



Henderson County, North Carolina Code Enforcement Services

MEMORANDUM

DATE: August 4, 2011
TO: Technical Review Committee
TRC MEETING DATE: August 16, 2011
REGARDING: Falling Creek Camp Gymnasium
NAME OF APPLICANT: Falling Creek Camp
DEPARTMENT: Code Enforcement Services
STAFF CONTACT: Toby Linville
ATTACHMENTS: Site Plans

Please find attached plans for the following development proposal to be reviewed by the Henderson County Technical Review Committee on August 16, 2011.

Major Site Plan Review

Bud Holland of Platt Architecture submitted the major site plan for this project for the owners, Falling Creek Camp. They wish to utilize the property for a Camp Gymnasium which requires major site plan review per S.R 4.3.

SR 4.3. Camp

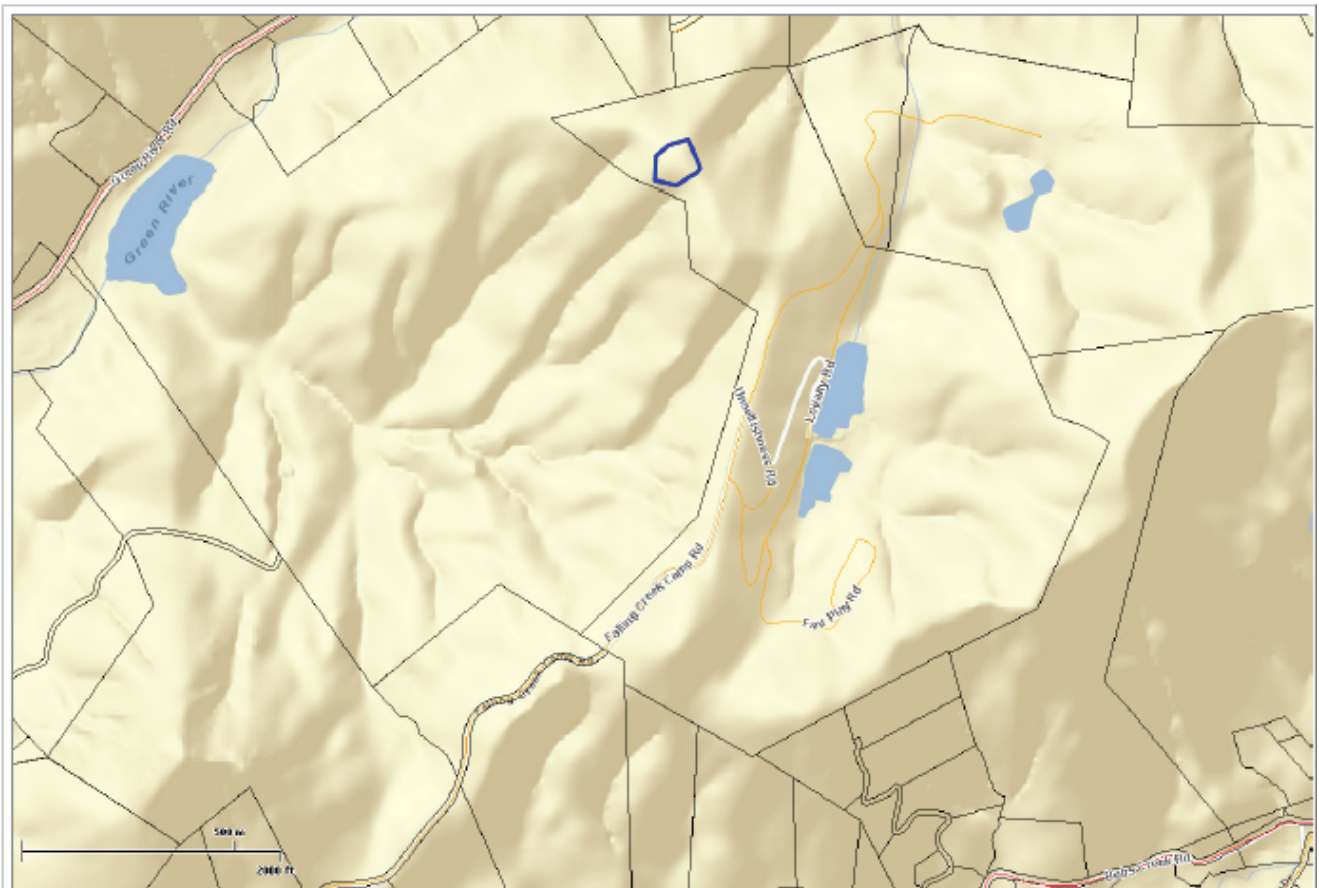
- (1) Site Plan. Major *Site Plan* required in accordance with §200A-299 (Major Site Plan Review).
- (2) Lighting. *Lighting mitigation* required.
- (3) Perimeter Setback: Fifty (50) feet.
- (4) Operations. The *camp* may contain *structures* ancillary to the use.
- (5) Solid Waste Collection. The facility shall provide a suitable method of solid waste disposal and collection consisting of either private collection from individual *uses* or the *use* of dumpsters (installed and/or operated to meet all local and state statutes, ordinances and regulations (including Chapter 165 of the Henderson County Code, *Solid Waste*) and thereafter certified by the Department of Public Health). Where dumpsters are used, Screen Class One (1), Two (2) or Three (3) shall be provided consistent with the requirements of §200A-150 (Screen Classification).
- (6) Common Area Recreation and Service Facilities. Those facilities within the *camp* shall be for the sole purpose of serving the overnight guests in the *camp*, and shall adhere to the development standards established therefore in SR 4.6 (*Common Area Recreation and Service Facilities*).

SR 4.6. Common Area Recreation and Service Facilities

- (1) Site Plan. Major *Site Plan* required in accordance with §200A-299 (Major Site Plan Review).
 - (2) Structure. Where the *common area recreation facility* is a swimming pool, spa or hot tub, it shall be protected by a fence or equal enclosure, a minimum of four (4) feet in height, and shall have controlled access.
 - (3) Operations. Common area service facilities shall be for the purpose of serving residents and visitors within the complex, development, *manufactured home park* or *subdivision*, and shall not be considered a commercial operation for *use* by those outside of the complex, development, *manufactured home park* or *subdivision*.
- The project site is located on 1.20 acres of land (PIN 9566493941) located at 163 Northern Lights Ln. located off Little River Rd. The project is located in the R-40 zoning district. The project meets the requirements of the Land Development Code and all the applicable major site plan requirements are met.
- The project site is located on 1.25 acres of land (PIN 9564047196) located on Falling Creek Camp Rd. off of Bobs Creek Rd. The project is located in the R-3 zoning district. The project meets the requirements of the Land Development Code and all the applicable major site plan requirements are met.

If you would like to submit your changes early please use the comment sheet provided and sending it back via email to tlinville@hendersoncountync.org.

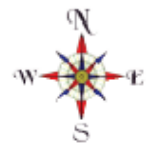
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Henderson County Government
 Geographic Information Systems (GIS)
 200 North Grove Street
 Hendersonville, NC 28792
 P - 828-698-5124
 F- 828-698-5122



Parcel Information

PIN: 9564047196	Parcel Number: 9947921	Jurisdiction:	GREEN RIVER FIRE
Listed To: PHARR, C YATES ; PHARR, MARISSA		Fire District:	GREEN RIVER FIRE
Physical Address: 1345 FALLING CREEK CAMP RD		County Zoning:	R3
Deed: 1260/264		Elementary School District:	HILLANDALE
Date Recorded: 01/23/2006		Middle School District:	FLAT ROCK MIDDLE
Mailing Address: PO BOX 98		High School District:	EAST HIGH
Mailing City, State, Zip Code: TUXEDO, NC 28784		Soils:	Evard soils, 15 to 25 percent slopes
Property Description: Lot # FALLING CAMP CREEK		Voting Precinct:	Green River
Map Sheet: 9564.00		Commissioner District:	5
Neighborhood: GREEN RIVER		Agricultural District:	None Found
Township: Green River			
Revenue Stamps: 0			
Assessed Acreage: 1.2500			
Building Value: \$233,600.00			
Land Value: \$23,900.00			
Total Value: \$257,500.00			

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Workspace

- Workspace (Author)
 - Annotations
 - Bookmarks
 - Layers - BETA
 - Address Points
 - PARCELS

Properties

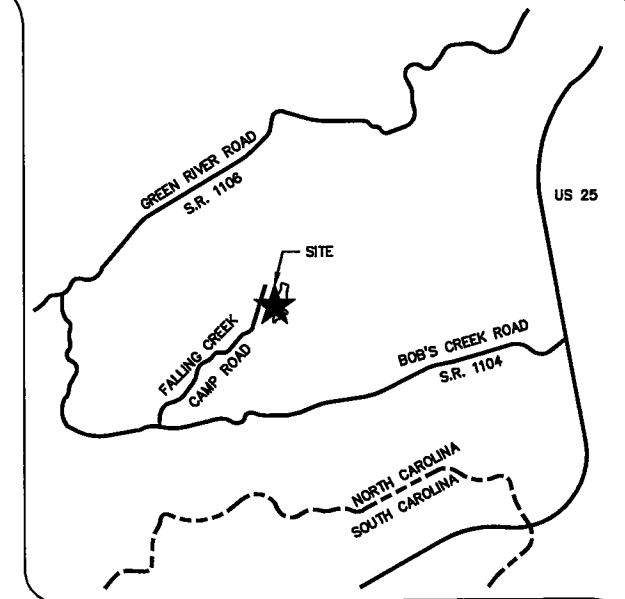
Name	Value

Selections

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POWERED BY Pictometry © 2000-2011



LOCATION MAP
N.T.S.

FALLING CREEK CAMP GYM AND FIELD GRADING

HENDERSON COUNTY, NORTH CAROLINA



WILLIAM G LAPSLEY & ASSOCIATES P.A.

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INDEX

SHEET NO.	DESCRIPTION
C-100	GRADING, STORM DRAINAGE AND EROSION CONTROL PLAN
C-101	GRADING, STORM DRAINAGE AND EROSION CONTROL DETAILS

G:\USERS\Tom\Projects\Falling Creek\project field\gtec plan.dwg, 6/8/2011 7:15:00 AM, 1:42.7719

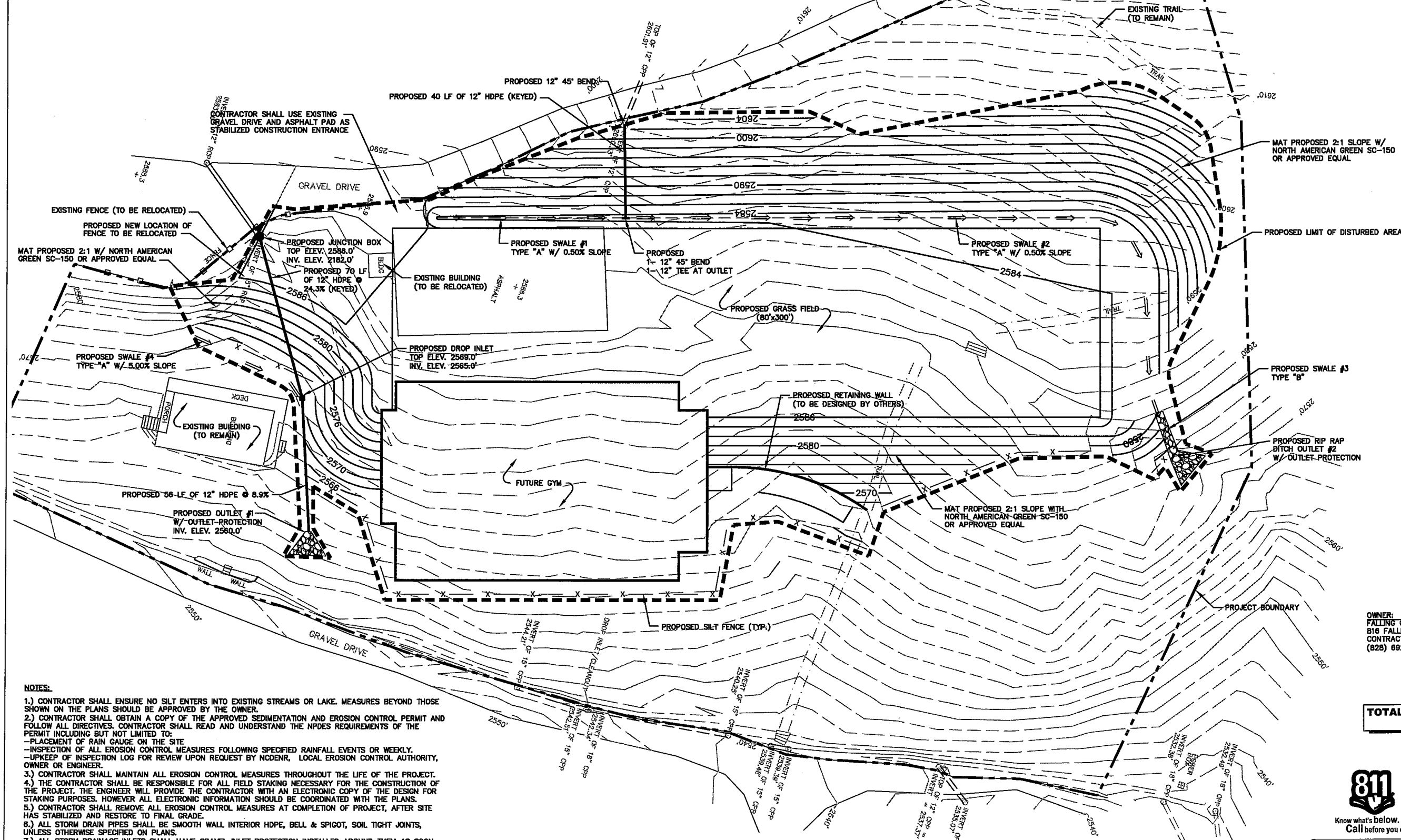
LEGEND

2540'	EXISTING 2' CONTOUR
2580	PROPOSED 2' CONTOUR
==	EXISTING CULVERT
→	PROPOSED STORM DRAIN
⇨	PROPOSED SWALE
---	PROPOSED LIMIT OF DISTURBED AREA
X	PROPOSED SILT FENCE

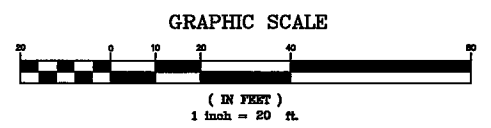


PROJECT SUMMARY

TOTAL PROJECT AREA	2.80 AC.
EXISTING IMPERVIOUS	0.13 AC. (4.7%)
PROPOSED IMPERVIOUS	0.25 AC. (8.9%)
TOTAL IMPERVIOUS	0.38 AC. (13.6%)



- NOTES:**
- 1.) CONTRACTOR SHALL ENSURE NO SILT ENTERS INTO EXISTING STREAMS OR LAKE. MEASURES BEYOND THOSE SHOWN ON THE PLANS SHOULD BE APPROVED BY THE OWNER.
 - 2.) CONTRACTOR SHALL OBTAIN A COPY OF THE APPROVED SEDIMENTATION AND EROSION CONTROL PERMIT AND FOLLOW ALL DIRECTIVES. CONTRACTOR SHALL READ AND UNDERSTAND THE NPDES REQUIREMENTS OF THE PERMIT INCLUDING BUT NOT LIMITED TO:
 - PLACEMENT OF RAIN GAUGE ON THE SITE
 - INSPECTION OF ALL EROSION CONTROL MEASURES FOLLOWING SPECIFIED RAINFALL EVENTS OR WEEKLY.
 - UPKEEP OF INSPECTION LOG FOR REVIEW UPON REQUEST BY NCDENR, LOCAL EROSION CONTROL AUTHORITY, OWNER OR ENGINEER.
 - 3.) CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT THE LIFE OF THE PROJECT.
 - 4.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD STAKING NECESSARY FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER WILL PROVIDE THE CONTRACTOR WITH AN ELECTRONIC COPY OF THE DESIGN FOR STAKING PURPOSES. HOWEVER ALL ELECTRONIC INFORMATION SHOULD BE COORDINATED WITH THE PLANS.
 - 5.) CONTRACTOR SHALL REMOVE ALL EROSION CONTROL MEASURES AT COMPLETION OF PROJECT, AFTER SITE HAS STABILIZED AND RESTORE TO FINAL GRADE.
 - 6.) ALL STORM DRAIN PIPES SHALL BE SMOOTH WALL INTERIOR HDPE, BELL & SPIGOT, SOIL TIGHT JOINTS, UNLESS OTHERWISE SPECIFIED ON PLANS.
 - 7.) ALL STORM DRAINAGE INLETS SHALL HAVE GRAVEL INLET PROTECTION INSTALLED AROUND THEM AS SOON AS THEY ARE INSTALLED.
 - 8.) ALL DITCHES AND SWALES SHALL HAVE TEMPORARY RIP RAP CHECK DAMS EVERY 50' IN ADDITION TO THE LINER(S) SPECIFIED.
 - 9.) CONTRACTOR SHALL TAKE SOIL SAMPLES FOR TESTING AND FOLLOW THE RECOMMENDATIONS BEFORE APPLYING SOIL AMENDMENTS.
 - 10.) SURVEY INFORMATION PROVIDED BY: DAVID C. HUNTLEY AND ASSOCIATES, INC 675 MAPLE STREET, HENDERSONVILLE, NORTH CAROLINA 28792, 828-693-8077. DRAWING # H-6379



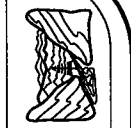
TOTAL DISTURBED AREA
1.6± ACRES



Revisions

date: 6/7/11
job: 11140
drawn: TWT

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FALLING CREEK CAMP
GREEN RIVER TOWNSHIP
HENDERSON COUNTY
NORTH CAROLINA

**GRADING, STORM DRAINAGE AND
EROSION CONTROL PLAN**

sheet
C-100

G:\USERS\Tom\Projects\Falling Creek\project file\dwg\ec plan.dwg, 6/8/2011 7:15:08 AM, 1:42:77:19

GENERAL CONSTRUCTION NOTES

- 1. All work and construction activities on the project site shall comply with all applicable OSHA regulations and requirements. It is the Contractor's responsibility to maintain a safe work site.
2. The Engineer and Owner reserve the right to modify project work items (including grading) as deemed necessary for the successful completion of the project. The Contractor may suggest adjustments to grading or other work items to be approved by the Engineer or Owner.
3. The Contractor shall comply with the Geotechnical Report for the placement of fill and compaction requirements. If no report is available, the following minimum standards shall apply:

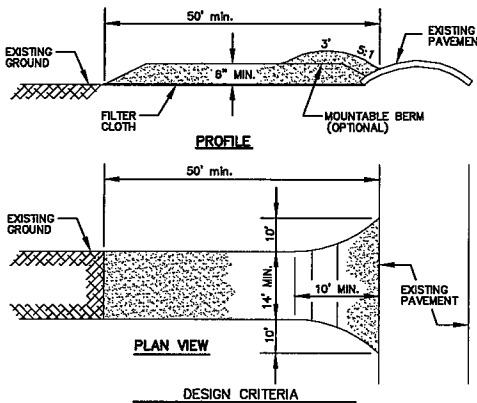
Placement of fill:

- A. Place the material in successive horizontal layers not exceeding 8" for the full width of the cross section.
B. Fill shall be placed only when it is within 3% of its optimum moisture content as determined by a Standard Proctor ASTM D 698.
C. Each layer of fill shall be spread evenly and shall be compacted to its specified density as determined by Standard Proctor ASTM D 698 before new layers are placed and compacted.
D. Sloped ground surfaces steeper than one vertical to four horizontal, on which fill is to be placed, shall be stepped or benched such that fill material will bond to the existing surfaces.
E. Embankment slopes shall be constructed by filling one (1) foot beyond the proposed finished slope surface for each lift. Compaction equipment shall work to the edge of each lift. After the entire fill is placed and compacted, the outside foot of the slope shall be trimmed to the design slope with a dozer. Unless indicated on the drawings, no fill slopes shall be steeper than 2 horizontal to 1 vertical.

Compaction:

- A. Structural Fill Under Buildings and Within 10' of Building Perimeter: 100% of Standard Proctor the entire depth of fill.
B. Under Walks, Drives, Pads, and Paved Areas: 95% of Standard Proctor except 100% of Standard Proctor in the upper 2".
C. Under Lawns and Planting Areas Beyond 10' from Building: 95% of Standard Proctor
D. Backfill in Trenches: Comply with compaction requirements for the area through which the trench runs.

- 4. All erosion control devices such as silt fences, diversions, sediment traps, etc. shall be maintained in workable conditions for the life of the project and shall be removed at the completion of the project only with the engineer's approval. See the NPDES requirements on this plan sheet for more detail. If during the life of the project a storm causes soil erosion which changes the finished grades or creates gullies and washed areas, these shall be repaired by the Contractor at no extra cost. The Contractor shall adhere to the approved erosion control plan and take any additional measures necessary to prevent sediment from leaving the site.

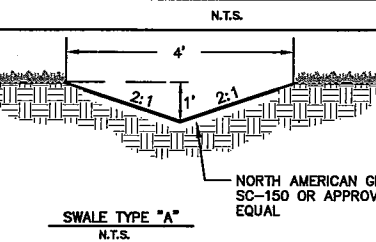


- 1. STONE SIZE - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. LENGTH - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. THICKNESS - Not less than six (6) inches of "ABC" or "Base Course".
4. WIDTH - Fourteen (14) foot minimum for one way traffic, Twenty (20) foot minimum for two way traffic, but not less than the full width at points where ingress or egress occurs.
5. ROAD GRADE - A maximum grade of 10% to 12% is recommended, although grades up to 15% are possible for short distances.
6. SIDE SLOPE OF ROAD EMBANKMENT - 2:1 or flatter.

CONSTRUCTION SPECIFICATIONS

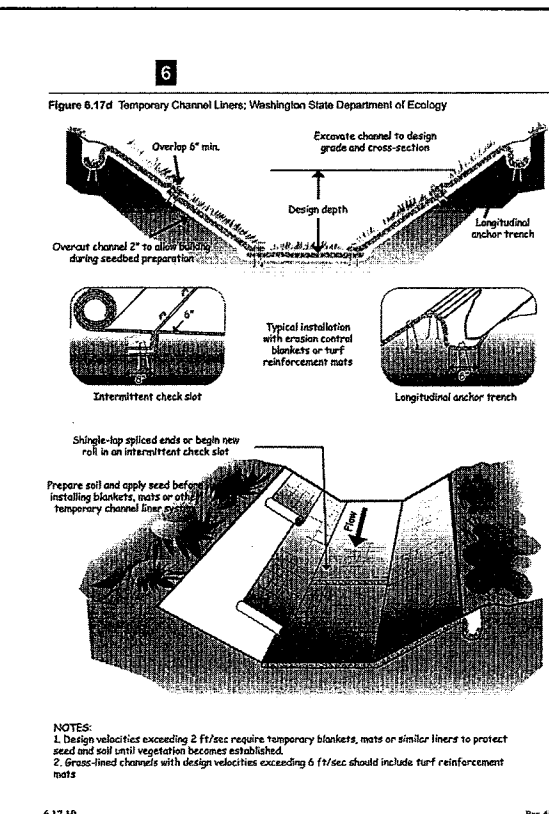
- 1. Clear roadbed and parking areas of all vegetation, roots, and other objectionable material.
2. Ensure that road construction follows the natural contours of the terrain if it is possible.
3. Locate parking areas on naturally flat areas if they are available. Keep grades sufficient for drainage but generally not more than 2% to 3%.
4. Provide surface drainage, and divert excess runoff to stable areas by using water bars or turnouts.
5. Keep cuts and fills at 2:1 or flatter for safety and stability and to facilitate establishment of vegetation and maintenance.
6. Spread a 8-inch course of "ABC" crushed stone evenly over the full width of the road and smooth to avoid depressions.
7. Where seepage areas or seasonally wet areas must be crossed, install subsurface drains or geotextile fabric cloth before placing the crushed stone.
8. Vegetate all roadside ditches, cuts, fills, and other disturbed areas or otherwise appropriately stabilize as soon as grading is complete.
9. Provide appropriate sediment control measures to prevent off-site sedimentation.

STABILIZED CONSTRUCTION ENTRY/EXIT



5. Disposable Materials:

- A. Clearing and grubbing wastes shall be removed from the site and properly disposed of by the contractor at their expense, unless otherwise specified.
B. Solid wastes to be removed such as sidewalks, curbs, pavement, etc. may be placed in specified disposal areas if permitted by the appropriate agencies and approved by the Owner. This material shall be spread and mixed with dirt eliminating all voids. This material shall have a minimum cover of 2". The Contractor shall maintain specified compaction requirements in these areas. When disposal sites are not provided, the Contractor shall remove this waste from the site and properly dispose of it at their expense.
C. Abandoned utilities such as culverts, water pipe, hydrants, casing, pipe appurtenances, utility poles, etc. shall be the property of the specified utility agency or company having jurisdiction. Before the Contractor can remove, destroy, salvage, re-use, sell or store for their own use any abandoned utility, they must present to the owner written permission from the utility involved.
D. Unless otherwise noted on the plans, burning will not be allowed on this project. Should burning be allowed by the owner, it is the Contractor's responsibility to obtain all necessary permits (at their expense) and follow all applicable rules and regulations.
6. Unless otherwise specified, all base, paving, curbing and other concrete work shall conform to the local municipality or NCDOT specifications for construction. All water and sewer construction shall conform to the local utility requirements and/or the NCDENR minimum standards.
7. In the event excessive ground water or springs are encountered within the limits of construction, the Contractor shall install necessary drains and stone as directed by the Engineer. All work shall be paid based upon the unit prices unless otherwise specified.
8. The Contractor is responsible for the coordination of adjustment of all utility surface accesses (including manhole covers, valve boxes, etc.) whether he performs the work or the utility company performs the work.
9. The Contractor shall control all "dust" by periodic watering and shall provide access at all times for property owners within the project and for emergency vehicles. All open ditches and hazardous areas shall be clearly marked in accordance with OSHA regulations.
10. All areas of exposed soil shall be seeded, fertilized and mulched according to the specifications. The finished surface shall be to grade and smooth, free of all rocks larger than 3" equipment tracks, dirt clods, bumps, ridges, and gouges prior to seeding. The surface shall be loosened to a depth of 1+/- to accept seed. The Contractor shall not proceed with seeding operations without first obtaining the Engineer's approval of the graded surface. All seeding shall be performed by a mechanical hydro-seeder. The Engineer prior to seeding must approve hand seeding on any area.



6.17.10 MATTING DETAIL Not To Scale

NCDENR Self Inspection Program for Erosion and Sedimentation Control

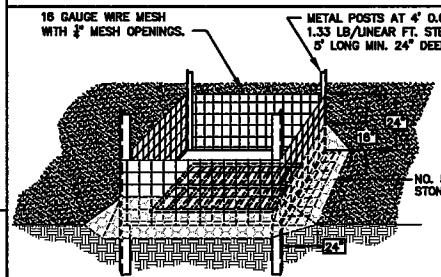
Effective October 1, 2010, persons conducting land disturbing activities larger than one acre must inspect their project after each phase of the project, and document the inspection in writing.

- 1. The financially responsible party, landowner or their agent may conduct the inspection.
2. All erosion and sedimentation control measures, including sedimentation control basins, sedimentation traps, sedimentation ponds, rock dams, temporary diversions, temporary slope drains, rock check dams, sediment fence or barriers, all forms of inlet protection, storm drainage facilities, energy dissipaters, and stabilization methods of open channels must be inspected.
3. The need for ground cover should also be checked. Temporary or permanent ground cover must be provided on exposed graded slopes and fills within 21 calendar days of the completion of a phase of grading. Permanent ground cover must be provided within 15 working days or 90 calendar days (60 days in HQW zones), whichever term is shorter, upon the completion of construction or development.
4. The actual dimensions (length and width) of the basins have to be checked, usually with a tape measure, and compared to the dimensions on the approved plan. Only relative elevations, comparing the bottom and top elevations are necessary.
5. A significant deviation means an omission, alteration or relocation of an erosion or sedimentation control measure that prevents the measure from performing as intended. If the approved erosion and sedimentation control plan cannot be followed, a revised plan should be submitted for review.
6. Use the form Self-Inspection Report for Land Disturbing Activity as Required by NCGS-113A 54.1. It can be completed by hand or completed as an Excel spreadsheet. An alternative is to make notations on the copy of the approved erosion and sedimentation control plan that is kept on the project site. Rule 15A NCAC 04B. 0131 states that: "documentation shall be accomplished by initialed and dated each measure or practice shown on a copy of the approved erosion and sedimentation control plan or by completing, dating and signing an inspection report that lists each measure, practice or device shown on the approved erosion and sedimentation control plan."
7. NPDES Self-Monitoring Report may only be used to report that the maintenance and repair requirements for all temporary and permanent erosion and sedimentation control measures, practices and devices have been performed.
8. Unlike the NPDES Self Monitoring Report, the Self-Inspection Report for Land Disturbing Activity does not have to be weekly. Rather, this report is completed after each phase of the approved erosion and sedimentation control plan is complete. Not every project will have all the possible phases, but the list of phases includes the following:
Installation of perimeter erosion and sediment control measures;
Clearing and grubbing of existing ground cover;
Completion of any phase of grading of slopes or fills;
Installation of storm drainage facilities;
Completion of construction or development;
Establishment of permanent ground cover sufficient to restrain erosion.
9. Do not mail the report. The records must be made available to the erosion control inspector at the site. Any documentation of inspections that occur on a copy of the approved erosion and sedimentation control plan shall occur on a single copy of the plan and that plan shall be made available on the site. Any inspection reports shall also be made available on the site.

Practice Standards and Specifications

EROSION CONTROL CONSTRUCTION SEQUENCE

- 1. OBTAIN PLAN APPROVAL AND APPLICABLE PERMITS
2. HOLD PRE CONSTRUCTION CONFERENCE. (PLEASE SEE NPDES REQUIREMENTS ON THIS SHEET)
3. INSTALL STABILIZED CONSTRUCTION ENTRY/EXIT.
4. INSTALL SILT FENCE AS SHOWN ON PLANS.
5. INSTALL TEMPORARY DIVERSIONS & SILT FENCING, CLEAR ONLY THE AREAS NECESSARY FOR THE INSTALLATION OF EROSION CONTROL MEASURES.
6. CLEAR AND GRUB SITE.
7. ROUGH GRADE SITE AND STOCKPILE TOPSOIL.
8. ANY DENUDED AREA THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN 21 CALENDAR DAYS SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING TO TEMPORARILY STABILIZE THE AREA. IF THE SEASON OR HARSH CONDITIONS PREVENT THE ESTABLISHMENT OF A TEMPORARY COVER, DISTURBED AREAS SHALL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL ACCORDING TO SPECIFICATIONS.
9. CONSTRUCT STORM DRAINAGE SYSTEM.
10. INSTALL INLET PROTECTION AROUND EACH CATCH BASIN AND PIPE INLET.
11. FINAL GRADE SITE.
12. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSPECTED IN ACCORDANCE WITH NPDES REGULATIONS, NEEDED REPAIRS SHALL BE MADE IMMEDIATELY.
13. AFTER SITE IS FINE GRADED, PERMANENT VEGETATION SHALL BE INSTALLED WITHIN 15 WORKING DAYS OR 90 CALENDAR (WHICHEVER IS SHORTER) DAYS ON ALL DISTURBED AREAS AND REMOVE TEMPORARY EROSION CONTROL DEVICES ONCE SITE HAS STABILIZED.



- NOTES:
1. EXCAVATE AROUND INLET MIN. 1', MAX. 2' BELOW TOP OF INLET FOR SEDIMENT STORAGE.
2. INSPECT INLETS AT LEAST WEEKLY AND AFTER SIGNIFICANT (1/2 INCH OR GREATER) RAIN FALL EVENT.
3. CLEAR THE MESH WIRE OF ANY DEBRIS OF OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS.
4. TAKE CARE NOT TO DAMAGE OF UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL.
5. REPLACE STONE AS NEEDED

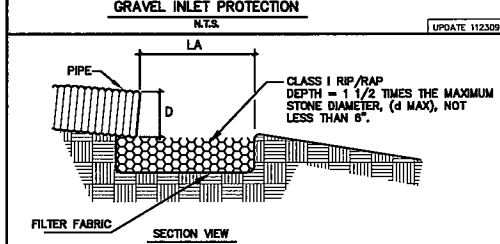


Table with columns: NO., D, LA, #50 SIZE. Row 1: 1, 12", 10', 9". Row 2: 2, DITCH, 10', 9".

TYPICAL PIPE OUTLET N.T.S. UPDATE 03/10/08

NPDES REQUIREMENTS

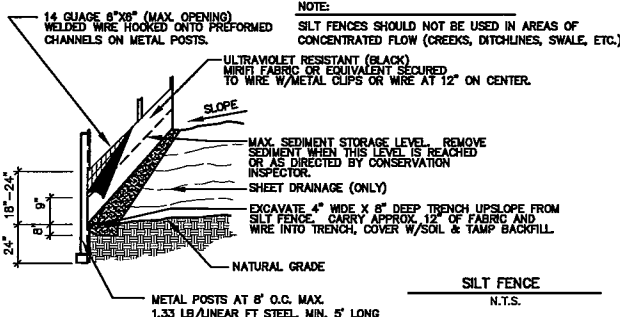
The contractor should be aware that any project with a disturbed area of greater than one acre must now comply with NPDES requirements for new construction projects. The contractor should obtain a copy of the plan approval and should follow all requirements including but not limited to:
Placement and upkeep of rain gauge on site that must be monitored throughout the course of the project.
The contractor shall keep a log of all rainfall events, erosion control activities, and inspections throughout the course of the project. This log must be kept on site at all times and be available for inspection.
The contractor shall inspect all erosion control measures in accordance with the NPDES requirements. A minimum inspection schedule of weekly and after every significant (1/2 inch or more) rainfall event (obtain copy of the permit for this project for details.)

SEEDING SPECIFICATIONS

- I. TEMPORARY COVER
A. LIME & FERTILIZER - CONTRACTOR SHALL FURNISH AND APPLY LIME AND FERTILIZER TO THE SOIL AS REQUIRED TO PROVIDE SATISFACTORY CONDITIONS FOR SEED GERMINATION. AN APPLICATION RATE OF 2000 LBS PER ACRE OF GROUND AGRICULTURAL LIME AND 750 LBS/ACRE OF FERTILIZER (10-10-10). THESE MATERIALS SHALL BE SPREAD UNIFORMLY OVER THE AREA TO BE PLANTED. THE SOIL SHALL BE TILLED TO A DEPTH OF 3 - 4 INCHES WITH EQUIPMENT APPROVED BY THE ENGINEER.
B. TEMPORARY COVER SEEDING - CONTRACTOR SHALL SELECT A QUICK GROWING GRASS WITH HIGH SEEDING VIGOR THAT IS SUITED TO THE AREA, THE TIME OF PLANTING, AND THAT WILL NOT INTERFERE WITH PLANTS TO BE SOWN LATER FOR PERMANENT COVER.
MAY THROUGH AUGUST
SUNDANGRASS 50 LB/AC.
OR GERMAN MILLET 40 LB/AC.
SEPT. THROUGH APRIL
RYEGRASS 120 LBS/AC.

ALL SEEDS SHALL HAVE BEEN TESTED NOT MORE THAN 6 MONTHS PRIOR TO THE DATE OF SEEDING.
CONTRACTORS SHALL APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRAULICALLY.
A SLURRY MIXTURE OF WATER, FERTILIZER, SEED, AND CELLULOSE FIBER MULCH IS ACCEPTABLE ON THIS PROJECT.
C. MULCHING - IN ORDER TO REDUCE DAMAGE FROM WATER RUN-OFF AND IMPROVE MOISTURE CONDITIONS FOR SEEDLINGS, A MULCH MATERIAL SHALL BE FURNISHED WHEN TEMPORARY SEEDING IS TO BE DONE. ACCEPTABLE MATERIALS ARE
A. DRY UNCHOPPED, UNWEATHERED SMALL GRAIN STRAW OR HAY FREE OF SEEDS OF COMPETING PLANTS - 1-2 TON/ACRE
B. WOOD FIBER (EXCELSIOR)
C. WOOD CELLULOSE FIBER - 500 LBS./ACRE WITHOUT STRAW
D. JUTE MATTING -

- II. PERMANENT COVER
A. CONTRACTOR SHALL FURNISH AND APPLY 90 LBS./1000 S.F. OF GROUND AGRICULTURAL LIME (2 TONS PER ACRE), 25 LBS./1000 S.F. OF FERTILIZER (10-10-10) (1000 LBS. PER ACRE), AND 2.3 LBS./1000 S.F. KENTUCKY 31 TALL FESCUE (100 LBS. PER ACRE) IN THE MANNER DESCRIBED ABOVE IN PARTS 1, 2 & 3. APPLY NURSE CROP AS FOLLOWS:
MAY 1 - AUG. 15 - 10 LBS./AC. GERMAN MILLET OR 15 LBS./AC. SUNDANGRASS
AUG. 15 - MAY 1 - 40 LBS./AC. RYE (GRAIN)
B. SEEDING DATES: KY31 TALL FESCUE
AUG. 20 - SEPT. 15 (BELOW 2500' ELEVATION)
MARCH 1 - MAY 1
JULY 15 - AUG. 30 (ABOVE 2500' ELEVATION)
MARCH 5 - MAY 15
C. MULCHING
APPLY 4,000 LB PER ACRE OF GRAIN STRAW SUITABLY TACKED DOWN. ADD NETTING TO STEEP SLOPES AND STAPLE PER MANUFACTURERS RECOMMENDATIONS.



- NOTE: SILT FENCES SHOULD NOT BE USED IN AREAS OF CONCENTRATED FLOW (CREEKS, DITCHES, SWALE, ETC.)
CONSTRUCTION SPECIFICATIONS
1. CONSTRUCT THE SEDIMENT BARRIER OF STANDARD OR EXTRA STRENGTH SYNTHETIC FILTER FABRIC.
2. ENSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 24 INCHES ABOVE THE GROUND SURFACE.
3. CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER FABRIC TO THE NEXT POST.
4. SUPPORT STANDARD STRENGTH FILTER FABRIC BY WIRE MESH SUPPORT TO THE UPSLOPE SIDE OF THE POSTS. EXTEND THE WIRE MESH SUPPORT TO THE BOTTOM OF THE TRENCH. FASTEN THE WIRE REINFORCEMENT, THEN FABRIC ON THE UPSLOPE SIDE OF THE FENCE POST. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUNDS TENSILE STRENGTH.
5. WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORT POSTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES.
6. EXTRA STRENGTH FILTER FABRIC WITH 6 FEET POST SPACING DOES NOT REQUIRE WIRE MESH SUPPORT FENCE. SECURELY FASTEN THE FILTER FABRIC DIRECTLY TO POSTS. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
7. EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
8. PLACE 12 INCHES OF THE FABRIC ALONG THE BOTTOM AND SIDE OF THE TRENCH.
9. BACKFILL THE TRENCH WITH SOIL PLACED OVER THE FILTER FABRIC AND COMPACT. THOROUGH COMPACTION OF THE BACKFILL IS CRITICAL TO SILT FENCE PERFORMANCE.
10. DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.

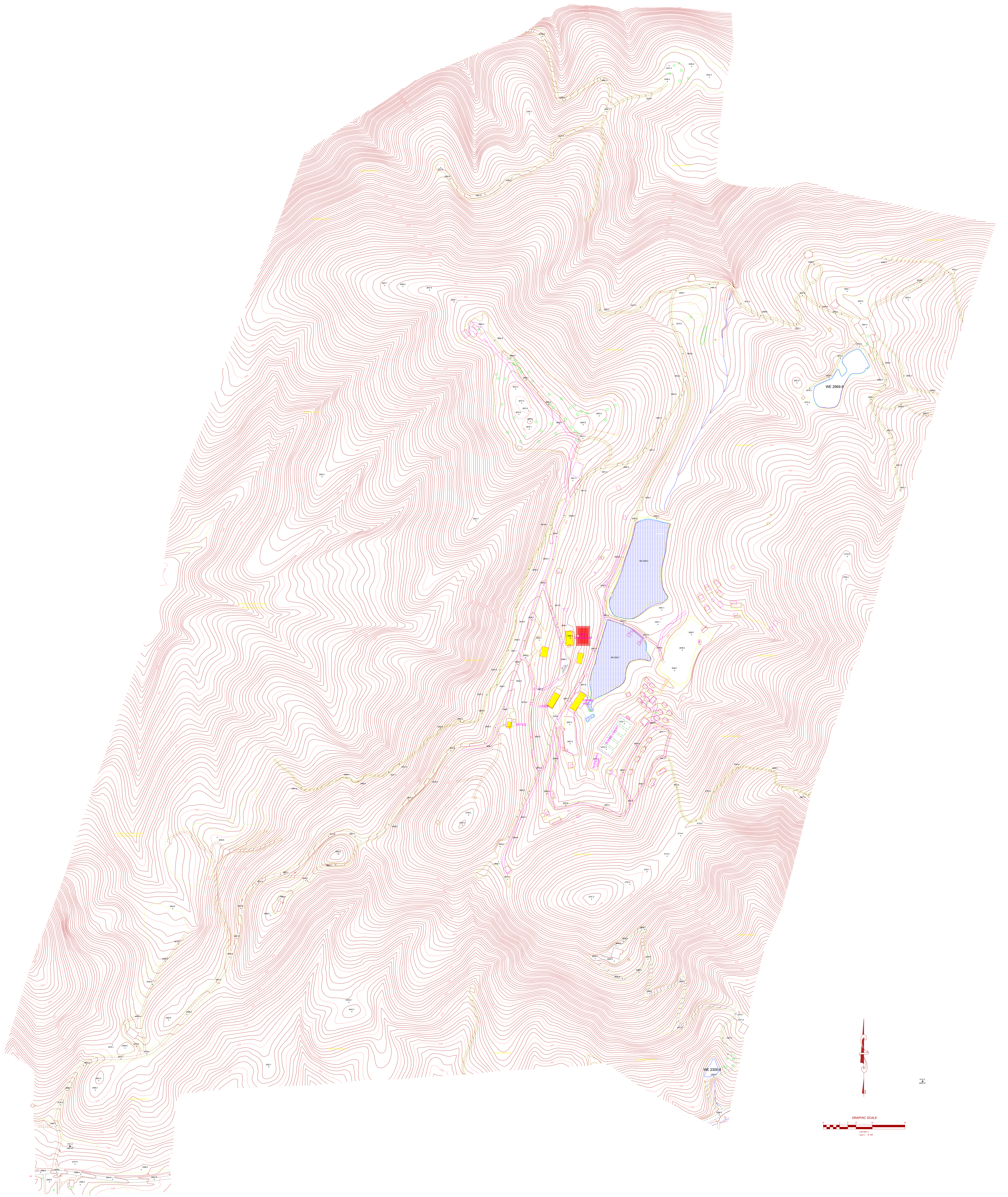


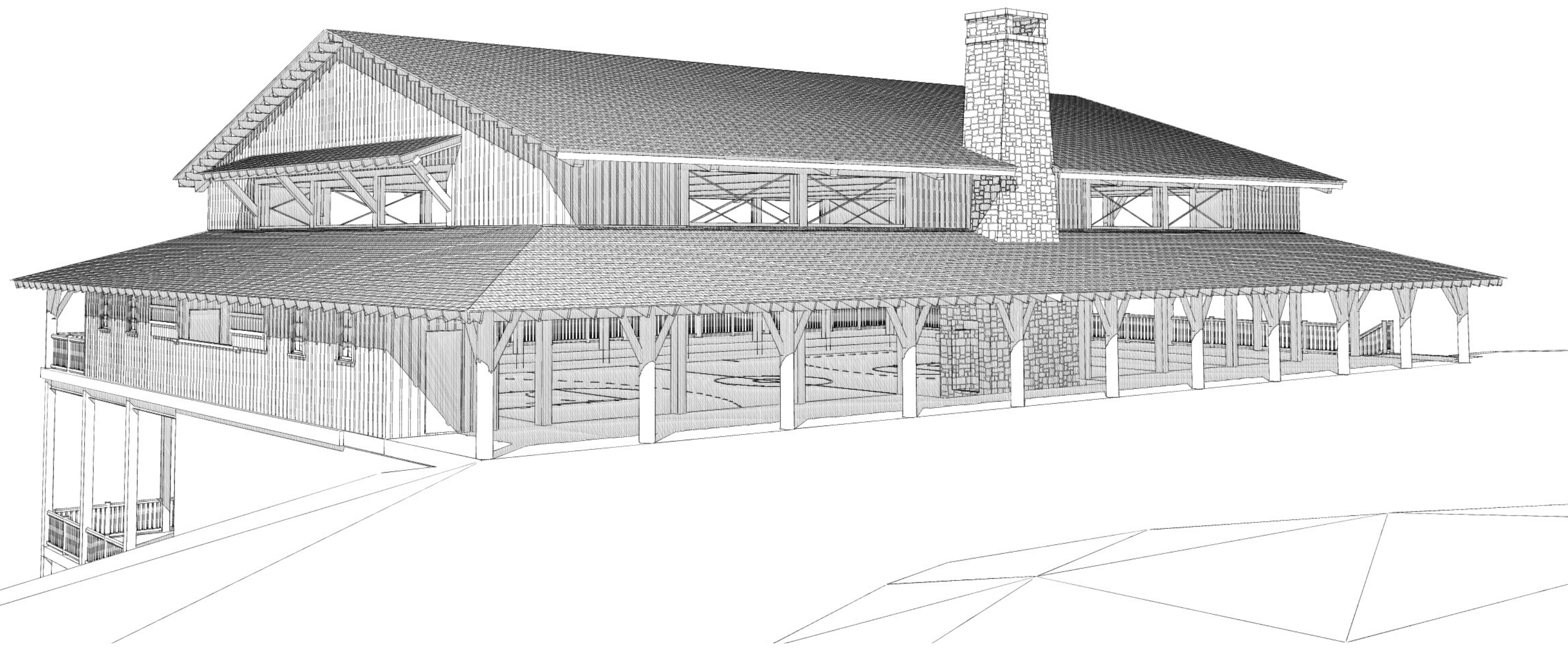
Know what's below. Call before you dig.



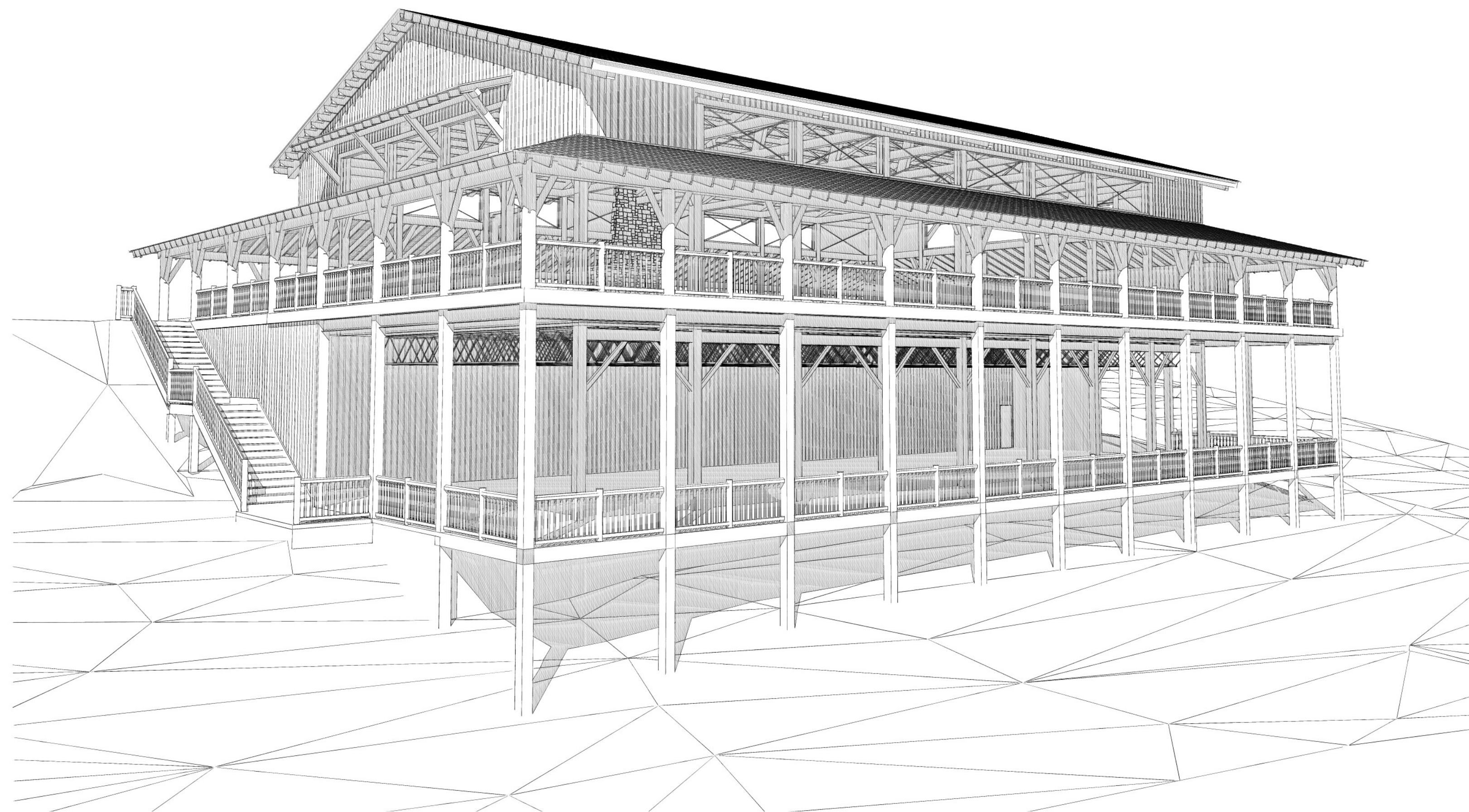
Table with columns: Revisions, date: 6/7/11, job: 11140, drawn: TWT

WILLIAM G. LAPSLEY & ASSOCIATES P.A. CONSULTING ENGINEERS & LAND PLANNERS ASHEVILLE, NORTH CAROLINA
FALLING CREEK CAMP GREEN RIVER TOWNSHIP HENDERSON COUNTY NORTH CAROLINA
GRADING, STORM DRAINAGE AND EROSION CONTROL DETAILS
sheet C-101

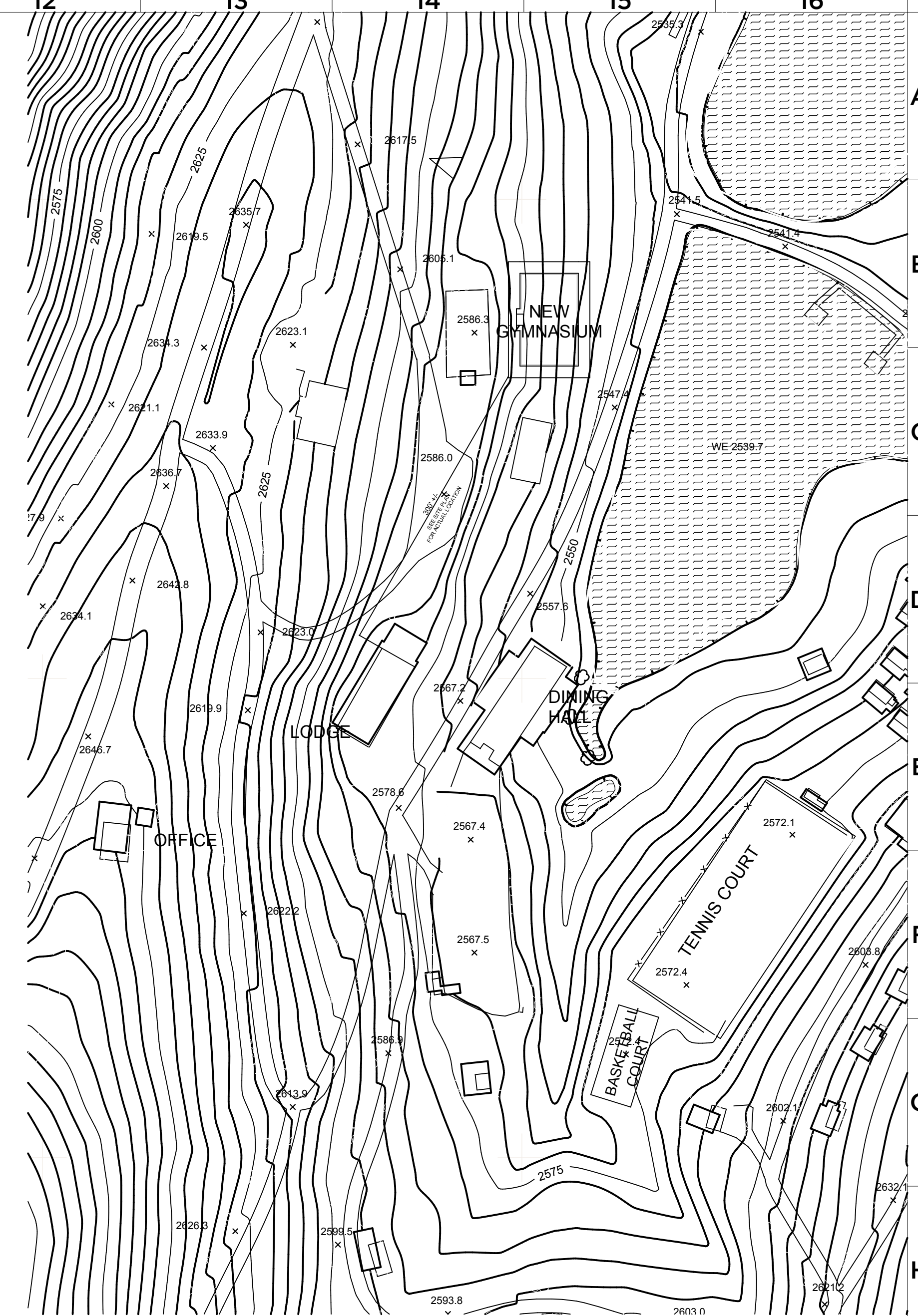




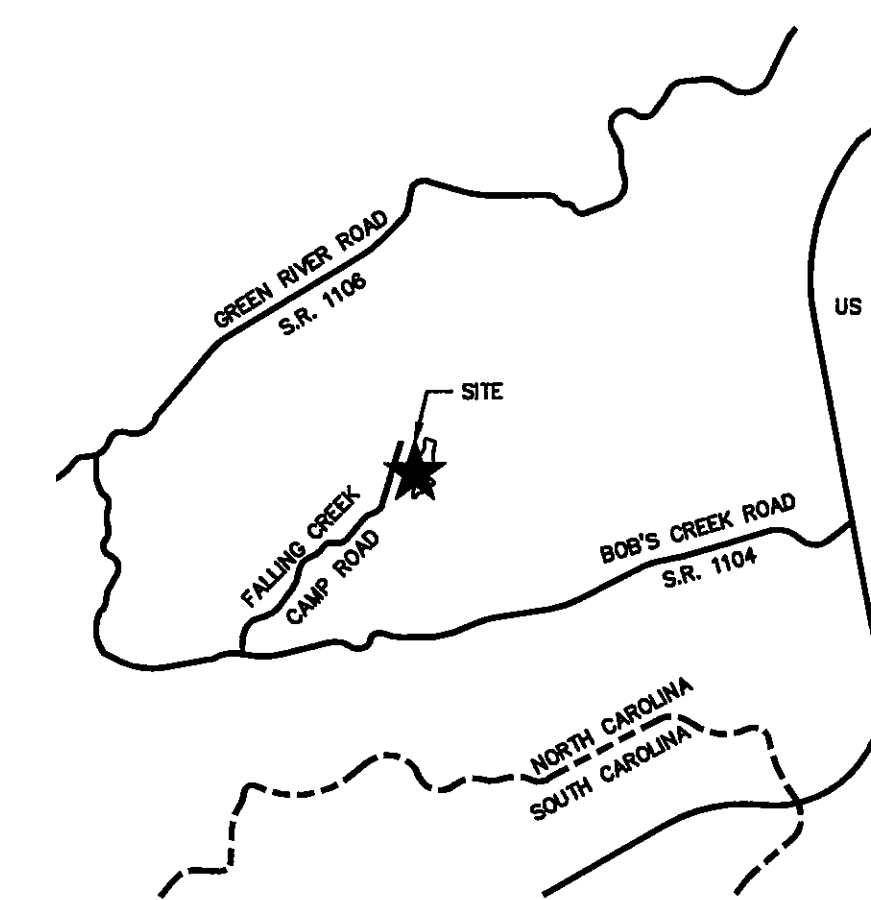
3 ENTRY PERSPECTIVE
SCALE: 1/86.67



4 VIEW SIDE PERSPECTIVE

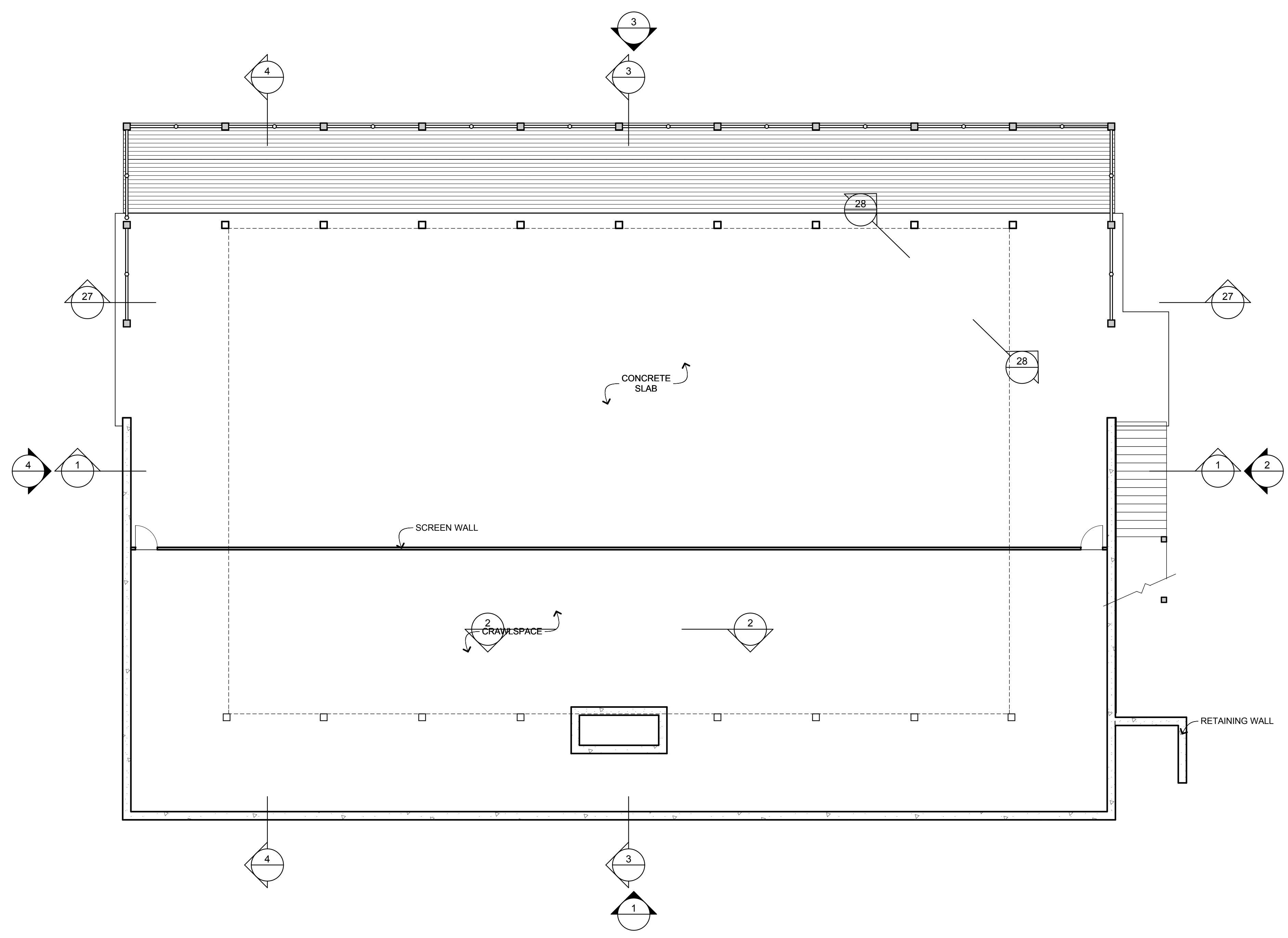


1 PARTIAL CAMP MAP
SCALE: 1" = 100'

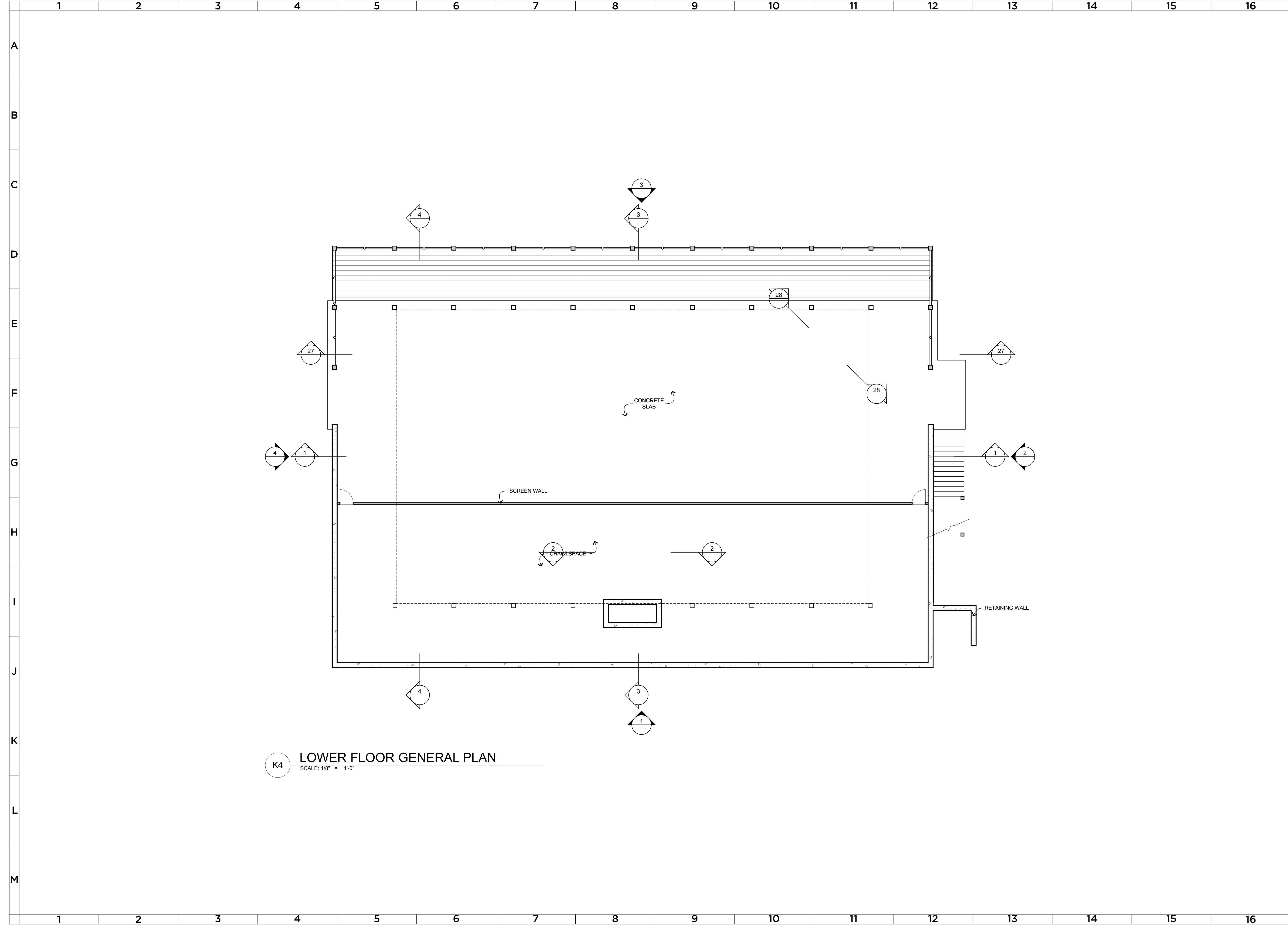


2 VICINITY MAP

DRAWING INDEX	
A001	COVER SHEET
A002	APPENDIX B
A201	LOWER FLOOR GENERAL PLAN
A202	MAIN FLOOR GENERAL PLAN
A203	ROOF PLAN
A401	ELEVATIONS
A501	SECTIONS
A701	DETAILS
A702	DETAILS
E101	LOWER FLOOR ELECTRICAL PLAN
E102	MAIN FLOOR ELECTRICAL PLAN
S1.0	FOUNDATION PLAN
S1.1	FOUNDATION DIMENSIONED PLAN
S2.0	MAIN FLOOR FRAMING PLAN
S3.0	ROOF FRAMING PLAN
S4.0	DETAILS
S5.0	DETAILS
S6.0	DETAILS
S7.0	DETAILS



K4 LOWER FLOOR GENERAL PLAN
SCALE: 1/8" = 1'-0"



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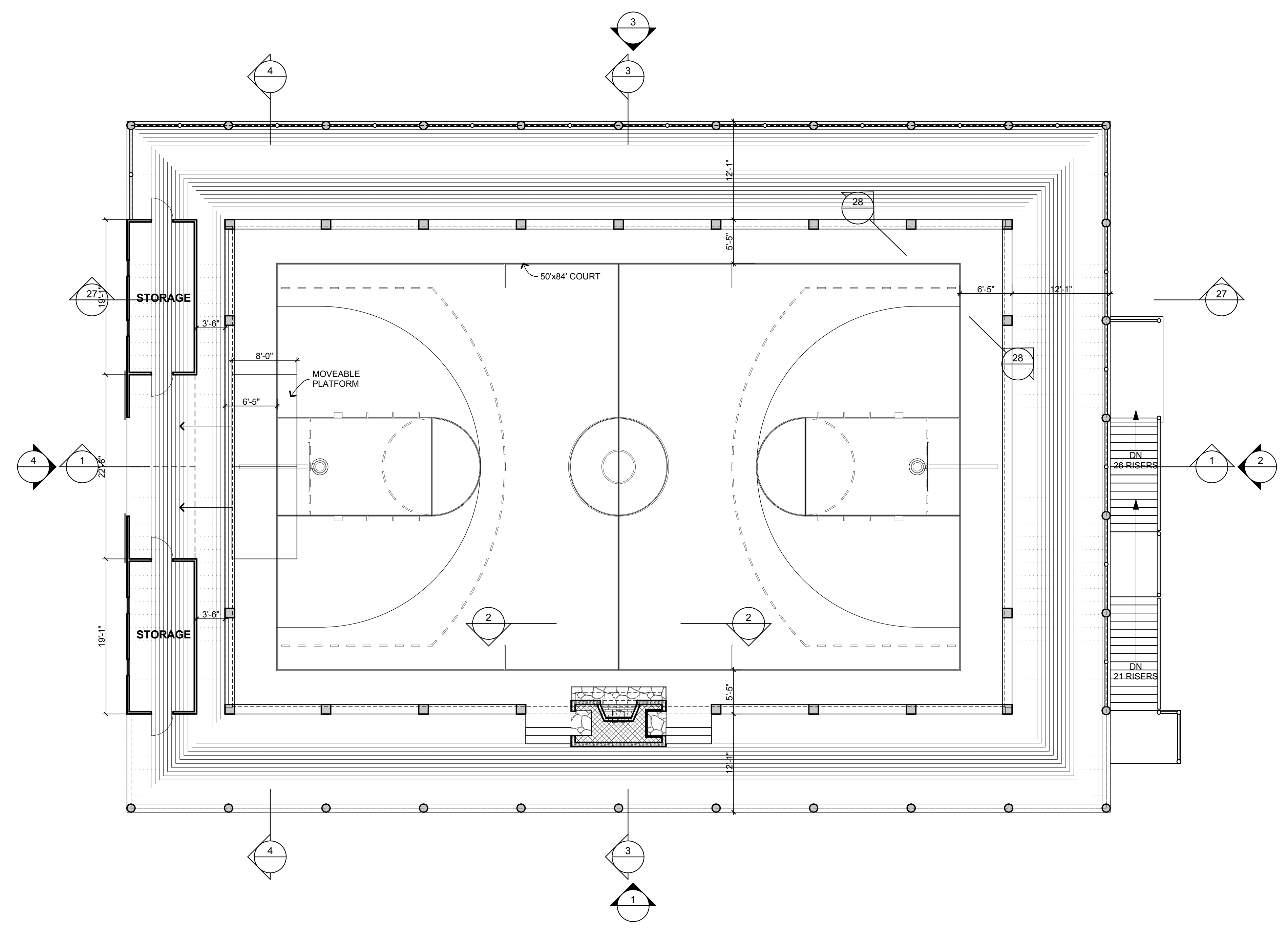
DATE JULY 26, 2011

PROJECT NO. 1105 © 2011

TITLE
MAIN FLOOR GENERAL PLAN

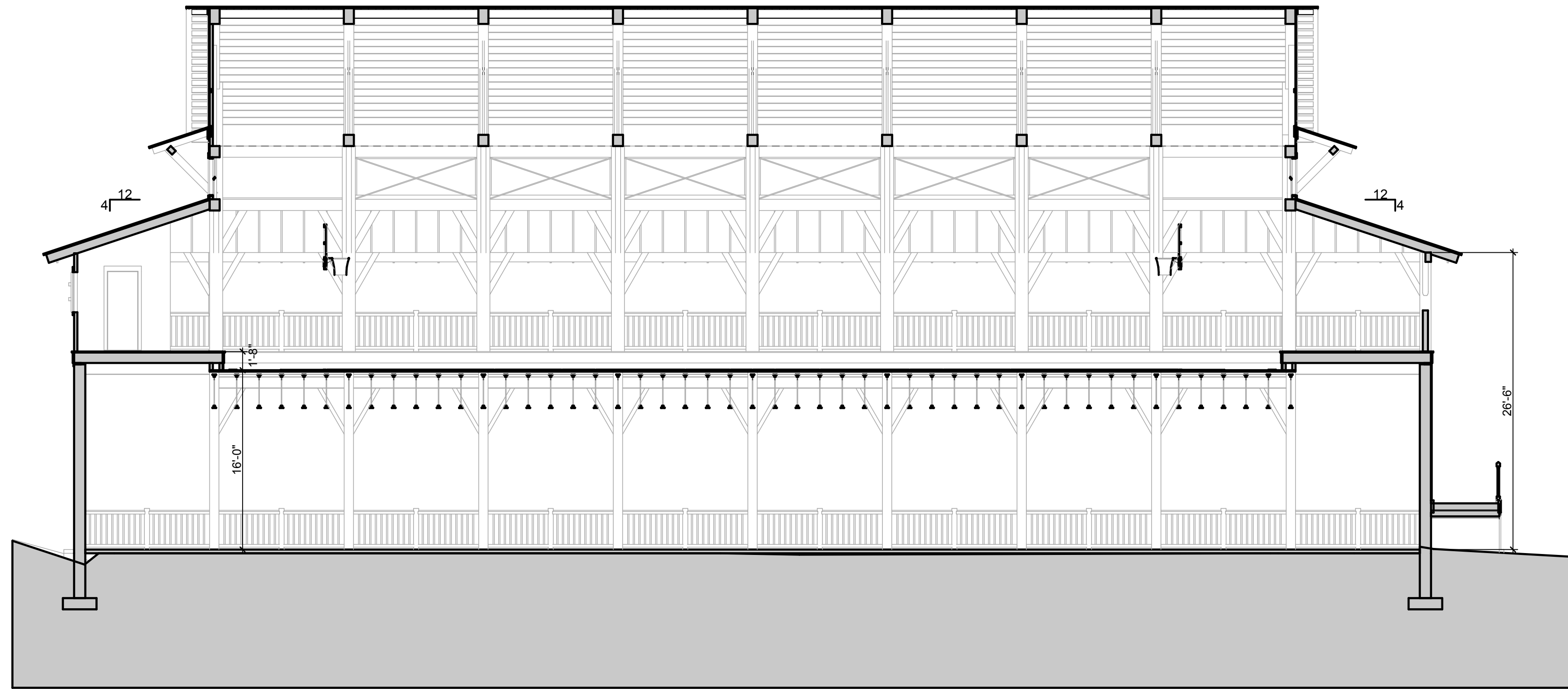
SHEET NO.

A202

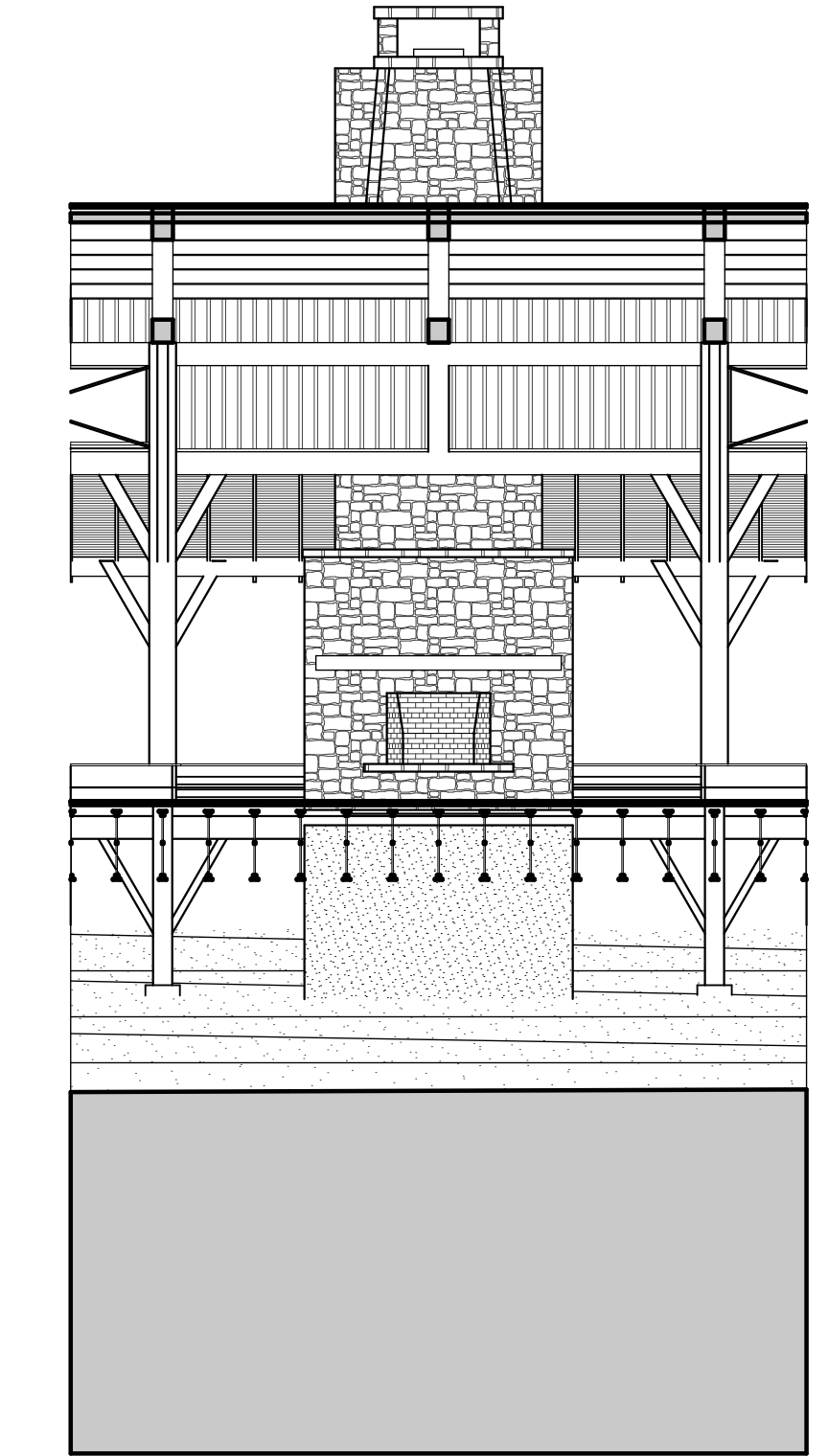


K4 MAIN FLOOR GENERAL PLAN
SCALE: 1/8" = 1'-0"

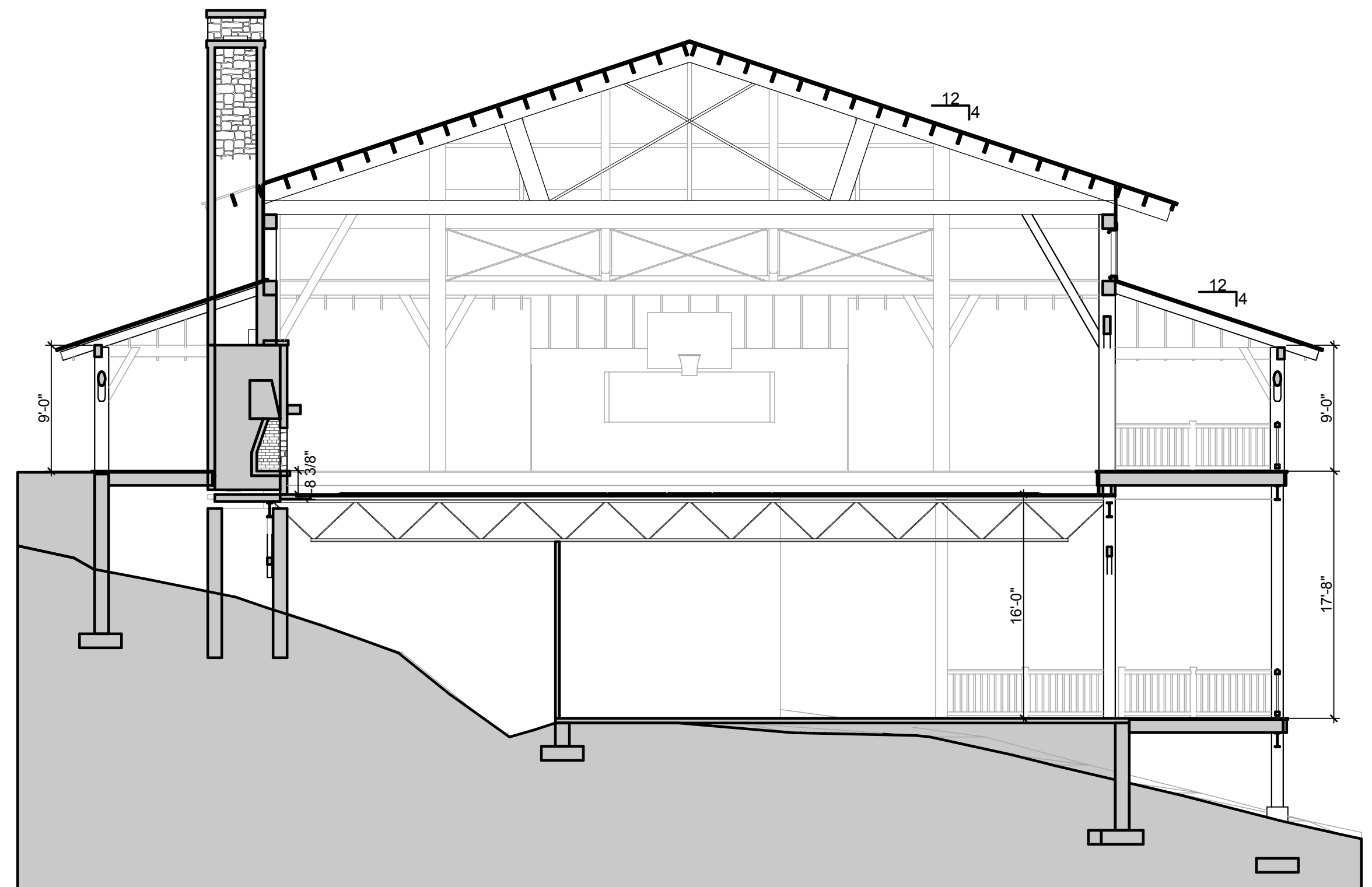
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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B															
C															
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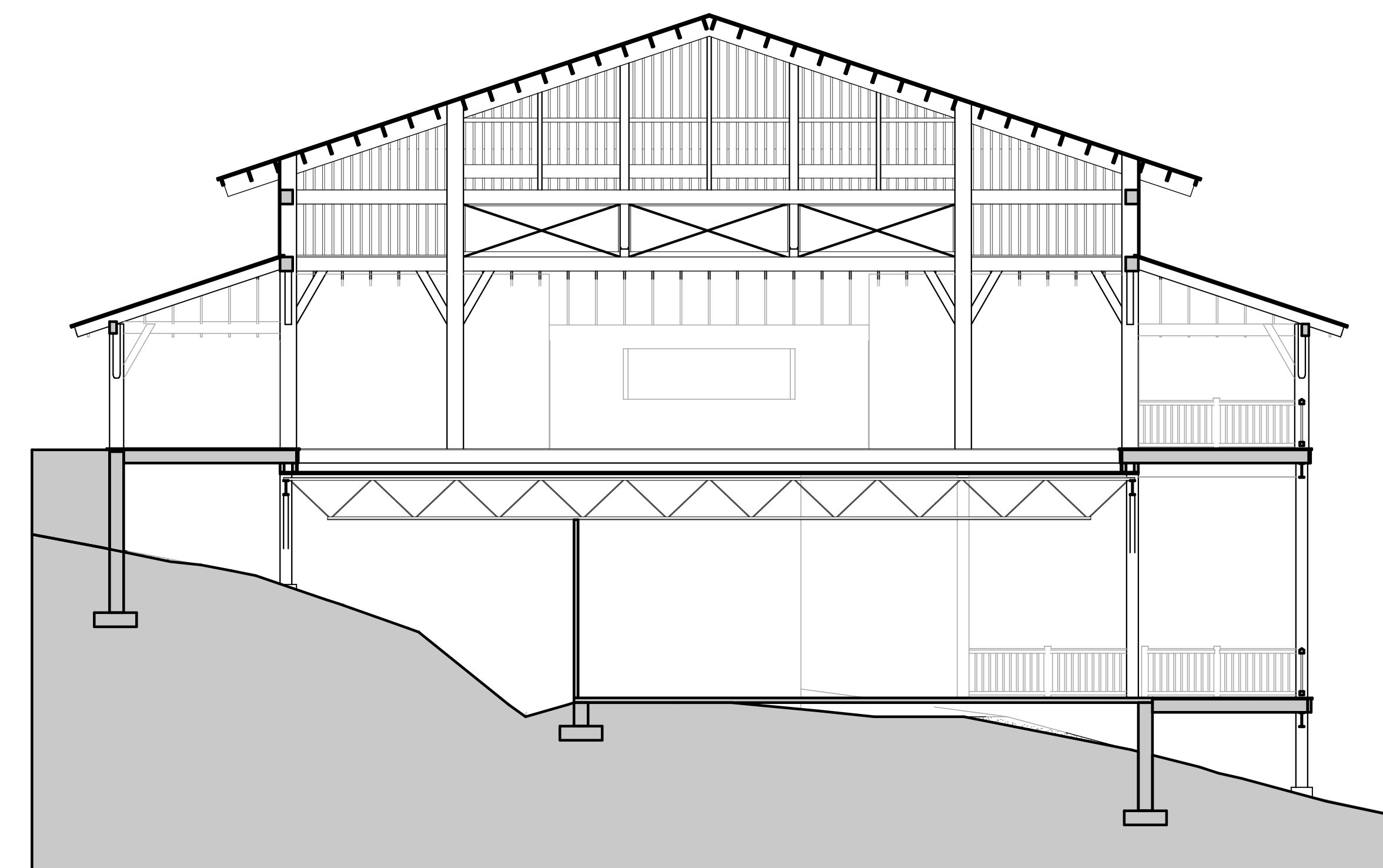
1 BUILDING SECTION
SCALE: 1/8" = 1'-0"



2 PARTIAL BUILDING SECTION
SCALE: 1/8" = 1'-0"



3 BUILDING SECTION
SCALE: 1/8" = 1'-0"



4 BUILDING SECTION
SCALE: 1/8" = 1'-0"

HENDERSON COUNTY, NC

A GYMNASIUM FOR
FALLING CREEK CAMP

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TITLE
SECTIONS

SHEET NO.

A501