RENOVATIONS OF THE
GA. SECRETARY OF STATE OFFICE BUILDING
237 COLISEUM DRIVE MACON, GEORGIA

INDEX OF SHEETS

TOTAL NUMBER OF SHEETS = 21

CONSULTING ENGINEERS

CIVIL

REEVES DESIGN
MACON, GEORGIA

PLUMBING & ELECTRICAL

NOTTINGHAM, BROOK & PENNINGTON, P.C.
MACON, GEORGIA

ARCHITECTS | PLANNERS
609 Cherry Street
Macon, GA 31201
478.742.1208
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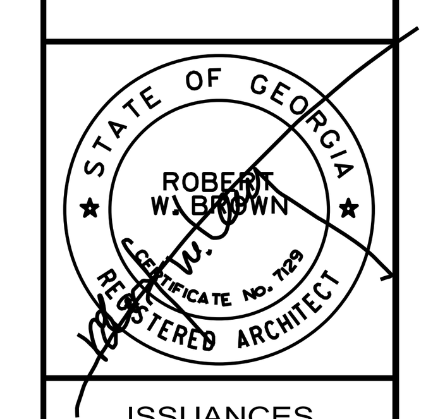
RENOVATIONS OF THE
GA. SEC. OF STATE
OFFICE BLDG.
237 COLISEUM DRIVE MACON, GEORGIA



ISSUANCES

2-22-16	EXISTING CONDITIONS
3-14-16	SCHEMATIC DESIGN
4-22-16	SCHEMATIC DESIGN
5-26-16	BID DRAWINGS

15-030

COVER SHEET

G1.1

F:\PROJECTS\15-030 GA Sec of State Office\Working Drawings\15-030 G1.1Cover Sheet.dgn
5/27/2016

RENOVATIONS OF THE GA. SEC. OF STATE OFFICE BLDG.

FOR

GEORGIA SECRETARY OF STATE

MAY 2016

GEORGIA811 Utilities Protection Center, Inc. Know what's below. Call before you dig.

PHYSICAL SITE ADDRESS: 237 COLISEUM DRIVE, MACON, GEORGIA

PROJECT NARRATIVE

GENERAL:

1. BTBB, INC. IS ASSISTING THE GEORGIA SECRETARY OF STATE WITH INTERIOR AND EXTERIOR MODIFICATIONS TO THE PROFESSIONAL LICENSING BOARDS DIVISION OFFICE ALONG COLISEUM DRIVE.
2. THE EXTERIOR MODIFICATIONS INCLUDE THE RELOCATION OF HANDICAP PARKING SPACES WITHIN THE FRONT PARKING LOT (adjacent to Coliseum Drive), PAVEMENT FAILURE REMEDIATION (crack filling), PAVEMENT SEALING AND ASPHALT PAVEMENT REPLACEMENT IN AREAS WITH SIGNIFICANT FAILURES. A NEW PERIMETER FENCE AND ACCESS GATES (vehicle and pedestrian) WILL BE INSTALLED. RESTRIPING OF PARKING LOTS WILL BE PROVIDED AS REQUIRED.
3. THE TRASH DUMPSTER AREA WILL BE RELOCATED AND MODIFIED.
4. THE PROJECT WILL BE CONSTRUCTED UNDER ONE CONSTRUCTION PHASE.
5. NO IMPROVEMENTS TO UTILITIES (above and underground) ARE BEING PROVIDED IN THIS PROJECT. IF UTILITIES ARE IMPACTED AS A RESULT OF THIS PROJECT, THEY WILL BE REINSTALLED OR REPAIRED SO THAT THEY MATCH THE CONDITIONS PRIOR TO CONSTRUCTION (same slope, same pipe size, same alignment, etc.).
6. NO IMPROVEMENTS TO DRAINAGE AREAS WILL BE PROVIDED IN THIS PROJECT.
7. NO SIGNIFICANT LAND DISTURBANCE IS ANTICIPATED. AN INLET SEDIMENT TRAP IS BEING INSTALLED AT AN IMPACTED STORMWATER INLET.

24 HOUR CONTACT

TO BE DETERMINED FOLLOWING
CONTRACTOR SELECTION.

PARKING REQUIREMENTS

- ONE ADDITIONAL HANDICAP PARKING SPACE IS BEING PROVIDED IN THE FRONT PARKING LOT.
- THE OVERALL NUMBER OF PARKING SPACES WILL REMAIN THE SAME IN BOTH THE FRONT AND REAR PARKING LOTS (new compared to existing).

UTILITY INSTALLATION SUMMARY

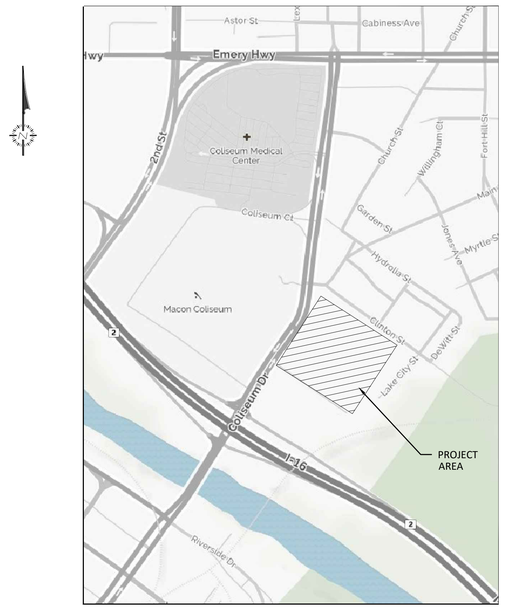
- NO UTILITY IMPROVEMENTS ARE BEING PROVIDED IN THIS PROJECT.

DEVELOPER / OWNER

MACON-BIBB COUNTY URBAN DEVELOPMENT AUTHORITY
200 CHERRY STREET
SUITE 300
MACON, GEORGIA 31201

ATTN: MR. ALEX MORRISON
478.803.2402

VICINITY MAP



ENVIRONMENTAL

WETLANDS: THERE ARE NO JURISDICTIONAL WETLANDS LOCATED ALONG OR WITHIN THE PROJECT CONSTRUCTION LIMITS.

STATE WATERS: THERE ARE NO STATE WATERS LOCATED ON OR WITHIN 200 FEET OF THE PROJECT AREA.

100-YEAR FLOOD PLAIN: BY GRAPHICAL PLOTTING ONLY, THE SUBJECT AREA LIES WITHIN ZONE "X" OF THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP NO. 13021C0151F, DATED APRIL 2, 2007.

LEGEND

	NEW	EXISTING
PROPERTY LINE		
SETBACK LINE		
EXISTING FENCE LINE		
NEW MANHOLE		
NEW FIRE HYDRANT		
NEW CONCRETE PAVEMENT		
NEW STORM SEWER		X" PIPE
NEW SANITARY SEWER	8" CLAY	
SANITARY SERVICE CLEANOUT		
WATER MAIN (Domestic)		6" CI
WATER MAIN (Fire)		
NEW RETAINING WALL		
CONSTRUCTION LIMITS		
DEMOLITION		
CONTOUR	750	750

INDEX TO DRAWINGS

SITE INFORMATION

ZONING:	PDE
TOTAL PROJECT ACREAGE:	±1.40 ACRES
DISTURBED ACREAGE:	±0.41 ACRES
COUNTY:	BIBB
STATE:	GEORGIA

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GEORGIA REGISTERED PROFESSIONAL ENGINEER
NO. 28336
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15–030

COVER

C01

GENERAL CONSTUCTION NOTES

A. THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION ISSUED BY THE ASSOCIATION OF CONTRACTORS OF AMERICA, INC. AND THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION ISSUED BY THE U.S. DEPT OF LABOR.

B. IN EASEMENTS, THE CONTRACTOR SHALL PROTECT AND RESTORE SAID PROPERTY TO A CONDITION SIMILAR OR EQUAL TO THAT EXISTING AT THE COMMENCEMENT OF CONSTRUCTION.

C. THE DRAWINGS INDICATE UTILITIES OR OBSTRUCTIONS THAT ARE KNOWN TO EXIST ACCORDING TO THE BEST INFORMATION AVAILABLE TO THE OWNER. THE CONTRACTOR SHALL CALL THE UTILITIES PROTECTION CENTER (UPC) 1-800-282-7411 AS REQUIRED BY GEORGIA LAW (CODE SECTION 25-9-1 THROUGH 25-9-13) AND ALL UTILITIES, AGENCIES OR DEPARTMENTS THAT OWN AND/OR OPERATE UTILITIES IN THE VICINITY OF THE CONSTRUCTION WORK SITE AT LEAST 72 HOURS (THREE BUSINESS DAYS) PRIOR TO CONSTRUCTION TO VERIFY THE LOCATION OF THE EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATION OF EXISTING UTILITIES, PUBLIC OR PRIVATE, SHOWN HEREON OR NOT SHOWN HEREON.

D. THE CONTRACTOR SHALL NOTIFY OWNERS OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS.

E. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE LOCAL REGULATORY AGENCY STANDARDS AND SPECIFICATIONS.

F. PRIOR TO STARTING CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION OF ANY ITEM SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY OTHER DOCUMENTATION FROM ALL OF THE PERMITTING AND OTHER AUTHORITIES. FAILURE OF THE CONTRACTOR TO FOLLOW THIS PROCEDURE SHALL CAUSE THE CONTRACTOR TO ASSUME FULL RESPONSIBILITY FOR ANY SUBSEQUENT MODIFICATION OF THE WORK MANDATED BY ANY REGULATORY AUTHORITY.

G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL SETBACKS AND OR EASEMENTS BEFORE BEGINNING CONSTRUCTION.

H. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE INSPECTORS, APPLICABLE GOVERNMENT AUTHORITIES, AND UTILITY COMPANIES AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY MACON-BIBB COUNTY REGULATORY AUTHORITIES AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION
- KEITH BRASWELL AT MACON-BIBB COUNTY ENGINEERING (478.621.6660).

I. THE CONTRACTOR SHALL INSTALL AND MAINTAIN FOR THE DURATION OF THE PROJECT ALL NECESSARY BARRICADES, LIGHTS, SIGNS AND TRAFFIC CONTROL DEVICES FOR THE PROTECTION AND SAFETY OF THE PUBLIC. TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS." ALL FLAG MEN, WARNING SIGNS, BARRICADES AND LIGHTS NECESSARY TO CONTROL THE TRAFFIC AND PROTECT THE PUBLIC SHALL BE FURNISHED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

J. THE CONTRACTOR SHALL PROTECT AREAS ADJACENT TO THE PROJECT FROM DAMAGE. ALL DISTURBED AREAS SHALL BE RETURNED TO AN ACCEPTABLE CONDITION.

K. ACCESS TO THE SITE FOR EMERGENCY VEHICLES AND REGULATORY AGENCY INSPECTORS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

L. ELEVATIONS AND HORIZONTAL COORDINATES ARE ASSUMED.

M. EQUIPMENT AND MATERIALS SHALL BE STORED IN AREAS DESIGNATED BY THE OWNER. CONSTRUCTION AND STORAGE AREAS SHALL BE KEPT CLEAN AT ALL TIMES.

DEMOLITION

1.01. GENERAL

A. ALL MATERIAL SHALL BE REMOVED AS NECESSARY FOR CONSTRUCTION, OR IN ANY EVENT, TO A MINIMUM DEPTH OF THREE FEET BELOW FINISHED GRADES AS SHOWN ON THE DRAWINGS.

B. ANY STRUCTURE, OR PART THEREOF, REMAINING BELOW GRADE SHALL BE MECHANICALLY FRACTURED SO THAT SUBSURFACE WATER WILL FREELY PASS THROUGH THE SLAB OR FLOOR OF THE STRUCTURE, AND SO THAT NO VOID WILL REMAIN AFTER BACKFILLING THE WORK SITE TO GRADE AS SHOWN ON THE DRAWINGS.

C. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO OTHER STRUCTURES, AND SHALL BE HELD LIABLE FOR ANY AND ALL REPAIRS, REPLACEMENT OF PARTS OR RENOVATIONS REQUIRED TO RESTORE ANY STRUCTURE, PORTION OF STRUCTURE, EQUIPMENT OR ITEMS, NOT INTENDED FOR DEMOLITION. THE CONTRACTOR SHALL RESTORE ANY DAMAGED FACILITIES TO THEIR CONDITION PRIOR TO DEMOLITION PROVIDED THE DAMAGE WAS RESULT OF THE DEMOLITION. IF THE CONTRACTOR DOES NOT REPAIR ANY SUCH DAMAGE IMMEDIATELY, OR IF THE REPAIRS ARE NOT SUITABLE TO THE OWNER, THE OWNER RESERVES THE RIGHT TO HAVE SUCH REPAIRS MADE BY ANOTHER PARTY AND DEDUCT THE COST OF REQUIRED REPAIRS FROM MONEY DUE CONTRACTOR.

1.02. DISPOSAL

A. ALL MATERIALS, WHICH ARE NOT DELIVERED TO THE OWNER AS SPECIFIED ABOVE, SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE DEMOLISHED, MOVED OR OTHERWISE DISPOSED OF AT THE OPTION OF THE CONTRACTOR BY A METHOD APPROVED BY THE OWNER.

B. ALL DEMOLISHED STRUCTURES, EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM THE WORK SITE BY THE CONTRACTOR.

C. ALL DEMOLISHED STRUCTURES, EQUIPMENT AND MATERIALS WHICH ARE EITHER LEFT IN PLACE OR REMOVED TO THE DISPOSAL SITE SHALL BE IN A NON-HAZARDOUS CONDITION.

END OF SECTION

DIMENSIONS AND QUANTITIES ARE APPROXIMATE. ACTUAL FIELD VALUES MAY VARY.

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30 0 30 60 90
GRAPHIC SCALE IN FEET

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GEORGIA REGISTERED NO. 28336 PROFESSIONAL ENGINEER MICHAEL R. REEVES 5/26/16

BID SET
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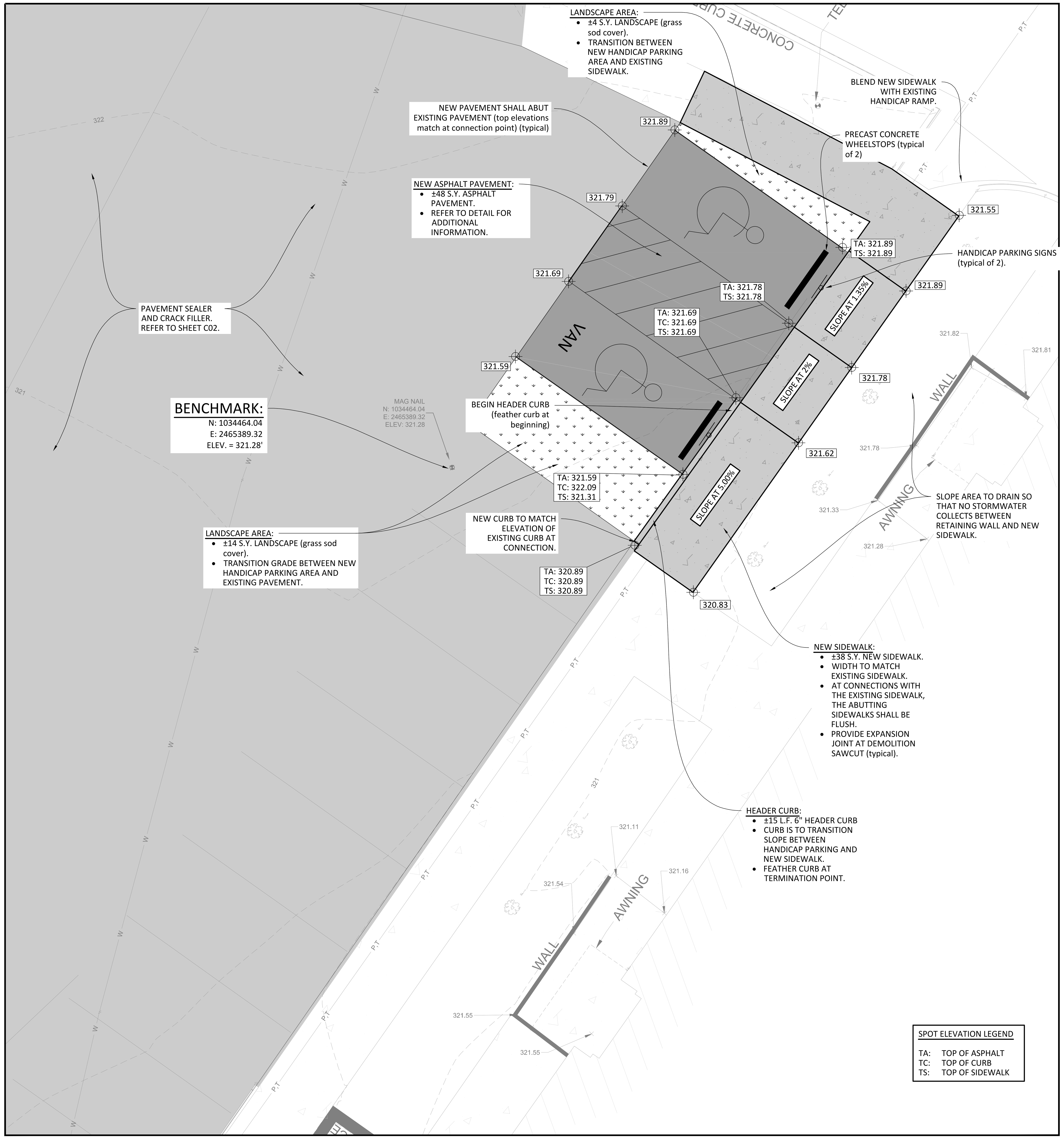
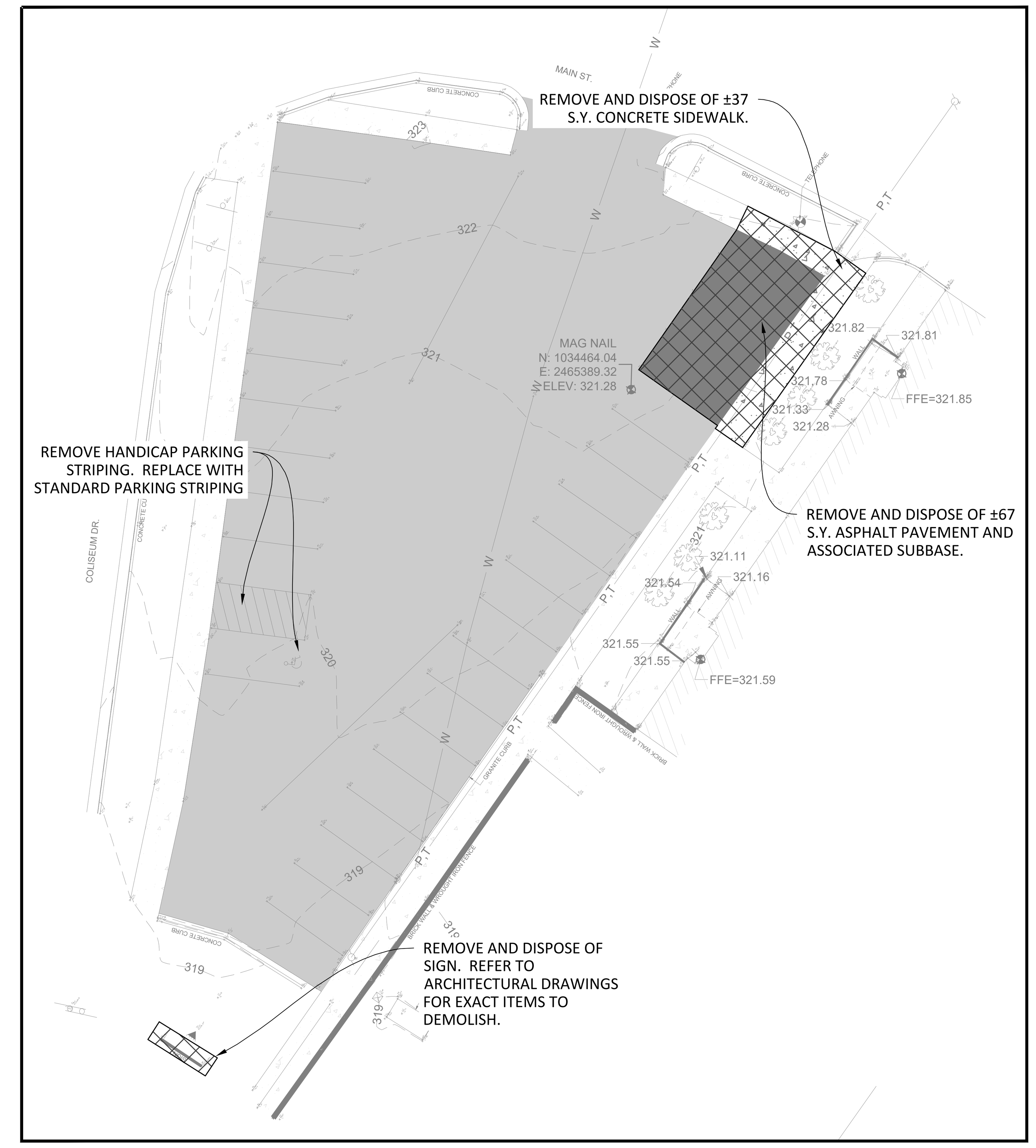
PARKING LOT MODIFICATIONS

C02



IMPROVEMENTS

SCALE: 1" = 10'



DEMOLITION

SCALE: 1" = 20'

10 0 10 20 30
GRAPHIC SCALE IN FEET

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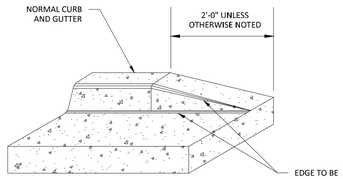
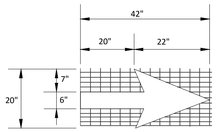
FRONT LOT HANDICAP PARKING MODIFICATIONS

C03



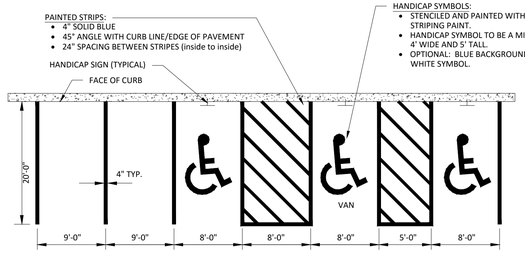
FEATHERING CURB

N.T.S.

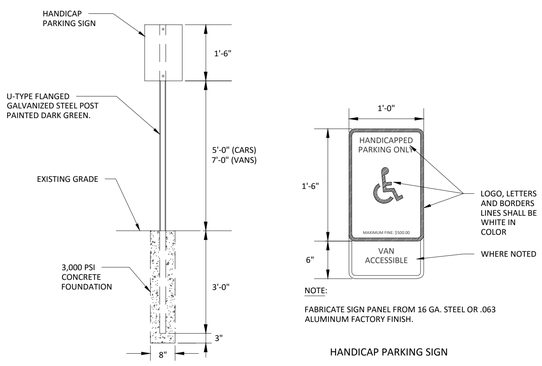


PAVEMENT MARKING ARROW

N.T.S.



90° PARKING ISLE



POST MOUNTED HANDICAP PARKING SIGN

NOTE:

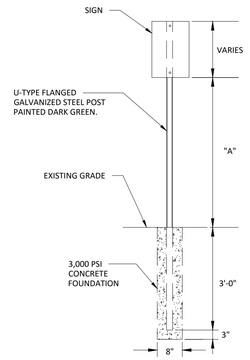
FABRICATE SIGN PANEL FROM 16 GA. STEEL OR .063 ALUMINUM FACTORY FINISH.

HANDICAP PARKING SIGN

O.C.G.A. SECTION 40-6-221:
(3) "PARKING PLACE FOR PERSONS WITH DISABILITIES MEANS ANY AREA ON PUBLIC OR PRIVATE PROPERTY WHICH HAS BEEN DESIGNATED FOR USE OF PERSONS WITH DISABILITIES AS FOLLOWS:
(a) BY A BLUE METAL REFLECTIVE SIGN WHICH IS AT LEAST 12 INCHES IN WIDTH AND 18 INCHES IN LENGTH AND IS ERECTED AT A HEIGHT OF SEVEN FEET FROM THE BOTTOM OF THE SIGN TO ITS GROUND SURFACE AND IN SUCH MANNER THAT IT WILL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE AND BEARING THE FOLLOWING WORDS: "PERMIT PARKING ONLY", "TOW-AWAY ZONE", AND THE INTERNATIONAL SYMBOL FOR ACCESSIBILITY. THE WARNING REQUIRED IN THIS SUBPARAGRAPH SHALL BE CENTERED ON THE SIGN, PRINTED IN WHITE, AND SHALL OCCUPY NOT LESS THAN 75 PERCENT OF THE SURFACE AREA OF THE SIGN. THE SIGN REQUIRED BY THIS SUBPARAGRAPH SHALL BE THE OFFICIAL AUTHORIZED SIGN FOR PARKING PLACE DESIGNATIONS FOR PERSONS WITH DISABILITIES IN THIS STATE.

PARKING LOT STRIPING

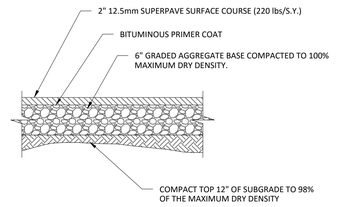
N.T.S.



NOTE:
- A = 7'-0" FOR COMMERCIAL, BUSINESS AND RESIDENTIAL APPLICATIONS
- A = 5'-6" FOR RURAL ROAD APPLICATIONS.
- REFER TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR ACCEPTABLE SIGN HEIGHT REQUIREMENTS.

SIGNAGE POST INSTALLATION

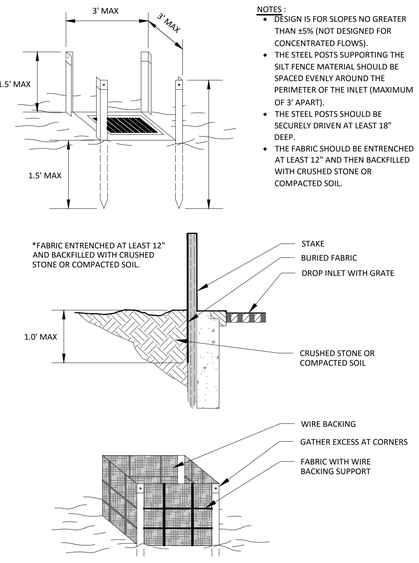
N.T.S.



NOTE:
- ASPHALT PAVEMENT SHALL BE IN ACCORDANCE WITH GEORGIA DOT STANDARDS (SECTION 400 - HOT MIX ASPHALTIC CONCRETE CONSTRUCTION).
- GRADED AGGREGATE BASE SHALL BE IN ACCORDANCE WITH GEORGIA DOT STANDARD SPECIFICATION 310.
- COMPACTED SUBGRADE SHALL BE IN ACCORDANCE WITH GEORGIA DOT STANDARD SPECIFICATION 209.

ASPHALT PAVEMENT - STANDARD DUTY

N.T.S.



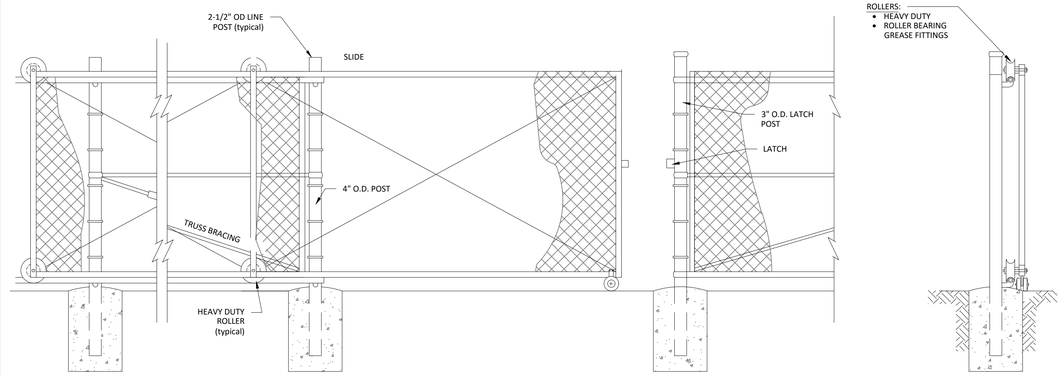
NOTES :
- DESIGN IS FOR SLOPES NO GREATER THAN ±5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
- THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
- THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
- THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

STEEL FRAME AND SILT FENCE INSTALLATION

Sd2-F

INLET SEDIMENT TRAP - FABRIC FRAME

N.T.S.



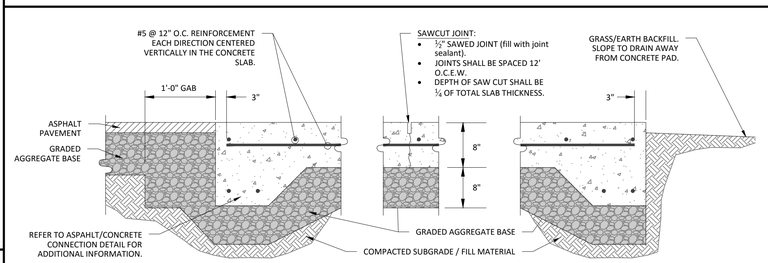
ELEVATION OF CHAIN-LINK FENCE SLIDING GATE

SECTION THRU GATE

NOTES:
1. MAXIMUM (typical) DISTANCE BETWEEN POSTS (centerline to centerline) IS 10 FEET.
2. CONTRACTOR TO FURNISH ALL MATERIALS UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY ALL CRITICAL DIMENSION BEFORE STARTING FENCE FABRICATION.
4. NEW FENCE SHALL MATCH EXISTING FENCE IN HEIGHT AND POST SPACING.
5. REFER TO CONSTRUCTION SPECIFICATIONS FOR ADDITIONAL INFORMATION.

CHAINLINK FENCE WITH ROLLING GATE

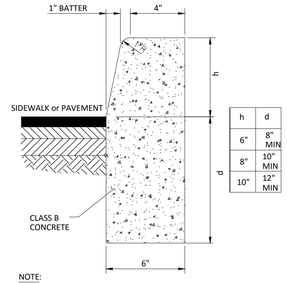
N.T.S.



NOTES:
1. CONTRACTOR TO VERIFY ALL CRITICAL DIMENSIONS AND ELEVATIONS BEFORE POURING CONCRETE.
2. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 4,000 PSI (at 28 days) WITH A MAXIMUM WATER/CEMENT RATIO OF 0.50 AND A MAXIMUM 4" SLUMP. READY-MIXED CONCRETE SHALL BE MIXED AND TRANSPORTED IN ACCORDANCE WITH ASTM C94.
3. AGGREGATES SHALL CONFORM TO THE REQUIREMENTS NOTED IN ASTM C33.
4. APPLY ADMIXTURES IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS AND ASTM C260.
5. GRADED AGGREGATE BASE (GAB):
   a. SHALL CONSIST OF 65% OF ONE HALF-INCH GRAVEL AND 35% SAND OR OTHER APPROVED MATERIAL.
   b. GAB SHALL BE THOROUGHLY MIXED, MOISTENED TO OPTIMUM CONTENT AND COMPACTED IN TWO COURSES.
   c. GAB SHALL BE COMPACTED TO 98% OF THE MAXIMUM DRY DENSITY (STANDARD PROCTOR).
   d. TOP 12" OF SUBGRADE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DRY DENSITY.
6. CONCRETE JOINTS SHALL BE INSTALLED AFTER THE CONCRETE HAS SUFFICIENTLY CURED TO PERMIT SAWING WITHOUT EXCESSIVE RAVELING (installed 24 hours following concrete installation).
7. ALL JOINTS EXTEND THROUGH CURBING.
8. REFER TO ASPHALT PAVEMENT DETAIL FOR ADDITIONAL INFORMATION.
9. REINFORCING STEEL SHALL BE GRADE 60 DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615. ALL BARS SHALL BE CLEAN AND FREE OF RUST, FLAW, CRACKS, MILL SCALE, OIL, ETC. ALL FIELD BENDS SHALL BE COLD.

CONCRETE DUMPSTER PAD

N.T.S.

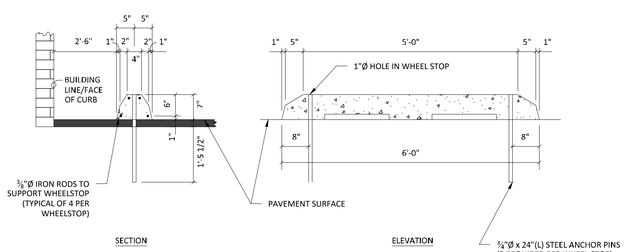


h	d
6"	8" MIN
8"	10" MIN
10"	12" MIN

NOTE:
- THE DIMENSION d MAY BE INCREASED AT CONTRACTOR'S OPTION SO BOTTOM OF HEADER CURB WILL ALIGN WITH BOTTOM OF PAVEMENT SUBGRADE.
- HEADER CURB SHALL BE IN ACCORDANCE WITH GDOT STANDARD 9032B.

CONCRETE HEADER CURB

N.T.S.



SECTION

ELEVATION

NOTE:
- RECESS PINS BELOW TOP OF WHEEL STOP ±1/2"
- FILL 1"Ø REBAR HOLE IN WHEEL STOP WITH 4,000 PSI CONCRETE FOLLOWING REBAR INSTALLATION.

CONCRETE WHEEL STOP DETAIL

N.T.S.

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15—030

CONSTRUCTION DETAILS

C04

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www.reevesdesign.net

ASPHALT PAVING

PART 1 - GENERAL

1.01 INSTALLATION CONDITIONS

A. WEATHER LIMITATIONS

1. APPLY BITUMINOUS PRIME AND TACK COATS ONLY WHEN THE AMBIENT TEMPERATURE IN THE SHADE HAS BEEN AT LEAST 40 DEGREES F. FOR HOURS IMMEDIATELY PRIOR TO APPLICATION.
2. DO NOT CONDUCT PAVING OPERATIONS WHEN SURFACE IS WET, FROZEN OR CONTAINS EXCESS OF MOISTURE WHICH WOULD PREVENT UNIFORM DISTRIBUTION AND REQUIRED PENETRATION, OR WHEN WET WEATHER IS IMMINENT.
3. CONSTRUCT ASPHALTIC COURSES ONLY WHEN ATMOSPHERIC TEMPERATURE IN THE SHADE IS ABOVE 35 DEGREES F, WHEN THE UNDERLYING BASE IS DRY AND WHEN WEATHER IS NOT RAINY.
4. PLACE BASE COURSE WHEN AIR TEMPERATURE IS ABOVE 35 DEGREES F AND RISING. NO BASE COURSE SHALL BE PLACED ON A FROZEN OR MUDDY SUBGRADE.

B. GRADE CONTROL: ESTABLISH AND MAINTAIN THE REQUIRED LINES AND GRADES FOR EACH COURSE DURING CONSTRUCTION OPERATIONS.

1.02 INSPECTION AND TESTING

A. COMPACTION

1. SUBGRADE: THE TOP 12 INCHES OF SUBGRADE SHALL BE COMPACTED TO 98 PERCENT OF THE MAXIMUM DRY DENSITY.
2. GRADED AGGREGATE BASE: MINIMUM ACCEPTABLE DENSITY SHALL BE 100 PERCENT OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D 1557, METHOD D. CONDUCT ONE TEST FOR EACH 1,500 SQUARE YARDS OF IN-PLACE MATERIAL, BUT IN NO CASE LESS THAN ONE DAILY FOR EACH LAYER. TEST DENSITY OF GRADED AGGREGATE BASE ACCORDING TO ASTM D 2167.
3. ASPHALTIC CONCRETE: COMPARE DENSITY OF IN-PLACE MATERIAL AGAINST LABORATORY SPECIMEN OF SAME MIXTURE, SUBJECTED TO 50 BLOWS OF A STANDARD MARSHALL HAMMER ON EACH SIDE OF SPECIMEN. MINIMUM ACCEPTABLE DENSITY OF IN-PLACE MATERIAL SHALL BE 94 PERCENT OF THE CALCULATED VOIDLESS DENSITY BASED UPON THE EFFECTIVE SPECIFIC GRAVITY OF THE AGGREGATE USED. IT IS INTENDED THAT ACCEPTANCE DENSITY TESTING WILL BE ACCOMPLISHED WHILE THE BITUMINOUS MIXTURE IS HOT ENOUGH TO PERMIT FURTHER DENSIFICATION IF SUCH IS SHOWN TO BE NECESSARY. IF THE DENSITY DOES NOT CONFORM TO THE REQUIREMENTS STATED HEREIN ABOVE, THE CONTRACTOR SHALL CONTINUE COMPACTIVE EFFORT UNTIL THE REQUIRED DENSITY IS OBTAINED.

B. PAVEMENT THICKNESS: INSPECT THE CORES OF THE BASE AND SURFACE COURSES TO DETERMINE THE AVERAGE THICKNESS OF THE COURSE. IF THE AVERAGE THICKNESS EXCEEDS THE ALLOWABLE VARIATION BELOW, ADDITIONAL CORES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE TO DETERMINE THE AREA OF DEFICIENT THICKNESS. THE DEFICIENT AREA SHALL BE CORRECTED BY OVERLAY WITH THE SAME TYPE MIX TO THE LIMITS AS DETERMINED BY THE ENGINEER.

1. BASE COURSE: ±1/2-INCH.
2. SURFACE COURSE: ± 1/4-INCH.

C. SURFACE SMOOTHNESS: TEST FINISHED SURFACE OF EACH ASPHALT COURSE FOR SMOOTHNESS USING A 10 FOOT STRAIGHTEDGE. INTERVALS OF TESTS SHALL BE AS DIRECTED BY THE ENGINEER. SURFACES WILL NOT BE ACCEPTABLE IF EXCEEDING THE FOLLOWING:

1. BASE COURSE: 1/4-INCH IN 10 FEET.
2. SURFACE COURSE: 1/8-INCH IN 10 FEET.

D. CONTRACTOR'S DUTIES RELATIVE TO TESTING

1. NOTIFYING LABORATORY OF CONDITIONS REQUIRING TESTING.
2. COORDINATING WITH LABORATORY FOR FIELD TESTING.
3. PAYING COSTS FOR ADDITIONAL TESTING PERFORMED BEYOND THE SCOPE OF THAT REQUIRED AND FOR RETESTING WHERE INITIAL TESTS REVEAL NON-CONFORMANCE WITH SPECIFIED REQUIREMENTS.
4. PAYING THE COST OF OVERLAYS OR PAVEMENT REMOVAL AND REPLACEMENT WHICH DOES NOT COMPLY WITH THE SPECIFIED TESTING LIMITS.

PART 2 - PRODUCTS

2.01 MATERIALS

A. GRADED AGGREGATE BASE COURSE: GRADED AGGREGATE BASE COURSE (GROUP II) SHALL BE OF UNIFORM QUALITY THROUGHOUT AND SHALL MEET THE REQUIREMENTS OF SECTIONS 800 AND 815.01 OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

B. SURFACE COURSE: SURFACE COURSE SHALL BE OF UNIFORM QUALITY THROUGHOUT AND SHALL CONFORM TO THE REQUIREMENTS OF SECTION 400, 12.5 MM AND/OR 19 MM SUPERPAVE OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

C. PRIME COAT: PRIME COAT SHALL CONFORM TO THE REQUIREMENTS OF SECTION 412 OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

PART 3 - EXECUTION

3.01 REMOVING PAVEMENT

A. GENERAL: REMOVE EXISTING PAVEMENT AS NECESSARY FOR INSTALLING THE PIPE LINE AND APPURTENANCES.

B. MARKING: BEFORE REMOVING ANY PAVEMENT, MARK THE PAVEMENT NEATLY PARALLELING PIPE LINES AND EXISTING STREET LINES. SPACE THE MARKS THE WIDTH OF THE TRENCH.

C. BREAKING: BREAK ASPHALT PAVEMENT ALONG THE MARKS USING PAVEMENT SHEARING EQUIPMENT, JACK HAMMERS OR OTHER SUITABLE TOOLS. BREAK CONCRETE PAVEMENT ALONG THE MARKS BY SCORING WITH A ROTARY SAW AND BREAKING BELOW THE SCORE BY THE USE OF JACK HAMMERS OR OTHER SUITABLE TOOLS. ALL EDGES OF THE EXISTING PAVEMENT SHALL BE CUT TO A STRAIGHT VERTICAL EDGE. CARE SHALL BE USED TO GET A SMOOTH JOINT BETWEEN THE OLD AND NEW PAVEMENT AND TO PRODUCE AN EVEN SURFACE ON THE COMPLETED STREET.

D. MACHINE PULLING: DO NOT PULL PAVEMENT WITH MACHINES UNTIL THE PAVEMENT IS COMPLETELY BROKEN AND SEPARATED FROM PAVEMENT TO REMAIN.

E. DAMAGE TO ADJACENT PAVEMENT: DO NOT DISTURB OR DAMAGE THE ADJACENT PAVEMENT. IF THE ADJACENT PAVEMENT IS DISTURBED OR DAMAGED, REMOVE AND REPLACE THE DAMAGED PAVEMENT.

3.02 SURFACE PREPARATION

A. GRADED AGGREGATE BASE COURSE

1. CHECK SUBGRADE FOR CONFORMITY WITH ELEVATIONS AND SECTION IMMEDIATELY BEFORE PLACING AGGREGATE BASE MATERIAL.
2. PLACE AGGREGATE BASE MATERIAL IN COMPACTED LAYERS NOT MORE THAN 6-INCHES THICK, UNLESS CONTINUING TESTS INDICATE THAT THE REQUIRED RESULTS ARE BEING CONTAINED WITH THICKER LAYERS.
3. IN NO CASE SHALL MORE THAN 8-INCHES OF COMPACTED BASE BE PLACED IN ONE LIFT.
4. SPREAD, SHAPE, AND COMPACT ALL AGGREGATE BASE MATERIAL DEPOSITED ON THE SUBGRADE DURING THE SAME DAY.
5. THE COMPACTED BASE SHALL HAVE SUFFICIENT STABILITY TO SUPPORT CONSTRUCTION TRAFFIC WITHOUT PUMPING.
6. IF COMPACTED BASE BECOMES UNSTABLE AS A RESULT OF TOO MUCH MOISTURE, THE BASE MATERIAL AND UNDERLYING SUBGRADE, IF NECESSARY, SHALL BE DRIED AND REWORKED TO A MOISTURE CONTENT THAT CAN BE RECOMPACTED.

B. LOOSE AND FOREIGN MATERIAL

1. REMOVE LOOSE AND FOREIGN MATERIAL FROM SURFACE IMMEDIATELY BEFORE APPLICATION OF PAVING.
2. USE POWER BROOMS OR BLOWERS, AND HAND BROOMING AS REQUIRED.
3. DO NOT DISPLACE SURFACE MATERIAL.

C. PRIME COAT

1. UNIFORMLY APPLY AT A RATE OF 0.20 TO 0.50 GALLON PER SQUARE YARD OVER COMPACTED AND CLEANED SUBBASE SURFACE.
2. APPLY ENOUGH MATERIAL TO PENETRATE AND SEAL, BUT NOT FLOOD THE SURFACE.
3. ALLOW TO CURE AND DRY AS LONG AS REQUIRED TO ATTAIN PENETRATION AND EVAPORATION OF VOLATILE, AND IN NO CASE LESS THAN 24 HOURS UNLESS OTHERWISE ACCEPTABLE TO THE ENGINEER.
4. BLOT EXCESS ASPHALT WITH JUST ENOUGH SAND TO PREVENT PICK-UP UNDER TRAFFIC.
5. REMOVE LOOSE SAND BEFORE PAVING.

3.03 EQUIPMENT

A. PROVIDE SIZE AND QUANTITY OF EQUIPMENT TO COMPLETE THE WORK SPECIFIED WITHIN THE PROJECT TIME SCHEDULE.

B. BITUMINOUS PAVERS SHALL BE SELF-PROPELLED THAT SPREAD HOT ASPHALT CONCRETE MIXTURES WITHOUT TEARING, SHOVING OR GOUGING SURFACES, AND CONTROL PAVEMENT EDGES TO TRUE LINES WITHOUT USE OF STATIONARY FORMS.

C. ROLLING EQUIPMENT SHALL BE SELF-PROPELLED, STEEL-WHEELED AND PNEUMATIC-TIRED ROLLERS THAT CAN REVERSE DIRECTION WITHOUT BACKLASH.

D. PROVIDE RAKES, LUTES, SHOVELS, TAMPERS, SMOOTHING IRONS, PAVEMENT CUTTERS, PORTABLE HEATERS, AND OTHER MISCELLANEOUS SMALL TOOLS TO COMPLETE THE WORK SPECIFIED.

3.04 ASPHALTIC CONCRETE PLACEMENT

A. PLACE ASPHALT CONCRETE MIX ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING PAVING MACHINE.

B. SPREAD MIXTURE AT A MINIMUM TEMPERATURE OF 225 DEGREES F.

C. INACCESSIBLE AND SMALL AREAS MAY BE PLACED BY HAND.

D. PLACE EACH COURSE AT A THICKNESS SUCH THAT WHEN COMPACTED IT WILL CONFORM TO THE INDICATED GRADE, CROSS-SECTION, FINISH THICKNESS, AND DENSITY INDICATED.

E. PAVEMENT PLACING

1. UNLESS OTHERWISE DIRECTED, BEGIN PLACING ALONG CENTERLINE OF AREAS TO BE PAVED ON CROWNED SECTION, AND AT HIGH SIDE OF SECTIONS ON ONE-WAY SLOPE, AND IN DIRECTION OF TRAFFIC FLOW.
2. AFTER FIRST STRIP HAS BEEN PLACED AND ROLLED, PLACE SUCCEEDING STRIPS AND EXTEND ROLLING TO OVERLAP PREVIOUS STRIPS.
3. COMPLETE BASE COURSES FOR A SECTION BEFORE PLACING SURFACE COURSES.
4. PLACE MIXTURE IN AS CONTINUOUS AN OPERATION AS PRACTICAL.

F. HAND PLACING

1. SPREAD, TAMP, AND FINISH MIXTURE USING HAND TOOLS IN AREAS WHERE MACHINE SPREADING IS NOT POSSIBLE, AS ACCEPTABLE TO ENGINEER.
2. PLACE MIXTURE AT A RATE THAT WILL ENSURE HANDLING AND COMPACTION BEFORE MIXTURE BECOMES COOLER THAN ACCEPTABLE WORKING TEMPERATURE.

G. JOINTS

1. CAREFULLY MAKE JOINTS BETWEEN OLD AND NEW PAVEMENTS, OR BETWEEN SUCCESSIVE DAYS WORK, TO ENSURE A CONTINUOUS BOND BETWEEN ADJOINING WORK.
2. CONSTRUCT JOINTS TO HAVE SAME TEXTURE, DENSITY AND SMOOTHNESS AS ADJACENT SECTIONS OF ASPHALT CONCRETE COURSE.
3. CLEAN CONTACT SURFACES FREE OF SAND, DIRT, OR OTHER OBJECTIONABLE MATERIAL AND APPLY TACK COAT.
4. OFFSET TRANSVERSE JOINTS IN SUCCEEDING COURSES NOT LESS THAN 24-INCHES.
5. CUT BACK EDGE OF PREVIOUSLY PLACED COURSE TO EXPOSE AN EVEN, VERTICAL SURFACE FOR FULL COURSE THICKNESS.
6. OFFSET LONGITUDINAL JOINTS IN SUCCEEDING COURSES NOT LESS THAN 6-INCHES.
7. WHEN THE EDGES OF LONGITUDINAL JOINTS ARE IRREGULAR, HONEYCOMBED, OR INADEQUATELY COMPACTED, CUT BACK UNSATISFACTORY SECTIONS TO EXPOSE AN EVEN, VERTICAL SURFACE FOR FULL COURSE THICKNESS.

H. WHEN REPLACING ASPHALTIC CONCRETE PAVEMENT THAT WAS REMOVED BECAUSE OF THE CONSTRUCTION, MAKE FINAL CUT IN PAVEMENT 12 INCHES BACK FROM THE EDGE OF THE DAMAGED PAVEMENT WITH A CONCRETE SAW. REMOVE SEPARATED ASPHALT FROM THE EDGE OF THE CUT WITH PAVEMENT SHEARING EQUIPMENT, JACK HAMMERS OR OTHER SUITABLE TOOLS.

3.05 ASPHALTIC CONCRETE COMPACTION

A. PROVIDE SUFFICIENT ROLLERS TO OBTAIN THE REQUIRED PAVEMENT DENSITY.

B. BEGIN ROLLING OPERATIONS AS SOON AFTER PLACING AS THE MIXTURE WILL BEAR WEIGHT OF ROLLER WITHOUT EXCESSIVE DISPLACEMENT.

C. DO NOT PERMIT HEAVY EQUIPMENT, INCLUDING ROLLERS TO STAND ON FINISHED SURFACE BEFORE IT HAS THOROUGHLY COOLED OR SET.

D. COMPACT MIXTURE WITH HOT HAND TAMPERS OR VIBRATING PLATE COMPACTORS IN AREAS INACCESSIBLE TO ROLLERS.

E. START ROLLING LONGITUDINALLY AT EXTREME LOWER SIDE OF SECTIONS AND PROCEED TOWARD CENTER OF PAVEMENT. ROLL TO SLIGHTLY DIFFERENT LENGTHS ON ALTERNATE ROLLER RUNS.

F. DO NOT ROLL CENTERS OF SECTIONS FIRST UNDER ANY CIRCUMSTANCES.

G. BREAKDOWN ROLLING

1. ACCOMPLISH BREAKDOWN OR INITIAL ROLLING IMMEDIATELY FOLLOWING ROLLING OF TRANSVERSE AND LONGITUDINAL JOINTS AND OUTSIDE EDGE.
2. OPERATE ROLLERS AS CLOSE AS POSSIBLE TO PAVER WITHOUT CAUSING PAVEMENT DISPLACEMENT.
3. CHECK CROWN, GRADE, AND SMOOTHNESS AFTER BREAKDOWN ROLLING.
4. REPAIR DISPLACED AREAS BY LOOSENING AT ONCE WITH LUTES OR RAKES AND FILLING, IF REQUIRED, WITH HOT LOOSE MATERIAL BEFORE CONTINUING ROLLING.

H. SECOND ROLLING

1. FOLLOW BREAKDOWN ROLLING AS SOON AS POSSIBLE, WHILE MIXTURE IS HOT AND IN CONDITION FOR COMPACTION.
2. CONTINUE SECOND ROLLING UNTIL MIXTURE HAS BEEN THOROUGHLY COMPACTED.

I. FINISH ROLLING

1. PERFORM FINISH ROLLING WHILE MIXTURE IS STILL WARM ENOUGH FOR REMOVAL OF ROLLER MARKS.
2. CONTINUE ROLLING UNTIL ROLLER MARKS ARE ELIMINATED AND COURSE HAS ATTAINED SPECIFIED DENSITY.

3.06 CLEANING AND PROTECTION

A. CLEANING: AFTER COMPLETION OF PAVING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT MATERIALS TO THE SATISFACTION OF THE ENGINEER.

B. PROTECTION

1. AFTER FINAL ROLLING, DO NOT PERMIT VEHICULAR TRAFFIC ON ASPHALT CONCRETE PAVEMENT UNTIL IT HAS COOLED AND HARDENED, AND IN NO CASE NO SOONER THAN SIX HOURS.
2. PROVIDE BARRICADES AND WARNING DEVICES AS REQUIRED TO PROTECT PAVEMENT AND THE GENERAL PUBLIC.

C. MAINTENANCE: THE CONTRACTOR SHALL MAINTAIN THE SURFACES OF PAVEMENTS UNTIL THE ACCEPTANCE OF THE PROJECT. MAINTENANCE SHALL INCLUDE REPLACEMENT, OVERLAY, MILLING AND RESHAPING AS NECESSARY TO PREVENT RAVELING OF THE ROAD MATERIAL, THE PRESERVATION OF SMOOTH SURFACES AND THE REPAIR OF DAMAGED OR UNSATISFACTORY SURFACES, TO THE SATISFACTION OF THE ENGINEER.

3.07 SUPERVISION AND APPROVAL

A. PAVEMENT SHALL MEET THE REQUIREMENTS OF THE REGULATORY AGENCY RESPONSIBLE FOR THE MAINTENANCE OF PAVEMENT. OBTAIN AGENCY APPROVAL OF PAVEMENT BEFORE REQUESTING FINAL PAYMENT.

B. FAILURE OF PAVEMENT: SHOULD ANY PAVEMENT RESTORATION OR REPAIRS FAIL OR SETTLE DURING THE LIFE OF THE CONTRACT, INCLUDING THE BONDED PERIOD, PROMPTLY RESTORE OR REPAIR DEFECTS.

END OF SECTION

PAVEMENT SEALER AND CRACK FILLER

PART 1 - GENERAL

1.01 SCOPE

THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED TO INSTALL THE PAVEMENT SEALER AND CRACK FILLER AS REQUIRED OR SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN. THE COAL TAR PAVEMENT SEALER SHALL PROTECT ASPHALT PAVEMENT SURFACES SUCH AS PARKING LOTS, AND DRIVEWAYS. CRACK SEALANT SHALL BE USED TO SEAL EXPANSION JOINTS, LONGITUDINAL AND TRANSVERSE CRACKS, JOINTS BETWEEN CONCRETE AND ASPHALT SHOULDERS, AND RANDOM CRACKS IN BOTH ASPHALT AND CONCRETE PAVEMENTS.

1.02 SUBMITTALS

PROVIDE CERTIFICATES STATING THAT MATERIALS SUPPLIED COMPLY WITH SPECIFICATIONS. CERTIFICATES SHALL BE SIGNED BY THE ASPHALT PRODUCER AND THE CONTRACTOR.

1.03 CONDITIONS

A. PAVEMENT SEALER WEATHER LIMITATIONS

1. DO NOT APPLY PAVEMENT SEALER WHEN TEMPERATURES ARE EXPECTED TO DROP BELOW 50°F AT ANY TIME WITHIN A 24 HOUR PERIOD AFTER APPLICATION.
2. BOTH SURFACE AND AMBIENT TEMPERATURE SHALL BE A MINIMUM OF 50°F. NEW ASPHALT SURFACES SHOULD BE ALLOWED TO CURE A MINIMUM OF FOUR WEEKS UNDER IDEAL WEATHER CONDITIONS (70°F) BEFORE APPLYING PAVEMENT SEALER.

B. PAVEMENT CRACK FILLER WEATHER LIMITATIONS: THE SUBSTRATE AND AIR TEMPERATURE MUST BE ABOVE 40°F DURING THE INSTALLATION AND 24 HOURS FOLLOWING THE INSTALLATION.

C. DO NOT USE CRACK SEALANT FOR VOIDS IN EXCESS OF 0.5 INCHES. CRACKS IN EXCESS OF 0.5 INCHES SHALL HAVE THE SURROUNDING DAMAGED ASPHALT REMOVED AND REPLACED IN ACCORDANCE WITH THESE SPECIFICATIONS.

PART 2 - PRODUCTS

2.01 MATERIALS AND CONSTRUCTION

A. PAVEMENT SEALER

1. SHALL BE A CLAY-STABILIZED, FUEL-RESISTANT COAL TAR EMULSION PAVEMENT SEALER DESIGNED TO PROTECT AND BEAUTIFY ASPHALT PAVEMENT.
2. SEALER COLOR SHALL BE BLACK.
3. PAVEMENT SEALER SHALL MEET THE REQUIREMENTS OF ASTM D5727, RP 355E, ASTM D490, ASTM D3320-74T, FAA P627, P628, P629, P630, P631 AND FAA EB44B SPECIFICATIONS FOR COAL TAR PITCH EMULSION (CTPE) PAVEMENT SEALER.
4. PAVEMENT SEALER SHALL NOT CONTAIN ASBESTOS AND IT SHALL CONTAIN LESS THAN 150 GRAMS PER LITER VOLATILE ORGANIC CONTENT (VOC).

B. PAVEMENT CRACK FILLER

1. CRACK FILLER COLOR SHALL BE BLACK.
2. CRACK FILLER SHALL ADHERE TO ASTM D6690.
3. CRACK FILLER SHALL BE A HOT APPLIED CRACK AND JOINT SEALANT.

PART 3 - EXECUTION

3.01 SURFACE PREPARATION

A. PAVEMENT SEALANT

1. THE EXISTING ASPHALT SURFACE SHALL BE CLEAN AND FREE FROM ALL LOOSE MATERIAL AND DIRT.
2. CRACKS SHALL BE FILLED WITH A SPECIFIED CRACK FILLER.
3. TREAT ALL GREASE, OIL, AND GASOLINE SPOTS OR STAINS WITH AN APPROPRIATE SEALANT/CLEANSER.

B. PAVEMENT CRACK FILLER

PROPER SURFACE PREPARATION WILL FACILITATE ADEQUATE ADHESION AND CONSEQUENTLY THE MAXIMUM SERVICE LIFE OF THE SEALANT. THE CRACK MUST BE FREE FROM MOISTURE, DUST, AND LOOSE AGGREGATE. ROUTING OR WIRE BRUSHING ARE PREFERRED METHODS FOLLOWED BY A COMPRESSED AIR HEAT LANCE IMMEDIATELY PRIOR TO SEALING.

3.02 INSTALLATION

A. PAVEMENT SEALANT

1. PAVEMENT SEALER SHALL BE MIXED IN ACCORDANCE WITH THE FOLLOWING MIX DESIGN (BASED ON 100 GALLONS). ALTERNATIVE MIX DESIGNS MAY BE SUBSTITUTED TO ACCOUNT FOR LOCAL PAVEMENT CONDITIONS AND USE OF OTHER PAVEMENT SEALER ADDITIVES.

COAT TAR CONCENTRATE:	100 GALLONS
WATER:	30 – 40 GALLONS
SEALER V.M. POLYMER ADDITIVE:	1 – 2 GALLONS
SAND (40 – 70 MESH AFS RATING):	300 – 500 LBS.

2. APPLY PAVEMENT SEALER WITH EITHER PRESSURIZED SPRAY APPLICATION EQUIPMENT OR SELF-PROPELLED SQUEEGEE EQUIPMENT. PRESSURIZED SPRAY EQUIPMENT SHALL BE CAPABLE OF SPRAYING PAVEMENT SEALER WITH SAND ADDED. SPRAY EQUIPMENT SHALL HAVE CONTINUOUS AGITATION OR MIXING CAPABILITIES TO MAINTAIN HOMOGENEOUS CONSISTENCY OF THE PAVEMENT SEALER MIXTURE THROUGHOUT THE APPLICATION PROCESS. SELF-PROPELLED SQUEEGEE EQUIPMENT SHALL HAVE AT LEAST TWO SQUEEGEE OR BRUSH DEVICES (ONE BEHIND THE OTHER) TO ASSURE ADEQUATE DISTRIBUTION AND PENETRATION OF SEALER INTO THE BITUMINOUS PAVEMENT. HAND SQUEEGEES AND BRUSHES SHALL BE ACCEPTABLE IN AREAS WHERE PRACTICALITY PROHIBITS THE USE OF MECHANIZED EQUIPMENT.
3. APPLY PAVEMENT SEALER AT A RATE OF 0.11 TO 0.13 GALLONS PER SQUARE YARD PER COAT.
4. APPLY A MINIMUM OF TWO COATS OF PROPERLY MIXED SEALER. A THIRD COAT OF MIX SEALER MAY BE APPLIED TO HIGH TRAFFIC AREAS SUCH AS ENTRANCES, EXITS AND DRIVE LANES.
5. PAVEMENT SEALER DRYING TIME SHALL BE A MINIMUM OF 8 HOURS.

B. PAVEMENT CRACK FILLER

1. CRACK SEALANT SHALL BE MELTED IN A CONVENTIONAL OIL-JACKETED UNIT EQUIPPED WITH AN AGITATOR AND TEMPERATURE CONTROL DEVICE FOR BOTH MATERIAL AND HEAT TRANSFER OIL.
2. FOLLOWING THE INITIAL LOAD OF MATERIAL REACHING THE RECOMMENDED POURING TEMPERATURE (370-390°F), FRESH MATERIAL MAY BE ADDED AS SEALANT IS USED.
3. MELT ONLY ENOUGH MATERIAL THAT WILL BE USED IN THE SAME DAILY CONSTRUCTION PERIOD. NO MATERIAL SHALL BE REMELTED OR REUSED.
4. APPLY HEATED CRACK SEALANT USING EITHER A PUMP AND WAND SYSTEM OR A POUR POT.
5. THE CRACK SEALANT DEPTH TO WIDTH RATIO SHALL NOT EXCEED 2:1 (DEEP:WIDE).
6. THE COOLANT CRACK SEALANT HEIGHT SHOULD NOT EXCEED 1/8 INCH ABOVE THE SURROUNDING PAVEMENT.
7. TRANSITION THE FILLER BEYOND THE CRACK A MINIMUM OF 2.5 INCHES BY USING A SHOE OR SQUEEGEE BAND.

CRACK SEALANT CHEMICAL AND PHYSICAL ANALYSIS	
RECOMMENDED POUR TEMPERATURE	370 – 390°F
MAXIMUM HEATING TEMPERATURE	400°F
PENETRATION (150 GR/5 SEC)	30 – 45
RESILIENCY	40% MINIMUM
FLOW AT 140°F	0 MM
SOFTENING POINT	200°F MINIMUM
DUCTILITY @ 77°F	30 CM
TENSILE ADHESIVE	500%
VISCOSITY @ 375°F	60 ±10 POISE
FLEXIBILITY @ 20°F (1 INCH MANDREL)	PASS
SPECIFIC GRAVITY	1.18
ASPHALT COMPATIBILITY	COMPATIBLE

END OF SECTION

CHAINLINK FENCES AND GATES

PART 1 - GENERAL

1.01 SCOPE

A. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND MISCELLANEOUS ITEMS AS NECESSARY FOR THE INSTALLATION OF A COMPLETE CHAIN LINK FENCE SYSTEM. FENCING SHALL BE INSTALLED IN THE LOCATION AS SHOWN ON THE DRAWINGS IN COMPLETE CONFORMITY WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS AND AS SPECIFIED HEREIN.

B. SECURITY FENCING FOR THE CONTRACTOR IS AT CONTRACTOR'S OPTION AND IS NOT INCLUDED AS PART OF THE WORK SPECIFIED.

1.04 QUALITY ASSURANCE

A. DELIVER MATERIALS WITH THE MANUFACTURER'S TAGS AND LABELS INTACT.

B. HANDLE AND STORE MATERIALS IN SUCH A MANNER THAT WILL AVOID DAMAGE.

C. PROVIDE FENCING AS A COMPLETE UNIT PRODUCED BY A SINGLE MANUFACTURER INCLUDING THE REQUIRED ERECTION ACCESSORIES, FITTINGS AND FASTENERS.

PART 2 – PRODUCTS

2.01 GENERAL

A. OVERALL HEIGHT FOR NEW FENCING SHALL BE SIX FEET ON MALLEABLE IRON POST TOPS. POSTS SHALL BE SET AT NO MORE THAN 10 FOOT CENTERS, A FULL THREE FEET DEEP IN CONCRETE FOOTINGS, POURED THE FULL SIZE OF THE HOLES AS EXCAVATED. CORNER POSTS SHALL HAVE THE NECESSARY STRUT AND TIE BRACING. GATES SHALL BE PROVIDED OF THE SIZE AND AT THE LOCATIONS INDICATED ON THE DRAWINGS.

B. WHERE FENCING CROSSES DITCHES, STEEP GRADES, AND OTHER UNUSUAL CONDITIONS, MAKE SPECIAL PROVISIONS TO INSURE THAT THE SECURITY, APPEARANCE, MAINTAINABILITY AND PERMANENCE OF THE STANDARD FENCING ARE EQUALED OR EXCEEDED.

2.02 MATERIALS AND CONSTRUCTION

A. ALL CHAINLINK FENCE SHALL BE POLYVINYL COATED (PVC) COMPLETE WITH ALL GATES, RAILS, MISCELLANEOUS FITTINGS AND HARDWARE. PVC COATING SHALL BE IN ACCORDANCE WITH ASTM F668, CLASS (1)(2a). COLOR OF PVC COATING SHALL BE BLACK.

B. FENCE MESH: 9 GAUGE WIRE, WOVEN TO 2-INCH SQUARES, GALVANIZED AFTER WEAVING, SIX FOOTWIDE ROLL. CONTINUOUS TENSION WIRE SHALL BE PROVIDED AT THE LOWER EDGE OF THE MESH. MESH SHALL BE IN ACCORDANCE WITH ASTM F668.

C. ALL FRAMEWORK SHALL BE IN ACCORDANCE WITH ASTM F669.

1. LINE POST: 2-1/2-INCH O.D. GALVANIZED PIPE (3.65 #/FT.).
2. CORNER POST: 3-INCH O.D. GALVANIZED PIPE (5.79 #/FT.).
3. GATE POST: 4-INCH O.D. GALVANIZED PIPE (9.11 #/FT.).
4. TOP RAIL: 1-5/8-INCH O.D. GALVANIZED PIPE (2.27 #/FT.) WITH EXTRA LONG PRESSED STEEL SLEEVES.

D. GATES:

1. SHALL BE SUPPLIED WITH HEAVY-DUTY LATCHES, KEEPERS AND HEAVY HARDENED PADLOCKS WITH DUPLICATE KEYS.
2. GATE FRAMES: 2-INCH O.D. GALVANIZED PIPE FRAME (2.72 #/FT.).

E. FITTINGS: FITTINGS SHALL BE MANUFACTURED IN CONFORMANCE WITH THE REQUIREMENTS OF ASTM F626, INCLUDING MATERIAL OF MANUFACTURE, DIMENSIONS AND DIMENSIONAL TOLERANCES, COATINGS AND COATING WEIGHTS. FITTINGS (EXCEPT PADLOCK/CHAIN AT GATE) SHALL BE PVC COATED TO MATCH FABRIC.

1. END, PULL AND LINE POST CAPS: PROVIDE WEATHER TIGHT CLOSURE CAP FOR EACH POST. PROVIDE LINE POST CAPS WITH LOOP TO RECEIVE TOP RAIL.
2. TENSION OR STRETCHER BARS: PROVIDE TENSION OR STRETCHER BARS TO CONNECT FABRIC TO END, GATE AND CORNER POSTS.
3. TENSION BANDS: SHALL BE MINIMUM OF 14 GAUGE (0.074-INCH) IN THICKNESS AND 3/4-INCH WIDTH.
4. BRACE BANDS: SHALL BE A MINIMUM OF 12 GAUGE (0.105-INCH) IN THICKNESS AND 3/4-INCH WIDTH.
5. TENSION WIRE: SHALL BE A MINIMUM 7 GAUGE GALVANIZED.
6. PRIVACY SLATS: HIGH DENSITY POLYETHYLENE SLATS OF WIDTH FOR WEAVING IN FENCE FABRIC. FACTORY FINISH SHALL BE BLACK.

F. CONCRETE SHALL BE A MINIMUM STRENGTH OF 4,000 PSI AND A SLUMP BETWEEN 3 AND 4 INCHES.

PART 3 - EXECUTION

3.01 INSTALLATION

A. INSTALLATION SHALL BE IN ACCORDANCE WITH ASM F567.

B. FENCE INSTALLATION SHALL NOT BE STARTED BEFORE THE FINAL GRADING IS COMPLETED, WITH FINISH GRADE ELEVATIONS ESTABLISHED, UNLESS OTHERWISE PERMITTED.

C. EXCAVATION: DRILL HOLES OF DIAMETERS AND SPACINGS SHOWN, FOR POST FOOTINGS IN FIRM, UNDISTURBED OR COMPACTED SOIL.

1. IF NOT SHOWN ON THE DRAWINGS, EXCAVATE HOLES TO THE MINIMUM DIAMETERS AS RECOMMENDED BY FENCE MANUFACTURER.
2. UNLESS OTHERWISE INDICATED, EXCAVATE HOLE DEPTHS APPROXIMATELY 6-INCHES LOWER THAN THE POST BOTTOM, WITH BOTTOM OF POSTS SET NOT LESS THAN 36-INCHES BELOW THE SURFACE WHEN IN FIRM, UNDISTURBED SOIL.
3. IF SOLID ROCK IS ENCOUNTERED NEAR THE SURFACE, DRILL INTO ROCK AT LEAST 12-INCHES FOR LINE POSTS AND AT LEAST 18-INCHES FOR END, PULL CORNER, AND GATE POSTS. DRILL HOLE AT LEAST 1-INCH GREATER DIAMETER THAN THE LARGEST DIMENSION FOR THE POST TO BE PLACED. IF SOLID ROCK IS BELOW SOIL OVERBURDEN, DRILL TO FULL DEPTH REQUIRED. PENETRATION INTO ROCK NEED NOT EXCEED THE MINIMUM DEPTHS SPECIFIED ABOVE.

D. SETTING POSTS: REMOVE LOOSE AND FOREIGN MATERIALS FROM SIDES AND BOTTOMS OF HOLES AND MOISTEN SOIL PRIOR TO PLACING CONCRETE.

1. CENTER AND ALIGN POSTS IN HOLES 6-INCHES ABOVE BOTTOM OF EXCAVATION.
2. PLACE CONCRETE AROUND POSTS IN A CONTINUOUS POUR AND VIBRATE OR TAMP FOR CONSOLIDATION. CHECK EACH POST FOR VERTICAL AND TOP ALIGNMENT AND HOLD IN POSITION DURING PLACEMENT AND FINISHING OPERATIONS.
3. TROWEL FINISH TOPS OF FOOTINGS AND SLOPE OF DOME TO DIRECT WATER AWAY FROM POSTS. EXTEND FOOTINGS FOR GATE POSTS TO THE UNDERSIDE OF BOTTOM HINGE. SET KEEPS, STOPS, SLEEVES AND OTHER ACCESSORIES INTO CONCRETE AS REQUIRED.
4. KEEP EXPOSED CONCRETE SURFACES MOIST FOR AT LEAST SEVEN DAYS AFTER PLACEMENT OR CURE WITH MEMBRANE CURING MATERIALS OR OTHER ACCEPTABLE CURING METHODS.
5. GROUT-IN POSTS SET INTO SLEEVED HOLES, CONCRETE CONSTRUCTIONS OR ROCK EXCAVATIONS WITH NON-SHRINK PORTLAND CEMENT GROUT OR OTHER ACCEPTABLE GROUTING MATERIAL.

E. CONCRETE STRENGTH: ALLOW CONCRETE TO ATTAIN AT LEAST 75 PERCENT OF ITS MINIMUM 28 DAY COMPRESSIVE STRENGTH, BUT IN NO CASE SOONER THAN SEVEN DAYS AFTER PLACEMENT, BEFORE RAILS, TENSION WIRES, OR FABRIC IS INSTALLED. DO NOT STRETCH AND TENSION FABRIC AND WIRES AND DO NOT HANG GATES UNTIL THE CONCRETE HAS ATTAINED ITS FULL DESIGN STRENGTH.

F. TOP RAILS: RUN RAIL CONTINUOUSLY THROUGH POST CAPS OR EXTENSION ARMS, BENDING TO RADIUS FOR CURVED RUNS. PROVIDE EXPANSION COUPLINGS AS RECOMMENDED BY FENCING MANUFACTURER.

G BRACE ASSEMBLIES: INSTALL BRACES SO POSTS ARE PLUMB WHEN DIAGONAL ROD IS UNDER PROPER TENSION.

H. TENSION WIRE: INSTALL TENSION WIRES BY WEAVING THROUGH THE FABRIC AND TYING TO EACH POST WITH NOT LESS THAN 6 GAUGE GALVANIZED WIRE OR BY SECURING THE WIRE TO THE FABRIC.

I. FABRIC: PULL FABRIC TAUT AND TIE TO POSTS, RAILS AND TENSION WIRES. INSTALL FABRIC ON SECURITY SIDE OF FENCE AND ANCHOR TO FRAMEWORK SO THAT FABRIC REMAINS IN TENSION AFTER PULLING FORCE IS RELEASED.

J. REPAIR DAMAGED COATINGS IN THE SHOP OR DURING FIELD ERECTION BY RECOATING WITH MANUFACTURER'S RECOMMENDED REPAIR COMPOUND, APPLIED PER MANUFACTURER'S DIRECTIONS.

K. STRETCHER BARS: THREAD THROUGH OR CLAMP TO FABRIC 4-INCHES ON CENTER AND SECURE TO POSTS WITH METAL BANDS SPACED 15-INCHES ON CENTER.

L. TIE WIRES: USE U-SHAPED WIRE APPROPRIATE FOR THE DIAMETER OF PIPE. ATTACH PIPE AND FABRIC FIRMLY WITH TIE WIRE ENDS TWISTED AT LEAST TWO FULL TURNS. BEND ENDS OF WIRE TO MINIMIZE HAZARD TO PERSONS OR CLOTHING.

M. FASTENERS: INSTALL NUTS FOR TENSION BAND AND HARDWARE BOLTS ON SIDE OF FENCE OPPOSITE FABRIC SIDE. PEEN ENDS OF BOLTS OR SCORE THREADS TO PREVENT REMOVAL OF NUTS.

N. CONTRACTOR MAY BE REQUIRED TO MAKE MINOR ADJUSTMENTS TO THE EXISTING GRADE SO THAT THE BOTTOM CLEARANCE BETWEEN THE FENCE AND GROUND IS UNIFORM.

O. PRIVACY SLATS: FIELD WEAVE PRIVACY SLATS DIAGONALLY EACH WAY THROUGH FENCE FABRIC, SUCH THAT THERE IS A DOUBLE-SLAT COVERAGE FOR SCREENING PURPOSES.

P. GATES: SHALL BE INSTALLED IN ACCORDANCE WITH ASTM F567.

3.02 CLEANING

A. PERFORM CLEANING DURING INSTALLATION OF THE WORK AND UPON COMPLETION OF THE WORK. REMOVE FROM SITE ALL DEBRIS AND EQUIPMENT. REPAIR ALL DAMAGE RESULTING FROM CHAIN LINK FENCE SYSTEM INSTALLATION.

B. WHERE THE FACTORY FINISH IS DAMAGED, CONTRACTOR SHALL TOUCH UP FINISH WITH A COATING SUPPLIED BY THE MANUFACTURER.

END OF SECTION

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237 COLISEUM DRIVE MACON, GEORGIA

GEORGIA REGISTERED NO. 28336 PROFESSIONAL ENGINEER MICHAEL R. REEVES 5/26/16

BID SET
LEVEL II CERTIFICATION 18214

ISSUANCES

03-15-2016	PRELIMINARY DESIGN
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CONSTRUCTION SPECIFICATIONS

C05

CONCRETE PAVING

PART 1 - GENERAL

1.01 SCOPE

A. CONCRETE PAVED AREAS SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE, AT THE LOCATIONS AND TO THE DIMENSIONS, LINES, GRADES AND CROSS SECTION INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER, AND IN CONFORMITY WITH THE PROVISIONS AND REQUIREMENTS SET OUT IN THESE SPECIFICATIONS.

B. CONCRETE PAVED AREAS SHALL INCLUDE ALL THE NECESSARY EXCAVATION, UNLESS OTHERWISE INDICATED, SUBGRADE AND SUBBASE PREPARATION, BACKFILLING, FINAL CLEARING UP AND COMPLETING ALL INCIDENTALS THERETO, AS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.

PART 2 - PRODUCTS

2.01 CONCRETE MATERIALS

A. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF NOT LESS THAN 4,000 PSI, WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45 AND A SLUMP BETWEEN 3 AND 4-INCHES. READY-MIXED CONCRETE SHALL BE MIXED AND TRANSPORTED IN ACCORDANCE WITH ASTM C 94.

B. AGGREGATES: AGGREGATES SHALL CONFORM TO REQUIREMENTS OF ASTM C 33.

C. WATER: MIXING WATER FOR CONCRETE SHALL BE FRESH, CLEAN AND POTABLE.

D. CRUSHED STONE FOR BASE SHALL MEET THE GRADATION REQUIREMENTS FOR SIZE 7 OR 8 AS SPECIFIED IN ASTM D 448 OR AASHTO M43.

E. ADMIXTURES: FOR EACH 100 POUNDS OF CEMENT THE FOLLOWING AMOUNT OF ADMIXTURE SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS:

1. FOR AIR TEMPERATURES BELOW 70 DEGREES F, PROVIDE 3 TO 6 OUNCES OF MASTER BUILDER'S POZZOLITH 344-N (OR 122-N) OR 2 OUNCES OF SIKA CHEMICAL COMPANY'S PLASTOCRETE-A.
2. FOR AIR TEMPERATURES ABOVE 70 DEGREES F, PROVIDE 3 OUNCES OF MASTER BUILDER'S POZZOLITH 300-R OR 3 OUNCES OF SIKA CHEMICAL COMPANY'S PLASTOCRETE-A.
3. AN AIR-ENTRAINING ADMIXTURE CONFORMING TO THE REQUIREMENTS OF ASTM C 260, EQUAL TO MASTER BUILDER'S MB-AE 10, SHALL BE USED IN ALL CONCRETE EXPOSED TO FREEZING TEMPERATURES. THE AIR CONTENT OF FRESHLY MIXED AIR-ENTRAINED CONCRETE, AS DETERMINED BY THE METHOD OF ASTM C 233, SHALL BE NOT LESS THAN THREE PERCENT NOR MORE THAN SIX PERCENT. THE AIR-ENTRAINING ADMIXTURE IS IN ADDITION TO THE ADMIXTURE SPECIFIED IN PARAGRAPHS 1. OR 2. ABOVE.

2.02 FORM MATERIAL

A. FORMS MAY BE CONSTRUCTED OF WOOD OR METAL.

B. THE LUMBER TO BE USED IN THE CONSTRUCTION OF WOOD FORMS SHALL BE FREE OF BULGE OR WARP, OF UNIFORM WIDTH, NOT LESS THAN 2-INCHES (COMMERCIAL) IN THICKNESS, EXCEPT THAT 1-INCH THICKNESS MAY BE USED ON CURVES AND SHALL BE SOUND AND FREE FROM LOOSE KNOTS. STAKES SHALL BE NOT LESS THAN 2 X 4-INCH LUMBER OF SUFFICIENT LENGTH THAT, WHEN DRIVEN, THEY WILL HOLD THE FORMS RIGIDLY IN PLACE.

C. METAL FORMS SHALL BE OF APPROVED SECTIONS AND SHALL HAVE A FLAT SURFACE ON TOP. THEY SHALL PRESENT A SMOOTH SURFACE OF THE DESIRED CONTOUR, SUFFICIENTLY THICK AND BRACED TO WITHSTAND THE WEIGHT OF THE CONCRETE WITHOUT BULGING OR BECOMING DISPLACED.

D. FORM OIL: FORM OIL SHALL BE NON-STAINING, PARAFFIN BASE TYPE OIL EQUAL TO "CHEVRON K PALE 40" AS MANUFACTURED BY STANDARD OIL COMPANY.

2.03 CURING AND SEALING COMPOUNDS

A. CURING COMPOUND SHALL BE ACRYLIC BASED, CONFORMING TO ASTM C 309.

B. SEALING COMPOUND SHALL BE ONE OF THE FOLLOWING:

1. MASTERSEAL 340, MANUFACTURED BY MASTER BUILDERS
2. SIKAGUARD 701W, MANUFACTURED BY SIKA CORPORATION
3. SUPER REZ SEAL, MANUFACTURED BY EUCLID CHEMICAL COMPANY

2.04 JOINT FILLER

JOINT FILLER SHALL BE A NON-EXTRUDING JOINT MATERIAL CONFORMING TO AASHTO M213 FOR PREFORMED EXPANSION JOINT FILLERS FOR CONCRETE PAVING AND STRUCTURAL CONSTRUCTION (NON-EXTRUDING AND RESILIENT BITUMINOUS TYPES). THE FILLER FOR EACH JOINT SHALL BE FURNISHED IN A SINGLE PIECE FOR THE FULL DEPTH AND WIDTH REQUIRED FOR THE JOINT UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.

2.05 CONCRETE REINFORCEMENT

A. REINFORCEMENT BARS: BAR REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 615 GRADE 60. THE REINFORCEMENT SHALL BE BENT COLD TO THE SHAPES INDICATED ON THE DRAWINGS. THIS SHALL BE DONE IN THE SHOP, BEFORE SHIPMENT, AND NOT IN THE FIELD, UNLESS OTHERWISE NOTED ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.

B. BENDING: HOOKS OF 90 DEGREES SHALL HAVE A RADIUS OF BEND ON THE AXIS OF THE BAR OF NOT LESS THAN SIX BAR DIAMETERS PLUS AN EXTENSION OF 12 BAR DIAMETERS AT THE FREE END.

PART 3 - EXECUTION

3.01 EQUIPMENT

A. A ONE BAG MIXER WILL BE PERMITTED WHEN THE TOTAL OUTPUT OF CONCRETE, PER 10 HOUR DAY, DOES NOT EXCEED 25 CUBIC YARDS.

B. SATISFACTORY FLOATS, EDGERS, SPADES AND TAMPS SHALL BE FURNISHED. TAMPS OF NOT OVER 8-INCH DIAMETER AND WEIGHING NOT LESS THAN 25 POUNDS SHALL BE PROVIDED FOR TAMPING SUBGRADE. A 10 FOOT LONGITUDINAL FLOAT OF THE INVERTED T-TYPE WITH PLOUGH HANDLES ATTACHED FOR MANIPULATION, AND A RIGID FLOAT NOT LESS THAN 18-INCHES LONGER THAN THE WIDTH OF THE WALK BEING CONSTRUCTED, SHALL BE PROVIDED.

3.02 SUBGRADE PREPARATION

A. THE SUBGRADE FOR CONCRETE PAVED AREAS SHALL BE FORMED BY EXCAVATION TO A DEPTH EQUAL TO THE THICKNESS OF THE CONCRETE +2-INCHES.

B. ALL SUBGRADE SHALL BE OF SUCH WIDTH AS TO PERMIT THE PROPER INSTALLATION AND BRACING OF THE FORMS.

C. YIELDING, OR UNSUITABLE MATERIAL SHALL BE REMOVED AND BACKFILLED WITH SATISFACTORY MATERIAL. PLACE 6-INCHES OF GRADED AGGREGATE BASE UNDER COMMERCIAL/INDUSTRIAL CONCRETE PAVED AREAS (UNLESS OTHERWISE NOTED ON CONSTRUCTION DRAWINGS), COMPACTED THOROUGHLY AND FINISHED TO A SMOOTH, UNYIELDING SURFACE AND PROPER LINE, GRADE AND CROSS SECTION OF THE PROPOSED CONSTRUCTION.

3.03 FORMS

A. ALL FORMS SHALL BE SET UPON THE PREPARED SUBGRADE, TRUE TO LINES AND GRADE, AND HELD RIGIDLY IN PLACE SO AS NOT TO BE DISTURBED OR DISPLACED DURING THE PLACING OF THE CONCRETE. THE TOP OF THE FORM SHALL BE SET TO EXACT GRADE AND THE HEIGHT SHALL BE EQUAL TO NOT LESS THAN THE THICKNESS OF THE PROPOSED CONCRETE.

B. ALL FORMS SHALL BE SO CONSTRUCTED AS TO FORM THE CROSS SECTION, CONTOUR, ETC., OF THE PROPOSED CONSTRUCTION.

C. IMMEDIATELY BEFORE PLACING THE CONCRETE, THE FORMS SHALL BE GIVEN A COAT OF LIGHT OIL AND WHERE BEING REMOVED AND USED AGAIN, THE FORMS SHALL BE THOROUGHLY CLEANED AND OILED EACH TIME.

D. FORMS SHALL BE REMOVED WITHIN 24 HOURS AFTER PLACING CONCRETE AND NO PRESSURE SHALL BE EXERTED UPON THE CONCRETE IN REMOVING FORMS.

3.04 EXPANSION JOINTS

A. UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER, PREMOULDED EXPANSION JOINT FILLER, 1/2-INCH IN THICKNESS, SHALL BE PLACED AT THE LOCATIONS AND IN LINE WITH EXPANSION JOINTS IN THE ADJOINING PAVEMENT, GUTTER OR CURB. WHEN EXPANSION JOINTS ARE NOT REQUIRED IN THE ADJOINING PAVEMENT OR GUTTER, AND NOT OTHERWISE INDICATED ON THE DRAWINGS, A 1/2-INCH PREMOULDED EXPANSION JOINT FILLER SHALL BE PLACED AT INTERVALS OF NOT OVER 60 FEET APART. ALL PREMOULDED EXPANSION JOINT FILLER MUST BE CUT TO FULL WIDTH OR LENGTH OF THE PROPOSED CONSTRUCTION AND SHALL EXTEND TO WITHIN 1/2-INCH OF THE TOP OR FINISHED SURFACE. ALL LONGITUDINAL EXPANSION JOINTS SHALL BE PLACED AS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.

B. ALL EXPANSION JOINTS SHALL BE TRUE, EVEN AND PRESENT A SATISFACTORY APPEARANCE.

C. ALL EXPANSION JOINT MATERIAL PROTRUDING AFTER THE CONCRETE HAS BEEN FINISHED SHALL BE TRIMMED AS DIRECTED BY THE ENGINEER.

3.05 CONTRACTION / WEAKENED PLANE JOINTS

A. GROOVES SHALL BE PLACED SO AS TO CAUSE CONTRACTION (OR WEAKENED PLANE) JOINTS TO BE PLACED AT A GROOVE LINE, WHERE PRACTICAL. THE GROOVES SHALL BE SPACED APPROXIMATELY TWELVE TO FIFTEEN FEET APART AND THE BLOCKS SHALL BE RECTANGULAR UNLESS OTHERWISE ORDERED BY THE ENGINEER. THE GROOVES SHALL BE CUT TO A DEPTH EQUAL TO ¼ OF THE CONCRETE THICKNESS UNLESS OTHERWISE SHOWN.

B. THE EDGES OF THE CONCRETE AT CONTRACTION JOINTS SHALL BE ROUNDED WITH AN EDGING TOOL HAVING A RADIUS OF 1/4-INCH. THE TOP AND ENDS, WHERE PRACTICABLE, OF EXPANSION JOINT MATERIAL SHALL BE CLEANED OF ALL CONCRETE AND THE EXPANSION JOINT MATERIAL SHALL BE TRIMMED SO AS TO BE SLIGHTLY BELOW THE SURFACE OF THE CONCRETE. ALL MARKS CAUSED BY EDGING SHALL BE REMOVED WITH A WETTED BRUSH OR WOODEN FLOAT SO AS TO GIVE THE SURFACE A UNIFORM TEXTURE AND FINISH.

3.06 PLACING AND FASTENING OF REINFORCING

A. UNLESS OTHERWISE CALLED FOR, PROVISIONS OF THE AMERICAN CONCRETE INSTITUTE'S "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) SHALL BE STRICTLY FOLLOWED.

B. NO SPLICING OF BARS, EXCEPT AS AUTHORIZED BY THE ENGINEER, WILL BE PERMITTED.

C. SPLICES WHICH ARE PERMITTED, SHALL HAVE A LAP OF NOT LESS THAN FORTY TIMES THE DIAMETER OF THE BAR, UNLESS OTHERWISE SHOWN. SPLICES SHALL BE WELL DISTRIBUTED OR OTHERWISE LOCATED AT POINTS OF LOW TENSILE STRESS.

3.07 MANUFACTURING AND PLACING CONCRETE

A. IMMEDIATELY BEFORE PLACING CONCRETE, THE DEPTH OF THE PROPOSED CONCRETE SHALL BE CHECKED BY MEANS OF A TEMPLATE CUT TRUE TO THE CROSS SECTION OF THE PROPOSED CONSTRUCTION AND ANY IRREGULARITIES SHALL BE CORRECTED.

B. IMMEDIATELY BEFORE PLACING CONCRETE, ALL SUBGRADE SHALL BE THOROUGHLY SPRINKLED OR WETTED.

C. CONCRETE SHALL NOT BE PLACED UPON A FROZEN SUBGRADE OR SUBBASE.

D. CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT GROOVES OR AT EXPANSION JOINTS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

E. THE BATCH SHALL BE SO CHARGED INTO THE MIXER THAT SOME WATER WILL ENTER IN ADVANCE OF THE CEMENT AND AGGREGATES. WATER SHALL CONTINUE TO FLOW FOR A PERIOD WHICH MAY EXTEND TO THE END OF THE FIRST 25 PERCENT OF THE SPECIFIED MIXING TIME. CONTROLS SHALL BE PROVIDED TO INSURE THAT THE BATCH CANNOT BE DISCHARGED UNTIL THE REQUIRED MIXING TIME HAS ELAPSED. WHEN CONCRETE OF NORMAL WEIGHT IS SPECIFIED, CONTROLS SHALL BE PROVIDED TO INSURE THAT NO ADDITIONAL WATER MAY BE ADDED DURING MIXING. THE ENTIRE BATCH SHALL BE DISCHARGED BEFORE MIXER IS RECHARGED.

F. EACH BATCH OF TWO CUBIC YARDS OR LESS SHALL BE MIXED FOR NOT LESS THAN 1-1/2 MINUTES. THE MIXING TIME SHALL BE INCREASED 15 SECONDS FOR EACH ADDITIONAL CUBIC YARD OR FRACTION THEREOF.

G. THE MIXER SHALL BE CLEAN AND THE PICKUP AND THROWOVER BLADES IN THE DRUM SHALL BE REPLACED WHEN THEY HAVE LOST 10 PERCENT OF THEIR ORIGINAL DEPTH.

H. ADMIXTURES

1. AIR-ENTRAINING AND CHEMICAL ADMIXTURES SHALL BE CHARGED INTO THE MIXER AS A SOLUTION AND SHALL BE DISPENSED BY AN AUTOMATIC DISPENSER OR SIMILAR METERING DEVICE. POWDERED ADMIXTURES SHALL BE WEIGHED OR MEASURED BY VOLUME AS RECOMMENDED BY THE MANUFACTURER. THE ACCURACY OF MEASUREMENT OF ANY ADMIXTURE SHALL BE WITHIN ± THREE PERCENT.
2. ADDITION OF RETARDING ADMIXTURES SHALL NOT BE SIGNIFICANTLY DELAYED AFTER THE ADDITION OF THE CEMENT.

I. THE CONCRETE SHALL BE PLACED IMMEDIATELY AFTER MIXING; THE EDGES, SIDES, ETC., SHALL BE THOROUGHLY SPADED AND THE SURFACES TAMPED SUFFICIENTLY TO THOROUGHLY COMPACT THE CONCRETE AND BRING THE MORTAR TO THE SURFACE. THE CONCRETE SHALL BE DEPOSITED AND COMPACTED IN A SINGLE LAYER.

3.08 PLACING

A. BEFORE CONCRETE IS PLACED, STEEL FORMS SHALL BE UNIFORMLY COATED WITH FORM OIL AND WOOD FORMS SHALL BE THOROUGHLY WETTED.

B. CONCRETE SHALL BE PLACED TO AVOID THE SEGREGATION OR SEPARATION OF AGGREGATES, AND DISPLACEMENT OF REINFORCING. CONCRETE SHALL NOT BE ALLOWED TO DROP FREELY MORE THAN FOUR FEET.

C. ALL CONCRETE SHALL BE PLACED IN DAYLIGHT. THE PLACING OF CONCRETE IN ANY PORTION OF THE WORK SHALL NOT BE BEGIN IF SUCH WORK CANNOT BE COMPLETED DURING DAYLIGHT.

D. CONCRETE SHALL NOT BE PLACED WHEN THE ATMOSPHERIC TEMPERATURE IS BELOW 40 DEGREES F. IF AFTER PLACING CONCRETE THE TEMPERATURE DROPS BELOW 40 DEGREES F, THE CONTRACTOR SHALL ENCLOSE, HEAT AND PROTECT THE WORK IN A MANNER TO KEEP THE AIR SURROUNDING THE FRESH CONCRETE AT A TEMPERATURE OF NOT LESS THAN 45 DEGREES F FOR A PERIOD OF FIVE DAYS AFTER CONCRETE IS PLACED.

E. CONCRETE SHALL BE COMPACTED BY THE USE OF MECHANICAL INTERNAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND SPADING. VIBRATING SHALL NOT BE USED TO TRANSPORT CONCRETE WITHIN FORMS. INTERNAL VIBRATORS SHALL MAINTAIN A SPEED OF AT LEAST 5,000 IMPULSES PER MINUTE WHEN SUBMERGED IN CONCRETE.

F. KEYS SHALL BE FORMED IN ALL CONSTRUCTION JOINTS AS INDICATED ON THE DRAWINGS AND AS DIRECTED BY THE ENGINEER.

3.09 CURING

A. CURING SHALL CONFORM TO ACI 308 EXCEPT AS MODIFIED HEREIN.

B. AFTER PLACEMENT AND FINISHING, CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR AT LEAST SEVEN SUCCESSIVE DAYS DURING WHICH THE TEMPERATURE OF THE CONCRETE IS 50 DEGREES F OR ABOVE. FOR TEMPERATURES OF 50 DEGREES F AND BELOW, CURING PERIOD SHALL BE 14 SUCCESSIVE DAYS. CONCRETE SHALL BE KEPT MOIST BY ANY ONE, OR COMBINATION, OF THE FOLLOWING METHODS:

1. PONDING OR IMMERSION: CONTINUALLY IMMERSE THE CONCRETE IN WATER THROUGHOUT THE CURING PERIOD. WATER SHALL NOT BE MORE THAN 20 DEGREES F LESS THAN THE TEMPERATURE OF THE CONCRETE.
2. FOG SPRAYING OR SPRINKLING: PROVIDE UNIFORM AND CONTINUOUS APPLICATION OF WATER THROUGHOUT THE CURING PERIOD.
3. PERVIOUS SHEETING: COMPLETELY COVER SURFACE AND EDGES OF THE CONCRETE WITH TWO THICKNESSES OF WET SHEETING. OVERLAP SHEETING 6-INCHES OVER ADJACENT SHEETING. SHEETING SHALL BE AT LEAST AS LONG AS THE WIDTH OF THE SURFACE TO BE CURED. DURING APPLICATION, DO NOT DRAG THE SHEETING OVER THE FINISHED CONCRETE NOR OVER SHEETING ALREADY PLACED. WET SHEETING THOROUGHLY AND KEEP CONTINUOUSLY WET THROUGHOUT THE CURING PERIOD.
4. IMPERVIOUS SHEETING: WET THE ENTIRE EXPOSED SURFACE OF THE CONCRETE THOROUGHLY WITH A FINE SPRAY OF WATER AND COVER WITH IMPERVIOUS SHEETING THROUGHOUT THE CURING PERIOD. LAY SHEETING DIRECTLY ON THE CONCRETE SURFACE AND OVERLAP EDGES 12-INCHES MINIMUM. PROVIDE SHEETING NOT LESS THAN 18-INCHES WIDER THAN THE CONCRETE SURFACE TO BE CURED. SECURE EDGES AND TRANSVERSE LAPS TO FORM CLOSED JOINTS. REPAIR TORN OR DAMAGED SHEETING OR PROVIDE NEW SHEETING. INSPECT SURFACE OF CONCRETE DAILY FOR WETNESS. THE SURFACE SHALL BE KEPT CONTINUOUSLY WET DURING THE CURING PERIOD.

3.10 FINISHING

A. THE CONCRETE SHALL BE STRUCK-OFF WITH A TRANSVERSE TEMPLATE RESTING UPON THE SIDE FORMS AND THEN SHALL BE FLOATED WITH A 10 FOOT LONGITUDINAL FLOAT WORKING THE FLOAT TRANSVERSELY ACROSS THE CONCRETE WITH A SAWING MOTION, ALWAYS MAINTAINING IT PARALLEL TO THE EDGES OF THE CONCRETE PAVED AREA, WHERE PRACTICABLE, AND IN SUCH A MANNER THAT ALL SURPLUS WATER, LAITANCE AND INERT MATERIAL SHALL BE REMOVED FROM THE SURFACE. THIS OPERATION SHALL BE CONTINUED UNTIL THE SURFACE OF THE CONCRETE SHOWS NO VARIATION FROM A 10 FOOT STRAIGHTEDGE. IF NECESSARY, ADDITIONAL CONCRETE SHALL BE ADDED TO FILL DEPRESSIONS, AND THE LONGITUDINAL FLOAT USED AGAIN. THE LONGITUDINAL FLOAT SHALL NOT BE MOVED AHEAD MORE THAN ONE-HALF ITS LENGTH AT ANY TIME.

B. WHEN THE SURFACE OF THE CONCRETE IS FREE FROM WATER AND JUST BEFORE THE CONCRETE OBTAINS ITS INITIAL SET, IT SHALL BE GONE OVER AND FINISHED WITH A WOODEN FLOAT SO AS TO PRODUCE A SANDY TEXTURE. THE LONGITUDINAL SURFACE VARIATIONS SHALL BE NOT MORE THAN 1/4-INCH UNDER A 12 FOOT STRAIGHTEDGE, NOR MORE THAN 1/8-INCH ON A FIVE FOOT TRANSVERSE SECTION. THE SURFACE OF THE CONCRETE MUST BE FINISHED SO AS TO DRAIN COMPLETELY AT ALL TIMES.

C. THE EDGES OF THE CONCRETE PAVED AREAS SHALL BE CAREFULLY FINISHED AND ROUNDED WITH AN EDGING TOOL HAVING A RADIUS OF 1/2-INCH.

3.11 PROTECTION

A. IF THE TEMPERATURE FALLS TO BELOW FREEZING, SATISFACTORY HEATING DEVICES SHALL BE PLACED UNDER SUITABLE COVERS TO KEEP THE TEMPERATURE AROUND THE CONCRETE AT ABOVE 45 DEGREES F.

B. PEDESTRIANS WILL NOT BE ALLOWED UPON CONCRETE PAVED AREAS UNTIL 12 HOURS AFTER FINISHING CONCRETE, AND NO VEHICLES OR LOADS SHALL BE PERMITTED UPON ANY NEWLY PAVED AREA UNTIL THE CONCRETE HAS ATTAINED SUFFICIENT STRENGTH FOR SUCH TRAFFIC.

C. THE CONTRACTOR SHALL CONSTRUCT SUCH BARRICADES AND PROTECTION DEVICES AS ARE NECESSARY TO KEEP PEDESTRIANS AND TRAFFIC OFF THE NEWLY PAVED AREAS.

D. IF ANY CONCRETE PAVED AREA IS DAMAGED AT ANY TIME PREVIOUS TO FINAL ACCEPTANCE OF THE PROJECT, IT SHALL BE REPAIRED BY REMOVING ALL CONCRETE WITHIN THE LIMITS OF THE GROOVES, AND BE REPLACED, AT THE CONTRACTOR'S EXPENSE, WITH CONCRETE OF THE TYPE, KIND AND FINISH IN THE ORIGINAL CONSTRUCTION.

3.12 BACKFILLING

IMMEDIATELY AFTER THE CONCRETE HAS SET SUFFICIENTLY, THE SPACES ALONG THE SIDES OR EDGES OF THE NEWLY PAVED AREAS SHALL BE REFILLED WITH SUITABLE MATERIAL, THIS MATERIAL SHALL BE COMPACTED IN LAYERS OF NOT OVER 4-INCHES EACH, UNTIL FIRM AND SOLID.

3.13 TESTING

A. ALL TESTING SHALL BE PERFORMED BY AN INDEPENDENT LABORATORY, SELECTED AND PAID FOR BY THE OWNER.

B. REQUIRED TESTS: THE FOLLOWING TESTS OF MATERIALS AND CONCRETE ARE REQUIRED TO BE CONDUCTED IN ACCORDANCE WITH THE CURRENT ASTM STANDARDS.

1. TEST CYLINDERS: CYLINDERS SHALL BE MADE AND CURED IN ACCORDANCE WITH ASTM C 31. ONE SET OF FIVE CYLINDERS FROM THE SAME BATCH OF CONCRETE SHALL BE MADE FOR EACH DAY'S PLACING OF CONCRETE.
2. TWO CYLINDERS FROM EACH SET SHALL BE BROKEN AT SEVEN DAYS AND TWO AT 28 DAYS IN ACCORDANCE WITH ASTM C 39. THE TEST RESULTS SHALL BE THE AVERAGE OF THE STRENGTHS OF THE CYLINDERS TESTED AT 28 DAYS. ONE CYLINDER SHALL BE HELD AS A SPARE TO BE BROKEN AT 56 DAYS IN THE EVENT THAT CYLINDERS BROKEN AT 28 DAYS DO NOT MEET SPECIFIED VALUES.
3. ALL SAMPLING, MOLDING, TRANSPORTING, STORING, CURING, PREPARATION FOR BREAKING AND TESTING OF CYLINDERS SHALL BE THE RESPONSIBILITY OF THE LABORATORY AND SHALL BE PERFORMED BY QUALIFIED LABORATORY PERSONNEL. THE CONTRACTOR SHALL SUPPLY WHEELBARROWS, SHOVELS, MIXING BOARDS AND SHADED AREA FOR MOLDING CYLINDERS, AND SIMILAR EQUIPMENT REQUIRED BY THE LABORATORY REPRESENTATIVE FOR MOLDING TEST CYLINDERS.
4. SLUMP TESTS: AT LEAST TWO SLUMP TESTS SHALL BE MADE ON EACH DAY THAT CONCRETE IS PLACED. ONE SLUMP TEST SHALL BE MADE AT THE TIME CYLINDERS ARE MADE FOR COMPRESSION TESTS. TESTS SHALL MEET ASTM C 143.

3.14 IMPERFECT OR DAMAGED WORK

DEFECTIVE OR DAMAGED WORK, OR ANY WORK DAMAGED BEFORE FINAL ACCEPTANCE, SHALL BE SATISFACTORILY REMOVED AND REPLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. REMOVAL AND REPLACEMENT OF CONCRETE WORK SHALL BE DONE IN SUCH A MANNER THAT THE STRENGTH OF THE STRUCTURE WILL NOT BE IMPAIRED. ALL TESTING REQUIRED TO VERIFY COMPLIANCE WITH THE SPECIFICATIONS AND ACI CODE SHALL BE PAID FOR BY THE CONTRACTOR. ALL REMOVING AND REPLACING OF CONCRETE IS SUBJECT TO INSPECTION BY THE ENGINEER.

3.15 PATCHING

A. AS DETERMINED BY THE ENGINEER, ANY CONCRETE WHICH IS OUT OF ALIGNMENT OR LEVEL, HAS A DEFECTIVE SURFACE OR HAS DEFECTS WHICH REDUCE ITS STRUCTURAL ADEQUACY, SHALL BE CONSIDERED AS NOT CONFORMING WITH THE DRAWINGS AND SPECIFICATIONS AND SHALL BE REJECTED.

B. DO NOT TAKE ANY REMEDIAL ACTION ON CONCRETE WITH ANY DEFECT WITHOUT THE PERMISSION OF THE ENGINEER.

C. UNLESS THE ENGINEER GRANTS PERMISSION TO PATCH THE REJECTED CONCRETE, REMOVE THE REJECTED CONCRETE AND REPLACE IT WITH CONCRETE THAT CONFORMS TO THE DRAWINGS AND SPECIFICATIONS. THE LOCATION OF CUT LINES AND THE EXTENT OF REMOVAL WILL BE DETERMINED BY THE ENGINEER.

D. IF THE ENGINEER GRANTS PERMISSION TO PATCH THE REJECTED CONCRETE, IT SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING:

1. PERMISSION TO PATCH REJECTED CONCRETE WILL NOT BE A WAIVER OF THE ENGINEER'S RIGHT TO REQUIRE COMPLETE REMOVAL OF THE REJECTED CONCRETE IF THE PATCHING DOES NOT, IN THE ENGINEER'S JUDGMENT, RESTORE THE CONCRETE TO THE REQUIREMENTS OF THE SPECIFICATIONS AND DRAWINGS.
2. PATCHING SHALL BE ACCOMPLISHED AFTER THE CURING IS COMPLETED.
3. DEFECTIVE AREAS SHALL BE CHIPPED AWAY TO A DEPTH OF NOT LESS THAN 1-INCH, IN ALL CASES TO SOUND CONCRETE, WITH EDGES PERPENDICULAR TO THE SURFACE. FEATHER EDGES WILL NOT BE PERMITTED. REMOVE ALL LOOSE MATERIAL AND THOROUGHLY CLEAN THE CHIPPED SURFACES WITH A HIGH PRESSURE AIR HOSE DELIVERING AIR AT 100 PSI. THE AREA TO BE PATCHED AND AN AREA AT LEAST 6-INCHES WIDE SURROUNDING IT SHALL BE DAMPENED. A BONDING GROUT SHALL BE PREPARED USING A MIX OF APPROXIMATELY ONE PART CEMENT TO ONE PART FINE SAND PASSING A NO. 30 MESH SIEVE, MIXED TO THE CONSISTENCY OF THICK CREAM, AND THEN WELL BRUSHED INTO THE SURFACES AS NOTED BELOW.
4. THE PATCHING MIXTURE SHALL BE MADE OF THE SAME MATERIALS AND OF APPROXIMATELY THE SAME PORTIONS AS USED FOR THE ORIGINAL CONCRETE, EXCEPT THAT THE COARSE AGGREGATE SHALL BE OMITTED AND THE MORTAR SHALL CONSIST OF NOT MORE THAN ONE PART CEMENT TO TWO AND ONE-HALF PARTS SAND BY DAMP, LOOSE VOLUME. WHITE PORTLAND CEMENT SHALL BE SUBSTITUTED FOR A PART OF THE GRAY PORTLAND CEMENT TO PRODUCE A COLOR MATCHING THE COLOR OF THE SURROUNDING CONCRETE, AS DETERMINED BY A TRIAL PATCH. THE QUANTITY OF MIXING WATER SHALL BE NO MORE THAN NECESSARY FOR HANDLING AND PLACING. THE PATCHING MORTAR SHALL BE MIXED IN ADVANCE AND ALLOWED TO STAND WITH FREQUENT MANIPULATION WITH A TROWEL, WITHOUT ADDITION OF WATER, UNTIL IT HAS REACHED THE STIFFEST CONSISTENCY THAT WILL PERMIT PLACING.
5. AFTER SURFACE WATER HAS EVAPORATED FROM THE AREA TO BE PATCHED, THE BOND COAT SHALL BE WELL BRUSHED INTO THE SURFACE. WHEN THE BOND COAT BEGINS TO LOSE THE WATER SHEEN, THE PREMIXED PATCHING MORTAR SHALL BE APPLIED. THE MORTAR SHALL BE THOROUGHLY CONSOLIDATED INTO PLACE AND STRUCK OFF SO AS TO LEAVE THE PATCH SLIGHTLY HIGHER THAN THE SURROUNDING SURFACE. TO PERMIT INITIAL SHRINKAGE, IT SHALL BE LEFT UNDISTURBED FOR AT LEAST ONE HOUR BEFORE BEING FINALLY FINISHED. THE PATCHED AREA SHALL BE KEPT DAMP FOR SEVEN DAYS. FINISHING TOOLS THAT PRODUCE A FINISH MATCHING THE SURROUNDING SHALL BE USED.

END OF SECTION

PAVEMENT MARKINGS

PART 1 - GENERAL

1.01 QUALIFICATIONS

A. MANUFACTURER: COMPANY SPECIALIZING IN MANUFACTURING PRODUCTS SPECIFIED IN THIS SECTION WITH A MINIMUM 5 YEARS OF EXPERIENCE.

B. APPLICATOR: COMPANY SPECIALIZING IN PERFORMING WORK OF THIS SECTION WITH A MINIMUM 5 YEARS OF EXPERIENCE.

1.02 DELIVERY, STORAGE, AND HANDLING

A. INVERT CONTAINERS SEVERAL DAYS PRIOR TO USE WHEN PAINT HAS BEEN STORED MORE THAN TWO MONTHS. MINIMIZE EXPOSURE TO AIR WHEN TRANSFERRING PAINT. SEAL DRUMS AND TANKS WHEN NOT IN USE.

PART 2 - PRODUCTS

2.01 PAINTED PAVEMENT MARKINGS

A. ACCEPTABLE MANUFACTURERS:

1. ENNIS PAINT CO., (ENNISPAINT.COM).
2. FRANKLIN PAINT COMPANY (FRANKLINPAINT.COM).
3. EZ-LINER INDUSTRIES (EZLINER.COM).
4. TAPCO, INC. (TAPCONET.COM).
5. PERVO PAINT COMPANY (PERVO.COM).
6. OR APPROVED EQUAL BY THE OWNER.

B. WATERBORNE PAINT: READY MIXED, FAST DRY WATERBORNE TRAFFIC PAINTS, LEAD-FREE, NON-TOXIC, SUITABLE FOR ROADWAY OR PARKING LOTS.

C. THERMOPLASTIC: ALKYD BASED READY MIXED, FAST DRY, LEAD FREE, NON TOXIC, FOR ROADWAYS OR PARKING AREAS.

2.02 EQUIPMENT

A. ROADWAY APPLICATION FOR CONTINUOUS LONGITUDINAL LINES: USE EQUIPMENT WITH FOLLOWING CAPABILITIES.

1. DUAL NOZZLE PAINT GUN TO SIMULTANEOUSLY APPLY PARALLEL LINES OF INDICATED WIDTH IN SOLID OR BROKEN PATTERNS OR VARIOUS COMBINATIONS OF THOSE PATTERNS.
2. MEASURING DEVICE TO AUTOMATICALLY AND CONTINUOUSLY MEASURE LENGTH OF EACH LINE PLACED, TO NEAREST FOOT.
3. DEVICE TO HEAT PAINT TO MANUFACTURER'S TEMPERATURE RECOMMENDATION FOR FAST DRY AND THERMOPLASTIC APPLICATIONS.

B. MACHINE CALIBRATION: CALIBRATE MACHINES TO MEET SPECIFIED TOLERANCES TO MATCH THOSE OF THE MANUFACTURER'S RECOMMENDATIONS.

C. OTHER EQUIPMENT: FOR APPLICATION OF CROSSWALKS, INTERSECTIONS, STOP LINES, LEGENDS AND OTHER MISCELLANEOUS ITEMS BY WALK BEHIND STRIPERS, HAND SPRAY OR STENCIL TRUCKS, APPLY WITH EQUIPMENT MEETING REQUIREMENTS OF THIS SECTION. DO NOT USE HAND BRUSHES OR ROLLERS.

PART 3 - EXECUTION

3.01 GENERAL

A. DO NOT APPLY PAINT TO CONCRETE SURFACES UNTIL CONCRETE HAS CURED FOR 28 DAYS.

B. PAINT SHALL ADHERE TO ROAD SURFACE FORMING A SMOOTH CONTINUOUS FILM WITHIN ONE MINUTE OF THE APPLICATION.

C. PAINT SHALL BE TACK FREE WITHIN 10 MINUTES FOLLOWING APPLICATION.

D. DO NOT APPLY MATERIALS WHEN SURFACE AND AMBIENT TEMPERATURES ARE BEYOND THE FOLLOWING:

1. WATERBORNE PAINT: APPLY WHEN AMBIENT AIR TEMPERATURE AND SURFACE TEMPERATURE IS MINIMUM 40 DEGREES F AND RISING AND A MAXIMUM OF 160 DEGREES F.
2. THERMOPLASTIC: DO NOT APPLY UNTIL AMBIENT AIR TEMPERATURE AND TEMPERATURE OF THE PAVEMENT IS 50 DEGREES F OR HIGHER.
3. IF TEMPERATURES ARE OUTSIDE THE ACCEPTABLE RANGE OF THE PRODUCT MANUFACTURER.

E. DO NOT APPLY MATERIALS DURING RAIN OR SNOW OR WHEN THE RELATIVE HUMIDITY IS OUTSIDE HUMIDITY RANGES OR MOISTURE CONTENT OF SURFACES EXCEED THOSE REQUIRED BY PAINT PRODUCT MANUFACTURER.

3.02 PREPARATION

A. MAINTENANCE AND PROTECTION OF TRAFFIC:

1. PROVIDE TRAFFIC CONTROL WITH FLAGMEN AND DEVICES CERTIFIED BY THE GEORGIA DOT.
2. PREVENT TRAFFIC FROM INTERRUPTING THE APPLICATION OF THE MARKINGS. PROHIBIT TRAFFIC FROM THE PAINTED AREA(S) UNTIL THE MARKINGS ARE ACCEPTABLY DRY.
3. MAINTAIN ACCESS TO EXISTING BUSINESSES AND OTHER PROPERTIES REQUIRING ACCESS.

B. SURFACE PREPARATION.

1. CLEAN AND DRY PAVED SURFACE PRIOR TO PAINTING.
2. BLOW OR SWEEP SURFACE FREE OF DIRT, DEBRIS, OIL, GREASE, OR GASOLINE.

3.03 EXISTING WORK

A. REMOVE EXISTING MARKINGS IN AN ACCEPTABLE MANNER. DO NOT REMOVE EXISTING PAVEMENT MARKINGS BY PAINTING OVER WITH BLACK PAINT. REMOVE BY METHODS THAT WILL CAUSE LEAST DAMAGE TO PAVEMENT STRUCTURE OR PAVEMENT SURFACE. SATISFACTORILY REPAIR ANY PAVEMENT OR SURFACE DAMAGE CAUSED BY REMOVAL METHODS.

B. CLEAN AND REPAIR EXISTING OR REMAINING LINES AND LEGENDS.

3.04 APPLICATION

A. AGITATE PAINT FOR 10 - 15 MINUTES PRIOR TO APPLICATION TO ENSURE EVEN DISTRIBUTION OF PAINT PIGMENT.

B. DISPENSE PAINT AT TEMPERATURE RECOMMENDED BY MANUFACTURER TO WET-FILM THICKNESS OF 15 MILS.

C. DISPENSE THERMOPLASTIC AT TEMPERATURE RECOMMENDED BY MANUFACTURE TO THICKNESS OF:

1. 120 MILS FOR CENTER LINES, SKIP LINES, TRANSVERSE MARKINGS, AND LEGENDS.
2. 90 MILS FOR EDGE LINES DIAGONALS AND ARROW SYMBOLS.

D. APPLY MARKINGS TO INDICATED DIMENSIONS AT INDICATED LOCATIONS.

E. PREVENT SPLATTERING AND OVER SPRAY WHEN APPLYING MARKINGS.

F. UNLESS MATERIAL IS TRACK FREE AT END OF PAINT APPLICATION CONVOY, USE TRAFFIC CONES TO PROTECT MARKINGS FROM TRAFFIC UNTIL TRACK FREE.

G. IF A VEHICLE CROSSES A NEW MARKING AND TRACKS IT OR WHEN SPLATTERING OR OVERSPRAY OCCURS, REMOVE THE AFFECTED MARKING(S) AND RESULTANT TRACKING AND APPLY NEW MARKINGS.

H. COLLECT AND LEGALLY DISPOSE OF RESIDUES FROM PAINTING OPERATIONS.

3.05 APPLICATION TOLERANCES

A. MAXIMUM VARIATION FROM WET FILM THICKNESS: 1 MIL.

B. MAXIMUM VARIATION FROM WET PAINT LINE WIDTH: PLUS OR MINUS 1/8 INCH.

C. MAXIMUM VARIATION FROM SPECIFIED APPLICATION TEMPERATURE: PLUS OR MINUS 5 DEGREES F.

3.06 FIELD QUALITY CONTROL

A. INSPECT FOR INCORRECT LOCATION, INSUFFICIENT THICKNESS, LINE WIDTH, COVERAGE, RETENTION, UNCURED OR DISCOLORED MATERIAL, AND INSUFFICIENT BONDING.

B. REMOVE PAVEMENT MARKINGS THAT DO NOT MEET FOLLOWING CRITERIA:

1. INCORRECT LOCATION: REMOVE AND REPLACE INCORRECTLY PLACED PATTERNS.
2. INSUFFICIENT THICKNESS, LINE WIDTH, PAINT COVERAGE, RETENTION OR GLASS BEAD COVERAGE (WHERE REQUIRED): PREPARE DEFECTIVE MATERIAL BY ACCEPTABLY GRINDING OR BLAST CLEANING TO REMOVE SUBSTANTIAL AMOUNT OF BEADS AND TO ROUGHEN MARKING SURFACE. REMOVE LOOSE PARTICLES AND DEBRIS. APPLY NEW MARKINGS ON CLEANED SURFACE IN ACCORDANCE WITH THIS SECTION.
3. UNCURED OR DISCOLORED MATERIAL, INSUFFICIENT BONDING: REMOVE DEFECTIVE MARKINGS IN ACCORDANCE WITH THIS SECTION AND CLEAN PAVEMENT SURFACE ONE FOOT BEYOND AFFECTED AREA. APPLY NEW MARKINGS ON CLEANED SURFACE IN ACCORDANCE WITH THIS SECTION.

C. REPLACE FAILED OR DEFECTIVE MARKINGS IN ENTIRE SECTION OF DEFECTIVE MARKINGS WITHIN 30 DAYS AFTER NOTIFICATION WHEN ANY OF THE FOLLOWING EXISTS: MARKING IS DISCOLORED OR EXHIBITS PIGMENT LOSS AND IS DETERMINED TO BE UNACCEPTABLE BY VISUAL COMPARISON WITH BEADED COLOR PLATES.

D. WHEN ERADICATION OF EXISTING PAINT LINES IS NECESSARY, ERADICATE BY SHOT BLAST OR WATER BLAST METHOD. DO NOT GOUGE OR GROOVE PAVEMENT MORE THAN 1/16 INCH DURING REMOVAL. LIMIT AREA OF REMOVAL TO AREA OF MARKING PLUS 1 INCH ON ALL SIDES. PREVENT DAMAGE TO TRANSVERSE AND LONGITUDINAL JOINT SEALERS OR REPAIR AS NOTED IN THESE SPECIFICATIONS.

E. MAINTAIN DAILY LOG SHOWING WORK COMPLETE, RESULTS OF INSPECTIONS OR TESTS, PAVEMENT AND AIR TEMPERATURES, RELATIVE HUMIDITY, PRESENCE OF ANY MOISTURE ON PAVEMENT, AND ANY MATERIAL OR EQUIPMENT PROBLEMS. MAKE LEGIBLE ENTRIES IN LOG IN INK, SIGN, AND SUBMIT BY END OF EACH WORK DAY. ENTER ENVIRONMENTAL DATA INTO LOG PRIOR TO STARTING WORK EACH DAY AND AT TWO ADDITIONAL TIMES DURING DAY.

3.07 PROTECTION OF FINISHED WORK

PROTECT PAINTED PAVEMENT MARKINGS FROM VEHICULAR AND PEDESTRIAN TRAFFIC UNTIL PAINT IS DRY AND TRACK FREE. FOLLOW MANUFACTURER'S RECOMMENDATIONS OR USE MINIMUM OF 30 MINUTES FOR DRYING TIME.

3.08 SCHEDULES

A. PAVEMENT MARKINGS:

MARKING DESCRIPTION	MARKING LOCATION
4 INCH WHITE PAINT	PARKING LOT LINES
4 INCH YELLOW PAINT	PARKING LOT LANE LINES
24 INCH WHITE THERMOPLASTIC	STOP LINE
12 INCH SOLID WHITE THERMOPLASTIC	PEDESTRIAN CROSS WALK
4 INCH YELLOW THERMOPLASTIC	ROADWAY CENTER LINES
4 INCH WHITE THERMOPLASTIC	ROADWAY EDGE LINES

END OF SECTION

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RENOVATIONS OF THE
G A. SEC. OF STATE
OFFICE BLDG.
237 COLISEUM DRIVE MACON, GEORGIA

GEORGIA REGISTERED NO. 23336 PROFESSIONAL ENGINEER MICHAEL R. REEVES 5/26/16

BID SET
LEVEL II CERTIFICATION 18214

ISSUANCES

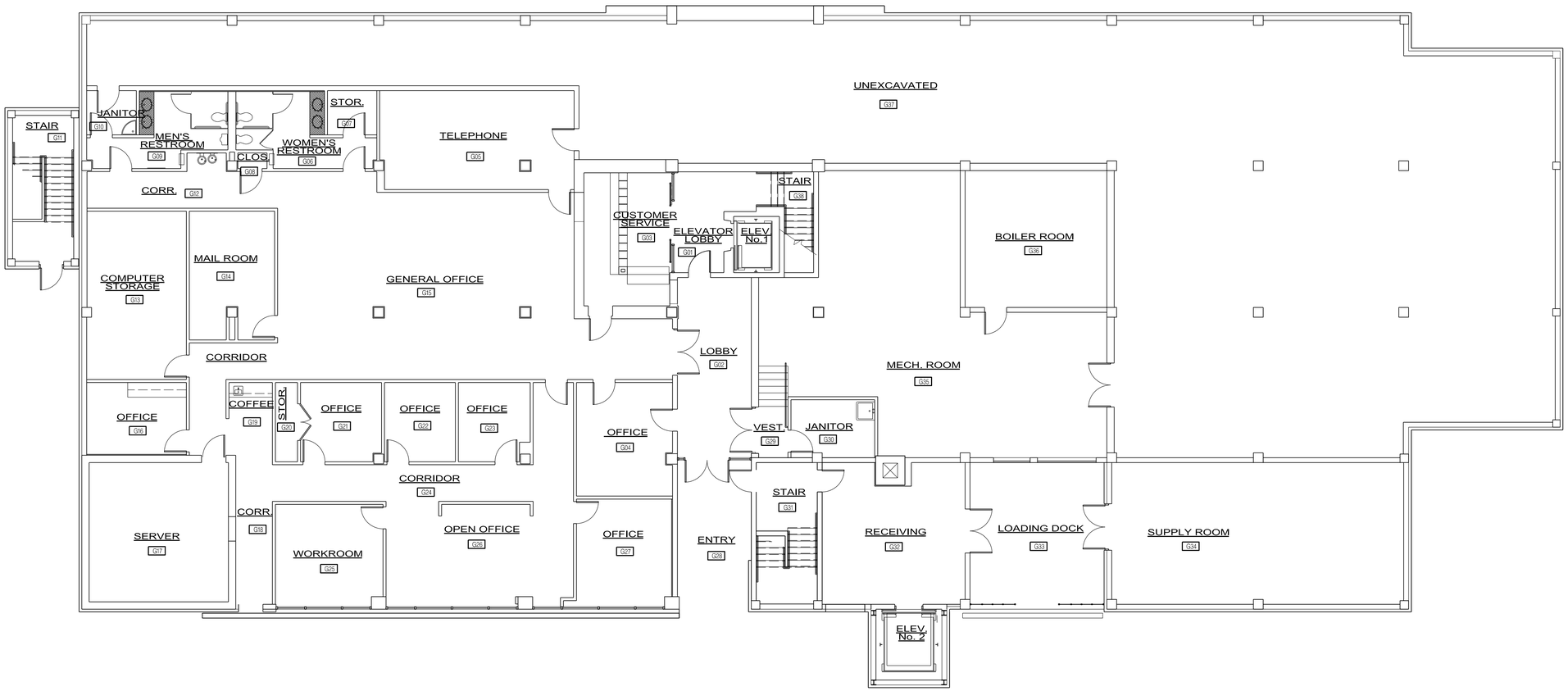
03-15-2016	PRELIMINARY DESIGN
05-26-2016	BID DRAWINGS

15—030

REEVES DESIGN
Services, LLC ◆ Consulting Engineers
4875 RIVERSIDE DRIVE / SUITE 107
MACON, GEORGIA 31210
478.747.6772
www.reevesdesign.net

CONSTRUCTION SPECIFICATIONS

C06



BASEMENT FLOOR PLAN - BLDG. "A"

SCALE 1/8" = 1'-0"

LEGEND:

INDICATES NEW COUNTERTOPS @ EXISTING VANITIES.

GRAPHIC SCALE IN FEET
0 10 20

GENERAL NOTES:

1.) ALL MATERIALS LISTED ON FINISH AND MATERIALS SCHEDULE ARE NEW UNLESS NOTED OTHERWISE AS EXISTING.
2.) REMOVE ALL WALLCOVERING, PATCH ALL DAMAGED AREAS & PAINT ALL WALLS.
3.) REPLACE DAMAGED ACOUSTICAL CEILING TILE, WITH OWNER FURNISHED MATERIALS AS DIRECTED.
4.) WATER DAMAGED AREAS – REMOVE EXISTING WATER DAMAGED MATERIALS, INSTALL NEW METAL FURRING CHANNELS, GYPSUM BOARD, FINISH & PAINT. COORDINATE NEWLY INSTALLED MATERIAL WITH WALL BASE, DOORS, WINDOWS AND OTHER ADJACENT MATERIALS
5.) REMOVE WALLCOVERING & PAINT @ NOTED AREA
6.) PAINT ALL EXPOSED METAL HANDRAILS, STRINGERS, ETC.
7.) NEW DOOR SILENCERS AT ALL METAL FRAMES (3 PER DOOR)
8.) AT ALL RESTROOMS REPLACE EXISTING ROLL PAPER HOLDERS AND ROBE HOOKS AT STALL DOORS, SEE SPECS.

ABBREVIATIONS

CER.	CERAMICTILE
EX.	EXISTING
FACT.	FACTORY
GYP.BD.	GYPSUM BOARD

FINISH & MATERIAL SCHEDULE

ROOM No.	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE MATERIAL	BASE FINISH	WALLS MATERIAL	WALLS FINISH	CEILING	REMARKS
G01	ELEVATOR LOBBY	EXISTING CERAMIC TILE	EXISTING	EX. CER. TILE	CLEAN	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G02	LOBBY	EXISTING CERAMIC TILE	EXISTING	EX. CER. TILE	CLEAN	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G03	CUSTOMER SERVICE	EX. CER. TILE & EX. RESILIENT	EXISTING	EX. C.T. & RESIL.	CLEAN★	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	★ REPLACE RESIL. BASE BEHIND COUNTER
G04	OFFICE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G05	TELEPHONE								
G06	WOMEN'S RESTROOM	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G07	STORAGE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G08	CLOSET	EXISTING RESILIENT	EXISTING	EX. RESILIENT	EXIST.	EXISTING GYPSUM BOARD	PAINT	EXIST. GYP. BOARD, PAINT	
G09	MEN'S RESTROOM	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G10	JANITOR								
G11	STAIR	EXISTING CONCRETE	EXISTING	EXISTING	PAINT	EXISTING CMU	PAINT		SEE GENERAL NOTE 6.
G12	CORRIDOR	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G13	COMPUTER STORAGE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G14	MAIL ROOM	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G15	GENERAL OFFICE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G16	OFFICE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G17	SERVER								
G18	CORRIDOR	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G19	COFFEE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G20	STORAGE	CARPET 1	CLEAN	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G21	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G22	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G23	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G24	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G25	WORKROOM	CARPET 1	CLEAN	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G26	OPEN OFFICE	CARPET 2	CLEAN	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G27	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EXISTING GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
G28	ENTRY								
G29	VESTIBULE								
G30	JANITOR								
G31	STAIR	EXISTING CONCRETE	EXISTING	EXISTING	PAINT	EXISTING CMU	PAINT		SEE GENERAL NOTE 6.
G32	RECEIVING								
G33	LOADING DOCK								
G34	SUPPLY ROOM								
G35	MECHANICAL ROOM								
G36	BOILER ROOM								
G37	UNEXCAVATED								
G38	STAIR	EXISTING	EXISTING	RESILIENT	FACT.	EXISTING WALL COVERING	PAINT	EX. GYP. BD., PAINT	
	ELEVATOR No.1	CARPET 1	CLEAN	EXISTING	EXIST.	EXISTING	EXIST.		
	ELEVATOR No.2	CARPET 1	CLEAN	EXISTING	EXIST.	EXISTING	EXIST.		

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RENOVATIONS OF THE
GA. SEC. OF STATE
OFFICE BLDG.
237 COLISEUM DRIVE MACON, GEORGIA

STATE OF GEORGIA
ROBERT W. BROWN
REGISTERED ARCHITECT
CERTIFICATE NO. 17713

ISSUANCES

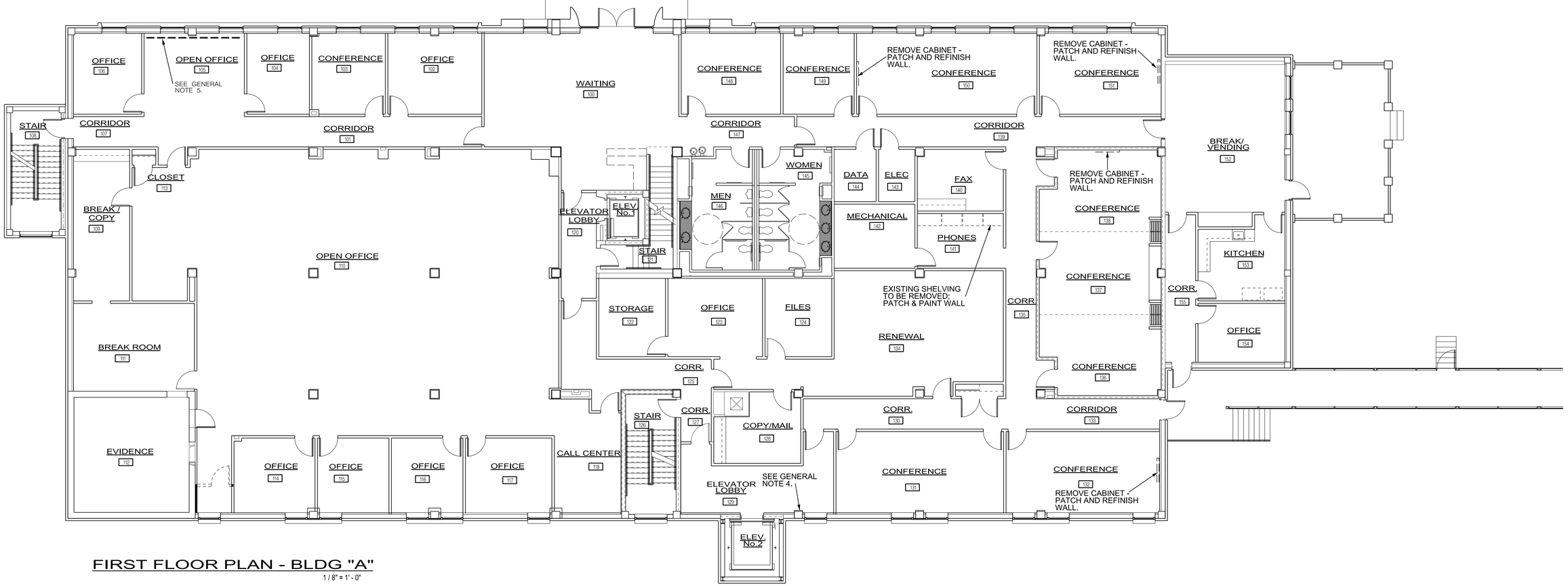
2-22-16	EXISTING CONDITIONS
3-14-16	SCHEMATIC DESIGN
4-22-16	SCHEMATIC DESIGN
5-26-16	BID DRAWINGS

15-030

BASEMENT FLOOR PLAN - BLDG. "A"

A1.0A

F:\PROJECTS\15-030 GA Sec of State Office\Working Drawings\15-030 A1.0A Bldg A - Basement Floor Plan.dgn
5/25/2016



FIRST FLOOR PLAN - BLDG "A"

1 / 8" = 1' - 0"

LEGEND:

INDICATES NEW COUNTERTOPS @ EXISTING VANITIES.

GRAPHIC SCALE IN FEET
0 10 20

GENERAL NOTES:

1.) ALL MATERIALS LISTED ON FINISH AND MATERIALS SCHEDULE ARE NEW UNLESS NOTED OTHERWISE AS EXISTING.
2.) REMOVE ALL WALLCOVERING, PATCH ALL DAMAGED AREAS & PAINT ALL WALLS.
3.) REPLACE DAMAGED ACOUSTICAL CEILING TILE, WITH OWNER FURNISHED MATERIALS AS DIRECTED.
4.) WATER DAMAGED AREAS – REMOVE EXISTING WATER DAMAGED MATERIALS, INSTALL NEW METAL FURRING CHANNELS, GYPSUM BOARD, FINISH & PAINT, COORDINATE NEWLY INSTALLED MATERIAL WITH WALL BASE, DOORS, WINDOWS AND OTHER ADJACENT MATERIALS
5.) REMOVE WALLCOVERING & PAINT @ NOTED AREA
6.) PAINT ALL EXPOSED METAL HANDRAILS, STRINGERS, ETC.
7.) NEW DOOR SILENCERS AT ALL METAL FRAMES (3 PER DOOR)
8.) AT ALL RESTROOMS REPLACE EXISTING ROLL PAPER HOLDERS AND ROBE HOOKS AT STALL DOORS, SEE SPECS.

ABBREVIATIONS

CER.	CERAMICTILE
EX.	EXISTING
FACT.	FACTORY
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FINISH & MATERIAL SCHEDULE

ROOM No.	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE MATERIAL	BASE FINISH	WALLS MATERIAL	WALLS FINISH	CEILING	REMARKS
100	WAITING	EX. CER.TILE & EX. CARPET	EX. / EX.	EX. CER.TILE	EXIST.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
101	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
102	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
103	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
104	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
105	OPEN OFFICE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING ★	PAINT	SEE GENERAL NOTE 3.	★ SEE GENERAL NOTE 5.
106	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
107	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
108	STAIR	EXISTING CONCRETE	EXISTING	EXISTING	EXIST.	EXISTING CMU	PAINT	SEE GENERAL NOTE 3.	SEE GENERAL NOTE 6.
109	BREAK /COPY	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
110	OPEN OFFICE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
111	BREAK ROOM	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
112	EVIDENCE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
113	CLOSET	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
114	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
115	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
116	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
117	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
118	CALL CENTER	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
119	NOT USED								
120	ELEVATOR LOBBY	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
121	STAIR	CARPET 3	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	EX. GYP.BD., PAINT	SEE GENERAL NOTE 6.
122	STORAGE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
123	OFFICE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
124	FILES	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
125	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
126	STAIR	EXISTING CONCRETE	EXISTING	EXISTING	EXIST.	EXISTING CMU	PAINT	SEE GENERAL NOTE 3.	SEE GENERAL NOTE 6.
127	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
128	COPY /MAIL	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	

FINISH & MATERIAL SCHEDULE

ROOM No.	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE MATERIAL	BASE FINISH	WALLS MATERIAL	WALLS FINISH	CEILING	REMARKS
129	ELEV. LOBBY	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING – REMOVE ★	PAINT	SEE GENERAL NOTE 3.	★ SEE GENERAL NOTES 4 & 5.
130	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
131	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD ★	PAINT	SEE GENERAL NOTE 3.	★ INSTALL CHAIRRAIL
132	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD ★	PAINT	SEE GENERAL NOTE 3.	★ INSTALL CHAIRRAIL
133	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
134	RENEWAL	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
135	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
136	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD ★	PAINT	SEE GENERAL NOTE 3.	★ INSTALL CHAIRRAIL
137	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD ★	PAINT	SEE GENERAL NOTE 3.	★ INSTALL CHAIRRAIL
138	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD ★	PAINT	SEE GENERAL NOTE 3.	★ INSTALL CHAIRRAIL
139	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
140	FAX	EXISTING RESILIENT	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
141	PHONES	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
142	MECHANICAL								
143	ELECTRICAL								
144	DATA								
145	WOMEN	EXISTING CER.TILE	EXISTING	EX. CER.TILE	EXIST.	EX. WALLCOVERING – REMOVE ★	PAINT	SEE GENERAL NOTE 3.	★ SEE GENERAL NOTE 2.
146	MEN	EXISTING CER.TILE	EXISTING	EX. CER.TILE	EXIST.	EX. WALLCOVERING – REMOVE ★	PAINT	SEE GENERAL NOTE 3.	★ SEE GENERAL NOTE 2.
147	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
148	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD ★	PAINT	SEE GENERAL NOTE 3.	★ INSTALL CHAIRRAIL
149	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD ★	PAINT	SEE GENERAL NOTE 3.	★ INSTALL CHAIRRAIL
150	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD ★	PAINT	SEE GENERAL NOTE 3.	★ INSTALL CHAIRRAIL
151	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD ★	PAINT	SEE GENERAL NOTE 3.	★ INSTALL CHAIRRAIL
152	BREAK /VENDING	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. WALLCOVERING – REMOVE ★	PAINT	SEE GENERAL NOTE 3.	★ SEE GENERAL NOTE 2.
153	KITCHEN	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
154	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
155	CORRIDOR	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
	ELEVATORS 1 & 2								REFER TO BASEMENT FOR FINISHES.

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RENOVATIONS OF THE GA. SEC. OF STATE OFFICE BLDG.

237 COLISEUM DRIVE MACON, GEORGIA

STATE OF GEORGIA ROBERT W. BROWN REGISTERED ARCHITECT

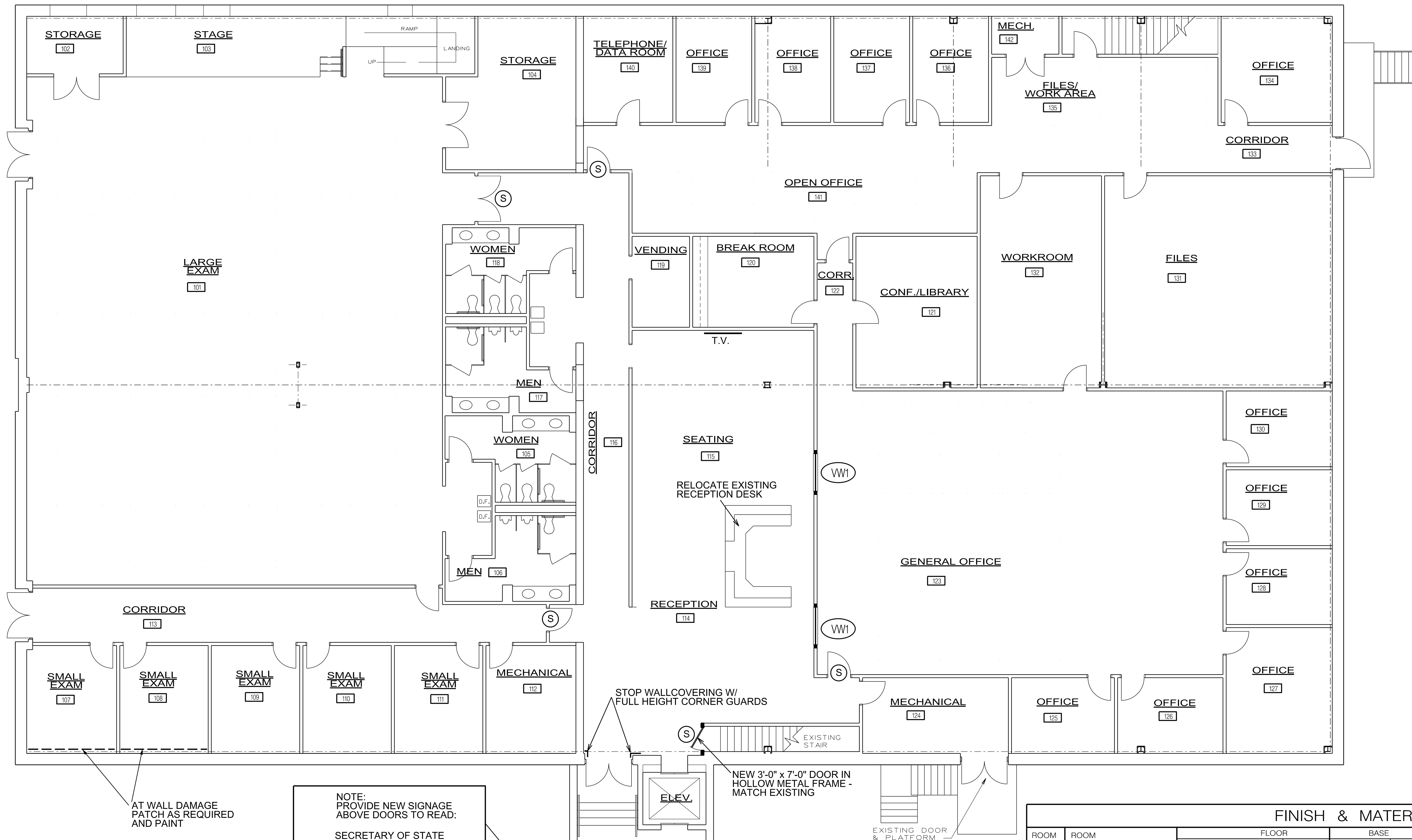
ISSUANCES

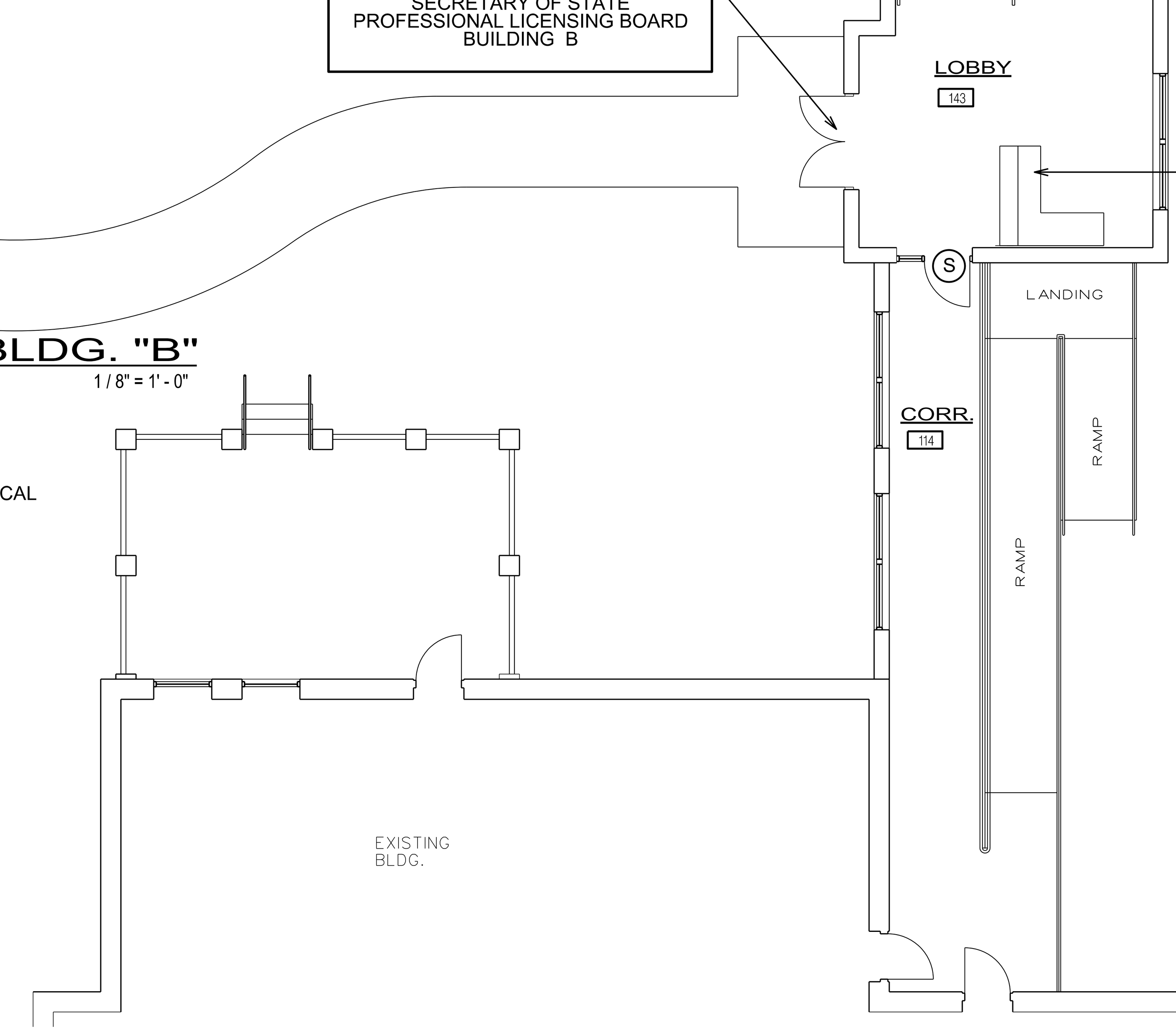
2-22-16	EXISTING CONDITIONS
3-14-16	SCHEMATIC DESIGN
4-22-16	SCHEMATIC DESIGN
5-26-16	BID DRAWINGS

15-030

FIRST FLOOR PLAN - BLDG. "A"

A1.1A





FIRST FLOOR PLAN BLDG. "B"

1 / 8" = 1' - 0"

LEGEND:

(S) INDICATES SECURED DOOR - SEE HARDWARE SPECS. AND ELECTRICAL DRAWINGS.

T.V. INDICATES CLOSED CIRCUIT T.V. - SEE ELECTRICAL DRAWINGS

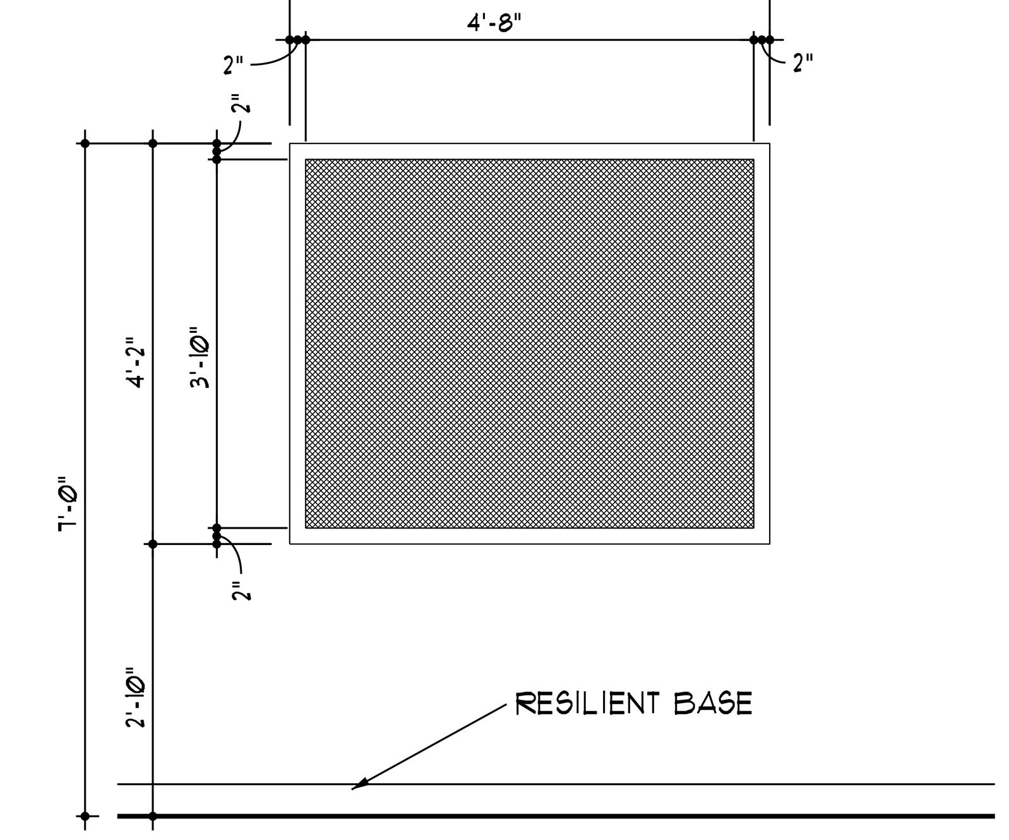
GRAPHIC SCALE IN FEET 0 10 20

GENERAL NOTES:

1.) ALL MATERIALS LISTED ON FINISH AND MATERIALS SCHEDULE ARE NEW UNLESS NOTED OTHERWISE AS EXISTING.
2.) REMOVE ALL WALLCOVERING, PATCH ALL DAMAGED AREAS & PAINT ALL WALLS.
3.) REPLACE DAMAGED ACOUSTICAL CEILING TILE, WITH OWNER FURNISHED MATERIALS AS DIRECTED.
4.) WATER DAMAGED AREAS – REMOVE EXISTING WATER DAMAGED MATERIALS, INSTALL NEW METAL FURRING CHANNELS, GYPSUM BOARD, FINISH & PAINT. COORDINATE NEWLY INSTALLED MATERIAL WITH WALL BASE, DOORS, WINDOWS AND OTHER ADJACENT MATERIALS
5.) REMOVE WALLCOVERING & PAINT @ NOTED AREA
6.) PAINT ALL EXPOSED METAL HANDRAILS, STRINGERS, ETC.
7.) NEW DOOR SILENCERS AT ALL METAL FRAMES (3 PER DOOR)
8.) AT ALL RESTROOMS REPLACE EXISTING ROLL PAPER HOLDERS AND ROBE HOOKS AT STALL DOORS, SEE SPECS.

ABBREVIATIONS

CER.	CERAMICTILE
EX.	EXISTING
FACT.	FACTORY
GYP.BD.	GYPSUM BOARD



VW1

VIEW WINDOW IN HOLLOW METAL FRAME w/ ONE-WAY TEMPERED GLASS

VIEW WINDOW

1 / 2" = 1' - 0"

FINISH & MATERIAL SCHEDULE

ROOM No.	ROOM NAME	FLOOR		BASE		WALLS		CEILING	REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH		
101	LARGE EXAM	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD *	PAINT	SEE GENERAL NOTE 3.	* PAINT FURRED SOFFIT.
102	STORAGE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
103	STAGE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
104	STORAGE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
105	WOMEN	EXISTING CER. TILE	EXISTING	EX. CER.TILE	EXIST.	EX.WALLCOVERING – REMOVE *	PAINT	SEE GENERAL NOTE 3.	* SEE GENERAL NOTE 2.
106	MEN	EXISTING CER. TILE	EXISTING	EX. CER.TILE	EXIST.	EX.WALLCOVERING – REMOVE *	PAINT	SEE GENERAL NOTE 3.	* SEE GENERAL NOTE 2.
107	SMALL EXAM	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
108	SMALL EXAM	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
109	SMALL EXAM	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
110	SMALL EXAM	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
111	SMALL EXAM	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
112	MECHANICAL								
113	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
114	RECEPTION	CARPET 2	CLEAN	RESILIENT	FACT.	EX.WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
115	SEATING	CARPET 2	CLEAN	RESILIENT	FACT.	EX.WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
116	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX.WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
117	MEN	EXISTING CER. TILE	EXISTING	EX. CER.TILE	EXIST.	EX.WALLCOVERING – REMOVE *	PAINT	SEE GENERAL NOTE 3.	* SEE GENERAL NOTE 2.
118	WOMEN	EXISTING CER. TILE	EXISTING	EX. CER.TILE	EXIST.	EX.WALLCOVERING – REMOVE *	PAINT	SEE GENERAL NOTE 3.	* SEE GENERAL NOTE 2.
119	VENDING	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX.WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
120	BREAK ROOM	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX.WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
121	CONF./LIBRARY	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
122	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
123	GENERAL OFFICE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
124	MECHANICAL								
125	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
126	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
127	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
128	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
129	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
130	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
131	FILES	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
132	WORKROOM	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
133	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
134	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
135	FILES /WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
136	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
137	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
138	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
139	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
140	TELEPHONE /DATA ROOM								
141	OPEN OFFICE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
142	MECHANICAL								
143	LOBBY	EXISTING CER. TILE	EXISTING	EX. CER.TILE	EXIST.	EX.WALLCOVERING – REMOVE *	PAINT	SEE GENERAL NOTE 3.	* SEE GENERAL NOTE 2.
	ELEVATOR	CARPET 1	CLEAN	EXISTING	EXIST.	EXISTING	EXIST.		

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RENOVATIONS OF THE GA. SEC. OF STATE OFFICE BLDG.

237 COLISEUM DRIVE MACON, GEORGIA

STATE OF GEORGIA — ROBERT W. BROWN — CERTIFICATE NO. 7129 — REGISTERED ARCHITECT

ISSUANCES

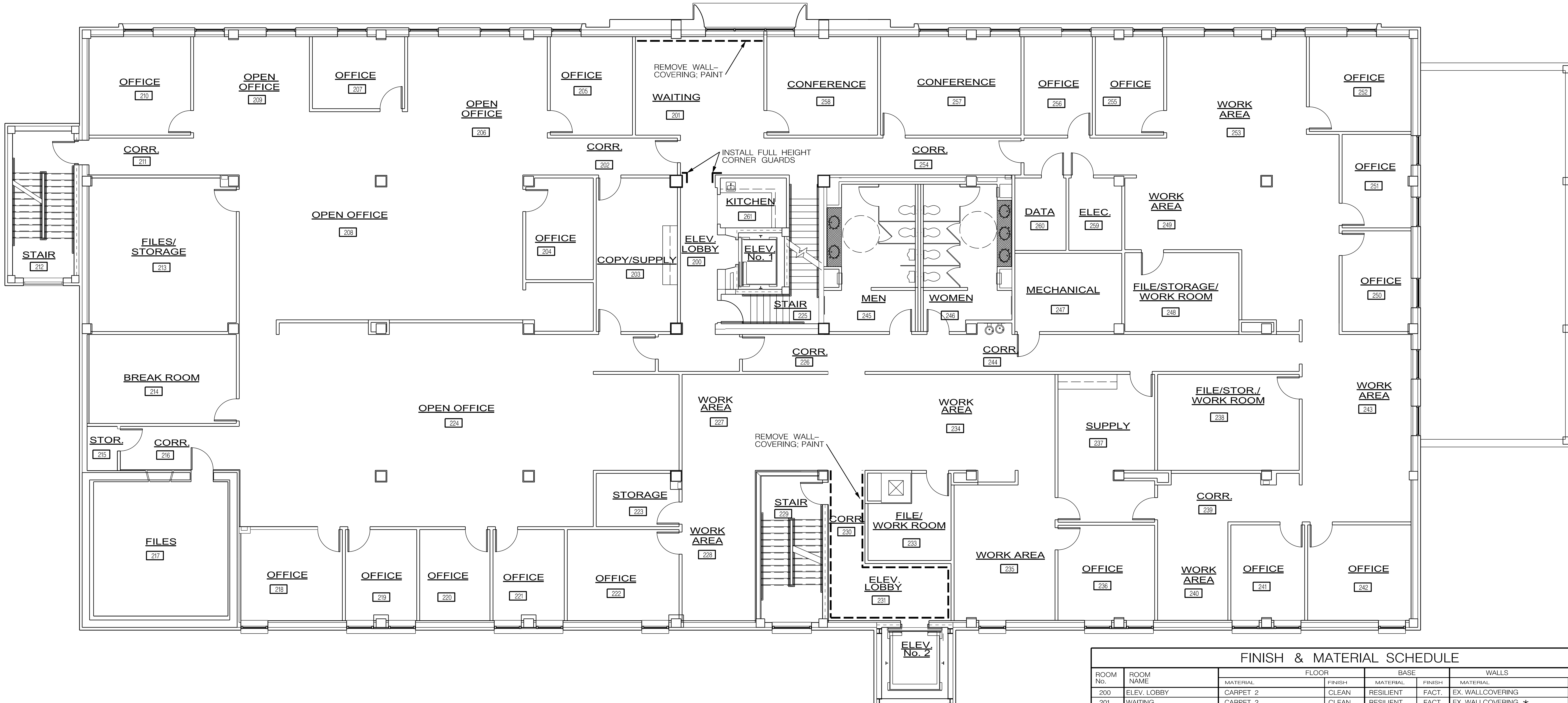
2-22-16	EXISTING CONDITIONS
3-14-16	SCHEMATIC DESIGN
4-22-16	SCHEMATIC DESIGN
5-26-16	BID DRAWINGS

15-030

FIRST FLOOR PLAN - BLDG. "B"

A1.1B

F:\PROJECTS\15-030 GA Sec of State Office\Working Drawings\15-030 A1.1B Bldg B - 1st Floor Plan.dgn
5/25/2016



SECOND FLOOR FLOOR PLAN - BLDG "A"

1 / 8" = 1' - 0"

LEGEND:

INDICATES NEW COUNTERTOPS @ EXISTING VANITIES.

GRAPHIC SCALE IN FEET

0 10 20

GENERAL NOTES:

1.) ALL MATERIALS LISTED ON FINISH AND MATERIALS SCHEDULE ARE NEW UNLESS NOTED OTHERWISE AS EXISTING.
2.) REMOVE ALL WALLCOVERING, PATCH ALL DAMAGED AREAS & PAINT ALL WALLS.
3.) REPLACE DAMAGED ACOUSTICAL CEILING TILE, WITH OWNER FURNISHED MATERIALS AS DIRECTED.
4.) WATER DAMAGED AREAS – REMOVE EXISTING WATER DAMAGED MATERIALS, INSTALL NEW METAL FURRING CHANNELS, GYPSUM BOARD, FINISH & PAINT. COORDINATE NEWLY INSTALLED MATERIAL WITH WALL BASE, DOORS, WINDOWS AND OTHER ADJACENT MATERIALS
5.) REMOVE WALLCOVERING & PAINT @ NOTED AREA
6.) PAINT ALL EXPOSED METAL HANDRAILS, STRINGERS, ETC.
7.) NEW DOOR SILENCERS AT ALL METAL FRAMES (3 PER DOOR)
8.) AT ALL RESTROOMS REPLACE EXISTING ROLL PAPER HOLDERS AND ROBE HOOKS AT STALL DOORS, SEE SPECS.

ABBREVIATIONS

CER. CERAMICTILE
EX. EXISTING
FACT. FACTORY
GYP.BD. GYPSUM BOARD

FINISH & MATERIAL SCHEDULE

ROOM No.	ROOM NAME	FLOOR		BASE		WALLS		CEILING	REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH		
200	ELEV. LOBBY	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
201	WAITING	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING ★	PAINT	SEE GENERAL NOTE 3.	★ SEE GENERAL NOTE 5.
202	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
203	COPY /SUPPLY	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
204	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
205	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
206	OPEN OFFICE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
207	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
208	OPEN OFFICE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
209	OPEN OFFICE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
210	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
211	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
212	STAIR	EX. RESIL. TREADS & RISERS	EXISTING	RESILIENT	FACT.	EXISTING CMU	PAINT		SEE GENERAL NOTE 6.
213	FILES /STORAGE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
214	BREAK ROOM	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
215	STORAGE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
216	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
217	FILES	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
218	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
219	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
220	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
221	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
222	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
223	STORAGE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
224	OPEN OFFICE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
225	STAIR	EX. RESIL. TREADS & RISERS	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	EX. GYP.BD., PAINT	
226	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
227	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
228	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
229	STAIR	EX. RESIL. TREADS & RISERS	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT		
230	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING – REMOVE★	PAINT	SEE GENERAL NOTE 3.	★ SEE GENERAL NOTE 2.
231	ELEVATOR LOBBY	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING – REMOVE★	PAINT	SEE GENERAL NOTE 3.	★ SEE GENERAL NOTE 2.
232	NOT USED								
233	FILE /WORKROOM	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
234	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
235	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
236	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
237	COPY /SUPPLY	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
238	FILE /STOR./WORKROOM	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
239	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
240	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
241	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
242	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
243	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
244	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
245	MEN	EXISTING CER. TILE	EXISTING	EXISTING	EXIST.	EX. WALLCOVERING – REMOVE★	PAINT	SEE GENERAL NOTE 3.	★ SEE GENERAL NOTE 2.
246	WOMEN	EXISTING CER. TILE	EXISTING	EXISTING	EXIST.	EX. WALLCOVERING – REMOVE★	PAINT	SEE GENERAL NOTE 3.	★ SEE GENERAL NOTE 2.
247	MECHANICAL								
248	FILE /STOR./WORKROOM	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
249	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
250	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
251	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
252	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
253	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
254	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
255	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
256	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
257	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
258	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
259	ELECTRICAL								
260	DATA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
261	KITCHEN	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
	ELEVATORS 1 & 2								REFER TO BASEMENT FOR FINISHES.

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OFFICE BLDG.
237 COLISEUM DRIVE MACON, GEORGIA

STATE OF GEORGIA ROBERT W. BROWN CERTIFICATE NO. 7129 REGISTERED ARCHITECT

ISSUANCES

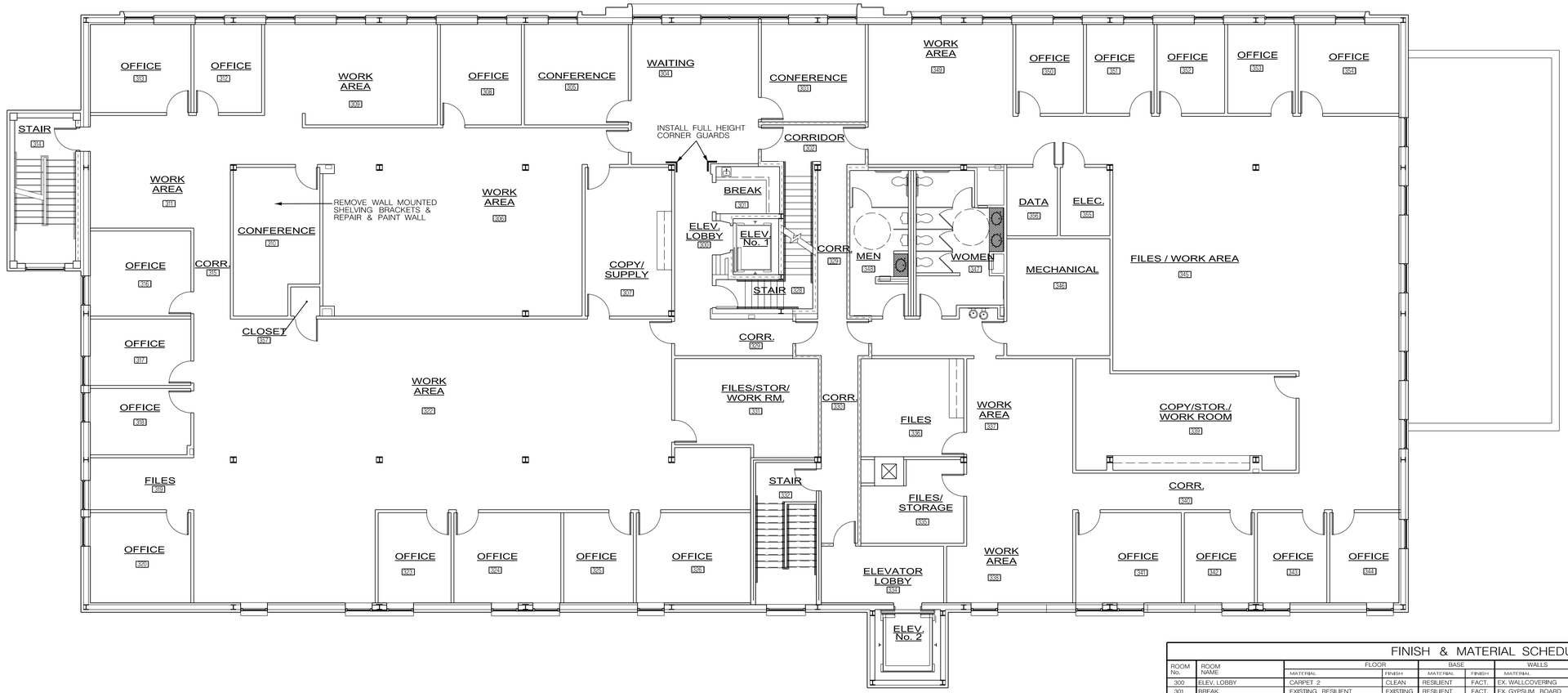
2-22-16	EXISTING CONDITIONS
3-14-16	SCHEMATIC DESIGN
4-22-16	SCHEMATIC DESIGN
5-26-16	BID DRAWINGS

15-030

SECOND FLOOR PLAN - BLDG. "A"

A1.2A

F:\PROJECTS\15-030 GA Sec of State Office\Working Drawings\15-030 A1.2A Bldg. A - 2nd Floor Plan.dgn
5/25/2016



THIRD FLOOR PLAN - BLDG "A"

1 / 8" = 1' - 0"

LEGEND:

INDICATES NEW COUNTERTOPS @ EXISTING VANITIES.

GRAPHIC SCALE IN FEET

0 10 20

GENERAL NOTES:

1.) ALL MATERIALS LISTED ON FINISH AND MATERIALS SCHEDULE ARE NEW UNLESS NOTED OTHERWISE AS EXISTING.

2.) REMOVE ALL WALLCOVERING, PATCH ALL DAMAGED AREAS & PAINT ALL WALLS.

3.) REPLACE DAMAGED ACOUSTICAL CEILING TILE, WITH OWNER FURNISHED MATERIALS AS DIRECTED.

4.) WATER DAMAGED AREAS – REMOVE EXISTING WATER DAMAGED MATERIALS, INSTALL NEW METAL FURRING CHANNELS, GYPSUM BOARD, FINISH & PAINT. COORDINATE NEWLY INSTALLED MATERIAL WITH WALL BASE, DOORS, WINDOWS AND OTHER ADJACENT MATERIALS

5.) REMOVE WALLCOVERING & PAINT @ NOTED AREA

6.) PAINT ALL EXPOSED METAL HANDRAILS, STRINGERS, ETC.

7.) NEW DOOR SILENCERS AT ALL METAL FRAMES (3 PER DOOR)

8.) AT ALL RESTROOMS REPLACE EXISTING ROLL PAPER HOLDERS AND ROBE HOOKS AT STALL DOORS, SEE SPECS.

ABBREVIATIONS

CER.	CERAMICTILE
EX.	EXISTING
FACT.	FACTORY
GYP.BD.	GYPSUM BOARD

FINISH & MATERIAL SCHEDULE

ROOM No.	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE MATERIAL	BASE FINISH	WALLS MATERIAL	WALLS FINISH	CEILING	REMARKS
300	ELEV. LOBBY	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
301	BREAK	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
302	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
303	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
304	WAITING	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
305	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
306	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
307	COPY /SUPPLY	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
308	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
309	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
310	CONFERENCE	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
311	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
312	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
313	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
314	STAIR No.1	EX. RESIL. TREADS & RISERS	EXISTING	RESILIENT	FACT.	EXISTING CMU	PAINT	———	
315	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
316	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
317	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
318	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
319	FILES	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
320	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
322	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
323	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
324	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
325	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
326	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
327	NOT USED	———		———		———		———	
328	STAIR	CARPET 3	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	EX. GYP. BD., PAINT	
329	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	EX. GYP. BD., PAINT	
330	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
331	FILE /STOR./WORKROOM	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
332	STAIR	EXISTING CONCRETE	EXISTING	EXISTING	EXIST.	EXISTING CMU	PAINT	———	SEE GENERAL NOTE 6.
333	NOT USED	———		———		———		———	
334	ELEV. LOBBY	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
335	FILES /STORAGE	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
336	FILES	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
337	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
338	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
339	COPY /STOR./WORKROOM	EXISTING RESILIENT	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
340	CORRIDOR	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
341	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
342	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
343	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
344	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
345	FILES /WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING	PAINT	SEE GENERAL NOTE 3.	
346	MECHANICAL	———		———		———		———	
347	WOMEN	EXISTING CER. TILE	EXISTING	EX. CER.TILE	EXIST.	EX. WALLCOVERING – REMOVE ★	PAINT	SEE GENERAL NOTE 3.	★ SEE GENERAL NOTE 2.
348	MEN	EXISTING CER. TILE	EXISTING	EX. CER.TILE	EXIST.	EX. WALLCOVERING – REMOVE ★	PAINT	SEE GENERAL NOTE 3.	★ SEE GENERAL NOTE 2.
349	WORK AREA	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
350	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
351	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
352	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
353	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
354	OFFICE	CARPET 1	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	SEE GENERAL NOTE 3.	
355	ELEC.	———		———		———		———	
356	DATA	———		———		———		———	
	ELEVATORS 1 & 2	———		———		———		———	REFER TO BASEMENT FOR FINISHES.

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RENOVATIONS OF THE
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OFFICE BLDG.
237 COLISEUM DRIVE MACON, GEORGIA

STATE OF GEORGIA
ROBERT W. BROWN
REGISTERED ARCHITECT
CERTIFICATE NO. 7429

ISSUANCES

2-22-16	EXISTING CONDITIONS
3-14-16	SCHEMATIC DESIGN
4-22-16	SCHEMATIC DESIGN
5-26-16	BID DRAWINGS

15-030

THIRD FLOOR PLAN - BLDG. "A"

A1.3A

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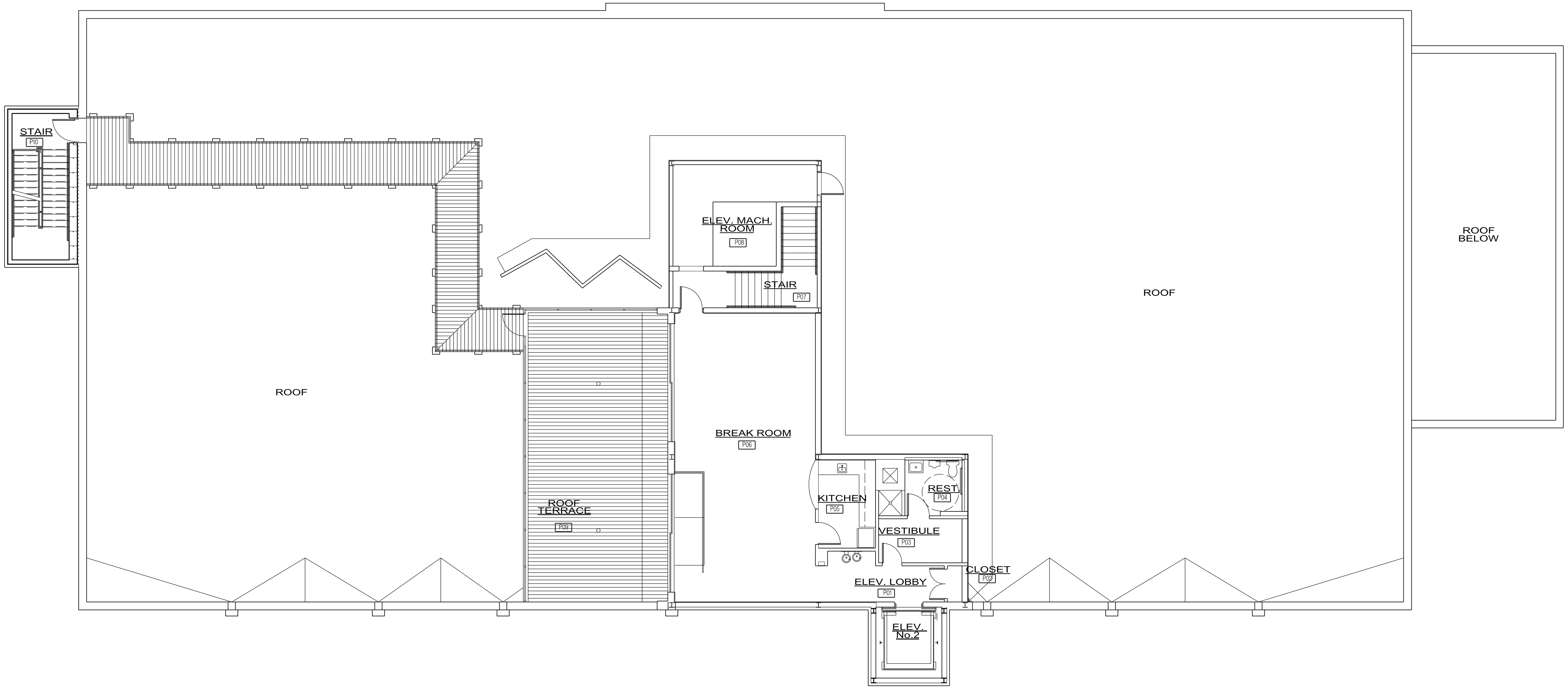
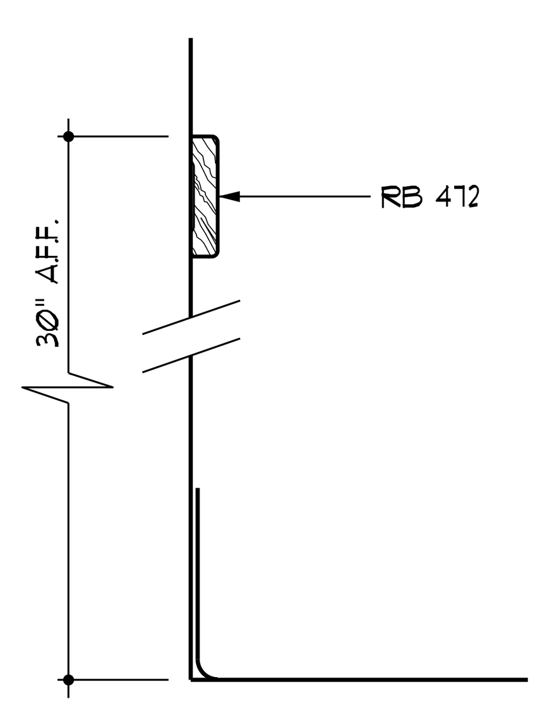
5/25/2016



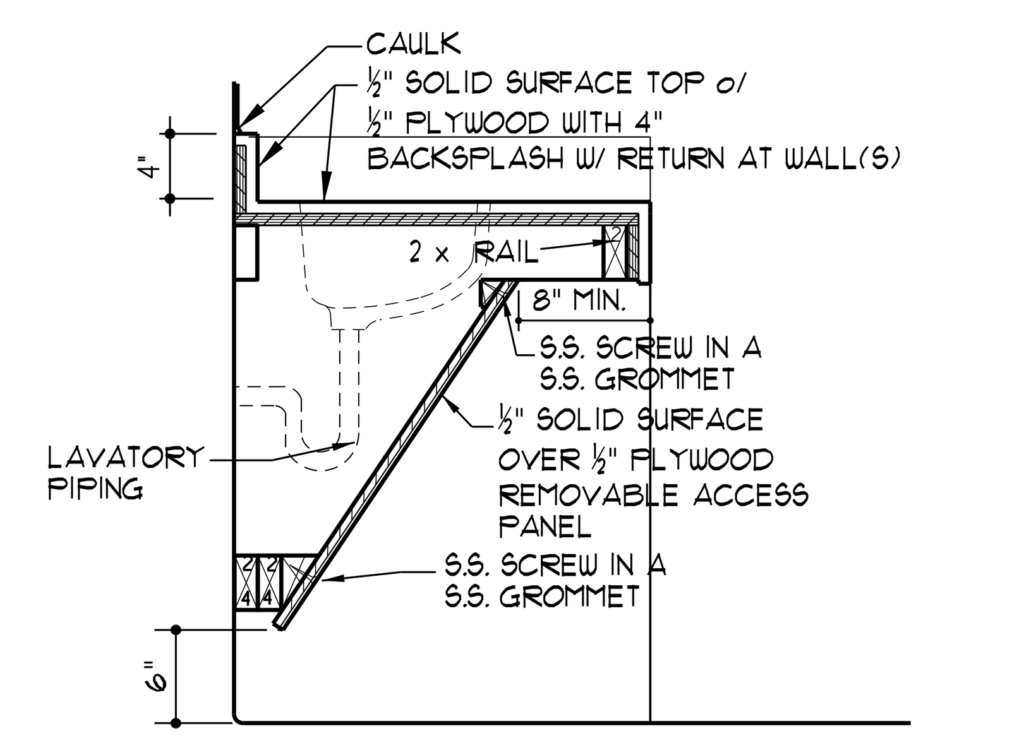
PENTHOUSE FLOOR PLAN - BLDG. "A"

1 / 8" = 1' - 0"



TYPICAL CHAIRRAIL

NO SCALE



1 / A1.4A TOILET COUNTER DETAIL

1" = 1'-0"

NOTE:
TOILET COUNTERS ARE EXISTING W/PLASTIC LAMINATE TOP.
EXISTING FRAMING TO REMAIN.

GRAPHIC SCALE IN FEET
0 10 20

ABBREVIATIONS

CER. CERAMICTILE
EX. EXISTING
FACT. FACTORY
GYP.BD. GYPSUM BOARD

GENERAL NOTES:

1.) ALL MATERIALS LISTED ON FINISH AND MATERIALS SCHEDULE ARE NEW UNLESS NOTED OTHERWISE AS EXISTING.
2.) REMOVE ALL WALLCOVERING, PATCH ALL DAMAGED AREAS & PAINT ALL WALLS.
3.) REPLACE DAMAGED ACOUSTICAL CEILING TILE, WITH OWNER FURNISHED MATERIALS AS DIRECTED.
4.) WATER DAMAGED AREAS – REMOVE EXISTING WATER DAMAGED MATERIALS, INSTALL NEW METAL FURRING CHANNELS, GYPSUM BOARD, FINISH & PAINT. COORDINATE NEWLY INSTALLED MATERIAL WITH WALL BASE, DOORS, WINDOWS AND OTHER ADJACENT MATERIALS
5.) REMOVE WALLCOVERING & PAINT @ NOTED AREA
6.) PAINT ALL EXPOSED METAL HANDRAILS, STRINGERS, ETC.
7.) NEW DOOR SILENCERS AT ALL METAL FRAMES (3 PER DOOR)
8.) AT ALL RESTROOMS REPLACE EXISTING ROLL PAPER HOLDERS AND ROBE HOOKS AT STALL DOORS, SEE SPECS.

FINISH & MATERIAL SCHEDULE

ROOM No.	ROOM NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
P01	ELEV. LOBBY	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	EX. GYPSUM BOARD	PAINT	
P02	CLOSET	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	EX. GYPSUM BOARD	PAINT	
P03	VESTIBULE	EXISTING RESILIENT	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING – REMOVE *	PAINT	EX. GYPSUM BOARD	PAINT	* SEE GENERAL NOTE 2.
P04	RESTROOM	EXISTING RESILIENT	CLEAN	RESILIENT	FACT.	EX. WALLCOVERING – REMOVE *	PAINT	EX. GYPSUM BOARD	PAINT	* SEE GENERAL NOTE 2.
P05	KITCHEN	EXISTING RESILIENT	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	EX. GYPSUM BOARD	PAINT	
P06	BREAK ROOM	CARPET 2	CLEAN	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	EX. GYPSUM BOARD	PAINT	
P07	STAIR	EX. RESIL. TREADS & RISERS	EXISTING	RESILIENT	FACT.	EX. GYPSUM BOARD	PAINT	EX. GYPSUM BOARD	PAINT	
P08	ELEV. MACHINE ROOM									
P09	ROOF TERRACE									
P10	STAIR	EXISTING CONCRETE	CLEAN	EXISTING	EXIST.	EXISTING CMU	PAINT	EX. GYPSUM BOARD	PAINT	
	ELEVATOR No.2									REFER TO BASEMENT FOR FINISHES.

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RENOVATIONS OF THE GA. SEC. OF STATE OFFICE BLDG.

237 COLISEUM DRIVE MACON, GEORGIA

STATE OF GEORGIA ROBERT W. BROWN CERTIFICATE NO. 7129 REGISTERED ARCHITECT

ISSUANCES

2-22-16	EXISTING CONDITIONS
3-14-16	SCHEMATIC DESIGN
4-22-16	SCHEMATIC DESIGN
5-26-16	BID DRAWINGS

15-030

PENTHOUSE FLOOR PLAN - BLDG. "A"

A1.4A

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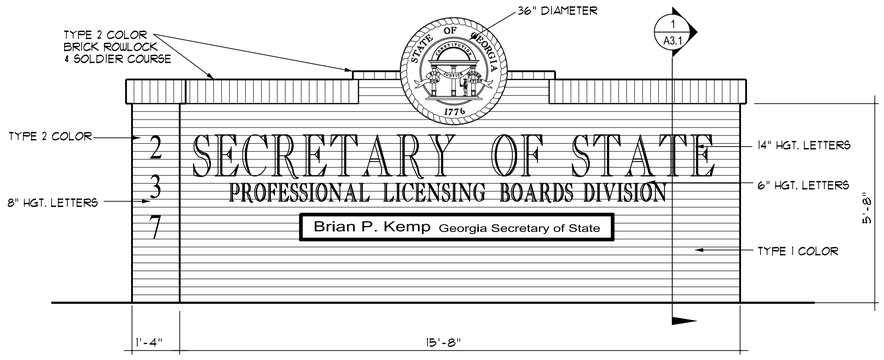
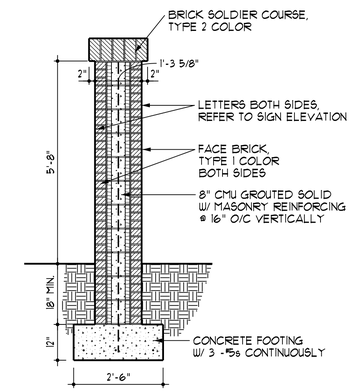
5/25/2016



SIGN ELEVATION

1 / 2" = 1' - 0"

NOTE: ALL SIGNAGE AND LETTERING TO BE FURNISHED UNDER CONTRACT ALLOWANCE WORKING WITH OWNER'S THIRD PARTY VENDOR. SIGNAGE AND LETTERING SHALL BE CONTRACTOR INSTALLED.



1 / A3.1 SIGN DETAIL

1 / 2" = 1' - 0"

GENERAL NOTES

1. PAINT HOLLOW METAL DOORS & FRAMES.
2. PAINT CAST IRON DOWNSPOUT BOOTS.
3. PAINT ALL EXTERIOR HANDRAILS.
4. CLEAN ALL BRICK & CAST STONE SILLS.
5. PAINT ALL BRICK LINTELS.

COLISEUM DRIVE ELEVATION BLDG. "A"

1 / 8" = 1' - 0"

GRAPHIC SCALE IN FEET
0 10 20

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2/26/2016

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RENOVATIONS OF THE
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237 COLISEUM DRIVE MACON, GEORGIA

STATE OF GEORGIA
ROBERT W. BROWN
REGISTERED ARCHITECT
No. 009

ISSUANCES

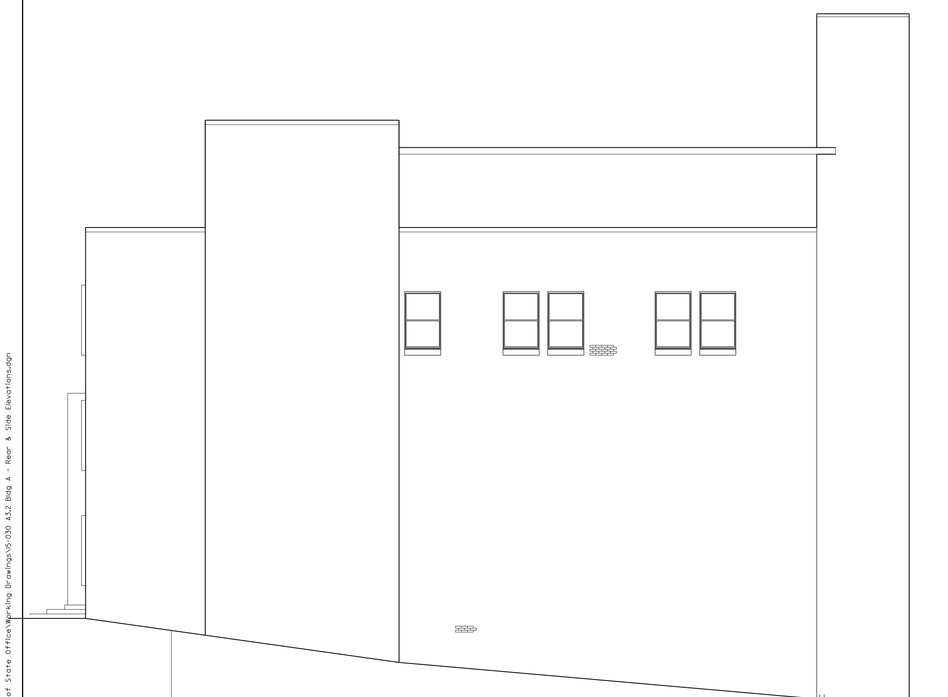
2-22-16	EXISTING CONDITIONS
3-14-16	SCHEMATIC DESIGN
4-22-16	SCHEMATIC DESIGN
5-26-16	BID DRAWINGS

15-030

EXTERIOR ELEVATION - BLDG. "A" & BUILDING SIGN

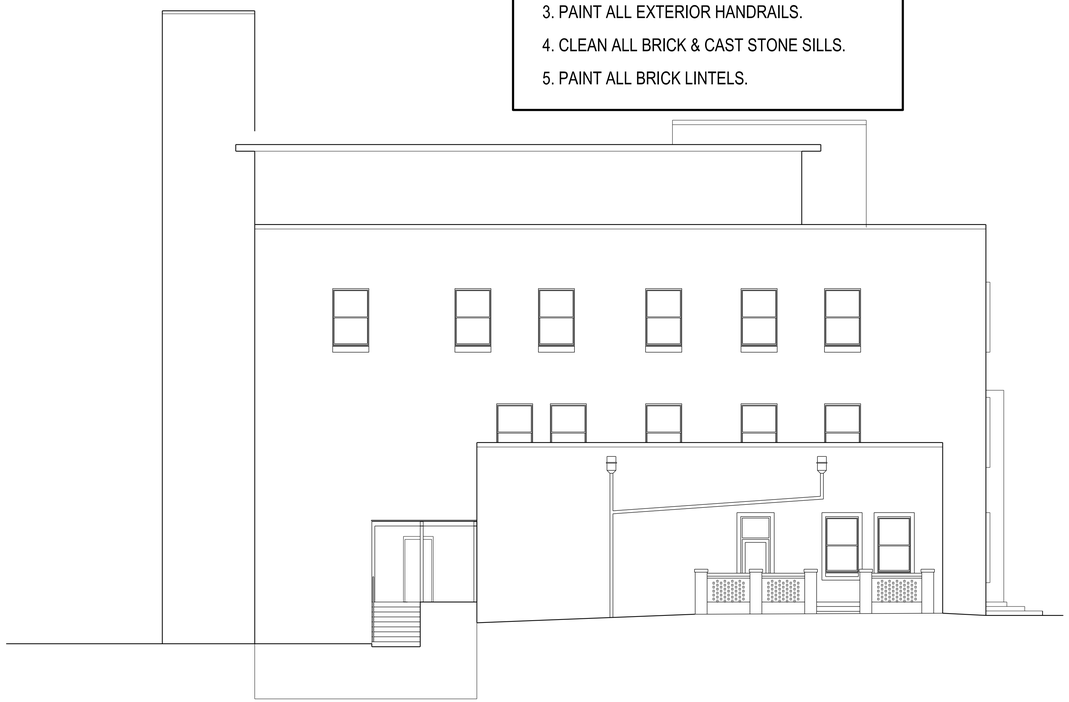
A3.1

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



RIGHT SIDE ELEVATION
SCALE: 1/8 =1'-0"

GRAPHIC SCALE IN FEET
0 10 20



LEFT SIDE ELEVATION
SCALE: 1/8 =1'-0"

GENERAL NOTES

1. PAINT HOLLOW METAL DOORS & FRAMES.
2. PAINT CAST IRON DOWNSPOUT BOOTS.
3. PAINT ALL EXTERIOR HANDRAILS.
4. CLEAN ALL BRICK & CAST STONE SILLS.
5. PAINT ALL BRICK LINTELS.

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RENOVATIONS OF THE
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STATE OF GEORGIA
ROBERT W. BROWN
REGISTERED ARCHITECT
CERTIFICATE NO. 019

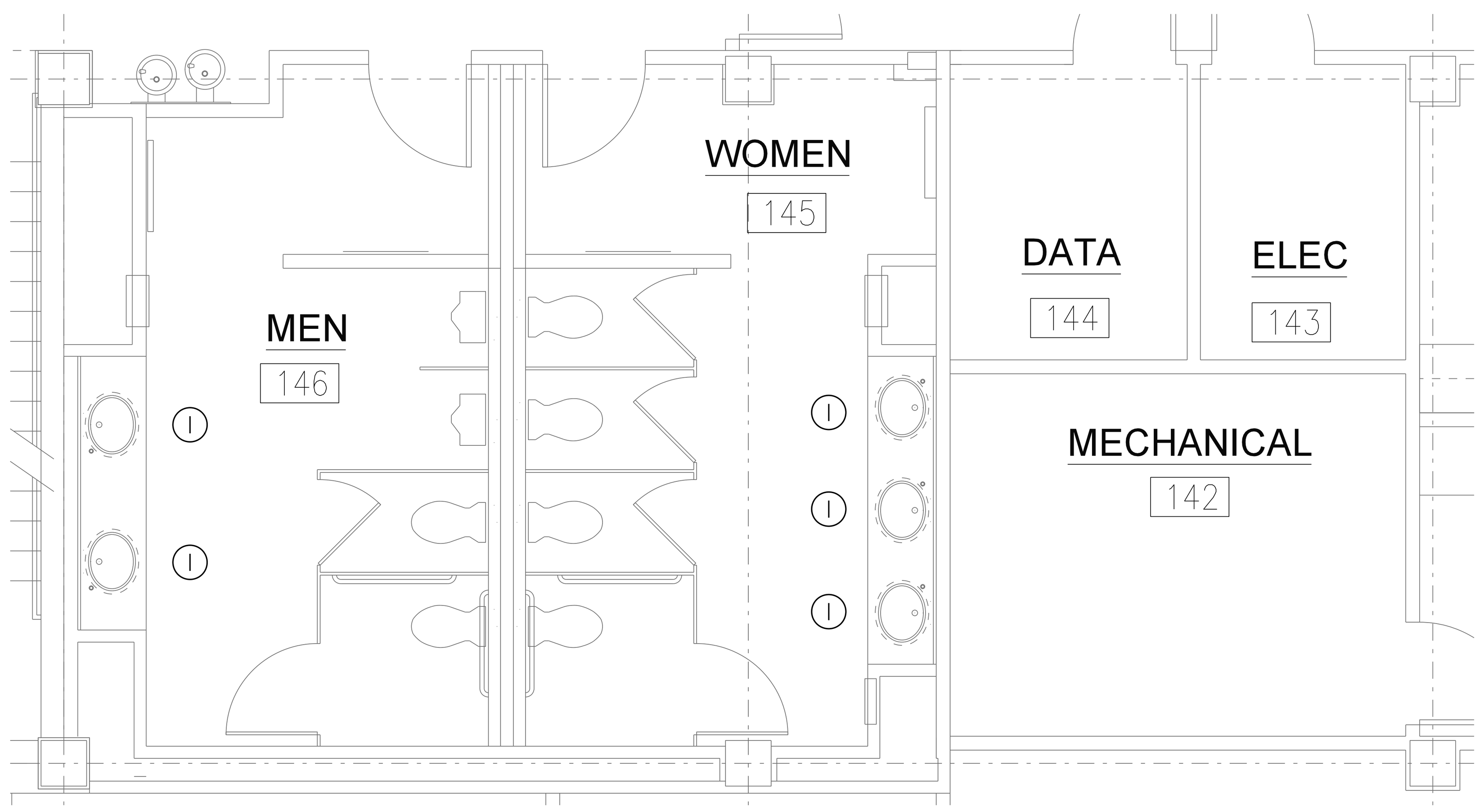
ISSUANCES

2-22-16	EXISTING CONDITIONS
3-14-16	SCHEMATIC DESIGN
4-22-16	SCHEMATIC DESIGN
5-26-16	BID DRAWINGS

15-030

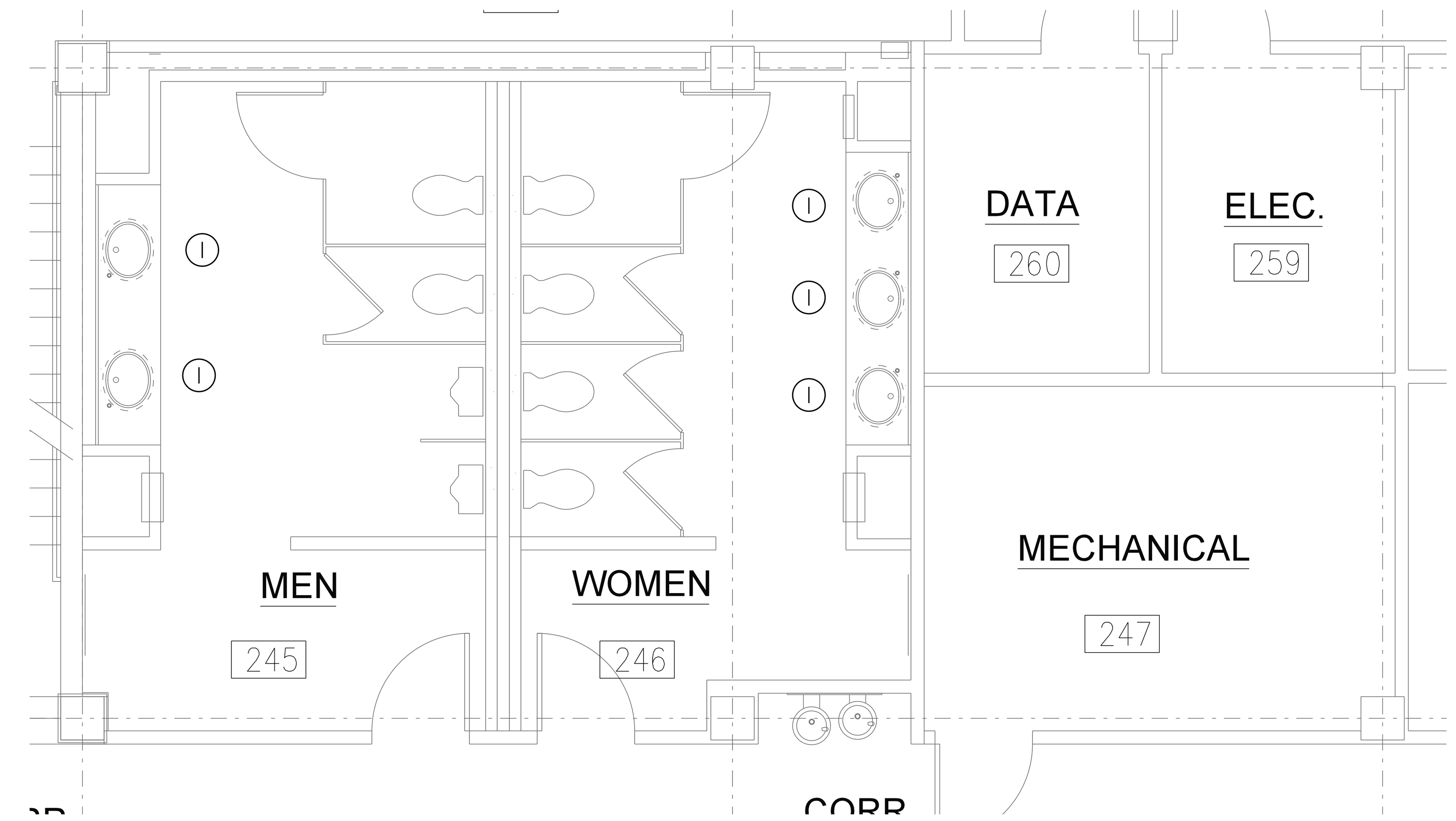
REAR & SIDE ELEVATIONS - BLDG. "A"

A3.2



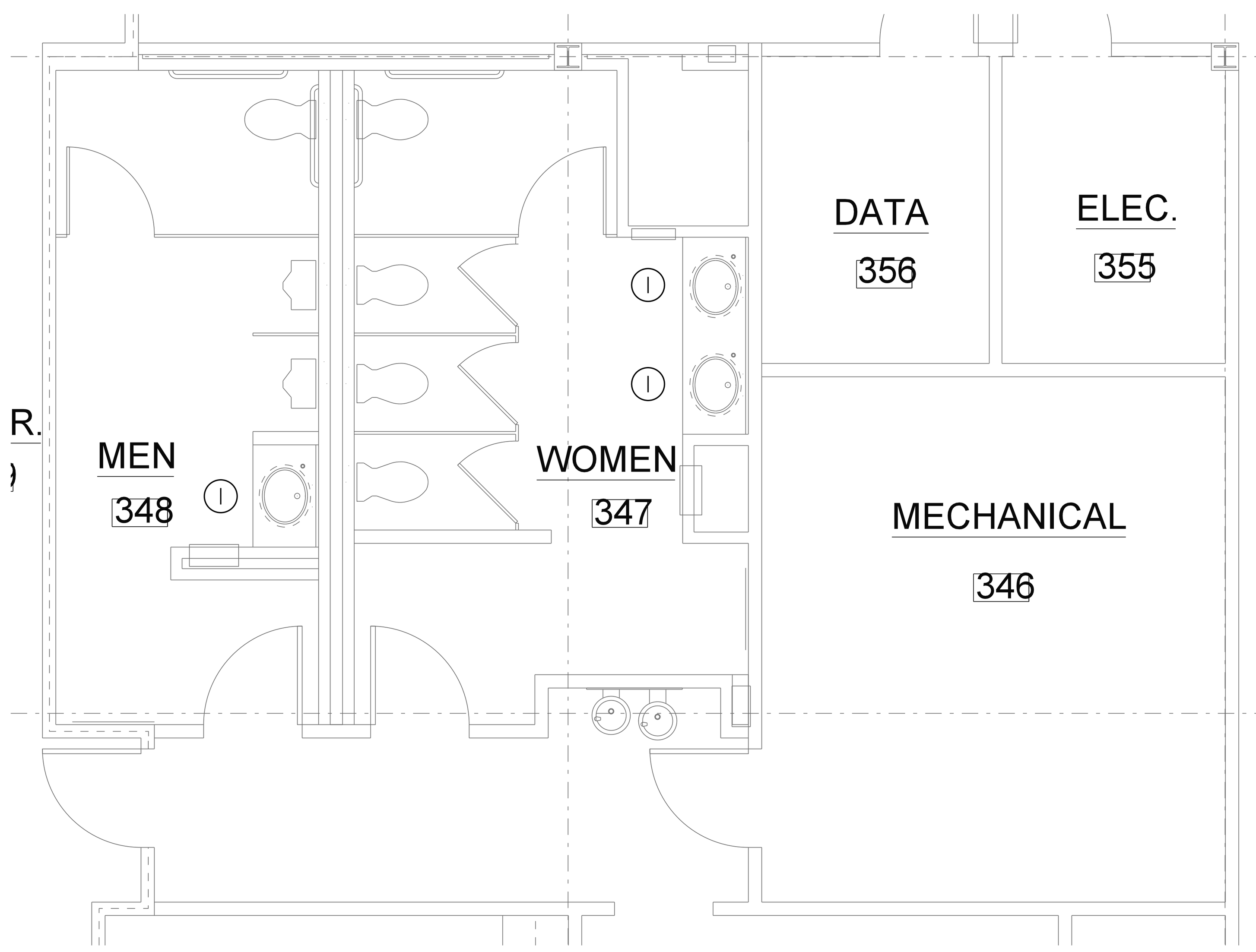
FIRST FLOOR PLAN - BLDG. "A" - NEW WORK - PLUMBING

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



SECOND FLOOR PLAN - BLDG. "A" - NEW WORK - PLUMBING

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

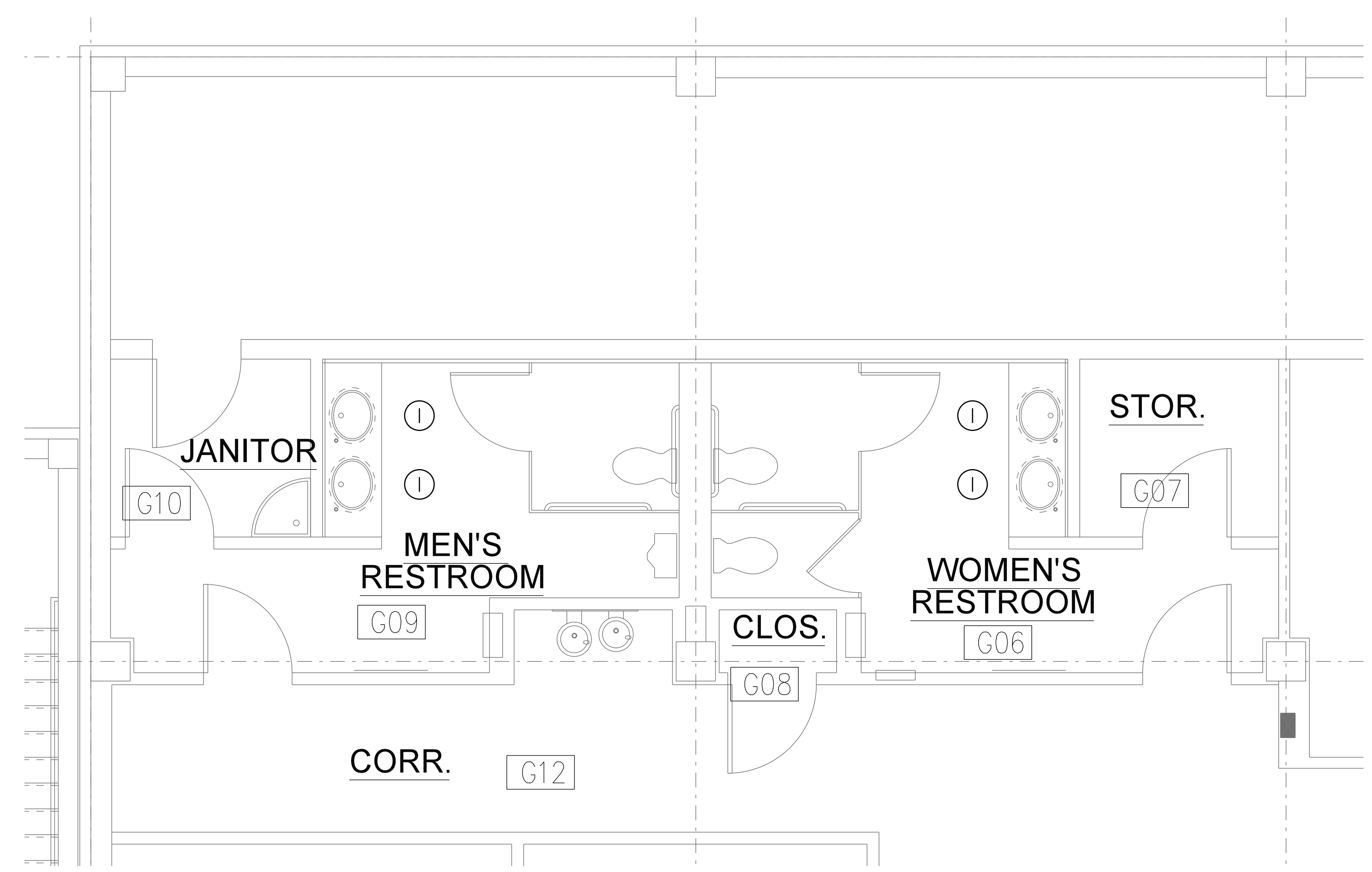


THIRD FLOOR PLAN - BLDG. "A" - NEW WORK - PLUMBING

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

NOTES: (THIS SHEET ONLY)

(1) REMOVE EXISTING LAVATORY BOWL AND FAUCET. SUPPLY STOPS, P-TRAP, AND OFFSET DRAIN ARE TO REMAIN AND BE REUSED. PROVIDE NEW UNDERCOUNTER MOUNTED LAVATORY, KOHLER MODEL K-2211 OR APPROVED EQUAL. PROVIDE NEW SINGLE LEVER ADA ACCESSIBLE FAUCET WITH 0.5GPM AERATOR, AMERICAN STANDARD 7385.050 OR APPROVED EQUAL. CONNECT NEW FIXTURE AND FAUCET TO EXISTING OFFSET DRAIN, P-TRAP, AND SUPPLY STOPS.



BASEMENT FLOOR PLAN - BLDG. "A" - NEW WORK - PLUMBING

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

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RENOVATIONS OF THE
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237 COLISEUM DRIVE MACON, GEORGIA

GEORGIA REGISTERED NO. 031702 PROFESSIONAL ENGINEER WILSON H. DENT

ISSUANCES	
05-26-2016	BID DRAWINGS

15-030

LARGE SCALE PLANS - BLDG. "A" - NEW WORK - PLUMBING

P2.1A

LIGHTING FIXTURE SCHEDULE

MARK	LAMPS	VOLT.	FIXTURE TYPE-SEE SPECIFICATIONS	MOUNTING	REMARKS
A	24W LED 2000 LUMENS NOMINAL	UNV. EQUALS BY:	ARCHITECTURAL WALL SCONCE LITHONIA WSR LED 1 10A700/40K SR3 MVOLT ELCW ARCHITECT SHALL SELECT FINISH PROVIDE WITH INTEGRAL BATTERY PACK HUBBELL BRANDS, CREE LIGHTING	WALL AT SAME HEIGHT AS EXIST.	4000K

SECTION 26 0002 - ELECTRICAL SPECIFICATIONS

1.1 26 0501 EXISTING CONDITIONS

A. The demolition plan (where shown) has been prepared to assist the Contractor in determining the scope of demolition work and should not be construed to be all of the demolition required. The Contractor shall visit job site (after carefully reviewing the contract documents) and determine exact areas and quantities of existing materials to be removed to accomplish new construction.

B. Where existing circuits to remain are inadvertently damaged or disturbed, replace or repair the damaged portion of the circuit. The finished work shall conform to this specification for new work between remaining portions of the work around the removed work. Where circuit portions are removed by this work, reconnect circuits, re-route circuits, and provide circuit portions as required to maintain circuit continuity. Provide new conduit between remaining portions of the circuit. Provide new conductor of the same description between the first existing boxes, or provide boxes in accessible locations.

C. Remove out-of-service communications cables including but not limited to telephone, computer, TV, antenna. Out-of-Service shall be defined as follows: Cables which have one or both ends disconnected from jacks or equipment. Cables which the Owner has tagged as "DEMOLISH"; and the Owner has disconnected or cut the cable.

D. Hazardous Materials:
1. A/E's Responsibility: Plans and specifications have been prepared by the A/E for the Owner without the A/E having conducted investigation as to the presence of asbestos or hazardous waste on the project. Not being a part of this contract, the A/E has not charged any fees and has not and will not advise the Owner with regard to the detection and/or removal of asbestos or hazardous waste. The Owner is aware that asbestos or hazardous waste could be present and will make all decisions with regard to its removal. The removal of all hazardous materials and encapsulation of remaining surfaces is the sole responsibility of the Owner.
2. If the Contractor observes the existence of a friable material which must be disturbed during the course of his work, the Contractor shall promptly notify the Owner and the Architect. The Owner shall make all arrangements regarding testing and removal or encapsulation of asbestos material if present. The Contractor shall not perform any work pertinent to the friable material prior to receipt of special instructions from the Owner through the Architect.
3. "Friable Material" is any material which can be crumbled, pulverized or reduced to a powder by hand pressure when dry.

1.2 26 0510 GENERAL ELECTRICAL REQUIREMENTS

A. General Items:
1. Drawings are diagrammatic and show the general location of the equipment, raceway, and equipment, but are not to be scaled. All dimensions shall be verified at the building site. Prefabrication and/or installation of work from drawings shall be at the Contractor's risk. Refer to Architectural plans and sections for exact building dimensions and details.
2. Provide housekeeping and equipment pads where penetrations occur through any slab in the electrical rooms. Any conduit that penetrates the slab and is exposed in the space shall be wrapped in a housekeeping pad. All electrical items that sit on the slab shall have housekeeping pads below. Rough up slab uncer bases before pouring concrete.
3. Where penetrations are made in fire rated partitions, walls, floors or ceilings during the course of electrical installation, these penetrations shall be restored to their intended fire ratings by the use of fittings or materials as approved by Underwriter's Laboratories for this purpose.
4. Instruct operating personnel designated by the Owner in operation and maintenance of the fire alarm system prior to the request for final inspection. A manufacturer's service representative shall provide the instructions (Instructor shall not be a sales person, but shall be one with service experience on a continuing basis, knowledgeable about the subject equipment.) The Owner will record (audio or video/audio) operating instructions given by the Contractor to the operating personnel.
5. Regulatory Requirements
   a. Where requirements of these specifications exceed specified codes and ordinances, conform to these specifications.
   b. Materials and equipment included in Underwriters Label Service shall bear that label. Electrical equipment shall be U.L. approved as installed.
   c. Jurisdiction: Where codes or guides refer jurisdiction to local governing code officials, such official in this procedure shall be the State Fire Marshal.
   d. Permits: Obtain all permits, paying all fees in connection therewith. At completion, have work inspected by proper authorities and furnish the Design Professional an inspection certificate showing approval of installation.
   e. The Code currently adopted and presently in effect is the 2009 International Energy Conservation Code with all Georgia State Amendments.
   f. Fire Prevention: Conform to 2012 International Fire Code with all Georgia State Amendments.
   g. Building Code: Conform to the 2012 International Building Code with all Georgia State Amendments.
   h. Electrical: Conform to the 2014 National Electrical Code (NEC), with any GA amendments, NFPA, and the National Electrical Safety Code.
   i. Accessibility: Americans with Disability Act.

B. Submittals: Submit electrical items prior to purchase, for confirmation of acceptance. The purpose of submittals is to demonstrate that the Contractor understands the design concept of the project by indicating the equipment and materials he intends to furnish and install, and by detailing the installation he intends to achieve. The review by the Design Professional shall NOT be construed to be for the purpose of "approving" equipment or drawings. Items to submit (not all inclusive - see individual sections for additional requirements): Conduit, Wire, Wiring Devices, Occupancy Sensors, Floor Boxes, Light Fixtures.

C. Operating and Maintenance manuals: at the end of the project provide a binder that contains shop drawings, wiring diagrams, as builts, warranty information and sign in sheets for all owner training sessions.

1.3 26 0519 LOW VOLTAGE POWER CONDUCTORS

A. Design Intent:
1. Provide copper conductors, THHN/THWN insulation.
2. All conductors shall be made in the USA.
3. Provide solid conductors for circuits #10 AWG and smaller, stranded for larger.
4. Provide a dedicated neutral conductor for all branch circuits. THERE SHALL BE NO SHARED NEUTRAL CONDUCTORS.

B. Color Code:
1. 480Y/277 V, 3 Phase, 4 Wire System:
   a. Phase A: Brown.
   b. Phase B: Orange.
   c. Phase C: Yellow.
   d. Neutral/Grounded: Gray.
2. 208Y/120 V, 3 Phase, 4 Wire System:
   a. Phase A: Black.
   b. Phase B: Red.
   c. Phase C: Blue.
   d. Neutral/Grounded: White.
3. Equipment Ground, All Systems: Green.

C. Submittal Requirements: NONE

1.4 26 0534 CONDUIT

A. Design Intent:
1. All ceilings are exposed in this portion of the building. It is critical that hard pipe conduit be installed in a neat manner, tight to structure, following building lines parallel and perpendicular. Any work that is deemed unacceptable or unsightly by the Design Professional shall be reworked by the Contractor without charge.
2. All conduit shall be made in the USA.
3. All new conduit must be painted to match the surrounding wall or ceiling color.
4. Use EMT conduit in dry spaces inside the building, 1/2" minimum unless the drawings indicate something larger. Where conflicting sizes are shown, install the larger size.

B. Installation:
1. Unless dimensioned, conduit routing indicated is diagrammatic.
2. When conduit destination is indicated and routing is not shown, determine exact routing required.
3. Arrange conduit to provide no more than the equivalent of four 90 degree bends between pull points.
4. Join EMT conduit together with set screw connectors.
5. Provide insulating bushings or insulated throats at all conduit terminations to protect conductors.
6. Provide #16 galvanized pullwire or minimum 200 lb. polyolefin pull cord in each empty conduit except sleeves and nipples.
7. Install firestopping to preserve fire resistance rating of partitions and other elements.

1.5 26 0537 BOXES

A. Design Intent: All boxes used in dry interior spaces shall be stamped metal type unless otherwise noted. Coordinate the size of the backbox required for the fire alarm devices with the manufacturer prior to purchase and rough in.

B. Installation:
1. Typical backbox mounting heights include:
   a. Receptacles: 18" AFF
2. Boxes in fire rated walls: Install boxes to preserve fire resistance rating of partitions and other elements, using materials and methods specified. Where boxes are located in fire rated walls the wall opening area shall be limited as required by NFPA. Where box openings exceed NFPA limits provide a two hour fire rated barrier around the back and sides of boxes, inside the wall. Construct the barrier with two hour rated material of the board type joined with two hour fire rated material of the caulk type.

1.6 26 0553 IDENTIFICATION OF ELECTRICAL SYSTEMS

A. Design Intent: Labeling circuits and panels is critical when renovating a space. There cannot be too much labeling.

B. Devices to be labelled include:
1. Panels, Transformers, Disconnects: Engraved type, white on black, indicating "Name" and "Fed by Panel-Circuit".
2. New panel directories will be required on any panel that any new work is performed. Where existing work is demolished, the breakers shall be labeled as "spare". If at any time an existing circuit has to be traced to find its origin and the device(s) that it serves; once this information is gathered, the circuit shall be clearly and permanently labeled in the existing panel and on the device in the method described by the detail on the sheet. New work indicated on the panel schedule shall be identified with the load and the room number.

1.7 26 2726 WIRING DEVICES

A. Provide the following:
1. Wall Switches: 20A, Heavy Duty. IVORY in color.
2. Receptacles: NEMA 5-20, Heavy Duty. IVORY in color. GFI type where indicated. Provide a "while in use" cover for exterior receptacles at the outdoor air units.
3. Wall plates: Jumbo size, Brushed satin finish, Type 302 stainless steel.

B. Installation:
1. Provide GFI receptacles with integral GFI protection at each location indicated. Do not use feed-through wiring to protect downstream devices.
2. Where two or more devices are shown adjacent, they shall be mounted in ganged boxes and covered with one faceplate.

C. Submittal Requirements: Provide submittal data indicating device model number and color prior to purchasing.

1.8 26 5100 LIGHTING

A. Design Intent: Furnish products as indicated on drawings and in specifications

B. Submittal Requirements: Submit fixtures for review prior to purchase.

1.9 26 5200 SENSOR LIGHTING CONTROL

A. Design Intent: The objective of this section is to ensure the proper installation of the occupancy sensor based lighting control system so that lighting is turned off automatically after reasonable time delay when a room or area is vacated by the last person to occupy said room or area. The occupancy sensor based lighting control shall accommodate all conditions of space utilization and all irregular work hours and habits. Where applicable, occupancy sensors shall be wired in a "Manual ON/ Auto OFF" configuration.

B. Installation:
1. The location of sensors shown on the plans are diagrammatic only. Locate sensors to avoid interference with possible obstructions.
2. Provide all power/switch packs required to make the system fully functional. Usually, a minimum of one power/switch pack is required per circuit and/or area of control. However in some cases additional power/switch packs may be required. Contact manufacturer for final determination of power/switch packs required for this project
3. Wall switches shown in spaces with occupancy sensors shall be wired to override the sensor so that the lights can be switched off manually.
4. In spaces shown with multiple sensors, wire the sensors in parallel so that either sensor can control all of the fixtures on that circuit.
5. Mount ceiling type devices in the center of a ceiling tile.

C. Submittal Requirements: Submit sensors for review prior to purchase.

1.10 26 XXXX STRUCTURED CABLING FOR VOICE/DATA

A. Design Intent - Voice/Data: Route BLUE CAT 6 plenum rated cable from the outlet shown back to the patch panel. Terminate both ends with RJ 45 connectors. Active equipment (handsets, hubs, switches, media converters, etc.) is not included in this contract unless otherwise noted.

B. Design Intent - Pathways: Utilize EMT conduit from the device backbox out of the wall up to above the accessible ceiling. Once above the ceiling, transition to:
1. J hooks in the style of a double 2.5" Arlington loop #TL25 RC14D.

C. Installer Qualifications:
1. The telecommunications installation contractor shall be licensed in the State of Georgia as a Low Voltage Licensed Telecommunications Contractor (LVLTC).
2. The selected LVLTC shall be fully capable and experienced in the telecommunications distribution system to be installed.
3. The LVLTC shall have a minimum of five (3) years of experience installing Structured Cabling Systems and be a certified installer of the approved cable/component system solution.

D. Labeling Horizontal Cables:
1. Permanently secure the label within 6 inches from both ends of the cable and at all pull boxes.
2. Label shall indicate patch panel and port to which the horizontal cable is terminated.

E. Testing - Copper Cabling and Associated Equipment:
1. Test backbone cables after termination but before cross-connection.
2. Category 6 Links: Perform tests for wire map, length, DC continuity, attenuation, NEXT, PSNEXT, ELFEXT, PSELFEXT, return loss, and propagation delay.
3. Utilize a Level IIe tester for Category 6 link compliance. If any part of the installed system results in a "FAIL" indicator on the tester, the problem shall be analyzed and corrected.
4. Testers shall be correctly set to test the type and manufacturer of the horizontal cable used in the link being tested, including the correct NVP.

END OF SECTION

ELECTRICAL LEGEND

LIGHTING FIXTURES

	FLUORESCENT ON "NORMAL" POWER		(LIFE SAFETY EGRESS FIXTURE)
			(UNSWITCHED NIGHT LIGHT FIXTURE)
			(WITH INTEGRAL BATTERY PACK)
	CEILING MOUNTED FIXTURE		EXIT LIGHT (ARROWS AS SHOWN)
	WALL MOUNTED FIXTURE		EMERGENCY BATTERY PACK-WALL
	TRACK LIGHTS: QUANTITY OF HEADS AS SHOWN		EMERGENCY BATTERY PACK-CEILING

LIGHTING CONTROL

S	SINGLE POLE SWITCH		RELAY PANEL
S2	TWO POLE SWITCH	U	CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR AND RELAY
S3	THREE WAY SWITCH		
S4	FOUR WAY SWITCH		CEILING/WALL MOUNTED INFRARED OCCUPANCY SENSOR AND RELAY
SD	DIMMER SWITCH		
SK	KEYED SWITCH	UI	CEILING MOUNTED COMBINATION INFRARED/ ULTRASONIC OCCUPANCY SENSOR AND RELAY
SP	"P" INDICATES PILOT LIGHT		
SI	WALL MOUNTED SWITCH INFRARED OCCUPANCY SENSOR	SP	SWITCHING PHOTOCELL (INTERIOR TYPE) F.C. NOTED
		DP	DIMMING PHOTOCELL (INTERIOR TYPE)
SL	LOW VOLTAGE SWITCH	PE	EXTERIOR TYPE PHOTO ELECTRIC SWITCH

RECEPTACLES

	DUPLEX - NORMAL	EWC	ELECTRIC WATER COOLER OUTLET
	QUADRAPLEX - NORMAL	WP	WEATHER PROOF OUTLET
	GFI DUPLEX - NORMAL	H	HORIZONTALLY MOUNTED
	GFI QUADRAPLEX - NORMAL		SPECIAL - TYPE NOTED OR SHOWN
	FLOOR OUTLET DUPLEX - NORMAL		CEILING SPECIAL - TYPE NOTED OR SHOWN
	FLOOR OUTLET QUADRAPLEX - NORMAL		MULTI-OUTLET ASSEMBLY
	CEILING OUTLET DUPLEX - NORMAL		CLOCK ON MASTER SYSTEM
			CLOCK OUTLET

CIRCUITS

	ONE CROSSMARK PER WIRE (3 WIRE UNLESS SHOWN)		RACEWAY EXPOSED
			FLEXIBLE RACEWAY
	RACEWAY CONCEALED IN CEILING OR WALL		CONDUIT UP
			CONDUIT DOWN
	RACEWAY IN GROUND, SLAB, OR UNDER FLOOR		CAP
			CONNECTION TO EQUIPMENT
	HOMERUN- ONE ARROW PER CIRCUIT		

GENERAL EQUIPMENT

	PANELBOARD-250 VAC OR LESS SURFACE MOUNTED		BACKBOARD
			SURGE SUPPRESSOR
	PANELBOARD-250 VAC OR LESS RECESSED		JUNCTION BOX - WALL/CEILING/FLOOR
			MOTOR
	PANELBOARD-OVER 250 VAC SURFACE MOUNTED		EXHAUST FAN
			COMBINATION STARTER AND DISCONNECT
	PANELBOARD-OVER 250 VAC RECESSED		MANUAL STARTER AND MOTOR RATED SWITCH
		CT	CABLE TRAY
T	TRANSFORMER		EMERGENCY PUSHBUTTON
			ENCLOSED CIRCUIT BREAKER
F =#/#/#	DISCONNECT SWITCH: "F" IF FUSED FRAME AMPS/POLES/NEMA TYPE FUSE PER MANUFACTURERS RECOMMENDATIONS		ENCLOSED BREAKER-RECESSED IN WALL

FIRE PROTECTION EQUIPMENT

FACP	FIRE ALARM PANEL		DUCT MOUNTED SMOKE DETECTOR
FAA	FIRE ALARM ANNUNCIATOR		
F	MANUAL PULL STATION		SMOKE DETECTOR: CEILING / WALL
	AUDIO/VISUAL ALARM: CEILING/WALL		
			HEAT DETECTOR: CEILING / WALL
	VISUAL ALARM: CEILING/WALL	WF	WATER FLOW SWITCH
		VS	WATER TAMPER SWITCH
	SPEAKER/VISUAL ALARM: CEILING/WALL	DH	DOOR HOLDER
BT	SMOKE DETECTOR/SENSOR - BEAM TRANSMITTER		FIREMAN'S PHONE OUTLET
BR	SMOKE DETECTOR/SENSOR - BEAM RECEIVER		

COMMUNICATIONS

*	DATA OUTLET, QUANTITY OF JACKS AS NOTED (1D, 2D, ETC.)	M	MICROPHONE: FLOOR/WALL
*	FLOOR DATA OUTLET, QUANTITY OF JACKS AS NOTED	S	SPEAKER: CEILING/WALL
		*HDMI	HDMI OUTLET - COMPLETE WITH CABLE. QUANTITY AS NOTED.
	TELECOM SHALL BE A STRUCTURED DATA SYSTEM.	TV	TELEVISION OUTLET - COMPLETE WITH CABLE
		B	BOX, STUB-UP, AND MODULAR PLATE W/ BLANKS
		V	WALL MOUNTED VOLUME CONTROL

GROUNDING

G	GROUNDING CONDUCTOR- UNDER SLAB OR BELOW GRADE	G	GROUNDING CONDUCTOR- CONCEALED IN ROOF OR WALLS
C	GROUND ROD - C IF CHEMICAL	G	GROUNDING CONDUCTOR- EXPOSED
	GROUND CONNECTION (SCHEMATIC)	G	GROUNDING PLATE

SECURITY

C	CARD READER	D	DOOR PUSH BUTTON
	CCTV CAMERA, CEILNG MOUNTED.	P	PANIC BUTTON
	CCTV CAMERA, WALL MOUNTED.		

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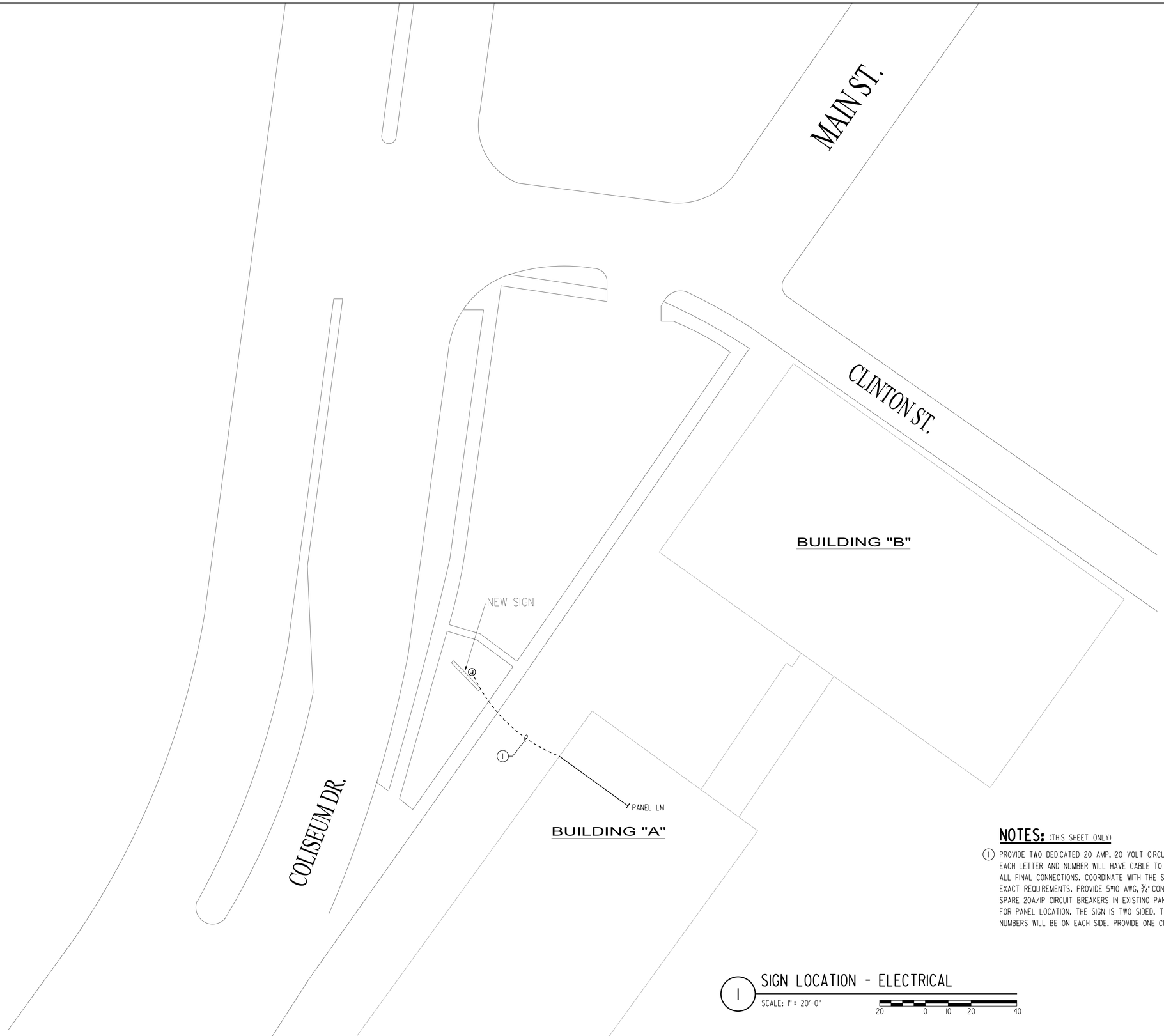
05-26-2016	BID DRAWINGS

15-030

LEGEND & SCHEDULE - BLDG. "A" - ELECTRICAL

E0.0A



NOTES: (THIS SHEET ONLY)

(1) PROVIDE TWO DEDICATED 20 AMP, 120 VOLT CIRCUITS FOR SIGN LIGHTING. EACH LETTER AND NUMBER WILL HAVE CABLE TO POWER BACKLIGHT. MAKE ALL FINAL CONNECTIONS. COORDINATE WITH THE SIGN MANUFACTURER FOR EXACT REQUIREMENTS. PROVIDE 5#10 AWG, ¾" CONDUIT. CONNECT TO TWO SPARE 20A/1P CIRCUIT BREAKERS IN EXISTING PANEL LM. SEE SHEET E1.0A FOR PANEL LOCATION. THE SIGN IS TWO SIDED. THE LIGHTED LETTERS AND NUMBERS WILL BE ON EACH SIDE. PROVIDE ONE CIRCUIT PER SIDE.

(1) SIGN LOCATION - ELECTRICAL

SCALE: 1" = 20'-0"

20 0 10 20 40

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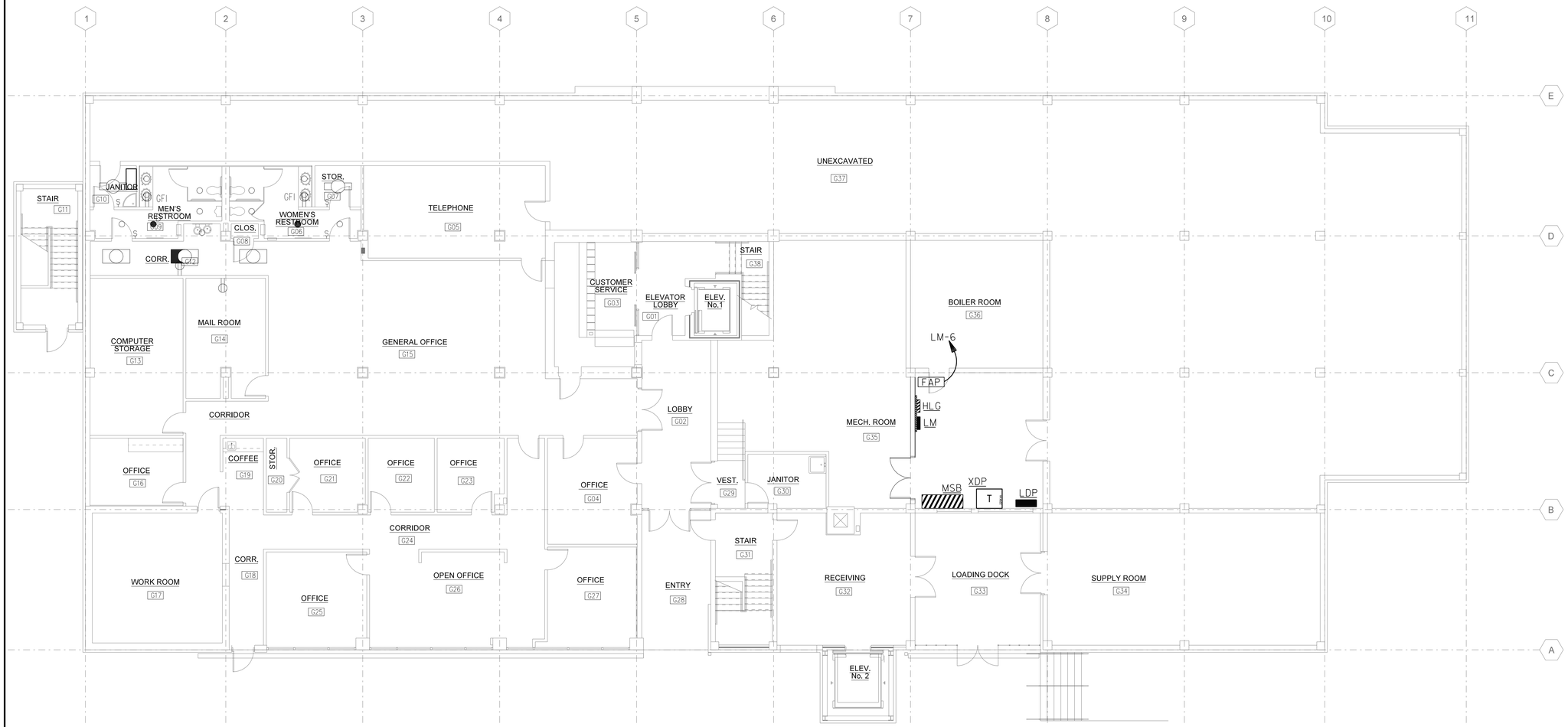
SIGN LOCATION - ELECTRICAL

E0.1



1 BASEMENT FLOOR PLAN - BLDG. "A" - ELECTRICAL

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

8 0 4 8 16

N

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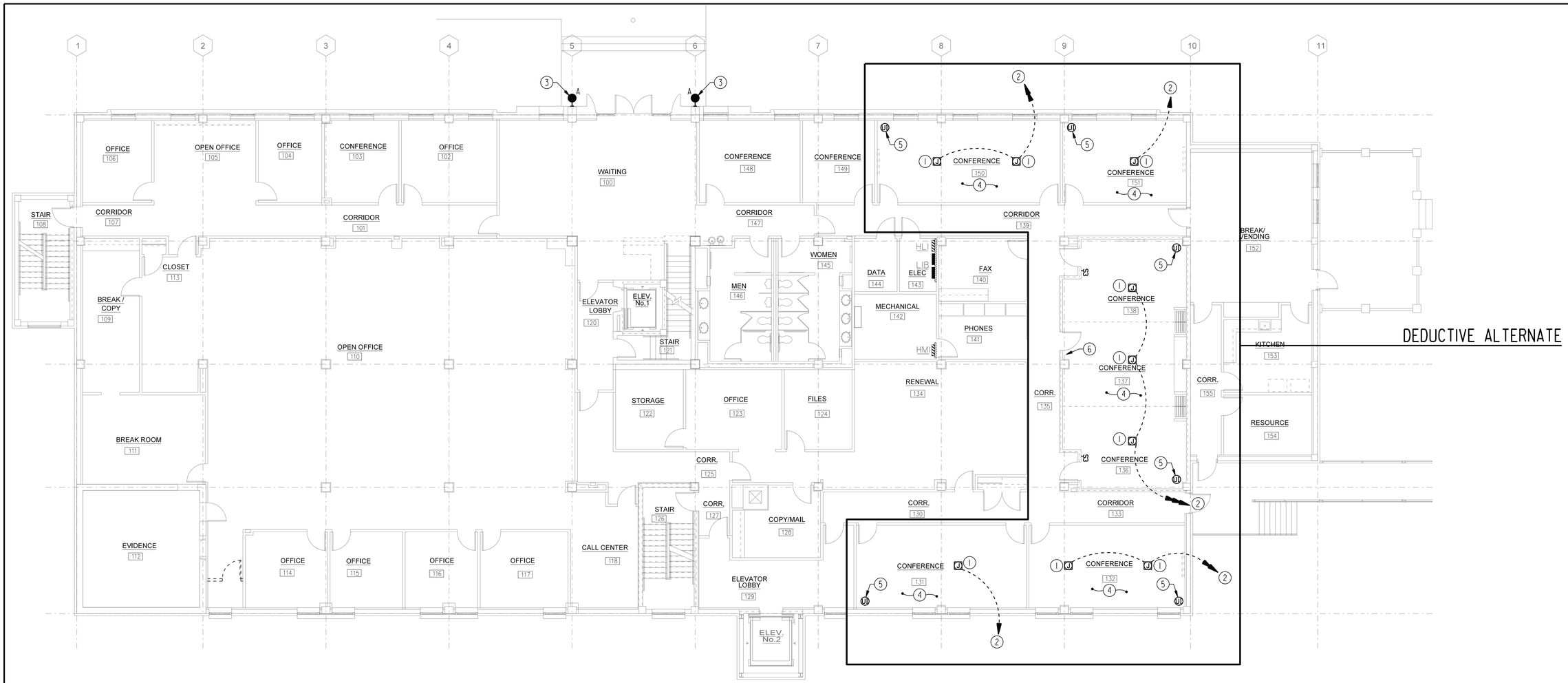
BASEMENT FLOOR PLAN - BLDG. "A" - ELECTRICAL

E1.0A



1 FIRST FLOOR PLAN - BLDG. "A" - ELECTRICAL

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

8 0 4 8 16

GENERAL NOTES: (THIS SHEET ONLY)

(A) POKE THRU DEVICES SHALL BE BY WIREMOLD (BASIS OF DESIGN) OR APPROVED EQUAL BY HUBBELL, STEEL CITY.

NOTES: (THIS SHEET ONLY)

(1) PROVIDE WIREMOLD EVOLUTION SERIES (SIX INCH) POKE THRU FLOOR BOX WITH TWO DUPLEX, 20 AMP, 120 VOLT OUTLETS AND FOUR CAT 6 DATA OUTLETS. PROVIDE WITH NICKEL PLATED FINISH. PROVIDE ONE INCH CONDUIT FOR DATA CABLES BACK TO DATA 144. PROVIDE NEW PATCH PANELS AS REQUIRED. MAKE ALL TERMINATIONS.

(2) ROUTE 20 AMP, 120 VOLT CIRCUIT (NUMBER AS SHOWN) TO EXISTING 225 AMP PANEL LIB. PROVIDE #12 AWG CONDUCTORS WITH DEDICATED NEUTRALS AND SHARED GROUND. PROVIDE NEW 20A/1P CIRCUIT BREAKERS MATCHING EXISTING PANEL AIC RATING.

(3) REPLACE EXISTING WALL MOUNTED LIGHT FIXTURE WITH NEW TYPE A FIXTURE. SEE LIGHTING FIXTURE SCHEDULE ON SHEET E0.0A.

(4) REMOVE ANY EXISTING FLOOR BOXES FROM THIS SPACE. PROVIDE BLANK COVERS.

(5) PROVIDE NEW DUAL TECHNOLOGY OCCUPANCY SENSOR TO CONTROL EXISTING LIGHTING IN THIS SPACE. WHERE MORE THAN ONE SENSOR IS SHOWN IN SAME SPACE, EACH SENSOR SHALL CONTROL ALL LIGHTS IN SPACE.

(6) REMOVE EXISTING LIGHT SWITCHES AT THIS LOCATION. REVISE SWITCHING IN THIS ROOM SO THAT ALL LIGHTS ARE CONTROLLED VIA THE THREE WAY SWITCHES AT THE OTHER TWO DOORS.

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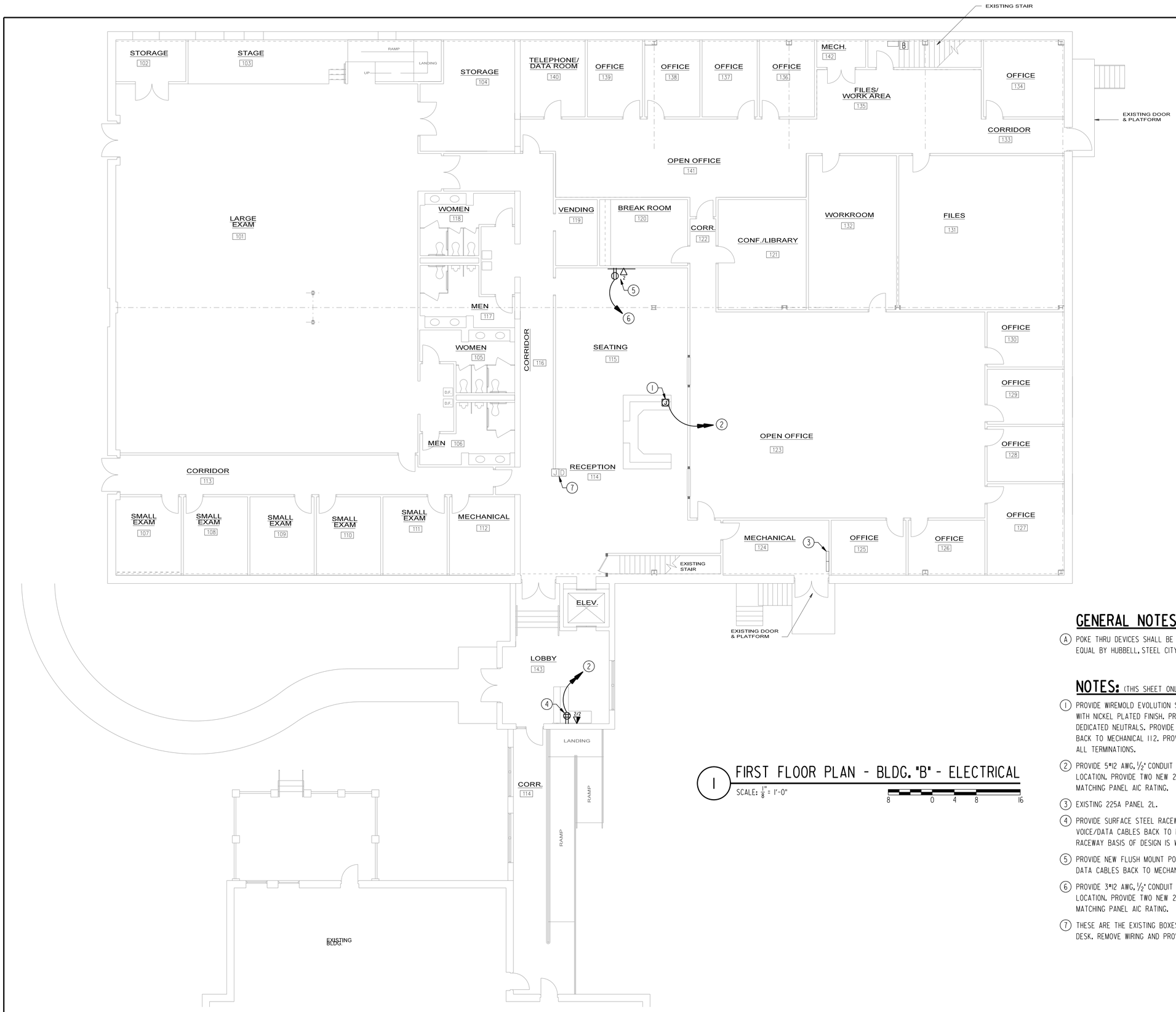
FIRST FLOOR PLAN - BLDG. "A" - ELECTRICAL

E1.1A



1 FIRST FLOOR PLAN - BLDG. "B" - ELECTRICAL

SCALE: 1" = 1'-0"

8 0 4 8 16

GENERAL NOTES: (THIS SHEET ONLY)

(A) POKE THRU DEVICES SHALL BE BY WIREMOLD (BASIS OF DESIGN) OR APPROVED EQUAL BY HUBBELL, STEEL CITY.

NOTES: (THIS SHEET ONLY)

(1) PROVIDE WIREMOLD EVOLUTION SERIES 6ATCFF FURNITURE FEED POKE THRU WITH NICKEL PLATED FINISH. PROVIDE TWO 20A, 120 VOLT CIRCUITS WITH DEDICATED NEUTRALS. PROVIDE EIGHT CAT 6 DATA CABLES IN 1½" CONDUIT BACK TO MECHANICAL 112. PROVIDE NEW PATCH PANELS AS REQUIRED. MAKE ALL TERMINATIONS.

(2) PROVIDE 5#12 AWG, ½" CONDUIT TO EXISTING PANEL 2L. SEE NOTE 3 FOR PANEL LOCATION. PROVIDE TWO NEW 20A/1P CIRCUIT BREAKERS IN EXISTING PANEL MATCHING PANEL AIC RATING.

(3) EXISTING 225A PANEL 2L.

(4) PROVIDE SURFACE STEEL RACEWAY FOR POWER/DATA IN THIS LOCATION. ROUTE VOICE/DATA CABLES BACK TO MECHANICAL 112. MAKE ALL TERMINATIONS. RACEWAY BASIS OF DESIGN IS WIREMOLD. EQUALS BY HUBBELL AND STEEL CITY.

(5) PROVIDE NEW FLUSH MOUNT POWER/DATA OUTLETS AT 60"AFF FOR TV. ROUTE DATA CABLES BACK TO MECHANICAL 112. MAKE ALL TERMINATIONS.

(6) PROVIDE 3#12 AWG, ½" CONDUIT TO EXISTING PANEL 2L. SEE NOTE 3 FOR PANEL LOCATION. PROVIDE TWO NEW 20A/1P CIRCUIT BREAKERS IN EXISTING PANEL MATCHING PANEL AIC RATING.

(7) THESE ARE THE EXISTING BOXES FOR POWER/DATA FEED TO THE RECEPTION DESK. REMOVE WIRING AND PROVIDE BLANK COVERS FOR THESE BOXES.

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FIRST FLOOR PLAN - BLDG. "B" - ELECTRICAL

E1.1B