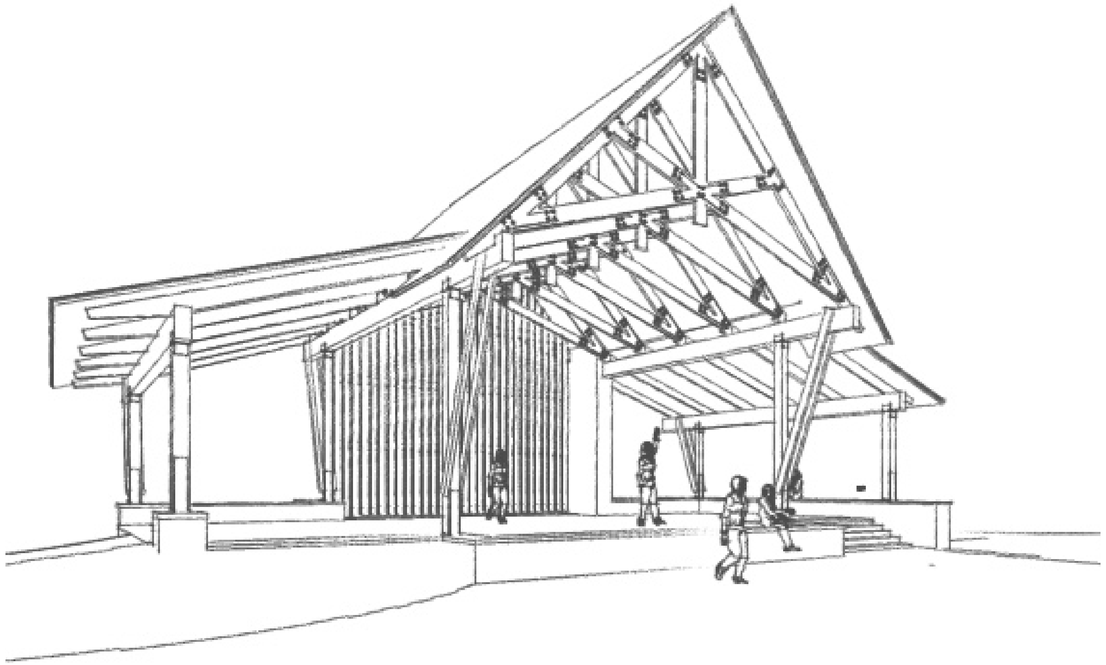


SHAMROCK PARK PAVILION

APRIL 08, 2025 - ISSUED FOR PERMIT

PROJECT DATA

PROJECT LOCATION
SHAMROCK PARK
960 Senoia Road
Tyrone, Georgia 30290

OWNER
TOWN OF TYRONE GEORGIA
950 Senoia Road
Tyrone, Georgia 30290

DESIGN I BUILD CONTRACTOR
SOUTHTREE COMMERICAL
Spencer Bryan, Project Manager
201 Prospect Park, Suite A
Peachtree City, Georgia 30269

ARCHITECT
CONTEXT_DESIGN, LLC
Don Whitten, Architect
2389 Johnson Ferry Road
Marietta, Georgia 30062

LANDSCAPE ARCHITECT
VIRIDIAN STUDIOS
Jill Kelleher, LA
PO Box 870136
Stone Mountain, Georgia 30087

CIVIL ENGINEER
HIGHLAND LAND PLANNING
Reid Almand, PE
201 Prospect Park, Suite A
Peachtree City, Georgia 30269

STRUCTURAL ENGINEER
WILKES ENGINEERING GROUP
Lance Wilkes, PE
195 Jarrard Street, Suite A2
Cleveland, Georgia 30528

ELECTRICAL ENGINEER
HAMMOND ENGINEERING, INC
Nathanial D Hammond, PE
6961 Peachtree Industrial Blvd. #208
Atlanta, Georgia 30092

BUILDING DATA

APPLICABLE CODES
2018 International Building Code*
2018 International Fire Code*
2018 International Mechanical Code*
2018 International Plumbing Code*
2023 National Electrical Code
2018 International Fuel Gas Code*
2015 International Energy Conservation Code with 2020 Georgia Supplements & Amendments
2010 Accessibility Guidelines (Appendix A to Part 36), Including CFT Title II & III and 2004 ADAAG
2018 Edition NFPA 101 Life Safety Code*
120-3-3 Effective 01.15.2014 Rules and Regulations of Safety Fire Commissioner

**with Applicable Georgia Amendments*

CONSTRUCTION TYPE - NEW
IBC - TYPE V-B - UNPROTECTED - UNSPRINKLERED

OCCUPANCY CLASSIFICATION
ASSEMBLY: OUTDOOR FACILITY

BUILDING HEIGHTS AND AREAS
GROUP A5 TYPE V-B, UNSPRINKLERED
Maximum Building Height: 40' / Table 504.3
Allowable Number Of Stories: Unlimited / Table 504.4
Maximum Area Per Floor: Unlimited / Table 506.2

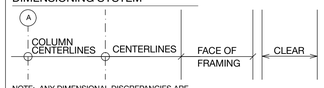
TOTAL BUILDING AREA : 1550 Square Feet
BUILDING HEIGHT: 33'-3"

FIRE RESISTANCE RATINGS

	Type of Construction	Rating
Structural Frame	V	0 hours
Bearing Walls - interior/exterior	V	0 hours
Floors	V	0 hours
Roof	V	0 hours
Exterior (non bearing) Walls	V	0 hours

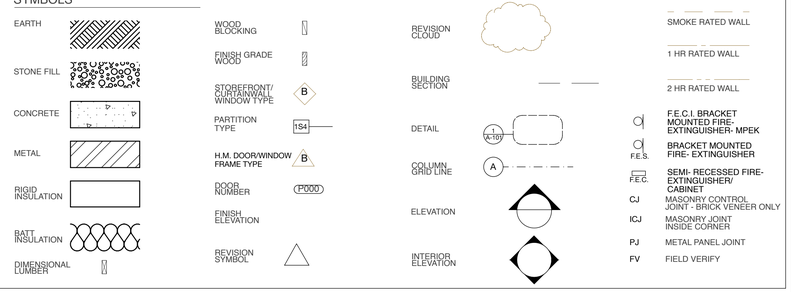
LEGEND

DIMENSIONING SYSTEM



NOTE: ANY DIMENSIONAL DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

SYMBOLS



INDEX OF DRAWINGS

CONTEXT_DESIGN, LLC | ARCHITECTURE | LAND DEVELOPMENT | PLANNING
2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

SHAMROCK PARK PAVILION
960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

TOWN OF TYRONE - GEORGIA - EST. 1911

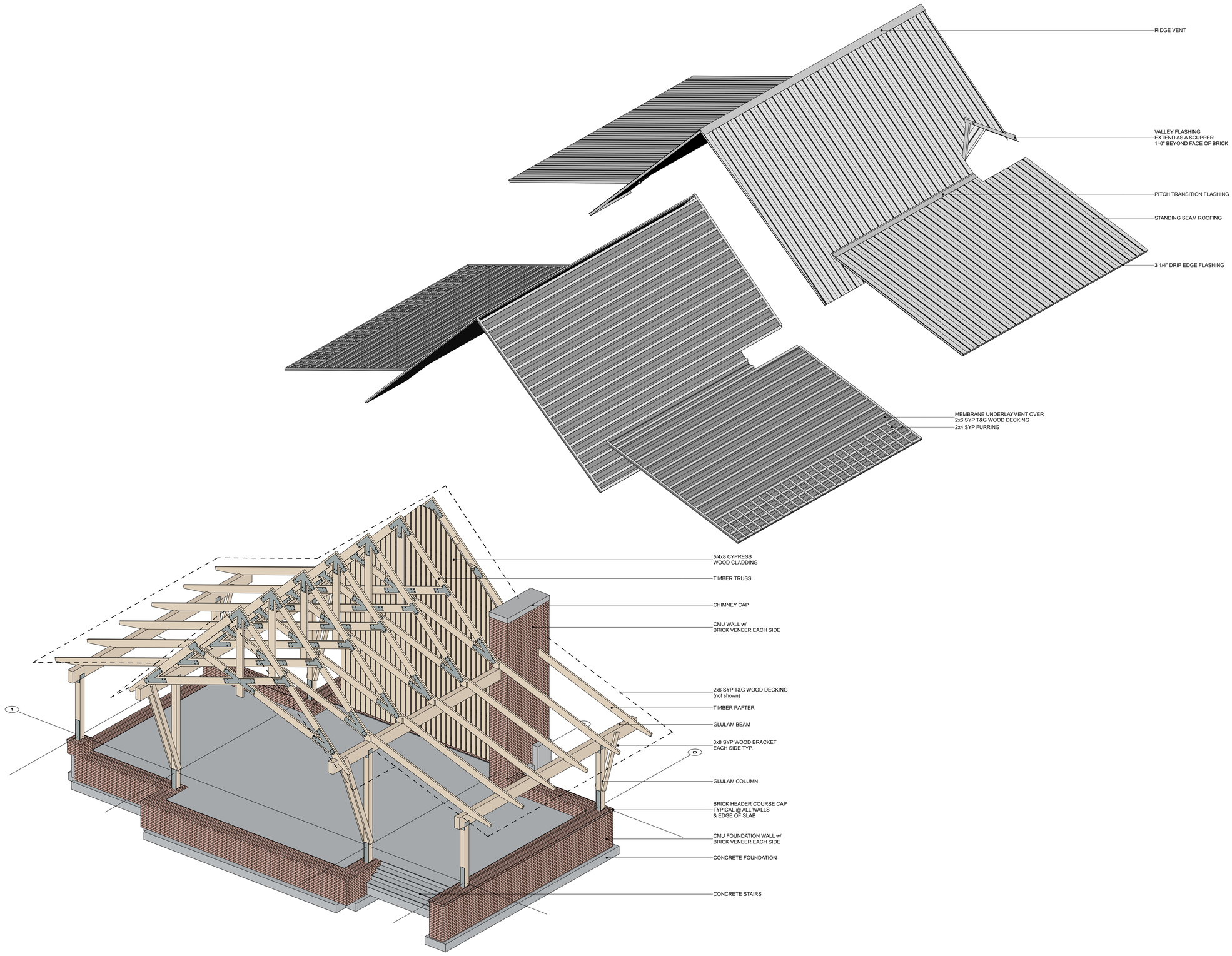
STATE OF GEORGIA
04.08.25
DON WHITTEN
REGISTERED ARCHITECT

ISSUED:	
04.08.2025	ISSUED FOR PERMIT
04.08.2025	ISSUED FOR CONSTRUCTION

COVER SHEET & PROJECT INFO

G100

Printed: 4/9/25



CONTEXT
ARCHITECTURE | LAND DEVELOPMENT | PLANNING

2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
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SHAMROCK PARK PAVILION

960 Senoia Road
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TOWN OF TYRONE - GEORGIA - EST. 1911

STATE OF GEORGIA
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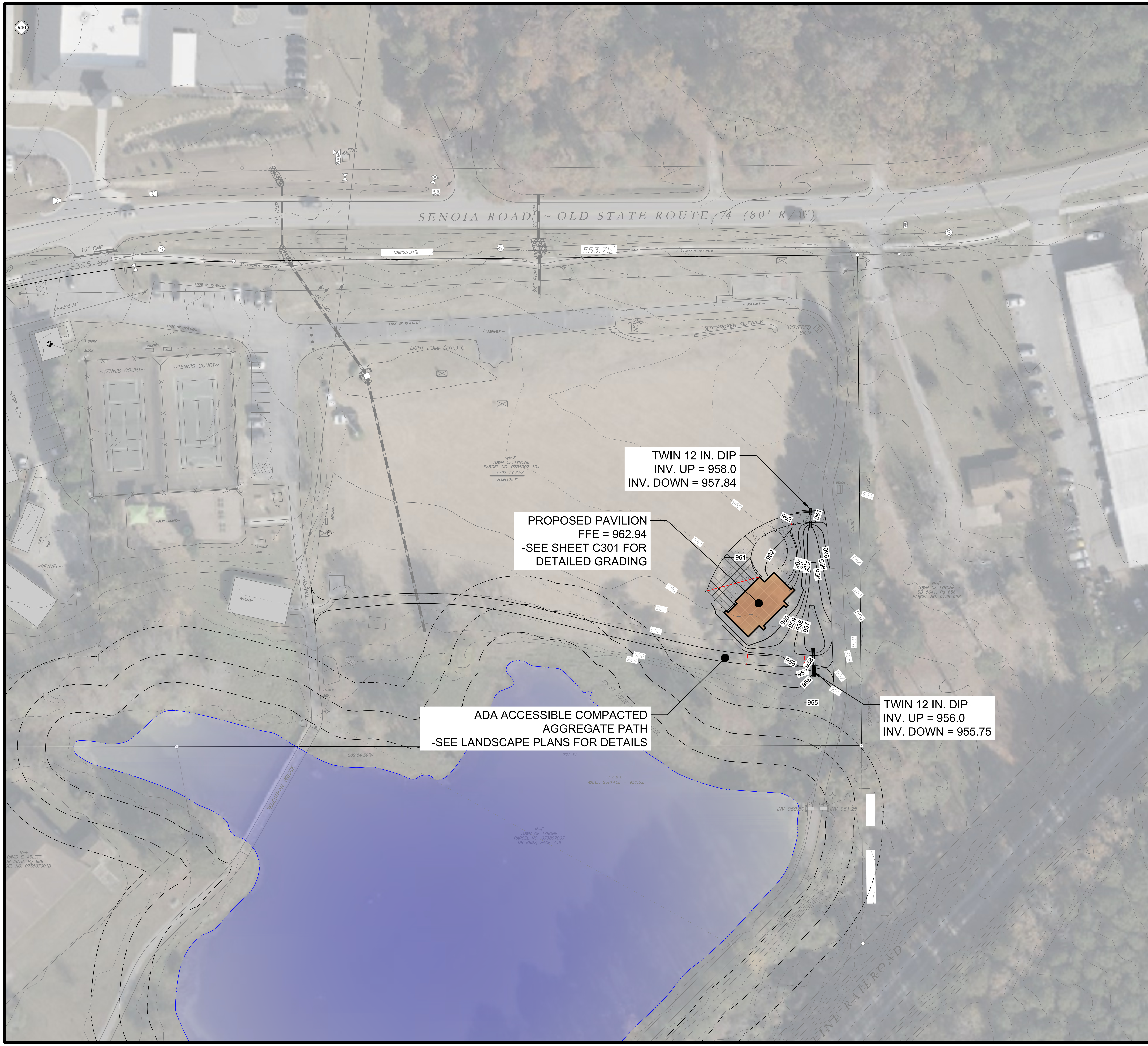
04.08.2025	ISSUED FOR PERMIT
04.08.2025	ISSUED FOR CONSTRUCTION

AXONOMETRIC OVERVIEW

G200

Printed: 4/9/25



PLAN LEGEND :

Symbol		Description
○	=	JUNCTION BOX (JB)
▬	=	STORM PIPE - SEE PROFILES ON SHEET C350 AND PIPE BEDDING DETAIL ON SHEET C703.
- - 900 - -	=	EXISTING CONTOURS
—900—	=	PROPOSED CONTOURS
☼	=	PROPOSED LIGHT POLE
TP	=	TOP OF PAVING/GUTTER
- - -	=	GRADE BREAK
→	=	FLOW ARROW
800.45	=	SPOT ELEVATION

GRID (GA WEST ZONE) NAD83

GRADING / DRAINAGE NOTES

1. SITE PREPARATION: ALL TREES AND UNWANTED VEGETATION SHOULD BE REMOVED, STUMPS GRUBBED AND ORGANIC TOPSOIL STRIPPED.
2. ALL AREAS TO RECEIVE STRUCTURAL FILL MATERIAL SHALL BE EVALUATED PRIOR TO FILL PLACEMENT. THE APPROVAL PROCESS SHOULD INCLUDE PROOFROLLING THE SUBGRADE WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK (20 TONS) DURING A PERIOD OF DRY WEATHER AND UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER. DENSIFICATION OF SUBGRADE SOILS MAY BE REQUIRED.
3. ALL STRUCTURAL FILL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE SOIL'S STANDARD PROCTOR MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM STANDARD D-698. THE UPPER FOOT OF FILL WHICH WILL SUPPORT PAVEMENTS OR SLABS SHOULD BE COMPACTED TO AT LEAST 98 PERCENT OF THE SOIL'S STANDARD PROCTOR MAXIMUM DRY DENSITY FOR IMPROVED SUPPORT. IN AREAS WHICH ARE AT OR ABOVE THE FINISHED GRADE, AND WHICH WILL SUPPORT PAVEMENTS OR SLABS, THE UPPER 8 INCHES IMMEDIATELY BELOW THESE SYSTEMS SHOULD BE SCARIFIED AND RECOMPACTED TO THE 98 PERCENT CRITERIA. STRUCTURAL FILL SHOULD BE FREE OF ORGANIC MATERIAL, HAVE A PLASTICITY INDEX (PI) LESS THAN 20 AND CONTAIN ROCK SIZES NO LARGER THAN 4 INCHES.
4. DENSITY TESTING SHOULD BE PERFORMED BY A SOILS TECHNICIAN TO DETERMINE THE DEGREE OF COMPACTION AND VERIFY COMPLIANCE WITH THE PROJECT SPECIFICATIONS. FOR UNDERFLOOR AREAS, AT LEAST ONE FIELD DENSITY TEST SHOULD BE MADE PER 5000 SQUARE FEET OF FILL AREA FOR EACH TWO FOOT LIFT. TESTING FREQUENCY SHOULD BE INCREASED IN CONFINED AREAS. AREAS WHICH DO NOT MEET THE COMPACTION SPECIFICATIONS SHOULD BE RECOMPACTED TO ACHIEVE COMPLIANCE. IN CONFINED AREAS, SUCH AS UTILITY TRENCHES, THE USE OF PORTABLE COMPACTION EQUIPMENT AND THIN LIFTS OF 3 TO 4 INCHES MAY BE REQUIRED TO ACHIEVE COMPACTION.
5. EARTHWORK SHALL BE ON AN UNCLASSIFIED BASIS. IMPORTING AND EXPORTING OF SOIL MAY BE REQUIRED TO RAISE/LOWER SITE TO FINAL GRADES. EXCAVATIONS MAY BE ACCOMPLISHED USING CONVENTIONAL HEAVY EARTHMOVING EQUIPMENT SUCH AS DOZER ASSISTED PANS, AND SIGNIFICANT EXCAVATIONS OF ROCK AND PARTIALLY WEATHERED ROCK ARE NOT ANTICIPATED.
6. PERMANENT AND TEMPORARY SLOPES SHALL BE CONSTRUCTED NO STEEPER THAN 2H: 1V FOR SLOPES LESS THAN 15 FEET HIGH. PERMANENT SLOPES SHOULD BE CONSTRUCTED NO STEEPER THAN 2H: 1V. ALL FINISHED SLOPES SHOULD BE SUITABLY PROTECTED FROM EROSION.
7. ALL CONTOURS ON PAVEMENT, OR ELSEWHERE, ARE TOP OF FINISHED PAVEMENT OR SURFACE.
8. SLOPES AND DISTURBED AREAS NOT COVERED BY PAVEMENT SHALL BE GRADED SMOOTH AND RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR TO PROVIDE TOPSOIL IF NOT AVAILABLE ON SITE. THE AREAS SHALL BE SEEDED AND COVERED WITH MATTING AS DESIGNATED ON EROSION CONTROL FERTILIZED AND WATERED TO PROVIDE A HEARTY, MOWABLE STAND OF GRASS. SMALL ROCKS AND DEBRIS MUST BE REMOVED. ISLANDS TO BE BACKFILLED TO TOP OF CURB WITH TOPSOIL AND GRADED TO DRAIN.
9. CLEARING LIMITS DETAILED ON THE TREE PROTECTION PLAN.
10. EX. GROUNDWATER WELL: ANY WATER WELLS SHALL BE ABANDONED HYDRAULICALLY IN COMPLIANCE WITH GEORGIA LAWS FOR WATER WELLS AS WELL AS "STRUCTURALLY". ONLY A CERTIFIED WATER WELL CONTRACTOR CAN ABANDON WELLS HYDRAULICALLY. UNLESS CEMENT GROUT IS USED FOR WELL ABANDONMENT, WE RECOMMEND THAT ALL WELLS BE STRUCTURALLY PLUGGED WITH CONCRETE PLUG OVERSIZED SO THAT THE PLUG WILL NOT FALL FURTHER INTO THE WELL. THE PLUG SHOULD BE CONSTRUCTED AT LEAST ONE FOOT BELOW FINISH GRADE IN LANDSCAPED AREAS TO FACILITATE GRASSING AND DEEPER IN STRUCTURAL AREAS TO AVOID FOUNDATIONS, UTILITIES, SLABS AND OTHER SIMILAR ITEMS. SPECIFIC RECOMMENDATION FOR STRUCTURAL ABANDONMENT OF THE WELLS CAN BE DETERMINED AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER.

NOTE: ALL SPOT ELEVATIONS ARE ON THE EDGE OF THE CONCRETE AND TOP BACK OF CURB.

GEORGIA811
www.Georgia811.com

Rev.	Description	Date	Apr.
1.	ISSUED FOR REVIEW	2/24/25	

Date:	Drawn by:	Check by:
02/14/25	RKA	JLW

SCALE: 1" = 40'

OVERALL GRADING AND DRAINAGE

PLANS FOR
SHAMROCK PARK PAVILION
LAND LOTS 139 OF THE 7TH DISTRICT, TOWN OF TYRONE, FAYETTE COUNTY, GEORGIA

GEORGIA PROFESSIONAL ENGINEER D. K. ALMAND
NOT FOR CONSTRUCTION

HIGHLAND
LAND PLANNING
201 PROSPECT PARK, SUITE A, PEACHTREE CITY, GEORGIA 30269

DRAWING NO.
C300

TWIN 12 IN. DIP
INV. UP = 958.0
INV. DOWN = 957.84

PROPOSED PAVILION
FFE = 962.94

ADA ACCESSIBLE COMPACTED
AGGREGATE PATH
-SEE LANDSCAPE PLANS FOR DETAILS

TWIN 12 IN. DIP
INV. UP = 956.0
INV. DOWN = 955.75

435.60'

N~
TOWN OF
DB: 5641,
PARCEL NO.

GRID (GA WEST ZONE) NAD83

Rev.	Description	Date	Apr.
1	ISSUED FOR REVIEW	2/24/25	

Date: 02/14/25
Drawn by: RKA
Check by: JLW

SCALE: 1" = 10'

DETAILED GRADING PLAN

PLANS FOR
SHAMROCK PARK PAVILION

LAND LOTS 139 OF THE 7TH DISTRICT, TOWN OF TYRONE, FAYETTE COUNTY, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER
DAVID K. ALMAND

NOT FOR CONSTRUCTION

HIGHLAND LAND PLANNING
201 PROSPECT PARK, SUITE A, PEACHTREE CITY, GEORGIA 30269
PH: 770.631.2499
COA NO. PEC008558 | EXP: 06/30/2026

GEORGIA811 www.Georgia811.com

DRAWING NO.
C301

Engineer Certification (#12)

"I certify under penalty of law that this plan was prepared after a site visity to the location described herein by myself or my authorized agent, under my supervision."

"I certify that the permittee's Erosion Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia," (published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements designated in the General NPDES Permit No. GAR 100001."

The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days of the construction date prior to that start date.

REID K ALMAND, P.E. P.E. #: 47263 GSWCC#: 79754

(#50) STRUCTURAL PRACTICES

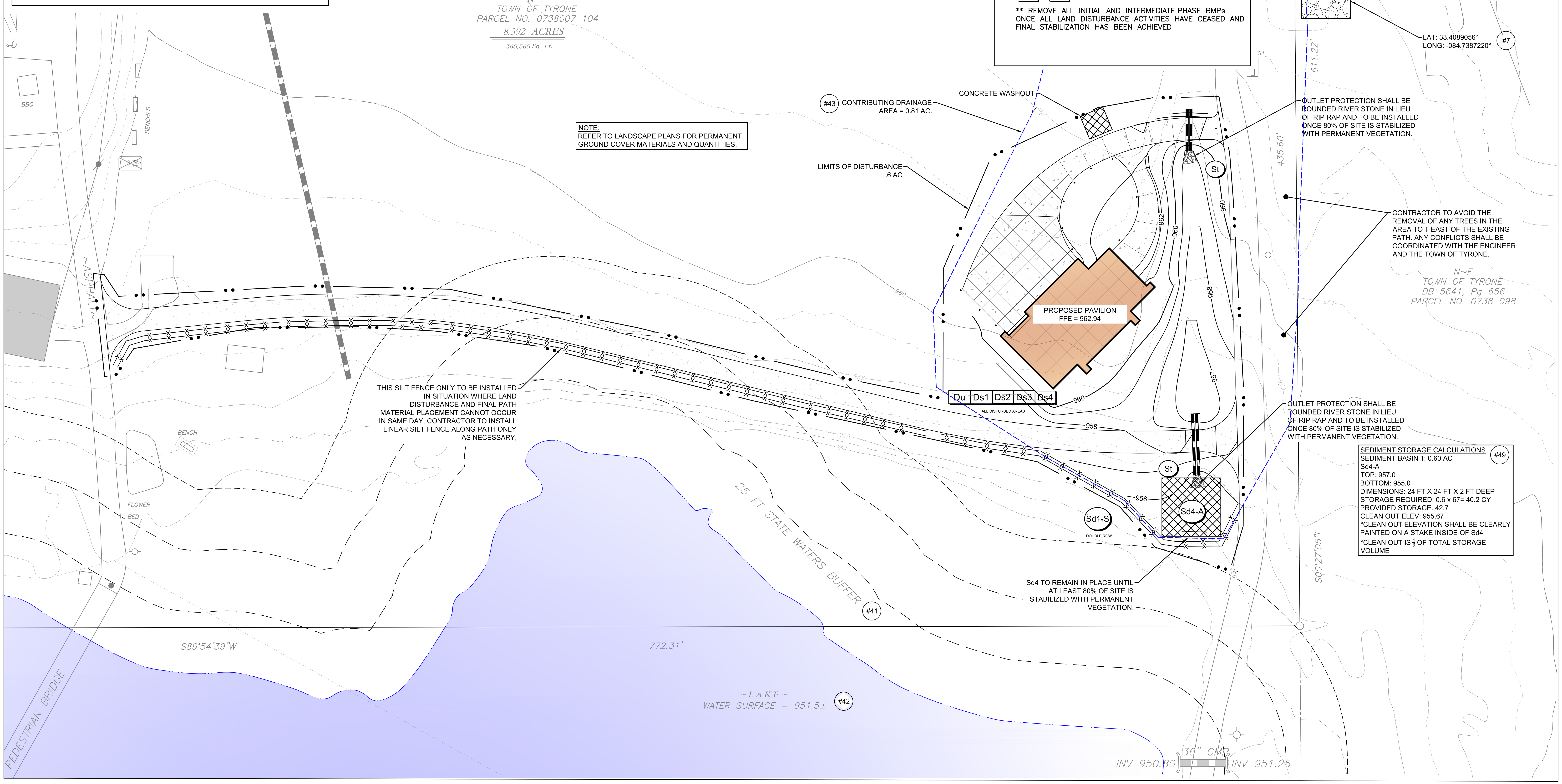
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT		(LABEL)	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Sd1	SEDIMENT BARRIER		(INDICATE TYPE)	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.

PHASING PLAN:

- INITIAL
  Co Du Sd1 Sd4
- INTERMEDIATE
  Co Du Ds1 Ds2 Ds3 Sd1 Sd2
  ** MAINTAIN INITIAL PHASE EROSION CONTROL MEASURES DURING ACTIVE CONSTRUCTION PROJECT
- FINAL
  Ds3 Ds4
  ** REMOVE ALL INITIAL AND INTERMEDIATE PHASE BMPs ONCE ALL LAND DISTURBANCE ACTIVITIES HAVE CEASED AND FINAL STABILIZATION HAS BEEN ACHIEVED



OWNER/DEVELOPER - PRIMARY PERMITTEE
TOWN OF TYRONE, GA
950 SENOIA ROAD
TYRONE, GA 30290
CONTACT: XXXXX
PHONE: 770-487-4038

(#2) REID K ALMAND, P.E.
GA PE #47263
GSWCC LEVEL II #79754

GEORGIA811
www.Georgia811.com

Rev.	Description	Date	Apr.
1.	ISSUED FOR REVIEW	2/24/25	

Date: 02/14/25 | Drawn by: RKA | Check by: JLW
#8 #37
SCALE: 1" = 20' (0' 10' 20')

THREE PHASE EROSION AND SEDEMENTATION CONTROL PLAN

PLANS FOR
SHAMROCK PARK PAVILION
LAND LOTS 139 OF THE 7TH DISTRICT, TOWN OF TYRONE, FAYETTE COUNTY, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER REID K. ALMAND
NOT FOR CONSTRUCTION

HIGHLAND LAND PLANNING
201 PROSPECT PARK, SUITE A, PEACHTREE CITY, GEORGIA 30269

DRAWING NO.
C510

Ds1 MULCHING SPECIFICATIONS:

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE FOR UP TO SIX MONTHS, BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH , DEPENDING ON THE MATERIAL USED, ANCHORED, AND HAVE CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE. MAINTENANCE SHALL BE REQUIRED TO MAINTAIN APPROPRIATE DEPTH AND 90% COVER. TEMPORARY VEGETATION MAY BE EMPLOYED INSTEAD OF MULCH IF THE AREA WILL REMAIN UNDISTURBED FOR LESS THAN SIX MONTHS. IF AN AREA WILL REMAIN UNDISTURBED FOR GREATER THAN SIX MONTHS, PERMANENT VEGETATION TECHNIQUES SHALL BE EMPLOYED.

SITE PREPARATION
1. GRADE TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
2. INSTALL NEEDED EROSION CONTROL MEASURES AS REQUIRED SUCH AS DIKES, DIVERSIONS, BERMS, TERRACES, AND SEDIMENT BARRIERS.
3. LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES.

APPLYING MULCH
WHEN MULCH IS USED WITHOUT SEEDING, MULCH SHALL BE APPLIED TO PROVIDE FULL COVERAGE OF THE EXPOSED AREA.
1. DRY STRAW OR HAY MULCH AND WOOD CHIPS SHALL BE APPLIED UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.
2. IF THE AREA WILL EVENTUALLY BE COVERED WITH PERENNIAL VEGETATION, 20–30 POUNDS OF NITROGEN PER ACRE IN ADDITION TO THE NORMAL AMOUNT SHALL BE APPLIED TO OFFSET THE UPTAKE OF NITROGEN CAUSED BY THE DECOMPOSITION OF THE ORGANIC MULCHES.
3. CUTBACK ASPHALT SHALL BE APPLIED UNIFORMLY . CARE SHOULD BE TAKEN IN AREAS OF PEDESTRIAN TRAFFIC DUE TO PROBLEMS OF "TRACKING IN" OF DAMAGE TO SHOES, CLOTHING, ETC.
4. APPLY POLYETHYLENE FILM ON EXPOSED AREAS.

ANCHORING MULCH
1. STRAW OR HAY MULCH CAN BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK". DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT TO PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION. STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION. STRAW OR HAY MULCH SPREAD WITH SPECIAL BLOWER–TYPE EQUIPMENT MAY BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE–5 OR SS–1). THE ASPHALT EMULSION SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE. USE 100 GALLONS OF EMULSIFIED ASPHALT AND 100 GALLONS OR WATER PER TON OF MULCH. TACKIFIERS AND BINDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. PLEASE REFER TO SPECIFICATION Tb–TACKIFIERS AND BINDERS. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. NETTING OF THE APPROPRIATE SIZE SHALL BE USED TO ANCHOR WOOD WASTE. OPENINGS OF THE NETTING SHALL NOT BE LARGER THAN THE AVERAGE SIZE OF THE WOOD WASTE CHIPS.
3. POLYETHYLENE FILM SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS INCREMENTALLY AS NECESSARY.

Ds2 TEMPORARY SEEDING SPECIFICATIONS:

A. GRADING AND SHAPING
1. EXCESSIVE WATER RUNOFF MUST BE CONTROLLED BY PLANNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BASINS, AND OTHERS.

B. SEEDBED PREPARATION
1. WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED.
2. WHEN USING CONVENTIONAL OR HAND–SEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.
3. WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH UNDISTURBED CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED, OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

C. LIME AND FERTILIZER
1. AGRICULTURAL LIME IS NOT REQUIRED.
2. ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED.
3. ON SOILS OF VERY LOW FERTILITY, USE 500 TO 700 POUNDS 10–10–10 FERTILIZER OR THE EQUIVALENT PER ACRE (12–16 lbs./1000 sq. ft.). IF THE SITE WILL PERMIT, APPLY BEFORE LAND PREPARATION AND DISK, RIP, OR CHISEL TO INCORPORATE.

D. SEEDING
1. SELECT A GRASS OR GRASS–LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR.
2. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER–SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER).
DRILL OR CULTIPACKER–SEEDERS SHOULD NORMALLY PLACE SEED ONE–HALF TO ONE INCH DEEP.

E. MULCHING
TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT TERM PROTECTION. SEE Ds1 – DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

F. IRRIGATION
IF WATER IS APPLIED, IT MUST BE AT A RATE NOT CAUSING RUNOFF AND EROSION. THOROUGHLY WET THE SOIL TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.

* REVISED 7/01 PER 5TH EDITION OF MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.

Ds3 PERMANENT SEEDING SPECIFICATIONS:

A. GRADING AND SHAPING
1. GRADING AND SHAPING IS NOT NORMALLY REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENTS.

B. SEEDBED PREPARATION
1. SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED.
2. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATION WILL BE DONE AS FOLLOWS:
   A. BROADCAST PLANTING
      1. TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPATION;INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEED SPRIGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS TO BE USED.

C. LIME AND FERTILIZER – RATES AND ANALYSIS
1. WHERE PERMANENT VEGETATION IS TO BE ESTABLISHED, AGRICULTURAL LIME SHALL BE APPLIED AS INDICATED BY SOIL TEST OR AT THE RATE OF 1 TO 2 TONS PER ACRE. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE.
2. LIME SPREAD BY CONVENTIONAL EQUIPMENT WILL BE "GROUND LIMESTONE". GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THT 90 PERCENT OF THE MATERIAL WILL PASS THROUGH A 10–MESH SIEVE AND NOT LESS THAN 25 PERCENT WILL PASS THROUGH A 100–MESH SIEVE.
3. AGRICULTURAL LIME SPREAD BY HYDRAULIC SEEDING EQUIPMENT WILL BE "FINELY GROUND LIMESTONE." FINELY GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 98 PERCENT OF THE MATERIAL WILL PASS THROUGH A 20–MESH SIEVE AND NOT LESS THAN 70 PERCENT WILL PASS THROUGH A 100–MESH SIEVE.

D. LIME AND FERTILIZER – APPLICATION
1. WHEN HYDRAULIC SEEDING EQUIPMENT IS USED:
   A. THE INITIAL FERTILIZER WILL BE MIXED WITH SEED, INOCULANT (IF NEEDED) AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH AND APPLIED IN A SLURRY. THE SLURRY WILL BE AGITATED DURING APPLICATION TO KEEP THE INGREDIENTS THOROUGHLY MIXED. THE MIXTURE WILL BE SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER BEING PLACED IN THE HYDROSEEDER.
   B. FINELY GROUND LIMESTONE WILL BE MIXED WITH WATER AND APPLIED IMMEDIATELY AFTER MULCHING IS COMPLETED OR IN COMBINATION WITH THE TOP DRESSING.

2. WHEN CONVENTIONAL PLANTING IS TO BE DONE, LIME AND FERTILIZER WILL BE APPLIED UNIFORMLY IN ONE OF THE FOLLOWING WAYS:
   A. APPLY BEFORE LAND PREPARATION SO THAT IT WILL BE MIXED WITH THE SOIL DURING SEEDBED PREPARATION; OR,
   B. MIX WITH THE SOIL USED TO FILL THE HOLES, DISTRIBUTE IN FURROWS; OR,
   C. BROADCAST AFTER STEEP SURFACES AND SCARIFIED, PITTED OR TRENCHED.
   D. A FERTILIZER PELLET WILL BE PLACED AT ROOT DEPTH.

* REVISED 7/01 PER 5TH EDITION OF MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA.

Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDINGS)

SPECIES	BROADCAST RATES 2/ – PLS 3/ PER ACRE	BROADCAST RATES 2/ – PLS 3/ PER 1000 SQ. FT.	RESOURCE AREA	REMARKS
MILLET, PEARL (PENNESETUM GLAUCUM)			M–L P	88,000 SEED PER POUND. QUICK DENSE COVER.
ALONE	50 LBS	1.1 LB	C	MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.
RYEGRESS, ANNUAL (LOLIUM TEMULENTUM)			M–L P	227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE
ALONE	40 LBS	0.9 LB	C	VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES
SUDANGRASS (SORGHUM SUDANESE)			M–L P	55,000 SEED PER POUND. GOOD ON DROUGHTY SITES.
ALONE	60 LBS	1.4 LB	C	NOT RECOMMENDED FOR MIXTURES.
MILLET, BROWNTOP (PANICUM FASCICULATUM)			M–L P	137,000 SEED PER POUND. QUICK DENSE COVER. WILL PROVIDE
ALONE	40 LBS	0.9 LB	C	TOO MUCH COMPETITION IN MIXTURES
IN MIXTURES	10 LBS	0.2 LB		IF SEEDED AT HIGH RATES.

PLANTING RATES BY RESOURCE AREA PLANTING DATES — OPTIMUM; PERMISSIBLE BUT MARGINAL — J F M A M J J A S O N D

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDINGS)

SPECIES	BROADCAST RATES 2/ – PLS 3/ PER ACRE	BROADCAST RATES 2/ – PLS 3/ PER 1000 SQ. FT.	RESOURCE AREA	REMARKS
BERMUDA, COMMON (CYNODON DACTYLON) HULLED SEED			P C	1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND
ALONE	10 LBS	0.2 LB		SOD FORMING. FULL SUN. GOOD
WITH OTHER PERENNIALS	6 LBS	0.1 LB		FOR ATHLETIC FIELDS.
BERMUDA, COMMON (CYNODON DACTYLON) UNHULLED SEED			P C	
WITH TEMPORARY COVER	10 LBS	0.2 LB		PLANT WITH WINTER ANNUALS.
WITH OTHER PERENNIALS	6 LBS	0.1 LB		PLANT WITH TALL FESCUE.
CENTIPEDE (EREMOCHLOA OPHIUROIDES)	BLOCK SOD ONLY		P C	DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENTTO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION AS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES. WINTERHARDY AS FAR NORTH AS ATHENS AND ATLANTA.
FESCUE, TALL (FESTUCA ARUNDINACEA)			M–L P	227,000 SEED PER POUND. USE ALONE ONLY ON
ALONE	50 LBS	1.1 LB		BETTER SITES. NOT FOR DROUGHTY SOILS. MIX WITH
WITH OTHER PERENNIALS	30 LBS	0.7 LB		PERENNIAL LESPEDEZAS OR CROWNVETCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTINGS. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.
LESPEDEZA, SERICEA (LESPEDEZA CUNEATA)				350,000 SEED PER POUND. WIDELY ADAPTED. LOW MAINTENANCE. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, OR TALL FESCUE. TAKES 2 TO 3 YEARS TO BECOME FULLY ESTABLISHED. EXCELLENT ON ROAD BANKS. INOCULATE SEED WITH EL INOCULANT.
SCARIFIED	60 LBS	1.4 LB	M–L P C	
UNSCARIFIED	75 LBS	1.7 LB	M–L P C	MIX WITH TALL FESCUE OR WINTER ANNUALS.
SEED–BEARING HAY	3 TONS	138 LB	M–L P C	CUT WHEN SEED IS MATURE. BUT BEFORE IT SHATTERS. TALL FESCUE OR WINTER ANNUALS.
LOVEGRASS, WEEPING (ERAGROSTIS CURVULA)			M–L P C	1,500,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT.
ALONE	4 LBS	0.1 LB		GROWS WELL WITH SERICEA LESPEDEZA
WITH OTHER PERENNIALS	2 LBS	0.05 LB		ON ROADBANKS.

PLANTING RATES BY RESOURCE AREA PLANTING DATES — OPTIMUM; PERMISSIBLE BUT MARGINAL — J F M A M J J A S O N D

(#52)

Ds1 | Ds2 | Ds3

DISTURBED AREA STABILIZATION WITH MULCHING, TEMPORARY SEEDINGS AND PERMANENT SEEDINGS

SCALE: NTS DATE:1/24/04

PERMANENT METHODS:

PERMANENT VEGETATION - REFER TO Ds3 (DISTURBED AREA STABILIZATION WITH PERMANENT VEGETATION)

TOPSOILING - COVERING THE SURFACE WITH A LESS EROSIVE SOIL MATERIAL

STONE - SURFACE WITH CRUSHED STONE OR COARSE GRAVEL (SEE Cr - CONSTRUCTION ROAD STABILIZATION)

TEMPORARY METHODS:

MULCHES - REFER TO Ds1 (DISTURBED AREA STABILIZATION)

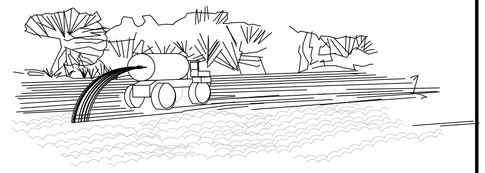
VEGETATIVE COVER - REFER TO Ds2 (DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING)

TILLAGE - ROUGHEN AND BRING CLODS TO THE SURFACE BY USE OF CHISEL–TYPE PLOWS SPACED ABOUT 12 INCHES APART

IRRIGATION - SITE SPRINKLED WITH WATER UNTIL WET. REPEAT AS NEEDED

BARRIERS - FENCES, HAY BALES, AND CRATE WALLS PLACED AT INTERVALS 15 TIMES THEIR HEIGHT AND PERPENDICULAR TO AIR CURRENTS

CALCIUM CHLORIDE - APPLY TO KEEP SURFACE WET. REPEAT AS NEEDED.



DUST CONTROL

N.T.S.

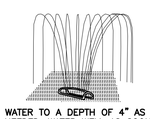
Du

LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

INCORRECT CORRECT

BUTTING – ANGLED ENDS CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.

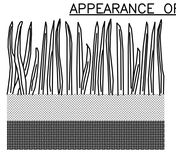
ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.



WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.

MOW WHEN THE SOD IS ESTABLISHED – IN 2–3 WEEKS. SET THE MOWER HIGH (2"–3").

APPEARANCE OF GOOD SOD



SHOOTS OR GRASS BLADES. GRASS SHOULD BE GREEN AND HEALTHY, MOWED AT A 2"–3" CUTTING HEIGHT.

THATCH – GRASS CLIPPINGS AND DEAD LEAVES, UP TO 1/2" THICK.

ROOT ZONE – SOIL AND ROOTS. SHOULD BE 1/2"–3/4" THICK, WITH DENSE ROOT MAT FOR STRENGTH.

MAINTENANCE: RE–SOD AREAS WHERE AN ADEQUATE STAND OF SOD IS NOT OBTAINED. NEW SOD SHOULD BE MOWED SPARINGLY. GRASS HEIGHT SHOULD NOT BE CUT LESS THAN 2"–3" OR AS SPECIFIED.

APPLY ONE TON OF AGRICULTURAL LIME AS INDICATED BY SOIL TEST OR EVERY 4–6 YEARS. FERTILIZE GRASSES IN ACCORDANCE WITH SOIL TESTS OR TABLE TO THE LEFT.

FERTILIZER REQUIREMENTS FOR SOD

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N–P–K)	RATE (LBS/ACRE)	NITROGEN TOP DRESSING RATE (LBS/ACRE)
COOL SEASON GRASSES	FIRST	6–12–12	1500	50–100
	SECOND MAINTENANCE	6–12–12	1000	–
		10–10–10	400	30
WARM SEASON GRASSES	FIRST	6–12–12	1500	50–100
	SECOND MAINTENANCE	6–12–12	800	50–100
		10–10–10	400	30

Ds4 SODDING

SCALE: NTS DATE: 1/24/04

REID K ALMAND, P.E.
GA PE #47263
GSWCC LEVEL II #79754

GEORGIA811 www.Georgia811.com

Rev.	Description	Date	Apr.
1	ISSUED FOR REVIEW	2/24/25	

Drawn by: RKA
Check by: JLW
Date: 02/14/25

EROSION DETAILS

PLANS FOR
SHAMROCK PARK PAVILION

LAND LOTS 139 OF THE 7TH DISTRICT, TOWN OF TYRONE, FAYETTE COUNTY, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER REID K. ALMAND

NOT FOR CONSTRUCTION

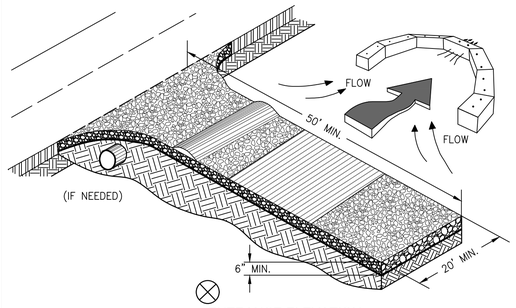
HIGHLAND LAND PLANNING
801 PROSPECT PARK, SUITE A, PEACHTREE CITY, GEORGIA 30269
PH: 770.631.0499
COA No.: PEC006538 | Exp.: 06/30/2026

DRAWING NO.
C600

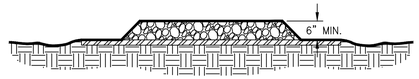
#51

Co CRUSHED STONE CONSTRUCTION EXIT

EXIT DIAGRAM

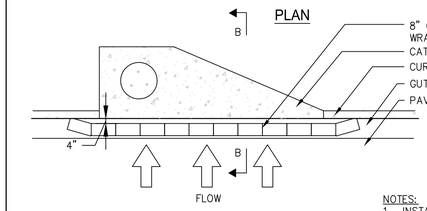


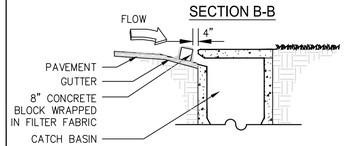
ENTRANCE ELEVATION

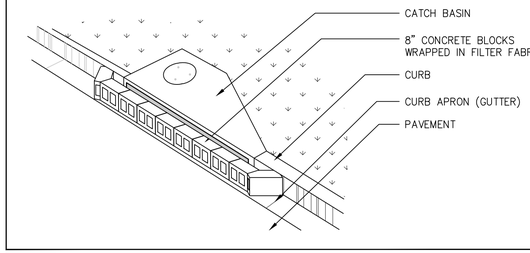


NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Sd2-P CURB INLET FILTER "PIGS IN BLANKET"



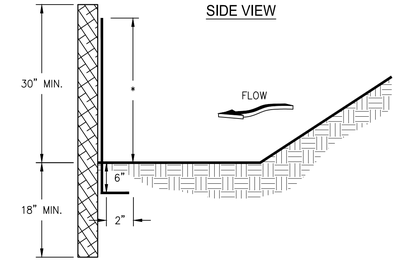




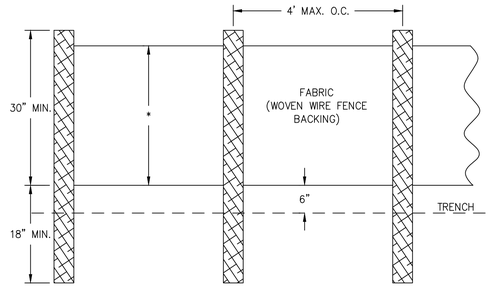
NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.

Sd1-S SILT FENCE - TYPE SENSITIVE

SIDE VIEW



FRONT VIEW

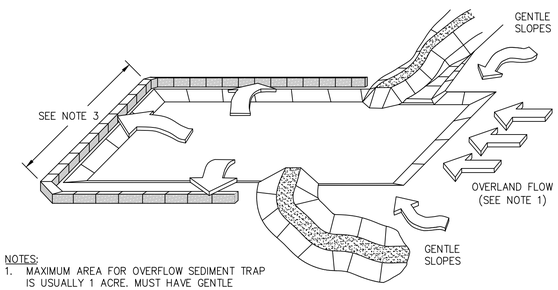


NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

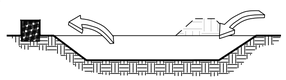
Sd4-A TEMPORARY SEDIMENT TRAP

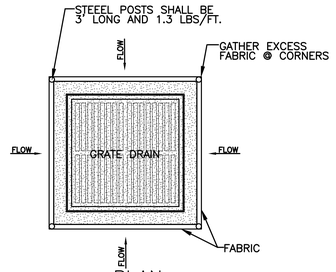
COURTESY OF CITY OF KNOXVILLE BMP EROSION AND SEDIMENT

OVERFLOW

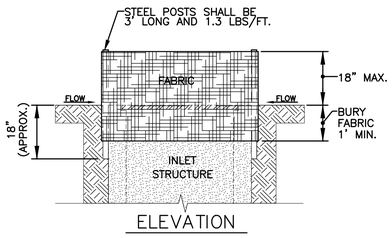


NOTES:
1. MAXIMUM AREA FOR OVERFLOW SEDIMENT TRAP IS USUALLY 1 ACRE. MUST HAVE GENTLE SLOPES (LESS THAN 2% GRADUALLY) AND PREDOMINATELY OVERLAND SHEET FLOW.
2. MAXIMUM PERMANENT WET DEPTH IS 2 FEET. OVERFLOW SEDIMENT TRAPS MAY NOT BE EFFECTIVE FOR HIGH GROUNDWATER TABLE AND INFLOWS.
3. USE THE MOST PERMEABLE SEDIMENT CONTROL IN LABELED AREA SO AS TO MAXIMIZE TRAVEL TIME AND SETTLING OF SEDIMENT.





PLAN



ELEVATION

INSTALLATION NOTES:
1. STAKES SHALL BE STEEL POSTS @ 3' MIN. & 1.3 LBS/FT.

2. SPACE STAKES EVENLY AROUND THE PERIMETER OF THE INLET A MAX. OF 3 FT. APART, & SECURELY DRIVE THEM INTO THE GROUND, APPROXIMATELY 18 IN. DEEP.

3. TO PROVIDE NEEDED STABILITY TO THE INSTALLATION, FRAME WITH 2x4 IN. WOOD STRIPS AROUND THE CREST OF THE OVERFLOW AREA @ A MAX. OF 1.5 FT. ABOVE THE DROP INLET CREST.

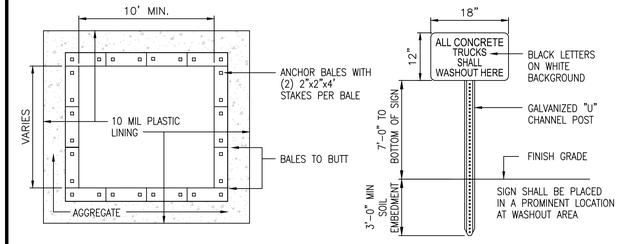
4. PLACE THE BOTTOM 12 IN. OF THE FABRIC IN A TRENCH & BACKFILL THE TRENCH W/AT LEAST 4 IN. OF CRUSHED STONE OR 12 IN. OF COMPACTED SOIL.
5. FASTEN FABRIC SECURELY TO THE POSTS & FRAME. JOINTS MUST BE OVERLAPPED TO THE NEXT STAKE.

6. THE TOP OF THE FRAME AND FABRIC MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE FROM THE DROP INLET TO KEEP RUNOFF FROM BYPASSING THE INLET. IT MAY BE NECESSARY TO BUILD A TEMPORARY DIKE ON THE DOWN SLOPE SIDE OF THE STRUCTURE TO PREVENT BYPASS FLOW.

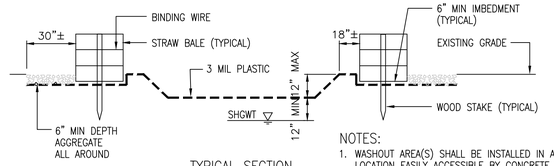
MAINTENANCE
THE TRAP SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP.
SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET, AGAIN.
WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. APPROPRIATELY STABILIZE ALL DISTURBED AREAS AROUND THE INLET.

Sd2-F INLET SEDIMENT TRAP-FABRIC & SUPPORTING FRAME

SCALE: NTS DATE: 2/19/04



PLAN WASHOUT SIGN



TYPICAL SECTION

NOTES:
1. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
2. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
3. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.
4. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

#24 CONCRETE WASH OUT AREA DETAIL

SCALE: N.T.S.

#2

REID K ALMAND, P.E.
GA PE #47263
GSWCC LEVEL II #79754

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Rev.	Description	Date	Apr.
1	ISSUED FOR REVIEW	2/24/25	

Date: 02/14/25
Drawn by: RKA
Check by: JLW

EROSION DETAILS

PLANS FOR SHAMROCK PARK PAVILION

LAND LOTS 139 OF THE 7TH DISTRICT, TOWN OF TYRONE, FAYETTE COUNTY, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 47263 REID K. ALMAND

NOT FOR CONSTRUCTION

HIGHLAND LAND PLANNING
201 PROSPECT PARK, SUITE A, PEACHTREE CITY, GEORGIA 30269
(T) 770.631.0979
COA No: PEC008658 | Exp: 06/30/2026

DRAWING NO.
C601

2. Controls

The following controls will be implemented at the construction site:

1) Initial perimeter BMP controls will include silt fencing and stone pads to be used at the construction exit. Intermediate grading and drainage BMPs will include silt fencing, stone pads, and sediment traps to be used at the construction exit, and temporary grassing.

2) Final BMPs will include permanent grassing by seed and additional landscaping as necessary.

A. Erosion and Sediment Controls

(1) Stabilization measures. Stabilization measures will be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceases is precluded by snow cover or other adverse weather conditions, stabilization measures shall be initiated as soon as practicable. Where construction activity will resume on a portion of the site within 21 days from when activities ceased, (i.e., the total time period that construction activity is temporarily ceased is less than 21 days) then stabilization measures do not have to be initiated on that portion of the site by the 14h day after construction activity temporarily ceased.

(2) Structural Practices. Structural practices will be implemented to divert flows from exposed soils or otherwise limit runoff and the discharge of pollutants from exposed areas of the site to the degree attainable. The practices, identified on Sheet(s) C520, include but may not be limited to silt fences, earth dikes, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, temporary or permanent sediment basins and other measures design and implemented in accordance with the Manual for Erosion and Sediment Control in Georgia, latest edition. The installation of these devices may be subject to Section 404 of the CWA.

(#29) B. Storm Water Management

Structural measures should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the CWA. This permit only addresses the installation of storm water management measures, and not the ultimate operation and maintenance of such structures after the construction activities have been completed and the site has undergone final stabilization. Operators are only responsible for the installation and maintenance of storm water management measures prior to final stabilization of the site, and are not responsible for maintenance after storm water discharges associated with construction activity have been eliminated from the site.

OTHER CONTROLS

(1) Waste disposal. Solid materials, including building materials, will not be discharged to waters of the state, except as authorized by a section 404 permit.

(2) Off-site vehicle tracking of dirt, solids, and sediments and the generation of dust will be minimized or eliminated to the maximum extent practical.

(3) The permittee is in compliance with the state and local waste disposal, sanitary sewer, and septic tank regulations.

(#25) (4) Petroleum Spills and Leaks

a. Best management practices for prevention of petroleum spills: All onsite vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers that are clearly labeled. Any petroleum to be stored in tanks will have be surrounded by an earthen berm as a secondary protective measure. Any Asphalt substances used onsite will be applied according to the manufacture's recommendations. All petroleum products shall be stored and used in area that provides a secondary containment feature, and shall be located in an area with the least foreseeable impact if a catastrophic event should occur. Emergency contact numbers and procedures for spills shall be available on-site.

b. Best management practices for remediation of petroleum spills:
Spill Cleanup and Control Practices
- Local, State and manufacturer's recommended methods for spill cleanup will be clearly posted and procedures will be made available to site personnel.
- Materials and equipment necessary for spill cleanup will be kept in the material storage areas. Typical materials and equipment includes, but is not limited to, brooms, dustpans, mops, rags, gloves, goggles, cat litter, sand, sawdust and properly labeled plastic and metal waste containers.
- Spill prevention practices and procedures will be reviewed after a spill and adjusted as necessary to prevent future spills.
- All spills will be cleaned up immediately upon discovery. All spills will be reported as required by local, State, and Federal regulations.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT **1 _ 800 - 424 - 8802 or 1 - 202 - 426 - 2675**
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT **1 - 800 - 424 - 8802 or 1 - 202 - 426 - 2675.**
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE GEORGIA E.P.D. WILL BE CONTACTED WITHIN 24 HOURS
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

The contractor shall notify the licensed professional who prepared this Plan if more than 1320 gallons of petroleum is stored onsite (this includes capacities of equipment) or if any one piece of equipment has a capacity greater than 660 gallons. The contractor will need a Spill Prevention Containment and Countermeasures Plan prepared by that licensed professional. (NOTE: CONTACT NUMBERS HAVE CHANGED. HIGHLIGHTED BOLD CONTACT NUMBERS ARE CORRECT)

(5) Product Specific Practices

a. Petroleum Based Products - Containers for products such as fuels, lubricants, and tars will be inspected daily for leaks and spills. This includes onsite vehicles and machinery daily inspections and regular preventative maintenance of such equipment. Equipment maintenance areas will be located away from State Waters, natural drains, and storm water drainage inlets. In addition, temporary fueling tanks shall have a secondary containment liner to prevent/minimize site contamination. Discharge of oils, fuels, and lubricants is prohibited. Proper disposal methods will include collection in a suitable container and disposal as required by local and State regulations.

b. Petroleum storage shall be done in accordance with one of the two following methods to prevent storm water discharges on the site.
a. All petroleum storage containers shall be covered with plastic sheeting or be located under a temporary roof.
b. All petroleum storage containers shall be located in a secondary containment area.

(#25) c. Paints/Finishes/Solvents - All products will be stored in tightly sealed original containers when not in use. Excess product will not be discharged to the storm water collection system. Excess product, materials used with these products, and product containers will be disposed of according to manufacturer's specifications and recommendations.

d. Concrete Truck Washing - NO concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water onsite.

e. Fertilizer/Herbicides - These products will be applied at rates that do not exceed the manufacturer's specifications or above the guidelines set forth in the crop establishment or in the GSWCC Manual for Erosion and Sediment Control in Georgia. Any storage of these materials will be under roof in sealed containers.

f. Building Materials - No building or construction materials will be buried or disposed of onsite. All such material will be disposed of in proper waste disposal procedures.

g. Cover - Building materials will be stored in a staging area and covered with appropriate tarps or lean-to, to ensure no pollution of storm water can occur. All materials to be stored on stone base. All liquids, solvents, fuels, or similar to be kept in appropriate water tight containers to ensure no leakage or commingling with storm water will occur.

(#1)

3. Inspections. (#31)

c. PRIMARY PERMITTEE.

(1). Each day when any type of construction activity has taken place at a PRIMARY PERMITTEE's site, certified personnel provided by the PRIMARY PERMITTEE shall inspect: (a) all areas used by the PRIMARY PERMITTEE where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment; and (b) all locations at the PRIMARY PERMITTEE site where that permittee's vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted. This paragraph is not applicable to utility companies and utility contractors performing only service line installations or when conducting repairs on existing line installations.

(2). Measure and record rainfall within disturbed areas of the site that have not met final stabilization once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday. The data collected for the purpose of compliance with this permit shall be representative of the monitored activity. Measurement of rainfall may be suspended if all areas of the site have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.

(3). Certified personnel (provided by the PRIMARY PERMITTEE) shall inspect at least the following once every seven calendar days: (a) disturbed areas of the PRIMARY PERMITTEE's construction site; (b) areas used by the PRIMARY PERMITTEE for storage of materials that are exposed to precipitation; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the PRIMARY PERMITTEE's site shall be observed to ensure that they are operating correctly. Certified personnel shall also conduct inspections within 24 hours of the end of a storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any Friday or on any non-working Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first). Post-rain inspections will reset the 7-day inspection frequency requirement. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.c.(4). These inspections must be conducted until a Notice of Termination is submitted. This paragraph is not applicable to utility companies and utility contractors performing only service line installations or when conducting repairs on existing line installations.

(4). Certified personnel (provided by the PRIMARY PERMITTEE) shall inspect at least once per month during the term of this permit (i.e., until a Notice of Termination is submitted to EPD) the areas of their sites that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s). Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). This paragraph is not applicable to utility companies and utility contractors performing only service line installations or when conducting repairs on existing line installations.

(5). Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following the inspection.

(6). A report of each inspection that includes the name(s) of certified personnel making each inspection, the date(s) of each inspection, construction phase (i.e., initial, intermediate or final), major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.c.(5) of the permit shall be made and retained at the site or be readily available at a designated alternate location until the entire site has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall be readily available by the end of the second business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. Where the report does not identify any incidents, the inspection report shall contain a certification that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. The report shall be signed in accordance with Part V.G.2. of this permit. This paragraph is not applicable to utility companies and utility contractors performing only service line installations or when conducting repairs on existing line installations.

Maintenance

A. Inspections by a qualified personnel provided by the PRIMARY PERMITTEE and the associated records shall be kept on-site in compliance with GAR. 100001.
B. Inspections of erosion control measures will be performed and corrective action taken when needed as required by the plan.
C. The PRIMARY PERMITTEE shall maintain all erosion control measures until permanent vegetation has been established.
D. The PRIMARY PERMITTEE shall clean out all sediment storage areas when required by the "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
E. Accumulated silt shall be removed when the silt is within 12" of the top of the silt fence utilized for erosion control.

Retention of Records. (#33)

3. Each PRIMARY PERMITTEE shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI:

a. A copy of all Notices of Intent submitted to EPD;
b. A copy of the Erosion, Sedimentation and Pollution Control Plan required by this permit;
c. The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5. of this permit;
d. A copy of all sampling information, results, and reports required by this permit;
e. A copy of all inspection reports generated in accordance with Part IV.D.4.c. of this permit;
f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D. of this permit; and.
g. Daily rainfall information collected in accordance with Part IV.D.4.c.(2). of this permit.

4. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plans, records of all data used to complete the Notice of Intent to be covered by this permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI of this permit. These records must be maintained at the permittee's primary place of business once the construction activity has ceased at the permitted site.This period may be extended by request of the EPD at any time upon written notification to the permittee.

(#29) *SITEWORK ACTIVITY SCHEDULE (ANTICIPATED START DATE - APRIL 2025)*

ITEM	MONTH 1	3	9	12	15	18
CLEARING/DEMO						
INSTALL SEDIMENT STORAGE BMP'S (SEDIMENT PONDS)						
GRADING/DRAINAGE						
PAVING						
TEMP. GRASSING						
PERM. GRASSING						
MAINTENANCE OF ES & PC BMP'S						
EROS. CONT.						
LANDSCAPING						
TREE PROTECTION						

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS GAR100001
SWCD:___TOWALIGA_____

Project Name:__SHAMROCK PARK PAVILION_____ Address:__960 SENOIA ROAD_____
Local Issuing Authority:__TOWN OF TYRONE_____ Date on Plans:__FEBRUARY 14, 2025_____
Name & Email of person filling out checklist:__Reid K. Almand, P.E., reid.almand@highlandlp.us_____

Plan Page #	Included Y/N		TO BE SHOWN ON ES&PC PLAN
C602	Y	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed. **Permit IV.D.1. pg 27**
C602	Y	2	Level II certification number issued by the Commission, signature and seal of the certified design professional. Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed. The Level II certification must be issued to the Design Professional, after completion of a GSWCC approved course, and whose signature and seal are on the Plan.
	N/A	3	Limits of disturbance shall be less than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include the GAEPD approval letter and completed Appendix 1 of this checklist with at least 4 of the chosen BMPs. * A copy of the written approval by GAEPD must be attached to the Plan for the Plan to be reviewed. **Permit IV.D.3. pg 28**
C602	Y	4	The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
C602	Y	5	Provide the name, address, email address, and phone number of Primary Permittee.
C602	Y	6	Note total and disturbed acreages of the project or phase under construction.
C510	Y	7	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C602	Y	8	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C602	Y	9	Descriptions of the nature of construction activity and existing site conditions.
H1.0	Y	10	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C602	Y	11	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C510	Y	12	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 20** of the permit.
	N/A	13	Design professional's certification statement and signature that the Permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 20** of the permit. *
	N/A	14	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect and certify the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." *
C602	Y	15	Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
C602	Y	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
	N/A	17	Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
	N/A	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
C602	Y	19	Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
C602	Y	20	Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
C602	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
	N/A	22	Any construction activity which discharges storm water into a Biota Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as any portion of a Biota Impaired Stream Segment, must comply with **Part III.C.** of the permit. Include the completed Appendix 1 of this checklist with at least 4 of the chosen BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
	N/A	23	If a TMDL Implementation Plan for sediment has been finalized for the Biota Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
C601	Y	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Include statement that washout of the drum at the construction site is prohibited. *
C602	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
	N/A	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
	N/A	27	Description of practices to provide cover for building materials and building products on site. *
	N/A	28	Description of the practices that will be used to reduce the pollutants in storm water discharges. *
C602	Y	29	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, grading, infrastructure, temporary and final stabilization).
	N/A	30	Provide complete requirements of Inspections and record keeping by the Primary Permittee. *
	N/A	31	Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
	N/A	32	Provide complete details for Retention of Records as per **Part IV.F.** of the permit. *
	N/A	33	Description of analytical methods to be used to collect and analyze the samples from each location. *
	N/A	34	Appendix B rationale for NTU values at all outfall sampling points where applicable. *
	N/A	35	Delineate all sampling locations on all phases of the Plan, and perennial and intermittent streams and other water bodies into which storm water is discharged. *
	N/A	36	A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial sediment storage requirements and initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all BMPs into a single phase plan. *
C510	Y	37	Graphic scale and North arrow.
C510	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2% Rolling 2 - 8% Steep 8% +	0.5 or 1 1 or 2 2, 5 or 10

	N/A	39	Use of Alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
	N/A	40	Use of Alternative BMP for application to the Equivalent BMP List. Refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
C510	Y	41	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State Waters and any additional buffers as required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
C510	Y	42	Delineation of all State Waters and wetlands located on or within 200 feet of the project site.
C510	Y	43	Delineation and acreage of contributing drainage basins on the project site.
	N/A	44	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *
C602	Y	45	Estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. For solar farm projects, post-construction impervious area shall be calculated as 70% of total solar panel square footage.
	N/A	46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate at all storm water discharge points. ITEM IS N/A BECAUSE THERE ARE NO PROPOSED STORM PIPE OUTFALLS, ONLY 2 CULVERTS UNDER SIDEWALKS.
C602	Y	47	Soil series for the project site and their delineation.
C510	Y	48	The limits of disturbance for each phase of construction.
C510	Y	49	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, Permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
C510	Y	50	Location of Best Management Practices that are consistent with, and no less stringent than, the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual Chapter 6, with legend.
C601	Y	51	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
C600	Y	52	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

* **If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.**

Effective January 1, 2025

Hydrology: (#45)

The following runoff coefficients were calculated for the existing and proposed developed conditions of the contributing drainage basins.
LIMITS OF DISTURBANCE: 0.6 AC
EXISTING CN: 61
PROPOSED CN: 71.2

This development consists of 4,516 S.F. of new impervious surfaces.

EROSION, SEDIMENTATION AND POLLUTION CONTROL NOTES:

1. **NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED BY THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.** (#15)
2. **THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.** (#19)
3. **EROSION CONTROL MEASURES MUST BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.** (#20)
4. **ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.** (#21)

OWNER/PRIMARY PERMITTEE: (#4) (#5)

TOWN OF TYRONE, GA
950 SENOIA ROAD
TYRONE, GA 30290
CONTACT:
EMAIL:
PHONE: 770-487-4038

Site Description (#9)

A. Existing Site Conditions
The site currently consists of mostly lawn.
B. Proposed Construction Activities
The proposed development will consist of a new pavilion with mult-use path and landscaping.
i. GRADING
ii. DRAINAGE
iii PAVING
iv STORMWATER FACILITIES

Construction Site Area: (#6)

SITE AREA: 8.392 AC
DISTURBED AREA: .6 AC.

Soil Types: (#47)

CeB

Wetlands: (#42)

WETLANDS ARE LOCATED WITHIN THE BOUNDARIES OF THE PROJECT PROPERTY. BUT WILL NOT BE AFFECTED BY CONSTRUCTION ACTIVITIES.

State Waters: (#42)

STATE WATERS ARE LOCATED ON OR WITHIN 200 FEET OF THE BOUNDARIES OF THE PROJECT PROPERTY BUT WILL NOT BE AFFECTED BY CONSTRUCTION ACTIVITIES.

Drainage Description: (#11) (#16) (#41)

IN ITS CURRENT STATE, THE SITE IS RELATIVELY FLAT. IT DRAINS FROM NORTH TO SOUTH AND NATURALLY FLOWS INTO AN EXISTING LAKE, WHICH DISCHARGES INTO KEDRON CREEK. IN THE PROPOSED CONDITION, THE EXISTING BASINS WILL BE MAINTAINED.

NO STATE WATERS BUFFER ENCROACHMENTS ARE PROPOSED. CONSEQUENTLY, NO BUFFER VARIANCES ARE NECESSARY.

(#2)
REID K ALMAND, P.E.
GA PE #47263
GSWCC LEVEL II #79754

GEORGIA811 www.Georgia811.com

Rev.	Description	Date	Apr.
1	ISSUED FOR REVIEW	2/24/25	

Drawn by: RKA
Check by: JLW
(#8)
Date: 02/14/25

EROSION DETAILS

PLANS FOR
SHAMROCK PARK PAVILION
LAND LOTS 139 OF THE 7TH DISTRICT, TOWN OF TYRONE, FAYETTE COUNTY, GEORGIA

NOT FOR CONSTRUCTION
GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 47263 REID K. ALMAND

HIGHLAND LAND PLANNING
201 PROSPECT PARK, SUITE A, PEACHTREE CITY, GEORGIA 30269
(P) 770.631.0499
COA No. PEC005838 | Exp. 06/30/2026

DRAWING NO.
C602

TYRONE TOWN HALL

SENOIA ROAD - OLD STATE ROUTE 74 (80' R/W)

N89°25'31"E 553.75'

5' CONCRETE SIDEWALK

SIDEWALK

24" CMP

24" RCP

EDGE OF PAVEMENT

~ ASPHALT ~

LIGHT POLE (TYP.)

OLD BROKEN SIDEWALK

COVERED SIGN

FUTURE PARKING LOT
NOT IN CONTRACT

N/F
TOWN OF TYRONE
PARCEL NO. 0738007 104
8.392 ACRES
365,565 Sq. Ft.

BBQ

BENCHES

BENCH

FUTURE BOLLARD LIGHTS
NOT IN CONTRACT.

PROPOSED CULVERT BELOW SIDEWALK.
SEE ENGINEER'S DRAWINGS

NEW CONCRETE PAVEMENT SAW CUT
JOINTS SPACED AS SHOWN
SEE DETAIL 4 SHEET L2.1

R100.00'

CONTROL JOINT,
TYPICAL

CONCRETE PAVEMENT ON STAGE
AND STEPS. SEE ARCHITECTURE
DRAWINGS.

ALIGN
PAVEMENT
TO WALL
CORNER,
TYP.

ALIGN
JOINTS

FUTURE SIDEWALK.
NOT IN CONTRACT

NEW CONCRETE PAVEMENT SAW CUT
JOINTS SPACED AS SHOWN
SEE DETAIL 4 SHEET L2.1

NEW LANDSCAPE AT LIMITS OF
DISTURBANCE. SEE LANDSCAPE PLAN.

EXISTING PAVEMENT,
TYPICAL

PROPOSED CULVERT BELOW AGGREGATE
PATH. SEE ENGINEER'S DRAWINGS.

ADA ACCESSIBLE COMPACTED
AGGREGATE PATH.
SEE DETAIL 5 SHEET L2.1

75' BUFFER

50' BUFFER

25' BUFFER

SMALL ROUND RIVER ROCK
(3-5" IN SIZE) DRAINAGE STRIP
OFFSET 2' FROM ROOF LINE
6" DEEP. SEE DETAIL 7 SHEET L2.1,
TYPICAL

ROOF LINE

PROPOSED PAVILION.
SEE ARCHITECTURE DRAWINGS

IF YOU DIG GEORGIA...
CALL US FIRST!
UTILITIES PROTECTION CENTER
IT'S THE LAW

Know what's below.
Call before you dig

0' 20' 40'

NORTH

VIRIDIAN studios
LANDSCAPE ARCHITECTS

LANDSCAPE ARCHITECTURE

PO BOX 870136
STONE MOUNTAIN, GA 30087
P: 404-780-2170
W: Viridianstudiosatl.com

REVISIONS

NO.	DATE	ISSUE

PROJECT NAME

SHAMROCK PARK PAVILION

PROJECT ADDRESS

960 SENOIA ROAD
TYRONE, GA

PARCEL ID: 0738104
LAND LOT 139 OF
THE 7TH DISTRICT
FAYETTE COUNTY
TOWN OF TYRONE,
GA

OWNER

TOWN OF TYRONE

SHEET TITLE

SITE HARDSCAPE PLAN

DATE 04/08/2025

PROJ. NO. 2024026

PROFESSIONAL SEAL

GEORGIA REGISTERED No. LA001518 LANDSCAPE ARCHITECT JULIE ELIZABETH KELLOGHER

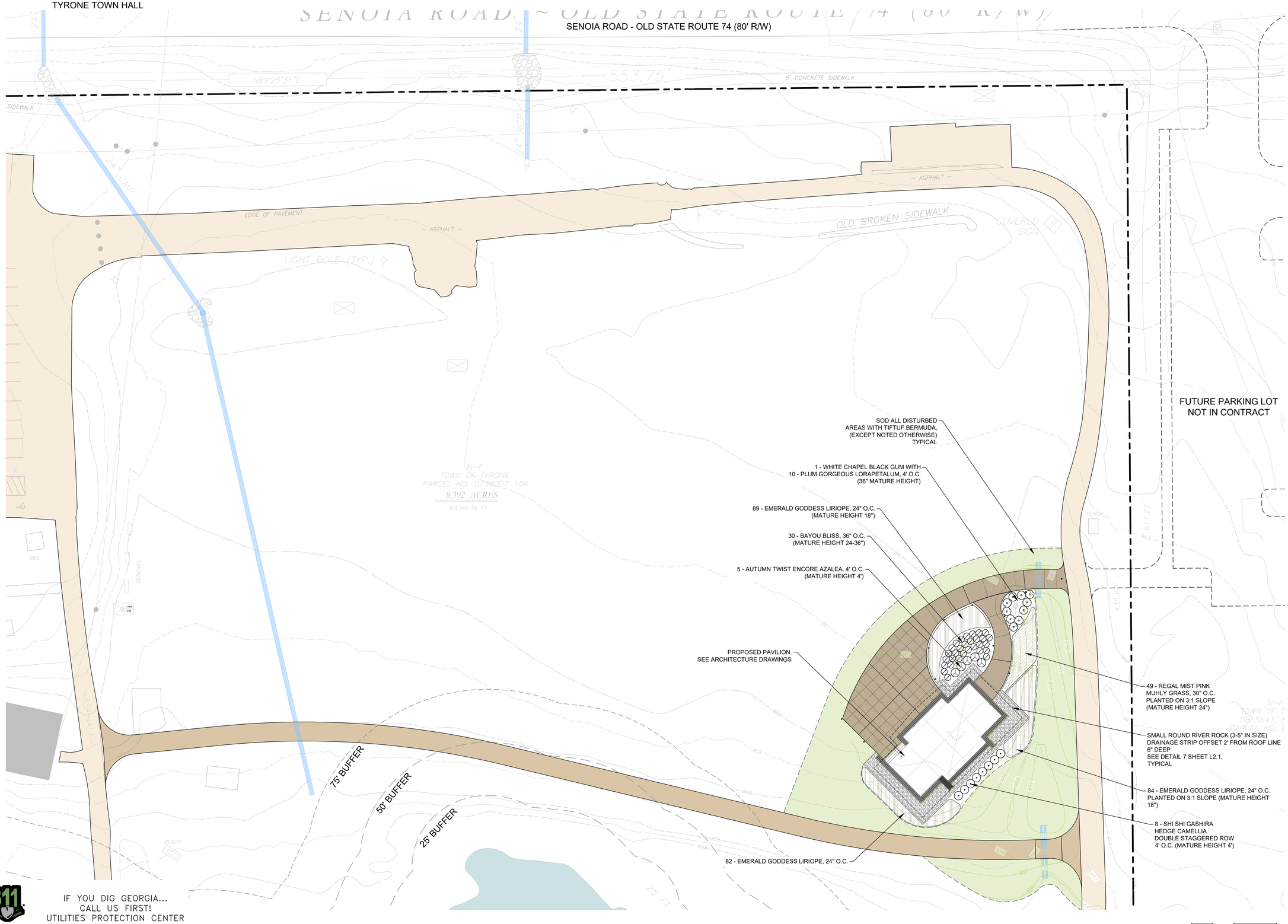
SHEET

H1.1

100% CONSTRUCTION
DOCUMENT SUBMITTAL

TYRONE TOWN HALL

SENOIA ROAD - OLD STATE ROUTE 74 (80' R/W)



811 Know what's below. Call before you dig

IF YOU DIG GEORGIA...
CALL US FIRST!
UTILITIES PROTECTION CENTER
IT'S THE LAW

0' 20' 40'

NORTH

VIRIDIAN studios
LANDSCAPE ARCHITECTS

LANDSCAPE ARCHITECTURE

PO BOX 870136
STONE MOUNTAIN, GA 30087
P: 404-780-2170
W: Viridianstudiosatl.com

REVISIONS

NO.	DATE	ISSUE
1		
2		
3		
4		
5		
6		
7		
8		

PROJECT NAME

SHAMROCK PARK PAVILION

PROJECT ADDRESS

960 SENOIA ROAD
TYRONE, GA

PARCEL ID: 0738104
LAND LOT 139 OF THE 7TH DISTRICT
FAYETTE COUNTY
TOWN OF TYRONE, GA

OWNER

TOWN OF TYRONE

SHEET TITLE

LANDSCAPE PLAN

DATE 04/08/2025

PROJ. NO. 2024026

PROFESSIONAL SEAL

GEORGIA REGISTERED LANDSCAPE ARCHITECT JILL ELIZABETH KELLER No. LA001618

SHEET

L1.1

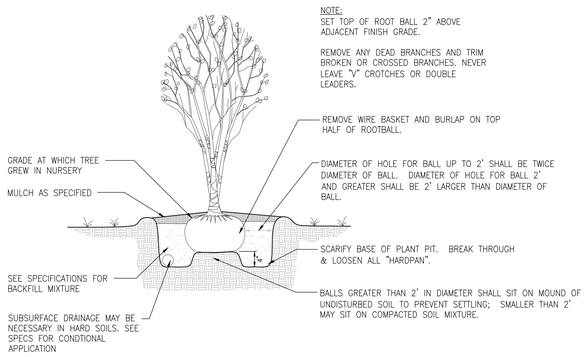
100% CONSTRUCTION DOCUMENT SUBMITTAL

REFER TO SHEET L2.2 AND L2.3 FOR LANDSCAPE SPECIFICATIONS.

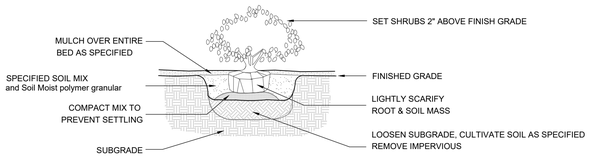
Bid Notes:
1. Contractor shall secure trees from the following approved nurseries: Bold Spring Nursery, Mid-Georgia Nursery.
2. The information in this Form is for listing purposes only and does not indicate all specification requirements. For complete description of plant material requirements, refer to Drawings.
3. **Unit price shall include cost of materials and labor to furnish items indicated, including, but not limited to, freight, delivery, storage, handling, protection, of completed work, soil mix, mulch, gravel, drainage materials, drainage testing, warranty, taxes, general conditions, overhead and profit.**

Note: Contractor to supply quantities from plan and field verification.

					Unit	Total
LANDSCAPE MATERIAL SCHEDULE						
QUANITY	BOTANICAL NAME	COMMON NAME	Minimum Size	Notes	Unit Cost	Total Cost
Trees						
1	Nyssa sylvatica 'White Chapel'	White Chapel Black Gum	4 caliper	full branching		
Shrubs						
8	Camellia sasanqua 'Shi Shi Gashira'	Shi Shi Gashira Hedge Camellia	3 gallon	full branching		
10	Loropetalum chinense 'Plum Gorgeous'	Plum Gorgeous Lorapetalum	7 gallon	full branching		
30	Distylium BLDY01 Hybrid PP32816	Bayou Bliss Distylium	3 gallon	full branching		
5	Rhododendron 'Conlep' PP12133	Autumn Twist Encore Azalea	3 gallon	full branching		
Groundcover				full branching		
49	Muhlenbergia capillaris 'Regal Mist'	Regal Mist Muhly Grass	3 gallon	full branching		
255	Liriope muscari 'Emerald Goddess'	Emerald Goddess Liriope	1 gallon	full branching		
*	Cynodon dactylon x C. transvaalensis	Bermuda Sod 'Tiftuf'	sod	weed free, fresh cut sod		
	Shredded Hardwood Mulch		3" thick	Dark Brown Tint		
	Small River Rock and landscape edging		3-5" in size, round	Tan, Brown tones		
	Landscape Maintenance					
	Hand-watering during warranty period or otherwise as directed by owner					
*	contractor field verify sod quantity					

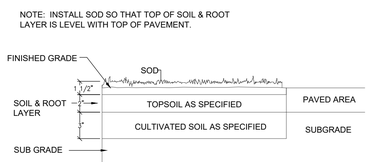


1 / L2.1 TYPICAL TREE PLANTING
N.T.S.

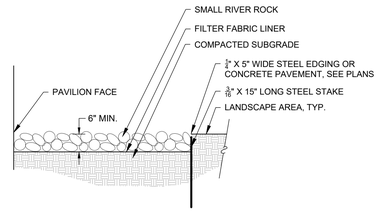


NOTES:
1. IF ROOTBALL IS WRAPPED IN NON-BIODEGRADEABLE BURLAP, REMOVE ENTIRE WRAP AFTER PLACED IN PIT.

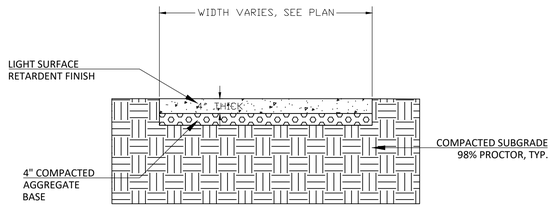
2 / L2.1 SHRUB AND GROUNDCOVER PLANTING DETAIL
N.T.S.



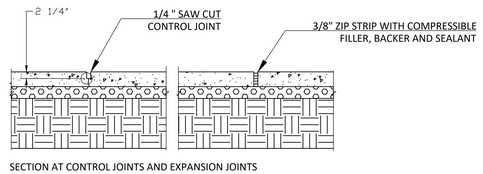
3 / L2.1 SOD PLANTING DETAIL
N.T.S.



7 / L2.1 SMALL RIVER DRAINAGE STRIP - SECTION
N.T.S.



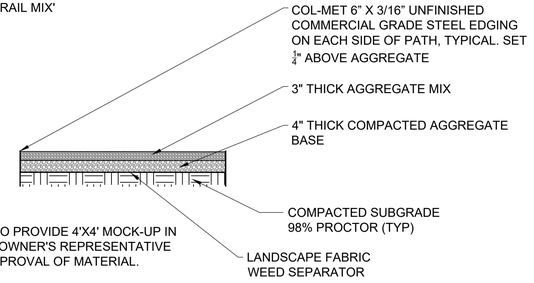
NOTES:
1. SLABS SHALL BE POURED IN PLACE, STANDARD GRAY PORTLAND CEMENT, 3500 PSI @ 28 DAYS.
2. LIGHT SURFACE RETARDANT FINISH. PROVIDE 3' X 3' MOCKUP IN FIELD FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO COMMENCEMENT.
3. CROSS SLOPES NOT TO EXCEED 1/2" IN 1'-0". REFER TO CIVIL ENGINEER'S DRAWINGS FOR GRADING AND DRAINAGE INFORMATION.
4. CONTROL JOINTS TO BE SAW CUT AS INDICATED WITHIN WITHIN THE FIRST SIX TO 18 HOURS AND NEVER DELAYED MORE THAN 24 HOURS. REFER TO HARDSCAPE PLANS FOR PATTERN.
5. EXPANSION JOINTS TO BE FULL DEPTH AT COLD POURS, BUILDING SLABS AND AT INTERVALS FIVE TIMES WALK WIDTH FOR WALKS LESS THAN 8 FEET WIDE AND THREE TIMES WALK WIDTH FOR WALKS 8 FEET AND GREATER. PROVIDE "ZIPSTRIP" OR EQUIVALENT REMOVABLE TOP. REMOVE PLASTIC CAP AND CAULK JOINT WITH SINGLE COMPONENT, SELF-LEVELING SILICONE JOINT SEALANT FOR CONCRETE MEETING ASTM D5893, TYPE SL. SUBMIT MANUFACTURER'S SPEC SHEET FOR REVIEW AND APPROVAL.
6. ALL JOINTS TO BE PERPENDICULAR WITH EDGES OF WALK. IF WALKWAY IS CURVED, JOINTS TO RADIATE FROM RADIUS POINT.
7. OVER CAULKED OR MESSY JOINTS WILL REQUIRE REMOVAL AND REPAIR.



SECTION AT CONTROL JOINTS AND EXPANSION JOINTS

4 / L2.1 CONCRETE PAVING DETAIL
N.T.S.

ADA COMPLIANT AGGREGATE:
SLATESCAPE 'TRAIL MIX'
BY ROCKMART



CONTRACTOR TO PROVIDE 4'X4' MOCK-UP IN THE FIELD FOR OWNER'S REPRESENTATIVE REVIEW AND APPROVAL OF MATERIAL.

PAVING TO BE THOROUGHLY WASHED AFTER COMPACTION

5 / L2.1 COMPACTED AGGREGATE PATH DETAIL
N.T.S.

811 Know what's below. Call before you dig

IF YOU DIG GEORGIA...
CALL US FIRST!
UTILITIES PROTECTION CENTER
IT'S THE LAW

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LANDSCAPE ARCHITECTS

LANDSCAPE ARCHITECTURE

PO BOX 870136
STONE MOUNTAIN, GA 30087
P: 404-780-2170
W: Viridianstudiosatl.com

REVISIONS

NO.	DATE	ISSUE

PROJECT NAME

SHAMROCK PARK PAVILION

PROJECT ADDRESS

960 SENOIA ROAD
TYRONE, GA

PARCEL ID: 0738104
LAND LOT 139 OF THE 7TH DISTRICT
FAYETTE COUNTY
TOWN OF TYRONE, GA

OWNER

TOWN OF TYRONE

SHEET TITLE

LANDSCAPE SCHEDULE & DETAILS

DATE 04/08/2025

PROJ. NO. 2024026

PROFESSIONAL SEAL

GEORGIA REGISTERED No. LA001518 LANDSCAPE ARCHITECT JILL ELIZABETH KELLIHER

SHEET

L2.1

100% CONSTRUCTION DOCUMENT SUBMITTAL

LANDSCAPE SPECIFICATIONS (Available in letter size format upon request)

1.1 SUMMARY

A. Extent of Landscape Work is indicated on Drawings and in schedules.

B. Provide and furnish all labor, materials and equipment required or inferred from Drawings and Specifications to complete the Work of this Section.

1.2 UNIT PRICES

A. Submit bid on unit prices bid form provided in this specification manual.

1.3 SUBMITTALS

A. Approval: Obtain approval from Landscape Architect for all submittals prior to the beginning of Work, unless otherwise approved.

B. Approved Tree Nurseries: specified on unit prices bid form.

1. Alternate Nurseries Proposed by Contractor: Alternate nurseries will be considered by the Landscape Architect only if photographs of specified materials are submitted within ten (10) business days prior to bid due date. The Landscape Architect will tentatively accept, subject to physical observation and tagging, or reject alternate nurseries within five (5) business days of submittal date of photographs. The Landscape Architect will select and tag 100 percent of trees from acceptable alternate nurseries prior to delivery to Project Site unless the tree nursery is located more than 3 hours from project site. Contractor shall provide the Landscape Architect a minimum of three (3) weeks advance notice to proposed tagging trip(s). Contractor shall limit tagging trips to no more than two (2) at a maximum of one (1) day each.

a. Photographs submitted from alternate nurseries shall indicate a person and measuring pole, with clear numerical indicators of height in each scene. Submit photograph(s) of individual plant and one photograph showing an overall view of the field(s) that plants are being grown in.

C. Topsoil Location and Sample: Furnish Landscape Architect with written statement stating location of property from which topsoil is to be obtained. Submit one (1) gallon Ziploc bag of topsoil proposed for use.

D. Topsoil Test Report: Submit results of soil analysis by a qualified soil-testing laboratory, for standardized ASTM 5268 topsoil proposed for use in planting soil mixes. Report shall include percentages of deleterious materials; organic matter; gradation of sand, silt, and clay content, as determined by test methods included in Part 2 - Products; cation exchange capacity; pH level; mineral, major nutrient and micro nutrient content of top soil.

E. Product Data: Submit, for information only, product data for proprietary materials and items, including soil amendments, soil conditioner, and other packaged and manufactured products.

1.4 QUALITY ASSURANCE

A. Industry Reference Standards: Refer to Division 01 References Section. National List of Scientific Plant Names, latest edition.

American National Standards Institute, Inc. (ANSI):

ANSI Z60.1 American Standard for Nursery stock by the American Association of Nurseryman.

B. Qualifications:

Installer Qualifications: Engage a firm specializing in landscape installation. Submit written documentation of successful completion of ten (10) projects of similar size, scope and complexity to work specified for this Project.

Firm Experience Period: Seven (7) years of experience.

Field Foreman Experience: Five (5) years of experience with installing firm.

C. Soil-Testing Laboratory Qualifications: Engage a reputable independent laboratory, recognized by the State Department of Agriculture, with the experience and capability to conduct testing and analysis of existing surface soils representative of planting areas and lawn areas on site, new topsoil to be used in soil mixes and soil mixes with reference to specified plant materials.

D. Soil Analysis: Furnish soil analysis and a written report by a qualified soil-testing laboratory stating percentages of organic matter; gradation of sand, silt, and clay content; cation exchange capacity; deleterious material; pH; and mineral and plant- nutrient content of the soil.

1. Testing methods and written recommendations shall comply with USDA's Handbook No. 60.

2. Report suitability of tested soil for plant growth.

a. Based upon the test results, state recommendations for soil treatments and soil amendments to be incorporated. State recommendations in weight per 1000 sq. ft. (92.9 sq. m) or volume per cu. yd. (0.76 cu. m.) for nitrogen, phosphorus, and potash nutrients and soil amendments to be added to produce satisfactory planting soil suitable for healthy, viable plants.

b. Report presence of problem salts, minerals, or heavy metals, including aluminum, arsenic, barium, cadmium, chromium, cobalt, lead, lithium, and vanadium. If such problem materials are present, provide additional recommendations for corrective action.

E. Measurements: Measure according to ANSI Z60.1. Do not prune to obtain required sizes.

1. Trees and Shrubs: Measure with branches and trunks or canes in their normal position. Take height measurements from or near the top of the root flare for field-grown stock and container grown stock. Measure main body of tree or shrub for height and spread; do not measure branches or roots tip to tip. Certain tree species, particularly conifers, may have extended leaders which protrude well beyond the body of the crown. In such cases, only the first foot of growth of the leader beyond the closest side branch will count towards its overall height measurement. Take caliper measurements 6 inches (150 mm) above the root flare for trees up to 4-inch (100-mm) caliper size, and 12 inches (300 mm) above the root flare for larger sizes.

2. Each plant procured for the project must, at the minimum, meet all of the specified size parameters listed, i.e. caliper, height, spread, container size, comment. The Landscape Architect has the right to reject any material that falls short of the specified sizes.

3. All container sizes listed are full sizes (e.g. one gallon must fit the dimensions of a full one gallon pot). No trade gallons will be acceptable unless prior approval is granted by the Landscape Architect.

4. Other Plants: Measure with stems, petioles, and foliage in their normal position.

1.5 MATERIAL QUANTITIES:

A. It is the Contractor's responsibility to total and confirm all material quantities. Items quantified by an area (i.e., square feet - sf., square yard - sq. yd.) or volume (cubic feet - cu. ft., cubic yard-cu. yd.) shall be calculated and confirmed by the Contractor. The quantities listed on the plant list are estimated. In the event of a discrepancy between the totals listed on the plant list and the numerical callouts on the Drawings, the Drawings shall govern. The actual total quantities shall be determined by the Contractor.

1. The plants listed on the unit price proposal form in the project manual is provided for convenience. In the event of a discrepancy between the unit price proposal form and plant quantities indicated on the Drawings, the Drawings shall govern.

1.6 MATERIAL SIZES:

A. It is the Contractor's responsibility to confirm that the sizes indicated on the Drawing callouts match the sizes on the Drawing plant list. The plants list on the Drawings is provided for convenience and is only a summary. In the event of a discrepancy between the sizes on callouts and the plant sizes indicated on the Drawing plant list, the larger of the two sizes shall govern. The Contractor shall bring any discrepancy to the Landscape Architect's and Owner's attention.

1. The plants listed on the unit price proposal form in the project manual is provided for convenience. In the event of a discrepancy between the unit price proposal form and the plant sizes indicated on the Drawing callouts, the Drawings shall govern.

1.7 DELIVERY, STORAGE AND HANDLING:

A. Packaged Materials: Deliver packaged materials in original and unopened containers showing weight, certified analysis and name of manufacturer. Protect materials from deterioration during delivery and while stored on site.

B. Bulk Materials

1. Do not dump or store bulk materials near structures, utilities, walkways and pavements, or on existing turf areas or plants.

2. Provide erosion-control measures to prevent erosion or displacement of bulk materials, discharge of soil-bearing water runoff, and airborne dust reaching adjacent properties, water conveyance systems, or walkways.

3. Accompany each delivery of bulk fertilizers[, lime,] and soil amendments with appropriate certificates.

C. Sod: Time delivery so that sod will be placed within twenty-four (24) hours after stripping. Protect sod against drying and breaking of rolled strips.

D. Trees, Shrubs and Ground Cover: Provide freshly dug trees and shrubs. Do not prune prior to delivery. Do not bend or bind-tie trees or shrubs in such manner as to damage bark, break branches or destroy natural shape. Provide protective covering during shipment.

1. Immediately after digging up bare-root stock, pack root system in wet straw, hay, or other suitable material to keep root system moist until planting.

E. Deliver trees, shrubs and ground cover after preparations for planting have been completed and plant immediately. If planting is delayed more than six (6) hours after delivery, set trees, shrubs and ground cover in shade, protect from current and forecasted weather and mechanical damage, and keep roots moist.

1. Set balled stock on ground or in partially excavated hole and cover rootball with soil, peat moss, sawdust or other acceptable material.

2. Do not remove container-grown stock from containers until planting time.

3. Heal-in bare-root stock. Soak roots in water. Do not let roots dry out.

4. Water root systems of plant material stored on-site. Water as often as necessary to maintain root systems in a moist condition.

1.8 PROJECT CONDITIONS:

A. Insurance on plant material and other materials stored or installed is the responsibility of the Contractor. Such insurance shall cover fire, theft, vandalism and other unusual phenomenon. Should the Contractor elect not to provide such insurance, he will in no way hold the Owner responsible for any losses incurred by the aforementioned acts. The Contractor is responsible for all costs incurred in replacing damaged or stolen materials prior to Date of Substantial Completion of the Work.

B. Proceed with and complete landscape work as rapidly as portions of Site become available, working within seasonal limitations for each kind of landscape work required.

C. Existing Grades: Existing grades will be within 0.2 feet of grades shown on the Civil Engineering Drawings when landscape work is to begin. Determine condition of existing grades prior to beginning the Work. When irregular or incomplete grading conditions are encountered, notify the Owner in writing before beginning the Work. Determine location of existing drainage patterns and maintain patterns in completed Work. Perform Work in a manner which will avoid damage to finished grading and drainage patterns. All damage to finished grading and drainage resulting from Work covered in these Contract Documents shall be repaired at the Contractor's expense.

D. Existing Utilities: Determine location of underground utilities. Perform Work in a manner which will avoid possible damage. Excavate as required. Maintain grade stakes set by others unless removal is mutually agreed upon by parties concerned. All damage to utilities resulting from Work covered in these Contract Documents shall be repaired at the Contractor's expense.

E. Existing Conditions: Perform landscape Work in the Tree Protection Zones and in existing or previously completed landscape areas to avoid damage and disturbance to these areas. Limit work in these areas to only that necessary to perform work specified herein and shown on the Drawings. Return and repair any areas damaged or disturbed while performing the Work to the existing conditions encountered prior to the Work.

F. Excavation: When conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions, or obstructions, notify Landscape Architect in writing before planting.

G. Weather Limitations: Proceed with planting when existing and forecasted weather conditions are suitable.

H. Coordination With Turf Areas (Lawns): Plant trees and shrubs after final grades are established and prior to planting of turf, unless otherwise acceptable to Landscape Architect. If planting of trees and shrubs occurs after turf Work, protect turf areas and promptly repair damage to turf areas resulting from plant operations.

1.9 WARRANTY:

A. Warranty for a period of one (1) year (unless directed otherwise by Owner or required by Landscape Bond, following the Date of Substantial Completion, all trees, shrubs, groundcovers, plants and grass against any defects including death and unsatisfactory growth, as determined by the Landscape Architect. Warranty shall include the complete cost to supply and install all replacement plant materials according to the requirements herein. Defects resulting from lack of adequate maintenance, neglect or abuse by the Owner, abuse or damage by others, or unusual phenomenon or incidents beyond the Contractor's control are excepted. Should questions arise concerning the responsibility of replacement, the Landscape Architect will be available for arbitration provided the Owner and Contractor mutually desire.

B. Remove and replace all trees, shrubs, groundcovers and lawn, or other plants found to be more than 25 percent dead or in unhealthy condition during warranty period as determined by Landscape Architect or Owner. Make replacements immediately unless required to plant in the succeeding planting season.

C. Replacements: Match adjacent specimens of same species. Replacements are subject to all requirements stated in the Contract Documents and are subject to observation by the Landscape Architect prior to digging.

D. Repair grades, lawn areas, paving and any other damage resulting from replacement planting operations, at no additional cost to the Owner.

E. Inspect Project site monthly during warranty period to determine what changes, if any, should be made in the maintenance program. Submit all recommended changes in writing to the Landscape Architect and the Owner.

F. Replacements made during the Warranty Period or following the site visit for Final Acceptance will carry an additional one (1) year warranty beginning at the time of replacement.

PART 2 - PRODUCTS

2.1 SOURCE QUALITY CONTROL:

A. General: Only plant material grown in a recognized nursery in accordance with good horticultural practice will be accepted. Provide healthy, vigorous stock free of disease, insects, eggs, larvae, and defects such as knots, sun-scald, injuries, abrasions or disfigurement.

B. Observation of Plant Material Prior to Digging:

1. Contractor must locate all plant material to be supplied for the Project and inform the Landscape Architect in writing of location within thirty (30) days of the date of the Contract or notice to proceed, which ever is first.

2. The Landscape Architect may select and tag the trees required for the Project, at the Contractor's sources. In any event the Landscape Architect shall approve 100 percent of the trees required for the Project.

3 In the event plant material is found to be unacceptable, the Contractor will pursue other sources until acceptable plant material is found, at no additional cost to the Owner. If, due to unacceptable plant material at the Contractor's source, additional tagging trips are required by the Landscape Architect, the Contractor will reimburse the Landscape Architect for his time and travel expenses.

4. Approval at the plant source does not impair the right of the Landscape Architect to observe and reject material at the time of shipping or during progress of the Work.

F. Approval and Selection of Materials and Work: The selection of all materials and the execution of all operations required under the Drawings and Specifications is subject to the approval of the Landscape Architect. The Landscape Architect has the right to reject any and all materials and any and all Work which, in his opinion, does not meet the requirements of the Contract Documents at any stage of the operations. The Contractor shall remove rejected work and/or materials from Project site and replace promptly.

2.2 TOPSOIL:

A. If topsoil has not been stockpiled for re-use in planting soil and other Landscape Work, then Provide new topsoil which is fertile, friable, pervious, sandy loam, surface soil; free of subsoil, clay lumps, brush, weeds and other litter, and free of roots, stumps, stones larger than one and one-half (1½) inches in any dimension, and other extraneous or toxic matter harmful to plant growth.

B. Obtain topsoil from local sources or from areas having similar soil characteristics to that found at Project Site. Obtain topsoil only from naturally, well-drained sites where topsoil occurs in a depth of not less than four (4) inches; do not obtain from bogs or marshes, unless specified.

C. Topsoil: ASTM D 5268 complying with the following composition as determined by the indicated test methods:

1. Deleterious Materials: 2 percent max. by mass; ASTM D 2487. (Rock, gravel, slag, cinder, stone).

2. Organic Material: 5-10 percent min. by mass; ASTM D 2974.

3. Sand Content: 20 - 30 percent by mass.

4. Silt Content: 25 - 35 percent by mass.

5. Clay Content: 15 - 25 percent by mass.

6. pH Range: 5 to 7; ASTM D 4972.

2.3 INORGANIC SOIL AMENDMENTS:

C. Lime: ASTM C 602, Class T, agricultural liming material containing a minimum of 80 percent calcium carbonate equivalent, with a minimum 99 percent passing a No. 8 sieve and a minimum 75 percent passing a No. 60 sieve.

D. Aggregate Soil Conditioner: Rotary kiln expanded slate specially graded for use as a horticultural soil conditioner with the following composition as determined by the indicated test methods:

1. Dry Loose Unit Weight: 48-55 lbs/cu.ft.; ASTM C 29.

2. Specific Gravity: To meet 1.45 to 1.60 dry bulk; ASTM C 127.

3. Gradation: 3/8-inch to No. 8; ASTM C 330 with 100 percent passing the 3/4-inch sieve.

4. Absorption: Five percent or more; ASTM C 127.

5. LA Abrasion: Weight loss between 20 percent and 30 percent; AASHTO T 96.

6. Chemical Characteristic:

a. pH: 6.5 to 10 range.

b. Soluble salts: To meet horticultural rural range of 0.75 to 3.5 mmhos/cm.

7. Process the slate using only non-hazardous fuels such as coal or natural gas.

8. The expanded slate shall be free of clay lumps and organic impurities.

9. Obtain aggregate soil conditioner from a single supplier.

10. Available Products: Subject to compliance with the requirements, aggregate soil conditioners that may be incorporated in the Work includes, but is not limited to the following:

a. Acceptable Supplier and Products:

1) Supplier: Caroline Stalite Company

a) Product: 5/16-inch Perma Till

C. Coarse Sand: Clean, washed, natural or manufactured sand, free of extraneous or toxic matter with the following grain size distribution or coarser; ASTM C136.

Sieve Size / % Passing

.5 in./ 100.0 .375 in./ 98.0 #4/ 98.0 #10/ 93.0 #20/ 21.0 #60/ 1.0 #140/ 0.5 #200/ 0.5

2.5 PLANTING SOIL:

A. Planting Soil Mix For On-Grade Plantings: Provide soil mix consisting of existing surface soil amended with a completely decomposed and manufactured natural organic soil amendment in not less than the following quantities.

1. Existing surface soil by volume: 40 percent.

2. Manufactured soil amendment by volume: 60 percent.

3. Commercial fertilizer as recommended in soil report.

4. Acceptable soil amendment manufacturers and products:

a. Manufacturer: ERTH Products, LLC.

1) Product: Total Landscape Planting Mix.

b. Manufacturer: It Saul Natural, LLC.

1) Product: Mr. Natural CLM.

B. Planting Soil Mix for Annual Color and Perennial Plantings: Provide manufacturer's pre-mixed soil mix.

1. Acceptable Manufacturer and Product:

a. Manufacturer: It Saul Natural, LLC.

1) Product: Mr. Natural CLM

2.6 PLANT MATERIALS:

1. Provide plants true to species and variety, complying with recommendations of ANSI Z60.1 "American Standard for Nursery Stock". Nomenclature to comply with "National List of Scientific Plant Names."

2. Specific requirements concerning plant material and the manner in which it is to be supplied are shown on the Drawings and plant list.

3. Plant material indicated as pre-tagged and pre-purchased on the Drawings has been selected and purchased for the Project by the Owner at the nursery indicated. Contractor shall be responsible for the total installation of the material including freight, labor, profit, complete warranty and replacement, and all items specified herein and as indicated on the Drawings.

4. Acclimatization: Plants must have grown under climatic conditions similar to those of the locality of the project site for a minimum of two (2) years immediately prior to being planted on the Project.

CONTINUED ON SHEETL2.3

VIRIDIAN studios
LANDSCAPE ARCHITECTS

LANDSCAPE ARCHITECTURE

PO BOX 870136
STONE MOUNTAIN, GA 30087
P: 404-780-2170
W: Viridianstudiosatl.com

REVISIONS

NO.	DATE	ISSUE
1		
2		
3		
4		
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8		

PROJECT NAME

SHAMROCK PARK PAVILION

PROJECT ADDRESS

960 SENOIA ROAD
TYRONE, GA

PARCEL ID: 0738104
LAND LOT 139 OF THE 7TH DISTRICT
FAYETTE COUNTY
TOWN OF TYRONE, GA

OWNER

TOWN OF TYRONE

SHEET TITLE

LANDSCAPE SPECIFICATIONS

DATE 04/08/2025

PROJ. NO. 2024026

PROFESSIONAL SEAL

GEORGIA REGISTERED LANDSCAPE ARCHITECT No. LA001518 JILL ELIZABETH KELLEHER

SHEET

L2.2

100% CONSTRUCTION DOCUMENT SUBMITTAL

CONTINUED ON SHEET L2.2

Quality and Size:

1. Furnish nursery grown plants, freshly dug, normally shaped and well branched, fully foliaged when in leaf and with healthy well developed root systems. Plants to be free of disease, insect infestations or their eggs and larvae, and defects such as knots, sun scald, injuries, abrasions and disfigurement.

2. Furnish plants to match as closely as possible whenever symmetry is called for.

3. Provide trees and shrubs of sizes shown or specified. Trees and shrubs of larger size may be used if acceptable to the Landscape Architect, and if sizes of roots or rootballs are increased proportionately. The increased size will not result in additional cost to the Owner.

4. Stock Specified in a Size Range: Within each size range not less than 50 percent the plants must be of the maximum size specified.

5. Balled and Burlapped Plants: Plants designated "B&B" are to have firm, natural balls of soil corresponding to sizes specified in ANSI Z60.1 "American Standard for Nursery Stock". Balls to be firmly wrapped in biodegradable burlap and securely tied with biodegradable heavy twine, rope and/or wire baskets. Plants with loose, broken or manufactured rootballs will be rejected. Rootballs shall be lifted from the bottom only, not by stems or trunks.

2.7 MISCELLANEOUS LANDSCAPE MATERIALS:

A. Burlap for wrapping earthball shall be biodegradable jute mesh not less than 7.2 oz. per square yard. Wrapping materials made from man made fibers are unacceptable.

B. Guy Stakes, Upright Stakes, and Deadmen: Grade No. 2 or better, uniform grade pressure preservative treated pine AWPA C-2, or sound new hardwood or redwood free of knots, holes and other defects, two (2) by two (2) inches by thirty (30) inches long, pointed at one end.

C. Guy Anchors: No. 4 rebars or comparable size steel stakes, three (3) feet in length.

D. Arbortape: generic name; rot resistant, flat woven polypropylene or similar material, 3/4 inch wide min., 900 lb break strength min., resistant to degradation by the sun, cold weather, chemicals and contact with soil.

1. Color: Green/Olive

E. Hose: One half (1/2) inch diameter black reinforced rubber or plastic garden hose. Cut to required lengths to protect tree trunks from damage by wires. Used hose is acceptable.

F. General:

G. Water and water transportation is the sole responsibility of the Contractor.

H. Mulch:

1. Pinestraw: Pine needle mulch predominately composed of Longleaf Pine needles and other long needled Southern Yellow Pine species. Clean, fresh, dark brown, and free of branches, cones, foreign matter, insects and disease.

I. Drain Pipe and Fittings: Corrugated perforated polyethylene drain tubing, black, meeting ASTM F 405.

3.1 PREPARATION:

A. General:

1. Contractor shall examine conditions under which planting is to be installed, review applicable architectural and engineering Drawings, and be familiar with alignment of underground utilities before digging.

2. Planting Time: Planting operations are to be performed at such times of the year as the job may require, with the stipulation that the Contractor guarantees the plant material as specified. Plant only during periods when weather conditions are suitable.

3. Verify layout information shown on the Drawings, in relation to property survey and existing bench marks before proceeding to layout the work. Locate and protect existing benchmarks and control points. Preserve reference points (coordinates) shown on the Drawings during construction.

4. Work from lines established by the property survey, established bench marks and markers to set coordinate points for the tree locations on the Project. Calculate and measure required dimensions. Do not scale Drawings to determine dimensions.

5. Tree Locations: Locate and layout tree (coordinate) locations by instrumentation and similar appropriate means.

6. Layout individual tree and shrub locations and areas for multiple plantings. Stake locations and outline areas and secure Landscape Architect's acceptance before start of excavation for planting work. Make adjustments as requested.

7. Notify Landscape Architect of adverse sub-surface drainage or soil conditions. State conditions and submit a recommendation for correction including costs. Obtain approval for method of correction prior to continuing Work in the affected area. In the event that alternate locations are selected, the Contractor shall prepare such areas at no additional expense to the Owner.

B. Excavation for Trees and Specimen Shrubs:

1. Excavate pits, beds and trenches with vertical sides, as specified and as shown on the Drawings.

2. Loosen hardpan and moisture barrier until hardpan has been broken and moisture is allowed to drain freely.

3. For balled and burlapped (B&B trees and shrubs), make excavations at least four (4) feet wider than the ball diameter for the top twelve (12) inches of the pit. For the remaining depth of the pit, excavate at least two (2) feet wider than the full diameter and equal to the ball depth, plus an allowance for setting of ball on a layer of compacted backfill. Allow for six (6) inch minimum setting layer of excavated soil.

4. For container grown stock, excavate as specified for balled and burlapped stock, adjusted to size of container width and depth.

C. Test Drainage:

1. Tree and Specimen Shrub Pits: Fill each pit with water. If percolation is less than 100 percent within a period of twelve (12) hours, drill a ten (10) inch diameter auger hole to a depth up to five (5) feet below the bottom of the pit. Fill auger hole with drainage gravel and cover with filter fabric. Retest pit. In case drainage is still unsatisfactory, notify Landscape Architect, in writing, of the condition before planting trees in the questionable areas. Contractor is fully responsible for warranty of the plant material.

D. Subsoil Removal:

1. Dispose of subsoil removed from landscape excavations at an off-site location. Do not mix with planting soil. Do not use as backfill.

3.2 PREPARATION OF PLANTING SOIL:

A. Before mixing, clean topsoil, or existing surface soil if using a soil conditioner, of roots, plants, clods, stones, clay lumps, and other extraneous materials harmful or toxic to plant growth.

B. Mix specified soil amendments and fertilizers with topsoil, or soil conditioner with existing surface soil at rates specified. Delay mixing of fertilizer if planting will not follow placing of planting soil within a few days.

C. For pit and trench type backfill, mix planting soil prior to backfilling and keep covered until used.

D. For planting soil prepared with a manufactured soil conditioner, mix planting soil in large batches before backfilling, stock pile for use at site and keep covered until used. Do not mix soil conditioner at individual planting sites.

E. For groundcover and shrub beds, mix planting soil either prior to planting or apply on a surface layer over prepared bed area and mix both thoroughly in the bed before planting.

3.3 PREPARATION OF SHRUB AND GROUNDCOVER PLANTING BEDS:

A. Layout planting beds on the ground to the lines shown on the Drawings. Have layout approved by Landscape Architect prior to constructing the bed.

B. Outline bed with a trench edge as shown on the Drawings. Place soil for trench edge within bed area.

C. Loosen existing soil to a minimum depth of twelve (12) inches using a roto tiller or similar equipment. Remove all sticks, stones, rubbish and other material detrimental to plant growth.

D. Spread four (4) inch minimum layer of planting soil mix over entire bed area. (Additional soil mix may be necessary to build up shrub beds to grade as shown on the Drawings.) Work planting soil mix into top of loosened soil with roto tiller.

E. Smooth planting areas to conform to specified grades after settlement has occurred. Slope surface of shrub beds to drain toward the trench edge.

F. Mass preparation of beds is not applicable for areas exceeding 4:1 slope.

3.4 PREPARATION OF ANNUAL COLOR AND PERENNIAL BEDS:

A. Excavate bed to a depth of four (4) inches, break through 'hard pan' and remove all stone, roots, debris, etc. Remove excavated soil.

B. Roto till excavated bed to a depth of six to eight (6-8) inches.

C. Slope the base of the bed to the trench edge.

D. Spread six (6) inch minimum layer of planting soil mix over entire bed. Work planting soil mix into top of loosened soil with roto tiller.

E. Place additional planting soil mix to build up bed a minimum of six (6) inches above existing grade for annual color beds and four (4) inches above existing grade for perennial beds. Roto till entire bed to a depth of twelve (12) inches.

3.5 PREPARATION FOR PLANTING LAWNS:

A. Loosen the grade of lawn areas to a minimum depth of six (6) inches. Remove stones over one and one-half (1½) inches in any dimension and sticks, roots, rubbish and other extraneous matter. Limit preparation to areas which will be planted promptly after preparation.

B. Place approximately one-half (1/2) of total amount of topsoil required. Work into top of loosened subgrade to create a transition layer and then place remainder of topsoil mixture to minimum depth required to meet lines, grades and elevations shown, after light rolling and natural settlement. (Insert Paragraph if included in scope and coordinate with Alternate No. 2 & 3).

C. Allow for sod thickness in areas to be sodded.

D. Grade lawn areas to smooth, even surface with loose, uniformly fine texture. Roll and rake, remove ridges and fill depressions as required to meet finish grades. Limit fine grading to areas which can be planted immediately after grading.

E. Fertilize and lime prior to start of grassing operation. Apply ground limestone at the rate recommended by soil test analysis and work into top six (6) inches of soil. Apply fertilizer at the recommended rate; work into top two (2) inches of soil. The fertilizer application shall not precede the placement of sod by more than three (3) days.

F. Moisten prepared lawn areas before planting if soil is dry. Water thoroughly and allow surface moisture to dry before planting lawns. Do not create a muddy soil condition.

G. Restore lawn areas to specified condition if eroded or otherwise disturbed after fine grading and prior to planting.

H. Preparation of Unchanged Grades: Where lawns are to be planted in areas that have not been altered or disturbed by excavating, grading, or stripping operations, prepare soil for lawn planting as follows: Till to a depth of not less than six (6) inches; apply soil amendments and

initial fertilizers as specified; remove high areas and fill in depressions; till soil to a homogenous mixture of fine texture, free of lumps, clots, stones, roots and other extraneous matter. Prior to preparation of unchanged areas, remove existing grass, vegetation and turf. Dispose of such material outside of Owner's property; do not turn over into soil being prepared for lawns.

3.6 PLANTING TREES AND SPECIMEN SHRUBS:

A. Set balled and burlapped (B&B) stock on layer of compacted excavated existing soil, plumb and in center of pit or trench with top of ball two to three (2-3) inches above the finish grade and also two to three (2-3) inches above the grade they bore to natural grade before transplanting. Remove all straps and ropes made of man-made fibers completely from rootball. Loosen and remove burlap and biodegradable ropes from top half of rootball. Cut and remove the top half of all wire baskets before backfilling. Use planting soil mixture to backfill plant pits. When plants are set, place additional backfill around base and sides of ball, and work each layer to settle backfill and eliminate voids and air pockets. When excavation is approximately two thirds (2/3) full, water thoroughly before placing remainder of backfill. Repeat watering until no more is absorbed. Water again after placing final layer of backfill.

B. Remove all man made or impervious materials from the rootball and trunk before final installation of trees and specimen shrubs.

C. Set container grown stock as specified for balled and burlapped stock, except remove containers, without damaging rootballs, prior to backfilling.

D. Apply anti-desiccant using power spray to provide an adequate film over trunks, branches, stems, twigs and foliage. If deciduous trees or shrubs are moved in full leaf, spray with anti-desiccant at nursery before moving and again after planting as per manufacturer's recommendations.

E. Mulching: Immediately after planting work has been completed, mulch pits, trenches and planting beds. Provide mulch as specified on Drawings. Finish edges according to the Drawings.

F. Water: Soak all plants immediately after planting, continue watering thereafter as necessary until Date of Substantial Completion.

G. Smooth planting areas to conform to specified grades after full settlement has occurred and mulch has been applied.

3.7 STAKING, GUYING AND PRUNING:

A. Stake and guy trees immediately after planting. Plants shall be plumb after staking or guying. Maintain stakes, wires and guys until Final Acceptance of the Work.

B. Staking trees of one (1) inch caliper and under or four (4) feet height: Use single stake with rubber hose and wire loop around trunk. Use only wooden stakes as specified.

C. Staking trees of one (1) inch caliper and up to two and three quarters (2-3/4) inch caliper: Drive two stakes, 180 degrees to each other, securely into ground and fasten to tree with wire and tie. Use hose around wire so wire is not in contact with plant, or use Cinch-tie of appropriate size. Adhere to staking details unless alternate detail has been approved by Landscape Architect prior to beginning of planting operation.

D. Guying trees of three (3) inch caliper and larger: Position guys around trunk at approximately two-fifths (2/5) the height of the tree. Anchor guys in ground either to notched stakes or steel rods driven securely into ground with top end three (3) inches below finish grade.

E. Pruning: Unless otherwise directed by the Landscape Architect do not cut tree leaders. Remove only injured or dead branches from trees, if any. Prune shrubs at the direction of the Landscape Architect.

F. Remove and replace promptly any plants pruned or mis-formed resulting from improper pruning.

G. Inspect tree trunks for injury, improper pruning and insect infestation and take corrective measures.

3.8 PLANTING SHRUB AND GROUNDCOVER BEDS:

A. Excavate large enough area in loosened soil to install specified container grown plants.

B. Remove containers without damaging the rootball and set in excavated hole. If the plants are root bound, gently pull roots apart by hand to loosen up the rootball.

C. Place container grown plant in excavated hole with top of rootball even with final shrub bed elevation.

D. Backfill rootball with soil from the bed and lightly compact soil around plant to eliminate voids and air pockets.

E. Mulching: Immediately after planting mulch planting beds with a minimum depth as indicated on Drawings. Finish edges according to the Drawings. Remove all mulch from foliage of plants.

F. Watering: Soak entire area immediately after planting. Continue watering thereafter as necessary until Date of Substantial Completion.

3.9 INSTALLING LAWNS:

A. Sodding New Lawns:

1. Water soil prior to receiving sod. At the time of sod placement soil must be moist but not saturated.

2. Lay sod within twenty-four (24) hours from time of stripping. If not possible, sod may be stored on site up to thirty-six (36) hours after stripping provided sod is properly protected: unstack, unroll and place in shade and keep moist until installation.

3. Do not plant dormant sod.

4. Do not plant sod on frozen ground.

5. Lay sod to form a solid mass with tightly fitted joints. Snugly fit ends and sides of sod strips; do not overlap. Stagger strips to offset joints in adjacent courses. Work from boards to avoid damage to subgrade or sod. Tamp or roll lightly to ensure contact with subgrade. Work sifted soil into minor cracks between pieces of sod; remove excess to avoid smothering of adjacent grass.

6. Anchor sod with wood pegs to prevent slippage on slopes equal to or greater than 3:1 and wherever erosion can be anticipated. Lay sod perpendicular to slope direction, with staggered joints.

7. Water sod thoroughly with a fine spray immediately after planting until soil is damp to a depth of four (4) inches. If rainfall is insufficient, keep sodded area moist until grass has securely rooted into the planting area.

3.10 MAINTENANCE:

A. Begin maintenance immediately after planting.

B. Maintain trees, shrubs lawns, and other plants until Date of Substantial Completion of the Work.

C. Maintain trees, shrubs, lawns and other plants by watering, pruning, cultivating, weeding, and re-mulching as required for healthy growth. Restore trench edges around mulch rings and along bed limes. Tighten and repair stake and guy supports and reset trees and shrubs to proper grades or vertical position as required. Restore or replace damaged wrappings. Spray as required to keep trees and shrubs free of insects and disease.

D. Maintain lawns by watering, weeding, mowing, repair of eroded areas and re-seeding or re-sodding as necessary to establish a uniform stand of the specified grasses.

E. Remove all trees, shrubs, ground covers, lawn or other plants which die, turn brown and/or defoliate prior to Date of Substantial Completion from the site. Replace immediately with plant material of the same species, quantity, size and meeting all requirements.

3.11 CLEAN UP AND PROTECTION:

A. During Landscape Work, keep pavements clean and work area in an orderly condition.

B. Upon completion of Work, clear grounds of debris, superfluous materials and all equipment. Remove from site to satisfaction of Landscape Architect and Owner.

C. Protect landscape Work and materials from damage due to landscape operations, operations by other contractors and trades and trespassers. Maintain protection during installation and maintenance periods. Treat, repair or replace damaged landscape Work as directed, at no additional cost to the Owner.

3.12 OBSERVATION AND ACCEPTANCE:

A. Periodic site visits will be made by the Landscape Architect to review the quality and progress of the Work. Work found to be unacceptable must be corrected within five (5) calendar days. Remove rejected plants and materials promptly from the Project.

B. Upon completion of Work, the Contractor shall notify the Landscape Architect and the Owner at least ten (10) days prior to requested date of site visit for Substantial Completion of all or portions of the Work. Landscape Architect will issue a punch list for work to be corrected. All work on the punch list must be completed within five (5) working days from date of site visit. Where Work does not comply with requirements, replace rejected Work and continue specified maintenance until by Landscape Architect finds work to be acceptable.

C. If a site visit to verify Substantial Completion has been scheduled and the Landscape Architect arrives at the site and determines that the Landscape Development is not substantially complete, the Contractor shall be responsible for all costs incurred by the Landscape Architect to re-visit the site. Reimbursable expenses include but are not limited to the following: mileage, airfare, consultant's time, parking fee, meals, rental car, etc. All incurred expenses will be deducted from the final contract amount.

D. Certificate of Substantial Completion will be issued for acceptable Work. If punch list items are issued with the Certificate, they must be corrected within five (5) working days.

E. Warranty commences on the date of issuance of the Certificate of Substantial Completion.

F. Final Acceptance: One (1) year after Date of Substantial Completion of the Work in total the Landscape Architect and/or the Owner will visit the site to determine Final Acceptance. Upon satisfactory completion of repairs and/or replacements the Landscape Architect and/or the Owner will certify, in writing, the Final Acceptance of the Work. The Final Acceptance letter will serve as evidence that the Contractor's one (1) year warranty obligations have been met.

END OF SECTION

SECTION 31 1000 - SITE PREPARATION

PART 1 - GENERAL

1.1 WORK INCLUDED

A. This section covers site work layout, protection of existing items to remain, site clearing and grubbing.

B. Site Conditions: Contractor shall visit the site, familiarize himself with actual conditions, and verify existing conditions in the field.

1.2 LAYOUT WORK

A. Layout work shall be done under supervision of a registered professional or person familiar with construction layout work.

1.3 TREE SAVE

A. Contractor shall make every effort possible to save existing trees. The Contractor shall limit his clearing operations and equipment movement to within the "Limits of Work" and shall not disturb the existing terrain or trees outside the work area.

1.4 MAINTENANCE

A. Maintain carefully all benchmarks, monuments and other reference points. If disturbed or destroyed, replace as directed. If found at variance with drawings, notify Owner's Representative before proceeding with layout work.

1.5 JOB CONDITIONS

A. Locate storage sheds, temporary office, and stockpile topsoil so as to best advance progress of work, and as approved by the Owner's Representative.

1.6 PUBLIC SAFETY

A. Provide all safety fence barricades guards, lights and other installations required to protect persons and property during this part of the work. This shall be in addition to such protection required elsewhere in this specification.

B. All work and storage areas shall be secured with temporary plastic safety fencing Contractor shall maintain plastic safety fencing daily to assure a complete barrier.

1.7 UTILITIES PROTECTION LAW (DIG LAW)

A. Comply with Georgia Utilities Protection Law. Notice must be given to the Utilities Protection Center; 800-282-7411 three (3) working days preceding the day the work (digging) is to begin. This notice must contain County (where project is located), Town (or closest City or Town), location (street address), type of work to be done, name of Contractor, company name and address, telephone number, which company/individual (the work is being done for), date and time the Contractor is planning to dig.

PART 2 - MATERIALS

2.1 ENGINEERING EQUIPMENT

A. Surveyor's transit and measuring devices properly calibrated to accurately lay out the work shall be used.

2.2 OTHER LAYOUT EQUIPMENT

A. Provide stakes and batter boards of size and quality commensurate with function. Use wire or non-stretching cord to establish reference lines for site clearing and grading.

2.3 PROTECTION MATERIALS

A. Materials for protection of trees and other existing work remaining shall be treated wood and/or exterior plywood of size, strength, and extent to provide protection of existing work remaining.

PART 3 - EXECUTION

3.1 LAYOUT

A. Before the work is started, the Contractor shall stake out the entire control lines of work and establish bench marks and reference points. This work shall be examined by the

CONTINUED ON SHEET L2.4

VIRIDIAN studios
LANDSCAPE ARCHITECTS

LANDSCAPE ARCHITECTURE

PO BOX 870136
STONE MOUNTAIN, GA 30087
P: 404-780-2170
W: Viridianstudiosatl.com

REVISIONS

NO.	DATE	ISSUE
1		
2		
3		
4		
5		
6		
7		
8		

PROJECT NAME

SHAMROCK PARK PAVILION

PROJECT ADDRESS

960 SENOIA ROAD
TYRONE, GA

PARCEL ID: 0738104
LAND LOT 139 OF THE 7TH DISTRICT
FAYETTE COUNTY
TOWN OF TYRONE, GA

OWNER

TOWN OF TYRONE

SHEET TITLE

LANDSCAPE SPECIFICATIONS

DATE 04/08/2025

PROJ. NO. 2024026

PROFESSIONAL SEAL

GEORGIA REGISTERED No. LA001518 LANDSCAPE ARCHITECT JILL ELIZABETH KELLEHER

SHEET

L2.3

100% CONSTRUCTION DOCUMENT SUBMITTAL

CONTINUED ON SHEET L2.3

Owner's Representative, and on his approval the Contractor shall complete the staking.

B. The Contractor shall be responsible for all grade stakes and line stakes during the grading and filling operations, resetting all grade stakes and line stakes destroyed.

C. Contractor shall verify all benchmarks, property corners and property lines (bearings and distances) prior to construction. Contractor shall stake all property corners and all property lines every 50' with 2"x2"x4' long stakes. Stakes shall be labeled property line and marked with red flagging.

3.2 CLEARING

A. Clear all areas to be graded of debris and extraneous materials.

B. Clearing consists of the removal from the general construction areas and proper disposal of all trees, brush, stumps, logs, grass, weeds, roots, decayed vegetable matter, refuse dumps, and all other objectionable matter resting on the original ground surface or appearing or being placed on these areas at any time before final acceptance of the work, except as provided for elsewhere.

C. This item also includes the removal and proper disposal of any obstructions not to be salvaged, such as fences and poles, and incidental structures within the construction area which might interfere with construction.

3.3 GRUBBING

A. Grubbing shall include the removal and proper disposal of all stumps, roots, and other vegetation or perishable matter that exists below the original ground surface. All sound, unsound or decayed stumps shall be removed to a depth of two (2) feet below the original ground.

3.4 REMOVAL OF MATERIALS

A. The removal and disposal of all cleared and grubbed materials shall be the responsibility of the Contractor. All matter shall be removed from the site. Material that is removed from the site shall be disposed of at a location that is approved by the Owner's Representative. No material of clearing and grubbing operations shall be pushed or placed in areas that are not to be cleared.

B. Contractor shall be responsible for complying with all local ordinances and obtaining the necessary permits for disposing of trees, stumps, and other debris.

END OF SECTION

SECTION 32 13 16 - EXPOSED AGGREGATE CONCRETE FINISHING

Revise this Section by deleting and inserting text to meet Project-specific requirements.

MasterSpec includes provisions for LEED v4, LEED v4.1, IgCC/ASHRAE 189.1, and Green Globes.

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Application of spray applied horizontal surface retarder.

1.02 RELATED SECTIONS

A. Section 32 13 13 - Concrete Paving

1.03 SUBMITTALS

A. Comply with Section 01 33 00 - Submittal Procedures.

B. Submit manufacturer's product data and application instructions.

1.04 QUALITY ASSURANCE

A. Prove a 5'x5' Mock-up under exact job conditions to demonstrate surface finish, color variations, and to determine a level of workmanship.

B. Conduct a test patch if using concrete admixtures which will affect the setting time of the concrete.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Store materials in a clean, dry area in accordance with manufacturer's instructions.

C. Keep product from freezing.

D. Avoid direct contact with this product as it may cause mild-to-moderate irritation of the eyes and/or skin.

E. Protect materials during handling and application to prevent damage or contamination.

F. Do not use concrete curing compounds.

G. Do not use on concrete containing calcium chloride or other set accelerators.

1.06 ENVIRONMENTAL REQUIREMENTS

A. Do not apply product when air, surface, or material temperatures are expected to fall below 40^{0}F (4^{O}C) within four hours of expected application.

B. Do not apply to frozen concrete.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. SIKA

2.02 MATERIALS

A. Horizontal Concrete Surface Retarder: spray-applied, water-soluble material designed to slow the set of the cement at the top surface of the concrete.

B. FORMULATION BY MANUFACTURER

SIKA: LITHOTEX

C. Aggregate type, size, color and exposure as indicated on drawings.

PART 3 EXECUTION

3.01 EXAMINATION

C. Examine surfaces to receive surface retarder. Notify Design Professional if surfaces are not acceptable.

D. Do not begin surface preparation or application until unacceptable conditions have been corrected.

3.02 APPLICATION

A. Protect adjacent surfaces not designated to have surface retarder applied.

B. Spray apply surface retarder at a rate as recommended by manufacturer and formulation immediately after placing and screeding, or as soon as bleed water has disappeared.

C. Apply only after all finishing operations are complete.

D. Avoid puddles and over spraying.

E. Cover concrete with wet burlap or plastic sheeting to prevent drying out.

F. Secure the edges of the plastic sheeting to prevent ballooning.

G. Periodically check concrete to determine depth of retarded mortar, making sure concrete hardens.

H. Within 12-24 hours of application, remove burlap or plastic sheeting one section at a time.

I. Wash an area of the retarded surface mortar using a low-pressure garden hose and stiff broom.

J. Test this area to determine if depth of retarded mortar is at desired level. If the depth is greater than desired, allow the slab to cure longer before exposing the aggregate.

3.04 PROTECTION

A. Ensure surface moisture has disappeared and apply a concrete sealing compound as recommended by manufacturer.

END OF SECTION

SECTION 033300 - CAST IN PLACE ARCHITECTURAL CONCRETE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Cast-in-place architectural concrete, including form facings, reinforcement accessories, concrete materials, concrete mixtures, concrete placement, and concrete finishes.

2. Requirements in Section 033000 "Cast-in-Place Concrete" apply to this Section.

1.3 DEFINITIONS

A. Aggregate Exposure: Projection of coarse aggregate from matrix or mortar after completion of exposure operations.

B. Cast-in-Place Architectural Concrete: Concrete that is exposed to view, is designated as architectural concrete, and that requires special concrete materials, formwork, placement, or finishes to obtain specified architectural appearance.

C. Cementitious Materials: Portland cement alone or in combination with one or more of the following: blended hydraulic cement, fly ash, slag cement, other pozzolans, and silica fume or metakaolin; materials subject to compliance with requirements.

D. Design Reference Sample: Sample designated by Architect in the Contract Documents that reflects acceptable surface quality and appearance of cast-in-place architectural concrete.

E. w/cm: The ratio by mass of water to that of cementitious materials.

1.4 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1. Require representatives of each entity directly concerned with cast-in-place architectural concrete to attend, including the following:

a. Contractor's superintendent.

b. Independent testing agency responsible for concrete design mixtures.

c. Ready-mixed concrete manufacturer.

d. Cast-in-place architectural concrete Subcontractor.

2. Review the following:

a. Special inspection and testing and inspecting agency procedures for field quality control.

b. Construction joints, control joints, isolation joints, and joint-filler strips.

c. Reinforcement accessory installation.

d. Cold- and hot-weather concreting procedures.

e. Concrete finishes and finishing.

f. Curing procedures.

g. Forms and form-removal limitations.

h. Shoring and reshoring procedures.

i. Concrete repair procedures.

j. Protection of cast-in-place architectural concrete.

k. Initial curing and field curing of field test cylinders (ASTM C31/C31M).

l. Protection of field-cured field test cylinders.

1.5 ACTION SUBMITTALS

A. Product Data: For each of the following:

1. Form-facing panels.

2. Form liners.

3. Form joint tape.

4. Form joint sealant.

5. Wood sealer.

6. Form-release agent.

7. Surface retarder.

8. Form ties.

9. Bar supports.

10. Portland cement.

11. Fly ash.

12. Slag cement.

13. Blended hydraulic cement.

14. Silica fume.

15. Performance-based hydraulic cement.

16. Aggregates.

17. Admixtures:

a. Include limitations of use, including restrictions on cementitious materials, supplementary cementitious materials, air entrainment, aggregates, temperature at time of concrete placement, relative humidity at time of concrete placement, curing conditions, and use of other admixtures.

18. Color pigments.

19. Repair materials.

B. Sustainable Design Submittals:

1. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.

2. Product Certificates: For regional materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project and cost for each regional material.

3. Environmental Product Declaration: For each product.

4. Health Product Declaration: For each product.

5. Sourcing of Raw Materials: Corporate sustainability report for each manufacturer.

6. Product Certificates: For indigenous materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project, means of transportation, and cost for each indigenous material.

7. Environmental Product Declaration: For each product.

8. Product Certificates: For regional materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project, means of transportation, and cost for each regional material.

C. Design Mixtures: For each concrete mixture, include the following:

1. Mixture identification.

2. Minimum 28-day compressive strength.

3. Durability exposure class.

4. Maximum w/cm.

5. Calculated equilibrium unit weight, for lightweight concrete.

6. Slump limit.

7. Air content.

8. Nominal maximum aggregate size.

9. Steel-fiber reinforcement content.

10. Synthetic microfiber content.

11. Amounts of mixing water to be withheld for later addition at Project site if permitted.

12. Intended placement method.

13. Alternative design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.

D. Shop Drawings:

1. Formwork: Prepared by, and signed and sealed by, a qualified professional engineer responsible for their preparation, detailing fabrication, assembly, and support of forms.

a. Show formwork construction, including form-liner layout, form-liner termination details, dimensioned locations of form-facing material joints, rustications, construction and contraction joints, form joint-sealant details, form-tie locations and patterns, inserts and embedments, cutouts, cleanout panels, and other items that visually affect cast-in-place architectural concrete.

1) Included separate layout for formwork used in mockups.

2) Indicate proposed schedule and sequence of stripping of forms, shoring removal, and reshoring installation and removal.

3) Location of construction joints is subject to approval of Architect.

E. Samples: For each of the following materials:

1. Form-facing panels.

2. Manufacturer's standard colors for color pigment.

3. Exposed aggregates.

F. Samples for Verification: Architectural concrete Samples, cast vertically, approximately 12 by 12 by 2 inches (450 by 450 by 50 mm), of finishes, colors, and textures to match design reference sample. Include Sample sets showing the full range of variations expected in these characteristics.

G. Concrete Schedule: For each location of each Class of concrete indicated in "Concrete Mixtures" Article, including the following:

1. Concrete Class designation.

2. Location within Project.

3. Exposure Class designation.

4. Formed Surface Finish designation and final finish.

5. Curing process.

H. Placement Schedule: Submit before start of placement operations.

1.6 INFORMATIONAL SUBMITTALS

A. Qualification Data: For the following:

1. Installer: Include copies of applicable ACI certificates.

2. Ready-mixed concrete manufacturer.

B. Material Certificates: For each of the following:

1. Cementitious materials.

2. Admixtures.

3. Form materials and form-release agents.

4. Repair materials.

C. Material Test Reports: For the following, by a qualified testing agency:

1. Portland cement.

2. Fly ash.

3. Slag cement.

4. Blended hydraulic cement.

5. Silica fume.

6. Performance-based hydraulic cement.

7. Aggregates

D. Research Reports: For concrete admixtures in accordance with ICC AC198.

E. Preconstruction Test Reports: For each mix design.

F. Concrete Repair: Submit a written, detailed description of materials, methods, equipment, and sequence of operations to be used for repairing architectural concrete, including protection of surrounding materials and Project site.

1. If materials and methods other than those indicated are proposed for any repairs to architectural concrete, add a written description of such materials and methods, including evidence of successful use on comparable projects, and demonstrations to show their effectiveness for this Project and Installer's ability to use such materials and methods properly.

G. Minutes of preinstallation conference.

1.7 QUALITY ASSURANCE

A. Ready-Mixed Concrete Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C94/C94M requirements for production facilities and equipment.

1. Manufacturer certified in accordance with NRMCA's "Certification of Ready Mixed Concrete Production Facilities."

B. Installer Qualifications: An experienced cast-in-place architectural concrete installer, as evidenced by not less than five consecutive years' experience, specializing in installing cast-in-place architectural concrete similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

1. Provide written evidence of qualifications and experience.

2. Include locations, descriptions, and photographs of completed projects, including name of architect, substantiating the quality of the installer's experience.

C. Laboratory Testing Agency Qualifications: A testing agency qualified in accordance with ASTM C1077 and ASTM E329 for testing indicated and employing an ACI-certified Concrete Quality Technical Manager.

1. Personnel performing laboratory tests shall be an ACI-certified Concrete Strength Testing Technician and Concrete Laboratory Testing Technician, Level I.

2. Testing agency laboratory supervisor shall be an ACI-certified Concrete Laboratory Testing Technician, Level II.

D. Mockups: Before casting architectural concrete, build mockups, using the same procedures, equipment, materials, finishing procedures, and curing procedures that will be used for producing architectural concrete, to verify selections made under Sample submittals and to demonstrate typical joints, surface finish, color, texture, tolerances, and standard of workmanship. Build mockups to comply with the following requirements, using materials indicated for the completed Work:

1. Build mockups in the location and of the size indicated or, if not indicated, as directed by Architect.

2. Build mockups of typical wall of cast-in-place architectural concrete as indicated on Drawings, including vertical and horizontal rustication joints, and any sculptured features.

3. Construct mockups to include at least two lifts having heights equal to those anticipated for construction.

4. Demonstrate curing, cleaning, and protecting of cast-in-place architectural concrete, finishes, and contraction joints, as applicable.

5. In presence of Architect, damage part of the exposed-face surface for each finish, color, and texture, and demonstrate materials and techniques proposed for repair to match adjacent undamaged surfaces.

6. In presence of Architect, demonstrate materials and techniques proposed for repair of tie holes and surface blemishes to match adjacent undamaged surfaces.

7. Obtain Architect's approval of mockups before casting architectural concrete.

1.8 PRECONSTRUCTION TESTING

A. Preconstruction Testing Service: Engage a qualified testing agency to perform preconstruction testing on concrete mixtures.

1. Include the following information in each test report:

a. Admixture dosage rates.

b. Slump.

c. Air content.

CONTINUED ON SHEET L2.5

VIRIDIAN studios
LANDSCAPE ARCHITECTS

LANDSCAPE ARCHITECTURE

PO BOX 870136
STONE MOUNTAIN, GA 30087
P: 404-780-2170
W: Viridianstudiosatl.com

REVISIONS

NO.	DATE	ISSUE
1		
2		
3		
4		
5		
6		
7		
8		

PROJECT NAME

SHAMROCK PARK PAVILION

PROJECT ADDRESS

960 SENOIA ROAD
TYRONE, GA

PARCEL ID: 0738104
LAND LOT 139 OF THE 7TH DISTRICT
FAYETTE COUNTY
TOWN OF TYRONE, GA

OWNER

TOWN OF TYRONE

SHEET TITLE

LANDSCAPE SPECIFICATIONS

DATE 04/08/2025

PROJ. NO. 2024026

PROFESSIONAL SEAL

GEORGIA REGISTERED LANDSCAPE ARCHITECT
No. LA001618
JILL ELIZABETH KELLEHER

SHEET

L2.4

100% CONSTRUCTION DOCUMENT SUBMITTAL

CONTINUED ON SHEET L2.4

d. Seven-day compressive strength.

e. 28-day compressive strength.

f. Permeability.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Comply with ASTM C94/C94M and ACI 301 (ACI 301M).

1.10FIELD CONDITIONS

A. Cold-Weather Placement: Comply with Section 033000 "Cast-in-Place Concrete."

B. Hot-Weather Placement: Comply with Section 033000 "Cast-in-Place Concrete."

PART 2 - PRODUCTS

2.1 CONCRETE, GENERAL

A. ACI Publications: Comply with ACI 301 (ACI 301M) unless modified by requirements in the Contract Documents.

2.2 FORM-FACING MATERIALS

A. Comply with Section 031000 "Concrete Forming and Accessories" for formwork and other form-facing material requirements, and as specified in this Section.

B. Source Limitations: Obtain each type of form-facing material from single source from single manufacturer.

C. Form-Facing Panels for Exposed-Aggregate Finishes:

1. Exterior-grade plywood panels, nonabsorptive, that will provide continuous, true, and smooth architectural concrete surfaces, complying with DOC PS .

D. Chamfer Strips: Metal, rigid plastic, elastomeric rubber, or dressed wood, 3/4 by 3/4 inch (19 by 19 mm), minimum; nonstaining; in longest practicable lengths.

E. Form Joint Tape: Compressible foam tape; pressure sensitive; AAMA 800; minimum 1/4 inch (6 mm) thick.

F. Form Joint Sealant: Elastomeric sealant complying with ASTM C920, Type M or Type S, Grade NS, that adheres to form joint substrates, does not stain, does not adversely affect concrete surfaces, and does not impair subsequent treatments and finishes of concrete surfaces.

G. Wood Sealer: Penetrating, clear, polyurethane wood sealer formulated to reduce absorption of bleed water and prevent migration of set-retarding chemicals from wood and does not stain, does not adversely affect concrete surfaces, and does not impair subsequent treatments and finishes of concrete surfaces.

H. Form-Release Agent: Commercially formulated, colorless form-release agent that does not bond with, stain, or adversely affect architectural concrete surfaces and will not impair subsequent treatments and finishes of architectural concrete surfaces.

I. Surface Retarder: Water-soluble chemical liquid set retarder, for application on form-facing materials, capable of temporarily delaying final hardening of newly placed architectural concrete surface to depth of aggregate exposure specified.

2.3 REINFORCEMENT ACCESSORIES

A. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars and welded-wire fabric in place.

1. Manufacture bar supports in accordance with CRSI's "Manual of Standard Practice."

2.4 CONCRETE MATERIALS

A. Regional Materials:

B. Regional Materials: Concrete shall be manufactured within 500 miles (800 km) of Project site.

C. Cementitious Materials:

1. Portland Cement: ASTM C150/C150M, Type I/II gray or white as indicated.

2. Fly Ash: ASTM C618, Class C

3. Slag Cement: ASTM C989/C989M, Grade 100 or Grade 120.

4. Silica Fume: ASTM C1240 amorphous silica.

D. Normal-Weight Aggregates: ASTM C33/C33M, Class 5S coarse aggregate or better, graded. Provide aggregates from single source from single manufacturer.

1. Alkali-Silica Reaction: Comply with one of the following:

a. Expansion Result of Aggregate: Not more than 0.04 percent at one year when tested in accordance with ASTM C1293.

b. Expansion Results of Aggregate and Cementitious Materials in Combination: Not more than 0.10 percent at 16 days when tested in accordance with ASTM C1567.

c. Alkali Content in Concrete: Not more than 4 lb./cu. yd. (2.37 kg/cu. m) for moderately reactive aggregate or 3 lb./cu. yd. (1.78 kg/cu. m) for highly reactive aggregate, when tested in accordance with ASTM C1293 and categorized in accordance with ASTM C1778, based on alkali content being calculated in accordance with ACI 301 (ACI 301M).

2. Maximum Coarse-Aggregate Size: As indicated.

3. Gradation: Uniformly

E. Normal-Weight Fine Aggregate: ASTM C33/C33M manufactured or natural sand, free of materials with deleterious reactivity to alkali in cement, from same source for entire Project.

F. Chemical Admixtures: As specified in Section 033000 "Cast-in-Place Concrete," and certified by manufacturer to be compatible with other admixtures and that do not contribute water-soluble chloride ions exceeding those permitted in hardened concrete. Do not use admixtures containing intentionally added chlorides.

G. Color Pigment: ASTM C979/C979M, synthetic mineral-oxide pigments or colored water-reducing admixtures; color stable,nonfading, and resistant to lime and other alkalis.

1. Color: As indicated by manufacturer's designation

H. Water and Water Used to Make Ice: ASTM C1602/C1602M, potable.

2.5 CURING MATERIALS

A. Comply with Section 0330000 "Cast-in-Place Concrete."

1. For integrally colored concrete, curing materials shall be approved by color pigment manufacturer.

2. For concrete indicated to be sealed, curing materials shall be compatible with sealer.

2.6 REPAIR MATERIALS

A. Epoxy Bonding Adhesive: ASTM C881/C881M two-component epoxy resin, capable of humid curing and bonding to damp surfaces, of class suitable for application temperature and of grade and class to suit requirements.

2.7 CONCRETE MIXTURES, GENERAL

A. Obtain each color, size, type, and variety of concrete mixture from single manufacturer with resources to provide cast-in-place architectural concrete of consistent quality in appearance and physical properties.

B. Prepare design mixtures for each type and strength of cast-in-place architectural concrete proportioned on basis of laboratory trial mixture or field test data, or both, in accordance with ACI 301 (ACI 301M).

1. Use a qualified independent testing agency for preparing and reporting proposed concrete mixture designs, based on laboratory trial mixtures.

C. Admixtures: Use admixtures in accordance with manufacturer's written instructions.

D. Color Pigment: Add color pigment to concrete mixture in accordance with manufacturer's written instructions and to result in hardened concrete color consistent with approved mockups.

2.8 CONCRETE MIXING

A. Ready-Mixed Architectural Concrete: Measure, batch, mix, and deliver concrete in accordance with ASTM C94/C94M, and furnish batch ticket information.

1. Clean equipment used to mix and deliver cast-in-place architectural concrete to prevent contamination from other concrete.

2. For mixer capacity of 1 cu. yd. (0.76 cu. m) or smaller, continue mixing at least 1-1/2 minutes, but not more than five minutes after ingredients are in mixer, before any part of batch is released.

3. For mixer capacity larger than 1 cu. yd. (0.76 cu. m), increase mixing time by 15 seconds for each additional 1 cu. yd. (0.76 cu. m).

4. Provide batch ticket for each batch discharged and used in the Work, indicating Project identification name and number, date, mixture type, mixture time, quantity, and amount of water added. Record approximate location of final deposit in structure.

PART 3 - EXECUTION

3.1 INSTALLATION OF FORMWORK

A. Comply with Section 031000 "Concrete Forming and Accessories" for formwork, embedded items, and shoring and reshoring, and as specified in this Section.

B. Limit deflection of form-facing panels to not exceed ACI 301 (ACI 301M) requirements.

C. Limit cast-in-place architectural concrete surface irregularities, as indicated.

D. Construct forms to result in cast-in-place architectural concrete that complies with ACI 117 (ACI 117M).

E. Seal form joints, chamfers, rustication joints, and penetrations at form ties with form joint tape or form joint sealant to prevent cement paste leakage.

1. Provide closure backing materials if indented rustication is used over a ribbed form line, and seal joint between rustication strip and form with joint sealant.

F. Coat contact surfaces of forms with surface retarder, in accordance with manufacturer's written instructions, before placing reinforcement, anchoring devices, and embedded items.

3.2 INSTALLATION OF REINFORCEMENT AND ACCESSORIES

A. Comply with Section 032000 "Concrete Reinforcing" for fabricating and installing steel reinforcement and accessories.

3.3 REMOVING AND REUSING FORMS

A. Formwork for sides of beams, walls, columns, and similar parts of the Work that does not support weight of concrete may be removed after cumulatively curing at not less than 50 deg F (10 deg C) for 24 hours after placing concrete. Concrete has to be hard enough to not be damaged by form-removal operations, and curing and protection operations need to be maintained.

B. Clean and repair surfaces of forms to be reused in the Work.

1. Split, frayed, delaminated, or otherwise damaged form-facing material are unacceptable for exposed surfaces.

2. Apply new form-release agent.

C. When forms are reused, clean surfaces, remove fins and laitance, and tighten to close joints.

1. Align and secure joints to avoid offsets.

2. Do not use patched forms for cast-in-place architectural concrete surfaces.

3.4 JOINTS

A. Construction Joints: Install construction joints true to line, with faces perpendicular to surface plane of cast-in-place architectural concrete, so strength and appearance of concrete are not impaired, at locations indicated or as approved by Architect.

1. Place joints perpendicular to main reinforcement. Continue reinforcement across construction joints unless otherwise indicated.

2. Form keyed joints as indicated. Align construction joint within rustications attached to form-facing material.

3. Locate joints for beams, slabs, joists, and girders at third points of spans. Offset joints in girders a minimum distance of twice the beam width from a beam-girder intersection.

4. Locate horizontal joints in walls and columns at underside of floors, slabs, beams, and girders and at top of footings or floor slabs.

5. Space vertical joints in walls as indicated on Drawings. Unless otherwise indicated on Drawings, locate joints beside piers integral with walls, near corners, and in concealed locations where possible.

6. placed against hardened or partially hardened concrete surfaces.

B. Contraction Joints: Form weakened-plane contraction joints true to line, with faces perpendicular to surface plane of cast-in-place architectural concrete, so strength and appearance of concrete are not impaired, at locations indicated on Drawings or as approved by Architect.

3.5 CONCRETE PLACEMENT

A. Comply with Section 033000 "Cast-in-Place Concrete."

3.6 FINISHING FORMED SURFACES

A. Comply with Section 033000 "Cast-in-Place Concrete."

B. Architectural Concrete Finish: Match Architect's design reference sample, identified and described as indicated, to satisfaction of Architect.

C. As-Cast Surface Finishes: Comply with Section 033000 "Cast-in-Place Concrete" for the following:

D. Final Concrete Finish: Comply with Section 033000 "Cast-in-Place Concrete" for the following:

E. Maintain uniformity of architectural concrete finishes over construction joints unless otherwise indicated.

3.7 CONCRETE CURING

A. Comply with Section 033000 "Cast-in-Place Concrete" using identical curing procedures to that used for mockups.

3.8 REPAIR

A. Comply with ACI 301 (ACI 301M).

B. Repair damaged finished surfaces of cast-in-place architectural concrete when repairing is approved by Architect.

C. Match repairs to color, texture, and uniformity of surrounding surfaces and to repairs on approved mockups.

D. Remove and replace cast-in-place architectural concrete that cannot be repaired to Architect's approval.

3.9 FIELD QUALITY CONTROL

A. Comply with Section 033000 "Cast-in-Place Concrete."

3.10CLEANING

A. Clean cast-in-place architectural concrete surfaces after finish treatment to remove stains, markings, dust, and debris.

B. Wash and rinse surfaces in accordance with concrete finish applicator's written instructions.

1. Protect other Work from staining or damage due to cleaning operations.

2. Do not use cleaning materials or processes that could change the appearance of cast-in-place architectural concrete finishes.

3.11PROTECTION

A. Protect corners, edges, and surfaces of cast-in-place architectural concrete from damage; use guards and barricades.

B. Protect cast-in-place architectural concrete from staining, laitance, and contamination during remainder of construction period.

3.12FINAL ACCEPTANCE

A. Final acceptance of completed architectural concrete Work will be determined by Architect by comparing approved mockups with installed Work, when viewed at a distance of 20 ft..

END OF SECTION

END OF SECTION LANDSCAPE SPECIFICATIONS

VIRIDIAN studios
LANDSCAPE ARCHITECTS

LANDSCAPE ARCHITECTURE

PO BOX 870136
STONE MOUNTAIN, GA 30087
P: 404-780-2170
W: Viridianstudiosatl.com

REVISIONS

NO.	DATE	ISSUE
1		
2		
3		
4		
5		
6		
7		
8		

PROJECT NAME

SHAMROCK PARK PAVILION

PROJECT ADDRESS

960 SENOIA ROAD
TYRONE, GA

PARCEL ID: 0738104
LAND LOT 139 OF THE 7TH DISTRICT
FAYETTE COUNTY
TOWN OF TYRONE, GA

OWNER

TOWN OF TYRONE

SHEET TITLE

LANDSCAPE SPECIFICATIONS

DATE 04/08/2025

PROJ. NO. 2024026

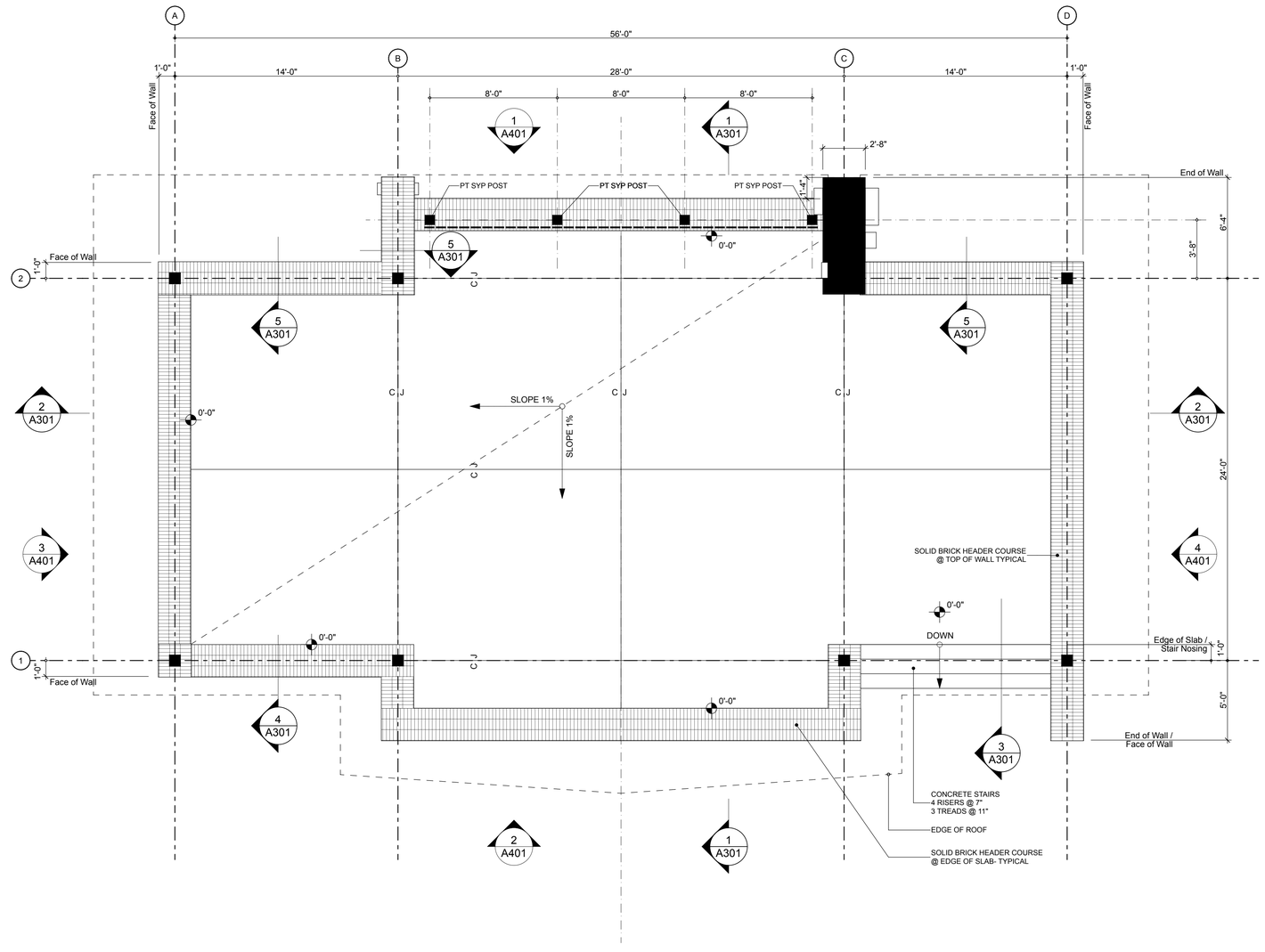
PROFESSIONAL SEAL

GEORGIA REGISTERED No. LA001518 LANDSCAPE ARCHITECT JILL ELIZABETH KELLEHER

SHEET

L2.5

100% CONSTRUCTION DOCUMENT SUBMITTAL



1 FLOOR PLAN 1/4" = 1'-0"

CONTEXT
ARCHITECTURE | LAND DEVELOPMENT | PLANNING

2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

SHAMROCK PARK PAVILION

960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

TOWN OF TYRONE - GEORGIA - EST. 1911

STATE OF GEORGIA
04.08.25
DON WHITTEN
REGISTERED ARCHITECT

ISSUED:	
04.08.2025	ISSUED FOR PERMIT
04.08.2025	ISSUED FOR CONSTRUCTION

FLOOR PLAN

A101

Printed: 4/9/25

Shamrock Park Pavilion

SESCO LIGHTING LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	FIXTURE	DESCRIPTION	MOUNTING	LAMP/WATTAGE	DIMMING	VOLTAGE	LINK
A	LITON LIGHTING	DL36BB-L26-840-UE-D10-T27	6" ROUND LED SURFACE MOUNT CYLINDER	SURFACE	30W	0-10V	UNV	https://liton.com/media/files/cutsheets/DL36D_CS.pdf
B	PERFORMANCE IN LIGHTING	G10-1WB-SW-BK-27K-UNV-0-10V	SMALL LED WALL PACK	WALL	5W	0-10V	UNV	https://www.performanceinlighting.com/uu/downloads/164643/10/Quasar%2010%20%20Spec.pdf
C	PERFORMANCE IN LIGHTING	IN1-7-BK-27K-UNV-0-10V	LED STEP LIGHT	RECESSED	7W	0-10V	UNV	https://www.performanceinlighting.com/uu/downloads/184763/179/Insert%201%20-%20Spec.pdf
D	PERFORMANCE IN LIGHTING	TYX+10-SA-6-CIW-BK-27K-120-0-10V	SMALL LED FLOOD LIGHT	SURFACE	6W	0-10V	120V	https://www.performanceinlighting.com/uu/downloads/29477/1276/TYX%2010%20Spec.pdf
LT	TBD Coordination w/ AV Design Build Contractor required. Architectural & Structural coordination may be required.			SUSPENDED				
Projection Screen	TBD Coordination w/ AV Design Build Contractor required. Architectural & Structural coordination may be required.			SUSPENDED				
Projector	TBD Coordination w/ AV Design Build Contractor required. Architectural & Structural coordination may be required.			SUSPENDED				

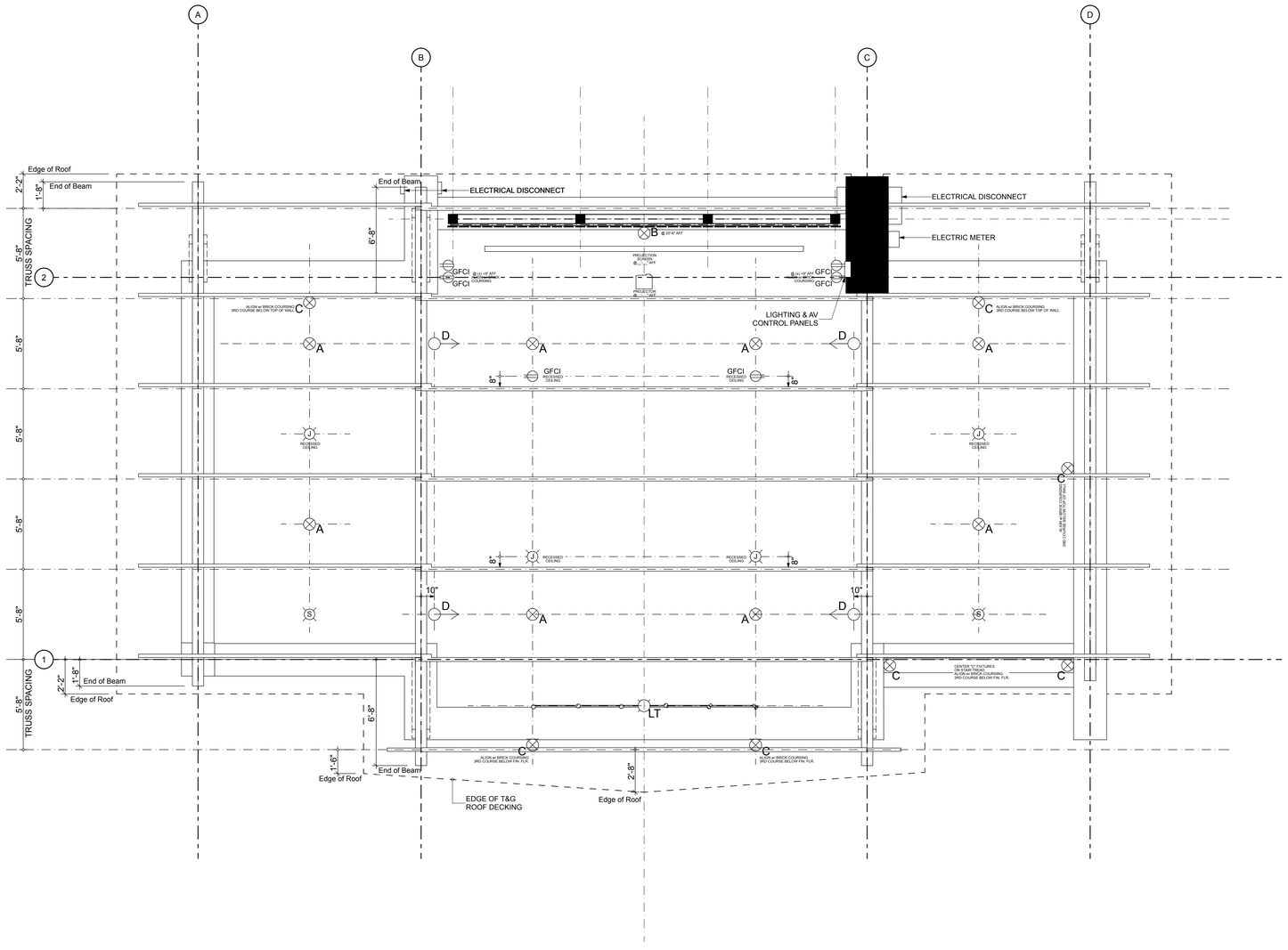
NOTES:

1. The specified fixtures have been selected based on photometric performance, electrical characteristics, visual comfort and aesthetic interpretation and as such any contractor wishing to propose alternate fixtures must submit such request, in writing, FIFTEEN (15) work days prior to bid. The request shall include two complete sets of color catalog cut sheets of all fixtures for review. Approvals shall only be issued by the architect in the form of an addendum to the bid documents.

CONTACT FLETCHER VANTO 404.788.4843 FVANTO@SESCOLIGHTING.COM

2. ALL LIGHTING TO BE BID AS SPECIFIED ONLY, FIXTURES BASED ON LEAD TIME REQUIREMENTS AND PERFORMANCE

3. FINAL FIXTURE COLORS AND FINISHES TO BE SELECTED AND APPROVED BY OWNER/ARCHITECT



1 SYSTEMS COORDINATION PLAN 1/4" = 1'-0"

CONTEXT
ARCHITECTURE | LAND DEVELOPMENT | PLANNING

2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

SHAMROCK PARK PAVILION

960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

TOWN OF TYRONE - GEORGIA - EST. 1911

STATE OF GEORGIA
04.08.25
DON WHITTEN
REGISTERED ARCHITECT

ISSUED:

02.04.2025 -DESIGN/COORDINATION

04.08.2025 ISSUED FOR CONSTRUCTION

SYSTEMS COORDINATION PLAN

A102

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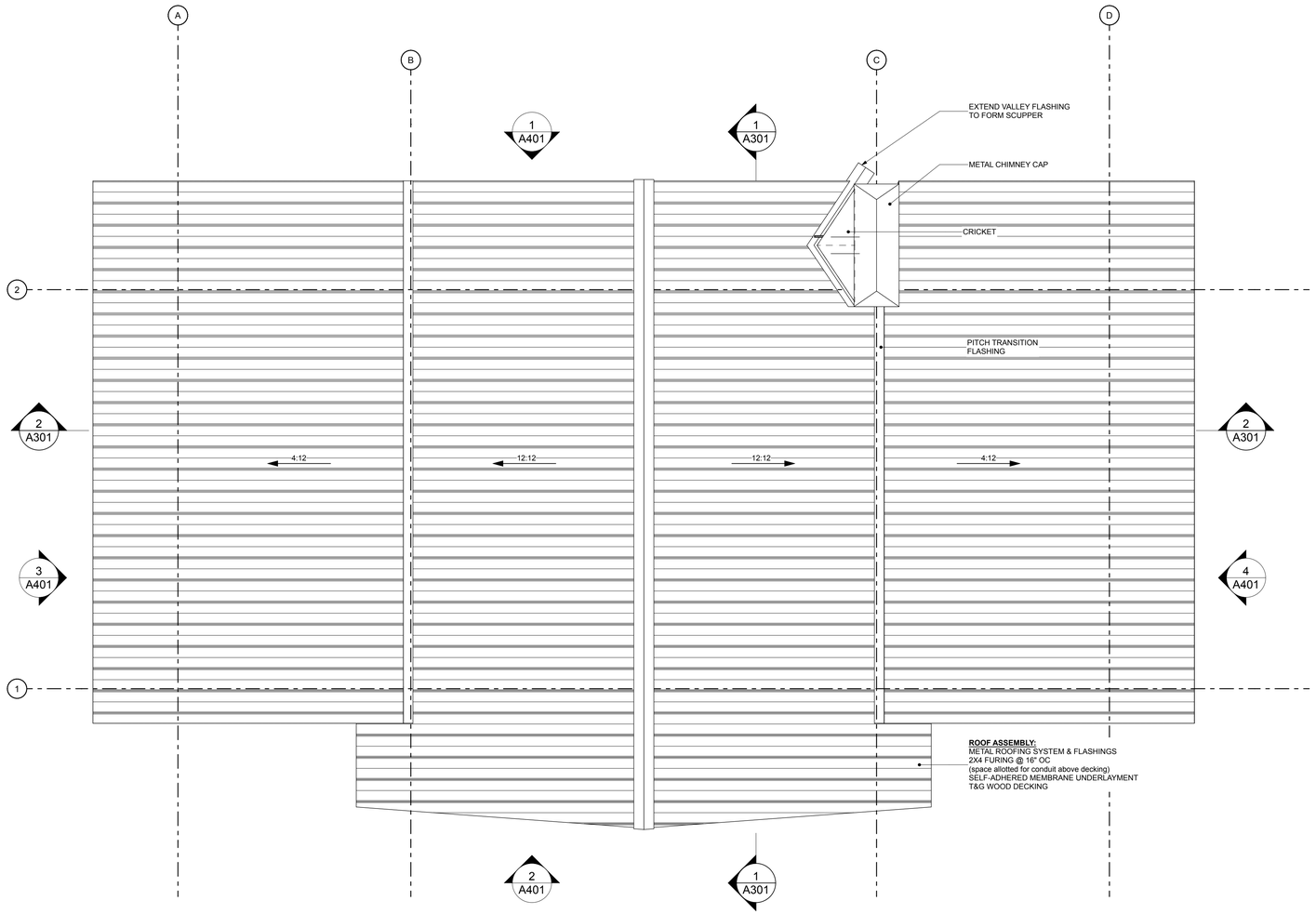

1 EAST ELEVATION 1/4" = 1'-0"

CONTEXT
ARCHITECTURE | LAND DEVELOPMENT | PLANNING

2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

SHAMROCK PARK PAVILION

960 Senoia Road
Tyrone, Georgia 30290

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TOWN OF TYRONE - GEORGIA - EST. 1911

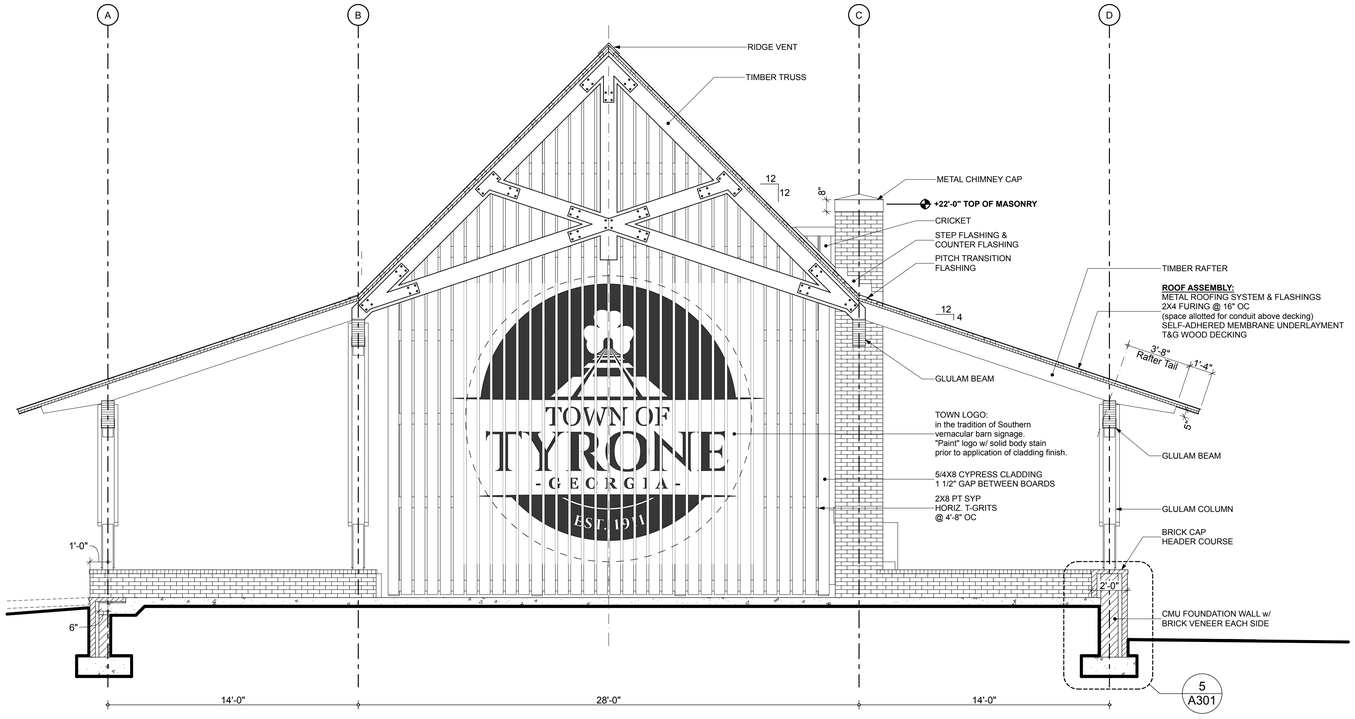
STATE OF GEORGIA
04.08.25
DON WHITTEN
REGISTERED ARCHITECT

ISSUED:
02.04.2025 -DESIGN REVIEW SUBMITTAL
04.08.2025 ISSUED FOR CONSTRUCTION

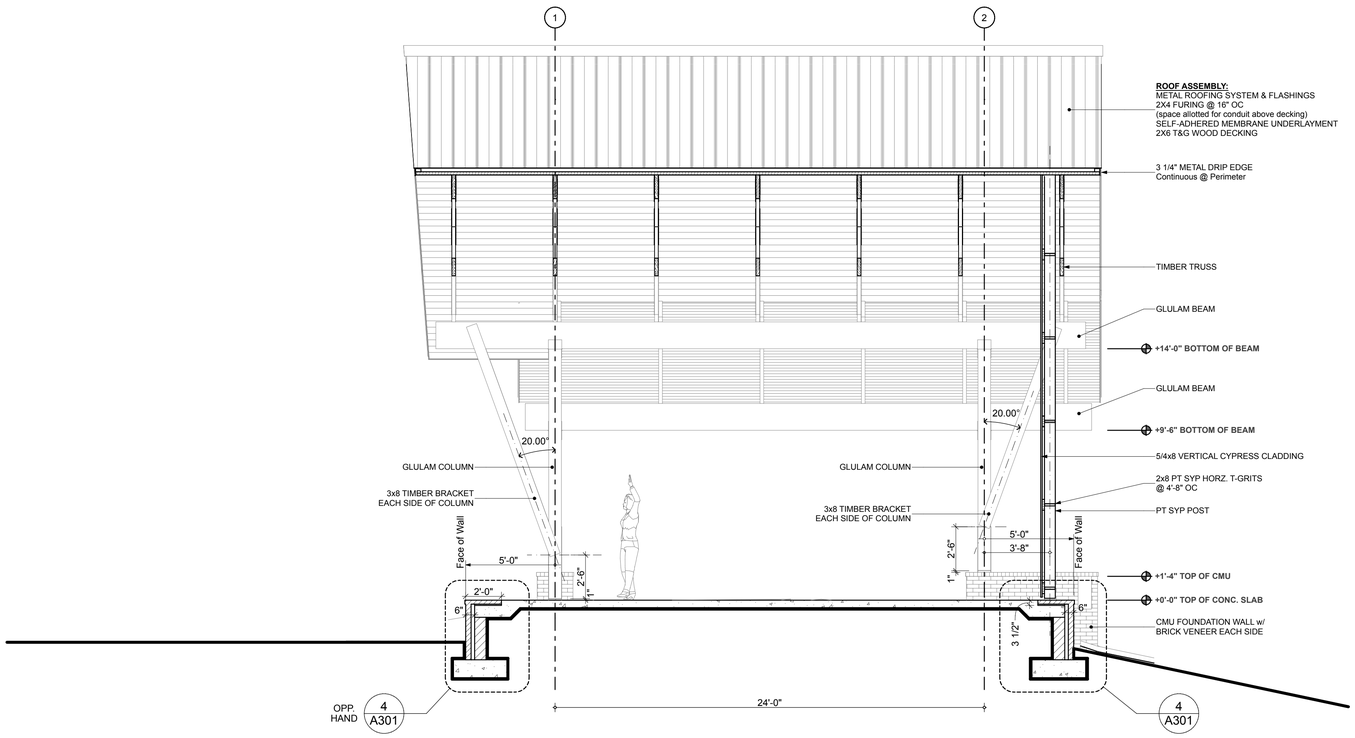
ROOF PLAN

A103

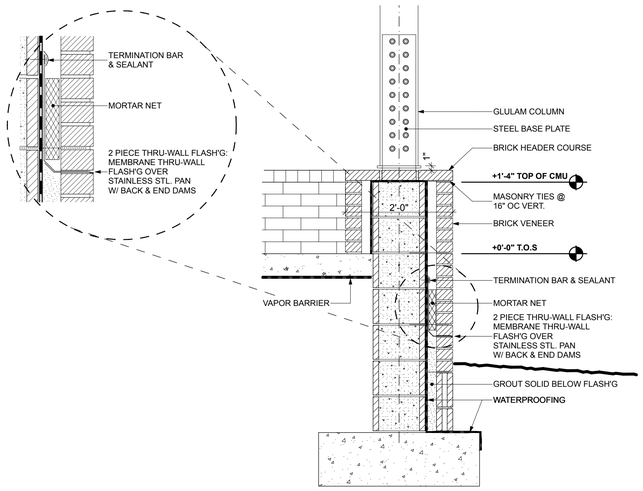
Printed: 4/9/25



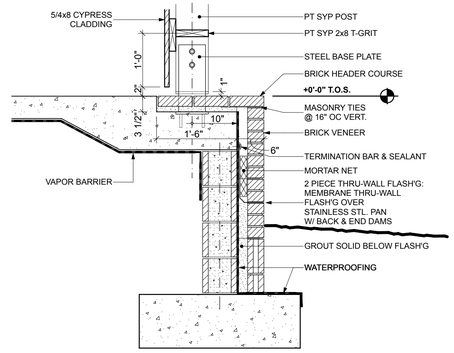
2 BUILDING SECTION 1/4" = 1'-0"



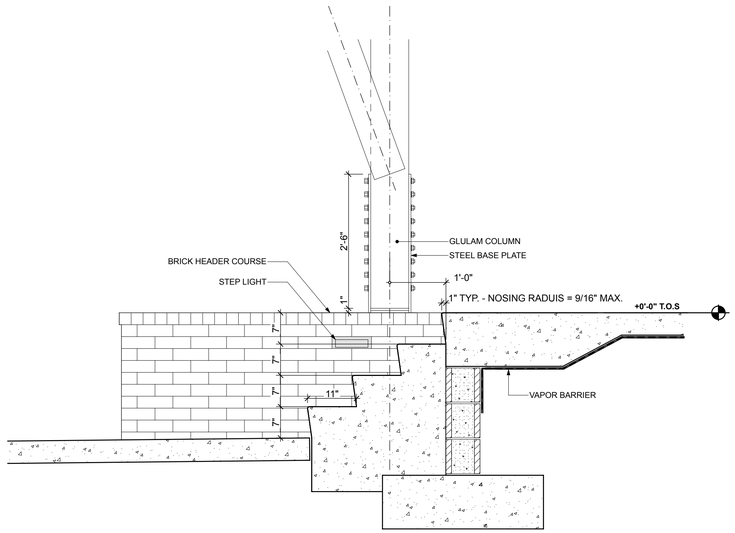
1 BUILDING SECTION 1/4" = 1'-0"



5 TYPICAL WALL DETAIL 3/4" = 1'-0"



4 TYPICAL EDGE OF SLAB DETAIL 3/4" = 1'-0"



3 STAIR DETAIL 3/4" = 1'-0"

CONTEXT
ARCHITECTURE | LAND DEVELOPMENT | PLANNING
2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.ala@gmail.com

SHAMROCK PARK PAVILION

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Tyrone, Georgia 30290

Project Number: 2024.006

TOWN OF TYRONE - GEORGIA - EST. 1911

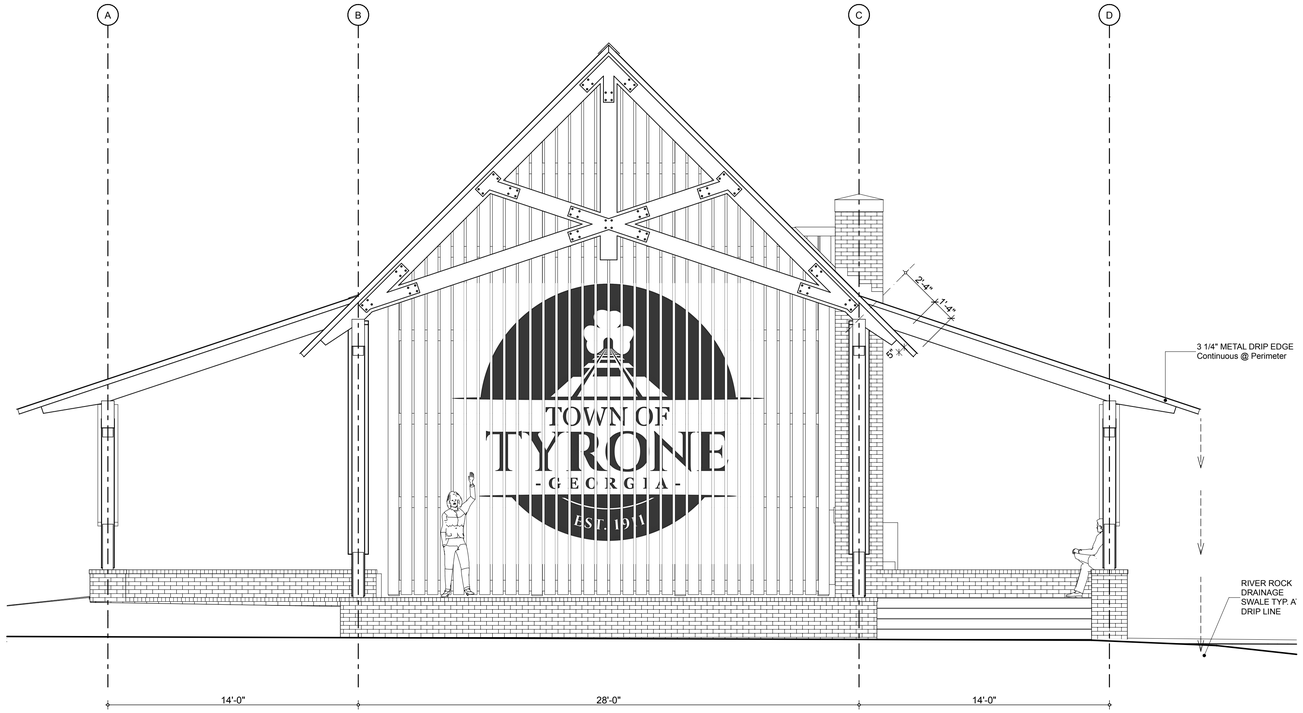
STATE OF GEORGIA
04.08.25
DON WHITTEN
REGISTERED ARCHITECT

ISSUED:	
04.08.2025	ISSUED FOR PERMIT
04.08.2025	ISSUED FOR CONSTRUCTION

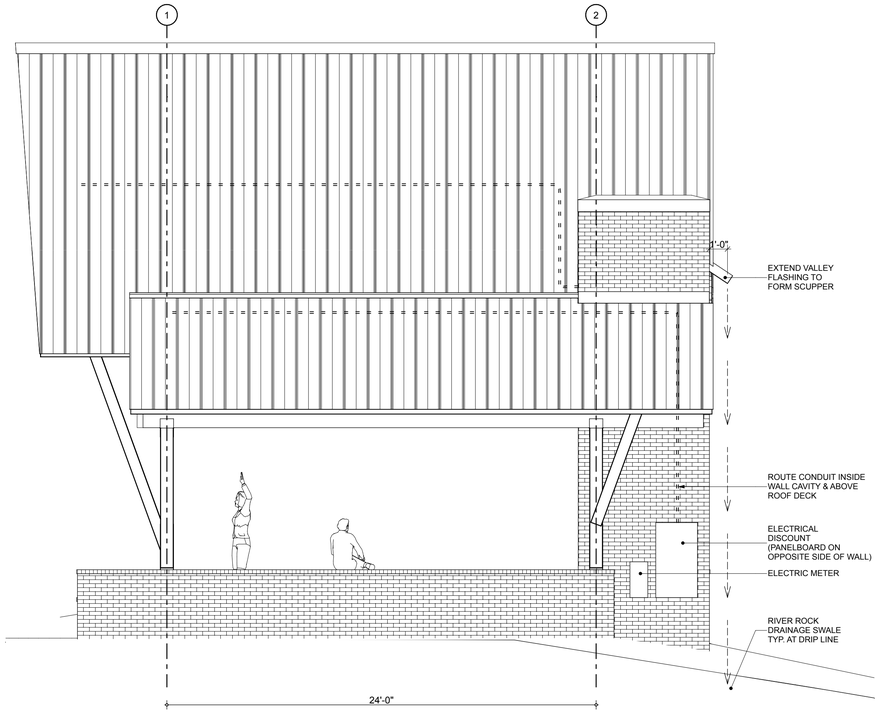
BUILDING SECTIONS & DETAILS

A301

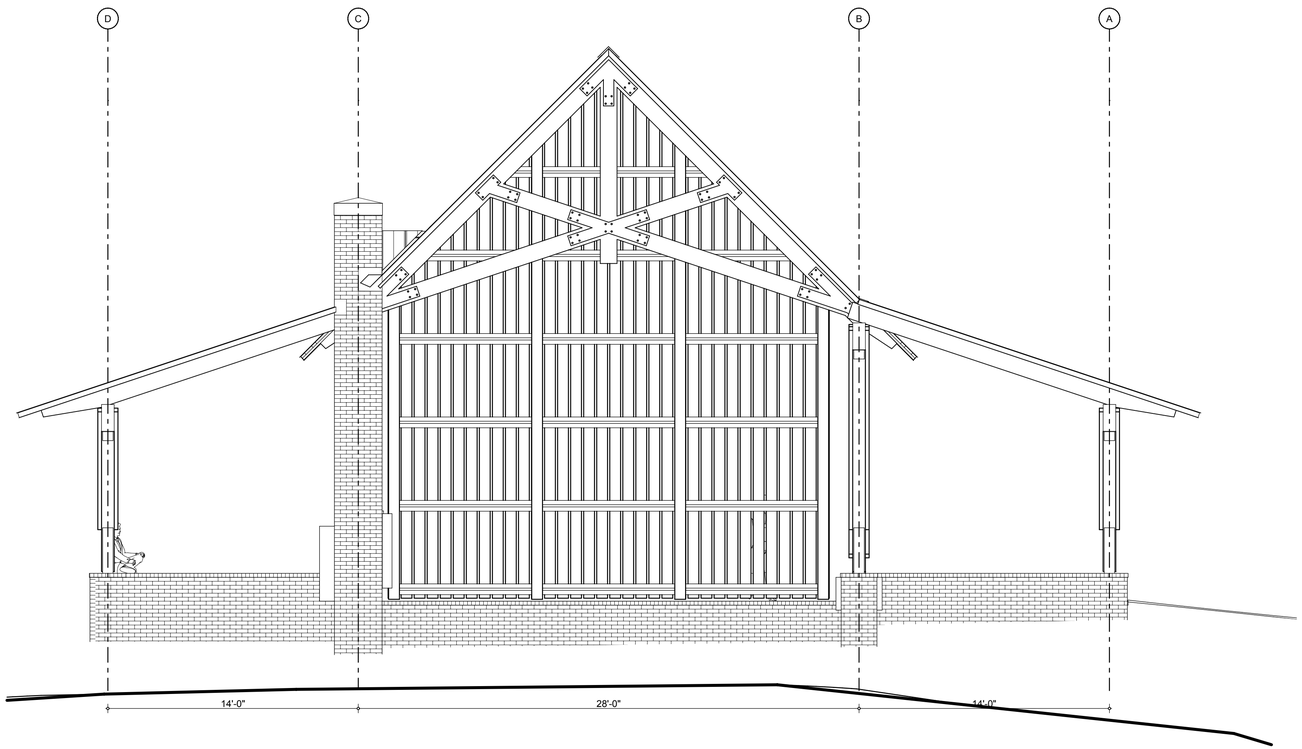
Printed: 4/9/25



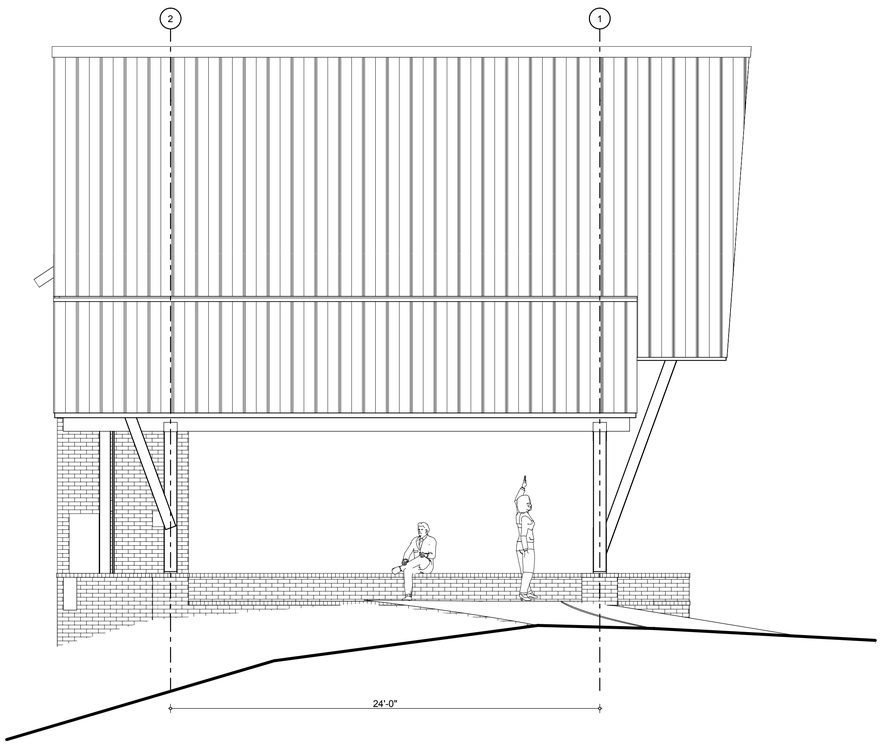
2 NORTH ELEVATION 1/4" = 1'-0"



4 WEST ELEVATION 1/4" = 1'-0"



1 SOUTH ELEVATION 1/4" = 1'-0"



3 EAST ELEVATION 1/4" = 1'-0"

CONTEXT
ARCHITECTURE | LAND DEVELOPMENT | PLANNING

2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

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TOWN OF TYRONE - GEORGIA - EST. 1911

STATE OF GEORGIA
04.08.25
DON WHITTEN
REGISTERED ARCHITECT

ISSUED:	
04.08.2025	ISSUED FOR PERMIT
04.08.2025	ISSUED FOR CONSTRUCTION

ELEVATIONS

A401

Printed: 4/9/25

SECTION 01 00 00 – GENERAL CONDITIONS

PART 1 – GENERAL

1.1 SUMMARY

This section outlines the general responsibilities, code compliance requirements, and roles of the Architect and the Design-Build Contractor in the execution of the timber-framed pavilion project located in Tyrone, Georgia.

1.2 DESIGN INTENT

- Architect's drawings and renderings convey overall design intent, including spatial organization, massing, finish quality, and materiality.
- These drawings are not intended to serve as complete construction documents.
- The Design-Build Contractor is responsible for producing coordinated, code-compliant construction documents and ensuring the built work aligns with the intended design.

1.3 DESIGN-BUILD CONTRACTOR RESPONSIBILITIES

- Full responsibility for coordination, construction documents, engineering, permitting, procurement, quality control, and compliance.
- Responsible for all means, methods, and site safety.
- Provide submittals, samples, and mockups for items affecting design intent.
- All materials not explicitly identified by the Architect or Owner are to be selected by the Design-Build Contractor, subject to approval.

1.4 CODE COMPLIANCE

All design and construction shall comply with the currently adopted building codes in Georgia, including:

- 2018 IBC (w/ GA Amendments)
- 2018 IPC, IMC, IFGC, IECC, IFC (w/ GA Amendments)
- 2015 IECC (w/ GA Amendments)
- 2023 NEC
- NFPA 101 – Life Safety Code (2018 Ed.)
- GA Accessibility Code (2010 ADA Standards)
- Local Zoning Ordinances (Town of Tyrone)

1.5 PERMITS & INSPECTIONS

- Contractor shall obtain and pay for all permits, inspections, and certificates of occupancy.

SECTION 03 30 00 – CAST-IN-PLACE CONCRETE

PART 1 – GENERAL

1.1 SUMMARY

Cast-in-place slab and below-slab vapor protection.

1.2 REFERENCES

- ACI 301, ACI 302.1R, ASTM E1745, ASTM C94

PART 2 – PRODUCTS

- **Vapor Barrier**: 15-mil Stego® Wrap; Class A, per ASTM E1745
- **Concrete Mix**: Per structural engineer
- **Finish**: Smooth steel trowel; joints per architectural drawings

SECTION 04 20 00 – UNIT MASONRY

PART 1 – GENERAL

1.1 SUMMARY

Brick veneer with full accessory system.

1.2 REFERENCES

- BIA Tech Notes, ASTM C216, C270, C1710

PART 2 – PRODUCTS

- **Brick**: Match owner's approved sample
- **Mortar**: Type S or N, ASTM C270
- **Mortar Net**: MortarNet™ or equal
- **Weeps**: Quadro-Vent or equal at 24" o.c.
- **Flashing**: Stainless steel with self-adhered membrane
- **Anchors**: Stainless steel veneer anchors, ASTM A1064

SECTION 05 12 00 – STRUCTURAL STEEL FRAMING

PART 1 – GENERAL

1.1 SUMMARY

Fabricated steel elements per engineer.

1.2 REFERENCES

- AISC 360, SSPC-SP6, ASTM A36/A992

PART 2 – PRODUCTS

- Steel fabricated and installed per engineer
- **Finish**: Shop-primed and painted black
  - Primer: Rust-Oleum High Performance
  - Paint: Sherwin-Williams Industrial Enamel

SECTION 06 10 00 – ROUGH CARPENTRY

PART 1 – GENERAL

1.1 SUMMARY

Glue-laminated timber, solid wood trusses, framing, and decking.

1.2 REFERENCES

- AITC 117, ANSI A190.1, AWPA U1, NDS

PART 2 – PRODUCTS

- **Glue-laminated Timber**: Fabricated per structural drawings
  - **Pre-finish all sides** with clear stain containing UV protection and mold/mildew inhibitors. See Section 09 90 00.
- **Trusses**: Solid sawn, engineered and shop-fabricated
- **Framing**: Pressure-treated SYP per AWPA U1, UC2/UC4A
- **Decking**: 2x6 T&G SYP, Select Structural or #1

SECTION 06 20 00 – FINISH CARPENTRY

PART 1 – GENERAL

1.1 SUMMARY

Re-sawn cypress wood slat cladding.

1.2 REFERENCES

- AWI, NIST PS20

PART 2 – PRODUCTS

- **Wood Species**: Cypress
- **Grade**: #2 or better
- **Finish**: Re-sawn texture
- **Installation**: Slats installed per design intent with stainless fasteners
- **Field Finish**: See Section 09 90 00

SECTION 07 10 00 – CONCRETE MASONRY FOUNDATION WATERPROOFING

PART 1 – GENERAL

1.1 SUMMARY

This section includes surface-applied waterproofing for CMU foundation walls supporting a brick veneer with thru-wall flashing. Waterproofing system shall be compatible with flashing membranes and provide continuity of the drainage plane.

1.2 QUALITY ASSURANCE

- Installer must have at least 3 years of experience with below-grade and cavity wall waterproofing.
- Waterproofing membrane shall be installed in a continuous, uninterrupted manner with integrated flashing connections per manufacturer guidelines.

PART 2 – PRODUCTS

2.1 WATERPROOFING MEMBRANE

Provide a self-adhered or fluid-applied waterproofing membrane system compatible with cavity wall construction, CMU substrates, and stainless steel or membrane-based flashing.

Option A – Self-Adhered Sheet Membrane

- **Carlisle CCW-705**
- **Henry Blueskin WP200**
- **W.R. Grace Bituthene 4000**
- Membranes must be compatible with self-adhered or stainless steel thru-wall flashing systems.

Option B – Fluid-Applied Waterproofing (Optional)

- **Tremco Tremproof 250GC**
- **Sika Sikalastic-710/715**
- **MasterSeal HLM 5000**
- Only permitted where substrate and weather conditions allow full cure prior to flashing and masonry installation.

2.2 PRIMER (for Sheet Membranes)

- **Required on CMU surfaces** to ensure adhesion.

2.3 ACCESSORIES

- Termination bars (stainless or galvanized)
- Preformed inside/outside corner boots
- Reinforcement mesh or fabric for joints and transitions
- Compatible sealants and mastics
- Drainage board or protection course

SECTION 07 41 13 – STANDING SEAM METAL ROOFING

PART 1 – GENERAL

1.1 SUMMARY

Complete metal roof system

1.2 REFERENCES

- SMACNA, NRCA, ASTM D1970

PART 2 – PRODUCTS

- **Panels**: PAC-CLAD Snap-Clad, 16" width, 2" seam, 24 ga.
- **Finish**: Galvalume Plus
- **Underlayment**: High-temp, self-adhered
  - Products: Grace Ice & Water Shield HT, Carlisle CCW-HT
- **Trim & Flashings**: Match roof panels (Galvalume)

SECTION 07 60 00 – FLASHING AND SHEET METAL

PART 1 – GENERAL

1.1 SUMMARY

Flashing at walls and foundations.

PART 2 – PRODUCTS

- **Thru-Wall Flashing**: Stainless steel with adhered membrane
  - Products: Carlisle CCW-705, York Flash-Vent
- **Accessories**: Stainless corners, end dams, termination bars

SECTION 07 62 00 – GLULAM BEAM CAP FLASHING

PART 1 – GENERAL

1.1 SUMMARY

Cap flashing for top-exposed surfaces of glue-laminated beams.

PART 2 – PRODUCTS

- **Material**: Formed 24 ga. Galvalume sheet metal
- **Finish**: Match standing seam roof and trim
- **Installation**: Hemmed and folded to prevent water intrusion; SMACNA guidelines apply
- **Suggested Fabricators (Metro Atlanta)**:
  - Southern Metal Fabricators (Tucker)
  - Phoenix Metals (Atlanta)
  - Bennett Metal Products (Douglasville)

SECTION 09 90 00 – PAINTING AND COATINGS

PART 1 – GENERAL

1.1 SUMMARY

Field-applied finish for wood elements.

PART 2 – PRODUCTS

- **Clear Wood Stain**: Transparent with UV inhibitors and mold/mildew resistance
  - Products:
    - Penofin Ultra Premium
    - Sikkens ProLuxe Cetol SRD
    - DEFY Extreme Wood Stain
- **Application**: Field-applied per manufacturer's instructions

PART 3 – TOWN LOGO FINISH

This section specifies materials and methods for applying the Town of Tyrone logo to exterior cypress cladding using solid body stain. This work shall be coordinated with Division 06 20 00 – Finish Carpentry.

3.1 GENERAL
The Town logo shall be applied using a solid body exterior wood stain, directly to clean, untreated cypress wood prior to application of any transparent base stain on surrounding cladding. The logo shall be accurately positioned and cleanly executed using stencils and color(s) approved by the Owner.

3.2 COORDINATION WITH DIVISION 06

- Contractor shall **coordinate with Section 06 20 00 – Finish Carpentry** to ensure logo location aligns with slat layout and wood grain orientation.
- **Mask or leave untreated** the cladding area designated for the logo prior to the application of transparent stain on adjacent surfaces.

3.3 PRODUCTS

- **Stain Type:** Solid body exterior wood stain for vertical surfaces. Must include UV inhibitors and mildew resistance.

CONTEXT
ARCHITECTURE | LAND DEVELOPMENT | PLANNING
2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.ala@gmail.com

SHAMROCK PARK PAVILION
960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

TOWN OF TYRONE - GEORGIA - EST. 1911

STATE OF GEORGIA
04.08.25
DON WHITTEN
REGISTERED ARCHITECT

ISSUED:	
04.08.2025	ISSUED FOR PERMIT
04.08.2025	ISSUED FOR CONSTRUCTION

ARCHITECTURAL SPECIFICATIONS

A501

Printed: 4/9/25

- **Color:** Match **Town of Tyrone approved logo palette**.
- **Suggested Products:**
  - Benjamin Moore Arborcoat Solid Exterior Stain
  - Sherwin-Williams WoodScapes Solid Color Stain
  - Cabot Solid Color Acrylic Siding Stain

3.4 APPLICATION

- **Surface Preparation:** Apply only to bare, dry, clean cypress. Do not apply over transparent or semi-transparent stain.
- **Method:** Use brush or spray with high-quality **stencils or templates** to ensure sharp, legible application.
- **Conditions:** Apply per manufacturer guidelines for temperature, humidity, and drying time.

SECTION 10 73 00 – CHIMNEY CAPS AND COVERS

PART 1 – GENERAL

1.1 SUMMARY

Custom metal chimney cap without flue hole.

PART 2 – PRODUCTS

- **Material**: Galvalume, min. 24 ga.
- **Finish**: Match roof system
- **Fabricators**:
  - Southern Metal Fabricators (Tucker)
  - Phoenix Metals (Atlanta)
  - Bennett Metal Products (Douglasville)
- **Design**: Per SMACNA guidelines for ventless covers

SECTION 26 00 00 – ELECTRICAL

PART 1 – GENERAL

1.1 SUMMARY

This section includes all electrical distribution systems, panels, circuits, grounding, lighting, and power for the pavilion structure.

1.2 DESIGN-BUILD CONTRACTOR RESPONSIBILITIES

- The **Design-Build Contractor shall be responsible for the complete design, specification, and installation** of all electrical systems.
- All work shall be performed in accordance with:
  - **2023 National Electrical Code (NEC / NFPA 70)**
  - Local amendments and utility provider requirements
- Contractor shall coordinate final layout and fixture types with the Owner and Architect to ensure alignment with the architectural design intent.

1.3 SYSTEMS TO INCLUDE

- Electrical service and metering
- Distribution panels and branch circuits
- Site and architectural lighting
- Code-compliant grounding and bonding
- Conduit and junction box layout coordination with structure and finishes

SECTION 27 00 00 – COMMUNICATIONS (LOW VOLTAGE)

PART 1 – GENERAL

1.1 SUMMARY

This section includes infrastructure and wiring for communications and low voltage systems.

1.2 DESIGN-BUILD CONTRACTOR RESPONSIBILITIES

- The **Design-Build Contractor shall design and coordinate** all communications and low-voltage systems required for the pavilion.
- Coordinate location of devices and equipment with the Owner and Architect.

1.3 SYSTEMS TO INCLUDE

- Data and phone conduit rough-ins
- Wireless access point provisions
- Interface with utility-provided communication services (as applicable)
- Labeling, terminations, and documentation per industry standards (BICSI, ANSI/TIA)

SECTION 28 00 00 – ELECTRONIC SAFETY AND SECURITY

PART 1 – GENERAL

1.1 SUMMARY

This section includes audio/video, surveillance, and other related security or monitoring systems.

1.2 DESIGN-BUILD CONTRACTOR RESPONSIBILITIES

- The **Design-Build Contractor shall coordinate and specify** all A/V and security system components as required by the Owner.
- Provide raceways, power, and mounting provisions for selected equipment.
- Ensure all devices are discreetly integrated with the architectural design.

1.3 SYSTEMS TO INCLUDE

- Audio systems (if desired by Owner)
- Video displays and wiring
- Surveillance cameras (if applicable)
- Conduits and power provisions for future expansion

CONTEXT
ARCHITECTURE | LAND DEVELOPMENT | PLANNING

2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

SHAMROCK PARK PAVILION
960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

TOWN OF TYRONE - GEORGIA - EST. 1911

STATE OF GEORGIA
04.08.25
DON WHITTEN
REGISTERED ARCHITECT

ISSUED:	
04.08.2025	ISSUED FOR PERMIT
04.08.2025	ISSUED FOR CONSTRUCTION

ARCHITECTURAL SPECIFICATIONS

A502

Printed: 4/9/25

GENERAL STRUCTURAL NOTES

1.0 ALL CONSTRUCTION SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE WITH LATEST GEORGIA STATE AMENDMENTS. REFERENCE TO OTHER STANDARD SPECIFICATIONS OR CODES SHALL MEAN THE LATEST STANDARD OR CODE ADOPTED AND PUBLISHED.

1.1 THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE STARTING WORK OR FABRICATION. NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES. ALL WORK COMPLETED THAT DOES NOT CONFORM TO THE STRUCTURAL DRAWINGS SHALL BE CONSIDERED AT RISK.

1.2 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, AND TEMPORARY SUPPORTS. THE STRUCTURAL ELEMENTS ARE NOT STABLE UNTIL THE STRUCTURE IS COMPLETE.

1.3 ALL WORK SHALL CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL LAWS.

1.4 THE CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO DIGGING, BORING OR EXCAVATING SOILS OR DRILLING, BORING OR CUTTING CONCRETE.

1.5 DIMENSIONS ON STRUCTURAL DRAWINGS ARE TO BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AS WELL AS AGAINST FIELD CONDITIONS BY CONTRACTORS.

1.6 UNLESS NOTED OTHERWISE, DETAILS, SECTIONS, AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR CONDITIONS.

1.7 THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND PLACEMENT OF INSERTS, HANGERS, SLEEVES, DUCTWORK, PADS, AND ANCHOR RODS THAT ARE REQUIRED BY MECHANICAL EQUIPMENT.

1.8 REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER. 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.

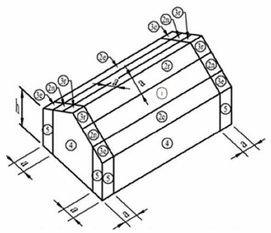
STRUCTURAL DESIGN CRITERIA

LOCATION	TYRONE, GA
RISK CATEGORY	II
DEAD LOADS:	
ROOF DEAD	15 PSF
LIVE LOADS:	
ROOF LIVE LOAD	20 PSF
GROUND SNOW LOAD (Pg)	5 PSF
SNOW IMPORTANCE FACTOR (Is)	1.0
RAIN LOAD DATA:	
100-YEAR, 1-HOUR DURATION	I = 3.4 IN/HR
100-YEAR, 15-MIN DURATION	I = 6.96 IN/HR
WIND DESIGN:	
ULTIMATE WIND SPEED, 3 SECOND GUST	V = 108 MPH
ASD WIND SPEED, 3 SECOND GUST	V_{ASD} = 84 MPH
IMPORTANCE FACTOR	I = 1.0
EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	GCpi = +/-0.18
DESIGN BASIS	OPEN BUILDING

COMPONENT & CLADDING DESIGN WIND PRESSURE:

Zone	Figure	P_{max} A = 10 ft² psf	P_{min} A = 10 ft² psf	P_{max} A = 20 ft² psf	P_{min} A = 20 ft² psf	P_{max} A = 50 ft² psf	P_{min} A = 50 ft² psf	P_{max} A = 100 ft² psf	P_{min} A = 100 ft² psf
1	30.3-2D	18.73	-34.34	16.64	-29.12	16.00	-22.22	16.00	-17.00
2e	30.3-2D	18.73	-34.34	16.64	-29.12	16.00	-22.22	16.00	-17.00
2n	30.3-2D	18.73	-37.81	16.64	-33.80	16.00	-28.49	16.00	-24.48
2r	30.3-2D	18.73	-34.34	16.64	-29.12	16.00	-22.22	16.00	-17.00
3e	30.3-2D	18.73	-46.37	16.64	-41.09	16.00	-34.11	16.00	-28.83
3r	30.3-2D	18.73	-37.81	16.64	-33.80	16.00	-28.49	16.00	-24.48
4	30.3-1	20.47	-22.20	19.55	-21.28	18.33	-20.05	17.40	-19.14
5	30.3-1	20.47	-27.41	19.55	-25.56	18.33	-23.12	17.40	-21.28

ALL PRESSURES ARE PROVIDED IN PSF & DO NOT INCLUDE 0.6 WIND FACTOR
"+" INDICATES POSITIVE PRESSURE &
"-" INDICATES NEGATIVE PRESSURE (SUCTION)
_P INDICATES PARAPET WALL
a = 0.4*h



SEISMIC DESIGN:

IMPORTANCE FACTOR (Ie)	1.0
SITE CLASS	D
SEISMIC DESIGN CATEGORY	B
S_S	0.164
S_1	0.082
S_{DS}	0.174
S_{D1}	0.131

SEISMIC FORCE RESISTING SYSTEM: CANTILEVERED COLUMN SYSTEM DETAILED TO CONFORM TO THE REQUIREMENT FOR TIMBER FRAMES

R	1.5
Ω	1.5
Cd	1.5

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

ABBREVIATIONS

O.C.	=	ON CENTER	V.I.F.	=	VERIFY IN FIELD
T&B	=	TOP & BOTTOM	PL	=	PLATE
E.W.	=	EACH WAY	N.S.	=	NEAR SIDE
L.W.	=	LONG WAY	F.S.	=	FAR SIDE
S.W.	=	SHORT WAY	CLR	=	CLEAR
E.F.	=	EACH FACE	T.O.S.	=	TOP OF SLAB
U.N.O.	=	UNLESS NOTED OTHERWISE	CFS	=	COLD-FORMED STEEL
F.F.	=	FINISH FLOOR	PAF	=	POWDER-ACTUATED FASTENER
T.O.F.	=	TOP OF FOOTING	RTU	=	ROOFTOP UNIT
EL	=	ELEVATION	PT	=	PRESERVATIVE TREATED
TYP	=	TYPICAL	SDS	=	SELF DRILLING SCREW
MANUF.	=	MANUFACTURER	PERP.	=	PERPENDICULAR
CL	=	CENTER LINE	BLDG.	=	BUILDING
C.J.	=	CONTROL JOINT	CONT.	=	CONTINUOUS
EQ	=	EQUAL	ADDL	=	ADDITIONAL
CFS	=	COLD-FORMED STEEL	O.H.	=	OPPOSITE HAND

FOUNDATION & SLAB ON GRADE

2.1 WHEN FOOTING STEPS ARE REQUIRED, THEY SHALL BE NO STEEPER THAN ONE VERTICAL TO TWO HORIZONTAL.

2.2 PROVIDE 10 MIL MINIMUM POLYETHYLENE VAPOR BARRIER BENEATH FLOOR SLAB. LOCATE CONSTRUCTION JOINTS AT CONTROL JOINTS TO MAXIMUM EXTENT POSSIBLE.

2.3 BACKFILL SHALL NOT BE PLACED AGAINST RETAINING WALLS UNTIL THE WALLS HAVE ACHIEVED THEIR DESIGN STRENGTH AND THEIR LATERAL SUPPORT ELEMENTS ARE INSTALLED.

2.4 CONTROL JOINTS SHALL BE SAWCUT AFTER CONCRETE SURFACE HAS HARDENED ENOUGH SO THAT IT WILL NOT BE EASILY MARRED OR RAVELED. THE IDEAL TIME TO SAWCUT TYPICALLY OCCURS WITHIN 4 TO 12 HOURS AFTER CONCRETE FINISHING HAS BEEN COMPLETED. SAWCUT TIMING DEPENDS ON NUMEROUS FACTORS SUCH AS WEATHER CONDITION AND IS BEST DETERMINED ONSITE. TRIAL SAWCUTS MAY BE PERFORMED TO DETERMINE IF CONCRETE IS READY. SAWCUTTING TOO EARLY CAUSES RAVELING, OR THE DISLODGING OF AGGREGATE, WHICH RESULTS IN JOINT SPALLS. SAWCUTTING TOO LATE RESULTS IN UNCONTROLLED CRACKING. BEGIN SAWCUTTING AS SOON AS RAVELING STOPS DURING TRIAL CUTS.

2.5 ALL SOIL SUPPORTED FOOTINGS SHALL BE FOUNDED UPON UNDISTURBED, NATURAL SOIL SUBGRADE OR ON THOROUGHLY TESTED AND APPROVED FILL WITH A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 2,500 PSF PER THE GEOTECHNICAL REPORT PREPARED BY HIGHLAND LAND PLANNING DATED DECEMBER 16TH, 2024.

2.6 THE SOIL SUBGRADE FOR ALL FOOTINGS AND SLABS SHALL BE INSPECTED AND APPROVED BY THE OWNER'S TESTING LABORATORY IMMEDIATELY PRIOR TO PLACING CONCRETE.

2.7 ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM SUBGRADE AND BACK FILL AREAS AND BACKFILLED WITH SELECT FILL, COMPACTED TO 98 PERCENT OF STANDARD PROCTOR (ASTM D698) MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.

2.8 DO NOT UNDERMINE EXISTING CONSTRUCTION.

2.9 PLACE BACKFILL SIMULTANEOUSLY ON BOTH SIDES OF FOUNDATION WALLS.

2.10 NO MUD SLABS, FOOTINGS, OR SLABS SHALL BE PLACED ONTO OR AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.

2.11 THE CONCRETE FOR EACH ISOLATED FOOTING SHALL BE PLACED IN ONE (1) CONTINUOUS PLACEMENT.

2.12 DRAINAGE SHALL BE PROVIDED AROUND ALL FOUNDATION WALLS THAT RETAIN EARTH AND THE DRAINAGE SYSTEM SHALL CONFORM TO THE MINIMUM REQUIREMENTS SPECIFIED IN THE 2018 INTERNATIONAL BUILDING CODE. WALLS THAT RETAIN EARTH REQUIRE A DRAINAGE SYSTEM TO PREVENT HYDROSTATIC PRESSURE ON THE WALL. THE WALL DRAINAGE SYSTEM IS DESIGNED BY OTHERS. TYPICAL WALL DRAINAGE DETAILS HAVE BEEN PROVIDED FOR REFERENCE ONLY.

REINFORCED CONCRETE

3.0 ALL WORK SHALL CONFORM TO ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," LATEST EDITION. DESIGN IS BASED ON ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE," LATEST EDITION.

3.1 UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM 28 DAY COMPRESSION STRENGTHS:

FOUNDATIONS & WALLS	4000 PSI (NORMAL WEIGHT)
SLAB-ON-GRADE	4000 PSI (NORMAL WEIGHT)

3.2 THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND BE PROVIDED TO WILKES ENGINEERING GROUP LLC OR OWNER UPON REQUEST. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY OF OBTAINING THE REQUIRED DESIGN STRENGTH.

3.3 USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.

3.4 UNLESS NOTED OTHERWISE, SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN BY THE TESTING AGENCY NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 100 CUBIC YARDS OF CONCRETE, NOR LESS THAN ONCE FOR EACH 5000 SQUARE FEET OF SURFACE AREA FOR SLABS AND FOUNDATIONS. SAMPLE CONCRETE IN ACCORDANCE WITH ASTM C172. PERFORM THE FOLLOWING TESTS IN ACCORDANCE WITH THE INDICATED STANDARD:

SLUMP:	ASTM C143
AIR CONTENT:	ASTM C173
COMPRESSIVE STRENGTH:	ASTM C39 (ONE CYLINDER AT 7 DAYS, 2 CYLINDERS AT 28 DAYS, AND ONE SPECIMEN HELD IN RESERVE)

3.5 REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE. ALL WELDED REINFORCING STEEL SHALL CONFORM TO ASTM A706, GRADE 60 UNLESS NOTES OTHERWISE

3.6 WELDED WIRE FABRIC (MESH) SHALL CONFORM TO ASTM A1064 AND SHALL BE PROVIDED IN FLAT SHEETS (ROLLS ARE NOT PERMITTED). LAP TWO SQUARES AT SPLICES.

3.7 TIE ALL REINFORCING STEEL AND EMBEDMENTS SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN THE POSITION OF REINFORCEMENT WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES. "STICKING" DOWELS OR REBAR INTO WET CONCRETE IS NOT PERMITTED.

3.8 PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE; SPLICE ONLY AS SHOWN OR APPROVED; STAGGER SPLICES WHERE POSSIBLE; USE CLASS "B" TENSION SPLICE UNLESS NOTED OTHERWISE. DOWELS SHALL MATCH THE SIZE AND SPACING OF THE SPECIFIED REINFORCEMENT AND SHALL BE LAPPED WITH CLASS "B" TENSION SPLICES. UNLESS NOTED OTHERWISE, LAP LENGTHS EXPRESSED AS NUMBER OF BAR DIAMETERS SHALL BE AS FOLLOWS:

BAR SIZE	NORMAL WEIGHT CONCRETE, f'c (PSI)				
	CLASS	3000	4000	5000	6000
#6 OR SMALLER	A	44 DIAM	38 DIAM	34 DIAM	31 DIAM
	B	57 DIAM	50 DIAM	45 DIAM	41 DIAM
#7 OR GREATER	A	55 DIAM	48 DIAM	43 DIAM	39 DIAM
	B	72 DIAM	62 DIAM	56 DIAM	51 DIAM

3.9 REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER UNLESS NOTED OTHERWISE:

CONCRETE CAST AGAINST EARTH (NOT FORMED)	3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:	2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
SLABS & WALLS	1 1/2"
BEAM STIRRUPS & COLUMN TIES	1 1/2"

3.10 DO NOT PLACE PIPES OR DUCTS EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS WITHIN THE SLAB OR WALL UNLESS SPECIFICALLY SHOWN AND DETAILED STRUCTURAL DRAWINGS.

3.11 DO NOT WELD OR TACK WELD REINFORCING STEEL UNLESS APPROVED OR DIRECTED BY THE STRUCTURAL ENGINEER.

3.12 REINFORCING STEEL PLACEMENT SHALL BE INSPECTED IN ACCORDANCE WITH ACI 318, SECTION 1.3 BY A QUALIFIED OWNER'S REPRESENTATIVE.

3.13 NO SLAB SHALL HAVE COLD JOINTS IN A HORIZONTAL PLANE.

3.14 THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND PLACEMENT OF INSERTS, EMBEDDED PLATES, MASONRY ANCHORS, REGLETS, SLEEVES, DUCTWORK, PADS, AND ANCHOR RODS. THE INSERTS, EMBEDDED PLATES, ETC. SHALL NOT INTERFERE WITH CONCRETE REINFORCEMENT LOCATION.

3.15 NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

3.16 EXPOSED EXTERNAL CONCRETE CORNERS SHALL BE CHAMFERED 3/4 INCHES, UNLESS SHOWN OR NOTED OTHERWISE.

3.17 ARRANGEMENT AND DETAILS FOR REINFORCEMENT, INCLUDING BAR SUPPORTS AND SPACERS, SHALL BE IN ACCORDANCE WITH THE "A.C.I. DETAILING MANUAL (ACI SP-66)," LATEST EDITION.

STRUCTURAL STEEL

4.1 ALL STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION INC. "STEEL CONSTRUCTION MANUAL" LATEST EDITION.

4.2 UNLESS NOTED OTHERWISE, STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:

STEEL SHAPE (AISC)	TYPE OF STEEL (ASTM)
ANGLES & PLATES	A36

4.3 ALL BOLT HOLES SHALL BE STANDARD SIZE (BOLT Ø +1/16") UNLESS NOTED OTHERWISE ON DRAWINGS.

4.4 STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."

4.5 WELDING SHALL BE DONE BY CERTIFIED WELDERS AND SHALL CONFORM TO AWS D1.1 "STRUCTURAL WELDING CODE-STEEL," LATEST EDITION. ALL WELDING ELECTRODES SHALL HAVE A MINIMUM YIELD STRENGTH OF 70KSI.

WOOD NOTES

5.1 UNLESS NOTED OTHERWISE ALL WOOD CONSTRUCTION SHALL CONFORM TO CONVENTIONAL LIGHT-FRAME CONSTRUCTION PER THE 2018 INTERNATIONAL BUILDING CODE.

5.2 UNLESS NOTED OTHERWISE, ALL SOLID SAWN LUMBER AND TIMBER SHALL BE GRADE NO. 2 (OR BETTER) SOUTHERN YELLOW PINE WITH MOISTURE CONTENT LESS THAN OR EQUAL TO 19%.

5.3 ALL STRUCTURAL GLUED-LAMINATED TIMBER SHALL BE MANUFACTURED AND IDENTIFIED IN ACCORDANCE WITH ANSI/AITC A 1901 AND ASTM D5055.

5.4 ALL GLUED-LAMINATED TIMBER SHALL BE BALANCE SOUTHERN PINE 28F-2.1E SP WITH MOISTURE CONTENT LESS THAN OR EQUAL TO 19%.

5.5 ALL LUMBER, TIMBER, AND GLUED-LAMINATED TIMBER EXPOSED TO WEATHER, SOIL, CONCRETE, MASONRY, AND OR WET SERVICE CONDITIONS SHALL BE PRESERVATIVE-TREATED. ALL PRESERVATIVE-TREATED WOOD SHALL CONFORM TO AWPA U1 AND M4.

5.6 ALL CUTTING, NOTCHING OR DRILLING OF TREATED WOOD SHALL BE DONE PRIOR TO PRESSURE TREATING TO MAXIMUM EXTENT POSSIBLE. ALL FIELD CUTS, HOLES OR BEAM DAMAGE AFTER TREATMENT MUST BE FIELD TREATED TO PROTECT THE EXPOSED WOOD MATERIAL. THESE REQUIREMENTS ARE NOT APPLICABLE WHEN FULL-PENETRATION WITH THE PRESERVATIVE IS ACHIEVED.

5.7 ALL FASTENER END DISTANCES, EDGE DISTANCES AND SPACINGS MUST BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. WHERE HEADS WOULD BE VISIBLE, SCREWS MAY BE INSTALLED IN COUNTER-BORED HOLES TO CLEAR THE HEAD AND ALLOW APPROXIMATELY 5/8" FOR PLUGGING.

5.8 AT EACH SUPPORT, TONGUE AND GROOVE DECKING SHALL BE FACE NAILED AT EACH SUPPORT WITH A MINIMUM OF (2) 16d COMMON NAILS.

5.9 ALL BOLT SPACINGS MUST MEET THE FOLLOWING REQUIREMENTS: MIN. END DISTANCE: 7D, MIN. EDGE DISTANCE: 4D, MIN. SPACING: 4D, MAX. SPACING: 5" (D = BOLT DIAMETER) (U.N.O).

5.10 ALL BOLTS SHALL BE ASTM A307 (MIN.).

5.11 ALL MANUFACTURED HARDWARE SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MANUFACTURER'S SPECIFICATIONS.

5.12 ALL STEEL CONNECTIONS, FASTENERS, AND HARDWARE SHALL BE ADEQUATELY PROTECTED AGAINST CORROSION WITH A PROTECTIVE COATING APPROVED FOR USE IN THE APPLICABLE SERVICE CONDITION.

MASONRY

6.1 DESIGN AND CONSTRUCTION OF MASONRY SHALL BE IN ACCORDANCE WITH THE ACI/ASCE/TMS "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/TMS 402) AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602), LATEST EDITIONS.

6.2 QUALITY ASSURANCE AND INSPECTION OF MASONRY CONSTRUCTION ARE REQUIRED AS DEFINED BY THE "SPECIFICATION FOR MASONRY STRUCTURES" AND/OR THE BUILDING CODE.

6.3 U.N.O. MATERIALS FOR MASONRY CONSTRUCTION SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

SPECIFIED COMPRESSIVE STRENGTH OF MASONRY:	F'm = 2000 PSI
MORTAR	ASTM C270, TYPE 'S' MIN. COMPRESSIVE STRENGTH = 2800 PSI
GROUT	ASTM C476 MIN. COMPRESSIVE STRENGTH = 2500 PSI
REINFORCING BARS	ASTM A615, GRADE 60 (U.N.O) ASTM A706, GRADE 60 (WELDABLE-SEE PLANS)
HORIZONTAL JOINT REINF.	ASTM A951 WIRE FOR JOINT REINF.: ASTM A82
ANCHORS, TIES AND ACCESSORIES	PLATE AND BENT BEAR ANCHORS: ASTM A36 SHEET METAL ANCHORS & TIES: ASTM A366 WIRE MESH TIES: ASTM A185 WIRE TIES AND ANCHORS: ASTM A82
CORROSION PROTECTION	WIRE JOINT REINF., TIES AND ANCHORS: INTERIOR WALLS- ASTM A641 (0.1 OZ./SF) EXTERIOR WALLS- ASTM A153 (1.50 OZ./SF) SHEET METAL ANCHORS & TIES: ASTM A653, CLASS G60

6.4 VERTICAL CELLS TO BE FILLED WITH GROUT SHALL BE ALIGNED TO PROVIDE A CONTINUOUS, UNOBSTRUCTED OPENING OF THE DIMENSIONS SHOWN ON THE PLANS. CELLS WHICH WILL CONTAIN VERTICAL REINFORCEMENT SHALL HAVE A MINIMUM TWO (2) INCH CLEAR OPENING.

6.5 GROUT FOR FILLING REINFORCED OR NON-REINFORCED CELLS SHALL BE PLACED IN MAXIMUM FIVE (5) FOOT LIFTS AND CONSOLIDATED IN PLACE BY VIBRATION OR OTHER METHODS WHICH INSURE COMPLETE FILLING OF THE CELLS. ALL CELLS CONTAINING REINFORCING BARS OR SHALL BE FULLY GROUTED.

6.6 SOLID MASONRY UNITS SHALL BE LAID IN RUNNING BOND WITH FULL HEAD AND BED JOINTS. POINTS OF BEARING SHALL BE ON TWO (2) COURSES OF SOLID MASONRY OR TWO (2) COURSES OF HOLLOW MASONRY GROUTED SOLID.

6.7 U.N.O. PROVIDE CONTINUOUS, 9 GAUGE, LADDER TYPE, GALVANIZED HORIZONTAL JOINT REINFORCEMENT AT 16" O.C. VERTICALLY, AND IN THE FIRST COURSE ABOVE AND BELOW OPENINGS FOR A DISTANCE OF NOT LESS THAN 2'-0" BEYOND OPENINGS. PROVIDE ADJUSTABLE JOINT REINFORCEMENT AT MULTIWYTHE WALLS.

6.8 THE MINIMUM CLEAR DISTANCE BETWEEN PARALLEL REINFORCING BARS, EXCEPT IN COLUMNS SHALL BE EQUAL TO THE NOMINAL DIAMETER OF THE BAR.

6.9 AT SPLICES OF REINFORCEMENT BARS PROVIDE A LAP SPLICE. LENGTH OF SPLICE SHALL BE PER THE "REINFORCING BAR LAP SPLICE SCHEDULE FOR MASONRY CONSTRUCTION" TABLE SHOWN BELOW:

REINFORCING BAR LAP SPLICE SCHEDULE FOR MASONRY CONSTRUCTION	
BAR SIZE	Fy=60ksi
#3	1'-9"
#4	2'-3"
#5	2'-9"
#6	4'-9"
#7	7'-6"

6.10 ALL REINFORCING BARS SHALL BE COMPLETELY EMBEDDED IN MORTAR OR GROUT AND SHALL HAVE A COVERAGE OF MASONRY NOT LESS THAN:

BARS LARGER THAN #5.....2"
#5 BARS AND SMALLER.....1½"

6.11 PROVIDE GALVANIZED MASONRY ANCHORS ON BEAMS, GIRTS, AND COLUMNS IN CONTACT WITH MASONRY.

6.12 UNLESS OTHERWISE NOTED, PROVIDE (2) #5 BARS, FULL HEIGHT, AT EACH SIDE OF OPENINGS.

6.13 PROVIDE ADEQUATE TEMPORARY BRACING AS REQUIRED DURING CONSTRUCTION TO WITHSTAND LATERAL LOADS AND THE PRESSURES OF FLUID GROUT.

SPECIAL INSPECTIONS

7.0 WHERE APPLICATION IS MADE FOR CONSTRUCTION, THE OWNER SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM SPECIAL INSPECTIONS DURING CONSTRUCTION PER THE SCHEDULE OF SPECIAL INSPECTIONS.

7.1 SPECIAL INSPECTION REPORTS AND A FINAL REPORT IN ACCORDANCE WITH IBC 2018 SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND STRUCTURAL ENGINEER OF RECORD PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY.

7.2 SPECIAL INSPECTORS SHALL MEET THE MINIMUM SPECIAL INSPECTOR QUALIFICATIONS PER IBC 2018 TABLE 1704.2 WITH GEORGIA AMENDMENTS.

DRAWING LIST:	REV DATE:
S100: GENERAL NOTES	04.08.2025
S200: FOUNDATION PLAN	04.08.2025
S201: ROOF FRAMING PLAN	04.08.2025
S300: ELEVATIONS	04.08.2025
S301: TYPICAL SECTIONS	04.08.2025
S301: TYPICAL SECTIONS	04.08.2025
S400: TYPICAL CONCRETE DETAILS	04.08.2025
S500: TYPICAL TIMBER DETAILS	04.08.2025
S501: TYPICAL MASONRY DETAILS	04.08.2025

CONTEXT DESIGN, LLC | ARCHITECTURE | INTERIORS | PLANNING
2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

SHAMROCK PARK PAVILION
960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

Drawings and Specifications as instruments of service are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing and appropriate compensation to the Architect.

The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques, sequences, procedures, or for safety precautions and programs in connection with the project.

The General Contractor shall take adequate precaution to protect existing construction throughout all phases of construction. Damage to existing-to-remain construction or equipment shall be restored to original conditions at the contractor's expense.

Work shall be in compliance with all governing building code requirements, shall be executed in accordance with accepted industry standards, and shall conform to the regulations of the authorities having jurisdiction.

WILKES ENGINEERING GROUP
WILKES ENGINEERING GROUP, LLC
195 E. JARRARD STREET SUITE A2
CLEVELAND, GA 30528
(678) 653-4510
GA FIRM LICENSE NO: PEF007067
FIRM LICENSE EXP. DATE: 6/30/26

PROJECT #: J251023

GEORGIA REGISTERED No. PE041627 PROFESSIONAL ENGINEER LANCE HAROLD WILKES

04.08.2025

ISSUED:

04.08.2025	ISSUED FOR PERMIT

GENERAL NOTES

S100

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT: SHAMROCK PARK PAVILLION

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.1.1 Special Cases (work unusual in nature, including but not limited to alternative materials and systems, unusual design applications, materials and systems with special manufacturer's requirements - add additional rows as needed.)	Submittal review, shop (3) and/or field inspection	N			
1. Inspection of anchors post-installed in solid grouted masonry: Per research reports including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, masonry unit, grout, masonry compressive strength, anchor embedment and tightening torque	Field inspection	Y	Periodic or as required by the research report issued by an approved source		
2. Aggregate Pier Inspection: The special inspector's responsibilities include, but are not limited to, review of the aggregate per designer's use of soil parameters as presented in the project soils report, and during construction, verification of aggregate properties, type and number of lifts of aggregate, hole size and depths and tip elevations of the pier elements, and applied energy. Additionally, results of qualitative tests on production aggregate pier elements such as modulus load testing, uplift pull-out testing, bottom stabilization tests and dynamic cone penetration tests, shall be reviewed to verify compliance with design specifications.	Field inspection	N	Periodic or as required by the research report issued by an approved source		
1705.2.1 Structural Steel Construction					
1. Fabricator and erector documents (Verify reports and certificates as listed in AISC 360, Section N 3.2 for compliance with construction documents)	Submittal Review		Each submittal		
2. Material verification of structural steel	Shop (3) and field inspection	Y	Periodic		
3. Structural steel welding:					
a. Inspection tasks Prior to Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-1)	Shop (3) and field inspection	Y	Observe or Perform as noted (4)		
b. Inspection tasks During Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-2)	Shop (3) and field inspection	Y	Observe (4)		
c. Inspection tasks After Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-3)	Shop (3) and field inspection	Y	Observe or Perform as noted (4)		
d. Nondestructive testing (NDT) of welded joints:					
1) Complete penetration groove welds 5/16" or greater in *risk category* III or IV	Shop (3) or field ultrasonic testing - 100%	N	Periodic		
2) Complete penetration groove welds 5/16" or greater in *risk category* II	Shop (3) or field ultrasonic testing - 10% of welds minimum	N	Periodic		
3) Welded joints subject to fatigue when required by AISC 360, Appendix 3, Table A-3.1	Shop (3) or field radiographic or Ultrasonic testing	N	Periodic		

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT: SHAMROCK PARK PAVILLION

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
4) Fabricator's NDT reports when fabricator performs NDT	Verify reports	Y	Each submittal (5)		
4. Structural steel bolting:	Shop (3) and field inspection				
a. Inspection tasks Prior to Bolting (Observe, or perform tasks for each bolted connection, in accordance with QA tasks listed in AISC 360, Table N5.6-1)		Y	Observe or Perform as noted (4)		
b. Inspection tasks During Bolting (Observe the QA tasks listed in AISC 360, Table N5.6-2)		Y	Observe (4)		
1) Pre-tensioned and slip-critical joints		N			
a) Turn-of-nut with matching markings		N	Periodic		
b) Direct tension indicator		N	Periodic		
c) Twist-off type tension control bolt		N	Periodic		
d) Turn-of-nut without matching markings		N	Continuous		
e) Calibrated wrench		N	Continuous		
2) Snug-tight joints		Y	Periodic		
c. Inspection tasks After Bolting (Perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5.6-3)		Y	Perform (4)		
5. Visual inspection of exposed cut surfaces of galvanized structural steel main members and exposed corners of the rectangular HSS for cracks subsequent to galvanizing	Shop (3) or field inspection	N	Periodic		
6. Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors)	Field inspection	Y	Periodic		
7. Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents	Field inspection	Y	Periodic		
1705.2.2 Cold-Formed Steel Deck					
1. Manufacturer documents (Verify reports and certificates as listed in SDI QA/QC, Section 2, Paragraphs 2.1 and 2.2 for compliance with construction documents)	Submittal Review	N	Each submittal		
2. Material verification of steel deck, mechanical fasteners and welding materials	Shop (3) and field inspection	N	Periodic		
3. Cold-formed steel deck placement:	Shop (3) and field inspection	N			
a. Inspection tasks Prior to Deck Placement (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.1).		N	Perform (4)		
b. Inspection tasks After Deck Placement (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.2).		N	Perform (4)		
4. Cold-formed steel deck welding:	Shop (3) and field inspection				
a. Inspection tasks Prior to Welding (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.3)		N	Observe (4)		
b. Inspection tasks During Welding (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.4)		N	Observe (4)		
c. Inspection tasks After Welding (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.5)		N	Perform (4)		
5. Cold-formed steel deck mechanical fastening:	Shop (3) and field inspection				

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT: SHAMROCK PARK PAVILLION

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
a. Inspection tasks Prior to Mechanical Fastening (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.6)		N	Observe (4)		
b. Inspection tasks During Mechanical Fastening (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.7)		N	Observe (4)		
c. Inspection tasks After Mechanical Fastening (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.8)		N	Perform (4)		
1705.2.3. Open-Web Steel Joists and Joist Girders					
1. Installation of open-web steel joists and joist girders.					
a. End connections - welding or bolted	per SJI CJ or SJI 100	N	Periodic		
b. Bridging - horizontal or diagonal.					
1) Standard bridging.	per SJI CJ or SJI 100	N	Periodic		
2) Bridging that differs from the specifications listed in SJI CJ or SJI 100.		N	Periodic		
1705.2.4. Cold-Formed Steel Trusses Spanning 60 feet or Greater					
Verify temporary and permanent restraint/bracing are installed in accordance with the approved truss submittal package.	Field inspection	N	Periodic		
1705.3 Concrete Construction					
1. Inspect reinforcement, including prestressing tendons, and verify placement.	Shop (3) and field inspection	Y	Periodic		
2. Reinforcing bar welding:					
a. Verification of weldability of bars other than ASTM A706.		Y	Periodic		
b. Inspection of single-pass fillet welds 5/16 or less in size.		Y	Periodic		
c. Inspection of all other welds.		Y	Continuous		
3. Inspection of anchors cast in concrete.	Shop (3) and field inspection	Y	Periodic		
4. Inspection of anchors post-installed in hardened concrete members per research reports, or, if no specific requirements are provided, requirements shall be provided by the registered design professional and approved by the building official, including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque	Field inspection	Y	Periodic or as required by the research report issued by an approved source		
a. Adhesive anchors installed in horizontal or upward-inclined orientation that resist sustained tension loads.		Y	Continuous		
b. Mechanical and adhesive anchors note defined in 4a.		Y	Periodic		
5. Verify use of approved design mix	Shop (3) and field inspection	Y	Periodic		
6. a. Prior to placement, fabricate specimens for strength tests, fresh concrete sampling, perform slump or slump flow, and air content density tests, and determine temperature of concrete.	Shop (3) and field inspection	Y	Continuous		
6. b. Verify that concrete specimens for strength tests are maintained in the required initial curing and laboratory curing environment, and that the maximum and minimum temperatures during the initial curing period are reported.	Shop (3) and field inspection	Y	Continuous		

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT: SHAMROCK PARK PAVILLION

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
7. Inspection of concrete and shotcrete placement for proper application techniques	Shop (3) and field inspection	Y	Continuous		
8. Verify maintenance of specified curing temperature and techniques	Shop (3) and field inspection	Y	Periodic		
9. Inspection of prestressed concrete:	Shop (3) and field inspection				
a. Application of prestressing force		N	Continuous		
b. Grouting of bonded prestressing tendons		N	Continuous		
10. Inspect erection of precast concrete members		N	Periodic		
11. Verification of in-situ concrete strength, prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs	Review field testing and laboratory reports	N	Periodic		
12. Inspection of formwork for shape, lines, location and dimensions	Field inspection	Y	Periodic		
13. Concrete strength testing and verification of compliance with construction documents.	Field testing and review of laboratory reports	Y	Periodic		
1705.4 Masonry Construction					
MINIMUM VERIFICATION REQUIREMENTS					
(A) Level 1, 2 and 3 Quality Assurance:					
1. Prior to construction, verification of compliance of submittals	Submittal Review	Y	Prior to Construction		
(B) Level 2 & 3 Quality Assurance:					
1. Prior to construction verification of fm and f'_{AAC} except where specifically exempted by the code	Testing by unit strength method or prism test method	Y	Prior to Construction		
2. During construction, verification of Slump Flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to project site.	Testing by unit strength method or prism test method	Y	Periodic		
(C) Level 3 Quality Assurance:					
1. During construction, verification of fm and f'_{AAC} for every 5,000 SF	Testing by unit strength method or prism test method	N	Periodic		
2. During construction, verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout	Field inspection	N	Periodic		
MINIMUM SPECIAL INSPECTION REQUIREMENTS					
(D) Levels 2 and 3 Quality Assurance:					
1. As masonry construction begins, verify that the following are in					
a. Proportions of the site-prepared mortar	Field inspection	Y	Periodic		

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT: SHAMROCK PARK PAVILLION

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
b. Grade and size of prestressing tendons and anchorages	Field Inspection	N	Periodic		
c. Grade, type, and size of reinforcement, anchor bolts, and prestressing tendons and anchorages	Field Inspection	Y	Periodic		
d. Prestressing technique	Field Inspection	N	Periodic		
e. Properties of thin-bed mortar for AAC masonry	Field Inspection	N	Level 2 - Continuous[b] Level 2 - Periodic[c]		
		N	Level 3 - Continuous		
f. Sample panel construction	Field Inspection	N	Level 2 - Periodic		
		N	Level 3 - Continuous		
2. Prior to grouting, verify that the following are in compliance:					
a. Grout space	Field Inspection	Y	Level 2 - Periodic		
		N	Level 3 - Continuous		
b. Placement of prestressing tendons and anchorages	Field Inspection	N	Periodic		
c. Placement of reinforcement, connectors, and anchor bolts	Field Inspection	Y	Level 2 - Periodic		
		N	Level 3 - Continuous		
d. Proportions of site-prepared grout and prestressing grout for bonded tendons	Field Inspection	Y	Periodic		
3. Verify compliance of the following during construction:					
a. Materials and procedures with the approved submittals	Field Inspection	Y	Periodic		
b. Placement of masonry units and mortar joint constituents	Field Inspection	Y	Periodic		
c. Size and location of structural members	Field Inspection	Y	Periodic		
d. Type, size, location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	Field Inspection	Y	Level 2 - Periodic		
		N	Level 3 - Continuous		
e. Welding of reinforcement	Field Inspection	N	Continuous		
f. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F)	Field Inspection	Y	Periodic		
g. Application and measurement of prestressing force	Field testing	N	Continuous		
h. Placement of grout and prestressing grout for bonded tendons is in compliance	Field Inspection	N	Continuous		
i. Placement of AAC masonry units and construction of thin-bed mortar joints	Field Inspection	N	Level 2 - Continuous[b] Level 2 - Periodic[c]		
		N	Level 3 - Continuous		
4. Observe preparation of grout specimens, mortar specimens, and/or prisms	Field Inspection	Y	Level 2 - Periodic		
		N	Level 3 - Continuous		

(b) Required for the first 5,000 square feet
(c) Required after the first 5,000 square feet

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT: SHAMROCK PARK PAVILLION

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.5 Wood Construction					
1. For prefabricated wood structural elements, inspection of the fabrication process and assemblies in accordance with Section 1704.2.5.	In-plant review (3)	N	Periodic		
2. For high-load diaphragms, verify grade and thickness of structural panel sheathing agree with approved building plans.	Field inspection	N	Periodic		
3. For high-load diaphragms, verify nominal size of framing members at adjoining panel edges, nail or staple diameter and length, number of fastener lines, and that spacing between fasteners in each line and at edge margins agree with approved building plans.	Field inspection	N	Periodic		
4. Metal-plate-connected wood trusses:					
a. Verification that permanent individual truss member restraint/bracing has been installed in accordance with the approved truss submittal package when the truss height is greater than or equal to 60".	Field inspection	N	Periodic		
b. For trusses spanning 60 feet or greater: verify temporary and permanent restraint/bracing are installed in accordance with the approved truss submittal package.	Field inspection	N	Periodic		
1705.5.3 Mass Timber Construction					
1. Inspection of anchorage and connection of mass timber construction to timber deep foundation systems.	Field inspection	N	Periodic		
2. Inspect erection of mass timber construction.	Field inspection	N	Periodic		
3. Inspection of connections where installation methods are required to meet design loads.					
a. Threaded Fasteners					
1) Verify use of proper installation equipment.	Field inspection	N	Periodic		
2) Verify use of pre-drilled holes where required.	Field inspection	N	Periodic		
3) Inspect screws, including diameter, length, head type, spacing, installation angle, and depth.	Field inspection	N	Periodic		
b. Adhesive anchors installed in horizontal or upwardly inclined orientation to resist sustained tension loads.	Field inspection	N	Continuous		
c. Other adhesive anchors.	Field inspection	N	Periodic		
d. Bolted connections.	Field inspection	N	Periodic		
e. Concealed connections.	Field inspection	N	Periodic		

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT: SHAMROCK PARK PAVILLION

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.6 Soils					
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Field inspection	Y	Periodic		
2. Verify excavations are extended to proper depth and have reached proper material.	Field inspection	Y	Periodic		
3. Perform classification and testing of compacted fill materials.	Field inspection	Y	Periodic		
4. Verify use of proper materials, densities, and lift thicknesses during placement and compaction of controlled fill.	Field inspection	Y	Continuous		
5. Prior to placement of controlled fill, inspect subgrade and verify that site has been prepared properly.	Field inspection	Y	Periodic		
1705.7 Driven Deep Foundations					
1. Verify element materials, sizes and lengths comply with requirements	Field inspection	N	Continuous		
2. Determine capacities of test elements and conduct additional load tests, as required.	Field inspection	N	Continuous		
3. Inspect driving operations and maintain complete and accurate records for each element.	Field inspection	N	Continuous		
4. Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element.	Field inspection	N	Continuous		
5. For steel elements, perform additional inspections per Section 1705.2	See Section 1705.2	N	See Section 1705.2		
6. For concrete elements and concrete-filled elements, perform tests and additional inspections per Section 1705.3.	See Section 1705.3	N	See Section 1705.3		
7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge	Field inspection	N	In accordance with construction documents		
1705.8 Cast-in-Place Deep Foundations					
1.Inspect drilling operations and maintain complete and accurate records for each element.	Field inspection	N	Continuous		
2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. Record concrete or grout volumes.	Field inspection	N	Continuous		
3. For concrete elements, perform tests and additional inspections in accordance with Section 1705.3.	See Section 1705.3	N	See Section 1705.3		
1705.9 Helical Pile Foundations					
Verify installation equipment, pile dimensions, tip elevations, final depth, final installation torque and other installation data as required by construction documents.	Field inspection	N	Continuous		

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT: SHAMROCK PARK PAVILLION

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.10 Fabricated items					
1. List of fabricated items requiring special inspection during fabrication:	Shop inspection	N	As noted in each applicable shop activity		
2. List of fabricated items to be fabricated on the premises of a fabricator approved to perform such work without special inspection (including name of approved agency providing periodic auditing)					
1705.11.1 Structural Wood Special Inspections For Wind Resistance					
1. Inspection of field gluing operations of elements of the main windforce-resisting system	Field inspection	N	Continuous		
2. Inspection of nailing, bolting, anchoring and other fastening of components within the main windforce-resisting system, including wood shear walls, wood diaphragms, drag struts, braces and hold-downs.	Shop (3) and field inspection	N	Periodic		
1705.11.2 Cold-formed Steel Special Inspections For Wind Resistance					
1.Inspection during welding operations of elements of the main windforce-resisting system	Shop (3) and field inspection	N	Periodic		
2. Inspection of screw attachment, bolting, anchoring and other fastening of components within the main windforce-resisting system, including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs.	Shop (3) and field inspection	N	Periodic		
1705.11.3 Wind-resisting Components					
1. Roof covering, roof deck and roof framing connections.	Shop (3) and field inspection	Y	Periodic		
2. Exterior wall covering and wall connections to roof and floor diaphragms.	Shop (3) and field inspection	N	Periodic		
1705.12.1 Structural Steel Special Inspections for Seismic Resistance					
1. Seismic force-resisting systems in SDC B, C, D, E, or F.	Shop (3) and field inspection	N	In accordance with AISC 341		
2. Structural steel elements in SDC B, C, D, E, or F other than those in Item 1. including struts, collectors, chords and foundation elements.	Shop (3) and field inspection	N	In accordance with AISC 341		
1705.12.2 Structural Wood Special Inspections for Seismic Resistance					
1. Field gluing operations of elements of the seismic-force-resisting system for SDC C, D, E or F.	Field inspection	N	Continuous		
2. Nailing, bolting, anchoring and other fastening of components within the seismic-force-resisting system including wood shear walls, wood diaphragms, drag struts, shear panels and hold-downs for SDC C, D, E or F.	Shop (3) and field inspection	N	Periodic		
1705.12.3 Cold-formed Steel Light-Frame Construction Special Inspections for Seismic Resistance					
1. During welding operations of elements of the seismic-force-resisting system for SDC C, D, E or F.	Shop (3) and field inspection	N	Periodic		
2. Screw attachment, bolting, anchoring and other fastening of components within the seismic-force-resisting system including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs for SDC C, D, E or F.	Shop (3) and field inspection	N	Periodic		

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT: SHAMROCK PARK PAVILLION

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.12.4 Designated Seismic Systems Verification Special Inspections for Seismic Resistance					
For SDC C, D, E or F, inspect and verify that that the component label, anchorage or mounting conforms to the certificate of compliance in accordance with ASCE 7 Section	Field inspection	N	Periodic		

SCHEDULE OF SPECIAL INSPECTIONS SERVICES

PROJECT: SHAMROCK PARK PAVILLION

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.12.7 Storage Racks Special Inspections for Seismic Resistance					
Inspection during the installation of storage racks 8 feet or greater in height in structures assigned to SDC D, E or F.	Field inspection	N	Periodic		
1705.12.8 Seismic Isolation Systems					
Inspection during the fabrication and installation of isolator units and energy dissipation devices used as part of the seismic isolation system in structures assigned to SDC B, C, D, E or F.	Shop and field inspection	N	Periodic		
1705.12.9 Cold-formed Steel Special Bolted Moment Frames					
Inspection of installation of cold-formed steel special bolted moment frames in the seismic force-resisting systems in structures assigned to SDC D, E or F.	Field inspection	N	Periodic		
1705.13.1 Structural Steel Testing for Seismic Resistance					
1. Nondestructive testing of structural steel in the seismic force-resisting systems in accordance with AISC 341 in structures assigned to SDC B, C, D, E or F.	Field test	N	Periodic		
2. Nondestructive testing of structural steel elements in the seismic force-resisting systems not covered in 1 above including struts, collectors, chords and foundation elements in accordance with AISC 341 in structures assigned to SDC B, C, D, E or F.	Field test	N	Periodic		
1705.13.2 Seismic Certification of Nonstructural Components					
Review certificate of compliance for designated seismic system components in structures assigned to SDC B, C, D, E or F.	Certificate of compliance review	N	Each submittal		
1705.13.3 Seismic Certification of Designated Seismic Systems					
Review certificate of compliance for designated seismic system components in structures assigned to SDC C, D, E or F.	Certificate of compliance review	N	Each submittal		
1705.13.4 Seismic Isolation Systems					
Test seismic isolation system in accordance with ASCE 7 Section 17.8 in structures assigned to SDC B, C, D, E or F.	Prototype testing	N	Per ASCE 7		

* INSPECTION AGENTS	FIRM	ADDRESS	TELEPHONE NO.
1.			
2.			
3.			
4.			

Notes: 1. The inspection and testing agent(s) shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work. The qualifications of the Special Inspector(s) and/or testing agencies may be subject to the approval of the Building Official and/or the Design Professional.

2. The list of Special Inspectors may be submitted as a separate document, if noted so above.

3. Shop Inspections of fabricated items are not required where the fabricator is approved in accordance with IBC Section 1704.2.5.1 and listed in activity 1704.2.

4. Observe: Observe on a random basis, operations need not be delayed pending these inspections. Perform: These tasks shall be performed for each welded joint, bolted connection, or steel element.

5. NDT of welds completed in an approved fabricator's shop may be performed by that fabricator when approved by the AHJ. Refer to AISC 360, N6.

Are *Special Inspections for Seismic Resistance* included in the *Statement of Special Inspections*? **Yes** **No**

Are *Special Inspections for Wind Resistance* included in the *Statement of Special Inspections*? **Yes** **No**

DATE:

CONTEXT
ARCHITECTURE | INTERIORS | PLANNING

2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

SHAMROCK PARK PAVILION

960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

WILKES ENGINEERING GROUP, LLC
195 E. JARRARD STREET SUITE A2
CLEVELAND, GA 30528
(678) 653-4510
GA FIRM LICENSE NO: PEF007067
FIRM LICENSE EXP. DATE: 6/30/26

PROJECT #: J251023

GEORGIA REGISTERED No. PE041627 PROFESSIONAL ENGINEER LANCE HAREDMILKES

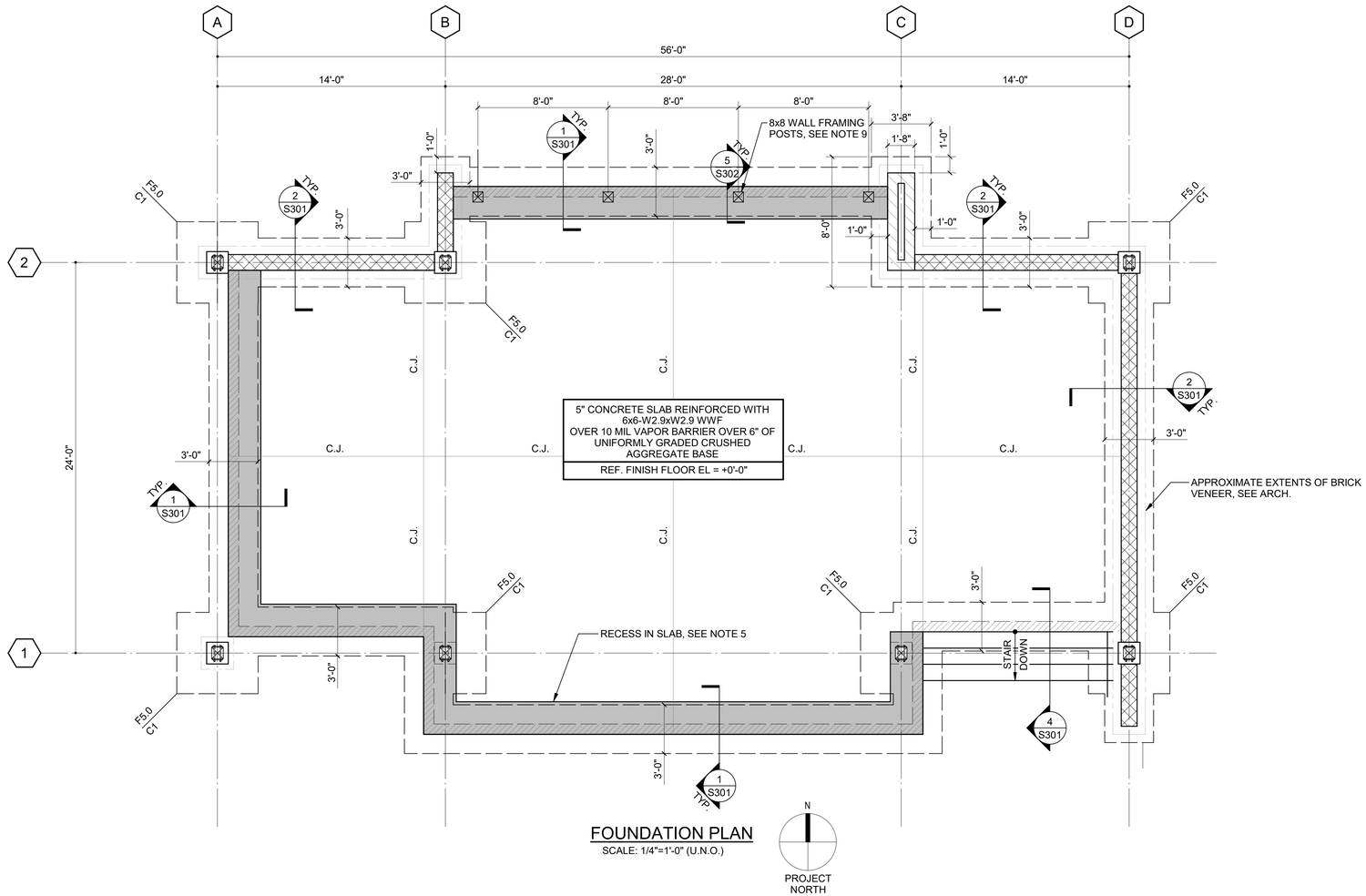
04.08.2025

ISSUED:

04.08.2025	ISSUED FOR PERMIT

SCHEDULE OF SPECIAL INSPECTIONS

S101



FOUNDATION PLAN

SCALE: 1/4"=1'-0" (U.N.O.)

N

PROJECT NORTH

NOTES:

1. FX INDICATES FOOTING MARK, SEE FOOTING SCHEDULE ON THIS SHEET.
2. CX INDICATES COLUMN MARK, SEE COLUMN SCHEDULE ON THIS SHEET.
3. SEE S100 FOR GENERAL NOTES.
4. SEE S400 SERIES DRAWINGS FOR TYPICAL FOUNDATION DETAILS.
5. INDICATES 4" RECESS IN SLAB-ON-GRADE, SEE 1/S301 FOR ADDITIONAL INFORMATION. COORDINATE EXTENTS WITH ARCH.
6. INDICATES 8" CMU WALL TYPE MW-1. SEE 1/S501 FOR ADDITIONAL INFORMATION.
7. INDICATES 8" CMU WALL TYPE MW-2. SEE 1/S501 FOR ADDITIONAL INFORMATION.
8. INDICATES 12" CMU WALL TYPE MW-3. SEE 1/S501 FOR ADDITIONAL INFORMATION.
9. 8x8 POSTS SHALL BE GRADE NO. 1 SOUTHERN YELLOW PINE (8-1/2x8-1/2 GLULAM ALTERNATE). SEE 3/S302 FOR CONNECTION AT HEAD OF POST. SEE 5/S302 FOR CONNECTION AT BASE OF POST. SEE 6/S302 FOR TYPICAL WALL GIRT FRAMING.

FOOTING SCHEDULE

FOOTING MARK	SIZE			REF. TOP OF FOOTING EL.	REINFORCEMENT	DETAIL
	WIDTH	LENGTH	THICKNESS			
F5.0	5'-0"	5'-0"	1'-0"	SEE DETAILS	5-#5 BARS E.W. T&B	1/S400

GLULAM COLUMN SCHEDULE

COLUMN MARK	SIZE		MATERIAL
	WIDTH	LENGTH	
C1	8-1/2"	8-1/2"	28F-2.1E SP

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Marietta, Georgia 30062
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donwhitten.aia@gmail.com

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960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

WILKES ENGINEERING GROUP
WILKES ENGINEERING GROUP, LLC
195 E. JARRARD STREET SUITE A2
CLEVELAND, GA 30528
(678) 653-4510
GA FIRM LICENSE NO: PEF007067
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04.08.2025

ISSUED:

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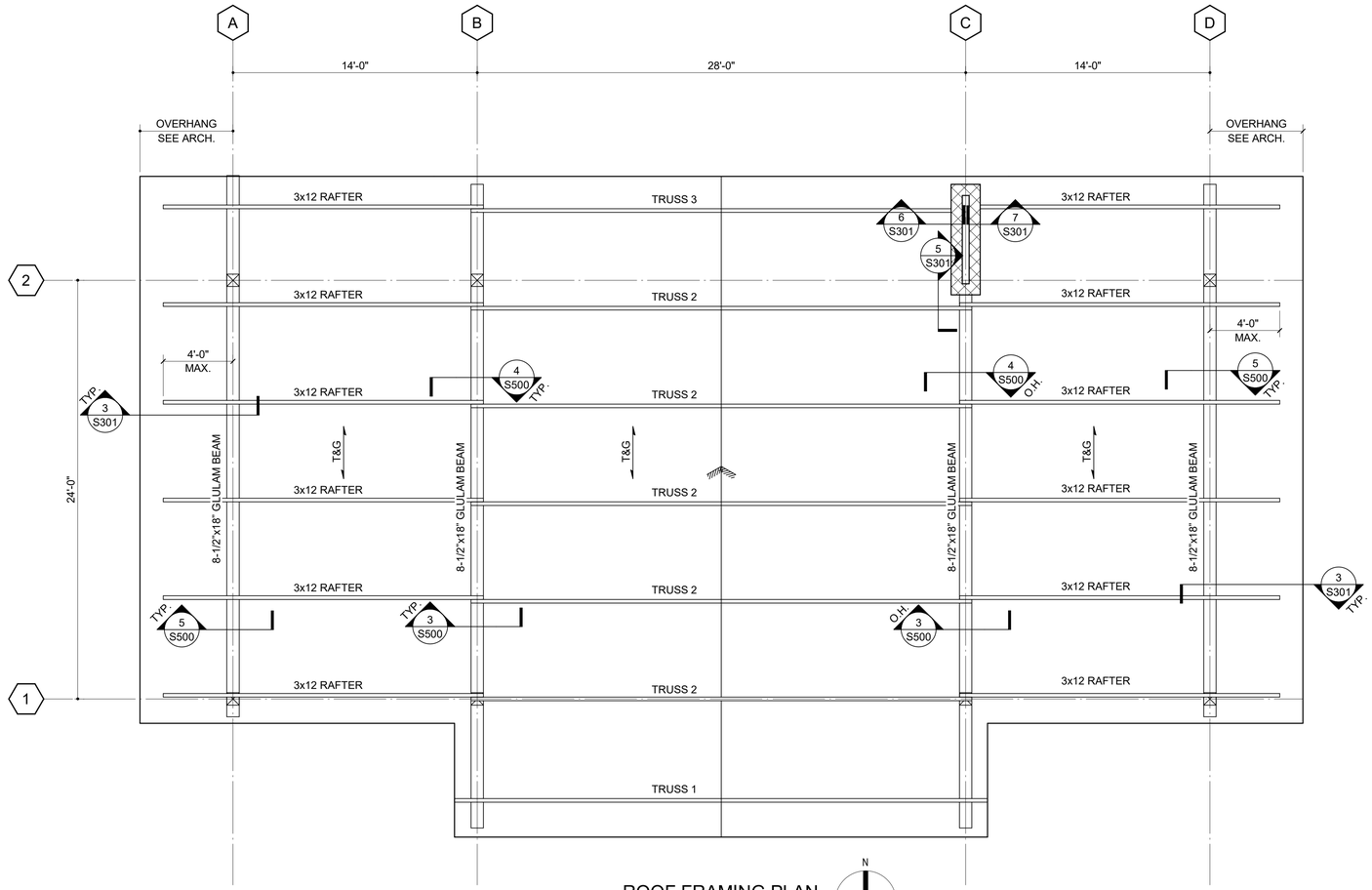
FOUNDATION PLAN

S200



ROOF FRAMING PLAN

SCALE: 1/4"=1'-0" (U.N.O.)

N

PROJECT NORTH

NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR ROOF ELEVATIONS.
2. SEE S100 FOR GENERAL NOTES.
3. SEE S500 SERIES DRAWINGS FOR TYPICAL FRAMING DETAILS.
4. SEE SHEET S300 FOR TTRUSS ELEVATIONS.
5. T&G INDICATES 2x6 TONGUE AND GROOVE ROOF DECKING. SEE GENERAL NOTES FOR ATTACHMENT.

CONTEXT
ARCHITECTURE | INTERIORS | PLANNING
2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

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960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

WILKES ENGINEERING
WILKES ENGINEERING GROUP, LLC
195 E. JARRARD STREET SUITE A2
CLEVELAND, GA 30528
(678) 653-4510
GA FIRM LICENSE NO: PEF007067
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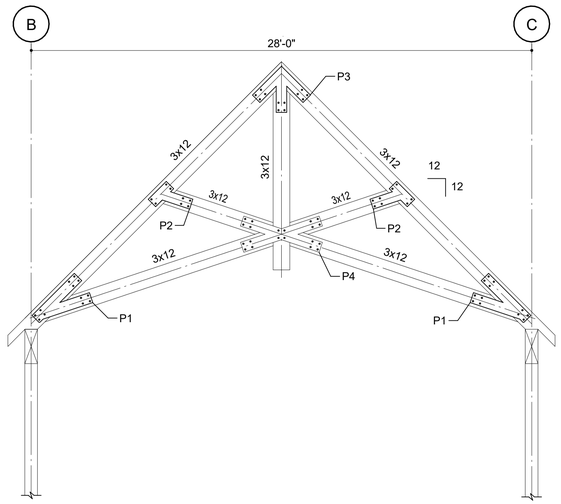
ROOF FRAMING PLAN

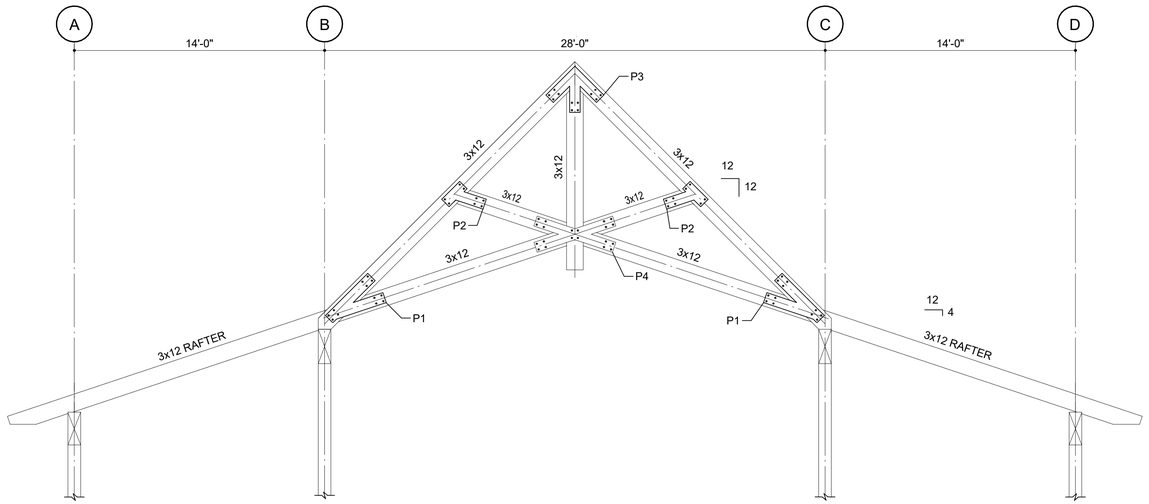
S201



NOTES:
1. SEE S500 FOR PLATE MARK DETAILS

1 TRUSS 1 ELEVATION

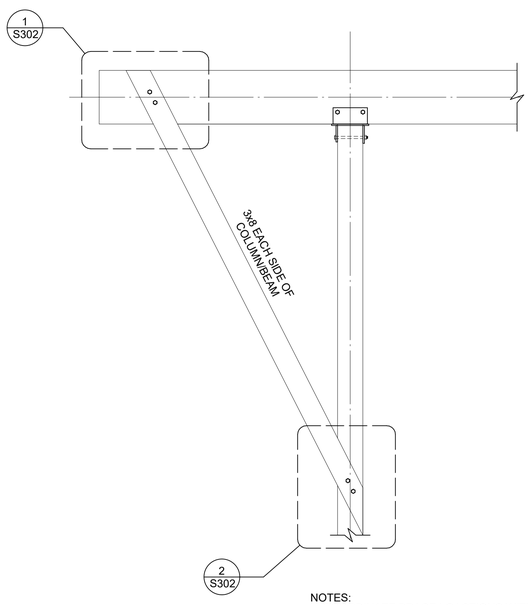
SCALE = N.T.S.



NOTES:
1. SEE S500 FOR PLATE MARK DETAILS

2 TRUSS 2 ELEVATION

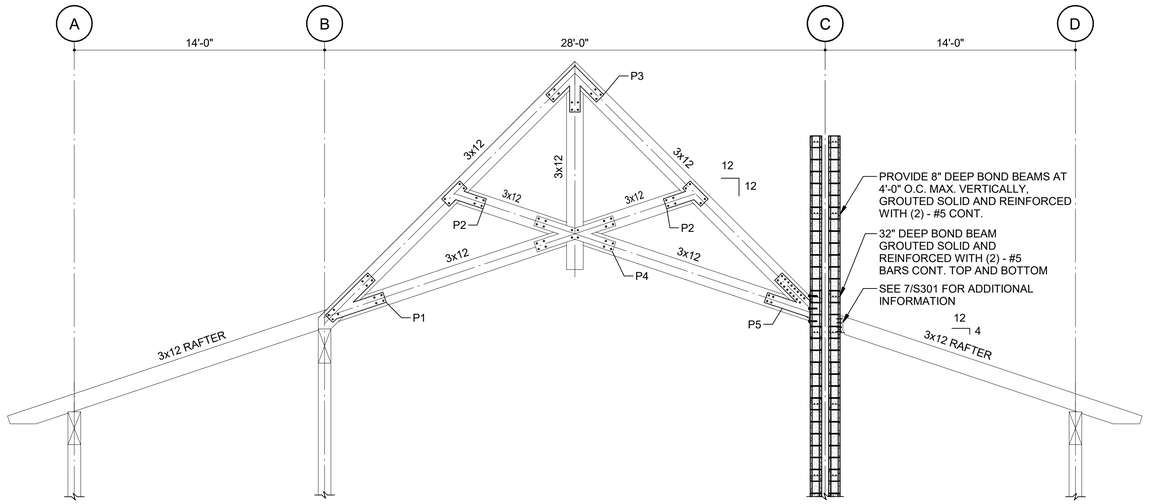
SCALE = N.T.S.



NOTES:
1. COORDINATE BRACE LOACTIONS WITH ARCH.

4 TYPICAL BRACE ELEVATION

SCALE = N.T.S.



NOTES:
1. SEE S500 FOR PLATE MARK DETAILS

4 TRUSS 3 ELEVATION

SCALE = N.T.S.

CONTEXT
DESIGN | BUILD | PLAN | DEVELOPMENT | CONSULTING

2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

SHAMROCK PARK PAVILION

960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

WILKES ENGINEERING GROUP, LLC
195 E. JARRARD STREET SUITE A2
CLEVELAND, GA 30528
(678) 653-4510
GA FIRM LICENSE NO: PEF007087
FIRM LICENSE EXP. DATE: 6/30/26

PROJECT #: J251023

GEORGIA REGISTERED No. PE041627 PROFESSIONAL ENGINEER LANCE GARED WILKES

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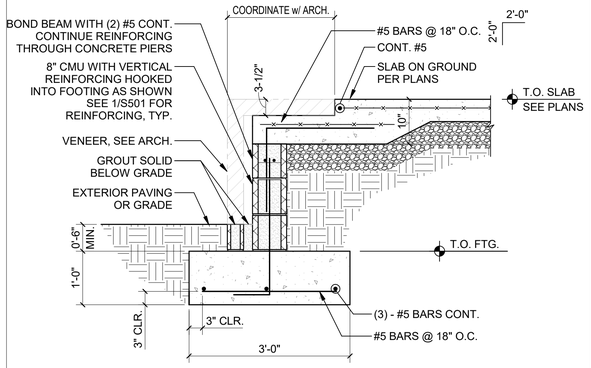
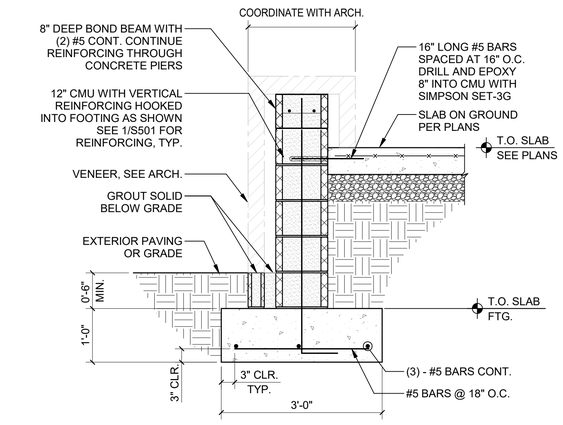
ELEVATIONS

S300



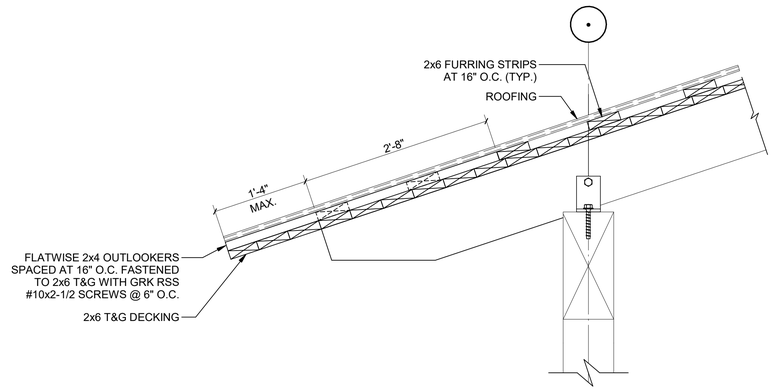
1 TYPICAL SECTION AT CMU FOUNDATION WALL

SCALE = N.T.S.



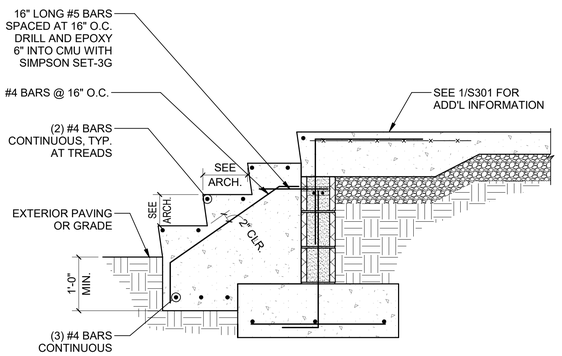
2 TYPICAL SECTION AT DOUBLE CMU FOUNDATION WALL

SCALE = N.T.S.



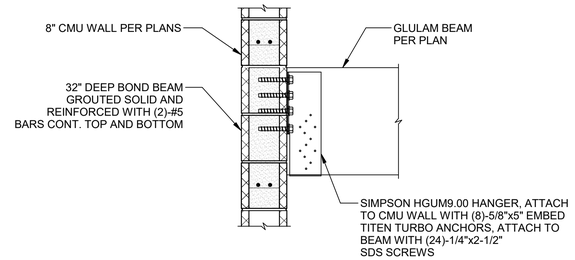
3 TYPICAL OUTLOOKER DETAIL

SCALE = N.T.S.



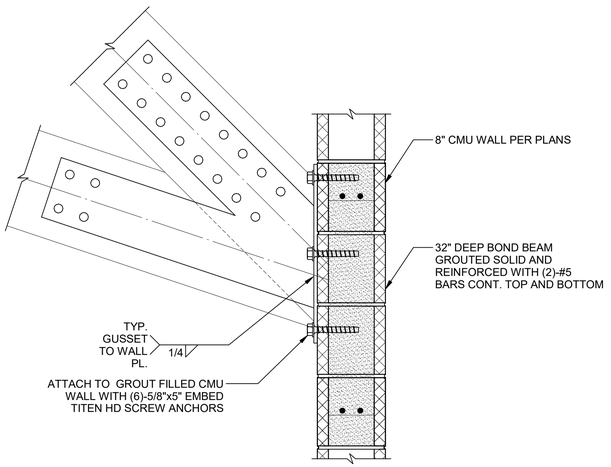
4 TYPICAL STAIR ON GROUND DETAIL

SCALE = N.T.S.



5 TYPICAL RAFTER END CONNECTION TO CMU

SCALE = N.T.S.



6 TYPICAL TRUSS CONNECTION TO CMU WALL

SCALE = N.T.S.

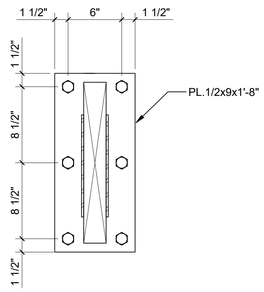
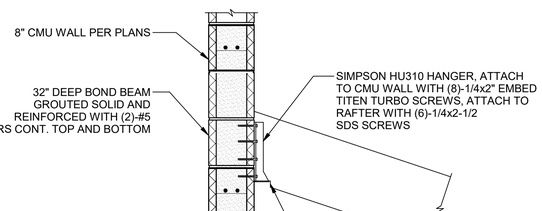


PLATE DETAIL



7 TYPICAL GLULAM BEAM END CONNECTION TO CMU

SCALE = N.T.S.

CONTEXT
ARCHITECTURE | PLANNING | INTERIORS

2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

SHAMROCK PARK PAVILION

960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

WILKES ENGINEERING GROUP

WILKES ENGINEERING GROUP, LLC
195 E. JARRARD STREET SUITE A2
CLEVELAND, GA 30528
(678) 653-4510
GA FIRM LICENSE NO: PEF007067
FIRM LICENSE EXP. DATE: 6/30/26

PROJECT #: J251023

GEORGIA REGISTERED No. PE041627 PROFESSIONAL ENGINEER LANCE HAMED WILKES

04.08.2025

ISSUED:

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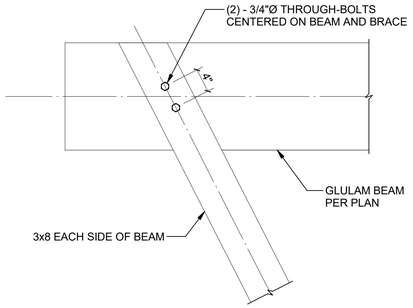
TYPICAL SECTIONS

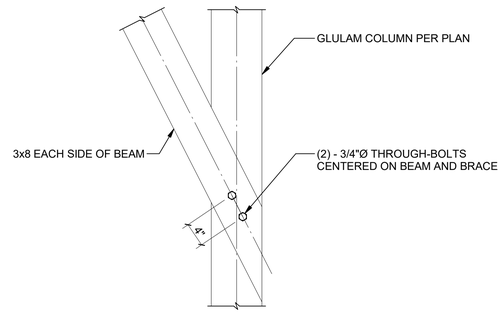
S301



NOTES:
1. COORDINATE BRACE LOACTIONS WITH ARCH.

1 TYPICAL BRACE CONNECTION TO GLULAM BEAM

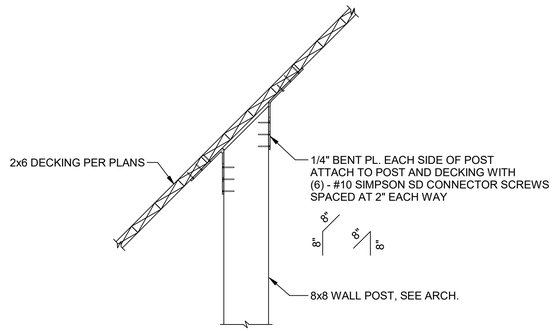
SCALE = N.T.S.



NOTES:
1. COORDINATE BRACE LOACTIONS WITH ARCH.

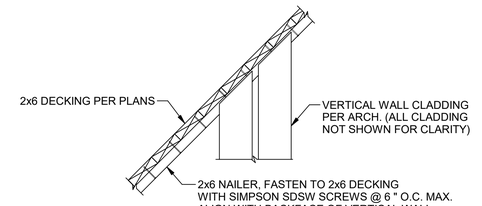
2 TYPICAL BRACE CONNECTION TO GLULAM BEAM

SCALE = N.T.S.



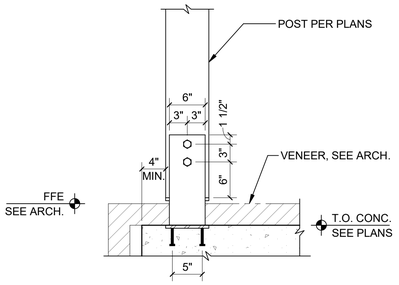
3 TYPICAL WIND POST CONNECTION TO DECKING

SCALE = N.T.S.



4 TYPICAL NAILER FOR VERTICAL WALL CLADDING

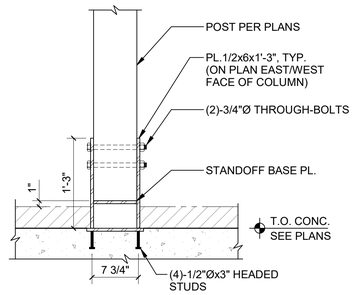
SCALE = N.T.S.

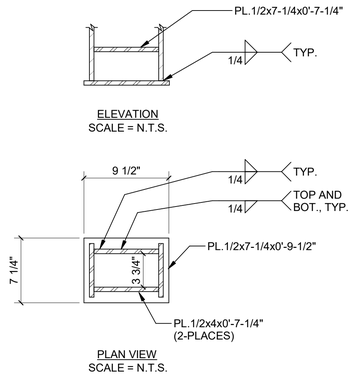


NOTE:
INCREASE PLATE DIMENSIONS AS REQUIRED
FOR GLULAM POST ALTERNATE

5 TYPICAL WIND POST BASE

SCALE = N.T.S.

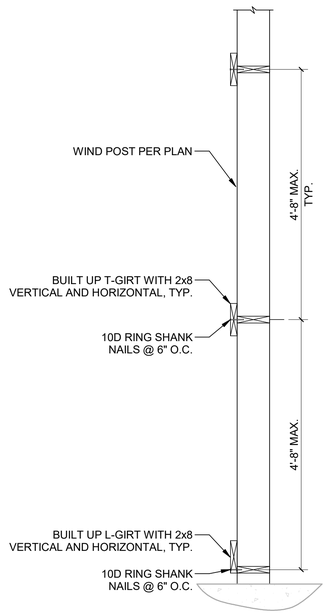




ELEVATION
SCALE = N.T.S.

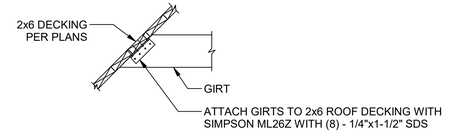
PLAN VIEW
SCALE = N.T.S.

STANDOFF BASE PL. DETAIL

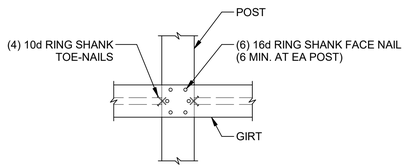


6 TYPICAL WALL GIRT DETAIL

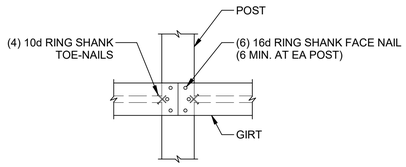
SCALE = N.T.S.



ELEVATION AT ROOF



ELEVATION CONT.



ELEVATION SPLICE

GIRT TO POST CONNECTION DETAIL

CONTEXT
ARCHITECTURE | PLANNING | INTERIORS
2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

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CLEVELAND, GA 30528
(678) 653-4510
GA FIRM LICENSE NO: PEF007067
FIRM LICENSE EXP. DATE: 6/30/26

PROJECT #: J251023

GEORGIA REGISTERED No. PE041627 PROFESSIONAL ENGINEER LANCE EDWARD WILKES

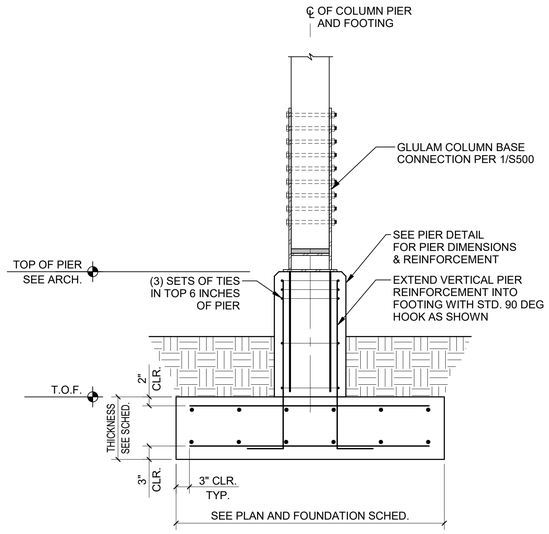
04.08.2025

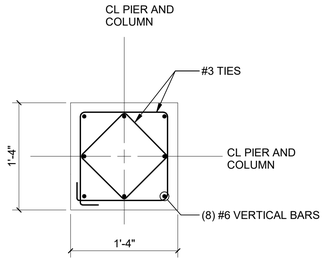
ISSUED:

04.08.2025	ISSUED FOR PERMIT

TYPICAL SECTIONS

S302





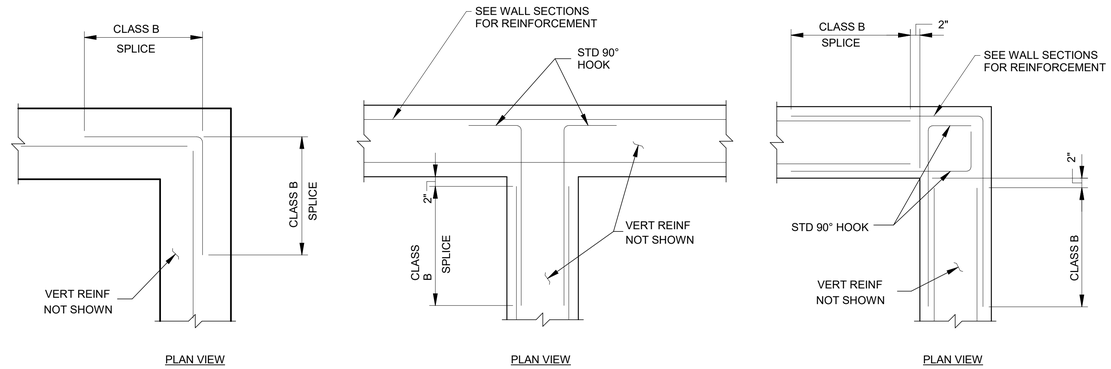
PIER DETAIL

SCALE: N.T.S.

NOTES: USE #3 TIES @ 10" O.C. MAX SPACING, WITH (3) SETS OF #3 TIES IN TOP 6" OF PIER.

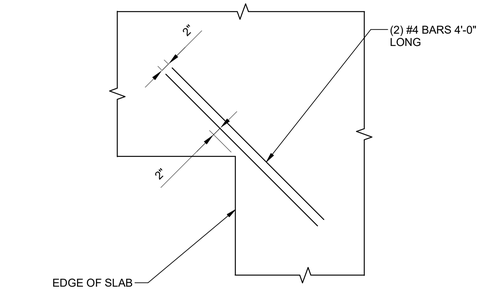
1 TYPICAL PIER DETAIL

SCALE = N.T.S.



2 TYPICAL WALL / CONT. FOOTING REINFORCEMENT DETAILS

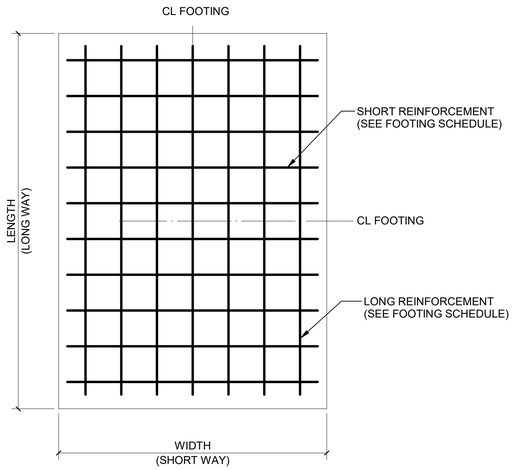
SCALE = N.T.S.



NOTES:
1. RE-ENTRANT CORNER REINFORCEMENT IS NOT REQUIRED WHERE CONSTRUCTION OR CONTROL JOINTS ARE USED.
2. RE-ENTRANT CORNER REINFORCEMENT SHOULD BE PLACED 1-1/2" CLR FROM TOP OF SLAB.

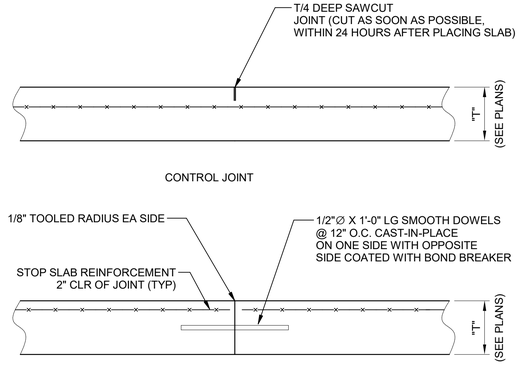
4 TYPICAL RE-ENTRANT CORNER REINFORCEMENT

SCALE = N.T.S.



5 TYPICAL FOOTING REINFORCEMENT DETAIL

SCALE = N.T.S.



NOTE: FILL ALL SAW-CUTS & JOINTS WITH AN APPROVED FILLER PER ACI 301 SPECIFICATIONS.

3 TYPICAL SLAB ON GRADE JOINT DETAILS

SCALE = N.T.S.

CONTEXT
ARCHITECTURE | INTERIORS | PLANNING | RENDERING

2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

SHAMROCK PARK PAVILION
960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

WILKES ENGINEERING

WILKES ENGINEERING GROUP, LLC
195 E. JARRARD STREET SUITE A2
CLEVELAND, GA 30528
(678) 653-4510
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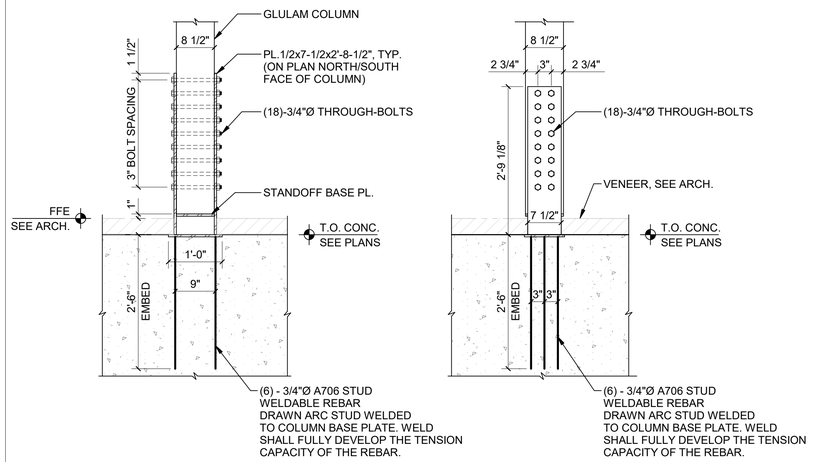
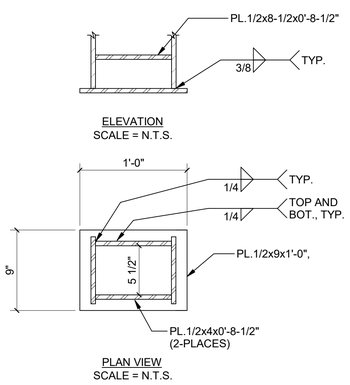
TYPICAL CONCRETE DETAILS

S400

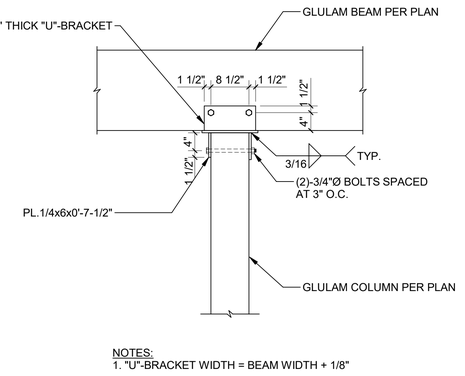


1 TYPICAL GLULAM COLUMN MOMENT BASE CONNECTION

SCALE = N.T.S.



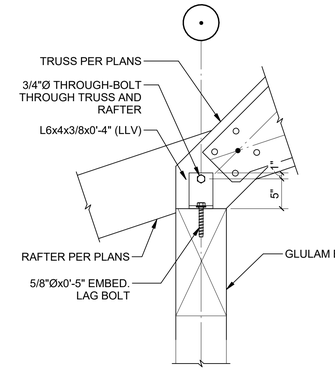
STANDOFF BASE PL. DETAIL



NOTES:
1. "U"-BRACKET WIDTH = BEAM WIDTH + 1/8"

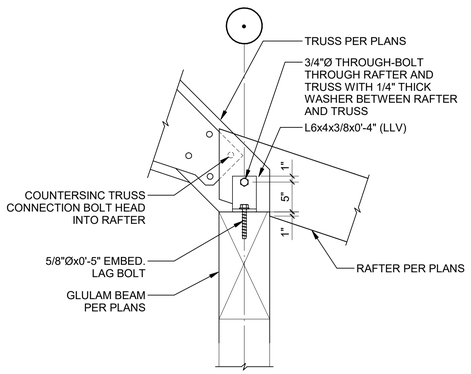
2 TYPICAL GLULAM BEAM TO COLUMN CONNECTION

SCALE = N.T.S.



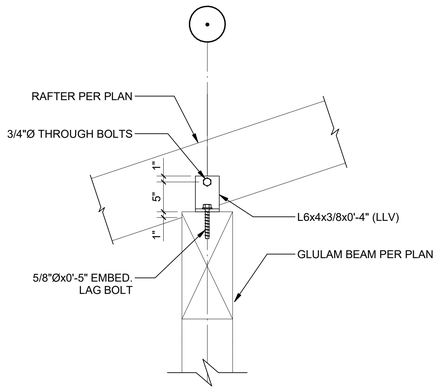
3 TYPICAL TRUSS CONNECTION TO BEAM

SCALE = N.T.S.



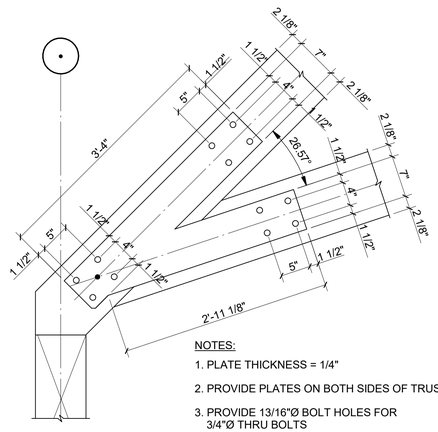
4 TYPICAL RAFTER END CONNECTION

SCALE = N.T.S.



5 TYPICAL RAFTER END CONNECTION

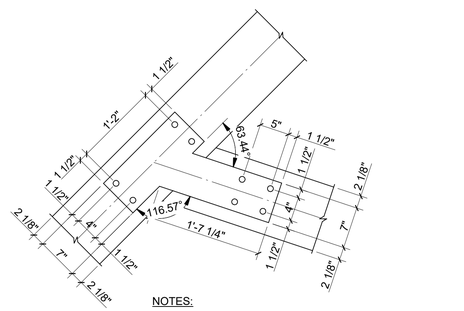
SCALE = N.T.S.



NOTES:
1. PLATE THICKNESS = 1/4"
2. PROVIDE PLATES ON BOTH SIDES OF TRUSS
3. PROVIDE 13/16"Ø BOLT HOLES FOR 3/4"Ø THRU BOLTS

6 PLATE MARK "P1"

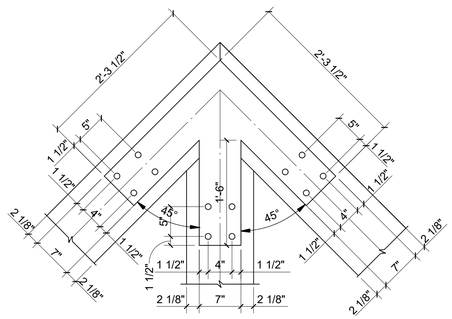
SCALE = N.T.S.



NOTES:
1. PLATE THICKNESS = 1/4"
2. PROVIDE PLATES ON BOTH SIDES OF TRUSS
3. PROVIDE 13/16"Ø BOLT HOLES FOR 3/4"Ø THRU BOLTS

7 PLATE MARK "P2"

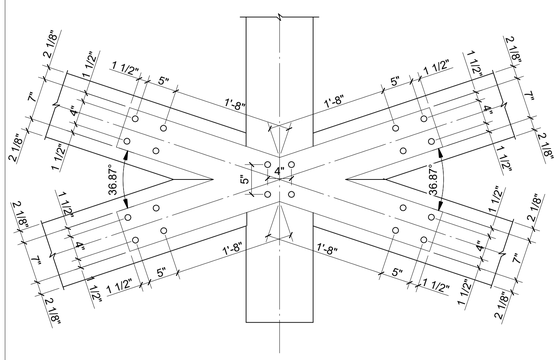
SCALE = N.T.S.



NOTES:
1. PLATE THICKNESS = 1/4"
2. PROVIDE PLATES ON BOTH SIDES OF TRUSS
3. PROVIDE 13/16"Ø BOLT HOLES FOR 3/4"Ø THRU BOLTS

8 PLATE MARK "P3"

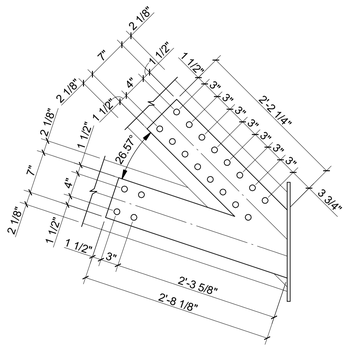
SCALE = N.T.S.



NOTES:
1. PLATE THICKNESS = 1/4"
2. PROVIDE PLATES ON BOTH SIDES OF TRUSS
3. PROVIDE 13/16"Ø BOLT HOLES FOR 3/4"Ø THRU BOLTS

9 PLATE MARK "P4"

SCALE = N.T.S.



NOTES:
1. PLATE THICKNESS = 1/2"
2. PROVIDE PLATES ON BOTH SIDES OF TRUSS
3. PROVIDE 13/16"Ø BOLT HOLES FOR 3/4"Ø THRU BOLTS

10 PLATE MARK "P5"

SCALE = N.T.S.

CONTEXT
ARCHITECTURE | INTERIORS | PLANNING
2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

SHAMROCK PARK PAVILION

960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

WILKES ENGINEERING GROUP
WILKES ENGINEERING GROUP, LLC
195 E. JARRARD STREET SUITE A2
CLEVELAND, GA 30528
(678) 653-4515
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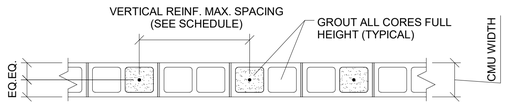
TYPICAL TIMBER DETAILS

S500



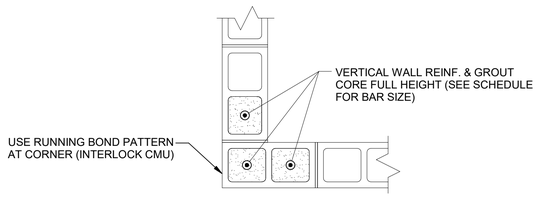
TYPICAL WALL WITH (1) VERTICAL BAR PER CELL (SEE SCHEDULE)

MASONRY WALL REINFORCING SCHEDULE

TYPE	NOMINAL CMU WIDTH	VERTICAL REINFORCEMENT		HORIZONTAL REINFORCEMENT	
		REINFORCEMENT	MAX. SPACING	REINFORCEMENT	MAX. SPACING
MW-1	8"	(1)-#5	32" O.C.	2 x 9 GAGE	16" O.C.
MW-2	8"	(1)-#5	16" O.C.	2 x 9 GAGE	16" O.C.
MW-3	12"	(1)-#5	32" O.C.	2 x 9 GAGE	16" O.C.

1 TYPICAL CMU REINFORCING DETAIL

SCALE = N.T.S.



2 TYPICAL CMU CORNER DETAIL

SCALE = N.T.S.

CONTEXT
ARCHITECTURE | PLANNING | INTERIORS
2389 Johnson Ferry Road
Marietta, Georgia 30062
678.575.5686
donwhitten.aia@gmail.com

SHAMROCK PARK PAVILION

960 Senoia Road
Tyrone, Georgia 30290

Project Number: 2024.006

WILKES ENGINEERING GROUP, LLC
195 E. JARRARD STREET SUITE A2
CLEVELAND, GA 30528
(678) 653-4510
GA FIRM LICENSE NO: PEF007087
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04.08.2025

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TYPICAL MASONRY DETAILS

S501

ELECTRICAL DRAWING LIST

SHEET NO.	TITLE
E001	ELECTRICAL NOTES, LEGENDS, & ABBREVIATIONS
E002	LIGHTING FIXTURE SCHEDULES
E101	ELECTRICAL FLOOR PLAN – POWER
E102	ELECTRICAL FLOOR PLAN – LIGHTING
E901	ELECTRICAL RISER DIAGRAM
ESP01	ELECTRICAL SITE PLAN

ELECTRICAL ABBREVIATIONS

ACT	ABOVE COUNTERTOP OR BACKSPLASH	FACP	FIRE ALARM CONTROL PANEL
AC	ALTERNATING CURRENT	FIX	FIXTURE
AL	ALUMINUM	FL	FLOOR
AMP	AMPERES	FU	FUSED
AFF/AFG	ABOVE FINISHED FLOOR/GRADE	GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
AHU	AIR HANDLING UNIT	GND/G	GROUND
APPROX	APPROXIMATELY	H.O.A.	HAND–OFF–AUTOMATIC
ARCH	ARCHITECTURAL	HP	HORSEPOWER
AWG	AMERICAN WIRE GAUGE	IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
BD	BOARD	JB	JUNCTION BOX
BLDG	BUILDING	KVA	KILOVOLT–AMPERE
CAB	CABINET	KW	KILOWATT
CAP	CAPACITY	KAIC	KILO–AMPERE INTERRUPTING CAPACITY
CATV	CABLE TELEVISION	MCA	MINIMUM CIRCUIT AMPACITY
CBB	CABLE TELEVISION BACKBOARD	MCB	MAIN CIRCUIT BREAKER
CKT	CIRCUIT	MECH	MECHANICAL
CLG	CEILING	MISC	MISCELLANEOUS
C/B	CIRCUIT BREAKER	MTR	MOTOR
C/L	CENTER LINE	MTD	MOUNTED
COL	COLUMN	MLO	MAIN LUG ONLY
COND/C	CONDUIT	MOCP	MAXIMUM OVERCURRENT PROTECTION
CONN	CONNECTION	M.O.D.	MOTOR OPERATED DAMPER
CONT	CONTINUATION	MRS	MOTOR RATED SWITCH
C&P	CORD AND PLUG	NEC	NATIONAL ELECTRICAL CODE
CPT	CONTROL POWER TRANSFORMER	NES	NASHVILLE ELECTRIC SERVICE
CT	CURRENT TRANSFORMER	NF	NONFUSED
CU	COPPER	NL	NIGHT LIGHT
DET	DETAIL	NO.	NUMBER
DF/EDF	ELECTRICAL DRINKING FOUNTAIN	NTS	NOT TO SCALE
DN	DOWN	P.I.V.	POST INDICATOR VALVE
DS	DISCONNECT SWITCH	PNL	PANEL
DWG	DRAWING	PVC	POLYVINYL CHLORIDE CONDUIT
EA	EACH	RTU	ROOF TOP UNIT
EC	ELECTRICAL CONTRACTOR	SH	SHEET
EF	EXHAUST FAN	SW	SWITCH
ELEC	ELECTRIC	TR	TRANSFORMER
EQ	EQUIPMENT	TBB	TELEPHONE BACKBOARD
EX	EXISTING	TELE	TELEPHONE
FA	FIRE ALARM	UNO	UNLESS NOTED OTHERWISE
FSD	FIRE SMOKE DAMPER	WP	WEATHERPROOF

ELECTRICAL LEGEND

S	WALL SWITCH SINGLE POLE SINGLE THROW, 48" AFF UNO.
S_3	WALL SWITCH 3–WAY, SINGLE POLE SINGLE THROW, 48" AFF UNO.
S_O	WALL OCCUPANCY SENSOR–SINGLE OR 3 WAY, 48" AFF UNO. DUAL TECHNOLOGY, MOTION AND INFRA–RED.
	WALL/CEILING–MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGY, MOTION AND INFRA–RED.
S_D	WALL MOUNTED DIMMER SWITCH, WATTAGE NOTED (SIZE/WATTAGE AS REQUIRED), 48" AFF UNO.
D_3	WALL MOUNTED 3–WAY DIMMER SWITCH, WATTAGE NOTED (SIZE/WATTAGE AS REQUIRED), 48" AFF UNO.
	DUPLEX RECEPTACLE, WALL MOUNTED, 18" AFF UNO.
	SINGLE RECEPTACLE, WALL MOUNTED, 18" AFF UNO.
	DUPLEX RECEPTACLE, CEILING MOUNTED
	DUPLEX RECEPTACLE, WALL MOUNTED AFF, OR 8" ABOVE COUNTER UNO.
	SWITCHED OUTLET
	USB OUTLET WALL MOUNTED, 18" AFF UNO.
	QUAD RECEPTACLE, WALL MOUNTED, 18" AFF UNO.
	QUAD RECEPTACLE, WALL MOUNTED AFF, OR 8" AVOBE COUNTER UNO.
	DUPLEX "GFCI" RECEPTACLE, WALL MOUNTED, 18" AFF UNO.
	DUPLEX "GFCI" RECEPTACLE, WALL MOUNTED AFF, OR 8" ABOVE COUNTER UNO.
	SPECIAL OUTLET WALL MOUNTED, 18" AFF UNO.
	DUPLEX RECEPTACLE, IN FLUSH FLOOR BOX
	QUAD RECEPTACLE, IN FLUSH FLOOR BOX
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	SURFACE MOUNTED PANELBOARD
	FLUSH MOUNTED PANELBOARD
	SAFETY SWITCH, NON FUSED TYPE
	SAFETY SWITCH, FUSED TYPE
	PUSH BUTTON, WALL MOUNTED 46" AFF
	EXHAUST FAN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.

	CONDUIT EXPOSED TO VIEW UNLESS OTHERWISE NOTED
	WIRE CONCEALED IN CEILING, CAVITY OR WALL
	CONDUIT CONCEALED IN FLOOR, SLAB OR UNDERGROUND
	WIRING CONNECT EMERGENCY CIRCUIT
	CONDUIT UP/CONDUIT DOWN
	1X4 WALL MOUNTED WRAP AROUND FLUORESCENT FIXTURE. SEE LIGHT FIXTURE SCHEDULE.
	EMERGENCY FIXTURE WITH 90 MIN BATTERY. 1400 LUMEN BALLAST
	INDUSTRIAL FLUORESCENT STRIP FIXTURE, SURFACE OR STRIP SUSPENDED. SEE LIGHT FIXTURE SCHEDULE.
	EMERGENCY FIXTURE WITH 90 MIN BATTERY. 1400 LUMEN BALLAST
	BATTERY POWER EMERGENCY LIGHT (PROVIDE UNSWITCHED HOT WIRE) SEE LIGHT FIXTURE SCHEDULE.
	EMERGENCY REMOTE HEAD INTERCONNECTED TO EXIT SIGN. OVERSIZE BATTERY IN EXIT SIGN.
	EXIT SIGN, CEILING/WALL MOUNTED ARROWS AS REQUIRED. (PROVIDE UNSWITCHED HOT WIRE) SEE LIGHT FIXTURE SCHEDULE.
	TRACK LIGHTING NUMBER OF HEADS AND LENGTH AS INDICATED ON DRAWINGS. SEE LIGHT FIXTURE SCHEDULE.
	2'x4' RECESSED MOUNTED FLUORESCENT FIXTURE. SEE LIGHT FIXTURE SCHEDULE.
	SURFACE OR RECESSED LIGHT FIXTURE. SEE LIGHT FIXTURE SCHEDULE.
	SURFACE OR RECESSED WALL WASHER. SEE LIGHT FIXTURE SCHEDULE.
	WALL MOUNTED LIGHT FIXTURE COORDINATE MOUNTING HEIGHT WITH ARCHITECT. SEE LIGHT FIXTURE SCHEDULE.
	1'X4' SURFACE FLUORESCENT FIXTURE. SEE LIGHT FIXTURE SCHEDULE.
	EMERGENCY FIXTURE WITH 90 MIN BATTERY. 1400 LUMEN BALLAST
	SURFACE MOUNTED HID LIGHT FIXTURE.
	WALL MOUNTED HID LIGHT FIXTURE. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
	EXTERIOR POLE FIXTURE. COORDINATE EXACT POLE HEIGHT WITH ARCHITECT.
	CEILING FAN. SEE LIGHT FIXTURE SCHEDULE.
	TIME CLOCK / PHOTOCELL
	METER / METER ABOVE CT CABINET

ELECTRICAL SPECFICATIONS

16010 GENERAL:

1.1 Contractor shall provide the following:
- a. Labor.
- b. Supplies.
- c. Materials.
- d. Shop Drawings.
- e. Permits and inspection fees
- f. Certificate of final inspection and approval.
- g. One year guarantee.

1.2 Contractor shall perform the following:
- a. Installation of all electrical equipment.
- b. Coordination with other trades of electrical equipment installation.
- c. Material protection during construction.
- d. Test of entire system in presence of owner or his representative and correct any deficiencies discovered.
- e. Coordination of electrical service and metering with local power company.
- f. Coordination of telephone service with local telecommunications company.

1.3 Governing codes shall be the following:
- a. National Electrical Code (NEC) 2023 Edition with Georgia Amendments.
- b. Utility Company regulations.
- c. Americans with Disabilities Act
- d. Current Applicable Building Code with Amendments.
- e. Local Building Codes and Ordinances
- f. International Building Code (IBC) 2012 with Amendments.
- g. The National Manufacturer's Association Standards (NEMA)
- h. Underwritter Laboratories Incorporated Standards (UL)
- i. American National Standard Institute (ANSI)
- j. The Manufacturer's recommendation

1.4 Materials will be:
- a. New.
- b. U.L. Listed

16110 RACEWAYS

1.1 Use and type:
- a. Service Entrance – Rigid Steel.
- b. Feeders – Rigid steel except above 8'–0" and indoor then EMT.
- c. Branch Circuit, telephone, or communication – EMT.
- d. In earth or concrete – schedule 40 PVC.
- e. Recessed lighting fixtures – flexible steel conduit (short but maximum 72")
- f. Outdoor final connection to equipment or in wet locations – liquid – tight flexible steel conduit (maximum 36")
- g. All raceways, unless specifically indicated to be exposed, shall be concealed in walls, ceiling, or floors.
- h. Paint all exposed raceways color as directed by the architect.

1.2 Conduit Bushings:
- a. Provide insulated conduit bushings at each end of every conduit run.

16120 WIRES AND CABLES, 600 VOLT

1.1 Color Coding:	240/120V
Phase A	Black
Phase B	Red
Neutral	White
Ground	Green

1.2 Insulation: THHN, THWN, XHHW 75 degree C.

1.3 Provide copper wiring unless aluminum is specifically shown on the drawings. When aluminum (compact) conductors are utilized – provide anti–oxidation inhibiting compound.

1.4 Fixture wire, 600 volt, 200 degree C. #14 AWG. minimum, stranded, tinned copper with silicone rubber insulation and an overall jacket of glass braid, and rated as NEC type "SF–2".

1.5 Type MC or AC cabling may be utilized for branch circuit wiring if acceptable to local jurisdiction having authority.

1.6 Type NMC cabling may be utilized for branch circuit wiring if acceptable to local jurisdiction having authority.

1.7 Type SE or USE cabling may be utilized for feeders to loadcenters in apartment units if acceptable to local jurisdiction having authority.

1.8 Voltage drop will not exceed 2% for feeders and 3% for branch circuits.

16130 BOXES

1.1 Attach securely to building construction or support from same.

1.2 Masonry boxes shall be RACO or Steel City.

1.3 Exposed boxes shall be cast type similar to Crouse Hinds type FS.

1.4 All others shall be stamped steel.

1.5 Floor Boxes:
- a. Provide floor boxes with adjustable aftersets and brass coverplates. Provide number of gangs and devices indicated on drawings.

16140 WIRING DEVICES

1.1 Receptacles: (color as directed by architect)
- a. Duplex – 15Amp,125VAC grounded.
- b. Single – 15Amp,125VACgrounded.
- c. Receptacles on dedicated circuits shall utilize 20 amp, 125VAC, grounded type.

1.2 Wall Switches: (color as directed by archtect)
- a. Single Pole – 20 Amp,120/277V, single throw, quiet type, grounded.
- b. Double Pole – 20 Amp,120/277V, single throw, quiet type, grounded.
- c. Three Way – 20 Amp,120/277V, single throw, quiet type, grounded.

1.3 Coverplates: Provide finish and color directed by architect.

16150 ELECTRICAL SERVICE

1.1 General:
- a. Provide new underground service, 240/120V, coordinate service and metering with local power company prior to any work.
- b. Provide transient voltage surge suppression device for each service entrance per Local Codes.

16170 PANELBOARDS

1.1 Panelboards shall have, but not be limited to the following:
- a. Single phase, 3 wire & Three phase, 4 wire, With Copper or Aluminum Busses
- b. Ground bus with set screw connection
- c. Solid neutral, 100% rated with set screw connection
- d. Baked–on enamel trim
- e. Switch rated Bolt–on breakers
- f. Legible directory
- g. Plaque, black with 1" high white letters to indicate panel name.
- h. Square D, Siemens, or General Electric.

16190 GROUNDING

1.1 Service Entrance a. See grounding detail on riser sheets

1.2 Feeders and branch circuits: a. Provide a ground conductor, sized per the NEC, in each raceway and with all cabling.

16200 LIGHTING FIXTURES

1.1 Coordinate fixture trims with ceiling in/on which it is being installed.

1.2 Provide low temperature, high efficiency electronic ballasts in fluorescent fixtures.

1.3 Provide thermal overload protection in both fluorescent and incandescent fixtures.

1.4 Match voltage of fixture to circuit to which fixture is shown connected.

1.5 Narrative description in lighting fixture schedule takes prescedence over catalog number.

1.6 All recessed fixtures installed in fire rated ceiling shall be provided with gypsum board enclosure, constructed and installed per UL requirements, around portion of fixture located above suspended ceiling to maintain fire rating of ceiling.

16210 EXISTING CONDITIONS

1.1 Visit site and become familiar with existing conditions in and around the building.

16220 TELEPHONE SERVICE

1.1 Coordinate telephone service requirements with local telephone company prior to any work. Telephone company requirements shall override and/or add to requirements indicated on the drawings.

16230 CATV SERVICE

1.1 Coordinate CATV service requirements with local CATV company prior to any work. CATV company requirements shall override and/or add to requirements indicated on the drawings.

16240 SAFETY SWITCH

1.1 Safety switches shall be general duty type, 600 or 250 volt, with number poles required. fused safety switches shall be quick–make, quick–break mechanism, visible blades with rejection type fuse clip and NEMA class "RH" fuses, the switches shall be NEMA 1 enclosure for indoor, NEMA 3R for outdoor.All switches shall be lockable.

TELE / DATA LEGEND

	WALL MOUNTED VOICE/DATA OUTLET, 18"AFF – 3/4" CONDUIT WITH PULLWIRE TO ABOVE ACCESSIBLE CEILING OR TO TELEPHONE BACKBOARD
	WALL MOUNTED TELEPHONE OUTLET 18"AFF, PROVIDE (1) CAT5E CABLE AND TERMINATION PLATE.
	WALL MOUNTED DATA OUTLET, 18" AFF – 3/4" CONDUIT WITH PULLWIRE TO ABOVE ACCESSIBLE CEILING OR TO TELEPHONE BACKBOARD
	ABOVE COUNTER WALL MOUNTED DATA OUTLET, 8" ACT, U.N.O. – 3/4" CONDUIT WITH PULLWIRE TO ABOVE ACCESSIBLE CEILING OR TO TELEPHONE BACKBOARD
	ABOVE COUNTER WALL MOUNTED DATA/TELEPHONE OUTLET, 8" ACT, U.N.O – 3/4" CONDUIT WITH PULLWIRE TO ABOVE ACCESSIBLE CEILING OR TO TELEPHONE BACKBOARD
	ABOVE COUNTER WALL MOUNTED DUAL JACK TELEPHONE OUTLET, 8" ACT, U.N.O. – 3/4" CONDUIT WITH PULLWIRE TO ABOVE ACCESSIBLE CEILING OR TO TELEPHONE BACKBOARD
	VOICE/DATA, IN FLUSH FLOOR BOX, PROVIDE 1" CONDUIT MINIMUM UNO IN SLAB TO NEAREST POINT OF ACCESS, AS SHOWN ON DRAWINGS.
	POKE–THRU DEVICE WITH ONE (1) DUPLEX RECEPTACLE AND DATA/COMMUNICATIONS OUTLET(S)
	TV OUTLET WITH ONE (1) COAX F TYPE CONNECTOR. PROVIDE 2" C AND ONE RG6 CABLE FROM OUTLET TO NEAREST CATV BACKBOARD. MOUNT 18" AFF UNO.
	4'x8'x3/4" FIRE RATED PLYWOOD
	SPEAKER – COORDINATE EXACT LOCATION AND REQUIREMENTS WITH LOW VOLTAGE CONSULTANT.
	SINGLE GANG BOX FOR CARD READER, 48" AFF. PROVIDE 3/4" CONDUIT TO TERMINATION LOCATION DETERMINED BY OWNER.
	SINGLE GANG BOX FOR CALL BOX, 60" AFF
	MAGNETIC DOOR HOLDER
	SECURITY CAMERA. PROVIDE 3/4" CONDUIT TO TERMINATION LOCATION DETERMINED BY OWNER.
	DUPLEX RECEPTACLE, TV COAX, AND VOICE/DATA FLUSH IN FLOOR, IN THREE–GANG CAST IRON FLOOR BOX PROVIDED BY CONTRACTOR. PROVIDE 1" CONDUIT MINIMUM UNO IN SLAB TO NEAREST POINT OF ACCESS, AS SHOWN ON DRAWINGS.

ELECTRICAL GENERAL NOTES

1. ALL WORK THIS DIVISION SHALL COMPLY WITH ALL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES, AND THE REQUIREMENTS OF 2023 NATIONAL ELECTRICAL CODE WITH GEORGIA AMENDMENTS.
2. THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF HIS/HER WORK HE/SHE SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.
3. ALL SYSTEMS, EQUIPMENT, COMPONENTS, WORK, ETC. PROVIDED UNDER THIS DIVISION SHALL BE COVERED BY A ONE YEAR GUARANTEE STARTING AT THE TIME OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER . ANY DEFECTS IN THE WORK, SYSTEMS, EQUIPMENT, OR COMPONENTS FOUND DURING THIS YEAR SHALL BE CORRECTED AT NO CHARGE. THE GUARANTEE SHALL INCLUDE PROVIDING ALL NECESSARY CUTTING, PATCHWORK, REPAINTING, ETC. TO MAKE THE WORK COMPLETE AND NEW.
4. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER WITH TYPE "THW" OR "THHN" INSULATION AND THE MINIMUM WIRE SIZE SHALL BE #14 A.W.G. FOR 15A WHERE USED IN RESIDENTIAL/LIVING UNITS AND #12 A.W.G FOR 20A CIRCUITS UNLESS NOTED OTHERWISE, OR NOT ALLOWED BY LOCAL JURISDICTION HAVING AUTHORITY.
5. ALL WORK MUST BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER ACCORDING TO GENERALLY ACCEPTED PRINCIPALS OF FIRST CLASS WORKMANSHIP.
6. ALL PENETRATIONS THRU RATED WALLS, FLOORS AND CEILINGS SHALL BE FIRE STOPPED PER N.E.C. 300.21. ALSO SEE SHEETS E004A–F. FIRE STOPPING SHALL MATCH UL RATING OF WALL, FLOOR, OR CEILING PENETRATED.
7. ALL SWITCHES FOR FANS, LIGHTS, ETC. WHICH ARE SHOWN TO BE MOUNTED IN THE SAME GENERAL AREA SHALL SHARE A MULTI–GANG COVER PLATE AS REQUIRED.
8. COORDINATE RECEPTACLE NEMA TYPE AND VOLTAGE WITH EQUIPMENT.
9. PROVIDE A TYPE WRITTEN DIRECTORY FOR ALL PANELS AND LOAD CENTERS. CORRECTLY LABEL ALL CIRCUITS, SPARES, AND SPACES.
10. LABEL AND IDENTIFY ALL JUNCTION BOXES, WIREWAYS AND MAJOR SWITCHES AT THE TIME OF INSTALLATION. PROVIDE PERMANENT NAMEPLATES/LABELS AS SPECIFIED PRIOR TO FINAL INSPECTION.
11. VERIFY LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGH–IN.
12. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS. WIRING SHALL BE INSTALLED AT DEPTHS BELOW FINISHED GRADE (BELOW SLAB AND SUB–BASE LEVEL) AS PER NEC ARTICLE 300.50.
13. MINIMUM HOMERUN CONDUIT SIZE SHALL BE:
    - A. ABOVE GRADE: 1/2"
    - B. BELOW GRADE: 3/4"
14. COMMON NEUTRAL MAY BE USED AS PERMITTED BY NEC FOR MULTIWIRE BRANCH CIRCUITS. SEPARATE NEUTRAL SHALL BE PROVIDED FOR ALL CIRCUITS CONNECTED TO GROUND FAULT CIRCUIT INTERRUPTER TYPE DEVICES, UNLESS OTHERWISE NOTED. SEPARATE NEUTRAL SHALL BE PROVIDED FOR ALL ARC FAULT CIRCUIT INTERRUPTER CIRCUITS.
15. ALL BRANCH CIRCUITS SHALL INCLUDE A GREEN INSULATED GROUND WIRE, SIZED PER NEC TABLE 250.122 OR AS SHOWN, CONNECTED TO EACH DEVICE AND OUTLET BOX ON THE CIRCUIT AND TO THE PANEL BOARD GROUND BUS. MULTIPLE WIRE BRANCH CIRCUITS WITH COMMON NEUTRAL REQUIRE ONLY ONE GROUND WIRE, UNLESS OTHERWISE NOTED.
16. IN CASES WHERE CONFLICTS OCCUR BETWEEN DRAWINGS AND SPECIFICATION, OR BETWEEN DIFFERENT TRADES, AS WELL AS CASES OF ANY OMISSION OF INFORMATION, NOTIFY THE ARCHITECT AND PROCURE RESOLUTION OF THE CONFLICT OR OMISSION BEFORE PROCEEDING WITH THE INSTALLATION.
17. ALL 15A AND/OR 20A BRANCH RECEPTACLE CIRCUITS FOR 120V, CIRCUITS LONGER THAN 70'–0" SHALL BE MINIMUM #10 AWG, LONGER THAN 150' SHALL BE #8 AWG.
18. THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND LOCATION OF ELECTRICAL WORK. DATA PRESENTED ON THE DRAWINGS ARE AS ACCURATE AS PLANNING CAN DETERMINE, BUT FIELD VERIFICATION OF ALL DIMENSIONS, LOCATIONS, LEVELS, ETC., TO SUIT FIELD CONDITION IS REQUIRED. REVIEW ALL ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND ADJUST ALL WORK TO MEET THE REQUIREMENTS OF CONDITIONS SHOWN.
19. COORDINATE WITH OTHER TRADES SO THAT INSTALLATION OF ELECTRICAL OUTLETS AND EQUIPMENT WILL BE PROPERLY COORDINATED. CHECK CONDUIT, FIXTURE AND OTHER EQUIPMENT LOCATIONS WITH OTHER TRADES TO AVOID CONFLICT WITH THE PIPING DUCT WORK, STEEL PIPING, BEAM, OR OTHER OBSTRUCTIONS.
20. REFER TO ARCHITECTURAL/INTERIOR DESIGNER DRAWINGS FOR EXACT SPECIFICATION, LOCATION AND QUANTITY OF ELECTRICAL DEVICES AND LIGHT FIXTURES.
21. THE GENERAL CONTRACTOR SHALL PROVIDE NOTICE TO THE ARCHITECT/ENGINEER THAT THERE HAS BEEN A FACE–TO–FACE MEETING WITH THE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL SUBCONTRACTORS TO COORDINATE THEIR WORK. THIS MUST BE DONE PRIOR TO ORDERING ANY EQUIPMENT AND SHALL SERVE TO MATCH THE VOLTAGE, PHASE, AMPS, MCA, AND MOCP OF THE EQUIPMENT WITH THE DESIGNED ELECTRICAL CHARACTERISTICS. AFTER THIS MEETING HAS BEEN HELD THE GENERAL CONTRACTOR SHALL PROVIDE NOTICE (IN WRITING) TO THE A/E THAT THIS HAS BEEN DONE AND THERE ARE NO DISCREPANCIES. FAILURE TO MEET DOES NOT ENTITLE CONTRACTOR TO A CHANGE ORDER FOR INCOMPATIBLE EQUIPMENT AND SERVICE CHARACTERISTICS.
22. PROVIDE UNSWITCHED HOT WIRE TO ALL EMERGENCY/EXIT LIGHTING.
23. PROVIDE SEALING OF ALL OUTLET BOXES PER LOCAL FIRE CODE.
24. COMBUSTIBLE MATERIALS ARE NOT ALLOWED WITHIN AREAS WHERE PLENUM AIR SYSTEMS ARE BEING USED.
25. THE CONTRACTOR SHALL PROVIDE AND INSTALL WIRING AND CIRCUIT ALL EQUIPMENT, MOTORS, AND OTHER ITEMS NOT EXPLICITLY SHOWN, BUT INDICATED, IN CONTRACT DOCUMENTS OR IN SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF SAID ITEMS BETWEEN ALL TRADES.
26. NO PIPING, DUCT, OR EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE INSTALLED ABOVE ANY ELECTRICAL PANELBOARD, LOAD CENTER, MOTOR CONTROL CENTER, OR SWITCHBOARD. PER NEC ARTICLE 110.26 (a) (3).
27. THERE SHALL BE NO BACK TO BACK RECEPTACLE WITHIN FIRE RATED WALLS. PROVIDE MINIMUM HORIZONTAL SPACE BETWEEN OUTLETS AT OPPOSITE SIDES OF A FIRE RATED WALL.
28. GFCI RECEPTACLE WITH IN–USE WEATHERPROOF COVER PLATE. IN–USE WEATHERPROOF COVER PLATE SHALL BE: STEEL CITY "WTG100–CV–L" OR APPROVED EQUAL.
29. SEE E901 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
30. FIRE ALARM SYSTEM PROVIDED BY ELECTRICAL SUBCONTRACTOR PER NFPA 101, NFPA 72 AND IBC.
31. NAME PLATES FOR DISCONNECT SWITCHES SHALL BE PRINTED LABELS.
32. BELOW GRADE RACEWAY INSTALLATIONS – DIRECT BURIAL CONDUIT SHALL BE INSTALLED AT CODE REQUIRED BURIAL DEPTHS
33. RACEWAY INSTALLATIONS WITHIN CONCRETE – CONDUIT SHALL BE RUN FOLLOWING THE MOST DIRECT ROUTE BETWEEN POINTS. CONDUIT SHALL NOT BE INSTALLED WITHIN CONCRETE WHERE THE OUTSIDE DIAMETER IS LARGER THAN 1/3 OF THE SLAB THICKNESS.
34. IN BUILDINGS WITH MULTIPLE SERVICES, PROVIDE A PLAQUE AT EACH ELECTRICAL SERVICE DENOTING THE LOCATION OF ALL OTHER SERVICES WITHIN THE BUILDING.
35. TYPE NM CABLE IS NOT ALLOWED EXPOSED IN HVAC CLOSETS. PROVIDE TYPE MC CABLE OR ROUTE TYPE NM CABLE IN FLEXIBLE METALLIC CONDUIT SO THAT NM CABLE IS NOT EXPOSED IN CLOSET.
36. ALL EXTERIOR ENTRY DOORS SHALL BE EQUIPPED WITH ELECTRIC STRIKE PLATES AND EITHER CARD OR PROXIMITY READERS. COORDINATE LOCATION AND REQUIREMENTS WITH LOW VOLTAGE INSTALLER PRIOR TO BID.
37. PROVIDE OCCUPANCY SENSORS TO CONTROL LIGHTING IN ALL COMMON AREA RESTROOMS, OFFICES, STORAGE ROOMS, AMENITIES,ETC.
38. CONTRACTOR SHALL PROVIDE HOMERUN FROM SWITCH BOX PER NEC 404.2C.
39. CONDUIT FILL PER CODE
40. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE LIGHTS, HVAC REGISTERS AND SPRINKLERS. IN ADDITION, THE CONTRACTOR SHALL VERIFY CEILING TYPES PRIOR TO ORDER FIXTURES.
41. ALL LIGHTING FIXTURES SHALL BE SUPPORTED INDEPENDENT OF THE CEILING USING #12 GALVANIZED STEEL WIRES, TWO WIRES AT OPPOSITE CORNERS OF THE FIXTURES.
42. ALL ITEMS ON THE DRAWINGS SHALL BE NEW AND BEAR THE U.L. LABEL.
43. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE TRANSFORMER WITH THE LOCAL UTILITY COMPANY. FURTHER HE SHALL OBTAIN A DETAIL OF THE CONCRETE PAD FOR THE TRANSFORMER AND COORDINATE ANY METERING EQUIPMENT TO BE FURNISHED AND SHALL DO SO AT NO ADDITIONAL COST TO THE OWNER.
44. WHERE WALLS ARE FIRE OR SMOKE RATED THE CONTRACTOR SHALL DO HIS INSTALLATION TO PREVENT VIOLATING THE RATING OF THE WALL, THIS MEANS COMPLYING WITH ALL U.L. REGULATIONS.
45. FIRE WALLS SHALL HAVE PUTTY PADS ON METALLIC BOXES UNLESS BOXES ARE RATED FOR RATING OF THE WALL.
46. PROVIDE A GROUND BAR AT EACH TELEPHONE BACKBOARD AND/OR MDF (HUB/ROUTER ROOM) AND TERMINATE USING A TERMINAL STRIP THAT CONTAINS NO LESS THAN TEN (10) PLACES FOR ADDITIONAL WIRES. BOND TO MAIN GROUND (#6 AWG) AT ELEC. RM.
47. DO NOT SCALE DRAWINGS, LOCATION OF EQUIPMENT ARE APPROXIMATE, ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO PROVIDE PROPER WORKING CLEARANCE.
48. ALL CONDUCTORS FOR EXTERIOR LIGHTING CIRCUITS SHALL BE MINIMUM #10 AWG (UNLESS OTHERWISE NOTED), EXCEPT THE CONDUCTORS FROM THE HANDHOLE UP THE POLE TO THE BALLAST MAY BE #12 AWG.
49. THE CONTRACTOR SHALL MEASURE THE GROUND RESISTANCE, USING THE "FALL OF POTENTIAL METHOD" AND SUBMIT THE RESULTS TO THE A/E VIA EMAIL USING "WORD" SOFTWARE. IF THERE IS DIFFICULTY ACHIEVING 5 OHMS OR LESS THE CONTRACTOR SHALL CONTINUE TO DRIVE GROUND RODS OR ADD A NON TOXIC ENVIRONMENTALLY FRIENDLY MAGNESIUM SULFATE TO ACHIEVE THE 5 OHMS OR LESS TO GROUND. THE GROUNDING INFORMATION SHOULD BE SIGNED BY A TECHNICIAN. THE TYPE OF INSTRUMENT USE TO PERFORM THE TEST SHALL BE INCLUDED IN THE REPORT. THE TEST SHALL NOT BE DONE IF THERE HAD BEEN RAINFALL IN THE PREVIOUS 24 HOUR PERIOD. THIS SHALL BE DONE AT THE BEGINNING OF THE CONSTRUCTION PROCESS AND NOT AT THE END. ALL GROUNDS SHALL BE INTERCONNECTED AT THE MAIN GROUNDING ELECTRODE USING A ERICO MODEL TGB–A16L08PT MOUNTED ADJACENT TO THE MAIN SERVICE EQUIPMENT OR MAIN SWITCH.
50. COORDINATE LOCATION AND QUANTITY OF FIRE / SMOKE DAMPERS WITH MECHANICAL CONTRACTOR PRIOR TO BID. COORDINATION OF LOCATIONS AND QUANTITIES WILL OVERRIDE LOCATIONS AND QUANTITIES INDICATED ON ELECTRICAL DRAWINGS. PROVIDE A 120V UNSWITCHED CIRCUIT TO EACH FIRE / SMOKE DAMPER. PROVIDE A DUCT MOUNTED SMOKE DETECTOR FOR EACH FIRE / SMOKE DAMPER. CONNECT DUCT MOUNTED SMOKE DETECTOR AND FIRE / SMOKE DAMPER TO FIRE ALARM SYSTEM. A CHANGE ORDER WILL NOT BE ALLOWED FOR LACK OF COORDINATION BETWEEN THE ELECTRICAL AND MECHANICAL CONTRACTOR FOR LOCATION AND QUANTITY OF FIRE / SMOKE DAMPERS.
51. COORDINATE REQUIREMENTS FOR TELEPHONE AND CABLE TELEVISION SERVICES WITH UTILITY PROVIDER PRIOR TO BID. UTILITY COMPANY REQUIREMENTS SHALL OVERRIDE REQUIREMENTS INDICATED HEREIN.
52. SEE FAIR HOUSING NOTES ON UNIT PLAN DRAWINGS FOR ADDITIONAL INFORMATION ON DEVICE MOUNTING HEIGHTS. IN "HC" UNITS, DIMENSIONS SHALL BE TO TOP OF ROUGH–IN BOX.
53. EXCEPT IN DWELLING UNITS, ALL SERVICE EQUIPMENT SHALL BE LABELED WITH THE MAXIMUM AVAILABLE FAULT CURRENT PROVIDED BY THE SERVICE EQUIPMENT MANUFACTURER. LABEL SHALL INCLUDE THE DATE OF CALCULATIONS. RECALCULATE AND RELABEL AS NECESSARY IN RENOVATIONS. (NEC 110.24)

All low voltage wiring and devices are covered under another set of drawings. This includes, but is not limited to telephone, data, television, emergency call, door access, security, public address, background music and closed circuit television.

HAMMOND & ASSOCIATES ARCHITECTS ENGINEERS

SEAL: GEORGIA PROFESSIONAL ENGINEER 04/09/2025

PROJECT TITLE: SHAMROCK PARK PAVILION
960 Senoia Road
Tyrone, Georgia 30290
CLIENT: VIRIDIAN STUDIO
PROJECT NUMBER: 2024.006
SHEET TITLE: ELECTRICAL NOTES, LEGENDS, AND ABBREVIATIONS

HAMMOND ENGINEERING, INC
CONSULTING ENGINEERS
6961 PEACHTREE INDUSTRIAL BLVD. #208
NORCROSS, GEORGIA 30092.
TEL: (678)292–6937
NATHANIEL D. HAMMOND P.E.
MECHANICAL / ELECTRICAL ENGINEER
P.E. #24150

REVISION	DESCRIPTION	DATE

DRAWN BY: SJT
CHECKED BY: CNW
SCALE: AS NOTED
DATE: 04–09–2025
PROJECT NO.: H&A:241112
SUBMITTAL: 100% CD

SHEET NO. E001 OF SHEETS

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MOUNTING	MOUNTING HEIGHT	VOLTAGE	LAMPS	LUMENS	DIMMING	TOTAL WATTAGE	REMARKS
A	6" ROUND LED SURFACE MOUNT CYLINDER	LITON LIGHTING INC	DL360B-L26-B45-UE-D10-T27	SURFACE	VARIES	UNV (120V-277V)	LED	3030 LUMENS	YES	30W	
B	SMALL LED WALL PACK	PERFORMANCE IN LIGHTING	Q10-1WB-5W-BK-27K-UNV-0-10V	WALL	VARIES	UNV (120V-277V)	LED	220 LUMENS	YES	5	
C	LED STEP LIGHT	PERFORMANCE IN LIGHTING	IN1-7-BK-27K-UNV-0-10V	RECESSED	VARIES	UNV (120V-277V)	LED	250 LUMENS	YES	7	
D	SMALL LED FLOOD LIGHT	PERFORMANCE IN LIGHTING	TYK+10-SA-6-C/IW-BK-27K-120-0-10V	SURFACE	VARIES	UNV (120V-277V)	LED	542 LUMENS	YES	6	
LT			TBD COORDINATION W/AV DESIGN BUILD CONTRACTOR REQUIRED. ARCHITECTURAL & STRUCTURAL COORDINATION MAY BE REQUIRED.		SUSPENDED						
PROJECTION SCREEN			TBD COORDINATION W/AV DESIGN BUILD CONTRACTOR REQUIRED. ARCHITECTURAL & STRUCTURAL COORDINATION MAY BE REQUIRED.		SUSPENDED						
PROJECTOR			TBD COORDINATION W/AV DESIGN BUILD CONTRACTOR REQUIRED. ARCHITECTURAL & STRUCTURAL COORDINATION MAY BE REQUIRED.		SUSPENDED						

1 E002 GENERAL LIGHTING FIXTURE SCHEDULE
SCALE: NONE

LIGHTING FIXTURE SCHEDULE GENERAL NOTES

1. COORDINATE WITH ARCHITECT REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHT FIXTURES AND CEILING TYPE FOR PROPER FIXTURE TRIM.
2. PROVIDE ZERO DEGREE BALLASTS FOR ALL EXTERIOR MOUNTED FIXTURES.
3. PROVIDE SUFFICIENT QUANTITY OF BALLASTS IN FIXTURE BASED ON SWITCHING CONFIGURATION INDICATED ON PLANS.
4. IF THERE IS A DISCREPANCY BETWEEN A FIXTURE DESCRIPTION, THE LIGHTING GENERAL NOTES, SPECIFICATIONS, AND THE CATALOG NUMBER LISTED THE MORE STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.
5. ALL FINAL SELECTIONS OF FIXTURES SHALL BE BY ARCHITECT. DESCRIPTIONS AND CATALOG NUMBERS ARE SHOWN AS BASIS OF DESIGN FOR CODE COMPLIANCE AND DESIGN INTENT.
6. VERIFY FINISHES OF FIXTURES WITH ARCHITECT.
7. VOLTAGE OF LIGHTING FIXTURE SHALL MATCH CIRCUIT TO WHICH IT IS CONNECTED.
8. ANY LIGHTING FIXTURE WITH "/EM" SHALL HAVE 1-1/2 HOUR EMERGENCY BATTERY.
9. FINAL FIXTURE SELECTION TO BE APPROVED BY ARCHITECT.
10. FOR RECESSED DOWNLIGHTS THAT PENETRATE BUILDING ENVELOPE, PROVIDE AIR TIGHT TYPE FIXTURE.
11. COORDINATE LAMP COLOR TEMPERATURE OF ALL LIGHT FIXTURES WITH ARCHITECT PRIOR TO ANY WORK. ALL ARE TO BE 2700K.
12. ALL FIXTURES THAT ARE SHADED AND/OR ENDS WITH AN 'E' ARE TO HAVE INTEGRAL 1.5 HOUR EMERGENCY BATTERIES.

HAMMOND & ASSOCIATES
REGISTERED ENGINEERS

SEAL:
GEORGIA
REGISTERED PROFESSIONAL ENGINEER
04/09/2025

PROJECT TITLE: SHAMROCK PARK PAVILION
960 Senoia Road
Tyrone, Georgia 30290
CLIENT: VIRIDIAN STUDIO
PROJECT NUMBER: 2024.006
SHEET TITLE: LIGHTING FIXTURE SCHEDULE

HAMMOND ENGINEERING, INC
CONSULTING ENGINEERS
6961 PEACHTREE INDUSTRIAL BLVD. #208
NORCROSS, GEORGIA, 30092.
TEL: (678)292-6937
NATHANIEL D. HAMMOND P.E.
MECHANICAL, ELECTRICAL ENGINEER
P.E. #041450

REVISION	DESCRIPTION	DATE

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PROJECT NO.: H&A: 241112
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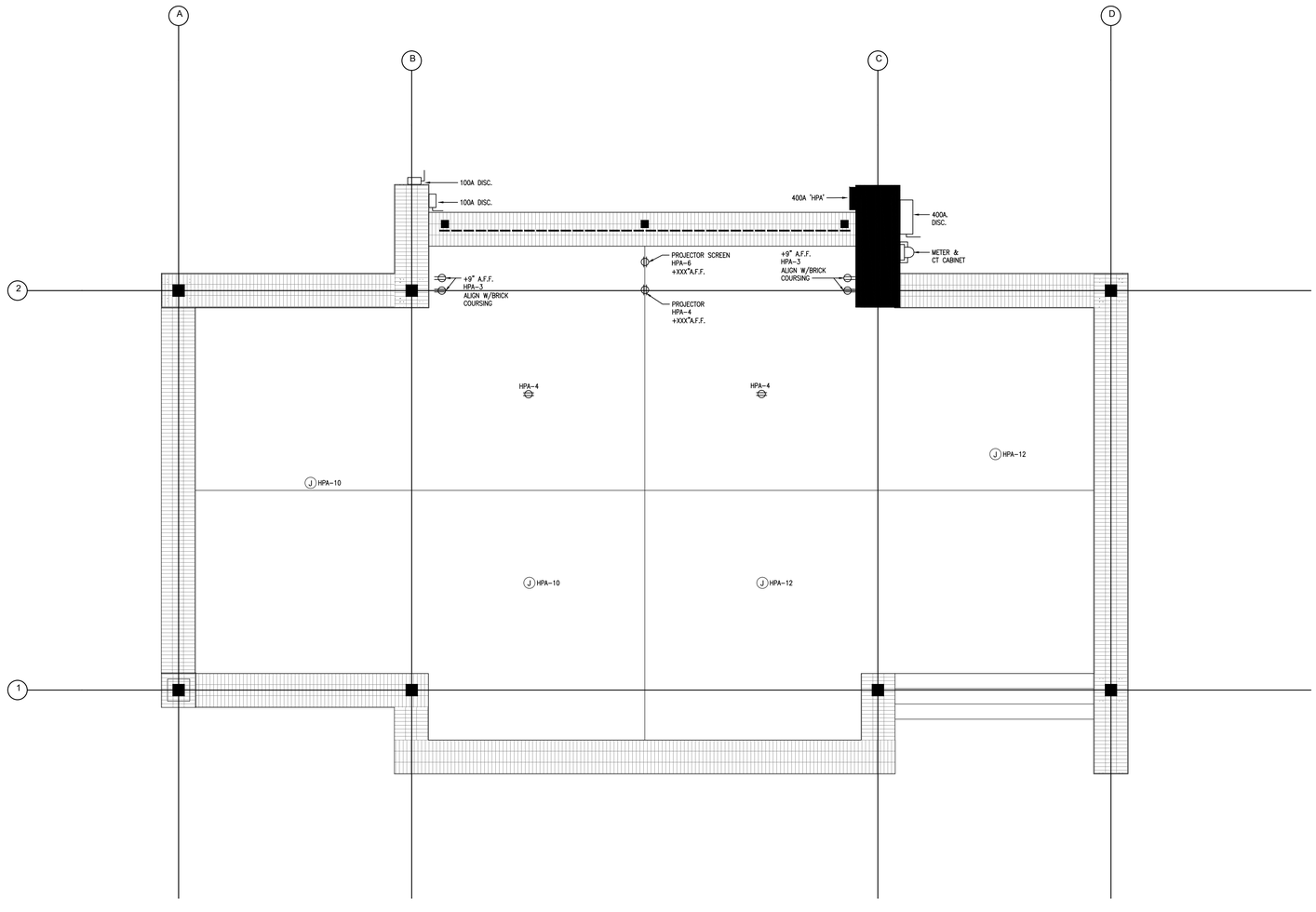
SHEET NO.
E002
OF SHEETS

ELECTRICAL GENERAL NOTES

1. PROVIDE #10 CONDUCTORS FOR ANY 120V CIRCUIT OVER 100'. PROVIDE #8 CONDUCTOR FOR ANY CIRCUIT OVER 150'
2. TYPE N.M. WIRING FOR BRANCH CIRCUIT WIRING FOR TYPE III, IV AND V CONSTRUCTION. IF ACCEPTABLE TO LOCAL AUTHORITY HAVING JURISDICTION, N.M. WIRING SHALL BE CONCEALED WITHIN WALLS AND ABOVE HARD CEILINGS. PROVIDE M.C. CABLE OR WIRE/EMT CONDUIT FOR BRANCH CIRCUITS IN ALL OTHER CONSTRUCTION TYPES AND IN RETURN AIR PLENUM ROOMS OR SPACES. ALL WIRING IN PARKING DECK/GARAGE TO BE WIRE IN CONDUIT. ALL EXPOSED WIRING TO BE WIRE IN CONDUIT. ALL WIRING IN AMENITIES SPACES, 100 PEOPLE MORE CODE OCCUPANCY (COORDINATE WITH ARCHITECT PRIOR TO BID), TO HAVE MC CABLE FOR BRANCH CIRCUIT WIRING.
3. LOW VOLTAGE CONNECTIONS/WIRING WILL BE COORDINATE WITH FUTURE CONSULTANT/CONTRACTOR.



1 ELECTRICAL FLOOR PLAN - POWER
1/4" = 1'-0"

0' 4' 8'

HAMMOND & ASSOCIATES

SEAL:
GEORGIA
NATHANIEL D. HAMMOND
REGISTERED PROFESSIONAL ENGINEER
04/09/2025

PROJECT TITLE: SHAMROCK PARK PAVILION
960 Senoia Road
Tyrone, Georgia 30290
CLIENT: VIRIDIAN STUDIO
PROJECT NUMBER: 2024.006
SHEET TITLE: ELECTRICAL FLOOR PLAN – POWER

HAMMOND ENGINEERING, INC
CONSULTING ENGINEERS
6951 PEACHTREE INDUSTRIAL BLVD. #208
NORCROSS, GEORGIA, 30092.
TEL: (678)292-6937
NATHANIEL D. HAMMOND P.E.
MECHANICAL, ELECTRICAL ENGINEER
P.E. #041450

REVISION	DESCRIPTION	DATE

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PROJECT NO.: H&A: 241112
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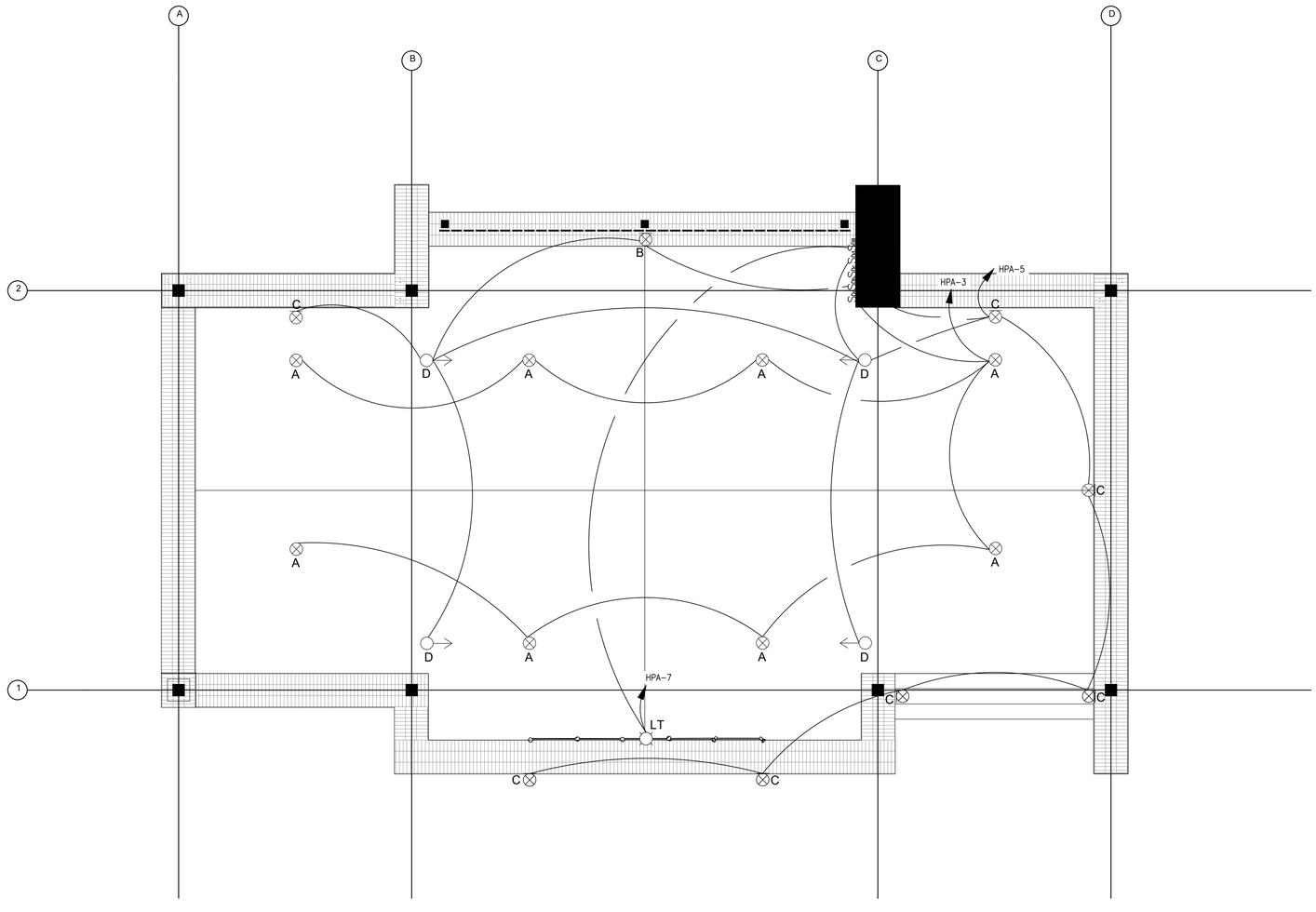
SHEET NO.
E101
OF SHEETS

ELECTRICAL GENERAL NOTES

1. DO NOT INSTALL DEVICES BACK TO BACK. PROVIDE MINIMUM 24" HORIZONTAL SPACE BETWEEN SUCH OUTLETS.
2. SEAL ALL PENETRATIONS PER UL TO MAINTAIN THE WALL AND FLOOR ORIGINAL RATING.
3. FINAL LIGHTING LOCATIONS AND SELECTIONS TO BE DETERMINED BY ARCHITECT.
4. PROVIDE #10 CONDUCTORS FOR ANY 120V CIRCUIT OVER 100'. PROVIDE #8 CONDUCTOR FOR ANY CIRCUIT OVER 150'
5. TYPE N.M. WIRING FOR BRANCH CIRCUIT WIRING FOR TYPE III, IV AND V CONSTRUCTION. IF ACCEPTABLE TO LOCAL AUTHORITY HAVING JURISDICTION, N.M. WIRING SHALL BE CONCEALED WITHIN WALLS AND ABOVE HARD CEILINGS. PROVIDE M.C. CABLE OR WIRE/EMT CONDUIT FOR BRANCH CIRCUITS IN ALL OTHER CONSTRUCTION TYPES AND IN RETURN AIR PLENUM ROOMS OR SPACES. ALL WIRING IN PARKING DECK/GARAGE TO BE WIRE IN CONDUIT. ALL EXPOSED WIRING TO BE WIRE IN CONDUIT. ALL WIRING IN AMENITIES SPACES, 100 PEOPLE MORE CODE OCCUPANCY (COORDINATE WITH ARCHITECT PRIOR TO BID), TO HAVE MC CABLE FOR BRANCH CIRCUIT WIRING.
6. ENSURE ALL CONDUIT IS CONCEALED. ROUTE ALL CONDUIT ABOVE T&G ROOF DECKING.
7. ALL FIXTURES MUST BE RATED FOR WET LOCATIONS. SEAL AS NECESSARY TO ENSURE MOISTURE RESISTANCE.



1 ELECTRICAL FLOOR PLAN - LIGHTING
1/4" = 1'-0"

0' 4' 8'

HAMMOND & ASSOCIATES

SEAL:
GEORGIA
NATHANIEL D. HAMMOND
REGISTERED PROFESSIONAL ENGINEER
04/09/2025

PROJECT TITLE: SHAMROCK PARK PAVILION
960 Senoia Road
Tyrone, Georgia 30290
CLIENT: VIRIDIAN STUDIO
PROJECT NUMBER: 2024.006
SHEET TITLE: ELECTRICAL FLOOR PLAN – LIGHTING

HAMMOND ENGINEERING, INC
CONSULTING ENGINEERS
6951 PEACHTREE INDUSTRIAL BLVD. #208
NORCROSS, GEORGIA, 30092.
TEL: (678)292-6937
NATHANIEL D. HAMMOND P.E.
MECHANICAL, ELECTRICAL ENGINEER
P.E. #041450

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SHEET NO.
E201
OF SHEETS

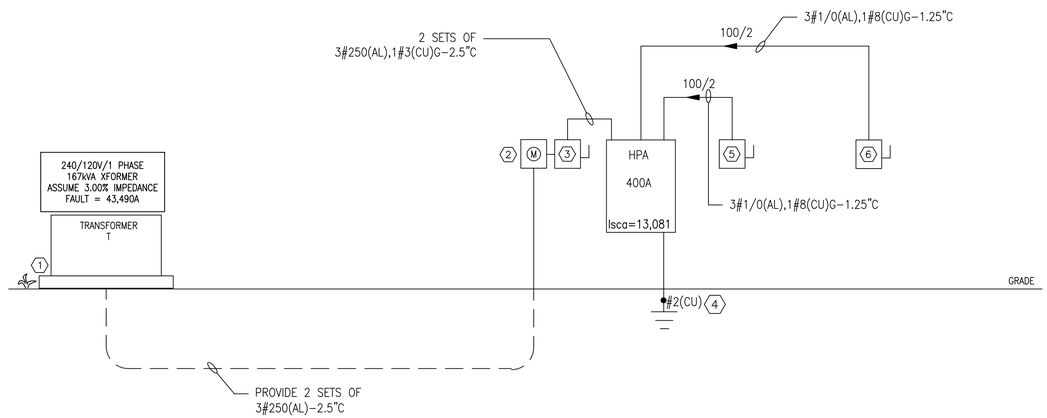
PANELBOARD "HPA" SCHEDULE

VOLTAGE: 240/120V 1 Ph 3 Wire | MAIN: 400A | MCB | MOUNTING: SURFACE | REMARKS:
BUS SIZE: 400A | TOTAL LOAD: 55.7 | KVA | FAULT DUTY: SEE RISER | Provide copper ground bus

CKT NO	DESCRIPTION	LOAD (kVA) LTG	REC	MTR	A/C	HTG	CONT	KIT	BKR	PHASE A	PHASE B	BKR	LOAD (kVA) KIT	CONT	HTG	A/C	MTR	REC	LTG	DESCRIPTION	CKT NO
1	LIGHTING - FUTURE BOLLARD	1.5							20/1	3.0		20/1							1.5	LIGHTING - FUTURE BOLLARD	2
3	LIGHTING - PAVILLION	1.0							20/1		1.2	20/1						0.2		RECEPTACLE - PROJECTOR (4)	4
5	LIGHTING - PAVILLION	1.0							20/1	2.5		20/1		1.5						RECEPTACLE - PROJ. SCREEN (4)	6
7	LIGHTING - PAVILLION	1.0							20/1		1.0	20/1								RECEPTACLES (4)	8
9	SPARE								20/1	0.0		20/1								JUNCTION BOXES (4)	10
11	SPARE								20/1		0.0	20/1								JUNCTION BOXES (4)	12
13	SPARE								20/1	0.0		20/1								SPARE	14
15	SPARE								20/1		0.0	20/1								SPARE	16
17	SPARE								20/1	0.0		20/1								SPARE	18
19	SPARE								20/1		0.0	20/1								SPARE	20
21	SPACE									0.0										SPACE	22
23	SPACE										0.0									SPACE	24
25	SPACE									0.0										SPACE	26
27	SPACE										0.0									SPACE	28
29	SPACE									0.0										SPACE	30
31	SPACE										0.0									SPACE	32
33	SPACE									0.0										SPACE	34
35	SPACE										0.0									SPACE	36
37	SPACE									0.0										SPACE	38
39	PANELBOARD "100A DISC"						24.0		100/2		48.0	100/2		24.0						PANELBOARD "100A DISC (2)"	40
41											0.0										42
	CONNECTED KVA	4.5	0.0	0.0	0.0	0.0	24.0	0.0		5.5	50.2		0.0	25.5	0.0	0.0	0.0	0.2	1.5	CONNECTED KVA	
	AMPERES/PHASE									22.9	209.2									AMPERES/PHASE	

TOTALS					
T	Lighting:	6.0	X 125% =	7.5	
O	Receptacles:	0.2	NEC220.44	0.2	
T	Motors:	0.0	NEC220.18(A)	0.0	
A	Largest Motor:	0.0	NEC430.24	0.0	
L	A/C:	0.0	X 100% =	0.0	
S	Heating:	0.0	X 100% =	0.0	
	Continous:	49.5	X 100% =	49.5	
	Kitchen:	0.0	NEC220.56	0.0	
	Not Used.	--	Not Used.	--	
	Not Used.	--	Not Used.	--	
	CONNECTED KVA	55.7		57.2	**CODE KVA**
	TOTAL AMPS	232.1		238.3	**CODE AMPS**

NOTES:
1) This circuit breaker to hav e pad lockable device.
2) Circuit breaker to be "HACR" type.
3) Provide shunt trip type circuit breaker.
4) This shall be a GFI type circuit breaker
5) Demand load for guest room lts&receptls calculated by area per 2023 NEC Table 220.12, 220.14(J), & Table 220.42.
6) Diversity in accordance with 2023 NEC Table 220.84. 0 Units @ 100% .
7) Not Used
8) Not Used
9) Not Used
10) Not Used
11) Not Used

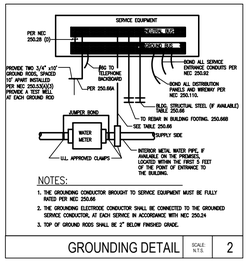


GENERAL NOTES

1. AIC RATINGS FOR BREWERS AND EQUIPMENT SHALL BE THE NEXT STANDARD SIZE OR GREATER THAN FAULT CURRENT INDICATED ON RISER DIAGRAMS. SERIES RATING IS ACCEPTABLE, IF CONTRACTOR CHOOSES TO PROVIDE SERIES RATING. SUBMIT UL SERIES COMBINATION WITH SUBMITTALS.
2. AVAILABLE FAULT CURRENT INDICATED AT THE POWER COMPANY TRANSFORMER IS A CONSERVATIVE ESTIMATE BY THE ENGINEER. CONTACT POWER COMPANY TO OBTAIN ACTUAL AVAILABLE FAULT CURRENT PRIOR TO SUBMITTALS. IF FAULT CURRENT IS GREATER THAN THAT INDICATED ON RISER DIAGRAM CONTACT ENGINEER TO RECALCULATE FAULT CURRENT AT EACH PIECE OF EQUIPMENT PRIOR TO SUBMITTALS.
3. ELECTRICAL ROOM LAYOUT IS BASED ON SIEMENS EQUIPMENT. IF EQUIPMENT OTHER THAN SIEMENS IS UTILIZED, CONTRACTOR SHALL BE RESPONSIBLE TO MAKE EQUIPMENT FIT IN ROOM AND MAINTAIN WORKING CLEARANCES.
4. PROVIDE TO SCALE ELECTRICAL EQUIPMENT PLAN LAYOUTS WITH SUBMITTALS.
5. BOND ALL SERVICE GROUNDS TOGETHER.
6. PROVIDE FAULT CURRENT SIGN ON ALL GEAR PER NEC 110.24.
7. PROVIDE GRAPHIC PLAQUE INDICATING OTHER SERVICE LOCATIONS. MOUNT IN EACH ELECTRICAL ROOM.
8. MARK ALL PANELS AND LOAD CENTERS TO INDICATE WHERE THE POWER SUPPLY ORIGINATES PER NEC 408.4(B).
9. ALL ALUMINUM CONDUCTORS SHALL BE COMPACT TYPE AND PROVIDE ANTIOXIDANT PASTE ON ALL ALUMINUM CONDUCTORS AT TERMINATION POINTS.
10. FOR METER CENTERS RATED FOR 1200 AMPS, WHEN TAP BOX IS IN THE MIDDLE, THE HORIZONTAL BUSSING IN EACH METER STACK SHALL BE RATED FOR 800 AMPS. IF TAP BOX IS AT THE END, THE HORIZONTAL BUSSING IN EACH METER STACK SHALL BE RATED FOR 1200 AMPS. FOR EACH METER CENTER RATED FOR MORE THAN 1200 AMPS, THE TAP BOX SHALL BE IN THE MIDDLE AND THE HORIZONTAL BUSSING IN EACH METER STACK SHALL BE RATED FOR 1200 AMPS.
11. CONTRACTOR TO COORDINATE WITH POWER COMPANY, PRIOR TO ANY WORK, AND OBTAIN REQUIREMENTS FOR ELECTRICAL SERVICE. CONTRACTOR TO PROVIDE POWER LOAD FORMS, INCLUDING ALL ASSOCIATED DOCUMENTS REQUIRED BY THE POWER COMPANY, TO THE APPROPRIATE POWER COMPANY REPRESENTATIVE PRIOR TO ANY WORK.
12. CIRCUIT BREAKERS 1200 AMP OR LARGER SHALL COMPLY WITH NEC 240.87, ARC FLASH ENERGY REDUCTION.
13. PROVIDE SELECTIVE COORDINATION STUDY FOR ELEVATOR CIRCUIT PER NEC 620.62.
14. CONDUIT RISING THROUGH THE BUILDING SHALL BE SUPPORTED PER NEC 300.19.

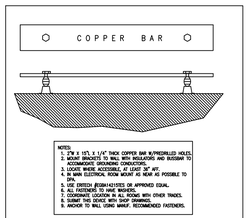
ELECTRICAL LEGEND NOTES (THIS SHEET ONLY)

1. PROVIDE TRANSFORMER PAD. COORDINATE REQUIREMENTS WITH GA POWER ENERGY PRIOR TO BID.
2. METER SOCKET.
3. 400/2/400AF/3R DISCONNECT SWITCH.
4. PROVIDE GROUND WIRE AS INDICATED FOR BUILDING GROUND. SEE THIS SHEET FOR DETAILS. ELECTRICAL CONTRACTOR SHALL BOND ALL SERVICE GROUNDS TOGETHER AS INDICATED IN DETAIL UTILIZING A 3/0CU/G.
5. PROVIDE 100A/2/100AF/3R CAMLOCK DISCONNECT SAFETY SWITCHES FOR PERFORM AUDIO EQUIPMENT.
6. PROVIDE 100A/2/100AF/3R CAMLOCK DISCONNECT SAFETY SWITCHES FOR PERFORM LIGHTING EQUIPMENT.



NOTES:
1. THE GROUNDING CONDUCTOR BROUGHT TO SERVICE EQUIPMENT MUST BE FULLY RATED PER NEC 250.66
2. THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONNECTED TO THE GROUNDED SERVICE CONDUCTOR, AT EACH SERVICE IN ACCORDANCE WITH NEC 250.24
3. TOP OF GROUND RODS SHALL BE 2" BELOW FINISHED GRADE.

GROUNDING DETAIL | SCALE: N.T.S. | 2



GROUNDING BAR DETAIL | SCALE: N.T.S. | 3

HAMMOND & ASSOCIATES
REGISTERED PROFESSIONAL ENGINEERS

SEAL:
GEORGIA
NATHANIEL D. HAMMOND
REGISTERED PROFESSIONAL ENGINEER
04/09/2025

PROJECT TITLE: SHAMROCK PARK PAVILION
960 Senoia Road
Tyrone, Georgia 30290
CLIENT: VIRIDIAN STUDIO
PROJECT NUMBER: 2024.006
SHEET TITLE: ELECTRICAL RISER DIAGRAM

HAMMOND ENGINEERING, INC
CONSULTING ENGINEERS
6961 PEACHTREE INDUSTRIAL BLVD. #208
NORCROSS, GEORGIA, 30092.
TEL: (678)292-6937
NATHANIEL D. HAMMOND P.E.
MECHANICAL / ELECTRICAL ENGINEER
P.E. #047455

REVISION	DESCRIPTION	DATE

DRAWN BY: SJT
CHECKED BY: CNW
SCALE: AS NOTED
DATE: 04-09-2025
PROJECT NO.: H&A: 241112
SUBMITTAL: 100% CD

SHEET NO.
E901
OF SHEETS

GENERAL NOTES

1. SEE LANDSCAPE ELECTRICAL DRAWING H1.1 FOR LANDSCAPE ELECTRICAL SCOPE.

KEY NOTES

1. POWER COMPANY SINGLE PHASE TRANSFORMER 240/120V T1. COORDINATE LOCATION WITH POWER COMPANY PRIOR TO INSTALLATION.
2. PROVIDE SERVICE CONDUCTORS TO 400A DISC. SEE E901 FOR CONDUIT AND CONDUCTOR SIZES.
3. NOT USED.
4. PROVIDE DEDICATED CIRCUIT FOR FUTURE BOLLARDS IN THIS AREA. ALL WIRING SHALL BE #10, PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT, PROVIDE (2)20/1 GFCI CIRCUIT BREAKERS.
5. PROVIDE 6 POLE CONTRACTOR WITH ENCLOSURE, COIL OF CONTACTOR SHALL BE CONTROLLED BY PHOTOCELL MOUNTED ON ROOF FACING NORTH, MOUNT CONTACTOR NEXT TO PANEL 'HPA'.
6. CONTRACTOR IS TO PROVIDE (1) 4" SCHEDULES 40 PVC PULLWIRE FOR INTERNET SERVICE. CONTRACTOR IS TO TERMINATE AT SERVICE PULL BOX. VERIFY EXACT LOCATION AND REQUIREMENTS OF TERMINATION POINT WITH SERVICE PROVIDER, LOW VOLTAGE, AND CIVIL DRAWINGS PRIOR TO BID

1 ELECTRICAL SITE PLAN
1" = 20'-0"

HAMMOND & ASSOCIATES

SEAL:
GEORGIA
NATHANIEL D. HAMMOND
04/09/2025

PROJECT TITLE: SHAMROCK PARK PAVILION
960 Senoia Road
Tyrone, Georgia 30290
CLIENT: VIRIDIAN STUDIO
PROJECT NUMBER: 2024.006
SHEET TITLE: ELECTRICAL SITE PLAN

HAMMOND ENGINEERING, INC
CONSULTING ENGINEERS
6961 PEACHTREE INDUSTRIAL BLVD. #208
NORCROSS, GEORGIA, 30092.
TEL: (678)292-6937
NATHANIEL D. HAMMOND P.E.
MECHANICAL / ELECTRICAL ENGINEER
P.E. #027450

REVISION	DESCRIPTION	DATE

DRAWN BY: SJT
CHECKED BY: CNW
SCALE: AS NOTED
DATE: 04-09-2025
PROJECT NO.: H&A: 241112
SUBMITTAL: 100% CD

SHEET NO.
ESP01
OF SHEETS