

RENOVATIONS TO LOCUST GROVE CITY HALL

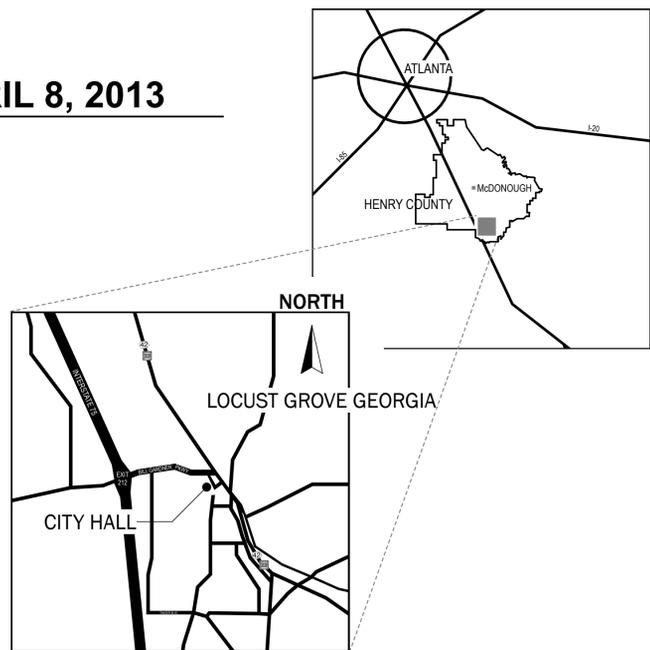
APRIL 8, 2013

3644 Georgia 42 Locust Grove, GA 30248

For the
City of Locust Grove
Robert Price, Mayor

CONSTRUCTION DOCUMENT SUBMITTAL

RICHARD
WITTSCHIEBE
HAND



PROJECT TEAM

RICHARD
WITTSCHIEBE
HAND

ARCHITECT
RICHARD WITTSCHIEBE HAND
15 SIMPSON STREET
ATLANTA, GA 30308
p: 404.688.2200



STRUCTURAL ENGINEER
QUINN ENGINEERING
110 LOWRIDGE COURT
DULUTH, GA 30097
p: 770.751.9491



MECHANICAL PLUMBING & ELECTRICAL ENGINEER
COVALENT CONSULTING
3414 PEACHTREE ROAD
SUITE 301
ATLANTA, GA 30326
p: 404.355.9334



RICHARD
WITTSCHIEBE
HAND

15 Simpson Street
Atlanta, Georgia 30308
P 404.688.2200
F 404.688.2400
www.rwhdesign.com

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04/08/13			COVER SHEET

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04/08/13	E1.1	FLOOR PLANS

The Scope of Work generally consists of adding a Passenger Elevator and a Restroom to the existing Locust Grove City Hall. No Change of Occupancy or structural modifications to the existing facility are a part of this scope.
The existing facility is not protected by an automatic sprinkler system.

REFER TO A1.0 "GENERAL INFORMATION & KEY PLANS" FOR BUILDING CODE INFORMATION

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RENOVATIONS TO
LOCUST GROVE CITY HALL
3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS

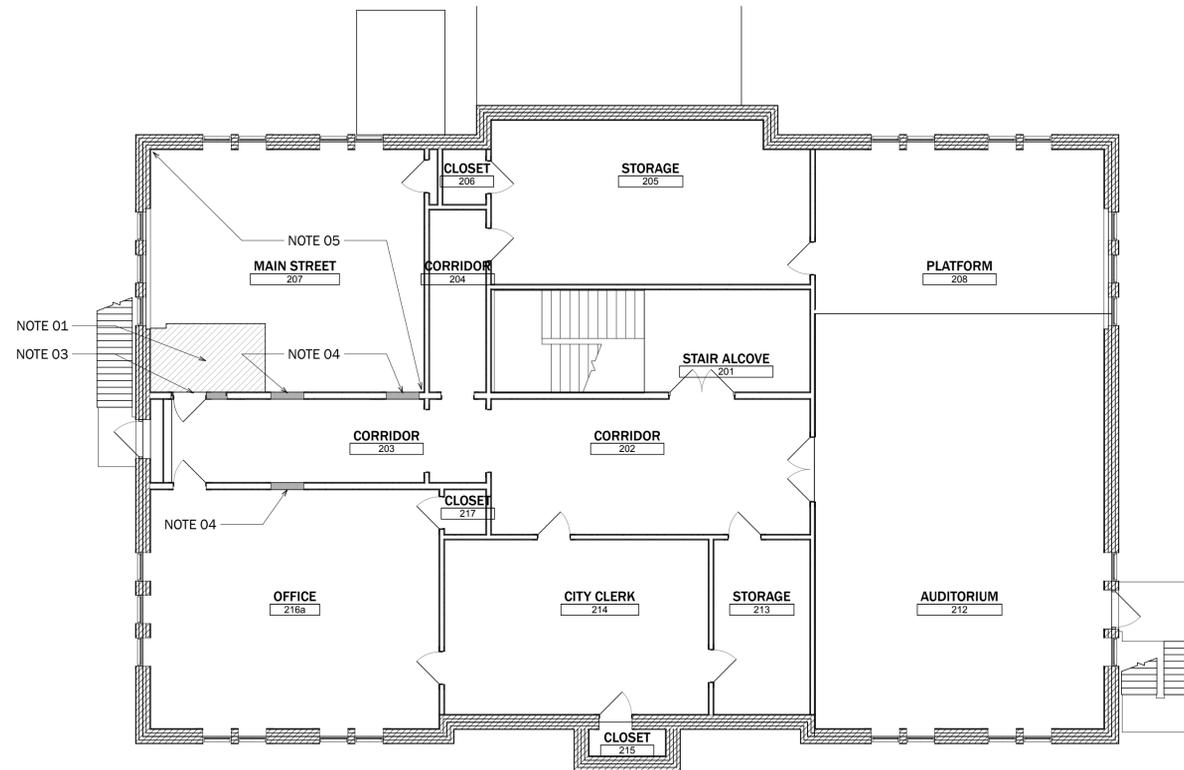
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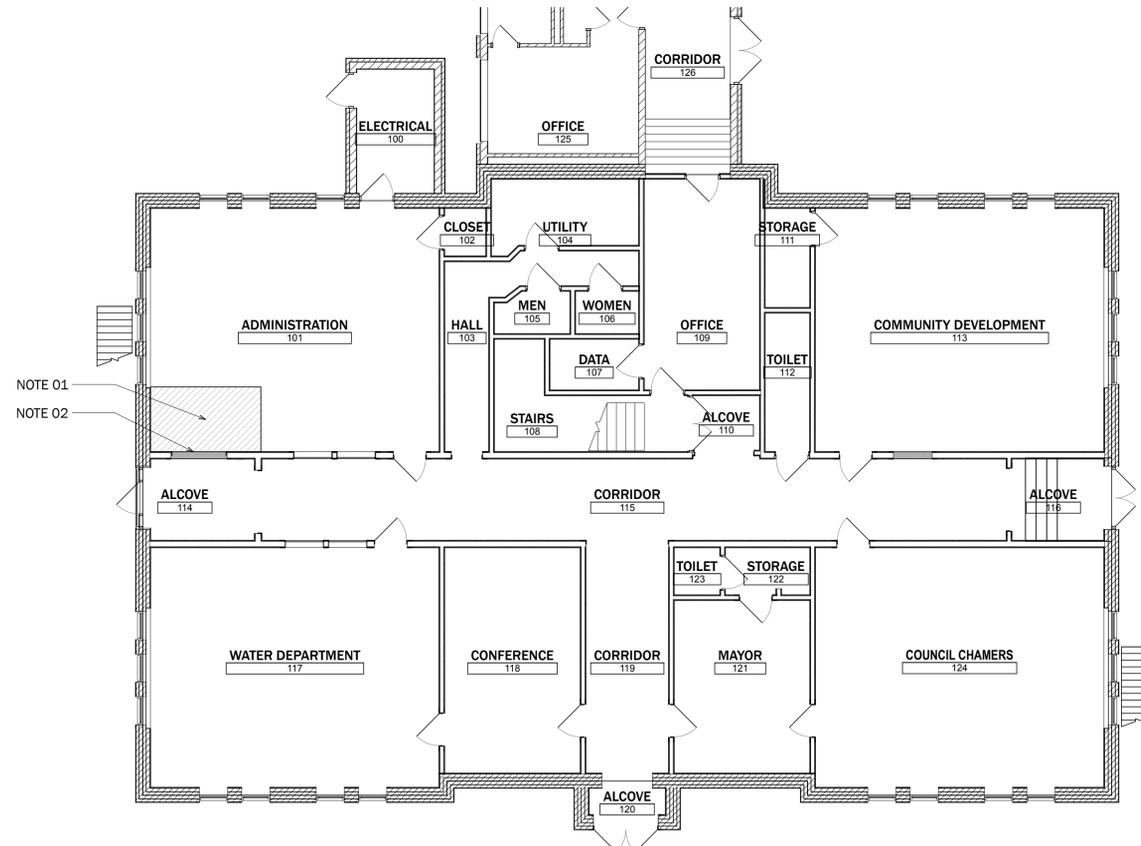
JOB NUMBER
201214

DATE
04/08/13

This is an artist impression and is not intended for use for construction. Images may not be representative of the final design.



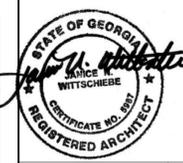
2 SECOND FLOOR DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"
 NORTH



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

- GENERAL DEMOLITION NOTES**
- A ALL EXISTING STRUCTURAL COMPONENTS- INCLUDING FLOORS, WALLS, SLABS, AND BEAMS- SHALL REMAIN UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL STRUCTURAL DEMOLITION INFORMATION.
 - B THE OWNER WILL OCCUPY PORTIONS OF THE BUILDING IMMEDIATELY ADJACENT TO DEMOLITION AREAS. CONDUCT SELECTIVE DEMOLITION SO OWNER'S OPERATIONS WILL NOT BE DISRUPTED.
 - C IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE WORK. IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY ARCHITECT AND OWNER. HAZARDOUS MATERIALS WILL BE REMOVED BY OWNER UNDER A SEPARATE CONTRACT.
 - D DEMOLITION AND HAULING EQUIPMENT AND OTHER MATERIALS SHALL BE OF SIZES THAT CLEAR SURFACES WITHIN HISTORIC SPACES, AREAS, ROOMS, AND OPENINGS, INCLUDING TEMPORARY PROTECTION, BY 12 INCHES OR MORE.
 - E MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
 - F UNLESS OTHERWISE INDICATED, DEMOLISHED MATERIALS BECOME CONTRACTOR'S PROPERTY.
 - G LOCATE, IDENTIFY, SHUT OFF, DISCONNECT, AND CAP OFF UTILITY SERVICES TO BE DEMOLISHED.
 - H PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN, AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED. STRENGTHEN OR ADD NEW SUPPORTS WHEN REQUIRED DURING PROGRESS OF SELECTIVE DEMOLITION.
 - I DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS.
 - J PROTECT EXISTING WALLS, CEILINGS, FLOORS, AND EXPOSED FINISHES TO REMAIN.
 - K PROMPTLY PATCH AND REPAIR HOLES AND DAMAGED SURFACES OF BUILDING CAUSED BY DEMOLITION. RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO REMAINING ADJOINING CONSTRUCTION.
 - L CONDUCT SELECTIVE DEMOLITION ONLY IN AREAS THAT ARE NOT DESIGNATED AS HISTORIC.
 - M PROMPTLY REMOVE DEMOLISHED MATERIALS FROM OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM. DO NOT BURN DEMOLISHED MATERIALS.
 - N COMPLY WITH EPA REGULATIONS FOR PROPER DISPOSAL OF DEMOLISHED MATERIALS.

- KEY NOTES**
- 01 REMOVE EXISTING CONSTRUCTION AT ELEVATOR SHAFT LOCATION
 - 02 REMOVE PORTION OF EXISTING WALL FOR NEW ELEVATOR DOOR OPENING
 - 03 REMOVE DOOR OPENING AND PORTION OF EXISTING WALL FOR NEW ELEVATOR DOOR OPENING
 - 04 REMOVE PORTION OF EXISTING WALL FOR NEW DOOR OPENING
 - 05 REMOVE XYZ



RICHARD WITTSCHIEBE HAND

15 Simpson Street
 Atlanta, Georgia 30308
 P 404.688.2200
 F 404.688.2600
 www.rwdesign.com

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RENOVATIONS TO LOCUST GROVE CITY HALL
 3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS

NO.	DESCRIPTION

DEMOLITION PLANS

JOB NUMBER
201214

DATE
04/08/13

SHEET NUMBER

A1.1



RICHARD WITTSCHIEBE
HAND

15 Simpson Street
Atlanta, Georgia 30309
P 404.688.2200
F 404.688.2400
www.rwhdesign.com

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REVISIONS

**RESTROOM
PLANS &
DETAILS**

JOB NUMBER
201214

DATE
04/08/13

SHEET NUMBER

A2.2

GENERAL NOTES

A ALL DIMENSIONS TO EXISTING ELEMENTS ARE APPROXIMATE UNLESS INDICATED AS CRITICAL. "FLOAT" DIMENSIONS WILL VARY BASED ON FIELD CONDITIONS (ALL OTHER DIMENSIONS IN SAME STRING ARE CRITICAL)

B SEE A2.1 FOR GENERAL SPECIFICATIONS

KEY NOTES

01 FLOOR TILE- AMERICAN OLEAN; SATINGLO MOSAIC, 1x1 HEXAGON, ICE WHITE (D25) FIELD (87%) WITH BLACK (D35) ACCENT (13%); INSTALL PER TCNA F144- THINSET MORTAR ON WATERPROOF MEMBRANE OVER 1/4" CEMENT BACKER BOARD ATOP EXISTING WOOD SUBFLOOR AND JOISTS

02 WALL TILE- FIELD- AMERICAN OLEAN; PROFILES, GLOSS, 3x6 BRICKWORK PATTERN (RUNNING BOND), ICE WHITE (0025); INSTALL PER TCNA W244- THINSET MORTAR ON 1/2" CEMENT BACKER BOARD

03 COVE BASE- AMERICAN OLEAN; PROFILES, GLOSS, 3x6 SHAPE A-3361, ICE WHITE (0025)

04 CHAIR RAIL- AMERICAN OLEAN; GLOSS, 2x6 CHAIR RAIL, ICE WHITE (0025)

05 ACCENT TILE- AMERICAN OLEAN; LEGACY GLASS, 1x1 MOSAIC FIELD TILE, SLATE (LG10)

06 ACCENT TILE- AMERICAN OLEAN; LEGACY GLASS, 1/2x6 LINER, SLATE (LG10)

07 MIRROR- BOBRICK; B-290 2436, 24"W x 36"H, MOUNTED TO WALL AT 40" AFF TO BOTTOM OF MIRROR GLASS; NOTE: TILE CONTINUES BEHIND MIRROR

08 HAT AND COAT HOOK- BOBRICK; B-6827, MOUNTED TO BACK OF DOOR

09 SURFACE-MOUNTED SOAP DISPENSER- BOBRICK; B-2111, MOUNTED TO TILE AT 40" AFF TO DISPENSER BUTTON

10 RECESSED MULTI-ROLL TOILET PAPER DISPENSER- BOBRICK; B-3888

11 RECESSED COMBINATION PAPER TOWEL DISPENSER/ WASTE RECEPTACLE- BOBRICK; B-3961

12 36" LONG GRAB BAR- BOBRICK; B-5806 x 36, STAIN-FINISH

13 42" LONG GRAB BAR- BOBRICK; B-5806 x 42, STAIN-FINISH

14 UNDER-LAVATORY PIPE GUARD- PLUMBEREX PRO-EXTREME COVER FOR HOT AND COLD SUPPLY AND DRAINAGE

15 PAINTED 1/2" TYPE 'C' GYPSUM BOARD CEILING ON METAL STUD CEILING SUSPENSION SYSTEM ANCHORED THROUGH BEAD BOARD TO EXISTING WOOD STRUCTURE ABOVE

16 EXISTING WOOD SUBFLOOR

17 RELOCATED EXISTING MOULDING

18 EXISTING BEAD BOARD CEILING- CONTINUES OVER NEW RESTROOM CEILING

19 WOOD STUD AND PLASTER PARTITION- 2x4 WOOD STUDS AT 16" O.C.; FILL STUD CAVITIES WITH SOUND ATTENUATION BLANKETS; PAINTED 3-COAT PLASTER ON METAL LATH

20 AIR SPACE AND SEOND WYTHE OF 2x4 STUDS AT 16" O.C.- NOT APPLICABLE AT SIMILAR

21 PAINTED WOOD CROWN MOULDING, ELIMINATE AT MACHINE ROOM

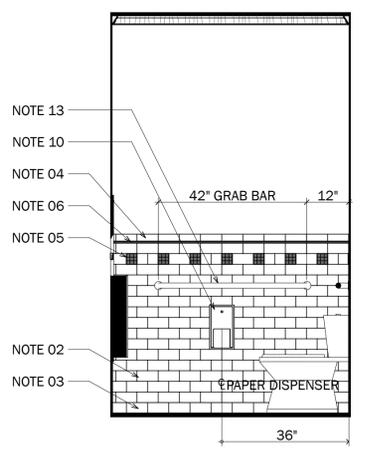
22 TWO 2x4 TOP PLATE- FASTEN THROUGH BEAD BOARD TO EXISTING WOOD STRUCTURE ABOVE

23 PAINTED 1/2" CEMENT BACKER BOARD ABOVE WALL TILE; PAINTED 5/8" TYPE 'X' GYPSUM BOARD AT MACHINE ROOM, ELIMINATE WALL TILING

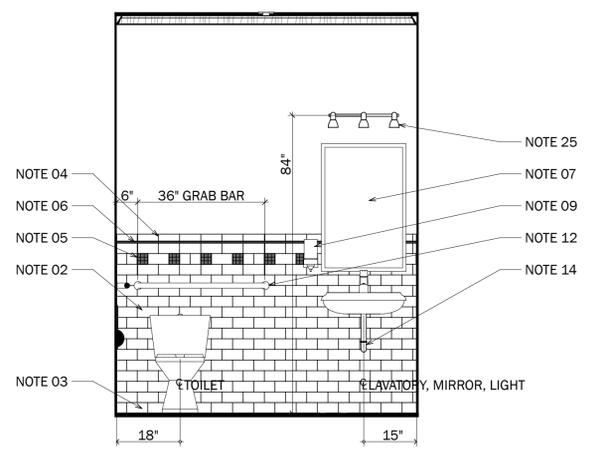
24 RECESSED LIGHT FIXTURE- SEE ELECTRICAL DRAWINGS

25 WALL-MOUNTED LIGHT FIXTURE- SEE ELECTRICAL DRAWINGS

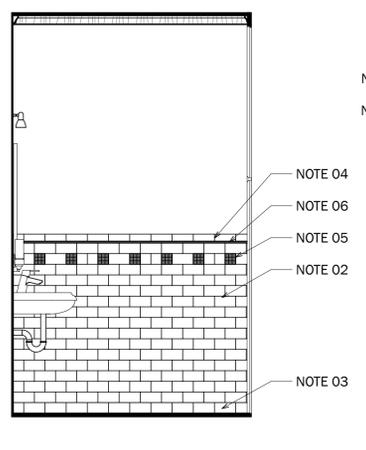
26 TACTILE PANEL SIGN- LOCATE AS SHOWN WITH INTERNATIONAL SYMBOLS AND ACCESSIBLE RAISED CHARACTERS AND BRAILLE, COMPLY WITH APPLICABLE PROVISIONS OF ICC A117.1



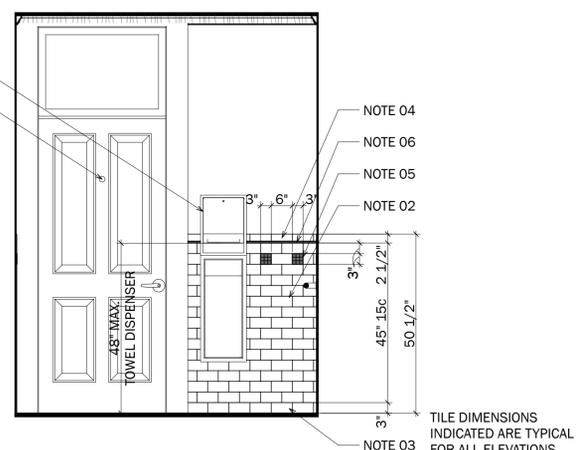
7 RESTROOM SE
SCALE: 1/2" = 1'-0"



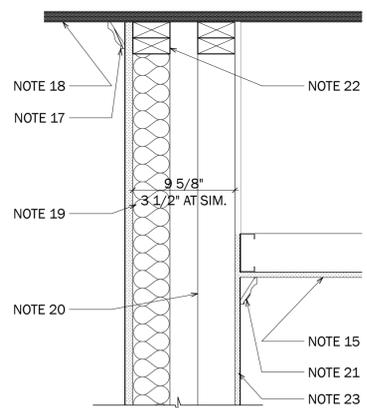
6 RESTROOM SW
SCALE: 1/2" = 1'-0"



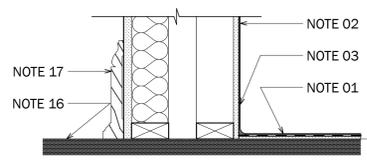
5 RESTROOM NW
SCALE: 1/2" = 1'-0"



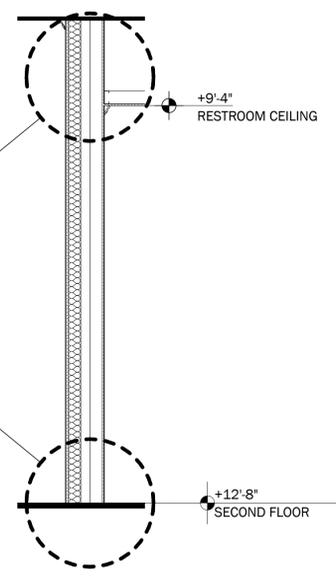
4 RESTROOM NE
SCALE: 1/2" = 1'-0"



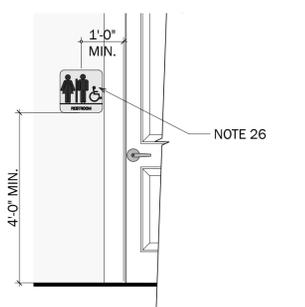
2b WALL TOP DETAIL
SCALE: 1 1/2" = 1'-0"



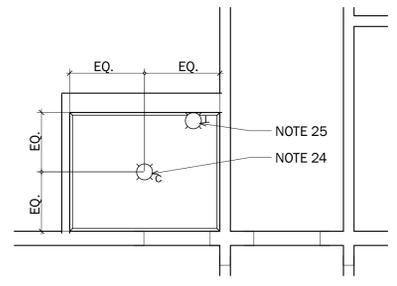
2a WALL BASE DETAIL
SCALE: 1 1/2" = 1'-0"



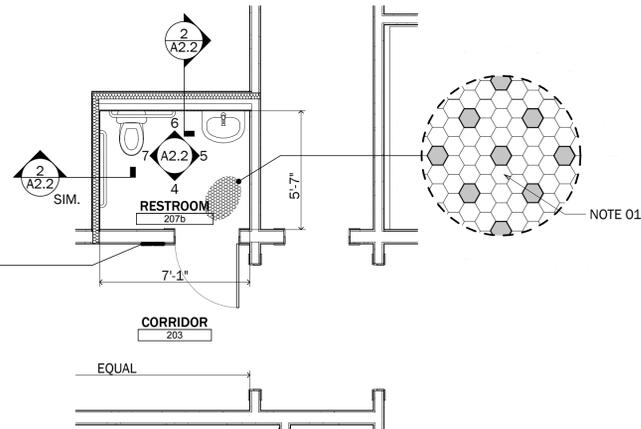
2 WALL SECTION
SCALE: 1/2" = 1'-0"



1a ADA SIGNAGE
SCALE: 1/2" = 1'-0"



3 PARTIAL REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



1 PARTIAL SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



RICHARD
WITTSCHIEBE
HAND

15 Simpson Street
Atlanta, Georgia 30308
P 404.688.2200
F 404.688.2400
www.rwthdesign.com

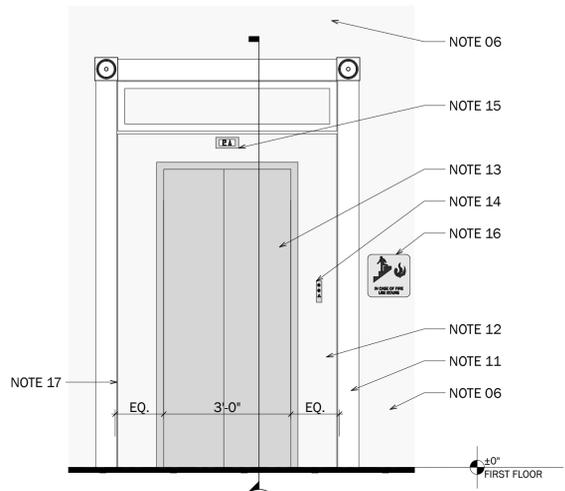
GENERAL NOTES

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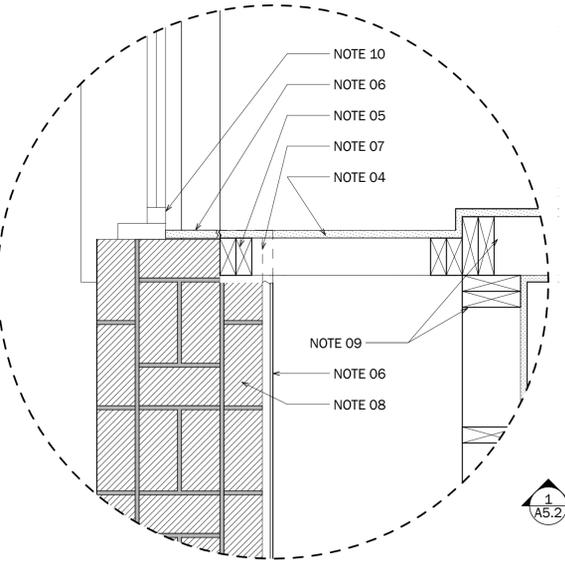
B SEE A2.1 FOR GENERAL SPECIFICATIONS; SEE A5.2 FOR ELEVATOR SPECIFICATIONS

KEY NOTES

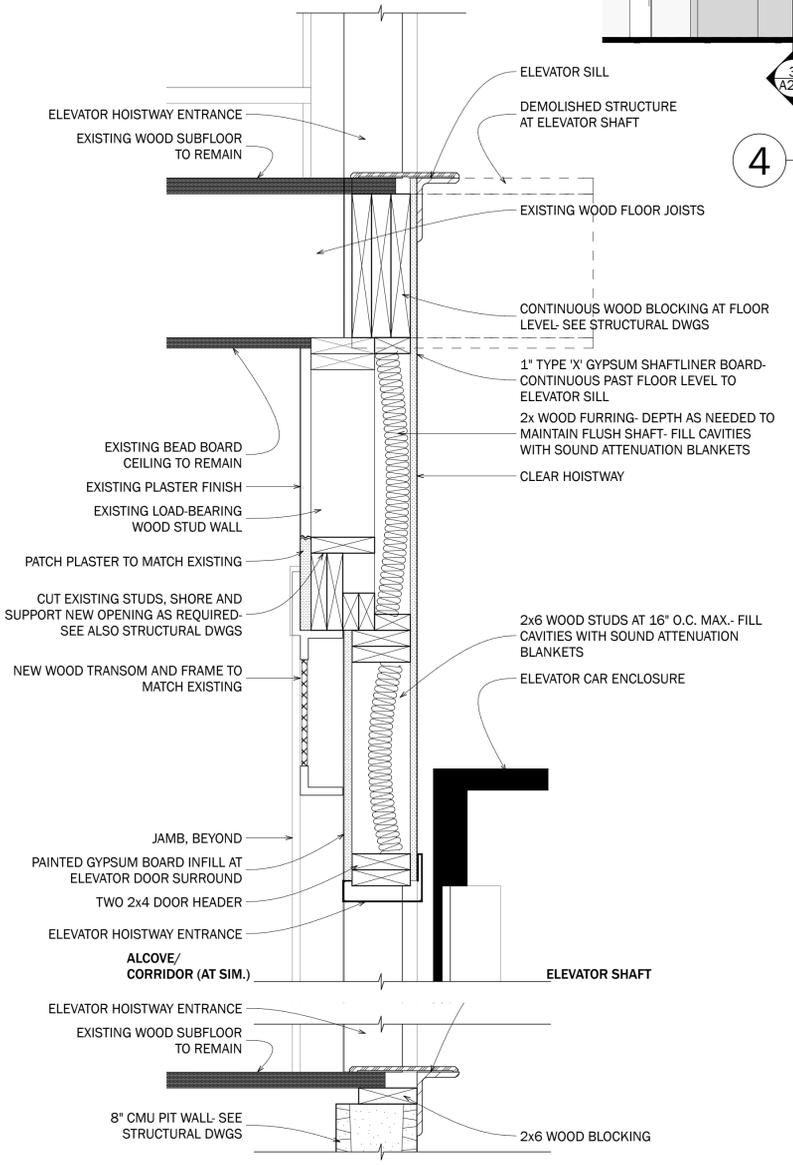
- NEW WOOD DOORS AND FRAMES- WOOD TRIM TO MATCH EXISTING WOOD TRIM INCLUDING PROFILE, DIMENSIONS AND ACCENTS
- EXISTING FIRE EXIT DOOR, STEPS AND EXTERIOR STAIRS TO REMAIN
- ELEVATOR CONTROL EQUIPMENT; COORDINATE LOCATION AND CLEARANCES WITH ELEVATOR MANUFACTURER
- PAINTED 3-COAT PLASTER ON METAL LATH, TYPICAL OFFICE SIDE OF SHAFT WALL
- 2x4 WOOD STUDS- LOCATE PARTITION SO THAT FINISHED FACE OF PLASTER ALIGNS WITH FINISHED FACE OF EXISTING PLASTER AT WINDOW JAMB; PROVIDE 5/8" TYPE 'X' GYPSUM BOARD ON MACHINE ROOM SIDE OF PARTITION AT SIMILAR
- EXISTING PLASTER TO REMAIN
- DEMOLISHED PORTION OF EXISTING PLASTER FOR NEW PARTITION INSTALLATION
- EXISTING 16" DEEP MULTI-WYTHE BRICK WALL TO REMAIN
- LOAD-BEARING WOOD STUD SHAFT WALL- SEE SECTIONS AND DETAILS FOR INFORMATION
- EXISTING WINDOW TO REMAIN
- NEW WOOD FRAME- WOOD TRIM TO MATCH EXISTING WOOD TRIM INCLUDING PROFILE, DIMENSIONS AND ACCENTS
- PAINTED GYPSUM BOARD DOOR SURROUND
- ELEVATOR DOOR
- ELEVATOR HALL PUSH BUTTON STATION
- WALL-MOUNTED ILLUMINATED ARROW HALL-LANTERN; DIGITAL-DISPLAY-TYPE HALL POSITION INDICATOR INTEGRATED WITH POSITION INDICATOR (FIRST FLOOR ONLY).
- ELEVATOR EMERGENCY PICTORIAL SIGN: FABRICATE FROM MATERIALS MATCHING HALL PUSH-BUTTON STATIONS, WITH TEXT AND GRAPHICS AS REQUIRED BY AUTHORITIES HAVING JURISDICTION, INDICATING THAT IN CASE OF FIRE ELEVATORS ARE OUT OF SERVICE AND EXITS SHOULD BE USED INSTEAD.
- INSIDE EDGE OF NEW WOOD TRIM TO MATCH INSIDE EDGE OF EXISTING WOOD DOOR JAMB (SECOND FLOOR); ADJUST TOTAL WIDTH OF WOOD SURROUND AS REQUIRED TO CENTER NEW ELEVATOR DOOR WITHIN OPENING



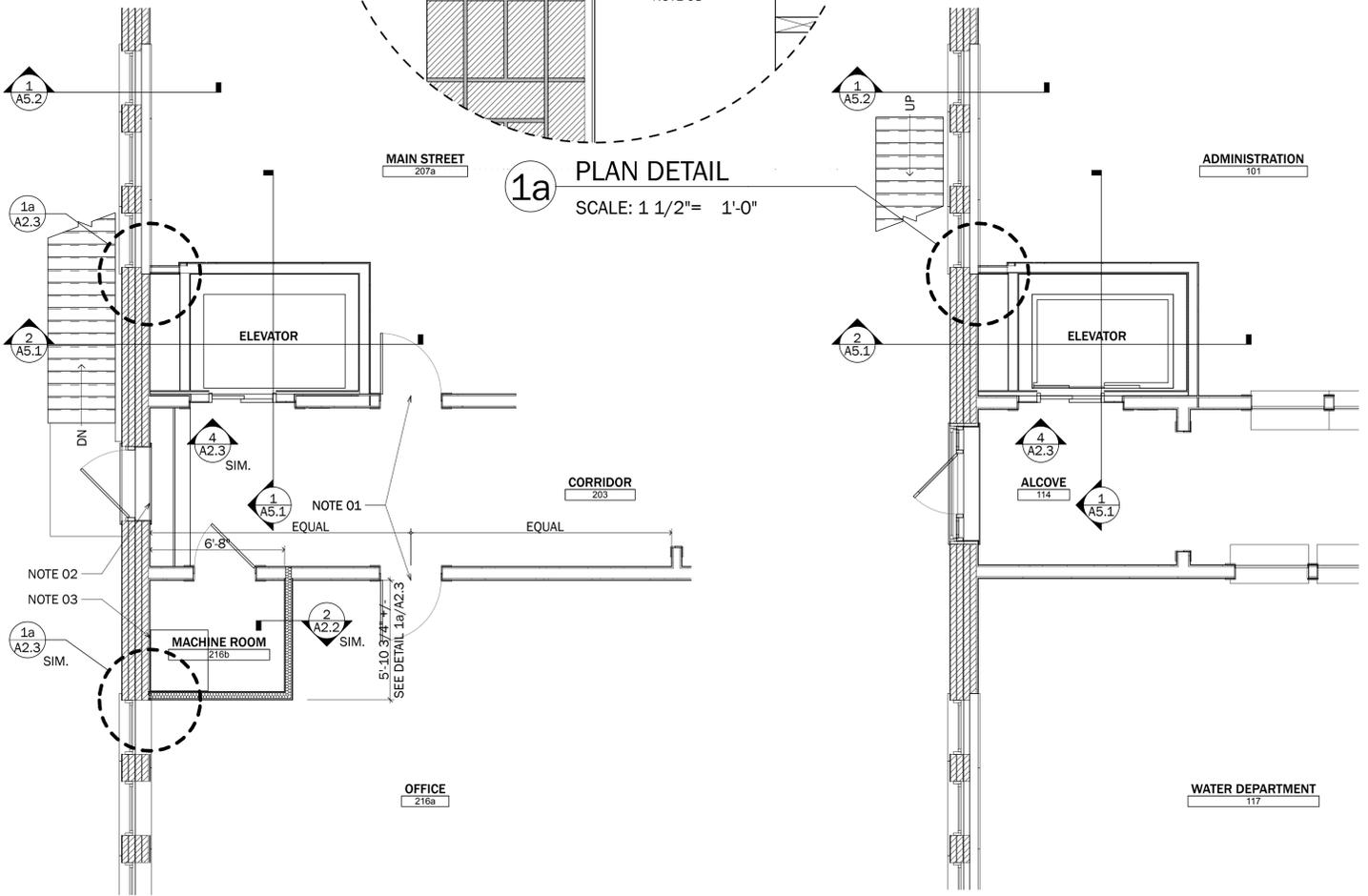
4 DOOR ELEVATION
SCALE: 1/2" = 1'-0"



1a PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



3 ELEVATOR DOOR DETAIL
SCALE: 1 1/2" = 1'-0"



2 PARTIAL SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

1 PARTIAL FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



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3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS

**ELEVATOR
PLANS &
DETAILS**

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DATE
04/08/13

SHEET NUMBER

A2.3



RICHARD WITTSCHIEBE
HAND

15 Simpson Street
Atlanta, Georgia 30308
P 404.688.2200
F 404.688.2400
www.rwdesign.com

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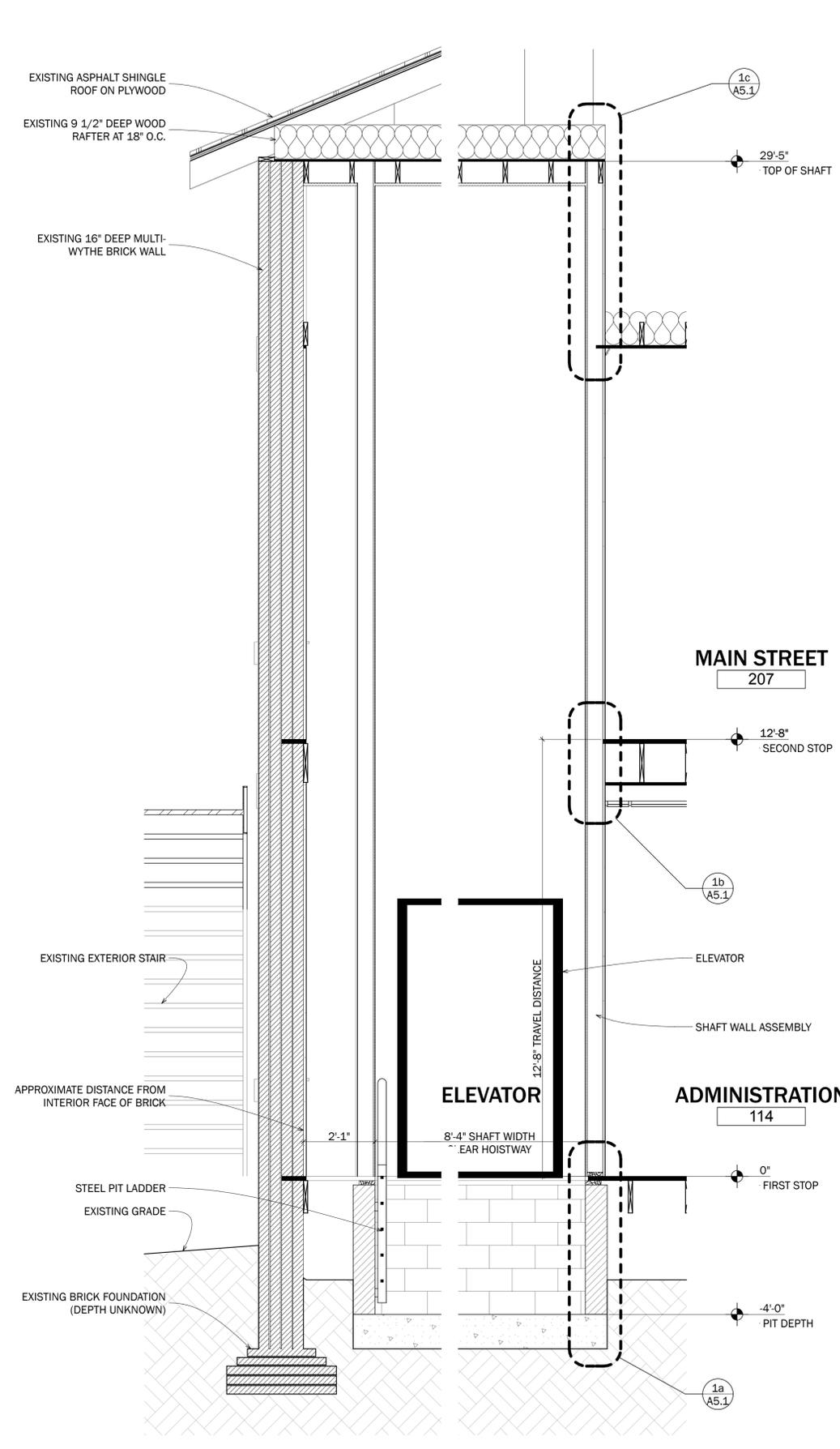
ELEVATOR SECTIONS & DETAILS

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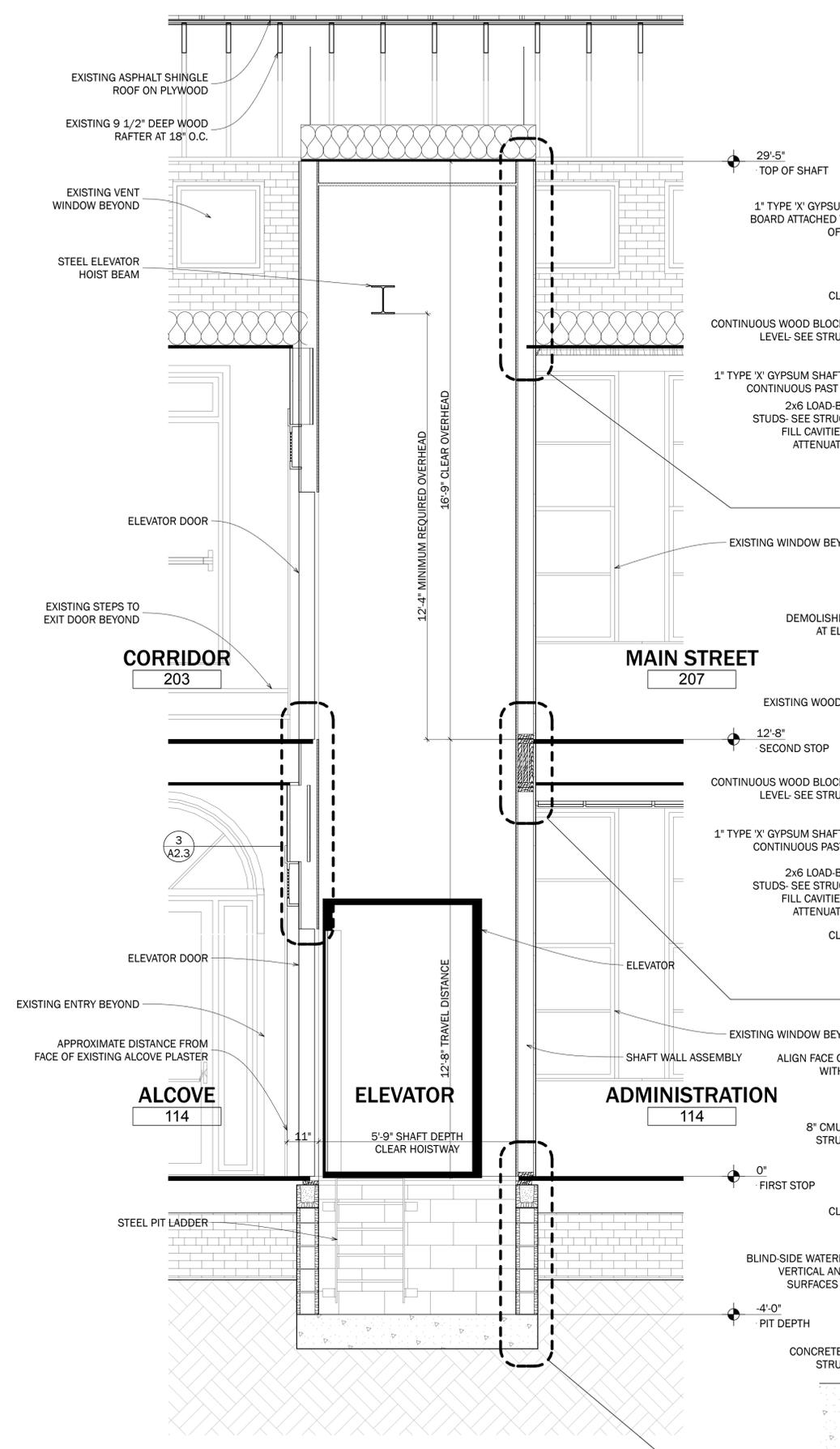
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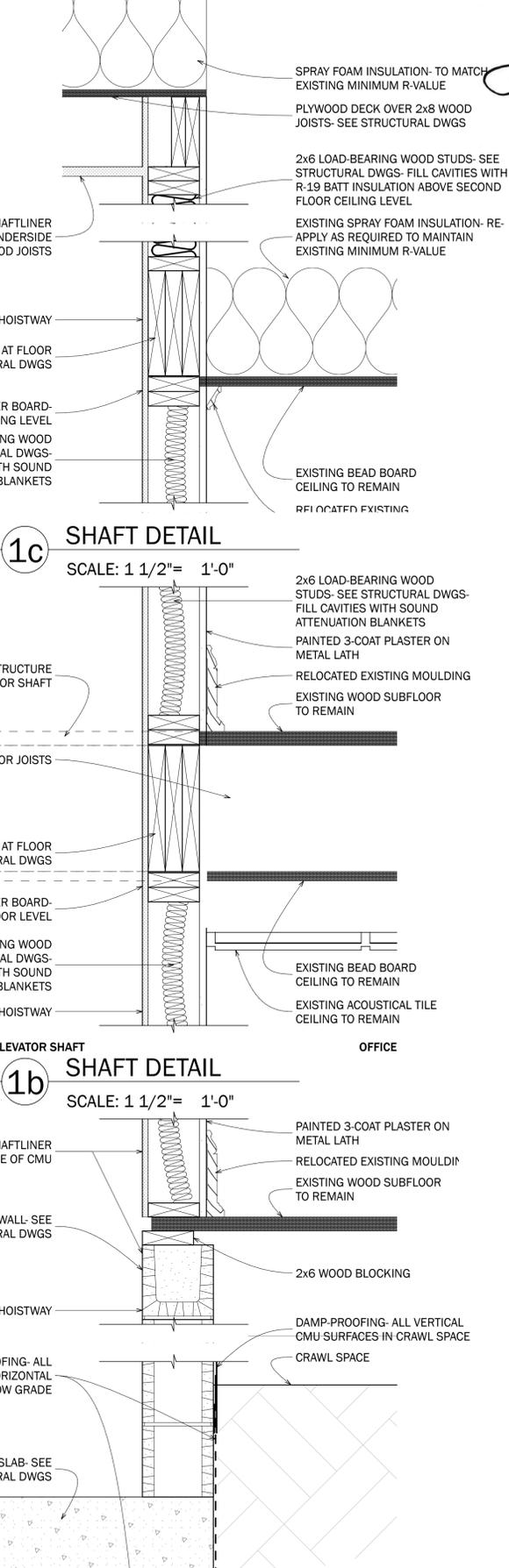
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2 ELEVATOR SECTION
SCALE: 1/2" = 1'-0"



1 ELEVATOR SECTION
SCALE: 1/2" = 1'-0"



1c SHAFT DETAIL
SCALE: 1 1/2" = 1'-0"

1b SHAFT DETAIL
SCALE: 1 1/2" = 1'-0"

1a PIT DETAIL
SCALE: 1 1/2" = 1'-0"

A5.1

ELEVATOR SPECIFICATIONS

PART 1 - GENERAL INFORMATION

- A. SUBMIT THE FOLLOWING INFORMATION FOR APPROVAL: PRODUCT DATA; SHOP DRAWINGS INCLUDING PLANS, ELEVATIONS, SECTIONS, AND LARGE-SCALE DETAILS INDICATING SERVICE AT EACH LANDING, MACHINE ROOM LAYOUT, COORDINATION WITH BUILDING STRUCTURE, RELATIONSHIPS WITH OTHER CONSTRUCTION, AND LOCATIONS OF EQUIPMENT; MAXIMUM DYNAMIC AND STATIC LOADS IMPOSED ON BUILDING STRUCTURE AT POINTS OF SUPPORT; MAXIMUM AND AVERAGE POWER DEMANDS; SAMPLES FOR VERIFICATION; INSTALLER QUALIFICATION DATA; SAMPLE WARRANTY; OPERATION AND MAINTENANCE DATA; INSPECTION AND ACCEPTANCE CERTIFICATES AND OPERATING PERMITS AS REQUIRED BY AUTHORITIES HAVING JURISDICTION FOR NORMAL, UNRESTRICTED ELEVATOR USE; AND CONTINUING MAINTENANCE PROPOSAL.
- B. INSTALLER QUALIFICATIONS: ELEVATOR MANUFACTURER OR AN AUTHORIZED REPRESENTATIVE WHO IS TRAINED AND APPROVED BY MANUFACTURER.
- C. COORDINATE INSTALLATION OF SLEEVES, BLOCK OUTS, ELEVATOR EQUIPMENT WITH INTEGRAL ANCHORS, AND OTHER ITEMS THAT ARE EMBEDDED IN CONCRETE OR MASONRY FOR ELEVATOR EQUIPMENT. FURNISH TEMPLATES, SLEEVES, ELEVATOR EQUIPMENT WITH INTEGRAL ANCHORS, AND INSTALLATION INSTRUCTIONS AND DELIVER TO PROJECT SITE IN TIME FOR INSTALLATION.
- D. COORDINATE LOCATIONS AND DIMENSIONS OF OTHER WORK RELATING TO HYDRAULIC ELEVATORS INCLUDING PIT LADDERS; PUMPS AND FLOOR DRAINS IN PITS; ENTRANCE SUBSILLS; ELECTRICAL SERVICE; AND ELECTRICAL OUTLETS, LIGHTS, AND SWITCHES IN HOISTWAYS, PITS, AND MACHINE ROOMS.
- E. MANUFACTURER'S SPECIAL WARRANTY: MANUFACTURER AGREES TO REPAIR, RESTORE, OR REPLACE ELEVATOR WORK THAT FAILS IN MATERIALS OR WORKMANSHIP WITHIN ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, OPERATION OR CONTROL SYSTEM FAILURE, INCLUDING EXCESSIVE MALFUNCTIONS; PERFORMANCES BELOW SPECIFIED RATINGS; EXCESSIVE WEAR; UNUSUAL DETERIORATION OR AGING OF MATERIALS OR FINISHES; UNSAFE CONDITIONS; NEED FOR EXCESSIVE MAINTENANCE; ABNORMAL NOISE OR VIBRATION; AND SIMILAR UNUSUAL, UNEXPECTED, AND UNSATISFACTORY CONDITIONS.
- F. REGULATORY REQUIREMENTS: COMPLY WITH ASME A17.1/CSA B44.
- G. ACCESSIBILITY REQUIREMENTS: COMPLY WITH SECTION 407 IN THE U.S. ARCHITECTURAL & TRANSPORTATION BARRIERS COMPLIANCE BOARD'S ADA-ABA ACCESSIBILITY GUIDELINES AND WITH ICC A117.1.

PART 2 - PRODUCTS

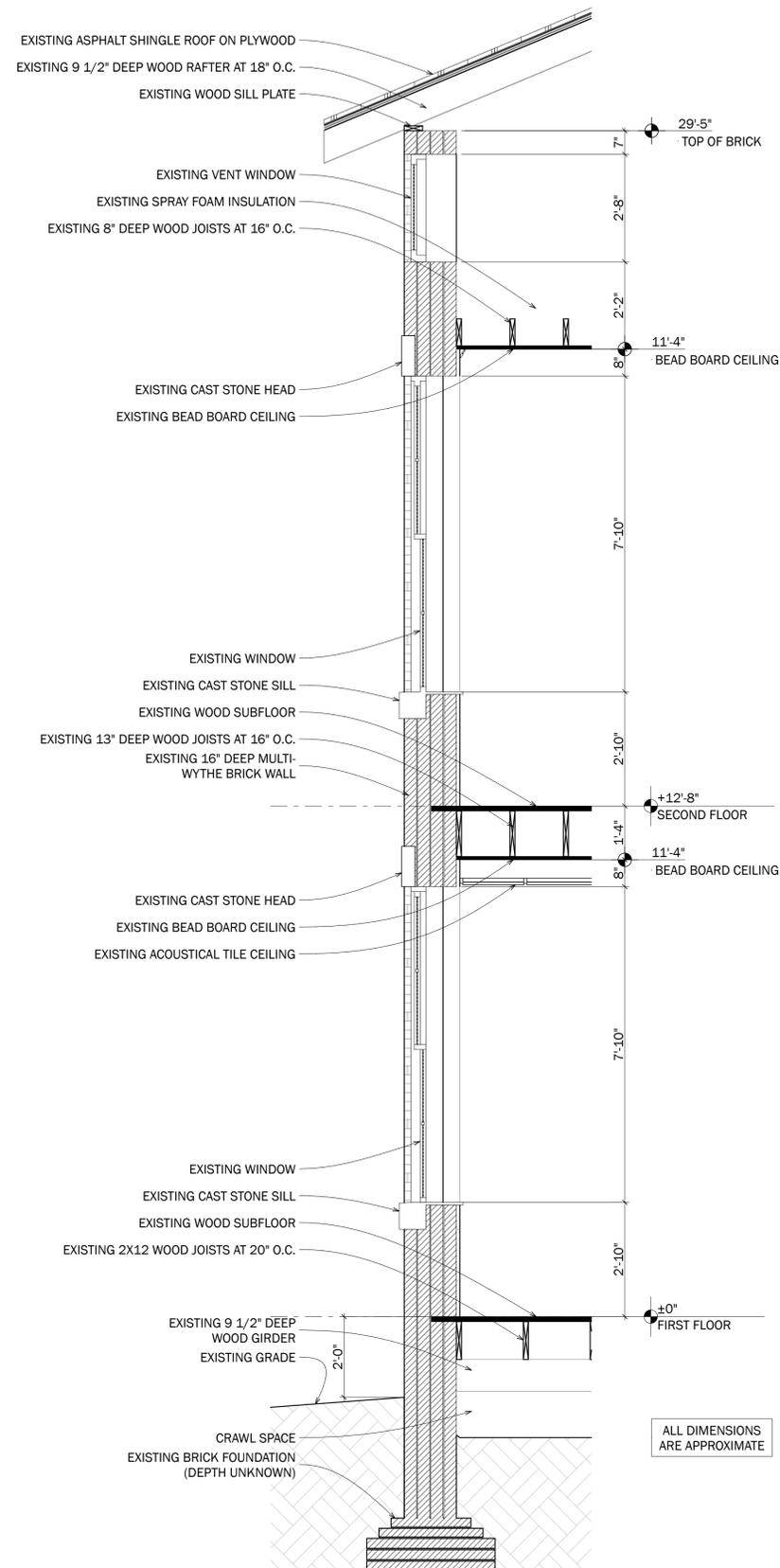
- A. BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THYSSENKRUPP ELEVATOR; ENDURA, OR COMPARABLE PRODUCT BY ONE OF THE FOLLOWING: KONE INC.; OTIS ELEVATOR CO.
- B. ELEVATOR SYSTEM, GENERAL: MANUFACTURER'S STANDARD ELEVATOR SYSTEMS. UNLESS OTHERWISE INDICATED, MANUFACTURERS' STANDARD COMPONENTS SHALL BE USED, AS INCLUDED IN STANDARD ELEVATOR SYSTEMS AND AS REQUIRED FOR COMPLETE SYSTEM.
- C. ELEVATOR DESCRIPTION:
 - 1. TYPE: HOLELESS, BESIDE-THE-CAR, SINGLE-ACTING, DUAL CYLINDER.
 - 2. RATED LOAD: 2500 LB (1135 KG).
 - 3. RATED SPEED: 125 FPM (0.64 M/S).
 - 4. OPERATION SYSTEM: SINGLE AUTOMATIC.
 - 5. CAR ENCLOSURES:
 - a. GENERAL: PROVIDE STEEL-FRAMED CAR ENCLOSURES WITH NONREMOVABLE WALL PANELS, WITH CAR ROOF, ACCESS DOORS, POWER DOOR OPERATORS, AND VENTILATION.
 - 1) PROVIDE STANDARD RAILINGS COMPLYING WITH ASME A17.1/CSA B44 ON CAR TOPS WHERE REQUIRED BY ASME A17.1/CSA B44.
 - b. DIMENSIONS:
 - 1) INSIDE WIDTH: 68 INCHES (1727 MM) FROM SIDE WALL TO SIDE WALL.
 - 2) INSIDE DEPTH: 51 INCHES (1295 MM) FROM BACK WALL TO FRONT WALL (RETURN PANELS).
 - 3) INSIDE HEIGHT: 88 INCHES (2235 MM) TO UNDERSIDE OF CEILING.
 - c. FRONT WALLS (RETURN PANELS): SATIN STAINLESS STEEL, NO. 4 FINISH WITH INTEGRAL CAR DOOR FRAMES.
 - d. CAR FIXTURES: SATIN STAINLESS STEEL, NO. 4 FINISH.
 - e. SIDE AND REAR WALL PANELS: PLASTIC LAMINATE ADHESIVELY APPLIED TO 1/2-INCH (13-MM) FIRE-RETARDANT-TREATED PARTICLEBOARD WITH MANUFACTURER'S STANDARD PROTECTIVE EDGE TRIM. PANELS HAVE A FLAME-SPREAD INDEX OF 25 OR LESS, WHEN TESTED ACCORDING TO ASTM E 84. PLASTIC-LAMINATE COLOR, TEXTURE, AND PATTERN AS SELECTED BY ARCHITECT FROM ELEVATOR MANUFACTURER'S FULL RANGE.
 - f. REVEALS: SATIN STAINLESS STEEL, NO. 4 FINISH.
 - g. DOOR FACES (INTERIOR): SATIN STAINLESS STEEL, NO. 4 FINISH.
 - h. DOOR SILLS: ALUMINUM, MILL FINISH.
 - i. DOORS: FLUSH, HOLLOW-METAL CONSTRUCTION; FABRICATED FROM STAINLESS-STEEL SHEET OR BY LAMINATING STAINLESS-STEEL SHEET TO EXPOSED FACES AND EDGES OF ENAMELED COLD-ROLLED STEEL DOORS USING ADHESIVE THAT FULLY BONDS METAL TO METAL WITHOUT TELEGRAPHING OR OIL-CANNING.
 - j. CEILING: SUSPENDED TYPE, LUMINOUS CEILING MOUNTED IN METAL FRAME.
 - 1) FRAME COLOR: BLACK.
 - k. HANDRAILS: 1-1/2 INCHES (38 MM) ROUND SATIN STAINLESS STEEL, NO. 4 FINISH, AT REAR OF CAR.
 - l. SUBFLOOR: EXTERIOR, UNDERLAYMENT GRADE PLYWOOD, NOT LESS THAN 5/8-INCH (15.9-MM) NOMINAL THICKNESS.
 - m. FLOOR FINISH: RESILIENT FLOORING XYZ.

- 6. HOISTWAY ENTRANCES:
 - a. WIDTH: 36 INCHES (914 MM).
 - b. HEIGHT: 84 INCHES (2134 MM).
 - c. TYPE: SINGLE-SPEED SIDE SLIDING.
 - d. FRAMES: SATIN STAINLESS STEEL, NO. 4 FINISH.
 - e. DOORS: SATIN STAINLESS STEEL, NO. 4 FINISH.
 - f. SILLS: ALUMINUM, MILL FINISH.
- 7. HALL FIXTURES: SATIN STAINLESS STEEL, NO. 4 FINISH.
- 8. ADDITIONAL REQUIREMENTS:
 - a. PROVIDE INSPECTION CERTIFICATE IN EACH CAR, MOUNTED UNDER ACRYLIC COVER WITH FRAME MADE FROM SATIN STAINLESS STEEL, NO. 4 FINISH.
 - b. PROVIDE HOOKS FOR PROTECTIVE PADS IN ALL CARS AND ONE COMPLETE SET(S) OF FULL-HEIGHT PROTECTIVE PADS.
- D. PUMP UNITS: POSITIVE-DISPLACEMENT TYPE WITH A MAXIMUM OF 10 PERCENT VARIATION BETWEEN NO LOAD AND FULL LOAD AND WITH MINIMUM PULSATIONS.
 - 1. PUMP SHALL BE SUBMERSIBLE TYPE WITH SUBMERSIBLE SQUIRREL-CAGE INDUCTION MOTOR, AND SHALL BE SUSPENDED INSIDE OIL TANK FROM VIBRATION ISOLATION MOUNTS OR SHALL BE TANK-TOP-MOUNTED TYPE WITH FAN-COOLED, SQUIRREL-CAGE INDUCTION MOTOR, AND SHALL BE MOUNTED ON OIL TANK WITH VIBRATION ISOLATION MOUNTS AND ENCLOSED IN PRIME-PAINTED STEEL ENCLOSURE LINED WITH 1-INCH (25-MM) THICK, GLASS-FIBER INSULATION BOARD.
 - 2. MOTOR SHALL HAVE SOLID-STATE STARTING.
 - 3. MOTOR SHALL HAVE VARIABLE-VOLTAGE, VARIABLE-FREQUENCY CONTROL.
- E. HYDRAULIC SILENCERS: SYSTEM SHALL HAVE HYDRAULIC SILENCER CONTAINING PULSATION-ABSORBING MATERIAL IN BLOWOUT-PROOF HOUSING AT PUMP UNIT.
- F. PIPING: SIZE, TYPE, AND WEIGHT OF PIPING AS RECOMMENDED BY ELEVATOR MANUFACTURER, WITH FLEXIBLE CONNECTORS TO MINIMIZE SOUND AND VIBRATION TRANSMISSIONS FROM POWER UNIT.
 - 1. CYLINDER UNITS SHALL BE CONNECTED WITH DIELECTRIC COUPLINGS.
 - 2. CASING FOR UNDERGROUND PIPING: SCHEDULE 40 PVC PIPE COMPLYING WITH ASTM D 1785, JOINED WITH PVC FITTINGS COMPLYING WITH ASTM D 2466 AND SOLVENT CEMENT COMPLYING WITH ASTM D 2564.
- G. HYDRAULIC FLUID: ELEVATOR MANUFACTURER'S STANDARD FIRE-RESISTANT FLUID WITH ADDITIVES AS NEEDED TO PREVENT OXIDATION OF FLUID, CORROSION OF CYLINDER AND OTHER COMPONENTS, AND OTHER ADVERSE EFFECTS.
- H. INSERTS: FURNISH REQUIRED INSERTS AND SIMILAR ANCHORAGE DEVICES FOR INSTALLING GUIDE RAILS, MACHINERY, AND OTHER COMPONENTS OF ELEVATOR WORK. DEVICE INSTALLATION IS SPECIFIED IN ANOTHER SECTION.
- I. CAR FRAME AND PLATFORM: WELDED OR BOLTED STEEL UNITS.
- J. GUIDES: ROLLER GUIDES: POLYMER-COATED, NONLUBRICATED SLIDING GUIDES; OR SLIDING GUIDES WITH GUIDE-RAIL LUBRICATORS. PROVIDE GUIDES AT TOP AND BOTTOM OF CAR AND COUNTERWEIGHT FRAMES.
- K. GENERAL: PROVIDE MANUFACTURER'S STANDARD MICROPROCESSOR OPERATION SYSTEM AS REQUIRED TO PROVIDE TYPE OF OPERATION INDICATED.
- L. DOOR REOPENING DEVICES
 - 1. INFRARED ARRAY: PROVIDE DOOR-REOPENING DEVICE WITH UNIFORM ARRAY OF 150 OR MORE MICROPROCESSOR-CONTROLLED, INFRARED LIGHT BEAMS PROJECTING ACROSS CAR ENTRANCE. INTERRUPTION OF ONE OR MORE LIGHT BEAMS SHALL CAUSE DOORS TO STOP AND REOPEN.
 - 2. NUDGING FEATURE: AFTER CAR DOORS ARE PREVENTED FROM CLOSING FOR PREDETERMINED ADJUSTABLE TIME, THROUGH ACTIVATING DOOR REOPENING DEVICE, A LOUD BUZZER SHALL SOUND AND DOORS SHALL BEGIN TO CLOSE AT REDUCED KINETIC ENERGY.
 - 3. NO UN-NECESSARY DOOR OPERATION: THE CAR DOOR SHALL OPEN ONLY IF THE CAR IS STOPPING FOR A CAR OR HALL CALL, ANSWERING A CAR OR HALL CALL AT THE PRESENT POSITION OR SELECTED AS A DISPATCH CAR.
- M. HOISTWAY ENTRANCE ASSEMBLIES: MANUFACTURER'S STANDARD HORIZONTAL-SLIDING, DOOR-AND-FRAME HOISTWAY ENTRANCES COMPLETE WITH TRACK SYSTEMS, HARDWARE, SILLS, AND ACCESSORIES. FRAME SIZE AND PROFILE SHALL ACCOMMODATE HOISTWAY WALL CONSTRUCTION.
 - 1. WHERE GYPSUM BOARD OR PLASTER WALL CONSTRUCTION IS INDICATED, FRAMES SHALL BE SELF-SUPPORTING WITH REINFORCED HEAD SECTIONS.
 - 2. DOOR AND FRAME ASSEMBLIES SHALL COMPLY WITH NFPA 80 AND BE LISTED AND LABELED BY A TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION BASED ON TESTING AT AS CLOSE-TO-NEUTRAL PRESSURE AS POSSIBLE ACCORDING TO NFPA 252 OR UL 10B.
 - a. FIRE-PROTECTION RATING: 1 HOUR.
- N. MATERIALS AND FABRICATION: MANUFACTURER'S STANDARDS, BUT NOT LESS THAN THE FOLLOWING:
 - 1. STEEL SUBFRAMES: FORMED FROM COLD- OR HOT-ROLLED STEEL SHEET, WITH FACTORY-APPLIED ENAMEL FINISH OR RUST-RESISTANT PRIMER. FABRICATE TO RECEIVE APPLIED FINISH AS INDICATED.
 - 2. STAINLESS-STEEL FRAMES: FORMED FROM STAINLESS-STEEL SHEET.
 - 3. STAINLESS-STEEL DOORS: FLUSH, HOLLOW-METAL CONSTRUCTION; FABRICATED FROM STAINLESS-STEEL SHEET OR BY LAMINATING STAINLESS-STEEL SHEET TO EXPOSED FACES AND EDGES OF ENAMELED COLD-ROLLED STEEL DOORS USING ADHESIVE THAT FULLY BONDS METAL TO METAL WITHOUT TELEGRAPHING OR OIL-CANNING.
 - 4. SIGHT GUARDS: PROVIDE SIGHT GUARDS ON DOORS MATCHING DOOR EDGES.
 - 5. SILLS: EXTRUDED METAL, WITH GROOVED SURFACE, 1/4 INCH (6.4 MM) THICK.
 - 6. NONSHRINK, NONMETALLIC GROUT: FACTORY-PACKAGED, NONSTAINING, NONCORROSIVE, NONGASEOUS GROUT COMPLYING WITH ASTM C 1107/C 1107M.

- O. PROVIDE HALL-CALL AND CAR-CALL BUTTONS THAT LIGHT WHEN ACTIVATED AND REMAIN LIT UNTIL CALL HAS BEEN FULFILLED. FABRICATE LIGHTED ELEMENTS WITH LEDS.
 - 1. CAR-CONTROL STATIONS: PROVIDE MANUFACTURER'S STANDARD RECESSED OR SEMIRECESSED CAR-CONTROL STATIONS. MOUNT IN RETURN PANEL ADJACENT TO CAR DOOR UNLESS OTHERWISE INDICATED. MARK BUTTONS AND SWITCHES FOR REQUIRED USE OR FUNCTION. MARK BOTH TACTILE SYMBOLS AND BRAILLE.
 - 2. EMERGENCY COMMUNICATION SYSTEM: TWO-WAY VOICE COMMUNICATION SYSTEM, WITH VISIBLE SIGNAL, WHICH DIALS PREPROGRAMMED NUMBER OF MONITORING STATION AND DOES NOT REQUIRE HANDSET USE. SYSTEM IS CONTAINED IN FLUSH-MOUNTED CABINET, WITH IDENTIFICATION, INSTRUCTIONS FOR USE, AND BATTERY BACKUP POWER SUPPLY.
 - 3. CAR POSITION INDICATOR: PROVIDE DIGITAL-TYPE CAR POSITION INDICATOR, LOCATED ABOVE CAR DOOR OR ABOVE CAR-CONTROL STATION. ALSO, PROVIDE AUDIBLE SIGNAL TO INDICATE TO PASSENGERS THAT CAR IS EITHER STOPPING AT OR PASSING EACH OF THE FLOORS SERVED. INCLUDE TRAVEL DIRECTION ARROWS IF NOT PROVIDED IN CAR-CONTROL STATION.
 - 4. HALL PUSH-BUTTON STATIONS: PROVIDE MANUFACTURER'S STANDARD WALL-MOUNTED HALL PUSH-BUTTON STATION AT EACH LANDING. EQUIP UNITS WITH BUTTONS FOR CALLING ELEVATOR AND FOR INDICATING APPLICABLE DIRECTION OF TRAVEL.
- P. HALL ANNUNCIATOR: WITH EACH HALL LANTERN, PROVIDE AUDIBLE SIGNALS INDICATING CAR ARRIVAL AND DIRECTION OF TRAVEL. SIGNALS SOUND ONCE FOR UP AND TWICE FOR DOWN.
- Q. FINISH MATERIALS
 - 1. COLD-ROLLED STEEL SHEET: ASTM A 1008/A 1008M, COMMERCIAL STEEL, TYPE B, EXPOSED, MATTE FINISH.
 - 2. HOT-ROLLED STEEL SHEET: ASTM A 1011/A 1011M, COMMERCIAL STEEL, TYPE B, PICKLED.
 - 3. STAINLESS-STEEL SHEET: ASTM A 240/A 240M, TYPE 304.
 - 4. ALUMINUM EXTRUSIONS: ASTM B 221 (ASTM B 221M), ALLOY 6063.
 - 5. PLASTIC LAMINATE: HIGH-PRESSURE TYPE COMPLYING WITH NEMA LD 3, TYPE HGP FOR POSTFORMED APPLICATIONS.

PART 3 - EXECUTION

- A. EXAMINE ELEVATOR AREAS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK. VERIFY CRITICAL DIMENSIONS AND EXAMINE SUPPORTING STRUCTURE AND OTHER CONDITIONS UNDER WHICH ELEVATOR WORK IS TO BE INSTALLED. PREPARE WRITTEN REPORT, ENDORSED BY INSTALLER, LISTING CONDITIONS DETRIMENTAL TO PERFORMANCE OF THE WORK. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
- B. INSTALL CYLINDER PLUMB AND ACCURATELY CENTERED FOR ELEVATOR CAR POSITION AND TRAVEL. ANCHOR SECURELY IN PLACE, SUPPORTED AT PIT FLOOR AND BRACED AT INTERVALS AS NEEDED TO MAINTAIN ALIGNMENT. ANCHOR CYLINDER GUIDES AT SPACING NEEDED TO MAINTAIN ALIGNMENT AND AVOID OVERSTRESSING GUIDES.
- C. PROVIDE WELDED CONNECTIONS FOR INSTALLING ELEVATOR WORK WHERE BOLTED CONNECTIONS ARE NOT REQUIRED FOR SUBSEQUENT REMOVAL OR FOR NORMAL OPERATION, ADJUSTMENT, INSPECTION, MAINTENANCE, AND REPLACEMENT OF WORN PARTS. COMPLY WITH AWS WORKMANSHIP AND WELDING OPERATOR QUALIFICATION STANDARDS.
- D. MOUNT ROTATING AND VIBRATING EQUIPMENT ON VIBRATION-ISOLATING MOUNTS TO MINIMIZE VIBRATION TRANSMISSION TO STRUCTURE AND STRUCTURE-BORNE NOISE DUE TO ELEVATOR SYSTEM.
- E. INSTALL PIPING ABOVE THE FLOOR, WHERE POSSIBLE. INSTALL UNDERGROUND PIPING IN CASING.
- F. LUBRICATE OPERATING PARTS OF SYSTEMS AS RECOMMENDED BY MANUFACTURERS.
- G. COORDINATE INSTALLATION OF HOISTWAY ENTRANCES WITH INSTALLATION OF ELEVATOR GUIDE RAILS FOR ACCURATE ALIGNMENT OF ENTRANCES WITH CAR. WHERE POSSIBLE, DELAY INSTALLATION OF SILLS AND FRAMES UNTIL CAR IS OPERABLE IN SHAFT. REDUCE CLEARANCES TO MINIMUM, SAFE, WORKABLE DIMENSION AT EACH LANDING.
- H. LEVELING TOLERANCE: 1/4 INCH (6 MM), UP OR DOWN, REGARDLESS OF LOAD AND TRAVEL DIRECTION.
- I. SET SILLS FLUSH WITH FINISHED FLOOR SURFACE AT LANDING. FILL SPACE UNDER SILL SOLIDLY WITH NONSHRINK, NONMETALLIC GROUT.
- J. ENGAGE A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO TRAIN OWNER'S MAINTENANCE PERSONNEL TO OPERATE AND ADJUST ELEVATOR(S). CHECK OPERATION OF ELEVATOR WITH OWNER'S PERSONNEL PRESENT BEFORE DATE OF SUBSTANTIAL COMPLETION. DETERMINE THAT OPERATION SYSTEMS AND DEVICES ARE FUNCTIONING PROPERLY.
- K. INITIAL MAINTENANCE SERVICE: BEGINNING AT SUBSTANTIAL COMPLETION, MAINTENANCE SERVICE SHALL INCLUDE THREE MONTHS' FULL MAINTENANCE BY SKILLED EMPLOYEES OF ELEVATOR INSTALLER. INCLUDE MONTHLY PREVENTIVE MAINTENANCE, REPAIR OR REPLACEMENT OF WORN OR DEFECTIVE COMPONENTS, LUBRICATION, CLEANING, AND ADJUSTING AS REQUIRED FOR PROPER ELEVATOR OPERATION. PARTS AND SUPPLIES SHALL BE MANUFACTURER'S AUTHORIZED REPLACEMENT PARTS AND SUPPLIES.
 - 1. PERFORM MAINTENANCE DURING NORMAL WORKING HOURS.
 - 2. PERFORM EMERGENCY CALLBACK SERVICE DURING NORMAL WORKING HOURS WITH RESPONSE TIME OF TWO HOURS OR LESS.



1 EXISTING WALL SECTION
SCALE: 1/2" = 1'-0"



RICHARD WITTSCHIEBE HAND

15 Simpson Street
Atlanta, Georgia 30308
P 404.688.2200
F 404.688.2400
www.rwdesign.com

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RENOVATIONS TO
LOCUST GROVE CITY HALL
 3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS

WALL SECTIONS & DETAILS

JOB NUMBER
201214

DATE
04/08/13

SHEET NUMBER

A5.2

STRUCTURAL NOTES

A. GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (INCLUDING FIELD VERIFICATIONS OF EXISTING CONDITIONS AND DIMENSIONS) BEFORE STARTING WORK OR FABRICATING ANY REINFORCING STEEL OR STRUCTURAL STEEL. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES FOUND.
2. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF WALL, ROOF AND FLOOR OPENINGS, SLEEVES AND CONCRETE PADS UNDER EQUIPMENT. THE CONTRACTOR SHALL VERIFY EXACT SIZE AND LOCATION WITH THE EQUIPMENT FURNISHED.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTION.

B. FOUNDATIONS

1. A FOUNDATION INVESTIGATION HAS NOT BEEN MADE. ALLOWABLE BEARING PRESSURES NOTED BELOW ARE ASSUMED.
2. ALLOWABLE SOIL PRESSURE:
SPREAD FOOTINGS 2500 PSF (DL + LL)
CONTINUOUS FOOTINGS 2500 PSF (DL + LL)
3. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING NECESSARY TO LATERALLY SUPPORT ALL BASEMENT AND FOUNDATION WALLS.
4. ALL FOOTING EXCAVATIONS SHALL BE INSPECTED BY AN INDEPENDENT TESTING AGENCY PRIOR TO CONSTRUCTION OF THE FOOTINGS.

C. REINFORCED CONCRETE

1. ALL STRUCTURAL CONCRETE SHALL BE NORMAL WEIGHT (UNLESS OTHERWISE NOTED) WITH A SPECIFIED COMPRESSIVE STRENGTH AS FOLLOWS:

LOCATION	F _c
FOUNDATIONS, GRADE BEAMS	3,000 PSI
2. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT SHALL CONFORM WITH ACI 318 UNLESS DETAILED OTHERWISE.
3. EXPANSION BOLTS SHALL BE "WEDGE" TYPE (SIMPSON "STRONG BOLT" OR EQUAL), WITH TYPE AND SIZE AS NOTED IN THE DRAWINGS. ANCHORS SHALL BE TESTED IN ACCORDANCE WITH ICC-ES TO MEET THE REQUIREMENTS OF IBC 2006 FOR POST-INSTALLED CONCRETE ANCHORS.
4. DETAILING AND CONSTRUCTION PRACTICES SHOULD CONFORM TO ACI 318 EXCEPT AS MODIFIED BY IBC 2006.

D. CONCRETE REINFORCING

1. ALL REINFORCING STEEL BARS SHALL BE ASTM A615 GRADE 60.
2. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
3. PROVIDE LAP SPLICES IN ACCORDANCE WITH ACI 318, UNLESS NOTED OTHERWISE.
4. CLEARANCES BETWEEN BARS SHALL NOT BE LESS THAN 1 INCH NOR THE NOMINAL BAR DIAMETER. NON-CONTACT LAP SPLICES SHALL HAVE THE ABOVE MINIMUM CLEARANCE BETWEEN THE BARS AND DOWEL.
5. REINFORCING STEEL, BOLTS, AND OTHER INSERTS SHALL BE POSITIVELY SECURED IN PLACE BEFORE POURING CONCRETE. BAR PLACEMENT AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF CRSI.
6. REINFORCEMENT IN WALLS AND COLUMNS SHALL BE DOWELLED INTO SUPPORTING FOOTINGS, BEAMS, COLUMNS OR WALLS WITH BARS OF THE SIZE AND SPACING AS VERTICAL AND HORIZONTAL BARS, UNLESS SHOWN OTHERWISE.
7. ALL CONCRETE SHALL BE CURED FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS IMMEDIATELY AFTER POURING.

E. REINFORCED MASONRY

1. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, WITH A MINIMUM PRISM STRENGTH OF F_m = 1500 PSI.
2. MORTAR SHALL CONFORM TO ASTM C270, TYPE M OR S.
3. GROUT FOR REINFORCED MASONRY SHALL CONFORM TO ASTM C476.
4. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING NECESSARY TO LATERALLY SUPPORT ALL MASONRY WALLS AS REQUIRED.
5. ALL MASONRY WALLS SHALL HAVE A BOND BEAM AT THE TOP OF THE WALL WITH 2 CONTINUOUS NO. 4 BARS, UNLESS DETAILED OTHERWISE.
6. PROVIDE HORIZONTAL JOINT REINFORCING IN ALL WALLS EVERY 16 INCHES IN HEIGHT.
7. REINFORCE ALL WALLS WITH NO. 5 VERTICAL REINFORCING AT 24 INCHES ON CENTER IN GROUTED CELLS, UNLESS NOTED OTHERWISE. LAP ACCORDING TO ACI 318.

F. STRUCTURAL STEEL

1. ALL WIDE-FLANGE STRUCTURAL STEEL SHALL BE A992 (GRADE 50), UNLESS OTHERWISE NOTED.
2. ALL MISCELLANEOUS STEEL SHALL BE A36, UNLESS OTHERWISE NOTED.
3. ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4 INCH DIAMETER A-325N BOLTS (BEARING TYPE CONNECTION) UNLESS OTHERWISE NOTED, AND TIGHTENED BY THE "TURN-OF-NUT" METHOD.
4. ALL ANCHOR BOLTS SHALL BE ASTM F1554, GRADE 36, UNLESS OTHERWISE NOTED.

G. STRUCTURAL WOOD FRAMING NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, PUBLISHED BY THE AMERICAN FOREST AND PAPER ASSOCIATION.
2. LUMBER FOR BEAMS, HEADERS, JOISTS, AND RAFTERS SHALL BE SOUTHERN PINE NO. 2, OR EQUAL, UNLESS OTHERWISE SPECIFIED.
4. LUMBER CONNECTIONS OF STRUCTURAL RAFTER AND BEAM MEMBERS SHALL BE MADE USING METAL JOIST OR BEAM FRAMING CONNECTORS BY SIMPSON STRONG-TIE, OR EQUAL UNLESS SHOWN OTHERWISE. NAILED FASTENERS SHALL CONFORM TO IBC TABLE 2304.9.1 UNO.
6. DO NOT CUT FRAMING MEMBERS FOR PLUMBING, ELECTRICAL, OR MECHANICAL WITHOUT REINFORCING THE MEMBER TO ITS ORIGINAL CAPACITY.
7. LUMBER FOR 2 X 6 STUDS SHALL BE STUD GRADE PINE, OR EQUAL UNLESS NOTED OTHERWISE. ONE ROW (MIN) OF 2X BLOCKING SHALL BE PROVIDED AT ALL WALLS MID-HEIGHT.
8. ALL HEADERS AND BEAMS TO BE SUPPORTED BY BUILT-UP 2 X's OR COLUMNS AS SHOWN ON THE PLANS. SUPPORT SHALL BE CONTINUOUS TO FOUNDATION OR OTHER SUPPORT BELOW.
9. ALL LUMBER IN CONNECTION WITH CONCRETE SHALL BE PRESSURE TREATED.

H. DESIGN CRITERIA

1. LIVE LOADS

- 50 PSF OFFICES & SUPPORT SPACES
- 80 PSF CORRIDORS
- 100 PSF ELEVATOR LOBBY
- 20 PSF ROOF

LIVE LOAD REDUCTIONS APPLIED AS PER IBC

2. GROUND SNOW LOAD

P_g = 5 psf

3. INTERIOR WALLS

5 PSF - IN THE ABSENCE OF ANY WIND LOAD EFFECTS.

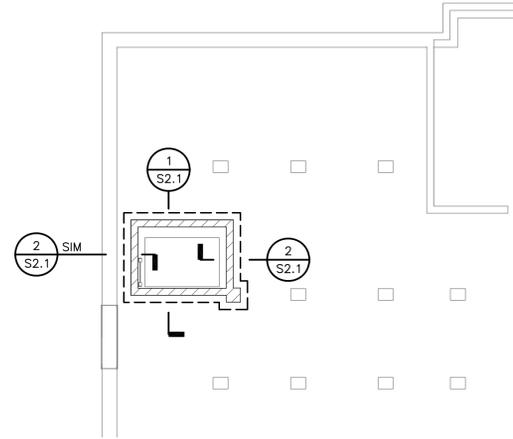
4. WIND LOADS. APPLIED IN ACCORDANCE WITH IBC 2006.

V(3s) = 90 mph
I_w = 1.00
EXPOSURE B

5. SEISMIC LOADS. APPLIED IN ACCORDANCE WITH IBC 2006.

J. BASIS FOR DESIGN

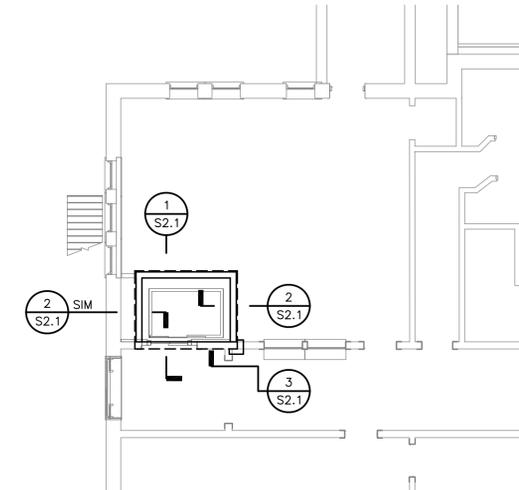
1. SBCCI STANDARD BUILDING CODE (INTERNATIONAL BUILDING CODE), 2006 EDITION, WITH GEORGIA STATE AMMENDMENTS 2007 & 2009.
2. ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
3. AISC 13TH EDITION ? SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (ASD).



PARTIAL BASEMENT PLAN

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

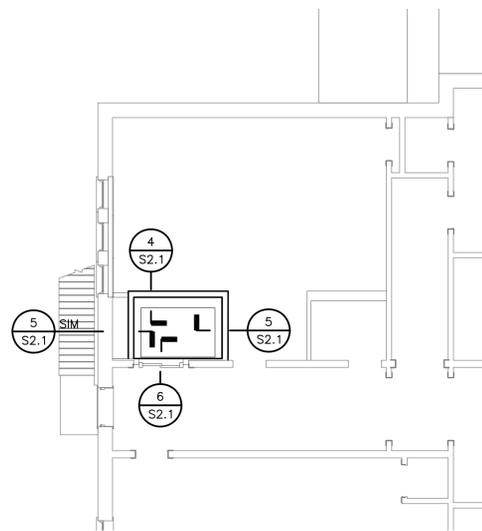
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S1.1



PARTIAL 1st FLOOR PLAN

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

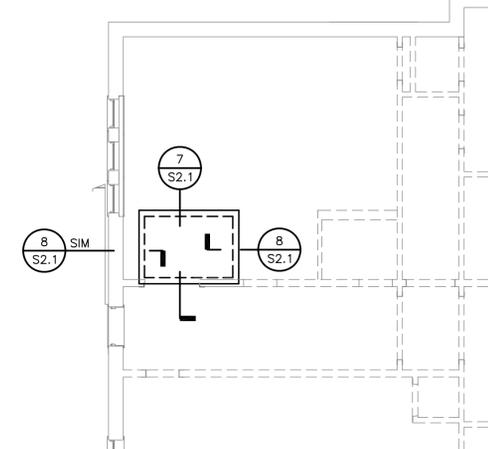
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S1.1



PARTIAL 2nd FLOOR PLAN

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

3
S1.1



PARTIAL ATTIC FLOOR PLAN

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

4
S1.1



RICHARD
WITTSCHIEBE
HAND

8 Georgia Street
Atlanta, Georgia 30309
P 404.525.0000
F 404.525.0000
www.rwt.com



110 Lowridge Court
Duluth, GA 30097
office: 770-751-9491
fax: 770-751-9936
quinnstruct@bellsouth.net

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RENOVATIONS TO
LOCUST GROVE CITY HALL
3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS

NO.	DATE	DESCRIPTION

PARTIAL
PLANS

JOB NUMBER
201214

DATE
04.08.13

SHEET NUMBER

S1.1



RICHARD WITTSCHIEDE ARCHITECTS HAND

1800 Peachtree Street
Atlanta, Georgia 30309
Phone: 770-751-9491
Fax: 770-751-9936
www.rwa.com



110 Lowridge Court
Duluth, GA 30097
office: 770-751-9491
fax: 770-751-9936
quinnstruct@bellsouth.net

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3644 GA 42 LOCUST GROVE, GEORGIA 30248

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DATE	DESCRIPTION

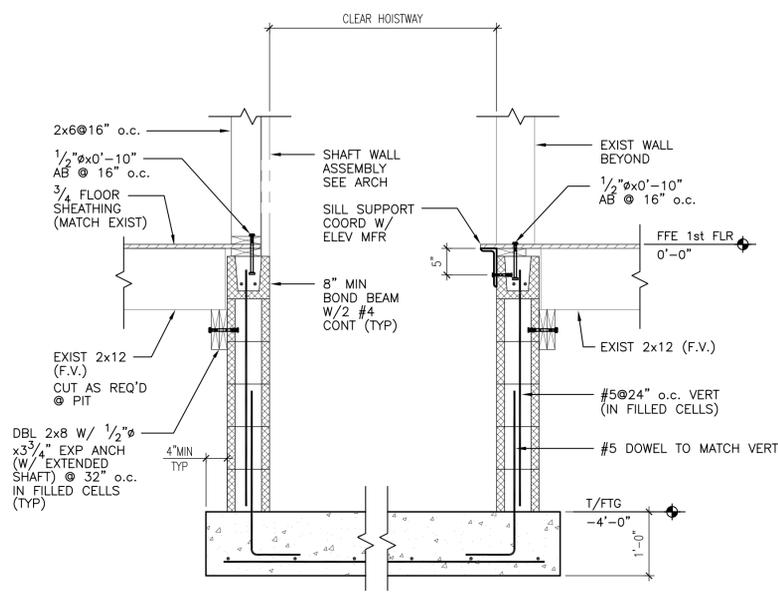
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JOB NUMBER
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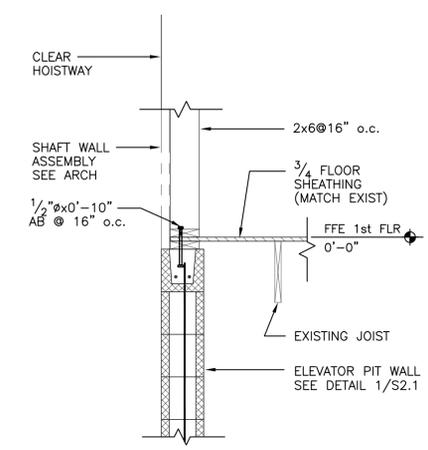
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SHEET NUMBER

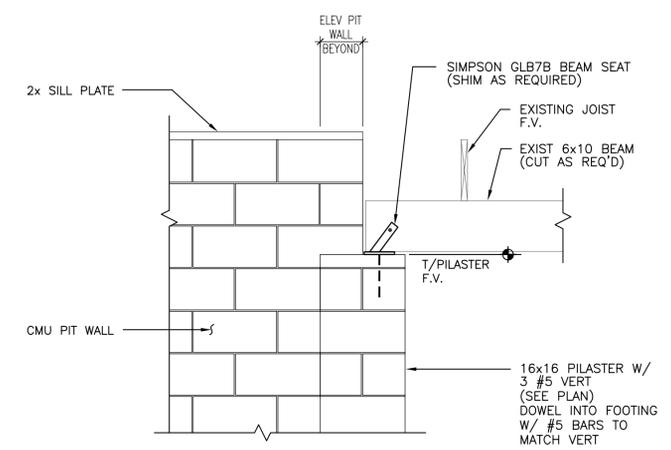
S2.1



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

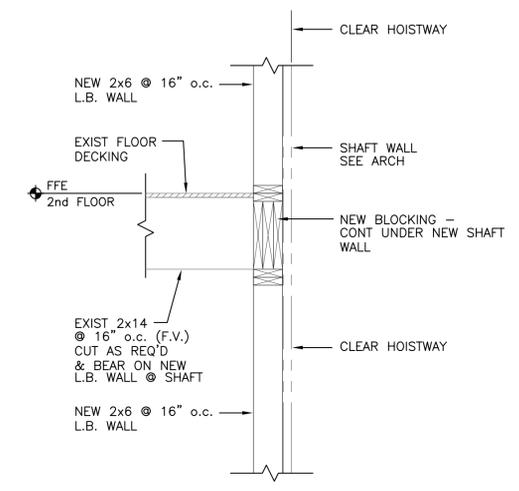


SECTION 2
SCALE: 3/4" = 1'-0"
S2.1

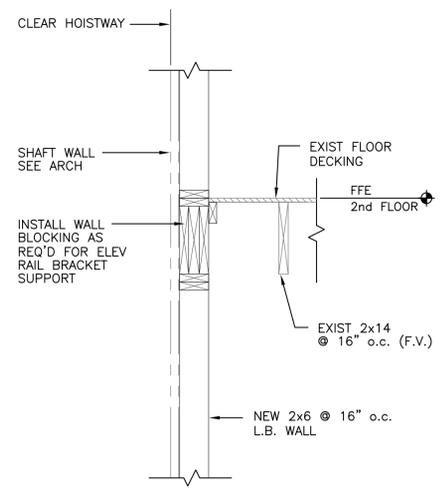


NOTE: FLOOR SHEATHING NOT SHOWN FOR CLARITY

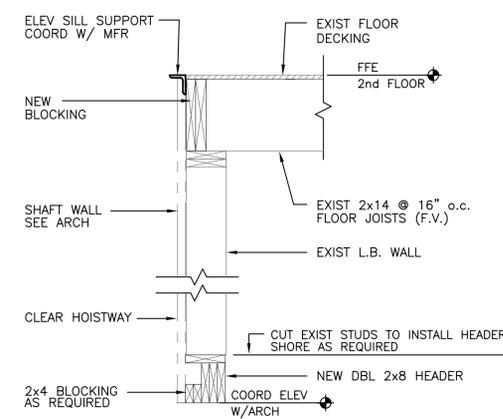
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SCALE: 3/4" = 1'-0"
S2.1



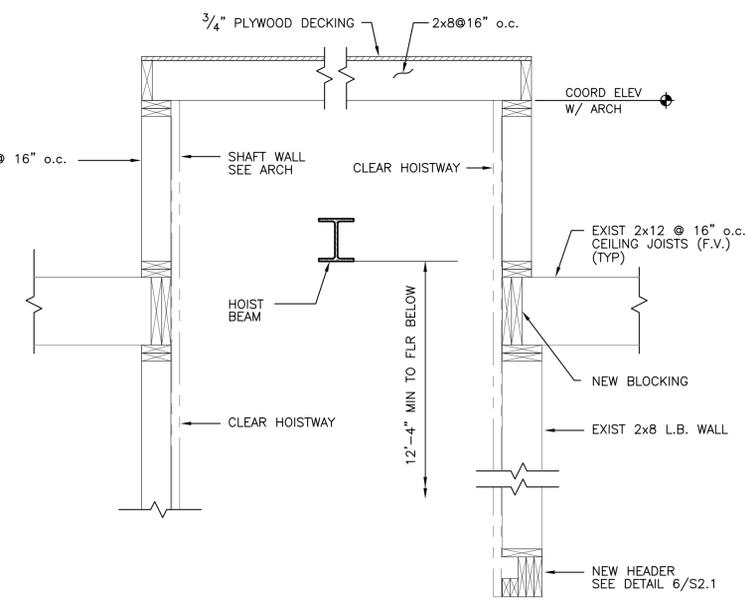
SECTION 4
SCALE: 3/4" = 1'-0"
S2.1



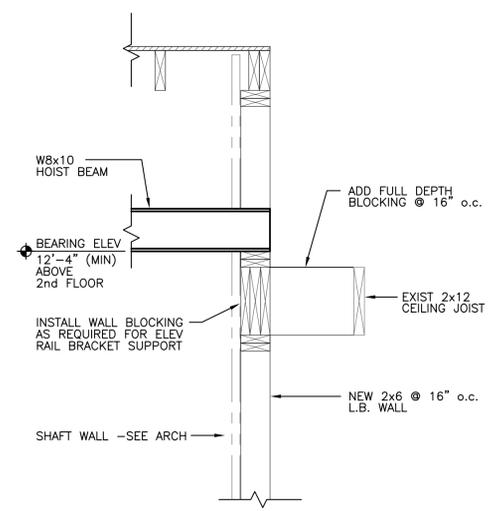
SECTION 5
SCALE: 3/4" = 1'-0"
S2.1



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



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



NOTE: SEE DETAIL 7/S2.1 FOR INFO NOT SHOWN

SECTION 8
SCALE: 3/4" = 1'-0"
S2.1

MECHANICAL ABBREVIATIONS

ABBREVIATION/DEFINITION		ABBREVIATION/DEFINITION	
A/C	ABOVE CEILING	IN. WC	INCHES WATER COLUMN
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE (°F)
AHU	AIR HANDLING UNIT	MBH	1000 BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE	MD	MANUAL DAMPER
CHP	CHILLED WATER PUMP	MOD	MOTOR OPERATED DAMPER
CHR	CHILLED WATER RETURN	MU	MAKE-UP WATER
CHS	CHILLED WATER SUPPLY	OA	OUTSIDE AIR
C.T.E.	CONNECT TO EXISTING	PD	PRESSURE DROP
CWP	CONDENSER WATER PUMP	PRV	PRESSURE REDUCING VALVE
D	CONDENSATE DRAIN	RA	RETURN AIR
DB	DRY BULB TEMPERATURE (°F)	RH	ROOF HOOD
EAT	ENTERING AIR TEMPERATURE (°F)	SB	SECURITY BARS
EF	EXHAUST FAN	SMD	SMOKE DAMPER
ESP	EXTERNAL STATIC PRESSURE	SPS	DUCT MOUNTED STATIC PRESSURE SENSOR
FD	FIRE DAMPER	SPD	SPLITTER DAMPER
HP	HEAT PUMP	VFD	VARIABLE FREQUENCY DRIVE
HWC	HOT WATER COIL	WB	WET BULB TEMPERATURE (°F)
HWP	HOT WATER PUMP	WL	WALL LOUVER
HWR	HOT WATER RETURN	W.O.	WALL OPENING
HWS	HOT WATER SUPPLY		

NOTE: THESE ARE STANDARD ABBREVIATIONS, ALL ABBREVIATIONS SHOWN ABOVE MAY NOT APPEAR ON DRAWINGS.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CEILING		THERMOSTAT OR TEMPERATURE SENSOR
	DUCT		HUMIDISTAT OR HUMIDITY SENSOR
	EXISTING		WALL MOUNTED SWITCH
	PIPING		FLEXIBLE DUCTWORK
	EQUIPMENT DESIGNATION		MANUAL DAMPER
	AIR DISTRIBUTION TAG A. TYPE B. SIZE C. CFM		FIRE DAMPER
	DUCT SIZE - RECTANGULAR (INCHES)		DUCT WITH LINER
	DUCT SIZE - ROUND (INCHES)		DUCT TRANSITION
	DIFFUSER		SQUARE TO ROUND DUCT TRANSITION
	RETURN AIR DISTRIBUTION DEVICE		DUCT MOUNTED STATIC PRESSURE SENSOR
	EXHAUST AIR DISTRIBUTION DEVICE		DUCT MOUNTED SMOKE DETECTOR
	DUCTWORK (POSITIVE PRESSURE)		WALL OPENING
	DUCTWORK (NEGATIVE PRESSURE)		SECURITY BARS
	CONNECT TO EXISTING		WALL LOUVER
	DUCTWORK - EXISTING TO REMAIN		SMOKE DAMPER
			MOTOR OPERATED DAMPER
			SPLITTER DAMPER
			SUPPLY AIR ARROW
			RETURN AIR ARROW
			REMOVE EXISTING DUCTWORK

NOTE: THIS IS A STANDARD LEGEND. ALL ITEMS SHOWN MAY NOT APPEAR ON DRAWINGS.

SPECIFICATIONS

- REFER TO OTHER DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR APPLICABLE PROVISIONS THEREIN.
- FURNISH AND INSTALL NECESSARY LABOR AND MATERIALS FOR A COMPLETE SYSTEM. ANY APPLIANCES OR MATERIALS OBVIOUSLY A PART OF THE SYSTEM AND NECESSARY FOR ITS PROPER OPERATION, ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN, SHALL BE FURNISHED AND INSTALLED AS IF CALLED FOR IN DETAIL.
- WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING STATE AND LOCAL CODES:
THE INTERNATIONAL BUILDING CODE, 2006 EDITION WITH GEORGIA AMENDMENTS
THE INTERNATIONAL MECHANICAL CODE, 2006 EDITION WITH GEORGIA AMENDMENTS
- OBTAIN AND PAY FOR REQUIRED PERMITS AND FEES.
- DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EVERY FITTING AND DETAIL. INSTALL DUCTS, EQUIPMENT AND CONTROLS IN A NEAT WORKMANLIKE MANNER, AND IN ACCORDANCE WITH GOOD PRACTICE FOR A COMPLETE WORKABLE INSTALLATION. AVOID CONFLICT WITH OTHER WORK; MAKE ADEQUATE PROVISIONS FOR PREVENTING NOISE AND VIBRATION. ARRANGE EQUIPMENT INTO THE AVAILABLE SPACE IN A MANNER TO MAKE WORKING PARTS ACCESSIBLE FOR MAINTENANCE AND SERVICE.
- MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED AGAINST DEFECTS FOR ONE YEAR. PROVIDE ADDITIONAL FOUR-YEAR WARRANTY ON COMPRESSORS.
- PROTECT MATERIALS AND EQUIPMENT FROM DAMAGE DURING CONSTRUCTION.
- EQUIPMENT AND MATERIALS SHALL BE NEW, UNLESS OTHERWISE SPECIFIED.
- CONSTRUCT AIR DUCTS IN ACCORDANCE WITH SMACNA DUCT MANUALS LATEST EDITION. DUCTWORK MATERIALS SHALL BE GALVANIZED SHEET METAL AS MADE BY ARMCO OR EQUAL.
- ELECTRICAL - DISCONNECTS AND/OR BREAKERS, POWER WIRING THRU MOTOR CONTROL DEVICES TO MOTORS OR TO JUNCTION BOXES OF FACTORY WIRED EQUIPMENT ARE PROVIDED UNDER THE ELECTRICAL DIVISION OF WORK. MECHANICAL WORK SHALL INCLUDE CONTROL AND INTERLOCK WIRING REQUIRED FOR PROPER OPERATION OF THE SYSTEM, AND SHALL INCLUDE FURNISHING OF MAGNETIC STARTERS OR CONTACTORS WHERE REQUIRED.
- COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE ORDERING.
- COMPLETION AND TESTS SHALL INCLUDE CLEANING AND LUBRICATION OF EQUIPMENT, AND ADJUSTMENTS FOR PROPER OPERATION. ADJUST DAMPERS, REGISTERS AND DIFFUSERS FOR PROPER AIR DISTRIBUTION. CHECK SYSTEM UNDER ACTUAL OPERATING CONDITIONS AND MAKE ADJUSTMENTS FOR A UNIFORM TEMPERATURE THROUGH THE CONDITIONED SPACE.
- LOCATIONS SHOWN FOR EQUIPMENT ARE APPROXIMATE LOCATIONS. CONTRACTOR SHALL COORDINATE WITH THE FIELD CONDITIONS FOR THE EXACT LOCATION AND CONFIGURATION, AND MODIFY DUCT SYSTEM ACCORDINGLY.
- CONTRACTOR SHALL FIELD VERIFY AVAILABLE SPACE FOR DUCTWORK BEFORE FABRICATING. CONTRACTOR SHALL MODIFY DUCTWORK TO FIT AVAILABLE FIELD CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.
- FURNISH TO THE OWNER ONE COPY OF OPERATING INSTRUCTIONS, MANUFACTURER'S PARTS DATA AND SERVICE INSTRUCTIONS.
- PRIOR TO INSTALLATION AND ORDERING, SUBMIT FOR REVIEW FIVE COPIES OF SHOP DRAWINGS ON EQUIPMENT, AIR DISTRIBUTION DEVICES, AND CONTROLS.
- INTERRUPTION OF SERVICE: THE DRAWINGS ARE BELIEVED TO BE A FAIRLY ACCURATE REPRESENTATION OF THE EXISTING WORK. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ON SITE INVESTIGATIONS TO DETERMINE THE ACCURACY OF THE EXISTING CONDITION DRAWINGS. NO ATTEMPT HAS BEEN MADE TO SHOW ON THE DRAWINGS MECHANICAL WORK WHICH IS NOT CONSIDERED TO BE RELEVANT TO THIS PROJECT. IN PERFORMANCE OF THE WORK, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EXISTING CONDITIONS AND THE EFFECT THAT THE WORK SHOWN ON THE DRAWINGS WILL HAVE ON THE EXISTING SERVICES. SHOULD THE ACTUAL CONDITIONS BE DIFFERENT FROM THOSE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER FOR FURTHER INSTRUCTIONS PRIOR TO THE DISRUPTION OF THE EXISTING SERVICES.
- EQUIPMENT SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

GENERAL NOTES

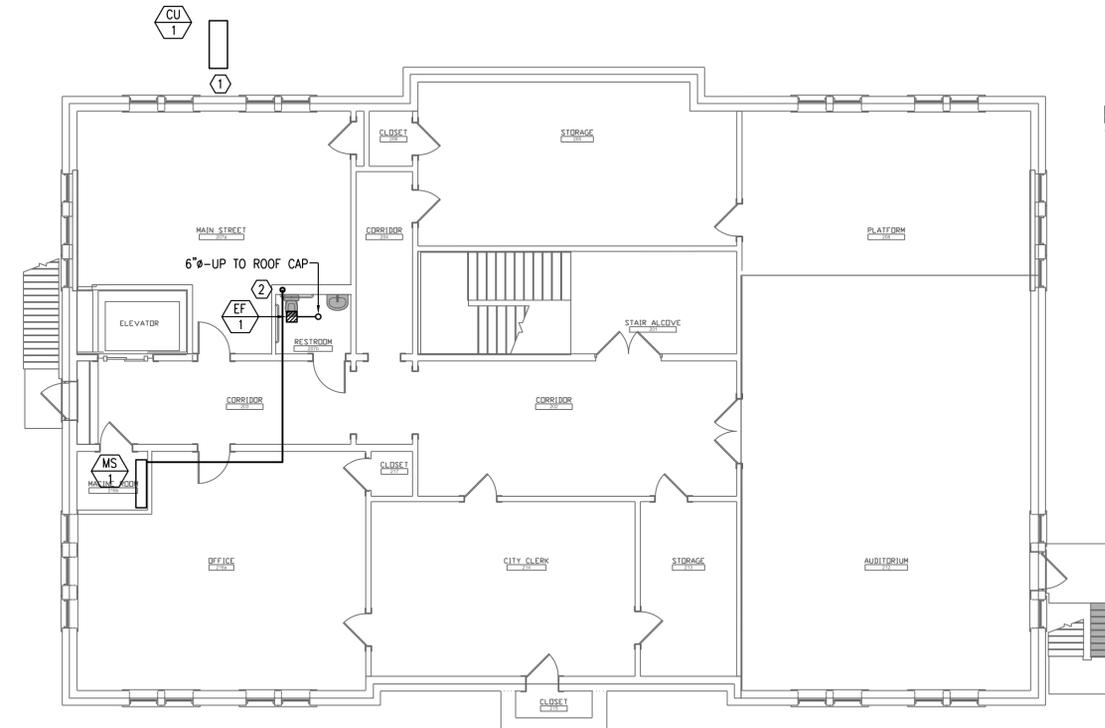
- COORDINATE WORK WITH OTHER TRADES PRIOR TO INSTALLATION.
- DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.

FANS								
MARK	TYPE	CFM	ESP (IN WC)	MOTOR (WATTS)	DRIVE	SONES	BASIS OF DESIGN	REMARKS
EF-1	CEILING CENTRIFUGAL	75	0.125	64	DIRECT	1.1	LOREN COOK GC-124	INTERLOCK WITH LIGHT

DUCTLESS SPLIT SYSTEM					
MARK	AIR UNIT	COOLING CYCLE			REMARKS
		CFM	TOTAL (BTU/HR)	AMBIENT TEMP (°F)	
MS-1/CLU-1	233	9,500	95	13	1

REMARKS

- BASIS OF DESIGN: MITSUBISHI MS-A09WA (INDOOR UNIT) AND MU-A09WA (OUTDOOR UNIT)



KEY NOTES

- LOCATE CONDENSING UNIT ON 6" CONCRETE PAD ON GRADE.
- ROUTE REFRIGERANT AND DRAIN LINES FROM INDOOR UNIT TO OUTDOOR UNIT. ROUTE PIPING DROPS THROUGH FIRST FLOOR WITH PLUMBING LINES TO CRAWL SPACE THEN OUT THRU THE EXTERIOR WALL.

1 SECOND FLOOR PLAN - MECHANICAL
Scale: 1/8" = 1'-0"



RICHARD
WITTSCHIEBE
HAND

15 Simpson Street
Atlanta, Georgia 30308
V 404.888.2200
F 404.888.2400
www.rwt.com



1708 Peachtree St.
Suite 210
Atlanta, GA 30309
404/355-9334 main
404/835-1118 fax

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RENOVATIONS TO
LOCUST GROVE CITY HALL
3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS

NO.	DESCRIPTION

MECHANICAL SPECIFICATIONS & SCHEDULES

JOB NUMBER
201214

DATE
04/08/13

SHEET NUMBER

M1.0

PLUMBING ABBREVIATIONS

ABBREVIATION/DEFINITION		ABBREVIATION/DEFINITION	
A/C	ABOVE CEILING	FF	FINISHED FLOOR
AD	AREA DRAIN	G	LOW PRESSURE GAS
AF	ABOVE FINISHED FLOOR	GEN	GENERAL
AFG	ABOVE FINISHED GRADE	HB	HOSE BIBB
AV	ACID VENT	HD	HUB DRAIN (OPEN PIPE HUB)
AW	ACID WASTE	HCWH	HOT & COLD WATER HYDRANT
B/F	BELOW FLOOR	HWR	HOT WATER RETURN
B/G	BELOW GRADE	HW	HOT WATER
BLDG	BUILDING	IW	INDIRECT WASTE
CB	CATCH BASIN	IE	INVERT ELEVATION
CI	CAST IRON	LP	LIQUIFIED PETROLEUM GAS (PROPANE)
CL	CENTER LINE	MPG	MEDIUM PRESSURE GAS
CO	CLEANOUT	NIC	NOT IN CONTRACT
CONT	CONTINUATION	OXY	MEDICAL OXYGEN
CONTR	CONTRACTOR	PLBG	PLUMBING
CW	COLD WATER	PRV	PRESSURE REDUCING VALVE
D	DRAIN	PVC	POLYVINYL CHLORIDE
DN	DOWN	RD	ROOF DRAIN
DT	EMERGENCY ROOF DRAIN TERMINATION (COW'S TONGUE)	SAN	SANITARY
DWCS	DRAWINGS	SD	STORM DRAIN
DWR	CHILLED DRINKING WATER RETURN	SP	SPRINKLER
DWS	CHILLED DRINKING WATER SUPPLY	STR	STRAINER
ERD	EMERGENCY ROOF DRAIN (SECONDARY)	SV	SANITARY VENT
EWC	ELEC. WATER COOLER	SW	SAFE WASTE
FAV	FRESH AIR VENT	TP	TRAP PRIMER
FCO	FLOOR CLEANOUT	VAC	MEDICAL VACUUM
FLR	FLOOR	VTR	VENT THROUGH ROOF
FD	FLOOR DRAIN	W	WASTE
FFE	FINISHED FLOOR ELEVATION	W/	WITH
GCO	GRADE CLEANOUT	WCO	WALL CLEANOUT
SP/FDV	STAND PIPE / FIRE DEPT. VALVE	NFWH	NON-FREEZE WALL HYDRANT

NOTE: THESE ARE STANDARD ABBREVIATIONS, ALL ABBREVIATIONS SHOWN ABOVE MAY NOT APPEAR ON DRAWINGS.

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
— — SS — —	SANITARY SEWER	— —	TRAP
— — GW — —	GREASE WASTE	— —	FLOOR CLEANOUT
— — SD — —	STORM DRAIN	— —	VALVE IN CAST IRON BOX W/ CONC. PAD
— — — —	SANITARY VENT	— —	FLOOR CLEANOUT
— — — —	BELOW GRADE PIPING	— —	FLOOR SINK W/ HALF GRATE
— — — —	ABOVE GRADE PIPING	— —	FLOOR DRAIN W/ FULL GRATE
— — — —	DOMESTIC COLD WATER SUPPLY	— —	FLOOR DRAIN
— — — —	DOMESTIC HOT WATER SUPPLY (110°F)	— —	HUB DRAIN OR OPEN SITE DRAIN
— — — —	DOMESTIC HOT WATER RETURN (110°F)	— —	HOSE BIBB
— — — —	DOMESTIC HOT WATER SUPPLY (140°F)	— —	WALL HYDRANT (NFWH & HCWH)
— — — —	DOMESTIC HOT WATER RETURN (140°F)	— —	FLOW SWITCH
— — — —	DOMESTIC HOT WATER SUPPLY (180°F)	— —	CONCENTRIC REDUCER
— — — —	DOMESTIC HOT WATER RETURN (180°F)	— —	ECCENTRIC REDUCER
— — — —	NATURAL OR LP GAS	— —	STRAINER
— — — —	MEDICAL VACUUM	— —	UNION
— — — —	MEDICAL OXYGEN	— —	CAP ON END OF PIPE
— — — —	RISER DOWN (ELBOW)	— —	BREAK
— — — —	RISER UP (ELBOW)	— —	PLUGGED TEE
— — — —	RISE OR DROP	— —	THERMOMETER
— — — —	BRANCH - BOTTOM CONNECTION	— —	PRESSURE GAUGE WITH GAUGE COCK
— — — —	BRANCH - TOP CONNECTION	— —	FLEXIBLE CONNECTION
— — — —	BRANCH - SIDE CONNECTION	— —	PIPE ANCHOR
— — — —	VALVE IN RISE	— —	CONNECT TO EXISTING
— — — —	ANGLE VALVE	— —	FLOW INDICATOR FOR PORTABLE METER
— — — —	BALANCING VALVE	— —	FLOW - IN DIRECTION OF ARROW
— — — —	STOP VALVE	— —	THERMOSTATIC MIXING VALVE
— — — —	CHECK VALVE	— —	BACKFLOW PREVENTER W/ STRAINER
— — — —	SHUT-OFF VALVE	— —	GAS SHUT-OFF VALVE
— — — —	GLOBE VALVE	— —	GAS REGULATOR
— — — —	MOTOR OPERATED VALVE	— —	FLUSH GRADE CLEANOUT W/CONC. PAD
— — — —	PRESSURE REDUCING VALVE	— —	ROOF DRAIN
— — — —	SOLENOID OPERATED VALVE	— —	SIAMESE FIRE CONNECTION
— — — —	UPRIGHT SPRINKLER	— —	STANDPIPE W/FIRE DEPT. VALVE
— — — —	PENDENT SPRINKLER	— —	METER
— — — —	CONCEALED SPRINKLER	— —	TEMPERATURE & PRESSURE RELIEF VALVE
— — — —	EQUIPEMENT DESIGNATION	— —	PLUMBING RISER DESIGNATION
— — — —	EXISTING PIPING TO REMAIN	— —	REMOVE EXISTING PIPING

NOTE: THIS IS A STANDARD LEGEND. ALL ITEMS SHOWN MAY NOT APPEAR ON DRAWINGS.

PLUMBING SPECIFICATIONS:

GENERAL REQUIREMENTS:

THE PLANS ACCOMPANYING THESE SPECIFICATIONS ARE GENERALLY DIAGRAMMATIC AND DO NOT SHOW ALL DETAILS REQUIRED FOR THE COMPLETE WORK. ESTABLISH DETAILS OF THE WORK AS NECESSARY TO PROVIDE FOR THE COMPLETE INSTALLATION OF SYSTEMS AND MATERIALS.

COORDINATE THE WORK TO AVOID CONFLICTS WITH ITEMS SUCH AS HVAC, BEAMS, FIRE BARRIERS, CEILING DEVICES CEILING TYPES AND HEIGHTS, SLAB OR WALL THICKNESS, CABINET HEIGHTS, OR DOOR SWINGS, DO NOT SCALE THE PLANS FOR DIMENSIONS. VERIFY DIMENSIONS BEFORE STARTING WORK AND REPORT ANY DISCREPANCY OR INTERFERENCE TO THE OWNER FOR CLARIFICATION.

ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES AND AGENCIES:

- THE INTERNATIONAL PLUMBING CODE, 2006 EDITION WITH GEORGIA AMENDMENTS.
- THE INTERNATIONAL FUEL GAS CODE, 2006 EDITION WITH GEORGIA AMENDMENTS.
- THE INTERNATIONAL MECHANICAL CODE, 2006 EDITION WITH GEORGIA AMENDMENTS.
- THE INTERNATIONAL BUILDING CODE, 2006 EDITION WITH GEORGIA AMENDMENTS.
- THE INTERNATIONAL ENERGY CONSERVATION CODE, 2009 EDITION WITH GEORGIA AMENDMENTS.

INSULATION:

UNLESS OTHERWISE SPECIFIED, INDOOR INSULATION, ADHESIVES AND TAPES SHALL HAVE A FLAME SPREAD RATING NO HIGHER THAN 75 AND A SMOKE DEVELOPED RATING NO HIGHER THAN 150. THE OUTSIDE SURFACE OF INSULATION SYSTEMS WHICH ARE LOCATED IN AIR PLENUMS, IN CEILING SPACES, AND IN ATTIC SPACES SHALL HAVE A FLAME SPREAD RATING NO HIGHER THAN 25 AND A SMOKE DEVELOPED RATING NO HIGHER THAN 50. INSULATION SHALL BE CERTAINTED, KNAUF, SCHULLER, OR OWENS-CORNING. INSULATION PROTECTION FOR PIPING EXPOSED TO WEATHER OUTSIDE THE BUILDING SHALL BE CORRUGATED ALUMINUM 0.016" (0.4 MM) THICK FOR STRAIGHT PIPING AND 0.024" (0.9 MM) THICK FOR PIPING FITTINGS.

FIBERGLASS PIPE INSULATION

INSULATION SHALL BE PREFORMED FIBERGLASS, MEETING ASTM C 547, MAXIMUM K-VALUE OF 0.23 BTU/IN PER SQ. FT. PER °F MEAN TEMPERATURE, AND WHITE KRAFT PAPER JACKET WITH SELF-SEALING LONGITUDINAL LAP. INSULATION SHALL INCLUDE VAPOR BARRIER. INSULATE DOMESTIC COLD WATER (1/2" THICK), RAINLEADER CONNECTIONS TO ROOF DRAINS EXPOSED IN FINISHED SPACES (2" THICK), WASTE PIPE RECEIVING CONDENSATE, DOMESTIC HOT WATER (1" THRU 1 1/4" DIA. = 1/2", 2" AND UP = 1 1/2"), AND HOT WATER RETURN (1").

INSULATION INSTALLATION

PIPE INSULATION SHALL BE OMITTED FROM PIPE USED SOLELY FOR FIRE PROTECTION, AIR CHAMBERS, TRAP PRIMERS, UNIONS, STRAINERS, CHECKVALVES, UNDERGROUND DOMESTIC COLD WATER PIPING, VERTICAL PRIONS OF INTERIOR ROOF DRAINS, CHROME PLATED PLUMBING PIPING, AND SANITARY DRAIN LINES. SEAL VAPOR BARRIER JOINTS BREAKS, AND PUNCTURES WITH TAPE.

PIPE AND FITTINGS:

WATER DISTRIBUTION PIPING BELOW GROUND:
 PIPING: SOFT COPPER TUBE, ASTM B 88, TYPE K.
 FITTINGS: CAST COPPER ALLOY, SOLDER JOINT PRESSURE FITTINGS WITH ALLOY SN95 SOLDER, ASME B16.18.

WATER DISTRIBUTION PIPING ABOVE GROUND:

PIPING: HARD COPPER TUBE, ASTM B 88, TYPE L. FITTINGS: WROUGHT-COPPER OR CAST COPPER ALLOY PRESSURE FITTINGS; AND SOLDERD-JOINT WITH ALLOY SN95 SOLDER, ASME B16.22.
 COPPER UNIONS: ASME B16.18, CAST-COPPER-ALLOY BODY, HEXAGONAL STOCK, WITH BALL-AND-SOCKET JOINT, METAL-TO-METAL SEATING SURFACES, AND SOLDER-JOINT, THREADED, OR SOLDER-JOINT AND THREADED ENDS.
 THREADED ENDS: THREADS CONFORMING TO ASME B1.20.1.
 BRONZE FLANGES: ASME B16.24, CLASSES 150 AND 300.

WATER DISTRIBUTION PIPING BELOW THE FLOOR:

PIPING: SOFT DRAWN COPPER TUBING WITH NO JOINTS, ASTM B 88, TYPE L. PROVIDE PROTECTIVE COVERING.

SOIL, WASTE, AND VENT PIPING BELOW GROUND:

PIPING: HUB-AND-SPIGOT CAST-IRON SOIL PIPE, ASTM A 74. FITTINGS: HUB-AND-SPIGOT CAST-IRON SOIL PIPE FITTINGS, ASTM C 564 NEOPRENE RUBBER GASKETS, LUBRICANT, AND COMPRESSION JOINTS, ASTM A 74, SERVICE CLASS.

SOIL, WASTE, AND VENT PIPING ABOVE GROUND:

PIPING: HUBLESS CAST-IRON SOIL PIPE, CISPI 301. FITTINGS: HUBLESS CAST-IRON SOIL PIPE FITTINGS; STAINLESS-STEEL, OR CAST-IRON COUPLINGS FOR HUBLESS CAST-IRON SOIL PIPE AND FITTINGS; AND HUBLESS JOINTS, WITH ASTM C 564 NEOPRENE SEALING SLEEVE, WITH STAINLESS-STEEL CORRUGATED SHIELD-AND-CLAMP ASSEMBLY, CISPI 301. SEALING GASKET: ASTM C 564 NEOPRENE SEALING GASKET, WITH CAST-IRON HOUSING AND STAINLESS STEEL BOLTS.

PLASTIC DRAINAGE PIPE OPTION:

PIPING: POLYVINYL CHLORIDE PLASTIC, DWV PIPE, SCHEDULE 40, PLAIN ENDS, ASTM D 2665.
 FITTINGS: SOCKET-TYPE FITTINGS, DRAIN, WASTE & VENT TYPES, DRAIN PATTERN, ASTM D 2665, MADE TO ASTM D 3311.

VALVES

SHUTOFF DUTY: GLOBE, BALL, PLUG OR BUTTERFLY VALVES.

THROTTLING DUTY: GLOBE, BALL, PLUG OR BUTTERFLY VALVES. PROVIDE RISING STEM OR RISING OUTSIDE SCREW AND YOKE STEMS.

GATE VALVES 2" AND SMALLER: MSS SP-80; CLASS 125, BODY AND BONNET OF ASTM B 62 CAST BRONZE; WITH THREADED OR SOLDER ENDS, SOLID DISC, COPPER-SILICON ALLOY STEM, BRASS PACKING GLAND, "TEFLON" IMPREGNATED PACKING, AND MALLEABLE IRON HANDWHEEL. PROVIDE CLASS 150 VALVES MEETING THE ABOVE WHERE SYSTEM PRESSURE REQUIRES.

BALL VALVES

BALL VALVES, 1 INCH AND SMALLER: RATED FOR 150 PSI SATURATED STEAM PRESSURE, 400 PSI WOG PRESSURE; TWO-PIECE CONSTRUCTION; WITH BRONZE BODY CONFORMING TO ASTM B 62, STANDARD (OR REGULAR) PORT, CHROME-PLATED BRASS BALL, REPLACEABLE "TEFLON" OR "TFE" SEATS AND SEALS, BLOWOUT-PROOF STEM, AND INYL-COVERED STEEL HANDLE. PROVIDE SOLDER ENDS FOR DOMESTIC HOT AND COLD WATER SERVICE; THREADED ENDS FOR HEATING HOT WATER AND LOW-PRESSURE STEAM.

BALL VALVES, 1-1/4" TO 2": RATED FOR 150 PSI SATURATED STEAM PRESSURE, 400 PSI WOG PRESSURE; 3-PIECE CONSTRUCTION; WITH BRONZE BODY CONFORMING TO ASTM B 62, CONVENTIONAL PORT, CHROME-PLATED BRASS BALL, REPLACEABLE "TEFLON" OR "TFE" SEATS AND SEALS, BLOWOUT PROOF STEM, AND VINYL-COVERED STEEL HANDLE. PROVIDE SOLDER ENDS FOR CONDENSER WATER, CHILLED WATER, AND DOMESTIC HOT AND COLD WATER SERVICE; THREADED ENDS FOR HEATING HOT WATER AND LOW-PRESSURE STEAM.

BALL VALVES SHALL BE: CONBRACO, CRANE, GRINNELL, JAMESBURY, JENKINS, LUNKENHEIMER, NIBCO, POWELL, STOCKHAM, OR WATTS.

PLUG VALVES

PLUG VALVES, 2" AND SMALLER: RATED AT 150 PSI WOG; BRONZE BODY, WITH STRAIGHTAWAY PATTERN, SQUARE HEAD, AND THREADED ENDS.

PLUG VALVES, 2-1/2" AND LARGER: MSS SP-78; RATED AT 175 PSI WOG; LUBRICATED PLUG TYPE, WITH SEMISTEEL BODY, SINGLE GLAND, WRENCH OPERATED, AND FLANGED ENDS.

PLUG VALVES SHALL BE: LUNKENHEIMER OR POWELL

SWING CHECK VALVES:

2" AND SMALLER: MSS SP-80; CLASS 125, CAST-BRONZE BODY AND CAP CONFORMING TO ASTM B 62; WITH HORIZONTAL SWING, Y-PATTERN, AND BRONZE DISC; AND HAVING THREADED OR SOLDER ENDS. PROVIDE VALVES CAPABLE OF BEING REGROUND WHILE THE VALVE REMAINS IN THE LINE. PROVIDE CLASS 150 VALVES MEETING THE ABOVE SPECIFICATIONS, WITH THREADED END CONNECTIONS, WHERE SYSTEM PRESSURE REQUIRES OR WHERE CLASS 125 VALVES ARE NOT AVAILABLE.

SWING CHECK VALVES SHALL BE: CRANE, GRINNELL, HAMMOND, JENKINS, LUNKENHEIMER, MILWAUKEE, NIBCO, POWELL, OR STOCKHAM.

PIPING SPECIALTIES

CLEANOUTS: SIZE CLEANOUTS AS INDICATED ON DRAWINGS, OR WHERE NOT INDICATED, SAME SIZE AS CONNECTED DRAINAGE PIPING. CLEANOUTS LARGER THAN 4" ARE NOT REQUIRED EXCEPT WHERE INDICATED. PROVIDE ASME A112.36.2M, CAST-IRON BODY WITH STRAIGHT THREADS AND GASKET SEAL OR TAPER THREADS FOR PLUG, FLASHING FLANGE AND CLAMPING RING, AND A BRASS CLOSURE PLUG. CLEANOUTS FOR INSTALLATION IN FLOORS NOT HAVING MEMBRANE WATERPROOFING MAY BE FURNISHED WITHOUT CLAMPING RING.

FIXTURES

WATER CLOSETS: AS SCHEDULED ON THE DRAWINGS-PROVIDE WITH OPEN FRONT SEAT.

LAVATORIES: AS SCHEDULED ON THE DRAWINGS-PROVIDE WITH PERFORATED GRID DRAIN, P-TRAP, ANGLE SUPPLIES & INSULATION COVERS FOR ADA COMPLIANCE.

WATER HEATERS

ELECTRIC - TANKLESS TYPE; AS SCHEDULED.

PLUMBING GENERAL NOTES:

- COORDINATE WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SCHEDULE IS DIAGRAMMATIC, PROVIDE OFFSETS, ETC., TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC..
- COORDINATE FLOOR PENETRATIONS WITH EXISTING STRUCTURAL CONDITIONS. PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
- RUN VENT PIPING CONCEALED ABOVE CEILINGS OR IN ATTIC SPACES UNLESS NOTED OTHERWISE ON DRAWINGS.
- PIPING SHALL BE SLOPED AS PER THE PLUMBING CODE UNLESS NOTED OTHERWISE ON DRAWINGS.
- CONTRACTOR SHALL EXTEND WATER, AND SANITARY SEWER PIPING TO EXISTING UTILITIES IN THE BUILDING. REFER TO ACTUAL CONDITIONS FOR CONTINUATION & LOCATION OF OUTSIDE UTILITIES.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES. EXACT LOCATION OF FIXTURES MUST BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION. FINAL LOCATION SHALL BE AS DIRECTED BY ARCHITECT.
- DO NOT RUN PLUMBING PIPING THROUGH ELECTRICAL ROOMS OR DIRECTLY ABOVE ELECTRICAL PANELS.
- PLUMBING VENTS EXTENDING THROUGH ROOF SHALL TERMINATE AT 1'-0" ABOVE ROOF AND AT A MINIMUM DISTANCE OF 12'-0" HORIZONTALLY FROM ANY AIR INTAKE OR OPERABLE WINDOW.
- WORK SHALL COMPLY WITH THE GEORGIA STATE ACCESSIBILITY REQUIREMENTS.



RICHARD WITTSCHIEBE
HAND

15 Simpson Street
 Atlanta, Georgia 30308
 V 404.888.2200
 F 404.888.2400
 www.rwtinsgn.com



1708 Peachtree St.
 Suite 210
 Atlanta, GA 30309
 404/355-9334 main
 404/835-1118 fax

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RENOVATIONS TO LOCUST GROVE CITY HALL
 3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS

NO.	DATE	DESCRIPTION

PLUMBING SPECIFICATIONS & SCHEDULES

JOB NUMBER

201214

DATE

04/08/13

SHEET NUMBER

P0.1

WATER HEATER SCHEDULE - ELECTRIC							
MARK	BASIS OF DESIGN	STORAGE CAPACITY (GALS.)	INPUT (KW)	VOLTAGE	PHASE	GPH RECOVERY @60° RISE	ACCESSORIES
WH-1	CHRONOMITE SR20L/208	0	4	208	1	30	---

PLUMBING FIXTURE CONNECTION SCHEDULE								
ITEM	FIXTURE	CW	HW	WATER USAGE	WASTE	MOUNTING HEIGHT	BASIS OF DESIGN	
							TRIM / FAUCET	FIXTURE
P-1	WATER CLOSET - FM, TANK, H/C	1/2"	---	1.28 GPF	3"	RIM AT 17"	---	AMERICAN STANDARD: 2467.100
P-2	LAVATORIES - WH, H/C	1/2"	1/2"	0.5 GPM	1-1/4"	RIM AT 34"	DELTA: 23C354	AMERICAN STANDARD: 0356.015

- WATER CLOSETS: CONTROLS FOR FLUSH VALVES (TANK OR FV) SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 44 INCHES ABOVE THE FLOOR. COORDINATE VALVE HEIGHT WITH GRAB BAR HEIGHT.

PUMP SCHEDULE										
MARK	DUTY	TYPE	FLOW (GPM)	HEAD (FT. H ₂ O)	MOTOR H.P.	VOLTAGE	PHASE	RPM	BASIS OF DESIGN	NOTES
SP-1	SUMP DRAINAGE	SIMPLEX	20	10	1/3	120	1	3450	LIBERTY ELV250	W/ AUTOMATIC CONTROL SYSTEM



RICHARD WITTSCHIEBE
HAND

15 Simpson Street
Atlanta, Georgia 30308
P 404.888.2200
F 404.888.2400
www.rwhdesign.com



1708 Peachtree St.
Suite 210
Atlanta, GA 30309
404/255-0334 main
404/835-1118 fax

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**RENOVATIONS TO
LOCUST GROVE CITY HALL**
3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS	

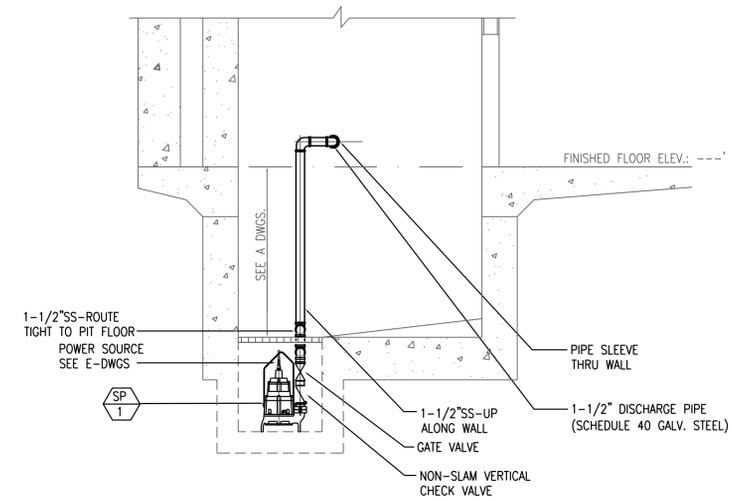
**PLUMBING
BASEMENT &
FIRST FLOOR
PLANS**

JOB NUMBER
201214

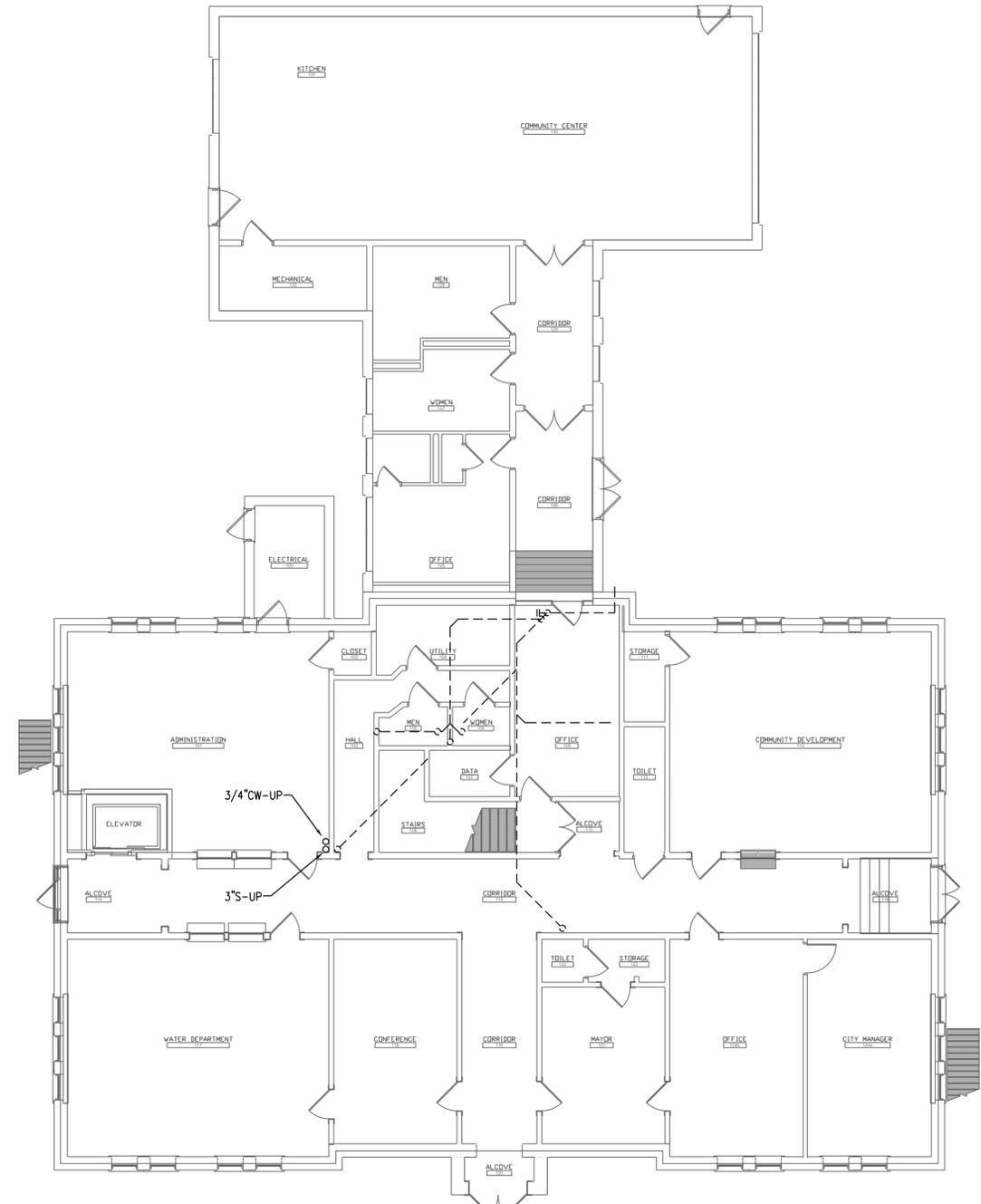
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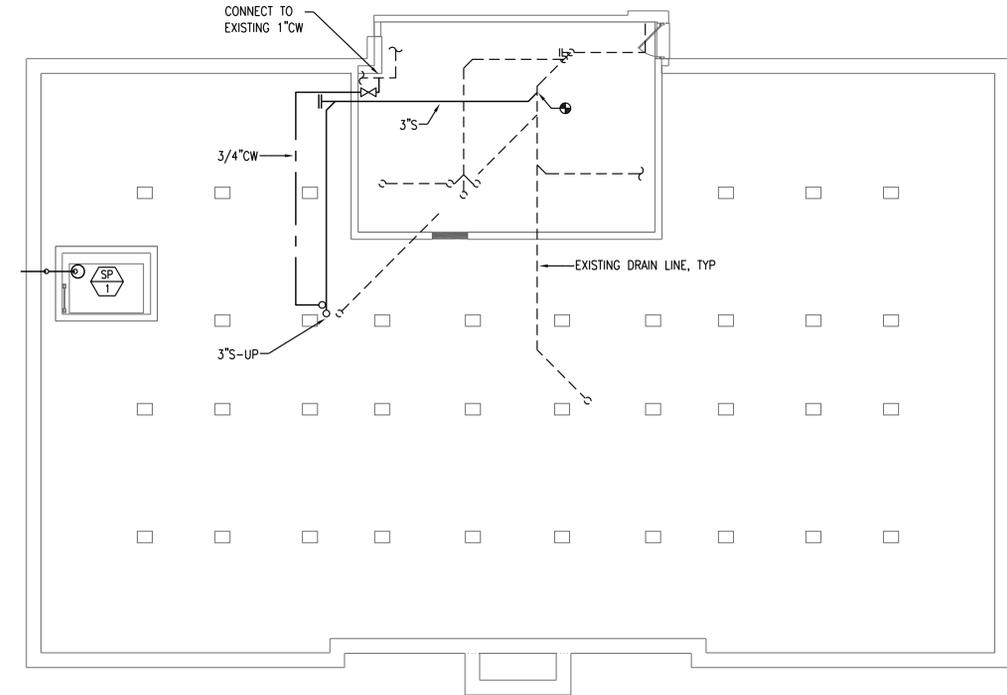
P1.1



3 DETAIL: SUMP PUMP PIPING
Scale: NONE



2 FIRST FLOOR PLAN - PLUMBING
Scale: 1/8" = 1'-0"



1 BASEMENT PLAN - PLUMBING
Scale: 1/8" = 1'-0"



RICHARD
WITTSCHIEBE
HAND

15 Simpson Street
Atlanta, Georgia 30308
V 404.888.2200
F 404.888.2400
www.rwhdesign.com



1708 Peachtree St.
Suite 210
Atlanta, GA 30309
404/355-0334 main
404/835-1118 fax

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LOCUST GROVE CITY HALL
3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS	

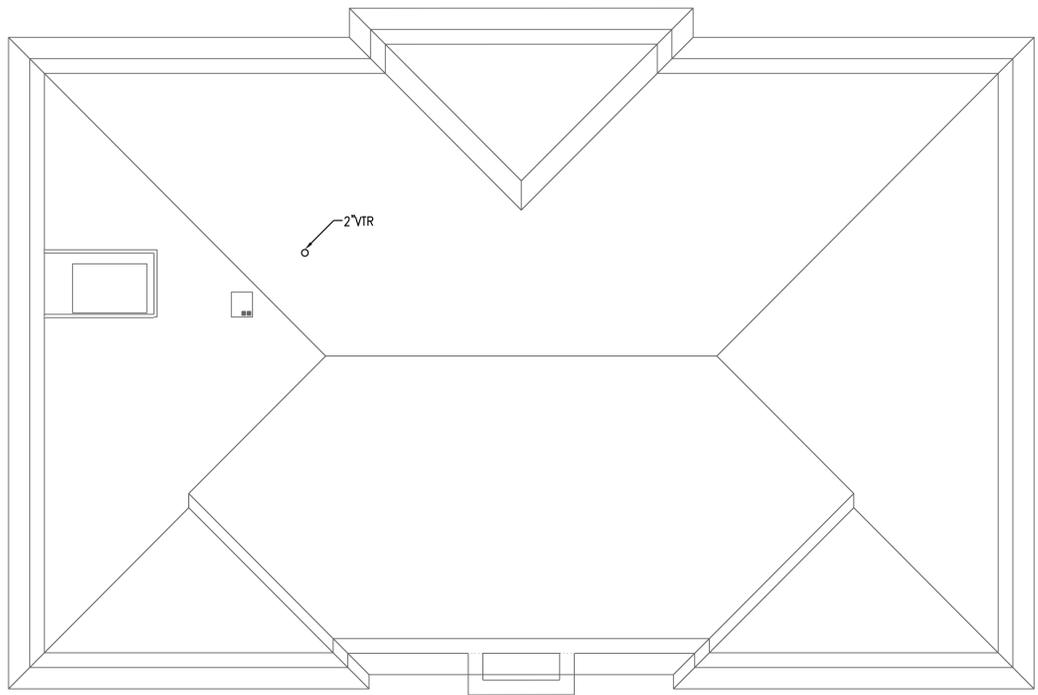
**PLUMBING
SECOND FLOOR
& ROOF PLANS**

JOB NUMBER
201214

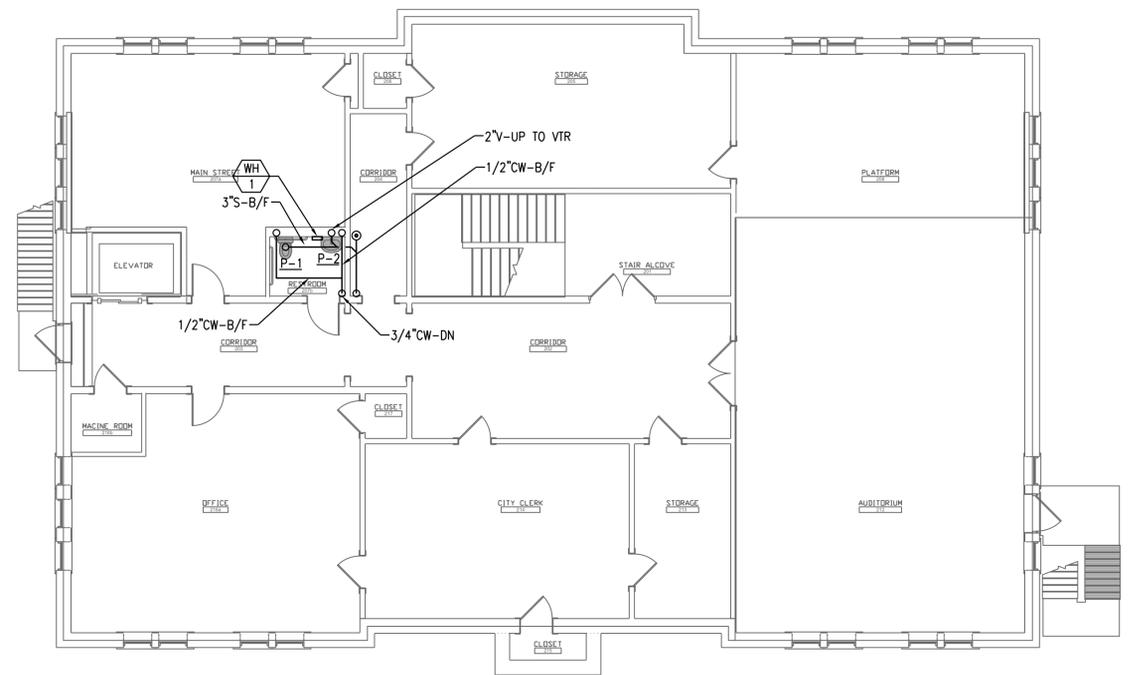
DATE
04/08/13

SHEET NUMBER

P1.2



② ROOF PLAN - PLUMBING
Scale: 1/8" = 1'-0"



① SECOND FLOOR PLAN - PLUMBING
Scale: 1/8" = 1'-0"

ABBREVIATION/DEFINITION		ABBREVIATION/DEFINITION	
A	AMPERE, AMMETER	LV	LOW VOLTAGE
AFF	ABOVE FINISHED FLOOR	MB	MAIN BREAKER
AIC	AMPERE, AMMETER	MCC	MOTOR CONTROL CENTER
C	CONDUIT	MLO	MAIN LUGS ONLY
CU	COPPER	NIC	NOT IN CONTRACT
E	EXISTING	NTS	NOT TO SCALE
EMER	EMERGENCY	OC	OVER COUNTER
G,GND	GROUND	P	POLE, PHASE
GFI	GROUND FAULT INTERRUPTER	P,P.NL	PANELBOARD
HP	HORSEPOWER	R	RELOCATE
HZ	HERTZ	TYP	TYPICAL
IG	ISOLATED GROUND	UG	UNDERGROUND
J	JUNCTION BOX	UNO	UNLESS NOTED OTHERWISE
KVA	KILOVOLT-AMPERES	V	VOLT
KW	KILOWATTS	WP	WEATHERPROOF
LC	LIGHTING CONTACTOR	XFMR	TRANSFORMER
LTG	LIGHTING		

NOTE: THESE ARE STANDARD ABBREVIATIONS, ALL ABBREVIATIONS SHOWN ABOVE MAY NOT APPEAR ON DRAWINGS.

ELECTRICAL LEGEND

	A-1,3,5, ADJACENT TO ARROW INDICATED HOMERUN OF CIRCUITS 1,3,5 TO PANEL A. MARKS ACROSS RACEWAY RUNS INDICATE THE NUMBER OF #12 CONDUCTORS. UNLESS NOTED, NO MARKS INDICATE TWO #12 CONDUCTORS. NUMERAL AND LOWER CASE LETTER INDICATES CIRCUIT CONNECTION AND SWITCH LEG DESIGN RESPECTIVELY. UPPER CASE LETTER INDICATES FIXTURE TYPE.		
INFORMATION NOTES: 1. ALL DIMENSIONS INDICATED IN LEGEND ARE TO BOTTOM OF OUTLET OR EQUIPMENT AND SHALL BE THE DIMENSIONS USED UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE DRAWINGS. 2. ALL SYMBOLS INDICATED IN THIS LEGEND MAY NOT BE USED ON THE PLANS. 3. DEVICE PLATES FOR RECEPTACLES AND SWITCHES SHALL BE SELECTED BY ARCHITECT. 4. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHTING FIXTURES. 5. MOUNTING HEIGHTS FOR LIGHT SWITCHES, RECEPTACLES, FIRE ALARM BREAK-GLASS STATIONS, ETC., AND AUDIO-VISUAL ALARM DEVICES COMPLY WITH A.D.A. DO NOT VARY THESE DIMENSIONS.			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	S SINGLE POLE TOGGLE SWITCH 48" AFF		CEILING OR WALL OUTLET AND FIXTURE
	S ₃ THREE-WAY TOGGLE SWITCH 48" AFF		WITH EMERGENCY BATTERY BALLAST
	S _D SINGLE POLE DIMMER SWITCH 48" AFF		WALL MOUNTED EMERGENCY FIXTURE
	S _M MOTOR RATED SWITCH W/ OVERLOAD PROTECTION		OUTLET AND FLUORESCENT FIXTURE
	S _{OC} WALL MOUNTED OCCUPANCY SWITCH 48" AFF WATTSTOPPER DW-103		CEILING OUTLET AND FLUORESCENT FIXTURE
	Ⓞ _C CEILING MOUNTED OCCUPANCY SWITCH WATTSTOPPER DT-355		WITH EMERGENCY BATTERY BALLAST
	Ⓢ DUPLEX RECEPTACLE 18" AFF (NEMA-5-20R)		CEILING OR WALL MOUNTED EXIT SIGN (ARROWS DENOTE DIRECTION OF EGRESS)
	Ⓢ ₂ DOUBLE DUPLEX RECEPTACLE 18" AFF		CEILING OR WALL MOUNTED JUNCTION BOX
	xx ₂ Ⓢ DUPLEX 20A RECEPTACLE - XX" AFF AS NOTED ON PLANS. "OC" DESIGNATES OUTLETS TO BE INSTALLED ABOVE COUNTER TOPS. INSTALL SUCH DEVICES HORIZONTALLY 4" ABOVE COUNTER TOP TO CENTER OF OUTLET BOX, OR AS INDICATED ON ARCHITECTURAL DRAWINGS.		SPECIAL RECEPTACLE AS NOTED 18" AFF
	Ⓢ _R RECESSED/FLUSH FLOOR BOX WITH DUPLEX REC. (HINGED COVER. BLACK NONMETALIC)		VOICE/DATA OUTLET 18" AFF (*)
	Ⓢ _F FIRE ALARM SYSTEM PULL STATION 48" AFF		TELEPHONE OUTLET 18" AFF (*)
	Ⓢ _S FIRE ALARM SYSTEM STROBE-ONLY SIGNAL (**)		TELEVISION OUTLET 18" AFF (*)
	Ⓢ _H FIRE ALARM SYSTEM HORN/STROBE SIGNAL (**)		FIRE ALARM CONTROL PANEL
	Ⓢ _P PANELBOARD (FLUSH OR SURFACE MOUNTED)		FIRE ALARM ANNUNCIATOR PANEL
	Ⓢ _F FLEXIBLE METALLIC RACEWAY (6" MAXIMUM LENGTH)		WALL/CEILING MOUNTED SMOKE DETECTOR (***)
	Ⓢ _C RACEWAY INSTALLED CONCEALED IN WALLS AND/OR ABOVE CEILING		DUCT MOUNTED SMOKE DETECTOR- COORDINATE WITH MECHANICAL ENGINEER (***)
	Ⓢ _T TERMINATE CONDUIT ABOVE CEILING (PROVIDE INSULATED THROAT BUSHING)		WALL/CEILING MOUNTED HEAT DETECTOR (***)
	* PROVIDE 4"x4" BOX, PLASTER RING, AND CONDUIT FROM OUTLET ABOVE CEILING AREA WITH PULLSTRING WIRE FOR CABLING BY OWNER'S VENDOR.		NON-FUSED DISCONNECT SWITCH (RATING/POLES/ENCLOSURE AS INDICATED)
	** 80" AFF OR 6" BELOW FINISHED CEILING. ALIGN WITH WALL SWITCH WHERE APPLICABLE.		MOTOR
	*** TIE INTO FIRE ALARM PANEL.		

SPECIFICATIONS

GENERAL

ALL ELECTRICAL WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, STATE, AND COUNTY AND CITY ELECTRICAL CODES, AND AUTHORITIES HAVING JURISDICTION.

ALL EQUIPMENT SHALL BE NEW AND U.L. APPROVED.

ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. SIZE AND LOCATION OF EQUIPMENT AND WIRING ARE SHOWING TO SCALE WHERE POSSIBLE, BUT MAY BE DISTORTED FOR CLARITY ON THE DRAWINGS. FINAL LOCATIONS OF OUTLETS AND EQUIPMENT SHALL BE SHOWN IN ENLARGED DETAILS OR AS APPROVED BY THE ARCHITECT OR HIS REPRESENTATIVE. IT IS NOT WITHIN THE SCOPE OF THE DRAWINGS TO SHOW ALL THE NECESSARY BENDS, OFFSETS, PULLBOXES AND OBSTRUCTIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL HIS WORK TO CONFORM TO THE STRUCTURE, MAINTAIN HEAD-ROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE AND SHALL COMPARE THE DRAWINGS WITH EXISTING ELECTRICAL INSTALLATIONS, AND SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS WITHIN THE SCOPE OF HIS WORK. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL HAVE DEEMED TO HAVE MADE SUCH EXAMINATION AND TO HAVE ACCEPTED SUCH CONDITIONS AND TO HAVE MADE ALLOWANCE THEREFORE IN PREPARING HIS BID.

CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH ALL TRADES AND ELECTRICAL REFERENCES ON ARCHITECTURAL DRAWINGS.

VERIFY LOCATIONS OF ALL ELECTRICAL EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND INTERIOR DETAILS AND FINISHES. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS, AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE, AND CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.

FURNISH AND INSTALL WIRING FOR EQUIPMENT FURNISHED BY OTHERS, AS SHOWN ON DRAWINGS. COORDINATE WITH OTHER TRADES OR DETAILS FOR INSTALLATION. THE TERM "WIRING", AS USED HEREIN, INCLUDES FURNISHING AND INSTALLING CONDUIT, WIRE JUNCTION BOXES, DISCONNECTS AND MAKING CONNECTIONS. CHECK ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS FOR EQUIPMENT TO BE INSTALLED BY OTHERS. BE RESPONSIBLE FOR PROPER WIRING AND NECESSARY ELECTRICAL ADJUSTMENTS TO EQUIPMENT TO CONFORM TO SPECIFIED REQUIREMENTS OF THE EQUIPMENT.

SECURE AND PAY ALL PERMITS AND FEES NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK.

THE CONTRACTOR SHALL DO ALL CUTTING AND PATCHING OF THE EXISTING CONSTRUCTION WORK WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF THE ELECTRICAL WORK. ALL PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP, AND FINISH AND SHALL ACCURATELY MATCH ALL SURROUNDING WORK.

AFTER COMPLETION OF WORK UNDER THIS SECTION, CLEAN UP RESULTANT DEBRIS FROM THIS WORK AND REMOVE FROM THE SITE.

LIGHTING FIXTURES

FURNISH AND INSTALL LIGHTING FIXTURES AS SHOWN ON THE ELECTRICAL AND ARCHITECTURAL DRAWINGS. VERIFY EXACT LOCATIONS OF FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE FIXTURE HOUSINGS AND TRIMS WITH CEILING TYPE. PROVIDE REQUIRED ACCESSORIES FOR CEILING TYPES.

ALL BRANCH CIRCUIT WIRING FOR LIGHTING SHALL BE #12 AWG, TYPE THHN/THWN, AND SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING ABOVE THE HUNG CEILING. THE EMT SHALL BE SUPPORTED ACCORDING TO THE CODE(S) HAVING JURISDICTION BASE ON THE NUMBER AND SIZE OF CONDUCTORS ENTERING AND LEAVE THE BOX.

ALL FLUORESCENT LAMPS SHALL BE ENERGY SAVING TYPE.

ALL FLUORESCENT BALLASTS SHALL BE ENERGY SAVING TYPE, GE WATT MISER OR EQUAL, CLASS P.

DISTRIBUTION EQUIPMENT

ALL PANEL BOARDS SHALL BE ENCLOSED TYPE, FLUSH OR SURFACE MOUNTED AS REQUIRED, IN STEEL CABINETS CODE GAUGE, WITH STEEL TRIM CONCEALED HINGES, DOORS AND FLUSH TYPE LOCKS, ALL KEYS ALIKE, MANUFACTURER SHALL BE SQUARE D, CUTLER HAMMER, GE, OR ITE.

ALL BUSES, INCLUDING NEUTRAL AND GROUND BUS, SHALL BE MINIMUM 98% CONDUCTIVITY, HARD DRAWN COPPER, SILVER OR TIN-PLATED JOINTS, AND SIZED ON THE BASIS OF 1000 AMPERES PER SQUARE INCH CROSS-SECTIONAL AREA. BUSES SHALL BE ARRANGED FOR SEQUENCING PHASING.

PANEL BOARDS SHALL BE EQUIPPED WITH BOLD-ON MOLDED CASE CIRCUIT BREAKERS OF THE TYPE, NUMBER OF POLES, TRIP SIZES, AS SHOWN IN DRAWINGS AND INTERRUPTING CAPACITY AS PER BUILDING REQUIREMENTS.

A CIRCUIT DIRECTORY WITH METAL FRAME AND GLASSINE PAGE SHALL BE PROVIDED ON THE INSIDE OF THE DOOR. UPON COMPLETION OF THE PROJECT, THE DIRECTORY SHALL BE TYPED, INDICATING THE SERVICE CONTROLLED BY EACH CIRCUIT FOR NEW AND EXISTING PANELS.

GROUP AND LACE ALL CONDUCTORS WITHIN PANEL ENCLOSURE. DO NOT SPLICE CONDUCTORS WITHIN PANEL ENCLOSURE.

CLEAN, VACUUM, AND TIGHTEN ALL CONNECTORS AND CONNECTIONS IN EXISTING ELECTRICAL EQUIPMENT RE-USED.

PROVIDE NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT. NAMEPLATES TO BE ENGRAVED THREE LAYER LAMINATED PLASTIC, WHITE LETTERS ON BLACK BACKGROUND FOR EQUIPMENT 250 VOLTS AND UNDER, AND WHITE LETTERS ON RED BACKGROUND FOR EQUIPMENT OVER 250 VOLTS.

PROVIDE HANDLE-LOCKS FOR ALL CIRCUIT BREAKS FOR "NITE-LITE" AND "EXIT" LIGHTS WITH BATTERY PACKS.

DEVICES

DUPLEX RECEPTACLES FOR WALL AND FLOOR CONVENIENCE OUTLETS SHALL BE 2 POLE, 3 WIRE, GROUNDED, 20 AMPERE, NEMA CONFIGURATION 5-20R, COLOR BY ARCHITECT.

DUPLEX GFI RECEPTACLE SHALL BE 2 POLE, 3 WIRE, GROUNDED, 20 AMPERE, NEMA CONFIGURATION 5-20R, COLOR BY ARCHITECT.

SINGLE POLE SWITCHES AND 3-WAY SWITCHES SHALL BE SPECIFICATION GRADE. COLOR BY ARCHITECT.

DEVICE SHALL BE MOUNTED UNDER COMMON COVERPLATE WHERE MULTIPLE DEVICES ARE INDICATED.

RACEWAY

BRANCH CIRCUIT WIRING AND FEEDERS SHALL BE RUN IN ELECTRIC METALLIC TUBING (EMT). THE EMT SHALL BE OF MILLED STEEL TUBING. STEEL SET SCREW WITH INSULATED THROAT TYPE CONNECTORS AND COUPLINGS SHALL BE USED FOR ALL EMT CONNECTIONS. SEALITE FLEXIBLE CONDUIT FOR VIBRATING EQUIPMENT (MOTORS, TRANSFORMERS, ETC.)

TYPE MC CABLE SHALL BE ALLOWED WITHIN WALLS TO RECEPTACLES AND NOT BE USED ABOVE CEILING FOR ANY BRANCH CIRCUIT WORK EXCEPT FOR FINAL CONNECTIONS TO LIGHT FIXTURES IN LENGTHS OF 6' OR LESS.

CUT CONDUIT END SQUARE, REAM SMOOTH, PAINT MALE THREADS OF FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAY COUPLINGS.

PASS RACEWAYS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY WITHIN 3' OF STEAM OR HOT WATER PIPES, OR APPLIANCES, EXCEPT CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 1" FROM PIPE COVER.

RUN ALL RACEWAYS PARALLEL AND/OR PERPENDICULAR TO BUILDING WALLS. HORIZONTAL OR CROSS RUNS IN FULL HEIGHT PARTITIONS AND WALLS NOT PERMITTED.

SEPARATE RACEWAYS FRO CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS.

BOXES: PROVIDE BARRIERS BETWEEN EMERGENCY AND NORMAL WIRING.

RUN ALL CONDUIT CONCEALED IN FINISHED AREAS, UNLESS INDICATED ON THE DRAWINGS.

CONNECT RACEWAY TO MOTOR TERMINAL BOXES WITH FLEXIBLE CONDUIT; MINIMUM 18 INCHES IN LENGTH AND 50% SLACK. DO NOT TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATION

CONDUITS ROUTED TO ROOF SHALL BE ROUTED ALONG MECHANICAL PIPING RUNS AND SHALL BE AS APPROVED BY BUILDING OWNER.

INDICATE, USING MARKING PEN, PANEL BOARD AND CIRCUIT DESIGNATIONS ON ALL CONDUIT HOMERUNS AND JUNCTION BOXES.

CONDUCTORS

CONDUCTORS SHALL BE COPPER, SIZES AS INDICATED ON DRAWINGS AND SHALL NOT BE LESS THAN #12 AWG. ALL #8 AWG WIRE AND LARGER SHALL BE STRANDED, ALL #10 AWG WIRE AND SMALLER SHALL BE SOLID. VOLTAGE RATING OF INSULATION SHALL BE 600 VOLTS.

TYPE THHN/THWN INSULATION SHALL BE USED FOR ALL BRANCH CIRCUIT WIRING. THE AMPACITIES OF THHN WIRE SHALL BE BASED ON THE ALLOWABLE AMPACITIES OF TWO WIRE. FEEDER CABLES INSULATION AS APPROVED.

RECESSED LIGHTING FIXTURES IN HUNG CEILING SHALL BE SUPPLIED WITH TYPE "AF" INSULATED WIRE IN FLEXIBLE METALLIC CONDUIT, IN LENGTHS NOT EXCEEDING 6 FEET, FROM ADJACENT JUNCTION BOXES.

FACTORY COLOR CODING FOR WIRE AND CABLE SHALL BE AS FOLLOWS: 480Y/277 - BROWN, ORANGE, YELLOW, GRAY, , FOR PHASES A, B, C AND NEUTRAL, RESPECTIVELY. 120/208V - BLACK, RED, BLUE, WHITE, FOR PHASES A, B, C AND NEUTRAL, RESPECTIVELY. 120/240V - BLACK, RED, WHITE, FOR PHASES A, B, AND NEUTRAL, RESPECTIVELY.

GROUND WIRES SHALL BE GREEN.

WIRE COLOR CODING: WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION FOR OVERLAP COLOR TAPING CONDUCTORS (MINIMUM LENGTHS 6") IN ACCESSIBLE LOCATIONS. COLOR CODING, ONCE SELECTED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT.

LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS, IN RACEWAY OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED, FURNISH FISH WIRE.

PULL NO THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32°F (0°C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUIT AS REQUIRED BY CODE

LIGHTING AND POWER WIRING FOR CIRCUITS LESS THAN 100 FEET SHALL BE #12 AWG, UNLESS NOTED, WIRE SIZES SHALL BE #10 FOR CIRCUITS GREATER THAN 100 FEET. NOT MORE THAN (3) LIGHTING OR CONVENIENCE OUTLET CIRCUITS IN ONE CONDUIT UNLESS OTHERWISE NOTED.

ALL WIRES SHALL BE IDENTIFIED BY CIRCUIT NUMBERS IN ALL CABINETS, BOXES, WIRING TROUGH, OTHER ENCLOSURES, AT ALL SPLICES, TERMINATION POINTS, ETC.

OUTLET JUNCTION AND PULL BOXES

ALL OUTLET BOXES SHALL BE CODE GAUGE, HOT DIPPED GALVANIZED STAMPED STEEL.

OUTLET BOXES FOR RECEPTACLES AND SWITCHES IN DRY WALL PARTITION SHALL BE 4" SQUARE, BY 1-1/2" MINIMUM DEPTH AND SHALL BE FITTED WITH SQUARE CORNERED DEVICE COVERS AND DEPTH EQUAL TO THE DRY WALL THICKNESS, SECTIONAL BOXES ARE NOT ACCEPTABLE.

JUNCTION AND PULL BOXES: LOCATE GENERALLY NOT EXPOSED IN FINISHED SPACE. WHERE NECESSARY, RE-ROUTE RACEWAY OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES AS INDICATED AND WHERE EVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATIONS WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE FOR EMPTY RACEWAY RUN PROVIDED PULL BOXES EVERY 100 FEET AND AS INDICATED. COORDINATED LOCATIONS WITH OTHER TRADES.

SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.

LOCATIONS INDICATED FOR ALL LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS. AT OR NEAR DOORS INSTALL SWITCH, IN SIDE OPPOSITE HINGE, VERIFY FINAL DOOR HINGE LOCATION ON FIELD PRIOR TO SWITCH OUTLET INSTALLATION.

LOCATION INDICATED FOR LOCAL WALL SWITCHES, CONTROLLERS, EMERGENCY PUSH BUTTONS, RECEPTACLE, ETC. ARE SUBJECT TO MODIFICATIONS.

HEIGHTS OF OUTLET FROM FINISHED FLOOR TO CENTERLINE OF OUTLETS, AS PER ARCHITECTURAL DRAWINGS. EXCEPTIONS: AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS, MOLDING OR BREAK IN WALL SURFACE IN VIOLATION OF CODE REQUIREMENTS.

OFFSET BACK-TO-BACK OUTLETS. THROUGH THE WALL TYPE, NOT PERMITTED.

GROUNDING

GROUND ALL CONDUITS, CABINETS, MOTORS, PANELS, AND OTHER EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ALL PROVISIONS OF THE NATIONAL ELECTRICAL CODE, OR LOCAL CODES THAT MAY APPLY.

PROVIDE INSULATED GROUNDING CONDUCTORS IN ALL CONDUITS. GROUND WIRE TO BE SIZED IN ACCORDANCE WITH N.E.C. ARTICLE 250.122.

SUPPORTS

SECURE ALL SUPPORTS TO BUILDING STRUCTURE AS REQUIRED. DO NOT SUPPORT FROM CEILING HANGERS. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FEET APART. SUPPORT RACEWAY RISERS AT EACH FLOOR LEVEL. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALL.

SUPPORT PANEL, JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAY.

ALL ANCHORS, FASTENERS, CLAMPS, ETC., SHALL BE MADE OF STEEL AND SHALL NOT CONTAIN ANY LEAD, WOOD, PLASTIC, ETC.

SLEEVES

PROVIDE WATERPROOF SLEEVES, AS APPROVED FOR ROOF, FLOOR AND WALL PENETRATIONS. ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR PARTITIONS SHALL BE SEALED TO PREVENT THE SPREAD OF SMOKE AND FIRE THROUGH THEM. THE FIRE RATING OF THE PENETRATION SEAL SHALL BE AT LEAST THAT OF THE FLOOR OR WALL INTO WHICH IT IS INSTALLED BY ARTICLE 300.21 OF THE

NATIONAL ELECTRICAL CODE.

THE FOAM SEALANT SHALL MEET ALL OF THE FIRE TEST AND HOSE STREAM TEST REQUIREMENTS OF ASTM E-119-73 AND SHALL BE U.L. CLASSIFIED AS A WALL OPENING PROTECTIVE DEVICE, AS MANUFACTURED BY CHASE TECHNOLOGY CORPORATION.

HVAC CONTROLS

MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL CONTROL WIRING INCLUDING CONDUITS, RELAYS, TIME CLOCK, CONTROL TRANSFORMERS, ETC., FOR ALL HVAC EQUIPMENT, UNLESS OTHERWISE NOTED.

ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ONLY POWER WIRING WITH DISCONNECTS, AS SHOWN IN ELECTRICAL DRAWINGS.

TEST AND GUARANTEES

UPON COMPLETION OF ALL ELECTRICAL WORK, CONTRACTOR SHALL TEST FOR GROUNDS AND SHORTS, TO INSURE PROPER OPERATION OF ELECTRICAL EQUIPMENT. REPAIR OR REPLACE FAULTY EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.

GUARANTEE FOR ONE YEAR AFTER FINAL ACCEPTANCE BY OWNER OF ALL WORKMANSHIP AND MATERIALS FURNISHED.

LOAD BALANCING

ELECTRICAL CONTRACTOR SHALL BALANCE THE LOAD WITH AMPROBE ON ALL PANELS, SUBSEQUENT TO COMPLETION OF INSTALLATION, WITH ALL EQUIPMENT OPERATING SIMULTANEOUSLY. ELECTRICAL CONTRACTOR SHALL SUBMIT LOAD BALANCING REPORT TO PROJECT MANAGER FOR APPROVAL.

RENOVATION AND DEMOLITION WORK - ADDITIONAL REQUIREMENTS:

THE EXISTING INSTALLATION IS TO REMAIN IN PLACE AND IN OPERATION, EXCEPT AS OTHERWISE INDICATED OR SPECIFIED. WORK SHALL BE PROVIDED AS NECESSARY TO TIE-IN THE NEW INSTALLATION WITH THE EXISTING INSTALLATION, AND TO ADAPT THE EXISTING INSTALLATION TO CHANGES IN SYSTEMS OR BUILDING.

ANY NECESSARY TEMPORARY CONNECTION OR SERVICE SHALL BE PROVIDED AND PERFORMED IN SUCH MANNER AS TO MAINTAIN OPERATION IN ALL BUILDING AREAS. SYSTEMS OR MATERIALS WHICH ARE TO REMAIN IN SERVICE, BUT ARE TEMPORARILY DISCONNECTED, SHALL BE RECONNECTED AND RESTORED TO THEIR ORIGINAL OPERATING CONDITION.

THE RATINGS, LOCATION AND USAGE OF ANY EXISTING MATERIAL (ELECTRICAL CIRCUIT, ETC.) SHOWN BY THE PLANS OR INVOLVED IN THE WORK SHALL BE VERIFIED AT THE SITE.

BEFORE USING OR ADDING TO ANY EXISTING ELECTRICAL CIRCUIT, CHECK THE RELATED EXISTING CIRCUIT CAPACITY, AND DO NOT MAKE ANY CONNECTION THAT WOULD OVERLOAD ANY CIRCUIT OR IMPROPERLY USE ANY EXISTING CIRCUIT. BEFORE REMOVING ANY EXISTING CIRCUIT, CHECK ALL CONNECTED LOADS TO ASSURE THAT THERE ARE NO UNKNOWN EXISTING LOADS THAT SHOULD REMAIN CONNECTED - DO NOT REMOVE ANY EXISTING CIRCUIT WHERE EXISTING LOADS TO REMAIN WOULD BE PERMANENTLY DISCONNECTED. MAKE A FIELD SURVEY OF ANY SUCH INADEQUATE CONDITION, AND PROVIDE INFORMATION TO THE ENGINEER IN DETAIL AND IN A TIMELY MANNER SO THAT NECESSARY REDESIGN MAY BE ACCOMPLISHED BY THE ENGINEER.

EXPOSED WIRING RENDERED USELESS DUE TO CHANGES IN THE BUILDING SHALL BE REMOVED. CONCEALED WIRING AND CONTROLS EXPOSED BY THE REMOVAL OF WALLS, PARTITIONS, ETC., SHALL BE REMOVED OR RELOCATED AND RECONNECTED AS NECESSARY. OTHER MATERIALS SHALL BE REMOVED AS NECESSARY OR INDICATED.

MATERIALS TO BE RELOCATED OR SALVAGED SHALL BE DISCONNECTED AND DEMOUNTED WITHOUT DAMAGE. DEMOUNTED MATERIALS SHALL BE STORED AT THE JOB SITE UNDER THE BEST CONDITIONS PRACTICAL. MATERIALS TO REMAIN IN PLACE WHILE WORK IS IN PROGRESS SHALL BE DISCONNECTED IF NECESSARY TO FUNCTION OR SAFETY, AND PROTECTED BY SUITABLE MEANS.

ELECTRICAL CABLE OR CONDUCTORS DAMAGED OR REMOVED FROM RACEWAYS SHALL NOT BE REUSED.

ELECTRICAL CONDUCTORS SHALL BE COLOR CODED AS REQUIRED BY CODE AND CONSISTENT WITH COLOR CODING FOR EXISTING FACILITY SYSTEMS.

WORK SHALL BE PERFORMED WITHIN THE ACCESS, PROPRIETARY, SECURITY, AND HOUSEKEEPING CONDITIONS SPECIFIED HEREIN OR BY OTHER DIVISIONS OR SECTIONS OF THE SPECIFICATIONS, OR AS CALLED FOR BY INSTRUCTIONS TO BIDDERS OR BY OWNER'S CRITERIA.

NOTIFY THE OWNER'S REPRESENTATIVE OF ANY NONFUNCTIONING MATERIAL OR POTENTIALLY UNSAFE CONDITION WITHIN THE EXISTING AND INVOLVED SYSTEMS THAT IS OBSERVED DURING THE CONDUCT OF THE WORK. PROPOSALS FOR THIS WORK SHALL BE BASED UPON EXAMINATION OF THE SITE AND CONDITIONS THEREON AND/OR THEREIN. PROPOSALS SHALL TAKE INTO CONSIDERATION SAID CONDITIONS WHICH MAY AFFECT WORK COVERED BY THIS SPECIFICATION.

COORDINATE WITH THE OWNER OR DESIGNATED OWNER'S REPRESENTATIVE TO LEARN OF ANY HAZARDOUS CONDITION OR MATERIAL THAT MAY EXIST AT THE SITE.

FIRE ALARM SYSTEM

EXISTING FIRE ALARM EQUIPMENT (PULL STATION, SMOKE DETECTORS, WARDEN STATIONS, ETC.) SHALL REMAIN OR RELOCATE TO NEARBY LOCATIONS TO ACCOMMODATE NEW CONDITIONS. ALL WORK SHALL BE COORDINATED WITH BUILDING AUTHORITIES. FINAL CONNECTIONS TO BUILDING FIRE ALARM SYSTEM TO BE DONE BY BUILDING APPROVED CONTRACTOR. INSTALL NEW FIRE ALARM DEVICES AS INDICATED ON FLOOR PLANS.

THE BASE BUILDING FIRE ALARM CONTROL PANEL SHALL BE UPGRADED AS REQUIRED TO HANDLE THE NEW VISUAL ALARM SIGNAL DEVICES SHOWN ON THE PLANS. UPGRADE EXISTING BUILDING SYSTEM AS REQUIRED INCLUDING (BUT NOT LIMITED TO) NEW POWER SUPPLIES, BATTERIES, AMPLIFIERS, CABINETS, ZONE MODULES, ETC.PROVIDE NEW VOICE EVACUATION SYSTEM AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.

ALL WORK AFFECTING THE EXISTING BUILDING ALARM SYSTEM MUST BE PERFORMED IN STRICT ACCORDANCE WITH BUILDING RULES AND REGULATIONS. ALL DEVICES SHALL MEET A.D.A. CRITERIA. REPLACE EXISTING DEVICES IF THEY DO NOT MEET A.D.A. CRITERIA.

CONTRACTOR SHALL SUBMIT COMPLETE DOCUMENTATION SHOWING THE TYPE, SIZE, RATING, STYLE, CATALOG NUMBER, MANUFACTURERS' NAMES, PHOTOS, AND/OR CATALOG DATA SHEETS FOR ALL ITEMS TO ENSURE COMPLIANCE WITH THESE SPECIFICATIONS.

ONLY EQUIPMENT DEVICES HAVE BEEN SHOWN ON THE CONTRACT DRAWINGS. ANY SPECIFIC WIRING BETWEEN EQUIPMENT SHOWN IS NOT FOR CONSTRUCTION PURPOSES. CONTRACTOR SHALL SUBMIT FOR APPROVAL THE COMPLETE LAYOUT OF THE ENTIRE SYSTEM, SHOWING WIRING AND ALL EQUIPMENT.

SUBMITTALS

MANUFACTURER'S CUTS AND SHOP DRAWINGS



RICHARD
WITTSCHIEBE
HAND

15 Simpson Street
Atlanta, Georgia 30308
V 404.888.2200
F 404.888.2400
www.rwdesign.com



1708 Peachtree St.
Suite 210
Atlanta, GA 30309
404/855-9334 main
404/855-1118 fax

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RENOVATIONS TO
LOCUST GROVE CITY HALL
3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS

ELECTRICAL
SCHEDULES

JOB NUMBER
201214

DATE
04/08/13

SHEET NUMBER

E0.2

SCHEDULE OF PANEL 1B (EXISTING)

MAIN BUSS	M.L.O.:-	M.B.:225A	VOLTAGE & PHASE: 120/208, 3Ø, 4W												MIN. A.I.C.: 10,000A	MOUNTING: SURFACE				
CKT	SERVES	LOAD (KVA)						BKR	A	B	C	BKR	LOAD (KVA)						SERVES	CKT
		LTS	REC	HTG	A/C	MTR	MISC						MISC	MTR	A/C	HTG	REC	LTS		
1	EXISTING REC CKT	-	-	-	-	-	20	●			20	-	-	-	-	-	EXISTING REC CKT	2		
3	EXISTING REC CKT						20	●			20						EXISTING REC CKT	4		
5	EXISTING REC CKT						20	●			20						EXISTING REC CKT	6		
7	EXISTING REC CKT						20	●			20						EXISTING REC CKT	8		
9	EXISTING REC CKT						20	●			20						EXISTING REC CKT	10		
11	EXISTING REC CKT						20	●			20						EXISTING REC CKT	12		
13	MS-1/CU-1				0.9		20	●			20						EXISTING REC CKT	14		
15	SPARE						20	●			20						EXISTING REC CKT	16		
17	EXISTING LTG CKT						20	●			20						EXISTING FIRE ALARM DIALER	18		
19	EXISTING CEILING FANS						20	●			20						EXISTING LTG CKT	20		
21	EXISTING LTG CKT						20	●			20			0.2	0.1	MACHINE ROOM REC.	22			
23	EXISTING LTG CKT						20	●			20						EXISTING HEATER	24		
25	EXISTING REC CKT						20	●			20						EXISTING PUMPS	26		
27	EXISTING LTG CKT						20	●			20						EXISTING HEATER	28		
29	EXISTING REC CKT						20	●			20	1.0					SUMP PUMP	30		
31	EXISTING LTG CKT						20	●			20			0.2	0.1	ELEVATOR ROOM GEN.	32			
33	EXISTING REC CKT						20	●			25			4.0		WH-1	34			
35	ELEVATOR CAB DISCONNECT	0.5	0.2				20	●			2							36		
37	EXISTING FIRE ALARM PANEL						20	●			20	0.1				0.4	EF-1	38		
39	EXISTING LTG CKT						20	●			20						SPARE	40		
41							20	●			20						SPARE	42		
TOTALS		0.5	0.2	-	0.9	-	-				-	1.1	-	4.0	0.4	0.6		TOTALS		

* PROVIDE NEW CIRCUIT BREAKER

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

UNIT	LOCATION	VOLTS	PHASE	HP	HEAT (KW)	CKT BREAKER	DISCONNECT	LOAD (KVA)	COND./WIRE	CIRCUIT	NOTE
WH-1	AS SHOWN	1	208	-	4.0	25/2	30/1/1	4.0	2#10, #10(G), 1/2" C	1B-34,36	1,2,3
EF-1	AS SHOWN	1	120	-	-	20/1	AS SHOWN	0.1	2#12, #12(G), 1/2" C	1B-38	1,2
MS-1/CU-1	AS SHOWN	1	120	-	-	20/1	30/1/3R	0.9	2#12, #12(G), 1/2" C	1B-13	1,2

NOTES: 1. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION OF EQUIPMENT DESCRIBED. REFER TO PANELBOARD SCHEDULES FOR CIRCUIT CONNECTIONS. WHERE FUSIBLE DISCONNECT SWITCHES ARE SPECIFIED, PROVIDE FUSING PER EQUIPMENT MANUFACTURER RECOMMENDATIONS OR U.L. LISTING REQUIREMENTS.
2. COORDINATE DISCONNECT AND/OR STARTER REQUIREMENTS WITH MECHANICAL CONTRACTOR.
3. PROVIDE INDIVIDUAL OVERLOAD PROTECTION PER MANUFACTURERS RECOMMENDATION.

SCHEDULE OF SERVICE SWITCHBOARD MDP (EXISTING)

MAIN BUSS	M.L.O.:-	M.B.:1000A	VOLTAGE & PHASE: 120/208, 3Ø, 4W				MOUNTING: SURFACE
SERVICE CONDUCTORS: SEE ONE-LINE DIAGRAM							
MINIMUM INTERRUPTING CAPACITY (SYM. AMPS): -							
CKT	SERVES		BREAKERS	POLES	KVA	FEEDER SIZE	
1	PANEL M		400A	3	-	EXISTING	
2	EXISTING		60A	3	-	EXISTING	
3	EXISTING		TUSS	3	-	EXISTING	
4	MAIN		1000A	3	-	EXISTING	
5	PANEL 1A		225A	3	-	EXISTING	
6	PANEL 1B		225A	3	-	EXISTING	
7	PANEL 2A		225A	3	-	EXISTING	
8	PANEL 2B		225A	3	-	EXISTING	
9	PANEL CC		200A	3	-	EXISTING	
10	ELEVATOR MOTOR (SHUNT TRIP)		150A	3	25.5	3#1/0, #6(G), 1-1/2" C	
11	SPACE		-	-	-	-	
12	SPACE		-	-	-	-	
13	SPACE		-	-	-	-	
14	SPACE		-	-	-	-	
15	SPACE		-	-	-	-	

GENERAL NOTES

- SPARE CIRCUIT AVAILABILITY FOR PANELS WAS DETERMINED BASED ON EXISTING PANELBOARD CIRCUIT DIRECTORY INFORMATION. CONTRACTOR SHALL VERIFY CIRCUIT AVAILABILITY AND PROVIDE NEW CIRCUIT BREAKERS AS NECESSARY IF SPARE BREAKERS ARE NOT AVAILABLE.
- CONTRACTOR SHALL VERIFY EXISTING PANEL LOADS BY PLACING A RECORDING AMMETER ON PANELS SERVING NEW CIRCUITS AS REQUIRED BY NEC 220.87.



RICHARD WITTSCHIEBE HAND

15 Simpson Street
Atlanta, Georgia 30308
V 404.888.2200
F 404.888.2400
www.rwhdesign.com



1708 Peachtree St.
Suite 210
Atlanta, GA 30309
404/355-9334 main
404/835-1118 fax

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RENOVATIONS TO
LOCUST GROVE CITY HALL
3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS

NO.	DATE	DESCRIPTION

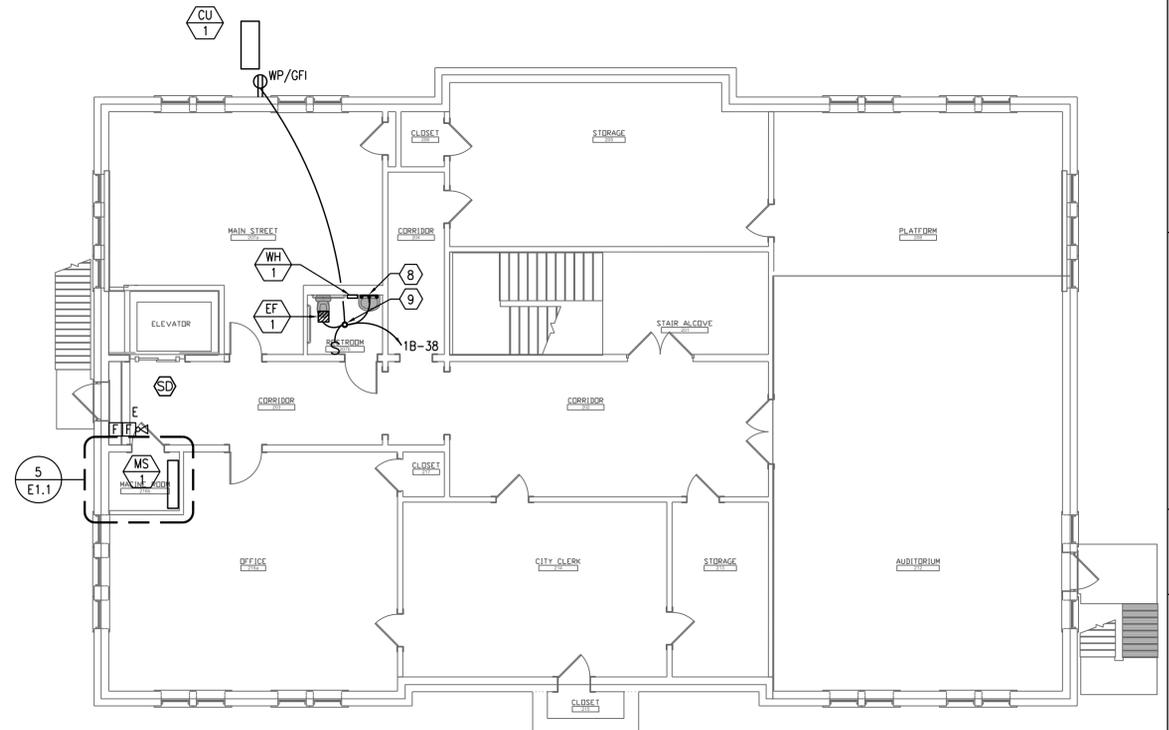
ELECTRICAL BASEMENT & FIRST FLOOR PLANS

JOB NUMBER
201214

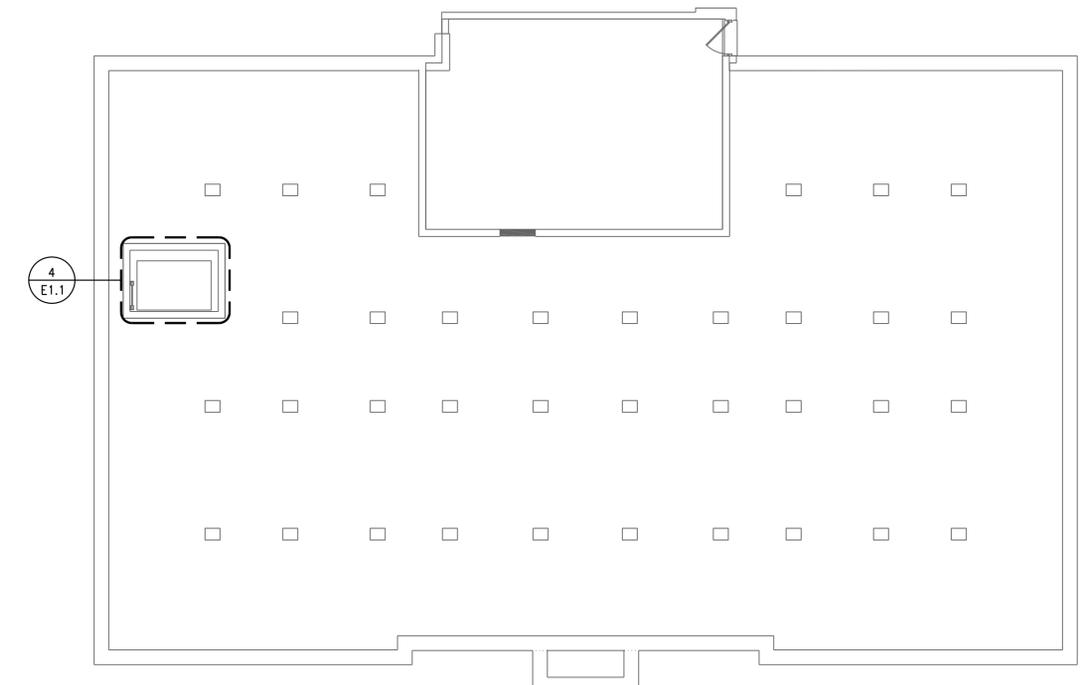
DATE
04/08/13

SHEET NUMBER

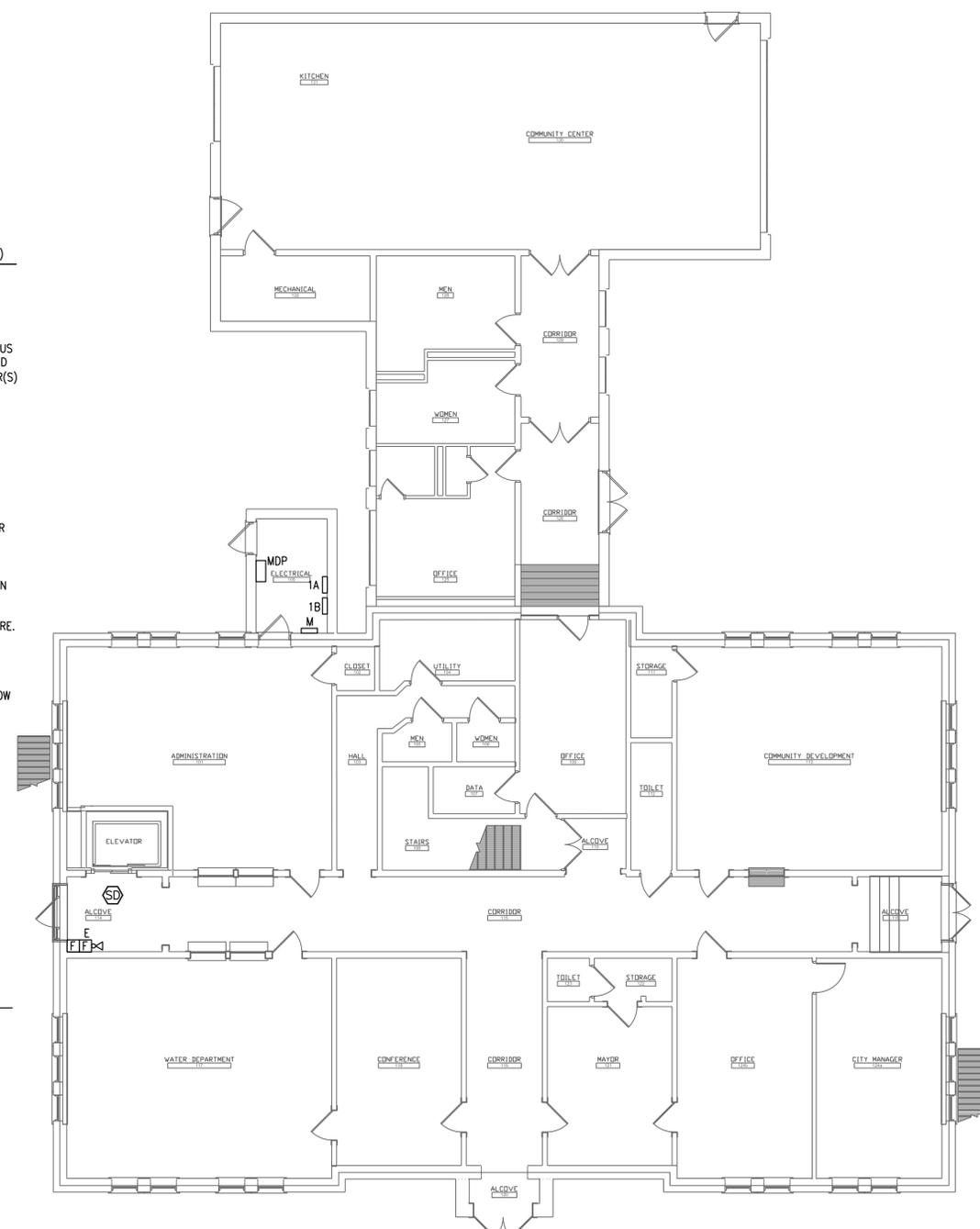
E1.1



3 SECOND FLOOR PLAN - ELECTRICAL
Scale: 1/8" = 1'-0"



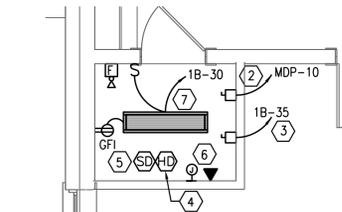
1 BASEMENT PLAN - ELECTRICAL
Scale: 1/8" = 1'-0"



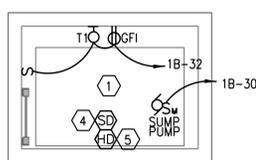
2 FIRST FLOOR PLAN - ELECTRICAL
Scale: 1/8" = 1'-0"

KEY NOTES (APPLY TO THIS SHEET ONLY)

- COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELEVATOR PIT DEVICES AND FIXTURES WITH ELEVATOR SHOP DRAWINGS.
- ELEVATOR MAIN DISCONNECT, 3P, FUSED PER ELEVATOR MANUFACTURER RECOMMENDATIONS. VERIFY EXACT LOCATION OF CONTROLLER WITH MANUFACTURER SHOP DRAWINGS. PROVIDE WITH AUXILIARY CONTACT FOR STATUS MONITORING BY DIVISION 14. EXTEND TO SHUNT TRIP CIRCUIT BREAKER SIZED PER MANUFACTURERS RECOMMENDATIONS. INTERCONNECT WITH HEAT DETECTOR(S) IN ELEVATOR MACHINE ROOM AND HOISTWAY.
- ELEVATOR CAB DISCONNECT SWITCH, 30/1/1/20A WITH GFCI PROTECTION.
- PROVIDE FIRE OUTPUTS FOR ELEVATOR RECALL FOR ALARMS FROM ELEVATOR LOBBY SMOKE DETECTORS OR MACHINE ROOM DETECTORS WITH ACCORDANCE WITH CURRENT ANSI ELEVATOR CODE.
- PROVIDE FIRE OUTPUTS TO SHUNT TRIP CIRCUIT BREAKER FOR ALARMS FROM HEAT DETECTORS IN THE ELEVATOR HOIST WAY OR MACHINE ROOM. PROVIDE HEAT DETECTORS WITH TEMPERATURE RATING LOWER THAN THAT OF SPRINKLER HEADS. COORDINATE WITH DIVISION 15.
- PROVIDE (1) 3/4" TO FIRE ALARM CONTROL PANEL FOR ELEVATOR RECALL INTERFACE. LABEL J-BOX "FIRE ALARM/ELEVATOR INTERFACE". VERIFY LOCATION WITH ELEVATOR SHOP DRAWINGS.
- CONTRACTOR PROVIDED SURFACE MOUNTED 1x4 FLUORESCENT LIGHTING FIXTURE, 100W MAXIMUM.
- CONTRACTOR PROVIDED 6" CFL CAN LIGHT, 100W MAXIMUM.
- CONTRACTOR PROVIDED WALL MOUNTED DECORATIVE FIXTURE ABOVE SINK, 300W MAXIMUM.



5 MACHINE ROOM PART PLAN
Scale: 1/4" = 1'-0"



4 ELEVATOR PART PLAN
Scale: 1/4" = 1'-0"



FIRST FLOOR RENOVATIONS TO LOCUST GROVE CITY HALL

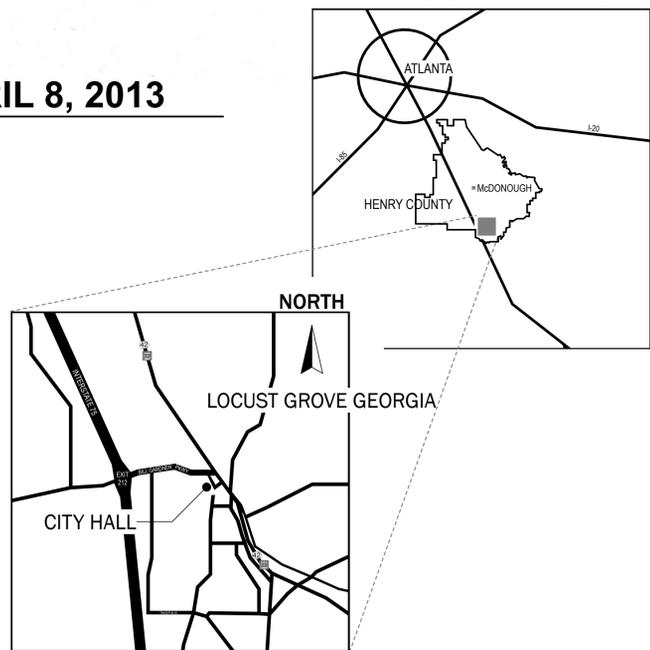
APRIL 8, 2013

3644 Georgia 42 Locust Grove, GA 30248

For the
City of Locust Grove
Robert Price, Mayor

CONSTRUCTION DOCUMENT SUBMITTAL

RICHARD
WITTSCHIEBE
HAND



PROJECT TEAM

RICHARD
WITTSCHIEBE
HAND

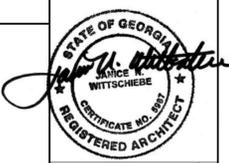
ARCHITECT
RICHARD WITTSCHIEBE HAND
15 SIMPSON STREET
ATLANTA, GA 30308
p: 404.688.2200



STRUCTURAL ENGINEER
QUINN ENGINEERING
110 LOWRIDGE COURT
DULUTH, GA 30097
p: 770.751.9491



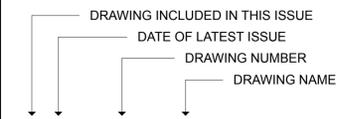
MECHANICAL PLUMBING & ELECTRICAL ENGINEER
COVALENT CONSULTING
3414 PEACHTREE ROAD
SUITE 301
ATLANTA, GA 30326
p: 404.355.9334



RICHARD
WITTSCHIEBE
HAND

15 Simpson Street
Atlanta, Georgia 30308
P 404.688.2200
F 404.688.2400
www.rwhdesign.com

DRAWING INDEX



04/08/13 COVER SHEET

ARCHITECTURAL

04/08/13 A1 OVERALL FLOOR PLAN & GENERAL INFORMATION

04/08/13 A2 OFFICE PLANS & DETAILS

ELECTRICAL

04/08/13 E0 SPECIFICATIONS

04/08/13 E1 FIRST FLOOR LIGHTING PLAN

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**FIRST FLOOR
RENOVATIONS TO
LOCUST GROVE CITY HALL**
3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS

NO.	DATE	DESCRIPTION

COVER SHEET

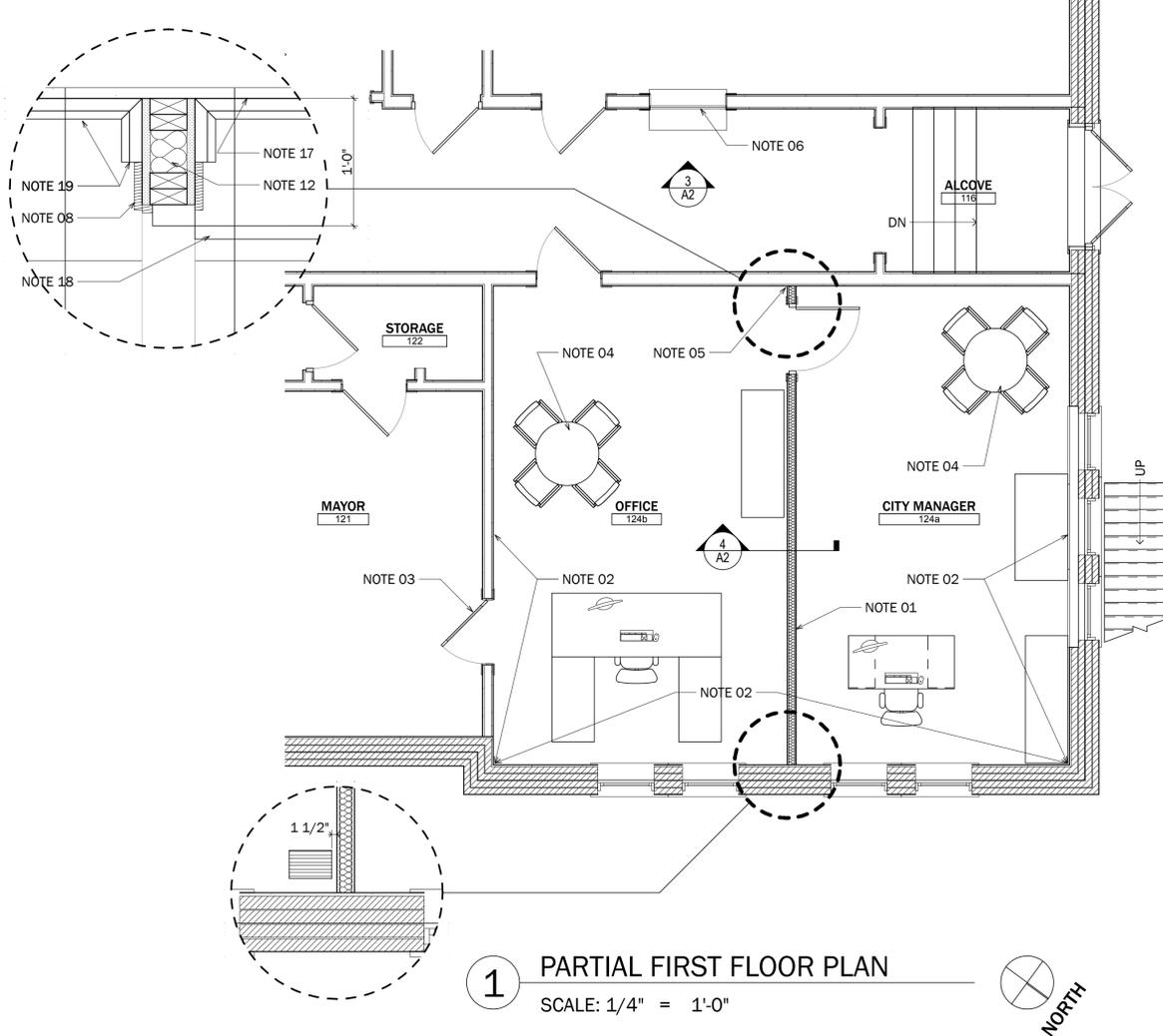
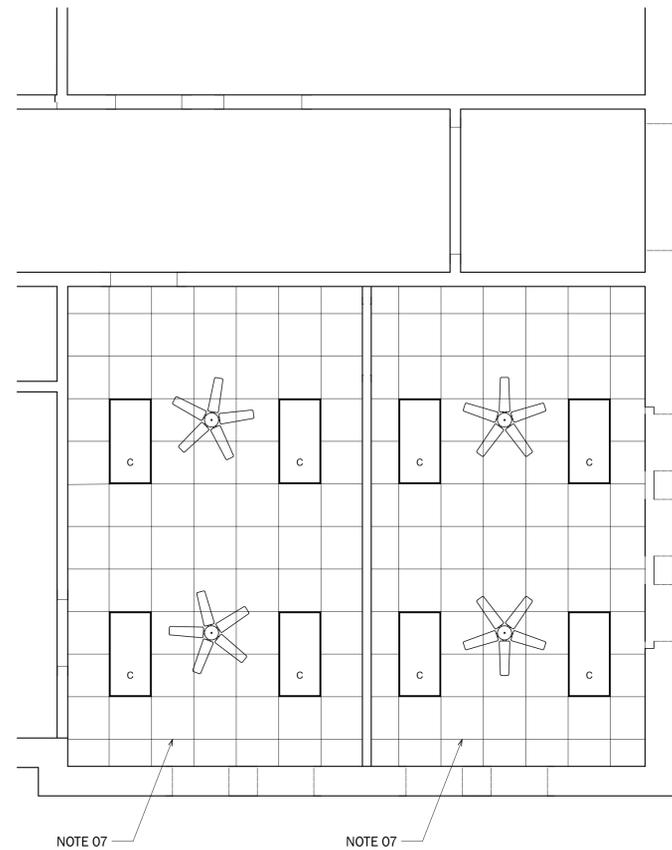
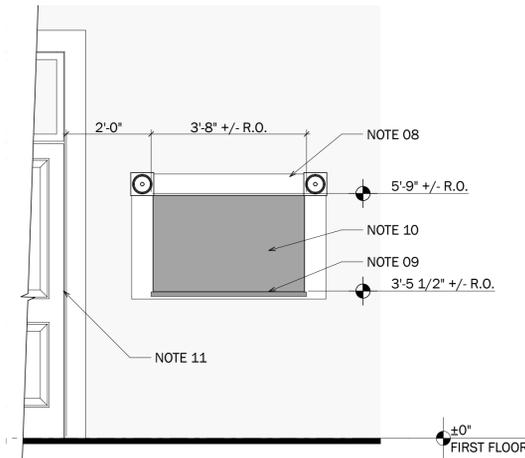
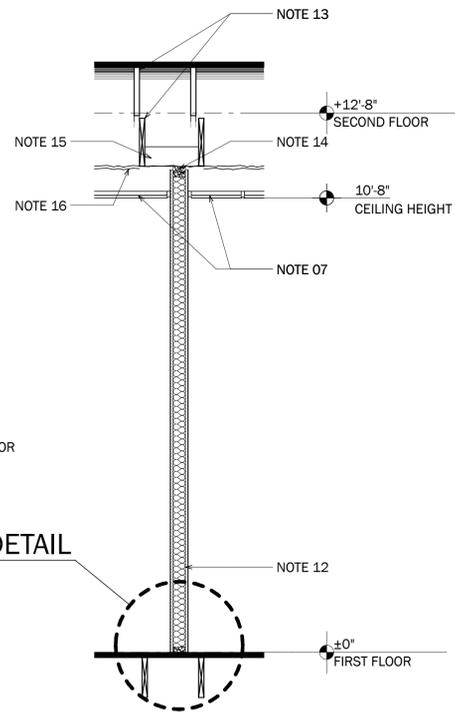
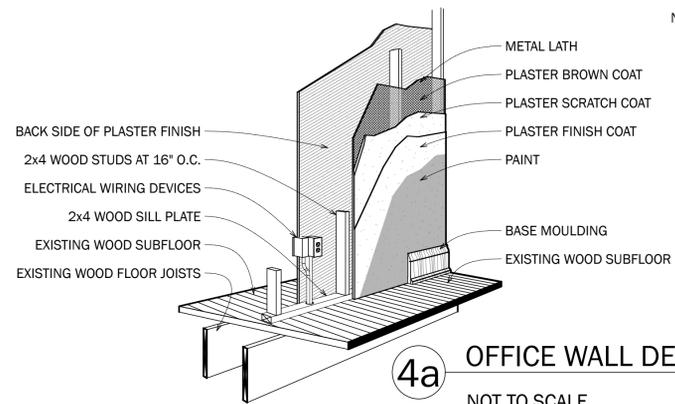
JOB NUMBER
201214

DATE
04/08/13

The Scope of Work generally consists of separating one room into two offices in the existing Locust Grove City Hall. No Change of Occupancy or structural modifications to the existing facility are a part of this scope.
The existing facility is not protected by an automatic sprinkler system.

REFER TO A1 "OVERALL FLOOR PLAN & GENERAL INFORMATION" FOR BUILDING CODE INFORMATION

This is an artist impression and is not intended for use for construction. Images may not be representative of the final design.



GENERAL NOTES

A ALL DIMENSIONS TO EXISTING ELEMENTS ARE APPROXIMATE UNLESS INDICATED AS CRITICAL. "FLOAT" DIMENSIONS WILL VARY BASED ON FIELD CONDITIONS (ALL OTHER DIMENSIONS IN SAME STRING ARE CRITICAL)

B SEE A1 FOR GENERAL SPECIFICATIONS

KEY NOTES

01 NEW WOOD STUD AND PLASTER PARTITION- LOCATE WALL ADJACENT TO EXISTING HVAC GRILL AS INDICATED IN DETAIL BELOW

02 REPAIR EXISTING PLASTER AT FORMER DAIS LOCATION; REPLACE WOOD BASE WITH NEW TRIM TO MATCH EXISTING- INCLUDING PROFILE, DIMENSIONS AND ACCENTS

03 RECONFIGURE EXISTING DOOR- REMOVE STEP AT DOOR THRESHOLD, MOVE DOOR LEAF AND TRANSOM BAR TO FLOOR LEVEL, REWORK TRANSOM FOR NEW HEIGHT

04 FURNITURE (BY OWNER), TYPICAL

05 CUT EXISTING CHALK-TRAY, FRAME PARTITION AROUND EXISTING CHALK BOARD TO REMAIN

06 REMOVE PORTION OF EXISTING LOAD-BEARING WALL FOR NEW TRANSACTION WINDOW; SEE SECTIONS AND DETAILS FOR INFORMATION

07 NEW SUSPENDED ACOUSTICAL CEILING- USG INTERIORS, INC.; HALCYON CLIMAPLUS (ASTM E1264 TYPE XII, FORM 2, PATTERN G), 2'x2', SHADOWLINE (SL) REVEAL EDGE; IN DONN DX STEEL SUSPENSION SYSTEM AND SHADOWLINE EDGE MOLDING; SUPPORTED AT HEIGHT INDICATED FROM EXISTING WOOD STRUCTURE ABOVE WITH HANGERS OR RODS AS REQUIRED

08 NEW WOOD TRIM TO MATCH EXISTING WOOD TRIM INCLUDING PROFILE, DIMENSIONS AND ACCENTS

09 PLASTIC LAMINATE COUNTERTOP OVER PLYWOOD SUBSTRATE- MATCH LAMINATE AT EXISTING TRANSACTION WINDOW NEAR ELEVATOR

10 GLAZING TO MATCH EXISTING TRANSACTION WINDOW NEAR ELEVATOR- CUT PASS-THRU OPENING TO MATCH SIZE OF EXISTING

11 LOCATE ROUGH OPENING OF NEW WINDOW AT DISTANCE INDICATED FROM EXISTING DOOR OPENING

12 NEW WOOD STUD AND PLASTER PARTITION- SEE DETAIL 4a FOR TYPICAL CONSTRUCTION; FILL STUD CAVITIES WITH SOUND ATTENUATION BLANKETS

13 EXISTING WOOD STRUCTURE ABOVE; STRUCTURE MAY SLOPE WITH AUDITORIUM FLOOR ABOVE

14 TWO 2x4 TOP PLATE FASTENED TO 2x6 ABOVE- SEE NOTE 15

15 2x6 AT 16" O.C., ANCHORED TO EXISTING WOOD STRUCTURE

16 EXISTING PLASTER CEILING

17 FACE OF EXISTING PLASTER WALL

18 NEW STILE AND RAIL WOOD DOOR TO MATCH EXISTING WOOD DOORS IN PROFILE AND DIMENSIONS EXCEPT DOOR OPENING HAS NO TRANSOM

19 LINE OF EXISTING WOOD BASE BELOW- MITER CUT AND INSTALL NEW WOOD BASE AT NEW PARTITION



RICHARD WITTSCHIEBE HAND

15 Simpson Street
Atlanta, Georgia 30308
V 404.688.2200
F 404.688.2400
www.rwdesign.com

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FIRST FLOOR RENOVATIONS TO
LOCUST GROVE CITY HALL
3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS

NO.	DESCRIPTION

OFFICE PLANS & DETAILS

JOB NUMBER
201214

DATE
04/08/13

SHEET NUMBER
A2

ABBREVIATION/DEFINITION		ABBREVIATION/DEFINITION	
A	AMPERE, AMMETER	LV	LOW VOLTAGE
AFF	ABOVE FINISHED FLOOR	MB	MAIN BREAKER
AIC	AMPERE, AMMETER	MCC	MOTOR CONTROL CENTER
C	CONDUIT	MLO	MAIN LUGS ONLY
CU	COPPER	NIC	NOT IN CONTRACT
E	EXISTING	NTS	NOT TO SCALE
EMER	EMERGENCY	OC	OVER COUNTER
G,GND	GROUND	P	POLE, PHASE
GFI	GROUND FAULT INTERRUPTER	P,P.NL	PANELBOARD
HP	HORSEPOWER	R	RELOCATE
HZ	HERTZ	Typ	TYPICAL
IG	ISOLATED GROUND	UG	UNDERGROUND
J	JUNCTION BOX	UNO	UNLESS NOTED OTHERWISE
KVA	KILOVOLT-AMPERES	V	VOLT
KW	KILOWATTS	WP	WEATHERPROOF
LC	LIGHTING CONTACTOR	XFMR	TRANSFORMER
LTG	LIGHTING		

NOTE: THESE ARE STANDARD ABBREVIATIONS, ALL ABBREVIATIONS SHOWN ABOVE MAY NOT APPEAR ON DRAWINGS.

ELECTRICAL LEGEND

	A-1,3,5, ADJACENT TO ARROW INDICATED HOMERUN OF CIRCUITS 1,3,5 TO PANEL A. MARKS ACROSS RACEWAY RUNS INDICATE THE NUMBER OF #12 CONDUCTORS. UNLESS NOTED, NO MARKS INDICATE TWO #12 CONDUCTORS. NUMERAL AND LOWER CASE LETTER INDICATES CIRCUIT CONNECTION AND SWITCH LEG DESIGN RESPECTIVELY. UPPER CASE LETTER INDICATES FIXTURE TYPE.		
INFORMATION NOTES: 1. ALL DIMENSIONS INDICATED IN LEGEND ARE TO BOTTOM OF OUTLET OR EQUIPMENT AND SHALL BE THE DIMENSIONS USED UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE DRAWINGS. 2. ALL SYMBOLS INDICATED IN THIS LEGEND MAY NOT BE USED ON THE PLANS. 3. DEVICE PLATES FOR RECEPTACLES AND SWITCHES SHALL BE SELECTED BY ARCHITECT. 4. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHTING FIXTURES. 5. MOUNTING HEIGHTS FOR LIGHT SWITCHES, RECEPTACLES, FIRE ALARM BREAK-GLASS STATIONS, ETC., AND AUDIO-VISUAL ALARM DEVICES COMPLY WITH A.D.A. DO NOT VARY THESE DIMENSIONS.			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	S SINGLE POLE TOGGLE SWITCH 48" AFF		CEILING OR WALL OUTLET AND FIXTURE
	S ₃ THREE-WAY TOGGLE SWITCH 48" AFF		WITH EMERGENCY BATTERY BALLAST
	S _D SINGLE POLE DIMMER SWITCH 48" AFF		WALL MOUNTED EMERGENCY FIXTURE
	S _M MOTOR RATED SWITCH W/ OVERLOAD PROTECTION		OUTLET AND FLUORESCENT FIXTURE
	S _{OC} WALL MOUNTED OCCUPANCY SWITCH 48" AFF WATTSTOPPER DW-103		CEILING OUTLET AND FLUORESCENT FIXTURE
	S _{OC} CEILING MOUNTED OCCUPANCY SWITCH WATTSTOPPER DT-355		WITH EMERGENCY BATTERY BALLAST
	S ₁₈ DUPLEX RECEPTACLE 18" AFF (NEMA-5-20R)		CEILING OR WALL MOUNTED EXIT SIGN (ARROWS DENOTE DIRECTION OF EGRESS)
	S ₁₈ DOUBLE DUPLEX RECEPTACLE 18" AFF		CEILING OR WALL MOUNTED JUNCTION BOX
	S _{20A} DUPLEX 20A RECEPTACLE - XX" AFF AS NOTED ON PLANS. "OC" DESIGNATES OUTLETS TO BE INSTALLED ABOVE COUNTER TOPS. INSTALL SUCH DEVICES HORIZONTALLY 4" ABOVE COUNTER TOP TO CENTER OF OUTLET BOX, OR AS INDICATED ON ARCHITECTURAL DRAWINGS.		SPECIAL RECEPTACLE AS NOTED 18" AFF
	S _{REC} RECESSED/FLUSH FLOOR BOX WITH DUPLEX REC. (HINGED COVER. BLACK NONMETALIC)		VOICE/DATA OUTLET 18" AFF (*)
	S _{FACP} FIRE ALARM SYSTEM PULL STATION 48" AFF		TELEPHONE OUTLET 18" AFF (*)
	S _{FAAP} FIRE ALARM SYSTEM STROBE-ONLY SIGNAL (**)		TELEVISION OUTLET 18" AFF (*)
	S _{FAHP} FIRE ALARM SYSTEM HORN/STROBE SIGNAL (**)		FIRE ALARM CONTROL PANEL
	S _{PB} PANELBOARD (FLUSH OR SURFACE MOUNTED)		FIRE ALARM ANNUNCIATOR PANEL
	S _{FM} FLEXIBLE METALLIC RACEWAY (6" MAXIMUM LENGTH)		WALL/CEILING MOUNTED SMOKE DETECTOR (***)
	S _{RC} RACEWAY INSTALLED CONCEALED IN WALLS AND/OR ABOVE CEILING		DUCT MOUNTED SMOKE DETECTOR- COORDINATE WITH MECHANICAL ENGINEER (***)
	S _{TC} TERMINATE CONDUIT ABOVE CEILING (PROVIDE INSULATED THROAT BUSHING)		WALL/CEILING MOUNTED HEAT DETECTOR (***)
			NON-FUSED DISCONNECT SWITCH (RATING/POLES/ENCLOSURE AS INDICATED)
			MOTOR

* PROVIDE 4"x4" BOX, PLASTER RING, AND CONDUIT FROM OUTLET ABOVE CEILING AREA WITH PULLSTRING WIRE FOR CABLING BY OWNER'S VENDOR.
 ** 80" AFF OR 6" BELOW FINISHED CEILING. ALIGN WITH WALL SWITCH WHERE APPLICABLE.
 *** TIE INTO FIRE ALARM PANEL.

SPECIFICATIONS

GENERAL

ALL ELECTRICAL WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, STATE, AND COUNTY AND CITY ELECTRICAL CODES, AND AUTHORITIES HAVING JURISDICTION.

ALL EQUIPMENT SHALL BE NEW AND U.L. APPROVED.

ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. SIZE AND LOCATION OF EQUIPMENT AND WIRING ARE SHOWING TO SCALE WHERE POSSIBLE, BUT MAY BE DISTORTED FOR CLARITY ON THE DRAWINGS. FINAL LOCATIONS OF OUTLETS AND EQUIPMENT SHALL BE SHOWN IN ENLARGED DETAILS OR AS APPROVED BY THE ARCHITECT OR HIS REPRESENTATIVE. IT IS NOT WITHIN THE SCOPE OF THE DRAWINGS TO SHOW ALL THE NECESSARY BENDS, OFFSETS, PULLBOXES AND OBSTRUCTIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL HIS WORK TO CONFORM TO THE STRUCTURE, MAINTAIN HEAD-ROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE AND SHALL COMPARE THE DRAWINGS WITH EXISTING ELECTRICAL INSTALLATIONS, AND SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS WITHIN THE SCOPE OF HIS WORK. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL HAVE DEEMED TO HAVE MADE SUCH EXAMINATION AND TO HAVE ACCEPTED SUCH CONDITIONS AND TO HAVE MADE ALLOWANCE THEREFORE IN PREPARING HIS BID.

CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH ALL TRADES AND ELECTRICAL REFERENCES ON ARCHITECTURAL DRAWINGS.

VERIFY LOCATIONS OF ALL ELECTRICAL EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND INTERIOR DETAILS AND FINISHES. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS, AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE, AND CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.

FURNISH AND INSTALL WIRING FOR EQUIPMENT FURNISHED BY OTHERS, AS SHOWN ON DRAWINGS. COORDINATE WITH OTHER TRADES OR DETAILS FOR INSTALLATION. THE TERM "WIRING", AS USED HEREIN, INCLUDES FURNISHING AND INSTALLING CONDUIT, WIRE JUNCTION BOXES, DISCONNECTS AND MAKING CONNECTIONS. CHECK ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS FOR EQUIPMENT TO BE INSTALLED BY OTHERS. BE RESPONSIBLE FOR PROPER WIRING AND NECESSARY ELECTRICAL ADJUSTMENTS TO EQUIPMENT TO CONFORM TO SPECIFIED REQUIREMENTS OF THE EQUIPMENT.

SECURE AND PAY ALL PERMITS AND FEES NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK.

THE CONTRACTOR SHALL DO ALL CUTTING AND PATCHING OF THE EXISTING CONSTRUCTION WORK WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF THE ELECTRICAL WORK. ALL PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP, AND FINISH AND SHALL ACCURATELY MATCH ALL SURROUNDING WORK.

AFTER COMPLETION OF WORK UNDER THIS SECTION, CLEAN UP RESULTANT DEBRIS FROM THIS WORK AND REMOVE FROM THE SITE.

LIGHTING FIXTURES

FURNISH AND INSTALL LIGHTING FIXTURES AS SHOWN ON THE ELECTRICAL AND ARCHITECTURAL DRAWINGS. VERIFY EXACT LOCATIONS OF FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE FIXTURE HOUSINGS AND TRIMS WITH CEILING TYPE. PROVIDE REQUIRED ACCESSORIES FOR CEILING TYPES.

ALL BRANCH CIRCUIT WIRING FOR LIGHTING SHALL BE #12 AWG, TYPE THHN/THWN, AND SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING ABOVE THE HUNG CEILING. THE EMT SHALL BE SUPPORTED ACCORDING TO THE CODE(S) HAVING JURISDICTION BASE ON THE NUMBER AND SIZE OF CONDUCTORS ENTERING AND LEAVE THE BOX.

ALL FLUORESCENT LAMPS SHALL BE ENERGY SAVING TYPE.

ALL FLUORESCENT BALLASTS SHALL BE ENERGY SAVING TYPE, GE WATT MISER OR EQUAL, CLASS P.

DISTRIBUTION EQUIPMENT

ALL PANEL BOARDS SHALL BE ENCLOSED TYPE, FLUSH OR SURFACE MOUNTED AS REQUIRED, IN STEEL CABINETS CODE GAUGE, WITH STEEL TRIM CONCEALED HINGES, DOORS AND FLUSH TYPE LOCKS, ALL KEYS ALIKE, MANUFACTURER SHALL BE SQUARE D, CUTLER HAMMER, GE, OR ITE.

ALL BUSES, INCLUDING NEUTRAL AND GROUND BUS, SHALL BE MINIMUM 98% CONDUCTIVITY, HARD DRAWN COPPER, SILVER OR TIN-PLATED JOINTS, AND SIZED ON THE BASIS OF 1000 AMPERES PER SQUARE INCH CROSS-SECTIONAL AREA. BUSES SHALL BE ARRANGED FOR SEQUENCING PHASING.

PANEL BOARDS SHALL BE EQUIPPED WITH BOLD-ON MOLDED CASE CIRCUIT BREAKERS OF THE TYPE, NUMBER OF POLES, TRIP SIZES, AS SHOWN IN DRAWINGS AND INTERRUPTING CAPACITY AS PER BUILDING REQUIREMENTS.

A CIRCUIT DIRECTORY WITH METAL FRAME AND GLASSINE PAGE SHALL BE PROVIDED ON THE INSIDE OF THE DOOR. UPON COMPLETION OF THE PROJECT, THE DIRECTORY SHALL BE TYPED, WRITTEN, INDICATING THE SERVICE CONTROLLED BY EACH CIRCUIT FOR NEW AND EXISTING PANELS.

GROUP AND LACE ALL CONDUCTORS WITHIN PANEL ENCLOSURE. DO NOT SPLICE CONDUCTORS WITHIN PANEL ENCLOSURE.

CLEAN, VACUUM, AND TIGHTEN ALL CONNECTORS AND CONNECTIONS IN EXISTING ELECTRICAL EQUIPMENT RE-USED.

PROVIDE NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT. NAMEPLATES TO BE ENGRAVED THREE LAYER LAMINATED PLASTIC, WHITE LETTERS ON BLACK BACKGROUND FOR EQUIPMENT 250 VOLTS AND UNDER, AND WHITE LETTERS ON RED BACKGROUND FOR EQUIPMENT OVER 250 VOLTS.

PROVIDE HANDLE-LOCKS FOR ALL CIRCUIT BREAKS FOR "NITE-LITE" AND "EXIT" LIGHTS WITH BATTERY PACKS.

DEVICES

DUPLEX RECEPTACLES FOR WALL AND FLOOR CONVENIENCE OUTLETS SHALL BE 2 POLE, 3 WIRE, GROUNDED, 20 AMPERE, NEMA CONFIGURATION 5-20R, COLOR BY ARCHITECT.

DUPLEX GFI RECEPTACLE SHALL BE 2 POLE, 3 WIRE, GROUNDED, 20 AMPERE, NEMA CONFIGURATION 5-20R, COLOR BY ARCHITECT.

SINGLE POLE SWITCHES AND 3-WAY SWITCHES SHALL BE SPECIFICATION GRADE. COLOR BY ARCHITECT.

DEVICE SHALL BE MOUNTED UNDER COMMON COVERPLATE WHERE MULTIPLE DEVICES ARE INDICATED.

RACEWAY

BRANCH CIRCUIT WIRING AND FEEDERS SHALL BE RUN IN ELECTRIC METALLIC TUBING (EMT). THE EMT SHALL BE OF MILLED STEEL TUBING. STEEL SET SCREW WITH INSULATED THROAT TYPE CONNECTORS AND COUPLINGS SHALL BE USED FOR ALL EMT CONNECTIONS. SEALITE FLEXIBLE CONDUIT FOR VIBRATING EQUIPMENT (MOTORS, TRANSFORMERS, ETC.)

TYPE MC CABLE SHALL BE ALLOWED WITHIN WALLS TO RECEPTACLES AND NOT BE USED ABOVE CEILING FOR ANY BRANCH CIRCUIT WORK EXCEPT FOR FINAL CONNECTIONS TO LIGHT FIXTURES IN LENGTHS OF 6' OR LESS.

CUT CONDUIT END SQUARE, REAM SMOOTH, PAINT MALE THREADS OF FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAY COUPLINGS.

PASS RACEWAYS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY WITHIN 3' OF STEAM OR HOT WATER PIPES, OR APPLIANCES, EXCEPT CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 1" FROM PIPE COVER.

RUN ALL RACEWAYS PARALLEL AND/OR PERPENDICULAR TO BUILDING WALLS. HORIZONTAL OR CROSS RUNS IN FULL HEIGHT PARTITIONS AND WALLS NOT PERMITTED.

SEPARATE RACEWAYS FRO CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS.

BOXES: PROVIDE BARRIERS BETWEEN EMERGENCY AND NORMAL WIRING.

RUN ALL CONDUIT CONCEALED IN FINISHED AREAS, UNLESS INDICATED ON THE DRAWINGS.

CONNECT RACEWAY TO MOTOR TERMINAL BOXES WITH FLEXIBLE CONDUIT; MINIMUM 18 INCHES IN LENGTH AND 50% SLACK. DO NOT TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATION

CONDUITS ROUTED TO ROOF SHALL BE ROUTED ALONG MECHANICAL PIPING RUNS AND SHALL BE AS APPROVED BY BUILDING OWNER.

INDICATE, USING MARKING PEN, PANEL BOARD AND CIRCUIT DESIGNATIONS ON ALL CONDUIT HOMERUNS AND JUNCTION BOXES.

CONDUCTORS

CONDUCTORS SHALL BE COPPER, SIZES AS INDICATED ON DRAWINGS AND SHALL NOT BE LESS THAN #12 AWG. ALL #8 AWG WIRE AND LARGER SHALL BE STRANDED, ALL #10 AWG WIRE AND SMALLER SHALL BE SOLID. VOLTAGE RATING OF INSULATION SHALL BE 600 VOLTS.

TYPE THHN/THWN INSULATION SHALL BE USED FOR ALL BRANCH CIRCUIT WIRING. THE AMPACITIES OF THHN WIRE SHALL BE BASED ON THE ALLOWABLE AMPACITIES OF TWO WIRE. FEEDER CABLES INSULATION AS APPROVED.

RECESSED LIGHTING FIXTURES IN HUNG CEILING SHALL BE SUPPLIED WITH TYPE "AF" INSULATED WIRE IN FLEXIBLE METALLIC CONDUIT, IN LENGTHS NOT EXCEEDING 6 FEET, FROM ADJACENT JUNCTION BOXES.

FACTORY COLOR CODING FOR WIRE AND CABLE SHALL BE AS FOLLOWS: 480Y/277 - BROWN, ORANGE, YELLOW, GRAY, , FOR PHASES A, B, C AND NEUTRAL, RESPECTIVELY. 120/208v - BLACK, RED, BLUE, WHITE, FOR PHASES A, B, C AND NEUTRAL, RESPECTIVELY. 120/240v - BLACK, RED, WHITE, FOR PHASES A, B, AND NEUTRAL, RESPECTIVELY.

GROUND WIRES SHALL BE GREEN.

WIRE COLOR CODING: WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION FOR OVERLAP COLOR TAPING CONDUCTORS (MINIMUM LENGTHS 6") IN ACCESSIBLE LOCATIONS. COLOR CODING, ONCE SELECTED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT.

LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS, IN RACEWAY OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED, FURNISH FISH WIRE.

PULL NO THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32°F (0°C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUIT AS REQUIRED BY CODE

LIGHTING AND POWER WIRING FOR CIRCUITS LESS THAN 100 FEET SHALL BE #12 AWG, UNLESS NOTED, WIRE SIZES SHALL BE #10 FOR CIRCUITS GREATER THAN 100 FEET. NOT MORE THAN (3) LIGHTING OR CONVENIENCE OUTLET CIRCUITS IN ONE CONDUIT UNLESS OTHERWISE NOTED.

ALL WIRES SHALL BE IDENTIFIED BY CIRCUIT NUMBERS IN ALL CABINETS, BOXES, WIRING TROUGH, OTHER ENCLOSURES, AT ALL SPLICES, TERMINATION POINTS, ETC.

OUTLET, JUNCTION AND PULL BOXES

ALL OUTLET BOXES SHALL BE CODE GAUGE, HOT DIPPED GALVANIZED STAMPED STEEL.

OUTLET BOXES FOR RECEPTACLES AND SWITCHES IN DRY WALL PARTITION SHALL BE 4" SQUARE, BY 1-1/2" MINIMUM DEPTH AND SHALL BE FITTED WITH SQUARE CORNERED DEVICE COVERS AND DEPTH EQUAL TO THE DRY WALL THICKNESS, SECTIONAL BOXES ARE NOT ACCEPTABLE.

JUNCTION AND PULL BOXES: LOCATE GENERALLY NOT EXPOSED IN FINISHED SPACE. WHERE NECESSARY, RE-ROUTE RACEWAY OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES AS INDICATED AND WHERE EVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATIONS WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE FOR EMPTY RACEWAY RUN PROVIDED PULL BOXES EVERY 100 FEET AND AS INDICATED. COORDINATED LOCATIONS WITH OTHER TRADES.

SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.

LOCATIONS INDICATED FOR ALL LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS. AT OR NEAR DOORS INSTALL SWITCH, IN SIDE OPPOSITE HINGE, VERIFY FINAL DOOR HINGE LOCATION ON FIELD PRIOR TO SWITCH OUTLET INSTALLATION.

LOCATION INDICATED FOR LOCAL WALL SWITCHES, CONTROLLERS, EMERGENCY PUSH BUTTONS, RECEPTACLE, ETC. ARE SUBJECT TO MODIFICATIONS.

HEIGHTS OF OUTLET FROM FINISHED FLOOR TO CENTERLINE OF OUTLETS, AS PER ARCHITECTURAL DRAWINGS. EXCEPTIONS: AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS, MOLDING OR BREAK IN WALL SURFACE IN VIOLATION OF CODE REQUIREMENTS.

OFFSET BACK-TO-BACK OUTLETS. THROUGH THE WALL TYPE, NOT PERMITTED.

GROUNDING

GROUND ALL CONDUITS, CABINETS, MOTORS, PANELS, AND OTHER EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ALL PROVISIONS OF THE NATIONAL ELECTRICAL CODE, OR LOCAL CODES THAT MAY APPLY.

PROVIDE INSULATED GROUNDING CONDUCTORS IN ALL CONDUITS. GROUND WIRE TO BE SIZED IN ACCORDANCE WITH N.E.C. ARTICLE 250.122.

SUPPORTS

SECURE ALL SUPPORTS TO BUILDING STRUCTURE AS REQUIRED. DO NOT SUPPORT FROM CEILING HANGERS. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FEET APART. SUPPORT RACEWAY RISERS AT EACH FLOOR LEVEL. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALL.

SUPPORT PANEL, JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAY.

ALL ANCHORS, FASTENERS, CLAMPS, ETC., SHALL BE MADE OF STEEL AND SHALL NOT CONTAIN ANY LEAD, WOOD, PLASTIC, ETC.

SLEEVES

PROVIDE WATERPROOF SLEEVES, AS APPROVED FOR ROOF, FLOOR AND WALL PENETRATIONS. ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR PARTITIONS SHALL BE SEALED TO PREVENT THE SPREAD OF SMOKE AND FIRE THROUGH THEM. THE FIRE RATING OF THE PENETRATION SEAL SHALL BE AT LEAST THAT OF THE FLOOR OR WALL INTO WHICH IT IS INSTALLED BY ARTICLE 300.21 OF THE

NATIONAL ELECTRICAL CODE.

THE FOAM SEALANT SHALL MEET ALL OF THE FIRE TEST AND HOSE STREAM TEST REQUIREMENTS OF ASTM E-119-73 AND SHALL BE U.L. CLASSIFIED AS A WALL OPENING PROTECTIVE DEVICE, AS MANUFACTURED BY CHASE TECHNOLOGY CORPORATION.

HVAC CONTROLS

MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL CONTROL WIRING INCLUDING CONDUITS, RELAYS, TIME CLOCK, CONTROL TRANSFORMERS, ETC., FOR ALL HVAC EQUIPMENT, UNLESS OTHERWISE NOTED.

ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ONLY POWER WIRING WITH DISCONNECTS, AS SHOWN IN ELECTRICAL DRAWINGS.

TEST AND GUARANTEES

UPON COMPLETION OF ALL ELECTRICAL WORK, CONTRACTOR SHALL TEST FOR GROUNDS AND SHORTS, TO INSURE PROPER OPERATION OF ELECTRICAL EQUIPMENT. REPAIR OR REPLACE FAULTY EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.

GUARANTEE FOR ONE YEAR AFTER FINAL ACCEPTANCE BY OWNER OF ALL WORKMANSHIP AND MATERIALS FURNISHED.

LOAD BALANCING

ELECTRICAL CONTRACTOR SHALL BALANCE THE LOAD WITH AMPROBE ON ALL PANELS, SUBSEQUENT TO COMPLETION OF INSTALLATION, WITH ALL EQUIPMENT OPERATING SIMULTANEOUSLY. ELECTRICAL CONTRACTOR SHALL SUBMIT LOAD BALANCING REPORT TO PROJECT MANAGER FOR APPROVAL.

RENOVATION AND DEMOLITION WORK - ADDITIONAL REQUIREMENTS:

THE EXISTING INSTALLATION IS TO REMAIN IN PLACE AND IN OPERATION, EXCEPT AS OTHERWISE INDICATED OR SPECIFIED. WORK SHALL BE PROVIDED AS NECESSARY TO TIE-IN THE NEW INSTALLATION WITH THE EXISTING INSTALLATION, AND TO ADAPT THE EXISTING INSTALLATION TO CHANGES IN SYSTEMS OR BUILDING.

ANY NECESSARY TEMPORARY CONNECTION OR SERVICE SHALL BE PROVIDED AND PERFORMED IN SUCH MANNER AS TO MAINTAIN OPERATION IN ALL BUILDING AREAS. SYSTEMS OR MATERIALS WHICH ARE TO REMAIN IN SERVICE, BUT ARE TEMPORARILY DISCONNECTED, SHALL BE RECONNECTED AND RESTORED TO THEIR ORIGINAL OPERATING CONDITION.

THE RATINGS, LOCATION AND USAGE OF ANY EXISTING MATERIAL (ELECTRICAL CIRCUIT, ETC.) SHOWN BY THE PLANS OR INVOLVED IN THE WORK SHALL BE VERIFIED AT THE SITE.

BEFORE USING OR ADDING TO ANY EXISTING ELECTRICAL CIRCUIT, CHECK THE RELATED EXISTING CIRCUIT CAPACITY, AND DO NOT MAKE ANY CONNECTION THAT WOULD OVERLOAD ANY CIRCUIT OR IMPROPERLY USE ANY EXISTING CIRCUIT. BEFORE REMOVING ANY EXISTING CIRCUIT, CHECK ALL CONNECTED LOADS TO ASSURE THAT THERE ARE NO UNKNOWN EXISTING LOADS THAT SHOULD REMAIN CONNECTED - DO NOT REMOVE ANY EXISTING CIRCUIT WHERE EXISTING LOADS TO REMAIN WOULD BE PERMANENTLY DISCONNECTED. MAKE A FIELD SURVEY OF ANY SUCH INADEQUATE CONDITION, AND PROVIDE INFORMATION TO THE ENGINEER IN DETAIL AND IN A TIMELY MANNER SO THAT NECESSARY REDESIGN MAY BE ACCOMPLISHED BY THE ENGINEER.

EXPOSED WIRING RENDERED USELESS DUE TO CHANGES IN THE BUILDING SHALL BE REMOVED. CONCEALED WIRING AND CONTROLS EXPOSED BY THE REMOVAL OF WALLS, PARTITIONS, ETC., SHALL BE REMOVED OR RELOCATED AND RECONNECTED AS NECESSARY. OTHER MATERIALS SHALL BE REMOVED AS NECESSARY OR INDICATED.

MATERIALS TO BE RELOCATED OR SALVAGED SHALL BE DISCONNECTED AND DEMOUNTED WITHOUT DAMAGE. DEMOUNTED MATERIALS SHALL BE STORED AT THE JOB SITE UNDER THE BEST CONDITIONS PRACTICAL. MATERIALS TO REMAIN IN PLACE WHILE WORK IS IN PROGRESS SHALL BE DISCONNECTED IF NECESSARY TO FUNCTION OR SAFETY, AND PROTECTED BY SUITABLE MEANS.

ELECTRICAL CABLE OR CONDUCTORS DAMAGED OR REMOVED FROM RACEWAYS SHALL NOT BE REUSED.

ELECTRICAL CONDUCTORS SHALL BE COLOR CODED AS REQUIRED BY CODE AND CONSISTENT WITH COLOR CODING FOR EXISTING FACILITY SYSTEMS.

WORK SHALL BE PERFORMED WITHIN THE ACCESS, PROPRIETARY, SECURITY, AND HOUSEKEEPING CONDITIONS SPECIFIED HEREIN OR BY OTHER DIVISIONS OR SECTIONS OF THE SPECIFICATIONS, OR AS CALLED FOR BY INSTRUCTIONS TO BIDDERS OR BY OWNER'S CRITERIA.

NOTIFY THE OWNER'S REPRESENTATIVE OF ANY NONFUNCTIONING MATERIAL OR POTENTIALLY UNSAFE CONDITION WITHIN THE EXISTING AND INVOLVED SYSTEMS THAT IS OBSERVED DURING THE CONDUCT OF THE WORK. PROPOSALS FOR THIS WORK SHALL BE BASED UPON EXAMINATION OF THE SITE AND CONDITIONS THEREON AND/OR THEREIN. PROPOSALS SHALL TAKE INTO CONSIDERATION SAID CONDITIONS WHICH MAY AFFECT WORK COVERED BY THIS SPECIFICATION.

COORDINATE WITH THE OWNER OR DESIGNATED OWNER'S REPRESENTATIVE TO LEARN OF ANY HAZARDOUS CONDITION OR MATERIAL THAT MAY EXIST AT THE SITE.

FIRE ALARM SYSTEM

EXISTING FIRE ALARM EQUIPMENT (PULL STATION, SMOKE DETECTORS, WARDEN STATIONS, ETC.) SHALL REMAIN OR RELOCATE TO NEARBY LOCATIONS TO ACCOMMODATE NEW CONDITIONS. ALL WORK SHALL BE COORDINATED WITH BUILDING AUTHORITIES. FINAL CONNECTIONS TO BUILDING FIRE ALARM SYSTEM TO BE DONE BY BUILDING APPROVED CONTRACTOR. INSTALL NEW FIRE ALARM DEVICES AS INDICATED ON FLOOR PLANS.

THE BASE BUILDING FIRE ALARM CONTROL PANEL SHALL BE UPGRADED AS REQUIRED TO HANDLE THE NEW VISUAL ALARM SIGNAL DEVICES SHOWN ON THE PLANS. UPGRADE EXISTING BUILDING SYSTEM AS REQUIRED INCLUDING (BUT NOT LIMITED TO) NEW POWER SUPPLIES, BATTERIES, AMPLIFIERS, CABINETS, ZONE MODULES, ETC.PROVIDE NEW VOICE EVACUATION SYSTEM AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.

ALL WORK AFFECTING THE EXISTING BUILDING ALARM SYSTEM MUST BE PERFORMED IN STRICT ACCORDANCE WITH BUILDING RULES AND REGULATIONS. ALL DEVICES SHALL MEET A.D.A. CRITERIA. REPLACE EXISTING DEVICES IF THEY DO NOT MEET A.D.A. CRITERIA.

CONTRACTOR SHALL SUBMIT COMPLETE DOCUMENTATION SHOWING THE TYPE, SIZE, RATING, STYLE, CATALOG NUMBER, MANUFACTURERS' NAMES, PHOTOS, AND/OR CATALOG DATA SHEETS FOR ALL ITEMS TO ENSURE COMPLIANCE WITH THESE SPECIFICATIONS.

ONLY EQUIPMENT DEVICES HAVE BEEN SHOWN ON THE CONTRACT DRAWINGS. ANY SPECIFIC WIRING BETWEEN EQUIPMENT SHOWN IS NOT FOR CONSTRUCTION PURPOSES. CONTRACTOR SHALL SUBMIT FOR APPROVAL THE COMPLETE LAYOUT OF THE ENTIRE SYSTEM, SHOWING WIRING AND ALL EQUIPMENT.

SUBMITTALS

MANUFACTURER'S



RICHARD
WITTSCHIEBE
HAND

15 Simpson Street
Atlanta, Georgia 30308
V 404.888.2200
F 404.888.9400
www.rwhdesign.com



1708 Peachtree St.
Suite 210
Atlanta, GA 30309
404/355-0334 main
404/835-1118 fax

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FIRST FLOOR
RENOVATIONS TO
LOCUST GROVE CITY HALL
3644 GA 42 LOCUST GROVE, GEORGIA 30248

REVISIONS

NO.	DESCRIPTION

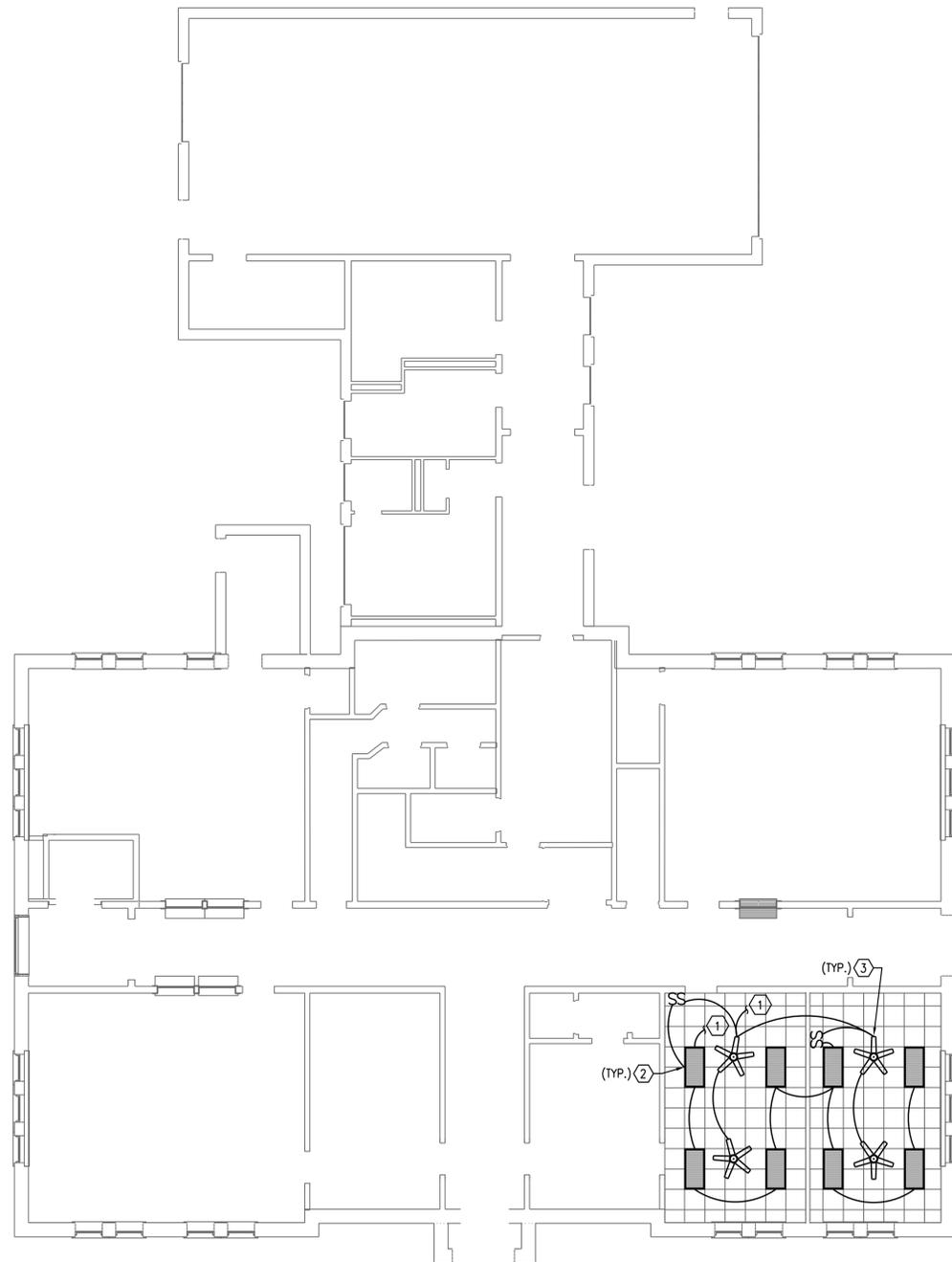
ELECTRICAL
FIRST FLOOR
LIGHTING PLAN

JOB NUMBER
201214

DATE
04/08/13

SHEET NUMBER

E1



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

GENERAL NOTES (APPLY TO THIS SHEET ONLY)

- CONTRACTOR SHALL VERIFY EXISTING PANEL LOADS BY PLACING A RECORDING AMMETER ON PANELS SERVING NEW CIRCUITS AS REQUIRED BY NEC 220.87.

KEY NOTES (APPLY TO THIS SHEET ONLY)

- CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING THE AREA.
- REPLACE EXISTING 2x4 FLUORESCENT LIGHT WITH NEW FIXTURE PROVIDED BY CONTRACTOR. 96W MAXIMUM.
- CONTRACTOR PROVIDED CEILING FAN WITHOUT LIGHT KIT.