GENERAL REQUIREMENTS

1. THE GOVERNING BUILDING CODE IS THE 2018 INTERNATIONAL BUILDING CODE WITH GEORGIA AMENDMENTS (2020). UNLESS MORE STRINGENT CRITERIA IS SPECIFIED IN THE PROJECT DOCUMENTS, ALL DESIGN, MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE MINIMUM REQUIREMENTS FOUND IN THE GOVERNING CODES AND REFERENCED STANDARDS.
2. UNLESS NOTED OTHERWISE, THE FOLLOWING NOTES ARE APPLICABLE TO ALL CONTRACT DOCUMENTS INCLUDING THE PROJECT SPECIFICATIONS. IN THE INSTANCE OF ANY DISCREPANCIES, NOTIFY THE ENGINEER FOR CLARIFICATION AND / OR DIRECTION.
3. CONTRACTOR SHALL BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS AND FIELD CONDITIONS, TAKE NECESSARY MEASUREMENTS OF EXISTING CONDITIONS AND VERIFY ALL RELEVANT DIMENSIONS, MEMBER SIZES, PLUMBNESS AND EXISTING CONDITIONS PRIOR TO MOBILIZATION, DETAILING, FABRICATION AND EXECUTION OF ANY WORK DEFINED IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES OR ANY CONDITIONS THAT WOULD PRECLUDE THE SUCCESSFUL COMPLETION OF THE WORK IN A TIMELY FASHION TO THE OWNER'S REPRESENTATIVE OR OWNER'S ENGINEER.
4. THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. ANY LOADS ASSOCIATED WITH CONSTRUCTION ACTIVITIES (MEANS-AND-METHODS) HAVE NOT BEEN ACCOUNTED FOR IN THE DESIGN OF THE SUBJECT STRUCTURE. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO SAFELY MAINTAIN THE STABILITY OF THE STRUCTURE UNTIL ERECTION IS FULLY COMPLETED.
5. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF OTHER DISCIPLINES OR TRADES, AS WELL AS INFORMATION AVAILABLE FROM MATERIAL AND EQUIPMENT SUPPLIERS. CONTRACTOR SHALL COORDINATE REQUIREMENTS OF ALL TRADES, MATERIAL AND EQUIPMENT SUPPLIERS PRIOR TO EXECUTION OF ANY WORK ASSOCIATED WITH THIS PROJECT. DO NOT PROCEED WITH DETAILING, FABRICATION OR CONSTRUCTION OF ANY WORK CONNECTED WITH OR DEPENDENT ON EQUIPMENT FURNISHED BY THE OWNER OR OTHERS UNLESS OTHERWISE DIRECTED BY THE OWNER. ALL DIMENSIONS AND DETAILS THAT ARE DEPENDENT ON EQUIPMENT AND / OR PROCESS LAYOUTS SHALL BE REVIEWED AND VERIFIED BY CONTRACTOR WITH CERTIFIED PROCESS / EQUIPMENT DRAWINGS.
6. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SUPPORT, SHORING, AND RELOCATION OF ANY EXISTING UTILITIES AND ALL OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO GIRT CLIPS, EAVE ANGLES, UTILITY SUPPORTS, HANGERS, ETC. INTERFERING WITH NEW MEMBER ERECTION, CONNECTIONS, MEMBER REINFORCING OR DEMOLITION. CONTRACTOR SHALL RECONNECT OBSTRUCTING ITEMS, INCLUDING ANY NECESSARY MODIFICATIONS TO THEIR ORIGINAL POSITION, AS DIRECTED BY THE OWNER'S REPRESENTATIVE OR OWNER'S ENGINEER. EACH CONTRACTOR IS RESPONSIBLE FOR MODIFICATIONS RELATED TO THEIR SCOPE OF WORK UNLESS NOTED OTHERWISE.
7. IT IS CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE FEDERAL, STATE, LOCAL, MANUFACTURER AND OWNER PRESCRIBED SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
8. CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD A COMPLETELY COORDINATED FIELD USE DRAWING SHOWING ALL SLEEVES, CONDUIT, BOX OUTS, DUCT OPENINGS, ETC., RELATED TO ALL TRADES FOR THE STRUCTURAL ENGINEER'S REVIEW. THIS SHALL BE DONE A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION OF AFFECTED SLABS, BEAMS, WALLS, COLUMNS OR FOOTINGS.
9. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES AND UTILITIES. ANY DAMAGE TO EXISTING STRUCTURES AND UTILITIES AS A RESULT OF THE CONTRACTOR'S WORK SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
10. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES IN THE AREA OF PROPOSED CONSTRUCTION BY HAND DIGGING OR OTHER SUITABLE MEANS. REPORT ANY CONDITIONS THAT WOULD PRECLUDE COMMENCEMENT AND COMPLETION OF THE WORK NOTED ON THE CONTRACT DOCUMENTS TO THE OWNERS REPRESENTATIVE AND THE EOR.
11. SCALES NOTED WITHIN THE DESIGN DOCUMENTS ARE FOR GENERAL INFORMATION ONLY. IN NO CASE SHALL DIMENSIONAL INFORMATION SHALL NOT BE OBTAINED BY DIRECT SCALING FROM THE DESIGN DOCUMENTS.
12. BUILDING INFORMATION ELECTRONIC FILES CONTAINING DESIGN INTENT MAY BE AVAILABLE. MODELS CAN BE FURNISHED AFTER RECEIPT OF ELECTRONIC RELEASE FORMS.
13. ALL ELEVATIONS SHOWN ON DESIGN DRAWINGS ARE REFERENCED TO FINISHED FIRST FLOOR ELEVATION 100'-00" CORRESPONDING TO USGS DATUM ELEVATION 778.83'.
14. ALL WORK SCHEDULES, CONSTRUCTION MATERIAL HANDLING INCLUDING LAY DOWN AREAS AND OTHER ACTIVITIES SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE. IN NO CASE SHALL THE CONTRACTOR'S ACTIVITIES INTERFERE WITH FACILITY OPERATIONS.
15. ALL DOCUMENT CLARIFICATION REQUESTS OR REQUESTS FOR INFORMATION BY THE CONTRACTOR TO THE OWNER'S REPRESENTATIVE OR OWNER'S ENGINEER SHALL INCLUDE PERTINENT INFORMATION INCLUDING REFERENCE DESIGN DRAWING INFORMATION, SPECIFIC DETAIL NUMBERS, ETC. TO ASSIST IN THE RESPONSE TO THE QUESTIONS. ALLOW FOR FIVE WORKING DAYS FOR RESPONSES.
16. NO DESIGN CHANGES OR MATERIAL SUBSTITUTIONS SHALL BE MADE TO THE STRUCTURE WITHOUT PRIOR WRITTEN PERMISSION BY THE ENGINEER. ASSOCIATED COSTS OR SAVINGS ARE SUBJECT TO NEGOTIATION UNDER THE ESTABLISHED TERMS OF THE CONTRACT.
17. ANY PROPOSED SUBSTITUTION FOR MATERIALS OR PRODUCTS SPECIFIED SHALL BE SUBMITTED TO THE EOR FOR REVIEW AND APPROVAL PRIOR TO PROCUREMENT. SUCH SUBMITTALS SHALL BE MADE IN WRITING WITH REFERENCE TO THE ORIGINALLY SPECIFIED ITEM, AND LOCATION OF USE. PROVIDE DOCUMENTATION SHOWING PROPOSED ITEM MEETS OR EXCEEDS ORIGINALLY SPECIFIED ITEM.
18. CONNECTIONS NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS AS A FORMAL SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. PER THE AISC CODE OF STANDARD PRACTICE, PROVIDE CORRELATION BETWEEN CALCULATIONS AND CONNECTIONS SHOWN ON THE STRUCTURAL STEEL SHOP DRAWINGS.
19. THE CONTRACTOR SHALL GENERATE PLANS AND ASSOCIATED DETAILS FOR THE COMPLETE FABRICATION AND ERECTION OF THE WORK DEFINED IN THE DESIGN DOCUMENTS. THE CONTRACTOR GENERATED PLANS AND DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. THE CONTRACTOR SHALL ALLOW 10 BUSINESS DAYS FOR SHOP DWG TURN AROUND UNLESS PREVIOUSLY NEGOTIATED. RE-USE OF THE ENGINEER'S DESIGN DRAWINGS INCLUDING BUT NOT LIMITED TO PLANS AND DETAILS FOR ERECTION / FABRICATION DRAWINGS IS STRICTLY PROHIBITED. RE-USE OF DESIGN DRAWINGS IS CAUSE FOR REJECTION OF THE COMPLETE SUBMITTAL.
20. LOCATIONS, DIMENSIONS, WEIGHTS, WEIGHT DISTRIBUTIONS, OPENING SIZES AND LOADS INDICATED ON THE STRUCTURAL DOCUMENTS ARE BASIS OF DESIGN OF ALL OTHER TRADES. IF ANY DEVIATION OCCURS, THE CONTRACTOR SHALL COORDINATE AND PROPOSE ALL REQUIRED ADJUSTMENTS AND REQUEST APPROVAL FROM THE EOR PRIOR TO COMMENCEMENT OF WORK FOR REVIEW AND FINAL COORDINATION. COMPENSATION FOR ALL DEVIATIONS SHALL BE NEGOTIATED WITH THE OWNER.
    - A. EQUIPMENT WEIGHTS NOTED ON THE DESIGN DOCUMENTS ARE BASED ON MAXIMUM OPERATING WEIGHTS INCLUDING ACCESSORIES.
    - B. IF EQUIPMENT WEIGHTS ARE NOT SHOWN ON THE STRUCTURAL DOCUMENTS, THE CONTRACTOR SHALL PROVIDE THE OPERATING WEIGHT AND CONFIGURATION FOR APPROVAL BY THE EOR PRIOR TO COMMENCEMENT OF WORK.
21. DELEGATED OR PERFORMANCE BASED DESIGNS SPECIFIED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUBMITTALS OF SUCH DESIGNS SHALL BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF THE PROJECT. REVIEW OF SUBMITTALS BY THE STRUCTURAL ENGINEER OF RECORD SHALL BE FOR CONFORMANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS. REVIEW BY THE STRUCTURAL ENGINEER OF RECORD SHALL NOT IMPLY ANY RESPONSIBILITY FOR DESIGN OF SUCH ELEMENTS. CONTRACTOR HAS RESPONSIBILITY FOR DIMENSIONAL ACCURACY, MEETING THE DESIGN INTENT, CONFORMANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS, AND STRUCTURAL ADEQUACY.
22. CONSTRUCTION AND RIGGING MEANS-AND-METHODS ACTIVITIES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE EQUIPMENT INSTALLATION CONTRACTOR SHALL DEVELOP A RIGGING PLAN INCLUDING BUT NOT LIMITED TO CRIBBING, GANTRY RAILS SUPPORT, ETC. THAT WILL DISTRIBUTE EQUIPMENT RIGGING LOADS AS REQUIRED AS TO NOT ADVERSELY AFFECT ANY IN-PLACE CONSTRUCTION. THE DETAILED PLAN SHALL DEMONSTRATE THE SAFE TRANSFER OF ALL RIGGING LOADS THROUGH THE EXISTING FACILITY AND TO THE FINAL LOCATION WITHOUT DAMAGE TO THE EXISTING FACILITY. ANY RESULTING DAMAGE SHALL BE REPAIRED TO THE OWNER'S REPRESENTATIVE'S SATISFACTION BY THE RIGGING CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
23. REMOVE ALL BUILDINGS RELATED WASTE INCLUDING, BUT NOT LIMITED TO DEMOLITION WASTE AND EXCAVATION MATERIAL FROM SITE AND LEGALLY DISPOSE OF, OFF THE OWNER'S PROPERTY OR AS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE.

SUBMITTALS:

1. SHOP DRAWINGS, DATA SUBMITTALS AND CERTIFICATIONS SHALL BE SUBMITTED FOR THE FOLLOWING STRUCTURAL ITEMS IN ADDITION TO ANY ITEMS REQUIRED BY THE DEFERRED SUBMITTALS. REFER TO SPECIFICATIONS FOR ADDITIONAL SUBMITTAL REQUIREMENTS.
    - A. COMPACTION TEST RESULTS.
    - B. CONCRETE MIX DESIGN.
    - C. CONCRETE PRODUCT DATA MATERIALS TEST REPORTS.
    - D. SLAB JOINTING PLAN
    - E. REINFORCING STEEL
    - F. CONCRETE POUR SEQUENCES/ CONTROL JOINT LOCATIONS.
    - G. GROUT AND MORTAR MIX DESIGN.
    - H. MASONRY PRODUCT DATA AND MATERIAL TEST REPORTS.
    - I. MASONRY REINFORCING
    - J. MASONRY JOINTING ELEVATION
    - K. POST INSTALLED ANCHORS (INCLUDING CURRENT ESR / UES DOCUMENTS).
    - L. STRUCTURAL STEEL
    - M. METAL DECK
2. CONTRACTOR SHALL GENERATE A SUBMITTAL SCHEDULE WITH PROJECTED DATES, CONTENT AND SHEET COUNT AT THE START OF THE CONSTRUCTION ADMINISTRATION PHASE. THE SCHEDULE SHALL BE UPDATED THROUGHOUT THE PROJECT. PROVIDE A COPY OF THE SCHEDULE TO THE EOR PRIOR TO THE FIRST SUBMITTAL, AND AN UPDATED COPY WITH EACH SHOP DRAWING SUBMITTAL. SUBMITTAL REVIEW TIME SPECIFIED BELOW MAY BE EXTENDED IF A SCHEDULE IS NOT GENERATED AND UPDATED BY THE CONTRACTOR.
3. CONTRACTOR SHALL DEVELOP THEIR OWN ERECTION SHEETS AND DETAILS. THE CONTRACTOR IS PROHIBITED FROM COPYING ANY PORTION OF THE CONTRACT DOCUMENTS INTO THEIR SUBMITTAL WITHOUT PRIOR WRITTEN PERMISSION FROM THE EOR.
4. BEFORE SUBMITTING FOR REVIEW, EACH SUBMITTAL SHALL BE CHECKED BY THE ORIGINATOR FOR ACCURACY AND COMPLIANCE WITH THE CONTRACT DOCUMENTS AND BEAR THE CHECKER'S INITIALS.
5. CONTRACTOR SHALL REVIEW AND STAMP ALL SUBMITTALS FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PRIOR TO SUBMITTING TO EOR. ANY SUBMITTAL NOT REVIEWED AND STAMPED BY THE CONTRACTOR WILL BE REJECTED WITHOUT REVIEW. CONTRACTOR SHALL CLOUD OR FLAG ALL ITEMS NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. ANY CHANGES, SUBSTITUTIONS OR DEVIATIONS FROM THE ORIGINAL CONTRACT DRAWINGS SHALL BE CLOUDED BY THE MANUFACTURER OR FABRICATOR. ANY CHANGES, SUBSTITUTIONS OR DEVIATIONS WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE PERMITTED, REGARDLESS OF EOR REVIEW MARKS. CONTRACTOR IS RESPONSIBLE TO REMEDY ALL SUCH ITEMS AT NO ADDITIONAL COST.
7. EOR SUBMITTAL REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPTS AND CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, NOR DEPARTURES THEREFROM. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FOR CERTIFICATION OF FIELD CONDITIONS, FOR SELECTING FABRICATION PROCESSES, FOR TECHNIQUES OF ASSEMBLY AND FOR PERFORMING THEIR WORK IN A SAFE MANNER.
8. IN COMPLIANCE WITH AISC'S CODE OF STANDARD PRACTICE FOR OPTION 3 FOR DELEGATED STEEL CONNECTION DESIGN, THE FABRICATOR SHALL SUBMIT IN A TIMELY MANNER REPRESENTATIVE SAMPLES OF THE REQUIRED SUBSTANTIATING CONNECTION INFORMATION TO THE ENGINEER OF RECORD PRIOR TO THE SUBMISSION OF THE SHOP DRAWINGS. AT THE TIME OF SHOP DRAWING SUBMITTAL, THE FABRICATOR'S ENGINEER CONFIRM IN WRITING, AS A PART OF THE SUBSTANTIATING CONNECTION INFORMATION, THAT THE SHOP DRAWINGS SUBMITTED FOR APPROVAL PROPERLY INCORPORATE THE CONNECTION DESIGNS.SUBMITTALS CONTAINING MORE THAN 100 SHEETS WILL BE RETURNED TO THE CONTRACTOR WITHOUT REVIEW.
9. THE CONTRACTOR SHALL ALLOW 10 BUSINESS DAYS FOR EOR SUBMITTAL REVIEW TURN AROUND.

DEFERRED SUBMITTALS:

1. DEFERRED SUBMITTALS ARE DEFINED AS THOSE PORTIONS OF THE DESIGN THAT ARE NOT SUBMITTED AT THE TIME OF PERMIT APPLICATIONS AND WHICH ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL WITHIN A SPECIFIED PERIOD. DEFERRED SUBMITTALS SHALL CONFORM TO THE BUILDING CODE.
2. SUBMITTED DOCUMENTS FOR ALL DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD A MINIMUM OF 30 DAYS PRIOR TO FABRICATION. A COPY OF THE DEFERRED SUBMITTAL DOCUMENTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED BY THE ENGINEER OF RECORD. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.
3. DELEGATED OR PERFORMANCE BASED DESIGNS ARE THE RESPONSIBILITY OF THE SPECIALTY ENGINEER AND SUBMITTING PARTY. SUBMITTALS TO THE EOR ARE REQUIRED AND SHALL INCLUDE CALCULATIONS, DRAWINGS AND A LETTER CERTIFYING THAT THE INFORMATION SHOWN IN THE SUBMITTAL IS IN CONFORMANCE WITH THE DESIGN. THE CALCULATIONS AND THE LETTER SHALL BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF THE PROJECT. REVIEW OF SUBMITTALS BY THE STRUCTURAL EOR SHALL BE FOR CONFORMANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS. REVIEW BY THE STRUCTURAL EOR SHALL NOT IMPLY ANY RESPONSIBILITY FOR DESIGN OF SUCH ELEMENTS. SPECIALTY ENGINEER AND SUBMITTING PARTY HAS RESPONSIBILITY FOR DIMENSIONAL ACCURACY, MEETING THE DESIGN INTENT, CONFORMANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS AND STRUCTURAL ADEQUACY.
4. UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS, DESIGN OF THE FOLLOWING COMPONENT(S) IS(ARE) DELEGATED TO THE SPECIALTY ENGINEER AND SUBMITTING PARTY:
    - A. STRUCTURAL CONNECTIONS
        - a. BEAM TO BEAM SIMPLE SHEAR CONNECTIONS
        - b. BEAM TO COLUMN SIMPLE SHEAR CONNECTIONS
        - c. BEAM SHEAR SPLICES
        - d. VERTICAL BRACING CONNECTIONS
        - e. HORIZONTAL BRACING CONNECTIONS
        - f. COLUMN SPLICES
        - g. GIRT TO COLUMN CONNECTIONS
        - h. HANGER CONNECTIONS
    - B. GUARDRAILS AND HANDRAILS

GENERAL ABBREVIATIONS:

&	AND
@	AT
ABV	ABOVE
ACI	AMERICAN CONCRETE INSTITUTE
ADDTL	ADDITIONAL
ADJ	ADJACENT
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGG	AGGREGATE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL	ALUMINUM
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APP	APPROXIMATE
AR	ANCHOR ROD
ARCH	ARCHITECTURAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASD	ALLOWABLE STRENGTH DESIGN
ASTM	AMERICAN SOCIETY FOR MATERIAL TESTING
B/	BOTTOM OF
BOB	BOTTOM OF BEAM
BOC	BOTTOM OF CONCRETE
BOF	BOTTOM OF FOUNDATION / FOOTING
BOP	BOTTOM OF PLATE
BOS	BOTTOM OF STEEL
BC	BOTTOM CHORD
BF	BRACED FRAME
BFF	BELOW FINISHED FLOOR
BTW	BETWEEN
BLDG	BUILDING
BLKG	BLOCKING
BLW	BELOW
BM	BEAM, BEAMS
BRG	BEARING
BRCG	BRACING
BS	BOTH SIDES
C	CHANNEL
CERT	CERTIFIED
CHKD PL	CHECKERED PLATE
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNVR	CONVEYOR
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS OR CONTINUATION
CONTR	CONTRACTOR
CO	COORDINATE
CSK	COUNTERSINK
CTJ	CONSTRUCTION JOINT
CTR	CENTER
CVN	CHARPY V-NOTCH
d	PENNY (NAIL SIZE)
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DEMO	DEMOLITION OR DEMOLISH
DET, DETS	DETAIL, DETAILS
DEG	DEGREE
DF	DOUGLAS FIR
DIA, Ø	DIAMETER

DIAG	DIAGONAL
DIAPH	DIAPHRAGM
DIM, DIMS	DIMENSION, DIMENSIONS
DIST	DISTANCE
DK, DKG	DECK, DECKING
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DWL, DWLS	DOWEL, DOWELS
DWG, DWGS	DRAWING, DRAWINGS
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
EL	ELEVATION
ELEV	ELEVATOR
EMBED	EMBEDMENT
EOR	ENGINEER OF RECORD
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EV	EVERY
EW	EACH WAY
EX	EXISTING
EXCAV	EXCAVATION
EXP	EXPANSION
EXT	EXTERIOR
F/	FACE OF
F/BP	FACE OF BENT PLATE
F/CONC	FACE OF CONCRETE
F/STL	FACE OF STEEL
F/STUD	FACE OF STUD
FB	FLAT BAR
FD	FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FHWA	FEDERAL HIGHWAY ADMINISTRATION
FIN	FINISH
FLR, FLRS	FLOOR, FLOORS
FDN	FOUNDATION
FP	FIRE PROOFING
FS	FAR SIDE
FT	FOOT, FEET
FTG, FTGS	FOOTING, FOOTINGS
FRC	FIBER REINFORCED CONCRETE
GA	GAUGE
GALV	GALVANIZING, GALVANIZED
GB	GRADE BEAM
GL	GIRT LINE
GR	GRADE
GW	GRADE WALL
HDR	HEADER
HGR	HANGER
HK, HKS	HOOK, HOOKS
HORIZ	HORIZONTAL
HPT	HIGH POINT
HSB	HIGH STRENGTH BOLTS
HSS	HOLLOW STRUCTURAL SECTIONS
HT	HEIGHT
HWS	HEADED WELD STUD
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
ID	INSIDE DIAMETER
INV EL	INVERT ELEVATION
INCL	INCLUDE, INCLUDING
INFO	INFORMATION
INT	INTERIOR
IS	INSIDE

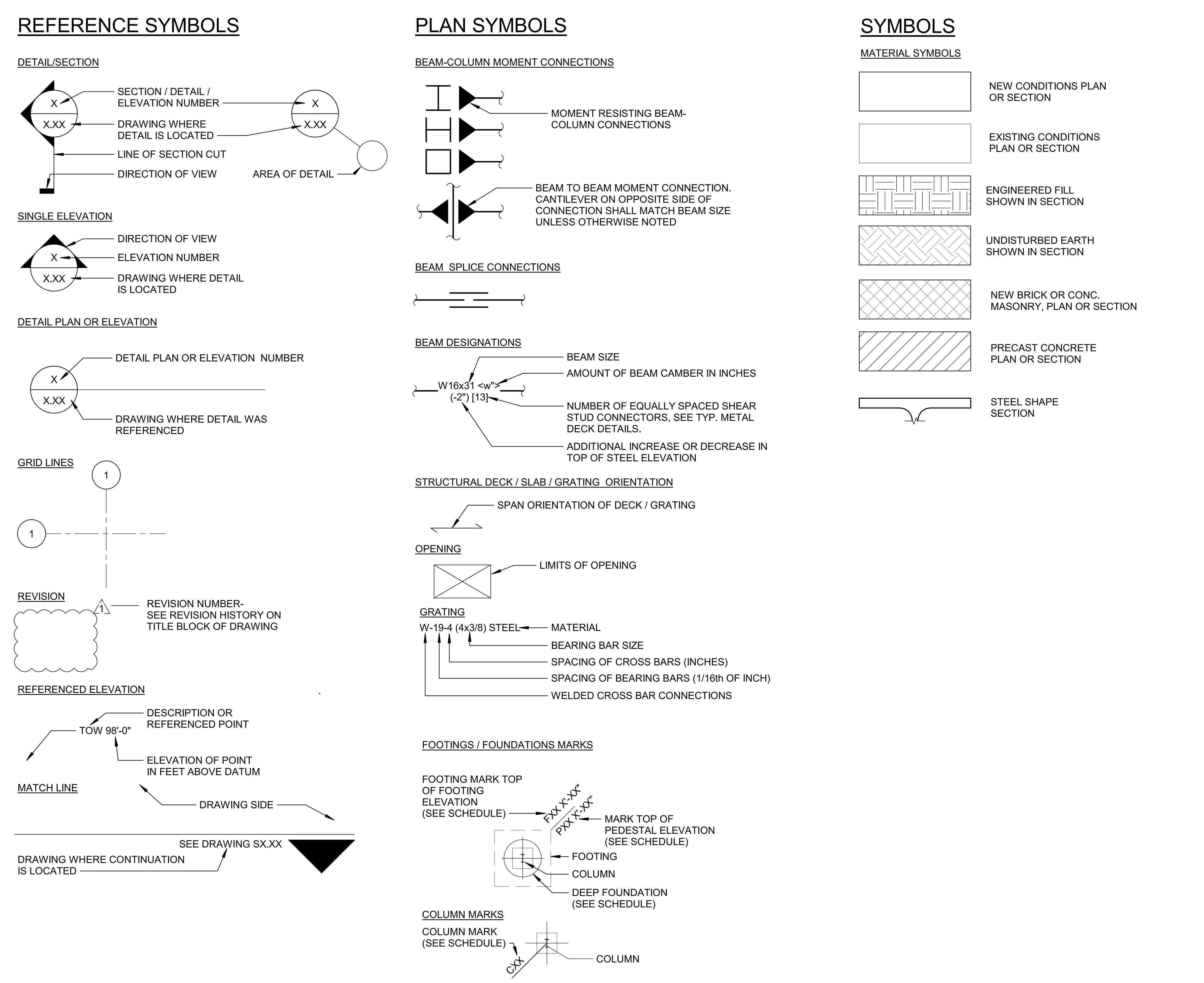
JST, JSTS	JOIST, JOISTS
JT	JOINT
KB	KNEE BRACE
L, 2L	ANGLE, DOUBLE ANGLE
LB	POUND/S
LD	DEVELOPMENT LENGTH
LL	LIVE LOAD
LLV	LONG LEG VERTICAL
LLH	LONG LEG HORIZONTAL
LLBB	LONG LEG BACK TO BACK
LOC	LOCATION
LONG.	LONGITUDINAL
LP	LOW POINT
LRFD	LOAD AND RESISTANCE FACTOR DESIGN
LT	LIGHT
LWC	LIGHT WEIGHT CONCRETE
MATL	MATERIAL
MAX	MAXIMUM
MC	MC-SHAPE STEEL
MD	MAN DOOR
MECH	MECHANICAL
MEP	MECH, ELEC, PLUMBING
MEZZ	MEZZANINE
MF	MOMENT FRAME
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MRI	MEAN RECURRENCE INTERVAL
MTL	METAL
MWII	MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS
N	NORTHING
NF	NEAR FACE
NIC	NOT IN CONTRACT
NO, #	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTE	NOT TO EXCEED
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
OC	ON CENTER
OCBF	ORDINARY CONCENTRIC BRACE FRAME
OD	OUTSIDE DIAMETER
OF	OVERFLOW ROOF DRAIN
OH	OPPOSITE HAND
OHD	OVERHEAD DOOR
OPNG	OPENING
OPP	OPPOSITE
OS	OUTSIDE
PDF	POWDER DRIVEN FASTENER
PEMB	PRE ENGINEERED METAL BUILDING
PERP	PERPENDICULAR
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLYWD	PLYWOOD
PLF	POUNDS PER LINEAR FOOT
PNL	PANEL
PC	PRECAST
PS	POUR STRIP
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PTN	PARTITION
PVC	POLY-VINYL CHLORIDE
QTY	QUANTITY
RD	ROOF DRAIN
RO	ROUGH OPENING
R	RADIUS

R/	REFERENCE
R/ARCH	REFER TO ARCH DWG
R/ELEC	REFER TO ELEC DWG
R/MECH	REFER TO MECH DWG
R/PLU	REFER TO PLUMBING DWG
REINF	REINFORCED, REINFORCING
REQ	REQUIRED
REV	REVISE, REVISION
RFG	ROOFING
S	S-SHAPE STEEL
SCBF	SPECIAL CONCENTRIC BRACE FRAME
SCH	SCHEDULE
SDI	STEEL DECK INSTITUTE
SECT	SECTION
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SL	SLOPE
SLBB	SHORT LEG BACK TO BACK
SOG	SLAB ON GRADE
SPC, SPCS	SPACES
SPEC, SPECS	SPECIFICATION, SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
ST	ST SHAPE SECTION
STD	STANDARD
STG	STAGGER, STAGGERED
STIF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
SW	STUD WALL
SYM	SYMMETRICAL
T&B	TOP & BOTTOM
T/	TOP OF
TBR	TO BE REMOVED
TOC	TOP OF CONCRETE
TOF	TOP OF FOUNDATION / FOOTING
TOSG	TOP OF SLAB ON GRADE
TOS	TOP OF STEEL
TOW	TOP OF WALL
TC	TOP CHORD
TD	TRUSS DIAGONAL
TEMP	TEMPORARY
THK	THICK
THRD	THREAD, THREADED
TRANS	TRANSVERSE
TV	TRUSS VERTICAL
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORY
UNO	UNLESS NOTED OTHERWISE
UOBM	UNDERSIDE OF BEAM
UOMD	UNDERSIDE OF METAL DECK
UT	ULTRA-SONIC TESTING
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WIDE FLANGE SHAPE SECTION
W/	WITH
W/I	WITHIN
WL	WIND LOAD
W/O	WITHOUT
WP	WORK POINT
WS	WATERSTOP
WT	WEIGHT
WT	WT SECTION

REFERENCE SYMBOLS

PLAN SYMBOLS

SYMBOLS



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CONSULTANTS:

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04/29/2022
www.ssoe.com

SEAL ON THIS DOCUMENT AUTHORIZED BY:

GEORGIA REGISTERED No. PE030606 PROFESSIONAL ENGINEER WILLIAM B. KUSSRO
04/29/2022

PROJECT INFORMATION:

BROWNFIELD MODIFICATIONS

CLIENT INFORMATION:

ASCEND ELEMENTS

ASCEND ELEMENTS, INC
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COVINGTON, GA
30014

CLIENT PROJECT NO: XXX-XXXXX-XX

NO.	DATE	SUBJECT
A	04/29/22	FOR CONSTRUCTION - PKG 11C02

REVISION OR ISSUE

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PROJECT NO:	021-01975-00
PROJECT MANAGER:	R. FOX
DESIGNED:	H.FIRSTER
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DRAWING TITLE:
STRUCTURAL GENERAL NOTES

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