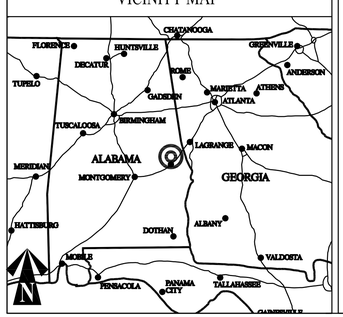
GOODWIN HALL-RENOVATION
AND
BAND REHEARSAL HALL ADDITION

AU Project Number : 15-255
ABC Job Number: 2017-123
Date : 6/14/2017

AUBURN
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CONSTRUCTION DOCUMENTS

VICINITY MAP



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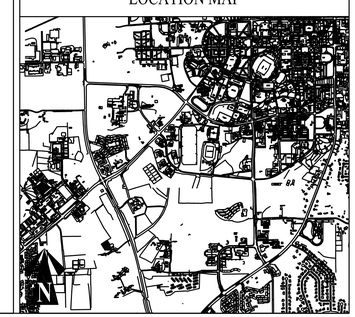
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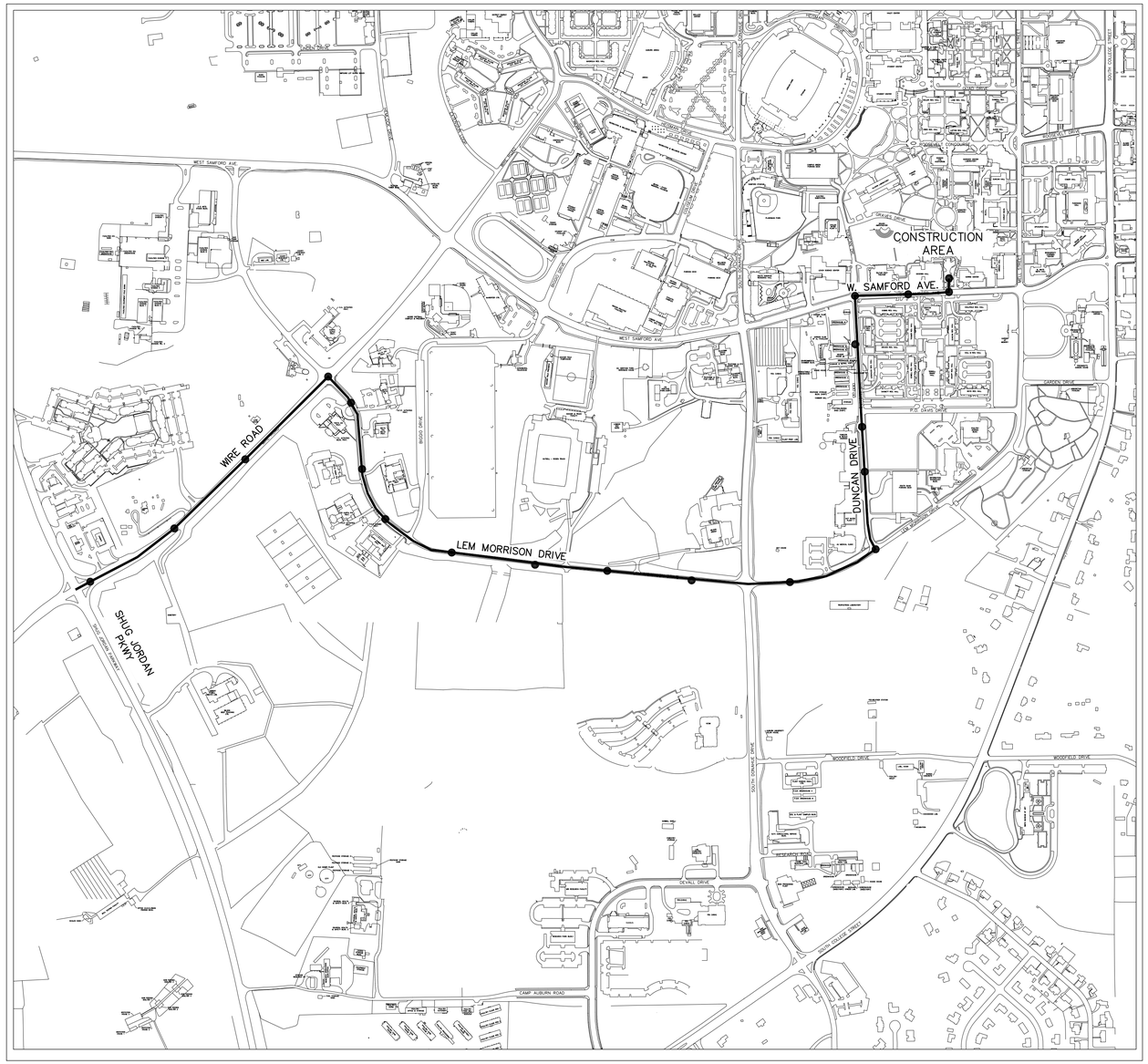
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4239
REGISTERED ARCHITECTS

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
COVER SHEET

DRAWN BY:
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CHECKED BY:
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6–14–2017
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PROJECT NUMBER:
16–111
SHEET NUMBER:
CS1.1



CONSTRUCTION MATERIALS HAULING ROUTE

LEGEND

CONSTRUCTION ROUTE

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STATE OF ALABAMA
REGISTERED ARCHITECTS
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RAY E. WILLIAMS 4239

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
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FILE NUMBER:
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PROJECT NUMBER:
16–111

SHEET NUMBER:
T1.1

GENERAL NOTES:

1. LBYD, INC. SHALL NOT HAVE AUTHORITY OVER THE SITE OR BUILDING CONTRACTOR'S WORK OR RESPONSIBILITIES. LBYD IS NOT RESPONSIBLE FOR SITE SAFETY PROCEDURES OR METHODS OF CONSTRUCTION.
2. ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND OTHER UTILITIES MAY EXIST. CONTRACTOR MUST HAVE EXISTING UTILITIES LOCATED BY UNDERGROUND LINE LOCATORS AS WELL AS FIELD VERIFIED BY ONSITE PERSONNEL PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO LBYD.
3. EXISTING UTILITIES TO REMAIN MAY BE LOCATED WITHIN PROPOSED DEMOLITION AREAS. CONTRACTOR SHALL USE EXTREME CAUTION WHILE WORKING IN THESE AREAS TO INSURE NO UTILITY SERVICE INTERRUPTIONS TO FACILITIES THAT REMAIN OR TO ADJACENT PROPERTIES.
4. ALL EXISTING IMPROVEMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS SPECIFICALLY NOTED, "TO BE REMOVED".
5. CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO ANY DEMOLITION REGARDING ITEMS TO BE SALVAGED, RECYCLED, AND REUSED. CONTRACTOR SHALL REMOVE ITEMS TO BE SALVAGED WITH EXTREME CAUTION TO PREVENT DAMAGE. CONTRACTOR SHALL TURN ALL SALVAGED ITEMS OVER TO OWNER.
6. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT ADJACENT PROPERTIES AND IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING IMPROVEMENTS ON OR OFF SITE DUE TO THE CONSTRUCTION OF THIS PROJECT. ANY DAMAGE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

SITE DEMOLITION NOTES:

1. CONTRACTOR SHALL COORDINATE WITH AUBURN UNIVERSITY, THE ARCHITECT, AND UTILITY PROVIDER PRIOR TO THE DISCONNECTING OR REMOVAL OF ANY UTILITY SERVICE TO THE EXISTING BUILDINGS. ALL UTILITIES TO BE REMOVED ARE TO BE CAPPED OR PLUGGED OR TERMINATED ACCORDING TO AUBURN UNIVERSITY REQUIREMENTS.
2. REFER TO SITE GRADING AND UTILITY PLANS FOR PROPOSED UTILITY AND DRAINAGE INSTALLATION AND REMOVAL.
3. REFER TO SITE LAYOUT AND LANDSCAPE PLANS FOR ADDITIONAL INFORMATION RELATING TO PAVING, CURB, SIDEWALKS, HARDSCAPES, ETC. REMOVE EXISTING CURBS AND HARDSCAPE AS NEEDED TO INSTALL PROPOSED IMPROVEMENTS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, RELOCATION OR PROTECTION OF ALL ABOVE AND BELOW GROUND EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS UNLESS NOTED OTHERWISE.
5. ALL DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE TRANSPORTED AND DISPOSED OF AT LEAST WEEKLY IN A LEGAL AND APPROVED MANNER.
6. ALL EXISTING PAVING, CURBS, HARDSCAPE, ETC. SHALL BE SAW CUT AT THE LIMITS OF REMOVAL IN ORDER TO PROVIDE A CLEAN EDGE. EXISTING PAVING AT EDGE SHALL BE MILLED BACK A MINIMUM OF 12" TO ENSURE SMOOTH TRANSITION.
7. CONTRACTOR TO CONFORM AND IMPLEMENT NFPA 241: STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS.

LAYOUT NOTES:

1. CONTRACTOR SHALL VERIFY SITE BOUNDARY AND EXISTING TOPOGRAPHY. NOTIFY LBYD OF ANY DISCREPANCIES PRIOR TO SUBMITTING PRICES OR ORDERING MATERIALS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL BENCHMARKS AND PROPERTY CORNERS. ANY REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO CONSTRUCT THIS PROJECT AND PAY ALL PERMIT FEES. ALL PERMITS MUST BE IN-HAND PRIOR TO CONSTRUCTION.
4. ALL HANDICAP RAMPS, SIGNS, SYMBOLS, AND PAINTED ISLANDS AND ACCESS ROUTES MUST CONFORM TO THE LATEST ADA REQUIREMENTS.
5. THE MAXIMUM SLOPE IN HANDICAP PARKING AREAS SHALL NOT EXCEED 2.0% GRADE IN ANY DIRECTION. SLOPE IN THE DIRECTION OF TRAVEL IN ALL HANDICAP ACCESS ROUTES SHALL NOT EXCEED 5.0% GRADE AND 2.0% CROSS SLOPE.
6. ALL DIMENSIONS AND COORDINATES SHOWN ARE TO THE BACK OF CURB, OR TO THE EDGE OF SURFACING UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL PLANS FOR SPECIFIC BUILDING INFORMATION.
7. ALL STRIPING TO BE PER THE LATEST EDITION OF THE MUTCD UNLESS NOTED OTHERWISE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SITE CONSTRUCTION TRAFFIC CONTROL PLAN AND OBTAINING ANY REQUIRED APPROVALS FROM AUBURN UNIVERSITY. THE SITE CONSTRUCTION TRAFFIC CONTROL PLAN SHALL TAKE INTO ACCOUNT THE ENTERING AND EXITING OF CONSTRUCTION TRAFFIC ONTO THE ROADWAY AND THE IMPACT TO THE FLOW OF TRAFFIC. THIS PLAN SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD.
9. BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY THE OWNER AND PERFORMED BY BASELINE SURVEYING & DESIGN, LLC. DATE 12-02-2016.
10. TOPOGRAPHIC INFORMATION WAS PERFORMED VIA GROUND RUN FORMAT.
11. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ELEVATIONS OF ALL AT-GRADE STRUCTURES AND UTILITIES TO REMAIN (VALVE BOXES, MANHOLES, INLETS, VAULTS, ETC.) TO MATCH PROPOSED FINISHED GRADES.

STORM DRAINAGE NOTES:

1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL STORM PIPE AND STRUCTURES TO LBYD PRIOR TO INSTALLATION AND/OR FABRICATION.
2. ALL PROPOSED STORM INLETS (GRATES, CURB, YARD, AREA DRAINS) ARE TO BE LOCATED AT THE LOWPOINTS. GRADING SHALL BE TO DIRECT RUNOFF TO THESE INLETS. NOTIFY LBYD OF ANY DISCREPANCIES.
3. STORM DRAINAGE SYSTEMS SHALL BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM. VERIFY ALL PIPE SLOPES, INVERTS, AND POINTS OF CONNECTION PRIOR TO CONSTRUCTION. NOTIFY LBYD OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED STORM PIPE GRADES AND POINTS OF CONNECTION PRIOR TO INSTALLATION. LBYD SHALL BE NOTIFIED OF ANY DEVIATIONS PRIOR TO CONSTRUCTION.
5. PROPOSED STORM PIPES 30" AND LESS SHALL BE BEDDED IN 4" OF CRUSHED AGGREGATE AND STORM PIPES 36" AND GREATER SHALL BE BEDDED IN A 6" OF CRUSHED AGGREGATE.
6. CONTRACTOR SHALL SIZE ALL INLET AND MANHOLE BASE SECTIONS TO ACCOMMODATE INTERSECTING PIPES AND ASSOCIATED ANGLES.
7. MANHOLES SHALL BE PRECAST REINFORCED CONCRETE ONLY. NO BLOCK OR BRICK MASONRY. PRECAST REINFORCED CONCRETE MANHOLES SHALL MEET THE REQUIREMENTS OF ASTM C-478. CEMENT SHALL BE TYPE II WITH C3A CONTENT OF 6.5% OR LESS. MANHOLE CONNECTIONS SHALL BE ACCOMPLISHED THROUGH THE USE OF FLEXIBLE CONNECTORS OR USING MORTAR COMPRISED OF 1 PART PORTLAND TYPE II CEMENT AND 2 PARTS SAND BY VOLUME.
8. MANHOLE BASE, ECCENTRIC CONE AND RISER SECTION SHALL BE EQUIPPED WITH NONPENETRATING LIFTING INSERTS, PRESS-SEAL GASKET CORPORATION OR APPROVED EQUAL.
9. MANHOLE CONE SECTION SHALL BE SUITABLE FOR MOUNTING CAST IRON MANHOLE FRAMES AND COVERS AS DESCRIBED BELOW.
10. JOINTS BETWEEN MANHOLE SECTIONS SHALL BE OFFSET TONGUE AND GROOVE TYPE AND SHALL UTILIZE A PRE-LUBRICATED MANHOLE GASKET WHICH MEETS THE FOLLOWING REQUIREMENTS:
    - GASKET SHALL CONSIST OF A COMPRESSION SECTION AND A SERRATED MANTEL SECTION WHICH SLIDES OVER THE COMPRESSION SECTION AS THE MANHOLE SECTIONS ARE PLACED TOGETHER.
    - GASKET SHALL MEET THE REQUIREMENTS OF ASTM C 443, TYLOX SUPER-SEAL AS MANUFACTURED BY HAMILTON KENT OR APPROVED EQUAL.
11. MANHOLE FRAMES AND COVERS SHALL BE CAST FROM GRAY IRON MEETING THE REQUIREMENTS OF ASTM A48, CLASS 30 OR GREATER CONFORMING TO THE FOLLOWING:
    - MINIMUM CLEAR SPACE OPENING FOR FRAMES AND COVERS IS 21 7/8".
    - NON-DRAINAGE FRAMES AND COVERS INSTALLED IN LANDSCAPED AREAS SHALL WEIGH NOT LESS THAN 290 LBS. NON-DRAINAGE FRAMES AND COVERS INSTALLED IN HARDSCAPE AREAS AND SUBJECT TO TRAFFIC SHALL BE H 20 RATED AND SHALL WEIGH NOT LESS THAN 375 LBS. NON-DRAINAGE FRAMES AND COVERS INSTALLED IN TYPE-S INLETS SHALL BE NEENAH FOUNDRY R-6144 OR APPROVED EQUAL. DRAINAGE FRAMES AND COVERS INSTALLED IN LANDSCAPED AREAS SHALL BE NEENAH FOUNDRY R-2560-EA OR APPROVED EQUAL. IN THE EVENT A ROUND COVER IS NOT PRACTICAL USE FRAME AND COVER OF NEENAH FOUNDRY R-4346 OR APPROVED EQUAL. DRAINAGE FRAMES AND COVERS INSTALLED IN HARDSCAPE AREAS AND SUBJECT TRAFFIC SHALL BE H 20 RATED AND SHALL BE NEENAH FOUNDRY R-3561 OR APPROVED EQUAL. FRAMES AND COVERS INSTALLED IN PEDESTRIAN AREAS SHALL BE RATED FOR PEDESTRIAN SERVICE.
    - COVERS SHALL BE LABELED "STORM SEWER."
14. MANHOLE STEPS SHALL CONFORM TO ONE OF THE FOLLOWING REQUIREMENTS:
    - GRAY IRON OR DUCTILE IRON INTEGRALLY CAST INTO THE MANHOLE BARREL, MEETING THE REQUIREMENTS OF ASTM A48.
    - GRAY IRON OR DUCTILE IRON EQUIPPED WITH INSERTS INTEGRALLY CAST INTO THE MANHOLE BARREL HAVING STEPS BOLTED ON, MEETING THE REQUIREMENTS OF ASTM A48.
    - COPOLYMER POLYPROPYLENE PLASTIC, MEETING THE REQUIREMENTS OF ASTM D 2146

GRADING NOTES:

1. THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING COMPACTION TESTING.
2. ALL TOPSOIL SHALL BE STRIPPED WITHIN THE PROPOSED LIMITS OF GRADING AND SHALL BE STOCKPILED ON-SITE IN AN APPROVED LOCATION FOR LATER USE WITH ANY EXCESS TO BE DISPOSED OF OFF-SITE ONCE ALL LANDSCAPED AREAS HAVE BEEN BROUGHT TO FINISH GRADE UNLESS OTHERWISE NOTED ON THE PLANS.
3. SUBGRADE SHALL BE PROOF ROLLED WITH A HEAVILY LOADED DUMP TRUCK AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING FILL. ANY AREAS SHOWING SIGNS OF PUMPING, RUTTING, OR ANY UNSUITABLE (ORGANIC, SOFT, WET, LOOSE) MATERIAL FOUND IN PLACE SHALL BE UNDERCUT AND REPLACED, OR MOISTURE CONDITIONED AND COMPACTED TO THE SPECIFIED DENSITY AND MOISTURE CONTENT LISTED BELOW.
4. ALL EXPOSED SUBGRADE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12" AND RECOMPACTED TO THE SPECIFIED DENSITY AND MOISTURE CONTENT LISTED BELOW.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE SUBGRADE AFTER IT HAS BEEN INITIALLY PREPPED DUE TO INCLEMENT WEATHER AND CONSTRUCTION TRAFFIC.
6. FILL MATERIAL SHALL HAVE THE FOLLOWING PROPERTIES: VIRTUALLY FREE OF ORGANICS, NO ROCK FRAGMENTS GREATER THAN 4" WITHIN 4' OF FINISH GRADE, LIQUID LIMIT OF 25 TO 40, PLASTICITY INDEX OF 6 TO 14, MINIMUM STANDARD PROCTOR (ASTM D-698) OF 100 PCF, COMPACTED 95% IN PAVED AND STRUCTURAL AREAS, 95% NON-STRUCTURAL AND LANDSCAPED AREAS, PLACED IN 8" LOOSE LIFTS, AND WITHIN ±2.0% OF OPTIMUM MOISTURE CONTENT. STRUCTURAL AREAS INCLUDE ZONES OF INFLUENCE AROUND THE BUILDING, PAVEMENT AREAS, FILL SLOPES, ETC.
7. COMPACTION TESTS SHALL BE TAKEN AT THE RECOMMENDATION OF THE ON-SITE GEOTECHNICAL ENGINEER, BUT AT A MINIMUM EVERY 2,500 SQUARE FEET OF AREA PER 8" LIFT.
8. COMPACTION WITHIN LIMITED SPACES (I.E. MANHOLES, INLETS, UTILITY TRENCHES) SHOULD BE BACKFILLED AND COMPACTED SYSTEMATICALLY, AT THE DIRECTION OF THE ON-SITE GEOTECHNICAL ENGINEER. STONE BACKFILL SHALL BE INSTALLED IN 6" LOOSE LIFTS AND COMPACTED WITH 6-8 PASSES OF A VIBRATORY COMPACTOR
9. CLEARING LIMITS SHALL BE 5' OUTSIDE OF ALL PROPOSED GRADED AREAS OR NOT BEYOND THE PROPERTY LINES WHICHEVER IS LESS.
10. NO GRADING OFF-SITE OR IN ANY ROAD RIGHT-OF-WAY WITHOUT PROPER APPROVALS AND PRIOR NOTIFICATION.
11. COORDINATE THE SEQUENCING OF ALL GRADING OPERATIONS WITH THE EROSION CONTROL PLAN.
12. THE MAXIMUM SLOPE IN HANDICAP PARKING AREAS SHALL NOT EXCEED 2.0% GRADE IN ANY DIRECTION. SLOPE IN THE DIRECTION OF TRAVEL IN ALL HANDICAP ACCESS ROUTES SHALL NOT EXCEED 5.0% GRADE AND 2.0% CROSS SLOPE.
13. ALL GRADING ADJACENT TO EXISTING OR PROPOSED BUILDINGS SHALL BE SLOPED AWAY FROM THE STRUCTURES AT A MINIMUM OF 1.0% GRADE. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM THE STRUCTURES. NOTIFY LBYD OF ANY DISCREPANCIES.
14. PROPOSED GRADES INDICATED ON THIS PLAN ARE TO FINISH GRADE. THE CONTRACTOR SHALL MAKE SUBGRADE ADJUSTMENTS FOR TOPSOIL, PAVING, BUILDING PAD, ETC.
15. ALL PROPOSED STORM INLETS (GRATES, CURB, YARD, AREA DRAINS) SHALL BE LOCATED AT THE LOWPOINTS. GRADING SHALL BE TO DIRECT RUNOFF TO THESE INLETS. NOTIFY LBYD OF ANY DISCREPANCIES.
16. STORM DRAINAGE SYSTEMS SHALL BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM. VERIFY ALL PIPE SLOPES, INVERTS, AND POINTS OF CONNECTION PRIOR TO CONSTRUCTION. NOTIFY LBYD OF ANY DISCREPANCIES.
17. FILL SLOPES SHOULD BE BENCHED INTO THE EXISTING SLOPES AND SHOULD BE COORDINATED WITH THE ONSITE ENGINEERING FOR DEPTH OF BENCH INTO THE SLOPE.
32. NO GEOTECHNICAL REPORT IS AVAILABLE FOR THIS PROJECT. THE CONTRACTOR SHALL VISIT THE SITE AND COMPLETE ANY EXPLORATIONS THAT IT FEELS NECESSARY IN ORDER TO PROVIDE A SATISFACTORY BID.
33. DEWATERING SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. PREVENT SURFACE WATER AND GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES, AND FROM FLOODING PROJECT SITE AND SURROUNDING AREA. PROTECT SUBGRADES FROM SOFTENING, UNDERMINING, WASHOUT, AND DAMAGE BY RAIN OR WATER ACCUMULATION. REROUTE SURFACE WATER RUNOFF AWAY FROM EXCAVATED AREAS. DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS. DO NOT USE EXCAVATED TRENCHES AS TEMPORARY DRAINAGE DITCHES. INSTALL A DEWATERING SYSTEM TO KEEP SUBGRADES DRY AND CONVEY GROUND WATER AWAY FROM EXCAVATIONS. MAINTAIN UNTIL DEWATERING IS NO LONGER REQUIRED. IF GROUNDWATER DEWATERING IS REQUIRED, CONTRACTOR IS TO OBTAIN ANY PERMITS AS MAY BE REQUIRED PRIOR TO DISCHARGE OF EFFLUENT FROM DEWATERING.

STORM DRAINAGE NOTES (CONTINUED):

REINFORCED WITH A ½" DIAMETER DEFORMED BAR MEETING THE REQUIREMENTS OF ASTM A 615.

15. MANHOLE INVERTS SHALL BE CONSTRUCTED OF MORTAR COMPRISED OF 1 PART PORTLAND TYPE II CEMENT AND 2 PARTS SAND BY VOLUME. INVERTS SHOULD BE HAND TROWLED TO A SMOOTH FINISH. TOP OF INVERT SHALL BE A MINIMUM OF 8" WIDE TO ALLOW CRAWLER TYPE CAMERA ACCESSIBILITY. TO ACCOMMODATE FOR WIDER INVERTS MANHOLES SHALL BE DESIGNED AND CONSTRUCTED UTILIZING 0.2' DROP ACROSS EACH MANHOLE OR MATCH CROWN AT PIPE SIZE CHANGES.
16. STORM SEWER PIPING 15" AND GREATER SHALL HAVE THE FOLLOWING CHARACTERISTICS:
    - REINFORCED CONCRETE PIPE (RCP) CONFORMING TO THE REQUIREMENTS OF ASTM C76, WALL TYPE B. PIPE CLASS SHALL BE DETERMINED BY LAYING DEPTH; CLASS III FOR CUTS 0 TO 10 FEET, CLASS V FOR CUTS 10 TO 20 FEET, CLASS V FOR ALL CUTS EXCEEDING 20 FEET. RPC SHALL BE INSTALLED SUCH THAT THE PIPE BELL IS UPSTREAM OF THE PIPE SPIGOT.
    - PIPE END TREATMENT SHALL BE BELL AND SPIGOT MANUFACTURED IN ACCORDANCE WITH ASTM C76 WITH JOINT LENGTHS NO LESS THAN 8' AND NO GREATER THAN 16'. GASKETS FOR BELL AND SPIGOT JOINTS SHALL BE RUBBER O-RING GASKETS MANUFACTURED IN ACCORDANCE WITH ASTM C361 AND ASTM C433.
    - RCP SHALL BE MANUFACTURED WET CAST, DRY CAST OR CENTRIFUGALLY CAST OR BY THE REDESTRUCTION METHOD.
    - ALL PIPE LIFT HOLES ARE TO BE PLUGGED WITH A MORTAR MIX CONSISTING OF ONE PART PORTLAND CEMENT, TWO PARTS SAND BY VOLUME AND WATER AS REQUIRED TO PRODUCE A STIFF WORKABLE MIXTURE.
    - ALL JOINTS IN RCP SHALL BE FULLY WRAPPED IN FILTER FABRIC MEETING THE REQUIREMENTS OF ALDOT TYPE A SILT FENCE.
17. STORM SEWER PIPING SMALLER THAN 12" IN DIAMETER SHALL HAVE THE FOLLOWING CHARACTERISTICS:
    - DUCTILE IRON PIPE CLASS 350 WHICH SHALL BE CEMENT MORTAR LINED IN ACCORDANCE WITH ANSI A21.4/ AWWA C104; STANDARD THICKNESS, WITH ASPHALTIC SEAL COAT. DUCTILE IRON PIPE SHALL ALSO BE FURNISHED WITH OUTSIDE ASPHALTIC COATING OF 1 MIL THICKNESS PER ANSI A21.51/AWWAC151. PIPE SHALL BE INSTALLED SUCH THAT THE PIPE BELL IS UPSTREAM OF THE PIPE SPIGOT.
    - ALL DUCTILE IRON PIPE AND FITTINGS SHALL HAVE A MINIMUM PRESSURE CLASS RATING OF 350.
    - JOINTS FOR DUCTILE IRON PIPE TO BE INSTALLED UNDERGROUND SHALL BE "PUSH-ON" JOINT PIPE, IN COMPLIANCE WITH ANSI/AWWA A21.11-07/C111.
    - GASKETS FOR "PUSH-ON" JOINT PIPE SHALL BE STYRENE BUTADIENE RUBBER.
18. ALL NEW STORM SEWER LATERALS AND MAINS SHALL INCLUDE UNDERGROUND WARNING TAPE PLACED 1' ABOVE PIPE DURING PIPE BACKFILL OPERATIONS. WARNING TAPE SHALL BE NON-CONDUCTIVE POLY 3" WIDE WITH 1" LETTERING 4 MILS THICK. WARNING TAPE SHALL CONFORM TO APWA UNIFORM COLOR CODES AND SHALL READ "BURIED SEWER LINE".
19. PROVIDE COMBINATION CLEANOUT PLUG/RELIEF ON FIRST CLEANOUT OUTSIDE OF BUILDING.
20. NO STORM SEWER MANHOLE, PIPING OR FITTINGS SHALL HAVE ANY STRUCTURE, TEMPORARY OR PERMANENT, BUILT OVER THE TOP OF IT.
21. IN STAIRWELLS, AREAWAYS AND SIMILAR LOCATIONS WHERE LEAF CLOGGING OF CONVENTIONAL DRAINS WOULD BE EXPECTED PROVIDE SCUPPER OR CAST IRON DOME TYPE DRAINS.
22. CURB INLETS SHALL BE ALDOT TYPE S SELF-CLEANING INLETS.
23. ALL NEW AND EXISTING GUTTER DOWNSPOUTS WHICH CONNECT TO UNDERGROUND STORM SYSTEM SHALL UTILIZE A PIEDMONT PIPE DOWNSPOUT BOOT MODEL B1 OR APPROVED EQUAL TO TRANSITION BETWEEN DOWNSPOUT AND DRAINAGE LATERAL. EXISTING GUTTER DOWNSPOUT CONNECTIONS SHALL ALSO UTILIZE A PIEDMONT PIPE DOWNSPOUT ADAPTER A1 TO CONNECT TO EXISTING DRAINAGE LATERALS.
24. ALL STORM SEWER JUNCTION BOXES SHALL HAVE AN ACCESS.

AUBURN UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS GENERAL NOTES:

1. THE EROSION CONTROL MEASURES SHOWN ARE A REQUIRED MINIMUM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF SEDIMENT TRANSPORT FROM THIS PROPERTY IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL ADDITIONAL DEVICES AND IMPLEMENT ADDITIONAL PRACTICES IF WARRANTED BY FIELD CONDITIONS. PRIOR TO CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL SILT FENCING AND SEDIMENT TRAPS, SEDIMENT BASINS, AS SHOWN.
2. THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION CONTROL DEVICES AND PRACTICES. INSPECTIONS SHALL BE PERFORMED AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAINFALL EVENT OF 1/2" OR GREATER.
3. THE CONTRACTOR SHALL BEGIN STABILIZATION MEASURES IN PORTIONS OF THE DISTURBED AREA AS SOON AS PRACTICAL, HOWEVER, STABILIZATION MEASURES MUST BE INITIATED WITHIN 13 CALENDAR DAYS ON PORTIONS WHERE CONSTRUCTION ACTIVITY HAS CEASED. THIS APPLIES TO SOIL STOCKPILES AS WELL. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
4. ALL DISTURBED AREAS NOT ENCOMPASSED BY STRUCTURES, PAVEMENT, OR CALLED OUT FOR OTHER SURFACE TREATMENT SHALL BE, AT MINIMUM, TOP SOILED, SEEDED AND MULCHED IN ACCORDANCE WITH AUBURN UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EROSION CONTROL MEASURES EXCEPT CHANNEL LINING AND OUTLET PROTECTION AFTER SITE STABILIZATION. THE CONTRACTOR SHALL DRESS ALL AREAS TO THE LINE AND GRADE SHOWN ON THESE PLANS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND/OR FLUSHING SEDIMENT FROM EXISTING STORM DRAINS IF AN EXCESSIVE AMOUNT IS COLLECTED DURING CONSTRUCTION ACTIVITIES.
7. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT ALABAMA ONE CALL (811) A MINIMUM OF 48 HOURS PRIOR TO EXCAVATION AND AUBURN UNIVERSITY (334-844-4357) A MINIMUM OF 5 DAYS PRIOR TO EXCAVATION IN ORDER TO GIVE BOTH ENTITIES ENOUGH TIME TO MARK UTILITIES. IF NO PAINT IS VISIBLE, CONTRACTOR SHALL NOT PERFORM EXCAVATION UNTIL VERIFYING WITH AUBURN UNIVERSITY FACILITIES MANAGEMENT DEPARTMENT THAT WORK SITE IS CLEARED FOR EXCAVATION.
8. EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S)
    - THE CONTRACTOR SHALL UTILIZE EROSION CONTROL BMPS TO PREVENT THE DISCHARGE OF SEDIMENT BEARING WATER RUNOFF OR AIRBORNE DUST FROM THE PROJECT SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS DURING CONSTRUCTION.
    - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN NPDES FOR STORM WATER DISCHARGE FROM THE CONSTRUCTION SITE(S) FOR ALL WORK DESCRIBED IN THESE SPECIFICATIONS AND SHOWN ON THE DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MEET ALL REQUIREMENTS AND OBLIGATIONS OF THE PERMIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH MAKING APPLICATION FOR THE PERMIT AND FOR MEETING THE REQUIREMENTS OF THE PERMIT.
    - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION AND MAINTENANCE OF ALL BMP'S IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMITTING AUTHORITY.
    - THE CONTRACTOR SHALL ENSURE THAT ALL DOWN SLOPE BMP'S ARE INSTALLED AND FUNCTIONAL BEFORE ANY LAND DISTURBING ACTIVITY IS COMMENCED ON ANY PORTION OF THE SITE.
    - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADDITIONAL BMP'S IF REQUIRED BY FIELD CONDITIONS, THE ARCHITECT/ENGINEER OR A PERMITTING AUTHORITY HAVING JURISDICTION OF THE SITE.
    - AFTER STABILIZATION OF THE DISTURBED AREA HAS BEEN ACHIEVED, THE CONTRACTOR SHALL REMOVED AND DISPOSE OF ALL TEMPORARY BMP'S AND DRESS OUT THOSE AREAS TO THE PROPER LINE AND GRADE.
9. PRE-CONSTRUCTION PHASE - EROSION CONTROL NOTES
    - PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AUBURN UNIVERSITY CONSTRUCTION PROJECT MANAGER AND DESIGN ENGINEER.
    - THE CONTRACTOR SHALL FOLLOW THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT THE LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.
    - NO STAGING AREAS, MATERIAL STORAGE OR CONCRETE WASH OUT AREAS SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.
    - 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.
    - PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZATIONCONSTRUCTION EXIT PAD SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.
    - THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY
        - IMMEDIATELY AFTER ESTABLISHMENT OF CONSTRUCTION EXIT PAD, ALL PERMIETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICESSHALL BE INSTALLED AS SHOWN ON THE PRE-CONSTRUCTION PHASE EROSION CONTROL PLAN.
        - DOUBLE ROW TYPE "A" SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE AUBURN UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES ONE HALF THE HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
        - INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES IN PROJECT SITE OR BELOW SITE WITHIN THE SAME DRAINAGE BASIN.
        - HAY BALE CHECK DAMS OR ROCK FILTER DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
        - TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
        - SEDIMENT PONDS AND DIVERSION SWALES SHALL BE INSTALLED AS SHOWN ON THE PRE CONSTRUCTION PLAN.
    - AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE DESIGN ENGINEER. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE DESIGN ENGINEER AND AUBURN REPRESENTATIVE APPROVE INSTALLATION OF SAID EROSION CONTROL MEASURES AND LAND DISTURBANCE AUTHORIZATION IS GRANTED. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION.
    - NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE.
    - ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION IS CONSTRUCTED AS SHOWN ON THE PRE-CONSTRUCTION PHASE EROSION CONTROL PLAN.
    - ALL EROSION CONTROL MEASURES SHALL MEET THE REQUIREMENTS OF THE ALABAMA HANDBOOK FOR EROSION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES AND URBAN AREAS, LATEST EDITION AND THE AUBURN UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS.
    - MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 13 DAYS OF THE CEASING OF LAND DISTURBANCE ACTIVITIES.
    - SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EV

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PROJECT NO.
102-16-122

NOTE:
SEQUENCING OF SITE DEMOLITION MUST BE COORDINATED TO ENSURE EXISTING HOT & CHILLED WATER LINES & POWER SERVICE REMAIN ACTIVE UNTIL NEW LINES ARE COMPLETED.

MAINTAIN MINIMUM 5' WIDE ACCESS TO DUDLEY HALL & SHOP BUILDING THROUGHOUT CONSTRUCTION
MAINTAIN ACCESS TO EXISTING SERVICE AREA
CONNECT CONSTRUCTION FENCE TO EXISTING BUILDING
EXISTING TRANSFORMER & POWER SERVICE TO BE REMOVED & REPLACED (SEE ELECTRICAL PLANS)
REMOVE & REPLACE WALL AS NEEDED TO INSTALL PROPOSED IMPROVEMENTS (MATCH EXISTING CONSTRUCTION)
PANEL CONSTRUCTION FENCING
CONCRETE SIDEWALK TO BE REMOVED
CONCRETE LANDING & STEPS TO BE REMOVED (COORDINATE WITH ARCHITECTURAL PLANS)
LIGHT POLE & SERVICE TO BE RELOCATED (TYP.) (SEE ELECTRICAL PLANS)
TREE TO BE REMOVED
CONCRETE LANDING & STEPS TO BE REMOVED (COORDINATE WITH ARCHITECTURAL PLANS)
COORDINATE WITH ARCHITECTURAL PLANS FOR INTERFACE AT EXISTING BUILDING (TYP.)
SIGN TO BE REMOVED (TYP.)
CONCRETE LANDING & STEPS TO BE REMOVED (COORDINATE WITH ARCHITECTURAL PLANS)
LIGHT POLE & SERVICE TO BE RELOCATED (TYP.) (SEE ELECTRICAL PLANS)
TREE TO BE REMOVED
TEMPORARY 6' WIDE, 4" THICK CONCRETE SIDEWALK FOR EGRESS (COORDINATE WITH ARCHITECTURAL PLANS)
CONCRETE SIDEWALK TO BE REMOVED
POST & CHAIN TO BE REMOVED
TREE TO BE REMOVED
PANEL CONSTRUCTION FENCING
LIGHT POLE & SERVICE FEED TO BE REMOVED
SHRUBS TO BE REMOVED
WORK IMPACTING SIDEWALK & WEST SAMFORD AVENUE SHALL BE CONSTRUCTED DURING A HOLIDAY OR OTHER TIMEFRAME WHEN CLASSES ARE NOT IN SESSION. SIDEWALK SHALL REMAIN OPEN AT ALL OTHER TIMES.
CONCRETE SIDEWALK TO BE REMOVED
CONCRETE PAD TO BE REMOVED. SALVAGE BIKE RACK.
TREE TO BE REMOVED
CURB & GUTTER TO BE REMOVED
CONSTRUCTION ACCESS GATE. SIZE AS REQUIRED TO ACCOMMODATE CONSTRUCTION TRAFFIC.
CURB RAMP & SIDEWALK TO BE REMOVED
EXISTING PORTAL COLUMN TO REMAIN. PROTECT.
DRIVEN POST CONSTRUCTION FENCING (SEE DETAIL)
SIGN TO BE REMOVED (TYP.)
STORM INLET TO BE REMOVED
CONCRETE PAD TO BE REMOVED. SALVAGE BIKE RACK.
CONCRETE PAVING TO BE REMOVED
CURB & GUTTER TO BE REMOVED
ASPHALT PAVING TO BE REMOVED
CONCRETE FIELD WITH BRICK BANDING TO BE REMOVED
POST & CHAIN TO BE REMOVED
CONCRETE SIDEWALK TO BE REMOVED
CURB & GUTTER TO BE REMOVED
RETAINING WALL TO BE REMOVED
CONCRETE AND STORM INLET TO BE REMOVED
STORM INLET TO BE REMOVED
TREE TO BE REMOVED
TREE TO BE REMOVED
CURB TO BE REMOVED
PANEL CONSTRUCTION FENCING
TREE TO BE REMOVED (TYP.)
CONCRETE STEPS TO BE REMOVED
CONCRETE SIDEWALK TO BE REMOVED
STORM INLET TOP TO BE REMOVED
DUMPSTERS TO BE RELOCATED (COORDINATE WITH OWNER)
SIDEWALK CLOSED SIGN (R9-9) & PEDESTRIAN DETOUR SIGN (M4-9B) MOUNTED ON FENCE
RETAINING WALL & HANDRAIL TO BE REMOVED
TEMPORARY 6' WIDE, 4" THICK CONCRETE SIDEWALK TO BE INSTALLED BEFORE CONCOURSE IS SHUT DOWN. COORDINATE LOCATION WITH OWNER PRIOR TO INSTALLATION.
ASPHALT PAVING TO BE REMOVED
RETAINING WALL TO BE REMOVED
LIGHT POLE & SERVICE TO BE RELOCATED (TYP.) (SEE ELECTRICAL PLANS)
BOLLARD TO BE REMOVED
DRIVEN POST CONSTRUCTION FENCING (SEE DETAIL)
TEMPORARY 6' WIDE, 4" THICK CONCRETE SIDEWALK TO BE INSTALLED BEFORE CONCOURSE IS SHUT DOWN. COORDINATE LOCATION WITH OWNER PRIOR TO INSTALLATION.
SIDEWALK CLOSED SIGN (R9-9) & PEDESTRIAN DETOUR SIGN (M4-9B) MOUNTED ON FENCE

SURFACE DEMOLITION PLAN

DUDLEY HALL HOT & CHILLED WATER SERVICE TO REMAIN IN SERVICE FOR THE DURATION OF CONSTRUCTION (COORDINATE WITH SEQUENCING PLANS PROVIDED IN PROJECT MANUAL)
STORM INLET TO BE REMOVED
EXISTING TRANSFORMER & POWER SERVICE TO BE RELOCATED (SEE ELECTRICAL PLANS)
HOT & CHILLED WATER LINES TO BE REMOVED
ABANDONED WATER LINE TO BE REMOVED
HOT WATER LINES TO BE REMOVED
PROVIDE TEMPORARY SAFETY LIGHTING FOR WALKWAY (COORDINATE WITH ELECTRICAL)
COMMUNICATION LINE TO REMAIN. PROTECT.
UNDERGROUND ELECTRICAL DUCT BANK TO REMAIN. PROTECT.
STORM PIPE TO BE REMOVED
STORM INLET TO BE REMOVED
CHILLED WATER LINES TO BE REMOVED
STORM PIPE TO BE REMOVED
STORM INLET TOP TO BE REMOVED
UNDERGROUND ELECTRICAL DUCT BANK TO REMAIN. PROTECT.
HOT WATER LINES TO BE REMOVED
HOT WATER LINES TO BE REROUTED (SEE SHEET C3.0)
HOT WATER LINES TO BE REMOVED
PROVIDE TEMPORARY SAFETY LIGHTING FOR WALKWAY (COORDINATE WITH ELECTRICAL)
UNDERGROUND ELECTRICAL TO BE REMOVED
STORM PIPE TO BE REMOVED
STORM INLET TO BE REMOVED
UNDERGROUND ELECTRICAL TO REMAIN. PROTECT.

SUBSURFACE DEMOLITION PLAN

SPECIAL NOTES:

1. ALL EXISTING IMPROVEMENTS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING IMPROVEMENTS BEFORE BID DATE.
2. UTILITIES SHOWN FOR GENERAL REFERENCE. CONTRACTOR SHALL IDENTIFY ALL UTILITIES ON THE SUBJECT PROPERTY AND TERMINATE PER APPLICABLE SERVICE PROVIDER'S REQUIREMENTS.
3. AU UTILITY SERVICES SHALL BE CALLED TO GPS AND TAKE PICTURES OF ALL UTILITIES CAPPED AND/OR DOCUMENT THEIR REMOVAL.
4. PANEL CONSTRUCTION FENCING SHALL BE MINIMUM 6' TALL MOVEABLE PANELS WITH GREEN, WOVEN POLYESTER WINDSCREENS, AT JOINTS PROVIDE 2 SANDBAGS EACH FOR STABILITY. "CATTLE GATES" WILL NOT BE ALLOWED.
5. FOR SEWER, DOMESTIC & FIRE LINE CAP, INSTALL LOCK RING (MEGA LUG OR EQUAL) AND MECHANICAL JOINT CAP. ROD CAP BACK TO LOCK RING. WRAP CAP ASSEMBLY IN PLASTIC AND POUR THRUST BLOCK PER DETAIL.
6. FOR ELECTRICAL CONDUIT CAPS, INSTALL CAP MATERIAL MATCHING CONDUIT MATERIAL.
7. HOT AND CHILLED WATER LINES SHALL NOT BE REMOVED UNTIL NEW BUILDING SERVICES ARE INSTALLED, TESTED, AND ACCEPTED.

DEMOLITION LEGEND

- ASPHALT PAVING TO BE REMOVED
- CONCRETE PAVEMENT/SIDEWALK TO BE REMOVED
- LANDSCAPING TO BE REMOVED
- TREES TO BE REMOVED
- UNDERGROUND UTILITIES TO BE REMOVED
- PANEL CONSTRUCTION FENCING
- DRIVEN POST CONSTRUCTION FENCING

NORTH
0 10 20 40
SCALE 1" = 20'

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No.	Revision	Date

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 26982
CHRISTOPHER IRVIN EARNEST
9/14/17

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By: WCW

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
SITE DEMOLITION PLAN

DRAWN BY: WCW
CHECKED BY: CIE
DATE: 6-14-2017
FILE NUMBER: 102-16-122
PROJECT NUMBER: 15-255
SHEET NUMBER:
C2.0
2 of □

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LBYD PROJECT NO. 102-16-122

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No.	Revision	Date

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 26982
CHRISTOPHER IRVIN EATMAN
9/14/17

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By: WCW

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE: SITE LAYOUT PLAN

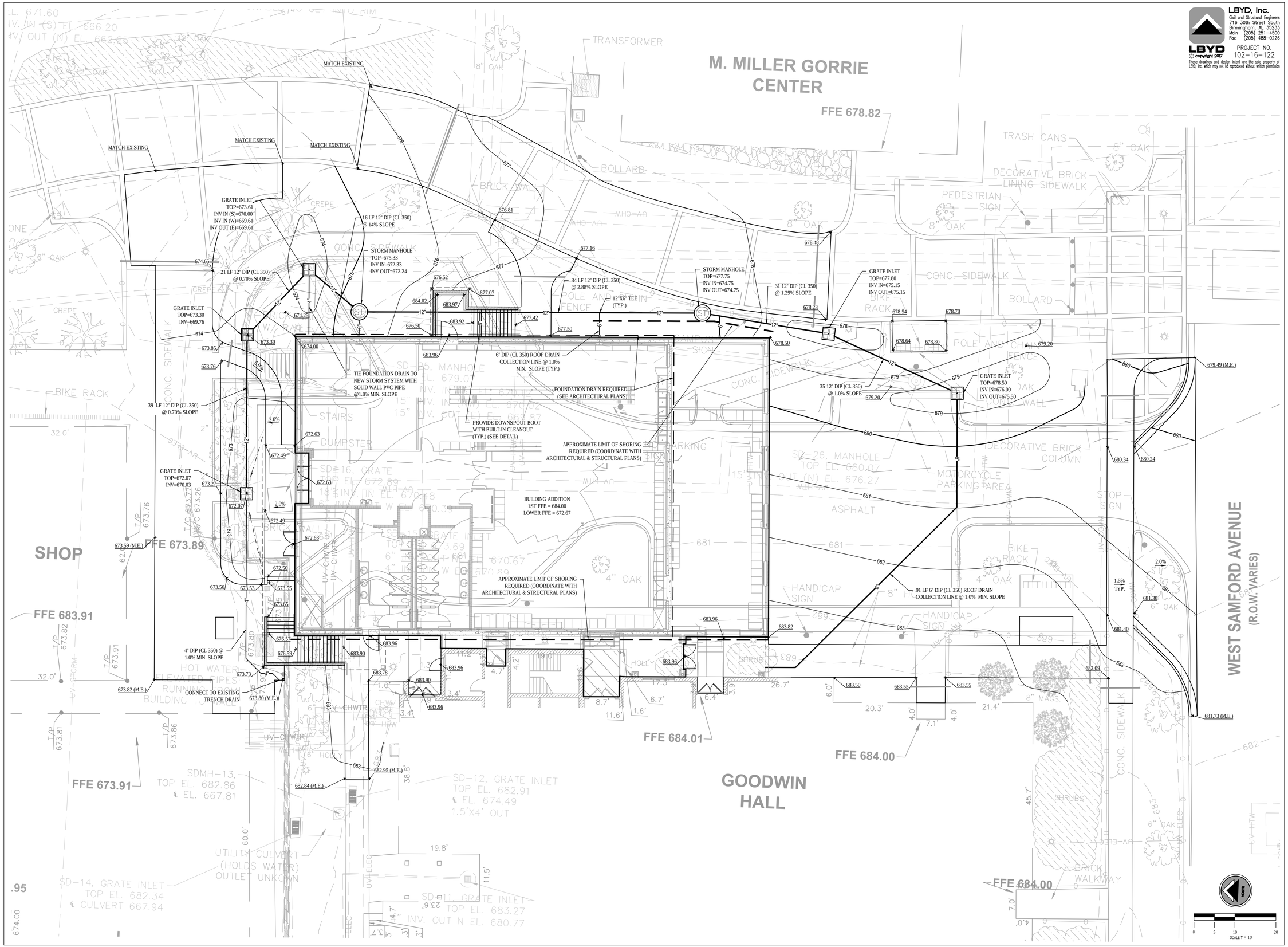
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DATE: 6-14-2017
FILE NUMBER: 102-16-122
PROJECT NUMBER: 15-255
SHEET NUMBER: C3.0
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M. MILLER GORRIE CENTER
FFE 678.82
GOODWIN HALL
SHOP
FFE 673.89
FFE 683.91
FFE 673.91
FFE 684.01
FFE 684.00
WEST SAMFORD AVENUE (R.O.W. VARIES)

CONCRETE FIELD WITH BRICK BANDING (MATCH EXISTING CONSTRUCTION)
SAWCUT AT EXISTING JOINT & ENSURE A SMOOTH TRANSITION WITH NEW CONCRETE & BRICK
IRRIGATION SLEEVE (SEE DETAIL)
CONCRETE SIDEWALK (SEE DETAIL)
STEPS WITH HANDRAIL & WALL (SEE ARCHITECTURAL & STRUCTURAL PLANS)
APPROXIMATE LIMIT OF SHORING REQUIRED (COORDINATE WITH ARCHITECTURAL & STRUCTURAL PLANS)
CONCRETE PAVING (SEE DETAIL)
BUILDING ADDITION 1ST FFE = 684.00 LOWER FFE = 672.67
TEMPORARILY LAY BACK SLOPE AS NECESSARY TO INSTALL BASEMENT FOUNDATIONS & WALL
BUILDING OVERHANG (SEE ARCHITECTURAL PLANS)
CONCRETE STEPS (SEE ARCHITECTURAL PLANS)
TRANSFORMER PAD (SEE ELECTRICAL PLANS)
BOLLARDS (SEE DETAIL)
REPLACE EXISTING WALL AS NEEDED TO INSTALL PROPOSED STAIR & UTILITIES
SALVAGE EXISTING BIKE RACK & REINSTALL ONTO PROPOSED CONCRETE SIDEWALK
POST & CHAIN (SEE DETAIL)
LANDSCAPED AREA
CONNECT TO EXISTING 24" CURB & GUTTER
24" CURB & GUTTER (SEE DETAIL)
TAPER CURB FROM 6" TO 0" HEIGHT IN 5'
CONCRETE PAVING (SEE DETAIL)
4" WHITE THERMOPLASTIC STRIPE
SAWCUT ASPHALT PAVING ENSURING A SMOOTH TRANSITION & NO PONDING OF WATER
CONCRETE PAVING FLUSH WITH SIDEWALK

SPECIAL NOTES:
1. ALL STRIPING SHALL BE THERMOPLASTIC.
2. ALL SIGNAGE AND SIGN POSTS SHALL BE PER AUBURN UNIVERSITY STANDARDS. SIGNS MUST BE BOUGHT AND INSTALLED BY THE CONTRACTOR.
3. PERMANENT AND TEMPORARY SHORING SYSTEMS SHALL BE TOTAL DESIGN/BUILD BY THE CONTRACTOR.

NORTH
SCALE 1" = 10'



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No.	Revision	Date

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 26982 CHRISTOPHER IRVIN EATMAN 6/14/17

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By: WCW

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE: GRADING AND DRAINAGE PLAN

DRAWN BY: WCW
CHECKED BY: CIE
DATE: 6-14-2017
FILE NUMBER: 102-16-122
PROJECT NUMBER: 15-255
SHEET NUMBER: C4.0

SCALE 1" = 10'

SPECIAL NOTES:

1. CONTRACTOR SHALL ESTABLISH PERIMETER EROSION CONTROL MEASURES AND SITE FENCING PRIOR TO BEGINNING DEMOLITION AND GRADING ACTIVITIES. DURING CONSTRUCTION, CONTRACTOR MUST MONITOR AND MAINTAIN EROSION CONTROL MEASURES FOR THE DURATION OF THE PROJECT.

EROSION CONTROL LEGEND

SB	SILT FENCING	TSG	TOPSOIL
IP	SILT SAVER / DANDY SACK/DANDY CURB INLET PROTECTION	ECB	EROSION CONTROL BLANKET
CDW	WATTLE CHECK DAM	DV	DIVERSION BERM
CdR	RIP RAP CHECK DAM	PS	PERMANENT SEEDING
CEP	CONSTRUCTION EXIT PAD	TS	TEMPORARY SEEDING
OP	OUTLET PROTECTION	SOD	SODDING
Gr	GRAVEL SOCK	MU	MULCHING

BUILDING ADDITION
1ST FFE = 684.00
LOWER FFE = 672.67

FFE 678.82
FFE 673.89
FFE 683.91
FFE 673.91
FFE 684.01
FFE 684.00
FFE 684.00

SHOP
GOODWIN HALL

WEST SAMFORD AVENUE
(R.O.W. VARIES)

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Civil and Structural Engineers
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Birmingham, AL 35233
Main (205) 251-4500
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LBYD
PROJECT NO.
102-16-122

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Facilities Management
1161 West Samford Avenue
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Fax: (334) 844-9458

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No.	Revision	Date

ALABAMA LICENSED No. 26982 PROFESSIONAL ENGINEER
CHRISTOPHER IRVIN EATMAN
6/14/17

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By: WCW

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

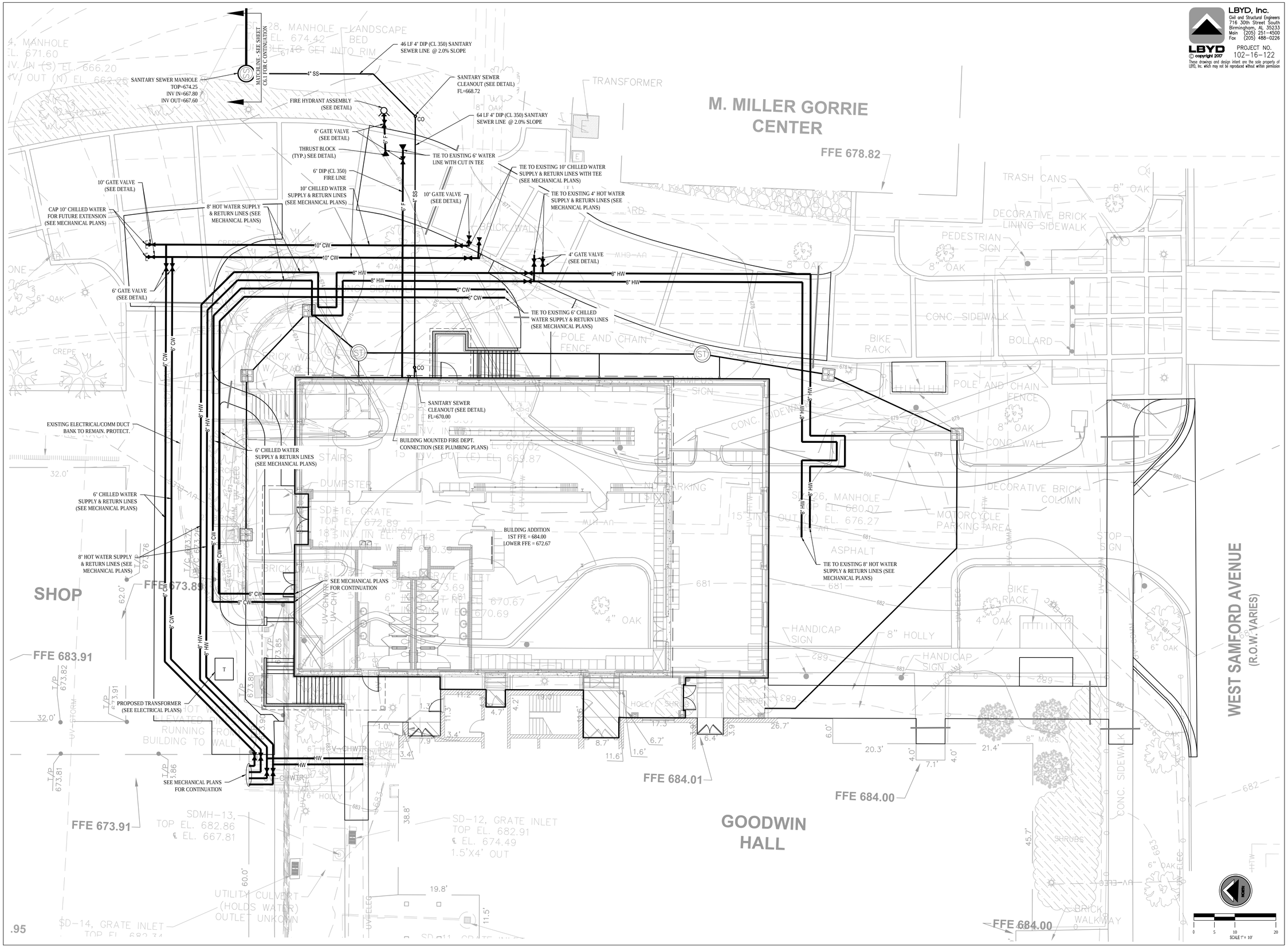
SHEET TITLE:
EROSION CONTROL PLAN

DRAWN BY: WCW
CHECKED BY: CIE
DATE: 6-14-2017
FILE NUMBER: 102-16-122
PROJECT NUMBER: 15-255
SHEET NUMBER:

C5.0

5 of □

SCALE 1" = 10'



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No.	Revision	Date

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 26982
CHRISTOPHER IRVIN EATMON
6/14/17

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By: WCW

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
SITE UTLITY PLAN

DRAWN BY: WCW
CHECKED BY: CIE
DATE: 6-14-2017
FILE NUMBER: 102-16-122
PROJECT NUMBER: 15-255
SHEET NUMBER: C6.0

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ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 26982
CURTIS IRVIN EATMAN
6/14/17

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By: WCW

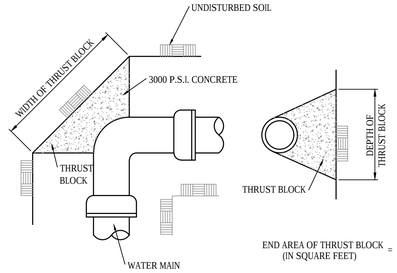
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
SANITARY SEWER MAIN EXTENSION PLAN

DRAWN BY: WCW
CHECKED BY: CIE
DATE: 6-14-2017
FILE NUMBER: 102-16-122
PROJECT NUMBER: 15-255
SHEET NUMBER: C6.1

7 of □

SCALE 1" = 10'



THRUST AT FITTINGS IN POUNDS*

PIPE SIZE	90° BEND	45° BEND	22.5° BEND	TEE OR PLUG
4"	2,666	1,443	735	1,885
6"	5,998	3,246	1,655	4,241
8"	10,663	5,771	2,942	7,540
10"	16,661	9,017	4,597	11,781
12"	23,992	12,984	6,619	16,965
14"	32,655	17,673	9,010	23,091
16"	42,652	23,083	11,768	30,160
18"	53,981	29,214	14,893	38,170
20"	66,643	36,067	18,387	47,124
24"	95,966	51,937	26,477	67,858

*BASED ON 150 PSI TEST PRESSURE

SOIL BEARING LOAD

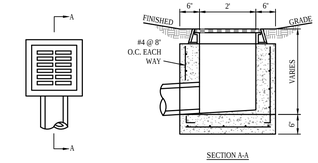
SOIL	BEARING LOAD P.S.F.
MUCK	0
SOFT CLAY	1,000
SILT	1,500
SANDY SILT	3,000
SAND	4,000
SANDY CLAY	6,000
HARD PAN	9,000

END AREA OF THRUST BLOCK (IN SQUARE FEET) = THRUST (AT FITTING) / SOIL BEARING LOAD (AT FITTING) X 1.5

NOTE: THE WIDTH OF THE THRUST BLOCK SHALL BE 2X THE DEPTH OF THE THRUST BLOCK.

Typical Thrust Block Detail

N.T.S.

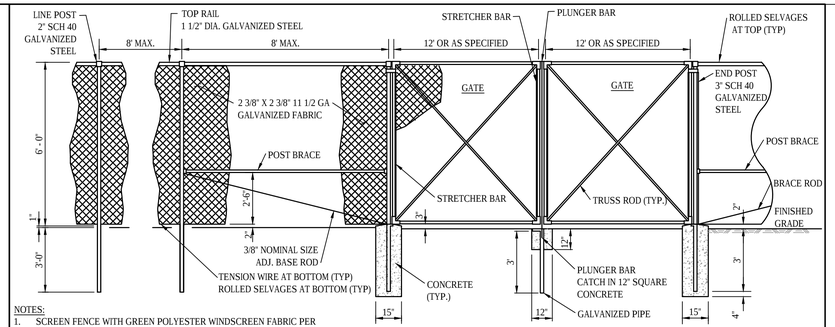


SECTION A-A

NOTES:
1. FOR INLETS IN LANDSCAPE AREAS, INLET FRAME AND GRATE SHALL BE NEENAH R-1879-A5G OR SIMILAR AND EQUAL.
2. IN LIEU OF CAST IN PLACE BOX, A PRECAST MANHOLE IS AN ACCEPTABLE ALTERNATE.
(*) TO ACCOMMODATE SKEWED PIPE, LARGER PIPE, SEVERAL PIPES, OR FIT OTHER CONDITIONS, IT MAY BE NECESSARY TO INCREASE ONE OR BOTH PLAN VIEW DIMENSIONS OF INLET BOX AND COVER SLAB.

Grate Inlet in Landscaped Areas

N.T.S.



NOTES:
1. SCREEN FENCE WITH GREEN POLYESTER WINDSCREEN FABRIC PER AU DESIGN AND CONSTRUCTION STANDARDS. PROVIDE GROMMETS AND TIES FOR SECURING TO FENCE. NO ZIP TIES ALLOWED.
2. CORNER, BRACE, AND GATE POSTS SHALL BE DRIVEN 3' WITH 4" CONCRETE EMBEDMENT AT 15" Ø. LINE POSTS SHALL BE DRIVEN TO 3' EMBEDMENT.
3. ALL FENCING FABRIC, FRAME MATERIALS, AND ACCESSORIES SHALL BE GALVANIZED STEEL.

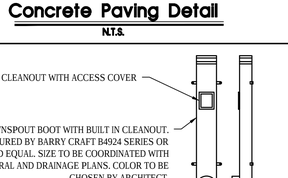
Driven Post Construction Fence

N.T.S.

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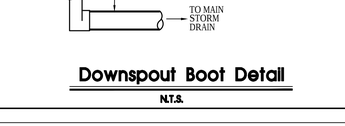
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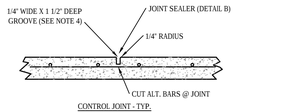


JOINT SEALER DETAIL A
AT POUR BREAKS AND ADJACENT TO EXISTING CONCRETE

JOINT SEALER DETAIL B
SAW CUT JOINT



DOWELS SHALL BE 14" LONG
EXPANSION JOINT - DOWELED
AT POUR BREAKS



CONTROL JOINT - TYP.

NOTES:
1. CONTRACTOR SHALL INSTALL 6" OF CRUSHED AGGREGATE BASE COURSE, TYPE B (ALDOT 825) UNDER ALL CONCRETE PAVING
2. CONCRETE SHALL HAVE 4000 PSI AT 28 DAYS
3. CONTRACTOR SHALL INSTALL CONTROL JOINTS IN CONCRETE PAVING AT 15' MAX SPACING BOTH WAYS. COORDINATE WITH ARCHITECTURAL PLANS FOR SCORING PATTERN.
4. CONTROL JOINT TO BE 1/4 OF THE SLAB THICKNESS TYPICALLY.
5. EXPANSION JOINTS AT POUR BREAKS AND 100' MAX SPACING. COORDINATE WITH CONTROL JOINTS.
6. IN LIEU OF REINFORCEMENT SHOWN, CONTRACTOR MAY USE 6x6 W6.5/W6.5 WELDED WIRE FABRIC.
7. ALL CONCRETE TO BE COLORED AS FOLLOWS - OCHRE COLOR 548, 50#/YD PER AUBURN UNIVERSITY REQUIREMENTS.

Concrete Paving Detail

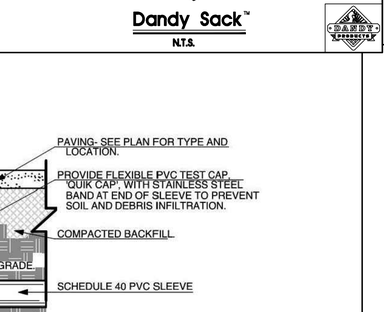
N.T.S.



NOTES:
1. CONTRACTION JOINT EVERY 5 TO 10 FEET.
2. EXPANSION JOINT EVERY 15 FEET.
3. CONTRACTOR SHALL INSTALL 6" OF CRUSHED AGGREGATE BASE COURSE, TYPE B (ALDOT 825) UNDER ALL CONCRETE SIDEWALKS.
4. ALL CONCRETE TO BE COLORED AS FOLLOWS - OCHRE COLOR 548 50#/YD PER AUBURN UNIVERSITY REQUIREMENTS.

Typical Sidewalk Detail

N.T.S.



ALL CONCRETE TO BE COLORED AS FOLLOWS - OCHRE COLOR 548, 50#/YD PER AUBURN UNIVERSITY REQUIREMENTS.

KEYED NOTES:

1. LINE OF FACE OF CURB (CURB GRADE SHOWN ON PLAN)
2. PAVEMENT GRADE SHOWN ON PLAN
3. PREPARED SUB-GRADE
4. STONE BASE
5. LINE FOR BACK OF CURB

NOTE:
ALL CURBS TO HAVE 3/4" EXPANSION JOINTS AT MAXIMUM 100 FEET WITH DOWELS AND CONTROL JOINTS AT MAX. 10 FEET.

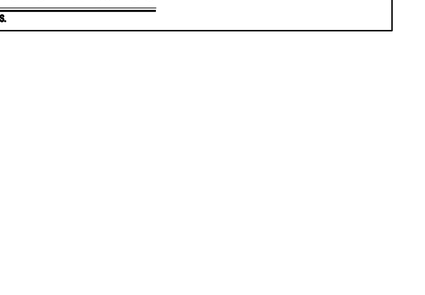
6" Header Curb

N.T.S.



Pipe Bollard

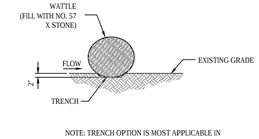
N.T.S.



NOTES:
1. SLOPE GUTTER AS SHOWN ACCORDING TO PAVING SLOPE.
2. 3/4" EXPANSION JOINT REQUIRED AT P.C.'S AND P.T.'S OF ALL CURVES, AT STRUCTURES (CURB INLETS, WHEELCHAIR RAMPS, ETC.) AND EVERY 100' MAX. WITH FILLER MATERIAL.
3. 3/16" SAWED JOINTS REQUIRED ON 20' INTERVALS.
4. 4,000 PSI CONCRETE UNLESS STATED OTHERWISE.
5. ALL CONCRETE TO BE COLORED AS FOLLOWS - OCHRE COLOR 548, 50#/YD PER AUBURN UNIVERSITY REQUIREMENTS.

24" Curb & Gutter

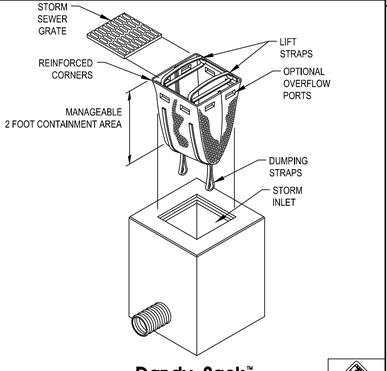
N.T.S.



Gr

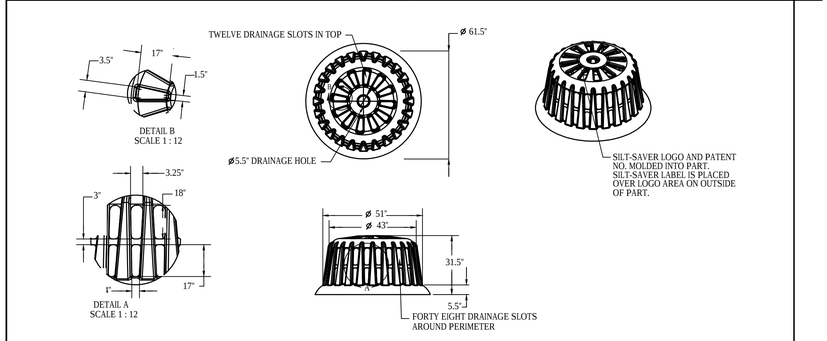
Gravel Sock

N.T.S.



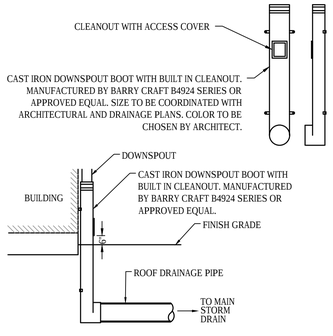
Dandy Sack™

N.T.S.



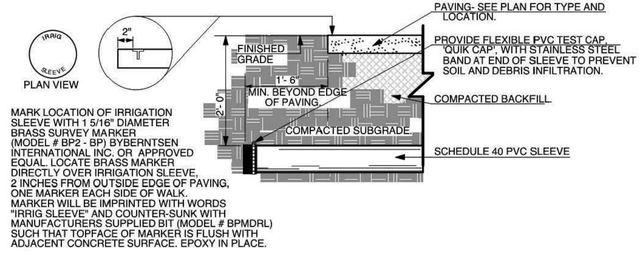
Silt Saver Round Frame P/N SS-100

N.T.S.



Downspout Boot Detail

N.T.S.



Irrigation Sleeve Under Paving

N.T.S.

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ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 26982
CHRISTOPHER IRVIN EATMON
6/14/17

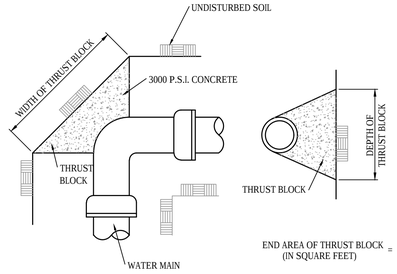
Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By: WCW

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE: DETAILS

DRAWN BY: WCW
CHECKED BY: CIE
DATE: 6-14-2017
FILE NUMBER: 102-16-122
PROJECT NUMBER: 15-255
SHEET NUMBER: C7.0

□ of □



THRUST AT FITTINGS IN POUNDS*

PIPE SIZE	90° BEND	45° BEND	22.5° BEND	TEE OR PLUG
4"	2,666	1,443	735	1,885
6"	5,998	3,246	1,655	4,241
8"	10,663	5,771	2,942	7,540
10"	16,661	9,017	4,597	11,781
12"	23,992	12,984	6,619	16,965
14"	32,655	17,673	9,010	23,091
16"	42,652	23,083	11,768	30,160
18"	53,981	29,214	14,893	38,170
20"	66,643	36,067	18,387	47,124
24"	95,966	51,937	26,477	67,858

*BASED ON 150 PSI TEST PRESSURE

SOIL BEARING LOAD

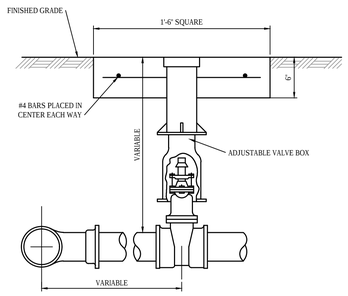
SOIL	BEARING LOAD P.S.F.
MUCK	0
SOFT CLAY	1,000
SILT	1,500
SANDY SILT	3,000
SAND	4,000
SANDY CLAY	6,000
HARD PAN	9,000

END AREA OF THRUST BLOCK (IN SQUARE FEET) = THRUST (AT FITTING) / SOIL BEARING LOAD (AT FITTING) X 1.5

NOTE: THE WIDTH OF THE THRUST BLOCK SHALL BE 2X THE DEPTH OF THE THRUST BLOCK.

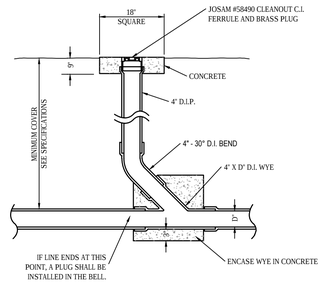
Typical Thrust Block Detail

N.T.S.



Typical Gate Valve

N.T.S.



Typical Cleanout Detail

N.T.S.

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Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By: WCW

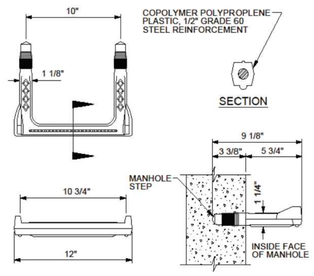
GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

NOTE:
DETAIL FROM AUBURN UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS, APPENDIX A.

PIPE SIZE	VARIABLE DIMENSIONS				
	MANHOLE DIAMETER	WALL THICKNESS	BASE THICKNESS	MINIMUM RISER HEIGHT	MAXIMUM RISER HEIGHT
D	a	b	c	d	d
24"	5'-0"	6"	7"	2'-8"	5'-8"
30"	5'-0"	6"	7"	4'-4"	7'-4"
36"	5'-0"	6"	7"	4'-4"	7'-4"
42"	6'-0"	7"	8"	4'-9"	7'-9"

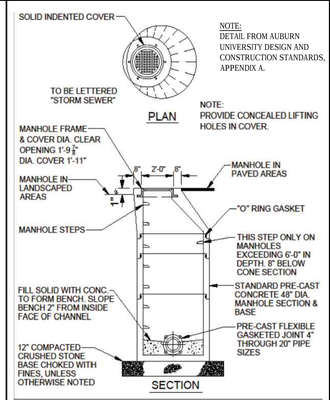
NOTE:
DIMENSIONS SHOWN IN TABLE ARE FOR REFERENCE ONLY. CONTRACTOR SHALL SIZE AND DESIGN ALL STORM AND SANITARY SEWER INLET AND MANHOLE BASE SECTIONS TO ACCOMMODATE INTERSECTING PIPES AND ASSOCIATED ANGLES.

G30-1.24 TYPE 1 MANHOLE DIMENSION
NOT TO SCALE



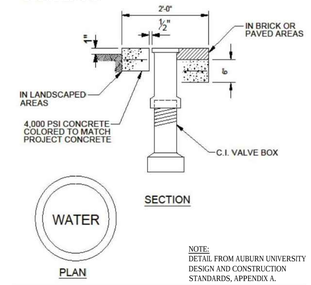
NOTE:
DETAIL FROM AUBURN UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS, APPENDIX A.

G30-1.15 STANDARD MANHOLE STEP
NOT TO SCALE



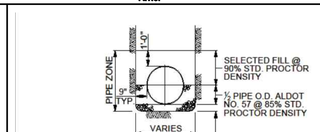
G30-1.22 NEW STORM SEWER MANHOLE
NOT TO SCALE

NOTES:
1. VALVE BOX AND EXTENSION MATERIAL SHALL BE CAST IRON. DUCTILE IRON PIPE SHALL NOT BE USED AS AN EXTENSION
2. VALVE BOXES FOR FIRE PROTECTION SHALL INCLUDE AN ALUMINUM PLATE W/STAMPED LETTERS TO READ "FIRE PROTECTION"
3. VALVE BOXES FOR NATURAL GAS SHALL BE LABELED "GAS"



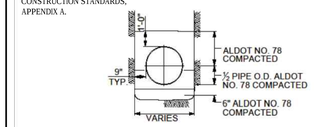
NOTE:
DETAIL FROM AUBURN UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS, APPENDIX A.

G30-1.18 CAST IRON VALVE BOX
NOT TO SCALE



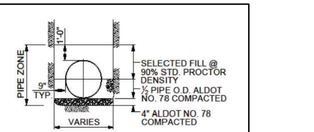
TRENCH EXCAVATED IN SOIL

NOTE:
DETAIL FROM AUBURN UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS, APPENDIX A.



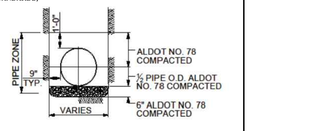
TRENCH EXCAVATED IN ROCK

G30-1.17 R.C.P. BEDDING & BACKFILL
NOT TO SCALE



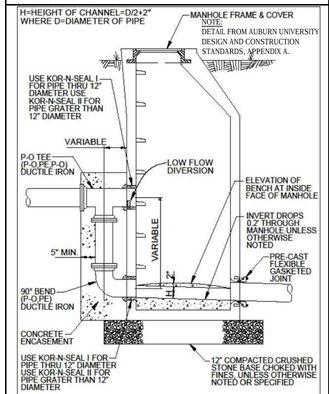
TRENCH EXCAVATED IN SOIL

NOTE:
DETAIL FROM AUBURN UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS, APPENDIX A.

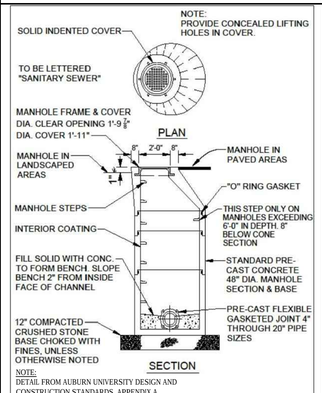


TRENCH EXCAVATED IN ROCK

G30-1.16 DUCTILE IRON BEDDING & BACKFILL
NOT TO SCALE

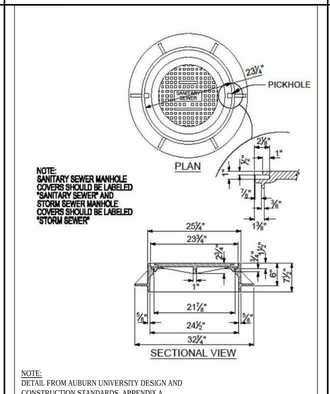


G30-1.8 MANHOLE DROP CONNECTION
NOT TO SCALE



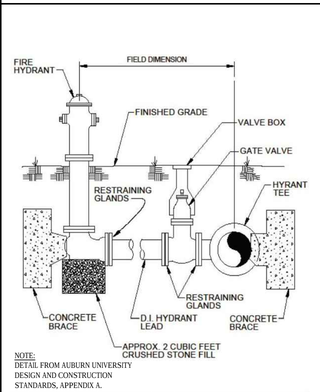
NOTE:
DETAIL FROM AUBURN UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS, APPENDIX A.

G30-1.3 NEW SANITARY SEWER MANHOLE
NOT TO SCALE



NOTE:
DETAIL FROM AUBURN UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS, APPENDIX A.

G30-1.4 MANHOLE FRAME AND COVER
NOT TO SCALE



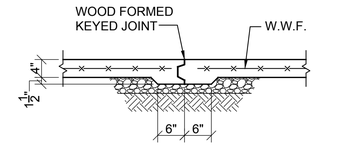
NOTE:
DETAIL FROM AUBURN UNIVERSITY DESIGN AND CONSTRUCTION STANDARDS, APPENDIX A.

G30-1.19 FIRE HYDRANT ASSEMBLY
NOT TO SCALE

SHEET TITLE: DETAILS

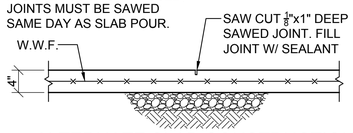
DRAWN BY: WCW
CHECKED BY: CIE
DATE: 6-14-2017
FILE NUMBER: 102-16-122
PROJECT NUMBER: 15-255
SHEET NUMBER: C7.1

□ of □

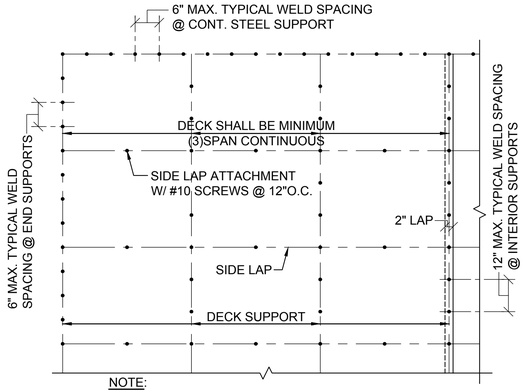


TYPICAL SLAB CONSTRUCTION
JOINT DETAIL-(C.J.)

NOTE:
IF SAWED JOINTS ARE USED, JOINTS MUST BE SAWED SAME DAY AS SLAB POUR.

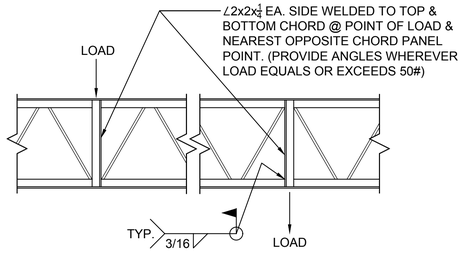


ALTERNATE SLAB CONSTRUCTION
JOINT DETAIL (SAWED JOINT)

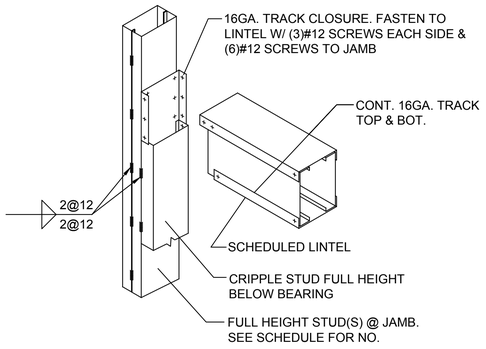


NOTE:
ALL WELDS SHALL BE MINIMUM 5/8"Ø PUDDLE WELDS.

TYPICAL ROOF DECK WELDING REQUIREMENTS
NO SCALE



TYPICAL JOIST WHERE LOAD IS
ADDED @ OTHER THAN PANEL POINT



TYPICAL LINTEL DETAIL AT
STEEL STUD WALLS

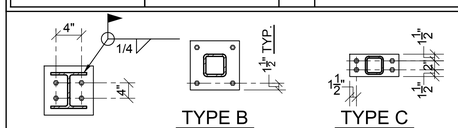
FOOTING SCHEDULE

MARK	SIZE	DEPTH	REINFORCING
A	9'-0" x 9'-0"	18"	(12)#5 EA. WAY TOP (12)#5 EA. WAY BOTTOM
B	8'-0" x 8'-0"	16"	(10)#5 EA. WAY TOP (10)#5 EA. WAY BOTTOM
C	7'-0" x 7'-0"	14"	(8)#5 EA. WAY TOP (8)#5 EA. WAY BOTTOM

* =PROVIDE 180° HOOK EACH END ALL BARS.

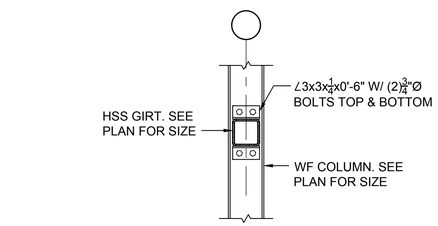
BEARING & BASE PLATE SCHEDULE

MARK	BASE PL SIZE	PL TYPE	ANCHOR BOLT NO. & SIZE
BP-1	1"x11"x11"	A	(4)3/4"Øx16" HEADED
BP-2	3/4"x10"x10"	B	(4)3/4"Øx16" HEADED
BP-3	1"x15"x15"	A	(4)3/4"Øx16" HEADED
BP-4	3/4"x5"x10"	C	(4)3/4"Øx16" HEADED



BASE PLATE TYPES

NOTE:
ALL ANCHOR BOLTS SHALL BE GRADE 55KSI STEEL, HEADED ANCHOR BOLTS



TYPICAL SUSPENDED CANOPY SUPPORT DETAIL

TYPICAL HSS GIRT TO COLUMN DETAIL

GENERAL NOTES

FOUNDATION:
1. THE BEARING STRATA OF ALL FOOTINGS AND GRADE BEAMS SHALL BE INSPECTED AND APPROVED BY THE SOILS TESTING LABORATORY PRIOR TO PLACING THE REINFORCING STEEL AND CONCRETE.
2. ALL FOOTINGS SHALL BEAR ON AN UNDISTURBED SOIL STRATA OR COMPACTED FILL CAPABLE OF SUSTAINING THE LOADS.
3. FOOTINGS WERE DESIGNED FOR AN ALLOWABLE SOIL BEARING OF P = 2500 PSF. THE TESTING AGENCY SHALL VERIFY THAT THE SOILS ARE CAPABLE OF SUSTAINING 2000 PSF PRIOR TO CONCRETE PLACEMENT.
4. ELEVATIONS SHOWN ON PLAN ARE TOP OF FOOTINGS AND ARE MINIMUM DEPTH. DIFFERENT OR UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT AND/OR ENGINEER.
5. ALL FOOTING REINFORCEMENT SHALL BE HELD SECURELY FROM THE GROUND. CONCRETE BLOCK AND BROKEN TILE SHALL NOT BE USED. CONCRETE OR CLAY BRICK MAY BE USED.
6. DOWEL ALL FOOTINGS AND WALLS WHERE THEY ABUT WITH SAME STEEL AS VERTICAL.
7. PROVIDE PREFORMED EXPANSION JOINT WHERE SHOWN.
8. IN FOOTINGS PROVIDE CORNER BARS AT ALL EXTERIOR BUILDING CORNERS.
9. DO NOT BACK FILL BEHIND FOUNDATION WALLS UNTIL TOP AND BOTTOM SLABS HAVE BEEN POURED AND ATTAINED THEIR DESIGN STRENGTHS.
10. BACK FILL BOTH SIDES OF FOUNDATION WALLS AT SAME TIME TO PREVENT OVERTURNING.
11. BACK FILL BEHIND ALL RETAINING WALLS AND BASEMENT WALLS SHALL BE AN APPROVED GRANULAR MATERIAL.

CONCRETE:
1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF F'c = 4000 PSI AND A MAXIMUM WATER-CEMENT RATIO OF 0.53. ALL CONCRETE FOR EXTERIOR APPLICATIONS SHALL CONTAIN ENTRAINED AIR.
2. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
4. UNLESS NOTED OTHERWISE PROTECTIVE COVERING OF REINFORCEMENT SHALL BE AS FOLLOWS (SEE DETAILS) : FOOTINGS AND GRADE BEAMS 3" CLEAR BOTTOM AND SIDES, 1 1/2" CLEAR TOP. CONCRETE SLABS 3/4" CLEAR. WALLS 1 1/2" CLEAR SIDES. BEAMS 1 1/2" CLEAR TO STIRRUPS. CONCRETE COLUMNS 1 1/2" CLEAR TO TIES.
5. LAP ALL CONCRETE WALL VERTICAL REINFORCING AND CONCRETE BEAM HORIZONTAL REINFORCING WITH CLASS B LAP SPLICES. LAP ALL OTHER CONTINUOUS BARS WITH CLASS A SPLICES UNLESS NOTED OTHERWISE.
6. PLACING PLANS AND DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST "A.C.I. DETAILING MANUAL".
7. STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR THE ARCHITECT AND/OR ENGINEER'S REVIEW.
8. DO NOT RUN CONDUITS, RACEWAYS, OR PIPES IN CONCRETE SLABS, BEAMS, OR COLUMNS WITHOUT SPECIFIC APPROVAL FROM BLACKBURN DANIELS O'BARR.

STRUCTURAL STEEL:
1. ALL STRUCTURAL STEEL W AND WT SHAPES SHALL CONFORM TO ASTM A992 (GRADE 50). OTHER SHAPES SHALL CONFORM TO ASTM, A36, LATEST EDITION (EXCEPT STEEL JOISTS AND TUBE SECTIONS).
2. STRUCTURAL STEEL TUBE SECTIONS SHALL CONFORM TO ASTM A500, GRADE B, Fy = 46.0 KSI.
3. HEADED STUDS SHALL BE TYPE B SHEAR CONNECTORS (Fu = 65 KSI).
4. STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR THE ARCHITECT AND/OR ENGINEER'S REVIEW.
5. THE CONTRACTOR SHALL VERIFY ALL SH0P DRAWINGS DIMENSIONS WITH STRUCTURAL AND ARCHITECTURAL PLANS AND DETAILS.
6. BOLTED CONNECTIONS SHALL BE MADE WITH HIGH STRENGTH BOLTS CONFORMING TO ASTM A325. USE 3/4 INCH DIAMETER MINIMUM. UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE TIGHTENED AS FULLY PRETENSIONED BEARING CONNECTIONS.
7. CONNECTIONS NOT SHOWN ON DRAWINGS SHALL BE DESIGNED BY THE FABRICATOR. WHERE POSSIBLE USE DOUBLE ANGLE CONNECTIONS. USE MAXIMUM NUMBER OF BOLTS FOR DEPTH OF BEAM WITH SINGLE ROW OF BOLTS. WHERE DOUBLE ANGLE CONNECTIONS ARE NOT POSSIBLE, FABRICATOR SHALL DESIGN CONNECTION FOR CAPACITY EQUIVALENT TO DBL-ANGLE CONNECTION WITH MAX NO. BOLTS UNLESS DETAILED OTHERWISE.
8. FOR DBL-ANGLE CONNECTIONS, MIN ANGLE THICKNESS SHALL BE 5/16" FOR 3/4 INCH DIAMETER BOLTS AND 3/8" FOR 7/8 INCH DIAMETER BOLTS AND LARGER.
9. UNLESS SHOWN OTHERWISE PROVIDE 1/2 X 7 1/2 X 7 1/2 BEARING PLATES ON 1 INCH GROUT WITH 2-3/4" DIAMETER ANCHOR BOLTS UNDER ALL STEEL BEAMS THAT BEAR ON MASONRY WALLS.
10. OPEN WEB STEEL JOIST SHALL CONFORM TO THE SPECIFICATIONS OF THE AISC AND SJI AND TO THE LATEST OSHA STEEL ERECTION STANDARD.
11. UNLESS SHOWN OTHERWISE PROVIDE BRIDGING, BEARING SEATS, AND STABILIZER PLATES IN ACCORDANCE WITH ABOVE SPECIFICATIONS AND STANDARD.
12. ALL BRIDGING SHALL BE SECURELY ANCHORED AT END OF EACH RUN. WELD TO STEEL BEAM OR ANCHOR TO MASONRY WALL WITH 3/8 " ANCHOR BOLTS.
13. WHERE JOISTS CAN NOT BEAR 2 1/2 INCHES ON STEEL BEAMS, STAGGER LOCATION OF JOISTS TO PROVIDE 2 1/2 INCHES MINIMUM BEARING.
14. ROOF JOISTS AND BRIDGING SHALL BE DESIGNED FOR A NET UPLIFT OF 15 PSF. SHELTER ROOF JOISTS SHALL HAVE A MINIMUM TOP CHORD THICKNESS OF 1/4"
15. PROVIDE 3/4" x 5" (AFTER WELDING) HEADED STUD SHEAR CONNECTORS WHERE INDICATED ON PLAN. STUDS SHALL BE WELDED THROUGH STEEL DECK AND SHALL BE SPACED UNIFORMLY ALONG BEAM BETWEEN INTERSECTING BEAMS. FOR SINGLE ROW OF STUDS, STUDS SHALL BE LOCATED OVER CENTERLINE (WEB) OF BEAM AND SHALL NOT BE SPACED CLOSER THAN 6". PROVIDE TWO ROWS CENTERED OVER WEB OF BEAM WHEN LONGITUDINAL SPACING WOULD BE LESS THAN 6". SPACE STUDS 3" O.C. PERPENDICULAR TO BEAM FLANGE WHERE DOUBLE ROW REQUIRED. STEEL DECK MANUFACTURER SHALL SHOW STUD SPACING AND LAY OUT ON STEEL DECK SHOP DRAWINGS.
16. ANY MEMBER CALLED OUT TO BE BENT TO RADIUS SHALL BE FABRICATED OUT OF PLATE WITH EQUIVALENT SECTION PROPERTIES IF BENDING TO RADIUS IS IMPRACTCAL.

CODES:
ALL PARTS SHALL BE FURNISHED AND ERECTED ACCORDING TO THE APPLICABLE CODES AND SPECIFICATIONS OF THE FOLLOWING:
AMERICAN CONCRETE INSTITUTE (ACI)
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
AMERICAN WELDING SOCIETY (AWS)
OSHA STEEL ERECTION STANDARD (OSHA)
STEEL JOIST INSTITUTE (SJI)
INTERNATIONAL BUILDING CODE (IBC 2015) (ICC)

DESIGN LIVE LOADS:
ROOF.....20 PSF.
FLOOR.....100PSF.
RISK CATEGORY (PER IBC 2015/ASCE 7-10).....III
WIND.....INTERNATIONAL BUILDING CODE (PER ASCE 7-10)
ULTIMATE DESIGN WIND SPEED (Vult).....115 MPH
NOMINAL DESIGN WIND SPEED (Vasd).....90 MPH
WIND EXPOSURE.....C
INTERNAL PRESSURE COEFFICIENTS.....+/-0.18
SEISMIC....INTERNATIONAL BUILDING CODE (PER ASCE 7-10)
SEISMIC IMPORTANCE FACTOR.....Ie=1.25
MAPPED SPECTRAL ACCELERATION (SHORT-TERM).Ss=0.18
MAPPED SPECTRAL ACCELERATION (1-SECOND)...S1=0.07
SITE CLASS.....D
SHORT-PERIOD SPECTRAL RESPONSE ACCEL.....Sds=0.192g
1-SECOND SPECTRAL RESPONSE ACCEL.....Sd1=0.112g
SEISMIC DESIGN CATEGORY.....B
SEISMIC FORCE-RESISTING SYSTEM.....CMU SHEAR WALLS
DESIGN BASE SHEAR (ULTIMATE).....100K
SEISMIC RESPONSE COEFFICIENT.....Cs=0.08
RESPONSE MODIFICATION FACTOR.....R=3
ANALYSIS PROCEDURE.....ASCE 7 (SECT 12.8)

SNOW.....INTERNATIONAL BUILDING CODE
GROUND SNOW LOAD.....Pg=5 PSF

SEISMIC REQUIREMENTS FOR SPECIAL INSPECTIONS:
1. THE FOLLOWING STRUCTURAL COMPONENTS ARE DESIGNATED AS SEISMIC SYSTEMS AND/OR PART OF THE SEISMIC-FORCE-RESISTING SYSTEM OF THE BUILDING AND ARE SUBJECT TO THE REQUIREMENTS OF SECTIONS 1705.12 AND 1705.13 OF IBC 2015 AND PROJECT SPECIFICATIONS:
X-BRACING
THESE SPECIFIC COMPONENTS ARE IN ADDTION TO ALL GENERAL COMPONENTS LISTED IN SECTIONS 1705.12 AND 1705.13 OF IBC 2015 AND ARE SUBJECT TO ALL SPECIAL INSPECTIONS AND TESTING AS REQUIRED BY CHAPTER 17 OF IBC 2015, PROJECT SPECIFICATIONS, AND SCHEDULE OF SPECIAL INSPECTIONS. SPECIAL INSPECTION REPORTS SHALL BE SUBMITTED AS PER THE STATEMENT OF SPECIAL INSPECTIONS.
2. OTHER ARCHITECTURAL, MECHANICAL, OR ELECTRICAL COMPONENTS AND THEIR ANCHORAGES MAY ALSO BE DESIGNATED AS SEISMIC SYSTEMS. SEE OTHER DISCIPLINE'S DRAWINGS AND SPECIFICATIONS.

WIND REQUIREMENTS FOR SPECIAL INSPECTIONS:
1. THE FOLLOWING STRUCTURAL COMPONENTS ARE DESIGNATED AS WIND SYSTEMS AND/OR PART OF THE MAIN WINDFORCE-RESISTING SYSTEM OF THE BUILDING AND ARE SUBJECT TO THE REQUIREMENTS OF SECTION 1705.11 OF IBC 2015 AND PROJECT SPECIFICATIONS:
ROOF DIAPHRAGM SYSTEM AND ATTACHMENT
JOIST CONNECTIONS
THESE SPECIFIC COMPONENTS ARE IN ADDTION TO ALL GENERAL COMPONENTS LISTED IN SECTION 1705.11 OF IBC 2015 AND ARE SUBJECT TO ALL SPECIAL INSPECTIONS AND TESTING AS REQUIRED BY CHAPTER 17 OF IBC 2015, PROJECT SPECIFICATIONS, AND SCHEDULE OF SPECIAL INSPECTIONS. SPECIAL INSPECTION REPORTS SHALL BE SUBMITTED AS PER THE STATEMENT OF SPECIAL INSPECTIONS.
2. OTHER ARCHITECTURAL COMPONENTS AND THEIR ANCHORAGES MAY ALSO BE DESIGNATED AS WIND-RESISTING COMPONENTS. SEE OTHER DISCIPLINE'S DRAWINGS AND SPECIFICATIONS.

BASEMENT SHORING NOTES:
1. THE CONTRACTOR SHALL ANTICIPATE, AT MINIMUM, THE INSTALLATION OF SHORING WALLS AS INDICATED ON THE PLANS TO ALLOW FOR THE BASEMENT CONSTRUCTION. THIS IS DUE TO THE PROXIMITY TO THE ADJACENT UTILITIES, TREES,STREETS, STRUCTURES, ETC. THAT MUST NOT BE DISTURBED/DAMAGED DURING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY REPAIR ANY SUCH DAMAGE AS DIRECTED BY THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE PROJECT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL ADDITIONAL SHORING, EXCAVATION, ETC. NECESSARY TO COMPLETE THE PROJECT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DESIGN, INSTALLATION, MAINTENANCE SAFETY BARRIERS, EGRESS POURS, ETC. REQUIRED AS PART OF THE SHORING.
4. EXCAVATION SHORING MUST BE DESIGNED WITHOUT THE USE OF TIEBACKS.
5. EXCAVATION SHORING WILL BE ALLOWED TO REMAIN IN PLACE PERMANENTLY. IF SHORING IS TO REMAIN IN PLACE, CONTRACTOR SHALL DESIGN SHORING SUCH THAT THE TOP 6 FEET CAN BE CUT OFF AFTER BACKFILL HAS BEEN PLACED.

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No.	Revision	Date
-	-	-

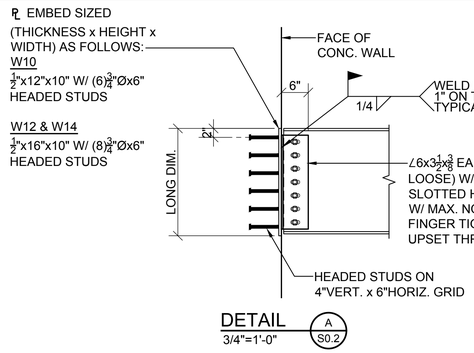
ALABAMA LICENSED No. 30036 PROFESSIONAL ENGINEER JACK W. DANIELS
06-14-17

Project Number: 2016-111
Drawn By:
BARGANIER DAVIS SIMS

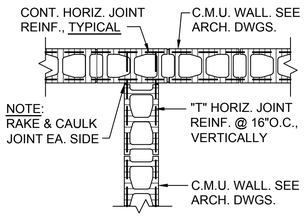
GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
GENERAL NOTES
SCHEDULES
TYPICAL DETAILS

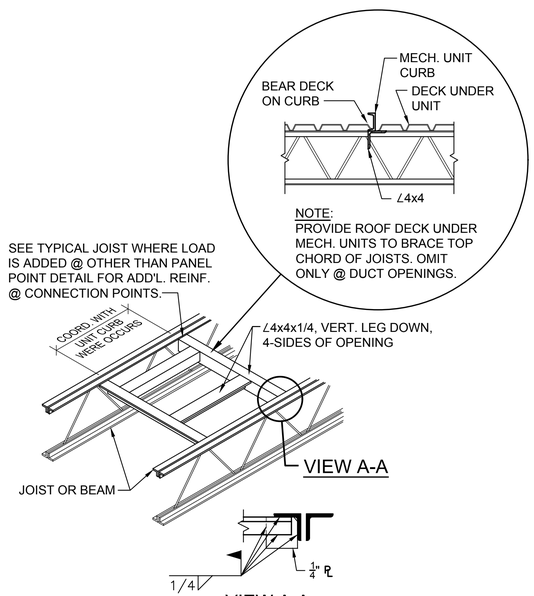
DRAWN BY: Casey
CHECKED BY: JWD
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 16-111
SHEET NUMBER: S0.1



DETAIL A 3/4"=1'-0" S0.2



TYPICAL DETAIL AT WALL INTERSECTION

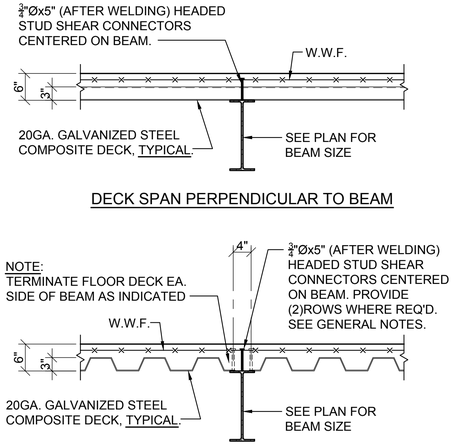


VIEW A-A

VIEW A-A

NOTE:
PROVIDE FRAMING AROUND ALL ROOF OPENINGS LARGER THAN 10"x10" OR 10"Ø. SEE ARCH. & MECH. DWGS. OPENING LOCATIONS & SIZE OF MECH. UNITS ON THESE DWGS. ARE FOR DIAGRAMMATIC PURPOSES ONLY. CONTRACTOR SHALL VERIFY SIZE & LOCATION OF ALL OPENINGS W/ EQUIPMENT ACTUALLY ORDERED PRIOR TO FRAMING OPENINGS.

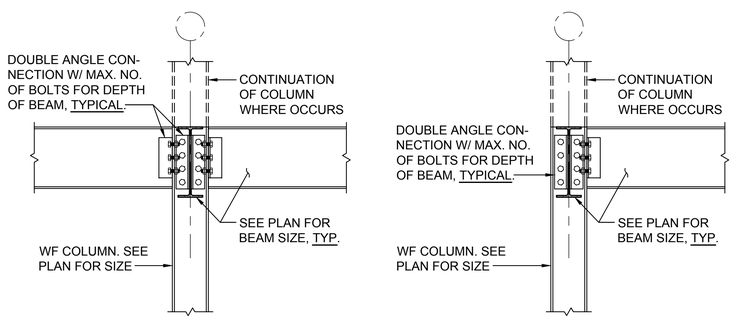
TYPICAL ROOF OPENING FRAMING DETAIL



DECK SPAN PERPENDICULAR TO BEAM

DECK SPAN PARALLEL TO BEAM

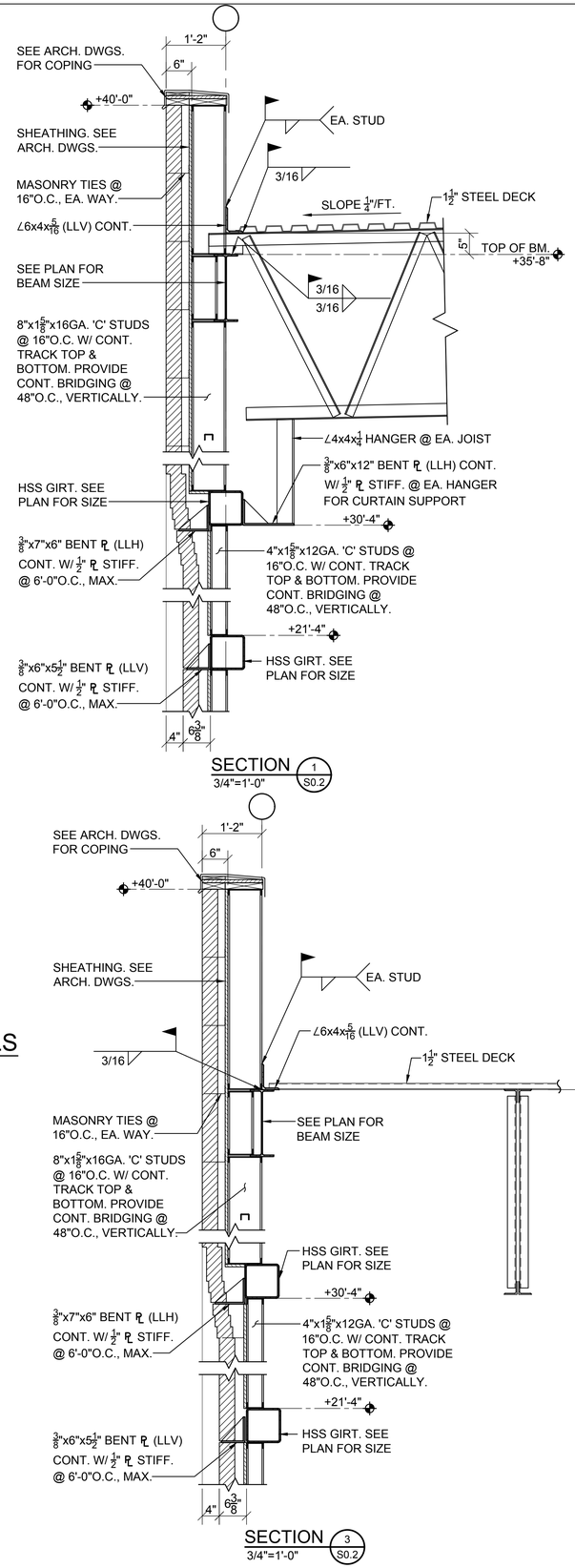
TYPICAL COMPOSITE FLOOR SLAB DETAILS



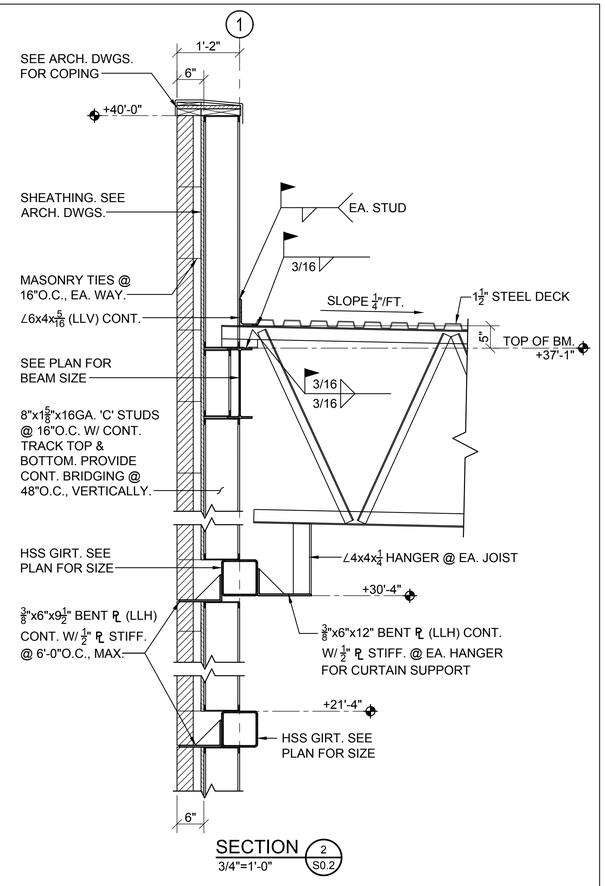
WF BEAMS IN SERIES

WF BEAMS @ 90°

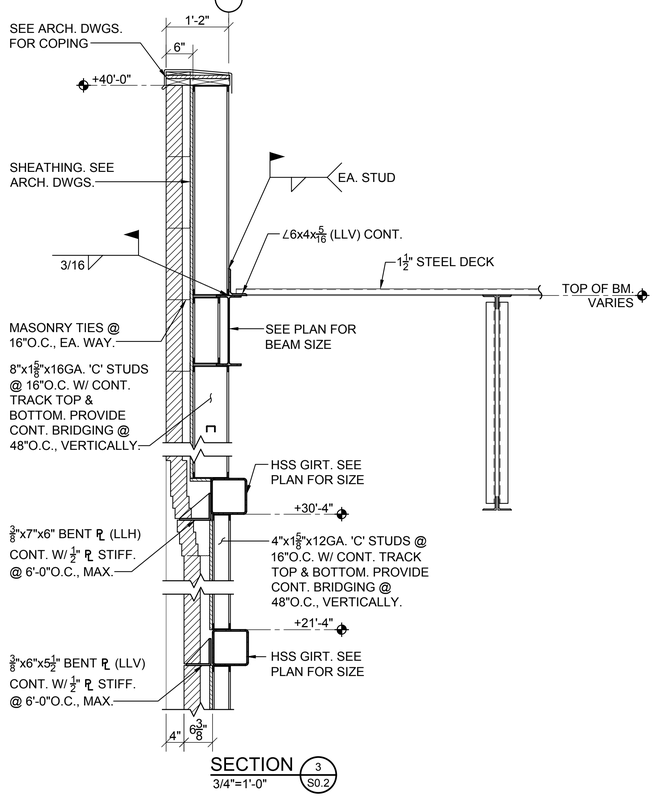
TYPICAL WF BEAM TO WF COLUMN CONNECTION DETAILS



SECTION 1 3/4"=1'-0" S0.2



SECTION 2 3/4"=1'-0" S0.2



SECTION 3 3/4"=1'-0" S0.2

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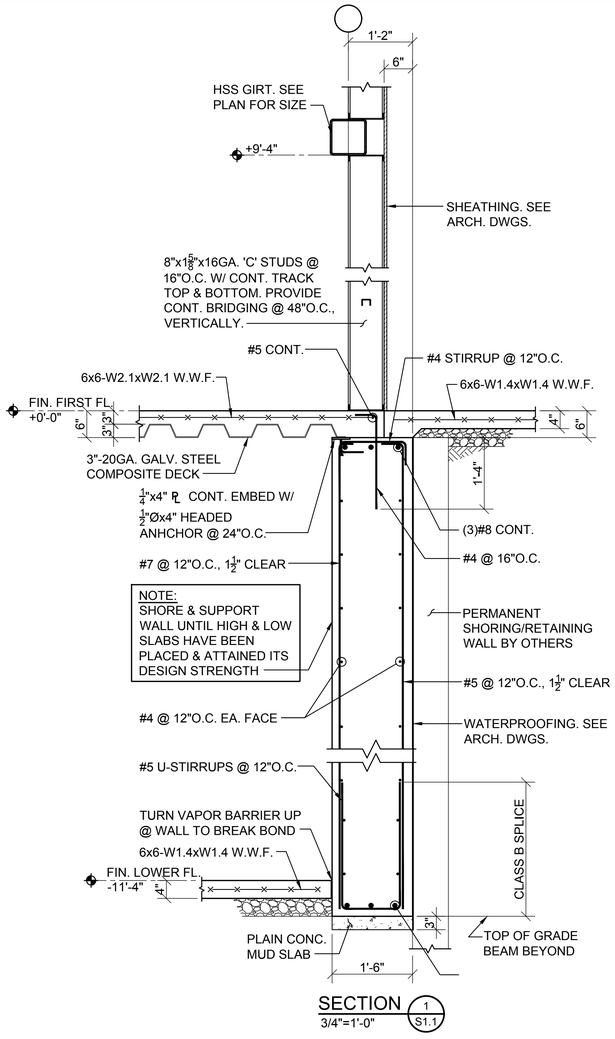
ALABAMA LICENSED No. 30036 PROFESSIONAL ENGINEER J. W. DANIELS
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Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

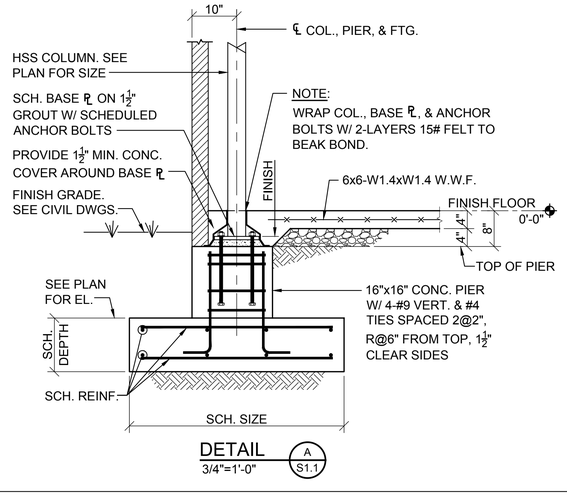
GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE: TYPICAL DETAILS

DRAWN BY: Casey
CHECKED BY: JWD
DATE: 6—14—2017
FILE NUMBER: —
PROJECT NUMBER: 16—111
SHEET NUMBER: S0.2



SECTION 1 / S1.1
3/4"=1'-0"



DETAIL A / S1.1
3/4"=1'-0"

FLOOR CONSTRUCTION

4" THICK CONCRETE SLAB W/ 6x6-W1.4xW1.4 W.W.F. OVER VAPOR BARRIER OVER 4" POROUS FILL.
FINISH FLOOR EL.= 672'-8" (-11'-4")

NOTE:
UNLESS NOTED OTHERWISE, TOP OF FOOTING EL.=670'-8"(-2'-0")

LOWER FLOOR & FOUNDATION PLAN

SCALE: 1/8"=1'-0"

CONTRACTOR NOTE:
SHORE AND SUPPORT EXISTING BUILDING FOUNDATIONS AS REQUIRED TO INSTALL PERMANENT RETAINING WALL TO BE DESIGNED BY OTHERS. ALL SHORING & PERMANENT RETAINING WALL DESIGN SHALL BE STAMPED BY AN ENGINEER REGISTERED IN THE STATE OF ALABAMA & SHALL BE SUBMITTED FOR REVIEW. THE LOCATION OF SHORING ILLUSTRATED ON THIS DRAWING IS DIAGRAMMATIC ONLY. THE ILLUSTRATION, ORIENTATION, LIMITS, ETC. OF THE BASEMENT EXCAVATION AND / OR SHORING SHALL BE AS REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT, INCLUDING ALL FOOTINGS, FOUNDATIONS, ETC. BASED ON THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES AND SEQUENCES AT NO ADDITIONAL COST TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION RAMPS, SLOPES, SHORING, ETC. AS NECESSARY TO COMPLETE THE CONSTRUCTION. CONTRACTOR TO DETERMINE EXACT LOCATION AND COORDINATE WITH DESIGN TEAM.

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No.	Revision	Date
-	-	-

ALABAMA LICENSED No. 30036 PROFESSIONAL ENGINEER JACK W. DANIELS
06-14-17

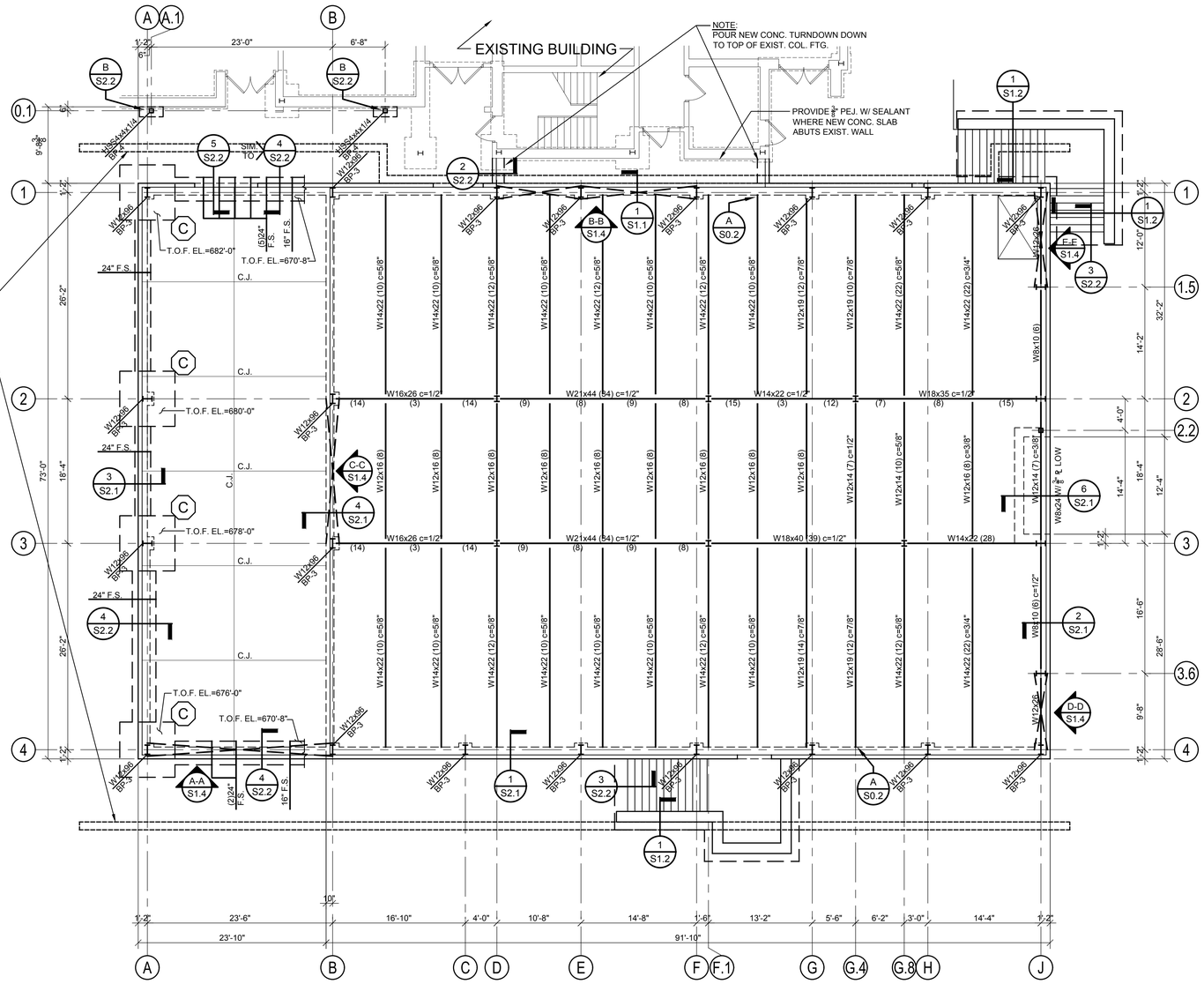
Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
LOWER FLOOR & FOUNDATION PLAN

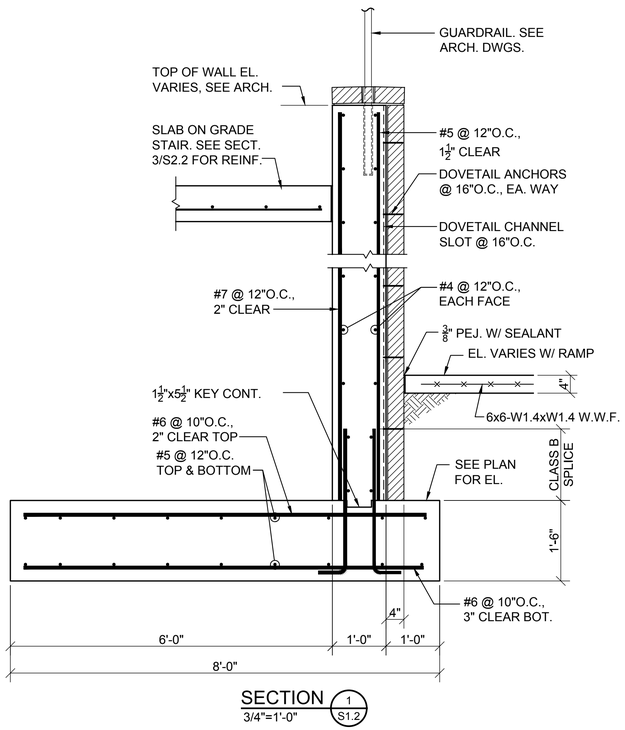
DRAWN BY: Casey
CHECKED BY: JWD
DATE: 6–14–2017
FILE NUMBER: –
PROJECT NUMBER: 16–111
SHEET NUMBER: S1.1
XX

CONTRACTOR NOTE:
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FIRST FLOOR FRAMING PLAN & PARTIAL FOUNDATION PLAN

SCALE: 1/8"=1'-0"



SECTION 1/S1.2
3/4"=1'-0"

NOTE:
NUMBERS SHOWN @ BEAMS ARE AS FOLLOWS:
BEAM SIZE — W16x26 C=1/2" — REQ'D. CAMBER IN INCHES @ MID SPAN OF BEAM.
(24) — NUMBER OF 3/4"Øx5" (AFTER WELDING) HEADED SHEAR STUD CONNECTORS LOCATED BETWEEN INTERSECTING BEAMS. SEE GENERAL NOTES ON SHEET S0.1 FOR ADDITIONAL INFORMATION.

SECOND FLOOR CONSTRUCTION
3" THICK NORMAL WEIGHT CONCRETE SLAB W/ 6x6-W2.1xW2.1 W.W.F. 3/4" CLEAR TOP, OVER 3" DEEP 20GA. COMPOSITE STEEL DECK, (6" TOTAL THICKNESS), W/ THE FOLLOWING MIN. SECTION PROPERTIES:
S=0.55 IN.^{3} I=0.94 IN.^{4}
FINISH FLOOR EL.= 684'-0" (+0'-0")
NOTE:
6"± TOTAL SLAB THICKNESS SHALL BE MAINTAINED @ POINT OF MAXIMUM CAMBER. DO NOT REDUCE THICKNESS @ MID SPAN OF BEAMS BY MORE THAN 1/4"

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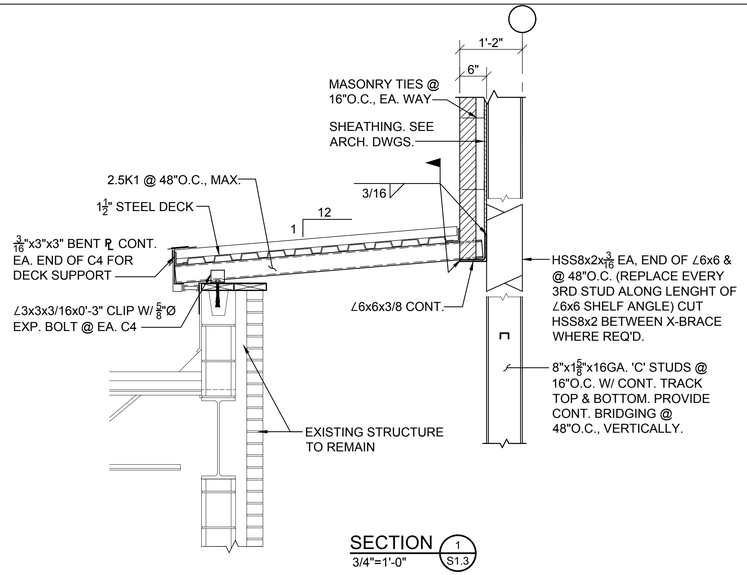
ALABAMA LICENSED No. 30036 PROFESSIONAL ENGINEER JACK W. DANIELS
06-14-17

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

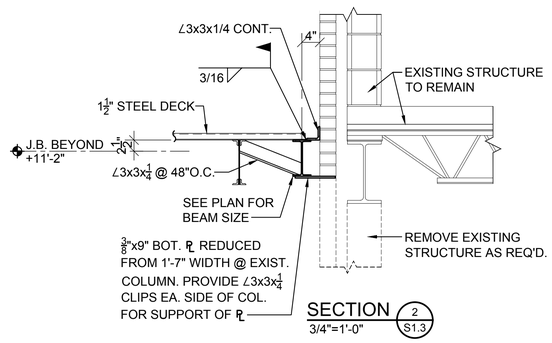
GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
FIRST FLOOR FRAMING & PARTIAL FOUNDATION PLAN

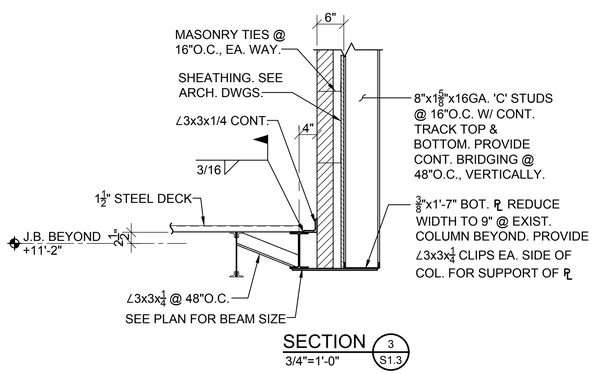
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CHECKED BY: JWD
DATE: 6-14-2017
FILE NUMBER: –
PROJECT NUMBER: 16-111
SHEET NUMBER: S1.2
XX



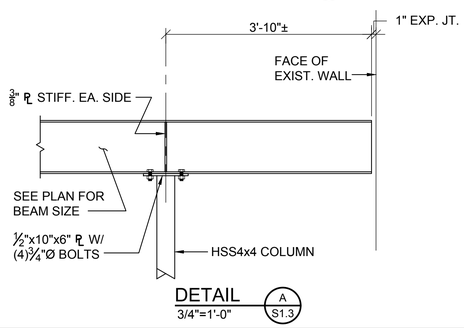
SECTION 1 S1.3
3/4"=1'-0"



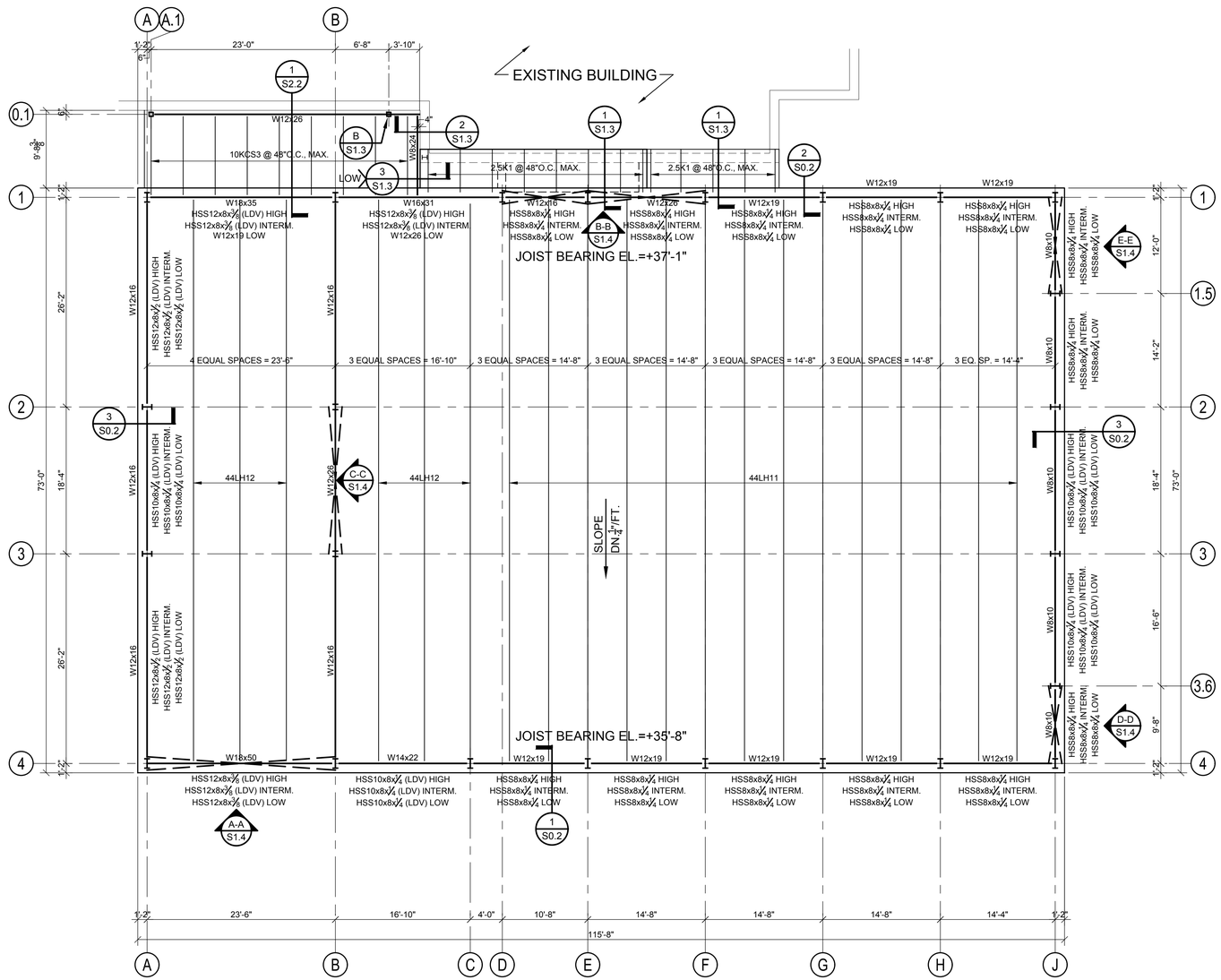
SECTION 2 S1.3
3/4"=1'-0"



SECTION 3 S1.3
3/4"=1'-0"



DETAIL A S1.3
3/4"=1'-0"



ROOF CONSTRUCTION

1½" DEEP, 22 GAGE, WIDE RIB STEEL DECK W/ THE FOLLOWING MINIMUM SECTION PROPERTIES PER FOOT OF WIDTH:
$S=0.19\ IN.^3$ $I_+=0.16\ IN.^4$ $I_-=0.18\ IN.^4$

ROOF FRAMING PLAN

SCALE: 1/8"=1'-0"

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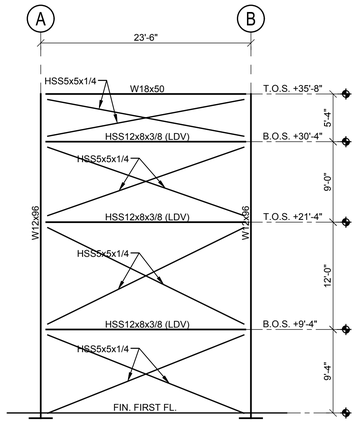
No.	Revision	Date
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ALABAMA LICENSED No. 30036 PROFESSIONAL ENGINEER JACK W. DANIELS
06-14-17

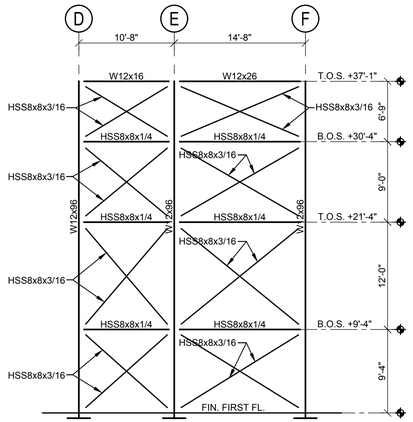
Project Number: 2016-111
Drawn By:
BARGANIER DAVIS SIMS

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

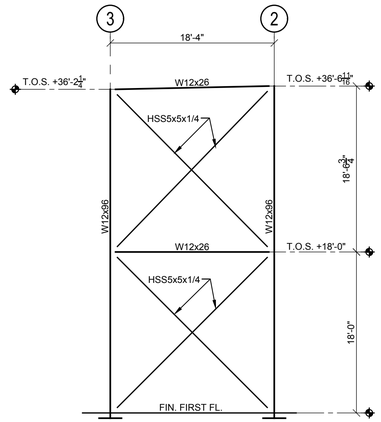
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DRAWN BY: Casey
CHECKED BY: JWD
DATE: 6-14-2017
FILE NUMBER: –
PROJECT NUMBER: 16-111
SHEET NUMBER: S1.3
XX



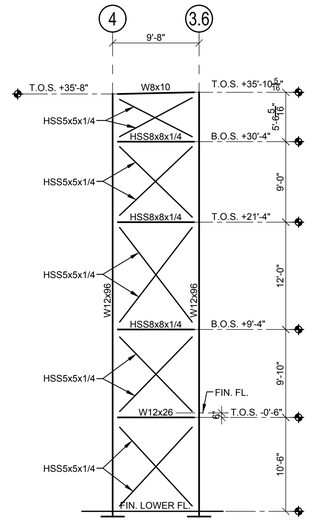
ELEVATION A-A



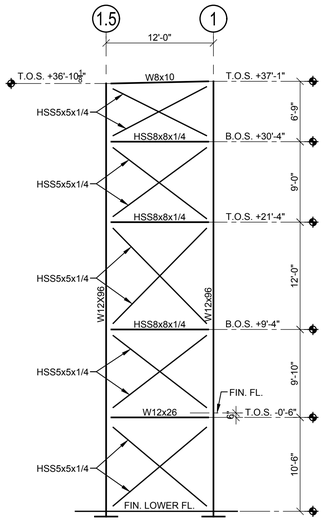
ELEVATION B-B



ELEVATION C-C

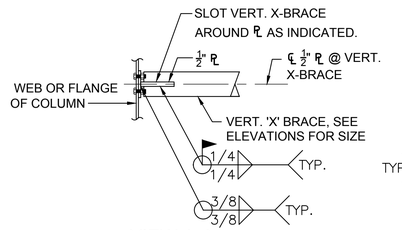


ELEVATION D-D

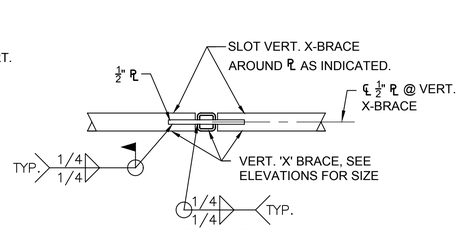


ELEVATION E-E

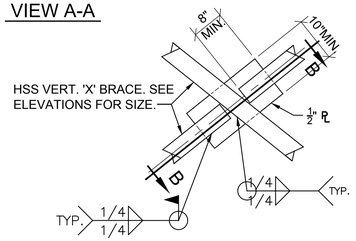
FRAMING ELEVATIONS



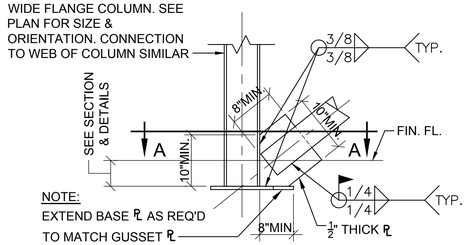
VIEW A-A



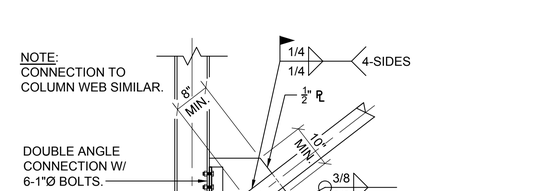
VIEW B-B



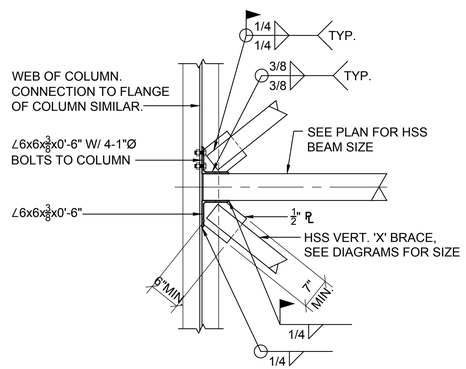
TYPICAL CONNECTION @ INTERSECTION OF 'X' BRACES



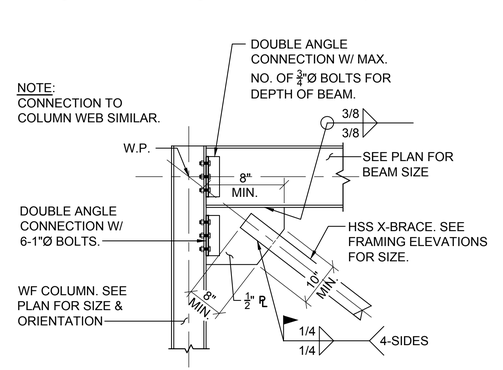
TYPICAL 'X' BRACE CONNECTION @ BASE OF COLUMN
(CONNECTION TO COLUMN WEB SIMILAR)



TYPICAL 'X' BRACE CONNECTION @ INTERMEDIATE WF BEAM
(CONNECTION @ TOP OF COLUMN & @ COLUMN WEB IS SIMILAR)



TYPICAL 'X' BRACE CONNECTION @ INTERMEDIATE HSS BEAM
(CONNECTION @ TOP OF COLUMN & @ COLUMN FLANGE IS SIMILAR)



TYPICAL 'X' BRACE CONNECTION @ INTERMEDIATE WF BEAM
(CONNECTION TO COLUMN WEB IS SIMILAR)

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ALABAMA LICENSED No. 30036 PROFESSIONAL ENGINEER JACK W. DANIELS
06-14-17

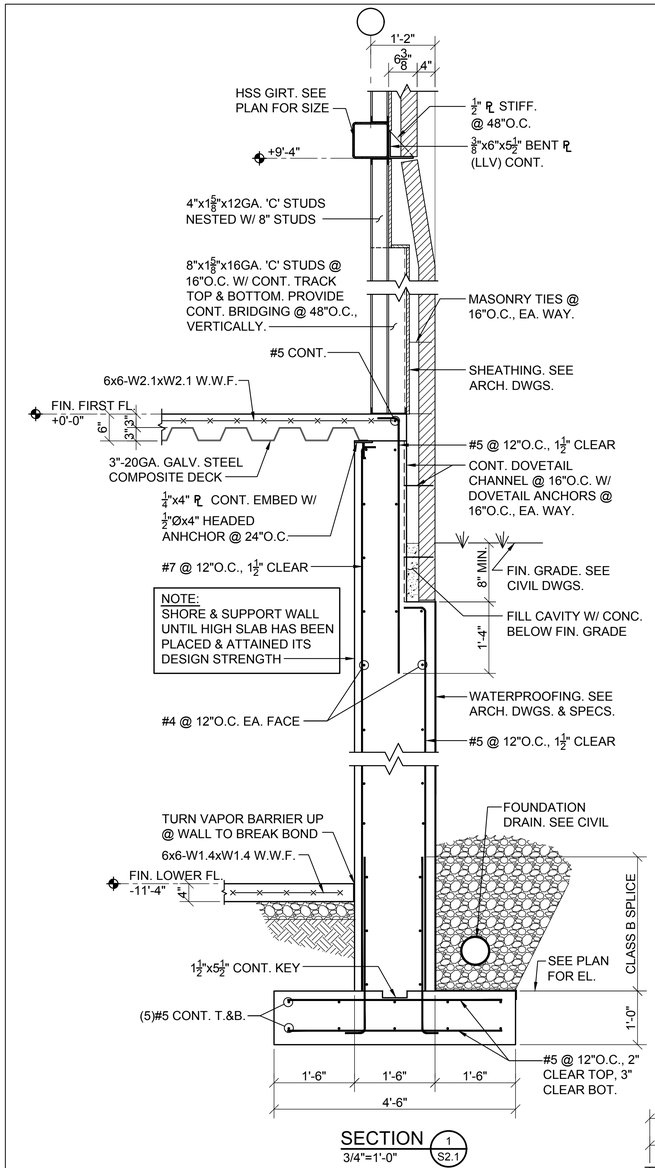
GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

Project Number: 2016-111
Drawn By:
BARGANIER DAVIS SIMS

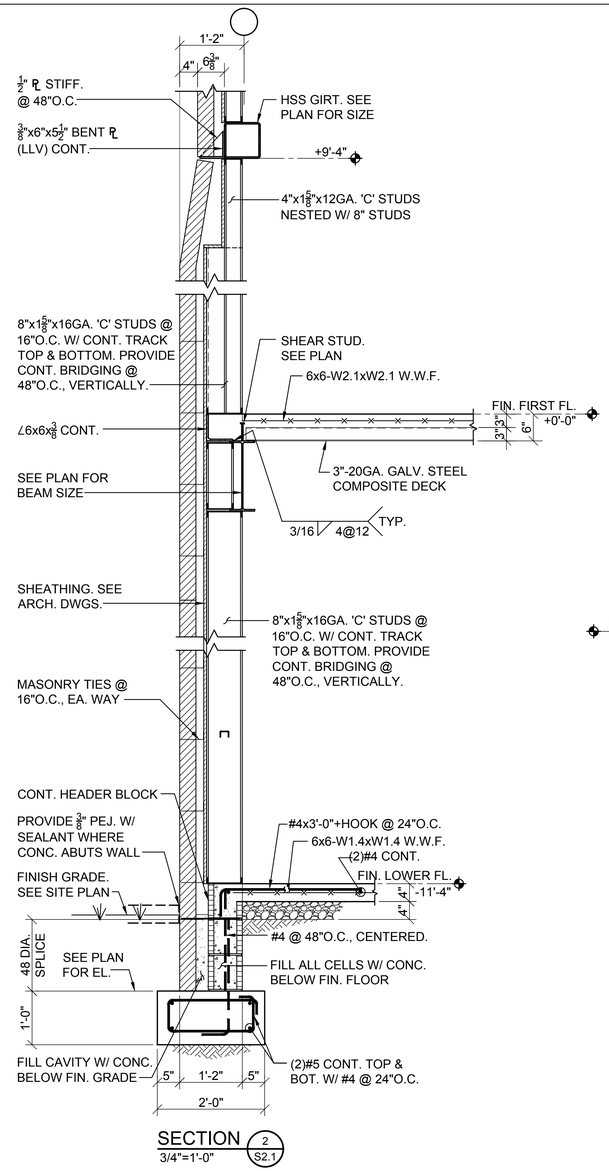
SHEET TITLE:
FRAMING ELEVATIONS AND DETAILS

DRAWN BY: Casey
CHECKED BY: JWD
DATE: 6-14-2017
FILE NUMBER: –
PROJECT NUMBER: 16-111

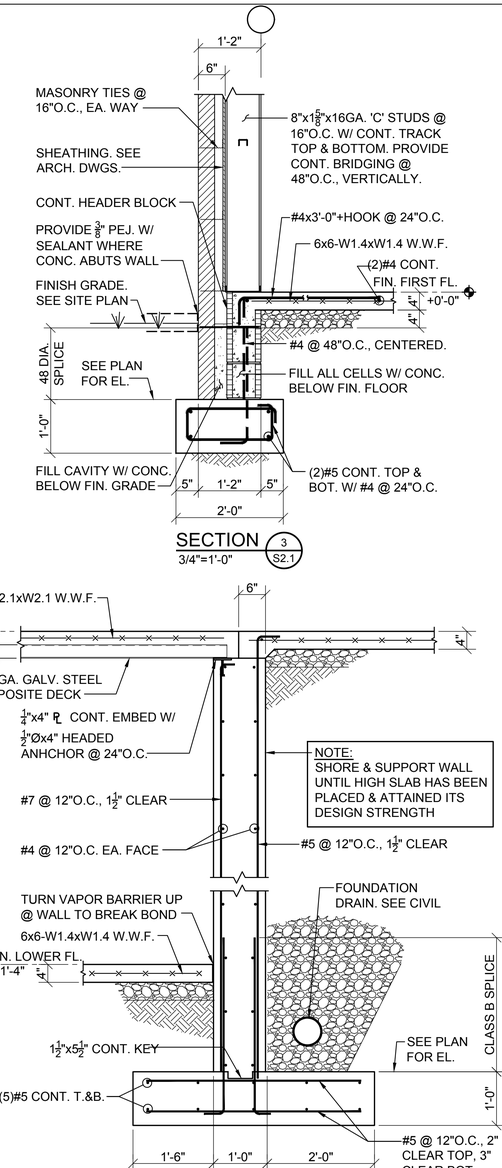
SHEET NUMBER:
S1.4
XX



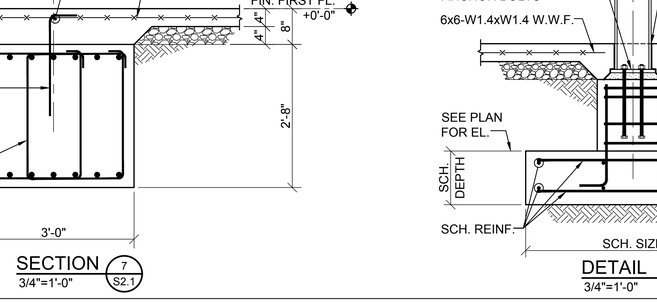
SECTION 1 S2.1
3/4"=1'-0"



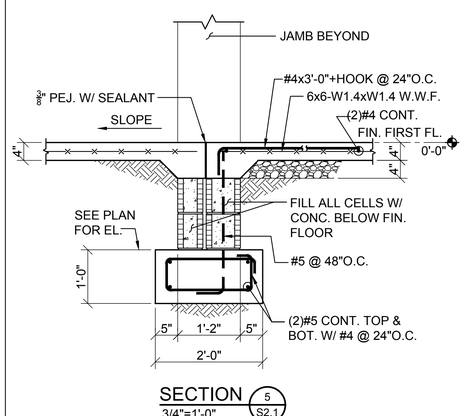
SECTION 2 S2.1
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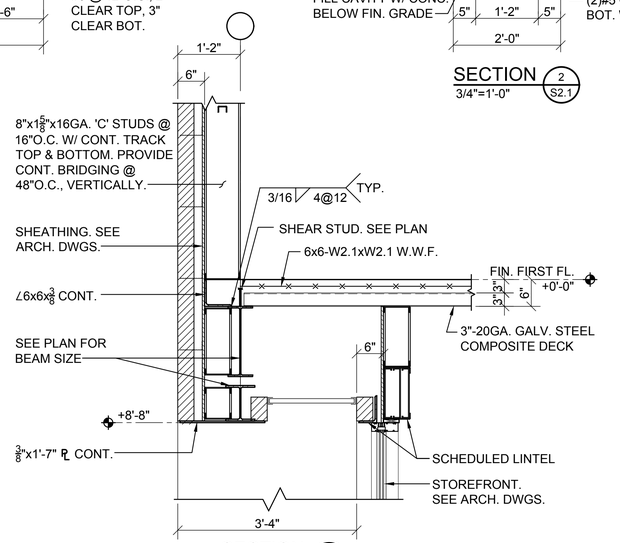
SECTION 3 S2.1
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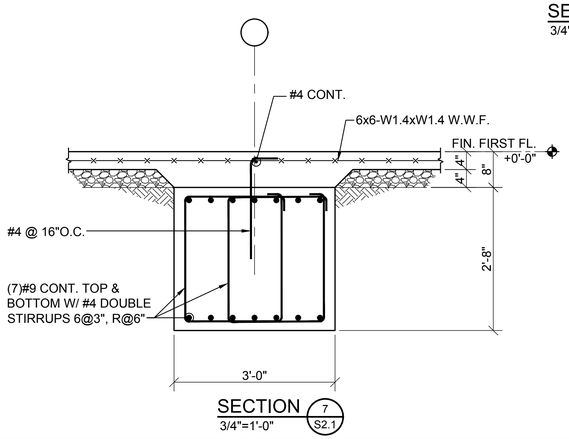
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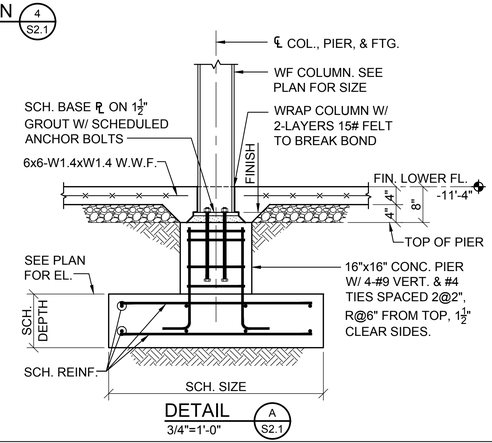
SECTION 5 S2.1
3/4"=1'-0"



SECTION 6 S2.1
3/4"=1'-0"



SECTION 7 S2.1
3/4"=1'-0"



DETAIL A S2.1
3/4"=1'-0"

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No.	Revision	Date
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ALABAMA LICENSED No. 30036 PROFESSIONAL ENGINEER JACK W. DANIELS

06-14-17

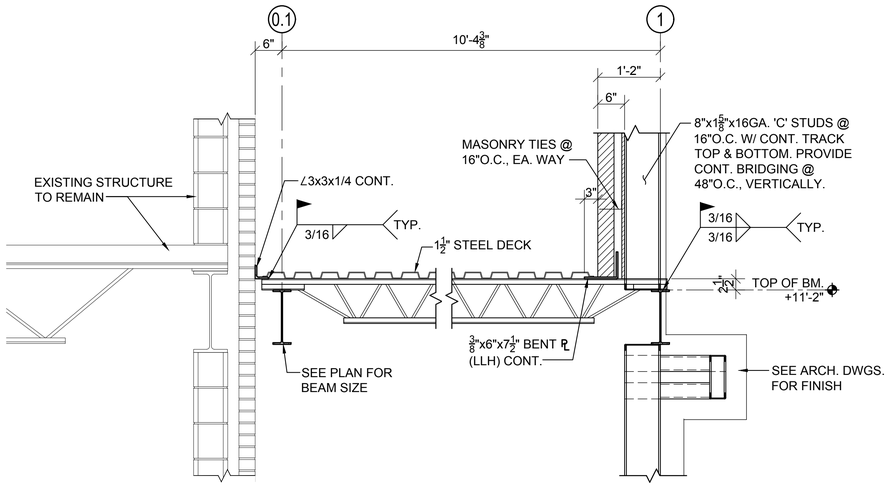
Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

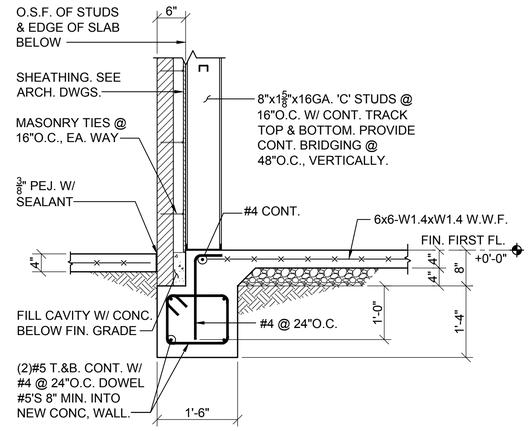
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SECTIONS AND DETAILS

DRAWN BY: Casey
CHECKED BY: JWD
DATE: 6–14–2017
FILE NUMBER: –
PROJECT NUMBER: 16–111

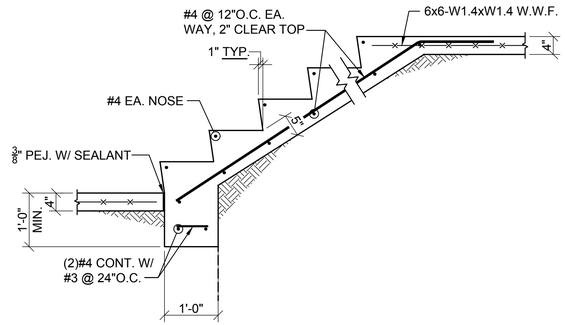
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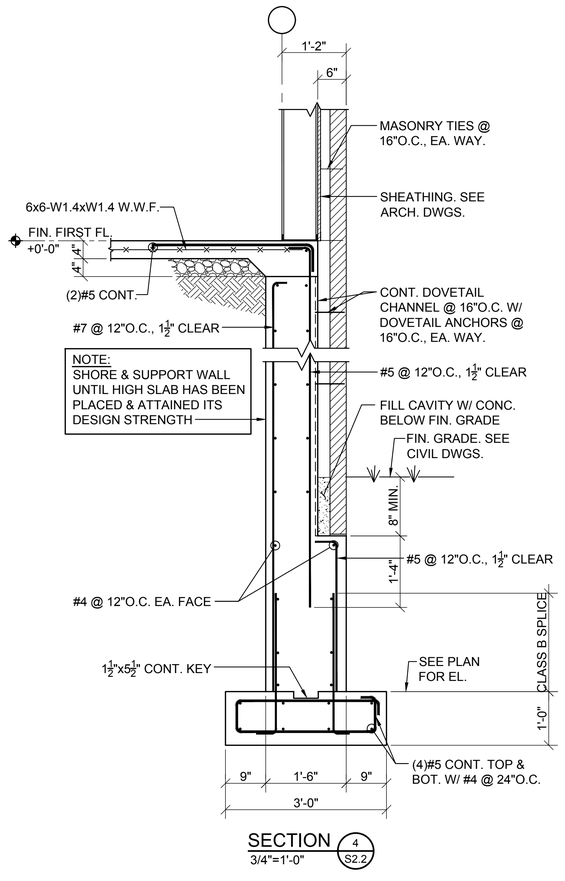
SECTION 1 S2.2
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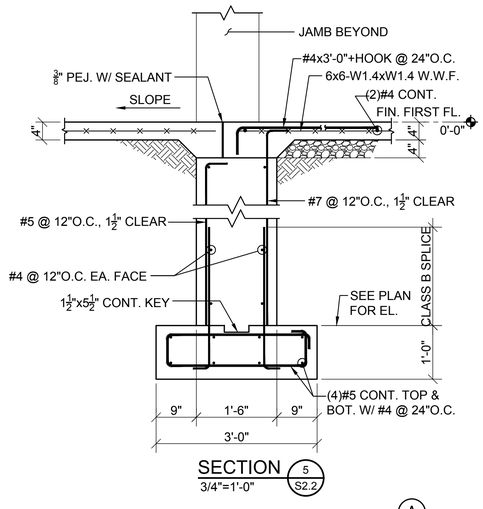
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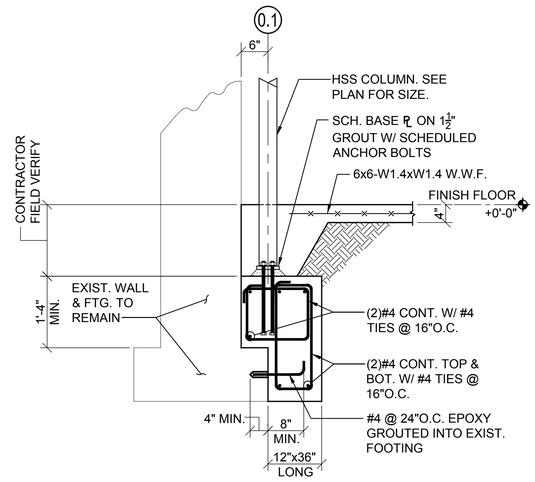
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3/4"=1'-0"



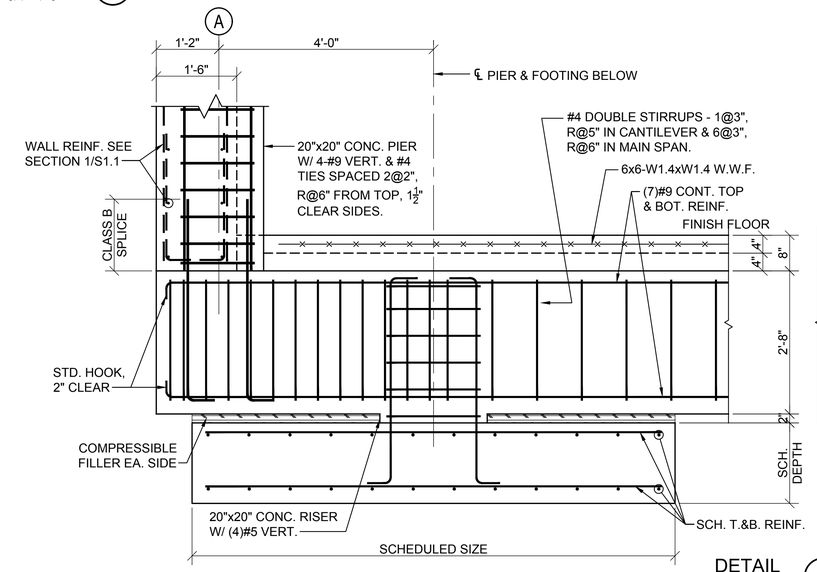
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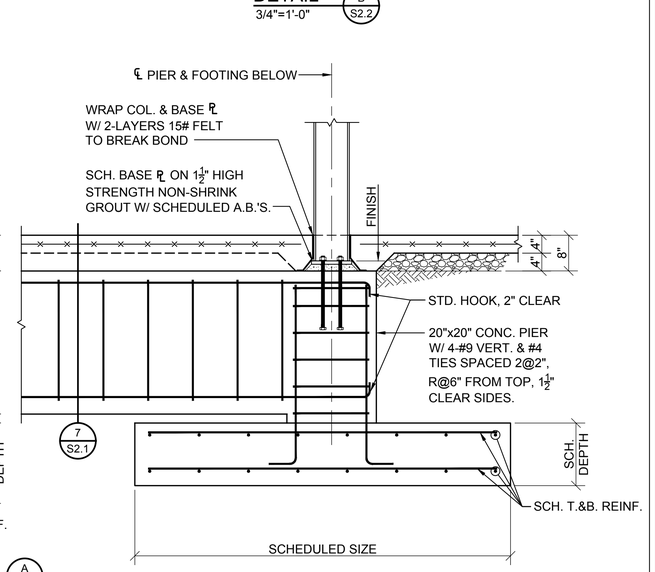
SECTION 5 S2.2
3/4"=1'-0"



DETAIL B S2.2
3/4"=1'-0"



DETAIL A S2.2
3/4"=1'-0"



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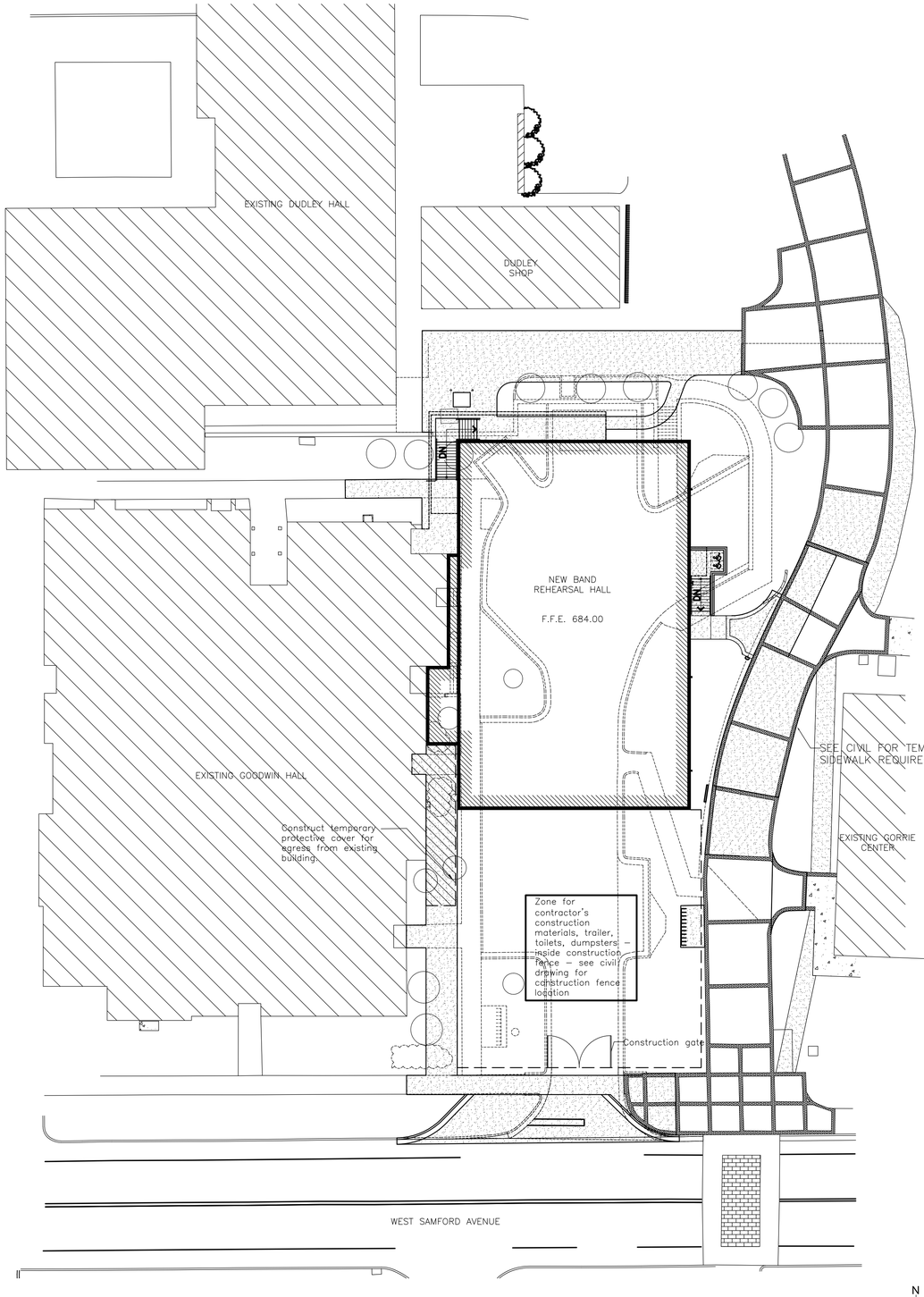
ALABAMA LICENSED No. 30036 PROFESSIONAL ENGINEER J. W. DANIELS
06-14-17

Project Number: 2016-111
Drawn By:
BARGANIER DAVIS SIMS

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

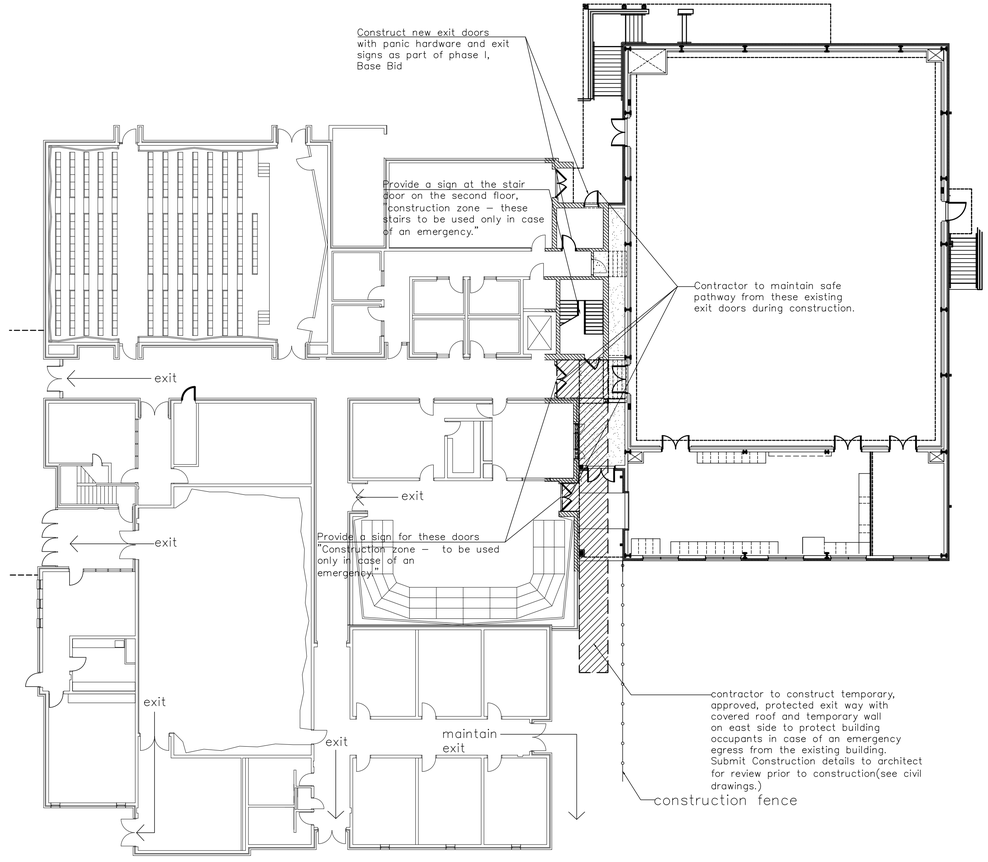
SHEET TITLE:
SECTIONS AND DETAILS

DRAWN BY: Casey
CHECKED BY: JWD
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 16-111
SHEET NUMBER: S2.2



SITE UTILIZATION PLAN

SCALE: 1" = 20'



EGRESS PLAN

SCALE: 1/16" = 1'

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-	-	-

STATE OF ALABAMA
REGISTERED ARCHITECTS
JAMES I. BARGANIER 1484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239

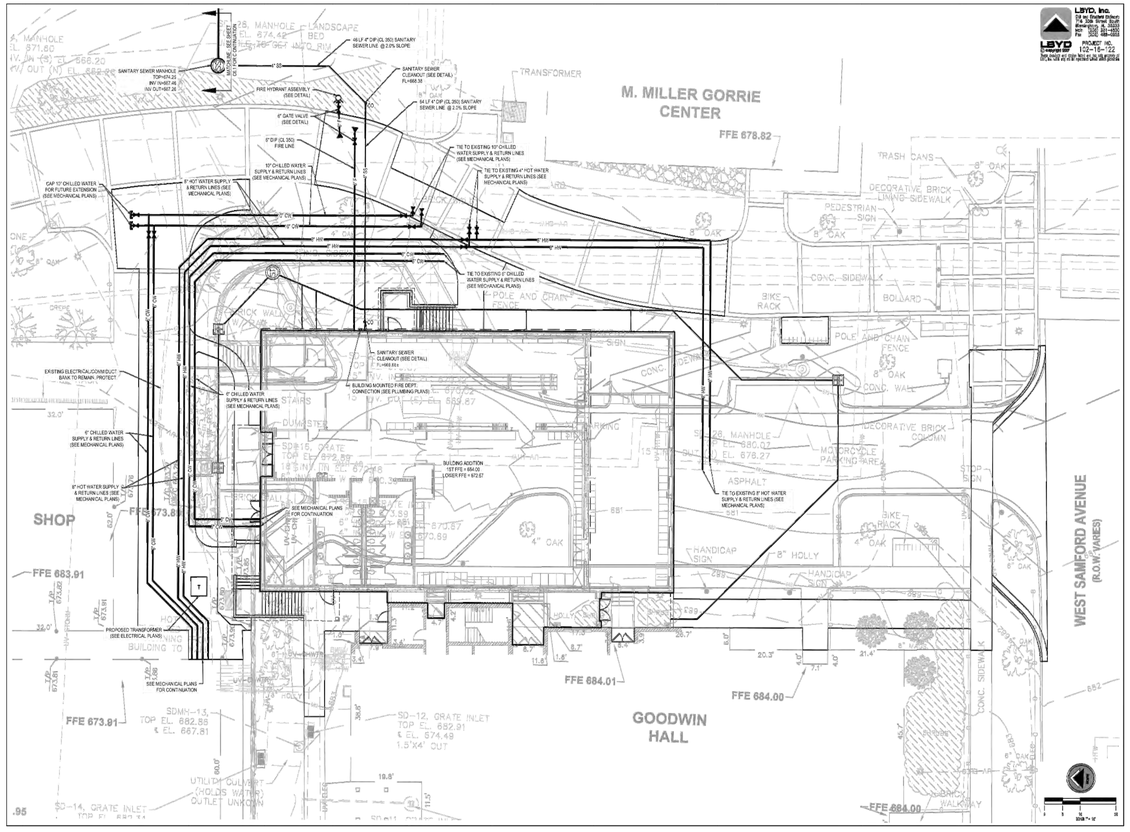
Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
SITE UTILIZATION AND EGRESS PLAN

DRAWN BY: JBR
CHECKED BY: –
DATE: 6–14–2017
FILE NUMBER: –
PROJECT NUMBER: 16–111
SHEET NUMBER:

AS1.1



1 / AS1.2 SITE PHASING PLAN

1" = 20' – 0"

General Project Scheduling Requirements

1.) The contractor shall sequence all work and schedule any building outages around the University class schedule. All outages shall be scheduled in advance and approved by Auburn University prior to beginning work. The intent of the construction phasing by discipline is to communicate a potential sequence of construction for the purpose of minimizing outages in Goodwin, Dudley, and adjacent buildings. Note that some of the utility work may impact multiple buildings.

2.) All power and hot/chilled shutdowns require scheduled outages. All outages must be coordinated and approved by UPL. Power and hot/chilled utilities must not disable Dudley Hall, Goodwin Hall, and Miller Gorrie Center during the Fall Semester. Appropriate outage opportunities are listed on sheet AS1.2.

3.) Contractor prepare Goodwin Hall emergency exits and temporary walks for construction as described on site utilization and egress plan.

4.) Construction phasing shown on AS1.2 has been provided as "information only" to assist the prime contractor develop a successful construction schedule. Construction schedule shall be submitted per project manual requirements. Construction schedule shall list all proposed outages.

Scheduled Outages:

Possible outage opportunities
(final dates to be confirmed with
Auburn University school calendar):

Aug 5-20/2017
Oct 12-13/2017
Nov 20-24/2017
Dec 17-Jan 9/2018
Mar 12-16/2018
May 8-17/2018

The following list of phased work by discipline is for information only for use by the contractor for preparation of a construction schedule. Contractor to use scheduled outage dates on this sheet for preparation of the construction schedule.

A) Chilled and Heating Hot Water:

Phase 1: Establish a temporary path for the concourse pedestrian traffic while accommodating the required construction fencing for the site work. Partial demo of existing site wall may be necessary at this stage. Install new chilled water supply & return (two sets per site plan), install new heating hot water supply and return piping. Connection points on the campus side and building side shall stop short of connecting on each end. Schedule an outage for the temporary connection of 6" CHWS&R and 8"HWS&R on both the building and campus sides of the piping. Note that this connection will tie into the lines outside of the building and provide temporary utilities services to Dudley and Goodwin until permanent services can be constructed.

Phase 2: Demolish existing site wall per the site plans and the existing piping that is under the footprint of the new building. Construct the building. Build new mechanical room with chilled new chilled water service for all of Goodwin. Route new piping 6"CHWS&R from second set (per site plan) into new mechanical pump room. Route piping from pump room in the new Goodwin addition to the existing mechanical room per the plans. Piping shall stop short of connection to existing Goodwin chilled water piping. Schedule an outage at Goodwin for the connection of new chilled water to the existing piping. Reestablish permanent chilled water service to Goodwin through the new pump system.

Phase 3: Provide temporary heating water for Goodwin hall through the use of a rental boiler/pump package and temporary piping. Demolish the existing chilled water pumps and hot water pump and heat exchanger located in the existing Goodwin mechanical room. Construct the new hot water interface in the existing mechanical room per the plans. Prepare Dudley mechanical room for final modifications. Schedule an outage for Goodwin to swap from temporary heating hot water to permanent hot water service via new pumping system.

Phase 4: Schedule an outage for Dudley to finalize piping connections from the new site piping layout to the final layout per the plans. This outage could be done in conjunction with the Phase 3 outage at Goodwin. Any final demolition of site piping can be done. Note that after Phase 2 Goodwin and Dudley will each have separate sets of chilled water lines from the main campus loops.

B). Electrical

Phase 1: Order transformer. While awaiting transformer provide path for the primary duct bank in conjunction with new site CHWS&R & HWS&R piping.

Phase 2: Schedule an outage for power to Dudley. Demolish old transformer. Install new transformer in modified location. Make new secondary connections from transformer to Dudley Hall. Make new connection from primary to new transformer. Reestablish power to Dudley Hall.

C). Sanitary Sewer

a. 8" main extension from the east to be installed during Christmas Break (Dec 17-Jan 9).

b. 4" service lateral to be installed to 5' outside location of new east building wall during Phase 1 of hot & chilled water installation while concourse is temporarily closed and trench is open for the hot and chilled water.

D). Fire Service

a. New fire hydrant and 6" fire service line (to 5' outside new building) to be installed during Phase 1 of hot & chilled water installation while concourse is temporarily closed and trench is open for the hot and chilled water.

E). Building and Site

a.) **Phase 1**
- Install construction fence/gate
- Install egress doors no. 104A and 104B from existing Goodwin Hall
- Install protective measures (signs, covered exit passageways, etc.) from existing Goodwin Hall
- Remove portion of concourse as required for installation of Phase 1 utilities (see above)

b.) **Phase 2**
- Install shoring as required for new construction.

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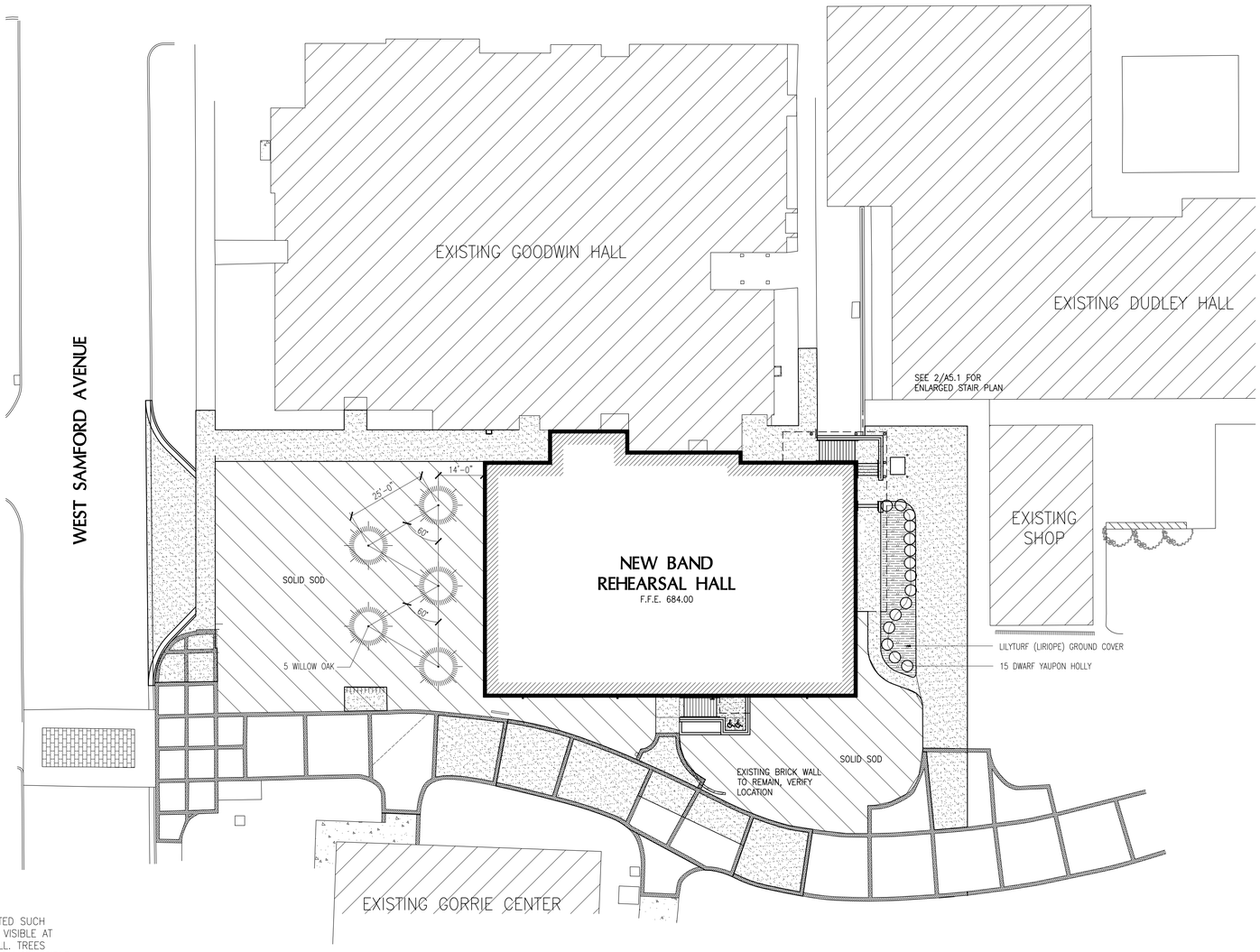
GOODWIN HALL - RENOVATION
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BAND REHEARSAL HALL ADDITION
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SHEET TITLE:
SITE PHASING PLAN

DRAWN BY: JBR
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PROJECT NUMBER: 16–111
SHEET NUMBER: AS1.2

PLANTING SCHEDULE

COMMON NAME	SCIENTIFIC NAME	SIZE	SPACING
WILLOW OAK	Quercus phellos	4" D.B.H. MIN. B AND B	25 FT. O.C. EQUILATERAL
LILYTURF (LIRIOPE)	Liriope muscari	1 GALLON	12 INCHES O.C.
DWARF YAUPON HOLLY	Ilex vomitoria 'nana'	5 GALLON	36" O.C.
SOLID SOD EMERALD ZOYSIA GRASS	Zoysia japonica 'Emerald'	–	–



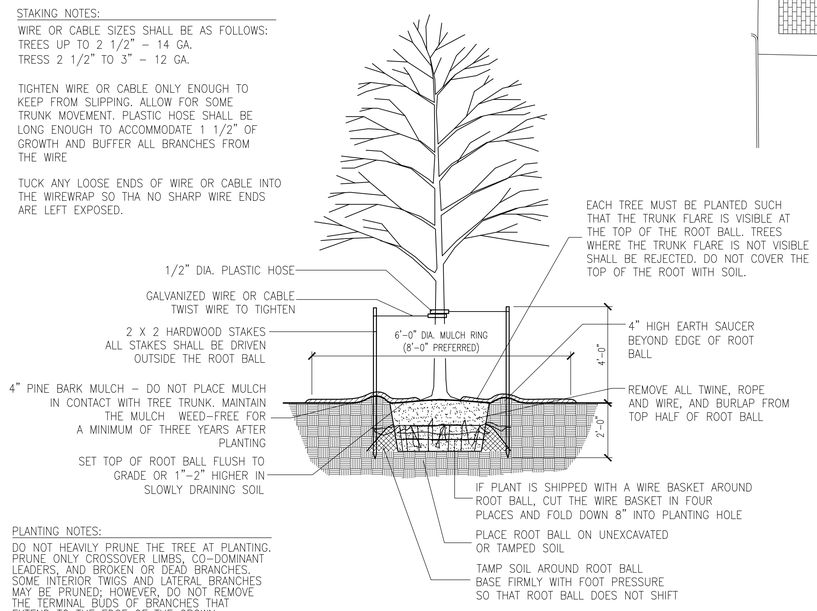
1 L1.1 LANDSCAPE PLAN
SCALE: 1" = 20'-0"

STAKING NOTES:

WIRE OR CABLE SIZES SHALL BE AS FOLLOWS:
TREES UP TO 2 1/2" – 14 GA.
TRESS 2 1/2" TO 3" – 12 GA.

TIGHTEN WIRE OR CABLE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT. PLASTIC HOSE SHALL BE LONG ENOUGH TO ACCOMMODATE 1 1/2" OF GROWTH AND BUFFER ALL BRANCHES FROM THE WIRE

TUCK ANY LOOSE ENDS OF WIRE OR CABLE INTO THE WIREWRAP SO THA NO SHARP WIRE ENDS ARE LEFT EXPOSED.

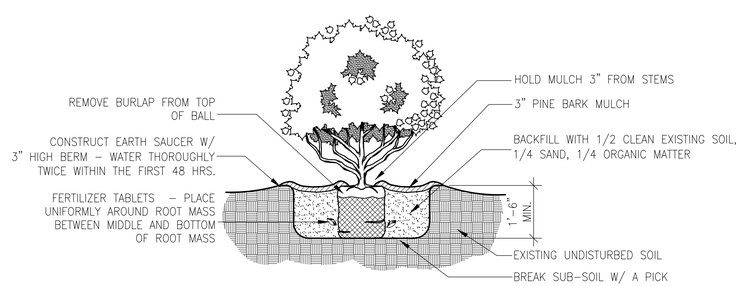


PLANTING NOTES:

DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE

3 L1.1 TREE PLANTING DETAIL
NO SCALE



2 L1.1 SHRUB PLANTING DETAIL
NO SCALE

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Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
LANDSCAPE PLAN AND DETAILS

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER: L1.1

LIFE SAFETY AND CODE REQUIREMENTS

OCCUPANCY CLASSIFICATION

INTERNATIONAL BUILDING CODE 2015 – MIXED OCCUPANCY, MULTISTORY, SEPARATED ASSEMBLY A-3, STORAGE GROUP S-1 AND STORAGE GROUP S-2

ALLOWABLE HEIGHT AND AREA

IBC TABLE 504.3 AND TABLE 504.4

CONSTRUCTION – TYPE II B	ALLOWABLE HEIGHT	ALLOWABLE AREA	ACTUAL AREA/HEIGHT
GROUP A-3 (MOST RESTRICTIVE)	3 STORIES/55 FT.	32,702 S.F.	15,195 S.F./52'-4"

TYPE OF CONSTRUCTION

INTERNATIONAL BUILDING CODE 2015: TYPE II B

REQUIRED FIRE-RESISTANCE RATINGS FOR BUILDING ELEMENTS (IBC TABLE 601)

	TYPE II B
STRUCTURAL FRAME	0
BEARING WALLS	
EXTERIOR	0
INTERIOR	0
NON BEARING WALLS AND PARTITIONS	
EXTERIOR	0
INTERIOR	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0

FIRE SEPARATION AND RESISTANCE RATINGS

NEW BUILDING OCCUPANCY SEPARATION FROM EXISTING STRUCTURE – 2 HOUR FIRE WALL ASSEMBLY SPRINKLED AND S-2 SEPARATIONS AS PER TABLE 706.4

EXTERIOR WALL FIRE RESISTANCE RATING BASED ON FIRE SEPARATION DISTANCE – 1 HOUR ASSEMBLY AND S-2 SEPARATIONS AS PER TABLE 602, MORE THAN 5 FT TO LESS THAN 10 FT.

PERCENTAGE OF OPENINGS IN RATED EXTERIOR WALLS = 25% AS PER TABLE 705.8

OCCUPANCY SEPARATION REQUIREMENTS A-3 TO S-2; NO SEPARATION, S-1 TO S-2; 1 HOUR

PLUMBING FIXTURES

AS PER TABLE 2902.1 – IBC 2015

GROUP CLASSIFICATION	WATER CLOSETS SEE SECTION 419.2 OF THE IPC FOR URINALS REQUIRED		WATER CLOSETS SUPPLIED		URINALS SUPPLIED	LAVATORIES REQUIRED		LAVATORIES SUPPLIED		BATHS OR SHOWERS REQUIRED	BATHS OR SHOWERS SUPPLIED	DRINKING FOUNTAINS REQUIRED	DRINKING FOUNTAINS SUPPLIED	OTHER REQUIRED	OTHER SUPPLIED
	MALE	FEMALE	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE						
ASSEMBLY GROUP A-3 802 PERSONS	4	7	4	7	4	3	3	3	3	0	0	2	2	1 SERV SINK	1 SERV SINK

FIRE PROTECTION SYSTEMS

AUTOMATIC FIRE SPRINKLER PROTECTION IS REQUIRED, PER IBC SECTION 903.2.1.3 CONDITION 2. MANUAL FIRE ALARM SHALL BE REQUIRED IF FIRE SPRINKLER DOES NOT ACTIVATE OCCUPANT NOTIFICATION APPLIANCES ON SPRINKLER FLOW. (IBC 907.2.1, EXCEPTION 1)

DESIGN OCCUPANT LOAD

OCCUPANT LOAD FACTORS (IBC TABLE 1004.1.2) :

BUSINESS GROUP B..... 100 G.S.F./PERSON ASSEMBLY GROUP A..... 7 N.S.F./PERSON

STORAGE GROUP S..... 300 G.S.F./PERSON

AREA	LOAD FACTOR	PERSONS
OFFICE	570 G.S.F. /100 G.S.F.	6
STORAGE/MECH.	5,612 G.S.F. /300 G.S.F.	19
ASSEMBLY CONCENTRATED	4,641 N.S.F./7 N.S.F.	663
ASSEMBLY FIXED SEATING		114
TOTAL PERSONS		802

NUMBER OF MEANS OF EGRESS

TWO EXITS OR EXIT ACCESS (MEANS OF EGRESS) IS REQUIRED AT FIRST FLOOR OCCUPANCY.

ARRANGEMENT OF MEANS OF EGRESS

THE EXITS ARE ARRANGED SO THAT THEY MEET THE SEPARATE AND REMOTE REQUIREMENTS OF THE IBC.

MARKING OF MEANS OF EGRESS

ALL MEANS OF EGRESS SHALL BE PROVIDED WITH ACCEPTABLE EXIT SIGNS WHICH DESIGNATE THE EXITS AND THE DIRECTION OF TRAVEL TO THE EXITS ACCORDING TO IBC SECTION 1013. RAISED CHARACTER AND BRAILLE EXIT SIGNS PER ICC A117.1 SHALL BE INSTALLED AT EXIT DOORS.

EGRESS WIDTH AND TRAVEL DISTANCE

SECTION 1017 – MAXIMUM EXIT ACCESS DISTANCE IS 250 FEET SPRINKLERED.
MINIMUM CORRIDOR WIDTH IS 44 INCHES.

EMERGENCY LIGHTING

ADEQUATE EMERGENCY LIGHTING IS REQUIRED ACCORDING TO IBC SECTION 1006.

ACCESSIBILITY

ALL AREAS COMPLY WITH ACCESSIBILITY REQUIREMENTS OF THE IBC. AND ADA 2010

UTILITIES

ALL ELECTRICAL SERVICES SHALL COMPLY WITH NFPA 70 – NATIONAL ELECTRICAL CODE. ANY AND ALL NATURAL GAS SERVICE SHALL COMPLY WITH THE 2015 INTERNATIONAL FUEL GAS CODE. ALL PLUMBING SYSTEM INSTALLATION MUST COMPLY WITH THE PROVISIONS OF THE 2015 INTERNATIONAL PLUMBING CODE.

HEATING, VENTILATING & AIR CONDITIONING EQUIPMENT

ALL HVAC EQUIPMENT SHALL COMPLY WITH THE PROVISIONS OF THE 2015 INTERNATIONAL MECHANICAL CODE FOR INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS, AND OR INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS AS APPLICABLE.

INTERIOR FINISHES

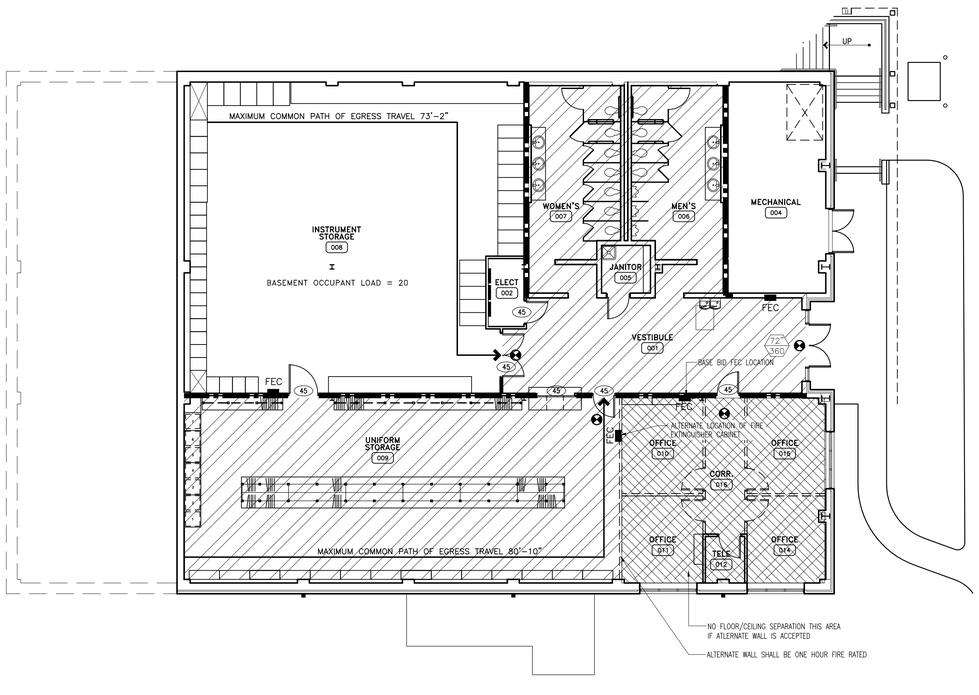
IBC TABLE 803.11 CEILING AND WALL FINISHES

GROUP	SPRINKLERED		
	EXIT ENCL. & PASSAGEWAYS	CORRIDORS	ROOMS AND ENCL. SPACES
GROUP A	B	B	C
GROUP S	C	C	C
GROUP B	B	C	C

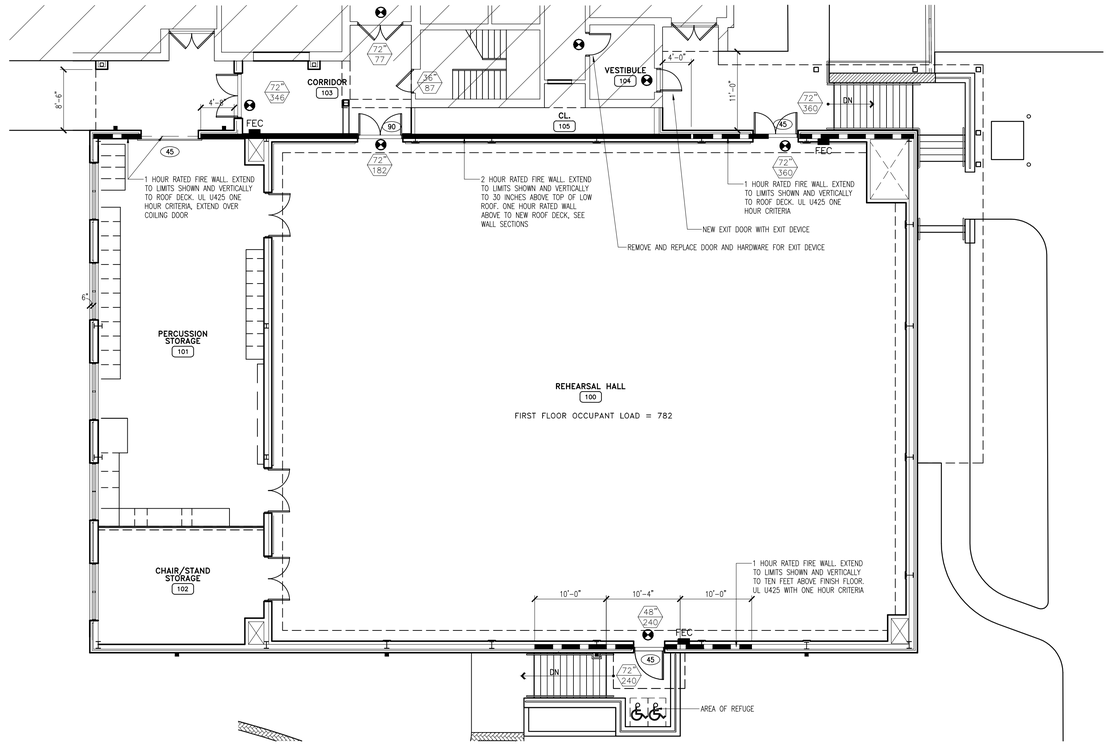
IBC SECTION 804 – FLOOR FINISHES SHALL BE NOT LESS THAN TYPE II IN ALL AREAS IN AN UNSPRINKLERED BUILDING FOR GROUP A, B AND S OCCUPANCY.

CODE REFERENCES

INTERNATIONAL BUILDING CODE, BUILDING (IBC-B)	2015 EDITION
INTERNATIONAL BUILDING CODE, MECHANICAL (IBC-M)	2015 EDITION
INTERNATIONAL BUILDING CODE, FUEL GAS (IBC-FG)	2015 EDITION
INTERNATIONAL BUILDING CODE, PLUMBING (IBC-P)	2015 EDITION
NATIONAL FIRE ALARM AND SIGNALING CODE NFPA 72	2013 EDITION
NATIONAL ELECTRICAL CODE (NEC)	2014 EDITION
AMERICANS WITH DISABILITIES ACT	2010 EDITION
ANSI/ASHRAE/IESNA STANDARD 90.1	2013 EDITION



1 **BASEMENT FLOOR LIFE SAFETY PLAN**
LS.1 SCALE: 1" = 10' - 0"



2 **FIRST FLOOR PLAN**
LS.1 SCALE: 1" = 10' - 0"

SYMBOLS LEGEND

- EXIT SIGN
- EXIT WIDTH AND EXIT CAPACITY
- ONE HOUR FIRE RATED FLOOR/CEILING UL ASSEMBLY D902 WITH INTUMESCENT COATING OPTION 6E OR 6F FOR BEAMS
- FEC — SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH ABC TYPE EXTINGUISHER
- ONE HOUR FIRE RATED EXTERIOR WALL
- TWO HOUR FIRE RATED EXTERIOR WALL
- ONE HOUR FIRE RATED INTERIOR BARRIER

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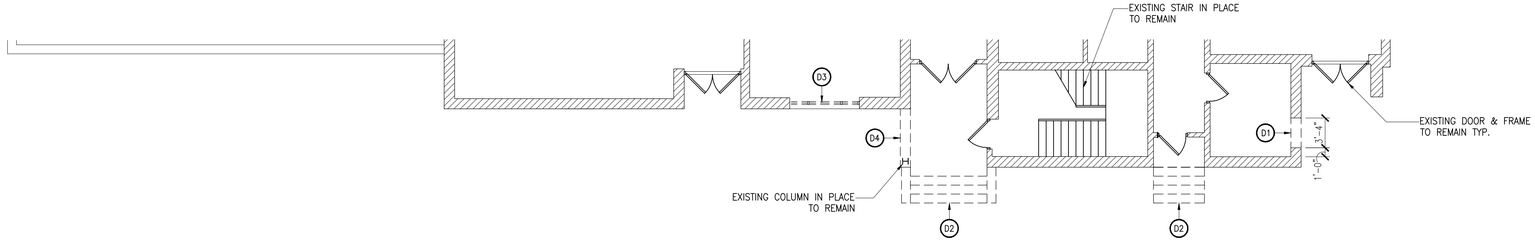
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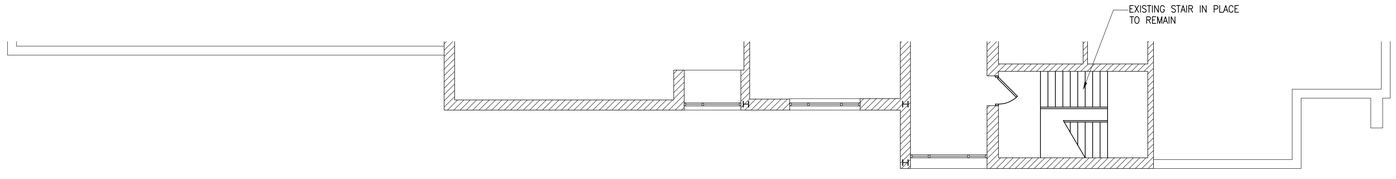
SHEET TITLE:
LIFE SAFETY PLANS AND CODE STUDY

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER:

LS.1



1 / D1.1 — FIRST FLOOR DEMO PLAN
SCALE: 1/8" = 1'-0"



2 / D1.1 — SECOND FLOOR DEMO PLAN
SCALE: 1/8" = 1'-0"

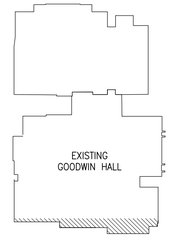
DEMO PLAN LEGEND

- DEMO NOTE SYMBOL – SEE LIST OF DEMO NOTES THIS SHEET
- EXISTING WALL – FIELD VERIFY
- EXISTING WALL TO BE REMOVED

DEMO KEY NOTES

- D1 REMOVE EXISTING WALL TO ALLOW FOR NEW DOOR & FRAME SEE 1/A1.1.
- D2 REMOVE & DISPOSE OF EXISTING CONCRETE STAIR IN ITS ENTIRETY.
- D3 REMOVE & DISPOSE OF EXISTING METAL WINDOW
- D4 REMOVE EXISTING WALL TO LIMITS INDICATED ON WALL SECTION.

KEY PLAN



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BAND REHEARSAL HALL ADDITION
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SHEET TITLE:
EXISTING & DEMOLITION PLANS

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER: D1.1

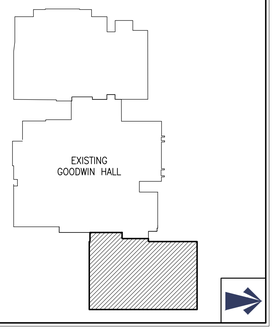
GENERAL NOTES

1. 6'-0" LONG PTD. STEEL PIPE BOLLARD (3'-0" PROJECTED ABOVE GRADE) SET IN CONCRETE – CAP W/ PVC CAP

FINISH NOTES

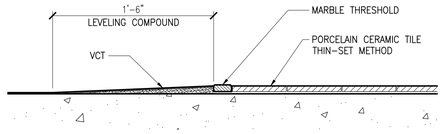
1. HAND-RUBBED CONCRETE FINISH NOT REQUIRED BEHIND CABINETS/CASEWORK.
2. FURNISH & INSTALL MARBLE THRESHOLD TRANSITION BETWEEN VCT & PCT FLOOR FINISHES.
3. "PAINTED EXPOSED STRUCTURE" APPLIES TO STRUCTURAL MEMBERS, MECHANICAL DUCTWORK, CONDUIT AND ALL OTHER COMPONENTS AT THE CEILING. PAINT THE CEILING IN ITS ENTIRETY.

KEY PLAN

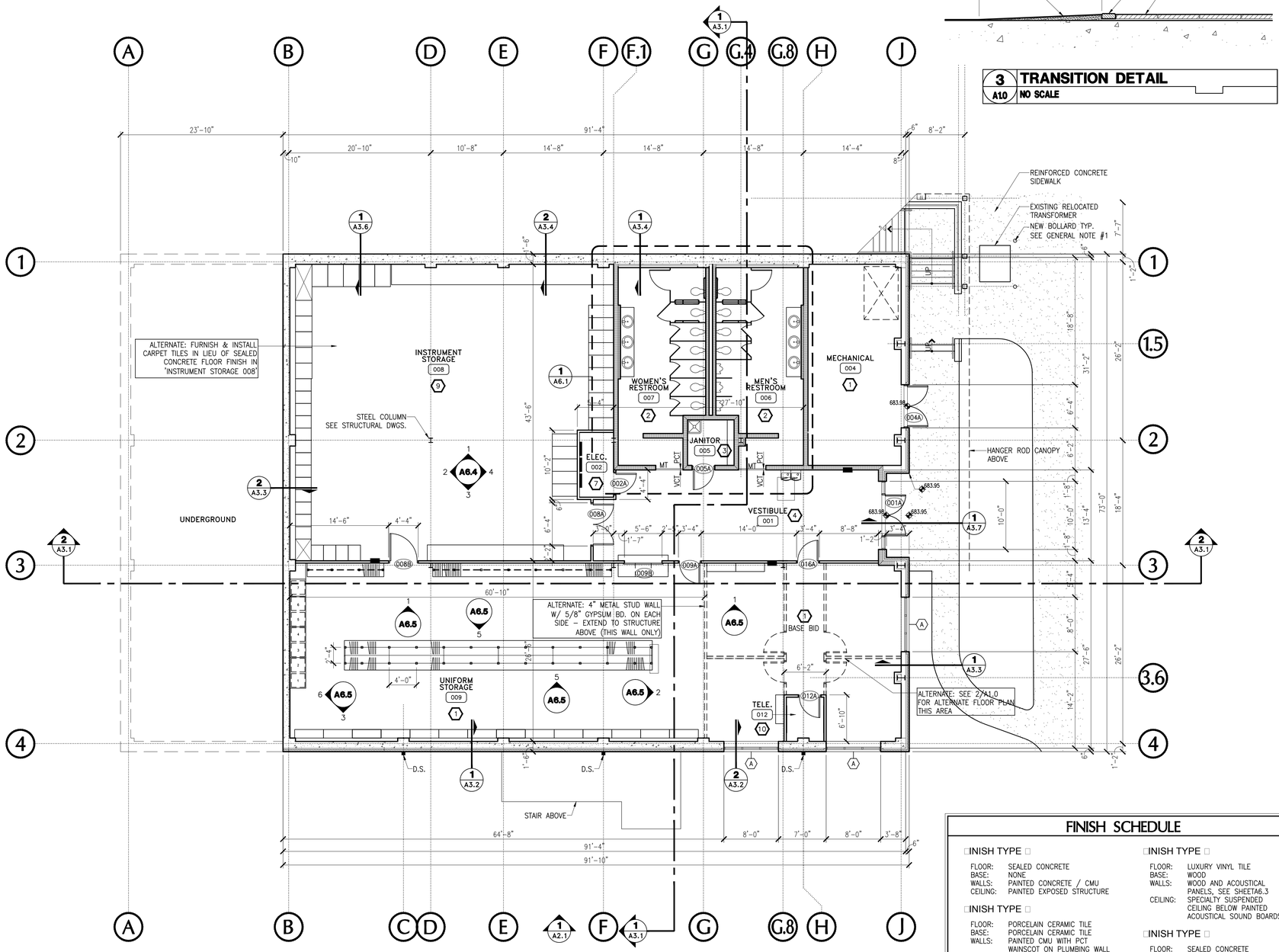


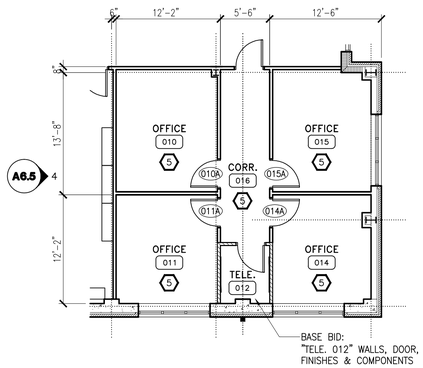
FLOOR PLAN LEGEND

- KEY NOTE SYMBOL – SEE LIST OF KEY NOTES THIS SHEET
- DOOR SYMBOL – SEE DOOR SCHEDULE
- FINISH SYMBOL – SEE FINISH SCHEDULE THIS SHEET
- WINDOW SYMBOL – SEE WINDOW SCHEDULE
- EXISTING WALL – FIELD VERIFY
- 8" REINFORCED CMU WALL
- METAL STUD WALL W/ GYPSUM BD.
- POURED IN PLACE CONCRETE WALL
- NEW WALL CONSTRUCTION – NEW TO MATCH EXISTING MATERIALS FIELD VERIFY
- D.S. PRE-FINISHED METAL DOWNSPOUT INTO BOOT
- MT 2" MARBLE THRESHOLD WITH 18" WIDE LEVELING COMPOUND STRIP ON VCT SIDE OF MARBLE THRESHOLD – SEE 3/A1.0



3 / A1.0 TRANSITION DETAIL
NO SCALE





2 / A1.0 PARTIAL FLOOR PLAN (ALTERNATE)
SCALE: 1/8" = 1'-0"

1 / A1.0 BASEMENT FLOOR PLAN
SCALE: 1/8" = 1'-0"

FINISH SCHEDULE

FINISH TYPE 1
- FLOOR: SEALED CONCRETE
- BASE: NONE
- WALLS: PAINTED CONCRETE / CMU
- CEILING: PAINTED EXPOSED STRUCTURE

FINISH TYPE 2
- FLOOR: PORCELAIN CERAMIC TILE
- BASE: PORCELAIN CERAMIC TILE
- WALLS: PAINTED CMU WITH PCT WAINSCOT ON PLUMBING WALL
- CEILING: 2 X 2 LAY-IN CEILING; VINYL CLAD GYPSUM BOARD

FINISH TYPE 3
- FLOOR: SEALED CONCRETE
- BASE: RUBBER
- WALLS: PAINTED CONCRETE / GYP. BD.
- CEILING: PAINTED GYPSUM BOARD

FINISH TYPE 4
- FLOOR: VINYL COMPOSITE TILE
- BASE: RUBBER
- WALLS: PAINTED CMU
- CEILING: 2X2 LAY-IN CEILING

FINISH TYPE 4 ALT
- FLOOR: CARPET
- BASE: RUBBER
- WALLS: PAINTED CMU/ GYP. BD.
- CEILING: 2 X 2 LAY-IN CEILING

FINISH TYPE 5
- FLOOR: LUXURY VINYL TILE
- BASE: WOOD
- WALLS: WOOD AND ACOUSTICAL PANELS, SEE SHEETA6.3
- CEILING: SPECIALTY SUSPENDED CEILING BELOW PAINTED ACOUSTICAL SOUND BOARDS

FINISH TYPE 6
- FLOOR: SEALED CONCRETE
- BASE: RUBBER
- WALLS: PAINTED GYPSUM BOARD
- CEILING: 2 X 2 LAY-IN CEILING

FINISH TYPE 7
- FLOOR: SEALED CONCRETE
- BASE: RUBBER
- WALLS: SEALED BRICK
- CEILING: 2 X 2 LAY-IN CEILING

FINISH TYPE 8
- FLOOR: SEALED CONCRETE(BASE BID) CARPET TILE (ALTERNATE)
- BASE: RUBBER
- WALLS: PAINTED CONCRETE / CMU
- CEILING: PAINTED EXPOSED STRUCTURE

FINISH TYPE 9
- FLOOR: SEALED CONCRETE
- BASE: NONE
- WALLS: PAINTED GYPSUM BOARD (3/4" TH. PLYWOOD AT EAST WALL)
- CEILING: PAINTED GYPSUM BOARD

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No.	Revision	Date
-	-	-

STATE OF ALABAMA REGISTERED ARCHITECTS
JAMES I. BARGANIER 1484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2015-255
Drawn By: BARGANIER DAVIS SIMS

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE: **BASEMENT FLOOR PLAN**

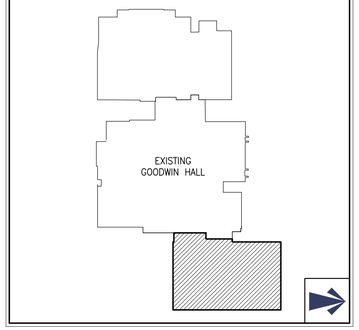
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CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER: **A1.0**

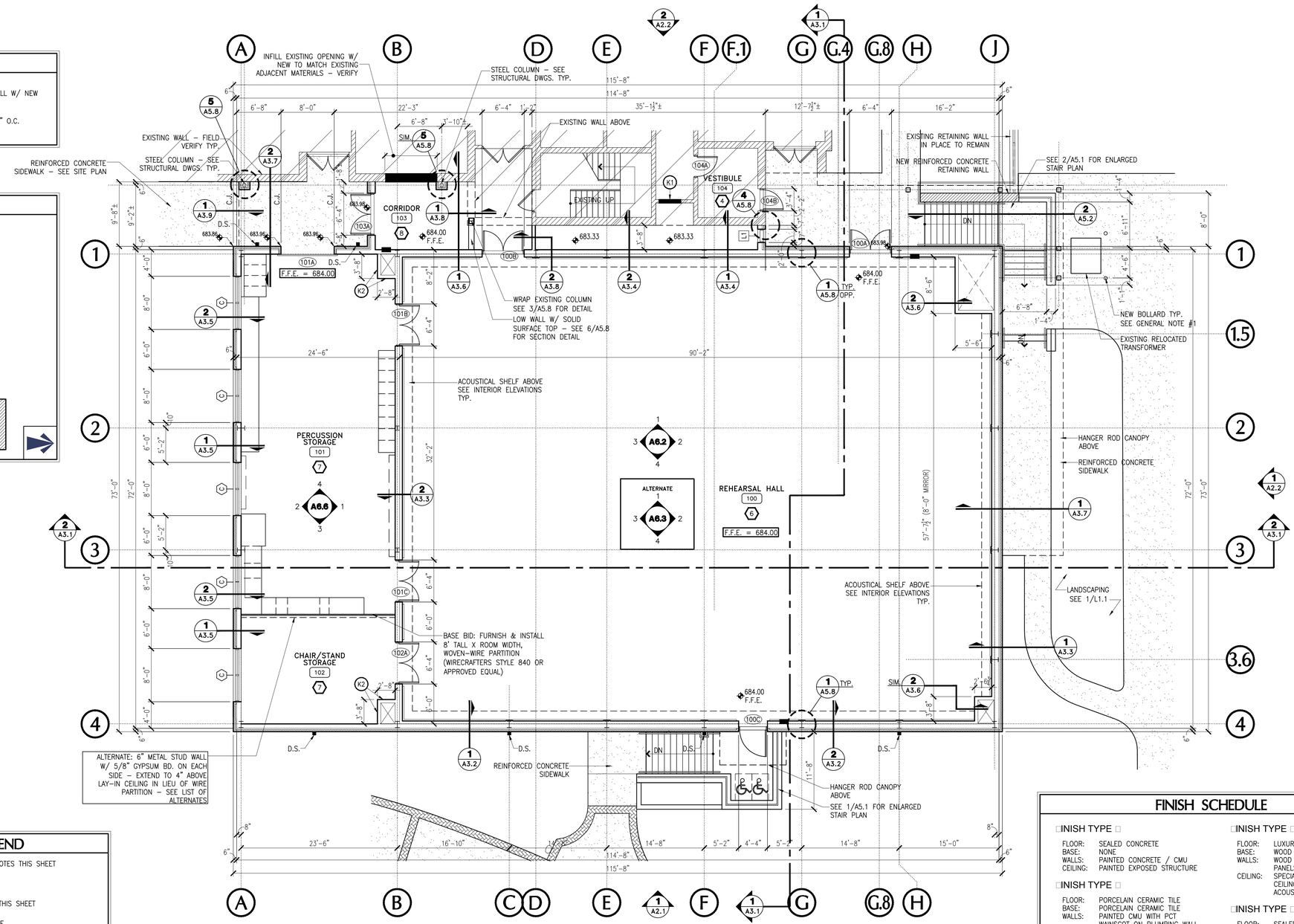
KEY NOTES

(K1) INFILL EXISTING DOOR OPENING IN MASONRY WALL W/ NEW MATERIALS TO MATCH EXISTING.

(K2) CHASE WALL: 6" X 18 GA. METAL STUDS AT 16" O.C. W/ (1) LAYER 5/8" TH. GYPSUM BD.

KEY PLAN





FLOOR PLAN LEGEND

- KEY NOTE SYMBOL – SEE LIST OF KEY NOTES THIS SHEET
- DOOR SYMBOL – SEE DOOR SCHEDULE
- FINISH SYMBOL – SEE FINISH SCHEDULE THIS SHEET
- WINDOW SYMBOL – SEE WINDOW SCHEDULE
- LOUVER SYMBOL – SEE SHEET A8.1
- EXISTING WALL – FIELD VERIFY
- 8" REINFORCED CMU WALL
- METAL STUD WALL W/ GYPSUM BD.
- POURED IN PLACE CONCRETE WALL
- NEW WALL CONSTRUCTION – NEW TO MATCH EXISTING MATERIALS FIELD VERIFY
- D.S. PRE–FINISHED METAL DOWNSPOUT INTO BOOT
- MT 2" MARBLE THRESHOLD WITH 18" WIDE LEVELING COMPOUND STRIP ON VCT SIDE OF MARBLE THRESHOLD – SEE 3/A1.0

1 / A1.1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

FINISH SCHEDULE

INISH TYPE
FLOOR: SEALED CONCRETE
BASE: NONE
WALLS: PAINTED CONCRETE / CMU
CEILING: PAINTED EXPOSED STRUCTURE

INISH TYPE
FLOOR: PORCELAIN CERAMIC TILE
BASE: PORCELAIN CERAMIC TILE
WALLS: PAINTED CMU WITH PCT WAINSCOT ON PLUMBING WALL
CEILING: 2 X 2 LAY–IN CEILING VINYL CLAD GYPSUM BOARD

INISH TYPE
FLOOR: SEALED CONCRETE
BASE: RUBBER
WALLS: PAINTED CONCRETE / GYP. BD.
CEILING: PAINTED GYPSUM BOARD

INISH TYPE
FLOOR: VINYL COMPOSITE TILE
BASE: RUBBER
WALLS: PAINTED CMU
CEILING: 2X2 LAY–IN CEILING

INISH TYPE ALT
FLOOR: CARPET
BASE: RUBBER
WALLS: PAINTED CMU/ GYP. BD.
CEILING: 2 X 2 LAY–IN CEILING

INISH TYPE
FLOOR: LUXURY VINYL TILE
BASE: WOOD
WALLS: WOOD AND ACOUSTICAL PANELS, SEE SHEETA6.3
CEILING: SPECIALTY SUSPENDED CEILING BELOW PAINTED ACOUSTICAL SOUND BOARDS

INISH TYPE
FLOOR: SEALED CONCRETE
BASE: RUBBER
WALLS: PAINTED GYPSUM BOARD
CEILING: 2 X 2 LAY–IN CEILING

INISH TYPE
FLOOR: SEALED CONCRETE
BASE: RUBBER
WALLS: SEALED BRICK
CEILING: 2 X 2 LAY–IN CEILING

INISH TYPE
FLOOR: SEALED CONCRETE(BASE BID) CARPET TILE (ALTERNATE)
BASE: RUBBER
WALLS: PAINTED CONCRETE / CMU
CEILING: PAINTED EXPOSED STRUCTURE

INISH TYPE
FLOOR: SEALED CONCRETE
BASE: NONE
WALLS: PAINTED GYPSUM BOARD (3/4" TH. PLYWOOD AT EAST WALL)
CEILING: PAINTED GYPSUM BOARD

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STATE OF ALABAMA REGISTERED ARCHITECTS
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DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

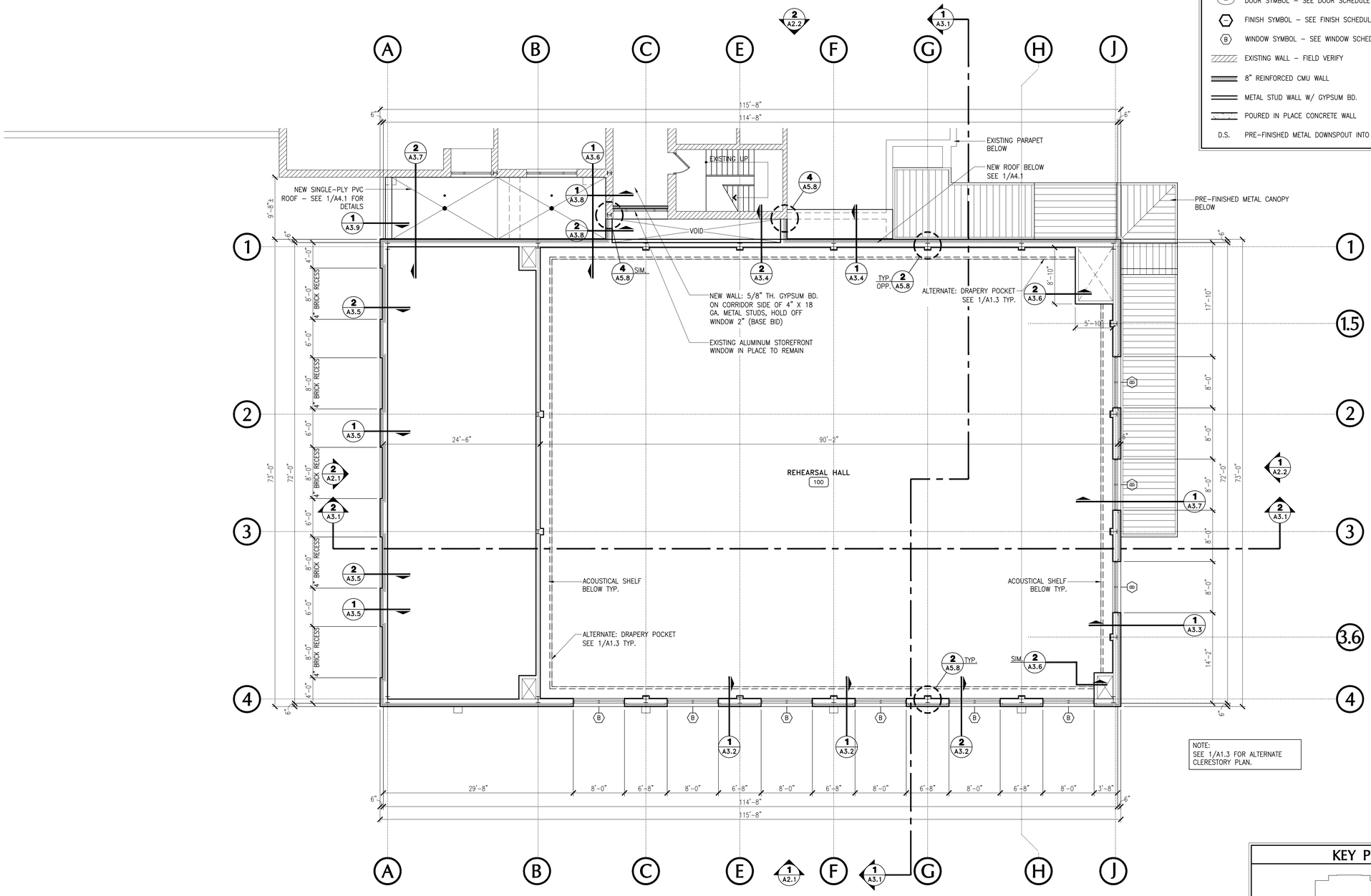
SHEET TITLE:
FIRST FLOOR PLAN

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER:

A1.1

FLOOR PLAN LEGEND

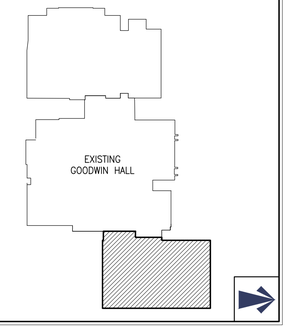
- KEY NOTE SYMBOL – SEE LIST OF KEY NOTES THIS SHEET
- DOOR SYMBOL – SEE DOOR SCHEDULE
- FINISH SYMBOL – SEE FINISH SCHEDULE THIS SHEET
- WINDOW SYMBOL – SEE WINDOW SCHEDULE
- EXISTING WALL – FIELD VERIFY
- 8" REINFORCED CMU WALL
- METAL STUD WALL W/ GYPSUM BD.
- POURED IN PLACE CONCRETE WALL
- D.S. PRE–FINISHED METAL DOWNSPOUT INTO BOOT



NOTE:
SEE 1/A1.3 FOR ALTERNATE CLERESTORY PLAN.

1 / A1.2 CLERESTORY PLAN (BASE BID)
SCALE: 1/8" = 1'-0"

KEY PLAN



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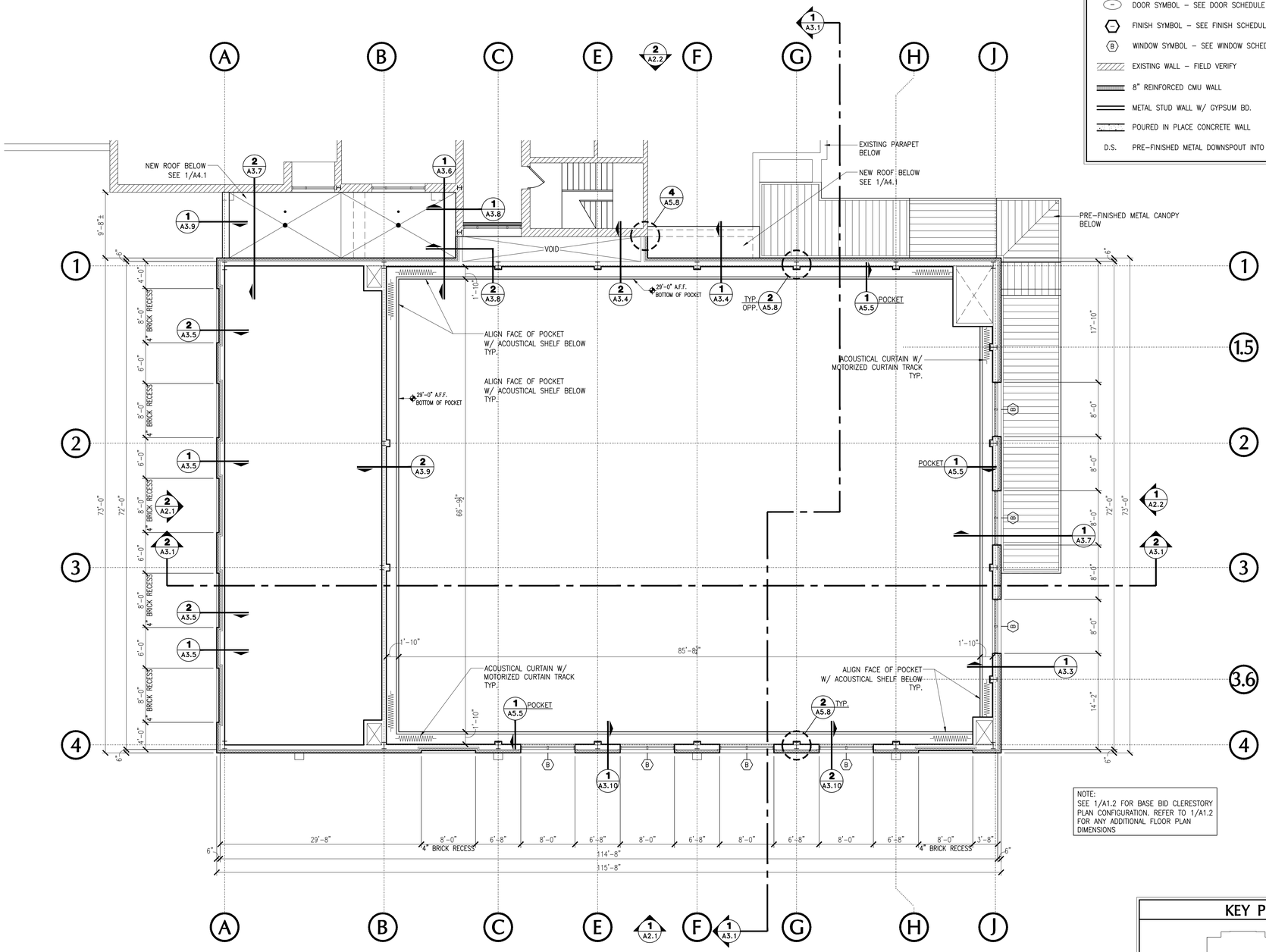
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CLERESTORY PLAN

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER:

A1.2

FLOOR PLAN LEGEND

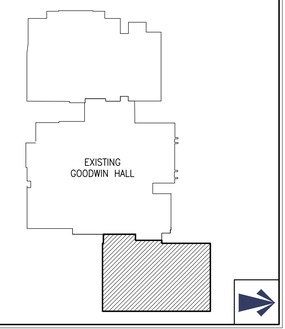
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- DOOR SYMBOL – SEE DOOR SCHEDULE
- FINISH SYMBOL – SEE FINISH SCHEDULE THIS SHEET
- WINDOW SYMBOL – SEE WINDOW SCHEDULE
- EXISTING WALL – FIELD VERIFY
- 8" REINFORCED CMU WALL
- METAL STUD WALL W/ GYPSUM BD.
- POURED IN PLACE CONCRETE WALL
- D.S. PRE-FINISHED METAL DOWNSPOUT INTO BOOT



NOTE:
SEE 1/A1.2 FOR BASE BID CLERESTORY PLAN CONFIGURATION. REFER TO 1/A1.2 FOR ANY ADDITIONAL FLOOR PLAN DIMENSIONS

1 / A1.3 — CLERESTORY PLAN (ALTERNATE)
SCALE: 1/8" = 1'-0"

KEY PLAN



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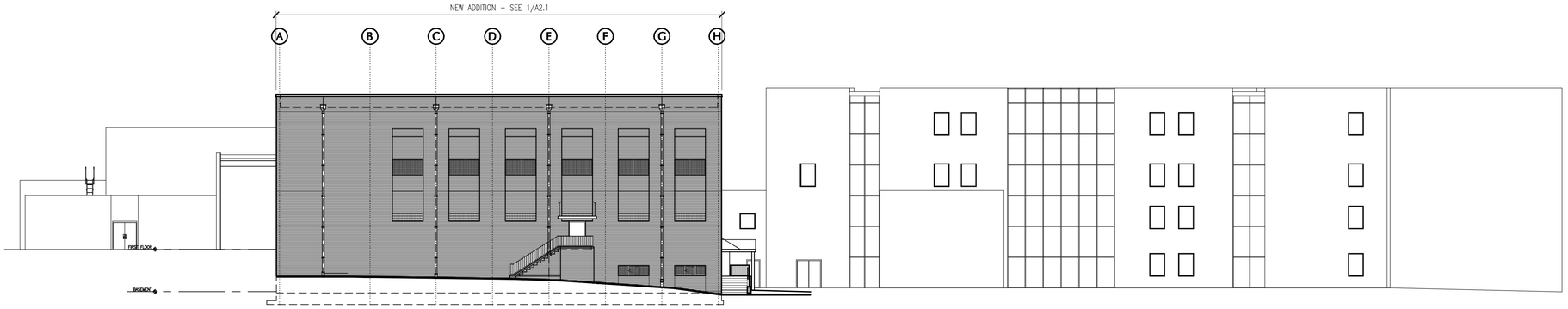
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RAY E. WILLIAMS 4239

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BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION
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Project Number 15-255

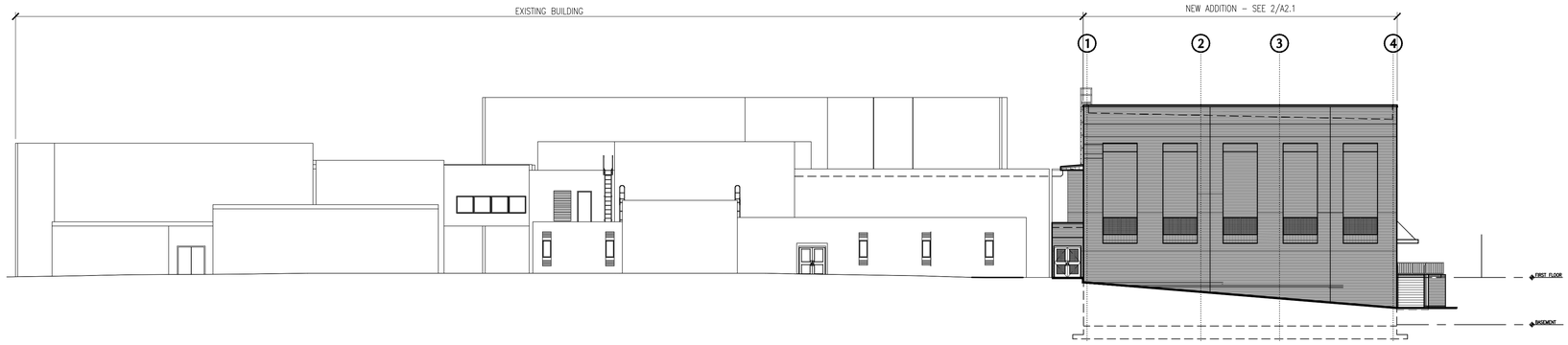
SHEET TITLE:
CLERESTORY PLAN (ALTERNATE)

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER: **A1.3**

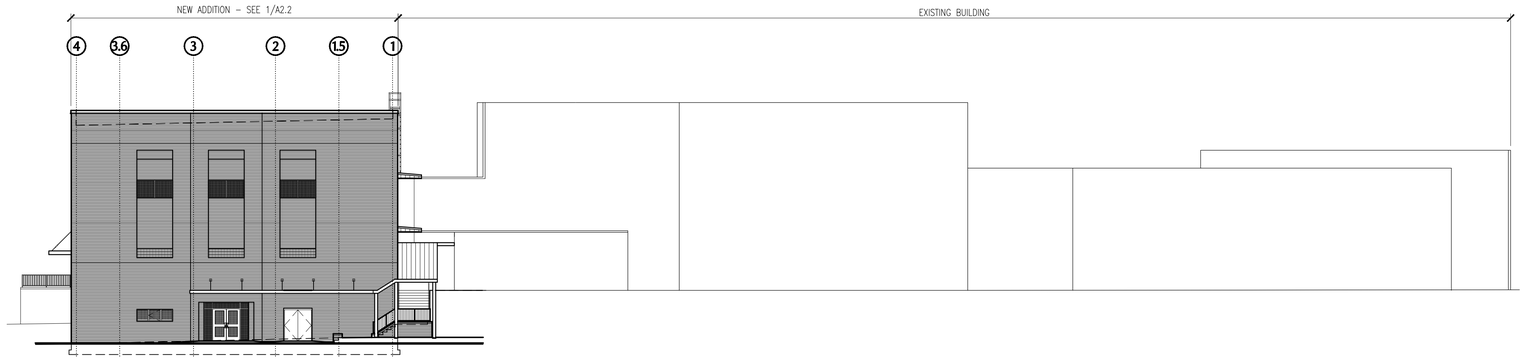


NOTE:
BASE BID CONFIGURATION SHOWN.
SEE 1/A2.3 FOR ALTERNATE CONFIGURATION.

1 / A2.0 — COMPOSITE WEST ELEVATION
SCALE: 1/16" = 1'-0"



2 / A2.0 — COMPOSITE SOUTH ELEVATION
SCALE: 1/16" = 1'-0"



3 / A2.0 — COMPOSITE NORTH ELEVATION
SCALE: 1/16" = 1'-0"

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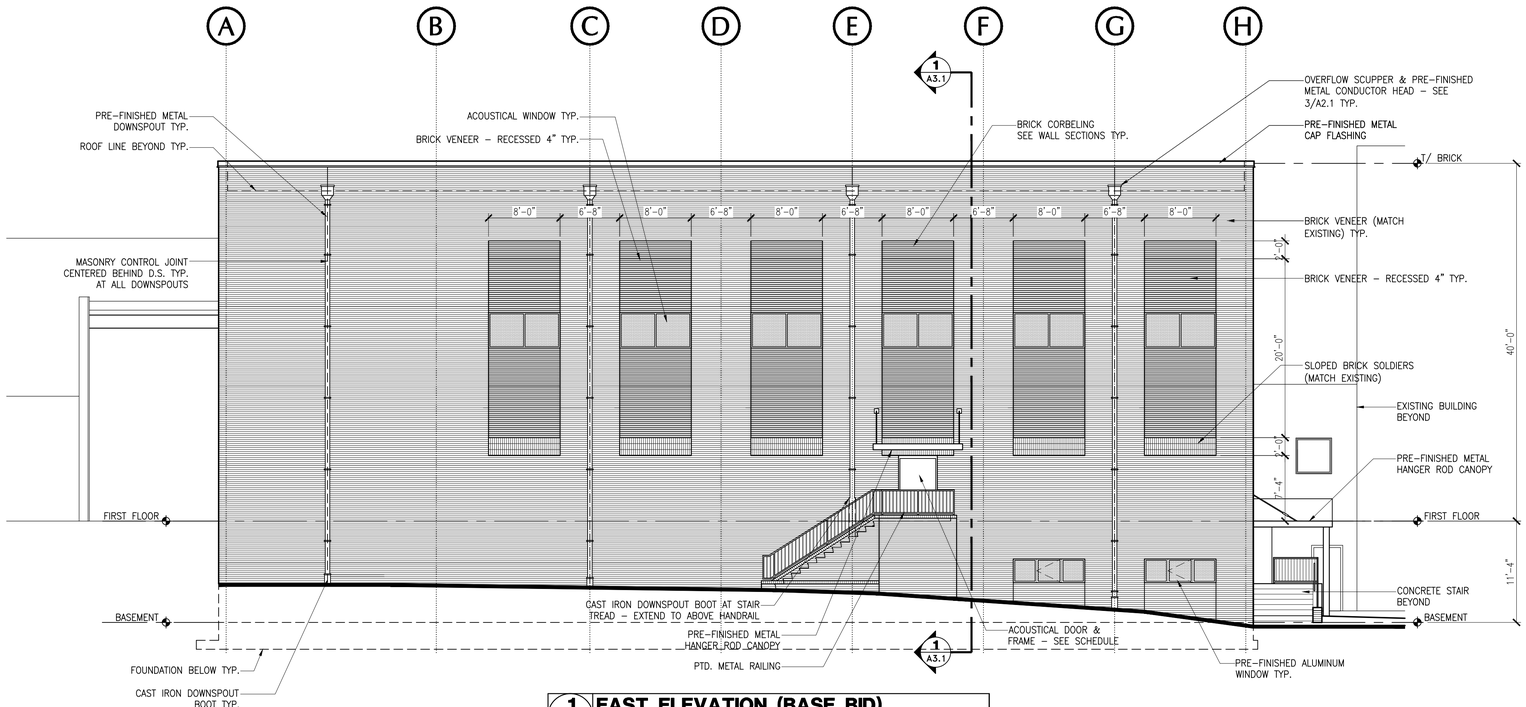
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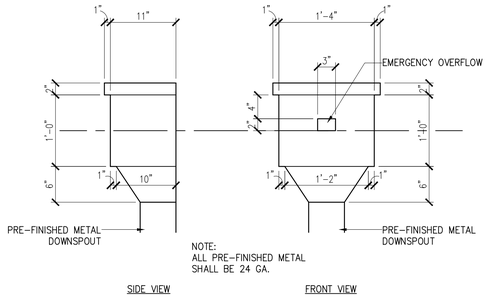
GOODWIN HALL - RENOVATION
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BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
COMPOSITE ELEVATIONS

DRAWN BY:
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CHECKED BY:
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DATE:
6-14-2017
FILE NUMBER:
-
PROJECT NUMBER:
16-111
SHEET NUMBER:
A2.0



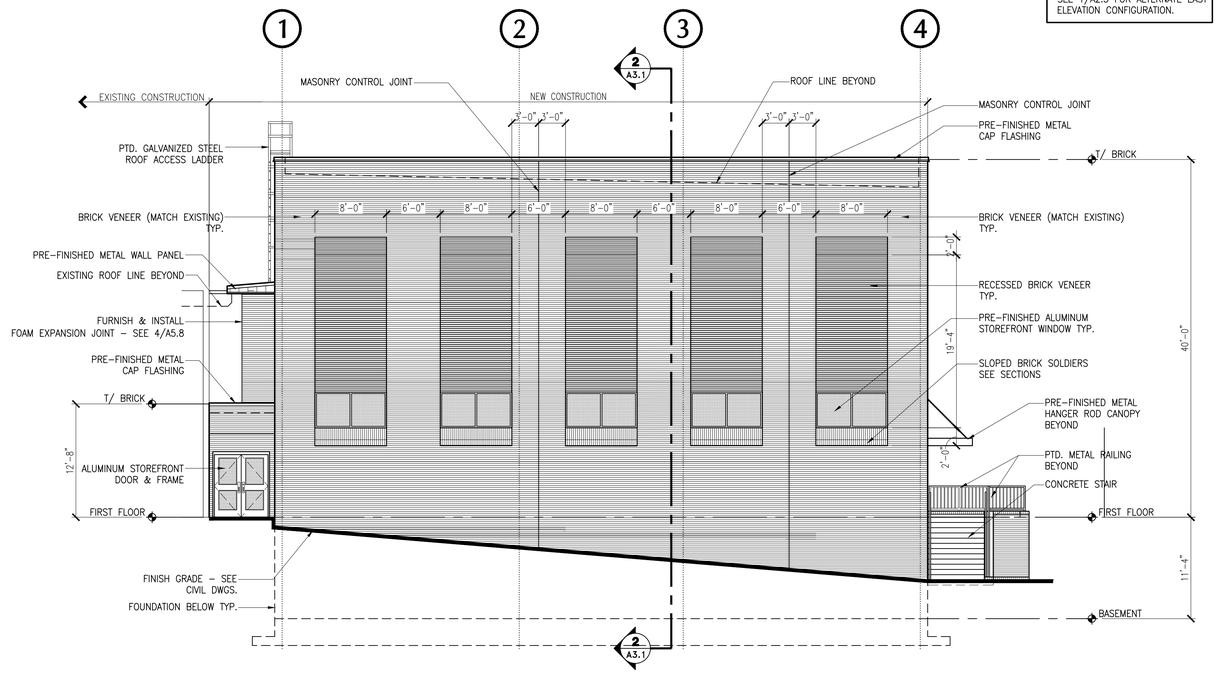
1 A2.1 EAST ELEVATION (BASE BID)
SCALE: 1/8" = 1'-0"



NOTE:
ALL PRE–FINISHED METAL SHALL BE 24 GA.

3 A2.1 CONDUCTOR HEAD DETAIL
SCALE: 1" = 1'-0"

NOTE:
BASE BID CONFIGURATION SHOWN. SEE 1/A2.3 FOR ALTERNATE EAST ELEVATION CONFIGURATION.



2 A2.1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

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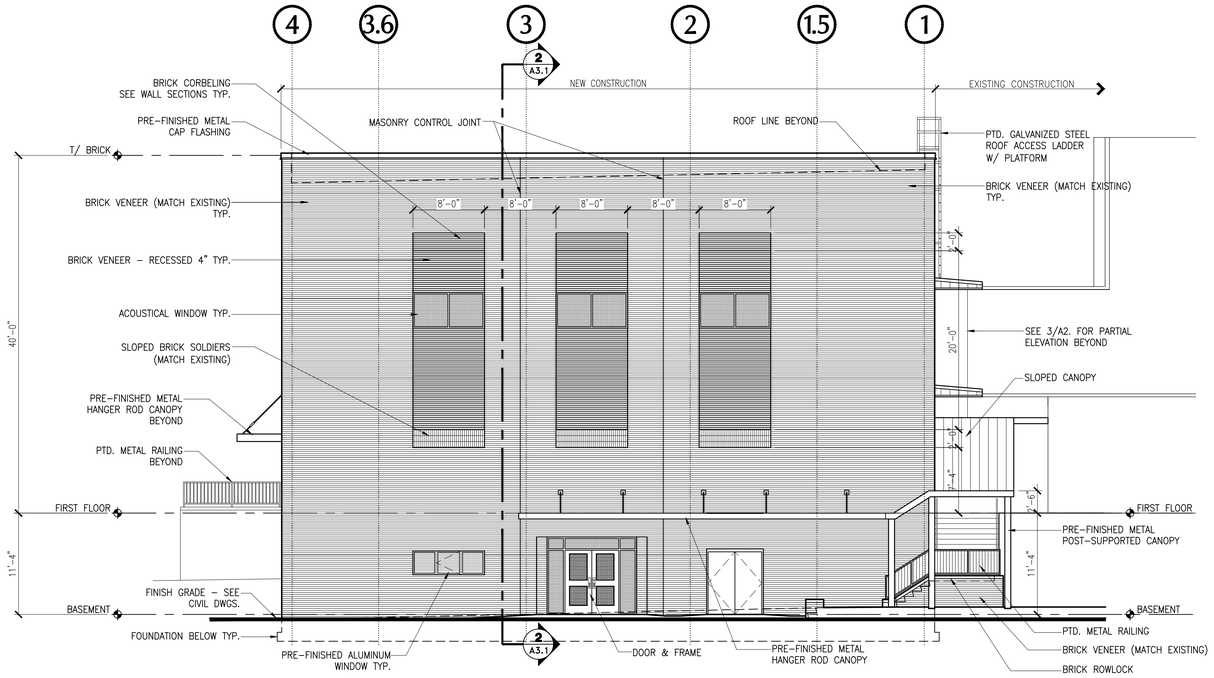
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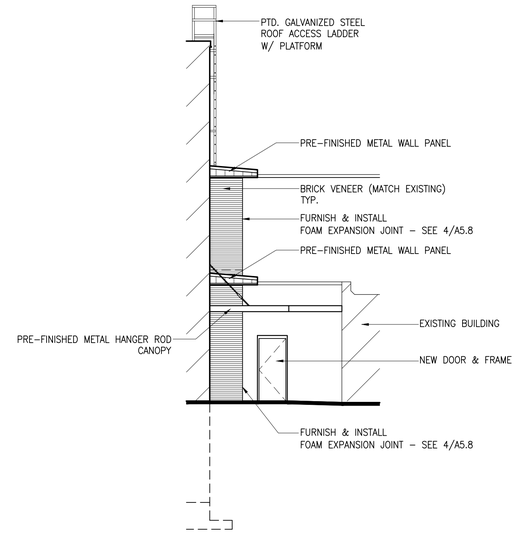
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
WEST & SOUTH ELEVATIONS

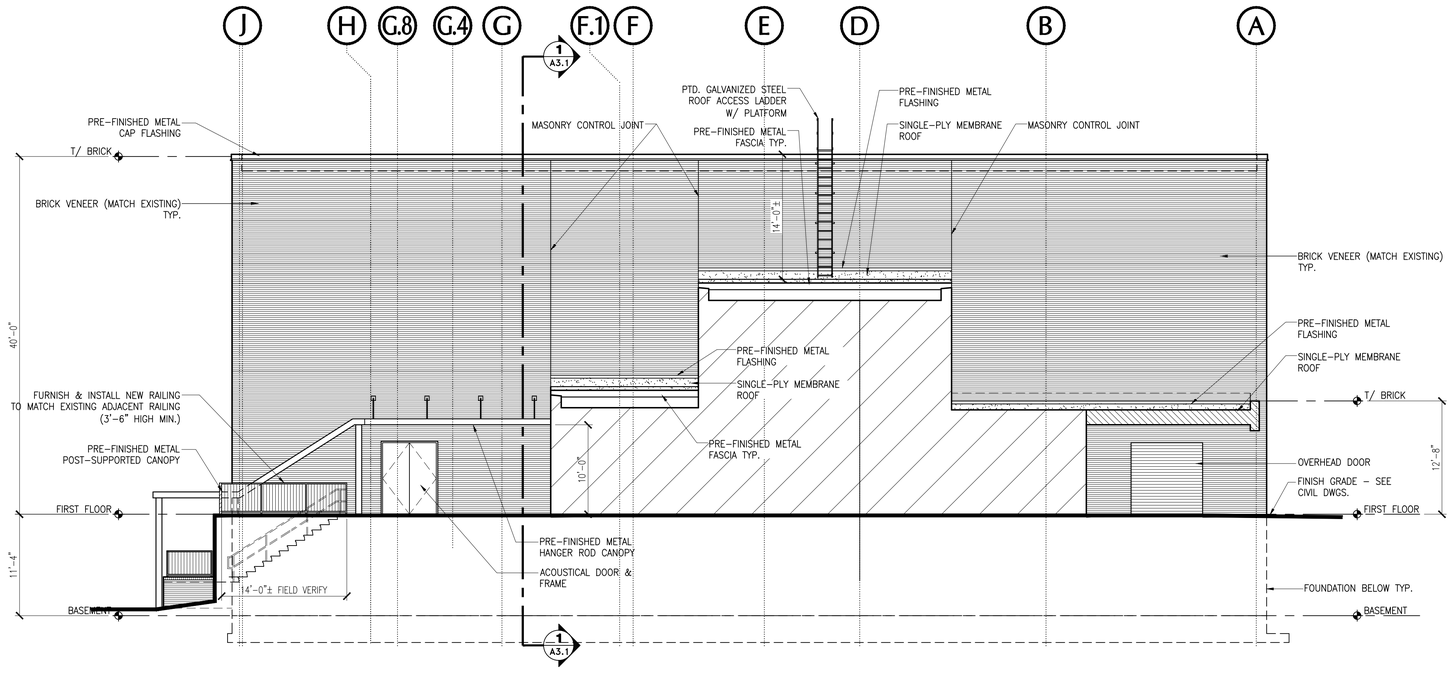
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DATE:
6-14-2017
FILE NUMBER:
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PROJECT NUMBER:
16-111
SHEET NUMBER:
A2.1



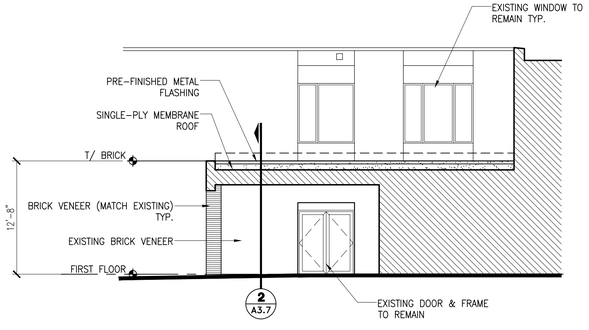
1 NORTH ELEVATION
A22 SCALE: 1/8" = 1'-0"



3 PARTIAL NORTH ELEVATION
A22 SCALE: 1/8" = 1'-0"



2 WEST ELEVATION
A22 SCALE: 1/8" = 1'-0"



4 PARTIAL WEST ELEVATION
A22 SCALE: 1/8" = 1'-0"

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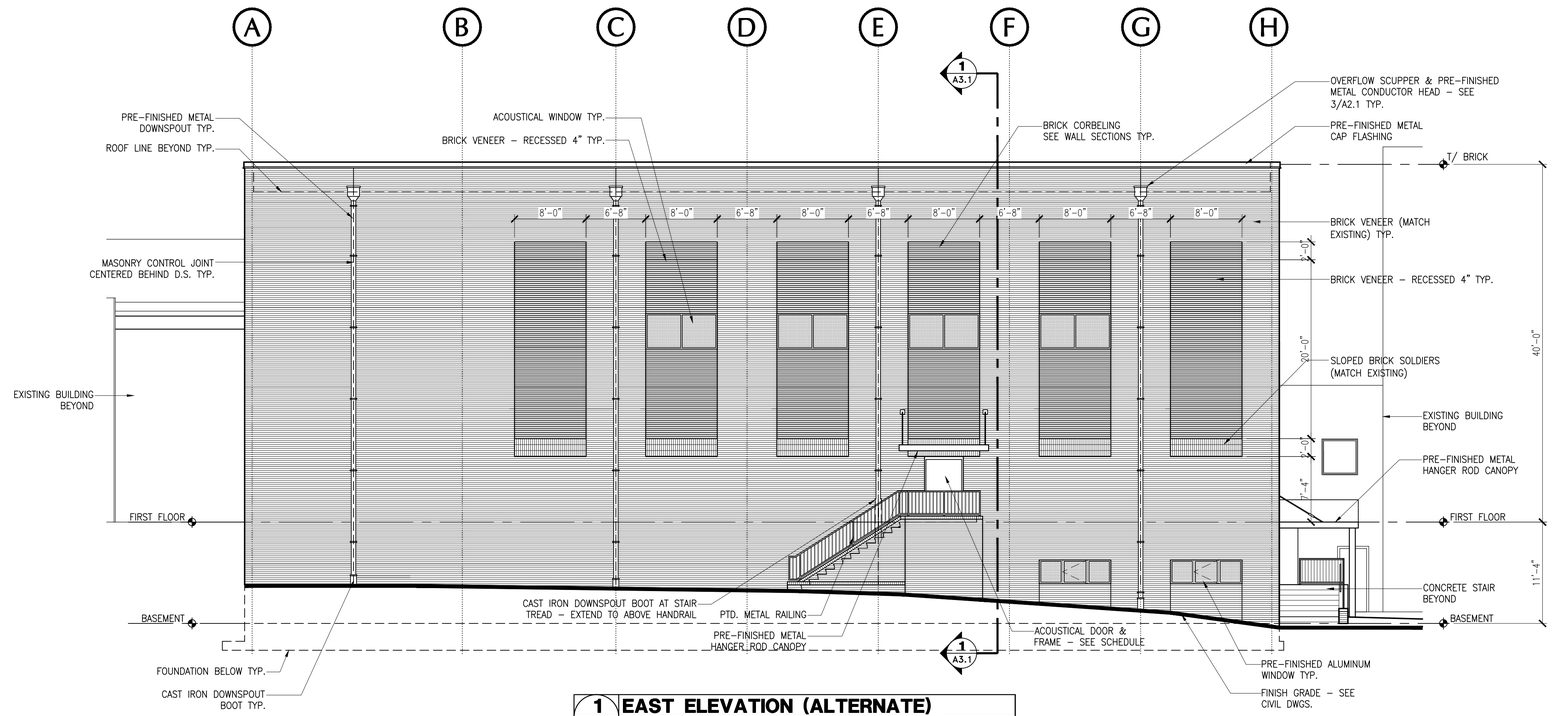
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DART W. DAVIS
2767
RAY E. WILLIAMS
4239

Project Number: 2015-255
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Drawn By:

GOODWIN HALL - RENOVATION
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BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
NORTH ELEVATION

DRAWN BY:
-
CHECKED BY:
-
DATE:
6-14-2017
FILE NUMBER:
-
PROJECT NUMBER:
16-111
SHEET NUMBER:
A2.2



1 EAST ELEVATION (ALTERNATE)
A2.3 SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ALL EXTERIOR STEEL (LINTELS, PIPE SLEEVES, RAILINGS, ETC.) SHALL BE PAINTED, HOT-DIPPED GALVANIZED.

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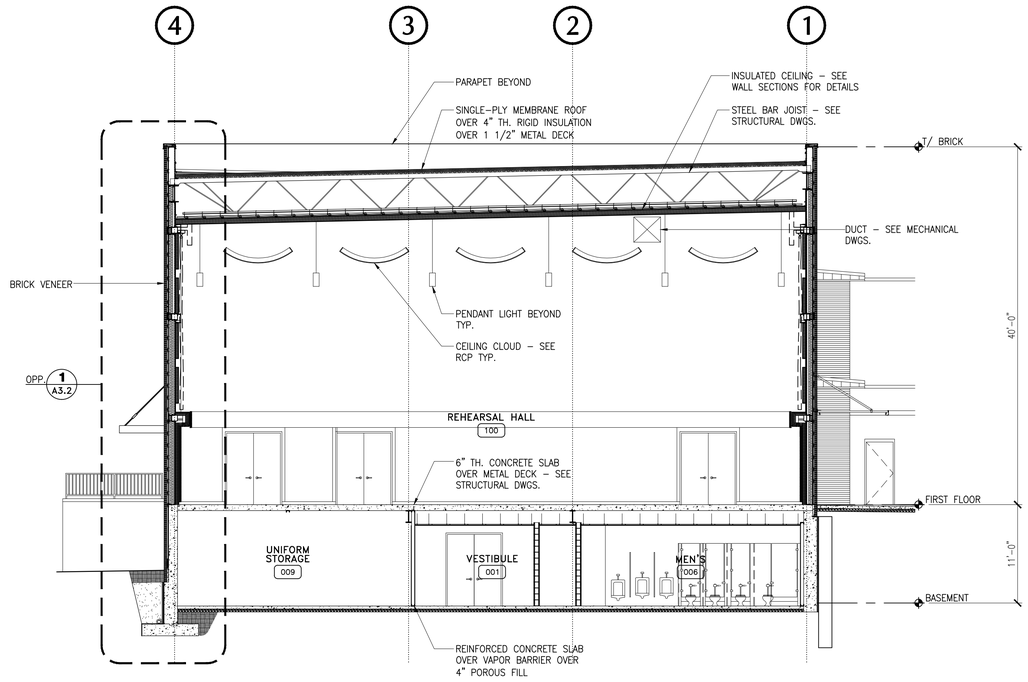
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Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

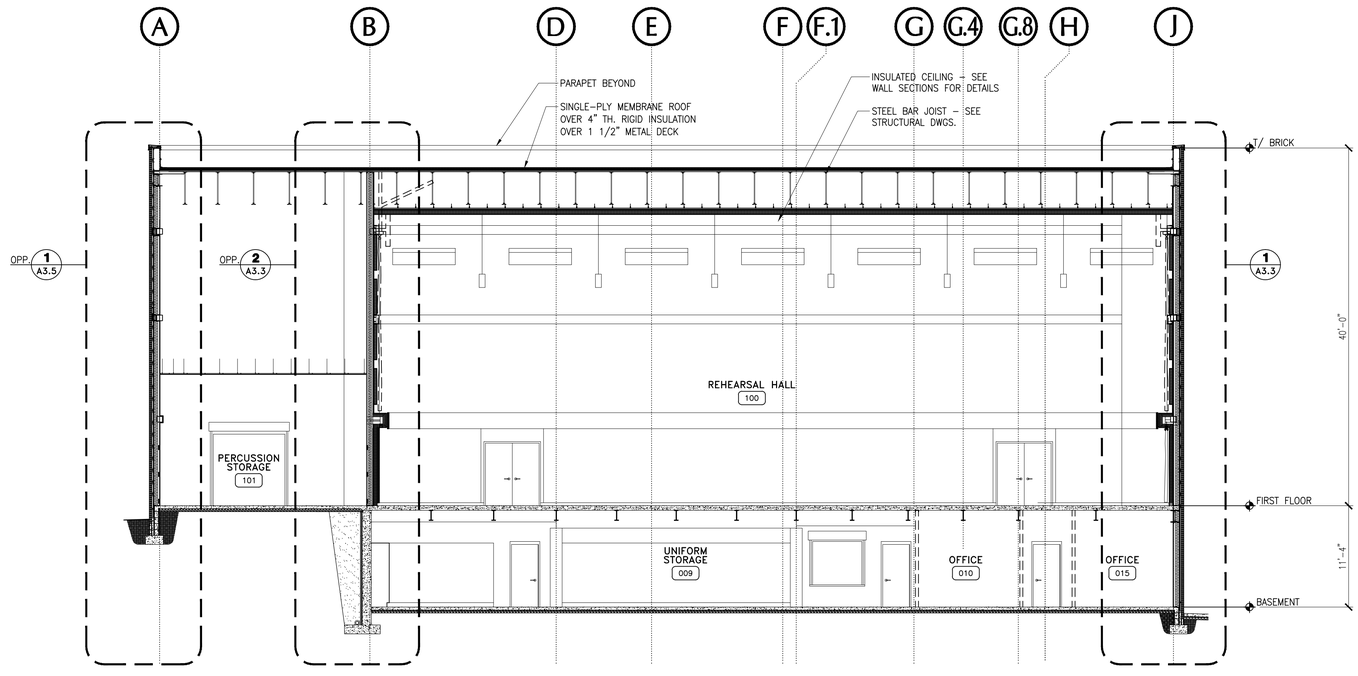
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AND
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Project Number 15-255

SHEET TITLE:
EAST ELEVATION (ALTERNATE)

DRAWN BY:
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DATE:
6-14-2017
FILE NUMBER:
-
PROJECT NUMBER:
16-111
SHEET NUMBER:
A2.3



1 BUILDING SECTION
A3.1 SCALE: 1/8" = 1'-0"



2 BUILDING SECTION
A3.1 SCALE: 1/8" = 1'-0"

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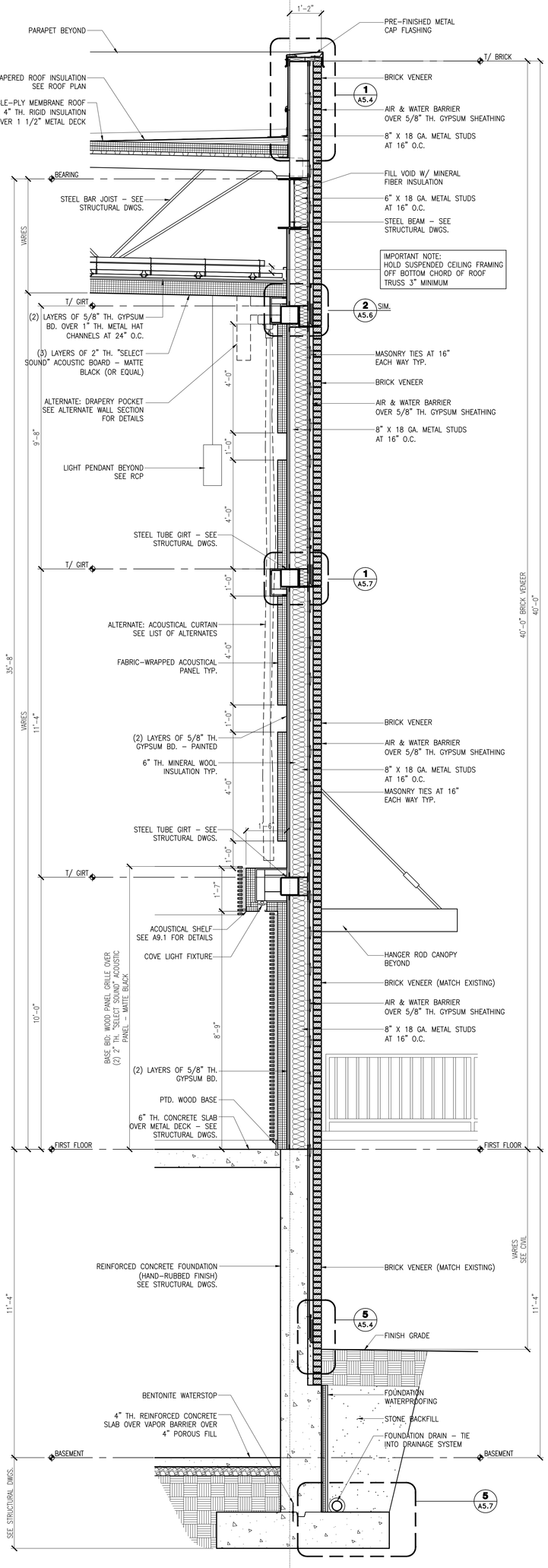
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GOODWIN HALL - RENOVATION
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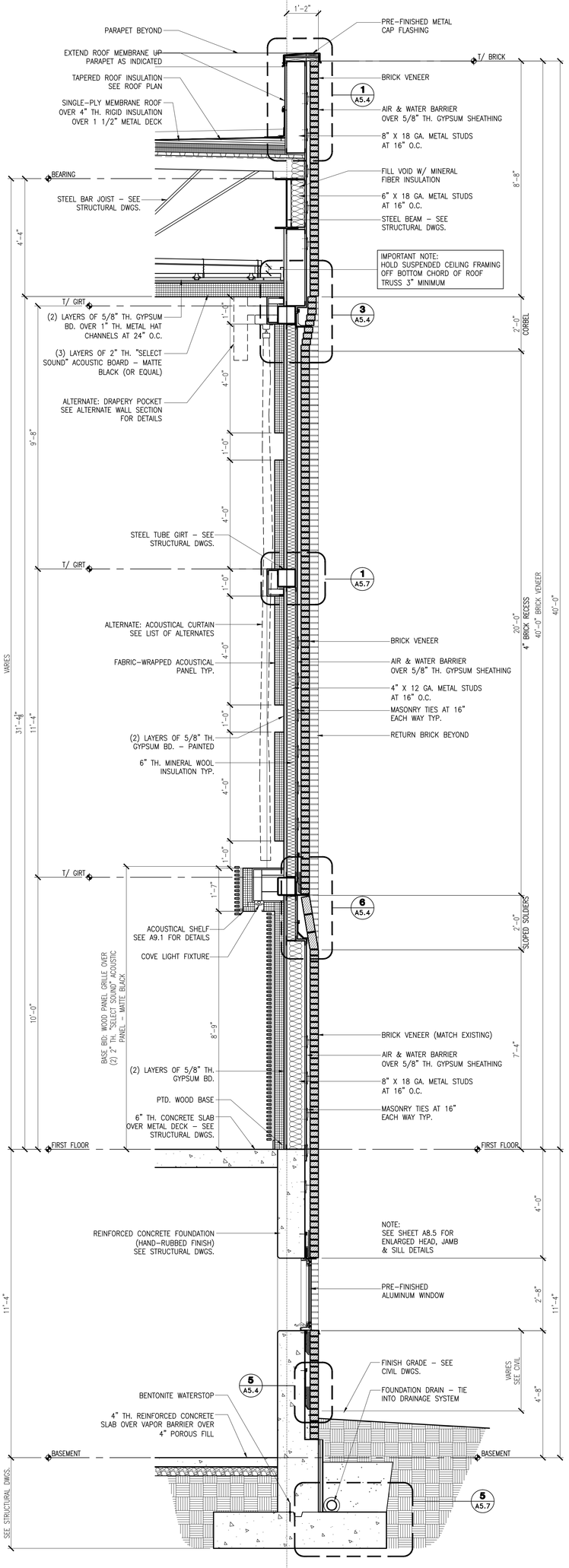
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BUILDING SECTIONS

DRAWN BY:
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CHECKED BY:
-
DATE:
6-14-2017
FILE NUMBER:
-
PROJECT NUMBER:
16-111
SHEET NUMBER:

A3.1



1 A3.2 WALL SECTION - BASE BID
SCALE: 1/2" = 1'-0"



2 A3.2 WALL SECTION - BASE BID
SCALE: 1/2" = 1'-0"

GOODWIN HALL - RENOVATION
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Project Number 15-255

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Drawn By:

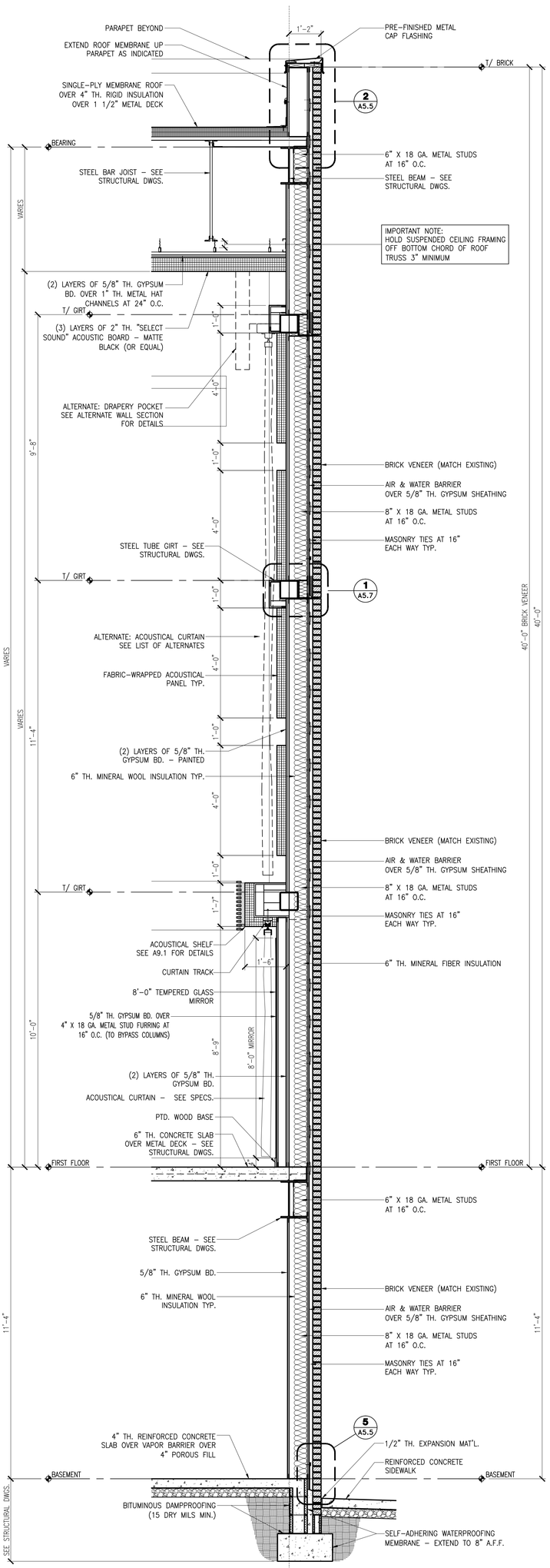
STATE OF ALABAMA REGISTERED ARCHITECTS
JAMES T. BARGANIER 4429
WILLIAM DAVIS 4430
JAMES T. SIMS 4431

No.	Revision	Date
-	-	-

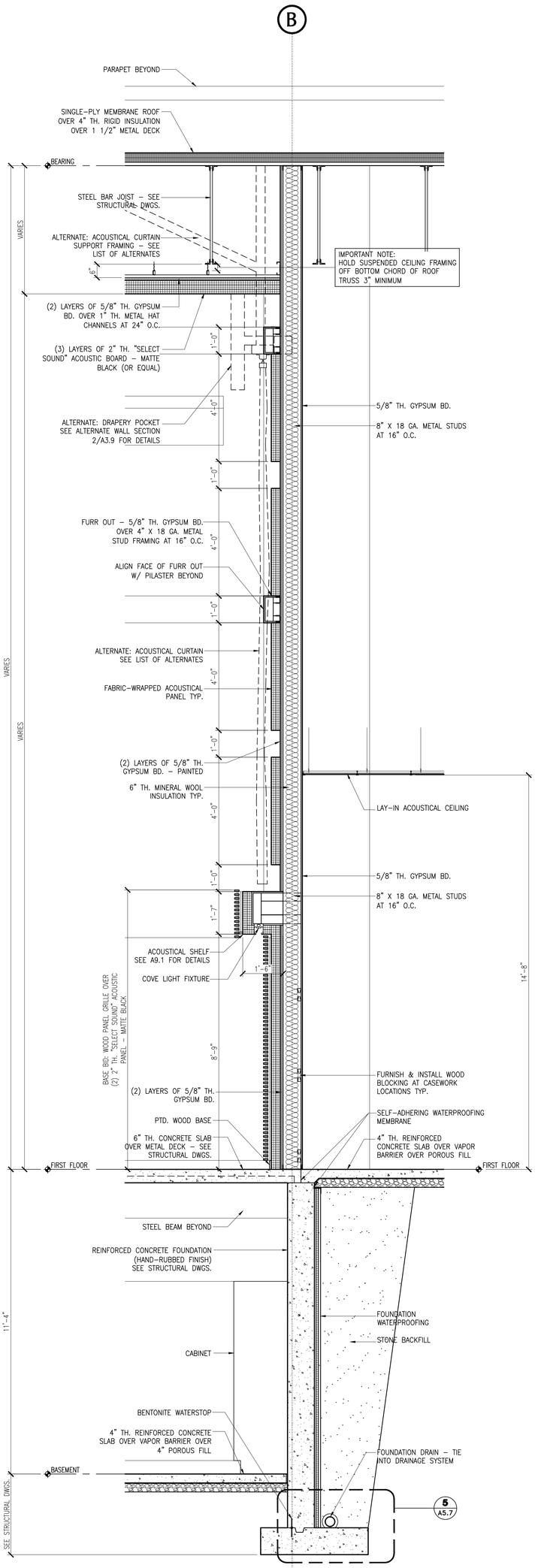
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SHEET TITLE: **WALL SECTIONS**
DRAWN BY: -
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DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER:

A3.2



1 WALL SECTION - BASE BID
A3.3 SCALE: 1/2" = 1'-0"



2 WALL SECTION - BASE BID
A3.3 SCALE: 1/2" = 1'-0"

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

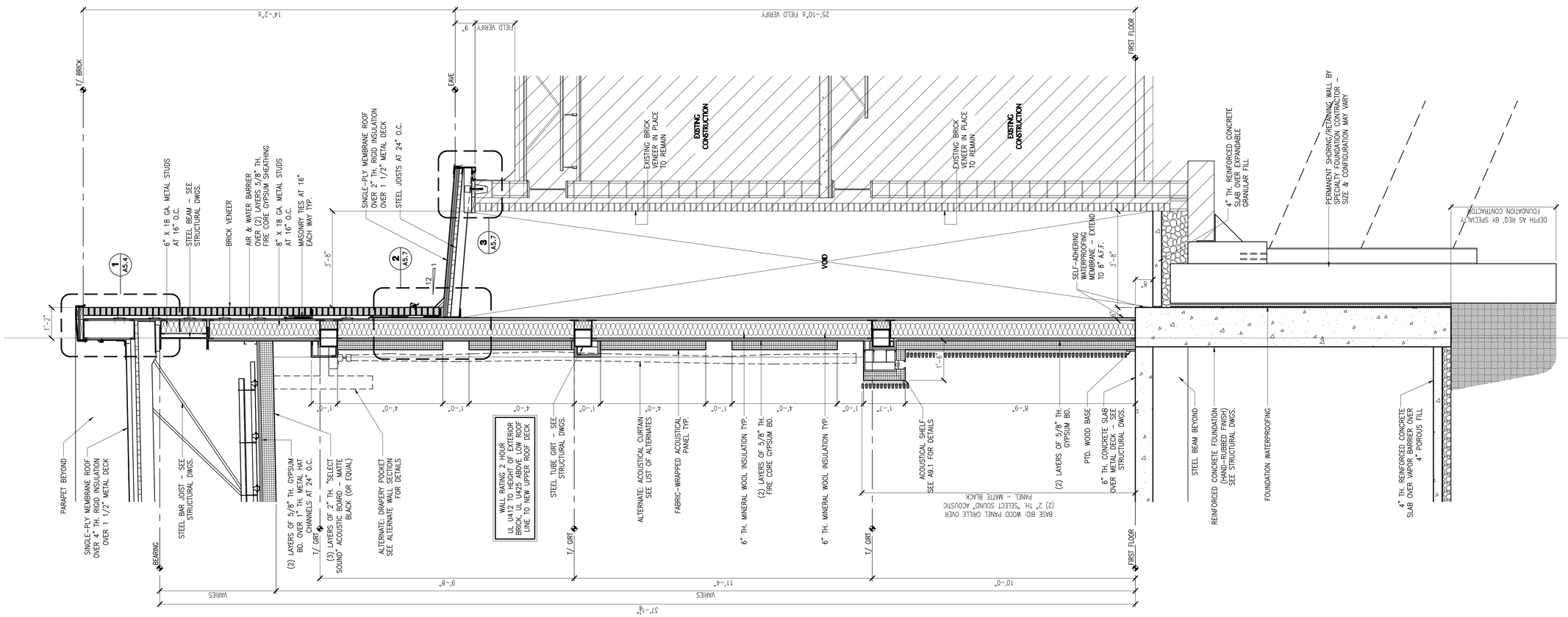
STATE OF ALABAMA REGISTERED ARCHITECTS

No.	Revision	Date
-		-

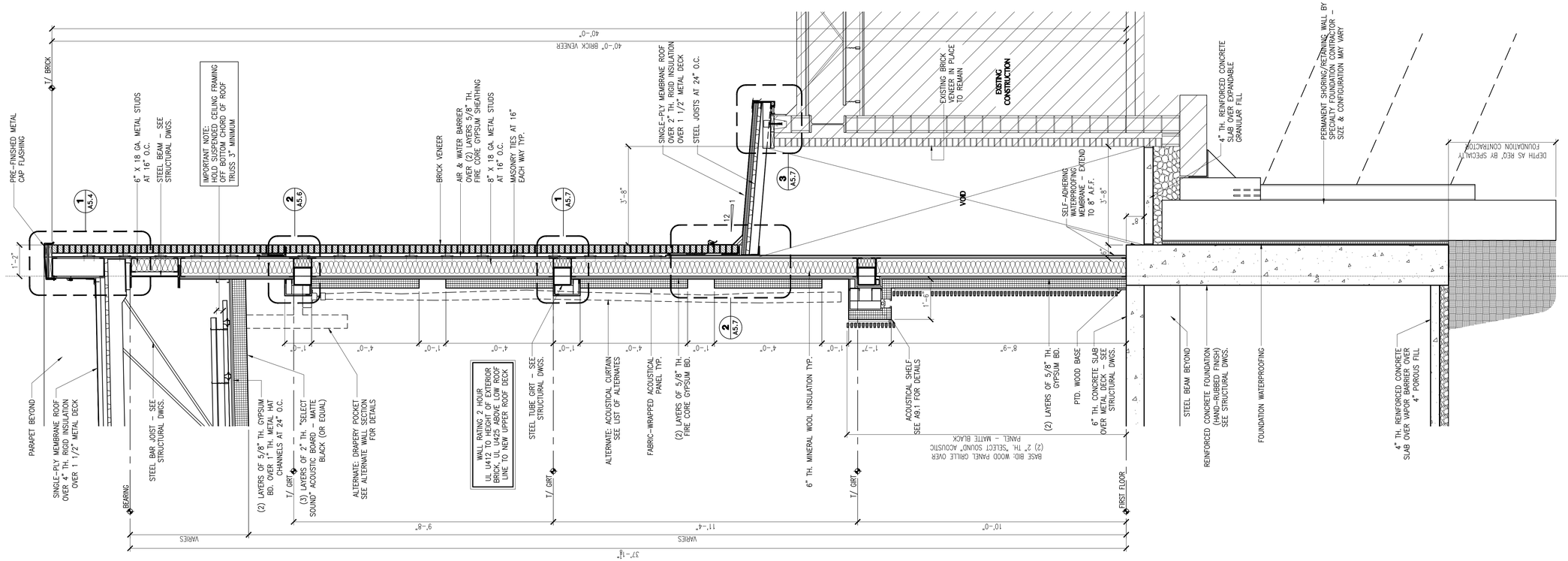
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SHEET NUMBER: **A3.3**
PROJECT NUMBER: **16-111**
FILE NUMBER: **-**
DATE: **6-14-2017**
CHECKED BY: **-**
DRAWN BY: **-**
SHEET TITLE: **WALL SECTIONS**



2 WALL SECTION – BASE BID
A3.4 SCALE 1/2" = 1'-0"



1 WALL SECTION – BASE BID
A3.4 SCALE 1/2" = 1'-0"

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STATE OF ALABAMA
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DART W. DAVIS 2767
RAY E. WILLIAMS 4239

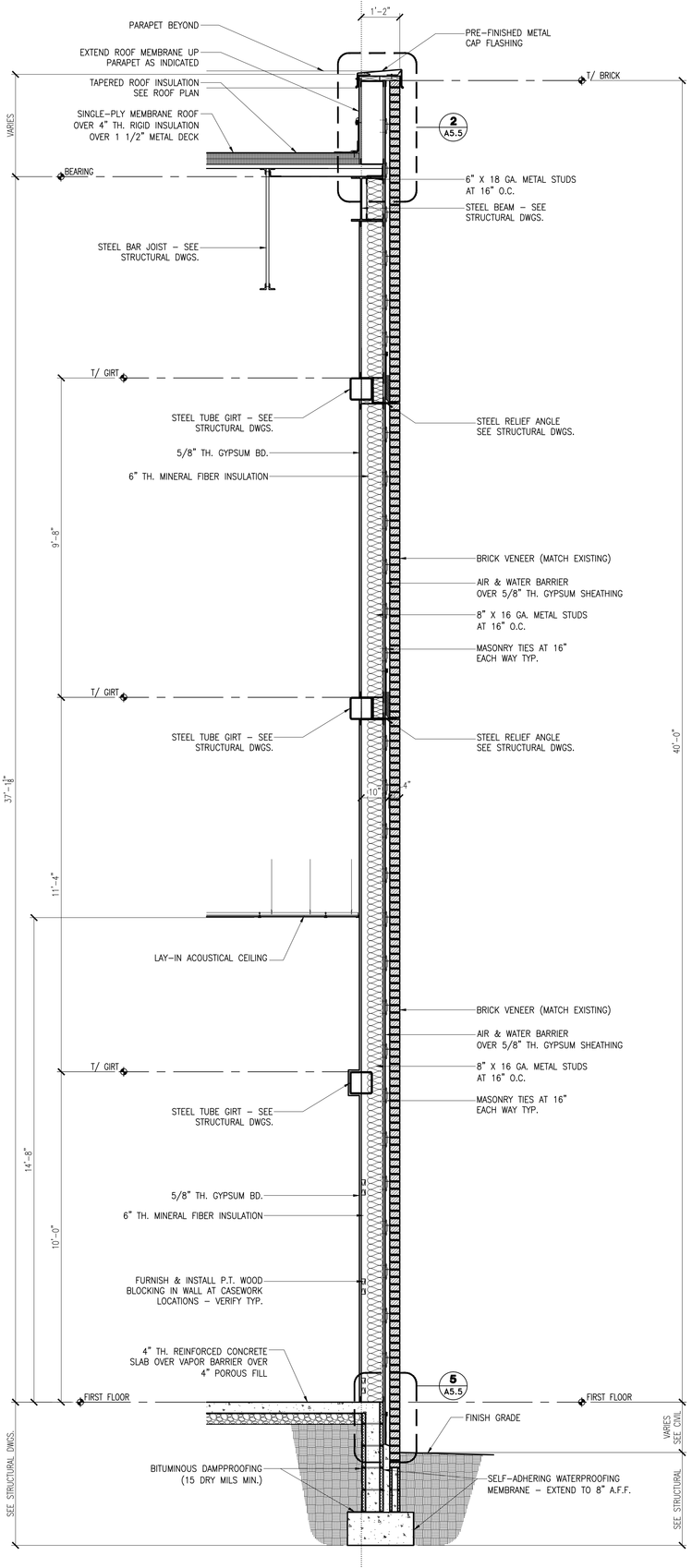
Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

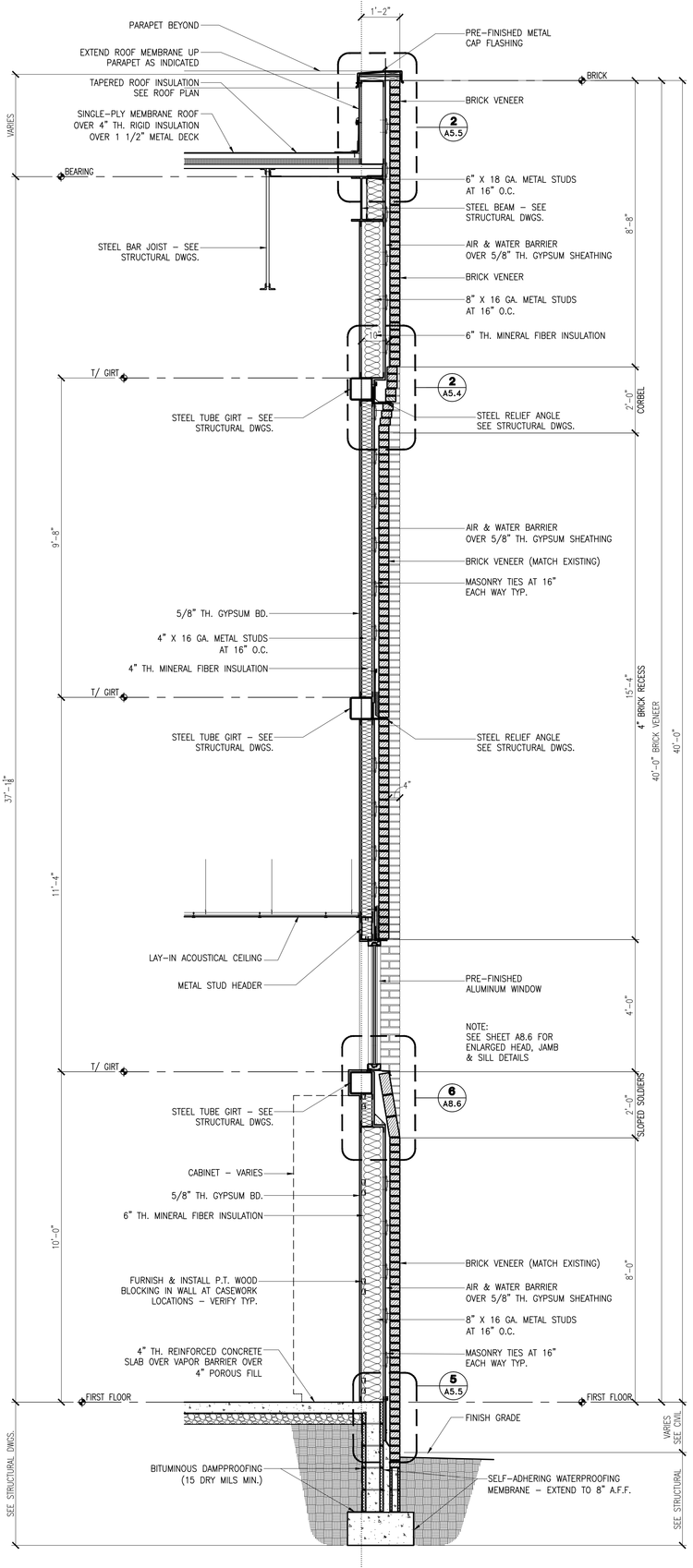
GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
WALL SECTIONS

DRAWN BY:
-
CHECKED BY:
-
DATE:
6-14-2017
FILE NUMBER:
-
PROJECT NUMBER:
16-111
SHEET NUMBER:

A3.4





GENERAL NOTES

1. ALL EXTERIOR STEEL (LINTELS, PIPE SLEEVES, RAILINGS, ETC.) SHALL BE PAINTED, HOT-DIPPED GALVANIZED.
2. ALL EXPOSED CONCRETE IN BASEMENT TO HAVE HAND-RUBBED FINISH. HAND-RUBBED FINISHED NOT REQUIRED BEHIND FIXED CASEWORK
3. COORDINATE ALL GAUGES OF METAL STUDS W/ STRUCTURAL DRAWINGS.
4. SEAL AROUND FULL PERIMETER OF MASONRY WALL TIES W/ DOW 795 SEALANT
5. ALL MASONRY WALL TIES SHALL BE HB-213 ADJUSTABLE TYPE OR EQUAL.

1 / A3.5 — WALL SECTION - BASE BID
SCALE: 1/2" = 1'-0"

2 / A3.5 — WALL SECTION - BASE BID
SCALE: 1/2" = 1'-0"

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

STATE OF ALABAMA REGISTERED ARCHITECTS
JAMES T. BARGANIER 4429
DAVID M. DAVIS 7629
WILLIAM M. SIMS 10276

No.	Revision	Date

SHEET TITLE: **WALL SECTIONS**
DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER: **A3.5**

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GENERAL NOTES

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4. SEAL AROUND FULL PERIMETER OF MASONRY WALL TIES W/ DOW 795 SEALANT
5. ALL MASONRY WALL TIES SHALL BE HB-213 ADJUSTABLE TYPE OR EQUAL.

1 WALL SECTION - BASE BID
A3.6 SCALE 1/2" = 1'-0"

2 WALL SECTION - BASE BID
A3.6 SCALE 1/2" = 1'-0"

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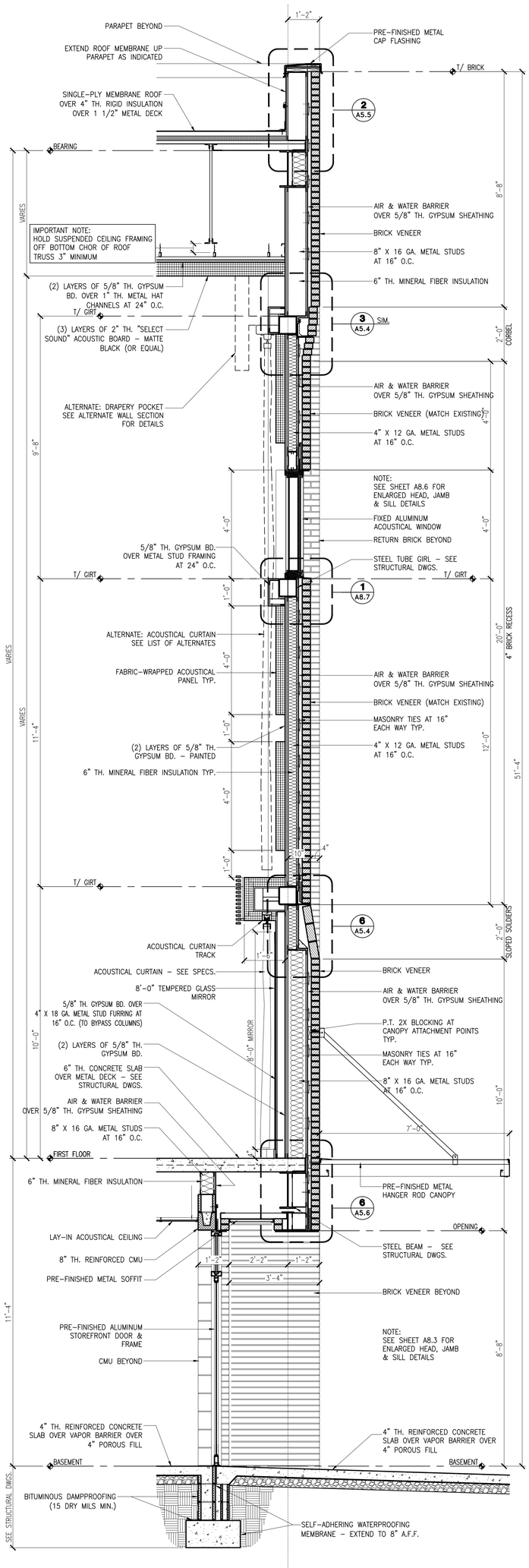
STATE OF ALABAMA
REGISTERED ARCHITECTS
JAMES I. BARGANIER 1484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2015-255
Drawn By: BARGANIER DAVIS SIMS

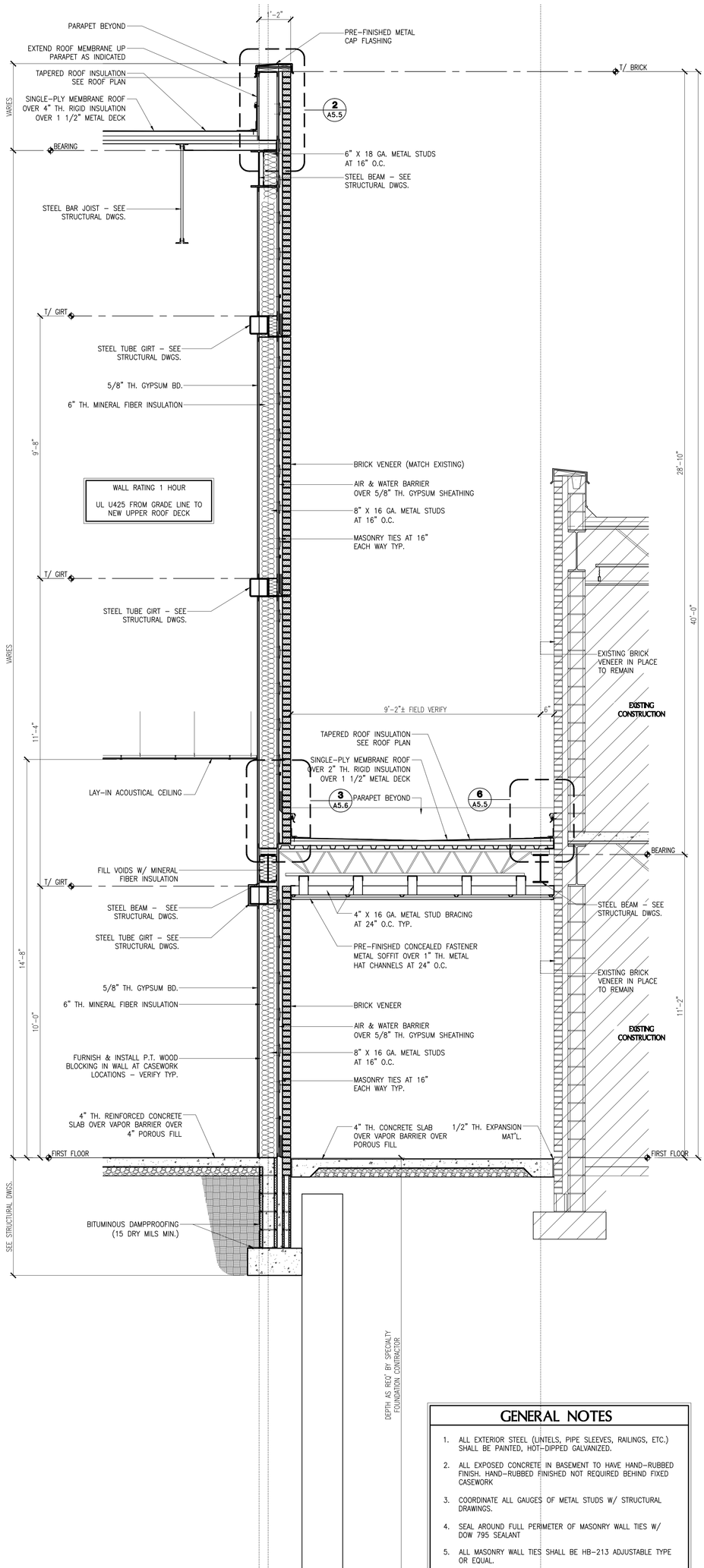
GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE: **WALL SECTIONS**

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER: **A3.6**



1 A3.7 **WALL SECTION - BASE BID**
SCALE: 1/2" = 1'-0"



2 A3.7 **WALL SECTION - BASE BID**
SCALE: 1/2" = 1'-0"

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SHEET NUMBER: **A3.7**
PROJECT NUMBER: **16-111**
DATE: **6-14-2017**
FILE NUMBER: **-**
CHECKED BY: **-**
DRAWN BY: **-**
SHEET TITLE: **WALL SECTIONS**

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

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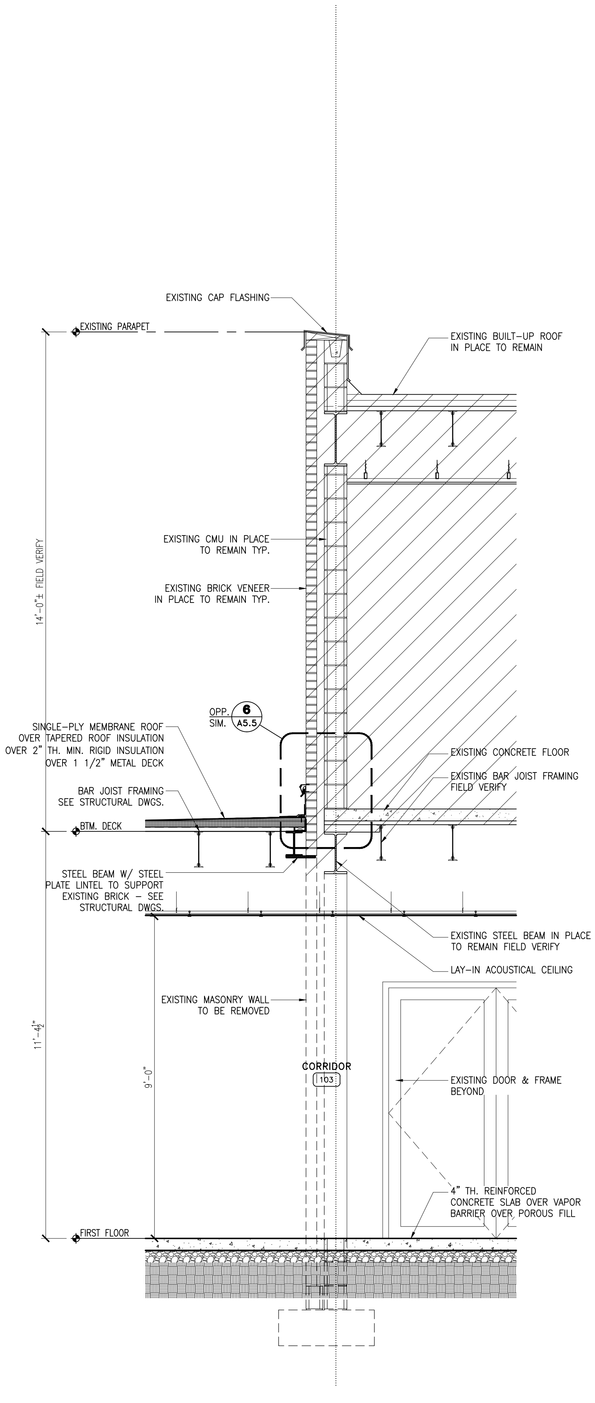
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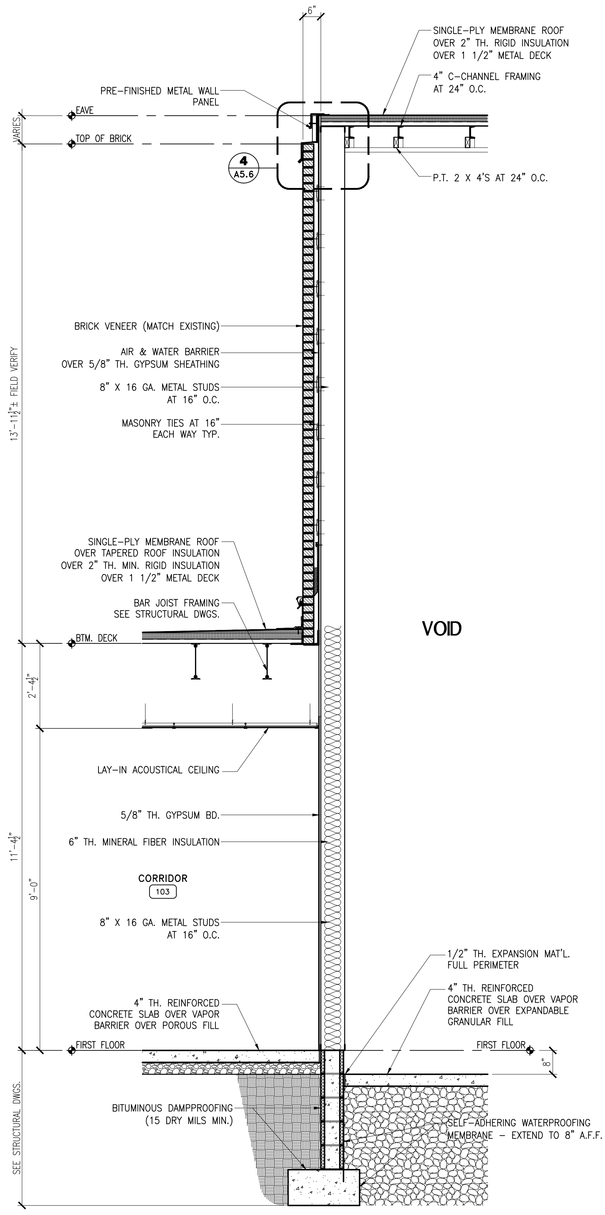
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1 WALL SECTION
A3.8 SCALE: 1/2" = 1'-0"

2 WALL SECTION
A3.8 SCALE: 1/2" = 1'-0"

A3.8

SHEET NUMBER:
PROJECT NUMBER: 16-111
FILE NUMBER: -
DATE: 6-14-2017
CHECKED BY: -
DRAWN BY: -
SHEET TITLE: WALL SECTIONS

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

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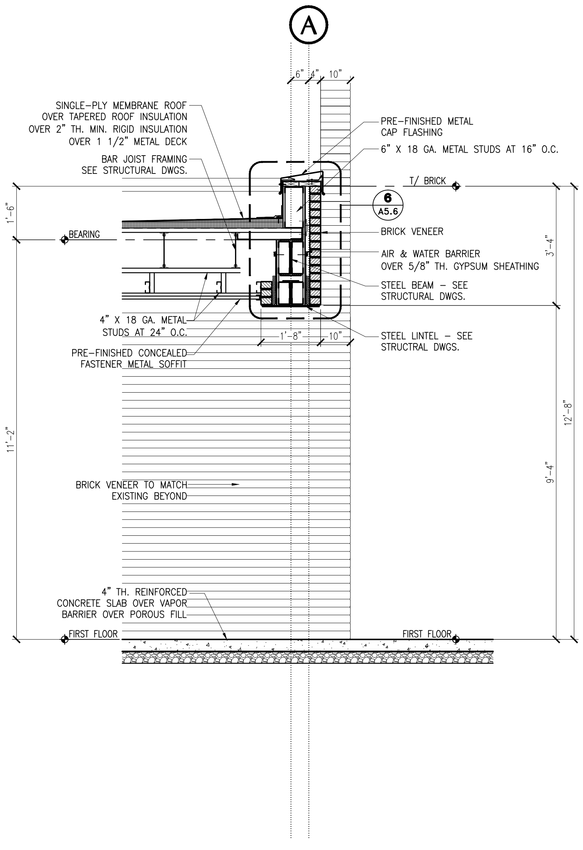
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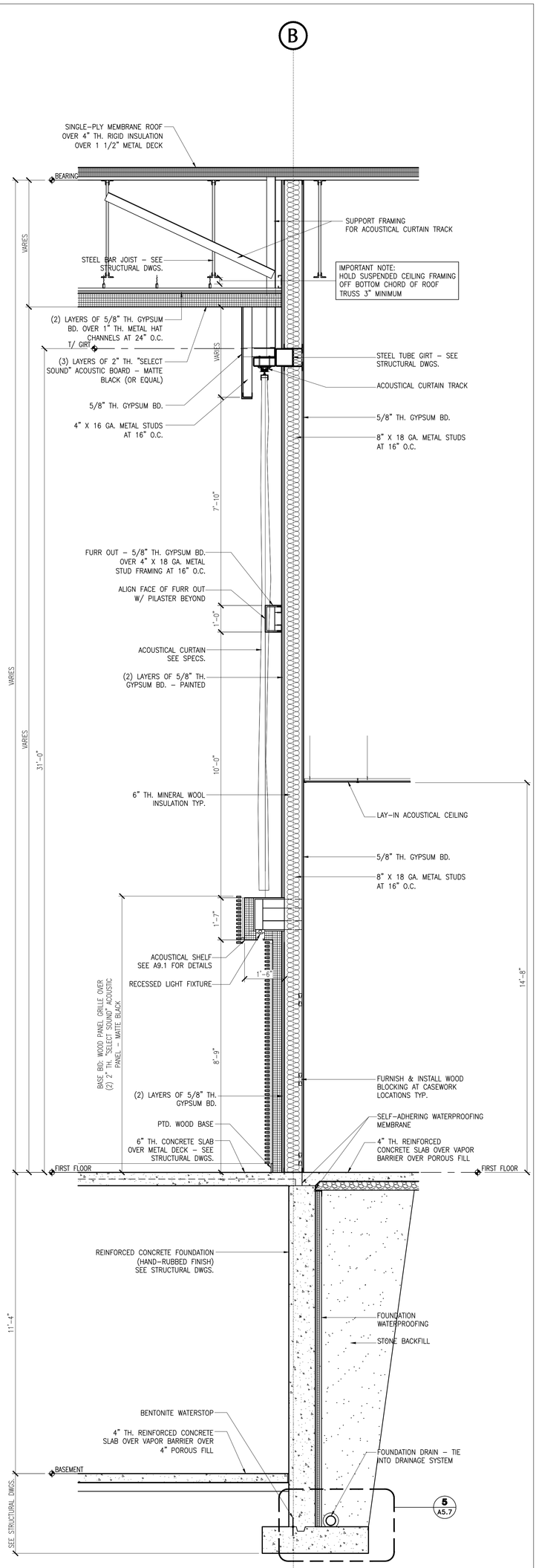
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1 / A3.9 WALL SECTION - BASE BID
SCALE: 1/2" = 1'-0"

2 / A3.9 WALL SECTION - ALTERNATE
SCALE: 1/2" = 1'-0"

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

STATE OF ALABAMA REGISTERED ARCHITECTS

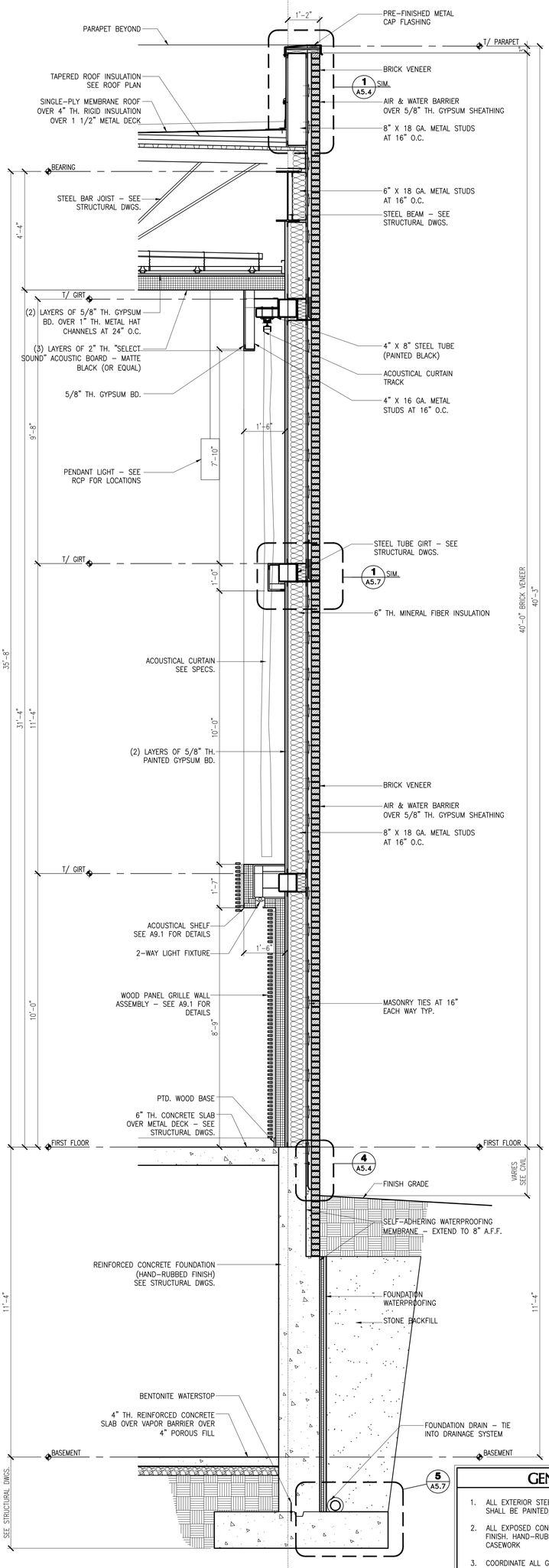
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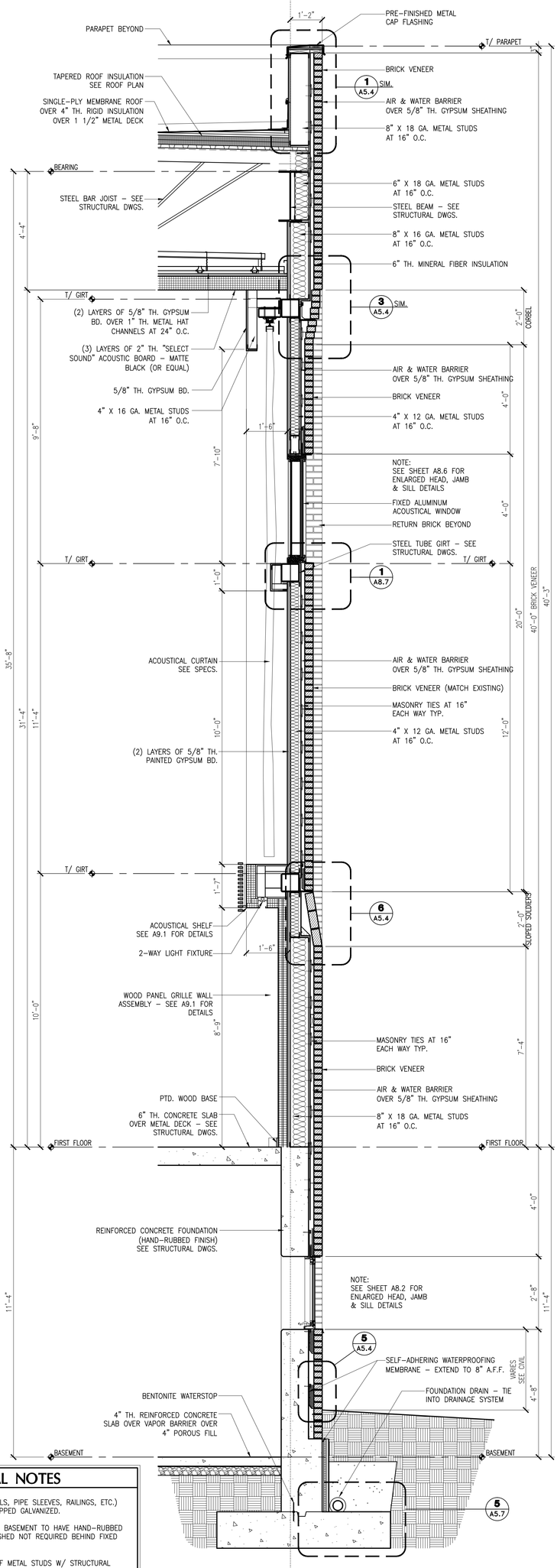
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SHEET TITLE: **WALL SECTIONS**
DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER:

A3.9



1 WALL SECTION - ALTERNATE
A3.10 SCALE: 1/2" = 1'-0"



2 WALL SECTION - ALTERNATE
A3.10 SCALE: 1/2" = 1'-0"

GENERAL NOTES

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SHEET NUMBER: A3.10
PROJECT NUMBER: 16-111
DATE: 6-14-2017
FILE NUMBER: -
CHECKED BY: -
DRAWN BY: -
SHEET TITLE: WALL SECTIONS

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AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

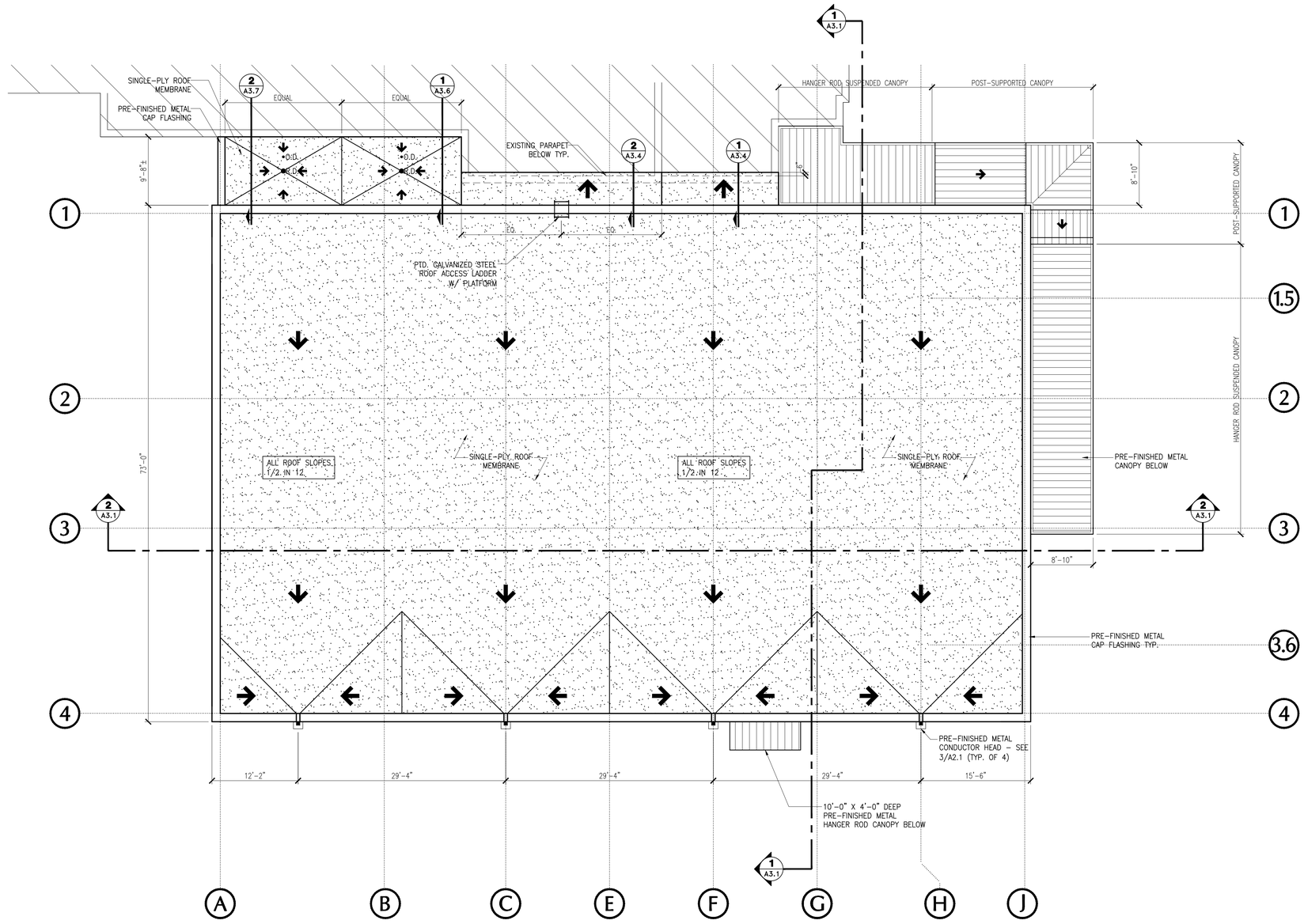
Project Number: 2015-255
BARGANIER DAVIS SIMS
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STATE OF ALABAMA REGISTERED ARCHITECTS

No.	Revision	Date

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1 ROOF PLAN
A4.1 SCALE: 1/8" = 1'-0"

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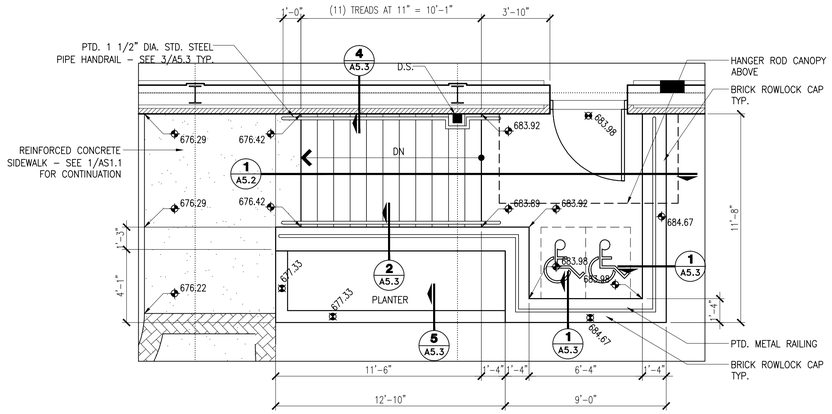
STATE OF ALABAMA
REGISTERED ARCHITECTS
JAMES I. BARGANIER 1484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
ROOF PLAN

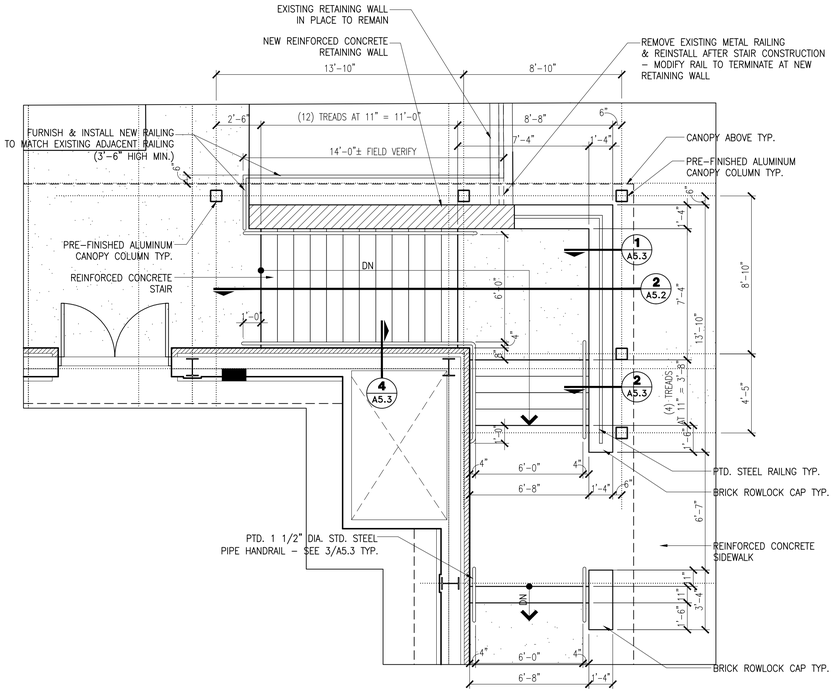
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-
CHECKED BY:
-
DATE:
6-14-2017
FILE NUMBER:
-
PROJECT NUMBER:
16-111
SHEET NUMBER:
A4.1



FIRST FLOOR

1 A5.1 ENLARGED STAIR PLAN

SCALE: 1/4" = 1'-0"



FIRST FLOOR

2 A5.1 ENLARGED STAIR PLAN

SCALE: 1/4" = 1'-0"

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No.	Revision	Date
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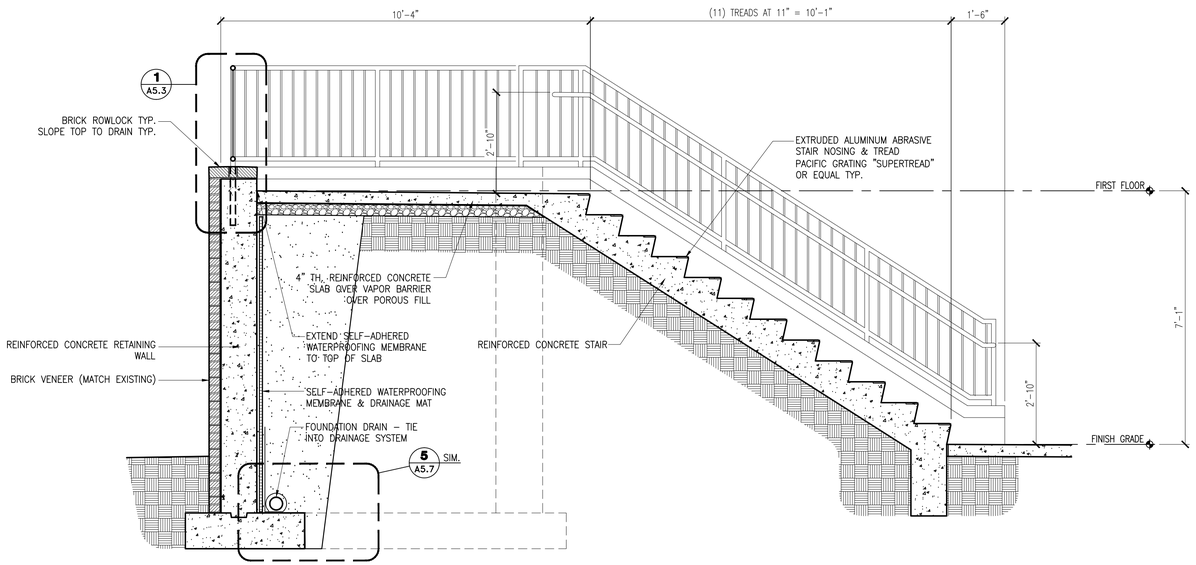
STATE OF ALABAMA
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JAMES I. BARGANIER 1484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

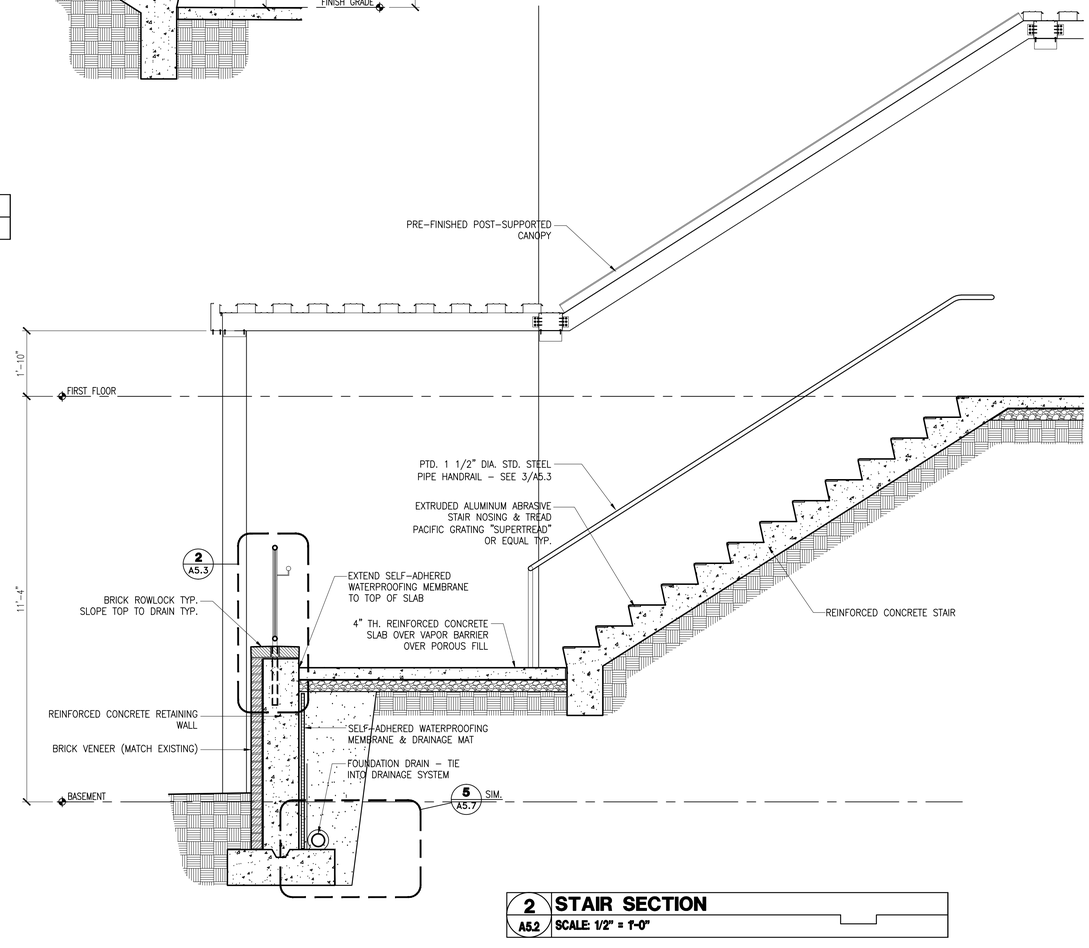
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
ENLARGED TOILET PLAN

DRAWN BY:
-
CHECKED BY:
-
DATE:
6-14-2017
FILE NUMBER:
-
PROJECT NUMBER:
16-111
SHEET NUMBER:
A5.1



1 A5.2 STAIR SECTION
SCALE: 1/2" = 1'-0"



2 A5.2 STAIR SECTION
SCALE: 1/2" = 1'-0"

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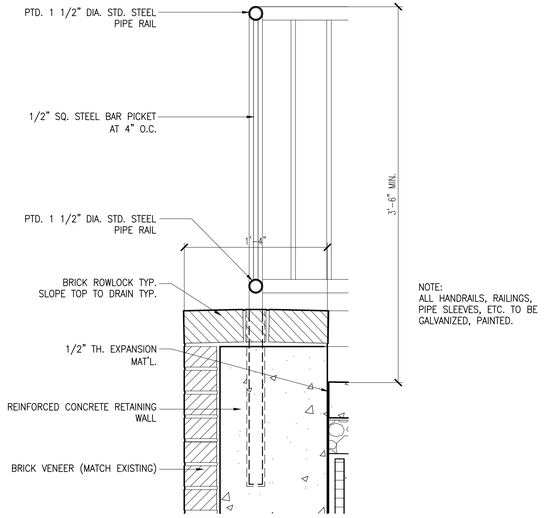
STATE OF ALABAMA
REGISTERED ARCHITECTS
JAMES I. BARGANIER 1484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

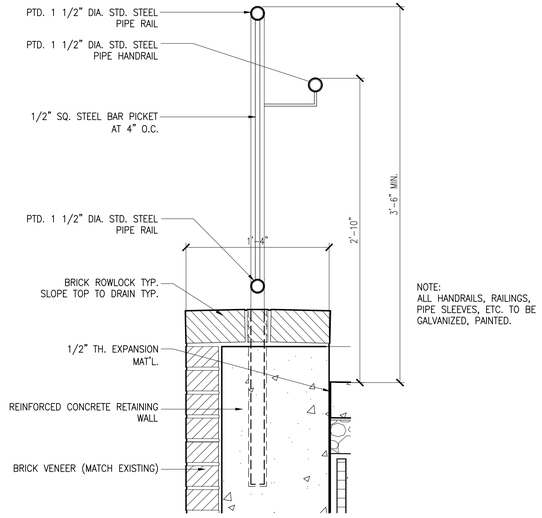
SHEET TITLE:
STAIR SECTIONS

DRAWN BY:
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CHECKED BY:
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DATE:
6-14-2017
FILE NUMBER:
-
PROJECT NUMBER:
16-111
SHEET NUMBER:
A5.2



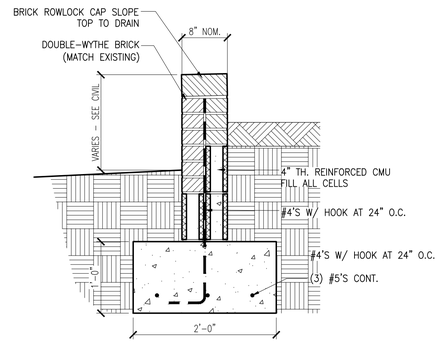
NOTE:
ALL HANDRAILS, RAILINGS, PIPE SLEEVES, ETC. TO BE GALVANIZED, PAINTED.

1 A5.3 RAILING SECTION
SCALE: 1 1/2" = 1'-0"

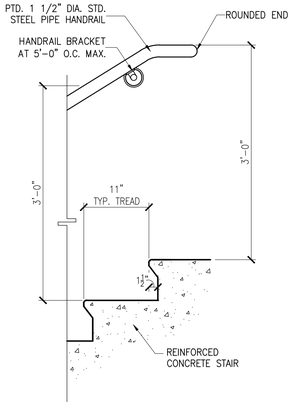


NOTE:
ALL HANDRAILS, RAILINGS, PIPE SLEEVES, ETC. TO BE GALVANIZED, PAINTED.

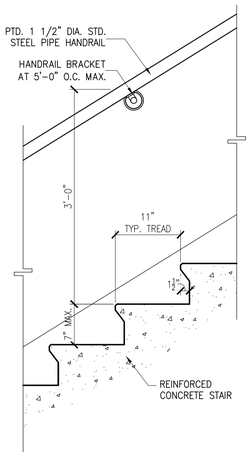
2 A5.3 RAILING SECTION
SCALE: 1 1/2" = 1'-0"



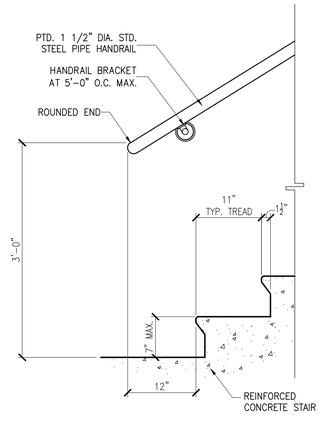
5 A5.3 PLANTER SECTION
SCALE: 1 1/2" = 1'-0"



TYP. INTERMEDIATE LANDING



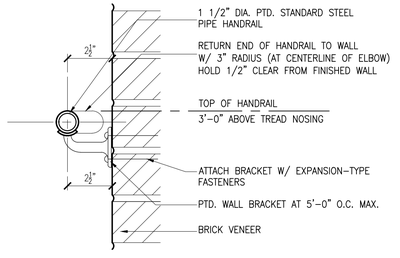
TYP. INTERMEDIATE RAILING



TYP. BOTTOM LANDING

NOTE:
ALL HANDRAILS, RAILINGS, PIPE SLEEVES, ETC. TO BE GALVANIZED, PAINTED.

3 A5.3 TYP. HANDRAIL DETAIL
SCALE: 1" = 1'-0"



AT MASONRY WALL

NOTE:
ALL HANDRAILS, RAILINGS, PIPE SLEEVES, ETC. TO BE GALVANIZED, PAINTED.

4 A5.3 HANDRAIL SECTION
SCALE: 3" = 1'-0"

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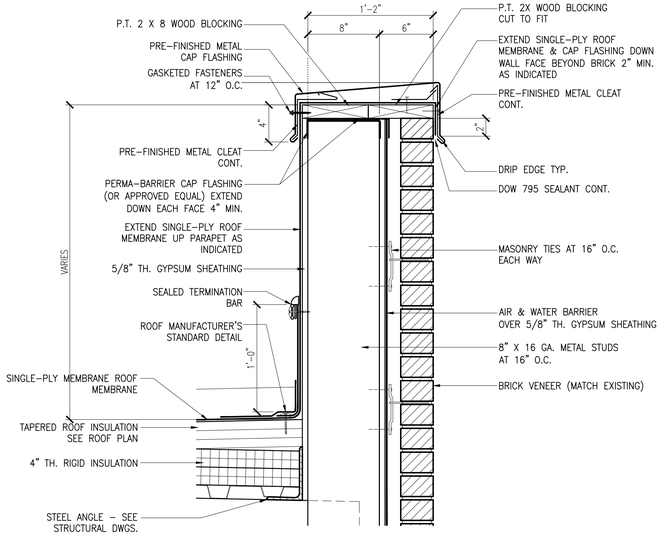
STATE OF ALABAMA REGISTERED ARCHITECTS
JAMES I. BARGANIER 1484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

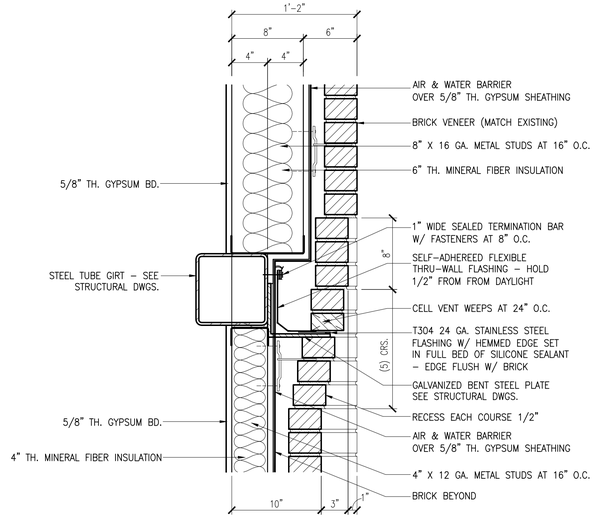
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
STAIR & RAILING DETAILS

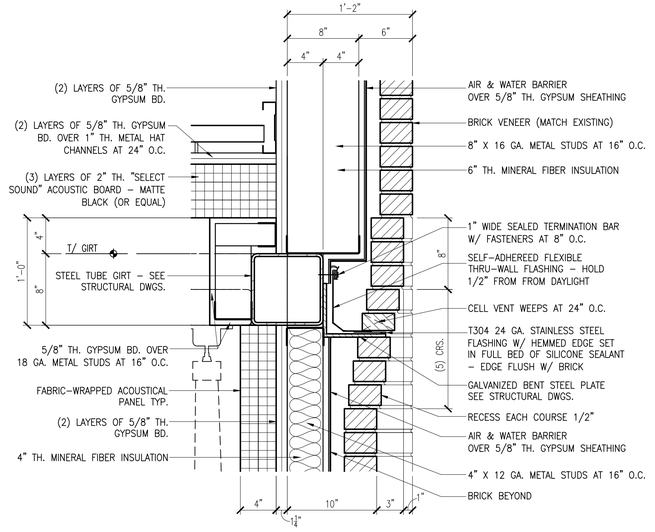
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-
CHECKED BY:
-
DATE:
6-14-2017
FILE NUMBER:
-
PROJECT NUMBER:
16-111
SHEET NUMBER:
A5.3



1 SECTION DETAIL — A5.4 — SCALE: 1 1/2" = 1'-0"

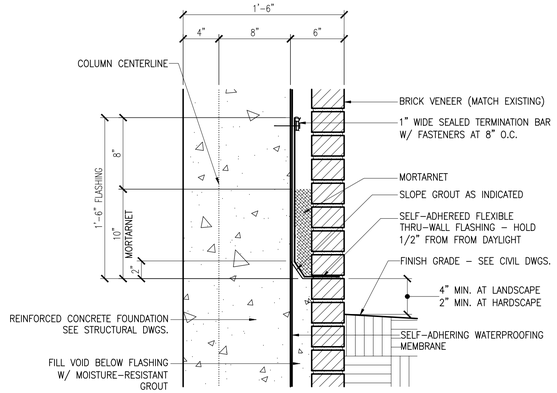


2 SECTION DETAIL — A5.4 — SCALE: 1 1/2" = 1'-0"

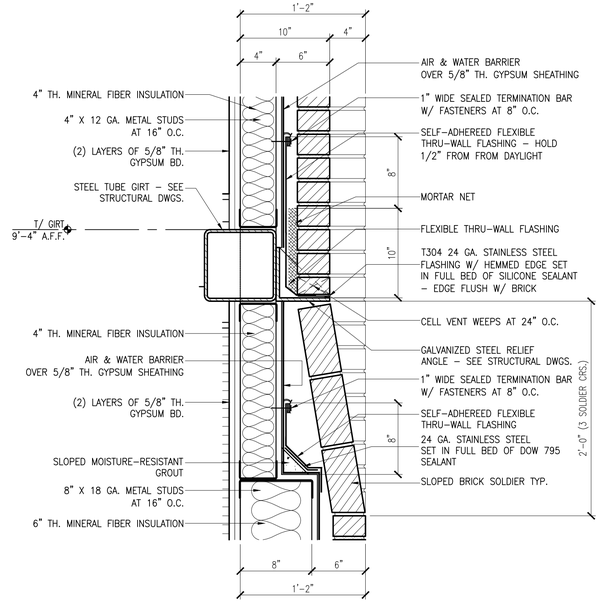


3 SECTION DETAIL — A5.4 — SCALE: 1 1/2" = 1'-0"

4 -NOT USED- — A5.4 — SCALE: 1 1/2" = 1'-0"



5 SECTION DETAIL — A5.4 — SCALE: 1 1/2" = 1'-0"



6 SECTION DETAIL — A5.4 — SCALE: 1 1/2" = 1'-0"

GENERAL NOTES

1. ALL MORTARNET SHALL BE 10" TALL MINIMUM.
2. HOLD ALL THRU-WALL FLASHING FROM FACE OF BRICK/DAYLIGHT.
3. ALL THRU-WALL FLASHING SHALL EXTEND 8" MINIMUM ABOVE TOP OF MORTARNET.
4. PROVIDE ALL METAL THRU-WALL FLASHING W/ 2" MIN. EDGE DAMS

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RAY E. WILLIAMS 4239

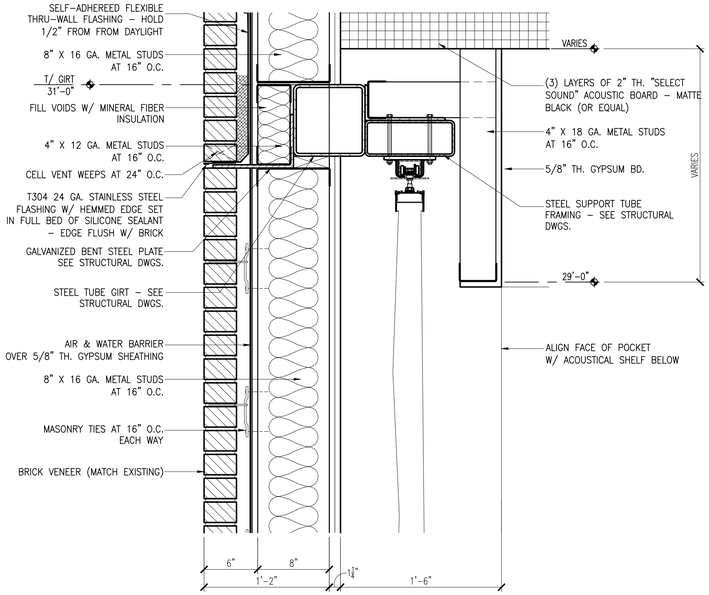
Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

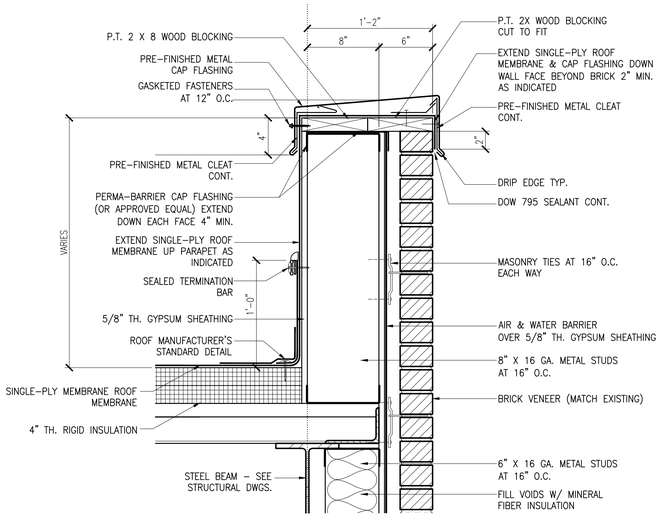
SHEET TITLE:
SECTION DETAILS

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER:

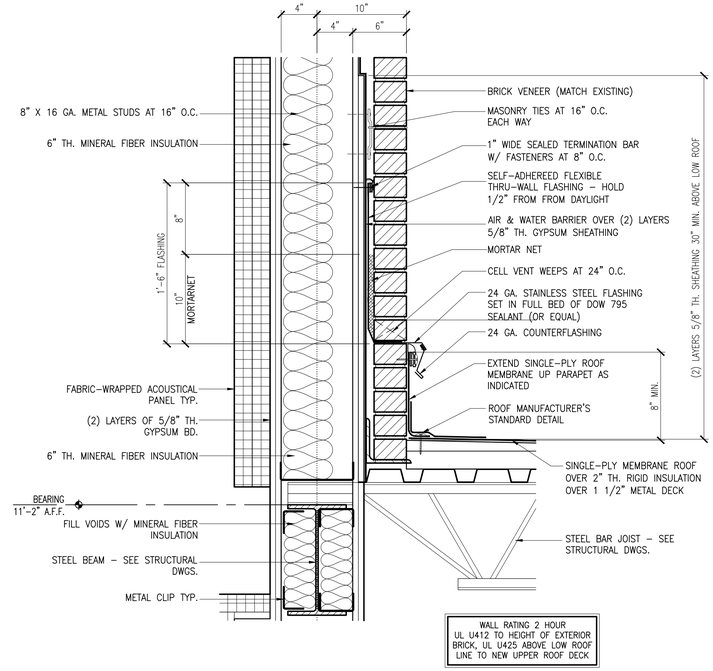
A5.4



1 SECTION DETAIL (ALTERNATE)
A5.5 SCALE: 1 1/2" = 1'-0"



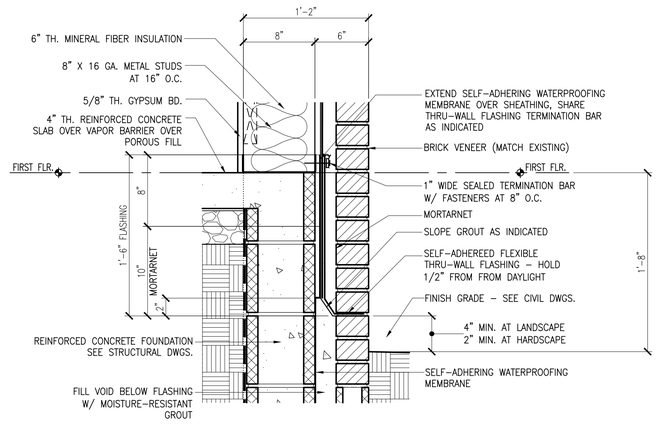
2 SECTION DETAIL
A5.5 SCALE: 1 1/2" = 1'-0"



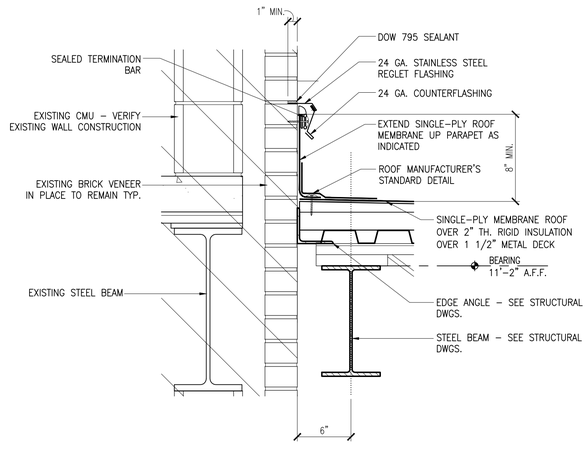
WALL RATING 2 HOUR
UL U412 TO HEIGHT OF EXTERIOR BRICK, UL U425 ABOVE LOW ROOF LINE TO NEW UPPER ROOF DECK

3 SECTION DETAIL
A5.5 SCALE: 1 1/2" = 1'-0"

4 -NOT USED-
A5.5 SCALE: 3" = 1'-0"



5 SECTION DETAIL
A5.5 SCALE: 1 1/2" = 1'-0"



6 SECTION DETAIL
A5.5 SCALE: 1 1/2" = 1'-0"

GENERAL NOTES

1. ALL MORTARNET SHALL BE 10" TALL MINIMUM.
2. HOLD ALL THRU-WALL FLASHING FROM FACE OF BRICK/DAYLIGHT.
3. ALL THRU-WALL FLASHING SHALL EXTEND 8" MINIMUM ABOVE TOP OF MORTARNET.
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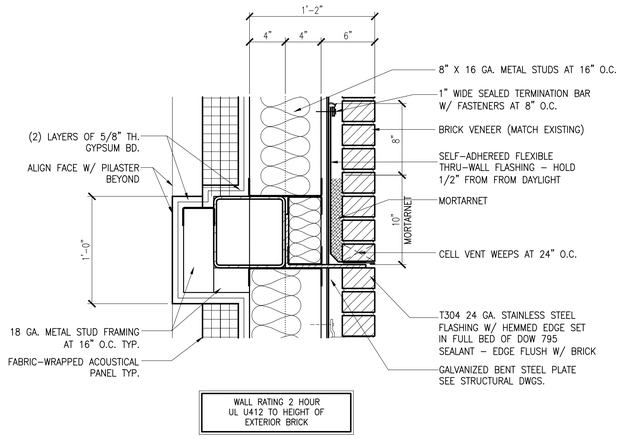
Project Number: 2015-255
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Drawn By:

GOODWIN HALL - RENOVATION
AND
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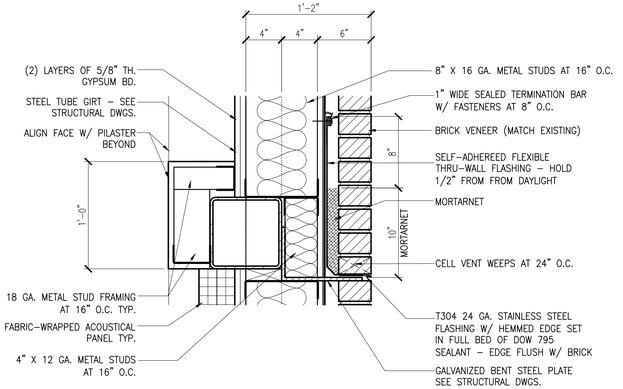
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DATE: **6-14-2017**
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PROJECT NUMBER: **16-111**
SHEET NUMBER:

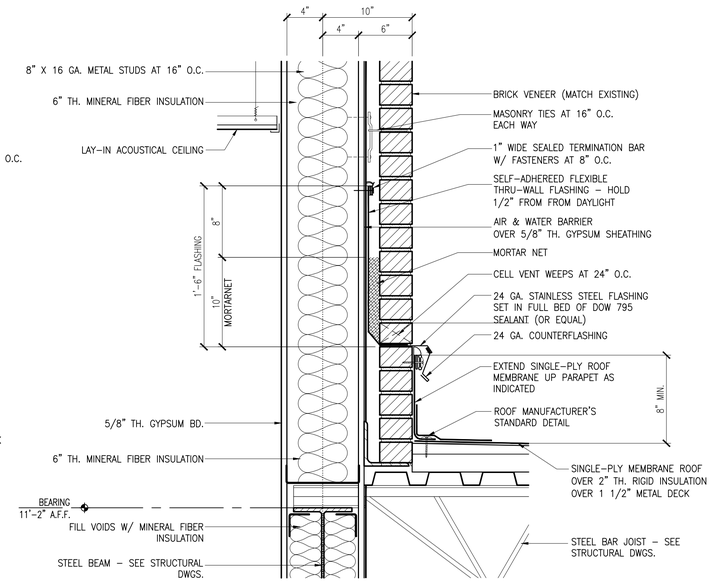
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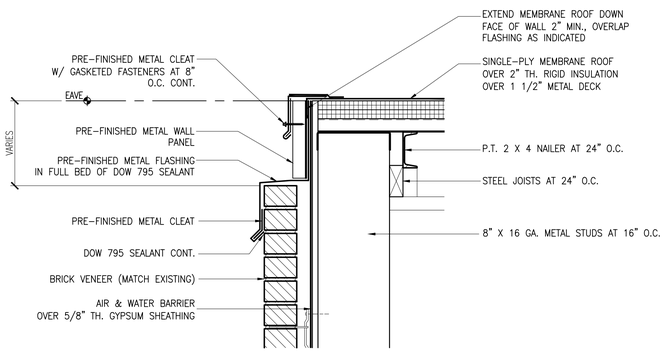
1 SECTION DETAIL — A5.6 — SCALE: 1 1/2" = 1'-0"



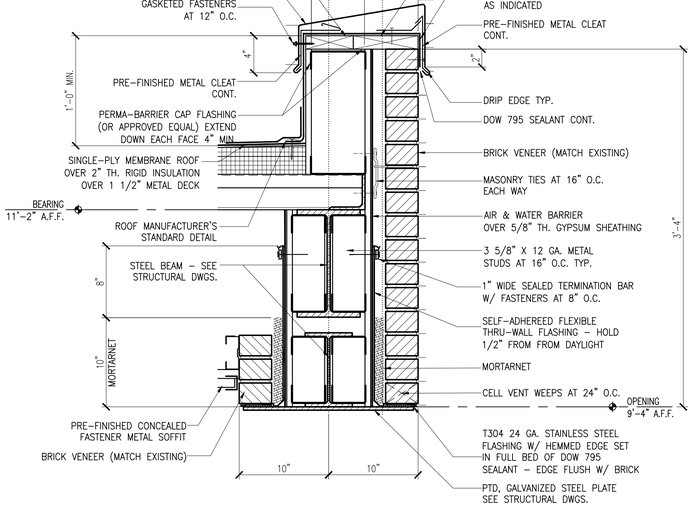
2 SECTION DETAIL — A5.6 — SCALE: 1 1/2" = 1'-0"



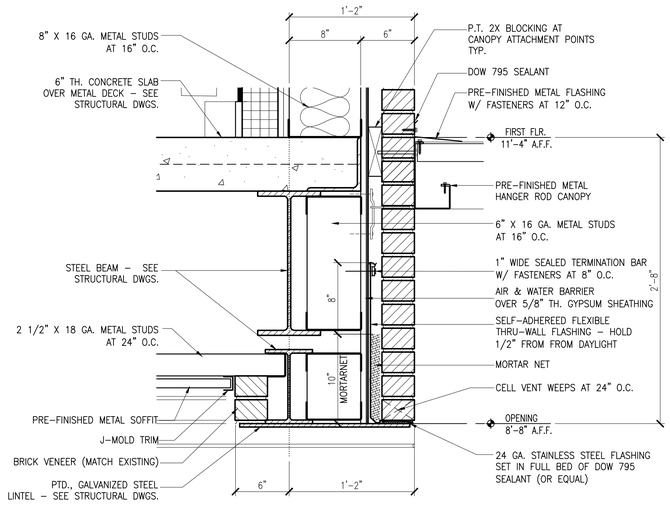
3 SECTION DETAIL — A5.6 — SCALE: 1 1/2" = 1'-0"



4 SECTION DETAIL — A5.6 — SCALE: 1 1/2" = 1'-0"



5 SECTION DETAIL — A5.6 — SCALE: 1 1/2" = 1'-0"



6 SECTION DETAIL — A5.6 — SCALE: 1 1/2" = 1'-0"

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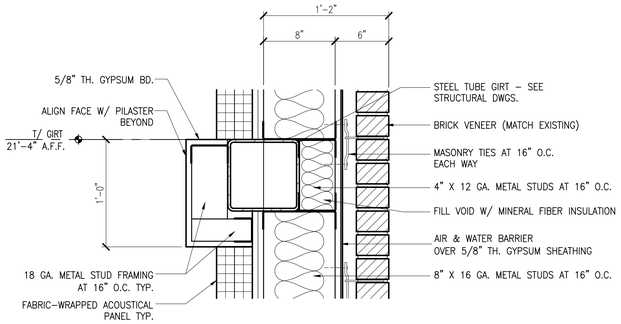
Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

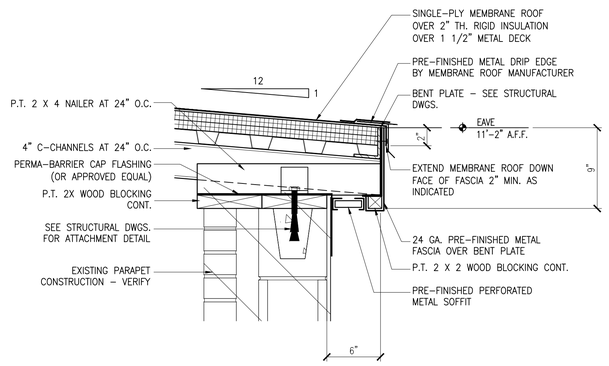
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SECTION DETAILS

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DATE: **6-14-2017**
FILE NUMBER: -
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SHEET NUMBER:

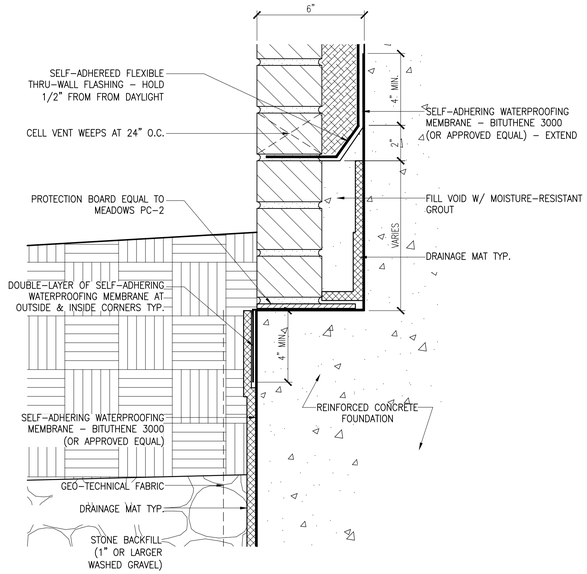
A5.6



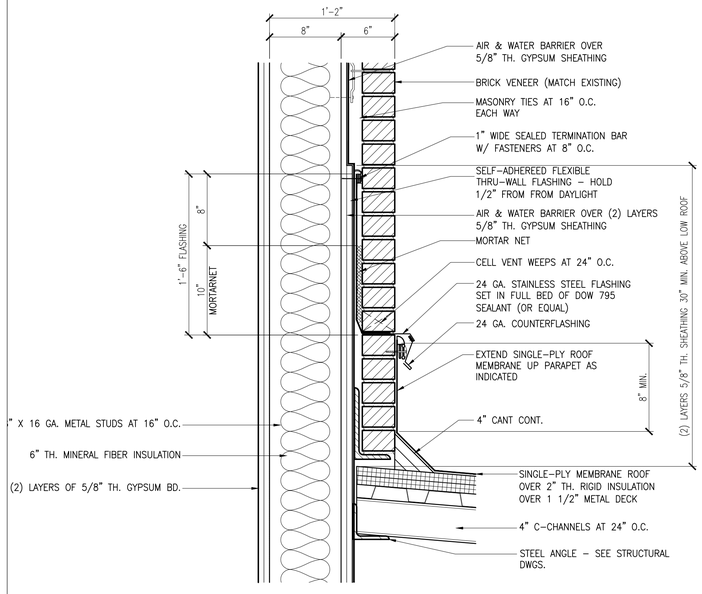
1 SECTION DETAIL
A5.7 SCALE: 1 1/2" = 1'-0"



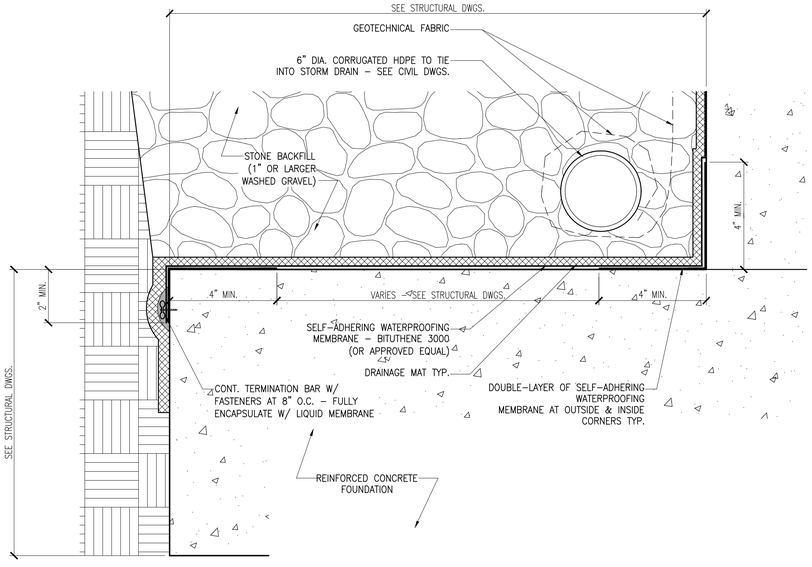
3 SECTION DETAIL
A5.7 SCALE: 1 1/2" = 1'-0"



4 TYPICAL BRICK LEDGE DETAIL
A5.7 SCALE: 3" = 1'-0"



2 SECTION DETAIL
A5.7 SCALE: 1 1/2" = 1'-0"



5 TYPICAL FOUNDATION DETAIL
A5.7 SCALE: 3" = 1'-0"

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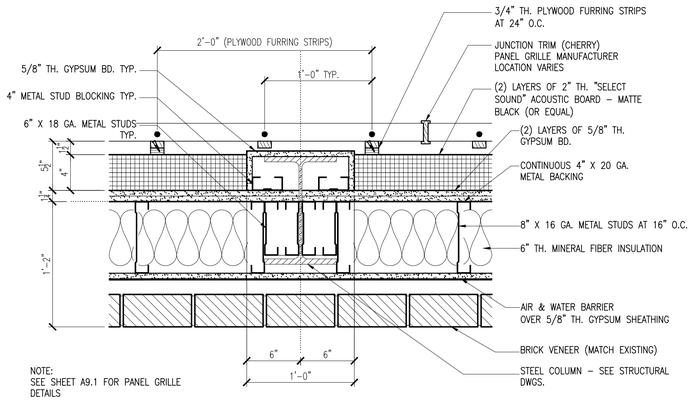
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Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

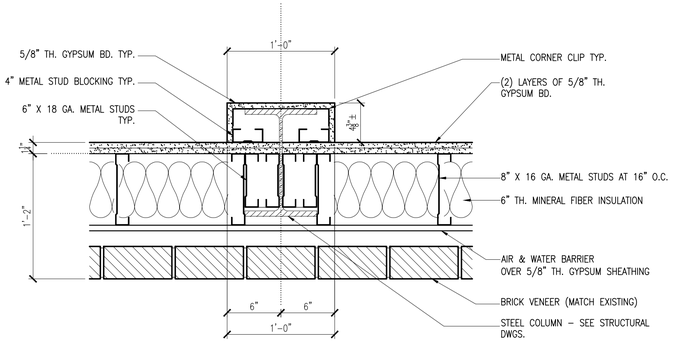
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
SECTION DETAILS

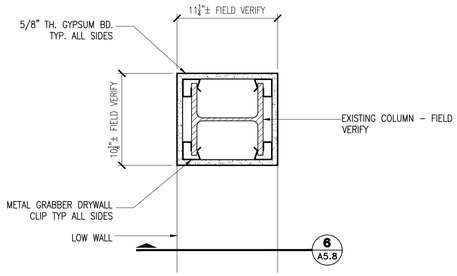
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FILE NUMBER:
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PROJECT NUMBER:
16-111
SHEET NUMBER:
A5.7



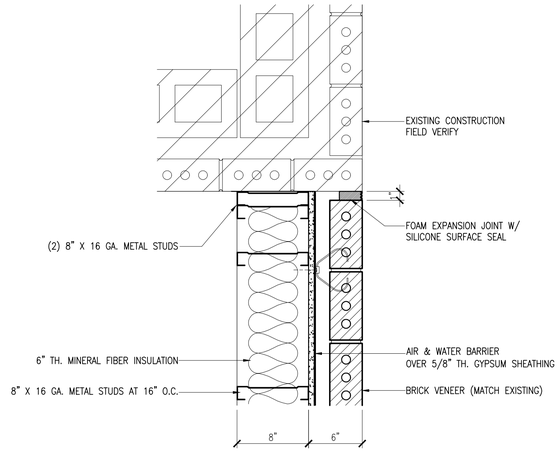
1 A5.8 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



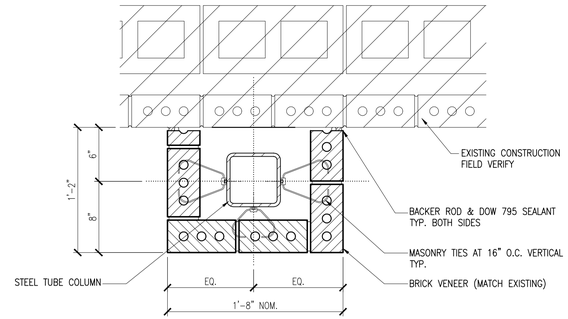
2 A5.8 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



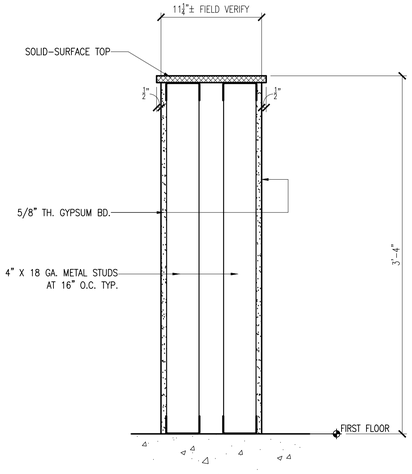
3 A5.8 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



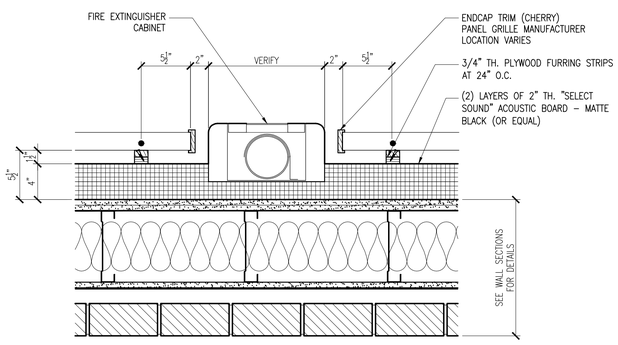
4 A5.8 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



5 A5.8 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



6 A5.8 LOW WALL SECTION
SCALE: 1 1/2" = 1'-0"



NOTE:
SEE SHEET A9.1 FOR PANEL GRILLE DETAILS

7 A5.8 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

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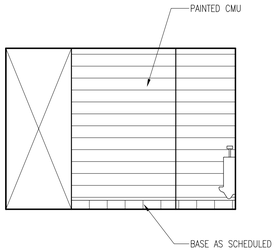
STATE OF ALABAMA REGISTERED ARCHITECTS
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RAY E. WILLIAMS 4239

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

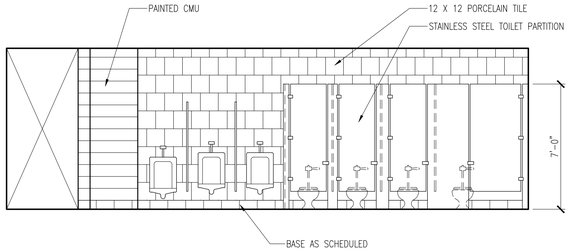
GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
PLAN DETAILS

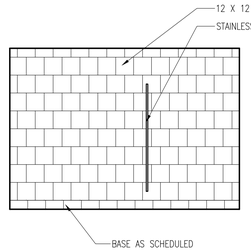
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FILE NUMBER:
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PROJECT NUMBER:
16-111
SHEET NUMBER:
A5.8



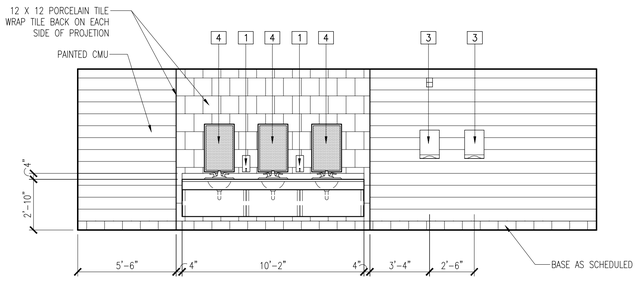
2 INTERIOR ELEVATION
A6.1 SCALE: 1/4" = 1'-0"



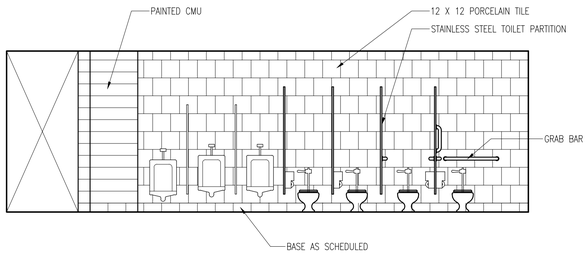
3 INTERIOR ELEVATION
A6.1 SCALE: 1/4" = 1'-0"



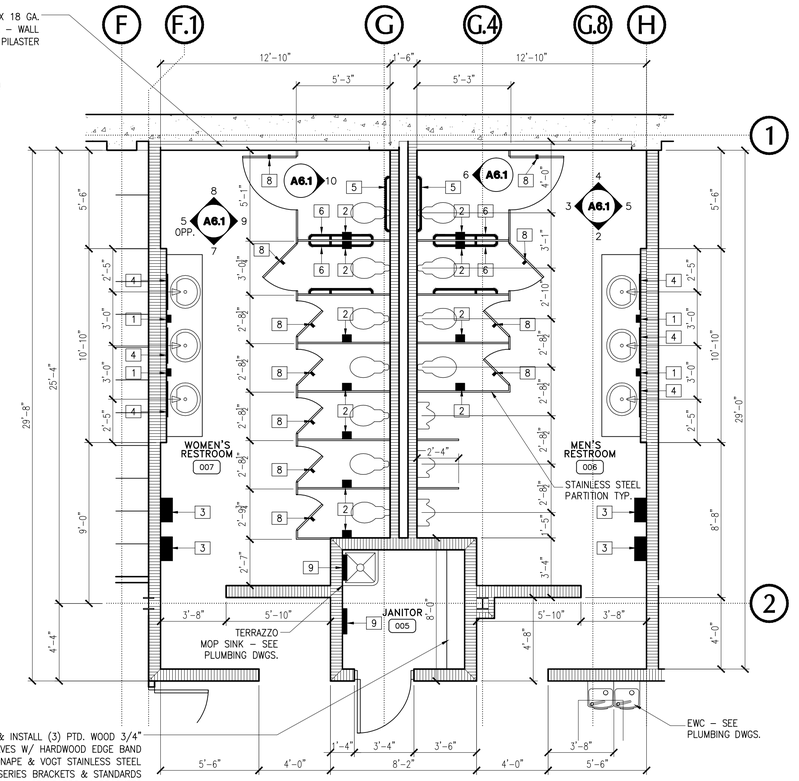
4 INTERIOR ELEVATION
A6.1 SCALE: 1/4" = 1'-0"



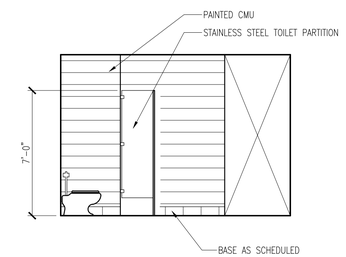
5 INTERIOR ELEVATION
A6.1 SCALE: 1/4" = 1'-0"



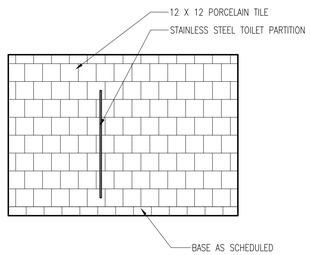
6 INTERIOR ELEVATION
A6.1 SCALE: 1/4" = 1'-0"



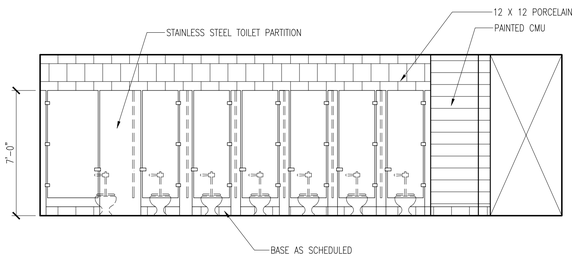
1 ENLARGED TOILET PLAN
A6.1 SCALE: 1/4" = 1'-0"



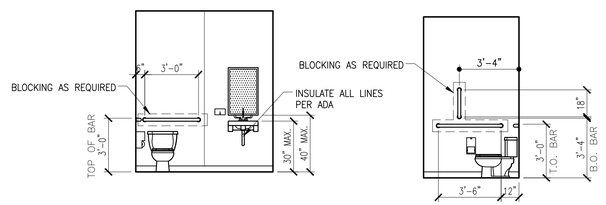
7 INTERIOR ELEVATION
A6.1 SCALE: 1/4" = 1'-0"



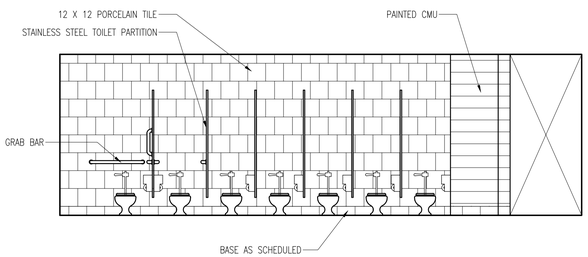
8 INTERIOR ELEVATION
A6.1 SCALE: 1/4" = 1'-0"



9 INTERIOR ELEVATION
A6.1 SCALE: 1/4" = 1'-0"



11 TYPICAL GRAB BAR DETAIL
A6.1 SCALE: 1/4" = 1'-0"



10 INTERIOR ELEVATION
A6.1 SCALE: 1/4" = 1'-0"

TOILET ACCESSORY INDEX

SYMBOL	ACCESSORY	MOUNTING HEIGHT
1	WALL MOUNTED SOAP DISPENSER "TORK ELEVATION 571608 AUTOMATIC FOAM DISPENSER, BLACK"	40" TO DISPENSING MECHANISM
2	TOILET TISSUE DISPENSER "TORK ELEVATION 5555290 TWIN TISSUE DISPENSER, BLACK"	24" AFF TO SPINDLE – 36" MAX. FROM REAR WALL TO FURTHEST FACE
3	HAND TOWEL DISPENSER "TORK ELEVATION 5510282 AUTOMATIC TOWEL DISPENSER, BLACK"	40" TO DISPENSING MECHANISM
4	FRAMED PLATE GLASS MIRROR	40" TO BOTTOM OF REFLECTIVE SURFACE
5	GRAB BAR 36"	34" AFF TO CEN. OF BAR – SEE 5/A6.0
6	GRAB BAR 42"	34" AFF TO CEN. OF BAR – SEE 5/A6.0
7	18" VERTICAL GRAB BAR	40" AFF TO BOTTOM OF BAR – SEE 5/A6.0
8	ROBE HOOK	66" AFF (48" H.C.) TO HOOK
9	MOP/BROOM HOLDER	72" AFF TO TOP OF HOLDER

TOILET ACCESSORY NOTES

[#] INDICATES TOILET ACCESSORY NUMBER – SEE THIS SHEET FOR TOILET ACCESSORY INDEX.

1. AS A GUIDELINE, MOUNT THE OPERATING FEATURE AND/OR RECEPTACLE OF THE ACCESSORY 40" A.F.F. ARCHITECT RETAINS FINAL APPROVAL.
2. OPERATING FEATURE SHALL NOT EXCEED 48" A.F.F.
3. MOUNT BOTTOM EDGE OF REFLECTIVE SURFACE ON ALL MIRRORS 40" A.F.F. MAX.
4. IN THE EVENT OF CONFLICT BETWEEN ADA REQUIREMENTS FOR ACCOMMODATION OF THE HANDICAPPED AND DIMENSIONS STATED HEREIN, ADA REQUIREMENTS SHALL GOVERN.
5. FURNISH & INSTALL ADEQUATE WOOD BLOCKING IN CMU WALLS AT ALL GRAB BAR LOCATIONS PER CODE. (250 LB.)
6. ALL TOILET ACCESSORIES TO BE BRUSHED STAINLESS STEEL FINISH UNLESS NOTED OTHERWISE.
7. FURNISH & INSTALL WOOD BLOCKING BEHIND ACCESSORIES.

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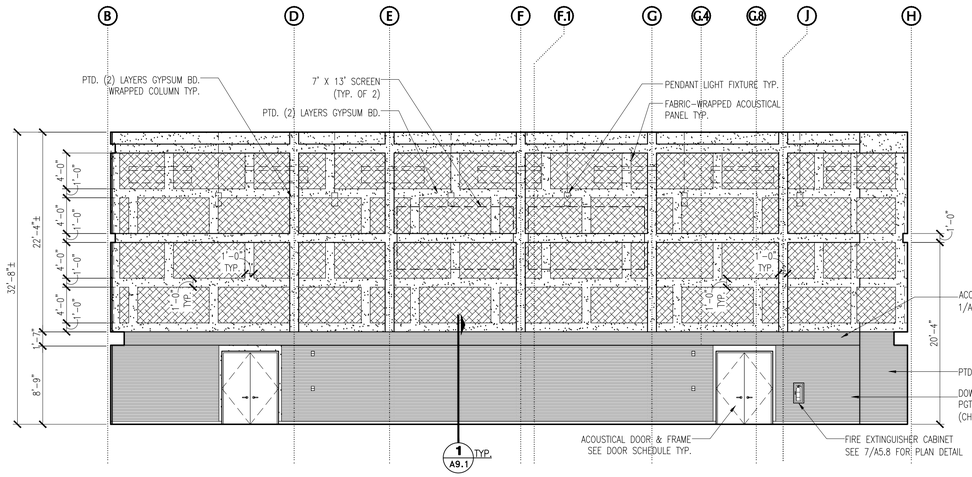
STATE OF ALABAMA REGISTERED ARCHITECTS
JAMES I. BARGANIER 1484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

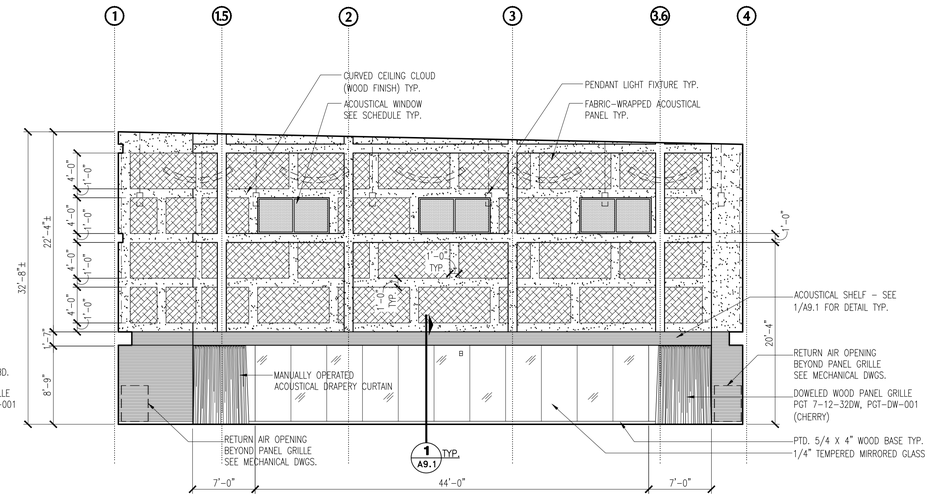
SHEET TITLE:
ENLARGED TOILET PLAN AND INTERIOR ELEVATIONS

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER: A6.1



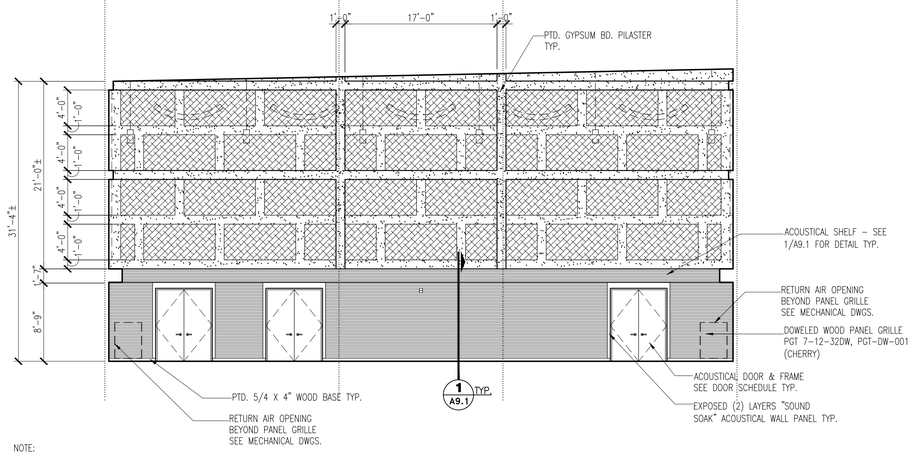
NOTE:
FURNISH & INSTALL (2) LAYERS "SOUND SOAK" ACOUSTICAL WALL PANEL (BLACK) BEHIND WOOD PANEL GRILLE LOCATIONS - SEE SECTION

1 WEST ELEVATION - REHEARSAL HALL (BASE BID)
A6.2 SCALE: 1/8" = 1'-0"



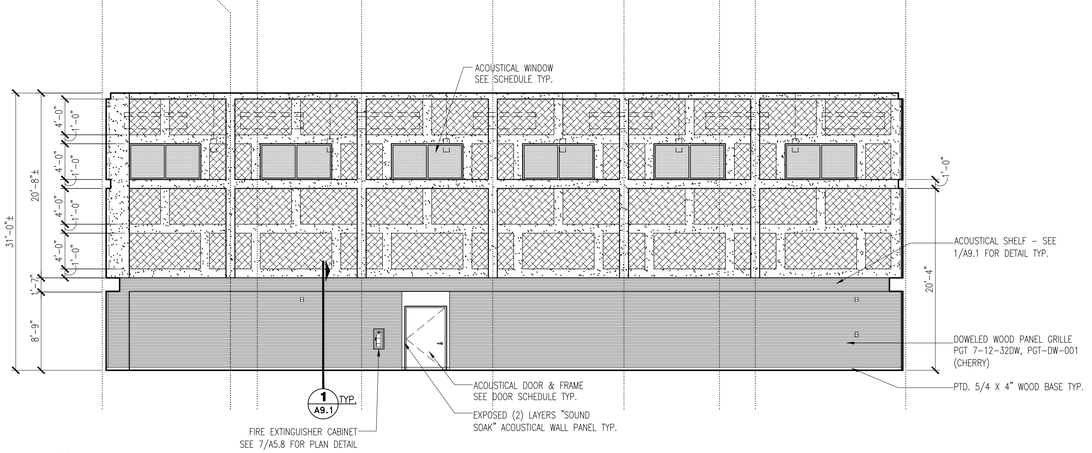
NOTE:
FURNISH & INSTALL (2) LAYERS "SOUND SOAK" ACOUSTICAL WALL PANEL (BLACK) BEHIND WOOD PANEL GRILLE LOCATIONS - SEE SECTION

2 NORTH ELEVATION - REHEARSAL HALL (BASE BID)
A6.2 SCALE: 1/8" = 1'-0"



NOTE:
FURNISH & INSTALL (2) LAYERS "SOUND SOAK" ACOUSTICAL WALL PANEL (BLACK) BEHIND WOOD PANEL GRILLE LOCATIONS - SEE SECTION

3 SOUTH ELEVATION - REHEARSAL HALL (BASE BID)
A6.2 SCALE: 1/8" = 1'-0"



NOTE:
FURNISH & INSTALL (2) LAYERS "SOUND SOAK" ACOUSTICAL WALL PANEL (BLACK) BEHIND WOOD PANEL GRILLE LOCATIONS - SEE SECTION

4 EAST ELEVATION - REHEARSAL HALL (BASE BID)
A6.2 SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. PROVIDE BLOCKOUTS IN WOOD PANEL GRILLE AT ALL RECEPTACLES. COORDINATE LOCATIONS W/ ELECTRICAL DRAWINGS.

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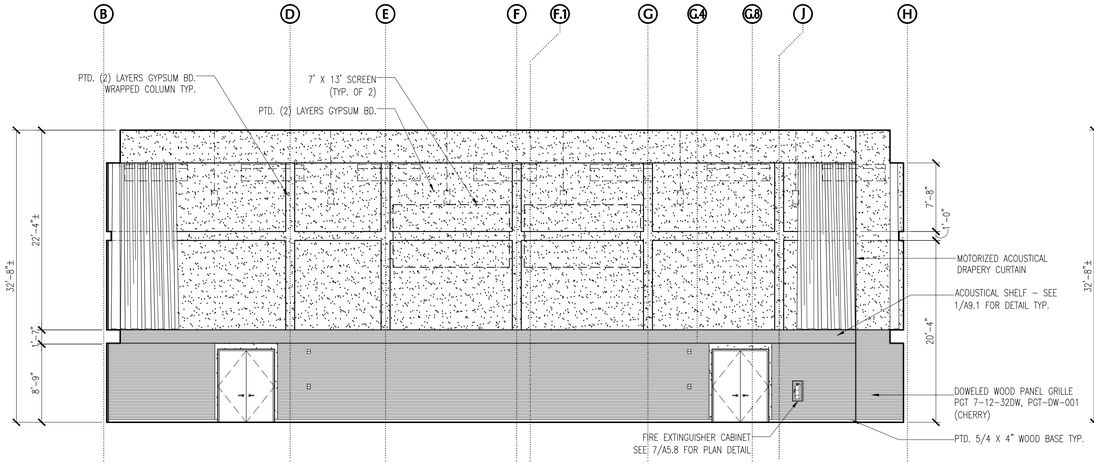
Project Number: 2015-255
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AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
REHEARSAL HALL INTERIOR ELEVATIONS (BASE BID)

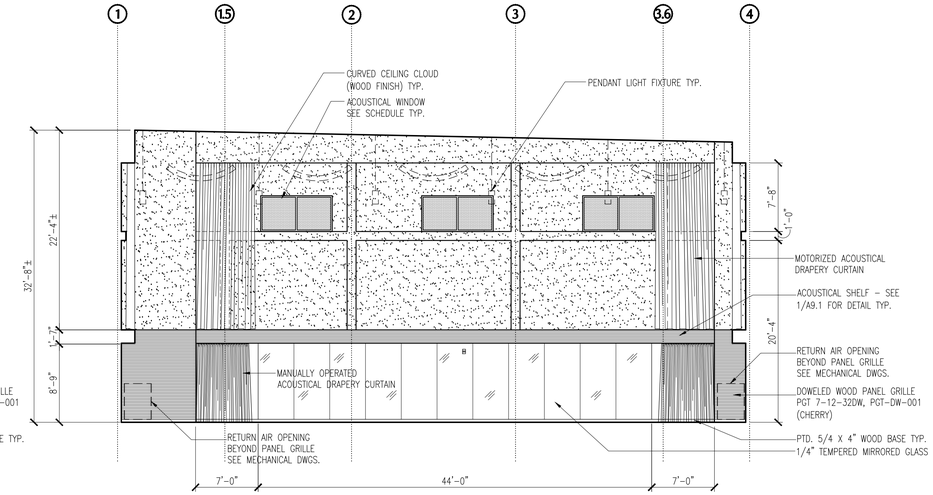
DRAWN BY: -
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DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER:

A6.2



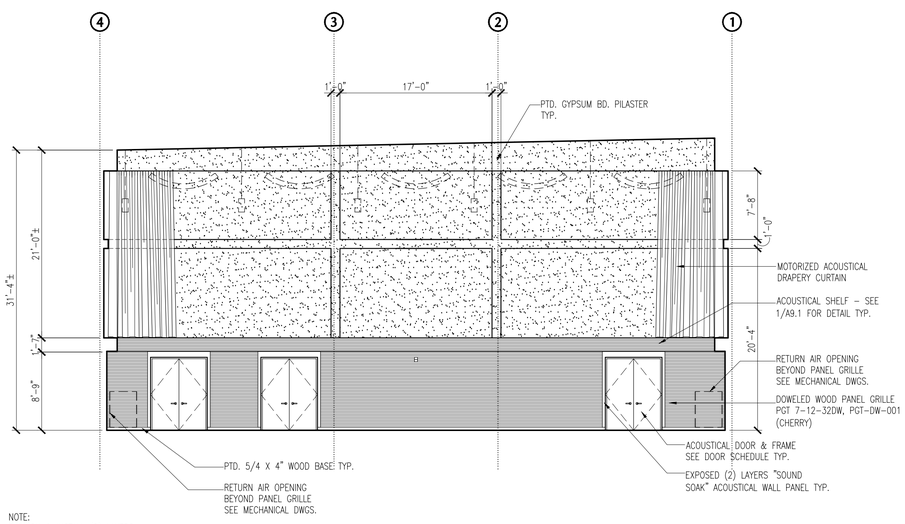
NOTE:
FURNISH & INSTALL (2) LAYERS "SELECT SOUND" ACOUSTIC BOARD (MATTE BLACK) BEHIND WOOD PANEL GRILLE LOCATIONS – SEE SECTION

1 / A6.3 WEST ELEVATION - REHEARSAL HALL (ALTERNATE)
SCALE: 1/8" = 1'-0"



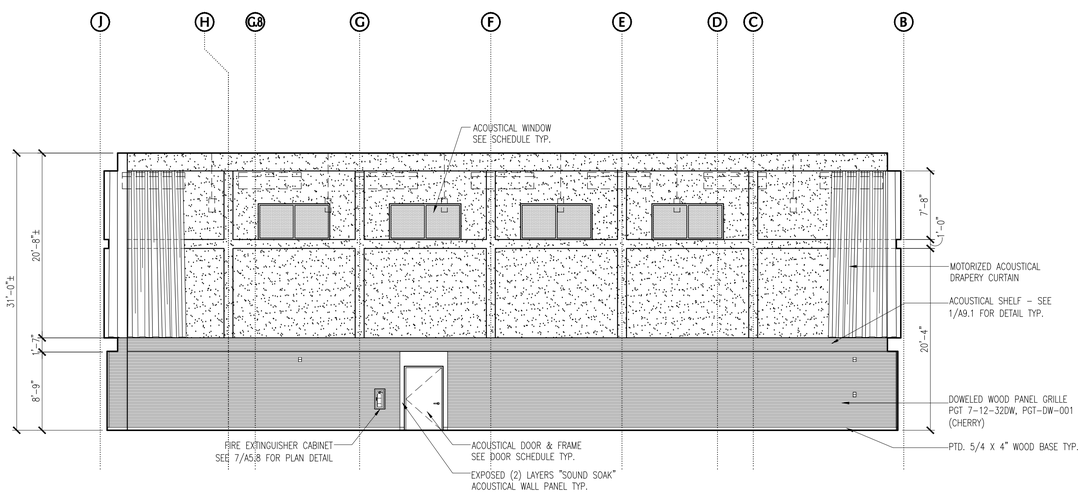
NOTE:
FURNISH & INSTALL (2) LAYERS "SELECT SOUND" ACOUSTIC BOARD (MATTE BLACK) BEHIND WOOD PANEL GRILLE LOCATIONS – SEE SECTION

2 / A6.3 NORTH ELEVATION - REHEARSAL HALL (ALTERNATE)
SCALE: 1/8" = 1'-0"



NOTE:
FURNISH & INSTALL (2) LAYERS "SELECT SOUND" ACOUSTIC BOARD (MATTE BLACK) BEHIND WOOD PANEL GRILLE LOCATIONS – SEE SECTION

3 / A6.3 SOUTH ELEVATION - REHEARSAL HALL (ALTERNATE)
SCALE: 1/8" = 1'-0"



NOTE:
FURNISH & INSTALL (2) LAYERS "SELECT SOUND" ACOUSTIC BOARD (MATTE BLACK) BEHIND WOOD PANEL GRILLE LOCATIONS – SEE SECTION

4 / A6.3 EAST ELEVATION - REHEARSAL HALL (ALTERNATE)
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. PROVIDE BLOCKOUTS IN WOOD PANEL GRILLE AT ALL RECEPTACLES. COORDINATE LOCATIONS W/ ELECTRICAL DRAWINGS.

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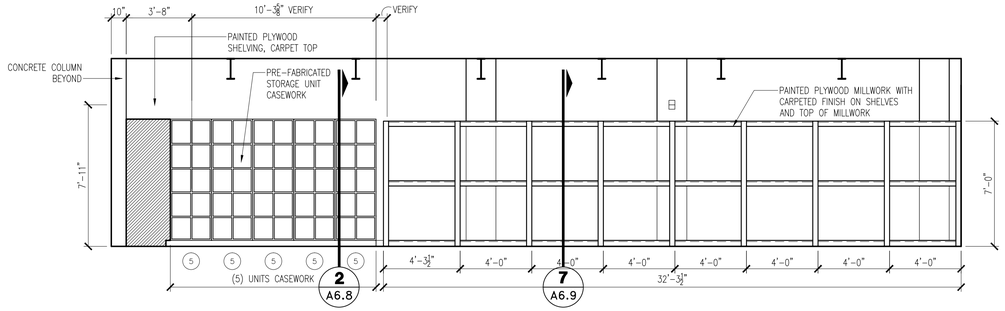
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DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

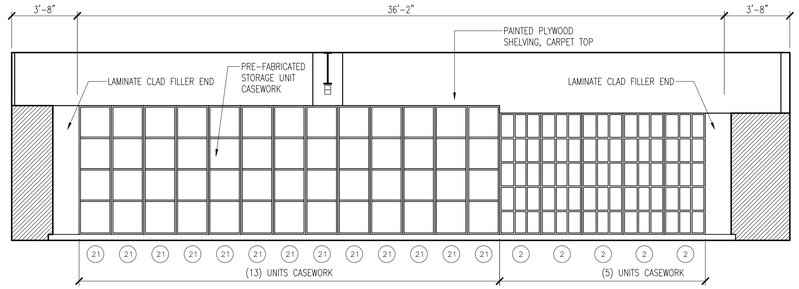
GOODWIN HALL - RENOVATION
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Project Number 15-255

SHEET TITLE:
REHEARSAL HALL INTERIOR ELEVATIONS (ALTERNATE)

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DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER: **A6.3**



1 A6.4 WEST ELEVATION - STORAGE 008
SCALE: 1/4" = 1'-0"



2 A6.4 SOUTH ELEVATION - STORAGE 008
SCALE: 1/4" = 1'-0"

3 A6.4 EAST ELEVATION - STORAGE 008
SCALE: 1/4" = 1'-0"

4 A6.4 NORTH ELEVATION - STORAGE 008
SCALE: 1/4" = 1'-0"

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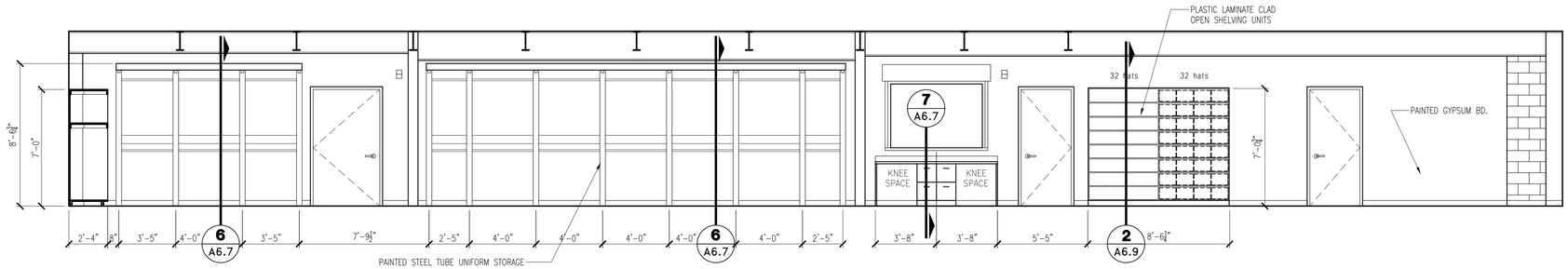
STATE OF ALABAMA
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RAY E. WILLIAMS 4239

Project Number: 2015-255
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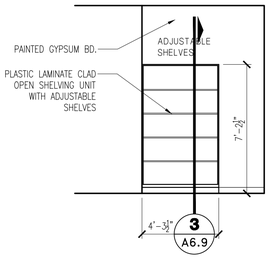
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
INSTRUMENT STORAGE INTERIOR ELEVATIONS

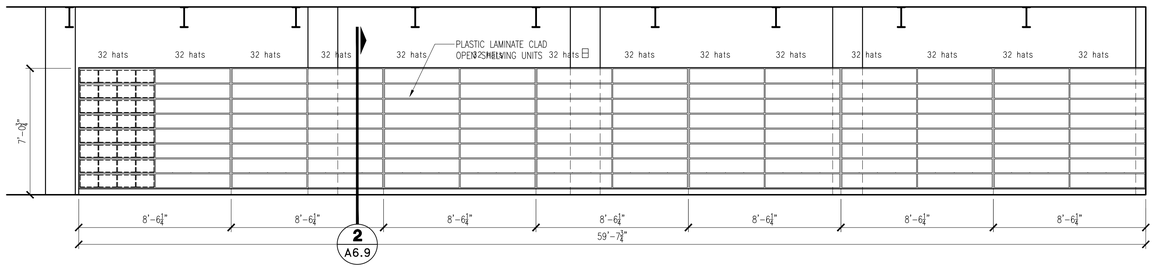
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CHECKED BY:
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DATE:
6-14-2017
FILE NUMBER:
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PROJECT NUMBER:
16-111
SHEET NUMBER:
A6.4



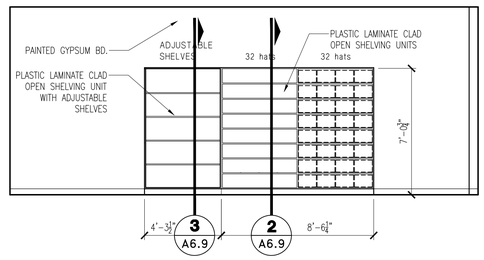
1 A6.5 — WEST ELEVATION - STORAGE 009
SCALE: 1/4" = 1'-0"



2 A6.5 — NORTH ELEVATION - STORAGE 009 BASE BID
SCALE: 1/4" = 1'-0"

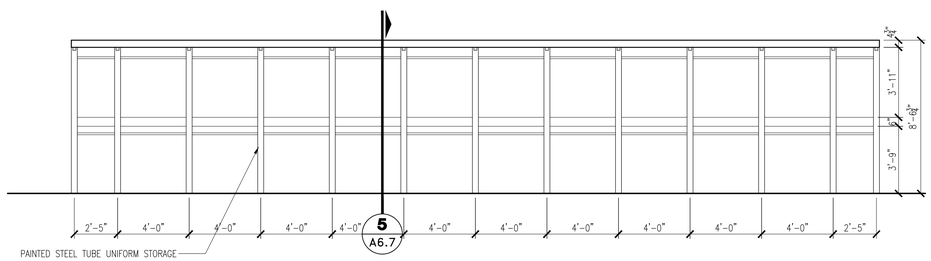


3 A6.5 — EAST ELEVATION - STORAGE 009
SCALE: 1/4" = 1'-0"

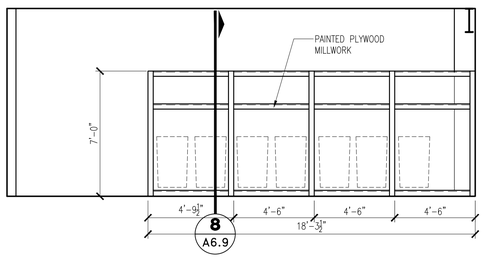


4 A6.5 — NORTH ELEVATION - STORAGE 009 ALTERNATE
SCALE: 1/4" = 1'-0"

NOTE:
THIS IS NOT NEW CASEWORK AS PART OF THIS ALTERNATE. THIS CASEWORK SHIFTED TO THIS WALL IF ALTERNATE IS ACCEPTED.



5 A6.5 — CENTER RACK ELEVATION - STORAGE 009
SCALE: 1/4" = 1'-0"



6 A6.5 — SOUTH ELEVATION - STORAGE 009
SCALE: 1/4" = 1'-0"

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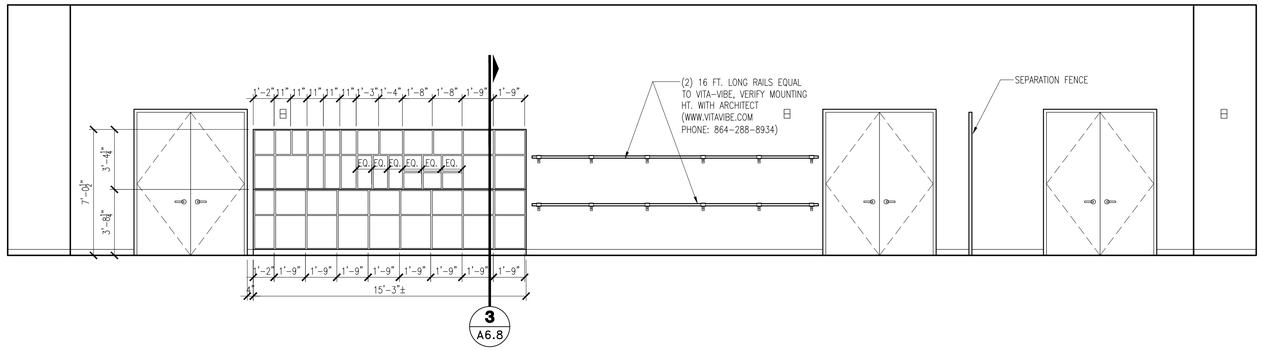
Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

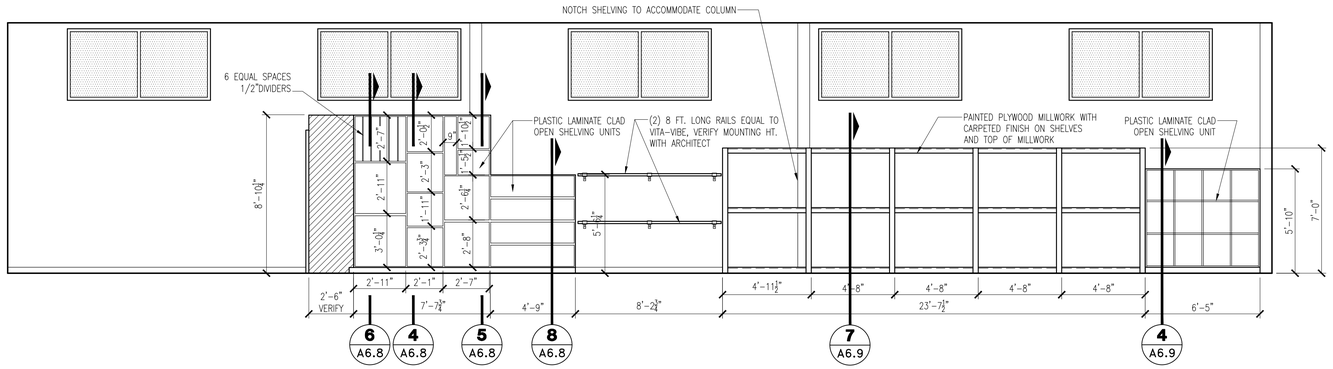
SHEET TITLE:
UNIFORM STORAGE INTERIOR ELEVATIONS

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER:

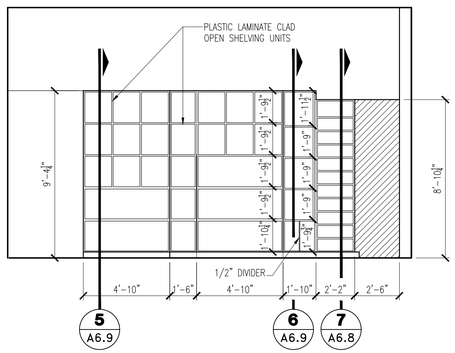
A6.5



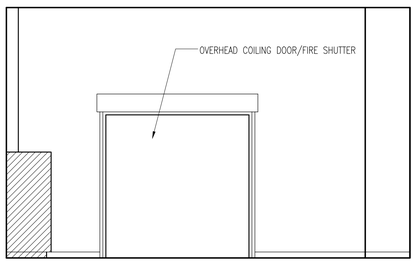
1 NORTH ELEVATION - STORAGE 101
A6.6 SCALE: 1/4" = 1'-0"



2 SOUTH ELEVATION - STORAGE 101
A6.6 SCALE: 1/4" = 1'-0"



3 EAST ELEVATION - STORAGE 101
A6.6 SCALE: 1/4" = 1'-0"



4 WEST ELEVATION - STORAGE 101
A6.6 SCALE: 1/4" = 1'-0"

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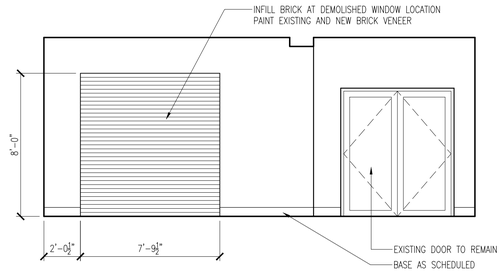
Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

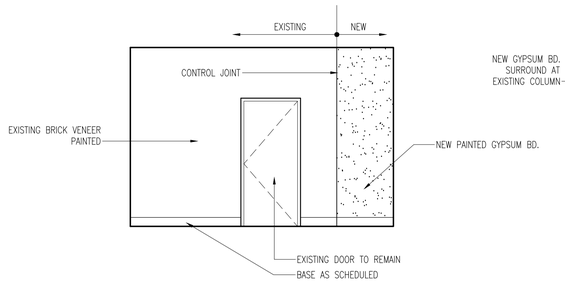
SHEET TITLE:
PERCUSSION STORAGE INTERIOR ELEVATIONS

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER:

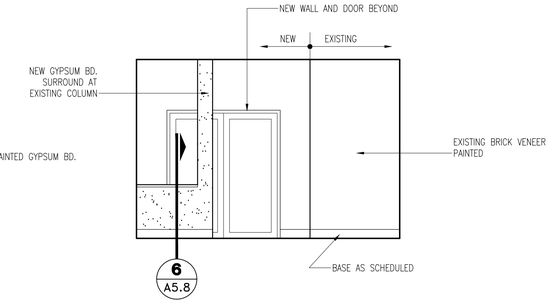
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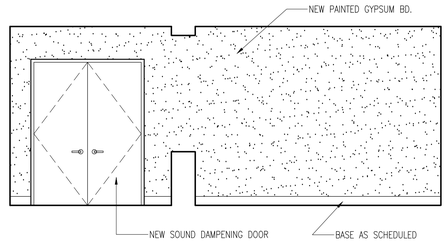
1 A6.7 WEST ELEVATION - CORRIDOR 103
SCALE: 1/4" = 1'-0"



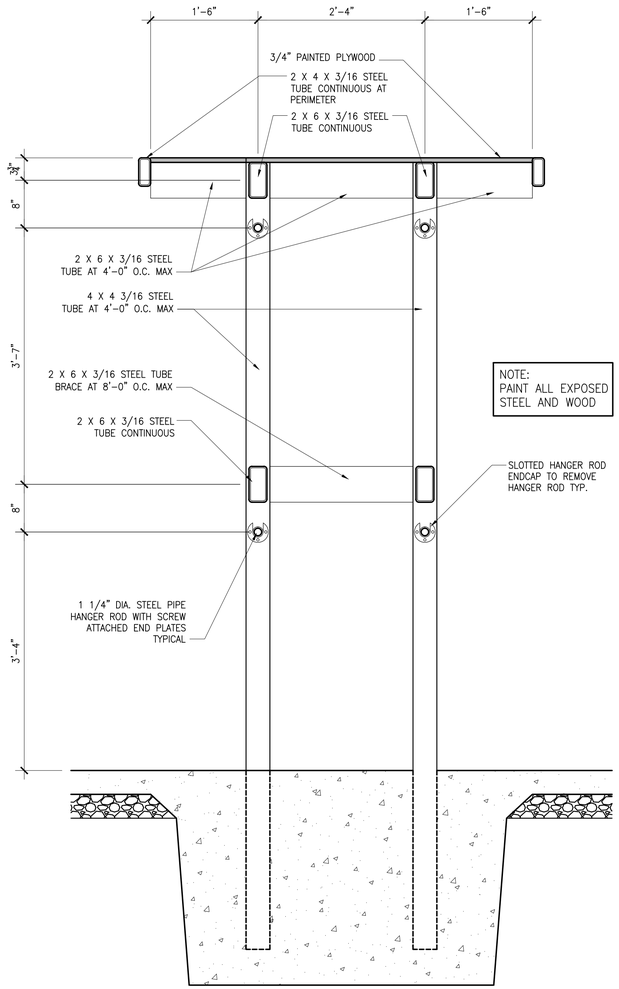
2 A6.7 NORTH ELEVATION - CORRIDOR 103
SCALE: 1/4" = 1'-0"



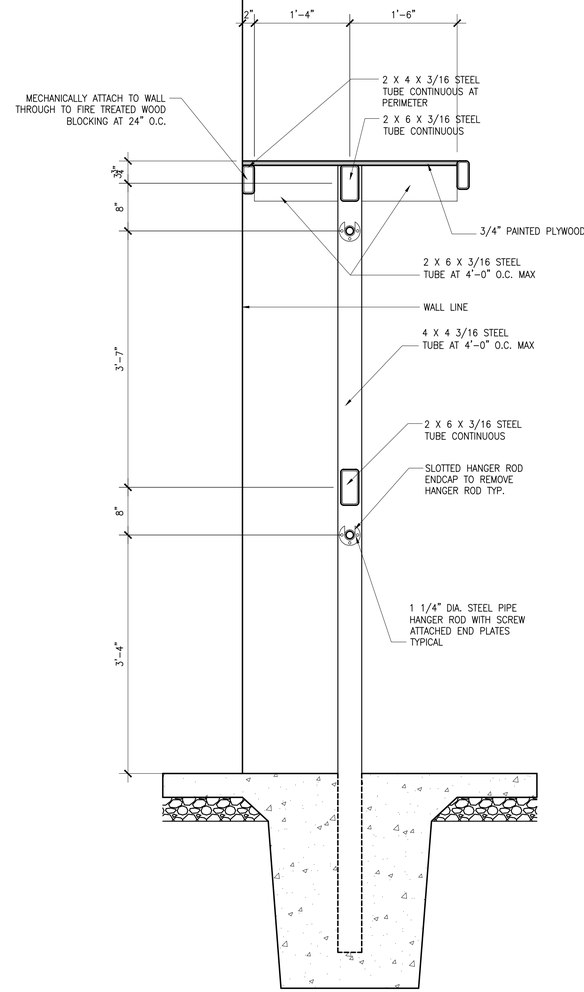
3 A6.7 SOUTH ELEVATION - CORRIDOR 103
SCALE: 1/4" = 1'-0"



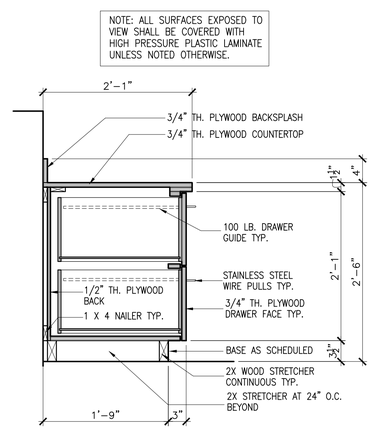
4 A6.7 EAST ELEVATION - CORRIDOR 103
SCALE: 1/4" = 1'-0"



5 A6.7 SECTION
SCALE: 1" = 1'-0"



6 A6.7 SECTION
SCALE: 1" = 1'-0"



7 A6.7 SECTION
SCALE: 1" = 1'-0"

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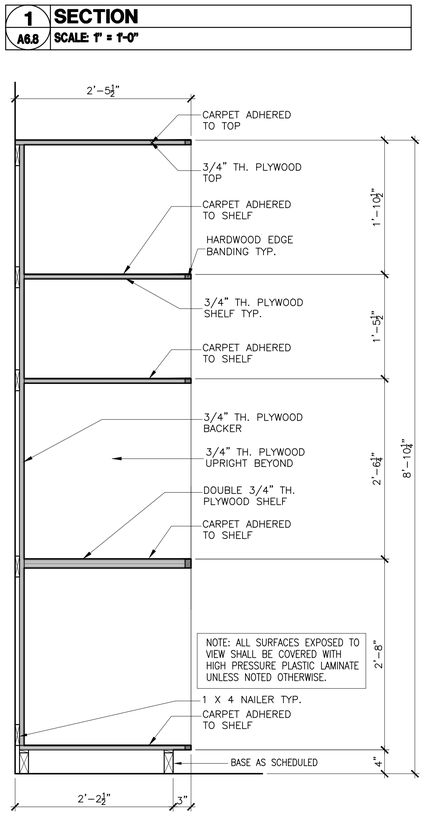
STATE OF ALABAMA
REGISTERED ARCHITECTS
JAMES I. BARGANIER 1484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

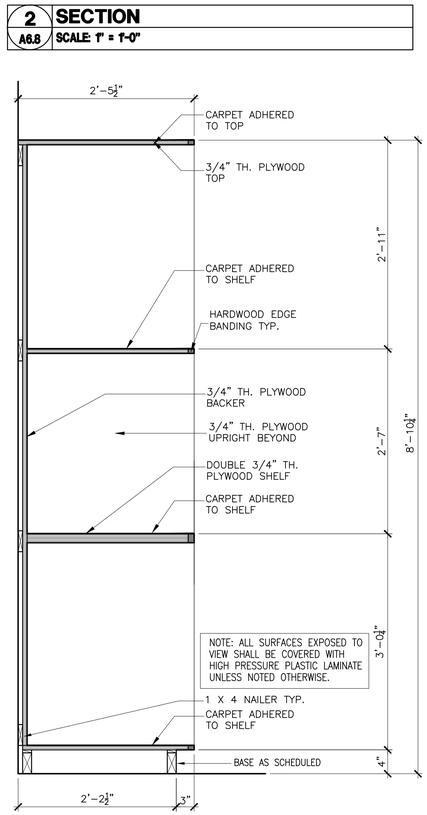
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
INTERIOR ELEVATIONS

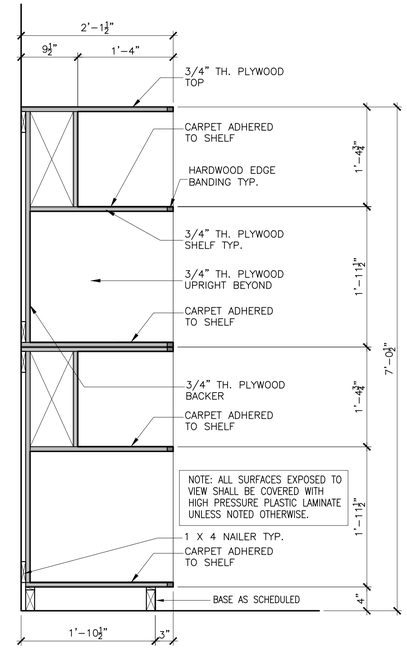
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DATE:
6-14-2017
FILE NUMBER:
-
PROJECT NUMBER:
16-111
SHEET NUMBER:
A6.7



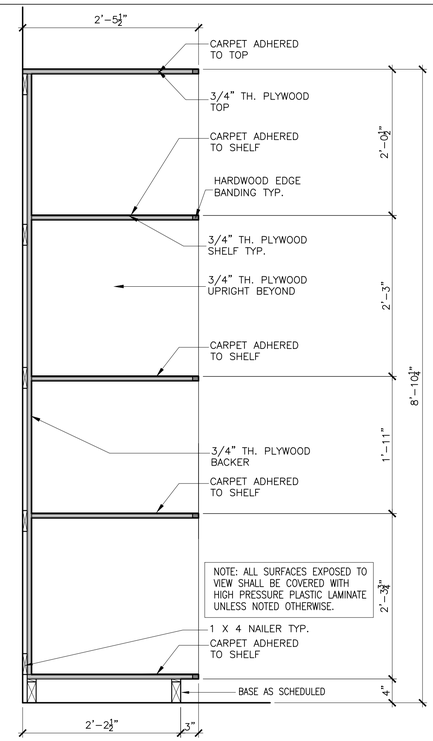
1 SECTION A6.8 — SCALE: 1" = 1'-0"



2 SECTION A6.8 — SCALE: 1" = 1'-0"



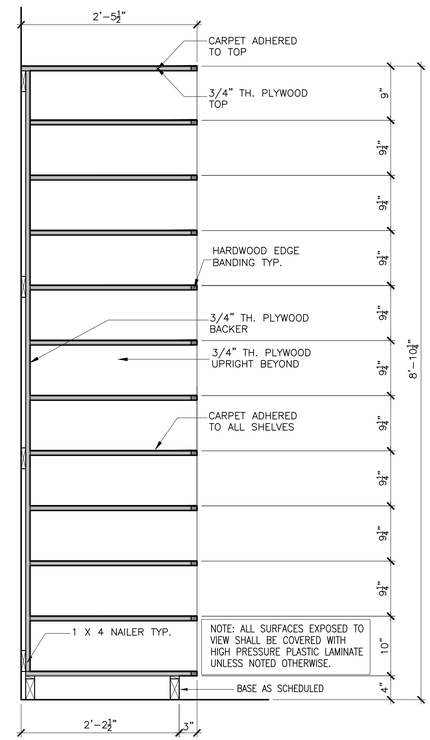
3 SECTION A6.8 — SCALE: 1" = 1'-0"



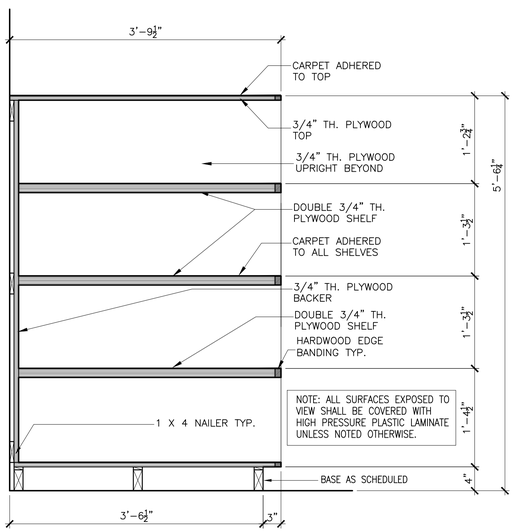
4 SECTION A6.8 — SCALE: 1" = 1'-0"

5 SECTION A6.8 — SCALE: 1" = 1'-0"

6 SECTION A6.8 — SCALE: 1" = 1'-0"



7 SECTION A6.8 — SCALE: 1" = 1'-0"



8 SECTION A6.8 — SCALE: 1" = 1'-0"

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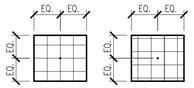
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

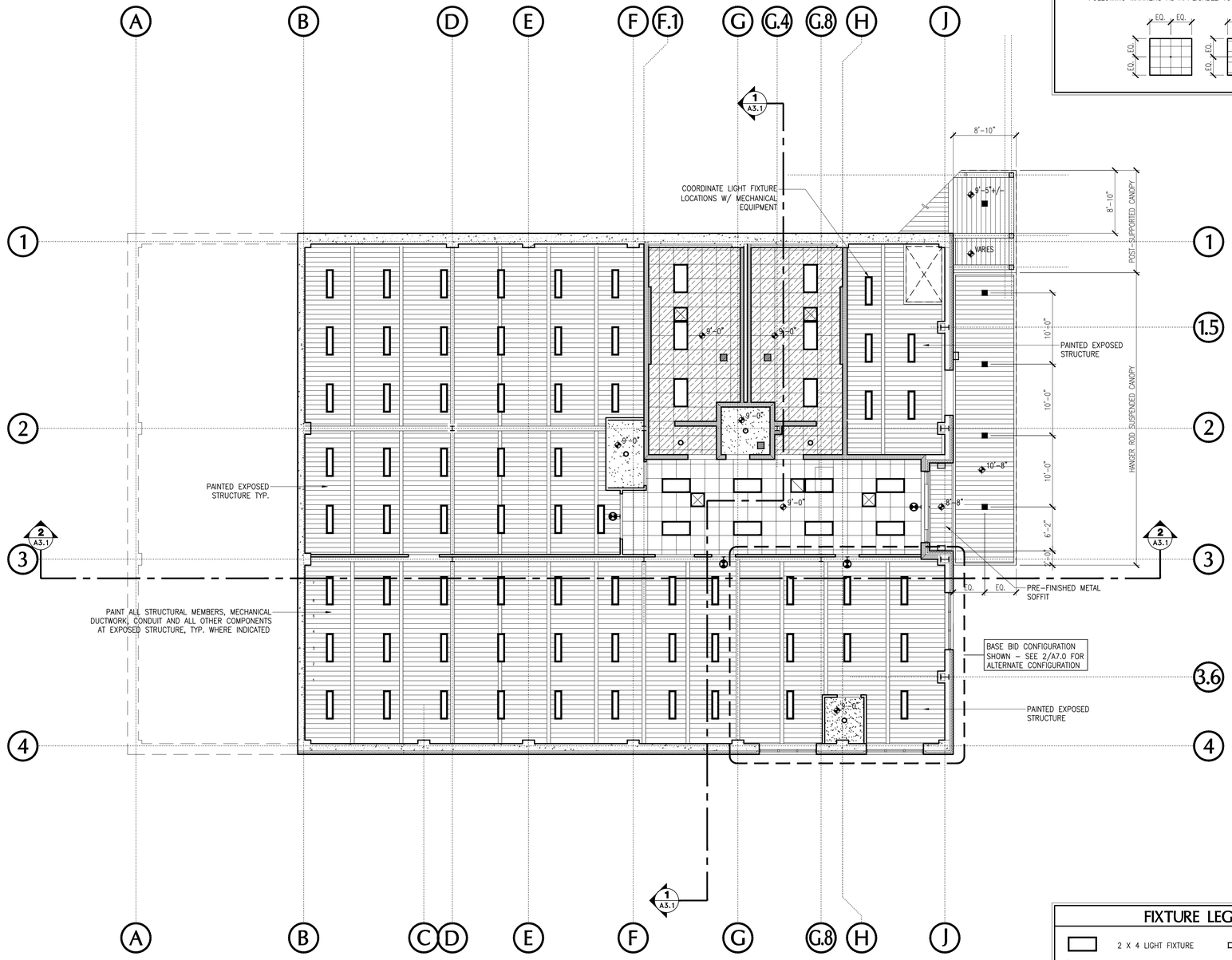
SHEET TITLE:
CASEWORK SECTIONS

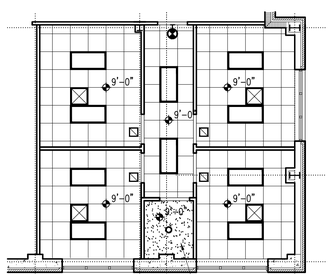
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DATE:
6-14-2017
FILE NUMBER:
-
PROJECT NUMBER:
16-111
SHEET NUMBER:
A6.8

GENERAL NOTES

1. GENERAL CONTRACTOR TO COORDINATE WITH ALL DISCIPLINES (STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND SPRINKLER) PRIOR TO CEILING INSTALLATION. REPORT ANY DISCREPANCIES TO ARCHITECT.
2. CEILINGS SHALL BE LAID OUT TO CENTER POINT OF ROOM IN ONE OF THE FOLLOWING MANNERS AS APPLICABLE TO LIGHTING LAYOUT:







2 A7.0 REFLECTED CEILING PLAN (ALTERNATE)
SCALE: 1/8" = 1'-0"

1 A7.0 BASEMENT FLOOR REFLECTED CEILING PLAN (BASE BID)
SCALE: 1/8" = 1'-0"

FIXTURE LEGEND

2 X 4 LIGHT FIXTURE	EXTERIOR WALL-MOUNTED FIXTURE
1 X 4 LIGHT FIXTURE	UNDER-CANOPY FIXTURE
4' FLUORESCENT FIXTURE	RECESSED 2-WAY FIXTURE
WALL-MOUNTED FIXTURE	RETURN AIR GRILLE
RECESSED LIGHT FIXTURE	SUPPLY AIR DIFFUSER
EXIT LIGHT	EXHAUST FAN
PENDANT FIXTURE	

CEILING LEGEND

- LAY-IN ACOUSTICAL CEILING TILE (ACT-1)
- LAY-IN ACOUSTICAL CEILING W/ VINYL-FACED TILES (ACT-2)
- PAINTED GYPSUM BOARD

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STATE OF ALABAMA
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Project Number: 2015-255
BARGANIER DAVIS SIMS
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GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

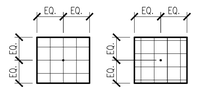
SHEET TITLE:
BASEMENT FLOOR REFLECTED CEILING PLAN

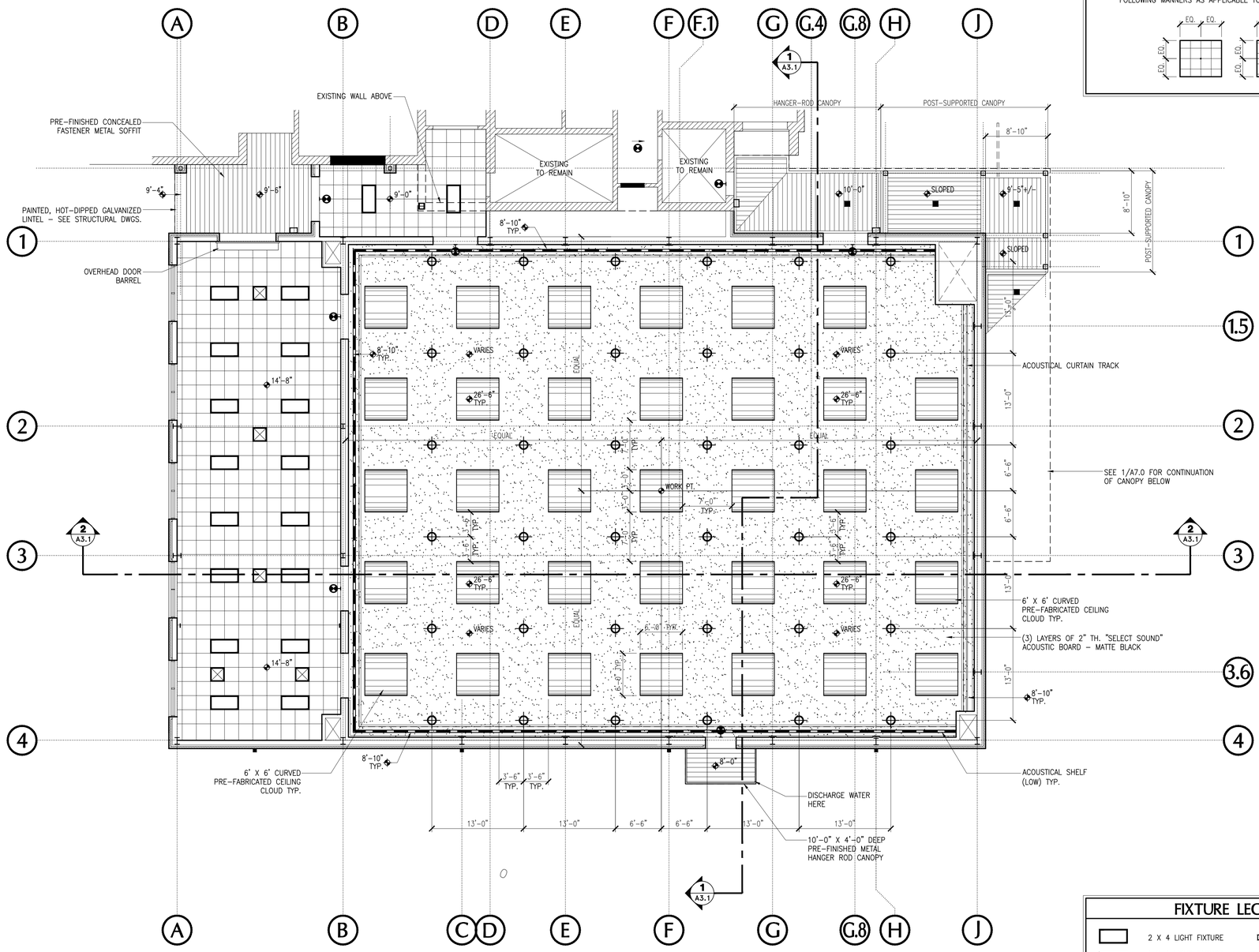
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CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER:

A7.0

GENERAL NOTES

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2. CEILINGS SHALL BE LAID OUT TO CENTER POINT OF ROOM IN ONE OF THE FOLLOWING MANNERS AS APPLICABLE TO LIGHTING LAYOUT:





1 / A7.1 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

FIXTURE LEGEND

- 2 X 4 LIGHT FIXTURE
- 1 X 4 LIGHT FIXTURE
- 4' FLUORESCENT FIXTURE
- WALL-MOUNTED FIXTURE
- RECESSED LIGHT FIXTURE
- EXIT LIGHT
- PENDANT FIXTURE
- EXTERIOR WALL-MOUNTED FIXTURE
- UNDER-CANOPY FIXTURE
- COVE FIXTURE
- RETURN AIR GRILLE
- SUPPLY AIR DIFFUSER
- EXHAUST FAN

CEILING LEGEND

- LAY-IN ACOUSTICAL CEILING TILE (ACT-1)
- LAY-IN ACOUSTICAL CEILING W/ VINYL-FACED TILES (ACT-2)
- PAINTED GYPSUM BOARD

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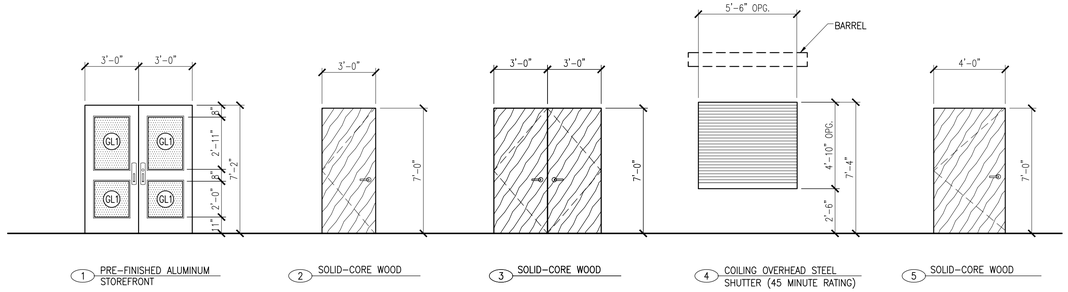
STATE OF ALABAMA
REGISTERED ARCHITECTS
JAMES I. BARGANIER 1484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
FIRST FLOOR REFLECTED CEILING PLAN

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER: **A7.1**



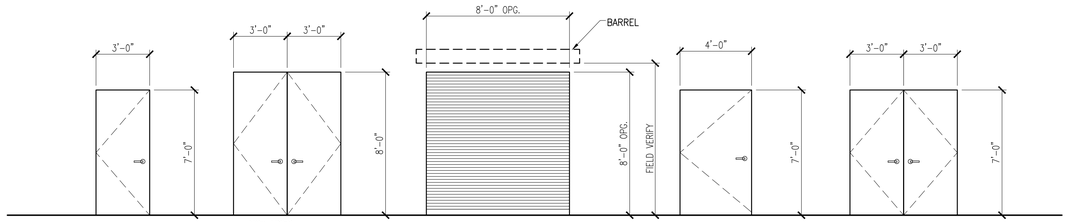
1 PRE-FINISHED ALUMINUM STOREFRONT

2 SOLID-CORE WOOD

3 SOLID-CORE WOOD

4 COILING OVERHEAD STEEL SHUTTER (45 MINUTE RATING)

5 SOLID-CORE WOOD



6 PAINTED HOLLOW METAL

7 NOT USED
8 NOT USED
9 PAINTED HOLLOW METAL

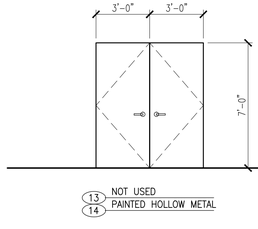
FURNISH & INSTALL ACOUSTICAL/SOUND-RATED DOOR

10 COILING OVERHEAD STEEL DOOR (45 MINUTE RATING)

11 PAINTED HOLLOW METAL

FURNISH & INSTALL ACOUSTICAL/SOUND-RATED DOOR

12 PAINTED HOLLOW METAL



13 NOT USED
14 PAINTED HOLLOW METAL

BASEMENT DOOR SCHEDULE

DOOR						FRAME		LABEL	SIGNAGE	DETAILS			REMARKS	ALTERNATE
NO.	WIDTH	HEIGHT	THICK	TYPE	MAT'L.	TYPE	MAT'L.			HEAD	JAMB	SILL		
001A	PAIR 3'-0"	7'-0"	1 3/4"	1	ALUM	A	ALUM	–	EXIT	3/A8.3	4/A8.3	5/A8.3	SEE GENERAL NOTE 1 (THIS SHEET)	
002A	3'-0"	7'-0"	1 3/4"	2	SCW	B	PHM	45	ELECTRICAL	1/A8.4	2/A8.4	3/A8.4	SEE GENERAL NOTE 1 (THIS SHEET)	
004A	PAIR 3'-0"	7'-0"	1 3/4"	12	PHM	C	PHM	–	EXIT	4/A8.2	5/A8.2	6/A8.2		
005A	3'-0"	7'-0"	1 3/4"	2	SCW	E	PHM	–	JANITOR	4/A8.4	5/A8.4	6/A8.4		
008A	PAIR 3'-0"	7'-0"	1 3/4"	3	SCW	F	PHM	45	EXIT	1/A8.4	2/A8.4	3/A8.4	SEE GENERAL NOTE 1 (THIS SHEET)	
008B	4'-0"	7'-0"	1 3/4"	5	SCW	K	PHM	45	UNIFORM STORAGE	1/A8.4	2/A8.4	3/A8.4	SEE GENERAL NOTE 1 (THIS SHEET)	
009A	3'-0"	7'-0"	1 3/4"	2	SCW	B	PHM	45	UNIFORM STORAGE	1/A8.4	2/A8.4	3/A8.4	SEE GENERAL NOTE 1 (THIS SHEET)	
009B	5'-6"	4'-10"	–	4	STEEL	SPECS	SPECS	45	–	SPECS	SPECS	SPECS		
010A	3'-0"	7'-0"	1 3/4"	2	SCW	B	PHM	–	OFFICE 100	1/A8.4	2/A8.4	3/A8.4		●
011A	3'-0"	7'-0"	1 3/4"	2	SCW	B	PHM	–	OFFICE 101	1/A8.4	2/A8.4	3/A8.4		●
012A	3'-0"	7'-0"	1 3/4"	2	SCW	B	PHM	–	DATA	1/A8.4	2/A8.4	3/A8.4	SEE GENERAL NOTE 1 (THIS SHEET)	
014A	3'-0"	7'-0"	1 3/4"	2	SCW	B	PHM	–	OFFICE 102	1/A8.4	2/A8.4	3/A8.4		●
015A	3'-0"	7'-0"	1 3/4"	2	SCW	B	PHM	–	OFFICE 103	1/A8.4	2/A8.4	3/A8.4		●
016A	3'-0"	7'-0"	1 3/4"	2	SCW	B	PHM	45	TELECOMMUNICATIONS	1/A8.4	2/A8.4	3/A8.4	SEE GENERAL NOTE 1 (THIS SHEET)	

FIRST FLOOR DOOR SCHEDULE

100A	PAIR 3'-0"	8'-0"	1 3/4"	9	PHM	H	PHM	45	EXIT	1/A8.2	2/A8.2	3/A8.2	ACOUSTICAL/SOUND-RATED (STC 51 MIN.), SEE GENERAL NOTE 1 (THIS SHEET)	
100B	PAIR 3'-0"	8'-0"	1 3/4"	9	PHM	H	PHM	90	EXIT	1/A8.2	2/A8.2	3/A8.2	ACOUSTICAL/SOUND-RATED (STC-51 MIN.)	
100C	4'-0"	7'-0"	1 3/4"	11	PHM	J	PHM	45	EXIT	1/A8.2	2/A8.2	3/A8.2	ACOUSTICAL/SOUND-RATED (STC 51 MIN.), SEE GENERAL NOTE 1 (THIS SHEET)	
101A	8'-0"	8'-0"	SPECS	10	STEEL	SPECS	SPECS	45	–	1/A8.3	2/A8.3	3/A8.3	–	
101B	PAIR 3'-0"	8'-0"	1 3/4"	9	PHM	H	PHM	–	PERCUSSION STORAGE	7/A8.4	8/A8.4	–	ACOUSTICAL/SOUND-RATED (STC 51 MIN.)	
101C	PAIR 3'-0"	8'-0"	1 3/4"	9	PHM	H	PHM	–	PERCUSSION STORAGE	7/A8.4	8/A8.4	–	ACOUSTICAL/SOUND-RATED (STC 51 MIN.)	
102A	PAIR 3'-0"	8'-0"	1 3/4"	9	PHM	H	PHM	–	CHAIR STORAGE	7/A8.4	8/A8.4	–	ACOUSTICAL/SOUND-RATED (STC 51 MIN.)	
103A	PAIR 3'-0"	7'-0"	1 3/4"	1	ALUM	G	ALUM	–	EXIT	1/A8.5	2/A8.5	3/A8.5	SEE GENERAL NOTE 1 (THIS SHEET)	
104A	3'-0"	VERIFY	1 3/4"	VERIFY	PHM	VERIFY	–	–	EXIT	–	–	–	NEW DOOR IN EXISTING FRAME, HM FRAME AND DOOR	
104B	3'-0"	7'-0"	1 3/4"	6	PHM	E	PHM	–	EXIT	–	–	–	NEW DOOR AND FRAME IN EXISTING OPENING, HM FRAME AND DOOR	

GENERAL NOTES

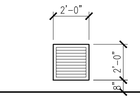
1. FURNISH & INSTALL DOOR ACCESS CARD READER AT INDICATED DOOR.
2. SIGNAGE IS FOR PRICING PURPOSES ONLY. FINAL TEXT FOR SIGNAGE SHALL BE SUPPLIED BY OWNER. ALLOW FOR UP TO 25 CHARACTERS ON EACH SIGN (BRAILLE AND SIGHTED)
3. ABBREVIATIONS: ALUM = ALUMINUM, SCW = SOLID CORE WOOD, PHM = PAINTED HOLLOW METAL, STL = PAINTED STEEL, SPECS = SEE SPECIFICATIONS

GLAZING SCHEDULE

GL1 1" TH. TINTED INSULATED, TEMPERED GLASS LOW-E GLASS

GL2 1" TH. TINTED INSULATED LOW-E GLASS

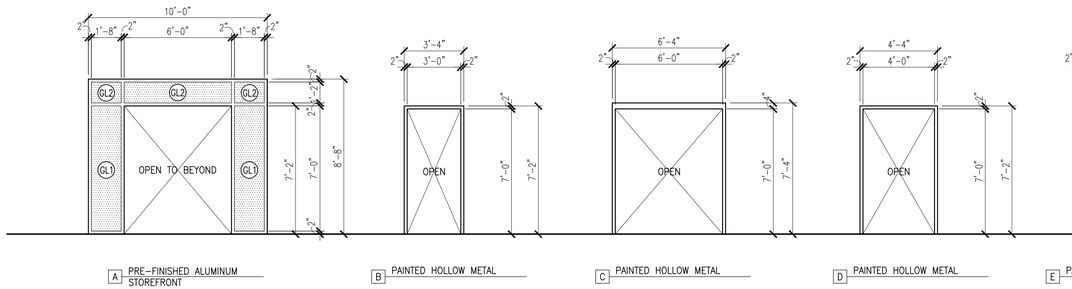
GL3 ACOUSTICAL SOUND RATED GLASS – SEE SPECS.



L1 PRE-FINISHED METAL LOUVER W/ INSECT SCREENING

DOOR TYPES

1/4" = 1'-0"



A PRE-FINISHED ALUMINUM STOREFRONT

B PAINTED HOLLOW METAL

C PAINTED HOLLOW METAL

D PAINTED HOLLOW METAL

E PAINTED HOLLOW METAL

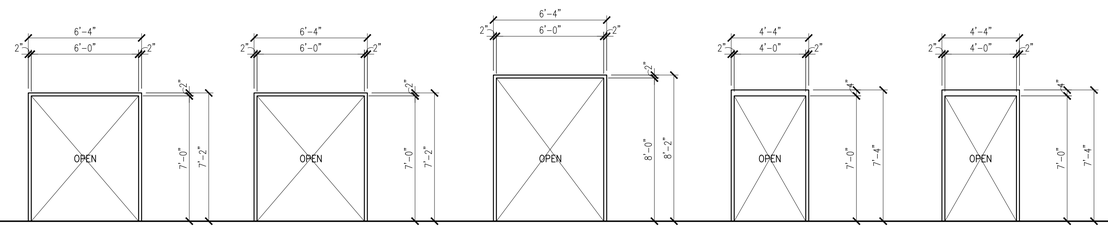
F PAINTED HOLLOW METAL

LOUVER TYPES

1/4" = 1'-0"

FRAME TYPES

1/4" = 1'-0"



F PAINTED HOLLOW METAL

G PRE-FINISHED ALUMINUM STOREFRONT

H PAINTED HOLLOW METAL

FURNISH & INSTALL ACOUSTICAL/SOUND-RATED FRAME

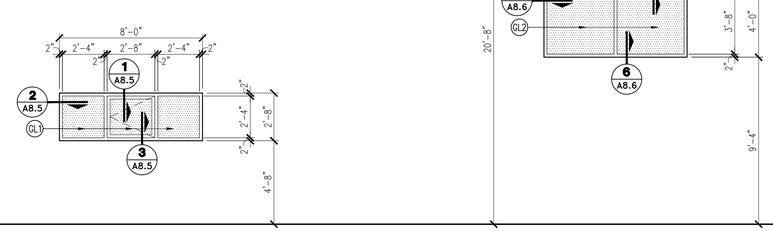
J PAINTED HOLLOW METAL

FURNISH & INSTALL ACOUSTICAL/SOUND-RATED FRAME

K PAINTED HOLLOW METAL

WINDOW TYPES

1/4" = 1'-0"



A PRE-FINISHED ALUMINUM STOREFRONT WINDOW W/ OPERABLE PANEL

B FIXED ALUMINUM ACOUSTICAL WINDOW – SEE SPECS.

C PRE-FINISHED ALUMINUM STOREFRONT WINDOW

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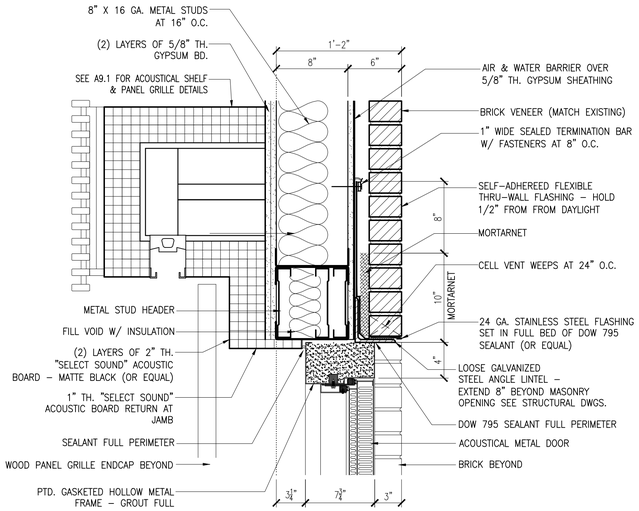
Project Number: 2015-255
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Project Number 15-255

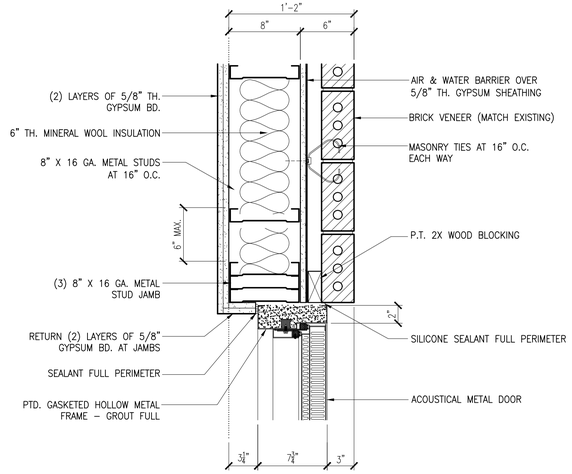
SHEET TITLE:
DOOR & WINDOW SCHEDULES

DRAWN BY: -
CHECKED BY: -
DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER:

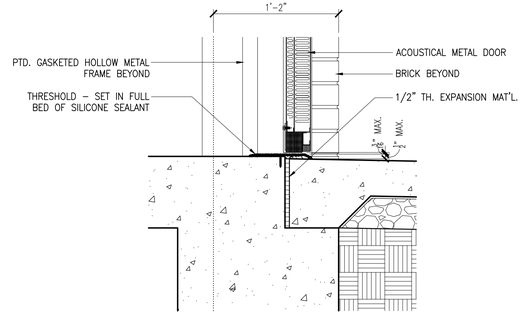
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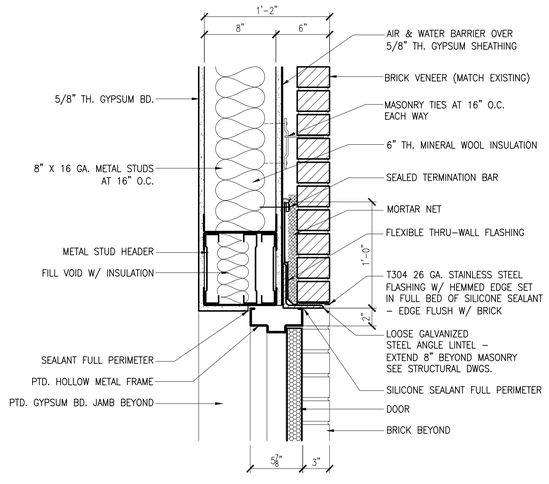
1 A8.2 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



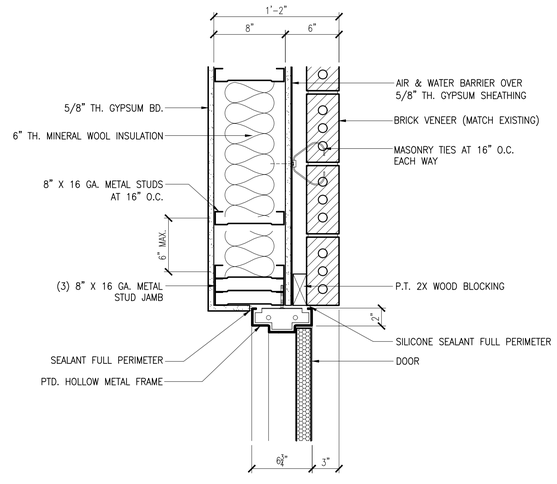
2 A8.2 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



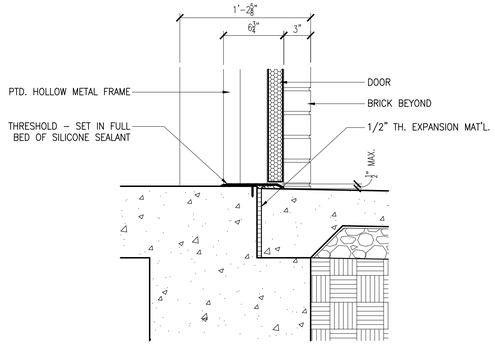
3 A8.2 DOOR SILL DETAIL
SCALE: 1 1/2" = 1'-0"



4 A8.2 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



5 A8.2 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



6 A8.2 DOOR SILL DETAIL
SCALE: 1 1/2" = 1'-0"

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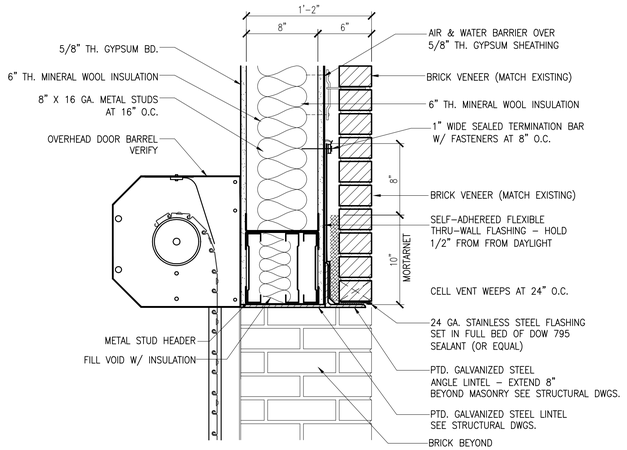
STATE OF ALABAMA
JAMES I. BARGANIER 14484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239
REGISTERED ARCHITECTS

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

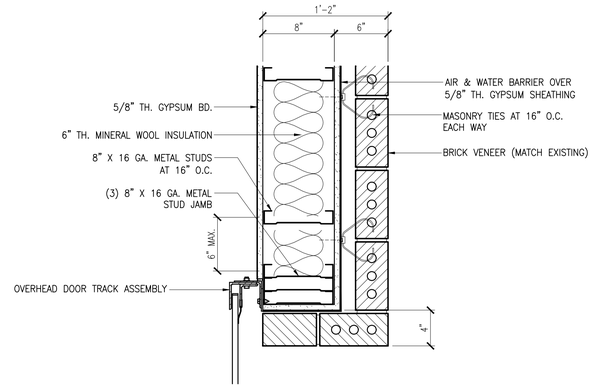
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
DOOR DETAILS

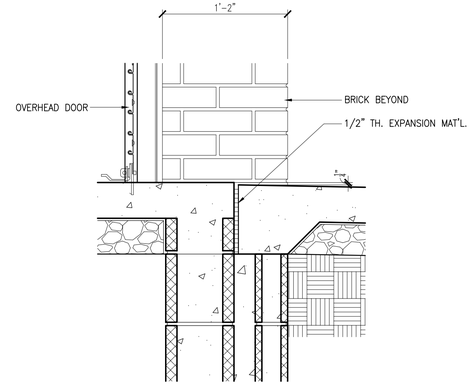
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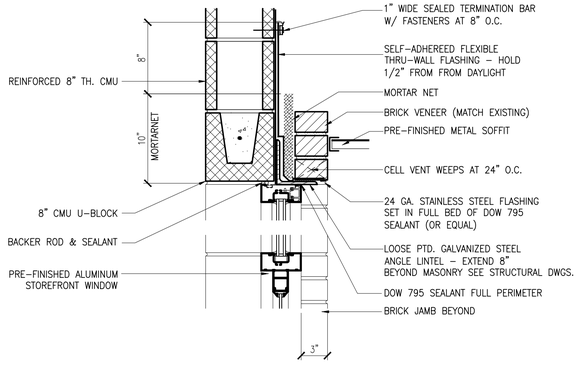
1 A8.3 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



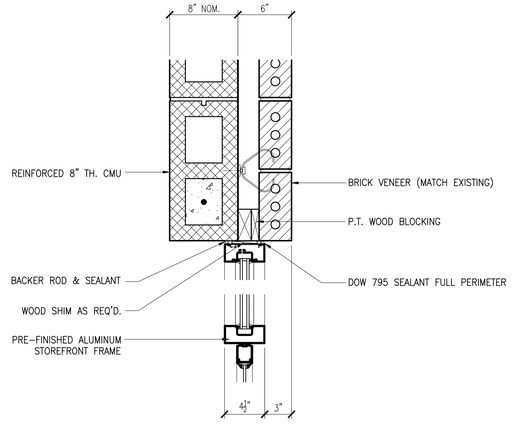
2 A8.3 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



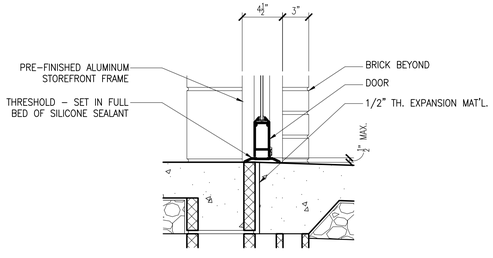
3 A8.3 DOOR SILL DETAIL
SCALE: 1 1/2" = 1'-0"



3 A8.3 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



4 A8.3 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



5 A8.3 DOOR SILL DETAIL
SCALE: 1 1/2" = 1'-0"

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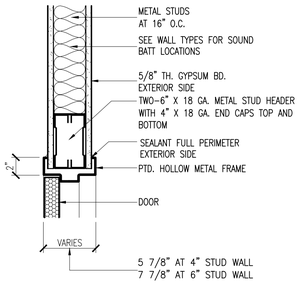
STATE OF ALABAMA
JAMES I. BARGANIER 1484
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RAY E. WILLIAMS 4239
REGISTERED ARCHITECTS

Project Number: 2015-255
BARGANIER DAVIS SIMS
Drawn By:

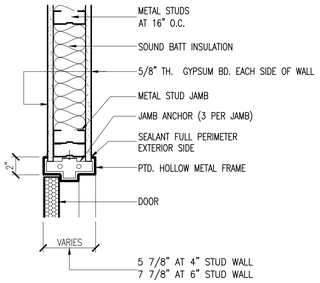
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
DOOR DETAILS

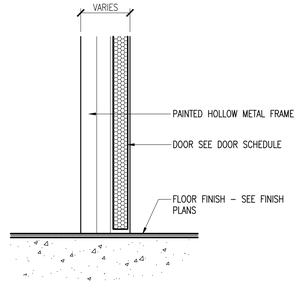
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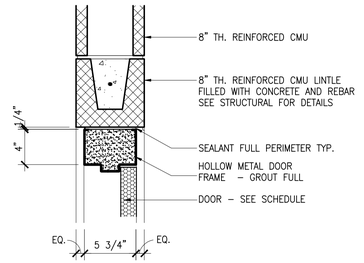
1 DOOR HEAD DETAIL
A8.4 SCALE: 1 1/2" = 1'-0"



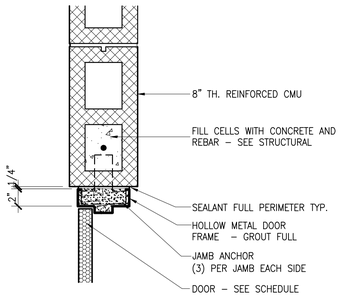
2 DOOR JAMB DETAIL
A8.4 SCALE: 1 1/2" = 1'-0"



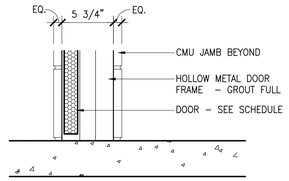
3 DOOR SILL DETAIL
A8.4 SCALE: 1 1/2" = 1'-0"



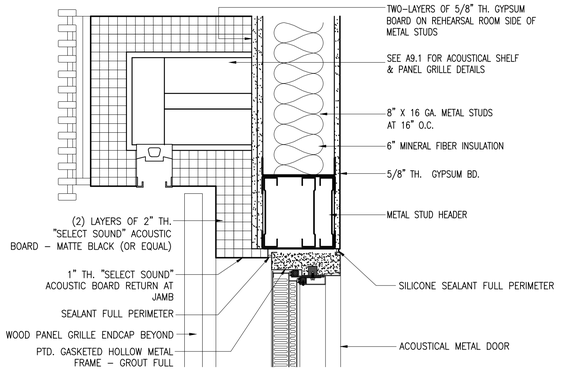
4 DOOR HEAD DETAIL
A8.4 SCALE: 1 1/2" = 1'-0"



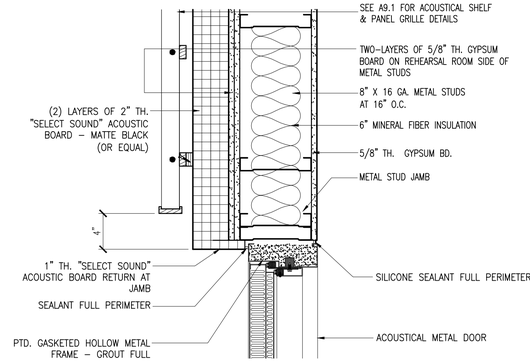
5 DOOR JAMB DETAIL
A8.4 SCALE: 1 1/2" = 1'-0"



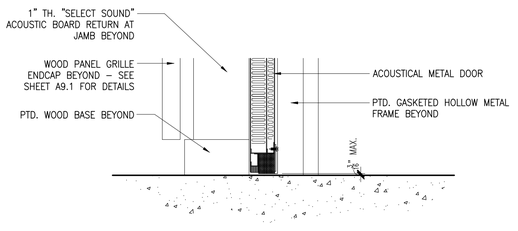
6 DOOR SILL DETAIL
A8.4 SCALE: 1 1/2" = 1'-0"



7 DOOR HEAD DETAIL
A8.4 SCALE: 1 1/2" = 1'-0"



8 DOOR JAMB DETAIL
A8.4 SCALE: 1 1/2" = 1'-0"



9 DOOR SILL DETAIL
A8.4 SCALE: 1 1/2" = 1'-0"

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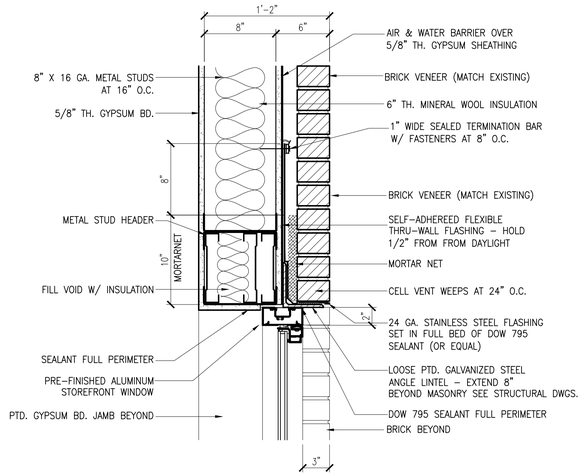
STATE OF ALABAMA
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DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2015-255
Drawn By:
BARGANIER DAVIS SIMS

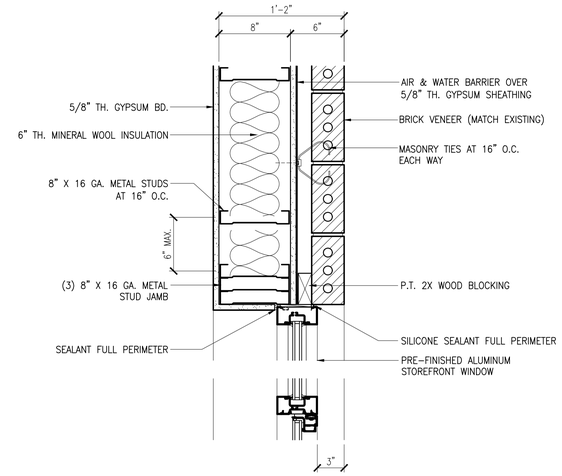
GOODWIN HALL - RENOVATION
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Project Number 15-255

SHEET TITLE:
DOOR DETAILS

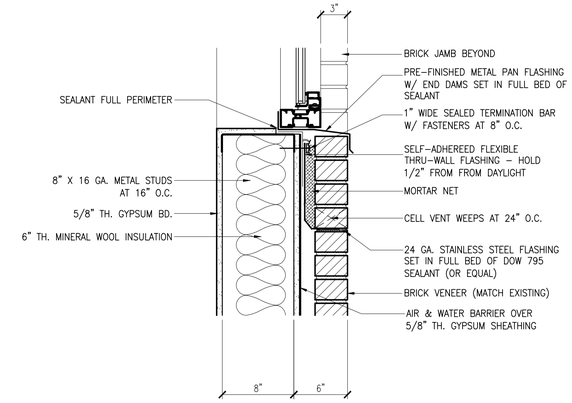
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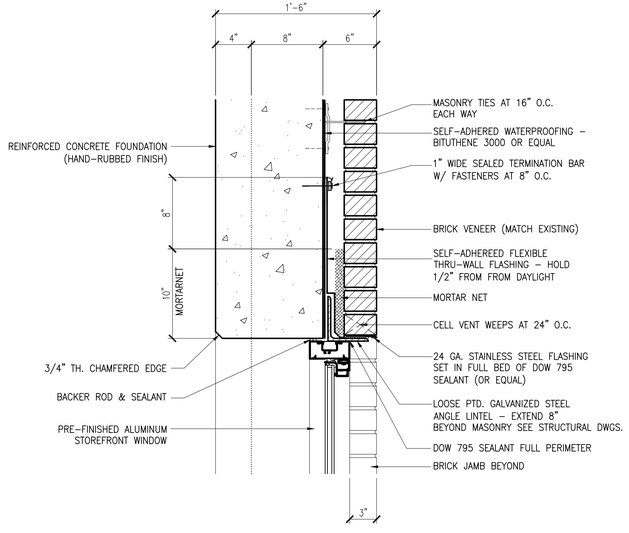
1 A8.5 WINDOW HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



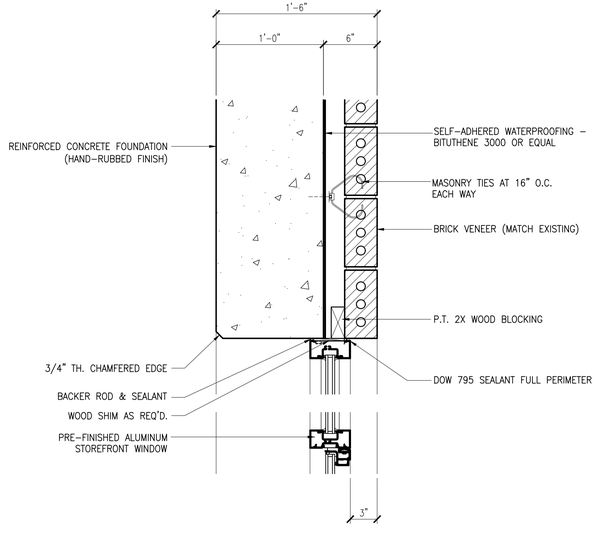
2 A8.5 WINDOW JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



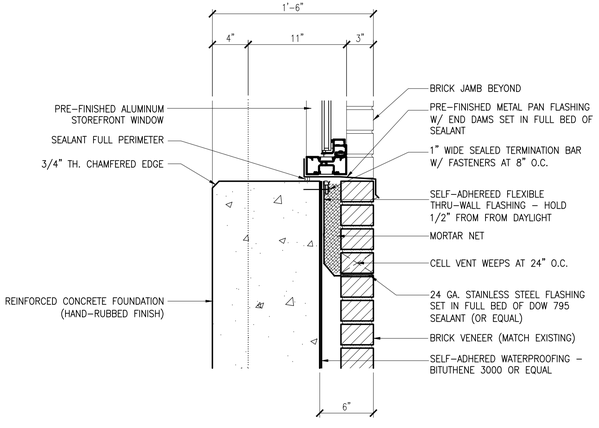
3 A8.5 WINDOW SILL DETAIL
SCALE: 1 1/2" = 1'-0"



4 A8.5 WINDOW HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



5 A8.5 WINDOW JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



6 A8.5 WINDOW SILL DETAIL
SCALE: 1 1/2" = 1'-0"

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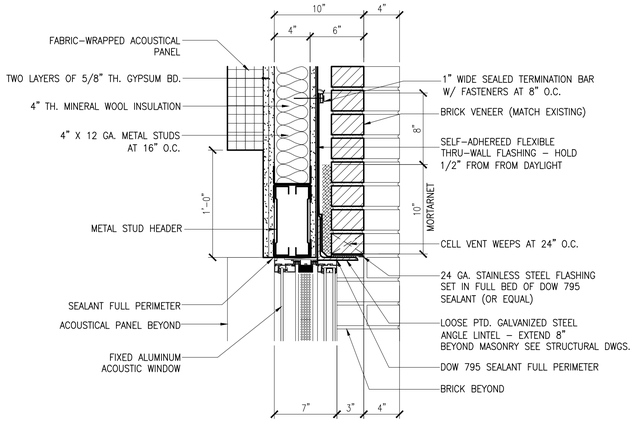
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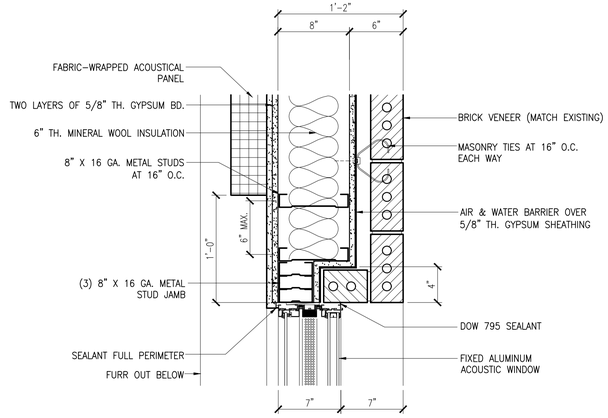
GOODWIN HALL - RENOVATION
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Project Number 15-255

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WINDOW DETAILS

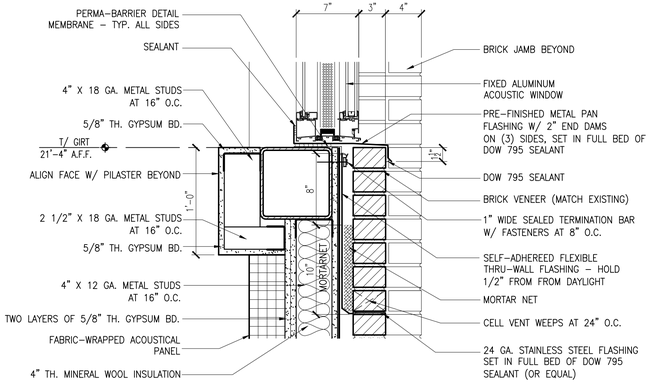
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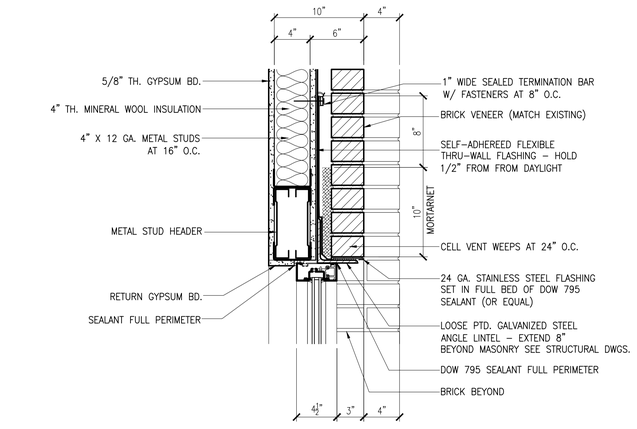
1 A8.6 WINDOW HEAD DETAIL
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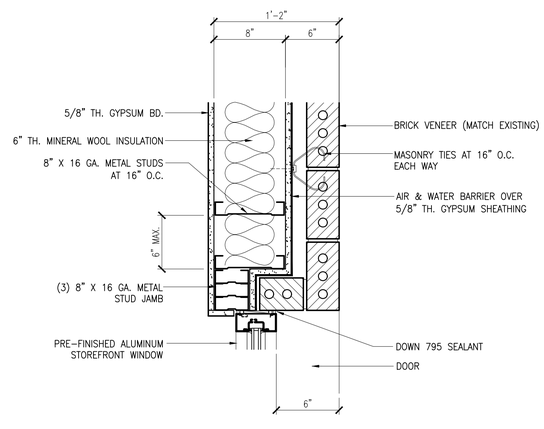
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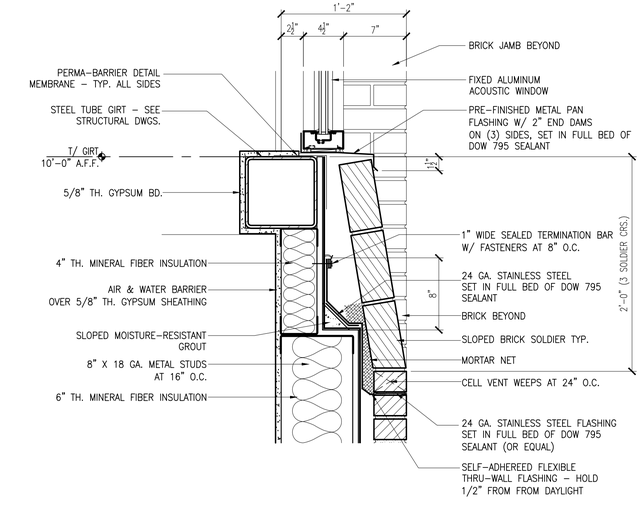
3 A8.6 WINDOW SILL DETAIL
SCALE: 1 1/2" = 1'-0"



4 A8.6 WINDOW HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



5 A8.6 WINDOW JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



5 A8.6 WINDOW SILL DETAIL
SCALE: 1 1/2" = 1'-0"

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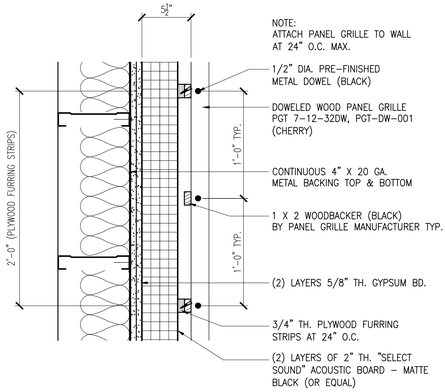
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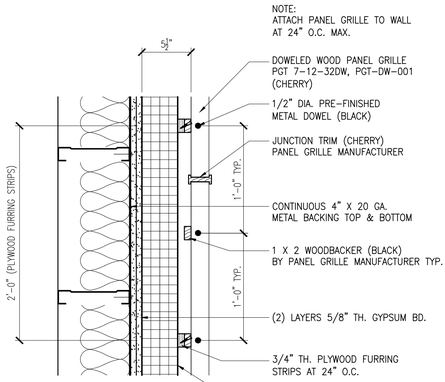
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16-111
SHEET NUMBER:
A8.6

GENERAL NOTES

1. FURNISH & INSTALL DOWELED WOOD PANEL GRILLE PGT 7/12-32DW, PG-DW-001 BY RULON INTERNATIONAL 404-694-1402 OR APPROVED EQUAL.

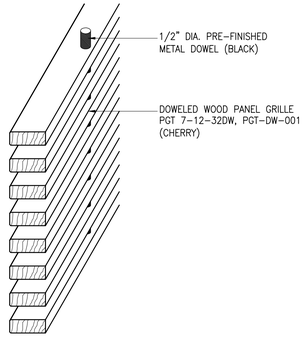


2 / A9.1 PANEL-GRILLE PLAN SECTION
SCALE: 1 1/2" = 1'-0"

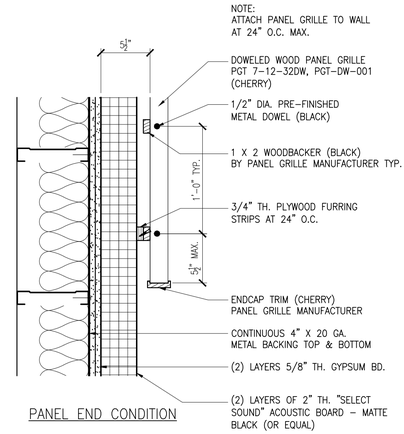


PANEL JUNCTION CONDITION

3 / A9.1 PANEL-GRILLE PLAN SECTION
SCALE: 1 1/2" = 1'-0"

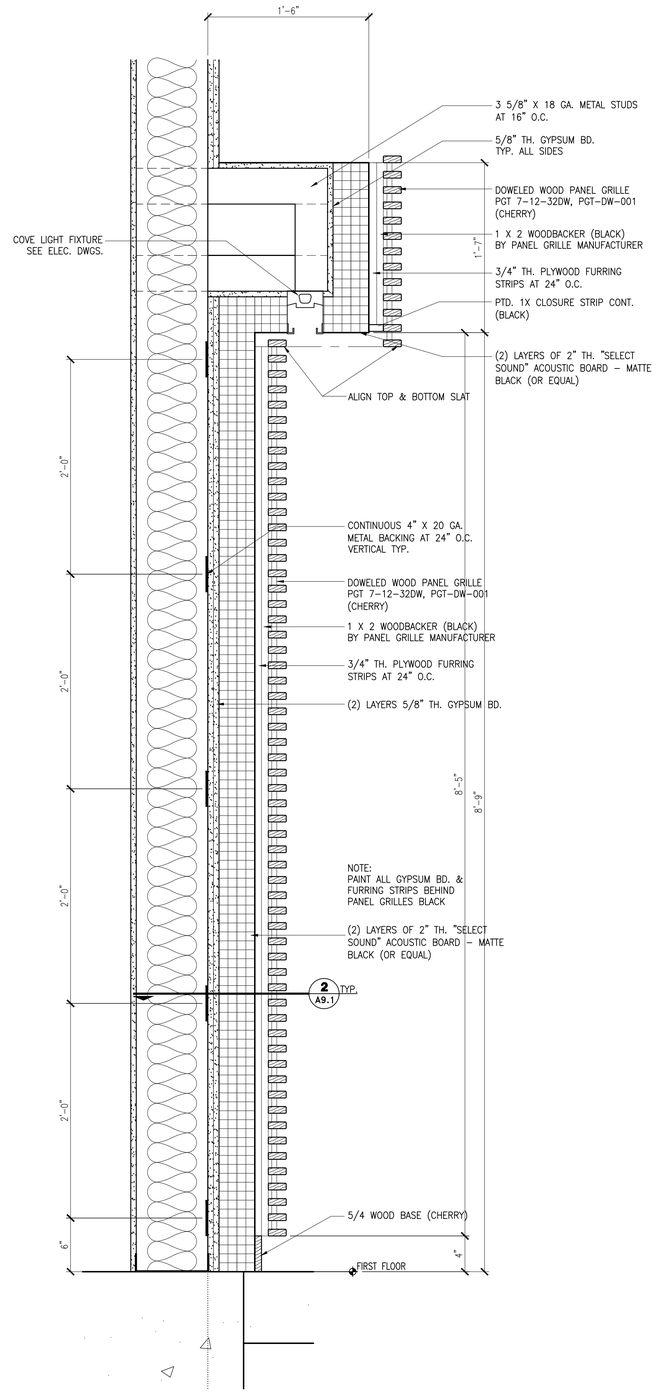


5 / A9.1 PANEL-GRILLE ISOMETRIC
NO SCALE



PANEL END CONDITION

4 / A9.1 PANEL-GRILLE PLAN SECTION
SCALE: 1 1/2" = 1'-0"



1 / A9.1 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

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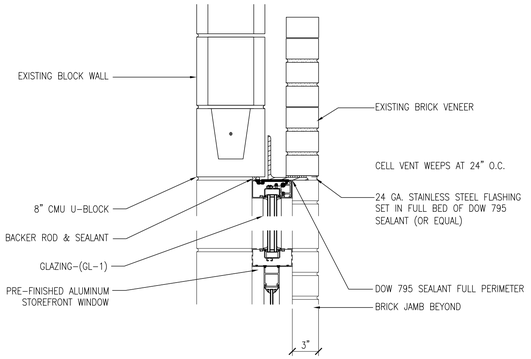
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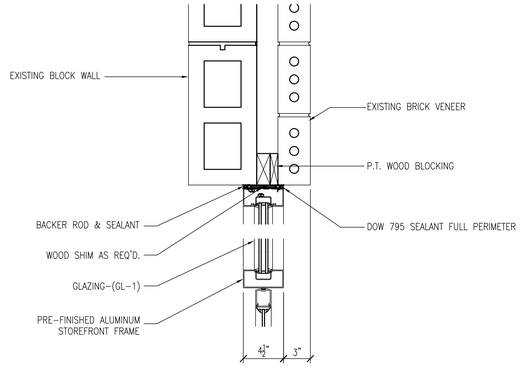
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PANEL GRILLE DETAILS

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DATE: **6-14-2017**
FILE NUMBER: -
PROJECT NUMBER: **16-111**
SHEET NUMBER:

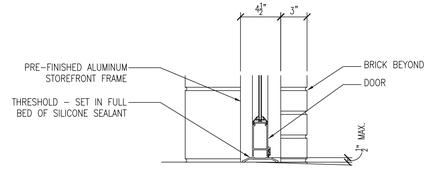
A9.1



1 AR7.0 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



2 AR7.0 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



5 A8.3 DOOR SILL DETAIL
SCALE: 1 1/2" = 1'-0"

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-	-	-

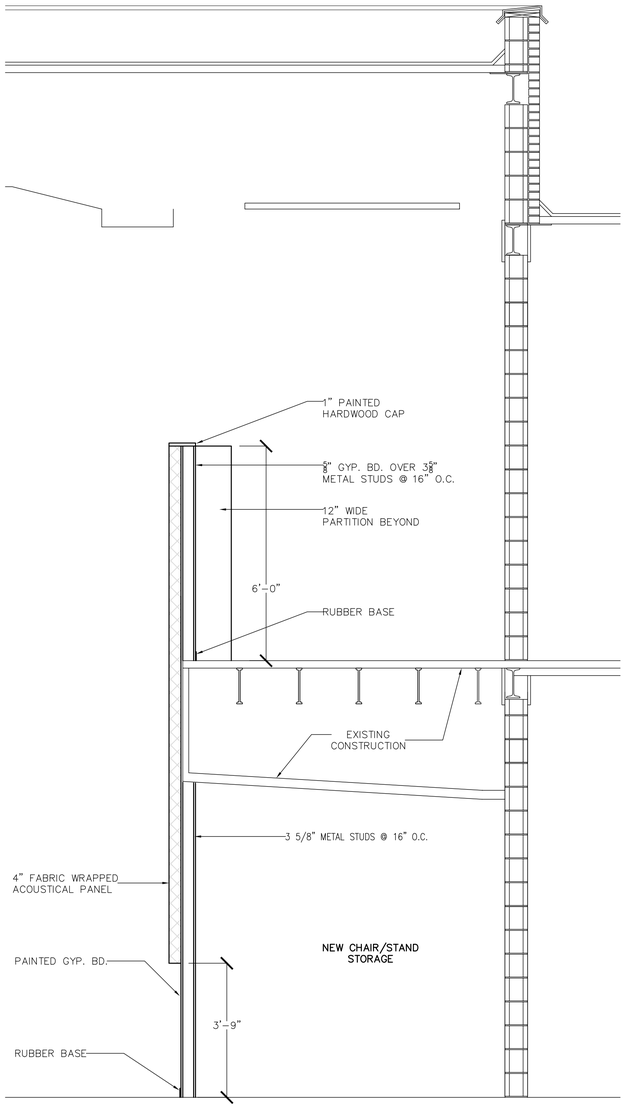
STATE OF ALABAMA
REGISTERED ARCHITECTS
JAMES I. BARGANIER 1484
DART. W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

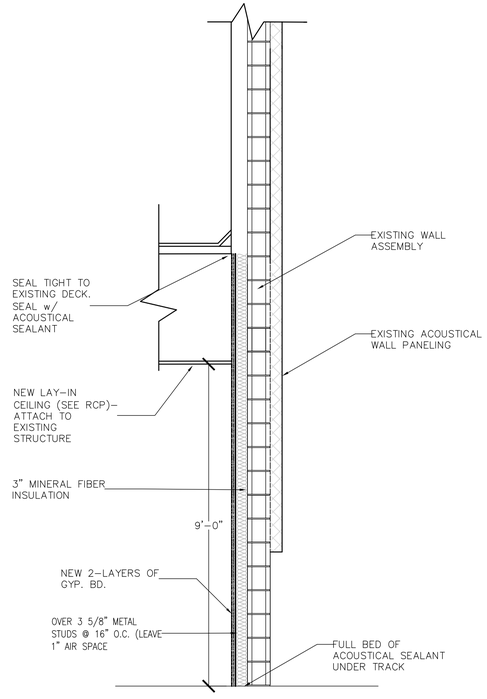
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
DOOR HEAD, JAMB, & SILL DETAILS

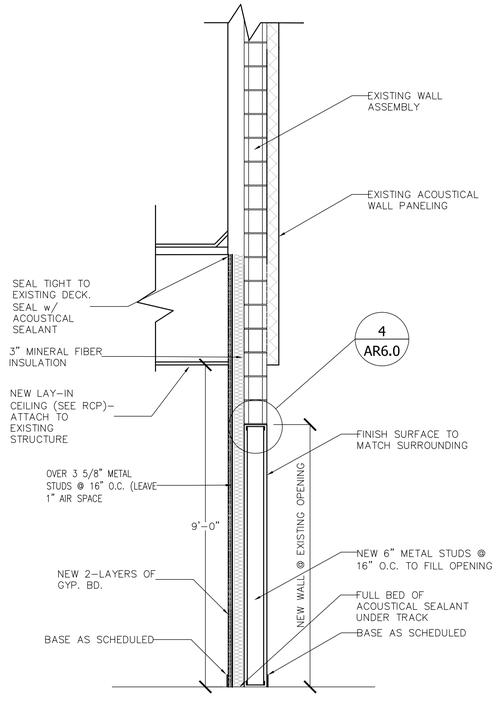
DRAWN BY: JBR
CHECKED BY: –
DATE: 6-14-2017
FILE NUMBER: –
PROJECT NUMBER: 16-111
SHEET NUMBER: AR7.0



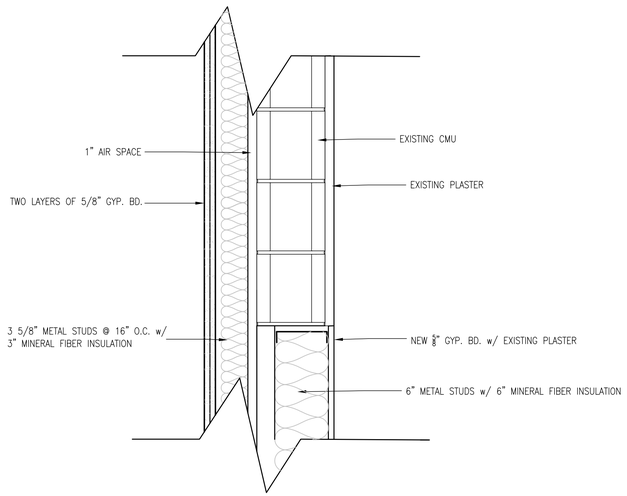
1 AR6.0 WALL SECTION 1/2"=1'-0"



2 AR6.0 WALL SECTION 1/2"=1'-0"



3 AR6.0 WALL SECTION 1/2"=1'-0"



4 AR6.0 1 1/2"=1'-0"

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DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
WALL SECTION

DRAWN BY: JBR
CHECKED BY: –
DATE: 6–14–2017
FILE NUMBER: –
PROJECT NUMBER: 16–111
SHEET NUMBER: AR6.0

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALL				CEILING	REMARKS
				NORTH	EAST	SOUTH	WEST		
101	VESTIBULE	VCT	RUBBER	PAINT	PAINT	PAINT	PAINT	–	
102	PRACTICE RM/STORAGE	VCT	RUBBER	PAINT	PAINT	PAINT	PAINT	LAY-IN	
103	OFFICE	CARPET	RUBBER	PAINT	PAINT	PAINT	PAINT	LAY-IN	
104	CONCERT ENSEMBLE REHEARSAL	LVT	RUBBER	–	–	–	–	–	REMOVE EXISTING FLOORING
105	PERCUSSION PRACTICE RM	–	RUBBER	–	–	–	–	LAY-IN	NEW RUBBER BASE AT NEW PARTITION
106	MECHANICAL	–	–	–	–	–	–	–	
107	LOBBY & DISPLAY ARCHIVE	–	–	–	–	–	–	–	PAINT WALLS AT NEW WALLS-NEW RUBBER BASE AT NEW WALL
108	CHAIR/STAND STORAGE	VCT	RUBBER	PAINT	PAINT	PAINT	PAINT	PAINT	CLEAN AND WAX EXISTING FLOOR
109	CHAIR/STAND STORAGE	VCT	RUBBER	PAINT	PAINT	PAINT	PAINT	PAINT	CLEAN AND WAX EXISTING FLOOR
110	NEW OFFICE	CARPET	RUBBER	PAINT	PAINT	PAINT	PAINT	LAY-IN	
111	OFFICE	–	–	–	–	–	–	–	
112	OFFICE	–	–	–	–	–	–	–	PAINT WALL AT INFILLED DOOR-NEW RUBBER BASE AT INFILLED WALL
113	OFFICE	–	–	–	–	–	–	–	
114	CONFERENCE/T.A. OFFICE	CARPET	RUBBER	PAINT	PAINT	PAINT	PAINT	–	
115	CORRIDOR	VCT	RUBBER	PAINT	PAINT	PAINT	PAINT	–	NEW RUBBER BASE AT NEW PARTITION
116	CORRIDOR	CARPET	RUBBER	PAINT	PAINT	PAINT	PAINT	ACOUSTICAL	MATCH EXISTING FLOORING AND CEILING TILE
201	MEZZANINE/LIBRARY	CARPET	RUBBER	PAINT	PAINT	PAINT	PAINT	–	

GENERAL NOTES

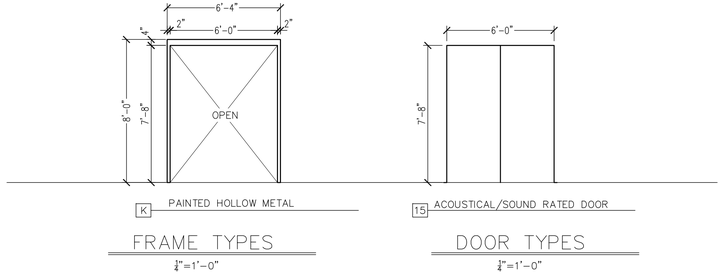
1.) ALL NEW PARTITIONS TO BE PAINTED TO MATCH ADJACENT SURFACE
2.) ALL NEW PARTITIONS TO RECEIVE NEW RUBBER BASE TO MATCH EXISTING

DOOR SCHEDULE

NO.	DOOR WIDTH	DOOR HEIGHT	DOOR THICK	FRAME TYPE	FRAME MAT'L.	LABEL	SIGNAGE	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	REMARKS
101	NO WORK										EXISTING DOOR TO REMAIN
102	4'-0"	7'-0"	1 3/4"	11	HM	J	PRACTICE	7/AR5.0	8/AR5.0	3/A8.2(SIM)	STC-51 ACOUSTICAL DOOR
103	4'-0"	7'-0"	1 3/4"	11	HM	J	OFFICE	7/AR5.0	8/AR5.0	3/A8.2(SIM)	STC-51 ACOUSTICAL DOOR
104A	PR. 3'-0"	7'-8"	1 3/4"	15	HM	K	VESTIBULE	1/AR5.0	2/AR5.0	3/A8.2(SIM)	STC-51 ACOUSTICAL DOOR-REPLACE EXISTING HM FRAME & DOOR
104B	NO WORK			15		K					EXISTING DOOR TO REMAIN
104C	PR. 3'-0"	7'-8"	1 3/4"		HM		HM	1/AR5.0(SIM)	5/AR5.0		NEW DOOR TO BE INCLUDED IN BASE BID-VERIFY EXISTING DOOR HT.
104D	NO WORK										
105A	4'-0"	7'-0"	1 3/4"	11	HM	J	HM	PERCUSSION PRACTICE	4/AR5.0	5/AR5.0	3/A8.2(SIM) STC-51 ACOUSTICAL DOOR
105B	4'-0"	7'-0"	1 3/4"	11	HM	J	HM	OFFICE	7/AR5.0	8/AR5.0	3/A8.2(SIM) STC-51 ACOUSTICAL DOOR
107	PR. 3'-0"	8'-9 1/2"	1 3/4"		ALUM		ALUM		1/AR7.0	2/AR7.0	3/AR7.0 NEW DOOR TO BE INCLUDED IN BASE BID-VERIFY EXISTING DOOR SIZE
108	PR. 3'-0"	7'-0"	1 3/4"	3	SCW	C	HM	STORAGE	1/A8.4	2/A8.4	
109	PR. 3'-0"	7'-0"	1 3/4"	3	SCW	C	HM	STORAGE	1/A8.4	2/A8.4	
110	3'-0"	7'-0"	1 3/4"	2	SCW	B	PHM	OFFICE	1/A8.4	2/A8.4	6"x18" VIEW PANEL- INCLUDED IN BASE BID
114	3'-0"	7'-0"	1 3/4"	2	SCW	B	PHM	CONFERENCE	1/A8.4	2/A8.4	6"x18" VIEW PANEL- INCLUDED IN BASE BID

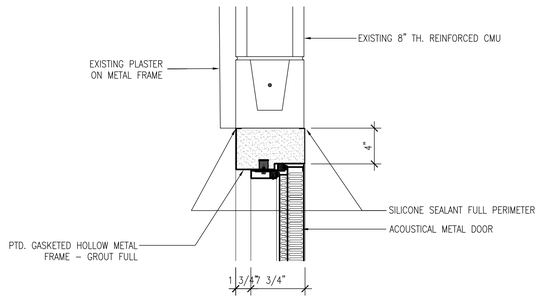
NOTE:

SEE A8.1 FOR ADDITIONAL DOOR AND FRAME TYPES

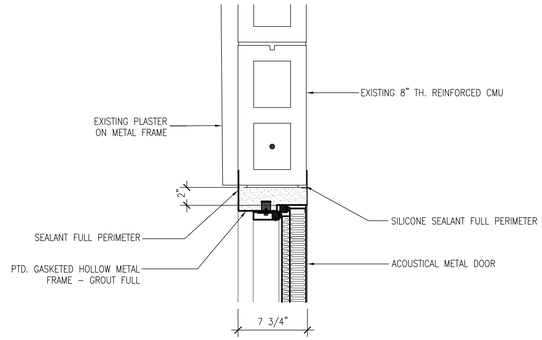


FRAME TYPES
1/4"=1'-0"

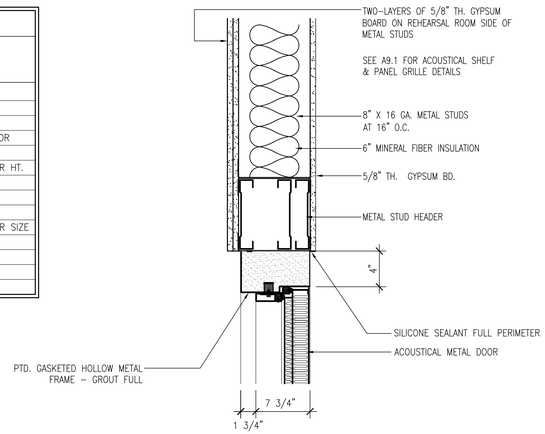
DOOR TYPES
1/4"=1'-0"



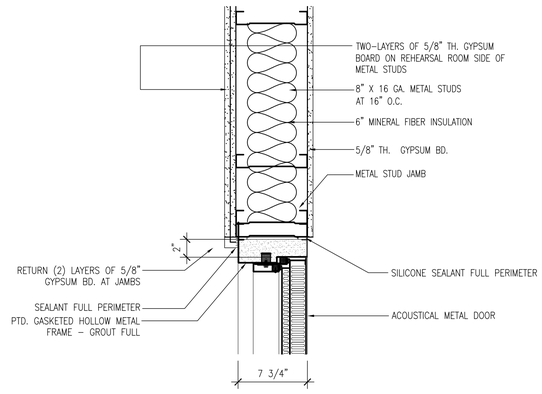
1 AR5.0 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



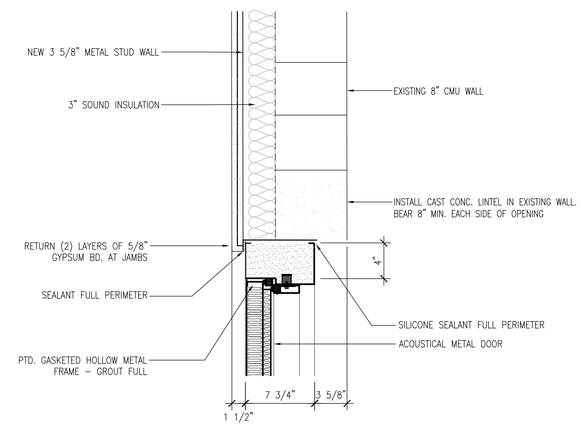
2 AR5.0 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



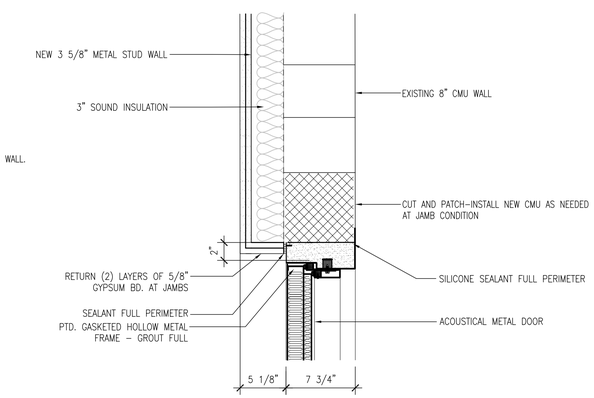
4 AR5.0 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



5 AR5.0 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



7 AR5.0 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



8 AR5.0 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"

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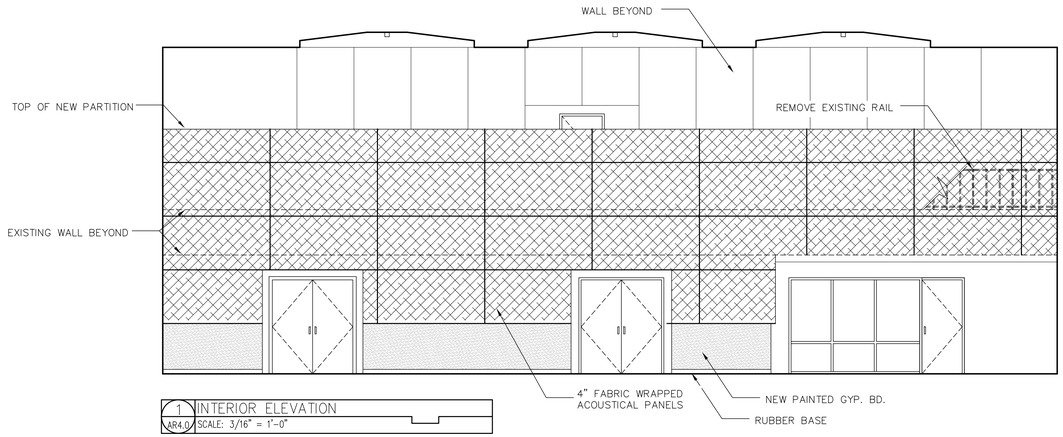
STATE OF ALABAMA
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JAMES I. BARGANIER 1484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

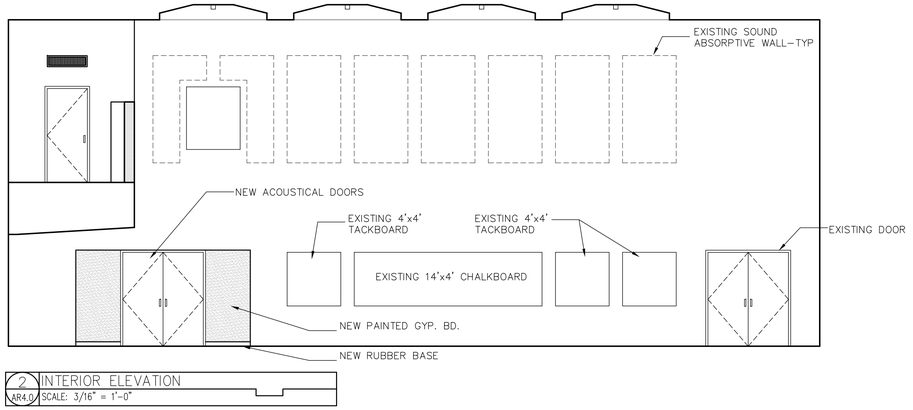
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
DOOR SCHEDULE/ ROOM FINISH SCHEDULE

DRAWN BY: JBR
CHECKED BY: –
DATE: 6-14-2017
FILE NUMBER: –
PROJECT NUMBER: 16-111
SHEET NUMBER: AR5.0



1 AR4.0 INTERIOR ELEVATION
SCALE: 3/16" = 1'-0"



2 AR4.0 INTERIOR ELEVATION
SCALE: 3/16" = 1'-0"

3 AR4.0 INTERIOR ELEVATION
SCALE: 3/16" = 1'-0"

4 AR4.0 INTERIOR ELEVATION
SCALE: 3/16" = 1'-0"

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No.	Revision	Date
-	-	-

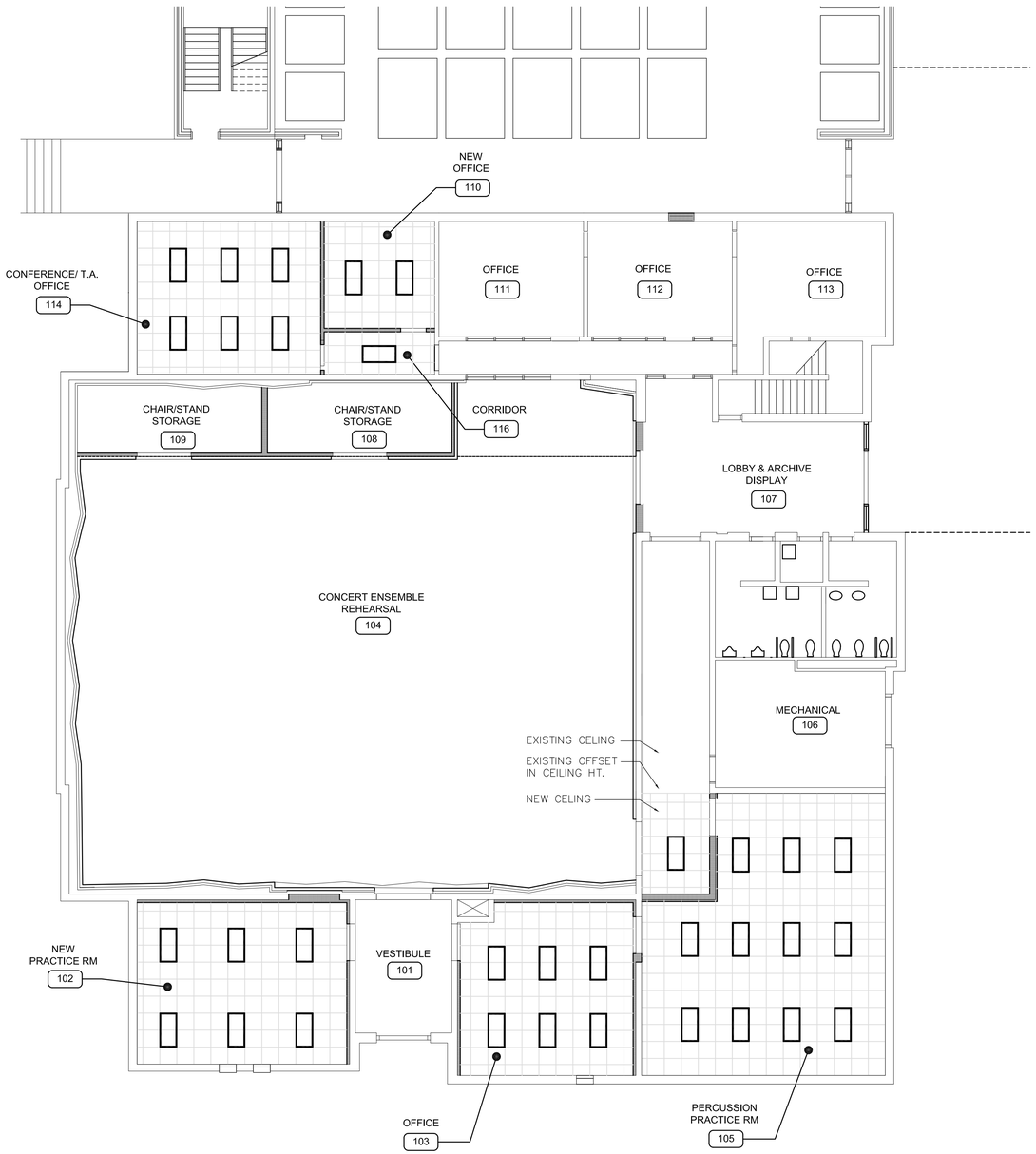
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RAY E. WILLIAMS 4239
REGISTERED ARCHITECTS

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

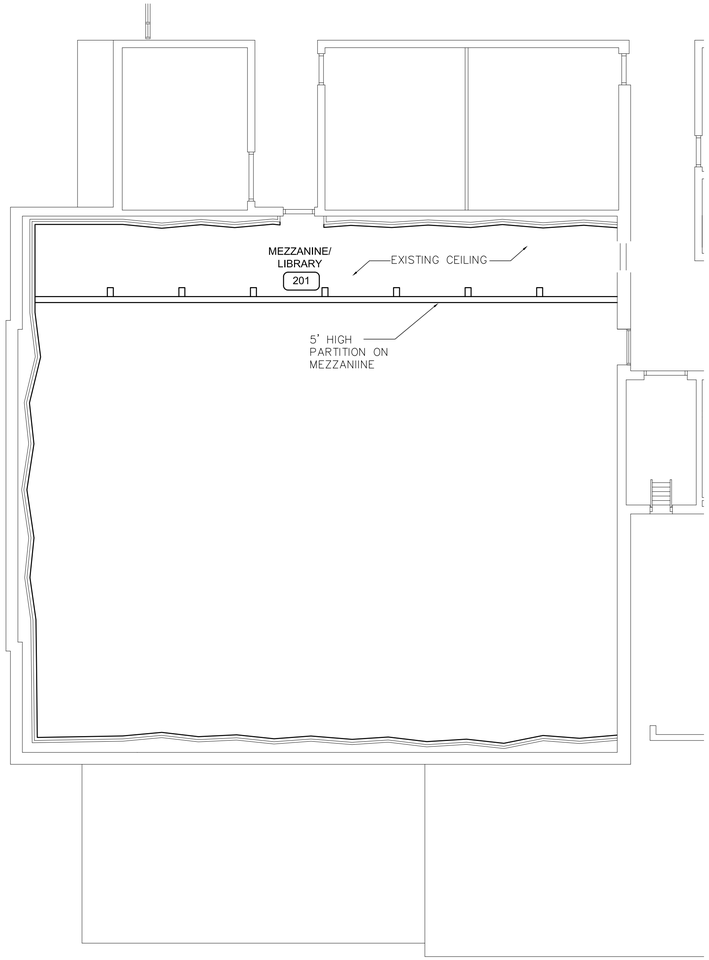
GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
INTERIOR ELEVATIONS

DRAWN BY:
JBR
CHECKED BY:
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DATE:
6–14–2017
FILE NUMBER:
–
PROJECT NUMBER:
16–111
SHEET NUMBER:
AR4.0



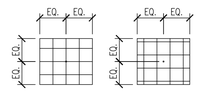
1 AR3.1 FIRST FLOOR – REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



2 AR3.1 SECOND FLOOR – REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. GENERAL CONTRACTOR TO COORDINATE WITH ALL DISCIPLINES (STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND SPRINKLER) PRIOR TO CEILING INSTALLATION. REPORT ANY DISCREPANCIES TO ARCHITECT.
2. CEILINGS SHALL BE LAID OUT TO CENTER POINT OF ROOM IN ONE OF THE FOLLOWING MANNERS AS APPLICABLE TO LIGHTING LAYOUT:



FIXTURE LEGEND

- 2 X 4 LIGHT FIXTURE
- RETURN AIR GRILLE
- SUPPLY AIR DIFFUSER

CEILING LEGEND

- LAY-IN ACOUSTICAL CEILING TILE (ACT-1)

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Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION Project Number 15-255

SHEET TITLE:
FIRST AND SECOND FLOOR GOODWIN HALL NEW REFLECTED CEILING PLANS

DRAWN BY: JBR
CHECKED BY: –
DATE: 6-14-2017
FILE NUMBER: –
PROJECT NUMBER: 16-111
SHEET NUMBER: AR3.1

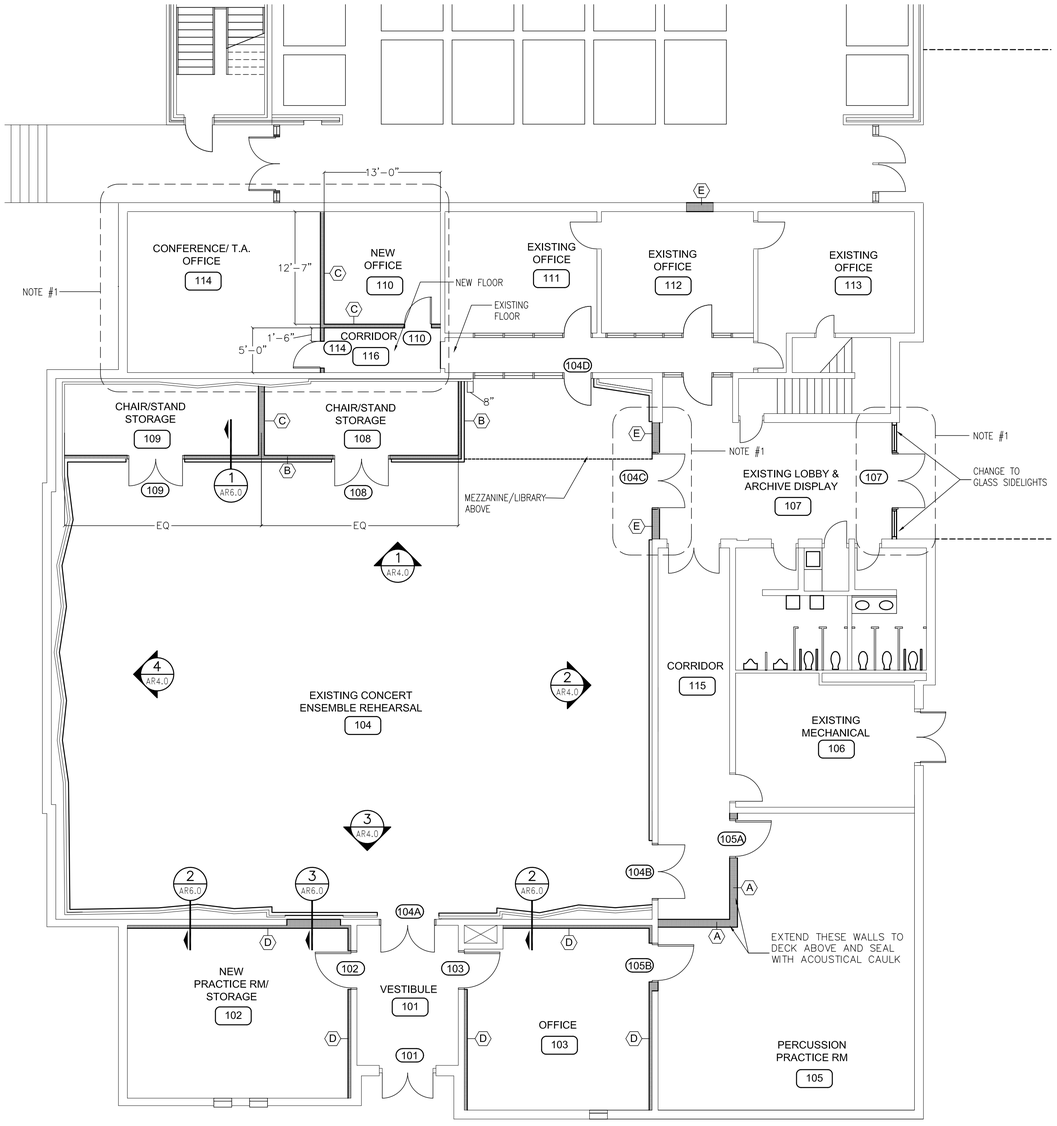
GENERAL NOTES

1.) THIS WORK SHALL BE PART OF THE BASE BID. ALL OTHER WORK IN EXISTING BUILDING IS PART OF THE ADD ALTERNATE- SEE ENGINEERING DRAWINGS FOR OTHER RENOVATION WORK IN THE BASE BID.

2.) SOUND INSULATION NOT REQUIRED IN ROOMS 108,109, OR 201

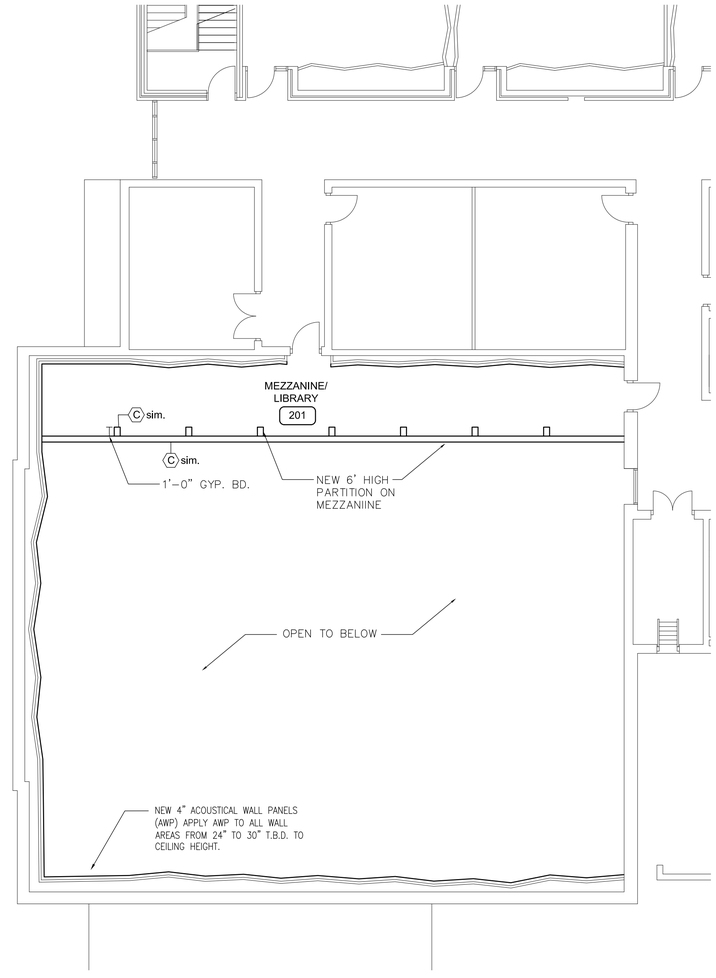
LEGEND

NEW WALL



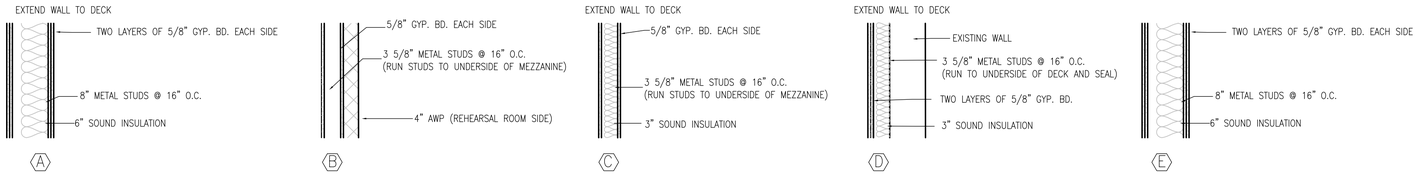
FIRST FLOOR -NEW - GOODWIN HALL

SCALE: 1/8"= 1'-0"



SECOND FLOOR - NEW - GOODWIN HALL

SCALE: 1/8"= 1'-0"



WALL LEGEND

SCALE: 3/4"= 1'-0"

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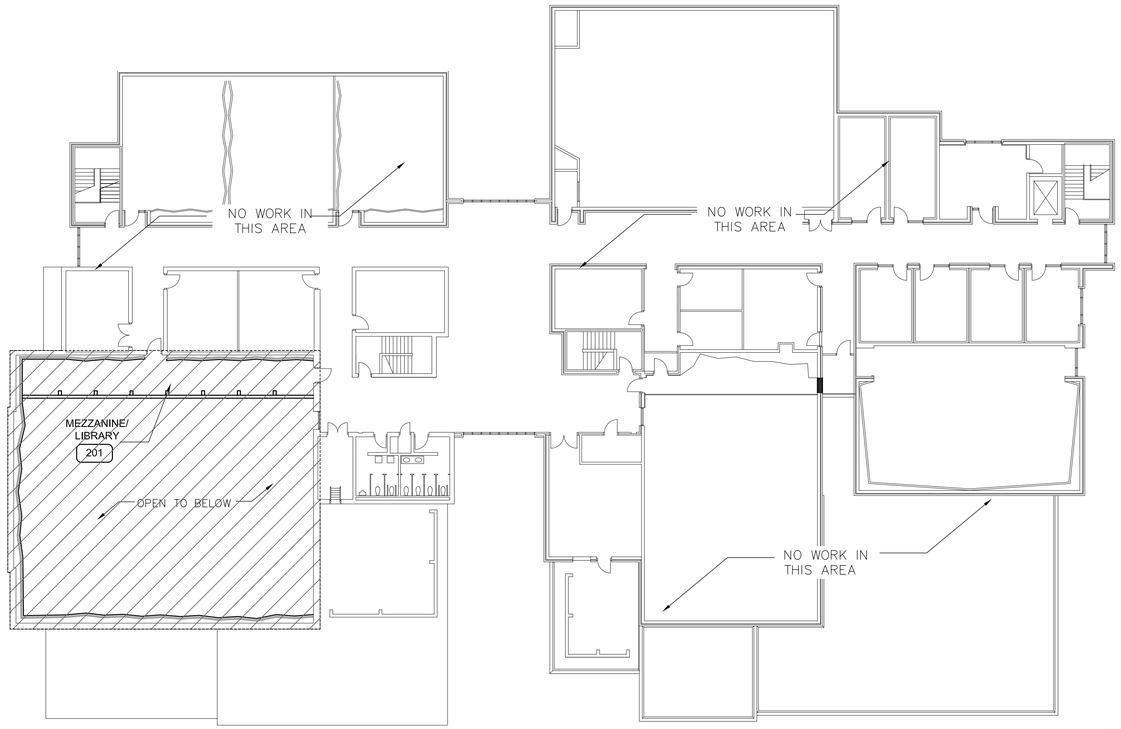
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JAMES I. BARGANIER 1484
DART W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
FIRST AND SECOND FLOOR GOODWIN HALL NEW FLOOR PLANS

DRAWN BY: JBR
CHECKED BY: –
DATE: 6–14–2017
FILE NUMBER: –
PROJECT NUMBER: 16–111
SHEET NUMBER: AR3.0



2 SECOND FLOOR – COMPOSITE PLAN
AR2.0 SCALE: 1/16" = 1'-0"

1 FIRST FLOOR – COMPOSITE PLAN
AR2.0 SCALE: 1/16" = 1'-0"

LEGEND

- AREA WHERE RENOVATION WORK WILL BE PERFORMED
- PROPOSED AREA WHERE NEW BAND REHEARSAL HALL TO BE LOCATED
- NEW WALL

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Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
FIRST AND SECOND FLOOR GOODWIN HALL RENOVATIONS COMPOSITE FLOOR PLANS

DRAWN BY: JBR
CHECKED BY: –
DATE: 6–14–2017
FILE NUMBER: –
PROJECT NUMBER: 16–111
SHEET NUMBER: AR2.0

GENERAL NOTES:

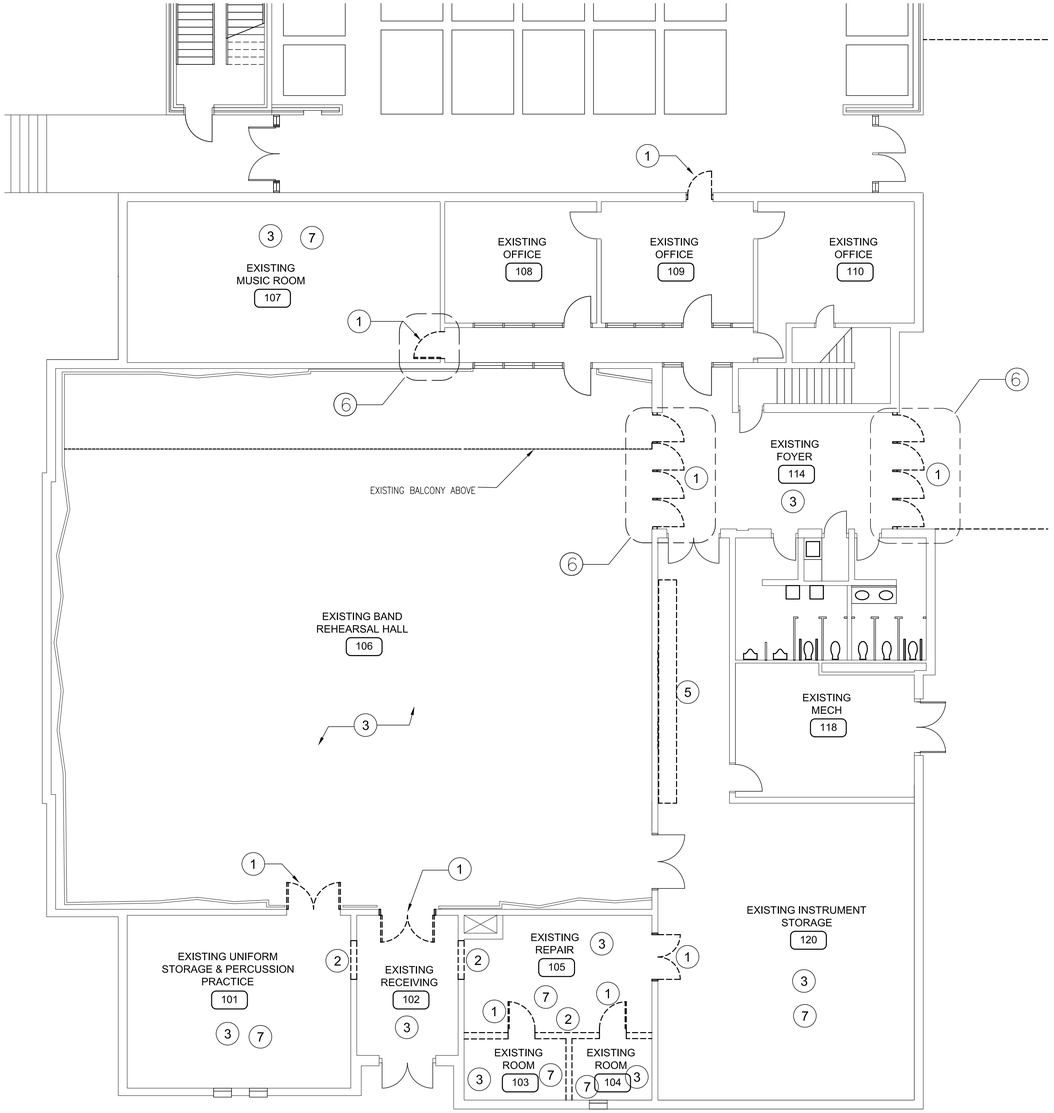
1) ALL RENOVATION WORK IN EXISTING BUILDING IS PART OF AN ADD ALTERNATE EXCEPT WHERE NOTED OTHERWISE AS BASE BID WORK- SEE ENGINEERING DRAWINGS FOR OTHER RENOVATION WORK IN THE BASE BID.

2) ALL BASE BID WORK IN THE EXISTING BUILDING SHALL BE SCHEDULED IN ADVANCE WITH OWNER. THE BUILDING WILL BE OCCUPIED DURING BASE BID WORK.

DEMOLITION LEGEND

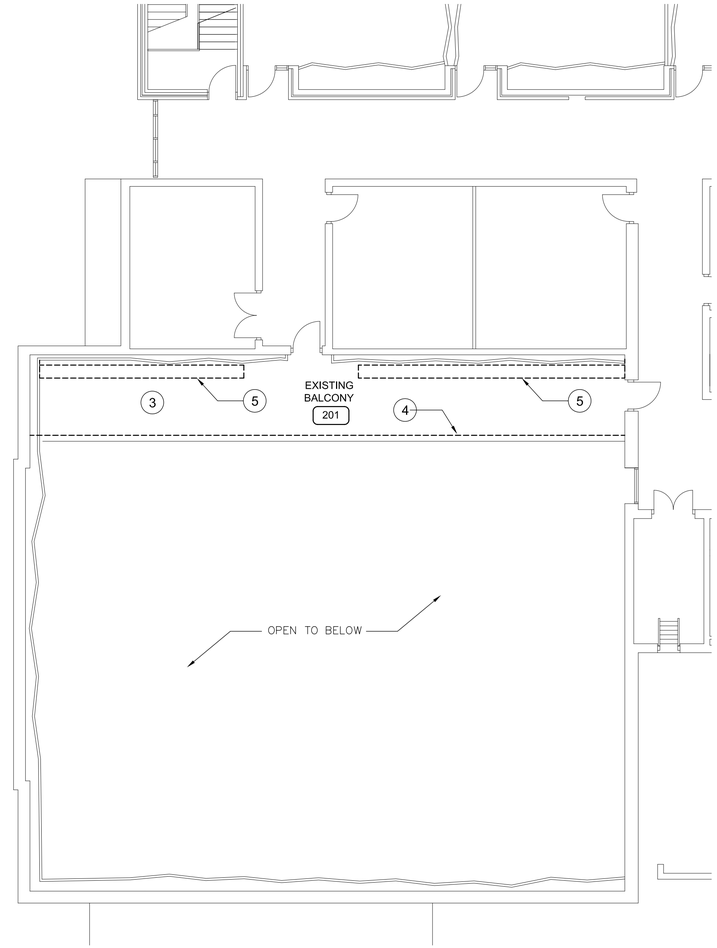
1. REMOVE EXISTING DOOR AND FRAME
2. REMOVE EXISTING WALL FOR NEW DOOR/FRAME INSTALLATION
3. REMOVE EXISTING FLOOR
4. REMOVE GUARD RAILING AT MEZZANINE
5. REMOVE EXISTING STORAGE CABINETS AND CUBBIES IN ITS ENTIRETY (SALVAGE FOR OWNER)
6. THIS WORK IS PART OF THE BASE BID
7. REMOVE EXISTING CEILING

WALLS TO BE REMOVED



FIRST FLOOR - DEMOLITION PLAN - GOODWIN HALL

SCALE: 1/8"= 1'-0"



SECOND FLOOR - DEMOLITION PLAN - GOODWIN HALL

SCALE: 1/8"= 1'-0"

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No.	Revision	Date
-	-	-

STATE OF ALABAMA
REGISTERED ARCHITECTS
JAMES I. BARGANIER 1484
DART. W. DAVIS 2767
RAY E. WILLIAMS 4239

Project Number: 2016-111
BARGANIER DAVIS SIMS
Drawn By:

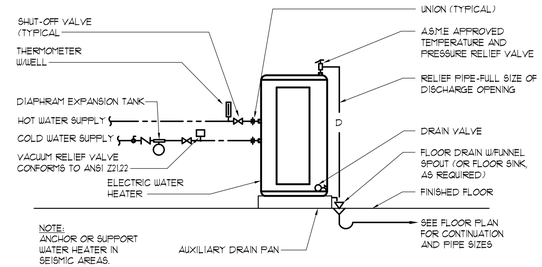
GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
FIRST AND SECOND FLOOR GOODWIN HALL DEMOLITION PLANS

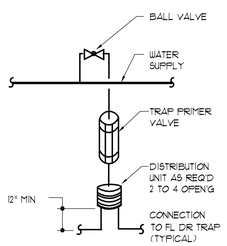
DRAWN BY: JBR
CHECKED BY: –
DATE: 6–14–2017
FILE NUMBER: –
PROJECT NUMBER: 16–111
SHEET NUMBER: AR1.0

PLUMBING GENERAL NOTES

1. COORDINATE LOCATION OF PIPE ROUTING WITH LIGHT FIXTURES WITH ELECTRICAL CONTRACTOR. RELOCATE PIPING, IF NECESSARY, AS DIRECTED BY THE ARCHITECT/ENGINEER.
2. THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF THIS WORK THE CONTRACTOR SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.
3. THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW THE EXACT ROUTING OR DETAILED FITTINGS. ALL WORK SHALL BE INSTALLED AS A COMPLETE SYSTEM WITH NECESSARY COMPONENTS, FITTINGS, STRAPS, ETC. ALL VALVES SHALL BE INSTALLED SO THAT THEY ARE ACCESSIBLE.
4. REFER TO THE ENTIRE CONTRACTED DRAWING SET AND SPECIFICATIONS FOR GUIDANCE ON DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES, STRUCTURAL DETAILS, LOCATIONS OF DUCTWORK, PIPING AND STRUCTURAL MEMBERS. INSTALL THE PLUMBING SYSTEMS SO AS NOT TO INTERFERE WITH THE INSTALLATION OR FUNCTION OF ANOTHER DISCIPLINES WORK. PIPING ROUTED EXPOSED TO VIEW SHALL BE ROUTED TIGHT TO STRUCTURE OR AS OTHERWISE DIRECTED BY ARCHITECT/ENGINEER.
5. ALL DIMENSIONS OF EXISTING CONSTRUCTION ARE APPROXIMATE. THE CONTRACTORS SHALL MAKE ALL NECESSARY FIELD MEASUREMENTS OF EXISTING STRUCTURES, AND EQUIPMENT TO VERIFY DIMENSIONS SHOWN ON THE DRAWINGS. PROVIDE PROPER DIMENSIONS NOT SHOWN PRIOR TO EQUIPMENT FABRICATION. ALL COST FOR MODIFICATIONS OF NEW CONSTRUCTION DUE TO LACK OF CONFIRMATION OF DIMENSIONS BY FIELD MEASUREMENT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.
6. ALL PIPING MUST BE CONCEALED ABOVE THE CEILING OR IN THE WALLS UNLESS OTHERWISE NOTED.
7. COORDINATE VALVE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN TO ENSURE NONE ARE INSTALLED OVER GYPSUM BOARD CEILINGS. WHERE VALVES ABOVE HARD CEILINGS CANNOT BE AVOIDED, PROVIDE ACCESS DOOR IN CEILING. ACCESS SHALL BE PROVIDED TO BOTH NEW AND EXISTING CLEANOUTS. PROVIDE ACCESS DOOR IN CEILINGS AS NECESSARY.
8. PROVIDE SHUT-OFF VALVES AT EACH FIXTURE OR FIXTURE GROUP ON ALL DOMESTIC LINES. CONTRACTOR SHALL PROVIDE UNIT PRICE FOR 1/2", 3/4" & 1" ISOLATION VALVES.
9. THE PLUMBING CONTRACTOR SHALL COORDINATE EXACT ROUTING OF ALL PIPING WITH ALL OTHER TRADES AND WITH EXISTING STRUCTURAL & PIPING OBSTRUCTIONS.



2 ELECTRIC WATER HEATER DETAIL
NOT TO SCALE



3 TRAP PRIMER DETAIL
NOT TO SCALE

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	CW	HW	WASTE	VENT	SPECIFICATION
P-1	WATER CLOSET	1"	N/A	4"	2"	ZURN Z5615 WALL-MOUNTED TOILET W/ Z6000AV 1.6 GPF MANUAL FLUSH VALVE, BENEKE 521 SEAT WITH S.S. CHECK HINGES, AND WALL MTD. CARRIER.
P-1A	WATER CLOSET - ADA	1"	N/A	4"	2"	ZURN Z5615 WALL-MOUNTED TOILET W/ Z6000AV 1.6 GPF MANUAL FLUSH VALVE, BENEKE 521 SEAT WITH S.S. CHECK HINGES, AND ADA COMPLIANT WALL MTD. CARRIER.
P-2	URINAL	1/2"	N/A	2"	1-1/2"	ZURN Z5755-U 3/4" TOP SPUD URINAL W/ ZTR6203-ULF (0.125 GPF) FLUSH VALVE, WITH WALL MOUNTED CARRIER.
P-2A	URINAL - ADA	1/2"	N/A	2"	1-1/2"	ZURN Z5755-U 3/4" TOP SPUD URINAL W/ ZTR6203-ULF (0.125 GPF) FLUSH VALVE, WITH WALL MOUNTED CARRIER AT ADA HEIGHT.
P-3A	LAVATORY - WALL MTD. ADA	1/2"	1/2"	2"	1-1/2"	ZURN Z5364 WALL MOUNTED LAV W/ Z8180A-XL-3M (.5 GPM) FAUCET, GRID STRAINER, Z8100-D P-TRAP, INSULATION KIT, SUPPLY STOPS, THERM. MIXING VALVE (MV-B) & ADA COMPLIANT. SHALL NOT CONTAIN PLASTIC PARTS.
P-4	DRINKING FOUNTAIN - ADA	1/2"	N/A	1-1/4"	2"	ELKAY MODEL LZ8TLRSWSSK WALL MTD. DUAL FOUNTAIN W/BOTTLE FILLER, 1-1/4" P-TRAP & SUPPLY STOP, & INTEGRAL WATER COOLER.
P-5	MOP SINK	1/2"	1/2"	3"	2"	WILLIAMS SB-902 RECEPTOR W/ T-35 HOSE AND WALL HOOK, T-40 MOP HANGER, MOEN 8724 VACUUM BREAK FAUCET, TILING FLANGE, 4 SPLASH CATCHER PANELS. INTEGRAL CHECK VALVES ON CW & HW.
FD	FLOOR DRAIN	N/A	N/A	N/A	N/A	JR SMITH 2010 WITH 6" TYPE B SQUARE ADJUSTABLE STRAINER WITH SATIN NICKEL BRONZE FINISH. PROVIDE WITH VANDAL PROOF SECURED TOP AND TRAP PRIMER
FCO	FLOOR CLEAN OUT	N/A	N/A	N/A	N/A	JR SMITH 4023 WITH TAPPER THREAD BRONZE PLUG AND ROUND ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP.
WCO	WALL CLEAN OUT	N/A	N/A	N/A	N/A	JR SMITH 4710 OR 4715 STAINLESS STEEL SHALLOW COVER OR CHROME PLATED BRONZE DEEP COVER WITH CENTER SCREW.

ELECTRIC WATER HEATER SCHEDULE

TAG	TANK (GAL.)	NO. OF HEATERS	TOTAL KW	V/Φ	RECOVERY (GPH)	TEMP. RISE (°F)	SUPPLY (°F)	MANUF. & MODEL N°.	NOTES
WH-A	38	2 (NON-SIMUL.)	4.5	230/1	21	70°	120°	AO SMITH: PCJN-40	①

① LOW BOY STYLE MOUNTED ON SHELF IN JANITOR CLOSET

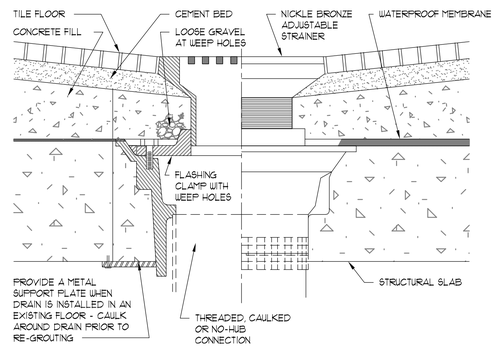
WATER SOFTENER SCHEDULE

TAG	DESCRIPTION	MAX. FLOW (GPM)	MAX. PRESSURE (PSI)	EXCHANGE CAPACITY (KILOGRAINS)	VOLT/Φ	BASIS OF DESIGN	REMARKS
WS-1	WATER SOFTENER	13	125	14,900	120	MARLO: MCV-15-K	①

① OR APPROVED EQUAL

LEGEND - PLUMBING

	A/C	ABOVE CEILING
	AD	AREA DRAIN
	AFG	ABOVE FINISHED GRADE
	AFF	ABOVE FINISHED FLOOR
	A/F	ABOVE FLOOR
	BC	BALANCING COCK OR VALVE
	B/F	BELOW FLOOR
	BFF	BELOW FINISHED FLOOR
	BFG	BELOW FINISHED GRADE
	BFP	BACKFLOW PREVENTER ASSEMBLY
	B/G	BELOW GRADE
	CO	CLEANOUT
	CW	DOMESTIC COLD WATER
	CV	CHECK VALVE
		CONNECT TO EXISTING
		CONTINUE TO DESIGNATED LOCATION
	DD	DECK DRAIN
		DIRECTION OF FLOW IN PIPE
		DIRECTION OF PITCH OF PIPE
	ERD	EMERGENCY ROOF DRAIN
EST	EST	EMERGENCY STORM WATER
	FA	FRESH AIR
	FAV	FRESH AIR VENT
	FD	FLOOR DRAIN (-1 = TYPE)
	FCO	FLOOR CLEANOUT
	FS	FLOOR SINK
G	G	NATURAL GAS PIPING
	GV	GATE VALVE
	HD	HUB DRAIN
	HB	HOSE BIBB OR DRAIN VALVE
	HW	DOMESTIC HOT WATER
	HWR	HOT WATER RECIRCULATE
	I.E.	INVERT ELEVATION
	NFWH	NON FREEZE WALL HYDRANT
		P-TRAP
		PIPING UP
		PIPING DOWN
		PIPING STUB OUT / CAPPED
		PIPING TEE
P-1		PLUMBING FIXTURE DESIGNATION
	PRV	PRESSURE REDUCING VALVE
		PRESSURE GAUGE WITH GAUGE COCK
①		REFER TO PLUMBING KEYNOTES
S OR W	S OR W	SANITARY OR WASTE PIPING BELOW FLOOR OR GRADE
S OR W	S OR W	SANITARY OR WASTE ABOVE GROUND
ST	ST	STORM WATER
		STRAINER
		THERMOMETER
		UNION
V	V	VENT PIPING
VTR	VTR	SANITARY VENT THROUGH ROOF
WHA	WHA	WATER HAMMER ARRESTOR (P.D.I SIZE)
WCO	WCO	WALL CLEANOUT
YCO	YCO	YARD CLEANOUT



1 TYPE "C" FLOOR DRAIN DETAIL
NOT TO SCALE

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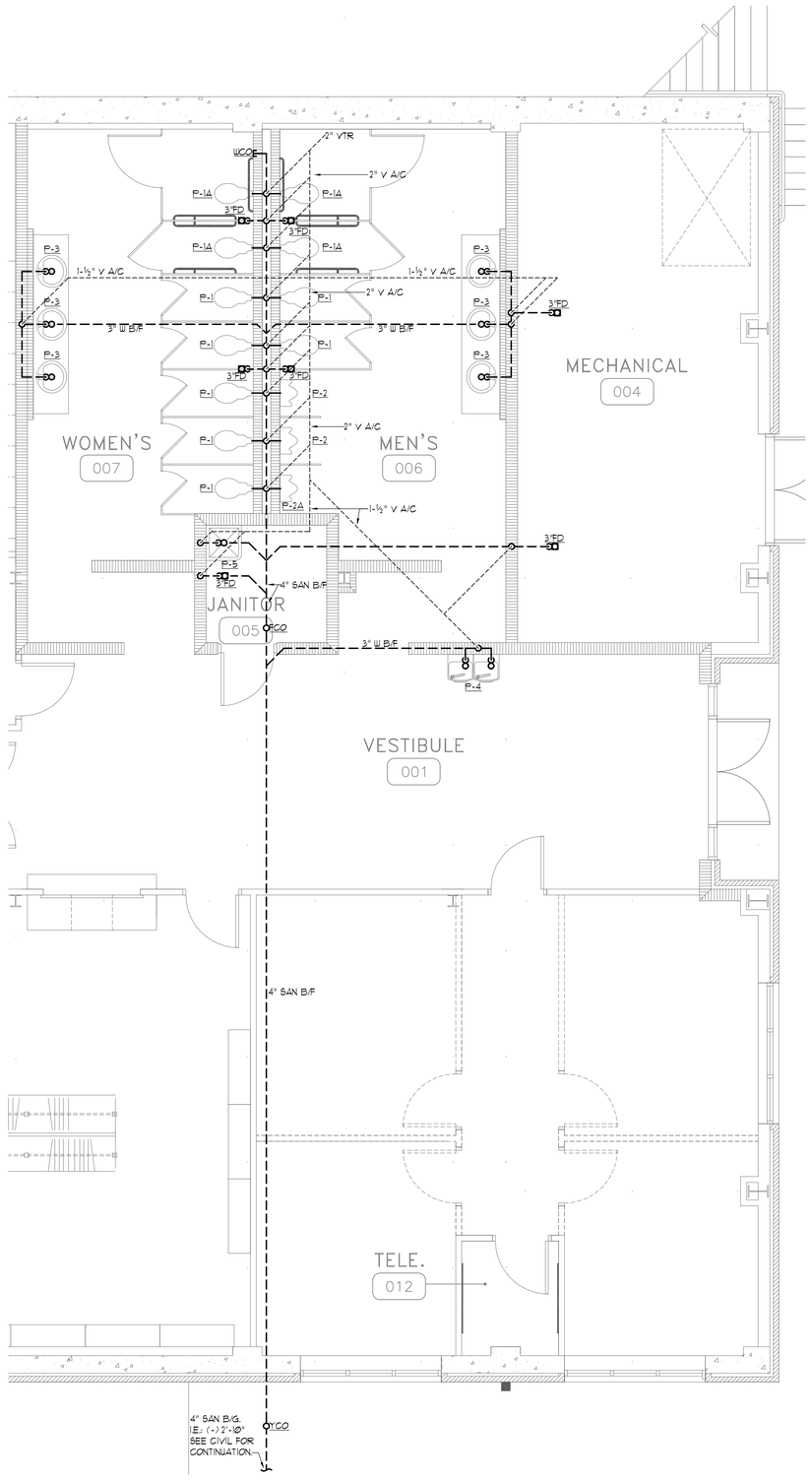
ALABAMA LICENSED PROFESSIONAL ENGINEER NO. 26760 JOSEPH T SHAFFER
06/14/2017

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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
LEGEND, NOTES, & SCHEDULES - PLUMBING

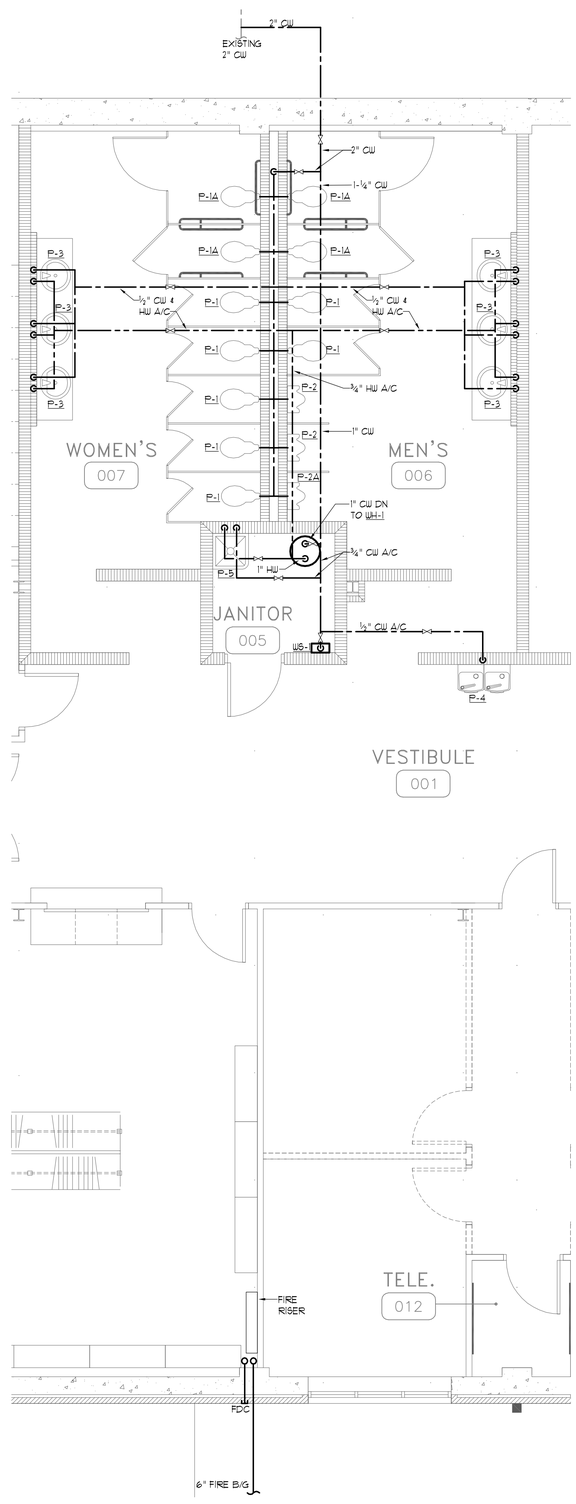
DRAWN BY: MJL
CHECKED BY: JTS
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: P0.1



2 LOWER LEVEL FLOOR PLAN - WASTE & VENT

SCALE: 1/4" = 1'-Ø"

NORTH



1 LOWER LEVEL FLOOR PLAN - DOMESTIC WATER

SCALE: 1/4" = 1'-Ø"

NORTH

PLUMBING GENERAL NOTES:

1. SEE SHEET P0.1 FOR LEGEND, NOTES, SCHEDULES & DETAILS.
2. DETAILS ARE APPLICABLE EVEN IF NOT DIRECTLY REFERENCED.

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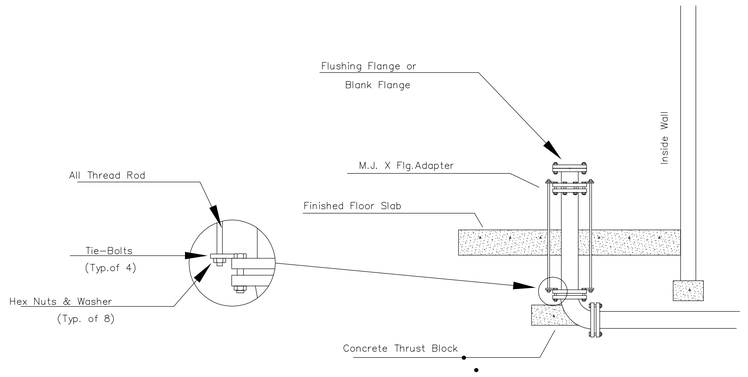
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JOSEPH T SHAFFER
6/16/2017

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GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

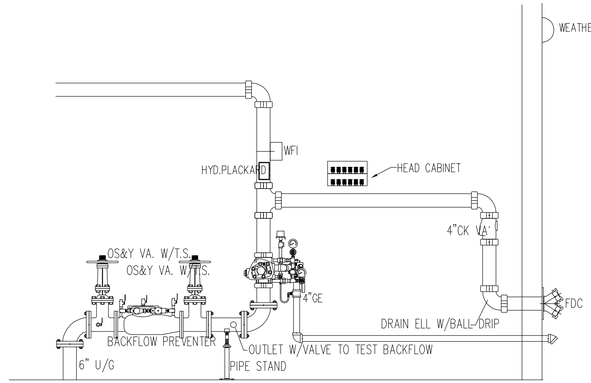
SHEET TITLE:
LOWER LEVEL FLOOR PLANS - PLUMBING

DRAWN BY: MJL
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DATE: 6-14-2017
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PROJECT NUMBER: 15-255
SHEET NUMBER: P2.1



1 FIRE WATER ENTRANCE DETAIL

NOT TO SCALE



PIPE SIZES TO BE SET BY HYDRAULIC CALCULATIONS

2 RISER DETAIL

NOT TO SCALE

NEW BUILDING FIRE PROTECTION GENERAL NOTES

1. THIS BUILDING SHALL BE PROTECTED THROUGHOUT WITH A WET PIPE SPRINKLER SYSTEM DESIGNED PER THE CURRENTLY ACCEPTED EDITIONS OF NFPA #13, #24, THE INTERNATIONAL BUILDING CODE, THE INTERNATIONAL FIRE CODE, THE STATE OF ALABAMA, THE LOCAL AUTHORITY HAVING JURISDICTION, THE OWNERS INSURANCE UNDERWRITER AND THESE DOCUMENTS.
2. THE SPRINKLER SYSTEM SHALL BE DESIGNED TO THE AVAILABLE UTILITY WATER WATER SUPPLY. THE CONTRACTOR SHALL HAVE A CURRENT WATER FLOW TEST (LESS THAN THREE MONTHS OLD) PERFORMED PRIOR TO STARTING DESIGN. THE CONTRACTOR SHALL ALSO HAVE A 24 HOUR WATER TEST PERFORMED AT THE SAME TIME AS THE FLOW TEST. THIS TEST SHALL BE USED TO ADJUST THE STATIC AND RESIDUAL PRESSURES TO USE FOR HIS CALCULATIONS.
3. SPRINKLER HEADS INSTALLED IN LAY-IN ACOUSTICAL TILE CEILINGS SHALL BE INSTALLED IN THE CENTER OF THE CEILING TILES.
4. THE SHOP DRAWINGS SHALL BE ON A (MINIMUM) SCALE OF 1/8 "=1'-0". BUILDING SECTIONS, RISER DETAILS AND OTHER DETAILS SHALL BE ON AT (MINIMUM) SCALE OF 1/2"=1'-0". THESE DRAWINGS SHALL BE SUBMITTRD TO THE ARCHITECT AND PROJECT ENGINEER FOR THEIR REVIEW AND COMMENTS PRIOR TO ORDERING, PURCHASING, FABRICATING, AND OR INSTALLING ANY FIRE PROTECTION EQUIPMENT. SHOP DRAWINGS SHALL ALSO BE SUBMITTED TO THE LOCAL AND STATE AUTHORITYS HAVING JURISDICTION AND THE OWNERS INSURANCE UNDERWRITER FOR THEIR REVIEW AND APPROVAL PRIOR TO ORDERING, PURCHASING, FABRICATING, AND OR INSTALLING ANY FIRE PROTECTION EQUIPMENT. THE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE STAMPED BY THE SPRINKLER CONTRACTORS CERTIFICATE HOLDER, OR ENGINEER PRIOR TO SUBMITTAL.
5. THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL FIRE PROTECTRION EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREON.
6. THE SPRINKLER SYSTEM SHALL BE DESIGNED WITH A 10 PSI SAFETY MARGIN.
7. THE SPRINKLER PROTECTION FOR THE BUILDING SHALL BE DESIGNED PER NFPA 13 FOR A LIGHT HAZARD OCCUPANCY OCCUPANCY (.10 GPM/1500 SQ. FT.). ALL SPRINKLERS SHALL BE QUICK RESPONSE. THE HYDRAULIC CALCULATIONS SHALL BE PREPARED USING THE AREA DENSITY METHOD, THE HYDRAULICALLY MOST REMOTE AREA MAY BE REDUCED BELOW 1500 SQ. FT. FOR THE USE OF QUICK RESPONSE SPRINKLERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SPRINKLER SYSTEM DESIGN LAY-OUT AND HYDRAULIC CALCULATIONS. IF HIS DESIGN LAY-OUT CAUSES CONFLICTS WITH OTHER TRADES IT SHALL BE REVISED TO ELEMINATE THE CONFLICTS. GRIDDED SYSTEMS SHALL NOT TO BE USED. THE MINIMUM PIPE SIZE SHALL BE 1-1/4", EXCEPT FOR PIPES SUPPLYING ONLY ONE SPRINKLER HEAD. THIS PIPE CAN BE 1".
8. A HOSE STREAM ALLOWANCE OF 100 GPM WILL BE INSLUDED IN ALL HYDRAULIC CALCULATIONS.
9. PIPE SLEEVES SHALL BE SET FOR CONCRETE FLOORS AND FIRE WALLS PRIOR TO BEING THEM BEING POURED OR CONSTRUCTED.
10. ALL HOLES THROUGH FIRE WALLS SHALL BE CAULKED WITH SUITABLE MATERIALS APPROVED FOR THAT PURPOSE.
11. ALL FIRE PROTECTION EQUIPMENT SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND NFPA.
12. ALL CONTROL VALVES SHALL HAVE A TAMPER SWTICH SUPPLIED AND INSTALLED BY THE SPRINKLER CONTRACTOR. WIRING OF THE SWITCHES WILL BE BY THE ELECTRICAL CONTRACTOR.
13. ALL SPRINKLER PIPING SHALL BE INSTALLED ABOVE THE CEILINGS WHERE POSSIBLE.
14. WHERE THE REQUIREMENTS OF OWNERS AND THE OWNERS INSURANCE UNDERWRITERS AND THESE DOCUMENTS EXCEED THOSE OF THE NATIONAL FIRE CODES AND THE BUILDING CODE THEY SHALL PREVAIL.
15. 1" THROUGH 2" PIPE SHALL BE BE SCHEDULE 40. 2-1/2" AND LARGER PIPE MAY BE SCHEDULE 10 OR SCHEDULE 7. THREADABLE LITE WALL PIPE SHALL "NOT" BE USED.
16. SPRINKLERS HEADS SHALL BE:
    - A. CONCEALED WHITE PENDENT IN AREAS WITH CEILINGS.
    - B. EXTENDED COVERAGE SPRINKLERS MAY ONLY BE USED IN FINISHED AREAS.
17. A PROPERLY COMPLETED CONTRACTORS MATERIAL AND TEST CERTIFICATE SHALL BE PROVIDED FOR THE UNDERGROUND PIPE PRIOR TO CONNECTING TO THE INSIDE PORTION OF THE SYSTEM.
18. A PROPERLY COMPLETED CONTRACTORS MATERIAL AND TEST CERTIFICATE SHALL BE PROVIDED FOR THE INSIDE PORTION OF THE SYSTEM.
19. THE SPRINKLER SYSTEMS SHALL BE HUNG, SUPPORTED, IN ACCORDANCE WITH NFPA #13. HANGER LOCATIONS SHALL BE SHOWN ON THE SUBMITTAL DRAWINGS AT THE LOCATIONS THEY ARE REQUIRED TO BE PER NFPA 13.
20. THE FIRE DEPARTMENT CONNECTION MAY BE TIED INTO A SYSTEM CROSS OR FEED MAIN WITH A PIPE SIZE EQUAL TO OR GREATER THAN THE SIZE OF THE HYDRAULICALLY CALCULATED SPRINKLER SYSTEM RISER. THE SIZE OF THE PIPE FROM THE CONNECTION TO THE SPRINKLER SYSTEM TO THE ACTUAL FIRE DEPARTMENT CONNECTION SHALL BE 4".

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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
NOTES, & DETAILS - FIRE PROTECTION

DRAWN BY: MJL
CHECKED BY: JTS
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: FP0.1

HVAC GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL LOCAL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES, SMACNA STANDARDS, AND ASHRAE GUIDELINES.

2. THE WORK SHALL CONSIST OF ALL LABOR AND MATERIAL TO COMPLETELY INSTALL ALL WORKS AS SHOWN ON THESE DRAWINGS.

3. COORDINATE LOCATION OF DUCTWORK AND DIFFUSERS WITH LIGHT FIXTURES WITH ELECTRICAL CONTRACTOR. RELOCATE DUCTWORK, IF NECESSARY, AS DIRECTED BY THE ARCHITECT/ENGINEER.

4. ALL WORK ASSOCIATED WITH THE SCOPE OF THIS PROJECT INCLUDING EQUIPMENT, ACCESSORIES, DEVICES, SYSTEMS, ETC. SHALL BE COVERED BY A ONE YEAR GUARANTEE WHICH SHALL START AT THE TIME OF FINAL ACCEPTANCE BY THE OWNER. ANY DEFECTS IN PRODUCTS, INSTALLATION, WORKMANSHIP SHALL BE CORRECTED AT NO ADDITIONAL CHARGE AND SHALL INCLUDE ANY NECESSARY REPAIRS TO WALLS, FLOORS, MILLWORK, ETC. WHICH SHALL BE REPAIRED BACK TO NEW AND FINISHED CONDITION.

5. THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF THIS WORK THE CONTRACTOR SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.

6. THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW THE EXACT ROUTING OR DETAILED FITTINGS. ALL WORK SHALL BE INSTALLED AS A COMPLETE SYSTEM WITH NECESSARY COMPONENTS, FITTINGS, STRAPS, ETC. ALL DAMPERS AND VALVES SHALL BE INSTALLED SO THAT THEY ARE ACCESSIBLE.

7. REFER TO THE ENTIRE CONTRACTED DRAWING SET AND SPECIFICATIONS FOR GUIDANCE ON DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES, STRUCTURAL DETAILS, LOCATIONS OF DUCTWORK, PIPING AND STRUCTURAL MEMBERS. INSTALL THE MECHANICAL SYSTEMS SO AS NOT TO INTERFERE WITH THE INSTALLATION OR FUNCTION OF ANOTHER DISCIPLINES WORK.

8. ALL DIMENSIONS OF EXISTING CONSTRUCTION ARE APPROXIMATE. THE CONTRACTORS SHALL MAKE ALL NECESSARY FIELD MEASUREMENTS OF EXISTING STRUCTURES AND EQUIPMENT TO VERIFY DIMENSIONS SHOWN ON THE DRAWINGS. PROVIDE PROPER DIMENSIONS NOT SHOWN PRIOR TO EQUIPMENT FABRICATION. ALL COST FOR MODIFICATIONS OF NEW CONSTRUCTION DUE TO LACK OF CONFIRMATION OF DIMENSIONS BY FIELD MEASUREMENT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

9. THE CONTRACTOR SHALL INSTALL ALL WORK IN A NEAT AND WORKMANLIKE MANNER AND ACCORDING TO GENERALLY ACCEPTED PRACTICES OF FIRST CLASS WORKMANSHIP.

10. THERMOSTATS AND SENSORS SHALL BE LOCATED IN EACH ZONE AS INDICATED ON PLAN.

11. PROVIDE A COMPLETE TEST AND BALANCE OF THE SYSTEM THAT SERVES THIS SPACE. EVERY SUPPLY DIFFUSER AND OUTSIDE AIR CONNECTION MUST BE TESTED AND BALANCED TO WITHIN 10% OF AIR QUANTITIES SHOWN. THE TEST AND BALANCE MUST BE PERFORMED BY AN AABC OR NEBB CERTIFIED TEST AND BALANCE CONTRACTOR THAT SHALL BE A DIFFERENT COMPANY THAN THE MECHANICAL CONTRACTOR. FINAL DIFFUSER READINGS THAT DIFFER FROM THE DRAWINGS BY MORE THAN 10% SHALL BE NOTED IN THE REPORT. THE REPORT MUST INCLUDE A DIFFUSER LAYOUT (DRAWN) WITH TAGS THAT MATCH THE INITIAL AND FINAL READINGS OF ALL THE DIFFUSER, AND BE INCLUDED WITH THE REPORT.

12. ATTENTION IS DRAWN TO THE FACT THAT THIS IS AN EXISTING FACILITY AND NOT ALL EXISTING DUCT, PIPING, AND EQUIPMENT SHOWN ON THESE DRAWINGS WAS FIELD VERIFIED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND VERIFY EXISTING CONDITIONS, DEMOLITION, AND NEW WORK PRIOR TO EQUIPMENT AND MATERIALS PURCHASE AND/OR FABRICATION.

13. HVAC SYSTEM SHALL NOT BE RUN DURING CONSTRUCTION. OPEN DUCTWORK SHALL BE PROTECTED FROM CONSTRUCTION DUST DURING CONSTRUCTION.

14. NOTE THAT THE AREA OF WORK IS CLOSE PROXIMITY TO AN OCCUPIED SPACE. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING EXISTING AREA FROM DAMAGE DUE TO CONSTRUCTION. THE CONTRACTOR WILL COORDINATE HOURS OF WORK WITH UNIVERSITY PROJECT MANAGER AND TENANTS.

15. ALL NEW SUPPLY DUCTWORK SHALL BE SHEET METAL AND HAVE EXTERNALLY WRAPPED 2" INSULATION.

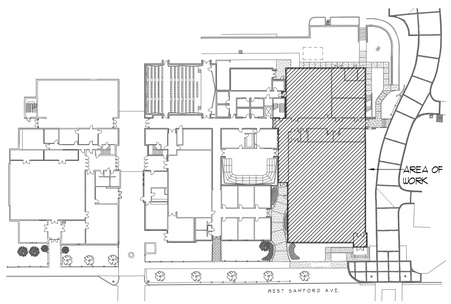
DESIGN CONDITIONS

LOCATION	AUBURN, AL
COOLING - SUMMER DESIGN	
OUTDOOR DESIGN DB / WB	94°F / 76°F
LIGHTING LOAD ALLOWANCE	1.2 W/SF
EQUIPMENT LOAD ALLOWANCE	2 W/SF
INDOOR DESIGN DB / RH	75°F / 50%
GLASS SHADING COEFFICIENT	0.28
GLASS SUMMER U-VALUE	0.57
WALL U-VALUE	13
ROOF U-VALUE	21
HEATING - WINTER DESIGN	
OUTDOOR DESIGN DB	23°F
INDOOR DESIGN DB	70°F
GLASS WINTER U-VALUE	0.57
WALL U-VALUE	13
ROOF U-VALUE	21

OUTSIDE AIR CALCULATION TABLE

ZONE	OCCUPANCY CATEGORY	ZONE FLOOR AREA (Az)	PEOPLE DENSITY (#/1000 S.F.)	ZONE POPULATION (Pz)	PEOPLE OA RATE (Rp) (CFM/PER)	AREA OA RATE (Ra) (CFM/S.F.)	BREATHING ZONE OA FLOW (Vbz)	AIR DISTRIBUTION EFF (Ez)	ZONE OA FLOW (Voz)	OA CFM REQUIRED	OA CFM SUPPLIED
001 - VESTIBULE	MAIN ENTRY LOBBY	548	10	5	5	0.06	60	0.8	75	75	75
008 - STORAGE	STORAGE ROOM	1,979	0	0	0	0.12	237	0.8	297	535	540
009 - STORAGE	STORAGE ROOM	1,587	0	0	0	0.12	190	0.8	238		
100 - REHEARSAL HALL	MUSIC/THEATER/DANCE	6,216	35	218	10	0.06	2549	0.8	3186	3424	3450
101 - STORAGE	STORAGE ROOM	1,227	0	0	0	0.12	147	0.8	184		
102 - STORAGE	STORAGE ROOM	361	0	0	0	0.12	43	0.8	54		
ALTERNATE #3											
N.W. OFFICE	OFFICE	149	5	1	5	0.06	14	0.8	18	70	75
N.E. OFFICE	OFFICE	133	5	1	5	0.06	13	0.8	17		
S.E. OFFICE	OFFICE	138	5	1	5	0.06	13	0.8	17		
S.W. OFFICE	OFFICE	155	5	1	5	0.06	14	0.8	18		

OUTSIDE AIR PROVIDED IN ACCORDANCE WITH IMC 2015 SECTION 403.3



1 KEY PLAN
NOT TO SCALE

NORTH

LEGEND - HVAC

ABBR	SYMBOL	DESCRIPTION
ACC		AIR COOLED CONDENSER
A/C		ABOVE CEILING
AD		ACCESS DOOR
ADJ		ADJUSTABLE
AFF		ABOVE FINISHED FLOOR
AHU		AIR HANDLING UNIT
AUTO		AUTOMATIC
BAL		BALANCING
BBH		BASE BOARD HEAT
BCO		BASE CLEANOUT
BDD		BACKDRAFT DAMPER
B'FLY		BUTTERFLY
B/F		BELOW FLOOR
B/G		BELOW GRADE
BH		BASIN HEATER
BHP		BRAKE HORSEPOWER
B		BOILER
BP		BOILER PUMP
	TYPE-CFM	CEILING SUPPLY AIR DIFFUSER
	TYPE	CEILING RETURN AIR REGISTER / GRILLE OR EXHAUST REGISTER / GRILLE
CFM		CUBIC FEET PER MINUTE
CH		CHILLER
CHWP		CHILLED WATER PUMP
CHWR		CHILLED WATER RETURN
CHWS		CHILLED WATER SUPPLY
CON		CONCENTRIC
		CONNECT TO EXISTING
CRAC		CRU COMPUTER ROOM UNIT (Indoor)
CT		COOLING TOWER
CTF		COOLING TOWER FILTER
CTFR		COOLING TOWER FILTER RETURN
CTFS		COOLING TOWER FILTER SUPPLY
CU		CONDENSING UNIT
CWF		CONDENSER WATER FILTER
CWP		CONDENSER WATER PUMP
CWR		CONDENSER WATER RETURN
CWS		CONDENSER WATER SUPPLY
		CONTROL WIRING
dB		DECIBELS
		DIRECTION OF AIRFLOW
DB		DRY BULB
DN		DOWN
DR		DRAIN
DSS		DUCTLESS SPLIT SYSTEM
DWG		DRAWING
		DUCT SIZE TRANSITION - SINGLE LINE DUCT
		DUCTWORK - NEW
		DUCTWORK - EXISTING OR DIFFUSER TO REMAIN
		DUCT - SUPPLY OR OUTSIDE AIR UP
		DUCT - RETURN OR EXHAUST UP
		DUCT - SUPPLY OR OUTSIDE AIR DOWN
		DUCT - RETURN OR EXHAUST DOWN
		DUCT TRANSITION - SQUARE-TO-ROUND (OR OVAL)
	DD	DUCT MOUNTED SMOKE DETECTOR (WIRED BY DIV. 16)
EA		EACH
EAT		ENTERING AIR TEMPERATURE
ECC		ECCENTRIC
ECH		ELECTRIC CEILING HEATER
EDH		ELECTRIC DUCT HEATER
EF		EXHAUST FAN
EFF		EFFICIENCY
ESP		EXTERNAL STATIC PRESSURE
(E)		EXISTING
ET		EXPANSION TANK
EUH		ELECTRIC UNIT HEATER
EWH		ELECTRIC WALL HEATER
EWT		ENTERING WATER TEMPERATURE
EXH		EXHAUST
°F		FAHRENHEIT
FCU		FAN COIL UNIT
F	F	FIRE DAMPER
FLR		FLOOR
F.O.		FLAT OVAL DUCT
FOB		FLAT ON BOTTOM

LEGEND - HVAC

ABBR	SYMBOL	DESCRIPTION
FOT		FLAT ON TOP
FPM		FEET PER MINUTE
FPS		FEET PER SECOND
FS	FS	FIRE AND SMOKE DAMPER
FT		FEET
GA		GAUGE
GPM		GALLONS PER MINUTE
HPU		HEAT PUMP
HP		HORSEPOWER
HTG		HEATING
HX		HEAT EXCHANGER
Hz		HERTZ
	H	HUMIDITY SENSOR
ID		INSIDE DIMENSION
IN		INCHES
KW		KILOWATTS
KVA		KILO VOLT AMPS
LAT		LEAVING AIR TEMPERATURE
LB		POUNDS
		LIMITS OF DEMOLITION
		LINEAR SLOT DIFFUSER
LWP		LOOP WATER PUMP
LWR		LOOP WATER RETURN
LWS		LOOP WATER SUPPLY
MAX		MAXIMUM
MD		MANUAL DAMPER
MFR		MANUFACTURER
MIN		MINIMUM
MOD		MOTOR OPERATED DAMPER
MVD	J	MANUAL VOLUME DAMPER
NC		NORMALLY CLOSED
NO		NORMALLY OPENED
NOM		NOMINAL
OA		OUTSIDE AIR
OBD		OPPOSED BLADE DAMPER
OD		OUTSIDE DIMENSION
PIU		POWERED INDUCTION UNIT
PRV		PRESSURE REDUCING VALVE
PSI		POUNDS PER SQUARE INCH
PTAC		PACKAGED TERMINAL AIR CONDITIONER
R	R	RELOCATE
RA		RETURN AIR
RAG		RETURN AIR GRILLE
RAT		RETURN AIR TRANSFER
RED		REDUCER
RL		REFRIGERANT LIQUID
RS		REFRIGERANT SUCTION
	R	REFRIGERANT SUCTION AND DISCHARGE TUBING. (ROUTED TOGETHER)
RTU		ROOFTOP UNIT
SA		SUPPLY AIR
SCU		SELF CONTAINED UNIT
SD		SMOKE DAMPER
SEN		SENSIBLE
SF	#	SQUARE FEET
SF		SUPPLY FAN
SP		STATIC PRESSURE
SPS		STATIC PRESSURE SENSOR
SQ		SQUARE
SR		SUPPLY REGISTER
		SIDE-WALL OR DUCT MOUNTED RETURN OR EXHAUST AIR REGISTER / GRILLE
TEMP		TEMPERATURE
	CO2	CARBON DIOXIDE SENSOR
TG		TRANSFER GRILLE
TU		TERMINAL UNIT
	T	THERMOSTAT
TYP		TYPICAL
UNO		UNLESS NOTED OTHERWISE
VA		VALVE
VAV		VARIABLE AIR VOLUME
VTR		VENT THRU ROOF
WB		WET BULB
WC		WATER COLUMN
WSHP		WATER SOURCE HEAT PUMP
WT		WEIGHT

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No.	Revision	Date
-	-	-

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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
LEGEND & NOTES - MECHANICAL

DRAWN BY: MJL
CHECKED BY: JTS
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: M0.1

AIR HANDLER/BLOWER COIL UNIT SCHEDULE

TAG	FAN SECTION					COOLING COIL							HEATING COIL						MANUFACTURER & MODEL	NOTES
	SUPPLY AIR CFM	OUTSIDE AIR CFM (MIN/MAX)	EXT. STATIC PRESS.	SUPPLY FAN HP	VOLTAGE /PHASE	ENTERING AIR DB TEMP (°F)	ENTERING AIR WB TEMP (°F)	LEAVING AIR DB TEMP (°F)	ENTERING WATER TEMP (°F)	LEAVING WATER TEMP (°F)	WATER FLOW GPM	WATER PD FT H2O	ENTERING AIR DB TEMP (°F)	LEAVING AIR DB TEMP (°F)	ENTERING WATER TEMP (°F)	LEAVING WATER TEMP (°F)	WATER FLOW GPM	WATER PD FT H2O		
AHU-1	9,000	600/3450	1"	7-½	208/3	80	67	55	40	55	45	10	55	95	180	160	44	10	TRANE UCCA	①②③④⑤⑥⑦⑧⑨
BCU-8	2,400	615	½"	1-½	208/3	80	67	55	40	55	13.4	10	55	95	180	160	9.5	10	TRANE BCHD	②④⑦⑧
BCU-9	725	75	½"	1/3	208/3	80	67	55	40	55	6.4	10	55	95	180	160	3.6	10	TRANE BCHD	②⑦⑧

NOTES:
① UNIT HAS ECONOMIZER CONTROL SEQUENCE. LISTED OUTSIDE AIR DOES NOT REFLECT ECONOMIZER VALUES.
② TEMPERATURE AND HUMIDITY CONTROLS SHALL BE TIED INTO EXISTING BMS PER THE CONTROL NOTES.
③ MECHANICAL CONTRACTOR TO PROVIDE VARIABLE FREQ DRIVE. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT.
④ FURNISH AND INSTALL SMOKE DETECTORS IN RETURN DUCTS
⑤ PROVIDE SPRING ISOLATION FOR FAN/MOTOR ASSEMBLIES.
⑥ PROVIDE ACCESS DOORS WITH HANDLES ON ACCESS SIDES OF UNIT.
⑦ STATIC PRESSURE EXTERNAL TO THE UNIT DOES NOT INCLUDE COIL, CASING, FILTER OR HEATER LOSSES.
⑧ PROVIDE STAINLESS STEEL CONDENSATE DRAIN PAN.
⑨ USE CAMFIL FARR FILTERS

FAN SCHEDULE

TAG	CAPACITY (CFM)	SP (IN WG)	MOTOR HP	DRIVE	VOLT / ϕ	MAX FAN RPM	MAX SONES	TYPE OF FAN	BASIS OF DESIGN	REMARKS
EF-1	750	1/3	1/4	BELT	120/1	1210	5.3	INLINE EXHAUST FAN	GREENHECK: SQ	①②③④

① DISCONNECT AND STARTER BY ELECTRICAL CONTRACTOR ② FAN SHALL BE CONTROLLED BY BUILDING BMS SYSTEM. ③ PROVIDE WITH ROOF CAP FOR TERMINATION EQUAL TO GREENHECK GRSR
④ FANS SHALL BE INTERLOCKED TO RUN WITH LIGHTS.

DIFFUSER, REGISTER & GRILLE SCHEDULE

TAG	TYPE OF SERVICE	FLOW RANGE (CFM)	FACE SIZE	NECK SIZE	RUNOUT SIZE	# OF SLOTS	SLOT WIDTH	MAX ROOM NC	MAX SP (IN WG)	INTEGRAL DAMPER	BASIS OF DESIGN	NOTES
A	SA	SEE PLAN	24"x24"	SEE PLAN	①	N/A	N/A	35	Ø.10	Y	TITUS TMS	②
B	SA	280-340	14"x6"	14"x6"	①	N/A	N/A	35	Ø.10	Y	TITUS 30FL	②
C	SA	115-190	10"x6"	10"x6"	①	N/A	N/A	35	Ø.10	Y	TITUS 30FL	②
D	SA	240	48"L	SEE PLAN	①	2	3/4"	35	Ø.10	Y	TITUS ML	②

① RUNOUT SIZE SHALL BE EQUAL TO NECK SIZE UNLESS NOTED OTHERWISE ON DRAWINGS. ② FINISH FOR ALL DEVICES SHALL BE WHITE.

PUMP SCHEDULE

TAG	SERVICE	TYPE	LOCATION	HEAD (FEET)	GPM	MINIMUM EFFICIENCY	MOTOR			BASIS OF DESIGN	REMARKS
							HP	RPM	VOLT / ϕ		
CHWP-1	CHILLED WATER	BASE MOUNTED VERTICAL IN-LINE	MECH ROOM	84	520	79%	20	1,780	208/3	PACO: VL	①②③④⑤
CHWP-2	CHILLED WATER	BASE MOUNTED VERTICAL IN-LINE	MECH ROOM	84	520	79%	20	1,780	208/3	PACO: VL	①②③④⑤
HWP-1	HEATING HOT WATER	BASE MOUNTED VERTICAL IN-LINE	MECH ROOM	71	165	69%	7.5	1,775	208/3	PACO: VL	①②③④⑤
HWP-2	HEATING HOT WATER	BASE MOUNTED VERTICAL IN-LINE	MECH ROOM	71	165	69%	7.5	1,775	208/3	PACO: VL	①②③④⑤
HWP-3	HEATING HOT WATER	BASE MOUNTED VERTICAL IN-LINE	MECH ROOM	71	165	69%	7.5	1,775	208/3	PACO: VL	①②③④⑤

① PROVIDE WITH VARIABLE FREQUENCY DRIVE WITH BYPASS. ③ PROVIDE WITH PREMIUM EFFICIENCY INVERTER DUTY MOTORS. ⑤ PROVIDE HOUSEKEEPING PAD PER DETAIL
② PROVIDE 4" CONCRETE HOUSEKEEPING PAD ④ DISCONNECT PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.

HEAT EXCHANGER SCHEDULE

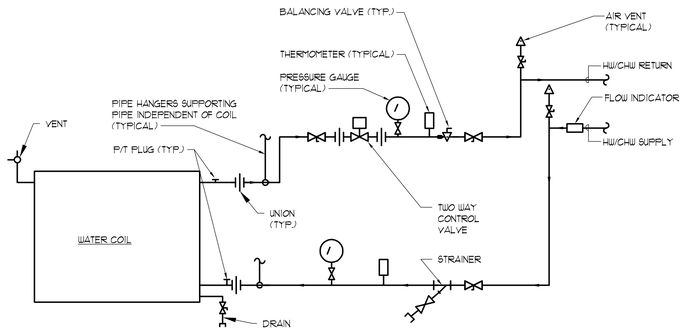
TAG	TYPE	CAMPUS SIDE			PRESSURE DROP PSIG	BUILDING SIDE			PRESSURE DROP PSIG	MANUFACTURER & MODEL
		GPM	ENT. WATER TEMP. °F	LVG. WATER TEMP °F		GPM	ENT. WATER TEMP °F	LVG. WATER TEMP °F		
HX-1	PLATE FRAME	110	225	165	2	330	160	180	10	ALFA LAVAL

NOTES: EQUAL BY APV, BELL & GOSSETT, MUELLER
PROVIDE 304 STAINLESS STEEL PLATES.

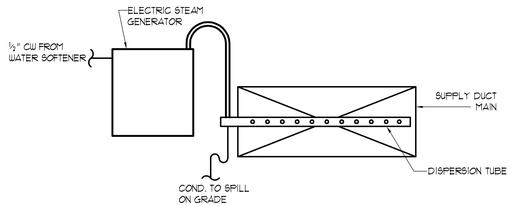
ELECTRIC STEAM HUMIDIFIER SCHEDULE

ID TAG	LOCATION	STEAM (LB/HR)	WATER USAGE (GPH)	COLD WATER SUPPLY	DRAIN SIZE	WEIGHT (LBS.)	ELECTRICAL DATA			BASIS OF DESIGN	NOTES
							VOLT/PH	MCA	MOCP		
HU-1	AHU-1	50	6	½"	½"	79	208/3	46	50	DRISTEEM XTP	①②
HU-2	BCU-2	18	1.4	½"	½"	46	208/3	17	25	DRISTEEM XTP	①②

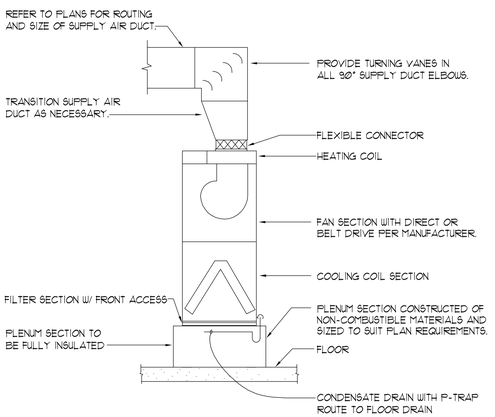
NOTES:
① OR APPROVED EQUAL ② PROVIDE COMPLETE WITH DISPERSION TUBE & VAPOR LOGIC CONTROLLER WITH INTERFACE TO BMS.



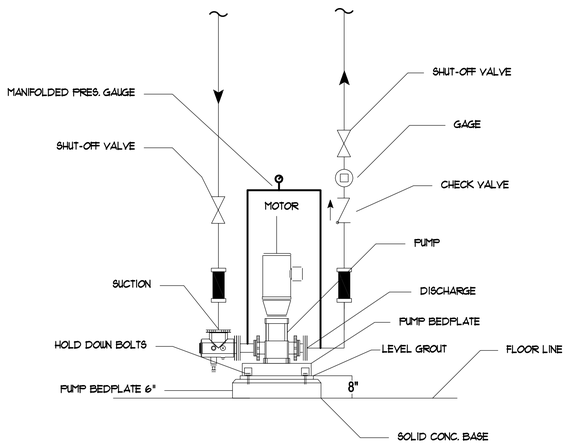
3 WATER COIL PIPING DETAIL
NOT TO SCALE



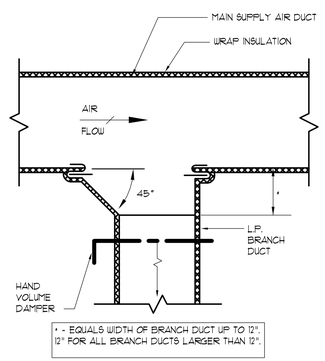
4 ELECTRIC STEAM HUMIDIFIER DETAIL
NOT TO SCALE



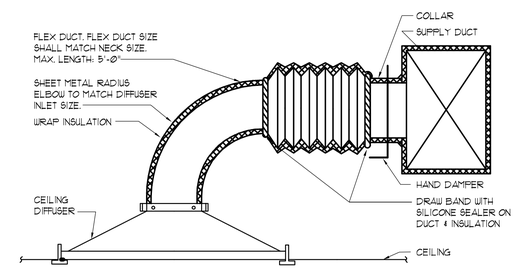
6 VERTICAL AIR HANDLING UNIT DETAIL
NOT TO SCALE



5 VERTICAL PUMP DETAIL
NOT TO SCALE



2 SUPPLY AIR BRANCH DUCT TAKE-OFF
NOT TO SCALE



1 TYPICAL DIFFUSER CONNECTION (SIDE OF DUCT)
NOT TO SCALE

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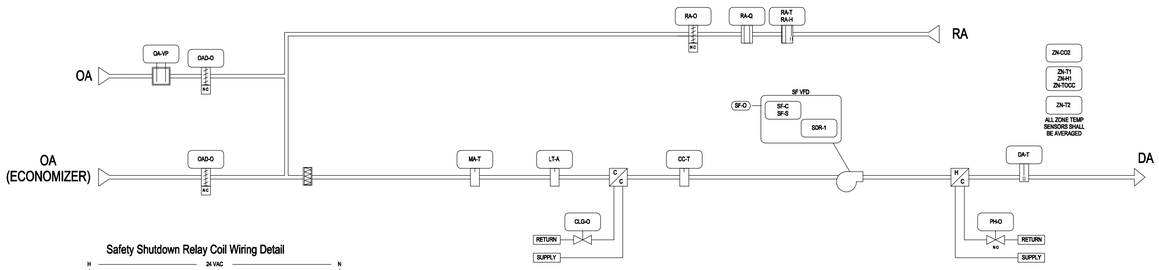
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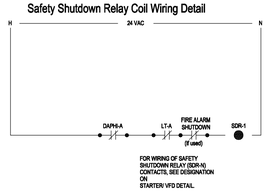
GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
SCHEDULES & DETAILS - MECHANICAL

DRAWN BY: MJL
CHECKED BY: JTS
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: M0.2



Safety Shutdown Relay Coil Wiring Detail



Type	Name	Description	Signal
AI	DA1-P	Discharge Air Static Pressure 1	4-20mA
AI	DA-T	Discharge Air Temperature	Nickel 1K RTD
AI	OA-VP	Outdoor Air Velocity Pressure	0-10VDC
AI	MA-T	Mixed Air Temperature	Nickel 1K RTD
AI	CC-T	Cooling Coil Temperature	Nickel 1K RTD
AI	RA-H	Return Air Humidity	0-10VDC
AI	RA-Q	Return Air Quality	0-10VDC
AI	RA-T	Return Air Temperature	Nickel 1K RTD
BI	LT-A	Low Temperature Alarm	Dry Contact Maintained
BI	SF-S	Supply Fan Status	Dry Contact Maintained
AO	CLG-O	Cooling Output	0-10VDC
AO	OAD-O	Outdoor Air Damper Output	0-10VDC
AO	PH-O	Preheat Output	0-10VDC
AO	RAD-O	Return Air Damper Output	0-10VDC
AO	SF-O	Supply Fan Output	0-10VDC
BO	SF-C	Supply Fan Command	24VAC Maintained

2 SINGLE ZONE AIR HANDLER CONTROLS

NOT TO SCALE

AHU SEQUENCE:

MODE OF OPERATION:
SYSTEM START UP / RUN CONDITIONS - SCHEDULED: THE SYSTEM SHALL BE AUTOMATICALLY STARTED AND STOPPED BY THE JCI CONTROLLER WHENEVER THE STARTER 'HAND-OFF-AUTOMATIC' SWITCH IS IN THE AUTOMATIC POSITION, AND MANUALLY STARTED AND STOPPED BY THE HAND POSITION. THE UNIT SHALL RUN BASED UPON AN OPERATOR ADJUSTABLE TIME SCHEDULE IN THE FOLLOWING MODES: IN OCCUPIED MODE, THE UNIT SHALL MAINTAIN 75°F (ADJ.) COOLING SETPOINT AND 68°F (ADJ.) HEATING SETPOINT. IN UNOCCUPIED MODE, THE UNIT SHALL MAINTAIN 82°F (ADJ.) COOLING SETPOINT AND 63°F (ADJ.) HEATING SETPOINT.

NIGHT SETBACK MODE OVERRIDE: A DROP IN SPACE TEMPERATURE BELOW NIGHT SETBACK SETPOINT OF 63°F (ADJUSTABLE) SHALL OVERRIDE THE SUPPLY FAN TIME SCHEDULE AND ALLOW THE SYSTEM TO OPERATE UNTIL SPACE TEMPERATURE RISES ABOVE NIGHT SETBACK SETPOINT. A RISE IN SPACE TEMPERATURE ABOVE NIGHT SETBACK SETPOINT OF 82°F (ADJUSTABLE) SHALL OVERRIDE THE SUPPLY FAN TIME SCHEDULE AND ALLOW THE SYSTEM TO OPERATE UNTIL SPACE TEMPERATURE DROPS BELOW NIGHT SETBACK SETPOINT. OUTSIDE AIR AND RELIEF DAMPERS SHALL REMAIN CLOSED IN NIGHT SETBACK MODE.

OPTIMAL START:
THE UNIT SHALL START PRIOR TO SCHEDULED OCCUPANCY BASED ON THE TIME NECESSARY FOR THE ZONE TO REACH IT'S OCCUPIED SETPOINT. THE START TIME SHALL AUTOMATICALLY ADJUST BASED ON CHANGES IN OUTSIDE AIR TEMPERATURE AND ZONE TEMPERATURE.

DAMPER POSITIONS:
PRIOR TO THE SUPPLY FAN STARTING, THE RETURN AIR DAMPER, AND ALL SMOKE AND COMBINATION FIRE SMOKE DAMPERS SHALL OPEN. THE OUTSIDE AIR DAMPER AND RELIEF DAMPER SHALL REMAIN CLOSED, ON POWER INTERRUPTION OR FAN SHUTDOWN, THE OUTSIDE AIR DAMPER AND, RELIEF DAMPER AND COOLING COIL SHALL CLOSE. ON ACTIVATION OF THE FIRE ALARM SYSTEM RELAY, THE SYSTEM SHALL SHUT DOWN.

UNIT SAFETY CONTROLS:
A LOW LIMIT SAFETY SENSING AIR ENTERING THE COOLING COIL, SET AT 40°F (ADJUSTABLE), SHALL STOP THE FAN, CLOSE THE OUTSIDE AIR DAMPERS, AND OPEN THE CHILLED WATER VALVE AND HOT WATER VALVE. A HIGH PRESSURE SAFETY SENSING DISCHARGE STATIC PRESSURE SET AT 80% OF THE DUCT PRESSURE RATING SHALL SHUTDOWN THE SYSTEM.

SUPPLY FAN CONTROL:
THE SUPPLY AIR FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES. TO PREVENT SHORT CYCLING, THE SUPPLY FAN SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUNTIME.

ZONE TEMPERATURE SHALL BE AVERAGED BETWEEN THE TWO ZONE TEMPERATURE SENSORS.

IN OCCUPIED MODE WHEN ZONE TEMPERATURE IS GREATER THAN ITS COOLING SETPOINT, THE SUPPLY FAN SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM COOLING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED. WHEN THE ZONE TEMPERATURE IS BETWEEN THE COOLING SETPOINT AND THE HEATING SETPOINT, THE SUPPLY FAN SHALL MAINTAIN THE MINIMUM OCCUPIED AIRFLOW. WHEN THE ZONE TEMPERATURE IS LESS THAN ITS HEATING SETPOINT, THE CONTROLLER SHALL ENABLE HEATING TO MAINTAIN THE ZONE TEMPERATURE AT ITS HEATING SETPOINT. ADDITIONALLY, THE SUPPLY FAN SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM HEATING AIRFLOW UNTIL THE ZONE IS SATISFIED. THE MINIMUM OCCUPIED AIRFLOW SHALL BE 40% OF DESIGN CFM (ADJ.).

WHEN THE ZONE IS UNOCCUPIED, THE SUPPLY FAN SHALL MAINTAIN THE MINIMUM UNOCCUPIED AIRFLOW (ADJ.) THEN THE ZONE TEMPERATURE IS GREATER THAN ITS UNOCCUPIED COOLING SETPOINT, THE SUPPLY FAN SHALL MODULATE BETWEEN THE MINIMUM UNOCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM COOLING COOLING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED. WHEN ZONE TEMPERATURE IS LESS THAN ITS UNOCCUPIED HEATING SETPOINT, THE CONTROLLER SHALL ENABLE HEATING TO MAINTAIN THE ZONE TEMPERATURE AT THE SETPOINT. ADDITIONALLY, THE SUPPLY FAN SHALL MODULATE BETWEEN THE MINIMUM UNOCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM HEATING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.

OUTSIDE AIR CONTROL:
IN NORMAL OPERATING MODE THE OUTSIDE AIR DAMPER SHALL OPEN TO DESIGN MINIMUM POSITION. THE CONTROLLER SHALL MODULATE THE OUTSIDE AIR DAMPER TO MAINTAIN THE DESIGN OUTSIDE AIRFLOW SETPOINT. DESIGN OUTSIDE AIRFLOW SHALL BE MEASURED BY THE AIRFLOW MEASUREMENT STATION. THE DESIGN OUTSIDE AIRFLOW SETPOINT SHALL BE RESET BETWEEN ITS HIGH AND LOW LIMITS (ADJ.) INCREMENTALLY TO MAINTAIN A MAXIMUM CARBON DIOXIDE CONCENTRATION OF 1000 PPM (ADJ.) IN THE SPACE.

ECONOMIZER MODE:
ENABLE/DISABLE: THE ECONOMIZER MODE SHALL BE ENABLED WHENEVER THE SUPPLY FAN IS ON AND THE OUTSIDE AIR ENTHALPY IS LESS THAN THE RETURN AIR ENTHALPY. ECONOMIZER OUTDOOR AIR DAMPER CONTROL: WHEN ECONOMIZER MODE IS ENABLED, THE CONTROLLER SHALL MODULATE THE ECONOMIZER OUTDOOR AIR DAMPER TO MAINTAIN MIXED AIR TEMPERATURE SETPOINT. MIXED AIR TEMPERATURE SETPOINT: THE CONTROLLER SHALL MONITOR COOLING COIL LEAVING AIR TEMPERATURE AND SET THE MIXED AIR TEMPERATURE SETPOINT EQUAL TO COOLING COIL LEAVING AIR TEMPERATURE.

COOLING COIL CONTROL:
THE COOLING COIL LEAVING AIR TEMPERATURE SETPOINT SHALL BE RESET INCREMENTALLY BETWEEN ITS MINIMUM AND MAXIMUM SETPOINTS (ADJ.) TO MAINTAIN A MAXIMUM RELATIVE HUMIDITY OF 50% (ADJ.) IN THE RETURN AIR AND ALL SPACES WITH HUMIDITY SENSORS. THE CONTROLLER SHALL MEASURE THE COOLING COIL LEAVING AIR TEMPERATURE AND MODULATE THE COOLING COIL VALVE TO MAINTAIN COOLING COIL LEAVING AIR TEMPERATURE SETPOINT. SA MINIMUM SETPOINT SHALL BE 50°F (ADJ). SA MAXIMUM SETPOINT SHALL BE 58°F (ADJ).

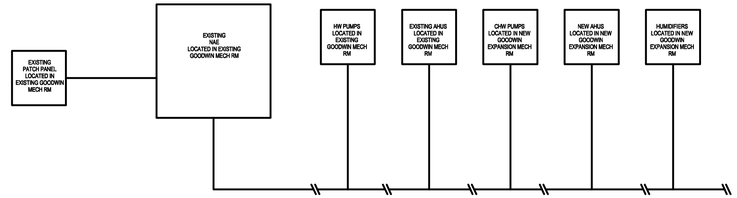
HEATING COIL CONTROL:
THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE HEATING COIL VALVE OPEN TO MAINTAIN ITS HEATING SETPOINT. THE CONTROLLER SHALL MEASURE THE DISCHARGE AIR TEMPERATURE AND LIMIT HEATING IF THE DISCHARGE AIR TEMPERATURE IS MORE THAN 22°F (ADJ.) ABOVE THE ZONE TEMPERATURE. DURING NORMAL HEATING MODE THE COOLING COIL SHALL BE LOCKED OUT TO PREVENT SIMULTANEOUS COOLING AND HEATING

DEHUMIDIFICATION:
ON A RISE IN THE RETURN AIR HUMIDITY (RA-H), THE SUPPLY FAN SHALL BE REDUCED TO MINIMUM OCCUPIED AIRFLOW AND THE COOLING COIL OUTPUT WILL BE OVERRIDDEN TO MAINTAIN THE RETURN AIR HUMIDITY BELOW THE RETURN AIR DEHUMIDIFICATION SETPOINT (DEHUM-SP). THE HEATING CONTROL WILL MAINTAIN DISCHARGE AIR TEMPERATURE OF 50°F.

HUMIDIFICATION:
ON A DROP IN THE RETURN AIR HUMIDITY (RA-H), THE HUMIDIFIER SHALL BE ENABLED TO MAINTAIN THE RETURN AIR HUMIDITY TO SETPOINT (HUMID-SP).

EXHAUST FANS SEQUENCE OF OPERATION

- TOILET EXHAUST FANS SHALL RUN WHEN BUILDING IS OCCUPIED.
- INTERLOCK BMS WITH LIGHTING OCCUPANCY SENSORS. PROVIDE CONTROL POINTS AS NECESSARY. COORDINATE WITH ELECTRICAL CONTRACTOR.
- BUILDING OCCUPANCY TO BE SCHEDULED. OCCUPANCY MODE SHALL BE OVERIDDEN WHEN UPON DETECTION FROM LIGHTING OCCUPANCY SENSORS.



1 METASYS NETWORK LAYOUT

NOT TO SCALE

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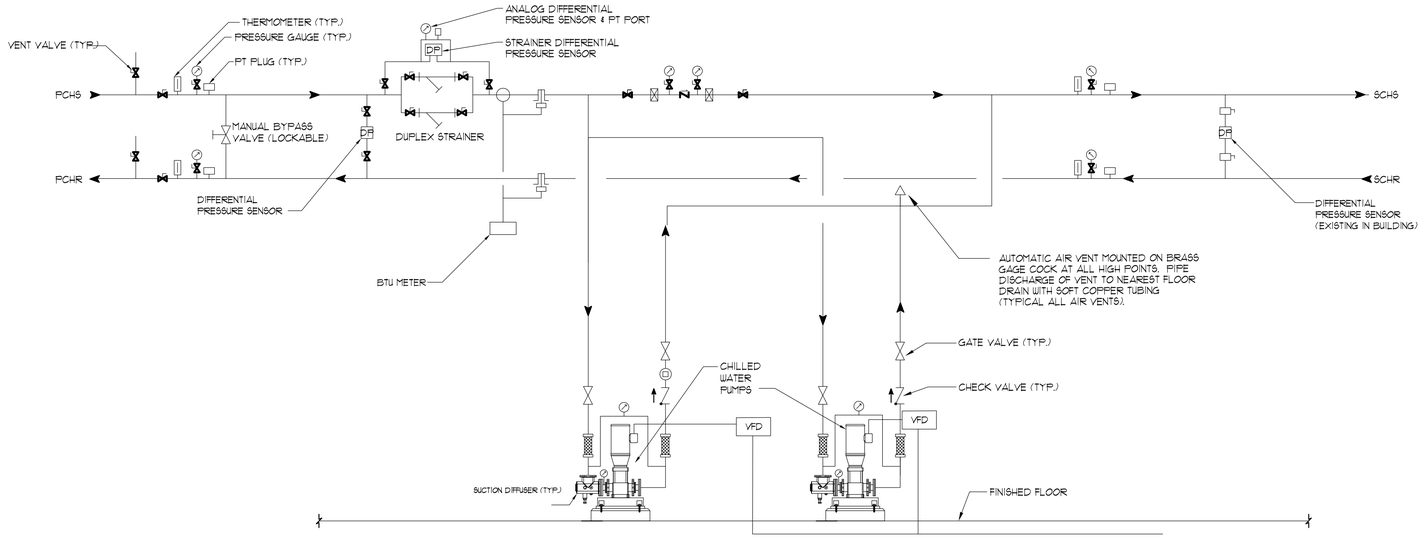
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NO. 26760
JOSEPH T SHAFFER
06/14/2017

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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

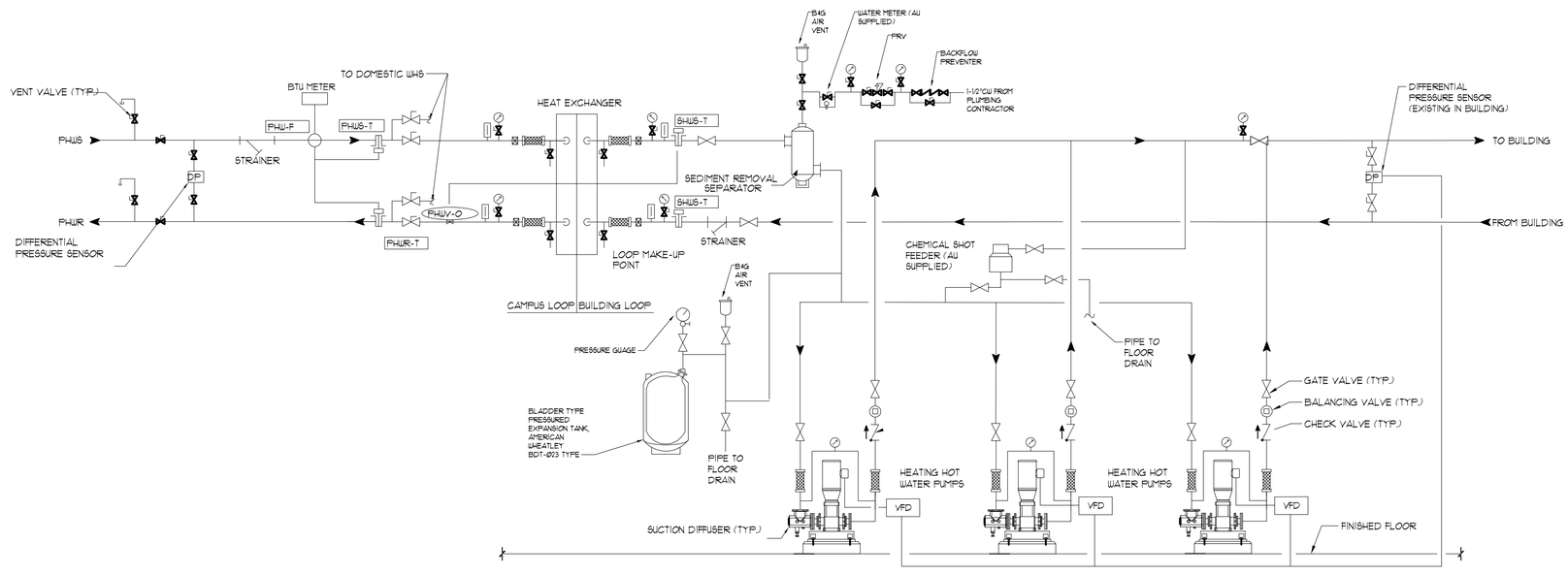
SHEET TITLE:
DETAILS & CONTROLS - MECHANICAL

DRAWN BY: MJL
CHECKED BY: JTS
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: M0.3



1 CHILLED WATER PIPING DIAGRAM

NOT TO SCALE



2 HEATING HOT WATER PIPING DIAGRAM

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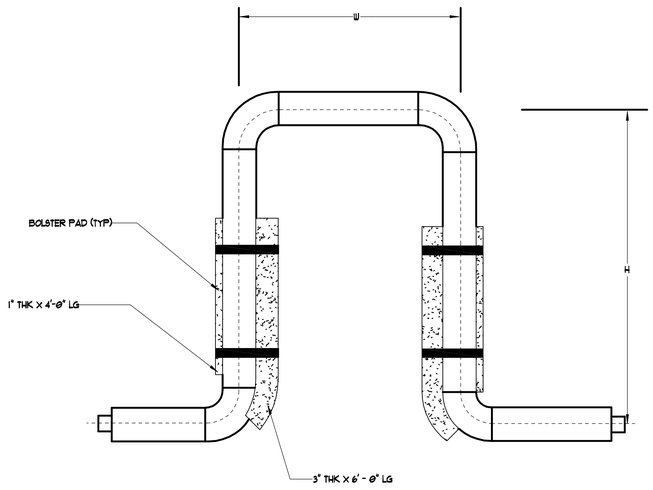
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SHEET TITLE:
PIPING DIAGRAMS - MECHANICAL

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DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: M0.4

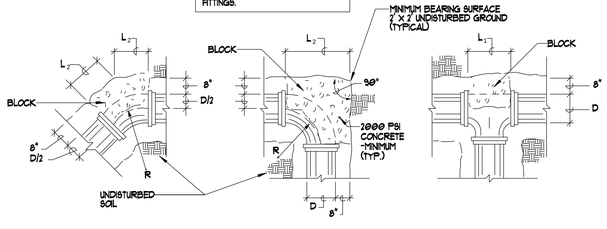


2 SITE PIPING EXPANSION LOOP DETAIL

NOT TO SCALE

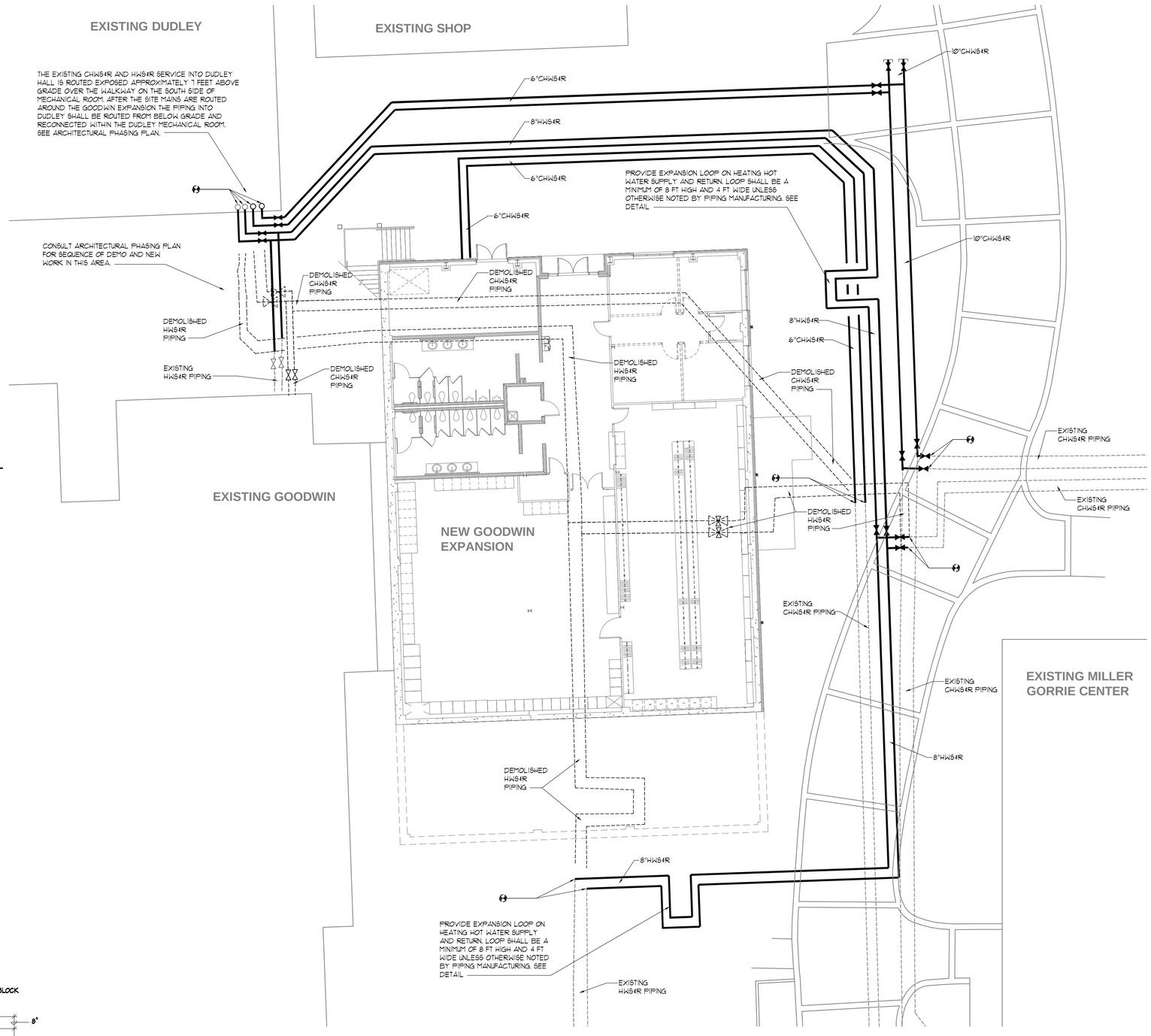
PIPE SIZE	"D"	"L 1"	"L 2"
4"	4.8"	9.6"	6.9"
6"	6.9"	13.8"	9.5"
8"	9.1"	18.1"	11.5"

NOTE
CONTRACTOR TO PROVIDE RETAINER GLANDS ON ALL FITTINGS.



3 THRUST BLOCK DETAIL

NOT TO SCALE



1 SITE PLAN - MECHANICAL

SCALE: 3/32" = 1'-0"

NORTH

MECHANICAL SITE PIPING GENERAL NOTES:

1. SEE M0.1-M0.4 FOR LEGEND, NOTES, SCHEDULES, & DETAILS.
2. DETAILS ARE APPLICABLE EVEN IF NOT DIRECTLY REFERENCED.
3. ALL PIPING SHOWN IS DIAGRAMMATIC. REFER TO THE CIVIL SITE UTILITY PLAN FOR EXACT ROUTING AND OFFSETS REQUIRED TO AVOID OBSTRUCTIONS.
4. REFER TO THE PHASING PLAN ON ARCHITECT'S SHEETS. ALL PHASING WORK SHALL BE COORDINATED WITH UNIVERSITY SCHEDULE.
5. TEMPORARY VALVES MAY BE REQUIRED AT POINTS OF CONNECTION FOR PHASING. SEE ARCHITECTURAL PHASING PLAN.

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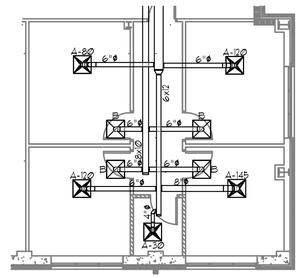
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SHEET TITLE:
SITE PLAN – MECHANICAL

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PROJECT NUMBER: 15-255
SHEET NUMBER: M1.0
XX of XX



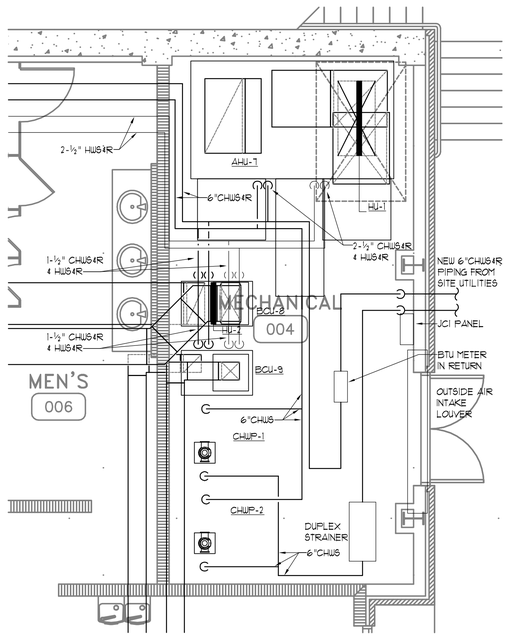
G G.8 H J

3 3.6 4

2 LOWER LEVEL FLOOR PLAN - MECHANICAL - ALTERNATE #3

SCALE: 1/8" = 1'-Ø"

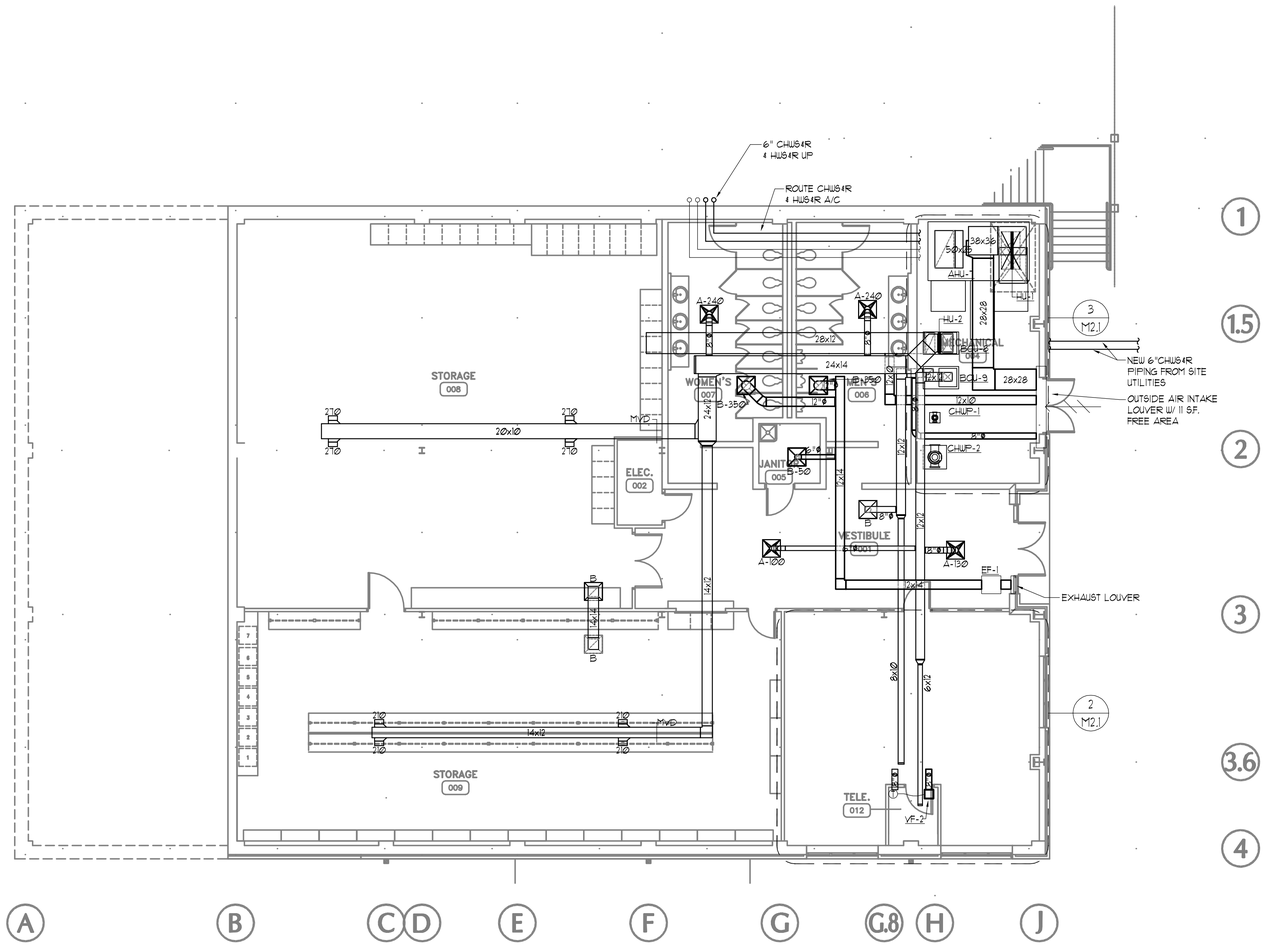
NORTH



3 ENLARGED PLAN - MECHANICAL ROOM

SCALE: 1/8" = 1'-Ø"

NORTH



A B C D E F G G.8 H J

1 2 1.5 3 3.6 4

1 LOWER LEVEL FLOOR PLAN - MECHANICAL

SCALE: 1/8" = 1'-Ø"

NORTH

MECHANICAL GENERAL NOTES:
1. SEE MØ1-MØ4 FOR LEGEND, NOTES, SCHEDULES, & DETAILS.
2. DETAILS ARE APPLICABLE EVEN IF NOT DIRECTLY REFERENCED.

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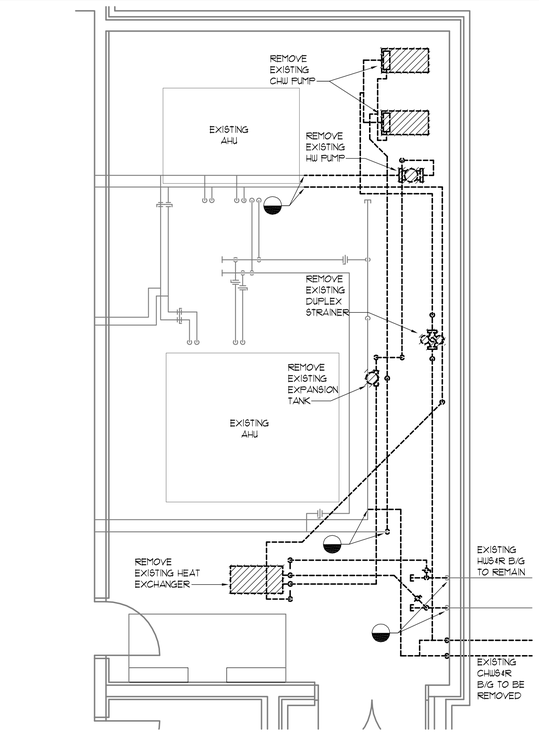
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SHEET TITLE:
LOWER LEVEL FLOOR PLANS - MECHANICAL

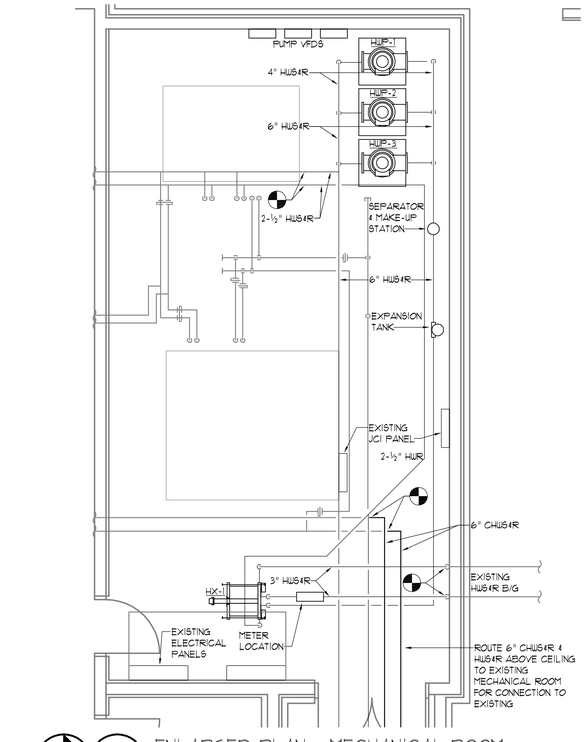
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DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: M2.1
XX of XX



2 ENLARGED DEMO PLAN - MECHANICAL ROOM

SCALE: 1/4" = 1'-0"

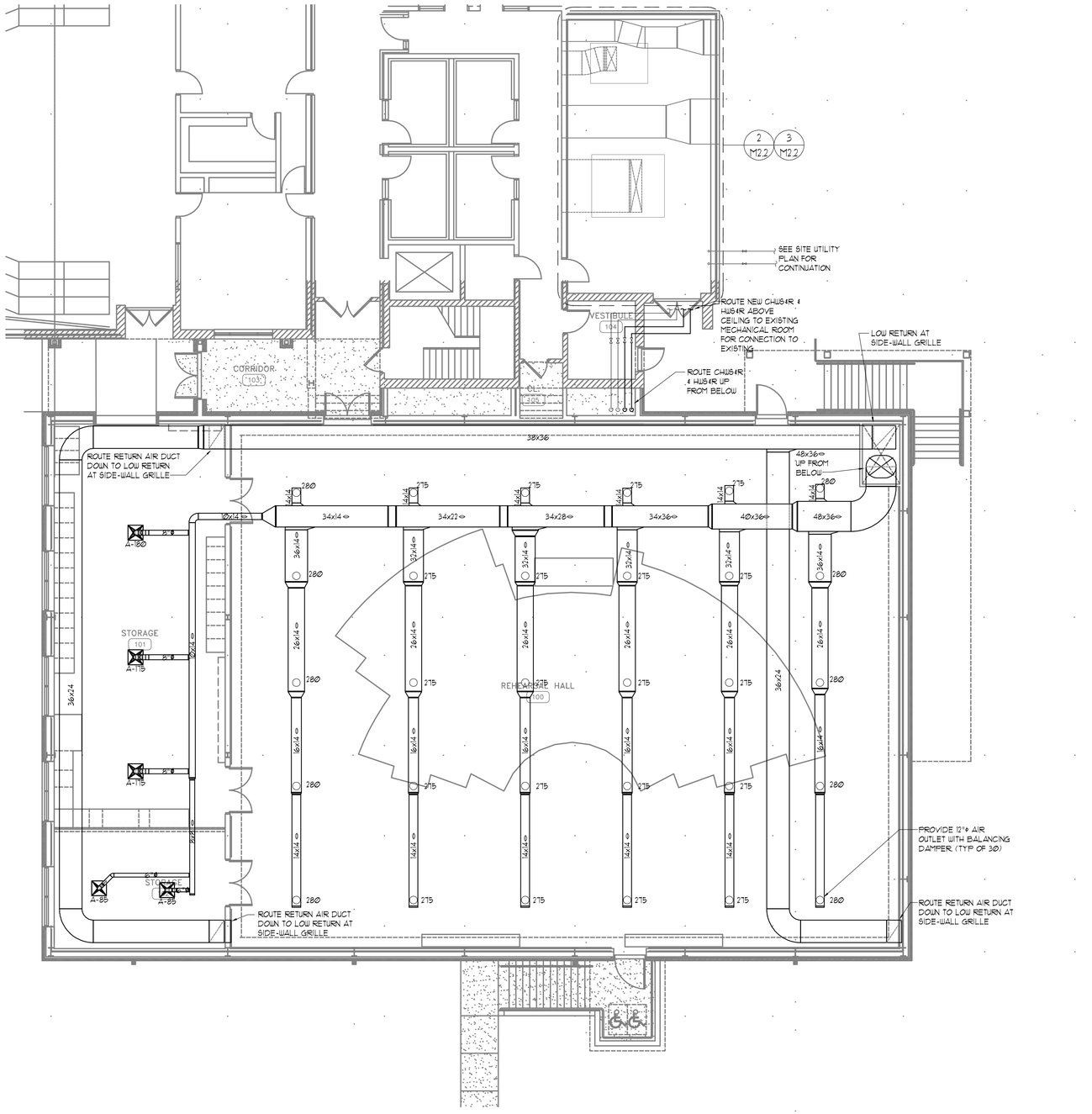
NORTH



3 ENLARGED PLAN - MECHANICAL ROOM

SCALE: 1/4" = 1'-0"

NORTH



A B C D E F G G.8 H J

1 UPPER LEVEL FLOOR PLAN - MECHANICAL

SCALE: 1/8" = 1'-0"

NORTH

MECHANICAL GENERAL NOTES:

1. SEE M0.1-M0.4 FOR LEGEND, NOTES, SCHEDULES, & DETAILS.
2. DETAILS ARE APPLICABLE EVEN IF NOT DIRECTLY REFERENCED.
3. ALL SUPPLY & RETURN DUCT LOCATED IN THE REHEARSAL ROOM SHALL BE INTERNALLY LINED FOR NOISE REDUCTION. SUPPLY DUCT SHALL BE DOUBLE WALL WITH PERFORATED INSIDE LAYER.

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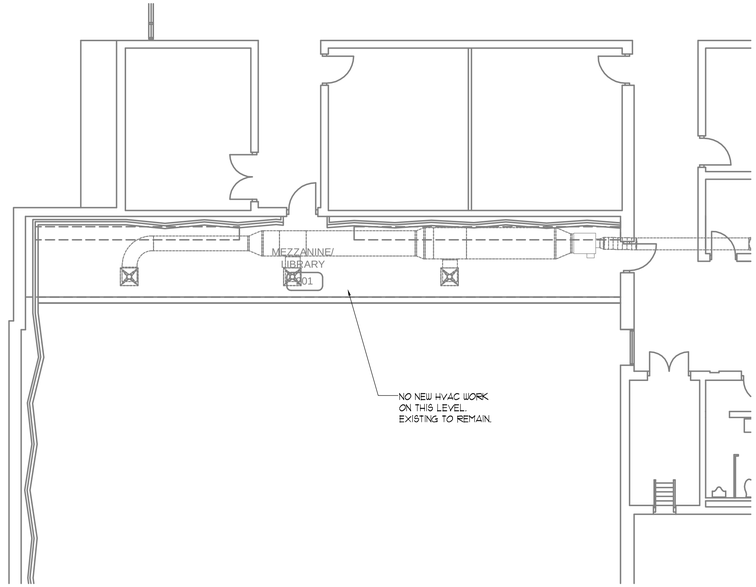
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SHEET TITLE:
UPPER LEVEL FLOOR PLANS - MECHANICAL

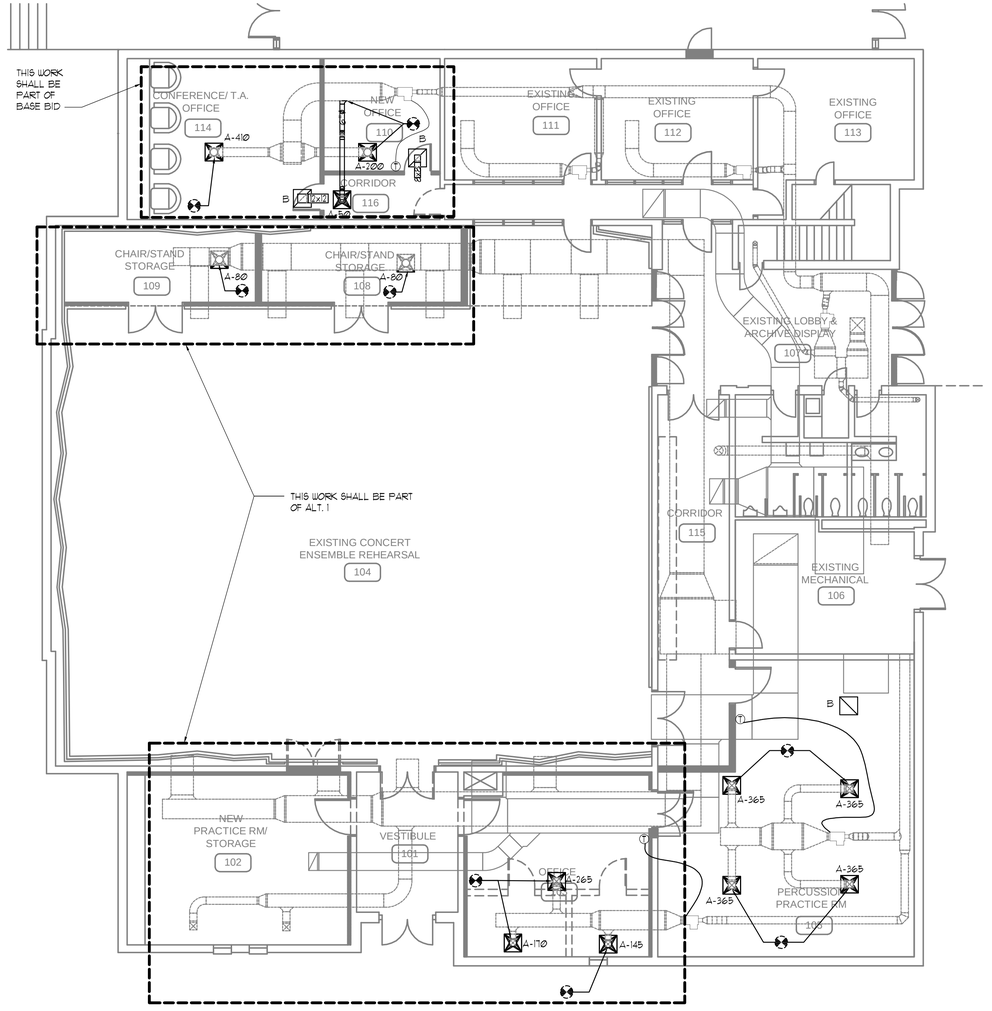
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DATE: 6-14-2017
FILE NUMBER: –
PROJECT NUMBER: 15-255
SHEET NUMBER: M2.2
XX of XX



3 UPPER LEVEL FLOOR PLAN - MECHANICAL

SCALE: 1/8" = 1'-0"

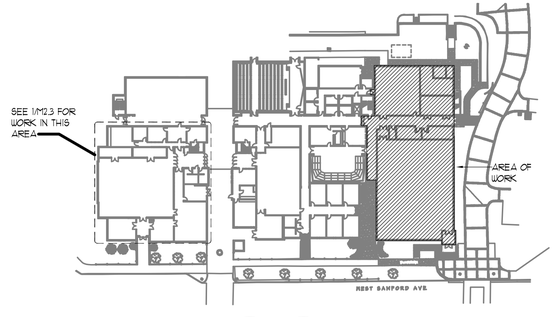
NORTH



1 LOWER LEVEL FLOOR PLAN PART B - MECHANICAL

SCALE: 1/8" = 1'-0"

NORTH



2 KEY PLAN

NOT TO SCALE

NORTH

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SHEET TITLE:
EXISTING GOODWIN
PART PLANS -
MECHANICAL

DRAWN BY: CEW
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DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: M2.3

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	INPUT WATTS	LAMPS	BALLAST	MANUFACTURER	NOTES
A	1'X4' PENDANT MOUNTED FIXTURE LED STRIP FIXTURE, 3000 LUMENS	UNV / 33 W	LED / 3500K	ELECTRONIC / 0-10V DIMMING	LITHONIA *ZLIN-L48-3000LM-MVOLT-35K-80CRI OR APPROVED EQUAL BY COOPER OR HUBBELL	-
AE	SAME AS TYPE "A" EXCEPT PROVIDED WITH EMERGENCY BATTERY PACK, MINIMUM 1100 LUMENS	-	-	-	-	-
B	2'X4' LINEAR RECESSED FIXTURE	UNV / 31 W	LED / 3500K	ELECTRONIC / 0-10V DIMMING	LITHONIA *2VTL4-30L-ADP-EZI-LP835 OR APPROVED EQUAL BY COOPER OR HUBBELL	-
BE	SAME AS TYPE "B" EXCEPT PROVIDED WITH EMERGENCY BATTERY PACK, MINIMUM 1100 LUMENS	-	-	-	-	-
C	6" PENDANT-MOUNTED CYLINDER DOWNLIGHT	UNV / 36.9 W	LED / 3500K	ELECTRONIC / 0-10V DIMMING	INDY *LC6IP-33LM-35K-MVOLT-X-G3-80CRI-ZT OR APPROVED EQUAL BY COOPER OR HUBBELL	-
CE	SAME AS TYPE "C" EXCEPT PROVIDED WITH EMERGENCY BATTERY PACK, MINIMUM 1100 LUMENS	-	-	-	-	-
CV	4' RECESSED COVE FIXTURE, 1800 LUMENS, COORDINATE TRIM/CEILING AND MOUNTING WITH ARCHITECT	UNV / 20 W	LED / 3500K	ELECTRONIC / 0-10V DIMMING	FLUXWERX *NTI-L-CEILING-B-A-35-EI-M-4 OR APPROVED EQUAL BY COOPER OR HUBBELL	-
D	6" RECESSED DOWNLIGHT, 2000 LUMENS, ROUND OPEN REFLECTOR, CLEAR, SPECULAR FINISH, WHITE PAINTED FLANGE	UNV / 23.2 W	LED / 3500K	ELECTRONIC / 0-10V DIMMING	GOTHAM *EVO-35/20-6AR-MUD-L8-MVOLT-EZ10 OR APPROVED EQUAL BY COOPER OR HUBBELL	-
DE	SAME AS TYPE "D" EXCEPT PROVIDED WITH EMERGENCY BATTERY PACK, MINIMUM 1100 LUMENS	-	-	-	-	-
W	EXTERIOR WALL-MOUNTED LED WALL PACK FIXTURE, PROVIDE WITH EMERGENCY BATTERY PACK, FINISH SELECTED BY ARCHITECT	UNV / 25 W	LED / 3000K	ELECTRONIC	LITHONIA *WST-LED-P2-30K-MVOLT-E7WH OR APPROVED EQUAL BY COOPER, HUBBELL, OR CREE	-
X	COMPACT, LOW-PROFILE EXIT SIGN, GREEN LETTERING ON WHITE BACKGROUND, FURNISH WITH EMERGENCY OPTION FOR MAINTENANCE-FREE NICKEL-CADMIUM BATTERY FOR 2-HOUR OPERATION WITH INTEGRAL TEST SWITCH AND AC-ON INDICATOR.	UNV	LED	ELECTRONIC	LITHONIA *LRP SERIES OR APPROVED EQUAL BY COOPER OR HUBBELL	-

LIGHTING FIXTURE SCHEDULE NOTES

1. SEE PLANS FOR FIXTURES BEING DIMMED. ALL DIMMING CONTROLS SHALL BE 0-10V. COORDINATE FIXTURE COMPATIBILITY WITH DIMMING CONTROLS.
2. CONFIRM VOLTAGE WITH DRAWINGS AND COORDINATE ALL MOUNTING HEIGHTS/FINISHES WITH ARCHITECT PRIOR TO ORDERING AND INSTALLATION.
3. PROVIDE MOUNTING OPTION(S) NECESSARY TO ACCOMMODATE CEILING TYPES SPECIFIED BY ARCHITECTURAL DOCUMENTS FOR RECESSED FIXTURES.
4. PROVIDE ALL HARDWARE AND ACCESSORIES TO INSTALL FIXTURES AS INDICATED IN FIXTURE DESCRIPTION.
5. MANUFACTURER PART NUMBERS MAY NOT NECESSARILY MATCH DESCRIPTION. OBTAIN CLARIFICATION IF A CONFLICT EXISTS BETWEEN DESCRIPTION AND MODEL NUMBER.
6. ALL LAMPS SHALL BE BY THE SAME MANUFACTURER. PROVIDE 5% (MINIMUM 10 LAMPS OF EACH TYPE) SPARE LAMP ATTIC STOCK FOR OWNER AT PROJECT COMPLETION.
7. MANUFACTURER LISTED AS AN "OR EQUAL" DOES NOT GUARANTEE APPROVAL. FIXTURE PERFORMANCE MUST MEET OR EXCEED SPECIFIED FIXTURE.
8. ALL FIXTURES NOT SPECIFICALLY LISTED BY MODEL NUMBER REQUIRE A PRIOR APPROVAL SUBMITTAL IN WRITING. NO VERBAL APPROVALS WILL BE ALLOWED.
9. FIXTURES FURNISHED BY INTERIOR DESIGNER AND SHIPPED TO SITE, TO BE RECEIVED, STORED, AND INSTALLED BY GC. GC SHALL SUPPLY ALL LAMPS AND ACCESSORIES.
10. FIXTURE ALLOWANCE IS FOR FIXTURE AND SHIPPING COST TO THE JOBSITE ONLY. GC SHALL INCLUDE COST TO RECEIVE, STORE AND INSTALL FIXTURE. GC SHALL SUPPLY ALL LAMPS AND ACCESSORIES.

LIGHTING CONTROL SYSTEM NOTES:

1. PROVIDE A COMPLETE LIGHTING CONTROL SYSTEM AND LIGHTING CONTROL PANEL BY WATTSTOPPER *LP8 (OR APPROVED EQUIVALENT BY LEVITON OR SQUARE D POWERLOGIC) WITH BMS INTERFACE MODULE. CONTROL PANEL PROTOCOL SHALL BE BACKNET MSTP OR BACKNET OVER IP TO INTERFACE WITH CAMPUS BUILDING AUTOMATION SYSTEM. CONTROL PANEL FEATURES INCLUDE BUT NOT EXCLUSIVE TO: OVERRIDE BUTTONS AND ALL ASSOCIATED CONTROL WIRING.
2. OVERRIDE SWITCH SHALL ALLOW AN OCCUPANT TO KEEP THE LIGHTS ON FOR AN ADDITIONAL 2-HOURS AND SHALL HAVE A PILOT LIGHT NEATLY LABELED DESCRIBING THE AREA IT CONTROLS.
3. COORDINATE TIME SETTINGS WITH THE OWNER.
4. PROVIDE CONTROL POWER AS REQUIRED.
5. ALL COMPONENTS SHALL BE FROM THE SAME MANUFACTURER.
6. OVERRIDE BUTTON SHALL OPERATE AS NOTED IN DOCUMENTS.

LIGHTING CONTROL PANEL SCHEDULE "LCP"

RELAY	DESCRIPTION OF LIGHTING TO BE CONTROLLED	CONTROL	CIRCUIT #	NOTES
1	EXTERIOR LIGHTING	PHOTOCELL ON/OFF	LP-ID-1	SEE SHEET E10 FOR PHOTOCELL LOCATION
2	LOWER LEVEL LIGHTING	TIME CONTROL ON/OFF	LP-ID-3	-
3	UPPER LEVEL LIGHTING	TIME CONTROL ON/OFF	LP-ID-9	-
4	SPARE	-	-	-
5	SPARE	-	-	-
6	SPARE	-	-	-
7	LOWER LEVEL OFFICE CONTROLLED RECEPTACLES	TIME CONTROL ON/OFF	LP-ID-39	PROVIDE UNDER ALTERNATE 3
8	LOWER LEVEL OFFICE CONTROLLED RECEPTACLES	TIME CONTROL ON/OFF	LP-ID-41	PROVIDE UNDER ALTERNATE 3

VOICE/DATA AND SECURITY NOTES

1. PROVIDE OUTLET BOX WITH 1" CONDUIT WITH PULL STRING (UNLESS NOTED OTHERWISE ON PLANS) TO 6" ABOVE ACCESSIBLE CEILING AND ROUTED TO NEAREST CORRIDOR CABLE TRAY, TELECOM HOOKS, OR TO THE TELECOM ROOM FOR ALL WALL MOUNTED VOICE/DATA AND SECURITY DEVICES.
2. CONDUITS ROUTED TO CABLE TRAY SHALL MAKE A MECHANICAL CONNECTION TO THE CABLE TRAY AT THE TOP RAIL WITH A NYLON BUSHING. GAPS AND SPACES ARE NOT PERMITTED BETWEEN CONDUIT AND CABLE TRAY.
3. CONDUITS ROUTED TO TELECOM HOOKS SHALL TERMINATE WITHIN 6" OF A CABLE HOOK IN THE ABOVE CEILING CORRIDOR.
4. PULL BOXES SHALL BE INSTALLED FOR EVERY 180 DEGREES OF BEND IN A CONDUIT. PULL BOXES SHALL BE INSTALLED ABOVE CORRIDORS WHERE CABLE TRAYS OR CABLE HOOKS ARE NOT USED.
5. WHERE IT IS NECESSARY TO AGGREGATE SEVERAL CONDUITS INTO A JUNCTION BOX, THE CONDUIT FROM THE JUNCTION BOX TO THE CABLE TRAY/HOOKS OR TELECOMMUNICATIONS ROOM SHALL BE SIZED ACCORDING TO THE NUMBER OF 1" CONDUITS BEING AGGREGATED IN ACCORDANCE WITH THE NEC CONDUIT FILL CAPACITY CHART.
6. PROVIDE POWER FOR SECURITY SYSTEM DEVICES AS REQUIRED.
7. CONTRACTOR SHALL COORDINATE ALL VOICE/DATA/IT CONDUIT AND CONNECTIONS WITH AUBURN UNIVERSITY OFFICE OF INFORMATION TECHNOLOGY (AU OIT) PRIOR TO ROUGH-IN.

FIRE ALARM NOTES:

1. ALL NEW FIRE ALARM DEVICES SHALL BE ADA APPROVED.
2. ALL FIRE ALARM DEVICES ARE TO BE CONNECTED TO THE BASE BUILDING FIRE ALARM SYSTEM BY A NICET LEVEL 3 LICENSED INSTALLER AS APPROVED BY THE UNIVERSITY.
3. ADDITIONS AND ALTERATIONS TO THE FIRE ALARM SYSTEM REQUIRE TESTING, A RECORD OF COMPLETION, AND RECERTIFICATION. ADDITIONALLY, THE WORK SHALL BE PERFORMED BY QUALIFIED PERSONNEL AS DEFINED IN NFPA 72 (2010), 10.4.2.
4. THE STATE OF ALABAMA CERTIFIED FIRE ALARM ACT REQUIRES THAT EVERY BUSINESS WHO INSTALLS FIRE ALARM SYSTEMS IN COMMERCIAL OCCUPANCIES MUST BE LICENSED AS A CERTIFIED FIRE ALARM CONTRACTOR. THE CONTRACTOR MUST HAVE A NICET LEVEL III TECHNICIAN IN A POSITION OF RESPONSIBILITY, AND THE LICENSE WILL BE ISSUED IN THE NAME OF THE CERTIFICATE HOLDER AND THE CONTRACTOR. THE CERTIFIED FIRE ALARM ACT ALSO REQUIRES THAT TECHNICIANS WORKING FOR THE CERTIFIED CONTRACTOR MUST HOLD A CURRENT NICET LEVEL II, OR EQUIVALENT, CERTIFICATION. THE FIRE ALARM SPECIFICATIONS SHALL REQUIRE CONTRACTORS WISHING TO BID ON FIRE ALARM WORK TO SHOW EVIDENCE AT THE PRE-BID CONFERENCE THAT HE/SHE MEETS THE CERTIFICATION REQUIREMENTS OF THE ACT AND HOLDS A PERMIT ISSUED BY THE STATE FIRE MARSHAL.
5. CONTRACTOR TO VERIFY EXISTING FIRE ALARM SYSTEM IS MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72.
6. REMOVE ALL FIRE ALARM SMOKE DETECTORS IN THE CONSTRUCTION AREA TO AVOID GETTING DUST OR DIRT IN THE SMOKE DETECTORS. DUCT MOUNTED SMOKE DETECTORS WILL SAMPLE DUST DURING THE CONSTRUCTION PROCESS. POWER DOWN AIR HANDLING UNITS UNTIL CONSTRUCTION IS COMPLETE.
7. SPEAKER: SPEAKER NOTIFICATION APPLIANCES SHALL BE LISTED TO UL 1480. THE SPEAKER SHALL OPERATE ON A STANDARD 25VRMS OR 70.7VRMS NAC USING TWISTED/SHIELDED WIRE. THE FOLLOWING TAPS ARE AVAILABLE: 0.25W, 0.50W, 1.0W AND 2.0W. AT THE 1.0W TAP, THE SPEAKER HAS MINIMUM UL RATED SOUND PRESSURE LEVEL OF 84DBA AT 10 FEET. THE SPEAKER SHALL HAVE A FREQUENCY RESPONSE OF 400 TO 4000 HZ FOR FIRE ALARM AND 125 TO 12KHZ FOR GENERAL SIGNALING.

PROJECT ALTERNATES NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAIL ON PROJECT ALTERNATES.
2. IN GENERAL, THE PROJECT ALTERNATES SHALL BE AS FOLLOWS:

- ALTERNATE 1: RENOVATION WORK IN EXISTING BUILDING.
- ALTERNATE 2: ADDITION OF ACOUSTICAL CURTAINS, INCLUDING ALL TRACK, MOTORS, CONTROLS, AND ACCESSORIES FOR A COMPLETE INSTALLATION.
- ALTERNATE 3: ADDITION OF LOWER LEVEL OFFICE SPACES.
- ALTERNATE 4: NOT APPLICABLE TO ELECTRICAL CONTRACTOR.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT ON CENTER (COORD. WITH ARCH.)
	FLUORESCENT LIGHT FIXTURE	
	EMERGENCY LIGHT FIXTURE	
	CEILING MOUNTED LIGHT FIXTURE	
	CEILING MOUNTED WALL WASH LIGHT FIXTURE	
	EXIT SIGN (PROVIDE FACES AND ARROWS AS SHOWN)	
	WALL MOUNTED EXIT SIGN (PROVIDE FACES AND ARROWS AS SHOWN)	
	CONDUIT RUN CONCEALED IN WALL OR CEILING	
	CONDUIT RUN CONCEALED IN THE FLOOR, UNDERGROUND, OR UNDER THE ELEVATED SLAB	
	CONDUIT RUN EXPOSED. ROUTE PARALLEL/PERPENDICULAR TO WALLS AND STRUCTURE.	
	CIRCUITS HOMERUN TO THE PANEL	
	NUMBER OF CONDUCTORS (GROUND NOT SHOWN)	
	FLEXIBLE CONDUIT OR CORD	
	PLYWOOD BACKBOARD	
	DUPLEX RECEPTACLE - WALL MOUNTED	18"
	CONTROLLED DUPLEX RECEPTACLE - WALL MOUNTED - HUBBELL *BR20C2GRY OR EQUAL	18"
or	ISOLATED GROUND DUPLEX RECEPTACLE - WALL MOUNTED	18"
or	GFCI DUPLEX RECEPTACLE - WALL MOUNTED	18"
	OUTLET ABOVE THE COUNTER	6" ABOVE COUNTER
	QUADRUPLEX RECEPTACLE - WALL MOUNTED	18"
	SPECIAL AMP/VOLT RECEPTACLE - WALL MOUNTED	18"
	VOICE AND DATA OUTLET - WALL MOUNTED	18"
	TELEVISION CABLE OUTLET - PROVIDE CABLE	18"
	JUNCTION BOX	
	JUNCTION BOX - WALL MOUNTED	
	SPST SWITCH - WALL MOUNTED	48"
3	3-WAY SWITCH - WALL MOUNTED	48"
D	DIMMER SWITCH - WALL MOUNTED (PROVIDE WATTAGE AS REQUIRED)	48"
LVD	LOW-VOLTAGE DIMMER SWITCH - WALL MOUNTED (PROVIDE WATTAGE AS REQUIRED)	48"
	WALL MOUNTED OCCUPANCY SENSOR - WATTSTOPPER WA-200. COLOR TO MATCH STANDARD OUTLETS	48"
	CEILING MOUNTED OCCUPANCY SENSOR - WATTSTOPPER CI-200. PROVIDE ACCESSORIES AS REQ'D. PROVIDE WITH CONTACT FOR JOHNSON CONTROLS INTERFACE	
	277/480 VOLT PANELBOARD OR DISTRIBUTION PANEL	
	120/208 VOLT PANELBOARD OR DISTRIBUTION PANEL	
	DISCONNECT (FRAME AND POLES TO MATCH OCP OR AS NOTED)	
F	FIRE ALARM PULL STATION - WALL MOUNTED	48" AFF TO TOP OF BOX
	FIRE ALARM ADA APPROVED AUDIO/VISUAL (110cd) - PROVIDE SEPARATE AMBER STROBE DEVICE AT EACH LOCATION	80" AFF TO BOTTOM OF VISUAL
	FIRE ALARM ADA APPROVED VISUAL ONLY (110cd)- PROVIDE SEPARATE AMBER STROBE DEVICE AT EACH LOCATION	80" AFF TO BOTTOM OF VISUAL
	FIRE ALARM ADA APPROVED AUDIO ONLY	
F	FIRE ALARM PULL STATION AT 48" AFF TO TOP OF BOX AND AUDIO/VISUAL AT 80" AFF TO BOTTOM OF VISUAL. PROVIDE SEPARATE AMBER STROBE DEVICE AT EACH LOCATION.	
	SMOKE DETECTOR - CEILING MOUNTED	
	SMOKE DETECTOR OR DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR PATH PER NFPA	
AC	ABOVE COUNTER	
AFF	ABOVE FINISHED FLOOR	
BFG	BELOW FINISHED GRADE	
E / R	EXISTING / RELOCATED	
FAA	FIRE ALARM ANNUNCIATOR PANEL	
FACP	FIRE ALARM CONTROL PANEL	
UNO	UNLESS NOTED OTHERWISE	
WP	WEATHER PROOF	
XFMR	TRANSFORMER	

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No.	Revision	Date
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ALABAMA REGISTERED PROFESSIONAL ENGINEER CHARLES E. CONWAY
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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE: LEGEND AND NOTES - ELECTRICAL

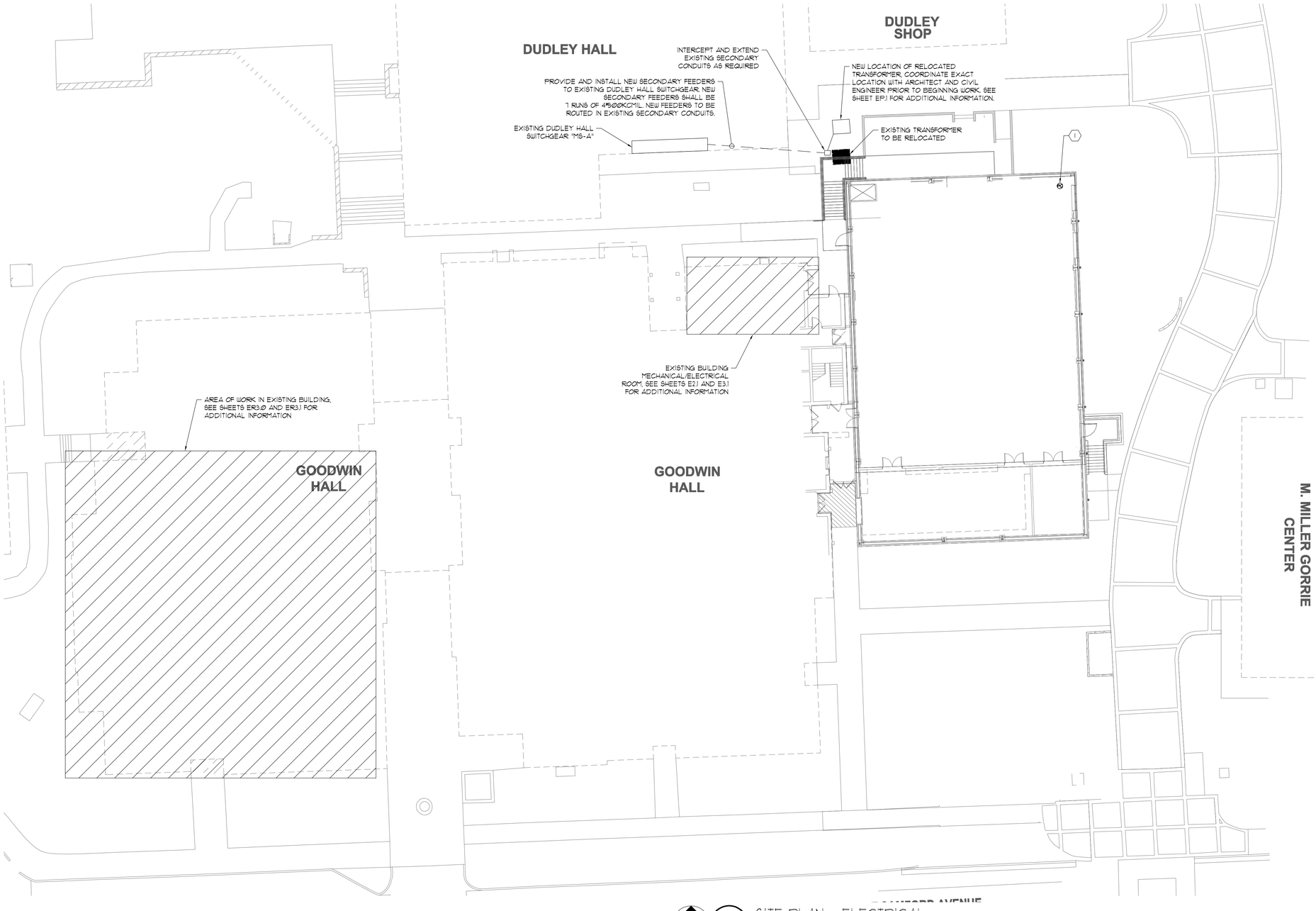
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DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: E0.1

GENERAL NOTES: (APPLY TO THIS SHEET ONLY)

1. LABEL PANELBOARD SCHEDULES PER NEC 408.4. CONTRACTOR SHALL IDENTIFY ALL SPARE BREAKERS AND MOVE THEM TO THE "OFF" POSITION.
2. ALL BRANCH CIRCUITS SHALL BE WIRED ¾"C, 2-#12, 1-#12G MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM ¾" CONDUIT. PROVIDE ADDITIONAL GROUND OF EQUAL SIZE FOR ISOLATED GROUND CIRCUITS.

KEY NOTES (APPLY TO THIS SHEET ONLY)

(1) PROVIDE AND INSTALL PHOTOCELL ON NORTH-FACING ROOF TO INTERFACE WITH LIGHTING CONTROL PANEL FOR CONTROL OF EXTERIOR LIGHTING. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.



1 SITE PLAN - ELECTRICAL
SCALE: 1/16" = 1'-0"

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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE: SITE PLAN - ELECTRICAL

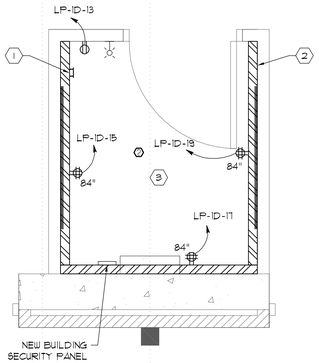
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FILE NUMBER: –
PROJECT NUMBER: 15-255
SHEET NUMBER: E1.0

GENERAL NOTES: (APPLY TO THIS SHEET ONLY)

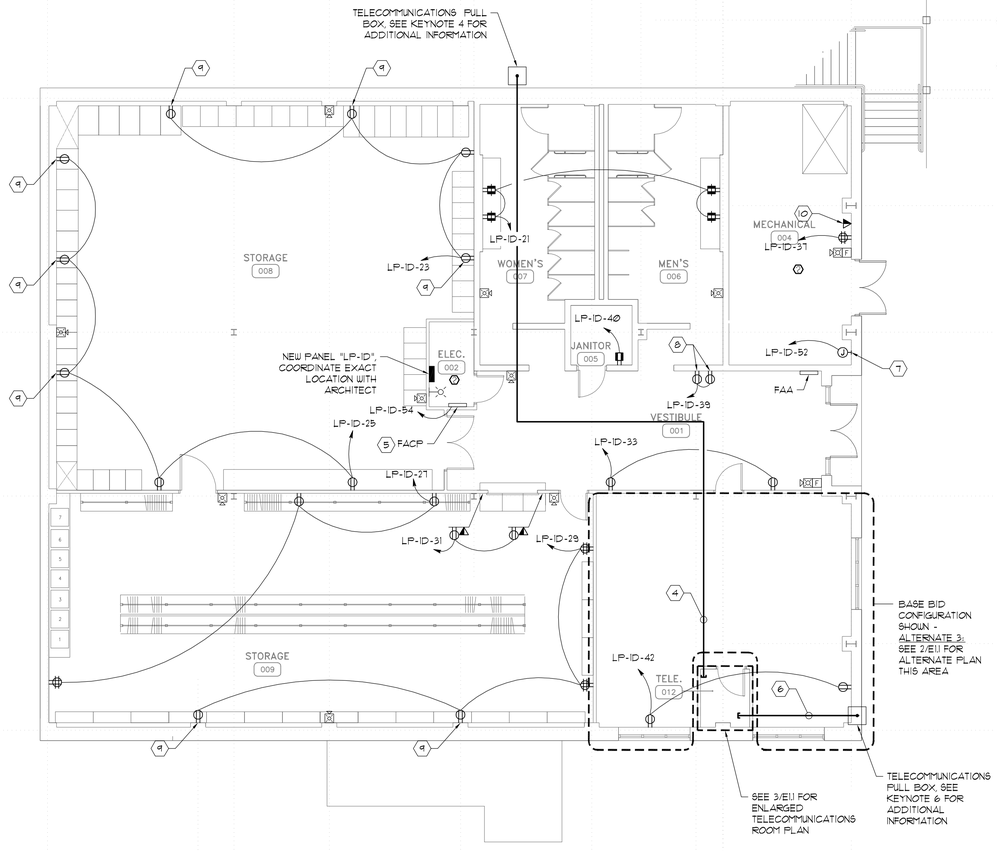
1. COORDINATE THE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LOW VOLTAGE, FIRE ALARM, ETC.) WITH ARCHITECT PRIOR TO ROUGH-IN IN ORDER TO COORDINATE WITH CASEWORK AND OTHER ITEMS.
2. LABEL PANELBOARD SCHEDULES PER NEC 408.4. CONTRACTOR SHALL IDENTIFY ALL SPARE BREAKERS AND MOVE THEM TO THE "OFF" POSITION.
3. DO NOT MOUNT OUTLETS BACK TO BACK, OFFSET TO NEXT STUD SPACE.
4. ALL BRANCH CIRCUITS SHALL BE WIRED ¾"C, 2-#12, 1-#12G MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM ¾" CONDUIT. PROVIDE ADDITIONAL GROUND OF EQUAL SIZE FOR ISOLATED GROUND CIRCUITS.
5. WHERE ELECTRONIC DOOR HARDWARE IS INSTALLED, COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN. CONTRACTOR SHALL PROVIDE RELAY AND ASSOCIATED WIRING TO CONNECT ELECTRONIC DOOR HARDWARE INTO FIRE ALARM SYSTEM SO THAT UPON ACTIVATION OF THE FIRE ALARM SYSTEM, DOOR LOCKS WILL RELEASE FOR EMERGENCY EGRESS.

KEY NOTES (APPLY TO THIS SHEET ONLY)

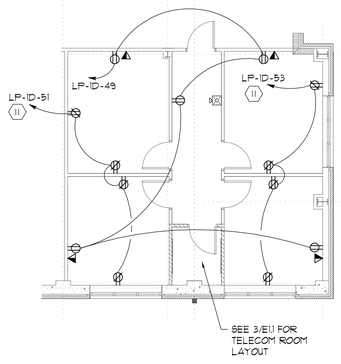
1. PROVIDE AND INSTALL 1/4" X 2" X 12" COPPER BUSBAR WITH STAND-OFF BUSHINGS (ERICO #GSB41212EE OR EQUAL) WITH #6, ¾"C. TO EXISTING BUILDING GROUND. COORDINATE EXACT TERMINATION LOCATION WITH AU OIT PRIOR TO ROUGH-IN.
2. IN TELECOMMUNICATIONS ROOM, PROVIDE AND INSTALL TELECOM BACKBOARD MOUNTED TO ALL WALLS. TELECOM BACKBOARD SHALL BE CONSTRUCTED OF ¾" AC-GRADE PLYWOOD PAINTED ON ALL SIDES. THE BACKBOARD SHALL BE OF EITHER FIRE-RETARDANT PLYWOOD OR PAINTED WITH TWO COATS OF FIRE-RESISTANT PAIN. THE PLYWOOD SHOULD BE MOUNTED VERTICALLY TO ALL WALLS IN THE TELECOMMUNICATIONS ROOM WITH TOGGLE OR BUTTERFLY BOLTS.
3. PROVIDE AND INSTALL A WIRE BASKET-TYPE CABLE TRAY AT THE TOP OF THE TELECOM BACKBOARD. ANY CONDUITS THAT ENTER THE ROOM SHALL BE CONNECTED TO THE CABLE TRAY BY A DIRECT MECHANICAL CONNECTION. CABLE TRAY TO BE MINIMUM 4" X 12" CABLOFIL #CFI2S OR EXACT EQUIVALENT WIRE BASKET TRAY.
4. PROVIDE AND INSTALL (1) 4" CONDUIT WITH PULL-STRING FROM MAIN BUILDING TELECOMMUNICATIONS ROOM. PROPOSED ROUTING SHOWN. SEE SHEET E12 FOR CONTINUATION. COORDINATE EXACT LOCATION AND ROUTING WITH ARCHITECT PRIOR TO ROUGH-IN. COORDINATE INSTALLATION WITH AU OIT, PROVIDE PULL-BOXES AS REQUIRED.
5. PROVIDE AND INSTALL ¾"C. WITH PULL-STRING FROM FIRE ALARM CONTROL PANEL TO TELECOMMUNICATIONS ROOM. COORDINATE EXACT LOCATION AND ROUTING WITH ARCHITECT PRIOR TO ROUGH-IN. CONNECT TO GOODWIN EXISTING BUILDING FIRE ALARM CONTROL PANEL.
6. PROVIDE AND INSTALL (2) 1" CONDUIT WITH PULL-STRING FROM TELECOMMUNICATIONS ROOM TO A/V CABINET ON FIRST FLOOR. PROPOSED ROUTING SHOWN. SEE SHEET E12 FOR CONTINUATION. COORDINATE EXACT LOCATION AND ROUTING WITH ARCHITECT PRIOR TO ROUGH-IN. COORDINATE INSTALLATION WITH AU OIT, PROVIDE PULL-BOXES AS REQUIRED.
7. PROVIDE AND INSTALL JUNCTION BOX FOR CONNECTION TO IRRIGATION SYSTEM POWER. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
8. PROVIDE AND INSTALL RECEPTACLES TO SERVE ELECTRIC DRINKING FOUNTAIN. INSTALL RECEPTACLES IN LOCATIONS INDICATED ON DRINKING FOUNTAIN SHOP DRAWINGS CONCEALED BEHIND ADA COVER. RECEPTACLES SHALL BE PROTECTED BY A GFCI BREAKER.
9. RECEPTACLES TO BE MOUNTED IN BASEBOARD TO COORDINATE WITH CASEWORK. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
10. PROVIDE AND INSTALL DATA CONNECTION FOR BUILDING AUTOMATION SYSTEM CONTROL PANEL. CONDUIT SHALL BE CONNECTED DIRECTLY TO THE CONTROL PANEL BOX. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
11. ALTERNATE 3: CIRCUIT TO BE ROUTED THROUGH LIGHTING CONTROL PANEL FOR TIME CONTROL. COORDINATE TIME SETTINGS WITH OWNER. SEE SHEET E01 FOR LIGHTING CONTROL PANEL DETAILS. ALL CONTROLLED RECEPTACLES SHALL BE PERMANENTLY MARKED TO VISUALLY DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES.



3 ENLARGED TELECOMMUNICATIONS ROOM PLAN - ELECTRICAL
SCALE: 1/2" = 1'-0"
NORTH



1 NEW BUILDING LOWER FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"
NORTH



2 PARTIAL FLOOR PLAN - ALTERNATE 3 - ELECTRICAL
SCALE: 1/8" = 1'-0"
NORTH

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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE: LOWER FLOOR PLAN - ELECTRICAL

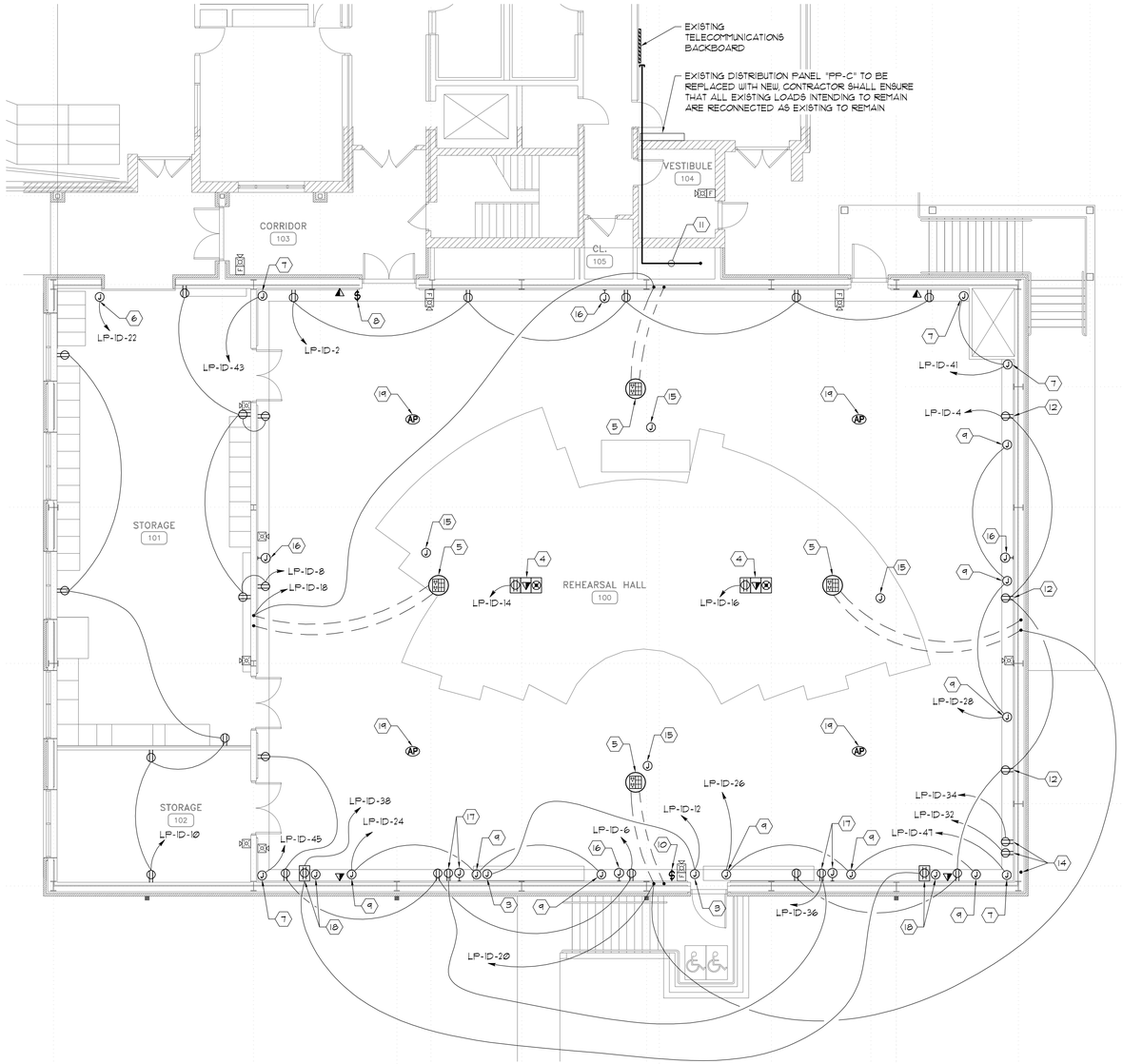
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PROJECT NUMBER: 15-255
SHEET NUMBER: E1.1

GENERAL NOTES: (APPLY TO THIS SHEET ONLY)

1. COORDINATE EXACT LOCATION OF ALL DEVICES WITH CASEWORK AND WALL TYPES WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE ELECTRICAL BOX EXTENDERS AS REQUIRED.
2. LABEL PANELBOARD SCHEDULES PER NEC 408.4. CONTRACTOR SHALL IDENTIFY ALL SPARE BREAKERS AND MOVE THEM TO THE "OFF" POSITION.
3. DO NOT MOUNT OUTLETS BACK TO BACK, OFFSET TO NEXT STUD SPACE.
4. ALL BRANCH CIRCUITS SHALL BE WIRED ¾"C, 2-#12, 1-#12G MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM ¾" CONDUIT. PROVIDE ADDITIONAL GROUND OF EQUAL SIZE FOR ISOLATED GROUND CIRCUITS.
5. WHERE ELECTRONIC DOOR HARDWARE IS INSTALLED, COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN. CONTRACTOR SHALL PROVIDE RELAY AND ASSOCIATED WIRING TO CONNECT ELECTRONIC DOOR HARDWARE INTO FIRE ALARM SYSTEM SO THAT UPON ACTIVATION OF THE FIRE ALARM SYSTEM, DOOR LOCKS WILL RELEASE FOR EMERGENCY EGRESS.

KEY NOTES (APPLY TO THIS SHEET ONLY)

1. NOT USED.
2. NOT USED.
3. PROVIDE AND INSTALL CEILING MOUNTED JUNCTION BOX FOR MOTORIZED PROJECTOR SCREEN. PROVIDE AND INSTALL 1" CONDUIT WITH PULL-STRING TO A/V RACK LOCATION (KEYNOTE 14). COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
4. PROVIDE AND INSTALL CEILING MOUNTED JUNCTION BOX FOR POWER/DATA CONNECTION TO PROJECTOR. PROVIDE AND INSTALL 1" CONDUIT WITH PULL-STRING ROUTED BACK TO LOWER LEVEL TELECOMMUNICATIONS ROOM FOR LOW VOLTAGE CONNECTIONS. PROVIDE AND INSTALL 1" CONDUIT WITH PULL-STRING TO A/V RACK LOCATION (KEYNOTE 14). COORDINATE EXACT LOCATION, CONNECTION REQUIREMENTS, AND MOUNTING REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
5. PROVIDE AND INSTALL WIREMOLD POKE THROUGH #RC44TCBK OR APPROVED EQUAL. FLOOR BOX TO HAVE A MINIMUM OF 1 QUADRUPLEX POWER AND 4 DATA PORTS. PROVIDE AND INSTALL 1" CONDUIT WITH PULL-STRING ROUTED BACK TO LOWER LEVEL TELECOMMUNICATIONS ROOM FOR LOW VOLTAGE CONNECTIONS. PROVIDE AND INSTALL 1" CONDUIT WITH PULL-STRING TO A/V RACK LOCATION (KEYNOTE 14). COORDINATE EXACT QUANTITY AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
6. PROVIDE AND INSTALL JUNCTION BOX FOR CONNECTION TO MOTORIZED ROLL-UP DOOR. COORDINATE EXACT LOCATION, CONNECTION, AND CONTROL REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
7. ALTERNATE 2: PROVIDE AND INSTALL JUNCTION BOX FOR CONNECTION TO MOTORIZED CURTAINS. COORDINATE EXACT LOCATION, QUANTITY, CONNECTION, AND CONTROL REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
8. ALTERNATE 2: PROVIDE AND INSTALL (4) CONTROL SWITCHES FOR MOTORIZED CURTAINS INDICATED IN KEYNOTE 7. COORDINATE EXACT QUANTITY, LOCATION, AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
9. PROVIDE AND INSTALL JUNCTION BOX FOR CONNECTION TO MOTORIZED SHADES. COORDINATE EXACT LOCATION, QUANTITY, CONNECTION, AND CONTROL REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
10. PROVIDE AND INSTALL (2) CONTROL SWITCHES FOR MOTORIZED SHADES INDICATED IN KEYNOTE 9. COORDINATE EXACT QUANTITY, LOCATION, AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
11. TELECOMMUNICATIONS CONDUIT. PROPOSED ROUTING SHOWN. SEE SHEET E1.1 FOR CONTINUATION AND ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND ROUTING WITH ARCHITECT PRIOR TO ROUGH-IN.
12. RECEPTACLES TO BE MOUNTED IN BASEBOARD TO COORDINATE WITH WALL-MOUNTED MIRROR. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
13. NOT USED.
14. A/V RACK LOCATION. PROPOSED CONDUIT ROUTING SHOWN. SEE SHEET E1.1 FOR CONTINUATION AND ADDITIONAL INFORMATION. PROVIDE AND INSTALL (2) DEDICATED RECEPTACLES ON ADJACENT WALL FOR A/V RACK POWER. COORDINATE EXACT LOCATION AND ROUTING WITH ARCHITECT PRIOR TO ROUGH-IN.
15. PROVIDE AND INSTALL CEILING-MOUNTED JUNCTION BOX FOR CONNECTION TO A/V MICROPHONE. PROVIDE AND INSTALL 1" CONDUIT WITH PULL-STRING TO A/V RACK LOCATION (KEYNOTE 14). COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
16. PROVIDE AND INSTALL JUNCTION BOX AT 96" AFF FOR CONNECTION TO A/V CAMERA. PROVIDE AND INSTALL 1" CONDUIT WITH PULL-STRING TO A/V RACK LOCATION (KEYNOTE 14). COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
17. PROVIDE AND INSTALL JUNCTION BOX AND RECEPTACLE AT 120" AFF FOR CONNECTION TO A/V SPEAKER. PROVIDE AND INSTALL 1" CONDUIT WITH PULL-STRING TO A/V RACK LOCATION (KEYNOTE 14). COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
18. PROVIDE AND INSTALL CEILING-MOUNTED JUNCTION BOX AND RECEPTACLE FOR CONNECTION TO A/V SUB. PROVIDE AND INSTALL 1" CONDUIT WITH PULL-STRING TO A/V RACK LOCATION (KEYNOTE 14). COORDINATE EXACT LOCATION, CONNECTION REQUIREMENTS, AND MOUNTING REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
19. PROVIDE AND INSTALL CEILING-MOUNTED JUNCTION BOX FOR CONNECTION TO WIRELESS ACCESS POINT. PROVIDE AND INSTALL A 1" CONDUIT WITH PULL-STRING TO LOWER LEVEL TELECOMMUNICATIONS ROOM. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH AU OIT PRIOR TO ROUGH-IN.



1 FIRST FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"
NORTH

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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE: FIRST FLOOR PLAN - ELECTRICAL

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GENERAL NOTES: (APPLY TO THIS SHEET ONLY)

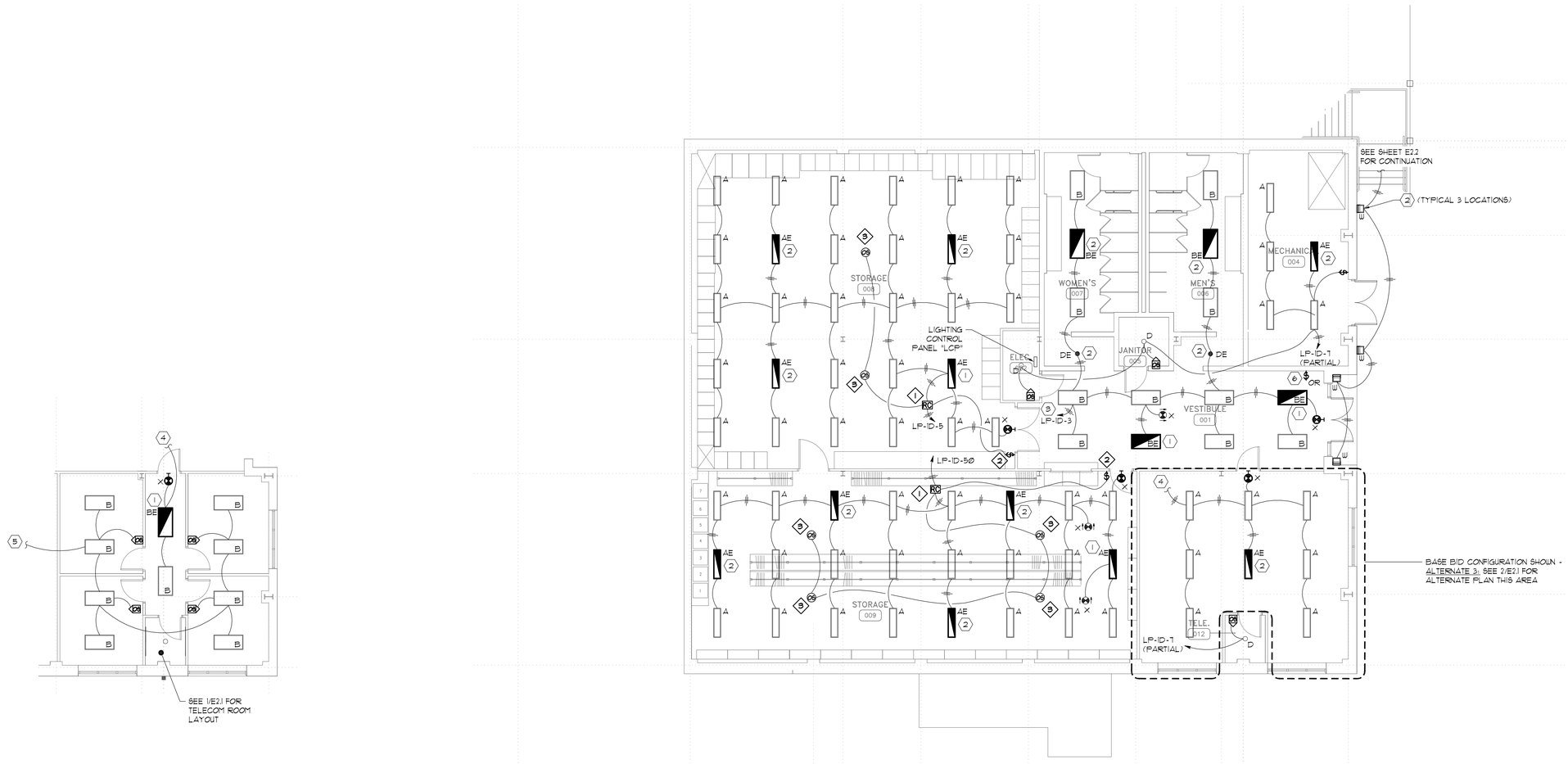
1. LABEL PANELBOARD SCHEDULES PER NEC 408.4. CONTRACTOR SHALL IDENTIFY ALL SPARE BREAKERS AND MOVE THEM TO THE "OFF" POSITION.
2. ALL BRANCH CIRCUITS SHALL BE WIRED ¾"C, 2-#12, 1-#12G MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM ¾" CONDUIT. PROVIDE ADDITIONAL GROUND OF EQUAL SIZE FOR ISOLATED GROUND CIRCUITS.

LIGHTING CONTROL KEY NOTES (APPLY TO THIS SHEET ONLY)

1. ROOM CONTROLLER WITH 0-10V DIMMING OUTPUTS, WATTSTOPPER #LMRC-213 OR APPROVED EQUIVALENT
2. THREE BUTTON LOW VOLTAGE ROOM CONTROLLER SWITCH, LMSW-103 OR APPROVED EQUIVALENT, BUTTONS AS FOLLOWS:
   - RAISE ALL
   - LOWER ALL
   - ALL TOGGLE ON/OFF
3. LOW VOLTAGE CEILING-MOUNTED DUAL TECHNOLOGY VACANCY SENSOR WATTSTOPPER #LMDC-100 OR APPROVED EQUIVALENT

KEY NOTES (APPLY TO THIS SHEET ONLY)

1. EMERGENCY NIGHTLIGHT FIXTURE, CONTRACTOR SHALL CONNECT TO UN-SWITCHED 'HOT' IN LIGHTING CIRCUIT.
2. EMERGENCY EGRESS LIGHTING FIXTURE, CONNECT TO SWITCHED 'HOT' FOR NORMAL OPERATION AND CONNECT UN-SWITCHED 'HOT' TO THE BATTERY PACK IN FIXTURE FOR CHARGING SO THAT IN THE EVENT POWER IS LOST, FIXTURE WILL TURN ON FOR EMERGENCY EGRESS LIGHTING.
3. ROUTE CIRCUIT THROUGH LIGHTING CONTROL PANEL, CONTRACTOR SHALL ROUTE UN-SWITCHED 'HOT' AROUND LIGHTING CONTROL PANEL FOR EMERGENCY EGRESS LIGHTING FIXTURES SO THAT IN THE EVENT POWER IS LOST FIXTURES WILL TURN ON.
4. CONNECT TO NEAREST CORRIDOR LIGHTING CIRCUIT CONTROLLED BY LIGHTING CONTROL PANEL.
5. CONNECT TO NEAREST LIGHTING CIRCUIT WITH LOCAL OCCUPANCY SENSOR CONTROLS (TELECOM ROOM).
6. CONTRACTOR SHALL PROVIDE OVERRIDE SWITCH FOR LIGHTING CONTROL SYSTEM. SWITCH SHALL TURN LIGHTS ON/OFF DURING NORMAL BUSINESS HOURS AND OPERATE AS AN OVERRIDE SWITCH AFTER BUSINESS HOURS. REFER TO LIGHTING CONTROL PANEL ON SHEET E0.1 FOR ADDITIONAL INFORMATION.



A B C D E F G G.8 H J

2 PARTIAL FLOOR PLAN - ALTERNATE 3 - LIGHTING
SCALE: 1/8" = 1'-0"
NORTH

1 NEW BUILDING LOWER FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"
NORTH

AUBURN UNIVERSITY
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No.	Revision	Date
-	-	-

ALABAMA REGISTERED PROFESSIONAL ENGINEER CHARLES E. CONWAY
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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE: LOWER FLOOR PLAN - LIGHTING

DRAWN BY: ATS
CHECKED BY: CC
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: E2.1

GENERAL NOTES: (APPLY TO THIS SHEET ONLY)

1. LABEL PANELBOARD SCHEDULES PER NEC 408.4. CONTRACTOR SHALL IDENTIFY ALL SPARE BREAKERS AND MOVE THEM TO THE "OFF" POSITION.

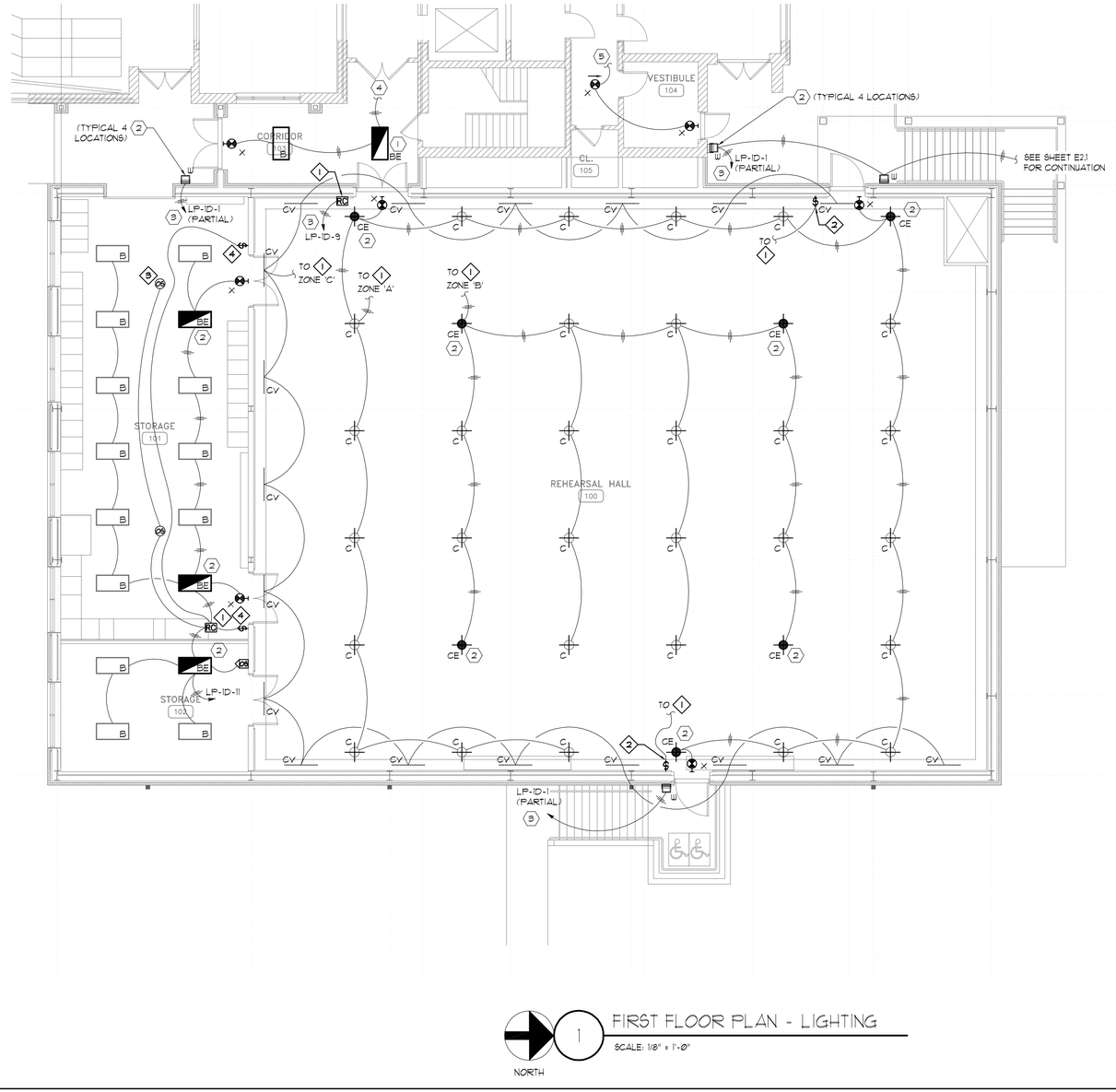
2. ALL BRANCH CIRCUITS SHALL BE WIRED ¾"C, 2-#12, 1-#12G MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM ¾" CONDUIT. PROVIDE ADDITIONAL GROUND OF EQUAL SIZE FOR ISOLATED GROUND CIRCUITS.

LIGHTING CONTROL KEY NOTES (APPLY TO THIS SHEET ONLY)

1. ROOM CONTROLLER WITH Ø-10V DIMMING OUTPUTS, WATTSTOPPER #LMRC-213 OR APPROVED EQUIVALENT
2. EIGHT BUTTON LOW VOLTAGE ROOM CONTROLLER SWITCH, LMSW-108 OR APPROVED EQUIVALENT, BUTTONS AS FOLLOWS:
   - ALL ON
   - ALL OFF
   - RAISE ALL
   - LOWER ALL
   - ZONE A TOGGLE ON/OFF
   - ZONE B TOGGLE ON/OFF
   - ZONE C TOGGLE ON/OFF
   - SCENE 1 (COORDINATE SETTINGS WITH ARCHITECT/OWNER)
3. LOW VOLTAGE CEILING-MOUNTED DUAL TECHNOLOGY VACANCY SENSOR WATTSTOPPER #LMDC-100 OR APPROVED EQUIVALENT
4. THREE BUTTON LOW VOLTAGE ROOM CONTROLLER SWITCH, LMSW-103 OR APPROVED EQUIVALENT, BUTTONS AS FOLLOWS:
   - RAISE ALL
   - LOWER ALL
   - ALL TOGGLE ON/OFF

KEY NOTES (APPLY TO THIS SHEET ONLY)

1. EMERGENCY NIGHTLIGHT FIXTURE, CONTRACTOR SHALL CONNECT TO UN-SWITCHED 'HOT' IN LIGHTING CIRCUIT.
2. EMERGENCY EGRESS LIGHTING FIXTURE, CONNECT TO SWITCHED 'HOT' FOR NORMAL OPERATION AND CONNECT UN-SWITCHED 'HOT' TO THE BATTERY PACK IN FIXTURE FOR CHARGING SO THAT IN THE EVENT POWER IS LOST, FIXTURE WILL TURN ON FOR EMERGENCY EGRESS LIGHTING.
3. ROUTE CIRCUIT THROUGH LIGHTING CONTROL PANEL, CONTRACTOR SHALL ROUTE UN-SWITCHED 'HOT' AROUND LIGHTING CONTROL PANEL FOR EMERGENCY EGRESS LIGHTING FIXTURES SO THAT IN THE EVENT POWER IS LOST FIXTURES WILL TURN ON.
4. CONNECT TO EXISTING CORRIDOR LIGHTING CIRCUIT AND CONTROL IN THE AREA. ROUTE UN-SWITCHED 'HOT' IN CIRCUIT FOR CONNECTION TO EMERGENCY EGRESS FIXTURES AND EXIT SIGNAGE.
5. CONNECT TO UN-SWITCHED 'HOT' IN EXISTING CORRIDOR LIGHTING CIRCUIT IN THE AREA FOR CONNECTION TO EMERGENCY EGRESS EXIT SIGNAGE.



1 FIRST FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

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No.	Revision	Date
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ALABAMA REGISTERED PROFESSIONAL ENGINEER CHARLES A. CONWAY
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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE: FIRST FLOOR PLAN - LIGHTING

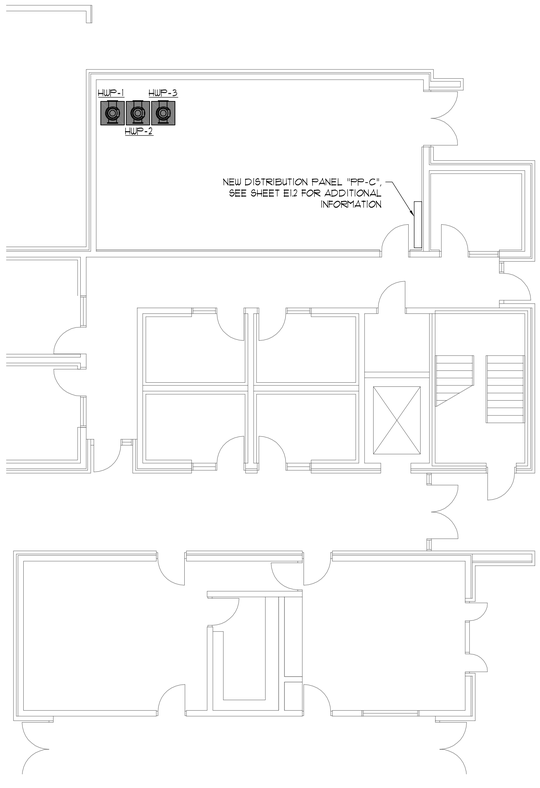
DRAWN BY: ATS
CHECKED BY: CC
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: E2.2

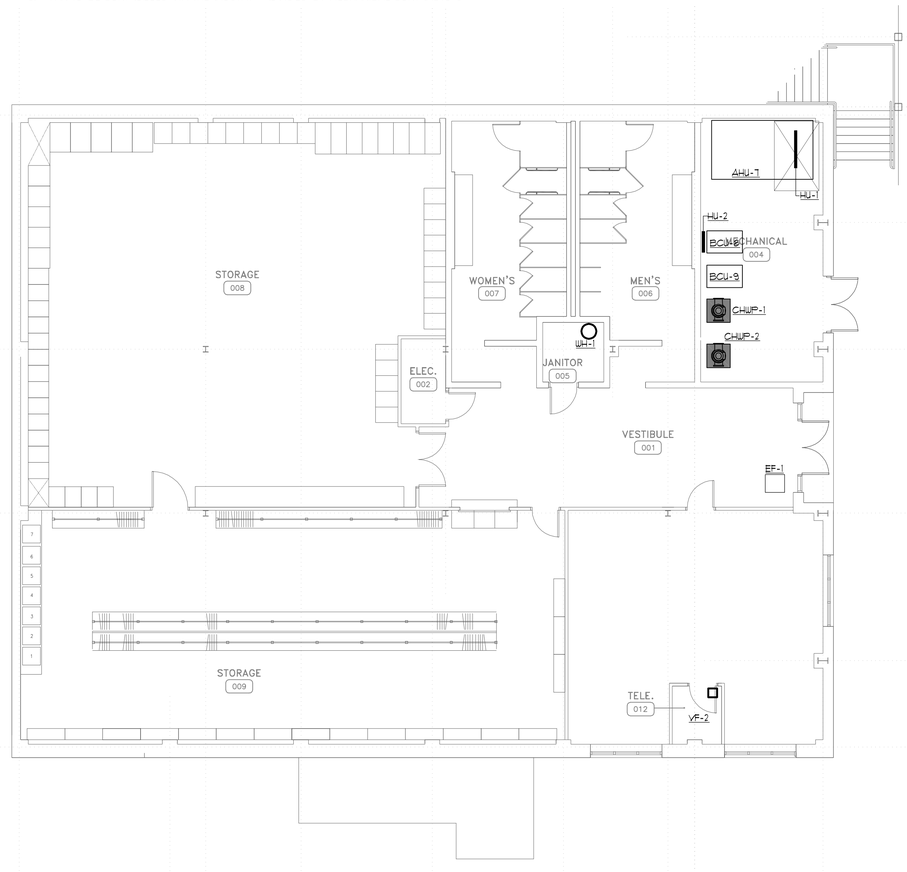
MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

TAG	LOAD	VOLT/PHASE	CIRCUIT DESIGNATION	BREAKER	BRANCH CIRCUIT	DISCONNECT	NOTES
AHU-7	35.5 A	208/3	PP-C-67,69,71	60A/3P	3#4, 1#10G, 1¼"C.	60A/3P	1
BCU-8	9.5 A	208/3	PP-C-73,75,77	15A/3P	3#12, 1#12G, ¾"C.	30A/3P	-
BCU-9	5.75 A	208/3	PP-C-79,81,83	15A/3P	3#12, 1#12G, ¾"C.	30A/3P	-
EF-1	1/4 HP	120/1	LP-1D-35	20A/1P	2#12, 1#12G, ¾"C.	MOTOR RATED SWITCH	2
CHWP-1	20 HP / 59.4 A	208/3	PP-C-8,10,12	100A/3P	3#2, 1#8G, 1½"C.	100A/3P	1
CHWP-2	20 HP / 59.4 A	208/3	PP-C-14,16,18	100A/3P	3#2, 1#8G, 1½"C.	100A/3P	1
HWP-1	7.5 HP / 24.2 A	208/3	PP-C-56,58,60	50A/3P	3#6, 1#10G, 1¼"C.	60A/3P	1
HWP-2	7.5 HP / 24.2 A	208/3	PP-C-62,64,66	50A/3P	3#6, 1#10G, 1¼"C.	60A/3P	1
HWP-3	7.5 HP / 24.2 A	208/3	PP-C-68,70,72	50A/3P	3#6, 1#10G, 1¼"C.	60A/3P	1
HU-1	46 A	208/3	PP-C-74,76,78	50A/3P	3#6, 1#10G, 1¼"C.	60A/3P	-
HU-2	17 A	208/3	PP-C-80,82,84	25A/3P	3#10, 1#10G, ¾"C.	30A/3P	-
VF-1	1/4 HP	120/1	LP-1D-44	20A/1P	2#12, 1#12G, ¾"C.	MOTOR RATED SWITCH	3
WH-1	4.5 KW	208/3	PP-C-61,63,65	20A/3P	3#12, 1#12G, ¾"C.	30A/3P	-

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE NOTES:

1. PROVIDE CONNECTION TO VFD. COORDINATE WITH MECHANICAL CONTRACTOR.
2. FAN TO BE CONTROLLED VIA BUILDING MANAGEMENT SYSTEM.
3. FAN TO BE CONTROLLED VIA THERMOSTAT PROVIDED BY MECHANICAL CONTRACTOR.





A B C D E F G G.8 H J

2 EXISTING BUILDING PARTIAL FLOOR PLAN - ELECTRICAL (MECHANICAL)
SCALE: 1/8" = 1'-0"
NORTH

1 NEW BUILDING LOWER FLOOR PLAN - ELECTRICAL (MECHANICAL)
SCALE: 1/8" = 1'-0"
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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
LOWER FLOOR PLAN - ELECTRICAL (MECHANICAL)

DRAWN BY: ATS
CHECKED BY: CC
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: E3.1

NEW DISTRIB. PANEL "PP-C-SEC.1" SCHEDULE

VOLTAGE:	208 Y / 120 3 PHASE 4 WIRE	MAIN:	800A MLO	MOUNTING:	PROVIDED WITH FEED-THRU LUGS
BUS SIZE:	800 AMPS	FAULT DUTY:	SEE RISER	AIC	SURFACE

CKT NO	DESCRIPTION	LOAD	NOTE	BKR	PHASE A	PHASE B	PHASE C	BKR	NOTE	LOAD	DESCRIPTION	CKT NO
1		0.0			1.1					1.1		2
3	SPARE	0.0		3Ø/3		1.1		3Ø/3		1.1	EXISTING - BOILER PUMP	4
5		0.0					1.1			1.1		6
7		2.2			9.3					7.1		8
9	EXISTING - AHU-2	2.2		6Ø/3		9.3		100/3		7.1	NEW - CHWP-1	10
11		2.2					9.3			7.1		12
13		2.2			2.2					0.0		14
15	EXISTING - LP-2C	2.2		6Ø/3		2.2		100/3		0.0	NEW - CHWP-2	16
17		2.2					2.2			0.0		18
19		2.2			4.3					2.2		20
21	EXISTING - AHU-1	2.2		6Ø/3		4.3		6Ø/3		2.2	EXISTING - AUX 1	22
23		2.2					4.3			2.2		24
25		0.0			0.0					0.0		26
27	SPARE	0.0		6Ø/3		0.0		6Ø/3		0.0	SPARE	28
29		0.0					0.0			0.0		30
31		3.6			7.2					3.6		32
33	EXISTING - LP-1B	3.6		100/3		7.2		80/3		3.6	EXISTING - LP-1C	34
35		3.6					7.2			3.6		36
37		1.1			1.1					0.0		38
39	EXISTING - OIL PUMP	1.1		3Ø/3		1.1		3Ø/3		0.0	SPARE	40
41		1.1					1.1			0.0		42
					25.1	25.1	25.1					

LIGHTING:	5.4	x 125% =	6.7
RECEPT:	24.5	x NEC 220.44	17.3
MOTORS:	51.2	x 100%	51.2
A/C:	64.7	x 100%	64.7
HEATING:	0.0	x 100%	0.0
KITCHEN:	0.0	x NEC 220.56	0.0
MISC:	61.7	x 100%'	61.7
TOTAL KVA	207.5	CALC KVA	201.6
TOTAL AMPS	576.7	CALC AMPS	560.3

TOTAL BUS KVA	A	B	C
	68.9	70.3	68.4

NOTES:
1 REDUNDANT PUMP, LOAD HAS BEEN OMITTED

NEW DISTRIB. PANEL "PP-C-SEC.2" SCHEDULE

VOLTAGE:	208 Y / 120 3 PHASE 4 WIRE	MAIN:	800A MLO	MOUNTING:	FED VIA FEED-THRU LUGS
BUS SIZE:	800 AMPS	FAULT DUTY:	SEE RISER	AIC	SURFACE

CKT NO	DESCRIPTION	LOAD	NOTE	BKR	PHASE A	PHASE B	PHASE C	BKR	NOTE	LOAD	DESCRIPTION	CKT NO
43		3.6			7.2					3.6		44
45	EXISTING - LP-1A / LP-2A	3.6		100/3		7.2		100/3		3.6	EXISTING - AHU-6	46
47		3.6					7.2			3.6		48
49		0.0			4.0					4.0		50
51	- DO NOT USE -	0.0				4.0		110/3		4.0	EXISTING - ELEVATOR	52
53		0.0					4.0			4.0		54
55		11.7			14.6					2.9		56
57	NEW PANEL "LP-1D"	13.0		200/3		15.9		50/3		2.9	NEW - "HWP-1"	58
59		11.1					14.0			2.9		60
61		1.5			4.4					2.9		62
63	NEW - "WH-1"	1.5		20/3		4.4		50/3		2.9	NEW - "HWP-2"	64
65		1.5					4.4			2.9		66
67		4.3			4.3					0.0		68
69	NEW - "AHU-7"	4.3		60/3		4.3		50/3	1	0.0	NEW - "HWP-3"	70
71		4.3					4.3			0.0		72
73		1.1			6.7					5.5		74
75	NEW - "BCU-8"	1.1		15/3		6.7		50/3		5.5	NEW - "HU-1"	76
77		1.1					6.7			5.5		78
79		0.7			2.7					2.0		80
81	NEW - "BCU-9"	0.7		15/3		2.7		25/3		2.0	NEW - "HU-2"	82
83		0.7					2.7			2.0		84
					43.8	45.1	43.2					

LIGHTING:	5.4	x 125% =	6.7
RECEPT:	24.5	x NEC 220.44	17.3
MOTORS:	23.3	x 100%	23.3
A/C:	51.8	x 100%	51.8
HEATING:	0.0	x 100%	0.0
KITCHEN:	0.0	x NEC 220.56	0.0
MISC:	27.2	x 100%'	27.2
TOTAL KVA	132.1	CALC KVA	126.2
TOTAL AMPS	367.2	CALC AMPS	350.8

TOTAL BUS KVA	A	B	C
	43.8	45.1	43.2

NOTES:
1 REDUNDANT PUMP, LOAD HAS BEEN OMITTED

NEW PANELBOARD "LP-1D" SCHEDULE

VOLTAGE:	208 Y / 120 3 PHASE 4 WIRE	MAIN:	200A MCB	MOUNTING:	
BUS SIZE:	225 AMPS	FAULT DUTY:	SEE RISER	AIC	SURFACE

CKT NO	DESCRIPTION	LOAD	NOTE	BKR	PHASE A	PHASE B	PHASE C	BKR	NOTE	LOAD	DESCRIPTION	CKT NO
1	EXTERIOR LTG	0.5		20/1	1.5			20/1		1.0	REHEARSAL HALL REC	2
3	LOWER LEVEL LTG	0.7		20/1		1.7		20/1		1.0	REHEARSAL HALL REC	4
5	LOWER LEVEL LTG	1.0		20/1			1.8	20/1		0.8	REHEARSAL HALL REC	6
7	LOWER LVL LTG (OCC)	0.2		20/1	1.2			20/1		1.0	REHEARSAL/STOR REC	8
9	UPPER LEVEL LTG	1.1		20/1		2.7		20/1		1.0	STORAGE 101/102 REC	10
11	UPPER LVL LTG (OCC)	0.5		20/1			0.9	20/1		0.4	PROJECTION SCREENS	12
13	TELECOM RM 012	0.2		20/1	1.2			20/1		1.0	PROJECTOR	14
15	TELECOM RM 012	0.4		20/1		1.4		20/1		1.0	PROJECTOR	16
17	TELECOM RM 012	0.4		20/1			1.2	20/1		0.8	FLOOR BOXES (SOUTH)	18
19	TELECOM RM 012	0.4		20/1	1.2			20/1		0.8	FLOOR BOXES (NORTH)	20
21	RESTROOM RECEPS	0.8		20/1		1.8		20/1		1.0	STORAGE 101 DOOR	22
23	STORAGE 003 REC	0.8		20/1			1.4	20/1		0.6	MOTORIZED SHADES	24
25	STORAGE 008 REC	1.0		20/1	1.6			20/1		0.6	MOTORIZED SHADES	26
27	STORAGE 003 REC	0.8		20/1		1.4		20/1		0.6	MOTORIZED SHADES	28
29	STORAGE 003 REC	0.8		20/1			1.3	20/1		0.5	DOOR OPERATORS	30
31	STORAGE 003 REC	0.4		20/1	0.9			20/1		0.5	A/V RACK	32
33	VESTIBULE 001 REC	0.4		20/1		0.9		20/1		0.5	A/V RACK	34
35	EF-1	0.2		20/1			1.2	20/1		1.0	REHEARSAL SPKRS	36
37	MECH RM REC	0.5		20/1	1.5			20/1		1.0	REHEARSAL SUBS	38
39	DRINKING FOUNTAIN	0.5	1	20/1		0.7		20/1		0.2	JANTOR RECEP	40
41	(ALT) CURTAINS (N/W)	0.6	3	20/1			1.0	20/1		0.4	CONVIENCE RECEP	42
43	(ALT) CURTAINS (S/W)	0.6	3	20/1	0.8			20/1		0.2	VF-2	44
45	(ALT) CURTAINS (S/E)	0.6	3	20/1		0.6		20/1		0.0	SPARE	46
47	(ALT) CURTAINS (N/E)	0.6	3	20/1			0.6	20/1		0.0	SPARE	48
49	(ALT) OFFICE REC	1.0	3	20/1	1.8			20/1		0.8	LOWER LEVEL LTG	50
51	(ALT) OFFICE SW REC	0.8	3	20/1		1.8		20/1		1.0	IRRIGATION SYSTEM	52
53	(ALT) OFFICE SW REC	0.8	3	20/1			1.8	20/1	2	1.0	FACP	54
					11.7	13.0	11.1					

LIGHTING:	5.4	x 125% =	6.7
RECEPT:	24.5	x NEC 220.44	17.3
MOTORS:	5.9	x 100%	5.9
A/C:	0.0	x 100%	0.0
HEATING:	0.0	x 100%	0.0
KITCHEN:	0.0	x NEC 220.56	0.0
MISC:	0.0	x 100%'	0.0
TOTAL KVA	35.8	CALC KVA	29.9
TOTAL AMPS	99.4	CALC AMPS	83.0

TOTAL BUS KVA	A	B	C
	11.7	13.0	11.1

NOTES:
1 PROVIDE GFCI BREAKER
2 PROVIDE WITH LOCK-ON BREAKER KIT
3 PROVIDE AS ALTERNATE

NOTE: ALL CONDUCTORS SIZES IN THIS SCHEDULE ARE SIZED FOR COPPER.

RISER DIAGRAM FEEDER SCHEDULE

TAG	NUMBER OF SETS	CONFIG.	PHASE/NEUTRAL SIZE PER SET	EQUIP. GROUND PER SET	CONDUIT SIZE PER SET	NOTES
200A	1	3-PH, 4W/G	4 * 3/0	1 * 6	2½"	

PANEL LOAD NOTES:

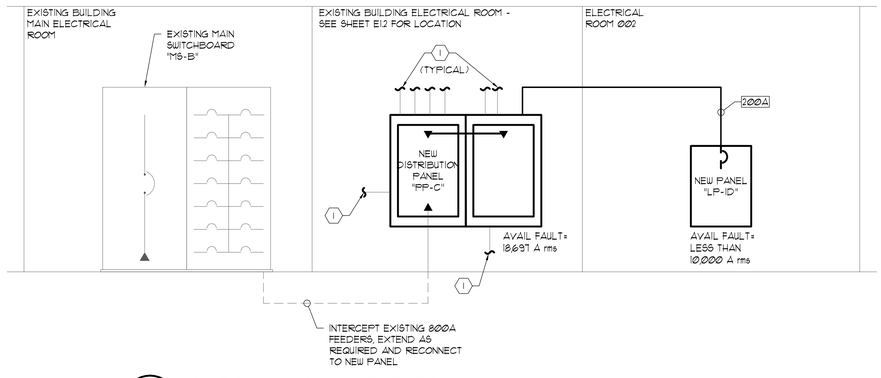
1. MS-B:
   - EQUIPMENT RATING
     -- 3000 AMPS
   - EXISTING LOAD (BASED ON DEMAND HISTORY)
     -- 132.8 KVA - 533.6 AMPS
   - ADDED LOAD
     -- 113.9 KVA - 316.4 AMPS
   - NEW LOAD
     -- 306.7 KVA - 851.9 AMPS

RISER DIAGRAM NOTES:

1. FOR ALL NEW PANELBOARDS SUPPLIED BY A FEEDER, PROVIDE A LABEL INDICATING THE DEVICE OR EQUIPMENT FROM WHICH THE POWER SUPPLY ORIGINATES PER NEC 408.4(B).
2. PROVIDE ARC-FLASH WARNING LABELS PER NEC 110.16 ON ALL NEW ELECTRICAL EQUIPMENT AND ANY EXISTING ELECTRICAL EQUIPMENT THAT IS MODIFIED.
3. FIELD MARK ELECTRICAL SERVICE EQUIPMENT WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES THE AVAILABLE FAULT CURRENT IN ACCORDANCE WITH NEC 110.24.
4. LABEL PANELBOARD SCHEDULES PER NEC 408.4. CONTRACTOR SHALL IDENTIFY ALL SPARE BREAKERS AND MOVE THEM TO THE "OFF" POSITION.

KEY NOTES (APPLY TO THIS SHEET ONLY)

(1) FOR EXISTING LOADS TO BE RECONNECTED (SEE PANEL SCHEDULES FOR ADDITIONAL INFORMATION) UPON REPLACMENT OF PANEL "PP-C", EXTEND EXISTING CONDUITS/WIRING AND RECONNECT AS EXISTING TO REMAIN. SPECIAL CARE SHALL BE TAKEN TO LOCATE BREAKERS IN NEW PANEL TO AVOID SPLICING EXISTING FEEDERS.



1 RISER DIAGRAM - ELECTRICAL
NOT TO SCALE

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PE# 20753 06/14/2017

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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
RISER DIAGRAM AND SCHEDULES - ELECTRICAL

DRAWN BY: ATS
CHECKED BY: CC
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: E5.0

COMcheck Software Version 4.0.6.0

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2013) Standard
Project Title: AU Goodwin Hall Band Practice Addition
Project Type: Alteration
Exterior Lighting Zone 3 (Other)

Construction Site:
Auburn University, AL

Owner/Agent:

Designer/Contractor:
Conway & Owen
1455 Bluegrass Lakes Parkway
Alpharetta, GA 30004

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Entry canopy	728 ft2	0.4	Yes	291
Other door (not main entry)	12 ft of door	20	Yes	240
			Total Tradable Watts (a) =	531
			Total Allowed Watts =	531
			Total Allowed Supplemental Watts (b) =	750

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 750 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Entry canopy (728 ft2): Tradable Wattage				
W: W: Other:	1	5	25	125
Other door (not main entry) (12 ft of door width): Tradable Wattage				
W: W: Other:	1	2	25	50
			Total Tradable Proposed Watts =	175

Exterior Lighting PASSES: Design 86% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.0.6.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

ALLEN T. SASSER — Name - Title
Allen T. Sasser — Signature
05/18/2017 — Date

COMcheck Software Version 4.0.6.0

Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2013) Standard
Project Title: AU Goodwin Hall Band Practice Addition
Project Type: Alteration

Construction Site:
Auburn University, AL

Owner/Agent:

Designer/Contractor:
Conway & Owen
1455 Bluegrass Lakes Parkway
Alpharetta, GA 30004

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Lower Level (Common Space Types:Storage >=1000 sq.ft.)	4377	0.63	2758
2-Lower Level (Common Space Types:Restrooms)	790	0.98	774
3-Lower Level (Common Space Types:Corridor/Transition >=8 ft wide)	576	0.66	380
4-Lower Level (Common Space Types:Electrical/Mechanical)	518	0.42	218
5-Lower Level (Common Space Types:Storage >=50 - <=1000 sq.ft.)	55	0.63	35
6-First Floor (Common Space Types:Classroom/Lecture/Training)	6348	1.24	7872
7-First Floor (Common Space Types:Storage >=1000 sq.ft.)	1661	0.63	1046
8-First Floor (Common Space Types:Corridor/Transition >=8 ft wide)	303	0.66	200
		Total Allowed Watts =	13282

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Lower Level (Common Space Types:Storage >=1000 sq.ft. 4377 sq.ft.)				
A: A: Other:	1	61	33	2013
Lower Level (Common Space Types:Restrooms 790 sq.ft.)				
B: B: Other:	1	6	31	186
D: D: Other:	1	2	23	46
Lower Level (Common Space Types:Corridor/Transition >=8 ft wide 576 sq.ft.)				
B: B: Other:	1	8	31	248
Lower Level (Common Space Types:Electrical/Mechanical 518 sq.ft.)				
A: A: Other:	1	5	33	165
D: D: Other:	1	2	23	46
Lower Level (Common Space Types:Storage >=50 - <=1000 sq.ft. 55 sq.ft.)				
D: D: Other:	1	1	23	23
First Floor (Common Space Types:Classroom/Lecture/Training 6348 sq.ft.)				
C: C: Other:	1	36	37	1328
CV: CV: Other:	1	18	20	360

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
First Floor (Common Space Types:Storage >=1000 sq.ft. 1661 sq.ft.)				
B: B: Other:	1	16	31	496
First Floor (Common Space Types:Corridor/Transition >=8 ft wide 303 sq.ft.)				
B: B: Other:	1	2	31	62
			Total Proposed Watts =	4974

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.0.6.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

ALLEN T. SASSER — Name - Title
Allen T. Sasser — Signature
05/18/2017 — Date

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Auburn University, AL 36849
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Fax: (334) 844-9458

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No.	Revision	Date
-	-	-

ALABAMA REGISTERED PROFESSIONAL ENGINEER CHARLES E. CONWAY
PE# 20753 06/14/2017

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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
COMCHECK - ELECTRICAL

DRAWN BY: ATS
CHECKED BY: CC
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: E5.1

TRANSFORMER SCHEDULE

	KVA SIZE	PRIMARY & SECONDARY VOLTAGE	ENCLOSURE	REMARKS
T	750 KVA	7,2/12,47 KV 277/480V 3Ø 4W Y-Y	PADMOUNT	50E S&C SMZ-4-STD FUSE

NOTES:
1. AU FACILITIES DISTRIBUTION DEPARTMENT TO FURNISH T, AND INSTALL AND MAKE ALL CONNECTIONS TO T. (THIS TRANSFORMER PROVIDES SERVICE TO DUDLEY HALL)
2. CONCRETE PAD BY CONTRACTOR.
3. MAINTAIN 5' CLEARANCE TO BACK AND BOTH SIDES AND 10' CLEARANCE TO FRONT OF TRANSFORMER FROM BRICK WALLS OR ENCLOSURES.
4. CLOSEST SIDE OF TRANSFORMER MUST BE 20' FROM NON-FIRE RESISTANT BUILDING WALLS. IT CAN BE AS CLOSE AS 5' WHEN WALLS ARE CONSTRUCTED WITH FIRE RESISTANT MATERIALS.

ELECTRICAL SYMBOLS

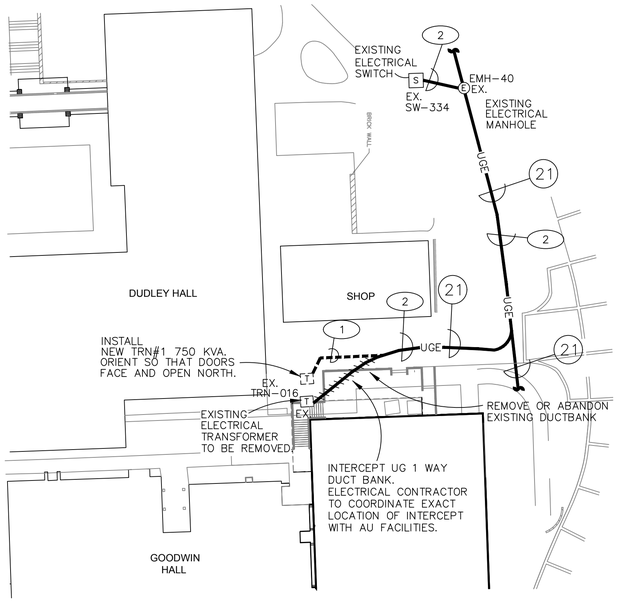
- UGE — EXISTING UNDERGROUND ELECTRIC DUCTBANK TO REMAIN
- NEW UNDERGROUND ELECTRIC DUCTBANK TO BE INSTALLED
- EXISTING UNDERGROUND ELECTRIC DUCTBANK TO BE REMOVED OR ABANDONED
- [S] EX. — EXISTING PADMOUNT SWITCH TO REMAIN
- [T] EX. — EXISTING 1500 KVA PADMOUNT TRANSFORMER TO BE REMOVED
- [T] — NEW 750 KVA PADMOUNT TRANSFORMER TO BE INSTALLED
- (E) EX. — EXISTING ELECTRIC MANHOLE TO REMAIN
- EMH — ELECTRICAL MAN HOLE
- (21) — AU ELECTRICAL CIRCUIT NUMBER

SITE PLAN - CIRCUIT SCHEDULE

(1) INSTALL ONE (1) RUN OF 3 #2 CU 15KV UG CABLE AND 1 #2 CU THWN NEUTRAL IN NEW CONCRETE ENCASED DUCT BANK – 1 WAY – 4" PVC.

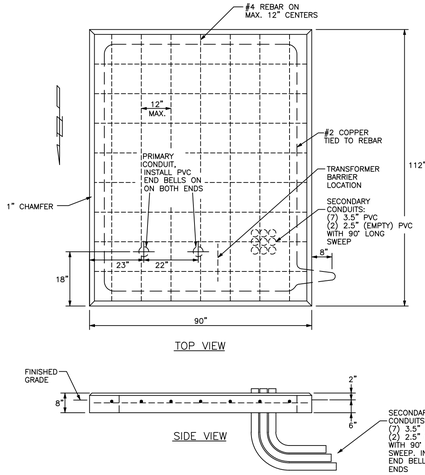
(2) INSTALL ONE (1) RUN OF 3 #2 CU 15KV UG CABLE AND 1 #2 CU THWN NEUTRAL IN EXISTING CONDUIT.

NOTES:
1. PRIMARY CABLE SHALL BE FURNISHED AND INSTALLED BY A.U. FACILITIES DISTRIBUTION DEPARTMENT.
2. CONCRETE ENCASED DUCT BANKS BY ELECTRICAL CONTRACTOR.
3. A.U. FACILITIES DISTRIBUTION DEPARTMENT TO MAKE ALL CONNECTIONS TO PRIMARY CABLES.



ELECTRICAL SITE PLAN - PRIMARY POWER

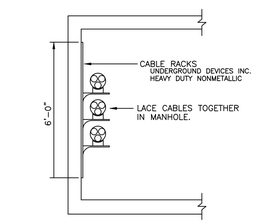
SCALE: 1"=30'



PAD DETAIL - PADMOUNT TRANSFORMER

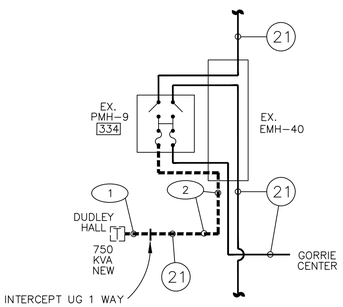
N.T.S.

NOTES:
1. PAD DIMENSIONS ARE APPROXIMATE, ALL DIMENSIONS SHALL BE VERIFIED WITH OWNER FURNISHED EQUIPMENT. APPROXIMATELY 6" CLEARANCE ON ALL SIDES OF TRANSFORMER FROM EDGE OF PAD TO TRANSFORMER UNIT.
2. PAD BY ELECTRICAL CONTRACTOR.



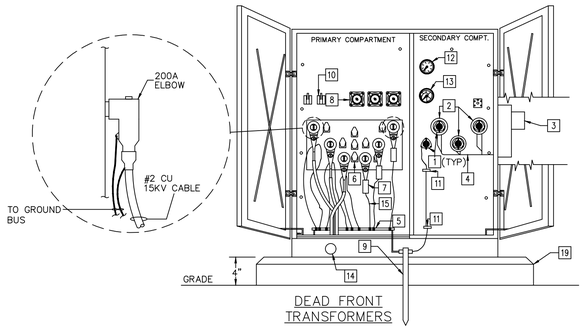
DETAIL: CABLE RACK INSTALLATION

N.T.S.
NOTE: VERIFY NUMBER OF RACKS IN EXISTING MANHOLES. PROVIDE AS NEEDED.



ELECTRICAL SINGLE-LINE DIAGRAM

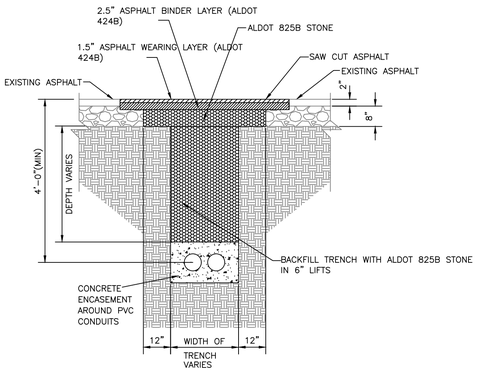
N.T.S.



DETAIL: PADMOUNT TRANSFORMER

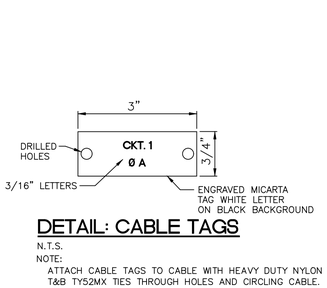
N.T.S.

NOTES:
1. SECONDARY SPADES.
2. METERING-CURRENT TRANSFORMERS SECURED TO SECONDARY SPADES. BY OWNER
3. KW/KWH METER IN WEATHER PROOF METER SOCKET WITH SHUNT BLOCKS. BY OWNER
4. METERING WIRING SHALL BE NEATLY LACED & SECURED TO TRANSFORMER CASE. BY OWNER
5. GROUNDING BUS
6. LOAD BREAK ELBOW PARKING STANDS.
7. 9KV, MOV LIGHTNING ARRESTER/LOAD BREAK ELBOW.
8. PRIMARY FUSING.
9. TRANSFORMER GROUND ROD – 3/4" X 10'-0".
10. PRIMARY TAP CHANGER.
11. GROUND PAD.
12. OIL COVER GAUGE.
13. THERMOMETER-DIM.TYPE.
14. OIL DRAIN.
15. GROUND WIRE.
16. NEW PRIMARY CABLE
17. EXISTING PRIMARY SPADE LUGS.
18. NEW 9KV, MOV LIGHTNING ARRESTER MOUNTED ON FIBERGLASS RACK IN PRIMARY COMPARTMENT.
19. CONCRETE PAD, 8" THICK, 2" ABOVE GRADE WITH TWO(2) LAYERS #4 REBAR ON MAX. 12" CENTERS



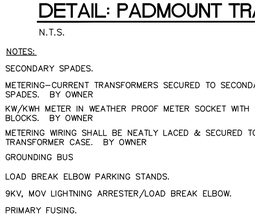
DETAIL: ASPHALT PATCH AT STREET CUT

N.T.S. (TYPICAL)



DETAIL: CABLE TAGS

N.T.S.
NOTE:
ATTACH CABLE TAGS TO CABLE WITH HEAVY DUTY NYLON TIE WRAP. T&B TY52MX TIES THROUGH HOLES AND CIRCLING CABLE.

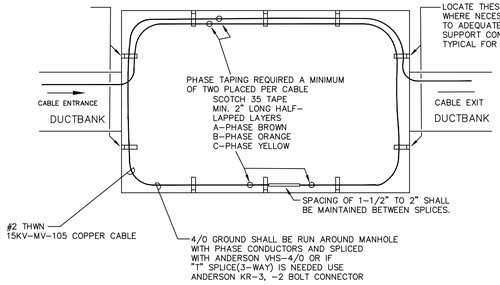


DUCT SECTION - 1 WAY

N.T.S. (1 POWER)

POWER DUCT SECTIONS

N.T.S.
NOTES:
1. DUCT BANK SHALL HAVE MINIMUM 2' CLEARANCE AROUND DUCT BANK; AND BACKFILL OF NOT MORE THAN 12" SAND, THE REMAINDER IN CLAY.
2. THIS CONTRACTOR SHALL PROVIDE A PROTECTIVE BARRIER BENEATH ANY WATER PIPING. EXTEND 10' EITHER SIDE.
3. THIS CONTRACTOR SHALL VERIFY ALL UTILITY DEPTHS PRIOR TO DUCT BANK CONSTRUCTION.
4. DUCT BANK FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.



DETAIL - CABLE INSTALLATION AT MANHOLES

N.T.S.

NOTES
1. ALL PRIMARY NEUTRALS OR GROUNDS OF SAME CIRCUIT SHALL BE BONDED TOGETHER IN MANHOLE WITH SAME SIZE CONDUCTOR [ALL COMPRESSION SLEEVES ANDERSON VHS (LONG BARREL) TWO CRIMPS PER WIRE FOR A TOTAL OF FOUR CRIMPS PER SLEEVE.] OR "T" CONNECTIONS (3-WAY) SHALL BE ANDERSON KR SERIES 2-BOLT CONNECTORS.
2. CONDUCTORS SHALL BE TIED DOWN AT EACH ARM WITH T&B TY527MX OR WHERE CABLES ARE BUNDLED TOGETHER, A T&B TY5277MX SHALL BE USED.
3. A.U. FACILITIES DISTRIBUTION DEPARTMENT TO FURNISH AND INSTALL ALL SPLICES IN MANHOLES.
4. INSTALL PHASE TAPE AT EVERY CABLE ENTERING MANHOLE, SCOTCH 35 PHASE TAPE WITHIN 12" OF ENTRANCE AND WITHIN 12" ON EITHER SIDE OF SPLICE. PLACE TAPE HALFWAY ON LONG RUNS.
5. PRIMARY CABLE FURNISHED AND INSTALLED BY A.U. FACILITIES.

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No.	Revision	Date
-	-	-

ALABAMA LICENSED No. 19817 PROFESSIONAL ENGINEER JEFFREY LANCE LANIER 6-12-17

STEWART ENGINEERING
Electrical Consultants
P.O. Box 2233 (36202)
300 East 7th Street (36207)
Anniston, Alabama
Phone: 256/237-0891
Fax No.: 256/237-1077
Email: services@stewartengineering.org

GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

PRIMARY SITE PLAN

DRAWN BY: SEC
CHECKED BY: JLJ
DATE: 6-14-2017
FILE NUMBER: C1775-1
PROJECT NUMBER: 15-255
SHEET NUMBER: EP.1
-- of --

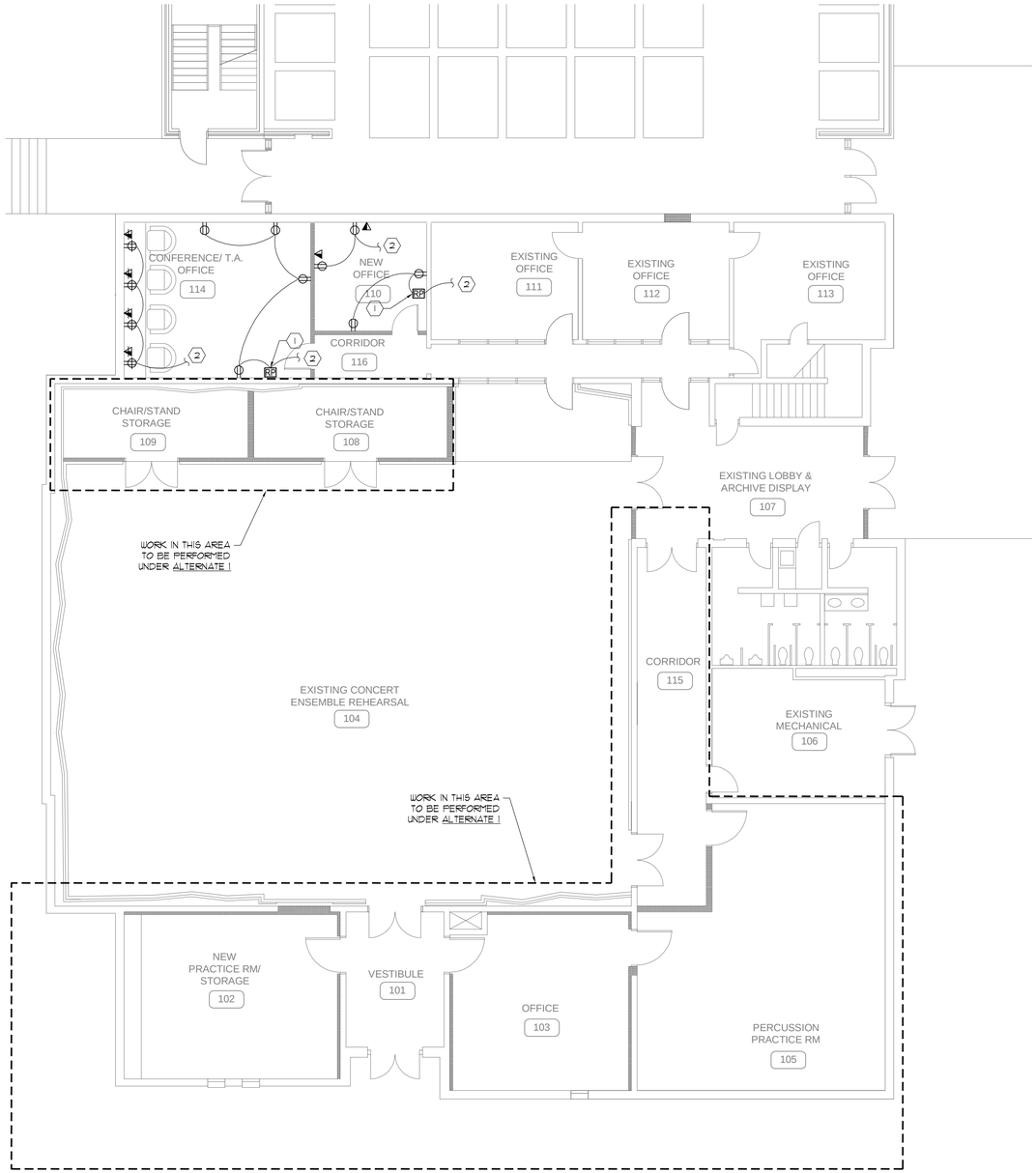
GENERAL NOTES: (APPLY TO THIS SHEET ONLY)

1. LABEL PANELBOARD SCHEDULES PER NEC 408.4. CONTRACTOR SHALL IDENTIFY ALL SPARE BREAKERS AND MOVE THEM TO THE "OFF" POSITION.
2. ALL BRANCH CIRCUITS SHALL BE WIRED ¾"C, 2-#12, 1-#12G MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM ¾" CONDUIT. PROVIDE ADDITIONAL GROUND OF EQUAL SIZE FOR ISOLATED GROUND CIRCUITS.

KEY NOTES (APPLY TO THIS SHEET ONLY)

(1) RECEPTACLE PACK CONTROLLER. SEE SHEET ER3.1 FOR CONTINUATION.

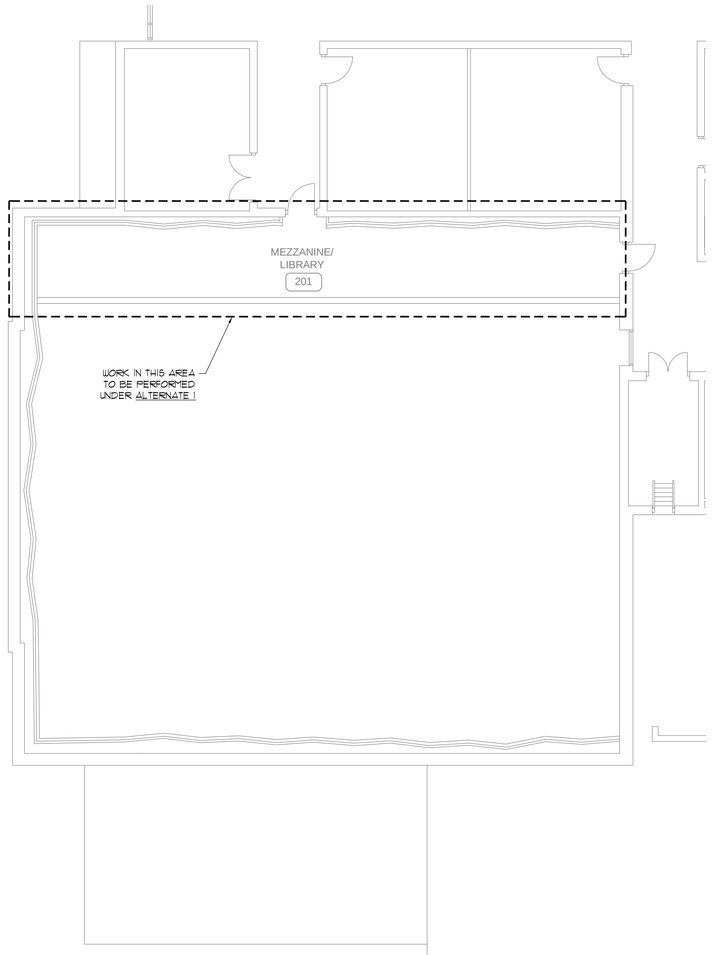
(2) CONNECT TO EXISTING SPARE RECEPTACLE CIRCUIT MADE AVAILABLE BY DEMOLITION. PROVIDE NEW CIRCUIT AS REQUIRED. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.



1 PARTIAL EXISTING FIRST FLOOR PLAN - ELECTRICAL

SCALE: 1/8" = 1'-0"

NORTH



2 PARTIAL EXISTING SECOND FLOOR PLAN - ELECTRICAL

SCALE: 1/8" = 1'-0"

NORTH

AUBURN
UNIVERSITY
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Auburn University, AL 36849
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No.	Revision	Date
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ALABAMA REGISTERED PROFESSIONAL ENGINEER CHARLES E. CONWAY

PE# 20733 06/14/2017

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1100 South College Street, Suite 203
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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
RENOVATION FLOOR PLANS - ELECTRICAL

DRAWN BY: ATS
CHECKED BY: CC
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: ER3.0

GENERAL NOTES: (APPLY TO THIS SHEET ONLY)

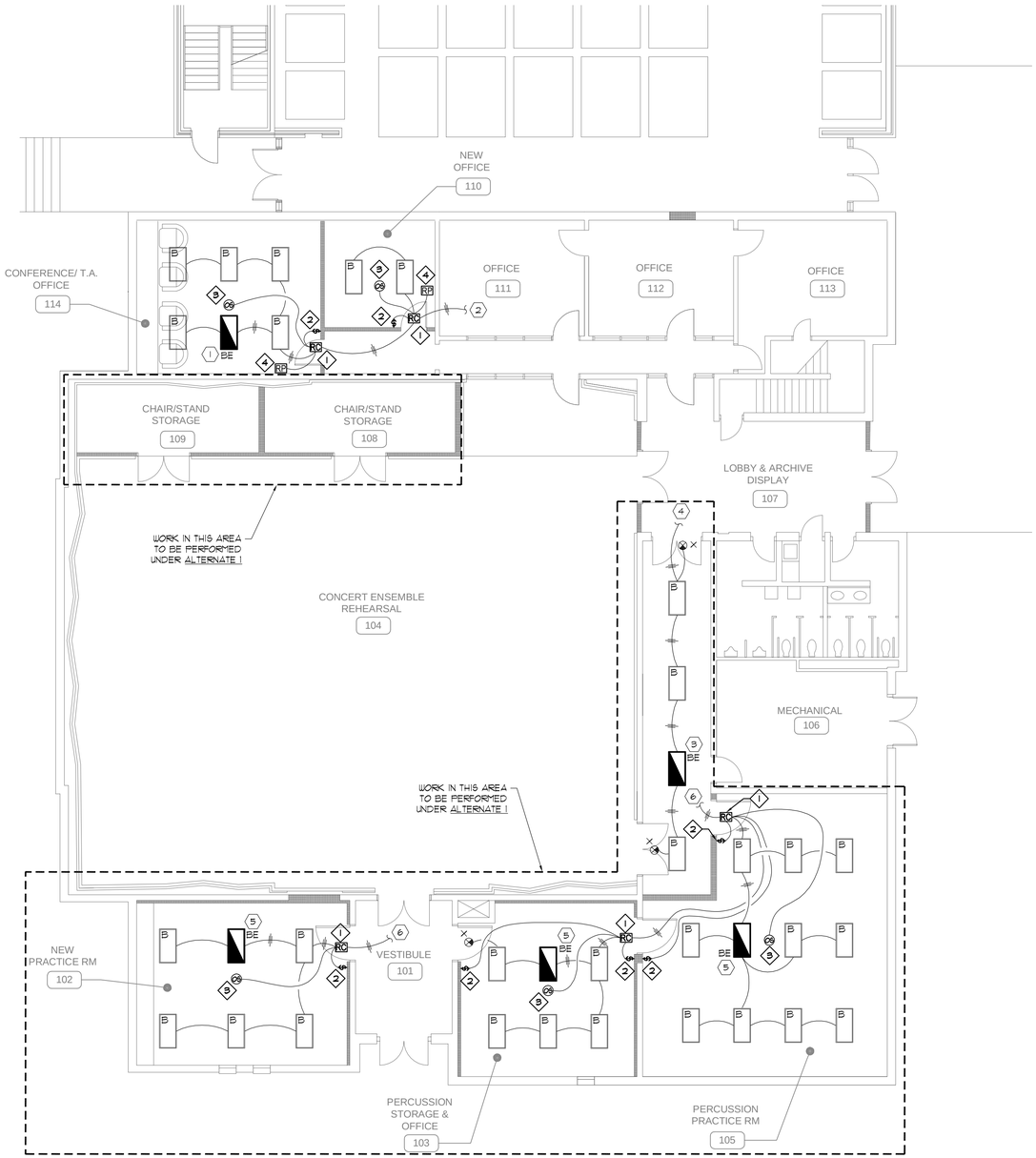
1. LABEL PANELBOARD SCHEDULES PER NEC 408.4. CONTRACTOR SHALL IDENTIFY ALL SPARE BREAKERS AND MOVE THEM TO THE "OFF" POSITION.
2. ALL BRANCH CIRCUITS SHALL BE WIRED ¾"C, 2-#12, 1-#12G MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM ¾" CONDUIT. PROVIDE ADDITIONAL GROUND OF EQUAL SIZE FOR ISOLATED GROUND CIRCUITS.

LIGHTING CONTROL KEY NOTES (APPLY TO THIS SHEET ONLY)

1. ROOM CONTROLLER WITH 0-10V DIMMING OUTPUTS, WATTSTOPPER #LMRC-213 OR APPROVED EQUIVALENT
2. THREE BUTTON LOW VOLTAGE ROOM CONTROLLER SWITCH, WATTSTOPPER #LMSW-103 OR APPROVED EQUIVALENT, BUTTONS AS FOLLOUS:
   - RAISE ALL
   - LOWER ALL
   - ALL TOGGLE ON/OFF
3. LOW VOLTAGE CEILING-MOUNTED DUAL TECHNOLOGY VACANCY SENSOR WATTSTOPPER #LMDC-100 OR APPROVED EQUIVALENT
4. RECEPTACLE LOAD CONTROLLER, WATTSTOPPER #LMPL-101 OR APPROVED EQUIVALENT. SEE SHEET ER3.0 FOR CONTINUATION

KEY NOTES (APPLY TO THIS SHEET ONLY)

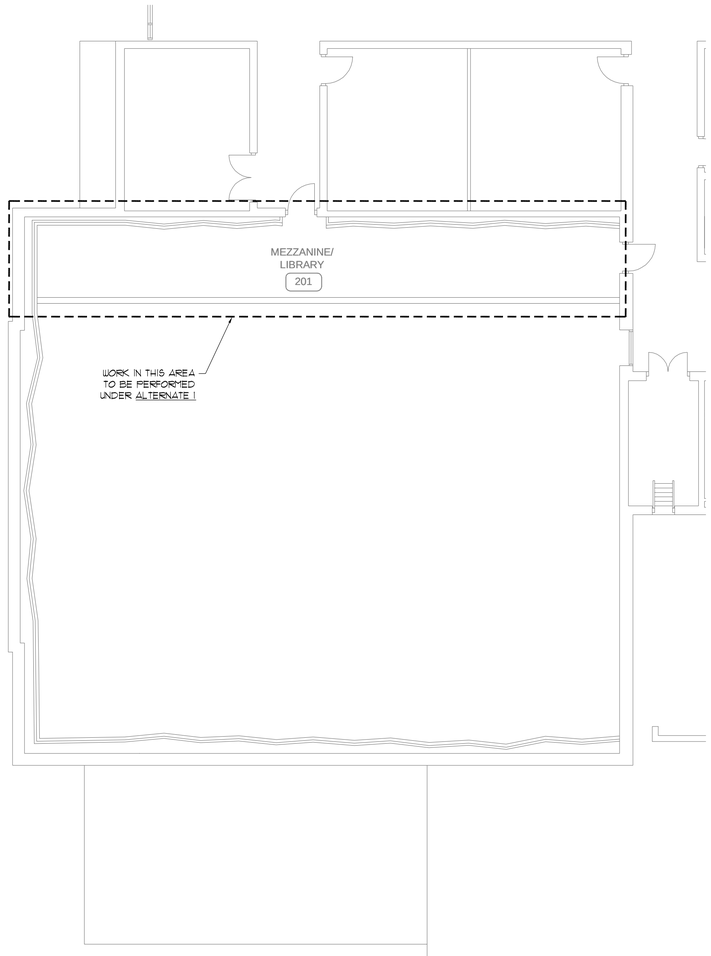
1. EMERGENCY EGRESS LIGHTING FIXTURE. CONNECT TO SWITCHED 'HOT' FOR NORMAL OPERATION AND CONNECT UN-SWITCHED 'HOT' TO THE BATTERY PACK IN FIXTURE FOR CHARGING SO THAT IN THE EVENT POWER IS LOST, FIXTURE WILL TURN ON FOR EMERGENCY EGRESS LIGHTING.
2. CONNECT TO NEAREST OFFICE LIGHTING CIRCUIT WITH LOCAL OCCUPANCY SENSOR CONTROLS. ROUTE WITH UN-SWITCHED 'HOT' FOR EMERGENCY BATTERY PACK FIXTURES.
3. ALTERNATE 1: EMERGENCY NIGHTLIGHT FIXTURE. CONTRACTOR SHALL CONNECT TO UN-SWITCHED 'HOT' IN LIGHTING CIRCUIT.
4. ALTERNATE 1: CONNECT EXISTING CORRIDOR LIGHTING CIRCUIT AND CONTROL SERVING THE AREA. ROUTE WITH UN-SWITCHED 'HOT' FOR EMERGENCY BATTERY PACK FIXTURES.
5. ALTERNATE 1: EMERGENCY EGRESS LIGHTING FIXTURE, CONNECT TO SWITCHED 'HOT' FOR NORMAL OPERATION AND CONNECT UN-SWITCHED 'HOT' TO THE BATTERY PACK IN FIXTURE FOR CHARGING SO THAT IN THE EVENT POWER IS LOST, FIXTURE WILL TURN ON FOR EMERGENCY EGRESS LIGHTING.
6. ALTERNATE 1: CONNECT TO NEAREST LIGHTING CIRCUIT WITH LOCAL OCCUPANCY SENSOR CONTROLS. ROUTE WITH UN-SWITCHED 'HOT' FOR EMERGENCY BATTERY PACK FIXTURES.



1 PARTIAL EXISTING FIRST FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

NORTH



2 PARTIAL EXISTING SECOND FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

NORTH

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No.	Revision	Date
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ALABAMA REGISTERED PROFESSIONAL ENGINEER CHARLES E. CONWAY

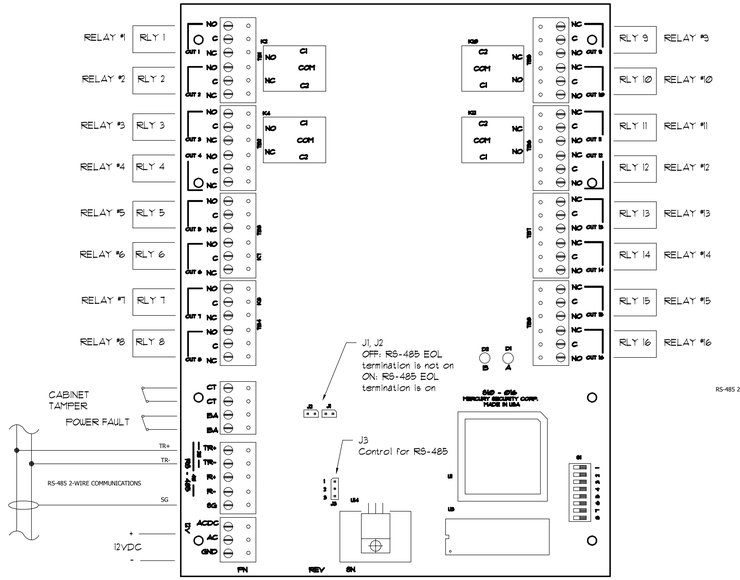
PE# 20753 06/14/2017

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GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

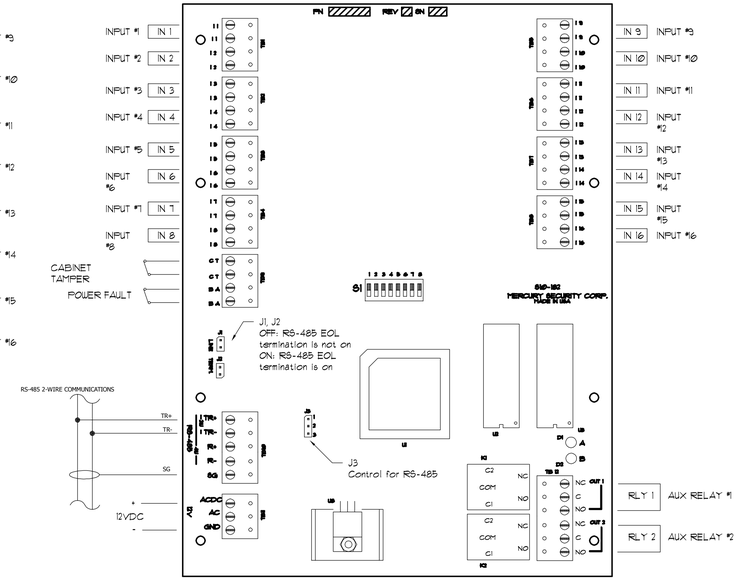
SHEET TITLE:
RENOVATION FLOOR PLANS - LIGHTING

DRAWN BY: ATS
CHECKED BY: CC
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: ER3.1



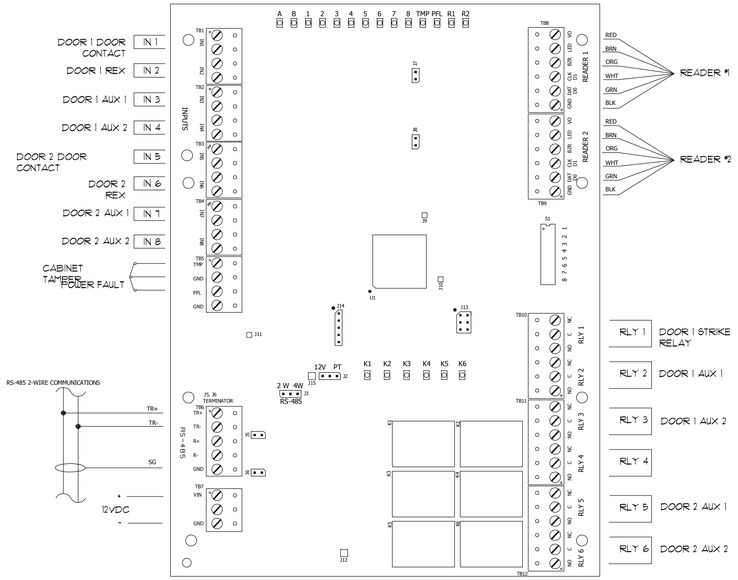
1 LNL-1200 WIRING DIAGRAM (TYPICAL)

SCALE: NOT TO SCALE



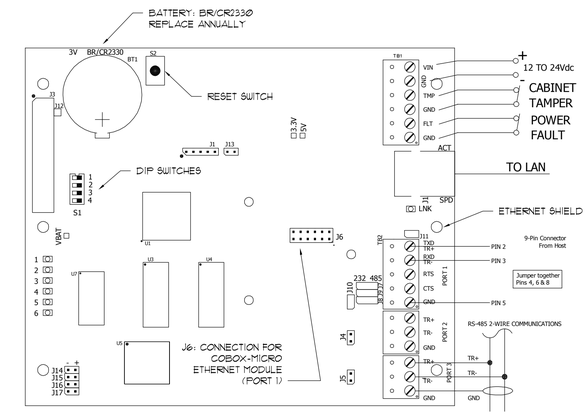
2 LNL-1100 WIRING DIAGRAM (TYPICAL)

SCALE: NOT TO SCALE



3 LNL-1320 WIRING DIAGRAM (TYPICAL)

SCALE: NOT TO SCALE



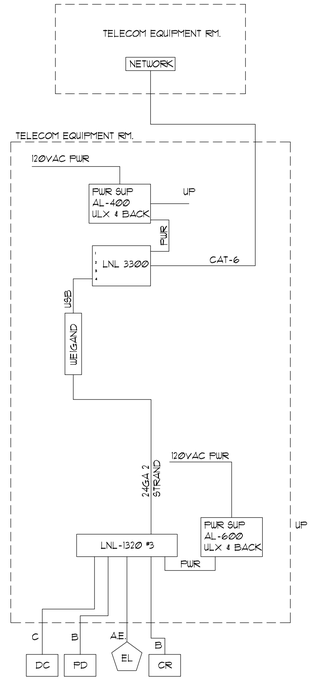
4 LNL-3300 WIRING DIAGRAM (TYPICAL)

SCALE: NOT TO SCALE

ACCESS CONTROL DEVICE LEGEND		
SYMBOL:	DESCRIPTION:	MANUFACTURER / PART NUMBER
ADA	ADA DOOR ACTUATOR	WIKK "INGRESS"R 1-36-5 X WALL MT 30458 COORDINATE WITH ARCHITECTURAL SPECIFICATIONS (DIVISION 08)
CR	CARD READER	LENEL "LNL-2010W (EXTERIOR CONDITIONS) LENEL "LNL-2010 / 2010 SERIES (INTERIOR CONDITIONS)
CRK	CARD READER	LENEL "LNL-2010W - CARD READER WITH KEYPAD
DC	DOOR CONTACT	SENTROL "1076 SERIES
EL	ELECTRIFIED LOCKSET	BEST "IDH MAX SERIES COORDINATE WITH ARCHITECTURAL SPECIFICATIONS (DIVISION 08)
OHD	DOOR CONTACT	OVERHEAD DOOR CONTACT - SENTROL - 1076 SERIES
PD	PANIC DEVICE	VON DUPRIN - EL RX 98/99 SERIES RIM "EL-RX98-RQ5 (SEE SCHED. FOR REX) POWER SUPPLY - "PS-914 COORDINATE WITH ARCHITECTURAL SPECIFICATIONS (DIVISION 08)
PO	POWER OPERATOR	LCN CLOSERS "LCN-4642 COORDINATE WITH ARCHITECTURAL SPECIFICATIONS (DIVISION 08)
PR	PROXIMITY READER	ALLEGION "MTII
PT	ELECTRONIC POWER TRANSFER	ALLEGION "EPT-10
RX	REX / PIR	SDC - MD-31D

CABLE LEGEND			
CABLE	BELDEN	WEST PENN	DESCRIPTION
A	5302FE	3151	18 AWG, 2 PR, TW / SHIELDED
B	5504FY	3270	22 AWG, 6 CONDUCTOR SHIELDED
C	5500FE	291	22 AWG, 1 PR, TW / SHIELDED
D	9844	D2404	22 AWG, 4 PR, TW / SHIELDED, DATA GRADE
E	5300FE	294	16 AWG, 1 PR, TW / SHIELDED

10M CABLING SCHEDULE	
AWG (STRANDED WIRE)	MAXIMUM LENGTH ALLOWED
22	15 FT
20	24 FT
18	38 FT
16	60 FT
14	98 FT
12	154 FT



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No.	Revision	Date
-	-	-

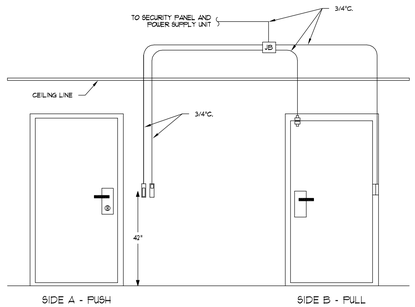
ALABAMA REGISTERED PROFESSIONAL ENGINEER CHARLES E. CONWAY
PE# 20753 06/14/2017

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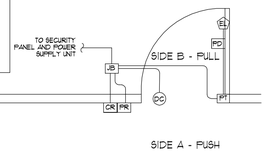
GOODWIN HALL - RENOVATION AND BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
DETAILS AND NOTES - SECURITY

DRAWN BY: ATS
CHECKED BY: CC
DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: ES0.1

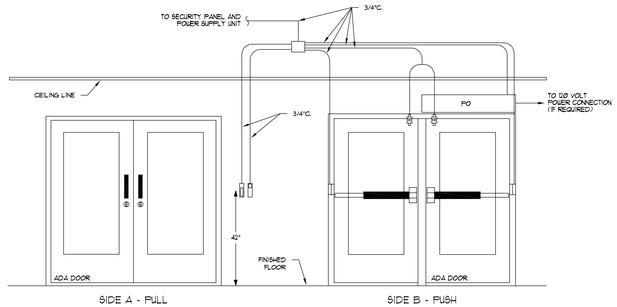


DC - DOOR CONTACTS
PT - POWER TRANSFER
PD - PANIC DEVICE
EL - ELECTRIC LATCH
CR - CARD READER
PR - PROXIMITY READER
JB - JUNCTION BOX
PO - POWER OPERATOR

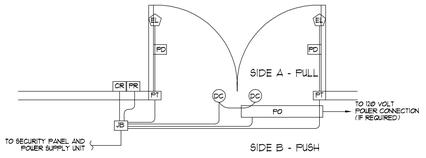


3 DETAIL - DOOR TYPE 3

SCALE: NOT TO SCALE

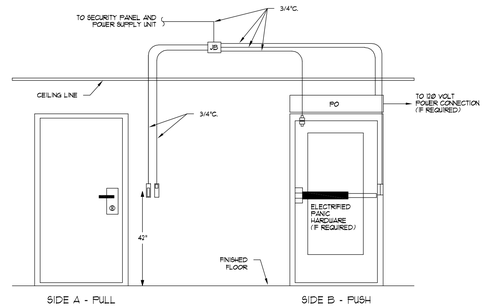


DC - DOOR CONTACTS
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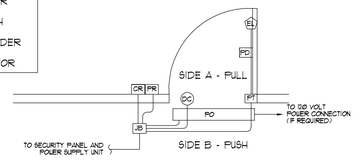


2 DETAIL - DOOR TYPE 2

SCALE: NOT TO SCALE



DC - DOOR CONTACTS
PT - POWER TRANSFER
PD - PANIC DEVICE
EL - ELECTRIC LATCH
CR - CARD READER
PR - PROXIMITY READER
JB - JUNCTION BOX
PO - POWER OPERATOR



1 DETAIL - DOOR TYPE 1

SCALE: NOT TO SCALE

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GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
DOOR DETAILS - SECURITY

DRAWN BY:
ATS

CHECKED BY:
CC

DATE:
6-14-2017

FILE NUMBER:
-

PROJECT NUMBER:
15-255

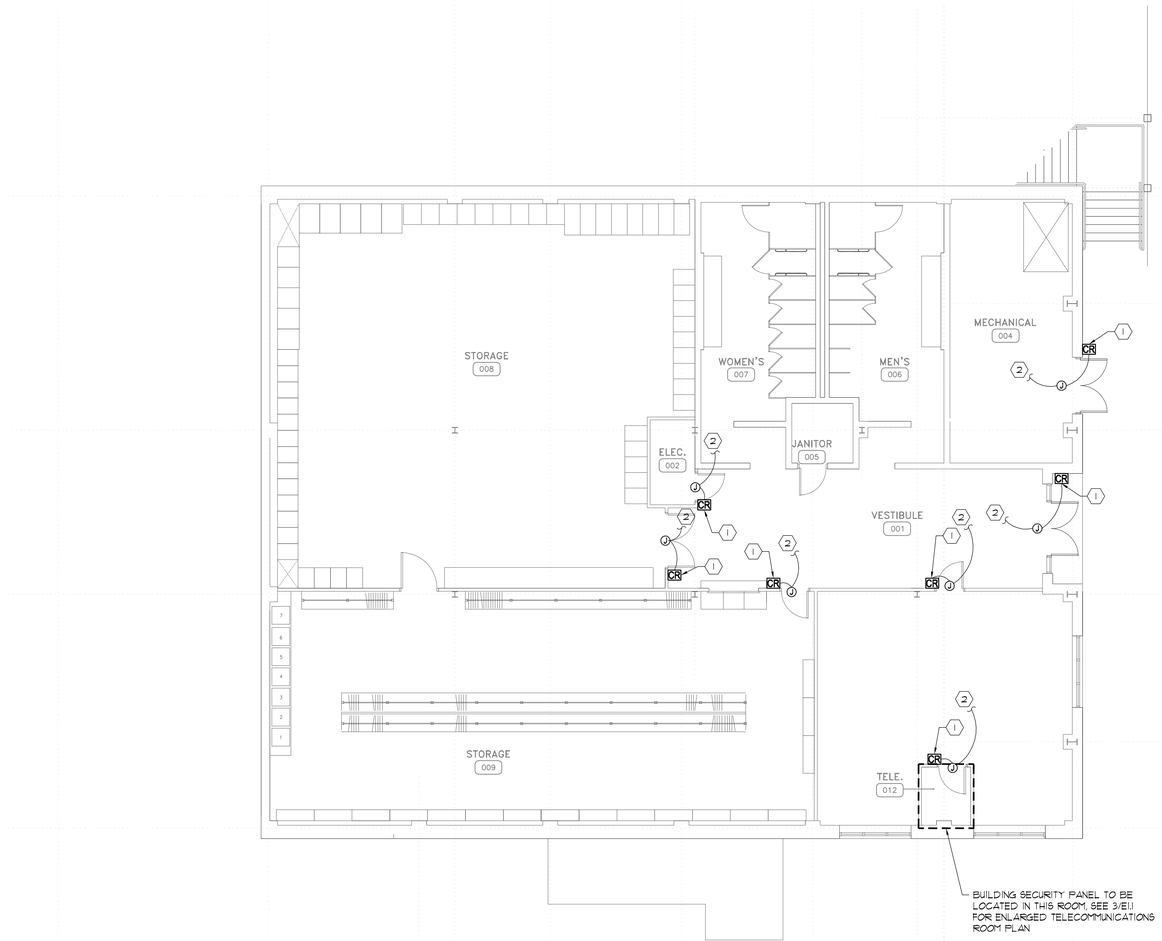
SHEET NUMBER:
ES0.2

GENERAL NOTES: (APPLY TO THIS SHEET ONLY)

1. COORDINATE THE EXACT LOCATION OF ALL DEVICES (RECEPTACLES, LOW VOLTAGE, FIRE ALARM, ETC.) WITH ARCHITECT PRIOR TO ROUGH-IN IN ORDER TO COORDINATE WITH CASEWORK AND OTHER ITEMS.
2. LABEL PANELBOARD SCHEDULES PER NEC 408.4. CONTRACTOR SHALL IDENTIFY ALL SPARE BREAKERS AND MOVE THEM TO THE "OFF" POSITION.
3. DO NOT MOUNT OUTLETS BACK TO BACK, OFFSET TO NEXT STUD SPACE.
4. ALL BRANCH CIRCUITS SHALL BE WIRED ¾"C, 2-#12, 1-#12G MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM ¾" CONDUIT. PROVIDE ADDITIONAL GROUND OF EQUAL SIZE FOR ISOLATED GROUND CIRCUITS.
5. WHERE ELECTRONIC DOOR HARDWARE IS INSTALLED, COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN. CONTRACTOR SHALL PROVIDE RELAY AND ASSOCIATED WIRING TO CONNECT ELECTRONIC DOOR HARDWARE INTO FIRE ALARM SYSTEM SO THAT UPON ACTIVATION OF THE FIRE ALARM SYSTEM, DOOR LOCKS WILL RELEASE FOR EMERGENCY EGRESS.

KEY NOTES (APPLY TO THIS SHEET ONLY)

1. PROVIDE AND INSTALL 1" CONDUIT FOR CONNECTION TO CARD READER FOR CONTROLLED ACCESS. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. CONTRACTOR SHALL TIE ELECTRONIC DOOR HARDWARE INTO THE FIRE ALARM SYSTEM SO THAT DOORS RELEASE UPON ACTIVATION OF THE FIRE ALARM SYSTEM FOR EMERGENCY EGRESS.
2. PROVIDE AND INSTALL ¾" CONDUIT TO NEW BUILDING SECURITY PANEL.



A B C D E F G G.8 H J

1 NEW BUILDING LOWER FLOOR PLAN - SECURITY

SCALE: 1/8" = 1'-0"

NORTH

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GOODWIN HALL - RENOVATION
AND
BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
LOWER FLOOR PLAN - SECURITY

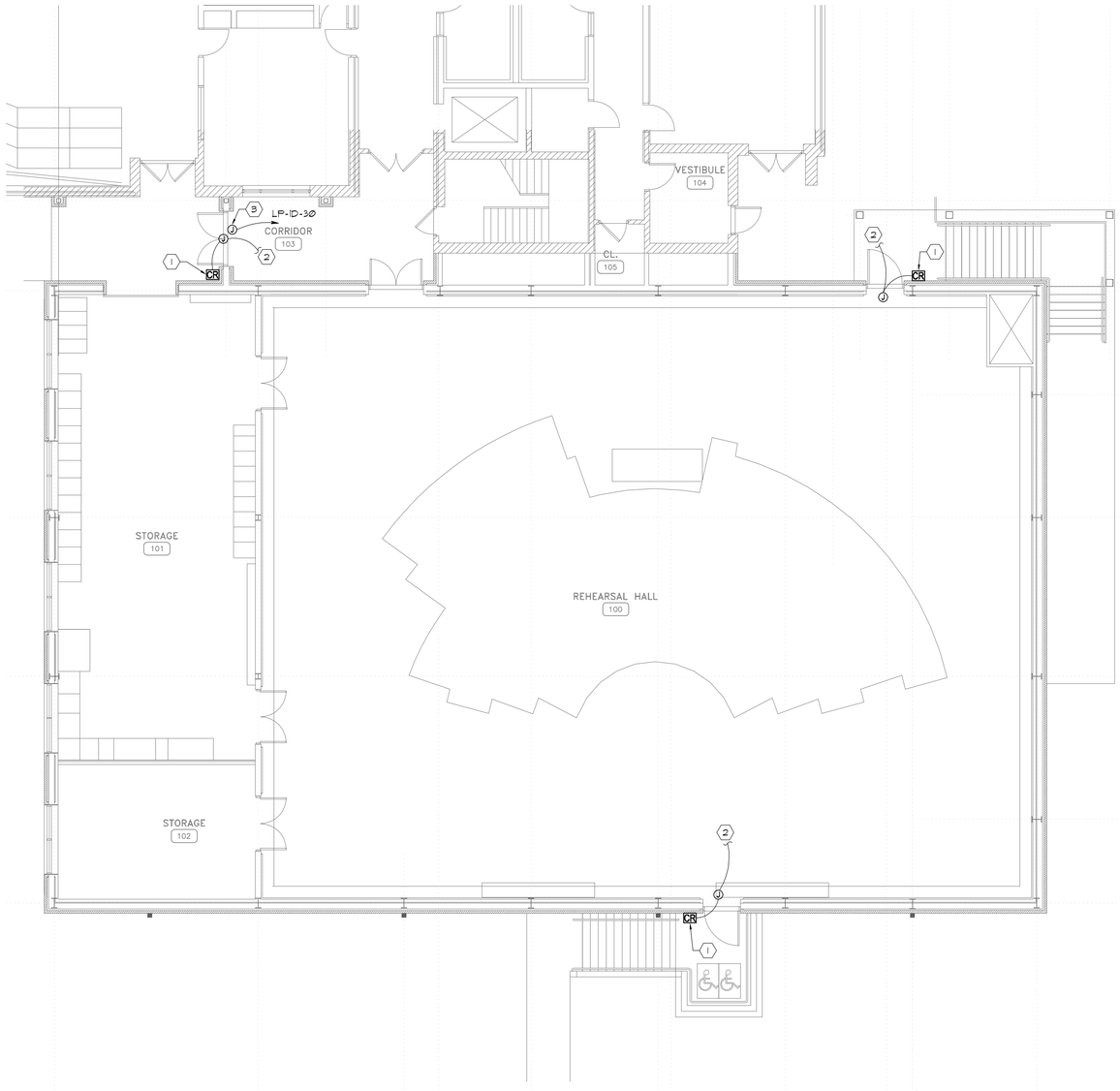
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DATE: 6-14-2017
FILE NUMBER: -
PROJECT NUMBER: 15-255
SHEET NUMBER: ES1.1

GENERAL NOTES: (APPLY TO THIS SHEET ONLY)

1. COORDINATE EXACT LOCATION OF ALL DEVICES WITH CASEWORK AND WALL TYPES WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE ELECTRICAL BOX EXTENDERS AS REQUIRED.
2. LABEL PANELBOARD SCHEDULES PER NEC 408.4. CONTRACTOR SHALL IDENTIFY ALL SPARE BREAKERS AND MOVE THEM TO THE "OFF" POSITION.
3. DO NOT MOUNT OUTLETS BACK TO BACK, OFFSET TO NEXT STUD SPACE.
4. ALL BRANCH CIRCUITS SHALL BE WIRED ¾"C, 2-#12, 1-#12G MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM ¾" CONDUIT. PROVIDE ADDITIONAL GROUND OF EQUAL SIZE FOR ISOLATED GROUND CIRCUITS.
5. WHERE ELECTRONIC DOOR HARDWARE IS INSTALLED, COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN. CONTRACTOR SHALL PROVIDE RELAY AND ASSOCIATED WIRING TO CONNECT ELECTRONIC DOOR HARDWARE INTO FIRE ALARM SYSTEM SO THAT UPON ACTIVATION OF THE FIRE ALARM SYSTEM, DOOR LOCKS WILL RELEASE FOR EMERGENCY EGRESS.

KEY NOTES (APPLY TO THIS SHEET ONLY)

1. PROVIDE AND INSTALL 1" CONDUIT FOR CONNECTION TO CARD READER FOR CONTROLLED ACCESS. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. CONTRACTOR SHALL TIE ELECTRONIC DOOR HARDWARE INTO THE FIRE ALARM SYSTEM SO THAT DOORS RELEASE UPON ACTIVATION OF THE FIRE ALARM SYSTEM FOR EMERGENCY EGRESS.
2. PROVIDE AND INSTALL ¾" CONDUIT WITH PULL-STRING TO NEW BUILDING SECURITY PANEL IN LOWER LEVEL ELECTRICAL ROOM.
3. PROVIDE POWER FOR DOOR OPERATOR. COORDINATE EXACT CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.



NORTH

FIRST FLOOR PLAN - SECURITY

SCALE: 1/8" = 1'-0"

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GOODWIN HALL - RENOVATION
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BAND REHEARSAL HALL ADDITION
Project Number 15-255

SHEET TITLE:
FIRST FLOOR PLAN - SECURITY

DRAWN BY: ATS
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PROJECT NUMBER: 15-255
SHEET NUMBER: ES1.2