

GENERAL NOTES:

(THESE SPECIFICATIONS ARE IN ADDITION TO AND DO NOT EXCLUDE ANY FOUND IN THE GENERAL SPECIFICATIONS FOR THE PROJECT)

1. THE CONTRACT STRUCTURAL DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, PROVIDE ALL MEASURES REQUIRED TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION, INCLUDING BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS AND SCAFFOLDING, SHORING OF RETAINING WALLS AND OTHER TEMPORARY SUPPORTS REQUIRED. COMPLY WITH APPLICABLE REQUIREMENTS OF OSHA AND OTHER GOVERNING BODIES HAVING JURISDICTION AT THE SITE.

2. SHOP DRAWINGS FOR CONCRETE AND MASONRY REINFORCING, STRUCTURAL STEEL, JOIST, AND METAL FLOOR AND ROOF DECKING SUBMITTALS SHALL COMPLY WITH THE FOLLOWING:

A. CONTRACTOR SHALL FURNISH COMPLETE AND DETAILED SHOP DRAWINGS PREPARED UNDER SUPERVISION OF A REGISTERED STRUCTURAL ENGINEER. THESE DRAWINGS SHALL SHOW SIZES, LOCATION, TYPE AND EXTENT OF ALL MEMBERS, BOLTS AND WELDS.

B. INDICATE THE DATE OF THE STRUCTURAL DRAWINGS USED FOR SHOP DRAWING PREPARATION.

C. INDICATE WELDS BY STANDARD AWS SYMBOLS AND SHOW SIZE LENGTH AND TYPE OF EACH WELD.

D. PROVIDE SETTING DRAWINGS, TEMPLATES AND DIRECTIONS FOR INSTALLATION OF ANCHOR BOLTS AND OTHER ANCHORAGES TO BE INSTALLED BY OTHERS.

E. CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS PRIOR TO SUBMITTAL FOR ENGINEERING REVIEW.

F. CONTRACTOR SHALL HAVE AN APPROVED SET OF STRUCTURAL STEEL SHOP DRAWINGS AND PROOF OF WELDER CERTIFICATION AT THE JOBSITE AT ALL TIMES.

G. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

H. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR BUILDING LOCATION AND ORIENTATION. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE DRAWING.

I. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE AND SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS.

3. DESIGN LOADS:
THE BUILDING STRUCTURE DESCRIBED IN THESE PLANS SHALL BE CONSTRUCTED IN COMPLIANCE WITH 2018 IBC WITH ALL GEORGIA AMENDMENTS.

A. GRAVITY LOADS
DEAD LOADS:
ROOF: PER METAL BUILDING MANUFACTURER

LIVE LOADS:
ROOF: 20 PSF

B. SNOW LOADS:
GROUND SNOW LOAD (Pg): 5 PSF
ROOF DESIGN SNOW LOAD (PRAA): 5 PSF
SNOW EXPOSURE FACTOR (Ce): 1.0
SNOW IMPORTANCE FACTOR (Is): 1.0
THERMAL FACTOR (Ct): 1.2

C. WIND LOADS ULTIMATE LOADS:
ULTIMATE WIND SPEED: 113 MPH
NOMINAL WIND SPEED: 90 MPH
RISK CATEGORY: II
EXPOSURE CATEGORY: B
INTERNAL PRESSURE (GCpi): +/- 0.18

SEE ASCE-7 FOR COMPONENT & CLADDING LOADS BASED ON TRIBUTARY AREAS FOR INDIVIDUAL ELEMENTS

D. SEISMIC DESIGN CRITERIA:
SEISMIC IMPORTANCE FACTOR (Ie): 1.0
RISK CATEGORY: II
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
Ss: 0.25g S1: 0.05g
SITE CLASS: D
SDS: 0.24g SD1: 0.14g
SITE COEFFICIENT
Fa = 1.600 Fv = 2.400
SEISMIC DESIGN CATEGORY: C
BASIC SEISMIC FORCE RESISTING SYSTEM:
SEE METAL BUILDING MANUFACTURER DRAWING

FOUNDATION NOTES:

1. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3000 PSI U.N.O.. EXTERIOR CONCRETE SHALL BE AIR ENTRAINED TO 6% +/- 11/2%

2. SEE ARCHITECTURAL DRAWINGS FOR SIDE WALK EXTENTS, PLANTER, AND PAVER LOCATIONS, CONCRETE PADS AND STAIRS, SEE ARCHITECTURAL FOR DIMENSIONS AT INTERIOR MASONRY PARTITIONS, AND DETAILS.

3. COORDINATE FINISHED FLOOR ELEVATIONS (F.F.E.) WITH ARCH. AND CIVIL DRAWINGS.

4. FOUNDATION DESIGN IS BASED UPON THE REPORT OF SUBSURFACE EXPLORATION, DATED APRIL 23, 2020, BY UNITED CONSULTING, LLC - FCBC-20-GA-04124-01. CONTRACTOR SHALL FOLLOW ALL RECOMMENDATIONS MADE IN THE GEOTECHNICAL REPORT.

5. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER OR TESTING AGENCY PRIOR TO PLACING ANY FOUNDATION CONCRETE. CONTACT STRUCTURAL ENGINEER IF THE ALLOWABLE SOIL BEARING PRESSURE IS LESS THAN 2,000 PSF (SEE TABLE 1006.2 PRESUMPTIVE LOAD-BEARING VALUES OF IBC2018).

REINFORCED CONCRETE NOTES:

1. STRUCTURAL MEMBERS OF REINFORCED CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH AC308.

2. ALL CONCRETE SHALL HAVE A SLUMP OF 4" (+1") AND A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI U.N.O.. CONCRETE EXPOSED TO FREEZE-THAW SHALL BE AIR ENTRAINED TO 6% AIR CONTENT +/- 1 1/2%.

3. ALL STEEL REINFORCEMENT SHALL BE ASTM A615-GRADE 60. ALL WELDED STEEL REINFORCEMENT SHALL BE ASTM A706-GRADE 60. WELDED WIRE REINFORCEMENT SHALL BE ASTM A 103. PLAIN FABRICATED FROM AS DRAWN STEEL WIRE INTO FLAT SHEETS.

4. UNLESS NOTED OTHERWISE, CAST IN PLACE CONCRETE WALLS AND FLOORS SHALL HAVE THE FOLLOWING STEEL ADDED AROUND ALL OPENINGS: 2-#5 (LENGTH OF OPENING + 48") ALONG EACH SIDE OF OPENING AND TWO (2)-#5X9" DIAGONALLY AT EACH CORNER.

5. ALL CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE AT JOB SITE.

6. ALL LAP SPLICE LENGTHS SHALL BE AS SHOWN IN TABLE ON THIS SHEET.

7. MINIMUM CONCRETE COVER FOR REINFORCING STEEL (UNO):

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"

B. CONCRETE EXPOSED TO EARTH AND WEATHER:
#6 REBAR AND SMALLER: 2"

#8 REBAR AND LARGER: 2"

C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH:
SLABS, WALLS, AND JOISTS:
#14 OR #18 BARS: 1 1/2"

#11 BARS AND SMALLER: 2"

BEAMS AND COLUMNS: 2"

8. CONTRACTOR SHALL COORDINATE DIMENSIONS OF EMBEDDED STEEL ITEMS FOR EQUIPMENT AND OTHER ITEMS.

SPECIAL INSPECTION NOTES:

1. THE SPECIAL INSPECTOR SHALL BE ENGAGED BY THE OWNER. SPECIAL INSPECTOR SHALL BE FULLY QUALIFIED, APPROVED BY THE BUILDING OFFICIAL, REGISTERED BY APPLICABLE REGISTRATION BOARD IF REQUIRED BY THE LOCAL BUILDING OFFICIAL, AND SHALL BE ACCEPTABLE TO THE ARCHITECT.

2. THE SPECIAL INSPECTOR SHALL PROVIDE VERIFICATION OF CONSTRUCTION QUALITY CONTROL INSPECTIONS AND TESTING. THE SPECIAL INSPECTOR SHALL CERTIFY THAT ALL WORK REQUIRING INSPECTION IS PERFORMED IN COMPLIANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS, BUILDING CODE REQUIREMENTS AND LOCAL BUILDING DEPARTMENT REQUIREMENTS.

3. SPECIAL INSPECTIONS ARE REQUIRED FOR THE ITEMS NOTED IN THE STATEMENT OF SPECIAL INSPECTIONS AND THE 2018 IBC CHAPTER 17. THE CONTRACTOR SHALL OBTAIN A COPY OF THE STATEMENT OF SPECIAL INSPECTIONS AND NOTIFY THE SPECIAL INSPECTOR WHEN WORK IS READY TO BE INSPECTED.

4. FAILURE TO NOTIFY THE SPECIAL INSPECTOR PRIOR TO OBTAINING AN ITEM REQUIRING INSPECTION MAY RESULT IN THE CONTRACTOR REMOVING OTHER WORK TO ALLOW INSPECTION. THIS WORK WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. FAILURE TO HAVE REQUIRED ITEMS INSPECTED IS REASON FOR REJECTION OF THE WORK.

5. PREMATURE NOTIFICATION FOR INSPECTIONS WILL RESULT IN ADDITIONAL INSPECTION WITH ALL EXPENSES AND FEES PAID FOR BY THE CONTRACTOR.

6. SEE SHEET 50.2 FOR SPECIAL INSPECTION CHECKLIST.

STRUCTURAL ENGINEER OF RECORD SITE OBSERVATIONS:

THE SPECIAL INSPECTOR IS RESPONSIBLE FOR CONTINUOUS AND PERIODIC INSPECTION OF ALL WORKS REQUIRED IN THE STATEMENT OF SPECIAL INSPECTIONS. THE STRUCTURAL ENGINEER OF RECORD OBSERVATION IS NOT A PART OF THE SPECIAL INSPECTION AND DOES NOT SERVE AS THE SPECIAL INSPECTOR FOR THE ITEMS NOTED IN THE STATEMENT OF SPECIAL INSPECTIONS. THE SPECIAL INSPECTOR WILL OBSERVE THE INITIAL AREAS WHERE THE WORK NOTED IN THE FOLLOWING LIST IS PERFORMED. CORRECTIONS TO THE WORK PERFORMED IN THE INITIAL AREAS NOTED BY THE ENGINEER OF RECORD SHALL BE PERFORMED IN SUBSEQUENT AREAS WHERE SIMILAR WORK IS TO BE PERFORMED.

1. CONTRACTOR SHALL NOTIFY THE ARCHITECT FIVE WORKING DAYS PRIOR TO THE FOLLOWING CONSTRUCTION MILESTONES SO THE PROJECT ENGINEER CAN OBSERVE THE WORK:

A. SPREAD FOOTING FOUNDATIONS. EACH TYPE OF RETAINING WALL FOUNDATION. ALL FOUNDATION REINFORCING IS PLACED AND PRIOR TO PLACING CONCRETE FOR THE FOUNDATIONS.

B. EACH TYPE OF RETAINING WALL - AFTER WALL REINFORCING IS PLACED AND PRIOR TO PLACING CONCRETE FOR THE WALL.

C. FIRST SLAB ON GRADE PLACEMENT - AFTER ALL REINFORCING IS PLACED AND BEFORE PLACING SLAB ON GRADE.

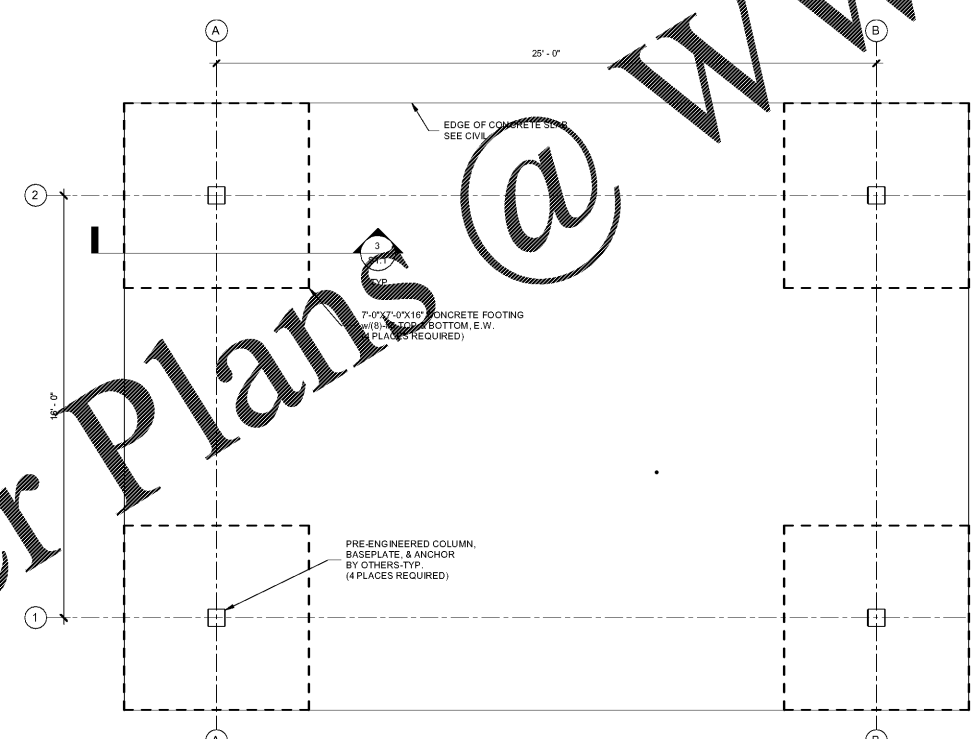
D. REINFORCED MASONRY WALLS - AFTER WALLS AND REINFORCING ARE INSTALLED AND PRIOR TO GROUTING.

E. STEEL STRUCTURE - AFTER FLOOR AND ROOF FRAMING AND ROOF DECK IS FULLY INSTALLED AND PRIOR TO INSTALLING INSULATION OR ROOFING.

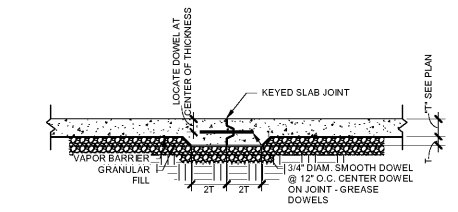
F. FLOOR SLAB ON METAL DECK ELEMENTS - AFTER STEEL REINFORCING IS PLACED AND BEFORE PLACING SLAB.

2. FAILURE TO NOTIFY THE STRUCTURAL ENGINEER OF RECORD OF ANY CONSTRUCTION MILESTONE OBSERVATION MAY RESULT IN THE CONTRACTOR REMOVING OTHER WORK TO ALLOW OBSERVATION. THIS WORK WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

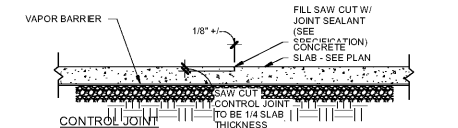
PREMATURE NOTIFICATION FOR VISITS WILL RESULT IN ADDITIONAL OBSERVATION WITH ALL EXPENSES AND FEES PAID FOR BY THE CONTRACTOR.



1 FOUNDATION PLAN
3/8" = 1'-0"



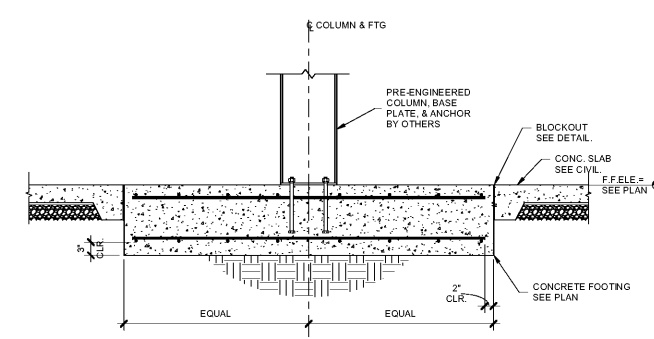
CONSTRUCTION JOINT



CONTROL JOINT

NOTES:
1. SAW CUT CONTROL JOINT AS SOON AS SLAB CAN SUPPORT WEIGHT (4 HOURS MAX).
2. ANY CONTROL JOINT MAY BE REPLACED WITH A CONSTRUCTION JOINT.

2 CONCRETE JOINT DETAIL 1
3/4" = 1'-0"



NOTE: FOOTING SIZES ARE APPROXIMATE AND MAY CHANGE BASED ON FINAL LOADS PROVIDED BY PRE-ENGINEERED CANOPY MANUF.

3 PRE-ENG. COLUMN FOOTING SECTION
3/4" = 1'-0"

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ROBERTSON LOIA ROOF ARCHITECTS & ENGINEERS
3460 Preston Ridge Road, Suite 275, Alpharetta, GA 30005
770.674.2600 / www.rlrc.com

08/31/20

Sawnee Mountain Park Renovations
FOR
Forsyth Co. Parks & Rec. Dept.

REVISIONS

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PROJECT NUMBER: 19323
SHEET NUMBER: S1.1