1. Provide one copy each of buildings, stairways, and elevators to be reviewed by the architect.
2. Provide one copy each of the structural drawings to be reviewed by the engineer.
3. Provide one copy each of the plumbing and mechanical drawings to be reviewed by the engineer.
4. Provide one copy each of the electrical drawings to be reviewed by the electrician.

<table>
<thead>
<tr>
<th>Drawing</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>SEE &quot;S&quot; DRAWINGS</td>
</tr>
<tr>
<td>M</td>
<td>SEE &quot;M&quot; DRAWING</td>
</tr>
<tr>
<td>E</td>
<td>SEE &quot;E&quot; DRAWING</td>
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### ACCESSIBILITY FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible parking</td>
<td>Existing</td>
</tr>
<tr>
<td>Accessible restrooms</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### CODE SUMMARY

<table>
<thead>
<tr>
<th>Code</th>
<th>LG</th>
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<tbody>
<tr>
<td>SHEET NAME</td>
<td>CO02</td>
</tr>
<tr>
<td>SHEET NUMBER</td>
<td>1705</td>
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### MECHANICAL SUMMARY

<table>
<thead>
<tr>
<th>System</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating and cooling systems</td>
<td>Mechanical System: Condensing Rooftop Unit</td>
</tr>
<tr>
<td>Electrical system</td>
<td>Distribution Panel: 1000A</td>
</tr>
<tr>
<td>Lighting system</td>
<td>Occupancy sensors: Motion detectors</td>
</tr>
</tbody>
</table>

### ELECTRICAL SUMMARY

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lighting fixtures</td>
<td>400W LED, fixture: 12V, fixture: 24V</td>
</tr>
<tr>
<td>Switches and outlets</td>
<td>15A, 120/240V, GFCI, Nema 14-50R</td>
</tr>
</tbody>
</table>

### MEETING REQUIREMENTS

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td>Design criteria</td>
<td>CSA 01:2006, A136.5-1995, ASHRAE 90.1-2010</td>
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<tr>
<td>Building code</td>
<td>UL-2790, NFPA 101, NFPA 110, NFPA 70</td>
</tr>
<tr>
<td>Safety standards</td>
<td>OSHA 1910, OSHA 1926, NFPA 70, NFPA 110</td>
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### MEETING ACCOMMODATIONS

<table>
<thead>
<tr>
<th>Accommodation</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td>Wheelchair accessible</td>
<td>Yes</td>
</tr>
<tr>
<td>Hearing impaired</td>
<td>Yes</td>
</tr>
<tr>
<td>Speech impaired</td>
<td>Yes</td>
</tr>
<tr>
<td>Vision impaired</td>
<td>Yes</td>
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### BUILDING CODE REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building height</td>
<td>1 story</td>
</tr>
<tr>
<td>Building area</td>
<td>1,959 square feet</td>
</tr>
<tr>
<td>Exterior walls</td>
<td>4&quot; Brick + 1&quot; Air Cavity + 3.5&quot; Spray Foam Insulation</td>
</tr>
<tr>
<td>Roof system</td>
<td>Standing Seam Metal Roof + 4.5&quot; Polyiso Insulation</td>
</tr>
<tr>
<td>Floor system</td>
<td>2&quot; Rigid Insulation + 4&quot; Conc Slab</td>
</tr>
</tbody>
</table>

### PROFESSIONAL INFORMATION

<table>
<thead>
<tr>
<th>Professional</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architect</td>
<td>Louis Gerics, AIA</td>
</tr>
<tr>
<td>Engineer</td>
<td>Devita, Inc. Mary Humiston</td>
</tr>
<tr>
<td>Contractor</td>
<td>Innovative Design 919 832-6303</td>
</tr>
</tbody>
</table>

### PROJECT NUMBER

<table>
<thead>
<tr>
<th>Project Number</th>
<th>SCO ID #17-18065-01</th>
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</table>

### DRAWN BY

<table>
<thead>
<tr>
<th>Louis Gerics</th>
</tr>
</thead>
</table>

### CHECKED BY

<table>
<thead>
<tr>
<th>Louis Gerics</th>
</tr>
</thead>
</table>
### Field Hockey Fieldhouse
Appalachian State University
633 Intramural Field Rd.; Boone, NC 28608

#### 2012 EXCEL SPREADSHEET FOR PERFORMING PREMISE NUMBER FUTURE COUNT CALCULATIONS

**Page 1 of 3**

<table>
<thead>
<tr>
<th>Category</th>
<th>100% Construction Documents</th>
<th>Field Hockey Fieldhouse</th>
<th>Appalachian State University</th>
<th>633 Intramural Field Rd.; Boone, NC 28608</th>
</tr>
</thead>
</table>

#### FIXTURE COUNT FOR PUBLIC RESTROOM - BASED ON 60 OCCUPANCY OF EXISTING BLEACHERS

**Page 6 of 7**

<table>
<thead>
<tr>
<th>Category</th>
<th>100% Construction Documents</th>
<th>Field Hockey Fieldhouse</th>
<th>Appalachian State University</th>
<th>633 Intramural Field Rd.; Boone, NC 28608</th>
</tr>
</thead>
</table>

#### FIXTURE COUNT FOR LOCKER ROOM - BASED ON 50 GROSS PER TABLE 1044.1.1

**Page 1 of 3**

<table>
<thead>
<tr>
<th>Category</th>
<th>100% Construction Documents</th>
<th>Field Hockey Fieldhouse</th>
<th>Appalachian State University</th>
<th>633 Intramural Field Rd.; Boone, NC 28608</th>
</tr>
</thead>
</table>
Occupancy Schedule

<table>
<thead>
<tr>
<th>Number</th>
<th>Name</th>
<th>Area</th>
<th>Occ. Type</th>
<th>Occupancy</th>
<th>Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Home Locker</td>
<td>424 SF</td>
<td>Business</td>
<td>50</td>
<td>9</td>
</tr>
<tr>
<td>102</td>
<td>Electrical</td>
<td>19 SF</td>
<td>Business</td>
<td>300</td>
<td>1</td>
</tr>
<tr>
<td>103</td>
<td>Home Shower</td>
<td>91 SF</td>
<td>Business</td>
<td>100</td>
<td>1</td>
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<tr>
<td>104</td>
<td>Visitor Locker</td>
<td>213 SF</td>
<td>Business</td>
<td>50</td>
<td>5</td>
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<tr>
<td>105</td>
<td>Corridor</td>
<td>34 SF</td>
<td>Business</td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>Visitor Shower</td>
<td>91 SF</td>
<td>Business</td>
<td>100</td>
<td>1</td>
</tr>
<tr>
<td>107</td>
<td>Office</td>
<td>61 SF</td>
<td>Business</td>
<td>100</td>
<td>1</td>
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<tr>
<td>108</td>
<td>Shower</td>
<td>26 SF</td>
<td>Business</td>
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<td>1</td>
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<tr>
<td>109</td>
<td>Taping</td>
<td>50 SF</td>
<td>Business</td>
<td>100</td>
<td>1</td>
</tr>
<tr>
<td>110</td>
<td>Coaches &amp; Officials</td>
<td>98 SF</td>
<td>Business</td>
<td>100</td>
<td>1</td>
</tr>
<tr>
<td>111</td>
<td>Storage</td>
<td>45 SF</td>
<td>Business</td>
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<td>1</td>
</tr>
<tr>
<td>112</td>
<td>Coaches Tilt</td>
<td>45 SF</td>
<td>Business</td>
<td>100</td>
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<tr>
<td>113</td>
<td>Bathroom Vestibule</td>
<td>87 SF</td>
<td>Business</td>
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<tr>
<td>114</td>
<td>Mechanical</td>
<td>43 SF</td>
<td>Business</td>
<td>300</td>
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<tr>
<td>115</td>
<td>Men</td>
<td>92 SF</td>
<td>Business</td>
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<td>1</td>
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<tr>
<td>117</td>
<td>Janitor</td>
<td>31 SF</td>
<td>Business</td>
<td>300</td>
<td>1</td>
</tr>
<tr>
<td>119</td>
<td>Women</td>
<td>158 SF</td>
<td>Business</td>
<td>100</td>
<td>2</td>
</tr>
</tbody>
</table>
1. ADDITIONAL NON-POTABLE WATERLINE SERVICE TO BUILDING BY FUNCTIONING OF EXISTING LINES AND SERVICES DURING THIS PROJECT MANAGER AND DESIGNING ENGINEER.

EXISTING SIDEWALK, SEE SHEET A100.

BUILDING LOCATED SOUTH OF POWER LINES.

GENERAL UTILITY NOTES:

CONNECTION LOCATION, CONTRACTOR TO COORDINATE LOCATION OF THE FINISHED GRADE, DIRECTLY OVER INSTALLED PIPE.

3. STORM GRATES PROVIDED AT INTERFACE OF NEW SIDEWALK AND THE FINISHED GRADE, DIRECTLY OVER INSTALLED PIPE.

5. STORM DRAGS PROVIDED AT INTERFACE OF NEW SIDEWALK AND THE FINISHED GRADE, DIRECTLY OVER INSTALLED PIPE.

WATER UTILITY NOTES:

6" SS SERVICE TO TERMINATE AT TEMPORARY BATHROOMS CONNECT FROM BUILDING TO THE WATERLINE END AS INSTALLED. COORDINATE WITH PME PLANS AND SPECIFICATIONS.

6" PVC SANITARY SEWER INSTALLED ADJACENT TO AND OVER THE FULL LENGTH OF PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE BURIAL.

SEWER UTILITY NOTES:

SEWER CLEANOUT TOPS IN PAVEMENT AREAS SHALL BE BRASS AND FLUSH WITH THE PAVEMENT.

SEWER CLEANOUT TOPS IN GRASS AREAS OUTSIDE THE FIELD ARE TO BE 3" ABOVE THE GROUND LEVEL FOR VISIBILITY PURPOSES.

SEWER CLEANOUT TOPS IN FIELD AREA SHALL BE SET 1" BELOW THE SURFACE GRASS LEVEL FOR SAFETY PURPOSES.

GENERAL NOTES:

POLE BASE AND/OR GUY LINE ANCHORS EXIST. SPRINKLER HEAD PAD AREA EDGE. CONTRACTOR TO CALL 811 PRIOR TO DIGGING.

5. SEWER CLEANOUT TOPS IN PAVEMENT AREAS SHALL BE BRASS AND FLUSH WITH THE PAVEMENT.

C100

12/6/17

9/13/17

3/14/17

8/30/17

DATE

ASSOCIATED WORK NOTES:

1. CAUTION DURING INSTALLATION CONTRACTOR TO USE EXTREME OVERHEAD WORK AND EQUIPMENT.

2. ANY EXISTING DISTURBED HARDSCAPE OR LANDSCAPING DISTURBED DURING EXCAVATION (INCLUDING, BUT NOT LIMITED TO CONCRETE, CONCRETE PAVING, BRICK, AND GRASS) SHALL BE REVERSED TO THE ORIGINAL CONDITION WITH ALL ARCHITECTURAL ISSUES IDENTIFIED PRIOR TO INSTALLATION AND ACCEPTANCE BY OWNER PRIOR TO INSTALLATION.

3. FEMA DESIGNATED FLOOD ZONES ARE NOT LOCATED WITHIN THIS PROJECT AREA.

4. CONTRACTOR TO VERIFY FINAL LOCATION OF FENCING ON EAST SIDE OF FIELD AND SET WATER LINE TO RUN TO REMOVE CONFLICTS PRIOR TO CONSTRUCTION.

5. CONTRACTOR TO VERIFY FINAL LOCATION OF FENCING ON EAST SIDE OF FIELD AND SET SEWER LINE TO RUN TO REMOVE CONFLICTS PRIOR TO CONSTRUCTION.

WATER/SEWER LINES THROUGH THE TRANSMISSION LINE NOTES:

CONTRACTOR TO CALL 811 PRIOR TO DIGGING.

THAT MAY UNDERMINE TRANSMISSION POLES OR PROXIMATE STRUCTURES.

TO MAINTAIN A SAFE DISTANCE FROM THE TRANSMISSION LINE.

CONTRACTOR TO MAKE ALL EASEMENT AFTER INSTALLATION, BOTH WITH ABOVE GROUND LOCATION PAINTING.

AVOID WASHOUTS FROM EROSION CONTROL AND NEW UTILITIES DO NOT IMPEDE ACCESS TO EXISTING ELECTRICAL FACILITIES FOR MAINTENANCE, INSPECTIONS OR REPAIRS.

POSSIBLY INTERFERING WITH PAVING OR HARDSCAPING.

CONTRACTOR TO USE EXTREME OVERHEAD WORK AND EQUIPMENT.
1. ADDITIONAL NON-POTABLE WATERLINE SERVICE TO BUILDING BY OTHERS FROM NEARBY WELL. REFERENCE REPORTED TO THE PROJECT MANAGER AND DESIGNING ENGINEER.

2. NATURAL GAS MAY BE PROVIDED BY OTHERS FROM ADJACENT BUILDING LOCATED SOUTH OF POWER LINES. CONNECT FROM BUILDING TO THE WATERLINE END AS INSTALLED. COORDINATE WITH PME PLANS AND SPECIFICATIONS.

3. STORM GRATES PROVIDED AT INTERFACE OF NEW SIDEWALK AND EXISTING SIDEWALK, SEE SHEET A100.

4. STREAM BUFFERS AND WETLANDS ARE NOT LOCATED WITHIN THIS PROJECT AREA.

5. CONTRACTOR TO VERIFY FINAL LOCATION OF FENCING ON EAST SIDE OF FIELD AND SET WATER LINE TO RUN THROUGH BUILDING.

6. CONSTRUCTION CODES BY OTHERS FOR REFERENCE SHALL BE COORDINATED WITH EXISTING BUILDING PME CONDITIONS, AND IS NOT SHOWN ON THIS PLAN.

7. SITE UTILITY CONTRACTOR TO PROVIDE WATER LINE CONNECTION TO 5' FROM BUILDING. PLUMBING CONTRACTOR TO BE COORDINATED WITH EXISTING BUILDING PME CONDITIONS, AND IS NOT SHOWN ON THIS PLAN.

SEWER UTILITY NOTES:

1. SEWER SERVICE SHALL BE PROVIDED WITH CLEANOUTS EVERY 100' O.C. AS A MINIMUM SPACING.

2. SEWER CLEANOUT TOPS IN PAVEMENT AREAS SHALL BE BRASS AND FLUSH WITH THE PAVEMENT.

3. SITE UTILITY CONTRACTOR TO PROVIDE SEWER LINE AND CLEANOUT TO 5' FROM BUILDING. PLUMBING CONTRACTOR TO BE COORDINATED WITH EXISTING BUILDING PME CONDITIONS, AND IS NOT SHOWN ON THIS PLAN.

4. CONTRACTOR TO VERIFY FINAL LOCATION OF FENCING ON EAST SIDE OF FIELD AND SET WATER LINE TO RUN THROUGH BUILDING.

5. SEWER CLEANOUT TOPS IN GRASS AREAS OUTSIDE THE FIELD ARE TO BE 3" ABOVE THE GROUND LEVEL FOR VISIBILITY.

6. SEWER LINE SHALL NOT BE INSIDE THE BLACK-FENCED PLAYING FIELD AREA.

7. CONTRACTOR TO PROVIDE WATER AND SEWER SERVICE LINES TO REMOVE CONFLICTS PRIOR TO CONSTRUCTION.

GENERAL UTILITY NOTES:

1. SITE UTILITY CONTRACTOR TO PROVIDE WATER LINE CONNECTION TO 5' FROM BUILDING. PLUMBING CONTRACTOR TO BE COORDINATED WITH EXISTING BUILDING PME CONDITIONS, AND IS NOT SHOWN ON THIS PLAN.


3. THIS PLAN PICKS UP THE NEW 2" POTABLE WATER ON THE NORTHWEST SIDE OF THE MOTOR POOL BUILDING AT A 2" GATE VALVE INSTALLED BY BUILDING PLUMBER AND ROUTES TO THE FIELD AS SHOWN ON THESE PLANS.

4. PAVEMENT, WHERE OUTSIDE ROUTING OF NEW UTILITIES IS REQUIRED, SHALL BE ROUTED INSIDE THE BUILDING TO 5' OUTSIDE THE NORTHWEST BUILDING WALL IN THE PAVEMENT.

5. THIS PLAN PICKS UP THE NEW 2" POTABLE WATER ON THE NORTHWEST SIDE OF THE MOTOR POOL BUILDING AT A 2" GATE VALVE INSTALLED BY BUILDING PLUMBER AND ROUTES TO THE FIELD AS SHOWN ON THESE PLANS.
1. **Inspections or Repairs.**

Installation/Maintenance/Repair of utility lines to maintain a safe profile. Contact the Project Manager (818-773-2261) prior to project commencement to discuss compaction levels and avoid washouts from erosion control practices.

2. **Do not disturb the ground in any locations that may undermine contractor stability.**

Contractor shall not change the grade under the transmission line. Contractor shall ensure that construction and new utilities do not undermine contractor stability.

3. **Contractor to call 811 prior to digging.**

Contractor to call Steve Woodring, Watauga District Operations Manager, prior to digging. Contractor is to clear all topsoil from construction areas to reveal location of utilities and to avoid excessive pipeline elevations.

4. **Contractor to use extreme caution during installation and reinstallation of power lines, especially with any adjacent/under transmission or power lines.**

Contractor to use extreme caution during installation and reinstallation of power lines, especially with any adjacent/under transmission or power lines. Contractor is to coordinate and verify location of existing utility lines and services before digging.

5. **Contractor to call Steve Woodring, Watauga District Operations Manager, prior to digging.**

Contractor to call Steve Woodring, Watauga District Operations Manager, prior to digging. Contractor is to clear all topsoil from construction areas to reveal location of utilities and to avoid excessive pipeline elevations.

6. **Contractor to clearly mark the water/sewer lines through the proposed yard hydrant area.**

Contractor to clearly mark the water/sewer lines through the proposed yard hydrant area. Existing utility lines shall be staked out and marked with 2" x 1" tees for 1" valve and yard hydrant. Area edge. Contractor to mark existing utilities, including existing utility lines. Existing conduit shall be staked out and marked with 2" X 1" tees for 1" valve and yard hydrant.

7. **Contractor to provide sewer line and cleanout to 5' from building.**

Plumbing contractor to provide sewer line and cleanout to 5' from building. For plastic sewer piping, an insulated copper tracer wire or other approved conductor shall be provided along the tracer wire size shall not be less than 14 AWG and the insulation type shall be Listed for direct burial. The tracer wire shall terminate at the cleanout between the building drain and the building sewer. The tracer wire size shall not be less than 14 AWG and the insulation type shall be Listed for direct burial.

8. **For plastic sewer piping, an insulated copper tracer wire or other approved conductor shall be provided along the tracer wire size shall not be less than 14 AWG and the insulation type shall be Listed for direct burial.**

For plastic sewer piping, an insulated copper tracer wire or other approved conductor shall be provided along the tracer wire size shall not be less than 14 AWG and the insulation type shall be Listed for direct burial. The tracer wire shall terminate at the cleanout between the building drain and the building sewer. The tracer wire size shall not be less than 14 AWG and the insulation type shall be Listed for direct burial.

9. **General Utility Notes:**

1. Vertical monuments indicating service to buildings by others from nearby well, reference report to the project manager and designing engineer.
2. All materials and construction shall be in strict accordance with the Town of Boone, NC and their respective utility management standards and specifications.
3. Stream filling or clearing shall not be done without the approval of the project engineer.
4. Stream filling or clearing shall not be done without the approval of the project engineer. Associated work notes:

   - Any clearing and grubbing for the utility work shall remain within 5' of the side of the sewer line to be installed.
   - All materials and construction shall be in strict accordance with the Town of Boone, NC and their respective utility management standards and specifications.
   - Stream filling or clearing shall not be done without the approval of the project engineer.
   - Any clearing and grubbing for the utility work shall remain within 5' of the side of the sewer line to be installed.

10. **General Notes:**

   - All materials and construction shall be in strict accordance with the Town of Boone, NC and their respective utility management standards and specifications.
   - Stream filling or clearing shall not be done without the approval of the project engineer.
   - Any clearing and grubbing for the utility work shall remain within 5' of the side of the sewer line to be installed.
   - All materials and construction shall be in strict accordance with the Town of Boone, NC and their respective utility management standards and specifications.
IS SHOWN ON THESE PLANS.

PAVEMENT, WHERE OUTSIDE ROUTING EXISTING 1.5" WL. EXIT NEW 2" WL ON EX. 1.5" WATERLINE

NEW 2" WATERLINE TO BE ROUTED TAP EXISTING 1.5" WATERLINE.

*CONSTRUCTION COORD BY OTHERS*

ROOM 108 PLANS/SPECIFICATIONS THROUGH BUILDING

2" WATERLINE PER THESE PLANS.

CONTRACTOR WILL PICK UP THE NEW WATERLINE WILL TERMINATE AT A 2" GATE VALVE.

THE BUILDING IN THE PAVEMENT

OPEN CUT PAVEMENT

WASHOUTS FROM EROSION CONTROL PRACTICES.

ELECTRICAL FACILITIES FOR MAINTENANCE, INSPECTIONS OR REPAIRS.

1. WATER SERVICE TO BE STARTED AT EXISTING 1.5" SERVICE TO ROOM 108 AT MOTOR POOL BUILDING. WATERLINE PROJECT COMMENCEMENT TO DISCUSS CONSTRUCTION.

GENERAL UTILITY NOTES:

4. CONTRACTOR TO VERIFY AND MARK ALL EXISTING UNDERGROUND UTILITIES IN CONSTRUCTION AREA TO ENSURE INSTALLED MIN. 10' AWAY WATERLINE TO BE POWER LINES, ESPECIALLY WITH ANY ADJACENT/UNDER TRANSMISSION OR

CAUTION DURING INSTALLATION

GUY LINE ANCHORS

POLE BASE AND/OR MIN. 20' AWAY FROM POWER LINES, ESPECIALLY WITH ANY ADJACENT/UNDER TRANSMISSION OR

ELECTRICAL FACILITIES FOR MAINTENANCE, INSPECTIONS OR REPAIRS.

4. PAVEMENT MARKINGS TO BE PROVIDED AROUND NEW BUILDING PER ARCHITECTURAL SITE PLAN, AS NECESSARY.

ADDITIONAL TOPOGRAPHIC AND BUILDING INFORMATION FOR MOTOR POOL AREA TAKEN FROM BOONE, NC GIS.


CONTRACTOR SHALL NOT CHANGE THE GRADE UNDER THE TRANSMISSION LINE.

CONTRACTOR SHALL COMPACT THE DISTURBED GROUND BACK TO ORIGINAL COMPACTION LEVELS AND AVOID

CONTRACTOR TO CALL 811 PRIOR TO DIGGING

CONTRACTOR IS TO CLEARLY MARK THE WATER/SEWER LINES THROUGH THE TRANSMISSION LINE EASEMENT AFTER

LOCATION AND VERIFY ACCEPTANCE BY OWNER PRIOR TO INSTALLATION

LOCATION AND VERIFY ACCEPTANCE

PROPOSED YARD HYDRANT

EXISTING UTILITIES, STAKE

YARD HYDRANT BEHIND BENCH PAD

2" X 1" TEE FOR 1" VALVE AND

6" PVC SANITARY SEWER OUTERMOST EXISTING FENCE LINE

WATERLINE APPROX. 2' OUTSIDE EXIST. U/G CONDUITS WATER & ELEC LINES TRENCH UNDER EXIST.

EXIST. U/G IRR PIPE

EXIST. SPRINKLER HEAD

EXIST. U/G IRRIGATION & ELEC LINES

EXIST. 20K GAL CISTERN

EXIST. PUMP STATION

EXIST. U/G CONDUITS

POWER LINES, ESPECIALLY WITH ANY ADJACENT/UNDER TRANSMISSION OR

1. CLEARING AND GRUBBING FOR THE UTILITY WORK SHALL REMAIN WITHIN 10' EITHER SIDE OF THE SEWER LINE TO

ASSOCIATED WORK NOTES

APPROX. 2' OUTSIDE

EXIST. FENCE LINE

A SEWER BOX WITH CLEANOUT

TRENCH UNDER EXIST.

FIELD Hockey Fieldhouse

APPALACHIAN STATE UNIVERSITY

633 Intramural Field Rd.; Boone, NC 28608

ASU Project # 20170120

12/6/17

5/01/17

4/06/17

DATE

RB

AF

SCO ID #

COPYRIGHT B&F Consulting, Inc. 2017
GENERAL NOTES
1. THE CONTRACT DOCUMENTS ARE CONFIDENTIAL AND OF THE CONTENT. ANY DISCLOSURE OF THESE DOCUMENTS TO THE GENERAL CONTRACTOR MUST REQUIRE AN INTERPRETATION FROM THE ARCHITECT PRIOR TO PROCEEDING WITH THE PORTION OF THE WORK IN QUESTION.
2. DISCREPANCIES BETWEEN FIELD CONDITIONS & THE DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT.
3. COMPLIANCE WITH CODES, RULES, & REGULATIONS GOVERNING SAID WORK.
4. PROVIDE RADIUS CORNER CMU AT ALL CORNERS IN TRAFFIC AREAS UNLESS OTHERWISE NOTED.
5. PLACE CONTROL JOINTS ON GYPSUM BOARD NOT MORE THAN 30 FEET APART ON WALLS & CEILINGS OVER 50 FEET LONG, & AT JAMBS OF DOORS, WINDOWS, OPENINGS, AND STORAGE UNLESS OTHERWISE NOTED.
6. EXPOSED WATER SUPPLY & DRAIN PIPES UNDER ACCESSIBLE LAVATORIES & SINKS SHALL BE THERMALLY INSULATED.
7. VERIFY CASEWORK DIMENSIONS AND CONDITIONS IN THE FIELD & COORDINATE WITH EQUIPMENT PRIOR TO FABRICATION & INSTALLATION.
8. GENERAL CONTRACTOR SHALL CHECK & VERIFY ALL DIMENSIONS & JOB CONDITIONS BEFORE COMMENCEMENT OF WORK & BE RESPONSIBLE FOR THE ACCURACY.
9. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS & THE DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT.
10. GENERAL CONTRACTOR SHALL CHECK & VERIFY ALL DIMENSIONS & JOB CONDITIONS BEFORE COMMENCEMENT OF WORK & BE RESPONSIBLE FOR THE ACCURACY.
11. GENERAL CONTRACTOR SHALL PROVIDE & INSTALL ACCOUTING & PAYMENTS FOR ALL BUILDING ITEMS & MATERIALS.
PARTITION TYPES

1. ANY PENETRATIONS THROUGH PARTITIONS WITH ACOUSTICAL BATT INSULATION SHALL BE SEALED WITH ACOUSTICAL SEALANT.
2. ANY PENETRATIONS THROUGH FIRE RATED PARTITIONS OR WALLS SHALL BE SEALED WITH FIRE SEALANT & STOP CONFORMING TO UL REQUIREMENTS.
3. STAMP FIRE RATED PARTITIONS OR WALLS ABOVE CEILING WITH HOUR RATING ON BOTH SIDES.
4. PARTITION SHALL BE BRACED AS NECESSARY ABOVE CEILING. PENETRATION THRU GYP BD BY BRACING SHALL BE SEALED TIGHT W/ APPROPRIATE SEALANT.

NOTES:
1. ANY PENETRATIONS THROUGH PARTITIONS WITH ACOUSTICAL BATT INSULATION SHALL BE SEALED WITH ACOUSTICAL SEALANT.
2. ANY PENETRATIONS THROUGH FIRE RATED PARTITIONS OR WALLS SHALL BE SEALED WITH FIRE SEALANT & STOP CONFORMING TO UL REQUIREMENTS.
3. STAMP FIRE RATED PARTITIONS OR WALLS ABOVE CEILING WITH HOUR RATING ON BOTH SIDES.
4. PARTITION SHALL BE BRACED AS NECESSARY ABOVE CEILING. PENETRATION THRU GYP BD BY BRACING SHALL BE SEALED TIGHT W/ APPROPRIATE SEALANT.
1ST FLR

EXHAUST FAN WALL CAP; SEE M100

STANDING SEAM METAL ROOF

SEE PLUMBING FOR WALL HYDRANT

SEE ELECTRICAL FOR WALL LIGHTS

KNOX BOX

24x16 LOUVER; SEE M100

ALIGN LOUVERS WITH BRICK JOINTS

STANDING SEAM METAL ROOF

SEE ELECTRICAL FOR WALL LIGHTS

SEE PLUMBING FOR WALL HYDRANT

24X16 LOUVER; SEE M100

SEE ELECTRICAL FOR WALL LIGHTS

C.I. DRAIN BOOT

SEE ELECTRICAL FOR WALL LIGHTS

24X16 LOUVER; SEE M100

EXTERIOR BUILDING ELEVATIONS

1/4" = 1'-0"  2 North Elevation

1/4" = 1'-0"  1 South Elevation

1/4" = 1'-0"  3 East Elevation

1/4" = 1'-0"  4 West Elevation

FOR REVIEW ONLY

SCO ID # 17-18065-01
ASU Project # 20170120

FOR REVIEW ONLY

11/13/2017

SCO Response Set 1/12/18

New Plan 12/8/17
100% Submittal

SCO Set 1/12/18

LG

A201

1/4" = 1'-0"
0' - 0"
HEAVY DUTY WALL STANDARDS

18" D ADJUSTABLE WALL SHELVES

12" D ADJUSTABLE WALL SHELVES

STICK BIN

A403

HEAVY DUTY WALL STANDARDS

18" D ADJUSTABLE WALL SHELVES

12" D ADJUSTABLE WALL SHELVES

STICK BIN

OUTLETS FOR FUTURE W/D; COORD W/ E.C.

SHEATS WALL IN STORAGE 111 WITH 5/8" A/C PLYWOOD

5/8" A/C PLYWOOD
1. SEE A111 FOR ROOF PENETRATION, SNOW GUARD, AND FALL PROTECTION ANCHOR LOCATIONS.

NOTES:

1. SEE A111 FOR ROOF PENETRATION, SNOW GUARD, AND FALL PROTECTION ANCHOR LOCATIONS.
SIGNAGE NOTES

1. ALL SIGNAGE SHALL BE PROVIDED BY AND INSTALLED BY OWNER.
2. REFER TO DOOR SCHEDULE FOR ROOM NUMBER, ROOM NAME, & SIGNAGE LOCATION.
4. SIGNAGE SHALL BE INSTALLED @ 48" AFF MEASURED TO THE BOTTOM OF SIGNAGE, UNLESS OTHERWISE NOTED.
5. SIGNAGE SHALL BE INSTALLED @ THE LATCH SIDE OF A SINGLE DOOR OR AT THE DOOR FACE ON A DOUBLE DOOR. UNLESS OTHERWISE NOTED, 18X18" CLEARANCE SHALL BE LOCATED IN FRONT OF SIGNAGE.
6. WHERE THE BG IS NO WALL, SIGNAGE ON THE LATCH SIDE OF A SINGLE DOOR, SIGNAGE SHALL BE ON THE NEAREST ADJACENT WALL.

SIGNAGE SCHEDULE

AS SCHEDULED
AS SCHEDULED
AS SCHEDULED
AS SCHEDULED
AS SCHEDULED
AS SCHEDULED

FRAME MATERIAL

DOOR FRAME SCHEDULE

DOOR FRAME SCHEDULE LINES

DOOR ELEVATION

DOOR NOTES

1. DOOR FRAMES SHALL BE FILLED WITH LOW-PRESSURE POLYURETHANE SPRAY FOAM SEALANT.
2. THE CHILLED DOOR FRAMES SHALL BE FILLED WITH MARING, THERMAL INSULATION.
3. BRIDGE AND JAMB FRAMES SHALL BE INSTALLED BY OWNER'S VENDOR. GC TO PROVIDE CONDUITS FOR WARNING, COORDINATE WITH OWNER.
4. DOOR TYPE "B" SHALL BE PROVIDED W/HORIZONTAL BLINDS, UNLESS OTHERWISE NOTED.
DOOR DETAILS

Field Hockey Fieldhouse
Appalachian State University
633 W. Market St., Boone, NC 28608

Sealant

Spray Foam Insul.

ICE & WATER SHIELD

THERMAL BREAK

HM FRAME

See Structural for Header

Turn Through Wall Flashing Up Min. 6" on each side

Brick Soldier

See Structural for Brick Lintel

Mortar Net

1" Rigid Insul.

Weather Shield; Lap Min. 4" over Flashing

See Structural for Sheathing

See Structural for Typical Notes

100% Construction Documents

PREFINISHED METAL CLOSURE AND SEALANT

SPRAY FOAM INSUL.

1" FOAM INSUL.

ICE & WATER SHIELD

THERMAL BREAK

HM FRAME

See Structural for Header

1/4" Slope Slab

PEMKO 1716 or EQ.; Set in Sealant

PEMKO 2550 or EQ.

Metal Door

Carpet Tiles

H1

H2

H3

J1

J2

J3

J4

S1

S2

9 1/2"

7 1/4"

2" 5/8" GWB

2X4 STUD FRAMING

HM FRAME

SEALANT

STAGGERED 2X4 STUDS WITH ACOUSTIC BATTS

5/8" GWB

2X8 AT JAMB

HM FRAME

SEALANT

1"

2"

9 1/2"

5/8" GWB

2X6 HEADER EACH SIDE

5/8" GWB

2X4 STUD FRAMING

HM FRAME

SEALANT

1"

2"

9 1/2"
**Window Schedule and Details**

**Field Hockey Fieldhouse**
Appalachian State University
633 Intramural Field Rd.; Boone, NC 28608

**Window Notes**

1. **Windows shall be aluminum window units, UON.**
2. **Windows shown in this plan are engineering estimates only. Final selection will be determined by the Architect.**
3. **Select from engineering estimates.**
4. **All operable windows shall have insect screens.**
5. **See floor plans for interior window locations, UON.**
6. **Paper, Shrink Wrap, and Corner Bead.**
7. **See Section A621 for typical notes.**

**Details**

- Exterior storefront jamb
- Exterior storefront head
- Exterior storefront sill
- Interior storefront jamb
- Interior storefront head
- Interior storefront sill

**Seals**

- J Bead
- Wrap jambs with ice and water shield
- King and Jack studs
- 2x4 studs filled with spray foam

**Walls**

- 1" Insulated Clear
- 1" Insulated Low-E
- 1/4" Single Clear

**Glazing Schedule**

- IES
- IS
- ISS
- IFT
- SW
- IW

**Sealant**

- Sealant
- J Bead
- Wrap jambs with ice and water shield
- King and Jack studs
- 2x4 studs filled with spray foam

**Structural**

- See structural for wall sheathing and weather barrier

**Insulation**

- 1" Rigid Insulation Cavity Mortar Protection
- Brick Veneer
- Foam Flashing Pan
- Weather Protection

**Brick Soldier Course**

- Wrap head with ice and water shield

**Masonry**

- CMU Sill Block
- 2x4 studs filled with spray foam

**Exterior**

- Wrap jamb with ice and water shield
- K Bead

**Interior**

- Wrap jamb with ice and water shield
- K Bead

**Brick Linetl**

- See structural for brick linetl

**Form Flashing Pan**

- Wrap jamb with ice and water shield
- K Bead

**Rigid Insulation**

- 1" Rigid Insulation

**Additional**

- Prefinished through wall flashing
- (2) 2x4 sill
- 5/8" GWB

**Contact Information**

- 850 W. Morgan Street
  Raleigh, North Carolina  27603
  919-832-6303
  919-832-3339 (fax)
**Concrete Construction**

- Black Planer Plan is a 1:200, dimensioned base. The dimensions shall be maintained in conformance with the 1:200 black plan. The dimensions shall be maintained in conformance with the 1:200 black plan. 1.000 ft. square and 6.000 ft. square 1.000 ft. square and 6.000 ft. square

- BLACK PLANER PLAN IS A 1:200, DIMENSIONED BASE. THE DIMENSIONS SHALL BE MAINTAINED IN CONFORMANCE WITH THE 1:200 BLACK PLAN. THE DIMENSIONS SHALL BE MAINTAINED IN CONFORMANCE WITH THE 1:200 BLACK PLAN.

- **Steel Bridging**

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<th>Yield Strength (ksi)</th>
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<td>36</td>
</tr>
<tr>
<td>A572</td>
<td>50</td>
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**Notes**

- Concrete may be precast or cast-in-place, as specified.
- Concrete thicknesses shall be maintained in conformance with the 1:200 black plan.
- Concrete design shall be maintained in conformance with the 1:200 black plan.

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**Structural Notes**

- Structural engineering services provided by L & A Associates, 120 St. Mary’s Street, Raleigh, NC 27605.
- 919.833.0495
- LysaghtAssociates.com
- Firm No. C-0682

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**Construction Notes**

- Construction documents provided by Innovative Design, 850 W. Morgan Street, Raleigh, NC 27603.
- 919.832.6303
- 919.832.3339

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**Seals**

- Lysaght Associates, Structural Engineers

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Field Hockey Fieldhouse
Appalachian State University
ASU Project # 20170120

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1/15/2018

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<th>Room Number</th>
<th>Room Name</th>
<th>Occupancy Category</th>
<th>Rp</th>
<th>Ra</th>
<th>Critical Zone</th>
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</thead>
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<td>OB - Office space</td>
<td>5</td>
<td>0.06</td>
<td>Yes</td>
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<tr>
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<td>Shower</td>
<td>GEN - Bathrooms</td>
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<td>0</td>
<td>Yes</td>
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<tr>
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<td>Taping</td>
<td>OB - Office space</td>
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<td>0.06</td>
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<td>Coaches &amp; Officials</td>
<td>OB - Office space</td>
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<td>0.06</td>
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**Critical Zone Calculations**

- **Ps**: 1.0
- **D**: 1.00
- **D∑Rp*Pz**: 61
- **∑Ra*Az**: 1.5
- **Rp*Pz**: 3.66
- **Ra*Az**: 5.19
- **Vbz**: 0.8
- **Ez**: 6
- **Voz**: 50
- **Vdz**: 0.13
- **Zdz**: Critical

---

*SHEET NUMBER:*

*SHEET NAME:*

*PROJECT NUMBER:*

*DRAWN BY:*

*CHECKED BY:*

*SUBMISSION DATE:*

*SCO ID #:

*ASU Project #:* 20170120

*SCO Set:*

*SCO Response Set:*

*Construction Documents:*

*DeVita & Associates, Inc.*

*NC Firm License #:* C-0819

*Field Hockey Fieldhouse:*

*Appalachian State University*

*633 Intramural Field Rd.; Boone, NC 28608*
Field Hockey Fieldhouse
Appalachian State University
633 Intramural Field Rd.; Boone, NC 28608