GENERAL

A. THE FOLLOWING NOTES APPLY TO ALL STRUCTURAL DRAWINGS. NOTES SHALL APPLY UNLESS OTHERWISE INDICATED BY STRUCTURAL DRAWINGS OR SPECIFICATIONS.

B. WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR PLAN NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL SIMILAR OR LIKE CONDITIONS UNLESS NOTED OTHERWISE.

C. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONSTRUCTION DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, ENGINEER, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONSTRUCTION DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONSTRUCTION DOCUMENTS.

D. CONSTRUCTION DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE GENERAL CONTRACTOR.

E. CONSTRUCTION DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI OR OTHER STANDARDS. WHERE A CONFLICT OCCURS WITHIN THE CONSTRUCTION DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.

F. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND NOTIFY ARCHITECT/STRUCTURAL ENGINEER OF RECORD OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK. FOR DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.

G. DO NOT SCALE FOR DIMENSIONS NOT SHOWN ON DRAWINGS. SEND WRITTEN REQUEST FOR INFORMATION TO THE ARCHITECT FOR DIMENSIONS NOT PROVIDED.

H. THE STRUCTURE SHOWN ON THESE DRAWINGS IS SELF-SUPPORTING ONLY IN ITS COMPLETED FORM. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE DESIGN, ADEQUACY, SAFETY, AND STABILITY OF TEMPORARY ERECTION BRACING AND SHORING.

I. NO PROVISIONS HAVE BEEN MADE IN THE DESIGN FOR THE SUPPORT OF A CONCENTRATED LOAD FROM PLUMBING, MECHANICAL OR HVAC EXCEPT AS SHOWN ON THE DRAWINGS.

J. THE GENERAL CONTRACTOR SHALL COORDINATE ALL SIZES AND LOCATIONS OF FLOOR, ROOF, AND WALL PENETRATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. ALL PENETRATIONS NOT SHOWN ON STRUCTURAL DRAWINGS MUST BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD UNLESS NOTED OTHERWISE.

K. THE GENERAL CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS.

L. ELEVATIONS SHOWN ARE TO TOP OF FOUNDATIONS, SLABS OR STEEL BEAMS UNLESS NOTED OTHERWISE.

M. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ORDER TO COMPLY WITH THE CONSTRUCTION DOCUMENTS.

N. THE GENERAL CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE OSHA REGULATIONS.

O. ALL TESTING SHALL BE PAID FOR BY THE OWNER (CONTRACTOR SHALL COORDINATE WITH OWNER TO ENSURE THAT COST OF TESTING IS ACCURATE AND PRESENTED TO OWNER WITH CONSTRUCTION COSTS).

SHOP DRAWINGS AND DEFERRED SUBMITTALS

A. STRUCTURAL DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH SPECIFIED STANDARDS AND THE SPECIFIC REQUIREMENTS OF THIS PROJECT AS INDICATED IN THE CONSTRUCTION DOCUMENTS.

B. THE GENERAL CONTRACTOR SHALL SUBMIT, AS REQUIRED, PRINTS OR ELECTRONIC COPIES, AS DIRECTED, OF SHOP DRAWINGS FOR ALL FABRICATED MATERIALS TO ARCHITECT FOR REVIEW.

C. REVIEW OF SHOP DRAWINGS BY THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE GENERAL CONTRACTOR OF THE SOLE RESPONSIBILITY FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THOSE SHOP DRAWINGS.

D. REPRODUCTION/DUPLICATION OF THE STRUCTURAL DRAWINGS FOR USE IN THE PRODUCTION OF SHOP DRAWINGS IS PROHIBITED, UNLESS NOTED OTHERWISE. IN THE EVENT THAT THE GENERAL CONTRACTOR OR SUBCONTRACTOR ELECTS TO PRODUCE SHOP DRAWINGS BY COPYING ELECTRONIC OR PAPER COPIES OF THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL REQUEST FROM THE STRUCTURAL ENGINEER OF RECORD A SHOP DRAWING WAIVER ALONG WITH THE SPECIFIC SHEETS REQUIRED. SIGNATURE OF THE WAIVER BY THE GENERAL CONTRACTOR, ALONG WITH PAYMENT OF A FEE TO THE STRUCTURAL ENGINEER OF RECORD WILL BE REQUIRED. THE GENERAL CONTRACTOR SHALL CONTINUE TO ASSUME RESPONSIBILITY FOR ERRORS, OMISSIONS AND COORDINATION REQUIRED FOR SHOP DRAWING PRODUCTION, REGARDLESS OF THE USE OF COPIES OF THE STRUCTURAL DRAWINGS FOR SHOP DRAWING PRODUCTION.

E. THE STRUCTURAL ENGINEER OF RECORD HAS DELEGATED THE DESIGN OF SYSTEMS NOT SHOWN IN THE STRUCTURAL DRAWINGS. SUCH SYSTEMS SHALL BE CONSIDERED DEFERRED SUBMITTALS.

F. DEFERRED SUBMITTALS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER (STRUCTURAL ENGINEER WHERE REQUIRED BY JURISDICTION) LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. SUBMITTALS SHALL CLEARLY INDICATE ALL LOADS AND REACTIONS TO BE IMPOSED ON THE PRIMARY STRUCTURE. SUBMITTALS SHALL INCLUDE ALL COMPONENTS AND CONNECTIONS. WHERE CONTRACT DOCUMENTS INDICATE MEMBER OR CONNECTION QUALITIES AND/OR QUANTITIES, THESE SHALL BE CONSIDERED A MINIMUM AND REMAIN THE DESIGN RESPONSIBILITY OF THE COMPONENT ENGINEER TO INCREASE AS REQUIRED TO SATISFY LOAD AND DEFLECTION REQUIREMENTS. DEFERRED SUBMITTALS SHALL INCLUDE CALCULATIONS. BOTH THE CALCULATIONS AND THE SHOP DRAWINGS OF THE DEFERRED SUBMITTAL SHALL BE SEALED PRIOR TO SUBMISSION.

G. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION AFTER APPROVAL BY THE CONTRACTOR.
- STEEL CONNECTIONS
- OPEN WEB STEEL JOISTS
- COLD-FORMED STEEL FRAMING
- SEISMIC DESIGN AND ANCHORAGE OF NON-STRUCTURAL COMPONENTS
- ALUMINUM CANOPIES
- ANCHORAGE OF ROOFTOP EQUIPMENT FOR WIND AND SEISMIC FORCES
- PRE-ENGINEERED WOOD TRUSSES
- GLAZING SYSTEMS

I. ALL COMPONENTS ATTACHED TO THE BUILDING STRUCTURE (CLADDING, GLAZING, STAIRS, ETC.) SHALL BE DESIGNED AND DETAILED TO ACCOMMODATE THE BUILDING'S INELASTIC SEISMIC STORY DRIFTS. DESIGN DRIFT SHALL BE TAKEN AS FOLLOWS, UNO:
- 0.02 x H

WHERE H IS THE STORY HEIGHT IN INCHES, AND RISK CATEGORY IS AS INDICATED IN THE DESIGN SEISMIC LOAD GENERAL NOTES.

SUSPENDED LOADS AT STRUCTURE

A. ATTACHMENT TO ROOF DECK FOR ANY SUSPENDED LOADS IS PROHIBITED WITHOUT WRITTEN APPROVAL FROM ARCHITECT/STRUCTURAL ENGINEER OF RECORD.

B. PIPE HANGERS SHALL BE ATTACHED TO THE TOP FLANGES OF JOISTS OR BEAMS WITH APPROVED CLAMPS/CONNECTIONS.

C. ALL MULTIPLE TIER CABLE TRAYS, PIPE RACKS OR GROUPS OF PIPES OR DUCTS SHALL BE SUPPORTED FROM EACH ROOF FRAMING MEMBER WHERE THE GROUP CROSSES THE MEMBER OR AT 8'-0" OC MAX (TYPICAL) AND AT 6'-0" OC MAX FOR WOOD. WHERE GROUP IS ORIENTED PARALLEL TO THE MEMBER, UNLESS NOTED OTHERWISE ON DRAWINGS.

D. HANGERS SHALL BE ADDED AT ALL PIPE VALVE AND FITTING LOCATIONS.

E. CONTRACTORS AND SUBCONTRACTORS SUSPENDING LOADS FROM STRUCTURE SHALL ACCOUNT FOR AND PROVIDE ALL CONNECTIONS, STRUTS, TIES AND RIGGING REQUIRED FOR COMPLETE INSTALLATION AND SHALL FURNISH DRAWINGS SHOWING POINTS OF SUPPORT, SUPPORT LOADS AND ALL REQUIRED SUPPLEMENTAL BRACING. PROVIDE SUPPORTS AND HANGERS AS REQUIRED FOR PIPING AND EQUIPMENT SO THAT ALL COMBINED LOADING SHALL NOT EXCEED ALLOWABLE LOADINGS OF STRUCTURE AS SHOWN ON STRUCTURAL DRAWINGS. SUPPORT LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES AND SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATIONS OF THE ITEMS SUPPORTED.

F. EXPENSE RESULTING FROM IMPROPER COORDINATION OR LOCATION OF ANCHOR BOLTS, OPENINGS, SLEEVES, INSERTS, HANGERS OR OTHER SUPPORTS REQUIRED FOR PIPING AND EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

EXISTING CONDITIONS

A. THE GENERAL CONTRACTOR SHALL SURVEY THE EXISTING STRUCTURE TO DETERMINE THAT ALL MODIFICATIONS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE FEASIBLE AND PRACTICAL AND SHALL REPORT ANY DISCREPANCIES OR UNUSUAL CONDITIONS TO THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD.

B. WHEN EXISTING FRAMING IS SHOWN ON THE STRUCTURAL DRAWINGS IT IS FOR REFERENCE ONLY AS IT RELATES TO THE STRUCTURAL SCOPE OF WORK. THE STRUCTURAL DRAWINGS ARE NOT INTENDED TO BE A COMPREHENSIVE REPRESENTATION OF THE AS-BUILT EXISTING STRUCTURE.

C. REFERENCE DOCUMENTS FOR THIS PROJECT INCLUDE:
1. ORIGINAL STRUCTURAL DRAWINGS DATED XX/XX/XXXX, ISSUED FOR XXX, BY XXX.
2. ORIGINAL ARCHITECTURAL DRAWINGS DATED XX/XX/XXXX, ISSUED FOR XXX, BY XXX.
3. [EXPAND WITH ANY ADDITIONAL RELEVANT INFORMATION. EG PREVIOUS GEOTECHNICAL INVESTIGATION REPORTS, EVALUATION REPORTS, HISTORIC STRUCTURES REPORTS, ETC]

D. WHERE PORTIONS OF THE NEW CONSTRUCTION ARE INDICATED TO FIT TO EXISTING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL VERIFY DIMENSIONS OF EXISTING CONSTRUCTION BY FIELD MEASUREMENTS BEFORE SUBMISSION OF SHOP DRAWINGS AND FABRICATION.

E. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION THAT MIGHT BE AFFECTED BY OR OTHERWISE INTERFERE WITH INSTALLATION OF NEW WORK. THIS INCLUDES THOSE THAT MIGHT BE DAMAGED BY NEW FOUNDATION OR OTHER WORK, AND THOSE WHOSE PRESENCE MIGHT LEAD TO DAMAGE TO THE NEW WORK (SUCH AS DIFFERENTIAL SETTLEMENT, ETC.).

SPECIAL INSPECTIONS

A. SPECIAL INSPECTIONS ARE REQUIRED IN ADDITION TO THE INSPECTIONS SPECIFIED IN SECTION 110 OF THE BUILDING CODE.

B. ALL SPECIAL INSPECTIONS SHALL BE IN ACCORDANCE WITH DIVISION 01 SPECIFICATIONS.

SEISMIC DESIGN OF NON-STRUCTURAL COMPONENTS

A. ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS, INCLUDING THEIR SUPPORT AND ATTACHMENTS, SHALL BE DESIGNED TO RESIST SEISMIC FORCES IN ACCORDANCE WITH IBC CHAPTER 16, ASCE7 CHAPTER 13, AND ANY ADDITIONAL REQUIREMENTS OF THE STATE OR LOCAL JURISDICTION. THESE REQUIREMENTS SHALL BE SATISFIED BY:
1. PROJECT-SPECIFIC DESIGN AND DOCUMENTATION PREPARED AND SUBMITTED BY A REGISTERED DESIGN PROFESSIONAL IN THE STATE IN WHICH THE PROJECT IS LOCATED.
2. SUBMITTAL OF MANUFACTURER'S CERTIFICATION THAT THE COMPONENT IS SEISMICALLY QUALIFIED BY ANALYSIS, TESTING IN ACCORDANCE WITH SECTION 13.2.5, OR EXPERIENCE DATA IN ACCORDANCE WITH SECTION 13.2.6.

B. SEISMIC BRACING OF ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS NOT SPECIFICALLY SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL IN THE STATE IN WHICH THE PROJECT IS LOCATED.

C. ARCHITECTURAL COMPONENTS REQUIRING SEISMIC DESIGN AND DETAILING INCLUDE, BUT ARE NOT LIMITED TO, ACCESS FLOORS, CLADDING, GLAZING, PARTIAL HEIGHT INTERIOR WALLS, HANGING PARTITIONS, SUSPENDED CEILINGS, AND INTERIOR/EXTERIOR VENEER.

D. MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS REQUIRING SEISMIC DESIGN AND DETAILING INCLUDE, BUT ARE NOT LIMITED TO, DUCTS, LIGHT FIXTURES, PIPING SYSTEMS, ROOF TOP UNITS, AND OTHER EQUIPMENT SUPPORTED BY OR SUSPENDED FROM FLOORS OR ROOFS.

E. ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS CROSSING BUILDING EXPANSION JOINTS SHALL BE DETAILED IN ORDER TO ACCOMMODATE THE ANTICIPATED SEISMIC RELATIVE DISPLACEMENTS ACROSS THE JOINT.

WIND DESIGN OF NON-STRUCTURAL COMPONENTS

A. REFER TO THE WIND COMPONENTS AND CLADDING SCHEDULE ON SHEET S002 FOR WIND PRESSURES TO BE USED FOR THE DESIGN OF EXTERIOR COMPONENT AND CLADDING MATERIALS NOT SPECIFICALLY DESIGNED BY THE STRUCTURAL ENGINEER OF RECORD.

SOILS, SHALLOW FOUNDATIONS, & RETAINING WALLS

A. THE SITE SHALL BE PREPARED IN ACCORDANCE WITH SPECIFICATIONS AND THE CIVIL DRAWINGS. THE STRUCTURAL DESIGN IS BASED ON RECOMMENDATIONS CONTAINED IN THE REPORT OF SUBSURFACE INVESTIGATION BY MC SQUARED, LLC PROJECT NO. A082405.125 DATED JANUARY 9, 2025. THE GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THE REPORT AND REVIEW THE RECOMMENDATIONS AND REQUIREMENTS INCLUDED THEREIN FOR THE SELECTED FOUNDATION SYSTEM IN THE CONSTRUCTION DOCUMENTS. A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERIFY ALL ASSUMPTIONS AND REPORT TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD ANY VARIATIONS.

B. DESIGN SOIL BEARING PRESSURE IS 3000 PSF.

C. DESIGN SOIL LATERAL PRESSURES ON STRUCTURE ARE DUE TO THE FOLLOWING EQUIVALENT FLUID DENSITIES:
1. AT REST CONDITION: 55 PCF
2. ACTIVE CONDITION: 37 PCF
3. PASSIVE CONDITION: 151 PCF (FS = 2.0)
4. COEFFICIENT OF FRICTION FOR SLIDING: 0.37

D. ALL EXCAVATIONS AND GRADES PREPARED FOR BEARING SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER TO VERIFY THE DESIGN ASSUMPTIONS AND REPORT NONCONFORMING CONDITIONS.

E. WHERE FILL IS REQUIRED, IT SHALL BE SELECTED AND PLACED IN ACCORDANCE WITH INSTRUCTIONS OF A QUALIFIED GEOTECHNICAL ENGINEER TO MAINTAIN DESIGN BEARING PRESSURE.

F. FROST DEPTH FOR THIS PROJECT IS 12" BELOW GRADE. FINISHED GRADE SHALL BE MAINTAINED A MINIMUM OF 12" ABOVE TOP OF FOUNDATIONS.

G. TOP OF FOOTING ELEVATIONS PROVIDED ON CONSTRUCTION DRAWINGS ARE FOR PURPOSES OF DESIGN. NOTIFY THE STRUCTURAL ENGINEER OF RECORD IF TOP OF FOOTING ELEVATIONS NEED TO BE ADJUSTED BASED ON CONTRACTOR'S FIELD COORDINATION.
1. GENERAL CONTRACTOR SHALL COORDINATE REQUIRED ADJUSTMENT OF FOOTING ELEVATIONS TO AVOID INFLUENCE BETWEEN FOUNDATIONS AND BURIED UTILITIES. ALL REQUIRED ADJUSTMENTS SHALL BE FORWARDED TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW. SEE "TYPICAL TRENCH ADJACENT TO FOOTING" DETAIL.

H. DO NOT EMBED PIPING WITHIN OR PASS PIPING VERTICALLY OR HORIZONTALLY THROUGH FOUNDATIONS WITHOUT REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD. PIPING MAY PASS BELOW CONTINUOUS FOOTINGS WHERE INSTALLED IN ACCORDANCE WITH "TYPICAL PIPE UNDER FOOTING" DETAIL.

I. FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES UNLESS NOTED OTHERWISE.

J. THE DESIGN OF WALLS RETAINING EARTH ASSUMES DRAINAGE SYSTEM IS IN PLACE, AND DOES NOT INCLUDE HYDROSTATIC PRESSURE LOADS UNLESS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS. THE GENERAL CONTRACTOR SHALL PROVIDE DRAINAGE SYSTEM IN ALL BACKFILL CONDITIONS (SEE CIVIL/ARCHITECTURAL DRAWINGS FOR DRAINAGE SPECIFICATIONS).

K. THE DESIGN OF WALLS RETAINING EARTH DOES NOT INCLUDE SURCHARGE LOADS THAT MAY BE INDUCED FROM CONSTRUCTION ACTIVITIES. SEE GENERAL NOTES SECTION REGARDING GENERAL CONTRACTOR'S RESPONSIBILITIES FOR TEMPORARY ERECTION BRACING AND SHORING.

L. BACKFILL SHALL NOT BE PLACED AGAINST WALLS UNTIL THE WALLS HAVE ACHIEVED SPECIFIED DESIGN STRENGTH. BACKFILL AGAINST WALLS SHALL BE DEPOSITED EVENLY IN 12" TO 18" LIFTS AGAINST BOTH SIDES OF WALL UNTIL THE LOWER FINAL GRADE IS REACHED.
1. UNLESS SPECIFICALLY NOTED AS "CANTILEVERED" ON STRUCTURAL DRAWINGS, WALLS RETAINING EARTH SHALL NOT BE BACKFILLED AGAINST UNTIL STRUCTURAL SLABS PROVIDING LATERAL RESTRAINT FOR THE WALLS HAVE BEEN INSTALLED AND HAVE REACHED SPECIFIED DESIGN STRENGTH. WHERE THIS CANNOT BE ACCOMMODATED THE WALL SHALL BE SHORED CONTINUALLY.

STRUCTURAL SHEET LIST

SHEET NUMBER	SHEET NAME
S001	GENERAL NOTES & SCHEDULES
S002	DESIGN CRITERIA
S002A	LOAD MAPS
S003	CONCRETE GENERAL NOTES & SCHEDULES
S005	STEEL GENERAL NOTES & SCHEDULES
S006	WOOD GENERAL NOTES
S101	FOUNDATION PLAN
S102	LEVEL 2 FRAMING PLAN
S103	ROOF FRAMING PLAN
S201	WOOD WALL ELEVATIONS
S202	WOOD SHEAR WALL ELEVATIONS
S301	FOUNDATION DETAILS
S311	SLAB-ON-GROUND DETAILS
S312	SLAB-ON-GROUND DETAILS
S313	SLAB-ON-GROUND DETAILS
S501	STEEL FRAMING DETAILS
S511	COMPOSITE STEEL FRAMING DETAILS
S512	COMPOSITE STEEL FRAMING DETAILS
S513	COMPOSITE STEEL FRAMING DETAILS
S521	STEEL ROOF FRAMING DETAILS
S522	STEEL ROOF FRAMING DETAILS
S523	STEEL ROOF FRAMING DETAILS
S601	WOOD ROOF FRAMING DETAILS
S602	WOOD ROOF FRAMING DETAILS
S611	WOOD SHEAR WALL AND DIAPHRAGM DETAILS

ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE	KLF	KIPS PER LINEAL FOOT
ADDL	ADDITIONAL	KO	KNOCKOUT
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	KSI	KIPS PER SQUARE INCH
AFF	ABOVE FINISHED FLOOR	KSF	KIPS PER SQUARE FOOT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	L	LENGTH
AISI	AMERICAN IRON AND STEEL INSTITUTE	LFH	LONG FACE HORIZONTAL
ALTN	ALTERNATE	LFV	LONG FACE VERTICAL
AR	ANCHOR ROD	LG	LONG
ARCH	ARCHITECT	LL	LIVE LOAD
ASD	ALLOWABLE STRESS DESIGN	LLH	LONG LEG HORIZONTAL
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS	LLV	LONG LEG VERTICAL
AWS	AMERICAN WELDING SOCIETY	LO	LOW
B/	BOTTOM OF	LOCS	LOCATIONS
BD	BOARD	LRFD	LOAD RESISTANCE FACTORED DESIGN
BETW	BETWEEN	LSH	LONG SIDE HORIZONTAL
BLDG	BUILDING	LSV	LONG SIDE VERTICAL
BM	BEAM	LW	LONG WAY
BOT	BOTTOM	LWC	LIGHT WEIGHT CONCRETE
BP	BASE PLATE	MAX	MAXIMUM
BRDG	BRIDGING	MEP	MECHANICAL, ELECTRICAL & PLUMBING
BRG	BEARING	MEZZ	MEZZANINE
C/C	CENTER-CENTER	MFR	MANUFACTURER
CFSF	COLD FORMED STEEL FRAMING	MIN	MINIMUM
CIP	CAST-IN-PLACE	MISC	MISCELLANEOUS
CJ	CONTROL JOINT	MPII	MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS
CL	CENTERLINE	MTL	METAL
CLR	CLEAR	NIC	NOT IN CONTRACT
CMU	CONCRETE MASONRY UNIT	NS	NEAR SIDE
COL	COLUMN	NTS	NOT TO SCALE
CONC	CONCRETE	OC	ON CENTER
CONN	CONNECTION	OD	OUTSIDE DIAMETER
CONT	CONTINUOUS	OH	OPPOSITE HAND
CTR	CENTER	OPEN	OPENING
D	DEEP	PAF	POWDER ACTUATED FASTENERS
DBA	DEFORMED BAR ANCHOR	PCF	POUNDS PER CUBIC FOOT
DBL	DOUBLE	PEMB	PRE-ENGINEERED METAL BUILDING
DEP	DEPRESSED	PJF	PREFORMED JOINT FILLER
DIA	DIAMETER	PL	PLATE
DIAG	DIAGONAL	PLF	POUNDS PER LINEAL FOOT
DL	DEAD LOAD	PPHCC	PRESTRESSED PRECAST HOLLOW CORE CONCRETE
DWL	DOWEL	PREFAB	PRE-FABRICATED
DN	DOWN	PSI	POUNDS PER SQUARE INCH
EA	EACH	PSF	POUNDS PER SQUARE FOOT
EF	EACH FACE	PT	POST TENSIONED
EJ	EXPANSION JOINT	P.T.	PRESSURE TREATED
ELEV	ELEVATION	QTY	QUANTITY
ENG	ENGINEER OR ENGINEERING	RAD	RADIUS
EOS	EDGE OF SLAB	RD	ROOF DRAIN
EQ	EQUAL	REF	REFERENCE
EW	EACH WAY	REINF	REINFORCING
EXIST	EXISTING	REQD	REQUIRED
EXP	EXPANSION	REV	REVISION
EXT	EXTERIOR	RTU	ROOF TOP UNIT
F/	FACE OF	SCHED	SCHEDULE
FD	FLOOR DRAIN	SER	STRUCTURAL ENGINEER OF RECORD
FDN	FOUNDATION	SF	SQUARE FOOT
FF	FINISH FLOOR	SHTHG	SHEATHING
FLR	FLOOR	SIM	SIMILAR
FRT	FIRE RETARDANT TIMBER	SLH	SHORT LEG HORIZONTAL
FS	FAR SIDE	SLV	SHORT LEG VERTICAL
FTG	FOOTING	SOG	SLAB ON GROUND
FV	FIELD VERIFY	SPA	SPACES
GA	GAUGE, GAGE	SPEC	SPECIFICATION
GALV	GALVANIZED	SS	STAINLESS STEEL
GC	GENERAL CONTRACTOR	STD	STANDARD
GDR	GIRDER	STIFF	STIFFENER
GENL	GENERAL	STL	STEEL
GYP	GYPSUM	SW	SHORT WAY
HCA	HEADED CONCRETE ANCHORS	SYM	SYMMETRICAL
HDR	HEADER	T/	TOP OF
HG	HIP GIRDER	T&B	TOP & BOTTOM
HGR	HANGER	T&G	TONGUE & GROOVE
HI	HIGH	TEMP	TEMPORARY
HKD	HOOKED	TG	TRUSS GIRDER
HORIZ	HORIZONTAL	THK	THICKENED/THICK
HSS	HOLLOW STRUCTURAL SECTION	THRU	THROUGH
H.T.	HEAVY TIMBER	TYP	TYPICAL
ID	INSIDE DIAMETER	UNO	UNLESS NOTED OTHERWISE
IE	INVERT ELEVATION	VERT	VERTICAL
INSUL	INSULATION OR INSULATING	W	WIDE
INT	INTERIOR	W/	WITH
JBE	JOIST BEARING ELEVATION	W/O	WITHOUT
JT	JOINT	WD	WOOD
JST	JOIST	WP	WORK POINT
K	KIPS (KILOPOUNDS)	WWR	WELDED WIRE REINFORCEMENT

BROWN AND CALDWELL
900 HAMMOND DRIVE, SUITE 500
ATLANTA, GA 30328

wendel

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL AND SIGNATURE OF A DULY REGISTERED PROFESSIONAL

Project Status

NCWSA NEWTON COUNTY WATER & SEWERAGE AUTHORITY

Project Name

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED: Designer
DRAWN: Author
CHECKED: Checker
CHECKED:
APPROVED: Approver
FILENAME

BC PROJECT NUMBER
Project Number
CLIENT PROJECT NUMBER

GENERAL NOTES & SCHEDULES

DRAWING NUMBER
S001

Plot Date: 3/12/2026 12:24:06 AM
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