SECTION 1 –– GENERAL CONDITIONS AND STATEMENTS

A. THESE NOTES SHALL APPLY UNLESS OTHERWISE INDICATED BY DRAWINGS OR SPECIFICATIONS.

B. 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 ON THE DRAWINGS.

C. THE USE OR REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.

D. THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL TEMPORARILY BRACE ALL EARTH, FORMS, CONCRETE, STEEL, WOOD, MASONRY, TO RESIST GRAVITY, EARTH, WIND, SEISMIC AND CONSTRUCTION LOADS DURING CONSTRUCTION.

E. WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR AS NOTED IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS OTHERWISE NOTED. IF THERE ARE QUESTIONS REGARDING THE APPLICABILITY OF A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION, OR AN AS NOTED NOTE, CONTACT THE ARCHITECT IN WRITING REQUESTING A CLARIFICATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF SUPPLYING AND INSTALLING REQUIRED ITEMS OR PERFORMING OTHER REQUIRED WORK DUE TO NOT UNDERSTANDING THE REQUIRED SCOPE OF WORK OR DUE TO ANY OTHER MISINTERPRETATION OF THE PROJECT DRAWINGS.

F. THESE STRUCTURAL DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE, WITH CURRENT GEORGIA AMENDMENTS.

G. DESIGN LOADS:

DESIGN LIVE LOADS:
- ROOF: 20 PSF (REDUCIBLE BASED ON TRIBUTARY AREA PER IBC)
- FLOOR: 40 PSF+10 PSF PARTITION

DESIGN COLLATERAL DEAD LOAD:
- ROOF: 7.0 PSF (METAL BUILDING) PLUS STRUCTURE WEIGHT
- ENTRY ROOF: 20 PSF (TOTAL)
- FLOOR: 25 PSF

SNOW LOADS:
- GROUND SNOW LOAD: Pg =5 PSF
- IMPORTANCE FACTOR: I =1.20
- THERMAL FACTOR: Ct =1.0
- EXPOSURE FACTOR: Ce =1.0

H. WIND LOADS:
- BASE WIND SPEED: Vult=120 MPH Vasd=93 MPH
- MEAN ROOF HEIGHT: 22'–0"

EXPOSURE CATEGORY: B
OCCUPANCY CATEGORY: IV
REFER TO PEMB DRAWINGS FOR ADDTIONAL INFORMATION

J. SEISMIC LOAD:

OCCUPANCY CATEGORY = IV
IMPORTANCE FACTOR I = 1.50
SEISMIC RESPONSE ACCELERATION, Sds = 0.160; Sd1 = 0.129
SITE CLASS = D
SEISMIC DESIGN CATEGORY = C
RESPONSE MODIFICATION COEFFICIENT, R = 3

STRUCTURAL STEEL SYSTEM NOT SPECIFICALLY DESIGNED FOR SEISMIC RESISTANCE
EQUIVALENT LATERAL FORCE PROCEDURE

BUILDING SEISMIC BASE SHEAR $V=(0.08W)=27.1^k$

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

L. THE CONTRACTOR SHALL COMPARE STRUCTURAL SECTIONS WITH ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATION OR INSTALLING STRUCTURAL MEMBERS.

M. EXISTING CONDITIONS:

1. 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 FOUNDATIONS OR OTHER WORK, AND THOSE WHOSE PRESENCE MIGHT LEAD DAMAGE TO THE NEW WORK (SUCH AS DIFFERENTIAL SETTLEMENT, ETC.).

SECTION 2 – SOILS AND SUBSURFACE CONDITION

A. DESIGN SOIL BEARING CAPACITY FOR SPREAD FOOTINGS = 1500 PSF.

B. A REGISTERED GEOTECHNICAL SOILS ENGINEER SHALL VERIFY ALLOWABLE DESIGN SOIL BEARING CAPACITY, SUBGRADE, FILL, AND BACKFILL DESIGN VALUES PRIOR TO CONSTRUCTION OF FOUNDATIONS, SLABS, ETC. IF, AFTER EXCAVATION, THE CONDITION OF THE SOIL INDICATES A SAFE BEARING CAPACITY LESS THAN DESIGN SOIL BEARING CAPACITY OR IF SOIL CONDITIONS VARY, THE STRUCTURAL ENGINEER OF RECORD SHALL BE NOTIFIED AND THE FOOTINGS REVISED IF NECESSARY. ALL FOOTINGS SHALL BEAR ON ORIGINAL UNDISTURBED SOIL OR CONTROLLED FILL. FILL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR VALUE (98 PERCENT IN TOP 12 INCHES). COLUMN FOOTINGS AND WALL FOOTINGS SHALL BE POURED MONOLITHIC WITH TOPS OF ADJACENT FOOTINGS AT THE SAME ELEVATION. REFER TO GEOTECHNICAL REPORT BY GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS, INC. DATED MARCH 23, 2018 FOR ADDITIONAL INFORMATION.

C. BACKFILLING OF WALLS AND PIERS SHALL BE PLACED SUCH THAT SYMMETRICAL LOADING SHALL BE MAINTAINED ON BOTH SIDES. WHERE DESIGN CONDITIONS REQUIRE BACKFILLING EACH SIDE TO UNEQUAL HEIGHTS, THEN WALLS OR PIERS SHALL BE FIRMLY SHORED IN POSITION, AND SHORES SHALL REMAIN UNTIL FLOORS OR OTHER PERMANENT BRACING ELEMENTS ARE PLACED AND PROPERLY SET TO PROVIDE FULL SUPPORT.

D. PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING AREA, BOTH DURING CONSTRUCTION AND PERMANENTLY.

E. DO NOT ALLOW STORED EXCAVATION MATERIAL TO DISRUPT PROPER DRAINAGE OF AREA.

F. MAINTAIN STABILITY OF EXCAVATIONS UNTIL PROPERLY BACKFILLED. KEEP EXCAVATIONS FREE OF ANY LOOSE MATERIAL. DEWATER EXCAVATIONS AND REMOVE ANY WET MATERIAL PRIOR TO THE PLACING OF CONCRETE WORK.

SECTION 2 – (CONTINUED)

G. HEAVY EQUIPMENT FOR SPREADING AND COMPACTING BACKFILL SHALL NOT BE OPERATED CLOSER TO WALL, GRADE BEAM, ETC., THAN A DISTANCE EQUAL TO THE HEIGHT OF BACKFILL ABOVE TOP OF WALL FOOTING & BOTTOM OF GRADE BEAM, ETC. THE AREA REMAINING HALL BE COMPACTED BY HAND TAMPERS.

H. USE EXCAVATED MATERIAL AS BACKFILL IF ACCEPTABLE TO TESTING AGENCY. IF EXCAVATED BACKFILL MATERIAL IS NOT AVAILABLE, USE SELECT FILL MATERIAL ACCEPTABLE TO TESTING AGENCY.

I. GRADE SHALL BE SUCH THAT THICKNESS OF FOUNDATION, SLAB ON GRADE, ETC., IS NOT REDUCED BY MORE THAN 5% OF THAT SHOWN ON DRAWINGS.

J. POUR A 3" TO 4" MUD MAT OF LEAN CONCRETE IN THE BOTTOM OF A FOOTING EXCAVATIONS THAT WILL BE EXPOSED TO RAIN OR REMAIN OPEN OVERNIGHT.

SECTION 3 – CONCRETE

A. MIX DESIGNS FOR EACH TYPE OF CONCRETE SPECIFIED SHALL BE SUBMITTED FOR APPROVAL. SUBMIT HISTORICAL DATA PER ACI REQUIREMENTS FOR EACH MIX DESIGN. ADMIXTURES, CURING COMPOUNDS AND HARDENERS WHICH ARE INTENDED FOR USE ARE TO BE SUBMITTED FOR APPROVAL. USE OF ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE PERMITTED. ALL CONCRETE PERMANENTLY EXPOSED TO FREEZING WEATHER SHALL BE AIR–ENTRAINED (5%± AIR CONTENT).

B. CONCRETE SHALL HAVE THE FOLLOWING 28–DAY COMPRESSIVE STRENGTH:

NORMAL WEIGHT CONCRETE (145–150 LB/CF, WITH 3"–5" SLUMP):

BUILDING FOOTINGS	3,000 PSI
BUILDING FLOOR SLABS ON GRADE	3,000 PSI

C. TESTING LABORATORY SHALL SAMPLE AND TEST CONCRETE AS FOLLOWS:

1. SAMPLING:
   a. GENERAL: IN ACCORDANCE WITH ASTM C172 AND ASTM C31.
   b. NO.: (4) CYLINDERS FOR EACH 75 CUBIC YARDS, 5000 SQUARE FEET OF SURFACE AREA, OR EACH PLACEMENT OF EACH MIX DESIGN OF CONCRETE PLACED IN ANY ONE DAY.
   c. DESIGNATION: LABEL EACH CYLINDER IN EACH SET OF (4) CYLINDERS WITH AN ALPHA–NUMERIC DESIGNATION, E.G., THE FIRST SET SHALL BE NUMBERED 1A, 1B, 1C, AND 1D.
2. TESTING:
   a. SLUMP: IN ACCORDANCE WITH ASTM C 143, TO BE TAKEN WHEN EACH SET OF CYLINDERS IS PREPARED.
   b. AIR CONTENT: TEST EACH TIME A SET OF CYLINDERS IS PREPARED, IN ACCORDANCE WITH ASTM C231 OR ASTM C173.
   c. COMPRESSIVE STRENGTH: IN ACCORDANCE WITH ASTM C31 AND ASTM C39, BREAK ONE CYLINDER AT (7) DAYS, (2) AT (28) DAYS, AND HOLD (1) IN RESERVE. EACH PAIR OF BREAKS FROM EACH SET OF CYLINDERS WILL BE CONSIDERED ONE TEST.
3. TEST REPORTS SHALL BE AVAILABLE AT JOBSITE. ONE COPY SHALL BE SENT DIRECTLY TO THE STRUCTURAL ENGINEER AT THE ADDRESS SHOWN ON THIS SHEET.

D. CONCRETE WORK SHALL CONFORM TO ACI 318 (STRUCTURAL CONCRETE) AND THE FOLLOWING:

1. DETAILS AND DETAILING OF CONCRETE REINFORCEMENT SHALL COMPLY WITH ACI 315 AND THE CRSI "MANUAL OF STANDARD PRACTICE". ALL CONCRETE WORK SHALL CONFORM TO ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", UNLESS MORE STRINGENT CRITERIA ARE APPLIED IN THESE DOCUMENTS. CONCRETE SHALL BE MIXED IN ACCORDANCE WITH ASTM C94. CEMENT SHALL COMPLY WITH ASTM C150. AGGREGATES SHALL COMPLY WITH ASTM C33, CONCRETE FOR INTERIOR SLABS SHALL HAVE COARSE AGGREGATES GRADED SUCH THAT NOT MORE THAN 18% NOR LESS THAN 8% OF THE TOTAL AGGREGATE IS RETAINED ON THE 3/4", 1/2", 3/8", AND #4 SIEVES. AGGREGATE USED IN FLOOR SLABS 8" OR GREATER IN THICKNESS SHALL BE #467 STONE, LIMESTONE, OR GRANITE. SHEET MATERIALS FOR CURING CONCRETE SHALL COMPLY WITH ASTM C171, AND LIQUID MEMBRANE–FORMING COMPOUNDS FOR CURING CONCRETE SHALL COMPLY WITH ASTM C309. CONCRETE CURING SHALL BE IN ACCORDANCE WITH ACI–302. MEMBRANE CURING SHALL BE COMPATIBLE WITH FINAL SEALER OR FLOOR FINISH. AIR ENTRAINING ADMIXTURES FOR CONCRETE SHALL COMPLY WITH ASTM C260. CHEMICAL ADMIXTURES SHALL COMPLY WITH ASTM C494. FLY ASH, MAY BE USED TO REPLACE UP TO 25% OF CEMENT. APPLY FINAL SEALER OR FLOOR FINISH AFTER THOROUGH CLEANING.
2. CONSTRUCTION TOLERANCES SHALL BE IN ACCORDANCE WITH ACI 301.

E. CONSTRUCTION AND/OR CONTROL JOINTS SHALL BE PROVIDED IN SLABS ON GRADE AS SHOWN ON THE PLANS. ASPECT RATIO (LONGSIDE TO SHORTSIDE OF CONCRETE AREA) SHALL NOT EXCEED 1.5. NO EMBEDDED ANGLES OR OTHER FIXED METAL ITEMS SHALL EXTEND THROUGH JOINTS, UNLESS OTHERWISE NOTED. EMBEDDED ANGLES AND OTHER FIXED METAL ITEMS SHALL BE CONTINUOUS BETWEEN CONCRETE JOINTS, UNLESS OTHERWISE NOTED. CONTROL JOINTS IN WALLS SHALL MATCH CONTROL JOINTS IN SLABS ON GRADE. SAWN JOINTS SHALL MADE USING THE SOFF–CUT METHOD.

F. HORIZONTAL CONSTRUCTION JOINTS SHALL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS.

G. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND VENDOR'S DRAWINGS FOR SLEEVES, EMBEDDED ITEMS, ACCESORIES, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PLACING ALL SLEEVES, EMBEDDED ITEMS, ACCESORIES, ETC.

H. UNLESS SHOWN ON STRUCTURAL DRAWINGS NO OPENINGS IN SLABS OR WALLS LARGER THAN 12"x12" SHALL NOT BE CONSTRUCTED UNLESS SPECIFICALLY NOTED ON STRUCTURAL DRAWINGS. DO NOT PLACE PIPES OR SLEEVES THROUGH FOOTINGS UNLESS SPECIFICALLY NOTED ON STRUCTURAL DRAWINGS. PIPES, DUCTS, AND SLEEVES SHALL NOT EXCEED 1/3 SLAB OR WALL THICKNESS UNLESS SPECIFICALLY NOTED ON STRUCTURAL DRAWINGS. APPROVALS MUST BE OBTAINED FROM THE STRUCTURAL ENGINEER PRIOR TO FABRICATION OF STEEL AND PLACEMENT OF CONCRETE.

I. REFER ARCHITECTURAL DRAWINGS CHAMFERS, REVEALS, FINISHES, AND LOCATIONS OF SLAB DEPRESSIONS.

J. REINFORCING BARS SHALL CONFORM WITH ASTM A615 – GRADE 60, UNLESS NOTED OTHERWISE. REINFORCEMENT TO BE WELDED SHALL CONFORM WITH ASTM A706.

K. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A–185 AND SHALL BE SUPPLIED IN SHEETS (NOT ROLLS). MINIMUM LAP LENGTH AT ENDS AND SIDES SHALL BE 8".

L. DEFORMED BAR ANCHORS (D.B.A'S.) SHALL CONFORM TO ASTM A496. D.B.A'S. SHALL BE AUTOMATICALLY END WELDED USING MANUFACTURER'S RECOMMENDED PROCEDURES, EQUIPMENT, FLUX, AND FERRULES, U.N.O. D.B.A'S. SHALL BE NELSON FLUXED D.B.A'S. OR APPROVED ALTERNATE.

SECTION 3 – (CONTINUED)

M. ALL REINFORCEMENT AND EMBEDS SHALL BE SECURELY PLACED PRIOR TO PLACEMENT OF CONCRETE. CHAIRS, BOLSTERS, AND OTHER PREFABRICATED ACCESSORIES SHALL COMPLY WITH CRSI "MANUAL OF STANDARD PRACTICE", CLASS 1 AT EXPOSED SURFACES, AND CLASS 2 AT UNEXPOSED. LEGS OF ALL ACCESSORIES USED IN EXPOSED CONCRETE SHALL BE SOLID PLASTIC OR PLASTIC COATED.

N. REINFORCING STEEL COVERAGE SHALL BE AS FOLLOWS:

CAST IN PLACE CONCRETE	– NON PRESTRESSED
PIERS	– 2" TO TIES
WALLS	– 2" NOT EXPOSED TO EARTH AND WEATHER*
FOOTINGS	– 3" SIDES AND BOTTOM, 2" TOP

* IF WALLS OR SLABS, ARE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND, PROVIDE 2" COVER TO REINFORCING BARS. IF CONCRETE IS CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH PROVIDE 3" COVER TO REINFORCING BARS.

O. CONTINUOUS BARS LOCATED IN TURNED DOWN SLABS, THICKENED SLABS, AND CONTINUOUS STRIP FOOTINGS SHALL HAVE 42 BAR DIAMETER LAP SPLICES. SPLICES IN REINFORCEMENT SHALL BE MADE ONLY AS PERMITTED ON DESIGN DRAWINGS, SPECIFICATIONS, OR AS AUTHORIZED BY THE ENGINEER. PROVIDE CORNER BARS AT ALL WALLS, FOOTINGS, AND GRADE BEAMS. BARS SHALL BE THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCING. INTERSECTING WALLS OR GRADE BEAMS SHALL BE DOWELED TOGETHER IN THE SAME MANNER. PROVIDE TWO NO. 4 TOP DIAGONAL BARS 4'–0" LONG AT ALL REENTRANT CORNERS IN ALL SLABS ON GRADE.

P. SUBMIT COMPLETE SHOP DRAWINGS OF ALL MATERIALS PROVIDED UNDER THIS SECTION. REINFORCING SHOP DRAWINGS SHALL INCLUDE SECTIONS AND ELEVATIONS (WRITTEN DESCRIPTION IS NOT ACCEPTABLE). STEEL PRODUCER'S CERTIFICATES OF MILL ANALYSIS, TENSILE, AND BEND TESTS FOR REINFORCING STEEL SHALL ACCOMPANY THE SHOP DRAWINGS.

Q. CONCRETE FINISHES:
1. FLOORS: HARD SMOOTH STEEL TROWEL.
2. SIDEWALKS: BROOM FINISH, PERPENDICULAR TO TRAFFIC

R. FLOOR FLATNESS AND LEVELNESS.
1. SPECIFIED OVERALL VALUE:
   a. FLATNESS: Ff = 20
   b. LEVELNESS: FL = 20
2. MINIMUM LOCAL VALUE:
   a. FLATNESS: Ff = 15
   b. LEVELNESS: FL = 15
3. NO POINT ON THE FLOOR SHALL BE MORE THAN 3/4" FROM SPECIFIED ELEVATION.
4. ANY SECTION OF FLOOR (BOUNDED BY CONTROL OR CONSTRUCTION JOINTS) NOT MEETING THESE REQUIREMENTS SHALL BE REPLACED.

S. TAKE PRECAUTIONS TO PREVENT HIGH TEMPERATURES IN FRESH CONCRETE DURING HOT WEATHER PER ACI–305. COLD WEATHER PLACEMENT SHALL BE PER ACI–306.

SECTION 4 – MASONRY

A. U.N.O. HOLLOW LOAD BEARING MASONRY UNITS SHALL CONFORM TO ASTM C90, LIGHTWEIGHT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI (f'm = 1500 PSI) ON THE NET AREA, SUBMIT RESULTS OF TESTS CONDUCTED IN ACCORDANCE WITH ASTM C140 FOR APPROVAL FOR THE CMU TO BE USED.

B. MORTAR SHALL CONFORM TO ASTM C270 CEMENT–LIME TYPE M OR S.

C. COURSE MASONRY GROUT SHALL CONFORM TO ASTM C476 WITH MAXIMUM AGGREGATE SIZE OF 3/8". MINIMUM COMPRESSIVE STRENGTH SHALL BE 2000 PSI AT 28 DAYS U.N.O. PROVIDE CLEAN OUT OPENINGS WHERE GROUT LIFT EXCEEDS 4'–0.

D. CONCRETE MASONRY QUALITY CONTROL:
1. WORK IN PROGRESS SHALL BE INSPECTED FORCONFORMANCE WITH SPECIFIED MATERIALS AND THAT WORKMANSHIP AND CONSTRUCTION IS IN COMPLIANCE WITH PLANS, SPECIFICATIONS AND INDUSTRY STANDARDS.
2. WORK SHALL BE SAMPLED AND TESTED.
   MORTAR: 2x4 CYLINDERS OR 2" CUBES PER ASTM C780.
   a. (1) TEST OF (3) CYLINDERS OR CUBES PRIOR TO CONSTRUCTION, (1) TEST OF (3) CYLINDERS OR CUBES ON EACH OF THE FIRST (3) DAYS OF CONSTRUCTION AND
   (1) TEST OF (3) CYLINDERS OR CUBES FOR EACH 5000 SQ. FT. OF WALL AREA OR PER WEEK WHICHEVER OCCURS FIRST.
   b. GROUT: TEST SAMPLE CUBE CAST BETWEEN BLOCK UNITS (SEE ASTM C1019) CAP PER ASTM C617 AND TEST PER ASTM C39. TAKE (2) SPECIMENS PER TEST EACH (30) CUBIC YARDS OF GROUT OR FRACTION THEREOF PLACED EACH DAY AND WHEN MIX PROPORTIONS ARE CHANGED.

E. REINFORCEMENT IN MASONRY WALLS SHALL HAVE THE FOLLOWING LAP SPLICES, U.N.O:

#4 BAR VERTICAL REINFORCING IN 8" CMU WALLS – 36"
#5 BAR VERTICAL REINFORCING IN 8" CMU WALLS – 45"
#6 BAR VERTICAL REINFORCING IN 8" CMU WALLS – 54"

CONTINUOUS REINFORCING IN BOND BEAMS – (78) BAR DIA.

F. PROVIDE 8 GA. GALVANIZED LADDER TYPE HORIZONTAL JOINT REINFORCEMENTAT 16" o.c. VERTICALLY FOR FULL WALL HEIGHT, TYPICAL, U.N.O. LAP 6" MINIMUM AND PROVIDE PREFAB CORNERS AND TEES. SEE ARCHITECTURAL FOR BRICK TIES FABRICATED INTEGRAL WITH JOINT REINFORCING, IF REQUIRED.

G. PROVIDE HORIZONTAL 8" DEEP, U.N.O., CMU BOND BEAM WITH (2) #5 CONT. GROUTED SOLID AT THE TOP OF ALL CMU WALLS. PROVIDE (2) #5 CORNER BARS WITH 3'–6" LEGS LAPPED WITH CONT. REINF. AT CORNERS AND TEES. SEE PLAN AND SECTIONS FOR ADDITIONAL REQUIREMENTS.

H. WALL CONSTRUCTION JOINTS SHALL BE SPACED 24'–0" o.c. MAX. WITH TYPICAL VERTICAL REINF. AT EACH SIDE OF JOINT. HORIZONTAL JOINT REINF. SHALL TERMINATE 2" FROM EACH SIDE OF JOINT. BOND BEAM REINFORCEMENT SHALL BE CONTINUOUS THROUGH WALL C.J. DO NOT PROVIDE JOINTS THROUGH SPAN OF LINTEL.

I. ALL MASONRY SHALL BE LAID IN RUNNING BOND.

J. AT ALL CMU WALLS IN ADDITION TO TYPICAL REINFORCING BARS NOTED ON PLANS, PROVIDE (1) REINFORCING BAR IN EACH OF FIRST TWO CELLS ((2) BARS TOTAL), GROUTED SOLID, AT ENDS OF WALLS, CORNERS, TEES, EACH SIDE OF WALL CONTROL JOINTS AND EXPANSION JOINTS, AND AT EACH SIDE OF OPENINGS U.N.O. REINFORCED CELL SHALL BE FULL HEIGHT OF WALL. SEE PLANS FOR SPECIFIC REINFORCING BAR SIZES AND TYPICAL BAR SPACING FOR AT INDIVIDUAL WALLS.

K. PROVIDE HB–200A/DA–213 ADJUSTABLE VENEER ANCHORS, AS MANUFACTURED BY HOHMANN AND BARNARD INC., OR APPROVED ALTERNATE, AT 16"o.c. VERTICALLY AND HORIZONTALLY.

(GENERAL NOTES CONTINUE ON SHEET S0–2

A B B R E V I A T I O N S

A.B.	ANCHOR BOLT
ADJ.	ADJACENT
AL.	ALUMINUM
ALT.	ALTERNATE
&	AND
APPROX.	APPROXIMATE
APPVD.	APPROVED
ASPH.	ASPHALT
@	AT
AVG.	AVERAGE
BLDG.	BUILDING
B. OR BOT	BOTTOM
B/	BOTTOM OF
B/S	BOTTOM OF STEEL
BRG.	BEARING
BLK.	BLOCK
BM.	BEAM
B.M.	BENCH MARK
BRIDG.	BRIDGING
BTW. OR BETW.	BETWEEN
C.G.	CENTER OF GRAVITY (PT TENDONS)
C.I.	CAST IRON
C.L.	CENTER LINE
CHG.	CHANGE
CIR.	CIRCLE, CIRCULAR
CL. OR CLR.	CLEAR OR CLEARANCE
CONN.	CONNECTION
C.M.U. OR CMU	CONCRETE MASONRY UNIT
CONST.	CONSTRUCTION
CONT.	CONTINUOUS, CONTINUED
C.J.	CONSTRUCTION JOINT OR CONTROL JOINT
CONC.	CONCRETE
COL.	COLUMN
CSK.	COUNTERSUNK
CTR.	CENTERS
D.B.C.	DIAMETER BOLT CIRCLE
DEG. OR °	DEGREE
DET.	DETAIL
DIAG.	DIAGONAL
dia. OR ø	DIAMETER
DN.	DOWN
DIM.	DIMENSION
DWG.	DRAWING
DBL. OR DBLE.	DOUBLE
D.B.A. OR DBA	DEFORMED BAR ANCHOR
DBE	DECK BEARING ELEVATIONS
E.E. OR EE	EACH END
EA.	EACH
E.F. OR EF	EACH FACE
E.J.	EXPANSION JOINT
E.S. OR ES	EACH SIDE
E.W. OR EW	EACH WAY
EL.	ELEVATION
ELEC.	ELECTRICAL
EMBED.	EMBEDMENT
= OR EQ.	EQUAL
EQUIP.	EQUIPMENT
EST.	ESTIMATE
EX. GR.	EXISTING GRADE
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTENDED
EXIST.	EXISTING
E.O.S.	EDGE OF SLAB
F.D.	FLOOR DRAIN
F.F.	FINISH FLOOR
F/	FACE OF
F TO F	FACE TO FACE
FIN.	FINISH
FLR.	FLOOR
FT. OR ()'	FEET OR FOOT
F.S.	FAR SIDE
FTG.	FOOTING
FDN.	FOUNDATION
FUT.	FUTURE
Fy OR fy	YIELD STRENGTH
f'c	28 DAY CONCRETE COMPRESSIVE STRENGTH
GA.	GAUGE OR GAGE
GALV.	GALVANIZED
GEN.	GENERAL
GR.	GRADE
H.P.	HIGH POINT
H.S.	HEADED STUD ANCHOR
HGT.	HEIGHT
HK.	HOOK
HORZ.	HORIZONTAL
IN. OR ()"	INCH OR INCHES
INCL.	INCLUSIVE OR INCLUDING
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
JST.	JOIST
JT.	JOINT
J.G.	JOIST GIRDER
K.	KIPS (1000 POUNDS)
K.S.I. OR KSI	KIPS PER SQUARE INCH
K.S.F. OR KSF	KIPS PER SQUARE FOOT

LB. OR #	POUND
LG.	LONG
LLH	LONG LEG HORIZONTAL
LLV.	LONG LEG VERTICAL
LIN.	LINEAR OR LINEAL
L.P.	LOW POINT
LGTH.	LENGTH
LIN. FT.	LINEAR FEET
MAX.	MAXIMUM
MB	METAL BUILDING
M.H.	MANHOLE
MACH. RM.	MACHINE ROOM
MSRY. OPNG.	MASONRY OPENING
MET.	METAL
MEZZ.	MEZZANINE
MK.	MARK
MFGR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
N.I.C.	NOT IN CONTRACT
N.S. OR NS	NEAR SIDE
N.T.S. OR NTS	NOT TO SCALE
NOM.	NOMINAL
NO.	NUMBER
#	NUMBER (REBAR SIZE)
O.H.	OPPOSITE HAND
o.c.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE
OPNG.	OPENING
OPP.	OPPOSITE
PAF	POWDER ACTUATED FASTENERS
P.L.F. OR PLF	POUNDS PER LINEAR FOOT
P.C.F. OR PCF	POUNDS PER CUBIC FOOT
P.C.I. OR PCI	POUNDS PER CUBIC INCH
P.J.F.	PREMOLDED JOINT FILLER
P.S.F. OR PSF	POUNDS PER SQUARE FOOT
P.S.I. OR PSI	POUNDS PER SQUARE INCH
P.T.	POST TENSIONED
PART.	PARTITION
PRES.	PRESSURE
PROJ.	PROJECTION
PT.	POINT
P.E.J. OR PEJ	PREMOLDED EXPANSION JOINT
PEMB	PREENGINEERED METAL BUILDING
R OR RAD.	RADIUS
R.D.	ROOF DRAIN
REV.	REVISION
RM.	ROOM
REF.	REFERENCE
REINF.	REINFORCING OR REINFORCEMENT
REQ'D.	REQUIRED
RECT.	RECTANGULAR
R.O.	ROOM OPENING
SHT.	SHEET
SIM.	SIMILAR
SECT.	SECTION
SCHED.	SCHEDULE
SLH	SHORT LEG HORIZONTAL
SLV	SHORT LEG VERTICAL
SLV.	SLEEVE
SPA.	SPACING OR SPACES
SPEC.	SPECIFICATION
SQ.	SQUARE
SQ.FT. OR SF	SQUARE FOOT
S.S.	STAINLESS STEEL
STD.	STANDARD
STIFF.	STIFFENER
STL.	STEEL
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
T/	TOP OF
T/BM	TOP OF BEAM
T/COL	TOP OF COLUMN
T/FTG	TOP OF FOOTING
T/SLAB	TOP OF SLAB
T/S	TOP OF STEEL
T.R.C.	TOP OF ROUGH CONCRETE
TAN.	TANGENT
THD.	THREAD
THK.	THICK
TRD.	TREAD
T/WALL	TOP OF WALL
T	TOP
TEMP.	TEMPORARY
THRU	THROUGH
TS	TUBE STEEL
T.O.S.	TOP OF SLAB
TYP.	TYPICAL
UNO OR U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
VOL.	VOLUME
WD.	WOOD
WPFG.	WATERPROOFING OR WATERPROOF
WT.	WEIGHT
W/O	WITHOUT
W/	WITH
WWF	WELDED WIRE FABRIC

L E G E N D

ITEM	SYMBOL
CONCRETE	
GROUT	
EARTH	
CONCRETE BLOCK (CMU)	
BRICK	
SECTION INDICATOR	1 / S3.1
DETAIL INDICATOR	2 / S3.4
COLUMN TYPE , PIER TYPE FOOTING TYPE TOP OF FOOTING ELEVATION	C1 P1 F1 –2'–0

ITEM	SYMBOL
TOP OF FOOTING ELEVATION	–1'–8
SPOT ELEVATION TOP OF CONCRETE	+0'–0"
STEP IN FTG. OR GRADE BM. TO CLG. PLUMB.	8"
℄ BEAM SPLICE	
AND	&
PLATE	℘
CENTERLINE	℄
NUMBER (PRECEEDING)	#, NO.
PLUS OR TENSION	+
MINUS OR COMPRESSION	–
POUNDS (FOLLOWING)	#
STEP IN STRUCTURE OR DEPRESSED SLAB	OR 1"
TOP OF STEEL ELEVATION	T/S EL. +20'–8" OR (+20'–0")

SBFA JOB # 18034.01
STARZER BRADY FAGAN ASSOCIATES, INC.
CONSULTING STRUCTURAL ENGINEERS
2337 PERIMETER PARK SUITE 215
ATLANTA, GEORGIA 30341
PHONE: (770) 455–3404, FAX: (770) 451–1415
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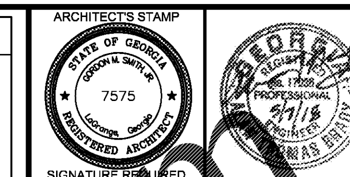

SIGNATURE REQUIRED

SMITH DESIGN GROUP, INC.
206 WEST HARALSON STREET
LAGRANGE, GEORGIA 30240
706-882-5511 www.SDGarch.net

REVISIONS

△	DATE	DESCRIPTION

PROJECT:
VERNON ROAD FIRE STATION
VERNON ROAD
LAGRANGE GEORGIA

TITLE:
GENERAL NOTES, LEGEND, AND ABBREVIATIONS

MODIFIED DATE:

JOB NO: 1731

ISSUED DATE: FOR BID AND PERMIT
7 MAY 2018

SHEET: S0-1

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