

DESIGN

BUILDING CODE: INTERNATIONAL BUILDING CODE 2012 (IBC) W/ GEORGIA STATE AMENDMENTS AND

15 MPH (3-SECOND GUST) 80 MPH (ASD - NOMINAL WIND SPEED) W/ 1-0 EXPOSURE CATEGORY B COMPONENTS AND CLADDING COMPONENTS AND CLADDING ELEMENTS NOT SPECIFICALLY DESIGNED ON THESE DRAWINGS SHALL BE DESIGNED ACCORDING TO THE WIND PRESSURES STIPULATED BY IBC 2012 FOR THE TERTIARY AREA OF THE SPECIFIC COMPONENT

MIN ALLOWABLE DESIGN PRESSURE = 137 PSF (WALLS), 100 SO FT, NON-END ZONE) INTERNAL PRESSURE COEFFICIENT (GCp) = +0.18, -0.18

SEISMIC RISK CATEGORY I # 110 SF +1.0 SB +0.99 SD +0.093 SOB +0.202 SDT +0.148 SITE CLASS 1.0 SEISMIC DESIGN CATEGORY - C

SEISMIC RESISTING SYSTEM THIS OVERALL SYSTEM WILL REMAIN UNALTERED PURSUANT TO SECTION 2404.4 BC 2012

SNOW GROUND SNOW LOAD = 5 PSF W +1.0 FLAT ROOF SNOW LOAD = 3 PSF SNOW EXPOSURE FACTOR Cf = 1.0 SNOW THERMAL FACTOR Ct = 1.0

SHEET INDEX: S01 GENERAL NOTES S11 PLANS, SECTIONS AND DETAILS

MISCELLANEOUS:

- 1. THE FOLLOWING NOTES APPLY TO ALL PROJECT RELATED STRUCTURAL DRAWINGS. THIS INCLUDES THESE DRAWINGS, FIELD SKETCHES AND RESPONSES TO REQUESTS FOR INFORMATION (RFIs), UNLESS OTHERWISE INDICATED. 2. THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. 3. STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PERTINENT ASPECTS OF ALL DRAWINGS INTO THEIR SHOP DRAWINGS AND WORK, AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR OMISSIONS. 4. NO DIMENSIONS OR MODIFICATIONS SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT. 5. NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT. 6. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL DESIGN, ADEQUACY, SAFETY AND STABILITY OF TEMPORARY BRACINGS AND SHORNS THAT MAY BE REQUIRED AS A RESULT OF THE CONTRACTORS CONSTRUCTION METHODS AND/OR SEQUENCES. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURAL FRAMING. APPLIED CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF ANY STRUCTURAL BUILDING ELEMENT. 7. THE CONTRACTORS CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION LIFECYCLE. 8. DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS, SEE ARCHITECTURAL DRAWINGS. 9. THE CONTRACTOR SHALL INFORM THE PROFESSIONAL OF RECORD IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE PROFESSIONAL OF RECORD, REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION AT THE TIME OF SUBMISSION AND THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. 10. WHERE A SECTION OR DETAIL IS OUT ON THE PLAN, IT IS UNDERSTOOD TO BE REPRESENTATIVE OF ALL LIKE OR SIMILAR CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK. 11. AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE FOLLOWING THE ERECTION OF MEMBERS AND PROPERTY. THE ARCHITECTS OR ENGINEERS PRESENCE AT THE JOB SITE OR REVIEW OF WORK DOES NOT IMPLY CONFIRMATION OF THE ADEQUACY OF THE CONTRACTORS MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLIANCE WITH OSHA REGULATIONS. 12. CONSULT ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATION, SIZES, AND EXTENT OF CHASIS, INSERTS, RECESSES, RIDGES, FINISHES, DEPRESSIONS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS. 13. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF RECORD IN WRITING OF ALL CONDITIONS ENCOUNTERED IN THE FIELD THAT ARE CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL DRAWINGS. 14. STRUCTURAL CONTRACT DOCUMENTS SHALL NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR ANY MATERIAL PREPARED AND SUBMITTED BY THE FABRICATOR OR SUBCONTRACTOR. 15. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION OR ASSOCIATION OR TO CODES OF LOCAL, OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AND PUBLISHED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE. 16. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, SLOPE, AND LOCATION OF DEPRESSED FLOOR AREAS. THE CONTRACTOR SHALL COMPARE STRUCTURAL SECTIONS WITH THE ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS. 17. PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON THESE DRAWINGS. OPENINGS 1'-4" IN WIDTH OR LENGTH (AND LESS) ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. THE GENERAL CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL REQUIRED OPENINGS. ALL MECHANICAL OPENINGS, LOCATIONS, LIMITS, HEIGHTS, AND SIZES SHALL BE VERIFIED WITH THE MECHANICAL CONTRACTOR PRIOR TO FABRICATION. ANY DEVIATION FROM THE OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION FOR APPROVAL. 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES IN ORDER TO COMPLY WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.

SUBMITTALS:

- 1. STRUCTURAL DRAWINGS GIVE REPRESENTATIVE DETAILS AND ARE NOT INTENDED TO BE SHOWN. CONDITIONS THAT MAY BE PRESENT IN SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH THE SPECIFIC REQUIREMENTS AS INDICATED IN THE PROJECT DOCUMENTS. 2. CONTRACTOR SHALL SUBMIT A SCHEDULE OF SUBMITTALS. SUBMITTAL DATES ARE SCHEDULED AT LEAST 30 DAYS PRIOR TO FIRST SUBMITTAL DATE. SUBMITTAL DATES ARE SCHEDULED ON DATE MAY IMPACT REVIEW SCHEDULE. 3. ANY MATERIALS OR PRODUCTS SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIALS OR PRODUCTS SPECIFIED IN THE STRUCTURAL CONTRACT DOCUMENTS WILL BE CONSIDERED ONLY IF THE FOLLOWING CRITERIA ARE SATISFIED: A. A COST SAVINGS TO THE OWNER IS DOCUMENTED. B. THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CODE COUNCIL (ICC) AND THE ICC'S REPRESENTATIVE SUBMITTED WITH THE REQUEST. SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED. 4. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. 5. COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL FABRICATED AND SPECIALTY BUILDING COMPONENTS INCLUDING BUT NOT LIMITED TO WINDOW SYSTEMS, CANNOPY SYSTEMS, AND METAL STAIRS. SHOP DRAWINGS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA. 6. ALL APPROVED SUBMITTALS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, SHALL BE MADE AVAILABLE ON THE JOBSITE FOR REVIEW BY THE INSPECTOR. 7. REPRODUCTION OF CONTRACT DOCUMENTS FOR USE AS SHOP DRAWINGS IS NOT PERMITTED.

STRUCTURAL STEEL:

DESIGN CODE: AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - 14TH EDITION (AISC)

- 1. STEEL SHALL CONFORM TO THE FOLLOWING GRADES: STRUCTURAL W-SHAPES ALL CHANNELS, ANGLES, PLATES, ETC. (LWD) ANCHOR RODS HIGH STRENGTH BOLTS HEX NUTS - GRADE A WELDS ELECTRODES WASHERS - TYPE I ASTM A502 (F-50/54) ASTM A36 (F-36/36) ASTM F1934 (F-50/54) ASTM A328 ASTM A305 ASTM A305 E70X HARDENED STEEL ASTM A436 2. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE (C301) EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS. 3. THE STEEL STRUCTURE IS A NON-SELF-SUPPORTING STEEL FRAME AND IS DEPENDENT UPON DIAPHRAGM ACTION OF THE METAL ROOF DECK AND ATTACHMENT TO THE MASONRY WALLS AND METAL STUD BEAM WALLS FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES. PROVIDE ALL TEMPORARY SUPPORTS REQUIRED FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCE UNITS, THESE ELEMENTS ARE COMPLETE AND ARE CAPABLE OF PROVIDING THIS SUPPORT. 4. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS. CONNECTIONS SHOWN ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. CONNECTION DETAILS INDICATED ON THE DRAWINGS SHALL BE INCORPORATED INTO FABRICATORS CONNECTION DESIGN ONLY AS THEY ARE DEEMED APPROPRIATE AND ADEQUATE. BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH AISC 14TH EDITION SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS. 5. SPLAINS OF STEEL MEMBERS UNLESS SHOWN ON THE DRAWINGS IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT. 6. NO HOLES SHALL BE CUT IN ANY STEEL ELEMENT UNLESS THEY ARE DETAILED ON THE DRAWINGS. 7. UNLESS NOTED OTHERWISE, BEAMS SHALL BEAR 8" MINIMUM ON CONCRETE OR MASONRY ANCHOR BEAMS TO MASONRY WITH TWO 5/8" DIAMETER ANCHOR RODS WITH 1-0" EMBEDMENT INTO GROUT FILLED MASONRY. 8. WHERE BEAMS INTERSECT AT THE TERMINATING ELEVATION OF A COLUMN, THE BEAM WITH THE GREATEST REACTION SHALL BEAR ON TOP OF THE COLUMN UNLESS NOTED OTHERWISE ON DRAWINGS. WHERE BEAMS INTERSECT AT THE INTERMEDIATE ELEVATION OF A COLUMN, THE FRAMING BEAMS SHALL BE CONNECTED TO THE COLUMNS WITH A WT CONNECTION. PIN PLATE CONNECTIONS ARE NOT PERMITTED. 9. CONNECTIONS FOR NON-CO-PLANAR BEAMS WHICH CANNOT CONFORM TO AISC TYPICAL CONNECTION DETAILS SHALL BE DETAILED IN ACCORDANCE WITH THE FOLLOWING: A. WHERE BEAM REACTIONS ARE NOT SHOWN ON THE DRAWINGS, CONNECTIONS SHALL BE DESIGNED FOR ONE-HALF THE MAXIMUM UNIFORM LOAD WHICH THE BEAM WILL SUPPORT (AS SIMPLE SPAN) FOR THE SPAN SHOWN ON THE DRAWINGS (TABLE 3-6, AISC 14TH EDITION). B. WHERE CONNECTIONS ARE SUBJECT TO ECCENTRICITY, SUCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING THE CONNECTION. C. WHERE CONNECTIONS SUPPORT BEAMS WHICH ARE SUBJECT TO CONCENTRATED LOADS, SUCH CONCENTRATED LOADS SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING THE CONNECTION. D. BOLTED CONNECTIONS SHALL BE BEARING TYPE WITH A325 BOLTS MINIMUM DIAMETER OF ALL BOLTS SHALL BE 3/4" MAX. DIA 1/18" PROVIDE AT LEAST 2 BOLTS PER CONNECTION. TIGHTENED SNUG TIGHT. E. END CONNECTIONS OF FLOOR MEMBERS SHALL ACCOMMODATE END ROTATIONS OF SIMPLE, UNRESTRAINED BEAMS. FOR THIS PURPOSE, ELASTIC ACTION IN THE CONNECTIONS IS PERMITTED. F. COPED OR CUT ENDS OF MEMBERS SHALL BE REINFORCED WHERE REQUIRED TO SUSTAIN THE SPECIFIED REACTIONS. 10. TENSILE CONNECTIONS SHALL BE DESIGNED FOR A FORCE RESULTING FROM MULTIPLYING THE GROSS AREA BY 20 KSI.

- 11. FABRICATE AND ERECT MEMBERS WITH NATURAL CAMBER UP. 12. STRUCTURAL STEEL CONTRACTOR TO PROVIDE DECK SUPPORT ANGLES AS REQ'D (L3/4" MINIMUM LWD). THE CONTINUOUS ANGLE AT THE ROOF PERIMETER SHALL BE SLOPED SUCH THAT THE FULL TENSION FORCE THAT CAN BE DEVELOPED BY THE ANGLE WILL BE TRANSFERRED THROUGHOUT THE SPLICE. 13. UNLESS OTHERWISE SHOWN ON DRAWINGS, SIZE OF WELDS SHALL NOT BE SMALLER THAN 3/8". ALL WELDED JOINTS SHALL CONFORM TO THE PROVISIONS OF AWS D11.1 STRUCTURAL WELDING CODE BY AMERICAN WELDS SOCIETY. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING THE TIME OF INSPECTION. 14. THE CONTRACTOR SHALL PROVIDE AT NO ADDITIONAL COST, ALL ADDITIONAL STEEL CONNECTIONS, SPLAINS, ETC. REQUIRED FOR ERECTION. 15. OBTAIN ALL FIELD MEASUREMENTS REQUIRED FOR PROPER FABRICATION AND INSTALLATION OF WORK PRIOR TO DETAILING. PRECISE MEASUREMENTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. 16. PROVIDE STIFFENERS FINISHED TO BEAR UNDER ALL LOAD. CONCENTRATIONS ON SUPPORTING MEMBERS ON ALL MEMBERS FRAMING OVER COLUMNS, AT BEAM COLUMN JOINTS (AS REQUIRED BY THE AISC SPECIFICATIONS) AND WHERE SHOWN ON THE DRAWINGS. 17. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND ELEVATIONS OF LOOSE LINTELS. 18. THE FABRICATOR SHALL BE RESPONSIBLE FOR ALL ERRORS OF DETAILS ON THE SHOP DRAWINGS, ERRORS IN FABRICATION, AND FOR THE CORRECT FITTING OF STRUCTURAL STEEL MEMBERS. 19. WELDS INSPECTION SHALL MEET REQUIREMENTS AS STATED IN THE SCHEDULE OF SPECIAL INSPECTIONS. 20. ALL STRUCTURAL STEEL NOT RECEIVING FIRE PROOFING SHALL RECEIVE ONE SHOP COATING WITH FIRE PROOFING.

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VERIFICATION AND SPECIAL INSPECTION:

1. THE PROJECT OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS AND TESTS DURING CONSTRUCTION FOR THE TYPES OF WORK INDICATED BY IBC SECTIONS 1704, 1705, 1706, AND 1707. SUBMIT DOCUMENTATION THAT SUPPLEMENTS THE QUALIFICATIONS AND CREDENTIALS OF EACH SPECIAL INSPECTOR AND DEMONSTRATES COMPETENCE FOR THE BUILDING INSPECTOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

2. APPROVED SPECIAL INSPECTORS SHALL FURNISH INSPECTION AND TESTING REPORTS TO THE OWNER, ARCHITECT AND BUILDING OFFICIAL AND STRUCTURAL ENGINEER OF RECORD WHICH INDICATES THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS. REPORTS WHICH DOCUMENT THE RESULTS OF THE SPECIAL INSPECTIONS SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY APPROVED BY THE BUILDING OFFICIAL PRIOR TO CONSTRUCTION. A FINAL REPORT DOCUMENTING ALL THE WORK HAS BEEN PERFORMED IN COMPLIANCE WITH THE CONTRACT DOCUMENTS SHALL BE SUBMITTED AT THE END OF THE PROJECT.

- 3. SEE THE PROJECT SPECIFICATIONS AND SECTION 1104 OF THE BUILDING CODE FOR FULL CRITERIA AND EXCEPTIONS FOR INSPECTION REQUIREMENTS. DEFINITIONS: 1. SPECIAL INSPECTION, PERIODIC: A PART-TIME OR INTERMITTENT OBSERVATION WORK BEING PERFORMED REQUIRING A PRESENCE WHEN THE WORK IS BEING PERFORMED AND AFTER COMPLETION OF THE WORK. PRESENCE AT THE JOB SITE SHALL BE WEEKLY AT MINIMUM OR GREATER AS REQUESTED BY THE OWNER. 2. SPECIAL INSPECTION, CONTINUOUS: A FULL-TIME OBSERVATION OF WORK REQUIRING CONTINUOUS JOBSITE PRESENCE WHEN AND WHERE THE WORK IS BEING PERFORMED.

Table with 5 columns: INSPECTIONS TASKS PRIOR TO WELDING, QA, QC, REFERENCED STANDARD. Rows include: WELDING PROCEDURES SPECIFICATIONS (WPS) AVAILABLE, MANUFACTURERS CERTIFICATION FOR WELDING CONTRACTORS AVAILABLE, MATERIAL CERTIFICATION (TYPE/GRADE), WELDER CERTIFICATION SYSTEM, TYP OF BRIDGE WELDS (WELDING JOINT DETAIL), JOINT REBARRATION, WELDS IN ALIGNMENT WITH OTHER WELDS, CLEANNESS OF SURFACE, TACK WELDS (TACK WELD QUALITY AND LOCATION), BACK WELDS (TACK WELD QUALITY AND LOCATION), CONFIGURATION AND FINISH ACCESS HOLES, TYP OF MULTIPLE WELDS, WELDS IN ALIGNMENT WITH OTHER WELDS, CLEANNESS OF SURFACE, TACK WELDS (TACK WELD QUALITY AND LOCATION), CHECK WELDS EQUIPMENT, THE FABRICATOR'S CERTIFICATION LABEL SHALL BE IN THE SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER HAS BEEN TESTED AND SHALL BE THE LOWEST RATING.

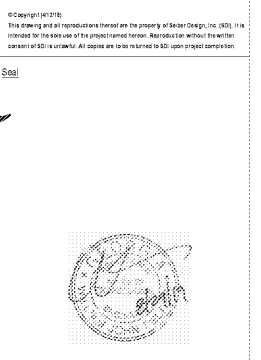
Table with 5 columns: INSPECTIONS TASKS PRIOR TO BOLTING, QA, QC, REFERENCED STANDARD. Rows include: MANUFACTURERS CERTIFICATION AVAILABLE FOR FASTENER MATERIALS, FASTENERS MARKED IN ACCORDANCE WITH AISC REQUIREMENTS, PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH, THREADS ARE TO BE ENCLOSED FROM SHEAR PLANE), PROPER BOLTS PROTECTED FOR JOINT DETAIL, CONNECT WELDS TO BE WELDED TO THE APPROPRIATE WELD SURFACE CONDITION AND HOLES PREPARED AS SPECIFIED, TEST APPLICABLE REQUIREMENTS, PRE-INSTALLATION VERIFICATION TESTS BY INSTALLATION PERSONNEL TO BE OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND DETAIL JOINTS, PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS.

Table with 5 columns: INSPECTIONS TASKS DURING BOLTING, QA, QC, REFERENCED STANDARD. Rows include: FASTENER ASSEMBLIES OF SUBTABLE CONDITION PLACED IN PLACE AND WASHERS IF REQUIRED ARE POSITIONED AS REQUIRED, JOINT BROUGHT TO THE SUBMITTAL CONDITION PRIOR TO THE BOLTING OR WELDING OPERATION, FASTENER COMPONENT NOT TURNED BY THE WORKER ENGAGED WITH BOLTING, FASTENERS ARE OBTAINED FROM APPROVED SOURCE WITH THE AISC SPECIFICATION, PROGRESSIVE NUT SYSTEMS SHALL NOT BE USED UNLESS SPECIFICALLY NOTED IN THE CONTRACT DOCUMENTS.

Table with 5 columns: INSPECTIONS TASKS AFTER BOLTING, QA, QC, REFERENCED STANDARD. Rows include: DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS, INSPECTIONS TASKS DURING WELDING, USE OF QUALIFIED WELDERS, CONTROL AND HANDLING OF WELDS CONSUMABLES, PACKAGING, STORAGE AND CONTROL, NO WELDS OVER CRACKED TACK WELDS, ENVIRONMENTAL CONDITIONS, WPS FOLLOWED, WELDS IN ALIGNMENT WITH OTHER WELDS, CLEANNESS OF SURFACE, TACK WELDS (TACK WELD QUALITY AND LOCATION), BACK WELDS (TACK WELD QUALITY AND LOCATION), CONFIGURATION AND FINISH ACCESS HOLES, TYP OF MULTIPLE WELDS, WELDS IN ALIGNMENT WITH OTHER WELDS, CLEANNESS OF SURFACE, TACK WELDS (TACK WELD QUALITY AND LOCATION), CHECK WELDS EQUIPMENT, THE FABRICATOR'S CERTIFICATION LABEL SHALL BE IN THE SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER HAS BEEN TESTED AND SHALL BE THE LOWEST RATING.

Table with 5 columns: INSPECTION TASK, CONTINUOUS DURING TASK, PERIODIC DURING TASK, REFERENCED STANDARD. Rows include: 1. MATERIAL VERIFICATION OF COLD FORMED STEEL DECK, A. IDENTIFICATION MARKINGS TO CONFORM TO AISC STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS, B. MANUFACTURERS CERTIFIED TEST REPORTS, 2. INSPECTION OF WELDS, A. COLD FORMED STEEL DECK, 1. FLOOR AND ROOF DECK WELDS, 2. REINFORCING STEEL, B. REINFORCING STEEL, 1. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 601, 2. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT, 3. SHEAR REINFORCEMENT, 4. OTHER REINFORCING STEEL.

seiberdesign architects + interior design 675 Drewry St. NE Studio 10 Atlanta GA 30306 404.875.6765 www.seiberdesign.com



William J. Peltier 270 Langley Drive Lawrenceville, GA 30046 Office: 770.961.9664 www.williamj.peltier.com

EDGAR'S ABOVE BROAD 669 BROAD ST. AUGUSTA, GEORGIA 30901

Project Number 1902 Revisions Revision History Number Date Description 08/30/2019 PERMIT DWGS Drawing Title STRUCTURAL NOTES Drawing Status ISSUED FOR CONSTRUCTION Drawing Number S0.1