JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT

JACKSON COUNTY GOVERNMENT
500 Sky Harbor Way, Jefferson, GA 30549

CONSTRUCTION DOCUMENTS

GOODWYN MILLS CAWOOD, LLC	ARCHITECTURE, INTERIORS, CIVIL, ELECTRICAL, LANDSCAPE
PES STRUCTURAL ENGINEERS	STRUCTURAL ENGINEERING
MATHESON BALL AND ASSOCIATES	MECHANICAL & PLUMBING ENGINEERING

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE | DATE
CONSTRUCTION DOCUMENTS | 1/29/24

DRAWN BY: KP
CHECKED BY: MN

JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

TITLE SHEET

T1

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GENERAL NOTES

THE GENERAL NOTES BELOW ARE INTENDED TO COMPLEMENT, RATHER THAN REPLACE, REQUIREMENTS PUT FORTH BY THE PROJECT SPECIFICATIONS. SHOULD A DISCREPANCY BE FOUND BETWEEN THESE GENERAL NOTES AND THE PROJECT SPECIFICATIONS THE GC SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING.

A DIVISION 1 - GENERAL REQUIREMENTS

1.01. **COMPLETE CONTRACT DOCUMENTS:** COMPLETE DRAWINGS, SPECIFICATIONS, ADDENDA, AND CLARIFICATIONS ISSUED BY FIELD ORDER OR SIMILAR INSTRUMENTS CONSTITUTE THE CONTRACT DOCUMENTS AND SHALL REMAIN INTACT. GENERAL CONTRACTOR IS FULLY RESPONSIBLE FOR COMPLIANCE WITH THE REQUIREMENTS INCLUDED, OR REASONABLY INFERRED THEREIN. CONSTRUCTION MANAGER OR GENERAL CONTRACTOR (AS APPLICABLE) MUST NOT ISSUE PARTIAL SETS OR OTHERWISE CAUSE INCOMPLETE CONTRACT INFORMATION TO BE PROVIDED TO PARTIES TO THE CONTRACT, INCLUDING ASSOCIATED SUB-CONTRACTORS, OR SUB-SUB-CONTRACTORS.

1.02. **MULTI-TRADE COORDINATION:** ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES TO AVOID INTERFERENCES AND CONFLICTS. NO ALLOWANCES WILL BE MADE FOR CONTRACTOR'S FAILURE TO COORDINATE BETWEEN MULTIPLE DISCIPLINES, SYSTEMS OR EQUIPMENT. UNCOORDINATED WORK THAT RESULTS IN THE INEFFICIENT USE OF AVAILABLE SPACE AND/OR ENCROACHES ON THE WORK OF OTHER TRADES WILL BE SUBJECT TO REJECTION AND RE-INSTALLATION.

1.03. **VERIFICATION:** GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, CONSTRUCTION, MATERIALS, METHODS OF CONSTRUCTION, GRADES AND ELEVATIONS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS WITHIN THE DOCUMENTS PRIOR TO BID, CONSTRUCTION, AND/OR INSTALLATION OF ASSOCIATED WORK. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE THAT THE EXISTING CONDITIONS ARE CONSISTENT WITH THOSE OF THE CONTRACT DOCUMENTS. ANY CHANGE ORDER REQUEST ASSOCIATED WITH AN IDENTIFIABLE EXISTING CONDITION, WHETHER IN CONFLICT OR COMPLIANCE WITH THE CONTRACT DOCUMENTS, WILL NOT BE ACCEPTED. THIS PROVISION SHALL NOT APPLY TO WORK PERFORMED UNDER UNIT PRICE OR ALLOWANCE FEE STRUCTURES.

1.04. **DISCREPANCIES:** GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT PROMPTLY UPON IDENTIFICATION OF ANY DISCREPANCIES OR CONFLICTS IN THE CONTRACT DOCUMENTS, WITH THE OBJECTIVE OF RESOLVING THE CONFLICT OR DISCREPANCY IN A TIMELY MANNER AND PRIOR TO ANY IMPACT TO CONTRACT TIME OR CONTRACT COST. GENERAL CONTRACTOR SHALL INCLUDE THE MORE EXPENSIVE, COMPLEX, AND TIME CONSUMING COMPONENTS OF ANY DISCREPANCIES IN THE BASE BID PRICE. FAILURE TO NOTIFY THE ARCHITECT PROMPTLY OF A KNOWN DISCREPANCY CONSTITUTES ACCEPTANCE OF FULL RESPONSIBILITY FOR THE ASSOCIATED COST AND SCHEDULE IMPACT.

1.05. **DRAWING SCALE:** REPROGRAPHIC TECHNIQUES MAY RENDER DRAWINGS DIFFERENTLY THAN THE INTENDED PRINTED SCALE. THEREFORE, DO NOT RELY UPON THE SCALE OF ANY PRINTED DRAWINGS. CONTACT THE ARCHITECT FOR REQUIRED DIMENSIONS THAT ARE NOT PROVIDED CLEARLY IN NUMERIC FORM HEREIN. FAILURE TO REQUEST CRITICAL DIMENSIONAL INFORMATION FROM THE ARCHITECT MAY RESULT IN THE REJECTION OF INSTALLED WORK.

1.06. **DIMENSIONAL STANDARDS:** STANDARD DIMENSION CONVENTIONS UTILIZED HEREIN CALL FOR DIMENSIONS TO FACE OF STUD (MASONRY) OF FINISHED PARTITION, FACE OF FINISH, OR CENTERLINE OF COLUMN LINE OR OTHER REFERENCE LINE, UNLESS OTHERWISE NOTED OR GRAPHICALLY ILLUSTRATED. DIMENSIONS NOTED AS “CLEAR”, “MIN”, OR “MAX” SHALL BE STRICTLY ENFORCED.

1.07. {PM SOFTWARE}

1.08. **PERMITTING:** THE GENERAL CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY AND REQUIRED PERMITS AND APPROVALS FROM JURISDICTIONAL AUTHORITIES, PRIOR TO COMMENCING THE WORK. THIS REQUIREMENT SHALL APPLY TO ON-SITE AND OFF-SITE WORK REQUIRED BY THE CONTRACT DOCUMENTS.

1.09. **CODE COMPLIANCE:** THE WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE LAWS, CODES, AND ORDINANCE. THE GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL PERFORM THEIR WORK IN COMPLIANCE WITH ALL APPLICABLE BUILDING CODES, LAWS, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL CAREFULLY READ AND FAMILIARIZE THEMSELVES WITH THE CODE COMPLIANCE DATA INCLUDED IN THE DRAWINGS AND SPECIFICATIONS.

1.10. **NON-COMBUSTIBLE CONSTRUCTION TYPES:** THE PROPOSED BUILDING STRUCTURE IS NON-COMBUSTIBLE IN ACCORDANCE WITH APPLICABLE CODES, AND THEREFORE REQUIRES NON-COMBUSTIBLE CONSTRUCTION TECHNIQUES. ALL NEW CONSTRUCTION SHALL BE IN COMPLIANCE WITH APPLICABLE REQUIREMENTS, INCLUDING WOOD BLOCKING, FURRING, FRAMING, SHEATHING, BACK-BOARDS, AND RELATED WORK. FIRE RETARDANT TREATED [FRT] IS PERMITTED WHERE ALLOWED BY CODE. SEE CODE COMPLIANCE DRAWINGS FOR DETAILED INFORMATION AND REQUIREMENTS.

1.11. **TEMPORARY GUARDS:** THE GENERAL CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY GUARDS AT ALL SLAB EDGES, PIT EDGES, ELEVATED PLATFORM EDGES, AND SIMILAR CONDITIONS WHERE REQUIRED BY OSHA, ANY APPLICABLE CODE OR ORDINANCE, AND AT MINIMUM ALL CHANGES IN ELEVATION IN EXCESS OF THIRTY INCHES (30”) INCLUDING BOTH SIDES OF STAIRS AND LADDERS. TEMPORARY GUARDS MUST BE MAINTAINED UNTIL THE PERMANENT GUARDS ARE INSTALLED.

1.12. **LIFE-SAFETY MEASURES DURING CONSTRUCTION:** THE GENERAL CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS REQUIRED BY OSHA, CODE, AND OTHER APPLICABLE REGULATORY AUTHORITIES.

1.13. **MEANS OF EGRESS:** THE GENERAL CONTRACTOR SHALL MAINTAIN CLEAR AND UNOBSTRUCTED MEANS OF EGRESS AT ALL TIMES DURING CONSTRUCTION, WITHOUT EXCEPTION.

1.14. **CONSTRUCTION LOADS:** THE GENERAL CONTRACTOR SHALL NEVER LOAD NEW OR EXISTING CONSTRUCTION BEYOND ITS DESIGN CAPACITY WITH STORED MATERIAL, CONSTRUCTION EQUIPMENT, TEMPORARY LOADS ASSOCIATED WITH MATERIAL MOVEMENT, HOISTING, STORAGE, OR SIMILAR CONDITIONS.

1.15. **GENERAL CLEAN-UP:** THE GENERAL CONTRACTOR SHALL INCLUDE ONGOING CLEAN-UP OF THE PROPERTY AND BUILDING, INCLUDING REMOVAL OF TRASH AND WASTE MATERIALS, ON A REGULAR BASIS DURING CONSTRUCTION. RECYCLING OF CONSTRUCTION WASTE IS ENCOURAGED.

1.16. **OWNER FURNISHED EQUIPMENT:** LOOSE FURNISHINGS, WORKSTATIONS, OFFICE EQUIPMENT, COPIERS, VENDING MACHINES, KITCHEN EQUIPMENT, AND SIMILAR ITEMS THAT ARE BOTH LABELED “OWNER FURNISHED” OR “OF/OI”, AND SHOWN DASHED OR IN GRAY-TONE SHALL BE CONSIDERED OWNER-FURNISHED EQUIPMENT. OWNER-FURNISHED EQUIPMENT IS SHOWN FOR THE GENERAL CONTRACTOR’S KNOWLEDGE AND UNDERSTANDING TO FACILITATE COORDINATION WITH THE OWNER’S WORK. THE GENERAL CONTRACTOR SHALL CAREFULLY REVIEW THE SCOPE OF WORK, AND REQUEST CLARIFICATION FROM THE ARCHITECT IN THE EVENT OF ANY UNCERTAINTY ABOUT THE DEFINITION OF OWNER FURNISHED WORK.

1.17. **TEMPORARY BRACING:** PRIOR TO REMOVAL OF ANY EXISTING STRUCTURAL ELEMENTS, THE GENERAL CONTRACTOR SHALL TEMPORARILY SHORE AND/OR BRACE EXISTING CONSTRUCTION TO REMAIN AS REQUIRED TO SUPPORT EXISTING LOADS AND/OR LOADS IMPOSED DURING CONSTRUCTION. FURTHER, THE GENERAL CONTRACTOR SHALL DESIGN, INSTALL AND MAINTAIN ANY TEMPORARY BRACING OR SUPPORT FRAMING REQUIRED TO SUPPORT NEW CONSTRUCTION COMPONENTS WHICH ARE NOT FULLY SECURED IN A COMPLETE STRUCTURAL ASSEMBLY, OR ARE OTHERWISE SUBJECTED TO LOADS IN EXCESS OF THE POST-CONSTRUCTION LOADS FOR WHICH THE ELEMENT IS DESIGNED.

B DIVISION 2 - EXISTING CONDITIONS

2.01. **POSITIVE DRAINAGE AT BUILDING:** SLOPE EXTERIOR GRADE AWAY FROM THE BUILDING IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.

2.02. **SITE PAVING EXPANSION AND CONTROL JOINTS:** WHETHER SPECIFICALLY INDICATED OR NOT, PROVIDE CONTROL JOINTS IN ALL SITE CONCRETE PAVING FOR PEDESTRIAN TRAFFIC AT AN INTERVAL OF NO MORE THAN FIVE FEET (5’) EACH WAY. IN ADDITION, PROVIDE CONTROL JOINTS AT NO MORE THAN THIRTY FOOT (30’) INTERVAL, EACH WAY. ALL EXPANSION JOINTS, INCLUDING THOSE BETWEEN HORIZONTAL PAVING AND VERTICAL ABUTMENTS, SHALL RECEIVE SPECIFIED JOINT FILLER, AS SPECIFIED IN SECTION 079000.

C DIVISION 3 - CONCRETE

3.01. **SLAB-ON-GRADE:** SEE SPECIFICATION SECTION 033000 FOR DETAILED REQUIREMENTS OF SLAB-ON-GRADE CONSTRUCTION, INCLUDING REQUIREMENTS FOR REINFORCING, CONCRETE ADMIXTURES, VAPOR BARRIER, AND SURFACE TREATMENTS [IF ANY]. ALL SLAB-ON-GRADE CONSTRUCTION SHALL BE INSTALLED OVER MINIMUM FOUR INCH (4”) THICK COMPACTED POROUS DRAINAGE LAYER UNLESS NOTED OTHERWISE.

3.02. **SLAB EXPANSION AND CONTROL JOINTS:** SEE STRUCTURAL DRAWINGS FOR REQUIRED SLAB EXPANSION AND CONTROL JOINTS. ALL EXPANSION JOINTS AND CONTROL JOINTS IN FLOOR SLABS, AND BETWEEN FLOOR SLABS AND VERTICAL ABUTMENTS SHALL RECEIVE TRAFFIC BEARING SEALANT JOINT MATERIAL.

3.03. **CORE DRILLING - FLOOR SLABS:** THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF THE LOCATION AND DIMENSION OF ANY PROPOSED CORES THROUGH STRUCTURAL FLOOR SLABS, PRIOR TO COMMENCING CORING ACTIVITIES. CORE DRILLING IS STRICTLY PROHIBITED (SLEEVES ONLY) IN ANY POST-TENSIONED STRUCTURED FLOOR SLAB ASSEMBLIES.

3.04. **FLOOR LOADING DURING CONSTRUCTION:** NO LOADS EXCEEDING THE SPECIFIED FLOOR LIVE LOAD INCLUDING CONSTRUCTION EQUIPMENT OR LIFTS SHALL BE PLACED ON THE ELEVATED SLABS WITHOUT REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER. ANY REQUESTS SHALL BE MADE IN WRITING BY THE GENERAL CONTRACTOR INCLUDING CUT SHEETS AND PROPOSED LOADING CRITERIA. DO NOT PROCEED UNTIL WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER HAS BEEN PROVIDED.

D DIVISION 4 - MASONRY

4.01. **SEAL VENEER ANCHORS:** ALL EXTERIOR VENEER SYSTEM ANCHORS SHALL BE SET IN FULL, FRESH BED OF TROWEL GRADE AIR/MOISTURE BARRIER COATING, OR DOW 795 OR EQUIVALENT AT THE PLANE OF THE AIR/ MOISTURE BARRIER.

E DIVISION 5 - METALS

5.01. **EMBEDDED STEEL:** ALL MISCELLANEOUS STEEL ITEMS INCLUDING STEEL EDGE ANGLES, EMBEDDED PLATE, AND SIMILAR WORK SHALL BE HOT-DIPPED GALVANIZED. THIS PROVISION DOES NOT APPLY TO REINFORCING STEEL, WHICH SHALL COMPLY WITH SPECIFICATION DIVISION 033000.

F DIVISION 6 - WOOD,PLASTICS & COMPOSITES

6.01. **WOOD IN CONTACT WITH CONCRETE/ MASONRY:** ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY CONSTRUCTION SHALL BE PRESSURE TREATED [PT] UNLESS OTHERWISE NOTED TO BE FIRE RETARDANT TREATED [FRT].

6.02. **FIELD VERIFICATION:** THE CASEWORK OR MILLWORK CONTRACTOR SHALL OBTAIN AND VERIFY ALL FIELD MEASUREMENTS AND CONDITIONS AFFECTING HIS WORK AND SHALL BE RESPONSIBLE FOR ALL DETAILS AND DIMENSIONS ASSURING PRECISION AND PROPER ASSEMBLY OF HIS PRODUCTS.

6.03. **MILLWORK BASE:** PROVIDE FINISHED BASE TO MATCH MATERIAL AND FINISH OF ADJACENT SCHEDULED WALL BASE, AT TOE-KICK AT ALL EXPOSED FRONT, SIDE, AND REAR FACES OF MILLWORK OR CASEWORK.

6.04. **MILLWORK SPLASH:** PROVIDE BACKSPLASH AT ALL COUNTERTOPS UNLESS OTHERWISE INDICATED ON PLAN. PROVIDE SIDESPLASH OF SAME MATERIAL, DIMENSION, AND FINISH EVERYWHERE A COUNTERTOP BACKSPLASH ABUTS A VERTICAL WALL SURFACE AT ONE OR MORE OF ITS SIDES UNLESS OTHERWISE INDICATED ON PLAN.

G DIVISION 7 - THERMAL & MOISTURE PROTECTION

7.01. **GENERAL SEALANTS:** CONTINUOUSLY SEAL PERIMETER OF ALL DOOR AND WINDOW FRAMES, MILLWORK AND CASEWORK, TRIM, CABINETS, AND SIMILAR FIXED CONSTRUCTION WITH PAINTABLE, SILICONIZED LATEX SEALANT. ALL VERTICAL SURFACE CONTROL AND EXPANSION JOINTS AT MASONRY WALLS SHALL BE CONTINUOUSLY SEALED, BOTH SIDES OF JOINT.

7.02. **SLOPE TO DRAIN:** ALL ROOF SURFACES SHALL BE SLOPED TO DRAIN, WITH MINIMUM PITCH OF ¼” PER LINEAR FOOT. PROVIDE TAPERED INSULATION, CRICKETS AS NECESSARY TO ASSURE THE MINIMUM SLOPE IS ACHIEVED.

7.03. **WALK-PADS:** FURNISH AND INSTALL COMPATIBLE ROOF WALK-PADS AT ALL MEMBRANE ROOF SURFACES THAT ARE TRAVELED TO ACCESS SERVICEABLE ROOFTOP EQUIPMENT SUCH AS HVAC UNITS, FANS, ELECTRICAL EQUIPMENT, AND SIMILAR EQUIPMENT REQUIRING SERVICE ACCESS.

7.04. **EXPANSION JOINTS COVERS:** ALL BUILDING EXPANSION JOINTS EXPOSED TO VIEW IN FLOOR, PARTITION, AND/ OR CEILING ASSEMBLIES SHALL RECEIVE COLOR-COORDINATED PRE-FABRICATED EXPANSION JOINT COVER ASSEMBLY DESIGNED TO ALLOW THE REQUIRED MOVEMENT, AND TO PROVIDE UL APPROVED FIRE RATED ASSEMBLY WHERE REQUIRED.

H DIVISION 8 - OPENINGS

8.01. **LABELED FIRE-RATED DOORS AND FRAMES:** ALL FIRE DOORS AND FRAMES SHALL BE LABELED BY AN APPROVED AGENCY PER NFPA 80, AND SHALL BE PERMANENTLY AFFIXED THERETO, AND THE LIFE OF THE LABEL AND THE ATTACHMENT THEREOF CAN REASONABLY BE EXPECTED TO EQUAL THE LIFE OF THE COMPONENT TO WHICH IT IS ATTACHED. LABELS MUST BE PROVIDED BY A MANUFACTURER THAT HAS BEEN APPROVED BY A LABORATORY OR ORGANIZATION TO PROVIDE TESTING AND FOLLOW-UP SERVICES FOR FIRE-RATED OPENING ASSEMBLIES. ALL LABELS SHALL INCLUDE THE FIRE RESISTANCE RATING IN HOURS AND/OR MINUTES. LABELS ON FRAMES WITH TRANSOMS AND/OR SIDELIGHTS MUST IDENTIFY THAT THE OPENING ASSEMBLY INCLUDES SAME.

- (A) LABELS SHALL BE RAISED OR EMBOSSED ON METAL LABELS.
- (B) PLASTIC OR PAPER LABELS ARE UNACCEPTABLE.
- (C) LABELS MUST BE VISIBLE AND LEGIBLE AT ALL TIMES AND SHALL NOT BE PAINTED.
    1. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL REQUIRE PAINTER TO REIMBURSE OWNER FOR COSTS OF RE-LABELING RATED DOORS AND FRAMES.

8.02 **FIRE-RATED CERAMIC GLAZING:** AT FIRE-RATED DOORS, SIDELITES, AND TRANSOMS, PROVIDE FIRE-RATED CERAMIC GLAZING AT ANY VISION PANEL THAT EXCEEDS THE MAXIMUM ALLOWABLE GLASS SIZE PER IBC TABLE 716.5 (IBC 2015) *or* 716.1(2) (IBC 2018) AS APPLICABLE. SEE SPECIFICATION SECTION 08 8000 GLAZING FOR CERAMIC GLAZING.

8.03. **TEMPERED GLASS:** PROVIDE TEMPERED SAFETY GLASS EVERYWHERE REQUIRED BY APPLICABLE CODE, INCLUDING ANY GLASS IN DOORS, OPERABLE WINDOWS, ADJACENT TO DOORS OR OPERABLE WINDOWS, WITHIN 36” OF THE ADJACENT FLOOR OR GRADE LEVEL, OR OTHERWISE WHERE REQUIRED BY CODE.

8.04. **BLOCKING:** FURNISH AND INSTALL BLOCKING IN METAL STUD FRAMED WALLS AND PARTITIONS THAT ARE SCHEDULED TO RECEIVE DOOR BUMPERS/ STOPS, MAGNETIC LOCK DEVICES, AND SIMILAR DOOR RELATED DEVICES THAT WILL SUBJECT THE PARTITION TO DOOR MOVEMENT LOADS AND IMPACT.

8.05. **HOLLOW METAL FRAMES:** COORDINATE THE THROAT DEPTH OF ALL HOLLOW METAL FRAMES WITH THE DEPTH OF THE PARTITION SCHEDULED TO RECEIVE THE DOOR OR WINDOW FRAME.

I DIVISION 9 - FINISHES

9.01. **INDOOR ENVIRONMENTAL CONDITIONS:** NO INTERIOR SOFT CONSTRUCTION [IE. DRYWALL, CEILINGS, CARPET, MILLWORK, OR SIMILAR WORK THAT IS SUBJECT TO TEMPERATURE AND HUMIDITY INSTABILITY] SHALL COMMENCE, NOR SHALL MATERIALS BE STORED ON SITE, UNTIL STABLE INTERIOR ENVIRONMENTAL CONDITIONS ACCEPTABLE TO THE PRODUCT MANUFACTURER ARE PROVIDED AND IN PLACE FOR A DURATION SUFFICIENT TO ESTABLISH CONSISTENT AND ACCEPTABLE INDOOR TEMPERATURE AND HUMIDITY LEVELS. FAILURE TO PROVIDE AN INDOOR ENVIRONMENT IN STRICT COMPLIANCE WITH THE PRODUCT MANUFACTURERS PRINTED REQUIREMENTS WILL SUBJECT THE INSTALLING CONTRACTOR TO FULL RESPONSIBILITY FOR ANY COSTS ASSOCIATED WITH RE-WORK DUE TO MOLD OR MILDEW GROWTH , WARPING, CUPPING, DE-LAMINATION, OR SIMILAR DETERIORATION OF THE STORED OR INSTALLED CONSTRUCTION.

9.02. **FLOOR & WALL TILE:** INSTALL FLOOR AND WALL TILE IN ALL SCHEDULED AREAS IN ACCORDANCE WITH APPLICABLE TILE COUNCIL OF AMERICA (TCNA) METHOD.

9.03. **FLOOR FINISH TRANSITIONS:** UNLESS OTHERWISE INDICATED, TRANSITION FLOOR FINISHES AT CENTERLINE OF DOOR IN CLOSED LOCATION. TRANSITION FLOOR MATERIAL UNDER CENTER OF DOORS & WHERE NOTED. PROVIDE SCHEDULED TRANSITION MATERIALS AT CHANGES IN FLOOR MATERIAL TYPE.

9.04. **PARTITIONS:** SEE PARTITION NOTES AND SPECIFICATIONS FOR REQUIREMENTS OF PARTITION CONSTRUCTION.

9.05. **EQUIPMENT ACCESS DOORS:** THE GENERAL CONTRACTOR SHALL PROVIDE PROPOSED LOCATION OF CEILING ACCESS DOORS TO THE ARCHITECT FOR APPROVAL. ACCESS DOORS SHALL BE PAINTED TO MATCH ADJACENT FINISH.

9.06. **CASEWORK AND MILLWORK ANCHORAGE:** COORDINATE INSTALLATION OF IN-WALL STEEL ANCHORAGE, GROUNDS, AND REQUIRED BLOCKING WITH OTHER TRADES FOR PRECISE LOCATION.

9.07. **PARTITION COORDINATION WITH OTHER TRADES:**

(A) COORDINATE BETWEEN TRADES BEFORE FRAMING PARTITIONS. PARTITION FRAMING SHALL BE LAID OUT SO AS TO PERMIT THE INSTALLATION OF PIPING, CONDUITS, AND DUCTWORK WITH A MINIMUM OF CUTTING BY OTHER TRADES.

(B) EXCEPT FOR PIPING LOCATED IN EQUIPMENT ROOMS, ALL PIPING INSIDE THE BUILDING SHALL BE CONCEALED WITHIN PARTITIONS AND FURRED SPACES. WHERE IT OCCURS THAT PIPING CANNOT BE EASILY CONCEALED, NOTIFY THE ARCHITECT IN WRITING FOR CLARIFICATION. IN ANY CASE, SUCH PIPING SHALL BE CONCEALED AT NO ADDITIONAL COST.

(C) COORDINATE WITH OTHER TRADES AND OWNERS' SCHEDULED EQUIPMENT VENDORS FOR SUPPORT REQUIREMENTS OF WALL- MOUNTED AND SUSPENDED ITEMS. SIZE STUD GAUGE AND SPACING MUST BE ABLE TO SUPPORT ANY ADDITIONAL LOADS IMPOSED BY THESE ITEMS. MAX. DEFLECTION L/360 @ 5 PSF HORIZ. LOAD.

(D) PROVIDE AND INSTALL ALL BLOCKING, STIFFENERS, BRACES, BACK-UP PLATES, AND SUPPORTING BRACKETS AS REQUIRED FOR THE INSTALLATION OF WALL-MOUNTED OR SUSPENDED MECHANICAL ELECTRICAL, CASEWORK, MILLWORK AND ANY OTHER MISCELLANEOUS EQUIPMENT OR WALL-MOUNTED ACCESSORIES.

(E) ANY ADDITIONAL WORK OR, RE-WORK, AS A RESULT OF A FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL NOT BE GIVEN CONSIDERATION FOR CHANGE ORDER.

9.08 **FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIER IDENTIFICATION**

(A) FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIERS SHALL BE PERMANENTLY LABELED IN RED STENCILED LETTERING ABOVE FINISHED CEILING AT 1'-0" ABOVE CEILING.

1. EACH NEW FIRE WALL, FIRE BARRIER, FIRE PARTITION, SMOKE BARRIER, SMOKE PARTITION, OR ANY OTHER NEW WALL REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE ANY DECORATIVE CEILING AND IN CONCEALED SPACES WITH THE WORDING, "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS", OR SIMILAR LANGUAGE. SUCH SIGNS OR STENCILING SHALL BE IN 4 INCH HIGH LETTERS, 1/2 INCH STROKE, AND NOT MORE THAN 15 FEET ON-CENTER.

(B) UNLESS OTHERWISE REQUIRED OTHERWISE BY LOCAL JURISDICTION IDENITIFY RATED PARTITIONS AND WALLS AS FOLLOWS **(G.C. MUST CONFIRM VERBIAGE WITH LOCAL AHJ)** :

1-HOUR FIRE BARRIER - PROTECT ALL OPENINGS
1-HOUR FIRE & SMOKE BARRIER - PROTECT ALL OPENINGS
2-HOUR FIRE BARRIER - PROTECT ALL OPENINGS
2-HOUR FIRE & SMOKE BARRIER - PROTECT ALL OPENINGS
3-HOUR FIRE WALL - PROTECT ALL OPENINGS
4-HOUR FIRE WALL - PROTECT ALL OPENINGS

J DIVISION 10 - SPECIALTIES

10.01. **SPECIALTIES GENERAL:** WHEN APPLICABLE TO THE PROJECT, OWNER WILL AWARD AND WILL ASSIGN TO THE GENERAL CONTRACTOR THE CONTRACT FOR CERTAIN SPECIALTY ITEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING, SCHEDULING, AND COORDINATING THE INSTALLATION OF WORK INSTALLED UNDER THESE CONTRACTS. THE COST OF ASSIGNED CONTRACTS SHALL BE INCLUDED AS PART OF THE WORK OF THIS CONTRACT. SEE SPECIFICATION SECTION 01 1000 - "SUMMARY""; PARA. "1.07 WORK UNDER SEPARATE CONTRACTS"

10.02. **SPECIALTY CONTRACTS:** THE FOLLOWING SPECIALTY CONTRACTS WILL BE ASSIGNED TO THE GENERAL CONTRACTOR:

(A) INTERIOR AND EXTERIOR SIGNAGE PACKAGE.

(B) ROLLER WINDOW SHADE AND CUBICLE CURTAIN PACKAGE.

K DIVISION 11 - EQUIPMENT

11.01. **EQUIPMENT GENERAL:** FOR EQUIPMENT OR SYSTEMS INSTALLED UNDER SEPARATE CONTRACT, GENERAL CONTRACTOR SHALL COOPERATE FULLY WITH SEPARATE CONTRACTORS SO WORK ON THOSE CONTRACTS MAY BE CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH OR DELAYING WORK UNDER THIS CONTRACT OR OTHER CONTRACTS. COORDINATE THE WORK OF THIS CONTRACT WITH WORK PERFORMED UNDER SEPARATE CONTRACTS. WORK TO BE PERFORMED UNDER SEPARATE CONTRACT IS AS ITEMIZED UNDER SPECIFICATION SECTION 01 1000 - "SUMMARY"; PARA. "1.07 WORK UNDER SEPARATE CONTRACTS".

11.02. **MEDICAL EQUIPMENT, GENERAL:** MEDICAL EQUIPMENT PLANNED FOR THIS FACILITY REQUIRING ELECTRICAL, PLUMBING, OR HVAC SERVICES IS AS SCHEDULED ON THE EQUIPMENT PLAN DRAWING AND/OR BOUND EQUIPMENT MANUAL. GENERAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THESE REQUIREMENTS AND INCLUDE ALL WORK NECESSARY FOR A COMPLETE INSTALLATION.

11.03. **MEDICAL EQUIPMENT VENDOR DRAWINGS:** WHEN APPLICABLE, VENDOR'S SITE-SPECIFIC INSTALLATION DRAWINGS WILL BE PROVIDED TO THE CONTRACTOR FOR INFORMATION (*e,g.* X-RAY, CT, MRI, OR SIMILAR MAJOR ITEMS). EQUIPMENT INSTALLATION WILL BE BY THE RESPECTIVE VENDOR/S HOWEVER, THESE DRAWINGS ASSIGN RESPONSIBILITY TO GENERAL, AND OTHER CONTRACTOR/S, FOR WORK REQUIRED FOR A COMPLETE INSTALLATION THAT IS NOT PERFORMED BY THE VENDOR. GENERAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THESE RESPONSIBILITIES AND INCLUDE ALL WORK NECESSARY FOR A COMPLETE INSTALLATION.

L DIVISION 12 - FURNISHINGS

12.01. **CASEWORK BASE:** PROVIDE FINISHED BASE TO MATCH MATERIAL & FINISH OF ADJACENT WALL BASE, AT TOE KICK, AT ALL EXPOSED FRONT, SIDE, & REAR FACES OF CASEWORK.

12.02. **CASEWORK SPLASH:** PROVIDE BACKSPLASH AT ALL COUNTERTOPS UNLESS OTHERWISE INDICATED ON PLAN. PROVIDE SIDESPLASH OF SAME MATERIAL, DIMENSION, AND FINISH EVERYWHERE A COUNTERTOP BACKSPLASH ABUTS A VERTICAL WALL SURFACE AT ONE OR MORE OF ITS SIDES UNLESS OTHERWISE INDICATED ON PLAN.

M DIVISION 13 - SPECIAL CONSTRUCTION

N DIVISION 14 - CONVEYING SYSTEMS

14.01. **STRUCTURAL FOUNDATION COORDINATION:** COORDINATE EXACT BOTTOM OF ELEVATOR SHAFT WITH PIT DEPTH REQUIREMENTS OF SELECTED ELEVATOR MANUFACTURER. EXACT LOCATION OF SUMP PUMP AS DICTATED BY SELECTED ELEVATOR MANUFACTURER. AREA BETWEEN BOTTOM OF SLAB OF ELEVATOR SHAFT & STRUCTURAL CONCRETE MAT FOOTING TO BE POROUS FILL.

14.02. **STRUCTURAL CONCRETE WALL COORDINATION:** COORDINATE ALL REQUIRED ELEVATOR SHAFT WALL PENETRATIONS, EMBED LOCATIONS, SPECIAL HOISTWAY INFILL BRACKETS (IF REQUIRED FOR INSTALLATION IN SHAFT PROVIDED), WALL MOUNTED LADDERS, ETC. WITH SELECTED ELEVATOR MANUFACTURER.

14.03. **STRUCTURAL CMU WALL COORDINATION:** COORDINATE ALL REQUIRED ELEVATOR SHAFT WALL PENETRATIONS, EMBED LOCATIONS, SPECIAL HOISTWAY INFILL BRACKETS (IF REQUIRED FOR INSTALLATION IN SHAFT PROVIDED), ROUGH OPENINGS FOR DOORS, ETC. WITH SELECTED ELEVATOR MANUFACTURER.

14.04. **ELECTRICAL COORDINATION:** COORDINATE A MINIMUM QUANTITY (2) PER CAB, ELEVATOR DISCONNECTS WITH SELECTED ELEVATOR MANUFACTURER

O DIVISION 21 - FIRE SUPPRESSION

21.01. **FIRE PROTECTION SYSTEMS:** WHERE REQUIRED, INSTALL FIRE PROTECTION SYSTEMS IN STRICT ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES, INCLUDING NFPA. ALL EQUIPMENT UTILIZED IN THE FIRE PROTECTION SYSTEM SHALL BE LISTED BY UNDERWRITER'S LABORATORIES [UL].

21.02. **FIRE PROTECTION SYSTEM DESIGN:** WHERE DESIGN OF THE FIRE PROTECTION SYSTEM IS THE RESPONSIBILITY OF THE CONTRACTOR AS REQUIRED BY A PERFORMANCE SPECIFICATION, THE SYSTEM DESIGN SHALL BE SUPERVISED BY AN INDIVIDUAL WHO IS A REGISTERED FIRE PROTECTION ENGINEER AND/OR IS CERTIFIED AT LEVEL III OR HIGHER IN FIRE PROTECTION ENGINEERING TECHNOLOGY AUTOMATIC SPRINKLER SYSTEM LAYOUT BY THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGY (NICET).

21.03. **FIRE PROTECTION PIPING:** SPRINKLER PIPING SHALL BE UNENCUMBERED BY THE WORK OF ANY OTHER TRADE THROUGHOUT THE ENTIRE BUILDING. UNDER NO CIRCUMSTANCES SHALL ANYTHING BE SUPPORTED BY, DRAPED OVER, TIED-OFF TO, OR SUSPENDED BY, SPRINKLER PIPING. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO CONTINUOUSLY MONITOR ONGOING WORK IN THE VICINITY OF SPRINKLER PIPING AND SHALL DIRECT ANY OTHER CONTRACTOR OR TRADESMAN TO IMMEDIATELY REMOVE AND RE-INSTALL ANY ITEM NOT IN COMPLIANCE WITH THIS REQUIREMENT.

P DIVISION 22 - PLUMBING

22.01. **CONCEALED PIPING:** ALL PIPING, DUCTWORK, ELECTRICAL RACEWAYS & CONDUITS SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL INCLUDE, IN THE BASE BID, REQUIRED FURRING TO CONCEAL THESE SYSTEMS WHETHER OR NOT THE FRAMING AND FURRING IS ILLUSTRATED IN THE DRAWINGS.

22.02. **SECURE PIPING:** TIE ALL PIPING "HARD" TO STRUCTURE.

22.03. **GAS PIPING EXPOSED ON ROOF:** WHERE GAS PIPING IS EXPOSED ON THE ROOF, PAINT GAS PIPING "YELLOW".

22.04. **PLUMBING FIXTURES:** CAREFULLY REVIEW THE DIMENSIONAL STANDARDS FOR INSTALLED PLUMBING FIXTURES, AND PLAN THE WORK TO ASSURE FULL COMPLIANCE OF CODE REQUIRED FIXTURE CLEARANCES.

Q DIVISION 23 - HVAC

23.01. **MEP DEVICE/ FIXTURE COORDINATION:** COORDINATE LOCATIONS FOR DIFFUSERS, AND RETURN AIR GRILLES TO THE GREATEST EXTENT POSSIBLE IN ORDER TO MAINTAIN LIGHTING LAYOUT INDICATED IN THE DRAWINGS. MEP&FP CONTRACTORS SHALL COORDINATE WORK WITH OTHER TRADES PRIOR TO INSTALLATION.

R DIVISION 26 - ELECTRICAL

26.01. **MEP DEVICE/ FIXTURE COORDINATION:** COORDINATE LOCATIONS FOR DIFFUSERS, AND RETURN AIR GRILLES TO THE GREATEST EXTENT POSSIBLE IN ORDER TO MAINTAIN LIGHTING LAYOUT INDICATED IN THE DRAWINGS. MEP&FP CONTRACTORS SHALL COORDINATE WORK WITH OTHER DISCIPLINES PRIOR TO INSTALLATION. ALL ELECTRICAL ITEMS INDICATED IN OR ON CABINETRY OR MILLWORK SHALL BE SUPPLIED, INSTALLED AND COORDINATED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED.

26.02. **CENTER CEILING DEVICES:** CENTER LIGHTS, SUPPLY DIFFUSERS, RETURN GRILLES, SPRINKLER HEADS, ETC. IN CEILING PANELS IF NOT OTHERWISE INDICATED.

26.03. **ELECTRICAL BOXES IN RATED PARTITIONS:** WHERE ELECTRICAL BOXED ARE INSTALLED IN FIRE-RATED METAL STUD PARTITIONS, INSTALL BOXES NO LARGER THAN SIXTEEN SQUARE INCHES (16 SI) IN AREA, AND DO NOT EXCEED ONE-HUNDRED SQUARE INCHES (100 SI) OF METALLIC BOX PER ONE-HUNDRED SQUARE FEET (100 SF) OF FIRE-RATED WALL AREA. WHERE ELECTRICAL REQUIREMENTS DICTATE A HIGHER RATION, TREAT THE ELECTRICAL BOXES WITH CODE APPROVED METHOD TO ASSURE CONTINUOUS RATING. FURTHER, DO NOT INSTALL ELECTRICAL BOXES BACK-TO-BACK IN THE SAME STUD CAVITY WITHOUT APPROVED FIRE-RATED TREATMENT.

26.04. **ELECTRICAL DEVICES IN OR NEAR MILLWORK:** CAREFULLY LOCATE ELECTRICAL BOXES FOR DEVICES IN OR NEAR MILLWORK AND/OR CASEWORK TO ASSURE COORDINATED INSTALLATION. LOCATE ELECTRICAL DEVICES ABOVE COUNTERTOP SUCH THAT THE DEVICE COVER PLATE WILL NOT INTERFERE WITH SCHEDULED BACKSPLASH OR SIDESPLASH.

GMC

Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE	DATE
CONSTRUCTION DOCUMENTS	1/29/24

DRAWN BY: KP
CHECKED BY: MN

JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

GENERAL NOTES

G1.02

1/30/2024 8:23:25 AM TEMPLATE VERSION: 2022.1

ABBREVIATIONS

ACC	ACCESSIBLE
ACI	AMERICAN CONCRETE INSTITUTE
ACT	ACOUSTICAL CEILING TILE
ADD	ADDENDUM
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ADJ	ADJACENT
B/B	BACK-TO-BACK
BC	BASE OF CURB
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCHMARK
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BUR	BUILT-UP ROOF
BOW	BOTTOM OF WALL
B/W	BETWEEN
CAB	CABINET
CB	CATCH BASIN
C/C	CENTER TO CENTER
CD	CORE DECK
CF	CUBIC FOOT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION OR CONTROL JOINT
CLG	CEILING
CLO	CLOSET
CLR	CLEAR (ANCE)
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
COORD	COORDINATE
CPT	CARPET (ED)
CSMU	CALCIUM SILICATE MASONRY UNIT
CT	CERAMIC TILE
CW	CURTAIN WALL
D	DRYER
DBL	DOUBLE
DEM	DEMOLISH OR DEMOLITION
DET	DETAIL
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DS	DOWNSPOUT
DWG	DRAWING
DF	DRINKING FOUNTAIN
EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEV	ELEVATION / ELEVATOR
ELEC	ELECTRIC (ALL)
ENGR	ENGINEER
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SLAB
EQ	EQUAL
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXPN	EXPANSION
EXT	EXTERIOR
FBO	FURNISHED BY OTHERS
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER & CABINET
FFE	FINISH FLOOR ELEVATION
FFW	FINISH FACE OF WALL
FHC	FIRE HOSE & CABINET
F/F	FACE TO FACE
FL	FLOOR
FLG	FLANGE
FND	FOUNDATION
FO	FACE OF
FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FR	FRAME (ED), (ING)
FRT	FIRE RETARDANT TREATED
FT	FOOT/FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GHM	GALVANIZED HOLLOW METAL
GI	GALVANIZED IRON
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	HEIGHT
HC	HANDICAP
HM	HOLLOW METAL
HOD	HIGHEST OPERABLE DEVICE
HORIZ	HORIZONTAL
HP	HIGH POINT/HORSE POWER
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
HVAC	HEATING / VENTILATION / AIR CONDITIONING
HW	HARDWARE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IJ	ISOLATION JOINT
IN	INCH / INCHES
INSUL	INSULATION
JAN	JANITOR'S CLOSET
JG	JOIST GIRDER
JT	JOINT
K	THOUSAND
KIP	1 000 #
KJ	KEY JOINT
KSI	1 000 # PER SQ IN
LAM	LAMINATE (D)
LF	LINEAR FOOT
L	LENGTH, ANGLE
LAB	LABORATORY
LAV	LAVATORY
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT GA	LIGHT GAUGE
LT	LIGHT
MATL	MATERIAL
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MECH	MECHANICAL
MEZZ	MEZZANINE
MANUF	MANUFACTURE (R)
MH	MANHOLE
MIN	MINIMUM
MO	MASONRY OPENING
MULL	MULLION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/H	OVERHEAD
OC	ON CENTER (S)
OCC	OCCUPANT (S)
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OH	OPPOSITE HAND
OPG	OPENING
OPP	OPPOSITE
PJ	PRECAST JOINT
PL	PROPERTY LINE, PLATE
PLAM	PLASTIC LAMINATE
PNT	PAINT (ED)
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PREMANUF	PREMANUFACTURED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT / PRESSURE TREATED / POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWD	PLYWOOD
QT	QUARRY TILE
RA	RETURN AIR
RAD	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCEMENT BAR
REF	REFRIGERATOR / REFERENCE
REINF	REINFORCE (D), (ING)
REQ'D	REQUIRED
RET	RETAINING
REV	REVISION (S), REVISED
RH	RIGHT HAND
RJ	RECESSED JOINT
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT
SC	SEALED CONCRETE
SCHED	SCHEDULED
SD	STORM DRAIN
SECT	SECTION
SF	STOREFRONT
SIM	SIMILAR
SPEC	SPECIFICATION (S)
SQ	SQUARE
SS	SOLID SURFACE
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SY	SQUARE YARD
TELE	TELEPHONE
TERM	TERMINATION
T&G	TONGUE AND GROOVE
TH	THICK (NESS)
THK	THICK (NESS)
TO	TOP OF
TOC	TOP OF CURB
TOGB	TOP OF GRAB BAR
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
TOS	TOP OF SLAB / TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
TZ	TERRAZZO
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VWC	VINYL WALL COVERING
W	WASHER / WIDTH / WIDE FLANGE
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WIN	WINDOW
WP	WORK POINT / WATERPROOFING
WT	WEIGHT
WW	WALL TO WALL
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT

ANNOTATION SYMBOLS & TAGS

ROOM NAME
101
ROOM REFERENCE TAG

COLUMN LINES:
CONSECUTIVE NUMBERS ARE USED FOR COLUMN LINES RUNNING NORTH & SOUTH

CONSECUTIVE LETTERS ARE USED FOR COLUMN LINES RUNNING EAST & WEST

FACE OF MASONRY OR FACE OF GIRDER

677.52
ELEVATION TAG:
677.52 - ELEVATION (FT)

1 / A1.01
EXTERIOR ELEVATION TAG:
ELEVATION 1 ON SHEET A101

3 / A1.01
INTERIOR ELEVATION TAG:
INTERIOR ELEVATION 3 ON SHEET A101

FF&E:
BY OTHERS

REVISION CLOUD AND TAG:
USED TO INDICATE SCOPE OF CURRENT REVISION

OG
WALL TAG:
INTERIOR WALL TYPE OG
(SEE PARTITION LEGEND)

101
DOOR TAG:
DOOR NUMBER 101
(SEE FLOOR PLANS AND DOOR SCHEDULE)

C-1
CURTAINWALL TAG:
CURTAINWALL TYPE 1
(SEE EXTERIOR ELEVATIONS AND GLAZING SCHEDULE)

S-1
STOREFRONT TAG:
STOREFRONT TYPE 1
(SEE EXTERIOR ELEVATIONS AND GLAZING SCHEDULE)

W-1
WINDOW TAG:
WINDOW TYPE 1
(SEE EXTERIOR ELEVATIONS AND GLAZING SCHEDULE)

L-1
LOUVER TAG:
LOUVER TYPE L1
(SEE LOUVER SCHEDULE)

TA01
SPECIALTY EQUIPMENT TAG:
SEE SPECIALTY EQUIPMENT SCHEDULE

G1
PLAN KEYNOTE TAG:
KEYNOTE NUMBER
SEE PLAN KEYNOTE SCHEDULE

1 / A1.01
BUILDING SECTION TAG:
SECTION 1 ON SHEET A101

1 / A1.01
WALL SECTION TAG:
SECTION 1 ON SHEET A101

1 / A1.01
ENLARGED DETAIL TAG:
DETAIL 1 ON SHEET A101

CDS#
HEIGHT # # DEPTH #
WIDTH #
CASEWORK TAG

PRIMARY / ACCENT WALL FINISH	PNT-1	PNT-5
BASE FINISH	RB-1	
FLOOR FINISH	LVT-1	
CASEWORK / COUNTERTOP FINISH	PL-3	SS-1

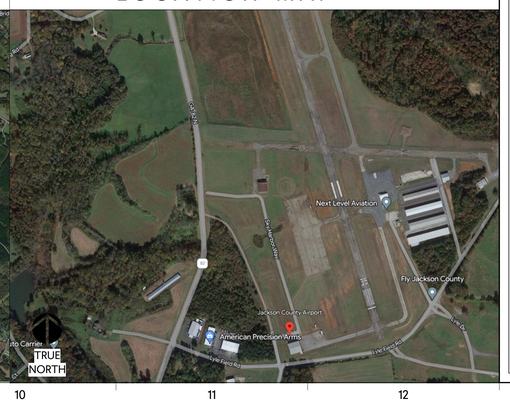
INTERIOR FINISH TAG

PLAN NORTH
NORTH ARROW:
ARCHITECTURAL PLAN ORIENTATION

TRUE NORTH
NORTH ARROW:
CIVIL ORIENTATION

VICINITY MAP

LOCATION MAP



GMC

Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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CONSTRUCTION DOCUMENTS	1/29/24

DRAWN BY: KP
CHECKED BY: MN

JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

GENERAL INFORMATION

G1.03

1/30/2024 8:23:26 AM TEMPLATE VERSION: 2022.1

ACCESSIBLE ELEMENTS NOTES

01. **ACCESSIBILITY STANDARDS:** CONTRACTOR MUST BE FAMILIAR WITH AND, SHALL MAINTAIN ON THE JOB SITE, A COPY OF THE CURRENT ADAAG STANDARDS AND IBC CHAPTER 11 ACCESSIBILITY REQUIREMENTS (OR FLORIDA BUILDING CODE ACCESSIBILITY) AS APPLICABLE. DURING CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE MINDFUL OF THESE ACCESSIBILITY REQUIREMENTS INCLUDING MOUNTING HEIGHTS AND FLOOR MANEUVERING CLEARANCES AND, IN THE EVENT THAT FIELD CONDITIONS WILL NOT ALLOW FOR ACCESSIBILITY REQUIREMENTS TO BE MAINTAINED IN A PARTICULAR CONDITION OR INSTALLATION, CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR FURTHER DIRECTION PRIOR TO PROCEEDING.

02. **ADA DEVICES:** ALL DEVICES AND FIXTURES DEPICTED HEREIN AND WHERE NOTED AS "ADA" OR "ACCESSIBLE" SHALL AT MINIMUM BE INSTALLED IN STRICT ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT AND APPLICABLE BUILDING CODES. WHERE ACCESSIBILITY REQUIREMENTS MAY VARY BY JURISDICTION, FOLLOW THE MOST STRINGENT REQUIREMENTS.

03. **ADA MOUNTING HEIGHTS:** ALL MOUNTING HEIGHTS SHOWN ON THIS PAGE ARE TO BE MEASURED FROM THE TOP OF FLOOR FINISH (i.e. NOT FROM SUBFLOOR). THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE SPECIFIED FLOOR FINISH WHEN ESTABLISHING THE MOUNTING HEIGHTS OF ACCESSIBLE ITEMS.

04. **ADA PLAN DIMENSIONS:** ALL PLAN DIMENSIONS SHALL BE MEASURED FROM THE FINISH FACE OF SCHEDULED WALL FINISH. THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE SPECIFIED WALL FINISH e.g., WALL TILE, WHEN ESTABLISHING PLAN DIMENSIONS AND CLEARANCES FOR ACCESSIBLE ELEMENTS.

05. **PLUMBING ELEMENTS AND FIXTURES:** SEE PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIRED LOCATIONS AND MOUNTING HEIGHT OF PLUMBING ELEMENTS AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS AND/OR CLEARANCES INDICATED HEREIN AND THE REQUIREMENTS OF THE PLUMBING ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO ROUGH-IN.

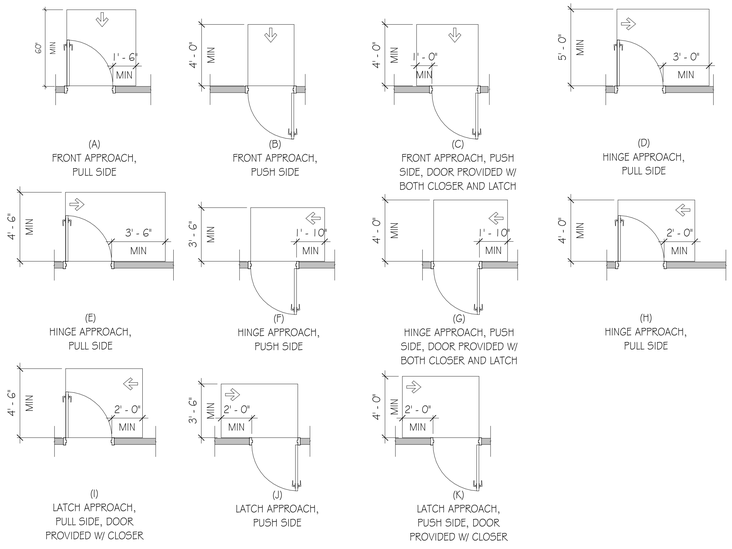
06. **ELECTRICAL DEVICES:** SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF ELECTRICAL DEVICES AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS INDICATED HEREIN AND THE REQUIREMENTS OF THE ELECTRICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATIONPRIOR TO ROUGH-IN.

ABBREVIATIONS AND ACRONYMS

AFF . . . . . ABOVE FINISHED FLOOR	MAX . . . . . MAXIMUM
BOGB . . . . . BOTTOM OF GRAB BAR	MIN . . . . . MINIMUM
FFE . . . . . FINISHED FLOOR ELEVATION	TOGB . . . . . TOP OF GRAB BAR
FFW . . . . . FINISH FACE OF WALL	WC . . . . . WATER CLOSET
FO . . . . . FACE OF	W/ . . . . . WITH
GB . . . . . GRAB BAR	W/O . . . . . WITHOUT
HOD . . . . . HIGHEST OPERABLE DEVICE	

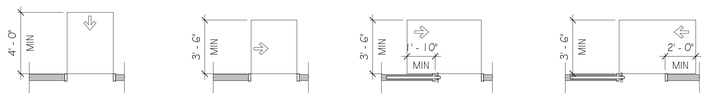
DOOR AND GATE MANEUVERING CLEARANCES

404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES



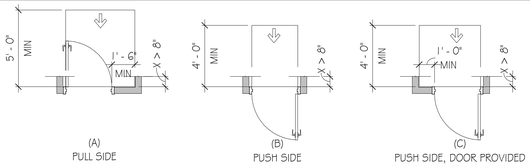
(A) FRONT APPROACH, PULL SIDE
(B) FRONT APPROACH, PUSH SIDE
(C) FRONT APPROACH, PUSH SIDE, DOOR PROVIDED W/ BOTH CLOSER AND LATCH
(D) HINGE APPROACH, PULL SIDE
(E) HINGE APPROACH, PULL SIDE
(F) HINGE APPROACH, PUSH SIDE
(G) HINGE APPROACH, PUSH SIDE, DOOR PROVIDED W/ BOTH CLOSER AND LATCH
(H) HINGE APPROACH, PULL SIDE
(I) LATCH APPROACH, PULL SIDE, DOOR PROVIDED W/ CLOSER
(J) LATCH APPROACH, PUSH SIDE
(K) LATCH APPROACH, PUSH SIDE, DOOR PROVIDED W/ CLOSER

404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS OR GATES, MANUAL SLIDING DOORS, AND MANUAL FOLDING DOORS



(A) FRONT APPROACH
(B) SIDE APPROACH
(C) POCKET OR HINGE APPROACH
(D) STOP OR LATCH APPROACH

404.2.4.3 RECESSED DOORS AND GATES



(A) PULL SIDE
(B) PUSH SIDE
(C) PUSH SIDE, DOOR PROVIDED W/ CLOSER & LATCH

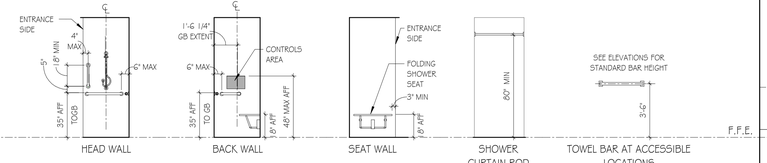
404.2.4.3 RECESSED DOORS AND GATES. A DOOR CAN BE RECESSED DUE TO WALL THICKNESS OR BECAUSE OF CASEWORK AND OTHER FIXED ELEMENTS ADJACENT TO THE DOORWAY. THIS PROVISION MUST BE APPLIED WHEREVER DOORS ARE RECESSED.

ACCESSIBLE PLUMBING ELEMENTS AND FACILITIES - ELEVATION VIEW

SEE G1.12 FOR PLAN DETAILS

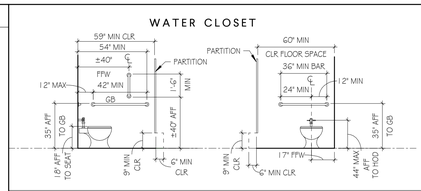
IMPORTANT NOTE: ALL HEIGHTS GIVEN BELOW ARE FROM FACE OF FLOOR FINISH (NOT FROM FINISH SLAB)

ACCESSIBLE TRANSFER SHOWER (WITH FOLDING SEAT)

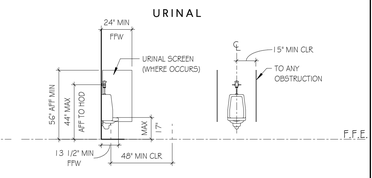


HEAD WALL | BACK WALL | SEAT WALL | SHOWER CURTAIN ROD | TOWEL BAR AT ACCESSIBLE LOCATIONS

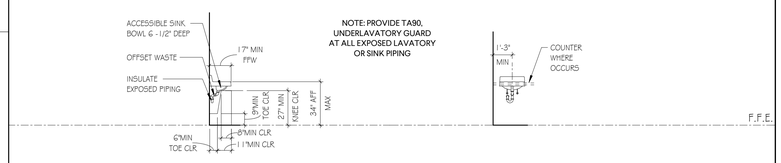
WATER CLOSET



URINAL

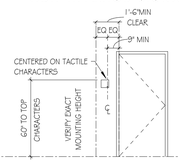


LAVATORY OR VANITY SINK



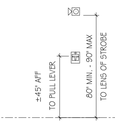
NOTE: PROVIDE TA90, UNDERLAVATORY GUARD AT ALL EXPOSED LAVATORY OR SINK PIPING

ADA INTERIOR SIGNAGE



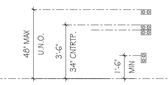
LATCH SIDE OR NEAREST ADJACENT WALL

FIRE ALARM W / STROBE



IF CEILING DOES NOT PERMIT 80" VERIFY HEIGHT W / ARCH

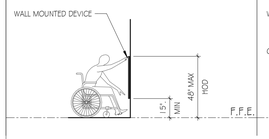
ELECTRICAL DEVICES



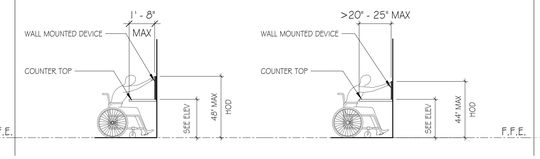
*NOTE: ROTATE ELECTRICAL COVER PLATES HORIZONTAL IF COUNTERTOP IS ABOVE 42" HIGH

TYPICAL REACH RANGES

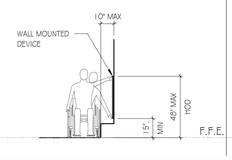
UNOBSTRUCTED FORWARD REACH



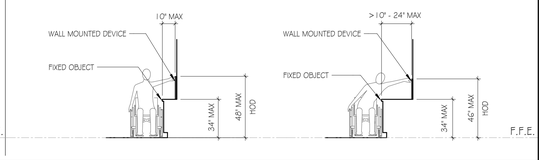
OBSTRUCTED HIGH FORWARD REACH



UNOBSTRUCTED SIDE REACH

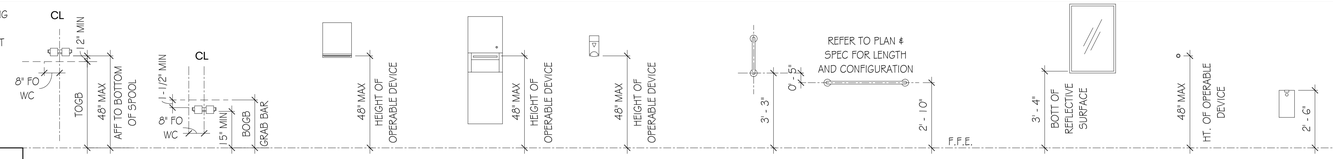


OBSTRUCTED HIGH SIDE REACH

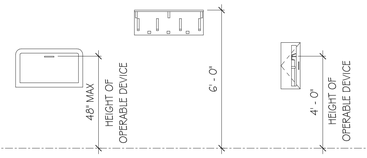


TYPICAL ACCESSIBLE MOUNTING HEIGHTS

VERIFY EXACT MOUNTING HEIGHT OF SUBMITTED DEVICE WITH ARCHITECT



TOILET ACCESSORY TYPE	TOILET TISSUE HOLDER	PAPER TOWEL DISPENSER	WASTE RECEPTACLE	SOAP DISPENSER	GRAB BAR VERTICAL	GRAB BAR HORIZONTAL NOTE: TOP OF GRAB BAR MAY BE 36" WHERE USED WITH TANK TOILETS	MIRROR ADA	ROBE HOOK AT ACCESSIBLE LOCATIONS (SEE ELEVATIONS FOR STANDARD HOOK HT)	SANITARY NAPKIN DISPOSAL
DRAWING DESIGNATION	TA01	TA03	TA15 RECESSED	TA18	18" TA23	18" TA23 36" TA24 42" TA25	TA30	TA33	TA36



TOILET ACCESSORY TYPE	BABY CHANGING STATION	MOP AND BROOM HOLDER	FIRE EXTINGUISHER CABINET
DRAWING DESIGNATION	TA85	TA95	FEC

GMC

Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE | DATE
CONSTRUCTION DOCUMENTS | 1/29/24

DRAWN BY: KP
CHECKED BY: MN

JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

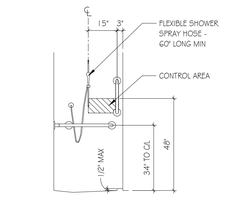
ACCESSIBILITY DATA

G1.11

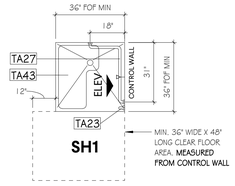
1/30/2024 8:23:26 AM TEMPLATE VERSION: 2022.1

ACCESSIBLE PLUMBING LAYOUTS - ADAAG / ANSI

ACCESSIBLE SHOWER STALL LAYOUTS



ELEVATION

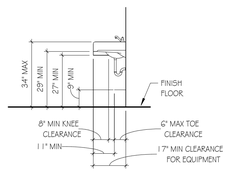


PLAN

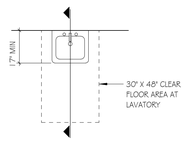
TRANSFER SHOWER STALL

PLAN DESIGNATION **SH1**

ACCESSIBLE LAVATORIES



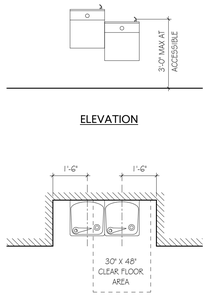
SECTION
LAVATORY CLEARANCES



PLAN

ACCESSIBLE LAVATORY

FRONT APPROACH

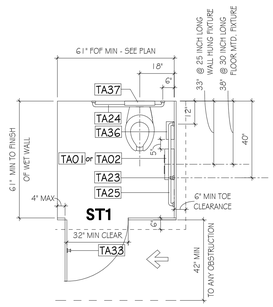


ELEVATION

PLAN

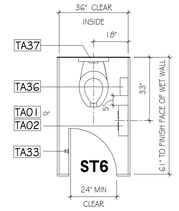
FOUNTAIN / COOLER - HI-LO

ACCESSIBLE TOILET STALL OR COMPARTMENT LAYOUTS



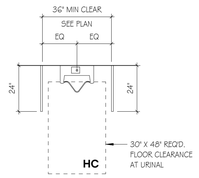
WHEELCHAIR ACCESS. STALL

PLAN DESIGNATION **ST1**



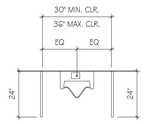
STANDARD TOILET STALL

PLAN DESIGNATION **ST6**



ACCESSIBLE URINAL STALL

PLAN DESIGNATION ST8



STANDARD URINAL STALL

PLAN DESIGNATION ST7

NOTES:
1. LOCATE FLUSH ACTIVATION ON WIDE SIDE AT ALL TOILETS - LOCATE FLUSH VALVE BENEATH ADJACENT GRAB BARS.
2. SANITARY NAPKIN DISPOSALS TO BE PROVIDED AT ALL FEMALE, UNISEX, & FAMILY TOILETS

GMC

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6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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ISSUE DATE
CONSTRUCTION DOCUMENTS 1/29/24

DRAWN BY: KP
CHECKED BY: MN

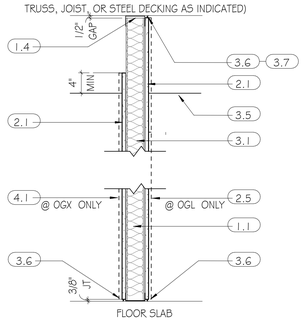
JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

ACCESSIBLE PLUMBING LAYOUTS

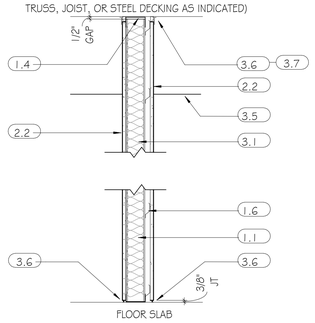
G1.12

1/30/2024 8:23:27 AM TEMPLATE VERSION: 2022.1



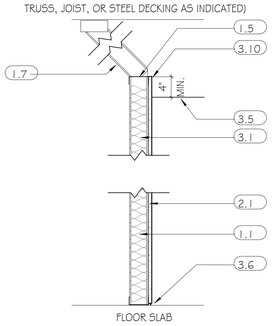
OG	0 HR. - GYPSUM
OG5	0 HR. - GYPSUM - SMOKE RESISTIVE
OGX	0 HR. - GYPSUM - XTRA LAYER GYP ONE SIDE
OGL	0 HR. - GYPSUM - LEAD LINED

DRAWING MARK	DESCRIPTION	U.L. # / STC	N/A / 47



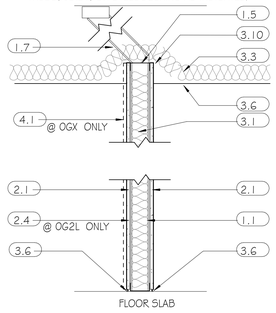
OGA	0 HR. - GYPSUM - ACOUSTIC

DRAWING MARK	DESCRIPTION	U.L. # / STC	N/A / 58



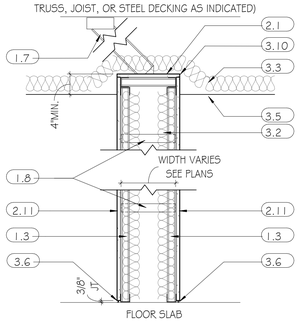
OG1	0 HR. - GYPSUM - 1 SIDED

DRAWING MARK	DESCRIPTION	U.L. # / STC	---- / --



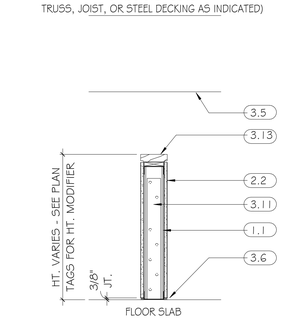
OG2	0 HR. - GYPSUM - 2 SIDED
OG2L	0 HR. - GYPSUM - 2 SIDED - LEAD LINED
OG2X	0 HR. - GYPSUM - 2 SIDED - XTRA LAYER GYP ONE SIDE

DRAWING MARK	DESCRIPTION	U.L. # / STC	N/A / 52



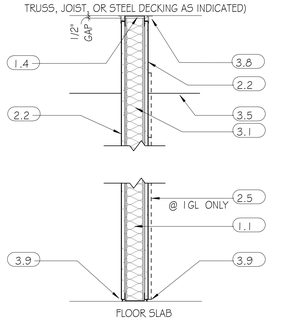
OGC	0 HR. - GYPSUM - CHASE

DRAWING MARK	DESCRIPTION	U.L. # / STC	N/A / --



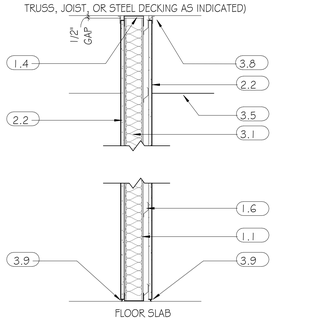
OGP /HT	0 HR. - GYPSUM - PARTIAL HEIGHT

DRAWING MARK	DESCRIPTION	U.L. # / STC	N/A / --



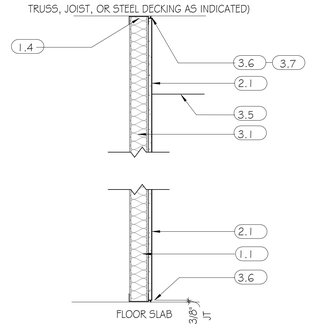
1G	1 HR. - GYPSUM
1G5	1 HR. - GYPSUM - SMOKE BARRIER
1GL	1 HR. - GYPSUM - LEAD LINED

DRAWING MARK	DESCRIPTION	U.L. # / STC	U465 / 49



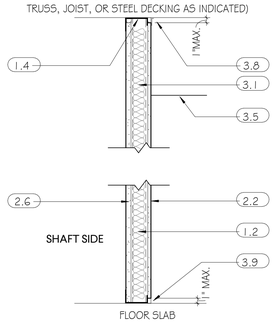
1GA	1 HR. - GYPSUM - ACOUSTIC

DRAWING MARK	DESCRIPTION	U.L. # / STC	U419 / 58



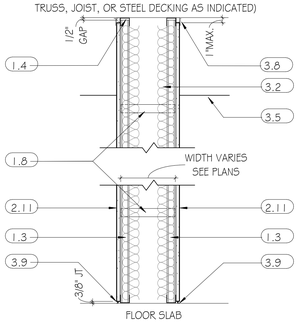
OG1D	0 HR. - GYPSUM - 1 SIDED TO DECK

DRAWING MARK	DESCRIPTION	U.L. # / STC	---- / --



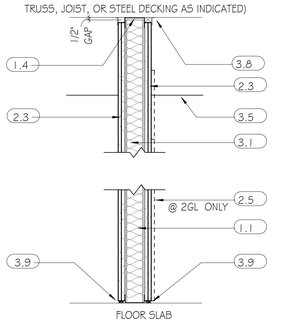
1S	1 HR. - SHAFTWALL
1S5	1 HR. - SHAFTWALL - SMOKE BARRIER

DRAWING MARK	DESCRIPTION	U.L. # / STC	U415-A / 52



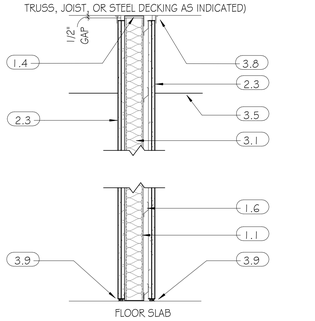
1GC	1 HR. - GYPSUM - CHASE

DRAWING MARK	DESCRIPTION	U.L. # / STC	U445 / 62



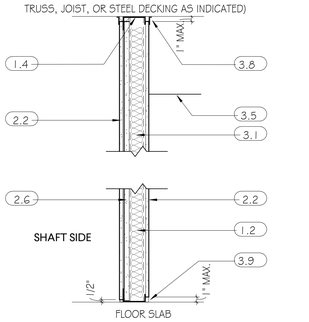
2G	2 HR. - GYPSUM
2G5	2 HR. - GYPSUM - SMOKE BARRIER
2GL	2 HR. - GYPSUM - LEAD LINED

DRAWING MARK	DESCRIPTION	U.L. # / STC	U411 / 52



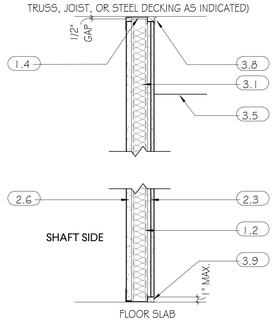
2GA	2 HR. - GYPSUM - ACOUSTIC

DRAWING MARK	DESCRIPTION	U.L. # / STC	U454 / 61



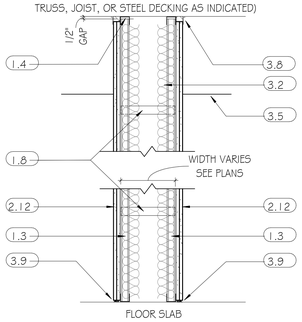
25X	2 HR. - SHAFTWALL - EXIT STAIR
25SX	2 HR. - SHAFTWALL - SMOKE BARRIER - EXIT STAIR

DRAWING MARK	DESCRIPTION	U.L. # / STC	U415-E / 52



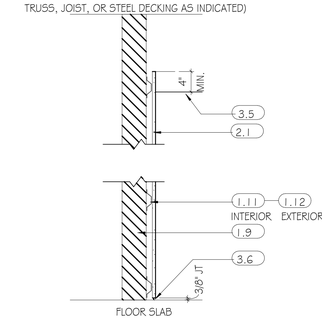
25	2 HR. - SHAFTWALL
25S	2 HR. - SHAFTWALL - SMOKE BARRIER

DRAWING MARK	DESCRIPTION	U.L. # / STC	U415-B / 52



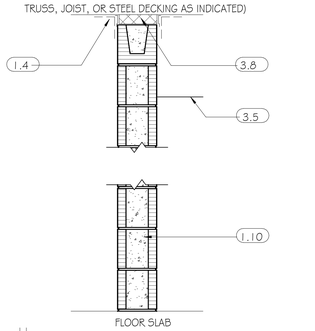
2GC	2 HR. - GYPSUM - CHASE

DRAWING MARK	DESCRIPTION	U.L. # / STC	U444 / 62



OGF	0 HR. - GYPSUM - FURRED
OGFX	0 HR. - GYPSUM - FURRED - EXTERIOR

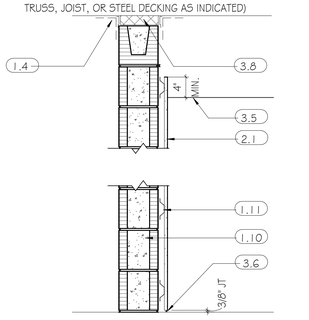
DRAWING MARK	DESCRIPTION	U.L. # / STC	N/A / N/A



0M	0 HR. - CMU
1M	1 HR. - CMU
2M	2 HR. - CMU

2M ONLY

DRAWING MARK	DESCRIPTION	U.L. # / STC	U905 / 50



0MG	0 HR. - CMU - GYPSUM FURRED
1MG	1 HR. - CMU - GYPSUM FURRED
2MG	2 HR. - CMU - GYPSUM FURRED

DRAWING MARK	DESCRIPTION	U.L. # / STC	U905 / 51

GENERAL NOTES - PARTITIONS

1. UL LISTED ASSEMBLIES
   A. WHERE UL ASSEMBLY NUMBERS ARE REFERENCED ABOVE, PARTITIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH REQUIREMENTS SET FORTH BY THE UL FIRE RESISTANCE DIRECTORY. SEE UL ASSEMBLY DRAWINGS (BEGINNING WITH DRAWING G1.23) FOR DETAILED UL ASSEMBLY REQUIREMENTS. NO DEVIATION SHALL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT.

2. FIRE BARRIERS, FIRE PARTITIONS, & SMOKE BARRIERS (FIRE-RATED)
   A. ALL PERIMETER JOINTS MUST BE PROTECTED BY UL LISTED FIRE-RESISTANT JOINT SYSTEMS.
   B. ALL PENETRATIONS OF RATED ASSEMBLIES MUST BE PROTECTED BY UL LISTED THROUGH-PENETRATION FIRESTOPPING ASSEMBLIES.
   C. FIRE DAMPERS MUST PROTECT HVAC DUCT PENETRATIONS.
   D. IDENTIFY FIRE WALLS, SMOKE BARRIERS, ETC., IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, WITH STENCILED LETTERING IN COMPLIANCE WITH GENERAL NOTE 9.08 FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIER IDENTIFICATION ON DRAWING G1.02, GENERAL NOTES.

3. SMOKE PARTITIONS (NON-RATED)
   A. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED SO AS TO RESIST THE PASSAGE OF SMOKE AND SHALL MEET THE CONTINUITY REQUIREMENTS DEFINED BY IBC 710.4
   B. ALL PERIMETER JOINTS MUST BE SEALED WITH AIRTIGHT SEALANT APPLICATION.
   C. ALL PIPING, ELECTRICAL, AND DUCT PENETRATIONS MUST BE SEALED WITH AIRTIGHT SEALANT APPLICATION.

4. SOUND INSULATION
   A. INSULATION THICKNESS SHALL MATCH CAVITY DEPTH UNLESS NOTED OTHERWISE.
   B. INSULATE BEHIND RECESSED ITEMS IN ANY SCHEDULED ACOUSTIC PARTITIONS.

5. ACOUSTICAL SEALANT
   A. AT ALL GYP BOARD AND METAL STUD PARTITIONS: REQUIRED AT BOTTOM AND TOP RUNNERS AND AT WALL ANGLES WHERE DISSIMILAR MATERIALS MEET (SEE DETAILS).
   B. AT SCHEDULED ACOUSTIC PARTITIONS: AIRTIGHT SEAL IS REQUIRED AT ALL PENETRATIONS.
   C. ELECTRICAL AND OTHER BOXES TO BE WRAP-SEALED (SEE DETAILS).

6. PARTITION COORDINATION WITH OTHER TRADES
   A. GENERAL CONTRACTOR AND SUBCONTRACTORS MUST COMPLY WITH GENERAL NOTE 9.07, PARTITION COORDINATION WITH OTHER TRADES ON DRAWING G1.02, GENERAL NOTES.

IMPORTANT NOTE

1. GENERAL NOTE REGARDING THE USE OF THIS DRAWING
   A. THIS DRAWING ILLUSTRATES THE FULL ARRAY OF STANDARD PARTITION TYPES USED BY GMC AND IS INTENDED TO BE PUBLISHED IN ITS ENTIRETY FOR REFERENCE .....HOWEVER,....BE ADVISED THAT NOT ALL PARTITION TYPES SHOWN ON THIS DRAWING WILL BE USED IN EVERY PROJECT.
   B. PARTITION TYPES USED IN THIS PROJECT ARE AS TAGGED AND/OR AS NOTED ON THE FLOOR PLANS.
   C. DO NOT SPEND TIME SEARCHING FOR UNUSED PARTITION TYPES ON THE FLOOR PLANS AS YOU WILL NOT FIND THEM.

NUMBERED NOTES

1.1 METAL STUDS 16" OC. DOUBLE-STUD JAMBS FULL HT. AT DOOR OPENINGS
1.2 SHAFTWALL STUDS 24" OC
1.3 PLUMBING CHASE. 1-5/8" METAL STUDS 16" OC IN TWO ROWS. WIDTH VARIES
1.4 DEFLECTION TRACK (0.0329" MTL. THICKNESS). MAINTAIN MIN. 1/2" STUD GAP
1.5 CONTINUOUS TOP TRACK (0.0329" METAL THICKNESS)
1.6 RESILIENT CHANNELS 24" OC VERTICAL
1.7 STUD BRACING MIN. 48 IN. OC (24" OC AT WALL-HUNG CABINETS)
1.8 STEEL STUD OR RUNNER BRACING, FULL WIDTH OF CAVITY, 48" OC VERT. MAX
1.9 NEW OR EXISTING SUBSTRATE
1.10 CMU (UL LISTED WHERE APPLICABLE). SEE STRUCTURAL FOR REINFORCING, LINTEL, AND TOP BRACING REQUIREMENTS
1.11 AT INTERIOR FURRING: 7/8 IN. HAT-SHAPED METAL FURRING
1.12 AT EXTERIOR (PERIMETER) FURRING: 2 IN. METAL Z-FURRING W/ MIN. R-8 BOARD INSUL.
2.1 ONE LAYER 5/8 IN. GYP. BD
2.2 ONE LAYER 5/8 IN. TYPE 'X' GYP. BD
2.3 TWO LAYERS 5/8 IN. TYPE 'X' GYP. BD
2.4 LEAD LINED GYP. BD. TO MIN. 7'-6" AFF ON ROOM SIDE. INSTALL 5/8" GYP. BD. ABOVE 7'-6" UP TO SCHEDULED PARTITION HEIGHT
2.5 ADD'L. LAYER LEAD-LINED GYP. BD. TO MIN. 7'-6" AFF ON ROOM SIDE. INSTALL 5/8" GYP. BD. ABOVE 7'-6" UP TO SCHEDULED PARTITION HEIGHT
2.6 1 IN. THICK GYPSUM LINER PANEL
2.7 ONE LAYER 5/8 IN. TYPE 'X' GYP. BD. EACH SIDE (ABOVE CEILING)
2.8 TWO LAYERS 5/8 IN. TYPE 'X' GYP. BD. EACH SIDE (ABOVE CEILING)
2.9 & 2.10 NOT USED
2.11 ONE LAYER 5/8" TYPE 'X' GLASS-MAT BACKER BOARD WITH THIN-SET TILE UP TO CEILING. TRANSITION TO 5/8" TYPE 'X' MR GYP BOARD FROM ABOVE CEILING TO STRUCTURE ABOVE
2.12 ONE LAYER 5/8" TYPE 'X' MR GYP. BD. PLUS ONE LAYER 5/8" TYPE 'X' GLASS-MAT BACKER BOARD WITH THIN-SET TILE UP TO CEILING. TRANSITION TO 5/8" TYPE 'X' MR GYP BOARD FROM ABOVE CEILING TO STRUCTURE ABOVE
3.1 SOUND ATTENUATION BATT INSULATION. 3.5" THICK
3.2 SOUND ATTENUATION BATT INSULATION BOTH SIDES OF STUD CAVITY. 3.5" THICK
3.3 SOUND ATTENUATION BATT INSULATION. 3.5" THICK. DRAPE OVER & EXTEND 4 FT. EACH SIDE OF PARTITION
3.4 CEILING. SEE CEILING PLAN FOR TYPES / LOCATIONS
3.5 ACOUSTICAL CEILING PANELS. WHERE PANELS W/ COMBINED NRC/CAC RATINGS OF .70/35 (OR BETTER) ARE USED, DRAPED INSULATION MAY BE OMITTED
3.6 ACOUSTICAL SEALANT JOINT. PROVIDE CONT. BEAD UNDER EACH LAYER GYP BD
3.7 ACOUSTICAL SEALANT JOINT. AT FLUTED DECKS, COPE GYP. BD. TO UNDERSIDE OF DECK. FILL VOIDS W/ INSULATION. APPLY ACOUSTICAL SEALANT CONT. AT JOINT
3.8 UL LISTED FIRE-RESISTANCE RATED HW (HEAD OF WALL) JOINT
3.9 UL LISTED FIRE-RESISTANCE RATED BW (BOTTOM OF WALL) JOINT
3.10 EXTEND GYP BOARD TO TOP OF TRACK TO ESTABLISH A DRAFT STOP ASSEMBLY. CONDUIT TURNOUTS AND ELECTRICAL BOXES MUST STAND CLEAR OF MET. STUDS TO ALLOW FOR APPLICATION OF UNINTERRUPTED GYPSUM MEMBRANE
3.11 STEEL BENT PLATE END WALL SUPPORT. SEE JAMB/END POST DETAIL ON G1.22
3.12 WALL CAP. SEE DETAILS ELSEWHERE ON THESE DRAWINGS
4.1 INSTALL 2 LAYERS 5/8" GYP BOARD ON RADIOGRAPHY ROOM SIDE OF PARTITION (EXTEND 2ND LAYER UP TO 4" ABOVE CEILING)

PARTITION KEY

TYPE 1G 3 5/8" METAL STUDS	1G	1G	TYPE 1G 6" METAL STUDS
TYPE 1S 4" METAL CH STUDS	1S	1S 2.5"	TYPE 1S 2.5" METAL CH STUDS
TYPE 0M 8" CMU	0M	0M 4"	TYPE 0M 4" CMU
TYPICAL PARTITION (SHOWN THUS)		VARIANT PARTITION (SHOWN THUS)	

STANDARD FRAMING
3 5/8" METAL STUDS •
4" METAL CH STUDS •
8" CMU •

PARTITIONS TO BE STANDARD FRAMING EXCEPT WHERE VARIANT FRAMING SIZE IS INDICATED

VARIANT FRAMING
• WHERE APPLICABLE, SIZE IS SHOWN IN INCHES BELOW PARTITION TYPE

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Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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PARTITION TYPES

G1.21

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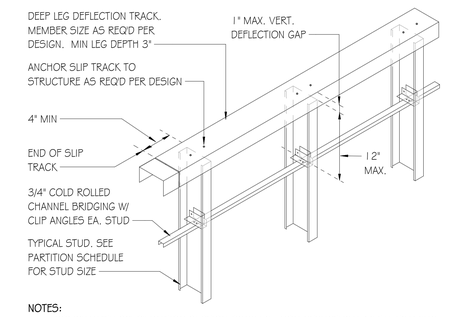
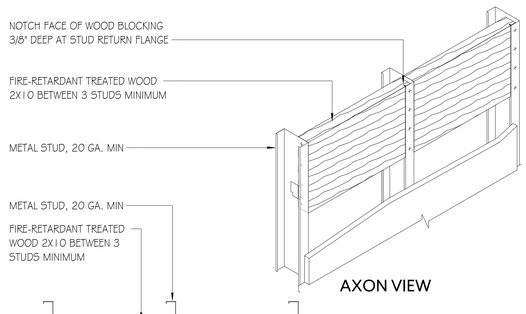
HEAD OF WALL FIRESTOPPING



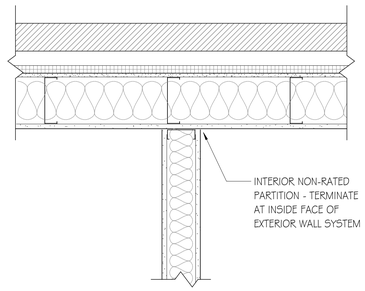
NOTES:
1. COMPLY WITH SPECIFICATION SECTION 092216 - NON-STRUCTURAL METAL FRAMING.
2. PROVIDE 3/4" CR CHANNEL BRIDGING AT 12" MAX. FROM TOP OF WALL.
3. PROVIDE ADDITIONAL 3/4" CR CHANNEL BRIDGING AT 48" OC VERT AT FULL HEIGHT ONE-SIDED PARTITIONS (GYP BOARD ONE SIDE ONLY), OR AS REQ'D PER DESIGN.

E7 SLIP TRACK DETAIL
SCALE: 1 1/2" = 1'-0"

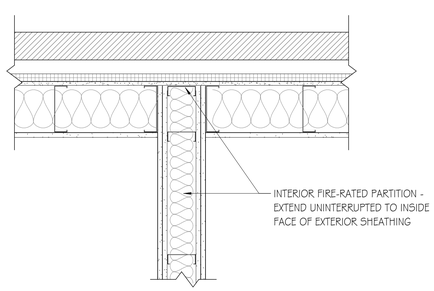


E10 BLOCKING DETAIL
SCALE: 1 1/2" = 1'-0"

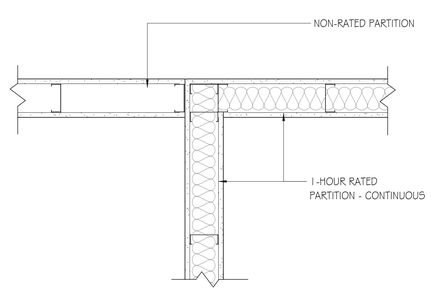
WALL PRIORITY DIAGRAMS



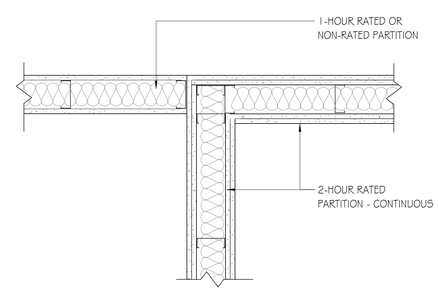
C1 NON-RATED PARTITION @ EXT. WALL
SCALE: 1 1/2" = 1'-0"



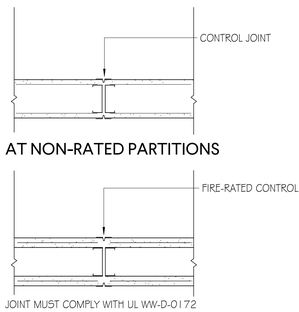
C4 RATED PARTITION @ EXT. WALL
SCALE: 1 1/2" = 1'-0"



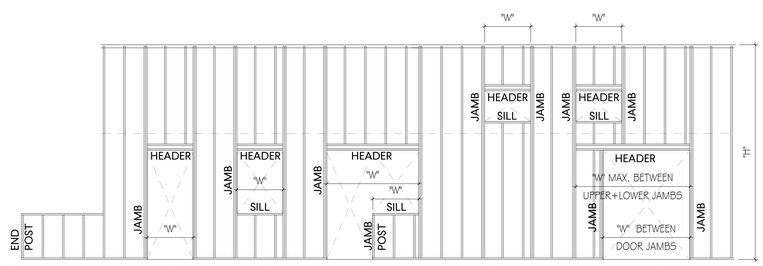
C7 PARTITION INTERSECTION 1
SCALE: 1 1/2" = 1'-0"



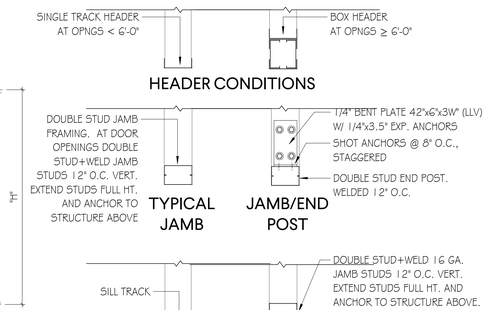
C10 PARTITION INTERSECTION 2
SCALE: 1 1/2" = 1'-0"



A1 CONTROL JOINT DETAILS
SCALE: 1 1/2" = 1'-0"



A4 STUD FRAMING DETAILS
SCALE: 1 1/2" = 1'-0"



NOTES:
1. DESIGN IS BASED ON A DIFFERENTIAL INTERNAL PRESSURE OF 5 POUNDS PER SQUARE FOOT, AND AN ALLOWABLE DEFLECTION OF L/240.
2. THE STEEL STUD GAUGE IS BASED ON STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) PROPERTIES AND PROCEDURES FOR ENGINEERING INTERIOR NON-STRUCTURAL NON-COMPOSITE FRAMING.
3. WHEN TYPICAL STUD SPANS EXCEED THOSE SHOWN, WHEN LOADING CONDITIONS ARE OTHER THAN STATED, OR FOR OPENING WIDTHS OR HEIGHTS EXCEEDING THOSE SHOWN, CONSULT STRUCTURAL ENGINEER.

STEEL STUD GAUGE FOR 3-5/8" & 6" HEADER, JAMB, AND SILL STUDS AND TRACKS

WIDTH "W"	HEIGHT "H"							
	‹ 8'	8' - 9'	9' - 10'	10' - 11'	11' - 12'	12' - 13'	13' - 14'	14' - 15'
‹ 4'	20	20	20	20	20	18	16	14
4' - 6'	20	20	20	20	18	16	14	
6' - 8'	20	20	20	18	16	14		
8' - 10'	20	20	18	16	14			
10' - 12'	18	18	16	14				

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Goodwyn Mills Cawood, LLC
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Atlanta, GA 30339
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PARTITION DETAILS

G1.22

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OVERALL BUILDING AREA

LEVEL	AREA (GROSS SQUARE FEET)
1	4,645 GSF
TOTAL	4,645 GSF

APPLICABLE CODES & REGULATIONS

2018	INTERNATIONAL BUILDING CODE (IBC) W/ GEORGIA AMENDMENTS
2018	INTERNATIONAL FUEL GAS CODE (IFGC) W/ GEORGIA AMENDMENTS
2018	INTERNATIONAL MECHANICAL CODE (IMC) W/ GEORGIA AMENDMENTS (2020)
2018	INTERNATIONAL PLUMBING CODE (IPC) W/ GEORGIA AMENDMENTS
2018	INTERNATIONAL FIRE CODE (IFC) W/ GEORGIA AMENDMENTS
2020	NATIONAL ELECTRICAL CODE (NEC) W/ GEORGIA AMENDMENTS
2015	INTERNATIONAL ENERGY CONSERVATION CODE (IECC) GEORGIA AMENDMENTS
2013	ANSI/ASHRAE/IESNA STANDARD 90.1
2010	STANDARDS FOR ACCESSIBLE DESIGN

OCCUPANCY CLASSIFICATION — IBC CH 3

OCCUPANCY	PRIMARY : BUSINESS

SPECIAL REQUIREMENTS — IBC CH 4

NO SPECIAL REQUIREMENTS ARE APPLICABLE PER IBC CHAPTER 4.

CONSTRUCTION CLASSIFICATION — IBC CH 5

CONSTRUCTION TYPE	TYPE II B - NON- SPRINKLERED	
HEIGHT	ALLOWABLE: 55 FEET	ACTUAL: 22' 6"
# OF STORIES	ALLOWABLE: 3	ACTUAL: 1
HEIGHT MODIFICATIONS	[MODIFICATION CALCULATION IF NECESSARY]	
AREA PER FLOOR	ALLOWABLE: 23,000 SF/STORY	ACTUAL: LEVEL 1 - 4,645 SF GROSS
AREA MODIFICATIONS : PER IBC CH 5, BUILDING AREAS LIMITED BY TABLE 503 SHALL BE PERMITTED TO BE INCREASED DUE TO FRONTAGE AND AUTOMATIC SPRINKLER SYSTEM PROTECTION		
FRONTAGE INCREASE (IF)		
AUTOMATIC SPRINKLER INCREASE (AA)	NOT APPLICABLE	

FIRE RESISTANCE - STRUCT. ELEMENTS — IBC CH 6

RESISTANCE REQUIRED BY IBC TYPE TABLE 601

CONSTRUCTION TYPE : II B

	RESISTANCE REQUIRED	RESISTANCE PROVIDED	
		RATING	ACHIEVED BY
BUILDING ELEMENT - STRUCTURAL			
PRIMARY STRUCTURAL FRAME (PER CH 2 WITH RATING NOT LESS THAN CH 7)			
COLUMNS STRUCTURAL MEMBERS HAVING DIRECT CONNECTION TO COLUMNS - BEAMS, GIRDERS, TRUSSES, AND SPANDRELS	0- HR	0	UL #
BEARING WALLS			
EXTERIOR WALLS (RATING NOT LESS THAN CH 6 OR CH 7)	0- HR	0	UL #
INTERIOR WALLS	0- HR	0	UL #
NON BEARING WALLS AND PARTITIONS			
EXTERIOR WALLS (BASED ON FIRE SEPARATION DISTANCE PER CH 6)	0- HR	0	UL #
NON BEARING WALLS AND PARTITIONS			
INTERIOR WALLS (RATING NOT LESS THAN REQUIRED BY SECTIONS OTHER THAN SECTION 6)	0- HR	0	UL #
FLOOR CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)			
FLOOR CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS	0- HR	0	UL #
ROOF CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)			
ROOF CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS	0- HR	0	UL #

FIRE RESISTANCE - WALLS / PARTITIONS — IBC CH 7

[SPECIAL PROVISION NOTES FOR FIRE RESISTANCE FOR WALLS AND PARTITIONS IF APPLICABLE]

FIRE RESISTANCE - WALLS & PARTITIONS — IBC CH 7

WALLS AND PARTITIONS	IBC TBL.	OPENING PROTECTION	RESISTANCE PROVIDED RATING	RESISTANCE PROVIDED ACHIEVED BY
NOT APPLICABLE	716.5			

MEANS OF EGRESS

MAXIMUM ALLOWABLE	[BUSINESS]
TRAVEL DISTANCE TO EXIT	200 FT
COMMON PATH OF TRAVEL	75 FT
DEAD END LENGTH	20 FT
EGRESS OCCUPANTS (DESIGN LOAD)	LEVEL 1 : CALCULATION VALUES — OCCUPANCY COUNT OCC TYPE : BUSINESS — 90 AGGREGATE OCCUPANT LOAD = 90 OCCUPANTS
EGRESS WIDTH	REQUIRED: 0.2" PER OCCUPANT X 22 OCCUPANTS = 4.4" (minimum 32" required) — PROVIDED: 36"

PLUMBING FIXTURE TABULATIONS

OCCUPANCY	OCCUPANT LOAD (ACTUAL)	ACTUAL LOAD CALCULATIONS: WC M	WC F	WC U/SX	LAV M	LAV F	LAV U/SX	BATH/ SHOWER	DRINKING FOUNTAIN	SVC SINKS
B BUSINESS & KITCHEN	90 45 EA M F	1	1	-	1	1	-	-	1	1
TOTAL REQUIRED		2	2	-	2	2	-	-	1	1
TOTAL PROVIDED		2	3	1	2	2	1	1	2	1

NOTE: ANY ADDITIONAL PLUMBING FIXTURES IF AND AS MAY BE REQUIRED BY AN INCIDENTAL / SECONDARY OCCUPANCY WILL BE PROVIDED WITHIN THAT OCCUPANCY.

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Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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LIFE SAFETY - CODE ANALYSIS

G2.00

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OCCUPANT LOAD BY FLOOR AREA

ROOM NAME	ROOM NUMBER	ROOM/OCCUPANCY USE	SF/ PERSON	AREA	OCCUPANT LOAD
LOBBY	100	BUSINESS AREAS	150	715 SF	5
MEN'S RR	102	(none)		156 SF	0
WOMEN'S RR	103	(none)		156 SF	0
JANITOR	104	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	32 SF	1
KITCHEN	105	BUSINESS AREAS	150	155 SF	2
COLLABORATION ROOM	106	BUSINESS AREAS -COLLABORATION SPACE > 450 SF	15	1138 SF	76
CORRIDOR	107	(none)		170 SF	0
SUPPLY	108	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	72 SF	1
MECHANICAL	109	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	78 SF	1
BATH	110	(none)		77 SF	0
PILOT'S AREA	111	BUSINESS AREAS	150	106 SF	1
VENDING	112	BUSINESS AREAS	150	92 SF	1
ELECT. DATA	113	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	101 SF	1
F.B.O	114	BUSINESS AREAS	150	114 SF	1
STOR.	115	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	14 SF	1
OFFICE	116	BUSINESS AREAS	150	138 SF	1
LINEMAN OFFICE	117	BUSINESS AREAS	150	137 SF	1
STOR.	118	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	13 SF	1
CORRIDOR	119	(none)		189 SF	0
STOR.	120	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	13 SF	1
OFFICE	121	BUSINESS AREAS	150	138 SF	1
OFFICE	122	BUSINESS AREAS	150	139 SF	1
STOR.	123	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	14 SF	1
VISITOR'S OFFICE	124	BUSINESS AREAS	150	114 SF	1
				4073 SF	99

PLAN LEGEND

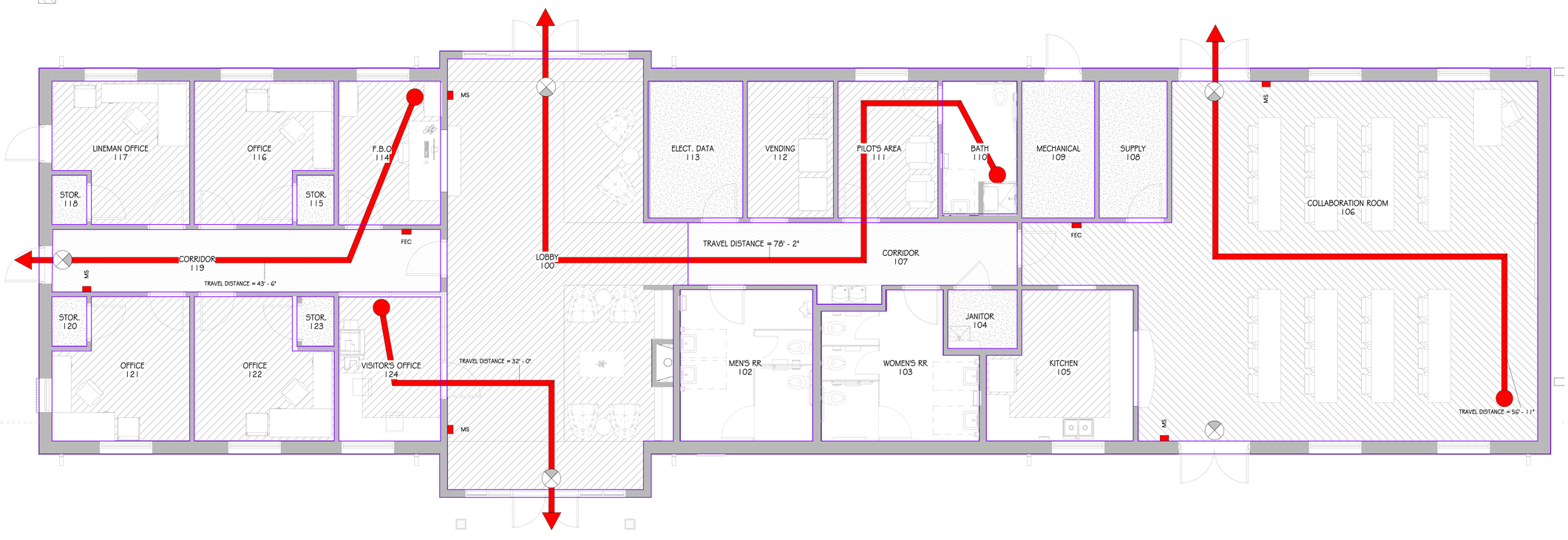
- FE — FIRE EXTINGUISHER
- FHC — FIRE HOSE CONNECTION
- FEC — FIRE EXTINGUISHER CABINET
- MS — FIRE ALARM MANUAL PULL STATION
- FH — FIRE ALARM HORN
- FS — FIRE ALARM STROBE
- FHS — FIRE ALARM HORN/STROBE
- FHS — FIRE ALARM HORN/STROBE-CEILING MT
- FACP — FIRE ALARM CONTROL PANEL
- FAAP — FIRE ALARM ANNUNCIATOR PANEL
- FAP — FIRE ALARM PANEL /SUBPANEL
- ILLUMINATED EXIT SIGN
- 60" EXIT DISCHARGE — EXIT DISCHARGE W/ CLEAR EXIT WIDTH (EXIT AND EXIT ACCESS SYMBOLS SIMILAR)
- ACC — ADA ACCESSIBLE ROUTE
- DISTANCE OF TRAVEL
- 0 - HR SMOKE-RESISTIVE PARTITION
- 1 - HR SMOKE BARRIER
- 1 - HR FIRE BARRIER

LIFE SAFETY SIGNAGE LEGEND

- SN1 — EMERGENCY EVACUATION MAP SIGNAGE
- SN2 — DOOR WITH MANUAL CLOSURE SIGNAGE
- SN3 — OCCUPANCY COUNT SIGNAGE
- SN4 — STORM SHELTER DESIGN SIGNAGE
- SN5 — STORM SHELTER ACCESS SIGNAGE
- SN6 — STORM SHELTER ENTRANCE SIGNAGE
- AID — FIRST AID KIT

OCCUPANCY LEGEND

- (none)
- ACCESSORY STORAGE, MECHANICAL EQUIP ROOM
- BUSINESS AREAS
- BUSINESS AREAS -COLLABORATION SPACE > 450 SF



A1 LIFE SAFETY PLAN

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

TRUE NORTH

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Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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LIFE SAFETY PLAN

G2.01

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GENERAL NOTES

1. ALL WORK DESCRIBED, SHOWN, REFERENCED, OR OTHERWISE INDICATED IN OR ON THE DRAWINGS, PROPOSAL, ADVERTISEMENT AND SPECIFICATIONS ARE TO BE COMPLETED IN-PLACE AND SERVICEABLE ACCORDING TO THE PLANS, INSTRUCTIONS, SPECIFICATIONS, LINES AND GRADES INDICATED ON THE PLANS AND ALL APPLICABLE STATE, FEDERAL, AND MUNICIPAL CODES AND STANDARDS. INDIVIDUAL ITEMS OF WORK THAT ARE NECESSARY TO COMPLETE THE PROJECT TO THE LINES AND GRADES, WHETHER SHOWN OR DESCRIBED IN THE PLANS AND SPECIFICATIONS, ARE TO BE CONSIDERED INCIDENTAL AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.

2. THE CONTRACTOR IS EXPECTED TO CAREFULLY EXAMINE THE PLANS, PROJECT MANUAL AND SITE OF THE WORK. THEREFORE, IT WILL BE ASSUMED THAT THE BIDDER HAS SATISFIED HIMSELF AS TO THE CONDITIONS TO BE ENCOUNTERED IN REGARDS TO THE CHARACTER, QUALITY, AND QUANTITIES OF WORK TO BE PERFORMED AND MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND CONTRACT. THE SUBMISSION OF A PROPOSAL BY A BIDDER WILL BE CONSIDERED PRIMA FACIE EVIDENCE THAT THE BIDDER HAS MADE SUCH AN EXAMINATION.

3. THE WORK ON THIS PROJECT SHALL ADHERE TO THE FOLLOWING SPECIFICATIONS, STANDARDS AND/OR REGULATIONS:

-ENVIRONMENTAL PROTECTION DIVISION, GEORGIA (EPD) AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) -- "BEST MANAGEMENT PRACTICES MANUAL" AND THE REQUIREMENTS OF THE SITE SPECIFIC NPDES DISCHARGE PERMIT ISSUED FOR THIS PROJECT.
-GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION) .
-JACKSON COUNTY STANDARDS AND SPECIFICATIONS.
-CITY OF JEFFERSON STANDARDS AND SPECIFICATIONS.
-THE DRAWINGS AND SPECIFICATIONS.
-APPLICABLE FAA STANDARDS AND SPECIFICATIONS/ADVISORY CIRCULARS INCLUDING, BUT MAY NOT BE LIMITED TO:
-150/5210-5, 150/5340-18, 150/5340-1, 150/5370-2G, 150/5220-23, AND FEDERAL SPECIFICATIONS KKK-A-1822.

*IF CONFLICTS ARISE BETWEEN THESE REQUIREMENTS, THE MORE STRINGENT SHALL APPLY.

4. THE CONTRACTOR IS RESPONSIBLE FOR HAVING ALL EXISTING UTILITIES LOCATED PRIOR TO CONSTRUCTION, INCLUDING STUBOUTS. EXISTING UTILITIES SHOWN HAVE BEEN DRAWN USING THE BEST AVAILABLE INFORMATION AND HAVE NOT BEEN FIELD VERIFIED. ALL EXISTING UTILITIES TO BE UNCOVERED AND VERIFIED AS TO SIZE, LOCATION, ELEVATION AND CONDITION PRIOR TO COMMENCEMENT OF CONSTRUCTION.

5. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES CONCERNING CONFLICTS, RELOCATION, REMOVAL, AND INTERRUPTIONS OF SERVICE.

6. THE CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH REMOVING AND/OR RELOCATING EXISTING UTILITIES AND STRUCTURES TO CONSTRUCT THE IMPROVEMENTS SHOWN IN THESE PLANS. THE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION FOR REMOVING AND/OR RELOCATING ANY EXISTING ITEMS, WITHIN THE LIMITS OF WORK.

7. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ALL PERMITS FOR THIS PROJECT. THE CONTRACTOR SHALL BE IN POSSESSION OF ALL REQUIRED PERMITS PRIOR TO ANY CONSTRUCTION EFFORTS.

8. ANY CHANGES OR REVISIONS MADE TO THE SITE PLANS SHALL BE SUBMITTED FOR APPROVAL TO THE CITY OF JEFFERSON AND ALL OTHER PERTINENT AGENCIES.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXTENT, LOCATION AND ELEVATION OF THE EXISTING IMPROVEMENTS. IF ANY SIGNIFICANT DIFFERENCE IN SITE CONDITION OR ELEVATION IS FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.

10. SEE THE REPORT OF GEOTECHNICAL INVESTIGATION PERFORMED BY GOODWYN MILLS CAWOOD, LLC., DATE AUGUST 25, 2022 FOR GENERAL EARTHWORK AND PAVEMENT EVALUATIONS AND RECOMMENDATIONS. SPECIFIC CONSTRUCTION CONCERNS AND ACTUAL CONSTRUCTION MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND FAMILIARIZING HIMSELF WITH THE INVESTIGATION AND THE EVALUATIONS AND RECOMMENDATIONS CONTAINED THEREIN.

11. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, CENTER OF STRIPE, FACE OF BUILDING OR AS SPECIFIED IN THE PLANS.

12. THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL CONNECTION POINT, SERVICE, SIZE, POLE LOCATIONS, AND TRANSFORMER LOCATIONS WITH THE SERVICE PROVIDER PRIOR TO CONSTRUCTION ACTIVITIES.

13. THE CONTRACTOR SHALL PAY ALL CONNECTION COSTS AND FEES, INCLUDING BUT NOT LIMITED TO TAPPING FEES, METER COSTS, SETTING CHARGES, AND CONNECTION CHARGES.

14. IF BLASTING IS REQUIRED, THE CONTRACTOR WILL NEED PRIOR BE RESPONSIBLE FOR ALL PRE-BLAST SURVEYS AND ANY INCIDENTS ASSOCIATED WITH THE BLASTING.

15. ALL EXISTING AND NEW STORM DRAINAGE INLETS, STRUCTURES, AND PIPES SHALL BE CLEANED OF TRASH AND SEDIMENTS ON A REGULAR BASIS, WEEKLY AT A MINIMUM, SO AS NOT TO ALLOW DOWNSTREAM POLLUTION OF RECEIVING WATERS OR THE ESCAPING OF SEDIMENTS OFF SITE.

16. THE CONTRACTOR WILL BE RESPONSIBLE FOR TEMPORARY DIVERSION BERMS AND/OR DITCHES AND SHALL BE PROVIDED AS REQUIRED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS. THIS TEMPORARY DRAINAGE OF RUNOFF IS CONSIDERED INCIDENTAL TO THE BID.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING DUST TO A MINIMUM THROUGH THE USE OF WATER TRUCKS OR OTHER DUST CONTROLLING METHODS THROUGHOUT THE CONSTRUCTION PERIOD.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING EROSION AND SILTATION OFF OF ADJACENT AND DOWNSTREAM PROPERTIES AND/OR ADJOINING SITES. AT HIS EXPENSE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SEDIMENTS AND DEBRIS ESCAPING THIS PROJECT SITE, THE REMEDIATION AND/OR REPAIR OF ANY DAMAGE THAT MAY OCCUR AS A RESULT TO ADJOINING AND/OR DOWNSTREAM AFFECTED PROPERTIES OR OFFSITE STRUCTURES, AND ANY FINES OR PENALATIES LEVIED AGAINST THE PROJECT BY REGULATORY AGENCIES DUE TO DEFICIENCIES OF CONTROL MEASURES.

19. ALL DISTURBED AND REGRADED AREAS NOT TO BE PAVED SHALL RECEIVE TOPSOIL AND BE SEEDED AND MULCHED ACCORDING TO GDOT, PERMANENT SEEDING SCHEDULES, COVERED WITH SOLID SOD, OR AS SHOWN ON THE LANDSCAPE PLAN (IF ANY). LOCALIZED EROSION AND RILLS SHALL BE REPAIRED AS NECESSARY AT THE CONTRACTORS EXPENSE. AREAS TO BE SEEDED SHALL RECEIVE 4" OF TOPSOIL AND AREAS TO BE SODDED SHALL RECEIVE 2" (MIN.) OF TOPSOIL. ACCOUNT FOR THICKNESS OF TOPSOIL WITH RESPECT TO FINISHED GRADES.

20. THE CONTRACTOR MUST ADJUST ALL VALVE BOXES, COVERS, METERS, MANHOLE RIMS, AND OTHER WATER, STORM, POWER, TELECOMMUNICATIONS AND SANITARY SEWER SERVICE APPURTENANCES TO FINAL GRADE. THE COST OF THESE ADJUSTMENTS SHALL BE INCLUDED IN THE BID.

21. THESE PLANS HAVE NOT BEEN APPROVED BY ALL OF THE REGULATORY AGENCIES AT THIS TIME. THE CONTRACTOR SHALL ANTICIPATE REVISIONS AND/OR DELAYS ASSOCIATED WITH OBTAINING PLAN APPROVAL. THE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION FOR SAID DELAYS.

22. ALL UTILITY BORES SHALL BE A MINIMUM OF 4 FT DEEP. ANY DAMAGE TO EXISTING STREETS OR DRIVES RESULTING FROM A UTILITY BORE SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

23. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR TO PUBLIC AND PRIVATE ROADS CAUSED BY HIS ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MEET WITH PRIVATE ENTITIES, STATE, CITY AND COUNTY OFFICIALS TO AGREE UPON AND RECORD THE CONDITIONS OF THE ROADS BEFORE CONSTRUCTION COMMENCES.

24. ALL PAVING WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF GDOT'S STANDARDS AND SPECIFICATIONS. ALL STRIPING AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD.

25. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE CONSTRUCTION SEQUENCE OF ALL UNDERGROUND UTILITIES WITH THE BUILDING FOOTINGS/FOUNDATIONS, RETAINING WALLS, COLUMNS, STEPS, LIGHT POLES, INLETS, MANHOLES AND ALL OTHER ABOVE OR BELOW GRADE IMPROVEMENTS.

26. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH SHORING/STABILIZING EXISTING UTILITIES DURING CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

27. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF ANY AND ALL WATER AND SANITARY SEWER FEES, TAPPING FEES, CONNECTION FEES, ETC.

28. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH AN AS-BUILT SURVEY OF THE SANITARY SEWER LINE, STORM SEWER SYSTEM AND POND. THE SURVEY SHALL INCLUDE ALL PIPES, MANHOLES, STORM SEWER STRUCTURES, POND OUTLET STRUCTURE, SPILLWAYS AND THE POND. THE SURVEY SHALL BE PERFORMED ON THE SAME DATUM AND COORDINATE SYSTEM OF THESE PLANS. THE SURVEY SHALL BE PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE AND STAMPED BY A SURVEYOR LICENSED IN THE STATE OF GEORGIA.

29. THE CONTRACTOR SHALL PLACE SANITARY SEWER CLEANOUTS A MAXIMUM OF 75 FEET ON CENTER ALONG THE SANITARY SEWER LATERALS.

30. ALL PIPES SHALL BE INSTALLED PER THE PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT AND MANUFACTURERS SPECIFICATIONS, IF CONFLICTS ARISE THE MORE STRINGENT SHALL APPLY.

31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING ALL TRENCH EXCAVATIONS FOR THIS PROJECT ARE IN ACCORDANCE WITH OSHA REGULATIONS.

32. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL INVERT ELEVATIONS, PERCENT OF GRADE, PIPE SIZES, ETC. AS THE IMPROVEMENTS ARE INSTALLED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SANITARY SEWER GRADES FOR COMPLIANCE WITH THE MINIMUM REQUIREMENTS PRIOR TO FINAL GRADING AND PAVING OPERATIONS.

33. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SATISFY HIMSELF OF THE ACCURACY OF THE SURVEY INFORMATION PRIOR TO COMMENCING CONSTRUCTION.

GRADING AND DRAINAGE NOTES:

1. UNSTABLE AND PUMPING SUB GRADE CONDITIONS MAY OCCUR DURING SITE PREPARATION AND UNDERCUTTING OPERATIONS. PROPER PROTECTION OF SUB GRADE, DRAINAGE AND DEWATERING WILL BE CRITICAL TO SITE CONSTRUCTION EFFORTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MINIMIZE EQUIPMENT TRAFFIC ACROSS THE SITE. EVERY EFFORT SHALL BE MADE TO LOCALIZE EQUIPMENT STAGING AND TRAFFIC TO SPECIFIC AREAS AND LIMIT THE AMOUNT OF UNDERCUTTING AND SOIL STABILIZATION THAT MAY BE NEEDED. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR FURTHER RECOMMENDATIONS.

2. ALL DRAINAGE STRUCTURES, INLETS BOXES, MANHOLES, ETC. SHALL BE POURED IN PLACE OR PRE CAST CONCRETE AS REQUIRED.

3. BRICK WILL ONLY BE ALLOWED TO ADJUST GRADE ON STORM MANHOLES. THE MAXIMUM ALLOWABLE HEIGHT OF BRICK SHALL BE 11 INCHES.

4. ALL DRAINAGE STRUCTURES, INLET BOXES, AND CATCH BASINS SHALL HAVE 2" WEEP HOLES FORMED, OR DRILLED, ON ALL SIDES WHERE DRAINAGE PIPES DO NOT INTERFERE WITH THEM. ALL WEEP HOLES SHALL HAVE GRAVEL WRAPPED WITH FILTER FABRIC AT THEIR INTERFACE WITH BACK FILL TO AID GROUNDWATER FLOW TO THE WEEP HOLE.

5. ALL GRADING OPERATIONS SHALL BE MONITORED BY A QUALIFIED GEOTECHNICAL CONSULTANT AS CHOSEN AND PAID FOR BY THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING SAID CONSULTANT IN ADVANCE OF ALL REQUIRED TESTING AND SECURING COPIES OF RESULTING REPORTS.

6. ALL EXCESS EXCAVATION CREATED BY GRADING OPERATIONS SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF SITE.

7. ALL SPOT ELEVATIONS SHOWN REFLECT ELEVATIONS AT GUTTER LINE, ASPHALT, OR FINISHED GROUND ELEVATION, UNLESS OTHERWISE NOTED. TOP AND BOTTOM ELEVATIONS FOR RETAINING WALLS (IF ANY) REPRESENT THE FINISHED GROUND ELEVATION AT THE WALL, NOT FOOTINGS, RAILINGS ETC.

8. ALL STORM DRAINAGE PIPE LABELED "RCP" SHALL BE CLASS 3 MINIMUM REINFORCED CONCRETE PIPE WITH TYPE 1, 2 OR 3 BEDDING UNLESS SPECIFICALLY SHOWN OTHERWISE IN THE PLANS. IF ANOTHER TYPE OF PIPE IS SPECIFIED, BEDDING AND BACKFILL SHALL BE AS PER LATEST GDOT STANDARDS AND SPECS.

9. ALL REINFORCED CONCRETE STORM SEWER PIPE JOINTS SHALL BE WRAPPED WITH FILTER CLOTH. THE PIPE DOWNSTREAM OF THE POND OUTLET SHALL HAVE WATER TIGHT JOINTS.

10. ALL EXISTING AND NEW STORM DRAINAGE INLETS, STRUCTURES, AND PIPES SHALL BE CLEANED OF TRASH AND SEDIMENTS ON A REGULAR BASIS, WEEKLY AT A MINIMUM, SO AS NOT TO ALLOW DOWNSTREAM POLLUTION OF RECEIVING WATERS OR THE ESCAPING OF SEDIMENTS OFF SITE.

ITEM No.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE
1.	151-1000	MOBILIZATION	1	LS
2.	202-1000	CLEARING AND GRUBBING	6.0	AC
3.	P-152-401-01	UNCLASSIFIED EXCAVATION	3,432.0	CY
4.	P-152-405-01	BORROW EXCAVATION	2,252	CY
		Paving		
5.	310-5080	GR AGGR BASE CRS, 8 INCH, INCL MATL	6,352	SY
6.	402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL POLYMER MODIFIED BITUM MATL & H LIME (2 IN LIFT)	610	TN
7.	402-3103	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE II, GP 2 ONLY, INCL BITUM MATL & H LIME (2 INCH LIFT)	610	TN
8.	412-1000	BITUMINOUS PRIME	1,053.0	GL
9.	413-0750	TACK COAT	278	GL
10.	441-0104	CONC SIDEWALK, 4 IN	284	SY
11.	441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	806	LF
12.	652-0095	PAVEMENT MARKING, HANDICAP SYMBOL	2	EA
13.	652-5451	SOLID TRAFFIC STRIPE, 5 IN, WHITE	718	LF
14.	652-5452	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	230	LF
		Drainage		
15.	500-3800	CLASS A CONCRETE, INCL REINF STEEL (HEADWALL, 18 IN)	2	CY
16.	550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	319	LF
17.	550-1360	STORM DRAIN PIPE, 36 IN, H 1-10	439	LF
18.	550-4118	FLARED END SECTION 18 IN, SIDE DRAIN	1	EA
19.	D-44	POND OUTLET STRUCTURE	1	EA
20.	610-5715	REM CATCH BASIN, DROP INLET, OR JCT BOX	1	EA
21.	668-2100	DROP INLET, GP 1 (PEDESTAL TOP)	3	EA
		Erosion Control		
22.	163-0232	TEMPORARY GRASSING	3	AC
23.	163-0240	MULCH	430	TN
24.	163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	1	EA
25.	163-0529	CONSTRUCT AND REMOVE TEMPORARY STONE CHECK DAMS	48	LF
26.	163-0001	STORM DRAIN OUTLET PROTECTION	25	SY
27.	163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	6	EA
28.	165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	1,656	LF
29.	163-0542	FILTER RING	1	EA
30.	D-22B	FLOATING SURFACE SKIMMER	1	EA
31.	165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	6	EA
32.	700-6910	PERMANENT GRASSING	3	AC
33.	708-1000	PLANT TOPSOIL	492	CY
		Utility		
34.	610-0215	REM CHAIN LINK FENCE, 6 FT W/BARBED WIRE & EXT ARMS & GATES	827	LF
35.	660-1905	GATE VALVE, 2 IN	1	EA
36.	660-2042	SEWER LATERAL (CLEANOUTS INCLUDED)	100	LF
37.	670-3010	TAPPING VALVE	1	EA

NOTE: ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS, 2021 EDITION, OR AS MODIFIED BY THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE REQUIRED TO HAVE A COPY OF THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS AND CONSTRUCTION STANDARD DETAILS ON THE PROJECT SITE AT ALL TIMES DURING CONDTRUCTION.

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE | DATE
CONSTRUCTION | 1/29/2024
DEVELOPMENT

DRAWN BY: Author
CHECKED BY: Checker

JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

NOT FOR CONSTRUCTION

GENERAL NOTES

C-001
sheet X of X

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1

BUILDING RIDGE
LAT: 34° 10'13.77" N
LONG: 83° 33'42.28" W
BUILDING HEIGHT: 961.50'
GROUND ELEV: 943.80'

BUILDING RIDGE
LAT: 34° 10'13.68" N
LONG: 83° 33'42.25" W
BUILDING HEIGHT: 965.20'
GROUND ELEV: 943.80'

BUILDING RIDGE
LAT: 34° 10'13.58" N
LONG: 83° 33'42.22" W
BUILDING HEIGHT: 961.50'
BUILDING ELEV: 943.80'

RUNWAY 35

35

AIRFIELD BARRICADES

BUILDING CORNER
LAT: 34° 10'14.12" N
LONG: 83° 33'42.41" W
BUILDING HEIGHT: 954.70'
GROUND ELEV: 943.80'

450' TO RUNWAY 17/35 CENTERLINE

TSA TSA

RSA

BUILDING CORNER
LAT: 34° 10'12.84" N
LONG: 83° 33'41.95" W
BUILDING HEIGHT: 954.70'
GROUND ELEV: 943.80'

BUILDING RIDGE
LAT: 34° 10'14.07" N
LONG: 83° 33'42.61" W
BUILDING HEIGHT: 959.10'
GROUND ELEV: 943.80'

ROFA

BRL

BUILDING RIDGE
LAT: 34° 10'12.79" N
LONG: 83° 33'42.15" W
BUILDING HEIGHT: 959.10'
GROUND ELEV: 943.80'

BUILDING CORNER
LAT: 34° 10'14.02" N
LONG: 83° 33'42.81" W
BUILDING HEIGHT: 954.70'
GROUND ELEV: 943.80'

1 3 2 4

BUILDING CORNER
LAT: 34° 10'12.74" N
LONG: 83° 33'42.35" W
HEIGHT ELEV: 954.70'
GROUND ELEV: 943.80'

BUILDING CORNER
LAT: 34° 10'13.67" N
LONG: 83° 33'42.68" W
BUILDING HEIGHT: 955.20'
GROUND ELEV: 943.80'

BUILDING CORNER
LAT: 34° 10'13.48" N
LONG: 83° 33'42.61" W
HEIGHT ELEV: 955.20'
GROUND ELEV: 943.80'

BUILDING CORNER
LAT: 34° 10'13.58" N
LONG: 83° 33'43.04" W
BUILDING HEIGHT: 953.62'
GROUND ELEV: 942.22'

BUILDING CORNER
LAT: 34° 10'13.39" N
LONG: 83° 33'42.97" W
HEIGHT ELEV: 953.73'
GROUND ELEV: 942.33'

BUILDING RIDGE
LAT: 34° 10'13.49" N
LONG: 83° 33'43.00" W
BUILDING HEIGHT: 956.78'
GROUND ELEV: 942.28'

LEGEND

- WORK AREA
- PROPOSED TERMINAL BUILDING
- AIRFIELD BARRICADES
- TSA — EXISTING TAXILANE SAFETY AREA
- RSA — EXISTING RUNWAY SAFETY AREA
- ROFA — EXISTING RUNWAY OBJECT FREE AREA
- BRL — BUILDING RESTRICTION LINE
- STAGING AREA
- HAUL ROUTE

STAGING AREA

#	LAT	LONG
1	34° 10'10.78" N	83° 33'42.56" W
2	34° 10'10.44" N	83° 33'43.94" W
3	34° 10'08.97" N	83° 33'41.94" W
4	34° 10'08.64" N	83° 33'43.31" W

0 100 200

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1

GMC
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CONSTRUCTION DEVELOPMENT | 1/29/2024

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JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

NOT FOR CONSTRUCTION

CONSTRUCTION SAFETY AND PHASING PLAN

C-002

sheet X of X

GENERAL NOTES

1. THE PROJECT IS SUBJECT TO ALL INSPECTIONS PROVIDED IN THE CONTRACT DOCUMENTS AND TO INSPECTIONS BY REPRESENTATIVES OF THE AIRPORT, THE CITY OF JEFFERSON, THE FEDERAL AVIATION ADMINISTRATION (FAA), THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION (EPD), THE GEORGIA DEPARTMENT OF TRANSPORTATION (GDOT) AND JACKSON COUNTY.

2. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE ENGINEER.

3. THE CONSTRUCTION EQUIPMENT STORAGE/STAGING AREA IS AS SHOWN. ANY DAMAGES CAUSED BY THE CONTRACTOR'S USE OF THESE AREAS MUST BE REPAIRED TO THE SATISFACTION OF THE OWNER.

4. SUFFICIENT VACUUM TYPE SWEEPERS AND CLEANING EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL WASTE, LOOSE MATERIAL, AND DEBRIS CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS. ALL LOOSE MATERIAL SHALL BE COMPLETELY REMOVED FROM PAVED AND TURFED AREAS WITHIN SAFETY AREAS. PAVEMENT CLEANING EQUIPMENT SHALL BE MAINTAINED ON SITE AT ALL TIMES IN SUFFICIENT QUANTITY AND CAPACITY TO CLEAN ALL PAVEMENTS.

5. THE CONTRACTOR MUST VERIFY THE EXACT LOCATION OF EXISTING UNDERGROUND ELECTRICAL CABLES. IN THE EVENT THAT THE CONTRACTOR DAMAGES A CABLE, THE ENGINEER AND THE AIRPORT MUST BE NOTIFIED IMMEDIATELY. THE REPAIR MUST BE STARTED IMMEDIATELY AND CONTINUE UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE AND SHALL BE INSPECTED AND APPROVED BY THE OWNER PRIOR TO BACKFILLING BY THE CONTRACTOR. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SUPPLY AND INSTALL A CONCRETE SPLICE MARKER AT ALL APPLICABLE LOCATIONS.

6. THE LOCATION OF ACCESS ROUTES ON THE AIRPORT SITE ARE AS SHOWN AND ARE SUBJECT TO CHANGE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE ACCESS ROUTES (STATE HIGHWAYS, LOCAL ROADS, OR CITY STREETS) WITH THE APPROPRIATE OWNER HAVING JURISDICTION OVER THE AFFECTED ROUTE. CONTRACTOR PERMISSION TO USE PUBLIC ROADS FOR HAULING AND ACCESS MUST BE OBTAINED FROM THE APPROPRIATE PUBLIC ENTITIES. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS, APPROVALS, AND BONDING. THE CONTRACTOR MUST DETERMINE WHICH NON-AIRPORT ROADS MUST BE BONDED, AND MUST BOND SUCH ROADS.

7. THE BEFORE AND AFTER CONDITION OF ON-SITE ACCESS ROUTES SHALL BE JOINTLY INSPECTED AND PHOTOGRAPHED BY THE CONTRACTOR AND THE ENGINEER. ON-SITE ACCESS ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND RESTORED UPON COMPLETION OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. FENCING, DRAINAGE, GRADING, E&S CONTROLS, AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT ADDITIONAL HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S RESPONSIBILITY, AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK. ALL ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES. ALL CONTRACTOR VEHICLES AND CONSTRUCTION TRAFFIC SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES UNLESS OTHERWISE AUTHORIZED.

8. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF AIRPORT PAVEMENT AND LIGHTING DURING CONSTRUCTION. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. ANY DELAYS IN REOPENING PORTIONS OF THE AIRPORT DUE TO THIS DAMAGE WILL RESULT IN THE ASSESSMENT OF LIQUIDATED DAMAGES AS SET FORTH IN THE CONTRACT DOCUMENTS.

9. THE CONTRACTOR IS RESPONSIBLE FOR ALL LIGHTING NECESSARY FOR ALL NIGHT OPERATIONS. LIGHTING WILL NEED TO BE DIRECTED OR SHADED TO PREVENT INTERFERENCE WITH AIRCRAFT, THE AIR TRAFFIC CONTROL TOWER, AND OTHER AIRPORT OPERATIONS.

10. OPEN-FLAME WELDING/TORCHES ARE PROHIBITED UNLESS ADEEQUATE FIRE SAFETY PRECAUTIONS ARE PROVIDED AND THE AIRPORT OPERATOR HAS APPROVED THEIR USE.

11. STOCKPILED MATERIALS AND EQUIPMENT STORAGE ARE NOT PERMITTED WITHIN THE RSA, OFZ, RPZ, AND OFA OF AN OPERATIONAL RUNWAY. THE CONTRACTOR MUST ENSURE THAT STOCKPILED MATERIALS AND EQUIPMENT ADJACENT TO THESE AREAS ARE PROMINENTLY MARKED AND LIGHTED DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS. THIS INCLUDES DETERMINING AND VERIFYING THAT MATERIALS ARE STABILIZED AND STORED AT AN APPROVED LOCATION SO AS NOT TO BE A HAZARD TO AIRCRAFT OPERATIONS AND TO PREVENT ATTRACTION OF WILDLIFE AND FOREIGN OBJECT DAMAGE.

12. CONTRACTOR SHALL PROVIDE CONTROL FOR VEHICLE AND PEDESTRIAN ACCESS ROUTES TO PREVENT INADVERTENT OR UNAUTHORIZED ENTRY OF PERSONS, VEHICLES, OR ANIMALS ONTO THE AIRFIELD. CONTRACTOR MUST PARK AND SERVICE ALL CONSTRUCTION VEHICLES IN AN AREA DESIGNATED BY THE AIRPORT OPERATOR OUTSIDE THE OFZ AND NEVER IN THE SAFETY AREA OF AN ACTIVE RUNWAY OR TAXIWAY. PERSONAL VEHICLES NOT REQUIRED FOR CONSTRUCTION ACTIVITIES ARE NOT ALLOWED ON THE AIRFIELD.

13. CONTRACTOR SHALL CAREFULLY CONTROL AND CONTINUOUSLY REMOVE WASTE OR LOOSE MATERIALS THAT MIGHT ATTRACT WILDLIFE. CONTRACTOR PERSONNEL MUST BE AWARE OF AND AVOID CONSTRUCTION ACTIVITIES THAT CAN CREATE WILDLIFE HAZARDS ON AIRPORTS, SUCH AS TRASH AND STANDING WATER. SEEDING SHALL FOLLOW PROJECT SPECIFICATIONS TO ENSURE SEEDS DO NOT ATTRACT WILDLIFE.

14. CONTRACTOR SHALL TAKE CARE TO MAINTAIN SECURITY DURING CONSTRUCTION WHEN ACCESS POINTS ARE CREATED IN THE SECURITY FENCING TO PERMIT THE PASSAGE OF CONSTRUCTION VEHICLES OR PERSONNEL. TEMPORARY GATES IF REQUIRED SHOULD BE EQUIPPED SO THEY CAN BE SECURELY CLOSED AND LOCKED TO PREVENT ACCESS BY ANIMALS AND UNAUTHORIZED PEOPLE.

15. CONTRACTOR TO MAKE ALL REASONABLE EFFORT TO AVOID THE DISRUPTION OF WILDLIFE HABITAT.

16. CONTRACTORS OPERATING CONSTRUCTION VEHICLES AND EQUIPMENT ON THE AIRPORT MUST BE PREPARED WITH APPROPRIATE EQUIPMENT AND PROCEDURES TO EXPEDITIOUSLY CONTAIN AND CLEAN-UP SPILLS RESULTING FROM FUEL, HYDRAULIC FLUID LEAKS, OR OTHER HAZARDOUS MATERIALS. CONTRACTOR TO NOTIFY OWNER OR OWNER'S REPRESENTATIVE IMMEDIATELY IN THE EVENT OF A SPILL, LEAK, OR RELEASE OF A HAZARDOUS MATERIAL.

17. CONTRACTOR TO COORDINATE ALL ACTIVITIES ON THE AIRFIELD WITH THE OWNER WHO WILL ISSUE THE APPROPRIATE NOTICE TO AIRMEN (NOTAM).

18. IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CONTACT 911 OR THE APPROPRIATE RESPONSE AGENCY FOLLOWED IMMEDIATELY BY THE OWNER OR OWNER'S REPRESENTATIVE.

19. CONTRACTOR TO ENSURE EQUIPMENT DOES NOT PENETRATE THE IMAGINARY SURFACES DESCRIBED ON THE PART 77 DETAIL. SHOULD A CONSTRUCTION ACTIVITY REQUIRE PENETRATION OF THE SURFACES, THIS ACTIVITY MUST BE COORDINATED WELL IN ADVANCE WITH THE OWNER OR OWNER'S REPRESENTATIVE WHO WILL NOTIFY FAA.

20. SAFETY PROVISIONS DEFINED HEREIN AS WELL AS REFERENCED IN FAA AC 150/5370-2F, OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION, SHALL BE FOLLOWED AT ALL TIMES. CONTRACTOR MAY BE FINED THE NON-PENAL SUM OF $500 PER DAY FOR EACH CALENDAR DAY OF NON-COMPLIANCE AFTER BEING NOTIFIED OF NONCOMPLIANCE BY THE OWNER OR OWNER'S REPRESENTATIVE.

21. SHOULD ANY AIRCRAFT ACCIDENT OR INCIDENT OCCUR THE CONTRACTOR SHALL FIRST NOTIFY ANY FIRST RESPONDERS AND MUST IMMEDIATELY HALT WORK UNTIL DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE TO RESUME.

22. CONTRACTOR SHALL ENSURE THAT AREAS WHERE AIRCRAFT WILL BE OPERATING ARE CLEARLY AND VISIBLY SEPARATED FROM CONSTRUCTION AREAS, INCLUDING CLOSED RUNWAYS. THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT, CONTRACTOR SHALL VERIFY THAT THESE AREAS REMAIN CLEARLY MARKED AND VISIBLE AT ALL TIMES AND THAT MARKING, LIGHTING, SIGNS, AND VISUAL NAVIGATIONAL AIDS REMAIN IN PLACE AND OPERATIONAL.

23. IF AN AIRFIELD SIGN DOES NOT SERVE ITS NORMAL FUNCTION IT MUST BE COVERED OR REMOVED TO PREVENT MISDIRECTING PILOTS. NOTE THAT INFORMATION SIGNS IDENTIFYING A CROSSING TAXIWAY CONTINUE TO PERFORM THEIR NORMAL FUNCTION EVEN IF THE CROSSING TAXIWAY IS CLOSED.

24. CONTRACTOR SHALL ENSURE PAVEMENT MARKINGS AND SIGNS FOR CONSTRUCTION PERSONNEL WILL CONFORM TO AC 150/5340-18 AND, TO THE EXTENT PRACTICABLE, WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND/OR STATE HIGHWAY SPECIFICATIONS. SIGNS ADJACENT TO AREAS USED BY AIRCRAFT MUST COMPLY WITH THE FRANGIBILITY REQUIREMENTS OF AC 150/5220-23, FRANGIBLE CONNECTIONS, WHICH MAY REQUIRE MODIFICATION TO SIZE AND HEIGHT GUIDANCE IN THE MUTCD.

25. RUNWAYS AND RUNWAY EXIT TAXIWAYS CLOSED TO AIRCRAFT OPERATIONS SHALL BE MARKED WITH A YELLOW/LIGHTED X IN COMPLIANCE WITH THE STANDARDS OF FAA AC 150/5340-1, STANDARDS FOR AIRPORT MARKINGS. PLACE BARRICADES OUTSIDE THE SAFETY AREA OF INTERSECTING TAXIWAYS. FOR RUNWAY/TAXIWAY INTERSECTIONS, PLACE AN X AT THE ENTRANCE TO THE CLOSED TAXIWAY FROM THE RUNWAY.

SAFETY NOTES

1. ALL CONSTRUCTION VEHICLES AND EQUIPMENT OPERATING ON THE AIRPORT PROPERTY SHALL BE MARKED WITH STANDARD FAA WARNING CHECKERED FLAGS AND LIGHTED WITH FLASHING BEACONS. VEHICLES AND EQUIPMENT OPERATING DURING HOURS OF DARKNESS OR REDUCED VISIBILITY SHALL BE LIGHTED WITH A FLASHING CIRCULAR AMBER EMERGENCY WARNING LIGHT, ACCORDING TO FAA ADVISORY CIRCULAR 150/5370-2G & 150/5210-5.

2. ALL FOREMAN'S AND SUPERINTENDENT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.975 MHZ. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM CONTROL OR ANY OTHER FAA FREQUENCY.

3. CONTRACTOR SHALL USE EXTREME CAUTION WHILE WORKING NEAR FUEL FARM FACILITY. FLAMMABLE FUEL TANKS EXIST IN THE FUEL FARM.

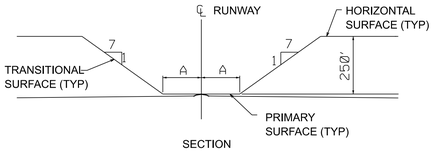
4. ALL OPEN EXCAVATIONS SHALL BE ADEQUATELY MARKED AND SIGNED.

5. THE CONTRACTOR SHALL NOT AT ANY TIME BE ON THE RUNWAY UNLESS THE ENGINEER OR AIRPORT PERSONNEL GIVES PRIOR APPROVAL.

6. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION, MAINTENANCE, REMOVAL AND CLEANUP OF ALL HAUL ROUTES (ON AND OFF AIRPORT PROPERTY).

7. ALL ACTIVE AIRPORT OPERATIONAL AREAS ADJACENT TO WORK AREAS SHALL BE SEPARATED BY BARRICADES.

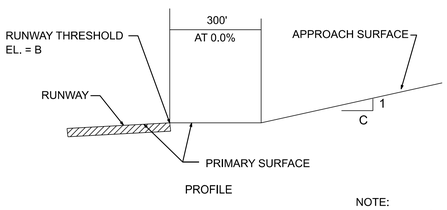
8. RUNWAY WILL BE CLOSED AS NECESSARY FOR WORK PERFORMED IN THE OFA.



SECTION

PAVEMENT	SAFETY AREA WIDTH*
RUNWAY 17/35	500'

SAFETY AREA DIMENSIONS

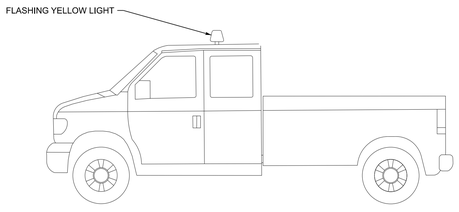


PROFILE

RUNWAY END	A	B	C
RUNWAY 17	250'	931.1'	34
RUNWAY 35	250'	950.5'	34

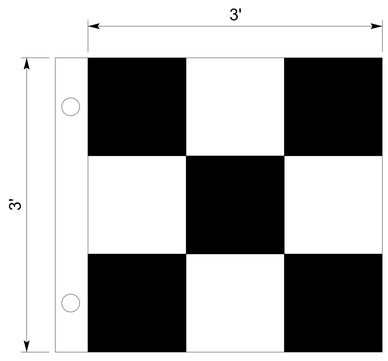
FAR PART 77 SURFACES

NOTE:
THE PART 77 SURFACE IS CENTERED ON THE RUNWAY AT THE CENTERLINE ELEVATION AND TO THE WIDTH INDICATED. THE PART 77 SURFACE IS LOCATED ON THE PROFILE OF THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200' BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPES INDICATED.

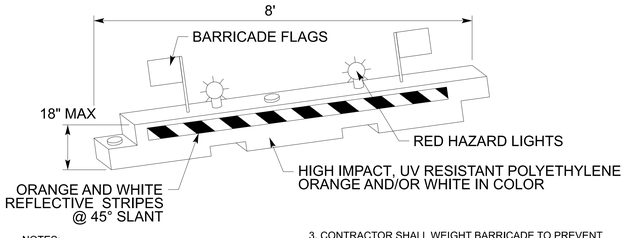


FLASHING BEACON LIGHT DETAIL
Not to scale

NOTE:
1. THE YELLOW FLASHING LIGHT MUST BE MOUNTED ON THE UPPERMOST PART OF THE VEHICLE STRUCTURE.
2. THE LIGHT MUST BE VISIBLE FROM ALL DIRECTIONS (INCLUDING THE AIR), DAY & NIGHT.
3. HAZARD LIGHTS MUST MEET THE SPECIFICATIONS IN THE MOST CURRENT VERSION OF FEDERAL SPECIFICATIONS KKK-A-1822, AND ARFF VEHICLES MUST MEET NFPA, STATE, AND LOCAL REQUIREMENTS.
4. LIGHTS MUST HAVE PEAK INTENSITY WITHIN THE RANGE OF 40 TO 400 CANDELAS (EFFECTIVE) FROM 0 DEGREES UP TO 10 DEGREES ABOVE THE HORIZONTAL AND FOR 360 DEGREE HORIZONTALLY. THE UPPER LIMIT OF 400 CANDELAS (EFFECTIVE) IS NECESSARY TO AVOID DAMAGE TO NIGHT VISION.
5. FROM 10 DEGREES TO 15 DEGREES ABOVE THE HORIZONTAL PLANE, THE LIGHT OUPUT MUST BE 1/10TH OF PEAK INTENSITY OR BETWEEN 4 AND 40 CANDELAS (EFFECTIVE).
6. LIGHTS MUST FLASH AT 75 +/- 15 FLASHES PER MINUTE.



TEMPORARY CHECKERED CONSTRUCTION FLAG ORANGE AND WHITE



NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO BARRIER.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT. BARRICADES SHALL PROHIBIT AIRCRAFT AND VEHICLE ENTRY.
3. CONTRACTOR SHALL WEIGHT BARRICADE TO PREVENT DISPLACEMENT. METHOD TO BE APPROVED BY THE ENGINEER.
4. BARRICADE TYPE AND SPACING SHALL MEET THE REQUIREMENTS OF AC 150/5370-2G.
5. RED HAZARD LIGHTS MUST MEET THE LUMINANCE REQUIREMENTS OF THE STATE HIGHWAY DEPARTMENT.

LOW PROFILE AIRCRAFT BARRICADE
Not to scale

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Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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CONSTRUCTION SAFETY AND PHASING PLAN DETAILS

C-003

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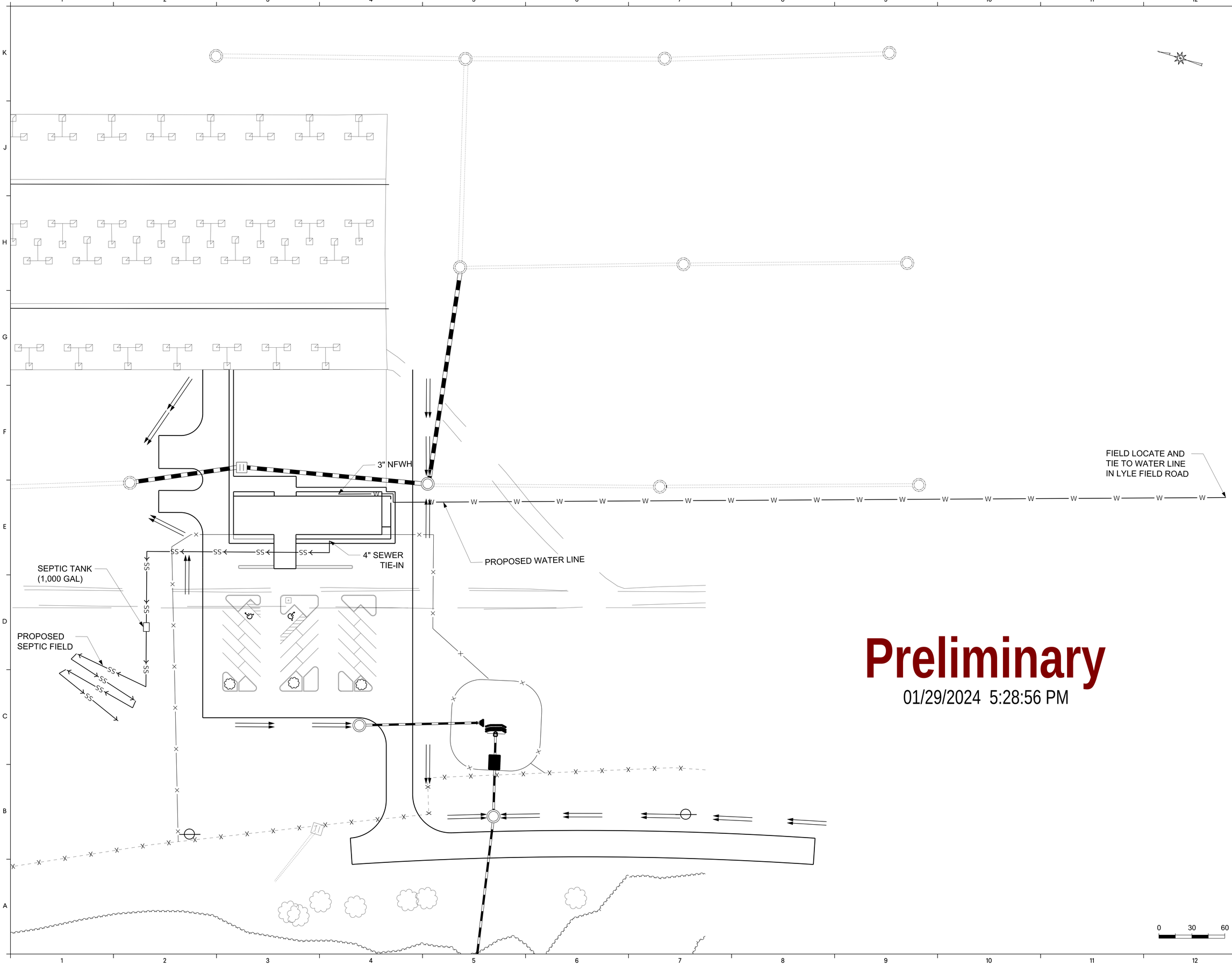

Preliminary

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Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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UTILITY PLAN

C-004

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EX TIE DOWNS AND APRON NEED TO BE PRESERVED AND PROTECTED

REMOVE AND RELOCATE EX STORM PIPE

<36" RCP

RET. EX. PEDESTAL TOP STRUCTURE

<24" RCP

REMOVE AND RELOCATE EX PEDESTAL TOP STRUCTURE

EX PEDESTAL TOP STRUCTURE

EX DIRT DRIVE

EX OUTLET CONTROL STRUCTURE

18" RCP

36" RCP

EX. FENCE REMOVAL

RET. EX. POWER POLE

RET. EX. DROP INLET

24" RCP

RET. EX. STORM PIPE

REMOVE AND RELOCATE EX POWER POLE

0 30 60

DEMO LEGEND

- PROPOSED DEVELOPMENT
- EX.FENCE TO BE REMOVED
- EX. FENCE
- EX. POWER POLE

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE LOCATION OF ALL UTILITIES IN ALL AREAS TO BE REMOVED OR DEMOLISHED, PRIOR TO COMMENCEMENT OF WORK. THE UTILITIES TO BE LOCATED SHALL INCLUDE, BUT NOT BE LIMITED TO WATER, GAS, SANITARY SEWER, STORM SEWER, SITE LIGHTING, IRRIGATION, SECURITY, CABLE, SITE ELECTRICAL, FIBER OPTIC, AND TELEPHONE.

2. ALL UTILITIES TO BE REMOVED SHALL BE CUT, REMOVED, CAPPED, ETC. ACCORDING TO ALL GOVERNING AGENCIES SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY AGENCIES PRIOR TO ANY WORK BEING PERFORMED ON THEIR RESPECTIVE LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING AND INFORMING EACH UTILITY AGENCY OF THE SCOPE OF WORK AND SCHEDULE OF COMPLETION, AND SHALL COORDINATE ALL INSPECTIONS.

3. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AND SHALL LOCATE ON THE GROUND WITH PAINT OR OTHER EASILY VISIBLE MEANS ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION EFFORTS. THE UTILITIES TO BE LOCATED SHALL INCLUDE, BUT NOT BE LIMITED TO WATER, GAS, SANITARY SEWER, STORM SEWER, SITE LIGHTING, IRRIGATION, SECURITY, CABLE, SITE ELECTRICAL, AND TELEPHONE. CONFLICTS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY. THE UTILITIES SHOWN ARE ILLUSTRATED AS LOCATED ON THE GROUND BY LINE LOCATORS, SURVEY OF ABOVE GROUND STRUCTURES, AND/OR ACCORDING TO UTILITY MAPS OR UTILITY ADMINISTRATOR'S RECOLLECTION, AND ARE PROVIDED AS INFORMATION ONLY.

4. THE CONTRACTOR SHALL PRESERVE AND PROTECT, ACCORDING TO THE INSTRUCTIONS OF THE UTILITY INVOLVED, ANY "LIVE" UTILITIES LOCATED BY THE UTILITY COMPANY OR THE CONTRACTOR.

5. DEMOLITION ITEMS SHOWN ARE CONSIDERED TO BE A MINIMUM. UNDERGROUND STORAGE TANKS AND UNMARKED UTILITIES SHOULD ALSO BE REMOVED AND BACKFILLED WITH PROPERLY COMPACTED MATERIAL. THESE UTILITIES MAY INCLUDE, BUT NOT LIMITED TO SANITARY SEWER LATERALS, TELEPHONE LINES, CABLE LINES, GAS LINES, WATER LINES, ETC.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND RELOCATION OF ALL UTILITY LINES LOCATED UNDERNEATH THE PROPOSED BUILDINGS.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL CONCRETE, SIDEWALKS, WALLS, ETC. DAMAGED DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE RESTORED TO THE ORIGINAL CONDITION OR AS ACCEPTED BY THE OWNER.

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Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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EXISTING CONDITIONS AND DEMO PLAN

C-101

sheet X of X

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GRADING AND DRAINAGE PLAN

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sheet X of X

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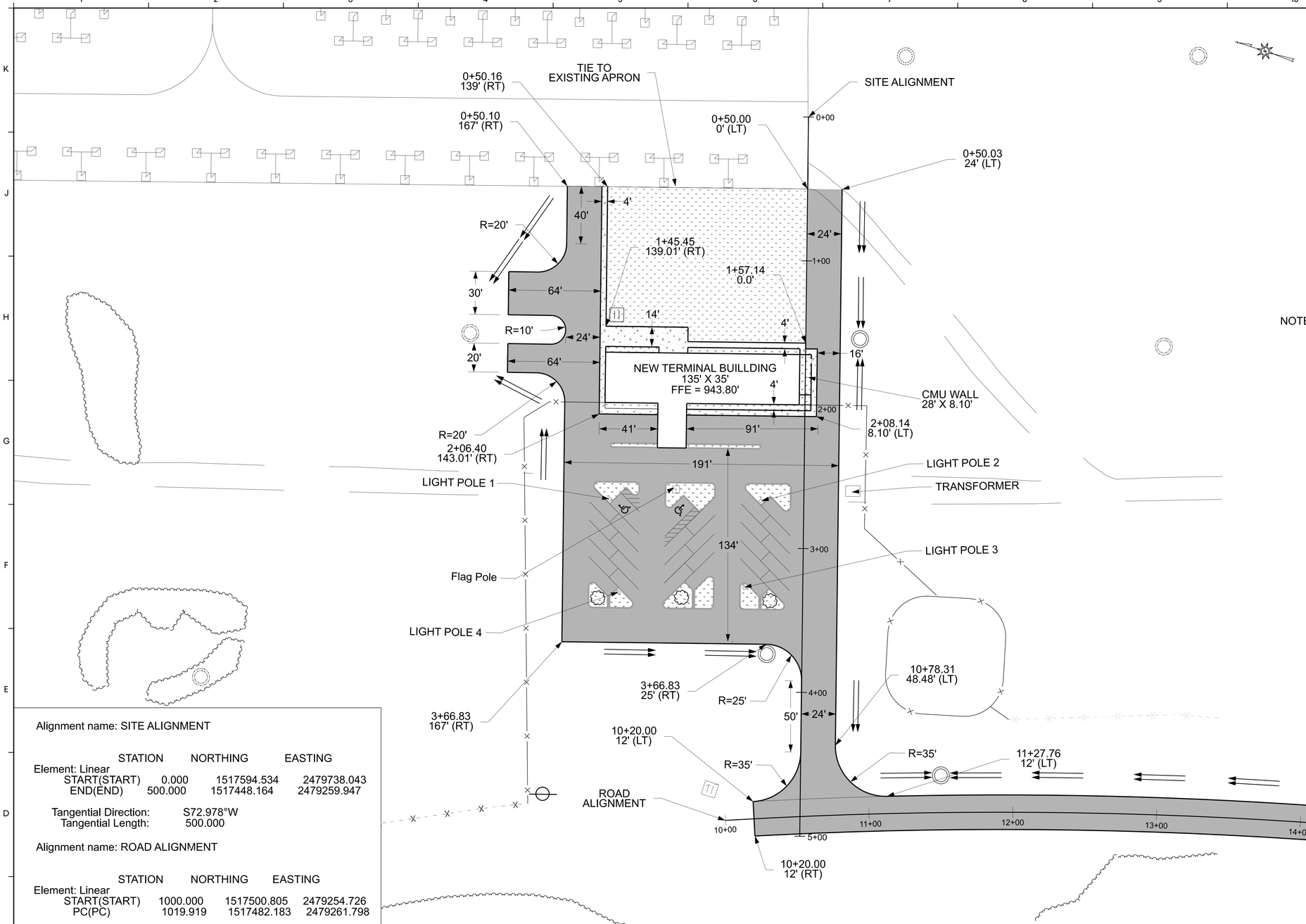
LEGEND

- PEDASTAL TOP MANHOLE
- DROP INLET
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- E/A EDGE OF ASPHALT
- T/S TOP OF SIDEWALK
- B/D BOTTOM OF DITCH
- T/P TOP OF POND
- B/P BOTTOM OF POND

0 30 60



BUILDING CORNER OFFSETS	
BUILDING CORNER 1	1+65.14 139' (RT)
BUILDING CORNER 2	1+65.14 4.00' (RT)
BUILDING CORNER 3	2+00.14 4.00' (RT)
BUILDING CORNER 4	2+00.14 139' (RT)

ELECTRICAL OFFSETS	
LIGHT POLE 1	2+65.49 134.85 (RT)
LIGHT POLE 2	2+66.80 29.59 (RT)
LIGHT POLE 3	3+27.26 40.52 (RT)
LIGHT POLE 4	3+30.36 40.52 (RT)
TRANSFORMER	2+60.03 34.00 (LT)

NOTE: 1. ALL OFFSETS ARE TO THE CENTER OF CONCRETE PAD
2. TRANSFORMER = 10' X 7.5' CONCRETE PAD
3. LIGHT POLE = 2' DIAMETER HOLE

LEGEND

- CONCRETE SIDEWALK
- ASPHALT PAVEMENT
- PROPOSED FENCE
- EXISTING FENCE
- LIGHT POLE

Alignment name: SITE ALIGNMENT

	STATION	NORTHING	EASTING
Element: Linear			
START(START)	0.000	1517594.534	2479738.043
END(END)	500.000	1517448.164	2479259.947

Tangential Direction: S72.978°W
Tangential Length: 500.000

Alignment name: ROAD ALIGNMENT

	STATION	NORTHING	EASTING
Element: Linear			
START(START)	1000.000	1517500.805	2479254.726
PC(PC)	1019.919	1517482.183	2479261.798

Tangential Direction: S20.796°E
Tangential Length: 19.919

Element: Circular

PC(BL-Road)	1019.919	1517482.183	2479261.798
HPI(HPI)	1231.153	1517284.711	2479336.794
CC(CC)		1516349.614	2476279.619
PT(PT)	1441.771	1517079.074	2479385.097

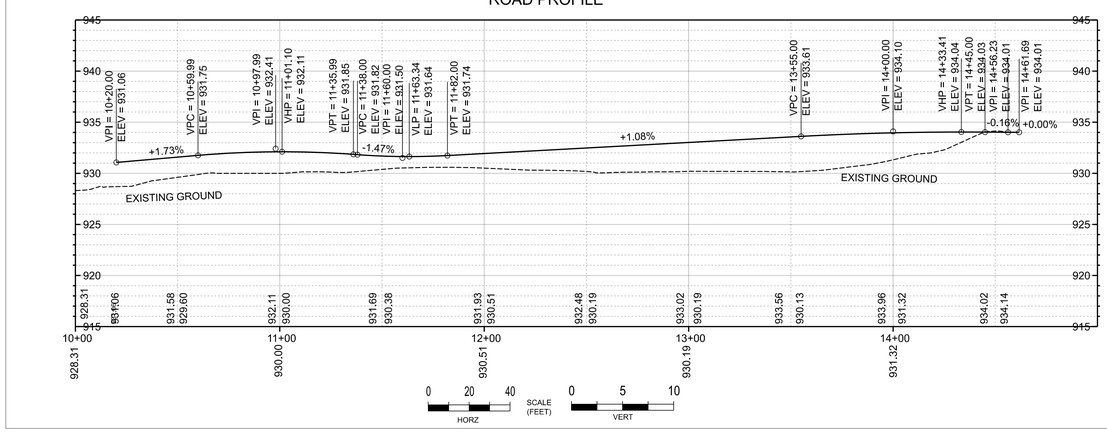
Radius: 3190.000
Delta: 7.577° Right
Degree of Curvature(Arc): 1.796°
Length: 421.852
Tangent: 211.234
Chord: 421.545
Middle Ordinate: 6.971
External: 6.986
Tangent Direction: S20.796°E
Radial Direction: S69.204°W
Chord Direction: S17.007°E
Radial Direction: S76.781°W
Tangent Direction: S13.219°E

Element: Linear

PT(PT)	1441.771	1517079.074	2479385.097
END(END)	1461.691	1517059.682	2479389.652

Tangential Direction: S13.219°E
Tangential Length: 19.919

ROAD PROFILE



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SITE PLAN

C-103

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LEGEND

CONCRETE SIDEWALK

ASPHALT PAVEMENT

PROPOSED FENCE

EXISTING FENCE

LIGHT POLE

0 20 40

0+00

1+00

2+00

3+00

4+00

5+00

10+00

11+00

12+00

13+00

14+00

TIE PROPOSED FENCE TO BUILDING
2+00.14
139' (RT)

24' AUTOMATIC
DRIVEWAY GATE

2+00.09
177.61' (RT)

2+11.24
195.24' (RT)

4' PEDESTRIAN
GATE

TIE PROPOSED FENCE TO BUILDING
2+00.14
4' (RT)

4' PEDESTRIAN
GATE

16' AUTOMATIC
DRIVEWAY GATE

2+00.20
43.05' (LT)

2+85.59
42.36' (LT)

24' SWINGING
DOUBLE GATE

3+32.34
94.16' (LT)

3+33.35
115.78' (LT)

3+32.05
87.81' (LT)

R=26

3+61.58
141.49' (LT)

R=26

3+89.55
140.19' (LT)

3+57.76
59.58' (LT)

R=26

4+08.25
131.40' (LT)

3+85.73
58.28' (LT)

R=26

4+13.96
83.99' (LT)

4+15.26
111.96' (LT)

TIE PROPOSED FENCE TO
EXISTING FENCE
4+17.08
144.27' (LT)

TIE PROPOSED FENCE TO
EXISTING FENCE
4+79.13
190' (RT)

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FENCE PHASING PLAN

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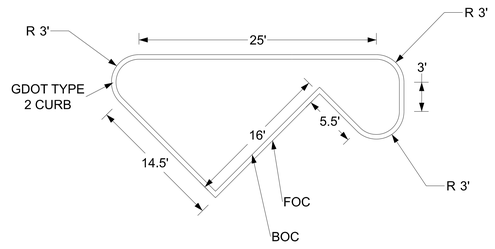
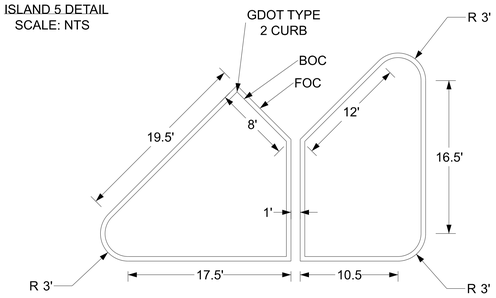


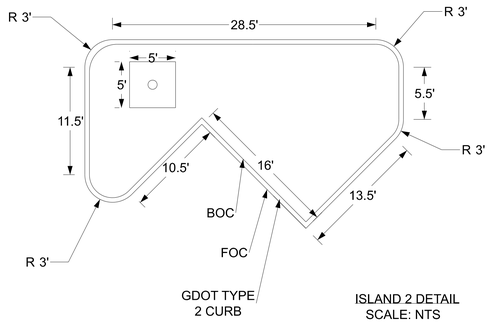
ISLAND 1 DETAIL
SCALE: NTS

ISLAND 5 DETAIL
SCALE: NTS



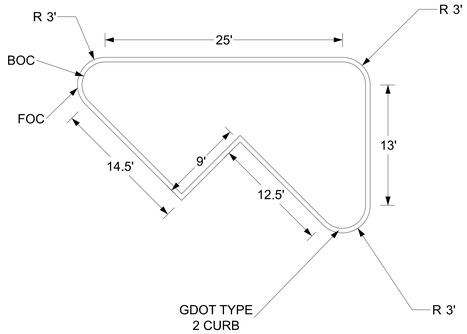
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(1)	ISLAND IDENTIFICATION NO.	FOC BOC R	FRONT OF CURB BACK OF CURB RADIUS OF CURVE

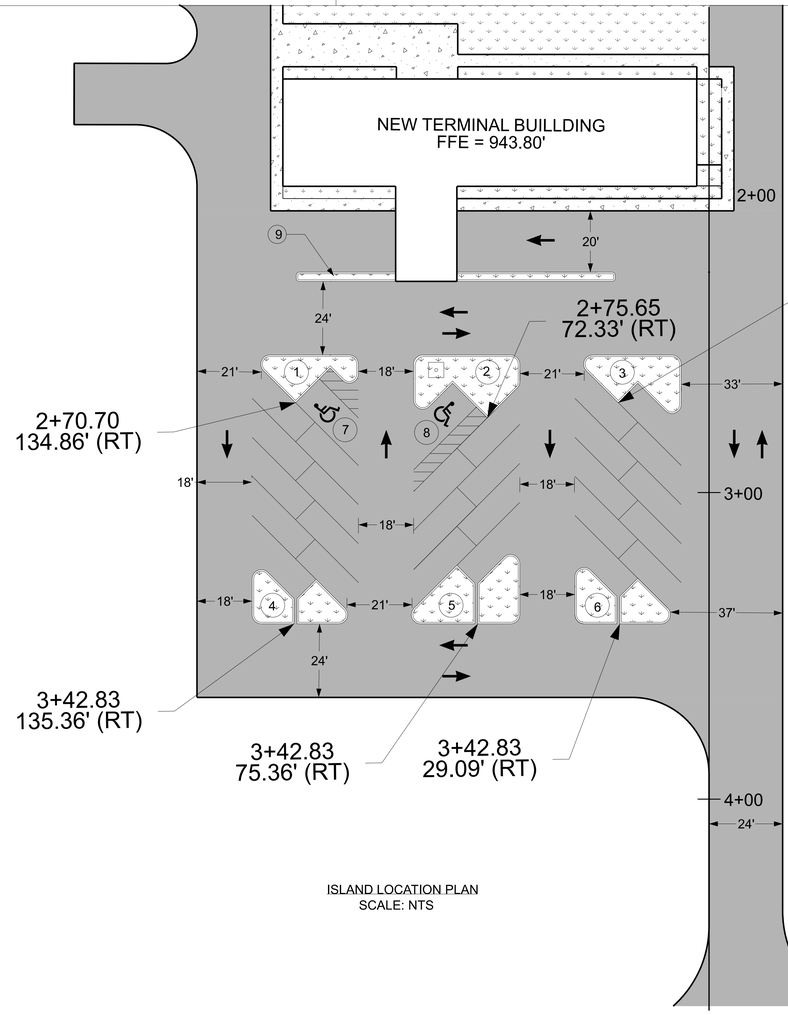
NOTE:
1. ALL DIMENSIONS ARE TO FACE OF CURB (FOC)
2. ALL COORDINATES AND DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED ON PLANS



ISLAND 2 DETAIL
SCALE: NTS

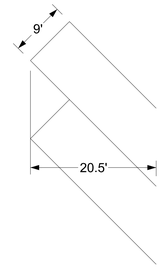
ISLAND 3 DETAIL
SCALE: NTS





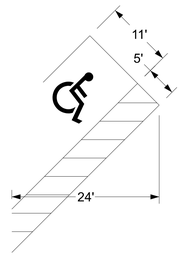
ISLAND LOCATION PLAN
SCALE: NTS

TYP.



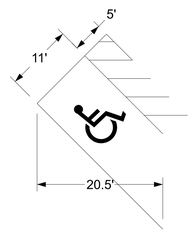
45° PARKING
SCALE: NTS

8



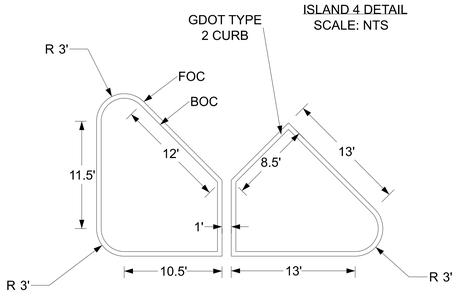
45° PARKING
SCALE: NTS

7



45° PARKING
SCALE: NTS

ISLAND 4 DETAIL
SCALE: NTS



ISLAND 6 DETAIL
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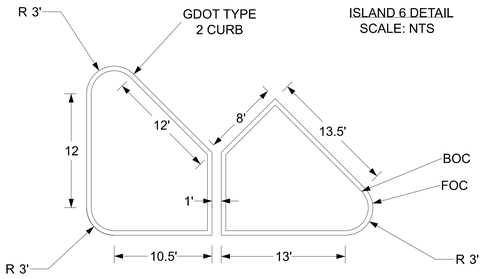
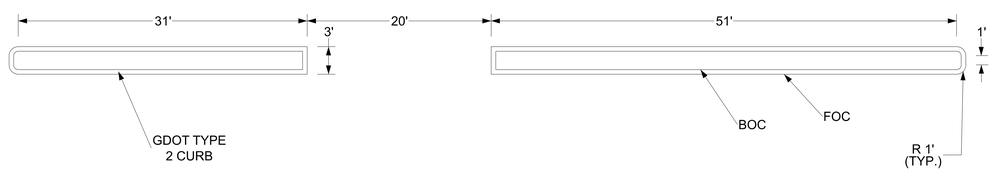


ISLAND 9 DETAIL
SCALE: NTS



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Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

NOT FOR CONSTRUCTION

PARKING GEOMETRIC PLAN

C-105

sheet X of X

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1

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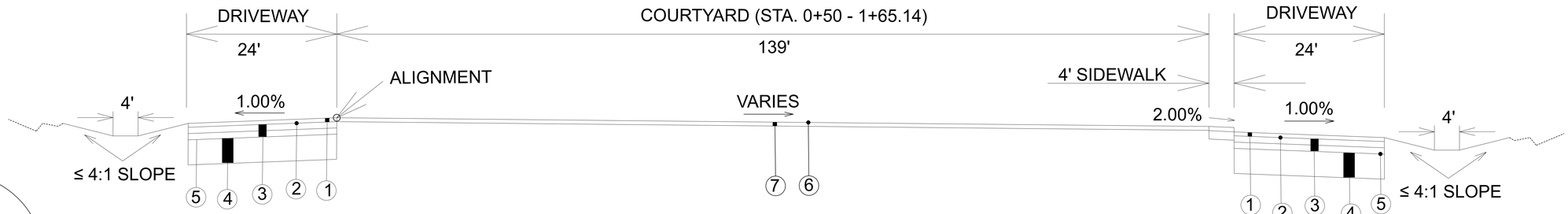

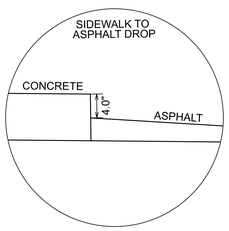

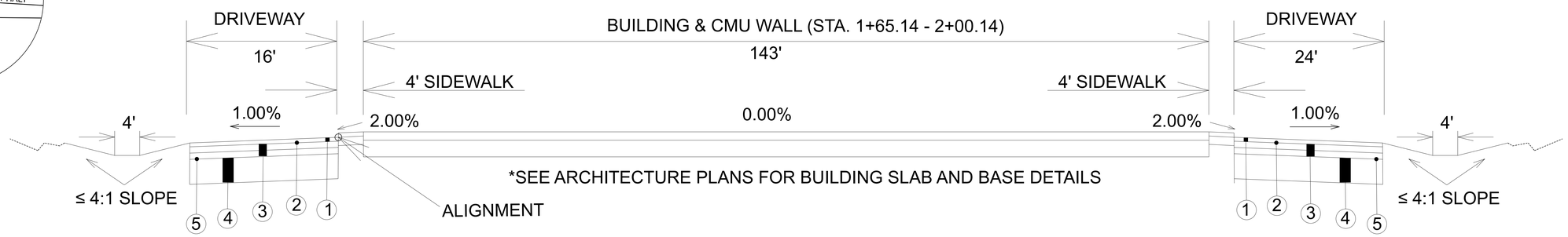

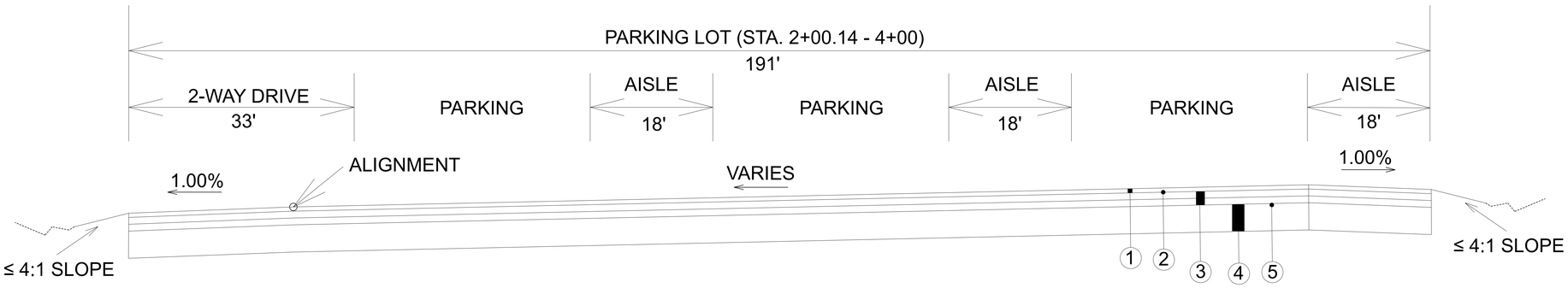

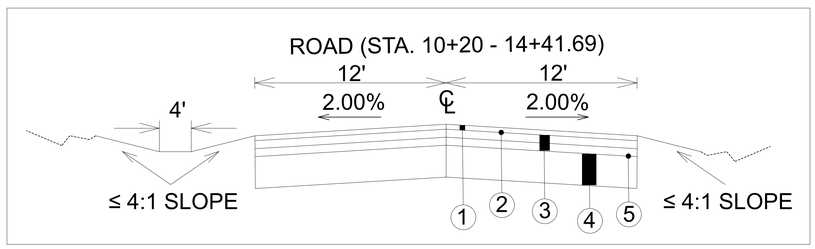

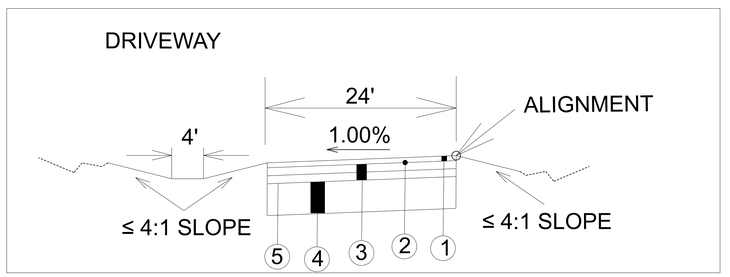

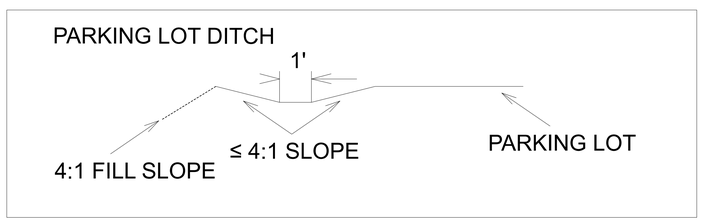

REQUIRED PAVEMENT SCHEDULE LEGEND		
LEGEND	ITEM NO.	DESCRIPTION
1	402-3103	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE II, GP 2 ONLY, INCL BITUM MATL & H LIME (1.25 IN)
2	413-0750	TACK COAT
3	402-3103	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL POLYMER MODIFIED BITUM MATL & H LIME (TWO 2 IN LIFTS)
4	310-5080	GR AGGR BASE CRS, 8 INCH, INCL MATL
5	412-1000	BITUMINOUS PRIME
6	700-6910	PERMANENT GRASSING
7	708-1000	PLANT TOPSOIL

NOTES:

1. SEE GRADING AND DRAINAGE PLAN FOR VARYING SLOPES
2. SEE GRADING AND DRAINAGE PLAN FOR DITCH GRADES

GMC

Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE | DATE
CONSTRUCTION | 1/29/2024
DEVELOPMENT

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CHECKED BY: Checker

JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

NOT FOR CONSTRUCTION

TYP. SECTIONS

C-201

Sheet X of X

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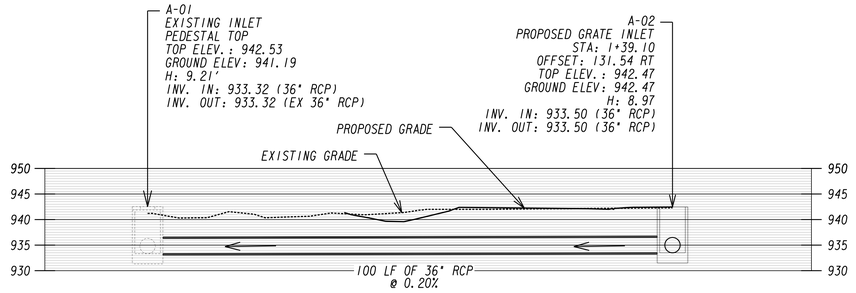

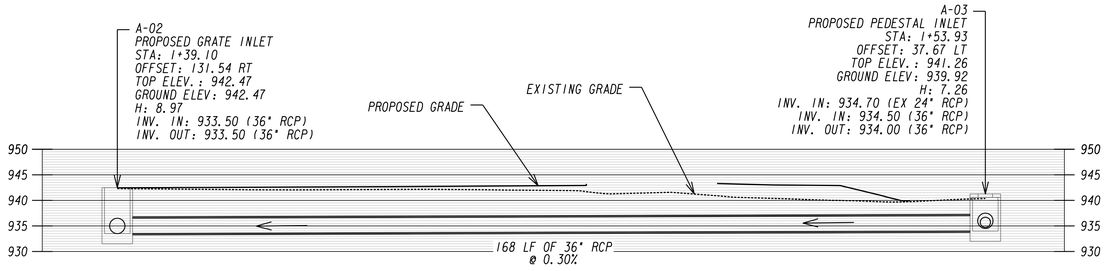

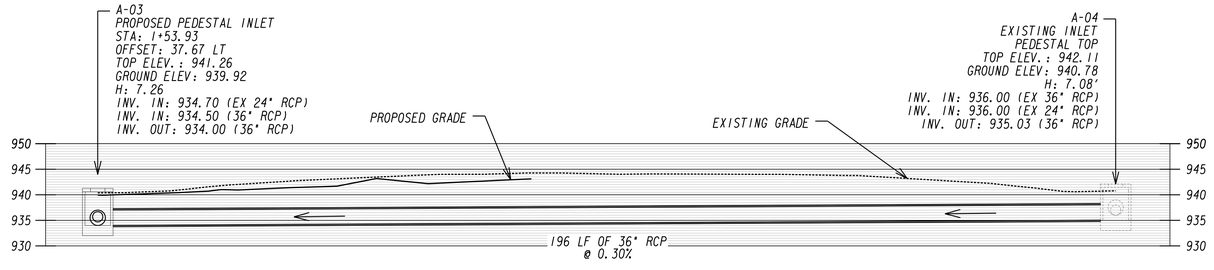

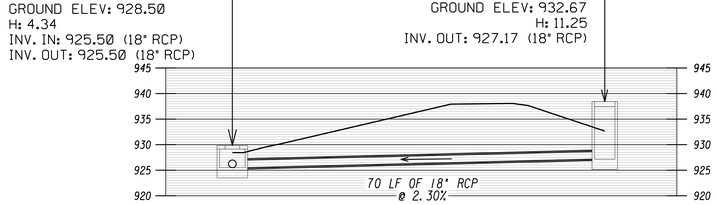

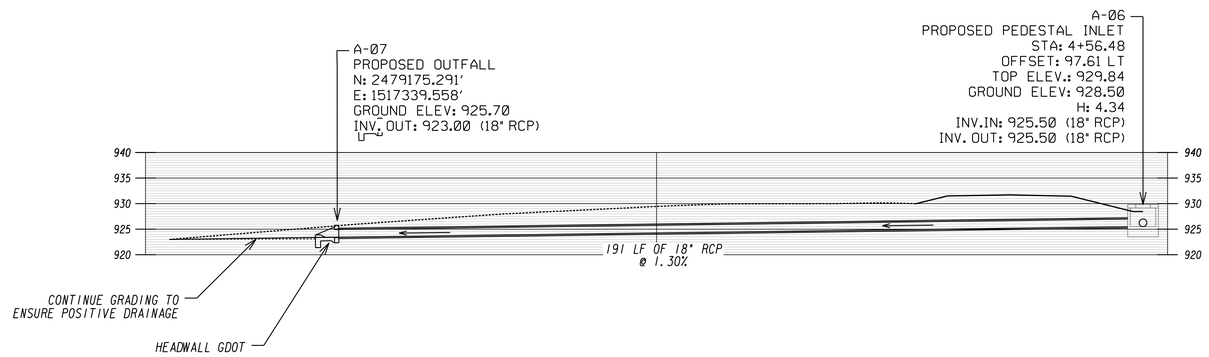

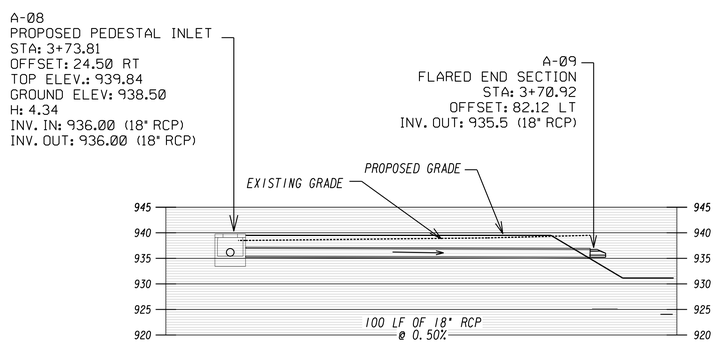

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JACKSON COUNTY, GEORGIA

GMC # TATL230006

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DRAINAGE PROFILES

C-202

sheet X of X

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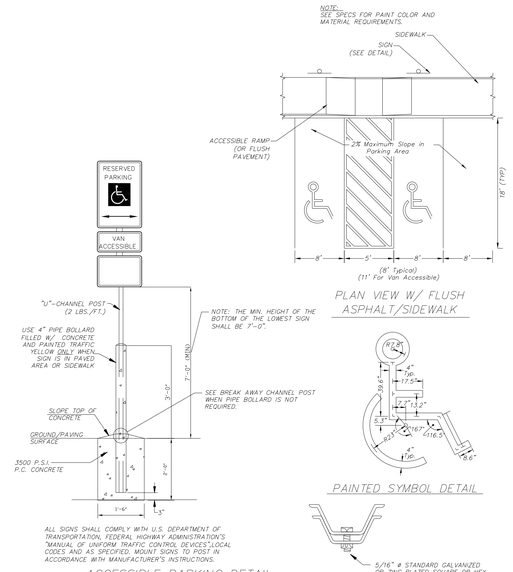
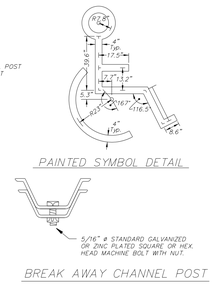


PLAN VIEW W/ FLUSH ASPHALT/SIDEWALK

ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

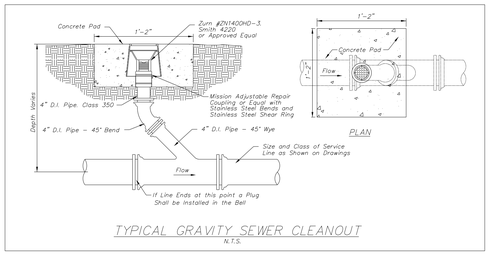
ACCESSIBLE PARKING DETAIL

N.T.S.



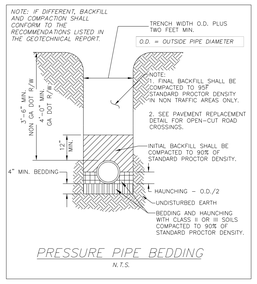
PAINTED SYMBOL DETAIL

BREAK AWAY CHANNEL POST



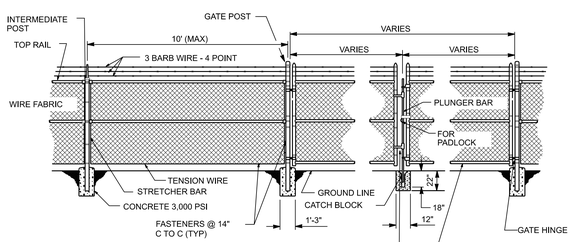
TYPICAL GRAVITY SEWER CLEANOUT

N.T.S.



PRESSURE PIPE BEDDING

N.T.S.

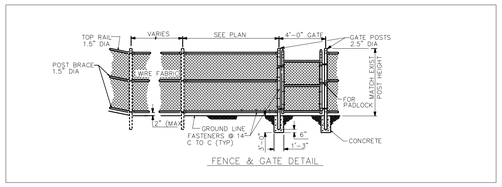


DOUBLE SWING GATE DETAIL

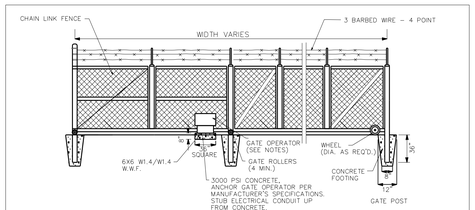
NOT TO SCALE

NOTES:

1. ALL DIMENSIONS SHALL CONFORM TO SECTION F-162 OF THE SPECIFICATIONS.
2. THE INTENT IS TO MATCH THE EXISTING FENCE. THE CONTRACTOR SHALL VERIFY THE EXISTING FENCE DIMENSIONS PRIOR TO CONSTRUCTION. IF THERE ARE ANY DISCREPANCIES BETWEEN THE PLAN DETAILS AND THE EXISTING FENCE, THE EXISTING FENCE SHALL TAKE PRECEDENCE UNLESS DIRECTED BY THE ENGINEER.
3. CHAIN LINK FABRIC TO MATCH FENCE.
4. BARBED WIRE SHALL MEET OR EXCEED ASTM A-121 SPECIFICATIONS.
5. FENCE PIPE SHALL BE IN COMPLIANCE WITH ASTM F1043, GROUP IC, AND AASHTO M181.
6. FENCE POST, TOP RAILS, ANMD BRACES SHALL BE CLASS 1 GRADE B, AS STATED IN THE LATEST FEDERAL SPECIFICATION RR-F-191.
7. 30FT DOUBLE SWING GATE SHALL BE SP6 (6.625") O.D.) PER RR-F-191.
8. SMALLER DOUBLE SWING GATES POST SHALL BE SP5 (4.00")PER RR-F-191.
9. TOP/ BRACE RAIL SHALL BE SP1 (1.66" O.D.) PER RR-F-191.
10. LINE POST SHALL BE SP2 (1.90") PER RR-F-191.
11. TERMINAL/ BRACE POST SHALL BE SP3 (2.375") PER RR-F-191.



FENCE & GATE DETAIL



AUTOMATIC DRIVEWAY GATE

NOT TO SCALE

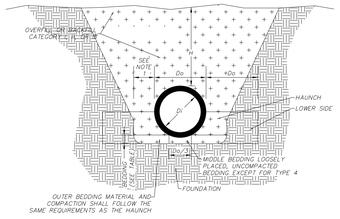
NOTES:

1. ALL DIMENSIONS SHALL CONFORM TO SECTION F-162 OF THE SPECIFICATIONS.
2. ALL GATES SHALL OPEN AWAY FROM THE BUILDING.
3. GATE OPERATOR SHALL BE "LIFTMASTER" MODEL SL590 OR EQUAL SPECIFIED TO OPERATE FROM EXISTING SUPPLY VOLTAGE.
4. ENTRANCE WILL BE WITH KEYPAD / GATE CLICKER.
5. SYSTEM WILL HAVE SAFETY LOOPS AND FREE EXIT LOOP.
6. GATE AND OPERATOR SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH U.L. 325 STANDARDS FOR VEHICLE GATE OPERATORS.

6 FT CHAIN LINK FENCE WITH BARBED WIRE DETAIL

NOT TO SCALE

SOIL AND MINIMUM COMPACTION REQUIREMENTS



INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
TYPE 1	D_o/24 MINIMUM; NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE D_o/12 MINIMUM; NOT LESS THAN 6 IN.	95% CATEGORY I	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 90% CATEGORY 1, 95% CATEGORY II, OR 100% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 2	D_o/24 MINIMUM; NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE D_o/12 MINIMUM; NOT LESS THAN 6 IN.	90% CATEGORY I OR 95% CATEGORY II	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 85% CATEGORY 1, 90% CATEGORY II, OR 95% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 3	D_o/24 MINIMUM; NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE D_o/12 MINIMUM; NOT LESS THAN 6 IN.	85% CATEGORY I, 90% CATEGORY II OR 95% CATEGORY III	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 85% CATEGORY 1, 90% CATEGORY II, OR 95% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 4	NO BEDDING REQUIRED, EXCEPT IF ROCK FOUNDATION, USE D_o/12 MINIMUM; NOT LESS THAN 6 IN.	NO COMPACTION REQUIRED, EXCEPT IF CATEGORY III, USE 85% CATEGORY III	NO COMPACTION REQUIRED, EXCEPT IF CATEGORY III, USE 85% CATEGORY III.

EQUIVALENT USCS AND AASHTO SOIL CLASSIFICATIONS FOR SOIL DESIGNATIONS

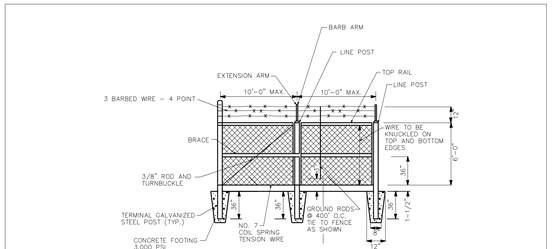
SOIL	REPRESENTATIVE SOIL TYPES		PERCENT COMPACTION	
	USCS ASTM D 2487	AASHTO M 145	STANDARD PROCTOR	MODIFIED PROCTOR
CATEGORY I	CLEAN, COURSE GRAINED SOILS: SW, SP, GW, GP OR ANY SOIL BEGINNING WITH ONE OF THOSE SYMBOLS WITH 12% OR LESS PASSING A #200 SIEVE	A-1, A-3	100 95 90 85	95 90 85 80
CATEGORY II	COURSE GRAINED SOILS WITH FINES: GM, GC, SM, SC OR ANY SOIL BEGINNING WITH ONE OF THOSE SYMBOLS, CONTAINING MORE THAN 12% PASSING A #200 SIEVE; SANDY OR GRAVELLY FINE-GRAINED SOILS: CL, ML, (OR CL-ML, CL/ML, ML/CL) WITH 30% OR MORE RETAINED ON A #200 SIEVE	A-2-4, A-2-5, A-2-6, OR A-4 OR A-6 SOILS WITH 30% OR MORE RETAINED ON A #200 SIEVE	100 95 90 85	95 90 85 80
CATEGORY III	FINE-GRAINED SOILS: CL, ML, (OR CL-ML, CL/ML, ML/CL) WITH LESS THAN 30% RETAINED ON A #200 SIEVE	A-2-7, OR A-4 OR A-6 WITH LESS THAN 30 % RETAINED ON A #200 SIEVE	100 95 90 85	90 85 80 75
CATEGORY IV BUT NOT ALLOWED FOR HAUNCH OR BEDDING	MH, CH, OL, OH, PT	A-5, A-7	100 95 90	90 85 80

NOTES:

1. CLEARANCE BETWEEN PIPE AND TRENCH WALL SHALL BE ADEQUATE TO ENABLE SPECIFIC COMPACTION BUT NOT LESS THAN D_o/6.
2. COMPACTION AND SOIL SYMBOLS, IE 95% CATEGORY I, REFER TO A SOIL MATERIAL CATEGORY WITH A MINIMUM STANDARD PROCTOR DENSITY.
3. WHEN THE TRENCH WIDTH SPECIFIED MUST BE EXCEEDED, THE ENGINEER SHALL BE NOTIFIED.
4. THE TRENCH WIDTH SHALL BE WIDER THAN SHOWN IF REQUIRED FOR ADEQUATE SPACE TO ATTAIN THE SPECIFIED COMPACTION IN THE HAUNCH AND BEDDING ZONES.
5. EMBANKMENT LOADING SHALL BE USED WHEN TRENCH WALLS CONSIST OF EMBANKMENT UNLESS THE GEOTECH REPORT STATES THAT THE SOIL IN THE TRENCH WALLS IS COMPACTED TO A HIGHER LEVEL THAN THE SOIL IN THE BACKFILL ZONE.
6. REQUIRED BEDDING THICKNESS IS THE THICKNESS OF THE BEDDING PRIOR TO THE PLACEMENT OF PIPE.
7. "DUMPED" MATERIAL WITHOUT ADDITIONAL COMPACTIVE EFFORT WILL NOT PROVIDE THE DESIGN HAUNCH SUPPORT REQUIRED FOR TYPE 1 AND TYPE 2 INSTALLATIONS AND IT SHOULD BE CHECKED FOR TYPE 3 INSTALLATIONS.
8. SOIL CLASSIFICATION AND COMPACTION REQUIREMENTS SHALL FOLLOW THE PROVIDED TABLES UNLESS OTHERWISE NOTED IN THE PROJECT GEOTECH REPORT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF/HERSELF WITH THE GEOTECH REPORT FOR ANY DISCREPANCIES.
9. PIPE BEDDING DETAILS ARE FOR RCP PIPES ONLY. THE INSTALLATIONS OF ANY OTHER TYPES OF PIPES (SUCH AS ULTRAFLO, HDPE, PVC, ETC.) SHALL BE INSTALLED AS PER THE MANUFACTURER'S STANDARDS AND SPECIFICATIONS.

STORM PIPE BEDDING DETAIL

N.T.S.

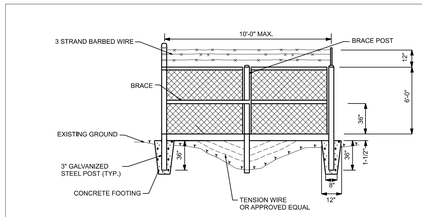


CHAIN LINK FENCE

NOT TO SCALE

NOTES:

1. ALL DIMENSIONS SHALL CONFORM TO SECTION F-162 OF THE SPECIFICATIONS
2. 5/8" COPPER CLAD GROUND ROD ASSEMBLY TO BE INSTALLED AT 500' INTERVALS.
3. 9 GA. CHAIN LINK FABRIC
4. BARBED WIRE SHALL MEET OR EXCEED ASTM A-121 SPECIFICATIONS.
5. FENCE FABRIC SHALL BE IN COMPLIANCE WITH ASTM F1043, GROUP IC, AND AASHTO M181.
6. FENCE FABRIC SHALL CONFORM TO ASTM A491 ALUMINUM-COATED STEEL CHAIN LINK FENCE FABRIC.
7. FENCE POST, TOP RAILS, ANMD BRACES SHALL BE CLASS 1 GRADE B, AS STATED IN THE LATEST FEDERAL SPECIFICATION RR-F-191.
8. TOP/ BRACE RAIL SHALL BE SP1 (1.660" O.D.)PER RR-F-191.
9. LINE POST SHALL BE SP2 (1.90" O.D.)PER RR-F-191.
10. TERMINAL/ BRACE POST SHALL BE SP3 (2.375" O.D.) PER RR-F-191.

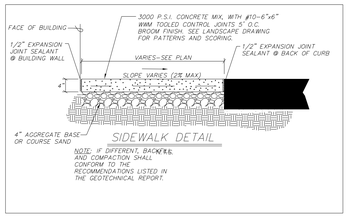


SPECIAL DITCH CROSSING

NOT TO SCALE

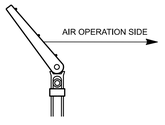
NOTES:

1. NO SEPERATE PAYMENT WILL BE MADE FOR ANY SPECIAL DITCH CROSSINGS REQUIRED. RECOMMEND CONTRACTOR VISIT SITE PRIOR TO SUBMITTING PROPOSAL.



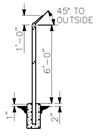
SIDEWALK DETAIL

NOTE: IF DIFFERENT, BACKFILL AND COMPACTION SHALL CONFORM TO THE RECOMMENDATIONS LISTED IN THE GEOTECHNICAL REPORT.



FENCE TOP DETAIL

NOT TO SCALE



END VIEW

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GMC # TATL230006

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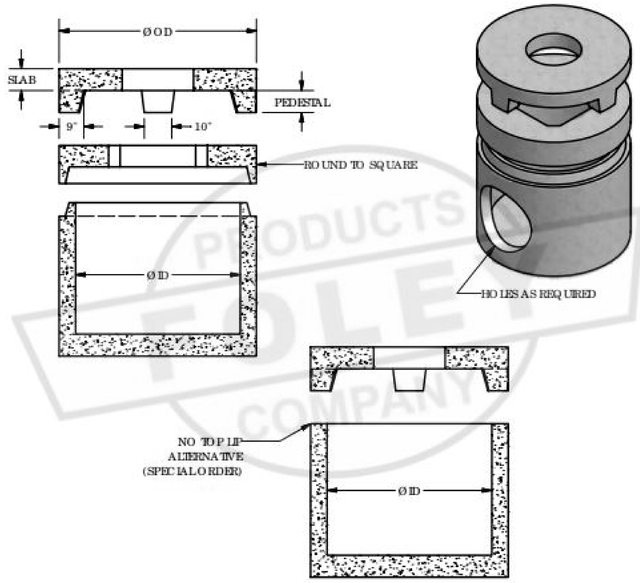
CONSTRUCTION DETAILS

C-301

sheet X of X

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1

ID	OD	PEDESTAL	SLAB	TONS
48"	58"	6.0"	6"	0.69
60"	72"	8.0"	8"	1.41
72"	86"	8.0"	8"	2.02
84"	98"	7.0"	8"	2.62
96"	114"	7.5"	8"	3.54



MATERIALS:
CONCRETE 4,000 PSI, TYPE II CEMENT
REINFORCEMENT PER ASTM C-478

NOTES:
FLEXIBLE CONNECTORS ARE AVAILABLE

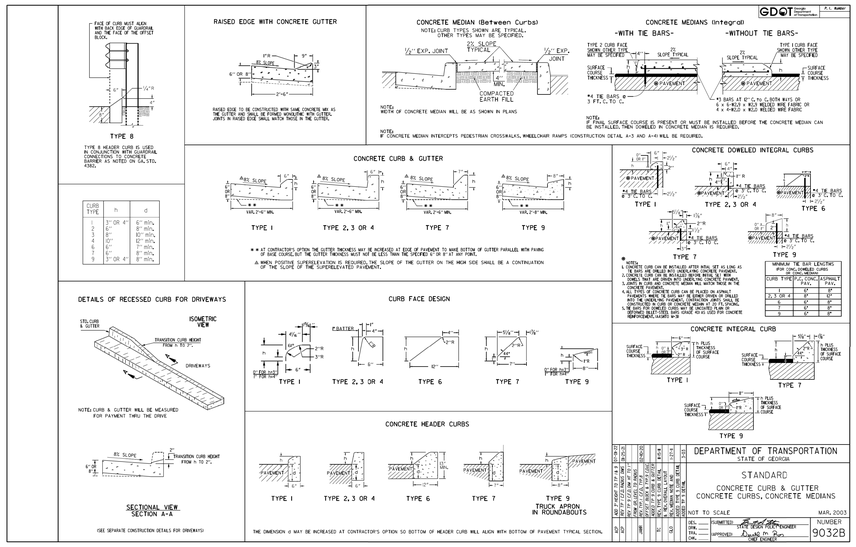
PARTS SHOWN:
Ø60" PEDESTAL TOP
Ø60" ROUND TO SQUARE
Ø60" 4'-0" BASE W/ Ø34" HOLE

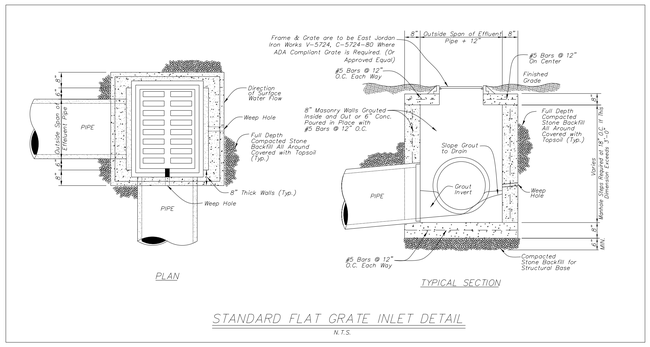
PRODUCTS FOLEY COMPANY

ROUND PRECAST

PEDESTAL TO PS

1.7





STANDARD FLAT GRATE INLET DETAIL
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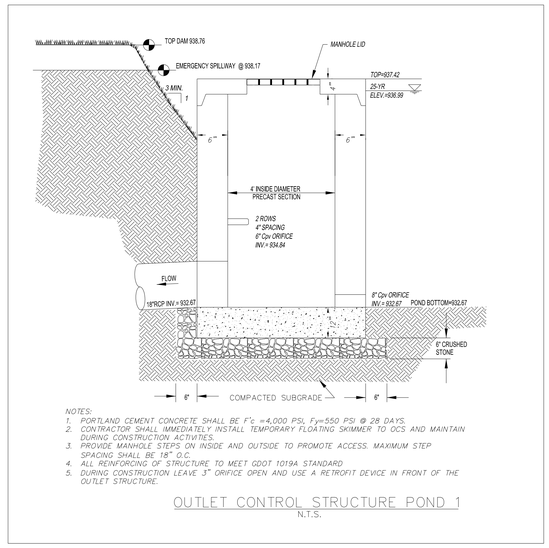


NOTES:
1. PORTLAND CEMENT CONCRETE SHALL BE F'c =4,000 PSI, Fy=550 PSI @ 28 DAYS.
2. CONTRACTOR SHALL IMMEDIATELY INSTALL TEMPORARY FLOATING SKIMMER TO OCS AND MAINTAIN DURING CONSTRUCTION ACTIVITIES.
3. PROVIDE MANHOLE STEPS ON INSIDE AND OUTSIDE TO PROMOTE ACCESS. MAXIMUM STEP SPACING SHALL BE 18" O.C.
4. ALL REINFORCING OF STRUCTURE TO MEET GDOT 1019A STANDARD
5. DURING CONSTRUCTION LEAVE 3" ORIFICE OPEN AND USE A RETROFIT DEVICE IN FRONT OF THE OUTLET STRUCTURE.

OUTLET CONTROL STRUCTURE POND 1
N.T.S.

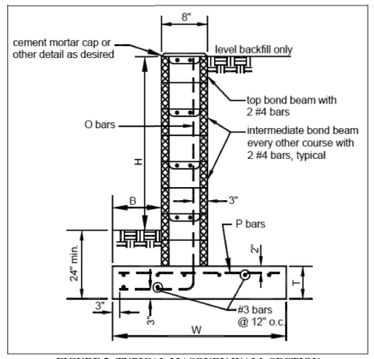
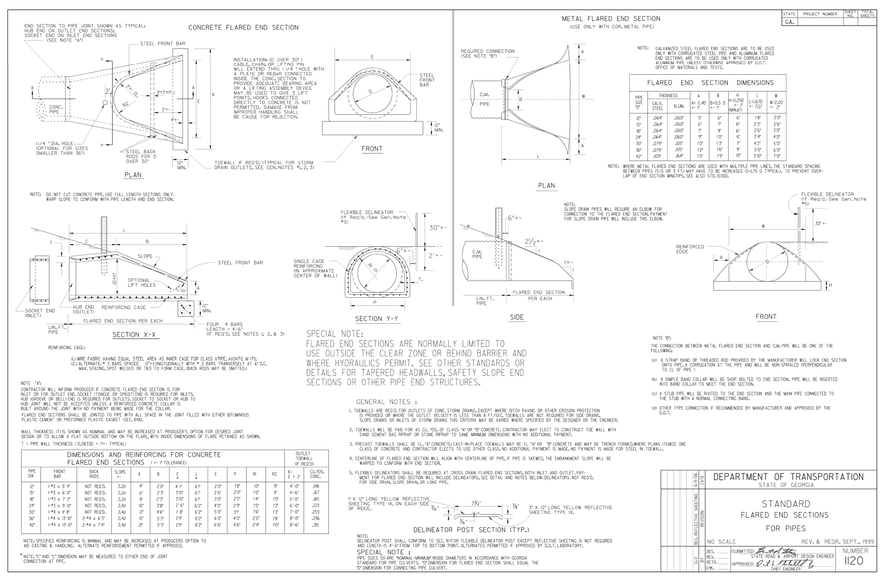


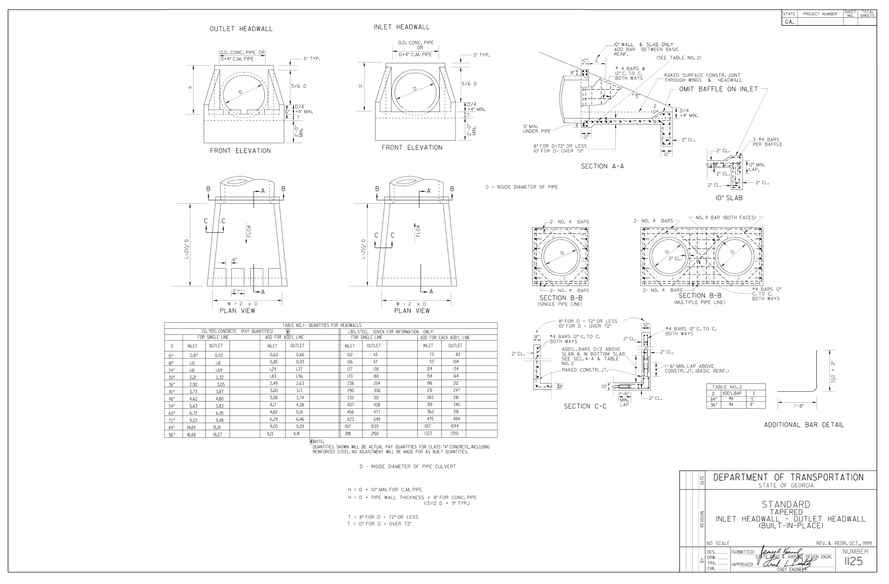
FIGURE 5: TYPICAL MASONRY WALL SECTION

TABLE 1: TYPICAL MASONRY WALL SPECIFICATIONS*

Dimensions, Inches				Reinforcing Bars, Inches on center	
H	B	W	T	O (dowels)	P
24	12	32	9	#3@32	#3@27
33	12	36	9	#4@32	#3@27
42	12	39	10	#5@32	#3@27
46	14	44	10	#4@16	#4@30
60	15	50	12	#6@24	#4@25

*Reference: National Concrete Masonry Association





GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE DATE
CONSTRUCTION 1/29/2024
DEVELOPMENT
DRAWN BY: Author
CHECKED BY: Checker

JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

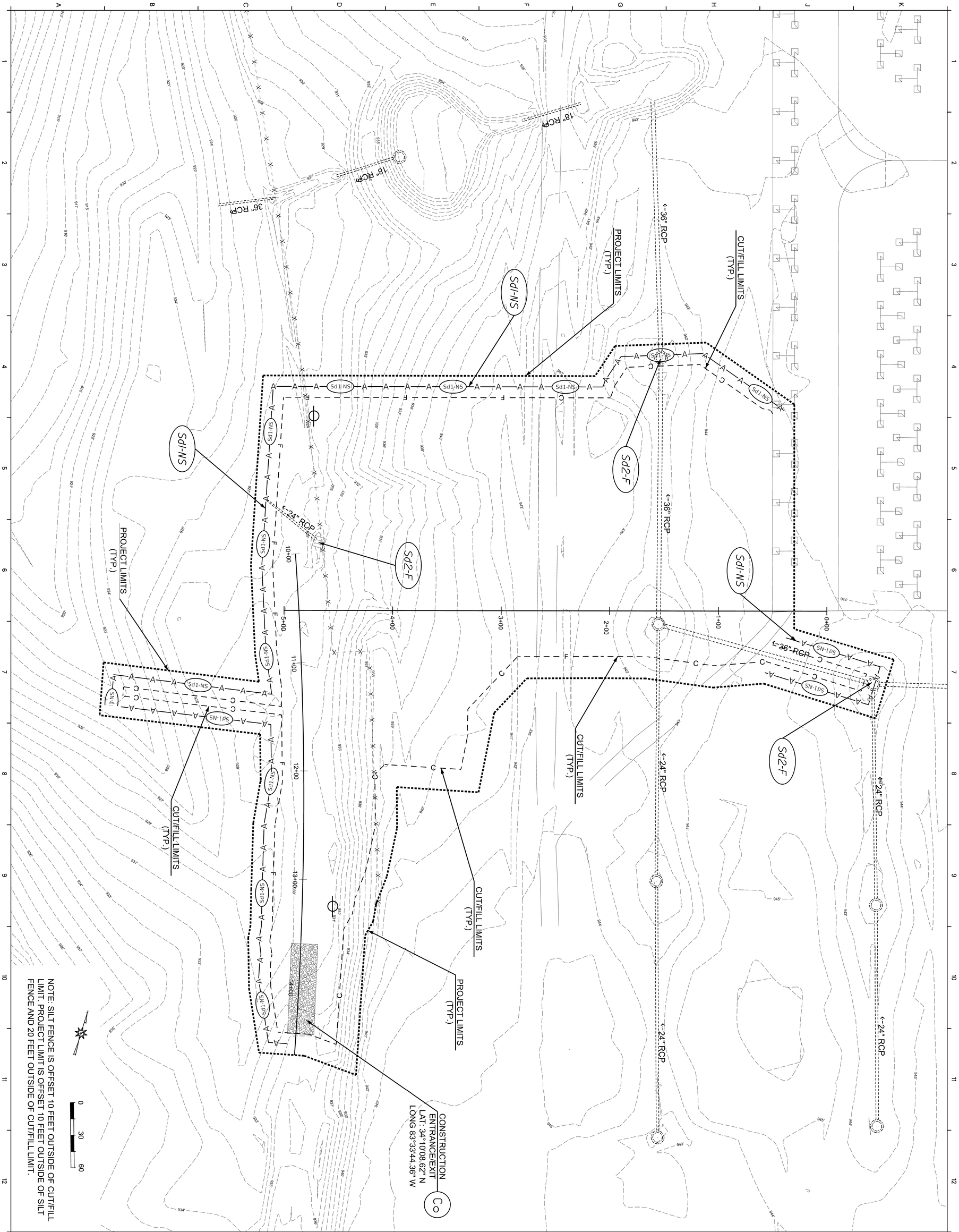
GMC # TATL230006

NOT FOR CONSTRUCTION

CONSTRUCTION DETAILS

C-302

sheet X of X



NOTE: SILT FENCE IS OFFSET 10 FEET OUTSIDE OF CUT/FILL LIMIT. PROJECT LIMIT IS OFFSET 10 FEET OUTSIDE OF SILT FENCE AND 20 FEET OUTSIDE OF CUT/FILL LIMIT.

INITIAL PHASE - EROSION AND SEDIMENT CONTROL PLANS

C-401

sheet X of X

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JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

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Atlanta, GA 30339
T 770.952.2481
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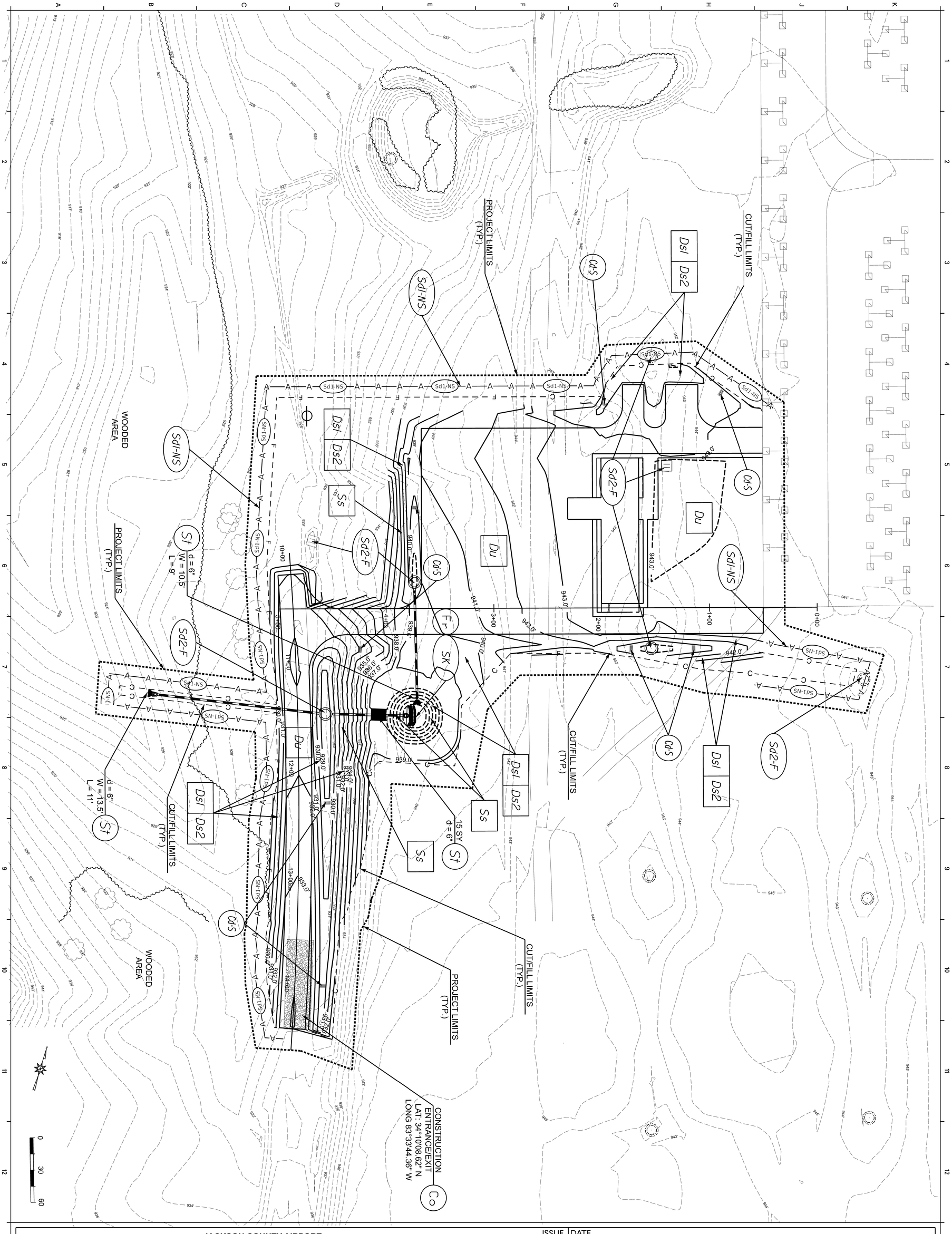

INTERMEDIATE PHASE - EROSION AND SEDIMENT CONTROL PLANS

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C-402
sheet X of X

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NEW TERMINAL
JACKSON COUNTY, GEORGIA

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6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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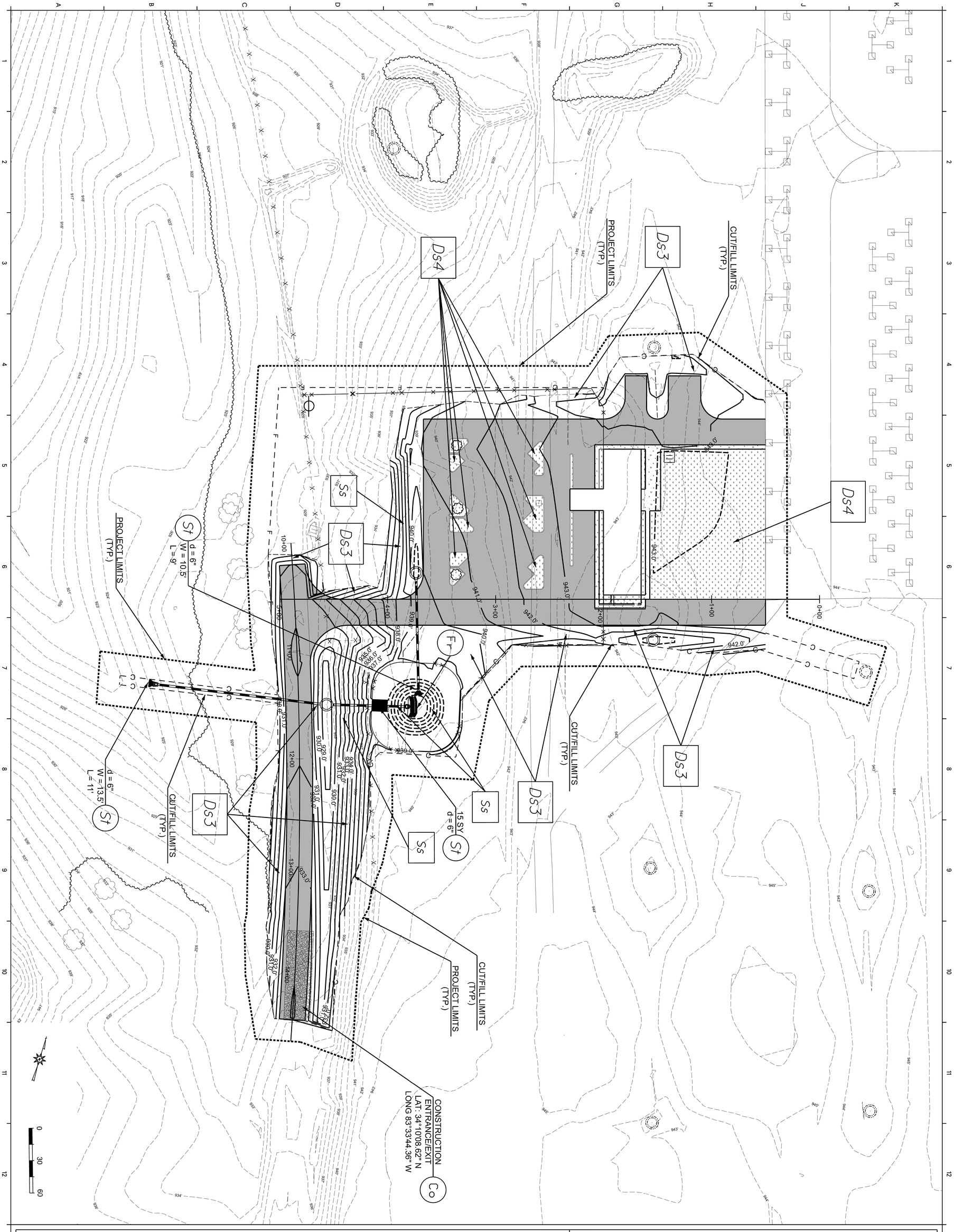

FINAL PHASE - EROSION AND SEDIMENT CONTROL PLANS

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C-403

sheet X of X

JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

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Atlanta, GA 30339
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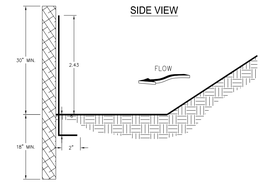
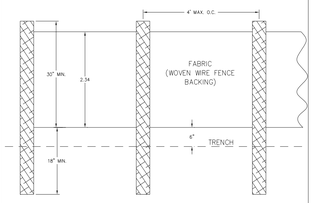
SILT FENCE - TYPE SENSITIVE

SIDE VIEW



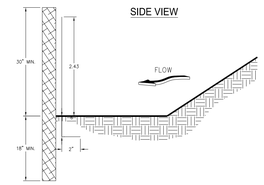
FRONT VIEW



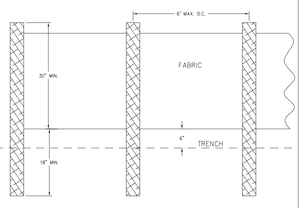
NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

SILT FENCE - TYPE NON-SENSITIVE

SIDE VIEW



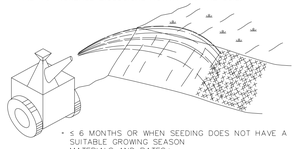
FRONT VIEW



NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Sd1 SEDIMENT BARRIER
(Sd1-S) TYPE SENSITIVE
(Sd1-NS) TYPE NON-SENSITIVE

A TEMPORARY COVER OVER BASE AREAS TO PREVENT EROSION AND REDUCE RUNOFF; TO CONSERVE MOISTURE; TO PREVENT SURFACE COMPACTION OR CRUSTING; TO CONTROL UNDESIRABLE VEGETATION; TO MODIFY SOIL TEMPERATURE AND TO INCREASE BIOLOGICAL ACTIVITY IN THE SOIL.



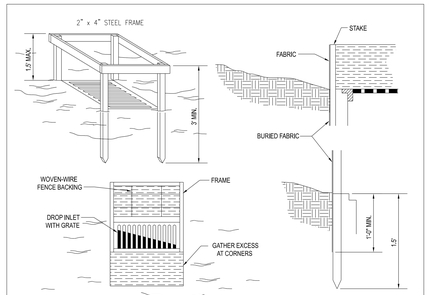
- ≤ 6 MONTHS OR WHEN SEEDING DOES NOT HAVE A SUITABLE GROWING SEASON

MATERIALS AND RATES:

MATERIAL	RATE
STRAW OR HAY	2" to 4" DEEP
WOOD WASTE, CHIPS, SAWDUST OR BARK	2"–3" DEEP (ABOUT 6 TO 9 TONS/ACRE.)
POLYETHYLENE FILM	COMPLETELY COVER AREA

- MAY BE NECESSARY TO ANCHOR

Ds1 (Ds1) DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)



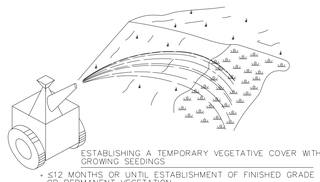
CONSTRUCTION SPECIFICATIONS

This method of inlet protection is applicable where the inlet drains a relatively flat area (slope no greater than 5) and shall not apply to inlets receiving concentrated flows, such as in street or highway medians. Type C silt fence supported by steel posts shall be used. The stakes shall be spaced evenly around the perimeter of the inlet a maximum of 3 feet apart, and securely driven into the ground, approximately 18 inches deep. The fabric shall be entrenched 12 inches and backfilled with crushed stone or compacted soil. Fabric and wire shall be securely fastened to the posts, and fabric ends must be overlapped a minimum of 18 inches or wrapped together around a post to provide a continuous fabric barrier around the inlet.

MAINTENANCE

The trap shall be inspected daily and after each rain and repairs made as needed. Sediment shall be removed when the sediment has accumulated to one-half the height of the trap. Sediment shall be removed from curb inlet protection immediately. For excavated inlet sediment traps, sediment shall be removed when one-half of the sediment storage capacity has been lost to sediment accumulation. Sod inlet protection shall be maintained as specified in Ds4-Disturbed Area Stabilization (with sodding). Sediment shall not be washed into the inlet. It shall be removed from the sediment trap and disposed of and stabilized so that it will not enter the inlet, again. When the contributing drainage area has been permanently stabilized, all materials and any sediment shall be removed, and either salvaged or disposed of properly. The disturbed area shall be brought to proper grade, then smoothed and compacted. Appropriately stabilize all disturbed areas around the inlet.

Sd2-F INLET SEDIMENT TRAP
FILTER FABRIC WITH SUPPORTING FRAME



ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS

- ≤12 MONTHS OR UNTIL ESTABLISHMENT OF FINISHED GRADE OR PERMANENT VEGETATION
- SITE PREPARATION
  - GRADING AND SHAPING
  - SEED BED PREPARATION
  - APPLY LIME AND FERTILIZER
  - PLANT SEEDING, SELECT SPECIES BY SEASON AND REGION
  - APPLY MULCHING MATERIAL IF NEEDED
  - IRRIGATE IF NEEDED BUT NOT AT A RATE TO CAUSE EROSION
- PLANTING DATES DEPEND ON SPECIES AND REGION (MOUNTAIN, PIEDMONT OR COASTAL)

SPECIES	RATE PER 1,000 SQ. FT.	RATE PER ACRE	PLANTING DATES MOUNTAINS	PIEDMONT	COASTAL
RYE	3.9 LB.	3 BU. (168 LBS)	7/15–12/1	8/15–1/1	9/1–3/1
RYEGRASS ANNUAL	0.9 LB.	40 LBS.	8/1–5/1	8/1–4/15	8/15–4/1
ANNUAL LESPEDEZA	0.9 LB.	40 LBS.	2/1–5/1	2/15–5/1	1/15–3/15
WEEPING LOVEGRASS	0.1 LB.	4 LBS.	3/15–6/15	3/15–6/15	2/15–6/15
SUDANGRASS	1.4 LB.	60 LBS.	3/1–9/1	3/1–9/1	3/1–8/15
BROWNTOP MILLET	0.9 LB.	40 LBS.	4/1–7/1	4/1–7/15	4/1–7/15
WHEAT	4.1 LB.	3 BU. (180 LBS)	9/1–1/1	9/1–1/1	9/15–2/1

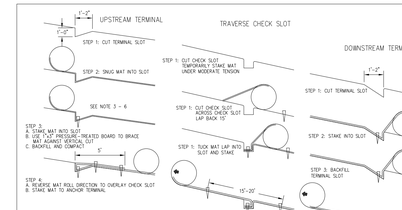
*UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES. SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

LIME AND FERTILIZER:
AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE.
GRADED AREAS REQUIRE LIME APPLICATION. SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED. ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED. FOR SOILS WITH VERY LOW FERTILITY, 500 TO 700 POUNDS OF 10–10–10 FERTILIZER OR THE EQUIVALENT PER ACRE (12–16 LBS./1,000 SQ. FT.) SHALL BE APPLIED. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL.

FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION:

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	N Top Dressing Rate (lbs./acre)
Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 --- 30
Cool seasn grasses & legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 --- ---
Temporary cover crops seeded alone	First	10-10-10	500	30
Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30

Ds2 (Ds2) DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDINGS)



Ss SLOPE STABILIZATION

Temporary Erosion Control Blankets

This includes temporary "combination" blankets (rolled erosion control blankets–RECB) consisting of a plastic netting which covers and is intertwined with a natural organic or manmade mulch, or, a jute mesh which is typically homogeneous in design and can act alone as a soil stabilization blanket.

Temporary blankets as a minimum shall be used to stabilize concentrated flow areas with a velocity less than 5 ft/sec and slopes 2:5:1 or steeper with a height of 10 feet or greater. Because temporary blankets will deteriorate in a short period of time, they provide no enduring reduction in erosion protection.

Benefits of using erosion control blankets include the following:

1. Protection of the seed and soil from raindrop impact and subsequent displacement.
2. Thermal consistency and moisture retention for seedbed area.
3. Stronger and faster germination of grasses and legumes.
4. Trapping of excess storm water runoff.
5. Prevention of sloughing of topsoil added to steeper slopes.

Permanent Erosion Control Matting

Consists of a permanent non-degradable, three-dimensional plastic structure which can be filled with soil prior to planting. These mats are also known as permanent soil reinforcing mats (turf reinforcement matting). Roots penetrate and become entangled in the matrix, forming a continuous anchorage for surface growth and promoting enhanced energy dissipation. Matting shall be used when a vegetative lining is desired in stormwater conveyance channels where the velocity is between five and ten per second.

Benefits of using erosion control matting include the following:

1. All benefits gained from using erosion control blankets.
2. Causes soil to drop out of stormwater and fill matrix with fine soils which become the growth medium for the development of roots.
3. Acts with the vegetative root system to form an erosion resistant cover which resists hydraulic lift and shear forces when embedded in the soil within stormwater channels.

Materials

All blanket and matting materials shall be on the Georgia Department of Transportation Qualified Products List (QPL #62 for blankets, QPL #49 for matting).
All blankets shall be nontoxic to vegetation and to the germination of seed and shall not be injurious to the unprotected skin of humans. At a minimum, the plastic netting shall be intertwined with the mulching material/fiber to maximize strength and provide for ease of handling.

Temporary Blankets

Machine produced temporary combination blankets shall have a consistent thickness with the organic material evenly distributed over the entire blanket area. All combination blankets shall have a minimum width of 48 inches. Machine produced combination blankets include the following:

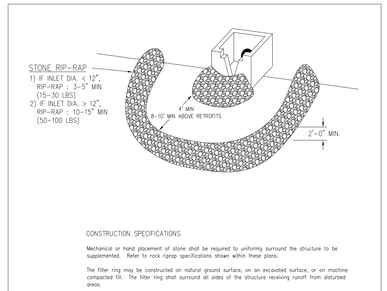
1. Straw blankets are combination blankets that consist of weed–free straw from agricultural crops formed into a blanket. Blankets with a top side of photodegradable plastic mesh with a maximum mesh size of 5/16 x 5/16 inch and sewn to the straw with biodegradable thread is appropriate for slopes. The blanket shall have a minimum thickness of 3/8 inch and minimum dry weight of 0.5 pounds per square yard.
2. Excelsior blankets are combination blankets that consist of curled wood excelsior (80"fibers are six inches or longer") formed into a blanket. Blankets with a top side of photodegradable plastic mesh with a maximum mesh size of 1 inch and sewn to the excelsior with a photodegradable plastic mesh having a maximum mesh size of 1 1/2 x 2 inches. The blanket shall have a minimum thickness of 1/4 of an inch and a minimum dry weight of 0.8 pounds per square yard. Slopes require excelsior matting with the topside of the blanket covered in the plastic mesh, and for waterways, both sides of the blanket require plastic mesh.
3. Coconut fiber blankets are combination blankets that consist of 100% coconut fiber formed into a blanket. The minimum thickness of the blanket shall be 1/4 of an inch with a minimum dry weight of 0.5 pounds per square yard. Blankets shall have photodegradable plastic mesh, with a maximum mesh size of 5/8 x 5/8 inch and sewn to the fiber with a breakdown resistant synthetic yarn. Plastic mesh is required on both sides of the blanket is used in waterways. A maximum of two inches is allowable for the stitch pattern and row spacing.
4. Wood fiber blankets are combination blankets that consist of reprocessed wood fibers that do not possess or contain any growth or germination inhibiting factors. The blanket shall have a photodegradable plastic mesh, with a maximum mesh size of 5/8 x 3/4 inch, securely bonded to the top of the mat. The blanket shall have a minimum dry weight of 0.35 pounds per square yard. A maximum of two inches is allowable for the stitch pattern and row spacing. This practice shall be applied only to slopes.
5. Jute Mesh can be applied to slopes. Jute mesh with a 48 inch width shall show between 76 and 80 warpings and a one yard length shall show between 39 to 43 eftings. The woven mesh shall be at least 45 inches wide. Yarn shall have a unit weight of at least 0.9 pounds per square yard, but not more than 1.5 pounds per square yard.

Permanent Matting

Permanent matting shall consist of a lofty web of mechanically or melt bonded polymer nettings, monofilaments or fibers which are entangled to form a strong and dimensionally stable matrix. Polymer welding, thermal of polymer fusion, or the placement of fibers between two high-strength, biaxially oriented nets bound securely together by parallel lock stitching with polyolefin, nylon or polyester threads are all appropriate bonding methods. Mats shall maintain their shape before, during, and after installation, under dry or water saturated conditions. Mats must be stabilized against ultraviolet degradation and shall be inert to chemicals normally encountered in a natural soil environment.

The mat shall conform to the following physical properties:

Property	Minimum Value
Thickness	0.5 inch
Weight	0.6 PSY
Roll Width	38 inches
Tensile Strength Length (50% elongation) Length (ultimate)	15 lbs./in. 20 lbs./in.



CONSTRUCTION SPECIFICATIONS

Mechanical or hand placement of stone shall be required to uniformly surround the structure to be supplemented. Refer to rock riprap specifications shown within these plans.

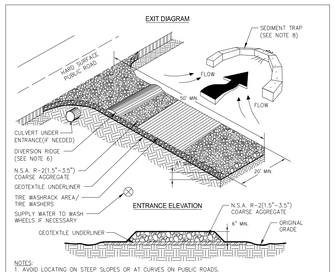
The filter ring may be constructed on natural ground surface, on an excavated surface, or on machine compacted fill. The filter ring shall surround all sides of the structure receiving runoff from disturbed areas.

A common failure of filter rings is caused by their placement too close or too high above the structure it is enhancing. When utilized below a storm drain outlet, it shall be placed such that it does not create a condition causing water to back–up into the storm drain and inhibit the function of the storm drain system.

MAINTENANCE

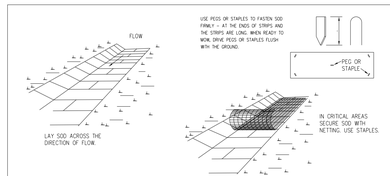
The filter ring must be kept clear of trash and debris. This will require continuous monitoring and maintenance, which includes sediment removal when one–half full. Structures are temporary and should be removed when the land–disturbing project has been stabilized.

Fr FILTER RING



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R–2 (1.5"–3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF IGNOULAR EGRESS, BUT NO LESS THAN 20'.
6. A RIDGE SHALL BE CONSTRUCTED AT THE EXIT, WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (OVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS–OF–WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Co TEMPORARY CONSTRUCTION EXIT



Sod Planting Requirement		
Grass	Varieties	Growing Season
Bermudagrass	Common Tifway Tifgreen Tifdwarf	Warm Weather
Bahiagrass	Pensacola	Warm Weather
Centipede	–	Warm Weather
Zoysia	Emerald Myer	Warm Weather
Tall Fescue	Kentucky 31	Cool Weather

MAINTENANCE:

Re-sod areas where an adequate stand of sod is not obtained. New sod should be mowed when grass height should not be cut less than 2 –3 or as specified (See table above).

Apply one ton of agricultural lime as indicated by soil test or every 4–6 years. Fertilize grasses in accordance with the soil tests or the below table.

Fertilizer Requirements for Sod

Types Of Species	Planting Year	Fertilizer (N–P–K)	Rate (lbs./acre)	Nitrogen Top Dressing Rate (lbs./acre)
Cool Season Grasses	First Second Maintenance	6–12–12 6–12–12 10–10–10	1500 1000 400	50–100 --- 30
Warm Season Grasses	First Second Maintenance	6–12–12 6–12–12 10–10–10	1500 800 400	50–100 50–100 30

Streambank Erosion Protection Measures
Relative Costs and Complexity

Measure	Relative Cost	Relative Complexity
Live Stake Joint planting Live Fascine Bushmattress	Low Low Moderate Moderate	Simple Simple Moderate Moderate to Complex
Live cribwall Branchpacking	High Moderate	Complex Moderate to Complex
Conventional Vegetation	Low to Moderate	Simple to Moderate
Conventional Tree armoring (Planting)	Moderate to High	Moderate to Complex

MAINTENANCE:

Check banks after every high water event, fixing gaps in the vegetative cover at once with structural materials or new plants, and mulching if necessary. Fresh cuttings from other plants may be used for repairs.

When fertilizer is applied on the surface, it is best to apply about one–half at planting, one–fourth when new growth is about to inches tall, and one–fourth about six weeks later.

CONSTRUCTION SPECIFICATIONS INSTALLATION

Soil Preparation:

Bring soil surface to final grade. Clear surface of trash, woody debris, stones and clods larger than 1". Apply sod to soil surfaces only and not frozen surfaces, or gravel type soils.

Topsoil properly applied will help guarantee a stand. Don't use topsoil recently treated with herbicides or soil sterilants.

Mix fertilizer into soil surface. Fertilize based on soil tests or the table below.

Fertilizer Requirements for Soil Surface Application			
Fertilizer Type	Fertilizer (lbs./acre)	Fertilizer (lbs./sq.ft.)	Season
10–10–10	1000	.025	Fall

Agricultural lime should be applied based on soil tests or at a rate of 1 to 2 tons per acre.

Installation:

Lay sod with tight joints and in straight lines. Don't overlap joints. Stagger joints and do not stretch sod.

On slopes steeper than 3:1, sod should be anchored with pins or other approved methods. Installed sod should be rolled or tamped to provide good contact between sod and soil.

Irrigate sod and soil to a depth of 4" immediately after installation.

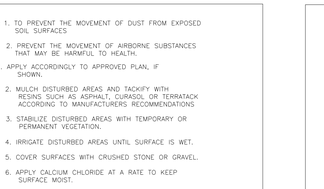
Sod should not be cut or spread in extremely wet or dry weather. Irrigation should be used to supplement rainfall for a minimum of 2–3 weeks.

Materials:

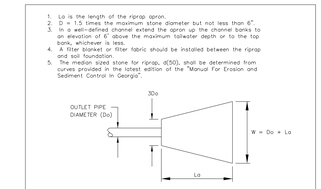
Sod selected should be certified. Sod grown in the general area of the project is desirable.

1. Sod should be machine cut and contain 3/4" (+ or – 1/4") of soil, not including shoots or thatch.

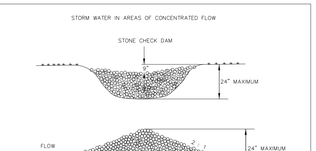
Ds4 DISTURBED AREA STABILIZATION (WITH SODDING)



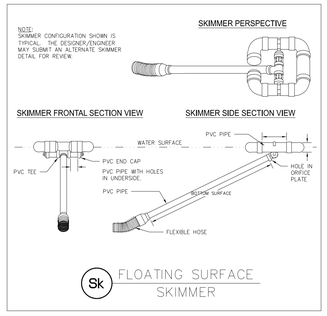
Du DUST CONTROL ON DISTURBED AREAS



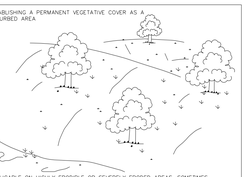
STORM DRAIN OUTLET PROTECTION



Cd–S (Cd–S) STONE CHECK DAM



Sk FLOATING SURFACE SKIMMER



- APPLICABLE ON HIGHLY ERODIBLE OR SEVERELY ERODED AREAS, SOMETIMES CALLED "CRITICAL AREAS" INCLUDING:
  - CUT OR FILL SLOPES
  - EARTH SPILLWAYS
  - BORROW AREAS
  - CHANNEL BANKS
  - BERMS
  - ROADSIDES
  - STEEP AREAS
  - EXCLUDED LANDS
- GRADING AND SHAPING REQUIRED WHERE FEASIBLE AND PRACTICAL
- SEED BED PREPARATION
  - NOT REQUIRED IF USING HYDRAULIC SEEDING AND FERTILIZING
  - WHEN REQUIRED:

SLOPE	SEED BED
3:1 OR FLATTER	2-4" DEEP
2:1 TO 3:1	1" TO 4" DEEP
2:1 OR STEEPER	DEPRESSIONS EVERY 2-4" APART WITH HAND TOOL

- HAVE SOIL ANALYZED FOR LIME AND FERTILIZER RATE
- MULCH SHALL BE APPLIED TO COVER 90% OF THE SOIL SURFACES.
- ANCHOR MULCH IMMEDIATELY

PERMANENT GRASSING

GRASS SEED ON LEVEL OR SLIGHTLY SLOPING GROUND SHALL CONSIST OF THE FOLLOWING FOR THE PLANTING DATES SPECIFIED:

(A) MARCH 1 TO JUNE 30
COMMON BERMUDA (HULLED) 10 LBS/ACRE
TALL FESCUE 50 LBS/ACRE

(B) AUGUST 1 TO NOVEMBER 1
TALL FESCUE 50 LBS/ACRE
COMMON BERMUDA (UNHULLED) 10 LBS/ACRE

(C) NOVEMBER 1 TO MARCH 1
COMMON BERMUDA (UNHULLED) 10 LBS/ACRE

PERMANENT GRASSING

GRASS SEED ON LEVEL OR SLOPES 3:1 OR STEEPER AND INFREQUENTLY MOWED AREAS SHALL CONSIST OF THE FOLLOWING FOR THE PLANTING DATES SPECIFIED:

(A) MARCH 1 TO JUNE 15
WEEPING LOVEGRASS 4 LBS/ACRE
SERICEA LESPEDEZA (SCARIFIED) 60 LBS/ACRE

(B) AUGUST 1 TO NOVEMBER 1
TALL FESCUE 50 LBS/ACRE
SERICEA LESPEDEZA (UNSCARIFIED) 75 LBS/ACRE

(C) NOVEMBER 1 TO MARCH 1
COMMON BERMUDA (UNHULLED) 10 LBS/ACRE
SERICEA LESPEDEZA (UNSCARIFIED) 75 LBS/ACRE

WHEN AS DIRECTED BY THE ENGINEER, SEED OF AN APPROVED QUICK GROWING SPECIES OF GRASS, SUCH AS RYE, ITALIAN RYE, MILLET OR OTHER CEREAL GRASS, SHALL BE APPLIED AT A RATE OF 30 LBS/ACRE IN CONJUNCTION WITH AND IN ADDITION TO THE SEED MIXTURE SPECIFIED ABOVE.

FERTILIZER

COMMERCIAL FERTILIZER SHALL COMPLY WITH THE STATE FERTILIZER LAWS AND SHALL BE OF AN ACCEPTED AND APPROVED COMMERCIAL BRAND. FERTILIZER SHALL BE A READY MIXED MATERIAL CONTAINING THE SOIL NUTRIENTS AS SPECIFIED AND IN A SUITABLE FORM COMPATIBLE WITH THE EQUIPMENT USED TO ACHIEVE UNIFORM DISTRIBUTION OF THE FERTILIZER. THE FERTILIZER MIXTURE SHALL CONTAIN THE FOLLOWING NUTRIENTS: AVAILABLE NITROGEN (N), 12% BY WEIGHT; AVAILABLE PHOSPHATE (P2O5), 12% AVAILABLE PHOSPHORIC ACID; AND 12% WATER SOLUBLE POTASH (K2O–12–12) ANALYSIS. CONTAINER TAGS SHALL HAVE THE NAME AND ADDRESS OF THE MANUFACTURER, THE BRAND NAME, NET WEIGHT, AND CHEMICAL COMPOSITION OF ANALYSIS. FERTILIZER SHALL BE APPLIED AT THE RATE OF 1,500 LBS PER ACRE AT THE TIME OF SEEDING.

LIME

AGRICULTURAL DOLOMETIC LIME SHALL BE A PULVERIZED LIMESTONE HAVING A CALCIUM CARBONATE EQUIVALENT CONTENT OF NOT LESS THAN 90% OF THE TOTAL MATERIAL SHALL PASS A 10–MESH SIEVE AND AT LEAST 25% SHALL PASS A 100–MESH SIEVE. LIME SHALL BE APPLIED AS INDICATED BY THE SOIL TEST, AT THE RATE OF 1 TO 2 TONS PER ACRE.

WATER

THE WATER USED IN THE GRASSING OPERATIONS MAY BE OBTAINED FROM ANY APPROVED SPRING, POND, LAKE, STREAM, OR MUNICIPAL WATER SYSTEM. THE WATER SHALL BE FREE OF EXCESS AND HARMFUL CHEMICALS, ACIDS, ALKALIES, OR ANY SUBSTANCE WHICH MIGHT BE HARMFUL TO PLANT GROWTH.

WATERING MAINTENANCE AND RESEEDING

CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE PROPER MOISTURE CONTENT OF THE SOIL TO INSURE ADEQUATE PLANT GROWTH UNTIL A SATISFACTORY STAND OF GRASS IS OBTAINED. WATERING SHALL BE PERFORMED TO MAINTAIN AN ADEQUATE WATER CONTENT IN THE SOIL.

THE CONTRACTOR SHALL MOW AND MAINTAIN ALL SEEDED AREAS WITHOUT ADDITIONAL PAYMENT UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER, AND ANY REGRADING, REFERTILIZING, RELIMING, RESEEDING OR REMULCHING SHALL BE DONE AT HIS OWN EXPENSE. SEEDING WORK SHALL BE REPEATED ON DEFECTIVE AREAS UNTIL A SATISFACTORY STAND OF GRASS IS OBTAINED. ANY DAMAGE TO SEEDED AREAS RESULTING FROM EROSION, GULLIES, WASHOUTS, OR OTHER CAUSES SHALL BE REPAIRED BY FILLING WITH TOPSOIL, COMPACTING, AND PREPARING THE SEEDING WORK AT HIS EXPENSE.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL WILL BE INSTALLED IF DEEMED NECESSARY BY ON–SITE INSPECTION.

THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.

Ds3 (Ds3) DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE DATE
CONSTRUCTION 1/29/2024
DEVELOPMENT

DRAWN BY: Author
CHECKED BY: Checker

JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

NOT FOR CONSTRUCTION

EROSION DETAILS

C-404
Sheet X of X

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1

BEST MANAGEMENT PRACTICES NOTES:

1. ALL BEST MANAGEMENT PRACTICES SHALL BE DEVELOPED AND MAINTAINED BY THE CONTRACTOR ACCORDING TO THE ENVIRONMENTAL PROTECTION DIVISION, GEORGIA (EPD) AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) – "BEST MANAGEMENT PRACTICES MANUAL" AND THE REQUIREMENTS OF THE SITE SPECIFIC NPDES DISCHARGE PERMIT ISSUED FOR THIS PROJECT AS WELL AS THE LOCAL SOIL AND WATER CONSERVATION DISTRICT OFFICES IN EACH COUNTY.

2. THE MAINTENANCE OF ALL BEST MANAGEMENT PRACTICES, SO AS TO BE AN EFFECTIVE BARRIER TO EROSION AND SEDIMENTATION, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN COMPLIANCE WITH ALL ADEM AND EPA BEST MANAGEMENT PRACTICES AND THE NPDES PERMIT ASSOCIATED WITH THIS SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR, REPLACEMENT, AND/OR SUPPLEMENTATION OF ANY CONTROL MEASURES THAT ARE NOT FUNCTIONING PROPERLY. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHOWN ON THE PLANS SHALL BE CONSIDERED A MINIMUM.

3. OTHER THAN LAND-CLEARING ACTIVITIES REQUIRED TO INSTALL THE APPROPRIATE BMP IN ACCORDANCE WITH THE BMP PLANS, ANY DOWN SLOPE EROSION AND SEDIMENT CONTROL MEASURES, ON-SITE STREAM CHANNEL PROTECTION AND UPSLOPE DIVERSION OF DRAINAGE REQUIRED BY THE BMP PLAN SHALL BE IN PLACE AND FUNCTIONAL BEFORE ANY CLEARING OR EARTH MOVING OPERATIONS BEGIN AND SHALL BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT SHALL BE REPLACED AT THE END OF THE WORKDAY.

4. THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE WHICH CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. ANY SLOPE OR FILL WHICH HAS BEEN GRADED SHALL WITHIN FOURTEEN (14) DAYS OF THE COMPLETION OF SUCH GRADING OR THE COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE BE PROVIDED WITH EROSION COVER, MATERIALS, DEVICES, OR STRUCTURES SUFFICIENT TO RETAIN EROSION. THE BMPs SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE BMP PLAN UNTIL THE GRADED SLOPE OR FILL IS STABILIZED.

5. ALL HAZARDOUS SUBSTANCES USED FOR THIS PROJECT (PAINT, OIL, GREASE, AND OTHER PETROLEUM PRODUCTS) SHALL BE STORED IN ACCORDANCE WITH SPCC REGULATIONS. THESE SUBSTANCES SHALL BE STORED AWAY FROM STORM DRAINS, DITCHES, AND GUTTERS IN WATERTIGHT CONTAINERS. DISPOSAL OF THESE SUBSTANCES SHALL BE IN ACCORDANCE WITH ADEM REGULATIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ONSITE FOR THE DISPOSAL OF CONSTRUCTION MATERIALS WASTE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING TRASH FROM ENTERING THE STORM DRAINAGE SYSTEM.

6. ALL CONTROL MEASURES SHALL BE CHECKED, AND REPAIRED AS NECESSARY, MONTHLY IN DRY PERIODS, AND WITHIN 24 HOURS AFTER ANY RAINFALL AT THE SITE OF 0.75 INCH WITHIN A 24 HOUR PERIOD, DURING PROLONGED RAINFALLS, DAILY CHECKING AND, IF NECESSARY, REPAIRING SHALL BE DONE. THE PERMITTEE SHALL MAINTAIN WRITTEN RECORDS OF SUCH CHECKS AND REPAIRS, WHICH SHALL BE SUBJECT TO THE INSPECTION OF THE OFFICIAL AT ANY REASONABLE TIME.

7. PROJECT AREA = 4.687 Acres. DISTURBED AREA = 4.687 +/- Acres

8. APPROXIMATE START DATE: XX/XX/2024. APPROXIMATE END DATE: XX/XX/XXXX.

9. EXISTING SITE CONDITIONS: CONCRETE, ASPHALT, GRASS.

10. ALL MATERIALS SHALL BE PROPERLY STORED, NOT EXPOSED TO RAIN, AND STOCKPILED. ALL CONTAINERS SHALL BE STORED CLOSED OR IN COVER. ALL EXCESS OR WASTE MATERIAL SHALL BE DISPOSED OF PROPERLY. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION WASTE DUMPSTER OR TRAILER ON SITE FOR CONSTRUCTION WASTE. THE CONTRACTOR SHALL DISPOSE OF TRASH AND WASTE TO AN ACCEPTABLE OFFSITE FACILITY EVERY 10 DAYS MINIMUM.

11. THERE SHALL BE NO DISTINCTLY VISIBLE FLOATING SCUM, OIL, OR OTHER MATTER CONTAINED IN THE STORM WATER DISCHARGE TO A RECEIVING WATER, MUST NOT CAUSE AN UNNATURAL COLOR (EXCEPT DYES OR OTHER SUBSTANCES DISCHARGED FOR THE PURPOSE OF ENVIRONMENTAL STUDIES AND WHICH DO NOT HAVE A HARMFUL EFFECT ON THE RECEIVING WATER), OR ODOR IN THE RECEIVING WATERS. THE STORM WATER DISCHARGE TO RECEIVING WATER MUST RESULT IN NO MATERIAL IN CONCENTRATION SUFFICIENT TO BE HAZARDOUS OR OTHERWISE DETRIMENTAL TO HUMANS, LIVESTOCK, WILDLIFE, PLANT LIFE OR FISH AND AQUATIC LIFE IN THE RECEIVING WATER.

12. WHEN THE LAND-DISTURBING ACTIVITY IS FINISHED AND STABLE VEGETATION OR OTHER PERMANENT CONTROLS HAVE BEEN ESTABLISHED ON ALL REMAINING EXPOSED SOIL, THE OWNER OF THE LAND WHERE THE LAND-DISTURBING ACTIVITY WAS CONDUCTED, OR HIS AUTHORIZED AGENT, SHALL NOTIFY THE OFFICIAL OF THESE FACTS AND REQUEST A FINAL INSPECTION. THE OFFICIAL SHALL THEN INSPECT THE SITE WITHIN 5 WORKING DAYS AFTER RECEIPT OF NOTICE, AND MAY REQUIRE ADDITIONAL MEASURES TO STABILIZE THE SOIL AND CONTROL EROSION AND SEDIMENTATION AS REQUIRED.

13. THE CONTRACTOR SHALL MINIMIZE THE TRACKING OF MUD AND DEBRIS ONTO PAVED ROADWAYS FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION EXIT PAD AS NOTED ON THE PLANS AND MAINTAIN IT ON A REGULAR BASIS AS AN EFFECTIVE MEASURE FOR REMOVING MUD AND DEBRIS FROM EQUIPMENT TIRES FROM BEING TRACKED FROM THE SITE ONTO ADJACENT ROADWAYS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SPRAY HOSE FOR WASHING OF TIRES AND EQUIPMENT, THE PERIODIC REWORKING OF THE CONSTRUCTION EXIT PAD STONE, OR SUPPLEMENTING THE EXIT PAD WITH ADDITIONAL STONE AS REQUIRED TO ENSURE ITS CONTINUED EFFECTIVENESS THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AT HIS EXPENSE ANY MUD AND DEBRIS TRACKED OFFSITE AND ONTO ADJACENT ROADWAYS AS REQUIRED.

14. ALL EXISTING AND NEW STORM DRAINAGE INLETS, STRUCTURES, AND PIPES SHALL BE CLEANED OF TRASH AND SEDIMENTS ON A REGULAR BASIS, WEEKLY AT A MINIMUM, SO AS NOT TO ALLOW DOWNSTREAM POLLUTION OF RECEIVING WATERS OR THE ESCAPING OF SEDIMENTS OFF SITE.

15. TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE PROVIDED AS REQUIRED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING DUST TO A MINIMUM THROUGH THE USE OF WATER TRUCKS OR OTHER DUST CONTROLLING METHODS THROUGHOUT THE CONSTRUCTION PERIOD.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING EROSION AND SILTATION OFF OF ADJACENT AND DOWNSTREAM PROPERTIES AND/OR ADJOINING SITES. AT HIS EXPENSE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SEDIMENTS AND DEBRIS ESCAPING THIS PROJECT SITE, THE REMEDIATION AND/OR REPAIR OF ANY DAMAGE THAT MAY OCCUR AS A RESULT TO ADJOINING AND/OR DOWNSTREAM AFFECTED PROPERTIES OR OFFSITE STRUCTURES, AND ANY FINES OR PENALATIES LEVIED AGAINST THE PROJECT BY REGULATORY AGENCIES DUE TO DEFICIENCIES OF CONTROL MEASURES.

17. ALL DISTURBED AND REGRADED AREAS NOT TO BE PAVED SHALL RECEIVE TOPSOIL AND BE SEEDED AND MULCHED ACCORDING TO GDOT. PERMANENT SEEDING SCHEDULES, COVERED WITH SOLID SOD, OR AS SHOWN ON THE LANDSCAPE PLAN (IF ANY). LOCALIZED EROSION AND RILLS SHALL BE REPAIRED AS NECESSARY AT THE CONTRACTORS EXPENSE. AREAS TO BE SEEDED SHALL RECEIVE 4" OF TOPSOIL AND AREAS TO BE SODDED SHALL RECEIVE 2" (MIN.) OF TOPSOIL. ACCOUNT FOR THICKNESS OF TOPSOIL WITH RESPECT TO FINISHED GRADES.

18. THESE PLANS EXPRESSLY DELEGATE THE RESPONSIBILITY OF PROPER ON-SITE HAZARDOUS MATERIAL MANAGEMENT TO THE CONTRACTOR. THE CONTRACTOR SHALL AT A MINIMUM PROVIDE AN ACTION PLAN AND KEEP THE NECESSARY MATERIALS ON SITE FOR THE CAPTURE, CLEAN UP, AND DISPOSAL OF ANY PETROLEUM PRODUCT, OR OTHER HAZARDOUS MATERIAL, LEAKS OR SPILLS ASSOCIATED WITH THE SERVICING, REFUELING OR OPERATION OF ANY EQUIPMENT UTILIZED AT THE SITE. A COPY OF THE ACTION PLAN SHALL BE SUBMITTED TO THE PROJECT ENGINEER AND MAINTAINED ON THE PROJECT SITE. ALL PERSONNEL OPERATING OR SERVICING EQUIPMENT SHALL BE FAMILIAR WITH THE ACTION PLAN. THE CONTRACTOR SHALL NOT PARK, REFUEL, OR MAINTAIN EQUIPMENT WITHIN STREAM BUFFERS. IF THE CONTRACTOR ELECTS TO STORE PETROLEUM PRODUCTS ON SITE, THE CONTRACTOR SHALL PREPARE AN ESPCP ADDENDUM THAT ADDITIONAL BMPS NEEDED FOR ONSITE STORAGE AND SPILL PREVENTION FOR PETROLEUM PRODUCTS. THIS PLAN SHALL BE PREPARED BY A CERTIFIED DESIGN PROFESSIONAL AS REQUIRED BY GAR100002 FOR INCLUSION WITH THESE PLANS. THE CONTRACTOR'S ATTENTION IS SPECIFICALLY DIRECTED TO STANDARD SPECIFICATION 107-LEGAL REGULATIONS AND RESPONSIBILITY TO THE PUBLIC FOR ADDITIONAL REQUIREMENTS.

19. THE WASHING OF READY-MIX CONCRETE DRUMS AND DUMP TRUCK BODIES USED IN THE DELIVERY OF PORTLAND CEMENT CONCRETE IS PROHIBITED ON THIS SITE. IN ACCORDANCE WITH STANDARD SPECIFICATION 107: LEGAL REGULATIONS AND RESPONSIBILITY TO THE PUBLIC, ONLY THE DESCHARGE CHUTE UTILIZED IN THE DELIVERY OF PORTLAND CEMENT CONCRETE MAY BE RINSED FREE OF FRESH CONCRETE REMAINS. THE CONTRACTOR SHALL EXCAVATE A PIT OUTSIDE OF STATE WATER BUFFERS, AT LEAST 25 FEET FROM ANY STORM DRAIN AND OUTSIDE OF THE TRAVELLED WAY, INCLUDING SHOULDERS, FOR A WASH-DOWN PIT. THE PIT SHALL BE LARGE ENOUGH TO STORE ALL WASH-DOWN WATER WITHOUT OVERTOPPING. IMMEDIATELY AFTER THE WASH-DOWN OPERATIONS ARE COMPLETED AND AFTER THE WASH-DOWN WATER HAS SOAKED INTO THE GROUND, THE PIT SHALL BE FILLED IN, AND THE GROUND ABOVE IT SHALL BE GRADED TO MATCH THE ELEVATION OF THE SURROUNDING AREAS. ALTERNATE WASH-DOWN PLANS MUST BE APPROVED BY THE PROJECT ENGINEER.

20. POST CONSTRUCTION MEASURES INSTALLED DURING THE PROJECT TO CONTROL POLLUTANTS IN STORMWATER WILL INCLUDE ADS FLEX STORM FILTER BAGS INSIDE DESIGNED STORMWATER STRUCTURES, AS WELL AS PERMANENT GRASSING AND VEGETATION.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES:

1. THE PROJECT IS LOCATED CENTRALLY IN JACKSON COUNTY APPROXIMATELY 4.6 MILES NORTH OF THE CITY OF JEFFERSON GEORGIA AS SHOWN ON THE COVER SHEET AND PLAN SHEETS. THE PROJECT INVOLVES THE CONSTRUCTION OF A NEW HANGAR WITH PARKING LOT AND TURN LANE.

2. THE RESPONSIBLE PARTY FOR THE EROSION, SEDIMENTATION, AND POLUTION CONTROL, 24 HR. CONTACT: XXX , PH. (706) XXX-XXXX FAX (706) XXX-XXXX.
THE CONTACT INFORMATION FOR THE PRIMARY PERMITTEE, CONTACT: XXXX, PH. (706) XXX-XXXX FAX (706) XXX-XXXX

3. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, LAND-DISTURBING ACTIVITIES.

4. THE CONSTRUCTION PAD SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC STREETS.

5. SILT FENCES AND HAY BALE BARRIERS SHALL BE CLEANED OR REPLACED AND MAINTAINED IN FUNCTIONAL CONDITION UNTIL PERMANENT EROSION CONTROL MEASURES ARE ESTABLISHED.

6. SILT FENCE FABRIC SHALL BE COMPRISED OF GA. DOT QUALIFIED PRODUCTS LIST 36, FOR SILT FENCE FABRIC.

7. ALL GRASSING SHALL BE IN ACCORDANCE WITH CHAPTER 6, SECTION III "VEGETATIVE PRACTICES" OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

8. ALL OTHER WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

9. THE CONTRACTOR SHALL FURNISH APPROPRIATE AUTHORITY OR DEPT. WITH A SCHEDULE OF ANTICIPATED STARTING AND COMPLETION DATES FOR EACH SEQUENCE OF LAND DISTURBING ACTIVITY LISTED IN ITEMS FOUR THROUGH EIGHT ABOVE.

10. EROSION CONTROL DEVICES WILL BE IN PLACE BEFORE SITE DISTURBANCE AND WILL BE PERIODICALLY INSPECTED AND REPAIRED OR RESTORED AS NEEDED TO FUNCTION PROPERLY UNTIL PERMANENT MEASURES ARE ESTABLISHED AND PROJECT IS COMPLETE. I.E.: CONSTRUCTION EXITS AND SILT FENCES SHALL BE RETOPPED OR CLEANED AS SILT REDUCES THEIR EFFECTIVENESS.

11. ANY ADDITIONAL CONSTRUCTION OTHER THAN SHOWN ON THIS PLAN WILL REQUIRE SEPARATE AND ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND APPROVAL.

12. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDINGS.

13. ALL DISTURBED AREAS WILL BE PERMANENTLY LANDSCAPED AND GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.

14. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATION OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

15. ADDITIONAL MEASURES MAY BE REQUIRED TO CONTROL EROSION AS DETERMINED NECESSARY BY INSPECTORS.

16. CUT AND FILL SLOPES NOT TO EXCEED 2H:1V.

17. NOTIFY WATER & SEWER INSPECTOR PRIOR TO START OF CONSTRUCTION.

18. SEDIMENTATION & EROSION CONTROL MEASURES TO BE INSPECTED DAILY.

19. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLACE DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. PRACTICES WILL BE CHECKED DAILY.

20. THERE ARE NOT STATE WATERS LOCATED WITHIN 200 FEET OF THE PROJECT SITE.

21. THE PROJECT DOES NOT IMPACT/DISTURB STATE WATERS, OR STREAMS.

22. THE PROJECT DOES NOT IMPACT/DISTURB WETLAND AREAS.

23. ADJACENT PROPERTIES TO THE PROPOSED CONSTRUCTION SITE ARE COMPRISED OF PRIVATE AND COMMERCIAL PROPERTIES.

24. EXISTING LAND USE AT PROJECT SITE IS CONCRETE, ASPHALT, AND GRASS.

25. THE DISTURBED AREA FOR THE PROJECT IS 4.687 ACRES. SILT STORAGE REQUIRED IS 4.687 AC. TIMES 67 CY/AC = 314.029 CY. ESTIMATED INSTALLATION OF 1,655.340 LF OF NON-SENSITIVE TYPE "NS" X / 27 CF/CY = 61.31 CY OF SILT BASED ON A 5:1 SLOPE.

26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL MEASURES FOR THE ENTIRE LENGTH OF THE PROJECT AND SHALL ADD ADDITIONAL MEASURES AS NECESSARY TO PREVENT EROSION AND SEDIMENTATION RUN-OFF FROM THE DISTURBED AREAS.

27. CONSTRUCTION EXIT WIDTHS MAY BE MODIFIED TO FIT THE WIDTH OF THE LIMITS OF DISTURBANCE (LOD) FOR THIS PROJECT.

28. THE CONTRACTOR MUST COMPLY WITH NPDES GENERAL PERMIT NO. 100001 - EFFECTIVE AUGUST 1, 2023.

29. NARRATIVE POLLUTION PREVENTION PRACTICES:
THE FOLLOWING ARE POTENTIAL SOURCES OF STORM WATER POLLUTION EXPECTED TO BE PRESENT ON THE SITE AND AN EXPLANATION OF HOW THE POLLUTANTS WILL BE MINIMIZED IN THE STORM WATER DISCHARGES:RUNOFF FROM DISTURBED/UNDISTURBED AREAS TO BE MINIMIZED THROUGH THE INSTALLATION OF Sd1 SILT FENCE, Ds1 MULCH, Ds2 TEMPORARY SEEDING AND Ds3 PERMANENT VEGETATION.

30. "THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN 7 DAYS AFTER INSTALLATION." IN ACCORDANCE WITH PART I.V.A.5 PAGE 25 OF THE PERMIT.

31. AMMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
St	STORMDRAIN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Ss	SLOPE STABILIZATION		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORMWATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR100001.

SEAN A SHEPHERD
LEVEL II CERTIFICATION #0081589
EXPIRES 12/17/2024

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT UNDER MY SUPERVISION.

Signed _____ Date 01/26/2024

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR THE MONITORING OF: (A) ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES, OR (B) WHERE ANY SUCH SPECIFIC IDENTIFIED PERENNIAL OR INTERMITTENT STREAM AND OTHER WATER BODY IS NOT PROPOSED TO BE SAMPLED, I HAVE DETERMINED IN MY PROFESSIONAL JUDGMENT, UTILIZING THE FACTORS REQUIRED IN THE GENERAL NPDES PERMIT NO. GAR100001, THAT THE INCREASE IN THE TURBIDITY OF EACH SPECIFIC IDENTIFIED SAMPLED RECEIVING WATER WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATER.

SEAN A SHEPHERD
LEVEL II CERTIFICATION #0081589
EXPIRES 12/17/2024

I CERTIFY UNDER PENALTY OF LAW THAT THIS REPORT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Owner _____ Date _____

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE DATE
CONSTRUCTION DEVELOPMENT 1/29/2024

DRAWN BY: Author
CHECKED BY: Checker

JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

NOT FOR CONSTRUCTION

EROSION NOTES

C-405

Sheet X of X

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CMP SAMPLING METHODS & PROCEDURES
GENERAL PERMIT No. GAR 100001 – EFFECTIVE AUGUST 1, 2023

REPRESENTATIVE SAMPLING ON STAND ALONE CONSTRUCTION PROJECT

Receiving water samples and storm water discharge samples will be collected by "grab samples", as specified in Part IV.D.6 of the GAR 100001 permit. All "grab samples" will be collected using the following methods and procedures.

SAMPLING REQUIREMENTS:

SAMPLING FREQUENCY:
(1). The primary permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any storm water discharge to a monitored receiving water and/or from a monitored outfall location within forty-five (45) minutes or as soon as possible.

(2). However, where manual and automatic sampling are impossible (as defined in this permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the storm water discharge.

(3). Sampling by the permittee shall occur for the following qualifying events:

(a). For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a storm water discharge that occurs during normal business hours as defined in this permit. after all clearing and grubbing operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the representative sampling location;

(b). In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a storm water discharge that occurs during normal business hours as defined in this permit either 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the representative sampling location, whichever comes first;

(c). At the time of sampling performed pursuant to (a) and (b) above, if BMPs in any area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours* until the selected turbidity standard is attained, or until post-storm event inspections determine that BMPs are properly designed, installed and maintained;

(d). Where sampling pursuant to (a), (b) or (c) above is required but not possible (or not required because there was no discharge), the permittee, in accordance with Part IV.D.4.a.(6), must include a written justification in the inspection report of why sampling was not performed. Providing this justification does not relieve the permittee of any subsequent sampling obligations under (a), (b) or (c) above; and

(e). Existing construction activities, i.e., those that are occurring on or before the effective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.

*Note that the Permittee may choose to meet the requirements of (a) and above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allows for sampling at any time of the day or week.

INSPECTIONS:
(1). Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall inspect: (a) all areas at the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment and (b) all locations at the primary permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.

(2). Measure and record rainfall within disturbed areas of the site that have not met final stabilization once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday. The data collected for the purpose of compliance with this permit shall be representative of the monitored activity. Measurement of rainfall may be suspended if all areas of the site have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.

(3). Certified personnel (provided by the primary permittee) shall inspect the following at least once every fourteen (14) calendar days and within 24 hours of the end of a storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any Friday or on any nonworking Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first): (a) disturbed areas of the primary permittee's construction site ; {b) areas used by the primary permittee for storage of materials that are exposed to precipitation ; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the primary permittee's site shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4). These inspections must be conducted until a Notice of Termination is submitted.

INSPECTIONS CONTINUED:
(4). Certified personnel (provided by the primary permittee) shall inspect at least once per month during the term of this permit (i.e., until a Notice of Termination is submitted to EPD) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s). Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s).

(5). Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection.

(6). A report of each inspection that includes the name(s) of certified personnel making each inspection, the date(s) of each inspection, construction phase (i.e., initial, intermediate or final), major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(5). of the permit shall be made and retained at the site or be readily available at a designated alternate location until the entire site or that portion of a construction project that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall be readily available by end of the second business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. Where the report does not identify any incidents, the inspection report shall contain a statement that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. The report shall be signed in accordance with Part V.G.2. of this permit.

REPORTING
1. The applicable permittees are required to submit the sampling results to the EPD by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any stormwater discharge(s) or the receiving water(s) beyond the minimum frequency stated in this permit must be reported in a similar manner to the EPD. Sampling reports must be submitted to EPD using the electronic submittal service provided by EPD. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.

2. All sampling reports shall include the following information:

a. The rainfall amount, date, exact place and time of sampling or measurements;
b. The name(s) of the certified personnel who performed the sampling and measurements;
c. The date(s) analyses were performed;
d. The time(s) analyses were initiated;
e. The name(s) of the certified personnel who performed the analyses;
f. References and written procedures, when available, for the analytical techniques or methods used;
g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results;
h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and
i. Certification statement that sampling was conducted as per the Plan.

3. All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of this permit. The permittee shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI.

RETENTION OF RECORDS:
1. The primary permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI:

a. A copy of all Notices of Intent submitted to EPD;
b. A copy of the Erosion, Sedimentation and Pollution Control Plan required by this permit;
c. The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5. of this permit;
d. A copy of all sampling information, results, and reports required by this permit;
e. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit;
f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D.2. of this permit; and
g. Daily rainfall information collected in accordance with Part IV.D.4.a.(2). of this permit.

2. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plans, records of all data used to complete the Notice of Intent to be covered by this permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI of this permit. These records must be maintained at the permittee's primary place of business or at a designated alternative location once the construction activity has ceased at the permitted site. This period may be extended by request of the EPD at any time upon written notification to the permittee.

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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COMPREHENSIVE MONITORING PROGRAM
GENERAL NOTES

C-406

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DESCRIPTION OF ANALYTICAL METHODS TO BE USED TO COLLECT AND ANALYZE THE SAMPLES:

The method used to collect and analyze the water samples shall be in accordance with the following procedures:

- All samples shall be grab samples.
- Analysis of samples must be conducted in accordance with methodology and test procedures established by 40 CFR Part 136 (unless other test procedures have been approved), the guidance document titled "NPDES Storm Water Sampling Guidance Document, EPA 833-B-92-001" and guidance documents that may be prepared by the EPD.
- Sample containers should be labeled prior to collecting the samples.
- Samples should be well mixed before transferring to a secondary container.
- Large mouth, well cleaned and rinsed glass or plastic jars should be used for collecting samples. The jars should be cleaned thoroughly to avoid contamination.
- Manual or automatic sampling may be utilized. Samples required by this permit should be analyzed immediately, but in no case later than 48 hours after collection. However, samples from automatic samplers must be collected no later than the next business day after their accumulation, unless flow through automated analysis is utilized. Samples are not required to be cooled. Dilution of samples is not required. Samples may be analyzed directly with a properly calibrated turbidimeter.
- Sampling and analysis of the receiving water(s) or outfalls beyond the minimum frequency stated in the permit must be reported to EPD as specified in Part IV.E of the permit.
- The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first storm water discharge from the permitted activity but downstream of any other storm water discharges not associated with the permitted activity.
- The downstream sample for each receiving water(s) must be taken downstream of the confluence of the last storm water discharge from the permitted activity but upstream of any other storm water discharge not associated with the permitted activity.
- Samples should be taken from the horizontal and vertical center of the receiving water(s) or the storm water outfall channel(s).
- Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall storm water channel.
- The sampling container should be held so that the opening faces upstream.
- The samples should be kept free from floating debris.

Deviations from these methods and procedures shall be documented by the primary permittee.

Sampling must be done in such a way as to accurately reflect whether storm water runoff from the site is in compliance with the standard set forth in the permit.

Measurement of rainfall must be recorded daily (once each twenty-four hour period) at the site.

The primary permittee must sample all perennial and intermittent streams and other water bodies or all outfalls into such streams and other water bodies as indicated on the map referenced in the permit.

For STAND ALONE construction projects, monitoring obligations shall cease for any phase of the project that has been stabilized in accordance with Part IV.D.6.c.(1).(g).

NTU MATRIX VALUE

The proposed development has a surface water drainage area of X.XX sq.m which is between 0-4.99 square miles and a site size (4.687 ac.) between 1.00-10.00 acres. See table below. The NTU value selected is 75.

Waters Supporting Warm Water Fisheries

Surface Water Drainage Area, square miles

Site Size, acres	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	(75)	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

WATERSHED, SITE MONITORING LOCATIONS AND DRAINAGE AREA MAP

SCALE: 1" = 500'

SAMPLING POINTS:

For this project a single representative outfall will be sampled for the stand alone park construction in accordance with current NPDES General Permit No. GAR 100001.

The project is located in Meriwether County GA. approximately 1.5 miles north of the City of Greenville, more particularly along the southerly r/w of McLaughlin Road as indicated on the location map and plan sheets. There are (3) THREE outfall areas for this project and they have a combined total drainage area of 59.85 acres. The runoff from the project drains to an unnamed tributary of the Kennel Creek.

Drainage Basin (Ac)	Disturbed Area (Ac)	Monitoring Station location
"A" = 21.68 (0.03 SQ. MI.)	1.218	DETENTION POND #1 OUTFALL
"B" = 13.99 (0.02 SQ. MI.)	2.639	DETENTION POND #2 OUTFALL
"C" = 24.18 (0.04 SQ. MI.)	6.293	N/A

The aforementioned tributary is a continuously flowing stream. The (2) TWO sampling locations are representative for the project.

The sampling location for the disturbed drainage basin above shall be monitored concurrent with land disturbance/clearing. Sampling is required during construction and until all disturbed areas are stabilized. Permanent/Final Stabilization is defined as 100% cover with 70% density of the disturbed soil surface uniformly covered in permanent vegetation or equivalent permanent stabilization measures (such as the use of rip rap, gabions, permanent mulches or geotextiles) have been employed.

Note: The monitor shall be located at the outlet structure pipe as called out on this plan or as directed by the engineer and/or Georgia EPD. A total of (2) TWO monitors shall be installed for this project. The NTU value allowed for this project is 50 is determined from the Appendix B table.

SOIL MAP

SITE SPECIFIC SOIL SURVEY IS AVAILABLE UPON REQUEST

VICINITY MAP

RIP RAP OUTLET PROTECTION:

Outlet Protection - St		
Structure	A-07	A-09
Q [cfs]	11.71	3.75
Pipe [in.]	18	18
V [fps]	7.76	4.32
La [ft.]	12.0	9.0
W [ft.] (up)	4.5	4.5
W [ft.] (down)	13.5	10.5
d50 [in.]	6	6
Depth [in.]	12	12

based on 25-year storm event

GMC

Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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EROSION NOTES

C-407

Sheet X of X

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EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS
SWCD: OCONEE RIVER SWCD

Project Name: JACKSON CO AIRPORT NEW TERMINAL Address: 500 SKY HARBOR WAY, JEFFERSON, GA 30549

Local Issuing Authority: JACKSON Date on Plans: 1/29/2024

Name & Email of person filling out checklist: SEAN SHEPHERD, SEAN.SHEPHERD@GMCNETWORK.COM

Plan Page #	Included Y/N		TO BE SHOWN ON ES&PC PLAN
C-406	Y	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
C-405	Y	2	Level II certification number issued by the Commission, signature and seal of the certified design professional.
C-405	N/A	3	Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter. *
C-405	Y	4	The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
C-405	Y	5	Provide the name, address, email address, and phone number of primary permittee.
C-405	Y	6	Note total and disturbed acreages of the project or phase under construction.
C-401	Y	7	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C-401	Y	8	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C-405	Y	9	Description of the nature of construction activity and existing site conditions.
		10	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
N/A	N/A	11	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C-405	Y	12	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 19** of the permit.
C-405	Y	13	Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 19** of the permit. *
C-405	Y	14	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with **Part IV.A.5 page 25** of the permit. *
N/A	N/A	15	Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
N/A	N/A	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C-405	Y	17	Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
C-405	Y	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
C-405	Y	19	Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
C-405	Y	20	Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
C-405	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A	N/A	22	Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
N/A	N/A	23	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
C-405	Y	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
C-405	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
C-405	Y	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
C-405	Y	27	Description of practices to provide cover for building materials and building products on site. *
C-405	Y	28	Description of the practices that will be used to reduce the pollutants in storm water discharges. *
N/A	N/A	29	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
C-406	Y	30	Provide complete requirements of Inspections and record keeping by the primary permittee. *
C-406	Y	31	Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
C-406	Y	32	Provide complete details for Retention of Records as per Part IV.F. of the permit. *
C-407	Y	33	Description of analytical methods to be used to collect and analyze the samples from each location. *
C-407	Y	34	Appendix B rationale for NTU values at all outfall sampling points where applicable. *
C-407	Y	35	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. *
C-401	Y	36	A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *
C-401	Y	37	Graphic scale and North arrow.
C-401	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2,5 or 10

N/A	N/A	39	Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
N/A	N/A	40	Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
N/A	N/A	41	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	N/A	42	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
		43	Delineation and acreage of contributing drainage basins on the project site.
		44	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *
		45	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
		46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C-407	Y	47	Soil series for the project site and their delineation.
C-401	Y	48	The limits of disturbance for each phase of construction.
C-405	Y	49	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
C-405	Y	50	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
C-404	Y	51	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
C-404	Y	52	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.

Effective January 1, 2024

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Goodwyn Mills Cawood, LLC
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Atlanta, GA 30339
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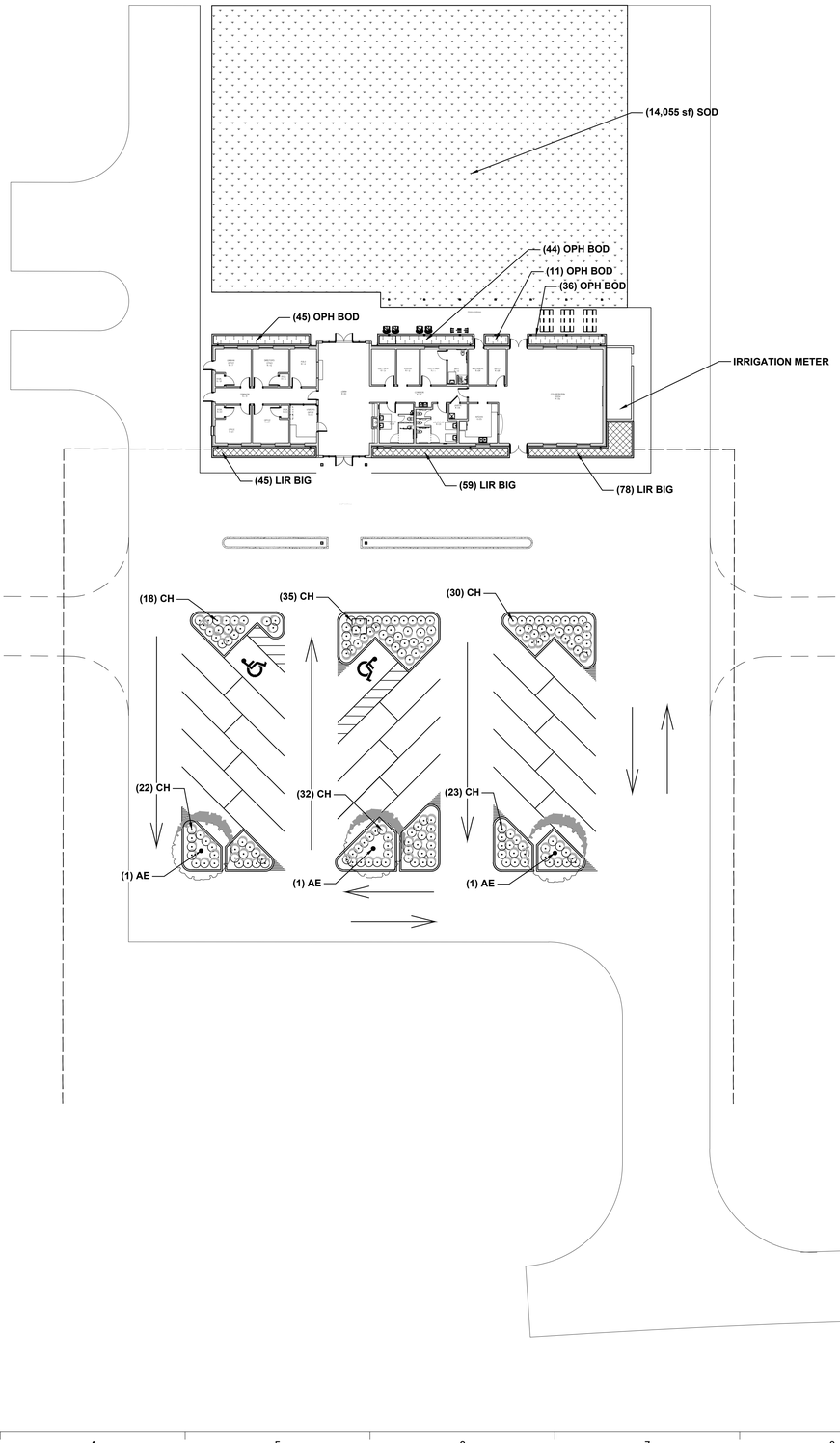
EROSION CHECKLIST

C-408

sheet X of X

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1



PLANT SCHEDULE PLANTING PLAN				
CODE	QTY	BOTANICAL / COMMON NAME	CAL. / HT.	
TREES				
AE	3	ULMUS PARVIFOLIA 'ALLEE' ALLEE® LACEBARK ELM	2.0" CAL.	
CODE	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING
SHRUBS				
CH	160	ILEX CORNUTA 'CARISSA' CARISSA CHINESE HOLLY	3 GAL	30" o.c.
CODE	QTY	BOTANICAL / COMMON NAME	TYPE	SPACING
GROUND COVERS				
SOD	14,055 SF	CYNODON DACTYLON DOG TUFF BERMUDAGRASS	SEED	
LIR BIG	182	LIRIOPE MUSCARI 'BIG BLUE' BIG BLUE LILYTURF	1 GAL	18" o.c.
OPH BOD	136	OPHIOPOGON BODINIERI MONDO GRASS	1 GAL	18" o.c.

PLANTING REQUIREMENTS:

PROPOSED PARKING SPACES:	29
TREES REQUIRED:	3 (1 TREE FOR 10 PARKING SPACES)
TREES PROVIDED:	3
REQUIREMENTS MET:	YES

NORTH

0' 10' 20' 40'

SCALE: 1 IN = 10 FT

GMC
6120 Powers Ferry Road NW, Suite 350
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE	DATE
Final CD Submission	2024.01.29

DRAWN BY: AP
CHECKED BY: MM

Jackson County Airport Terminal
Jackson County, GA

GMC Project #: AATL230012

GEORGIA REGISTERED LANDSCAPE ARCHITECT MATTHEW MITCHELL

PLANTING PLAN

L1.01

DRAWING FILE X:\Atlfs\Parker\Jackson County Airport Terminal\LATL2300XX - HARDSCAPE.dwg
PLOTTED: Jan 29, 2024 - 4:56pm

IRRIGATION PERFORMANCE NOTES

A. GENERAL

1. THE LANDSCAPE PLANS SHALL SERVE AS THE LIMITS OF IRRIGATION. THEY DO NOT REFLECT OR DEPICT THE IRRIGATION DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR THE IRRIGATION DESIGN SO IT MEETS THE REQUIREMENTS OF THE FOLLOWING STANDARDS.
2. PROVIDE AND COMPLETE AN OPERABLE SYSTEM FOR THE IRRIGATION OF ALL LANDSCAPED AREAS ON THE PROJECT SITE, UNLESS INDICATED OTHERWISE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING HEAD LOCATION, HEAD/NOZZLE TYPE AND SIZE, AND ANY OTHER SYSTEM COMPONENTS SO THAT IRRIGATION SYSTEM LAYOUT IS COORDINATED WITH ACTUAL FIELD CONDITIONS, SUCH ADJUSTMENTS SHALL BE COMPENSATED FOR AT AN AGREED COST.
4. CONTRACTORS SHALL PROVIDE WITH THE BID A SAMPLE DESIGN INDICATING THE SCHEMATIC LOCATION OF EACH ZONE, THE QUANTITY AND TYPE OF SPRINKLERS TO BE USED.
5. CONTRACTORS SHALL SPECIFY WITH THE BID THE MANUFACTURERS OF THE CONTROLLER, VALVES, AND SPRINKLERS.
6. COMPLY WITH ALL CODES, ORDINANCES AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
7. OBTAIN ALL REQUIRED PERMITS AND PAY ALL REQUIRED FEES, AT NO ADDITIONAL COST TO THE OWNER, PENALTIES IMPOSED DUE TO FAILURE TO OBTAIN PERMITS OR PAY FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
8. ALL WORK SHALL BE WARRANTED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR AGAINST DEFECTS IN MATERIAL, EQUIPMENT, WORKMANSHIP AND ANY REPAIRS RESULTING FROM LEAKS OR OTHER DEFECTS OF WORKMANSHIP, MATERIALS OR EQUIPMENT.
9. SUBMIT SHOP DRAWINGS SHOWING IRRIGATIONS SYSTEM, INCLUDING PLAN LAYOUT AND LOCATIONS, TYPES, SIZES, CAPACITIES, AND FLOW CHARACTERISTICS OF IRRIGATION SYSTEM COMPONENTS.
10. SUBMIT "AS-BUILT" DRAWING AT COMPLETION OF WORK SHOWING LOCATIONS OF ALL VALVES, HOSE BIBS AND WIRE SPLICES, WITH ACTUAL TRIANGULATED DIMENSIONS, AS WELL AS ANY DEVIATIONS ON LOCATION OF PIPING.
11. LOCATE AND VERIFY ALL UTILITY LOCATIONS ON AND AROUND THE SITE PRIOR RO WORK. MAINTAIN EXISTING UTILITIES AND PROTECT THEM AGAINST DAMAGE DURING THE WORK.
12. CONTRACTOR SHALL MAKE ANY NECESSARY ADJUSTMENTS IN THE PROPOSED IRRIGATION SYSTEM TO AVOID DAMAGE TO EXISTING STRUCTURES, PAVING AND UTILITIES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING STRUCTURES, PAVING, UTILITIES AND / OR OTHER CONSTRUCTION RESULTING FROM IRRIGATION CONSTRUCTION.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND LABOR TO FULLY EXECUTE AND GUARANTEE THE WORK AS REQUIRED. THE LIMITS OF WORK SHOWN ON THESE DRAWINGS SHALL BE IRRIGATED IN ACCORDANCE WITH THE SPECIFICATIONS AND PER THE DIRECTION TO THE OWNER OR LANDSCAPE ARCHITECT.
15. ALL ADJUSTMENTS TO THE WORK SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER OR THE LANDSCAPE ARCHITECT.
16. IRRIGATION CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING THE LANDSCAPE CONTRACTOR AND COORDINATING THE LAYOUT OF THE IRRIGATION SYSTEM WITH THE LANDSCAPE BED LINES PRIOR TO INSTALLATION.
17. INSTALL BACKFLOW PREVENTER BELOW GRADE MEETING REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION UNLESS OTHERWISE REQUIRED BY JURISDICTION.
18. LOCATE ALL IRRIGATION PIPING IN SUCH A WAY AS TO CAUSE THE LEAST CONFLICT WITH THE LOCATION OF PLANT MATERIALS AND OTHER SITE IMPROVEMENTS.
19. MAIN LINE PIPING SHALL BE INSTALLED A MAXIMUM OF TWO (2) FEET FROM THE BACK OF CURB. LATERAL LINE PIPING SHALL BE INSTALLED SIMILARLY WHERE POSSIBLE.
20. ALL VALVE BOXES SHALL BE LOCATED IN PLANT BEDS OR NATURAL AREAS. EXCEPTION WILL BE ALLOWED IF NO SUCH AREA IS WITHIN A 40-FOOT RADIUS OF THE DESIGNATED CONTROL VALVE LOCATION. NO MORE THAN TWO VALVE BOXES ARE TO BE LOCATED IN ONE SPECIFIC AREA.
21. ALL SWING JOINTS SHALL BE OF RIGID ELBOW TYPE CONSTRUCTION. FLEX PIPE AND PHUNNY PIPE IS NOT ACCEPTABLE.
22. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE OWNER ON THE ELECTRICAL REQUIREMENTS AND LOCATION THEREOF FOR THE IRRIGATION CONTROL CLOCK. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS FROM THE I20 VAC SERVICE PROVIDED TO THE CONTROL CLOCK AND THE 24 VOLT FIELD WIRING TO THE CONTROL CLOCK.
23. THE LOCATION OF THE CONTROL CLOCK SHALL BE COORDINATED WITH THE OWNER.
24. THE CONTRACTOR SHALL ADJUST THE RADIUS AND ARC OF EACH SPRINKLER TO MINIMIZE "OVER THROW" AND TO ELIMINATE "DRY SPOTS".
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ADDITIONAL HEADS NEEDED TO COVER "DRY SPOTS". THE LOCATION AND ARRANGEMENT OF THESE HEADS SHALL BE SUBJECT TO APPROVAL OF THE OWNER OR LANDSCAPE ARCHITECT.

B. SLEEVING

1. IRRIGATION SLEEVING SHALL BE PROVIDED AND INSTALLED BY THE IRRIGATION CONTRACTOR
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, OR OTHER CONSTRUCTION RESULTING FROM INSTALLATION OF SLEEVES.
3. ANY MODIFICATIONS TO THE SLEEVING IS SUBJECT TO THE APPROVAL OF THE OWNER OR THE LANDSCAPE ARCHITECT.
4. ALL SLEEVES SHALL BE CLASS I60 SOLVENT WELD PVC PIPE OR SCHEDULE 80 PVC PIPE, AS PER THE SPECIFICATIONS.
5. SLEEVES SHALL BE STRAIGHT, LEVEL, AND THE SHORTEST LENGTH POSSIBLE. THE CONTRACTOR SHALL MAKE ANY ADJUSTMENT NECESSARY TO ACCOMMODATE EXISTING VEGETATION, UTILITIES, OR OTHER MAJOR CONSTRUCTION.
6. THERE SHALL BE NO TURNS OR BENDS IN THE SLEEVES.
7. BACKFILL MATERIAL PLACED AROUND THE SLEEVES SHALL BE FREE OF ROCKS OR OTHER FOREIGN MATTER THAT MAY CAUSE DAMAGE TO THE PIPE. TRENCH BACKFILL SHALL BE THOROUGHLY COMPACTED SUCH THAT NO SETTLEMENT OF FINISHED GRADE OCCURS.
8. SLEEVES SHALL BE INSTALLED AT A DEPTH OF AT LEAST 24 INCHES BELOW PAVEMENT SURFACE, AND NO DEEPER THAN 36 INCHES. END OF THE SLEEVE SHALL EXTEND 18 INCHES BEYOND CURB OR PAVEMENT EDGE (SEE DETAIL).
9. THE CONTRACTOR SHALL INSTALL A VERTICAL STUB THAT IS AT LEAST 18 INCHES ABOVE GRADE AT EACH END OF THE SLEEVE TO MARK ITS EXACT LOCATION.
10. ONCE THE SLEEVING IS INSTALLED, THE CONTRACTOR SHALL INSTALL A TEMPORARY CAP ON EACH END OF THE SLEEVE TO MARK ITS EXACT LOCATION.
11. THE CONTRACTORS SHALL LOCATE AND UNCOVER THE ENDS OF ALL SLEEVES.

C. SYSTEM PERFORMANCE REQUIREMENTS

1. IRRIGATION ZONE CONTROLS SHALL BE AUTOMATIC OPERATION WITH CONTROLLER AND AUTOMATIC CONTROL VALVES.
2. GENERAL IRRIGATION COVERAGE IS NOT ACCEPTABLE.
3. ALL TURF, SHRUB / GROUNDCOVER BEDS AND SEASONAL COLOR BEDS SHALL BE IRRIGATED AND CONTROLLED BY SEPARATE ZONES.
4. MINIMUM WATER COVERAGE NOT LESS THAN"
   a. TURF AREAS: 100 PERCENT
   b. OTHER PLANTIN AREAS: 70 PERCENT
5. COMPONENTS AND INSTALLATION: CAPABLE OF PRODUCING PIPING SYSTEMS WITH THE FOLLOWING MINIMUM WORKING PRESSURE RATINGS:
   a. PRESSURE PIPING: 200 PSIG
   b. CIRCUIT AND DRAIN PIPING: 150 PSIG
   c. DRAIN PIPING: 100 PSIG
6.

PLANTING SOIL & PREPARATION NOTES

1. CONTRACTOR SHALL CONDUCT & SUBMIT TO THE LANDSCAPE ARCHITECT AN ANALYSIS OF A MINIMUM OF (3) SAMPLES OF EXISTING SOIL FROM AREAS TO BE PLANTED . THE ANALYSIS SHALL BE DONE BY A SOIL TESTING LAB APPROVED BY THE LANDSCAPE ARCHITECT IN ADVANCE AND SHALL INCLUDE THE FOLLOWING RESULTS WITH RECOMMENDATIONS:
   A. S1A - ORGANIC MATTER, AVAILABLE PHOSPHORUS, EXCHANGEABLE POTASSIUM, MAGNESIUM, CALCIUM, SOIL pH, CATION EXCHANGE CAPACITY, PERCENT BASE SATURATION OF CATION ELEMENTS.
   B. S3 - SULFUR, ZINC, MANGANESE, IRON, COPPER, BORON
   C. TEXTURE ANALYSIS
2. TOPSOIL (& PLANTING SOIL WHEN DIFFERENT) SHALL BE PROVIDED MIXED AND READY FOR INSTALLATION. TOPSOIL SHALL MEET THE FOLLOWING CRITERIA & STRIPPED/STOCKPILED TOPSOIL MAY BE USED IF IT CAN REASOANBLY BE BROUGHT UP TO THESE CRITERIA.
   A. FERTILE, FRIABLE, NATURALLY OCCURRING, FREE OF TRASH, ROCKS/STONES, & DEBRIS LARGER THAN 2 INCHES IN ANY DIMENSION
   B. FREE OF ANY GRASSES, WEEDS, SEEDS, PLANTS, & ANY SUBSTANCE HARMFUL TO PLANT GROWTH.
   C. pH RANGE OF 5.0-7.0
   D. ORGANIC MATTER: 5-10%
   E. SAND: 50-70%, SILT: LESS THAN 30%, CLAY: 10-25%
   F. PERMEABILITY RATE OF 5X10 (-3) CENTIMETERS OR GREATER AT 85% COMPACTION.
3. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE THE LOCATION OF STOCKPILE AREAS FOR STRIPPED TOPSOIL AND PLANTING SOIL PRODUCTS. CONTRACTOR SHALL ENSURE AREA IS PROTECTED FROM CONTAMINATION & DISTURBANCE
4. FINAL GRADES DEPICTED ON THE GRADING PLAN (REFER TO CIVIL DRAWINGS) ARE TO ACCOUNT FOR PLANTING SOIL DEPTHS INDICATED IN THE LANDSCAPE DRAWINGS/DETAILS. CONTRACTOR SHALL ENSURE SUBGRADE IS SCARIFIED PRIOR TO INSTALLING PLANTING SOIL.
5. FINAL FINISHED GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL TOPSOIL REQUIRED TO CREATE A SMOOTH CONDITION SUITABLE FOR PLANTING.
6. ALL TRASH, DEBRIS LARGER THAN 2 INCHES IN DIAMETER IN ANY DIRECTION, ROCK, COBBLE, EXCAVATION SPOILS, & GRAVEL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE PRIOR TO THE INSTALLATION OF TOPSOIL/PLANTING SOIL.
7. COORDINATE INSTALLATION OF TOPSOIL/PLANTING SOIL WITH OTHER WORK. PLACEMENT SHALL OCCUR AFTER INSTALLATION OF HARDSCAPE IMPROVEMENTS, IRRIGATION SYSTEMS, UTILITIES, ETC. AND BEFORE PLANT INSTALLATION.
8. PRIOR TO PLANT INSTALLATION, PLANT BEDS AND PITS SHALL BE TESTED FOR PERCOLATION BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER. TEST SHALL CONSIST OF 1 FT DIAMETER BY 1 FT DEEP MIN HOLE, OR THE PLANTING PIT, FILLED WITH WATER. IF WATER HAS NOT DISSIPATED BY 50% WITHIN 2 HOURS, NOTIFY THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO INSTALLATION. IN HARDPAN CONDITIONS, INSTALL DRAIN PIPES AS PER PLANTING DETAILS.

PLANT INSTALLATION NOTES

1. PLANT NAMES MAY BE ABBREVIATED ON DRAWINGS. REFER TO PLANT SCHEDULE FOR ABBREVIATIONS, BOTANICAL & COMMON NAMES, SIZES, ESTIMATED QUANTITIES AND OTHER REMARKS.
2. CONTRACTOR SHALL VERIFY THE TOTAL QUANTITIES INDICATED IN THE PLANT LIST WITH THE QUANTITIES SHOWN ON THE PLAN. CONTRACTOR SHALL PROVIDE QUANTITIES REQUIRED TO COMPLETE PROPOSED PLANTING AS INDICATED ON THE PLAN.
3. CONTRACTOR SHALL GIVE THE LANDSCAPE ARCHITECT THE OPPORTUNITY TO TAG & REVIEW TREES IN THE NURSERY OR FIELD PRIOR TO DIGGING.
4. ALL PLANT/ROOTBALL SIZES & THE METHOD OF DETERMINING TREE CALIPER SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST EDITION OF ANSI Z60.1 - AMERICAN STANDARD FOR NURSERY STOCK.
5. ANY & ALL PLANT SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PURCHASE & INSTALLATION.
6. THE LANDSCAPE ARCHITECT MAY REJECT ANY PLANT AT ANY TIME UNTIL THE END OF THE WARRANTY PERIOD. PLANTS THAT RECEIVED A PRIOR APPROVAL ARE NOT EXCLUDED FROM REJECTION AT A LATER DATE. GROUNDS FOR REJECTION INCLUDE BUT ARE NOT LIMITED TO:
   A. NON-CONFORMANCE WITH CRITERIA DESCRIBED IN PLANT SCHEDULE.
   B. THE PRESENCE, EVIDENCE, OR DAMAGE FROM DISEASE, INSECTS/PESTS, EGGS, & LARVAE.
   C. GIRDLED & KINKED ROOTS, CRACKED/BROKEN ROOT BALLS, MECHANICALLY DAMAGED ROOTS.
   D. BROKEN LIMBS, INCLUDED BARK, OR EVIDENCE OF MECHANICAL INJURY.
   E. PLANTS THAT ARE NOT FULL/DENSE, WELL BRANCHED, OR SYMMETRICAL UNLESS IT IS UNCHARACTERISTIC OF SPECIFIED SPECIES.
   F. PLANTS DETERMINED AT THE DISCRETION OF THE LANDSCAPE ARCHITECT TO BE AESTHETICALLY DEAD WHERE APPROXIMATELY 25% OR MORE OF THE PLANT IS SHOWING SIGNS OF DEATH/DIEBACK.
   G. SHIPMENT TO THE SITE IN UNCOVERED VEHICLES/TRAILERS REGARDLESS OF SEASON.

5. REMOVE FROM SITE ANY & ALL EXISTING VEGETATION INCLUDING STUMPS & ROOTS IN CONFLICT WITH PLANTING PLAN UNLESS EXPLICITLY DESIGNATED FOR PROTECTION.

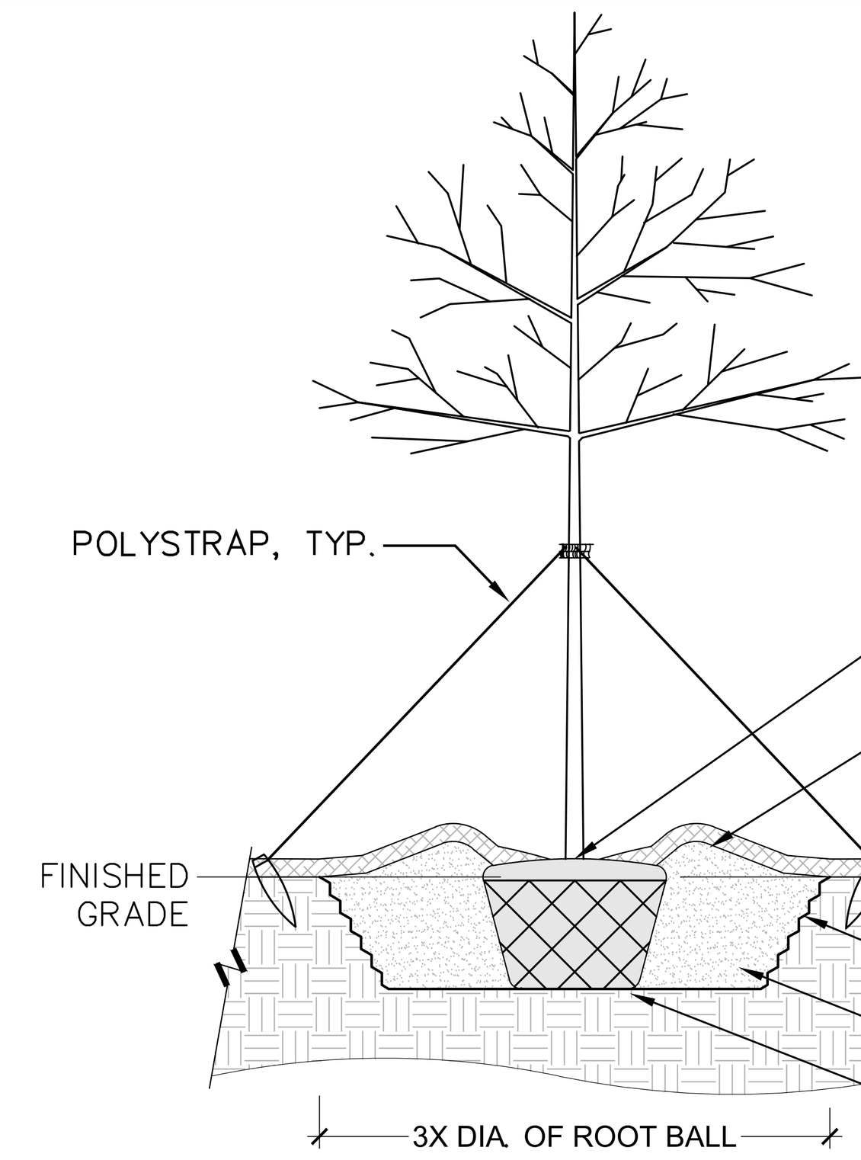
6. LAYOUT ALL TREES & BED-LINES AS INDICATED IN THE LANDSCAPE DRAWINGS AND RECEIVE APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. LAYOUT SHALL BE DONE WITH HIGH VISIBILITY FLAGS AND/OR WOODEN STAKES & BED-LINES SHALL BE LAID OUT WITH MARKING PAINT. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE LAYOUT ADJUSTMENTS AS NECESSARY AT NO ADDITIONAL COST TO OWNER . NOTIFY LANDSCAPE ARCHITECT OF CONTEMPLATED ADJUSTMENTS TO THE LAYOUT & RECEIVE APPROVAL PRIOR TO COMMENCING WITH ADJUSTMENT.

7. DO NOT INSTALL PLANTS IN SATURATED OR FROZEN CONDITIONS. DO NOT INSTALL PLANTS DURING INCLEMENT WEATHER.

8. SET ALL PLANTS PLUMB & TURNED SO THAT THE MOST ATTRACTIVE SIDE IS MOST COMMONLY VIEWED. MAINTAIN IN PLUMB POSITION THROUGHOUT WARRANTY PERIOD.

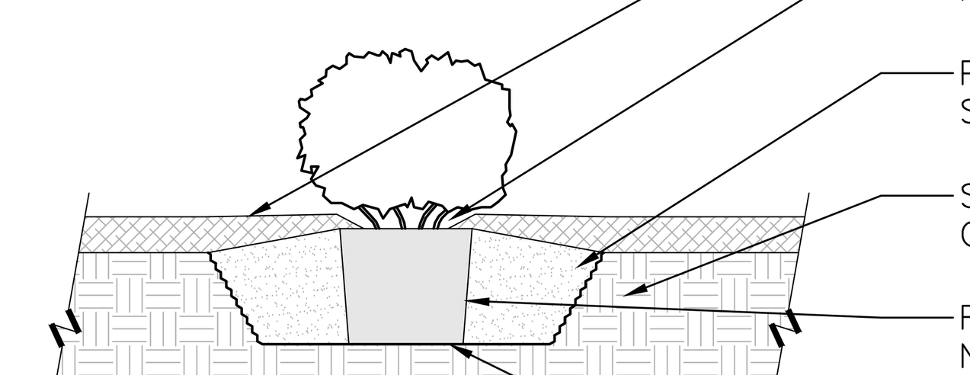
9. ALL PLANTING BEDS AND TREES SHALL BE MULCHED WITH 3-4 IN. OF SETTLED PINE STRAW THAT IS FREE FROM DEBRIS, LEAVES, TWIGS, INSECTS, GRASSES, WEEDS, PLANTS AND THEIR SEEDS, AND ANY SUBSTANCE HARMFUL TO PLANT GROWTH. PINE STRAW MULCH SHALL BE TUCKED & ROLLED AT ALL EDGES.
   A. TREES PLACED IN SODDED/TURFGRASS AREAS SHALL BE MULCHED WITH AN 8 FT. DIAMETER MULCH RING UNLESS OTHERWISE NOTED ON PLANS.

10. CONTRACTOR TO PROVIDE INTERIM MAINTENANCE UNTIL SUBSTANTIAL COMPLETION NOTICE IS PROVIDED BY THE LANDSCAPE ARCHITECT. THIS INCLUDES:
   A. WATERING
   B. MOWING, TRIMMING, EDGING, BLOWING & WEEDING.
   C. FERTILIZING & APPLICATION OF NECESSARY INSECTICIDES/HERBICIDES
   D. GUYING TREES WHEN DIRECTED BY OWNER OR LANDSCAPE ARCHITECT.
   E. ADEQUATE DRAINAGE OF PONDING AREAS.
   F. GENERAL LANDSCAPE CLEAN-UP.

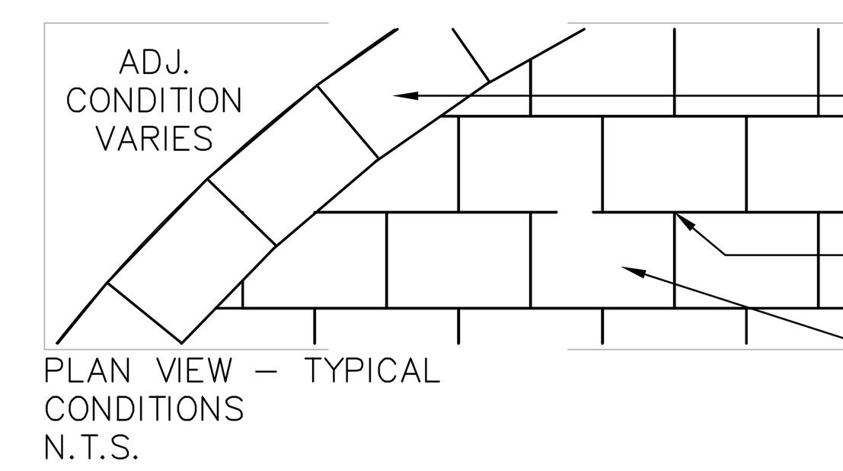


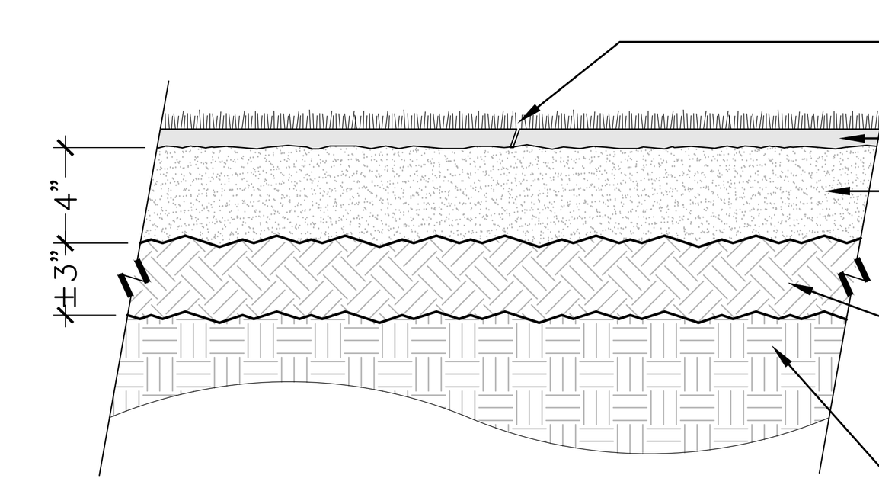
NOTES:
1. REMOVE ALL NON–BIODEGRADABLE ROOT BALL PACKAGING.
2. REMOVE BURLAP AND STRAPS FROM TOP 1/3 OF ROOT BALL. REMOVE OR BEND TOP 1/3 OF WIRE BASKET DOWN INTO SOIL.
3. TREES POSITIONED IN LAWNS TO HAVE MULCH RING, 8 FT DIA.
4. IMMEDIATELY SOAK TREE PIT WITH WATER AND REMOVE ANY AIR POCKETS THAT MAY HAVE OCCURRED DURING BACKFILLING.

1 TREE PLANTING
3/8" = 1'-0"



2 SHRUB PLANTING
3/4" = 1'-0"





3 SOD INSTALLATION
1 1/2" = 1'-0"

GMC

6120 Powers Ferry Road NW, Suite 350
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE	DATE
Final CD Submission	2024.01.29

DRAWN BY: AP
CHECKED BY: MM

Jackson County Airport Terminal
Jackson County, GA

GMC Project #: AATL230012

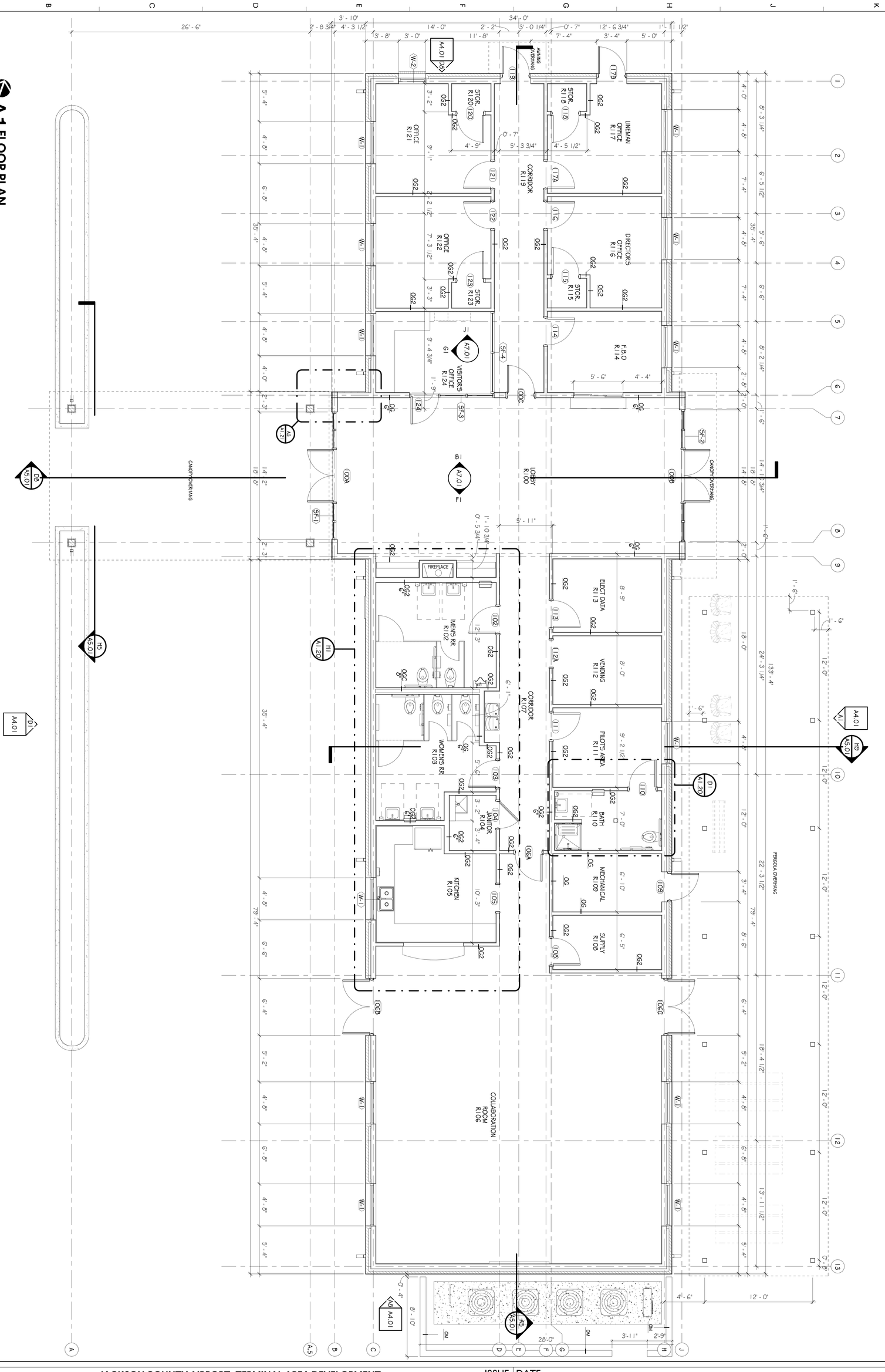
LANDSCAPE DETAILS

L2.01

TRUE NORTH

A1 FLOOR PLAN

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



FLOOR PLAN

JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT

500 Sky Harbor Way, Jefferson, GA

ISSUE	DATE
CONSTRUCTION DOCUMENTS	1/29/24

DRAWN BY: KP

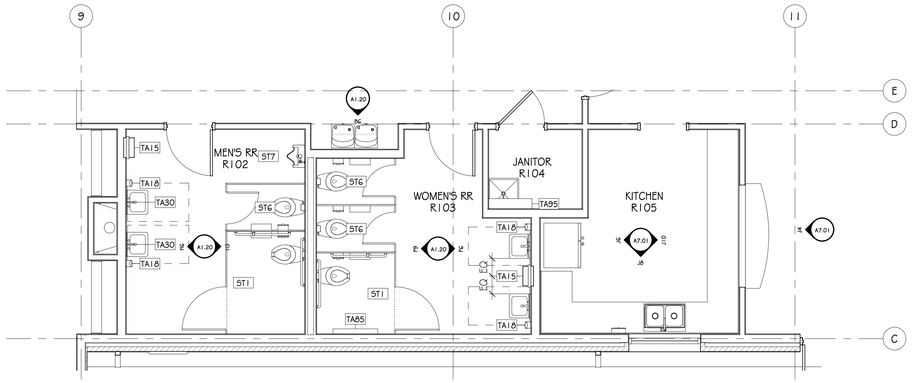
CHECKED BY: MN

A1.01

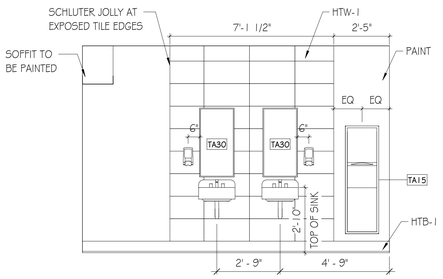
GMC # AATL230012

Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

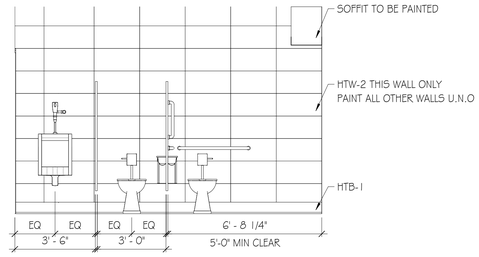
GMC



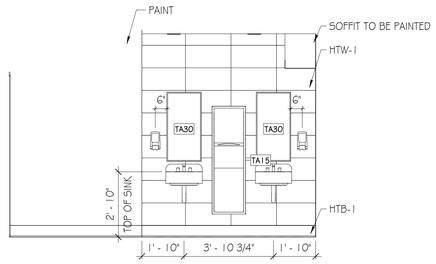
H1 ENLARGED FLOOR PLAN - R102/R103 & R105
SCALE: 1/4" = 1'-0"



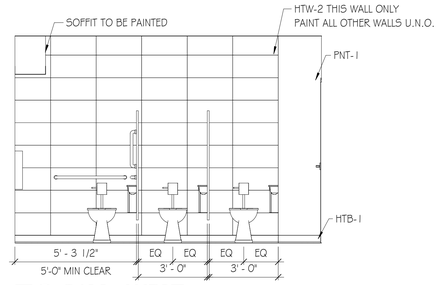
H6 R102 - WEST
SCALE: 3/8" = 1'-0"



H9 R102 - EAST
SCALE: 3/8" = 1'-0"



F6 R103 - EAST
SCALE: 3/8" = 1'-0"



F9 R103 - WEST
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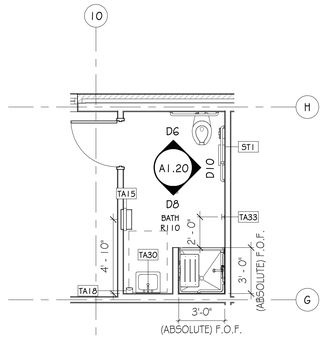
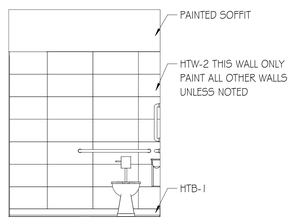
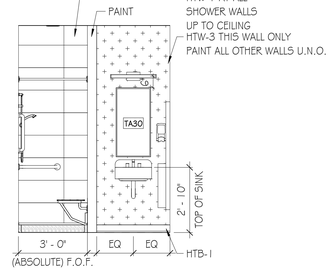


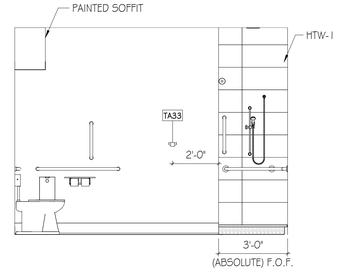
D1 ENLARGED FLOOR PLAN - R110
SCALE: 1/4" = 1'-0"



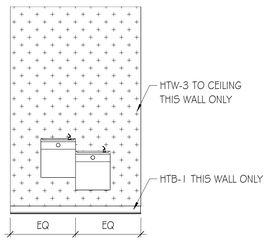
D6 R110 - NORTH
SCALE: 3/8" = 1'-0"



D8 R110 - SOUTH
SCALE: 3/8" = 1'-0"



D10 R110 - WEST
SCALE: 3/8" = 1'-0"



B6 WATERCOOLER - SOUTH
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE

TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	CFCI
TA03	PAPER TOWEL DISPENSER (FOLDED, HIGH-CAPACITY)	CFCI
TA15	COMBO TOWEL DISPENSER/WASTE RECEPTACLE (SEMI-RECESSED, AUTOMATIC DISPENSER)	CFCI
TA18	STERIS SDS SOAP DISPENSER, SURFACE-MOUNT, MANUAL (LIQUID TYPE)	CFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA27	GRAB BAR - TWO-WALL 18X30 INCHES	CFCI
TA30	MIRROR, CHANNEL FRAMED WITHOUT SHELF (18 x 36 INCHES)	CFCI
TA33	ROBE HOOK (ADA FRONT APPROACH)	CFCI
TA36	SANITARY NAPKIN DISPOSAL - SURF-MT, BOTTOM HINGED	CFCI
TA40	SHOWER ROD - EXTRA HEAVY DUTY, STRAIGHT	CFCI
TA44	SHOWER SEAT - FOLDING, RECTANGULAR	CFCI
TA85	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI

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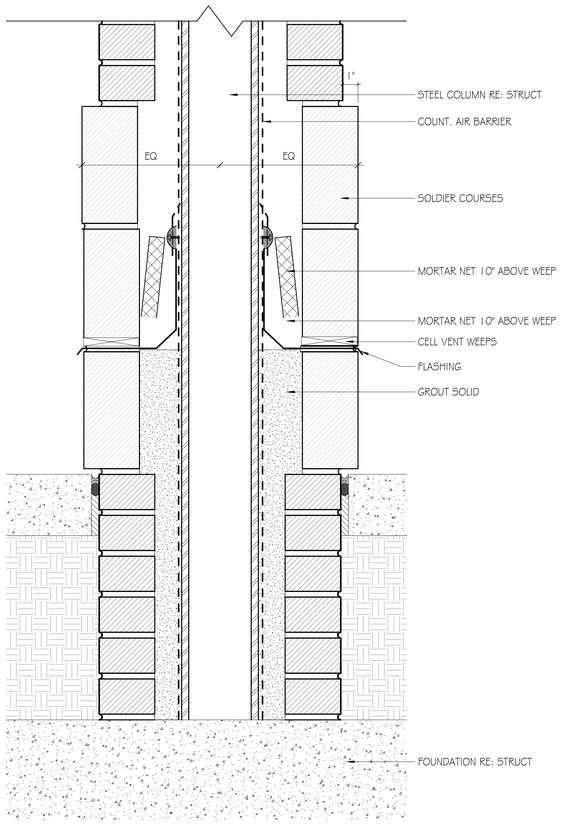
JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

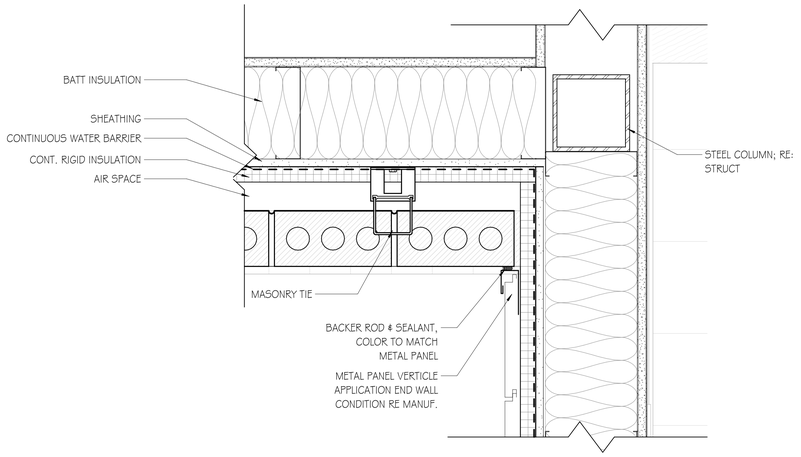
ENLARGED PLANS - RESTROOMS

A1.20

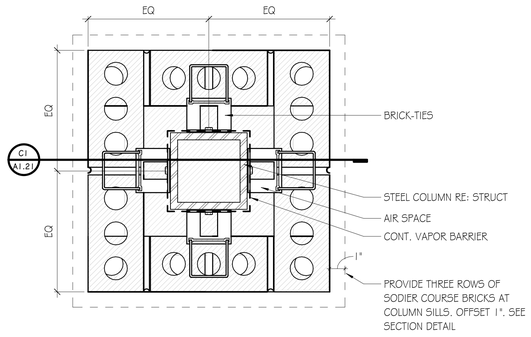
1/30/2024 8:23:10 AM TEMPLATE VERSION: 2022.1



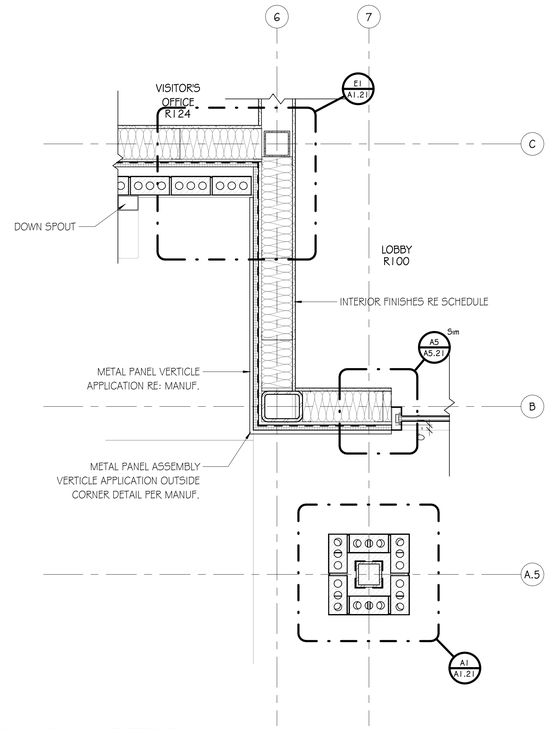
C1 SECTION - ARCHITECTURAL COLUMN SILL
SCALE: 3" = 1'-0"



E1 ENLARGED DETAIL - MATERIAL TRANSITION
SCALE: 3" = 1'-0"



A1 ENLARGED DEYAIL - ARCHITECTURAL COLUMN
SCALE: 3" = 1'-0"



A3 PLAN DETAIL
SCALE: 1" = 1'-0"

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PLAN & ARCH COLUMN DETAILS

A1.21

1/30/2024 8:23:11 AM TEMPLATE VERSION: 2022.1

CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG STYLE: CALLA HEALTH ZONE AIRASSURE COLOR: WHITE SIZE: 24" X 24" X THK" SUSPENSION SYSTEM: SQUARE TEGULAR 9/16"
ACT-2	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG STYLE: CALLA COLOR: WHITE SIZE: 24" X 24" X THK" SUSPENSION SYSTEM: SQUARE TEGULAR 9/16"
ACT-3	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG STYLE: KITCHEN ZONE COLOR: WHITE SIZE: 24" X 24" X THK" SUSPENSION SYSTEM: SQUARE LAY-IN 15/16"
ACT-4	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG STYLE: METALWORKS TORSION SPRING M I COLOR: TBD SIZE: 2' X 4' SUSPENSION SYSTEM: SQUARE 15/16"
GYP-1	GYP BOARD CEILING	PAINTED GYP BOARD CEILING COLOR: PNT-3 (U.N.O. ON RCP)
MGB-1	MOISTURE RESISTANT GYP BOARD CEILING	PAINTED GYP BOARD CEILING - MOISTURE RESISTANT COLOR: PNT-3 (U.N.O. ON RCP)
EXP-1	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH NO FINISH

GENERAL NOTES - REFLECTED CEILING PLAN

1. CEILING HEIGHTS SHALL BE AS NOTED ON REFLECTED CEILING PLANS.
2. WHEREVER POSSIBLE NO CEILING TILE SHOULD BE LESS THAN 6" IN ANY DIRECTION.
3. SEE ELECTRICAL FOR ALL LIGHT FIXTURE TYPES AND SIZES.
4. SEE MECHANICAL FOR ALL DIFFUSER TYPES AND SIZES.
5. SEE INTERIOR ELEVATIONS FOR WALL MOUNTED LIGHT FIXTURE HEIGHT AND LOCATIONS.
6. COORDINATE LOCATIONS OF ALL LIGHTS, DIFFUSERS, AND DEVICES BETWEEN THIS RCP AND MECHANICAL, FIRE PROTECTION, AND ELECTRICAL. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND BEFORE PROCEEDING.
7. WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER FIXTURE OVER DOOR BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE.
8. ALL SPRINKLER HEADS IN ACOUSTIC CEILINGS SHALL BE CENTERED IN CEILING TILE.
9. ALL BULKHEADS TO BE 4" BELOW ADJACENT ACT CEILING UNLESS NOTED OTHERWISE.

REFLECTED CEILING PLAN LEGEND

CEILING FINISHES:

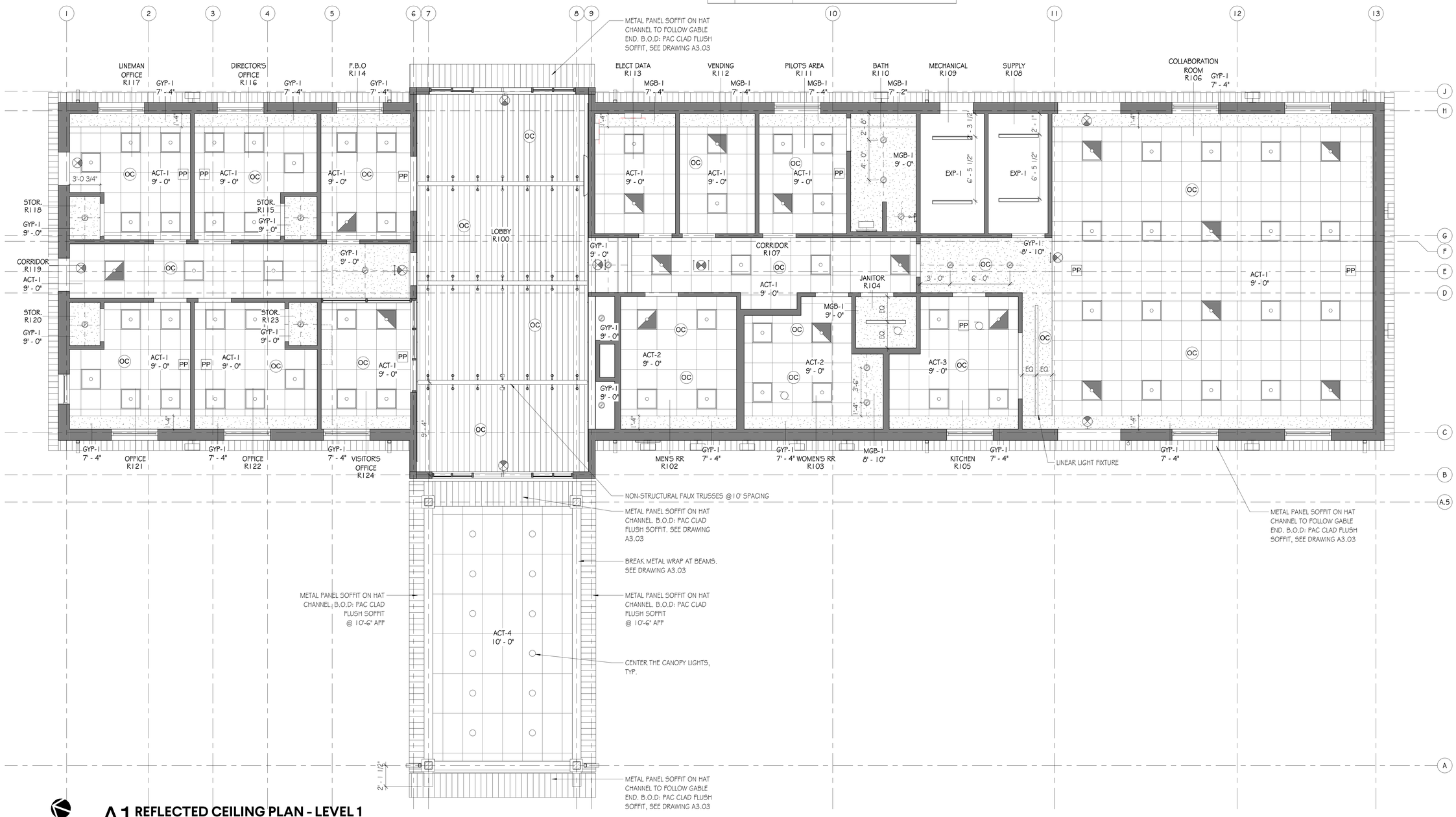
- LAY-IN ACOUSTICAL CEILING SYSTEM - 2X2'
- LAY-IN ACOUSTICAL CEILING SYSTEM - 2X4'
- GYP BOARD - INTERIOR. EIFS SOFFIT - EXTERIOR
- EXPOSED STRUCTURE

MECHANICAL:

- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- EXHAUST FAN

LIGHTING:

- 2X2 LAY-IN FIXTURE
- LINEAR SUSPENDED FIXTURE
- LINEAR RECESSED FIXTURE
- CIRCULAR RECESSED FIXTURE
- EXIT LIGHT



TRUE NORTH

A1 REFLECTED CEILING PLAN - LEVEL 1

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

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REFLECTED CEILING PLAN

A2.01

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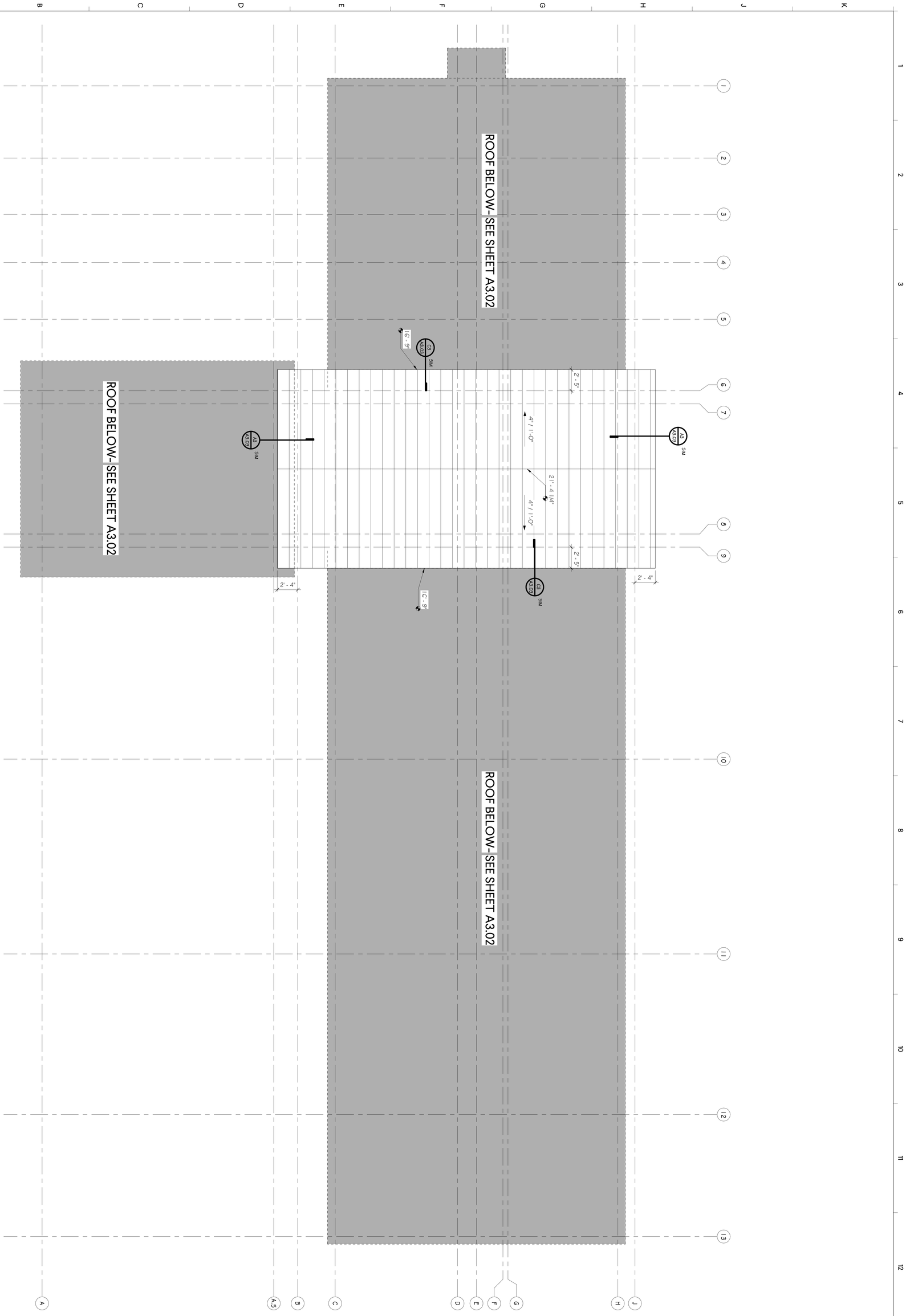

TRUE NORTH

A1 ROOF PLAN - OVERALL UPPER

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

UPPER ROOF PLAN

A3.01

JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT

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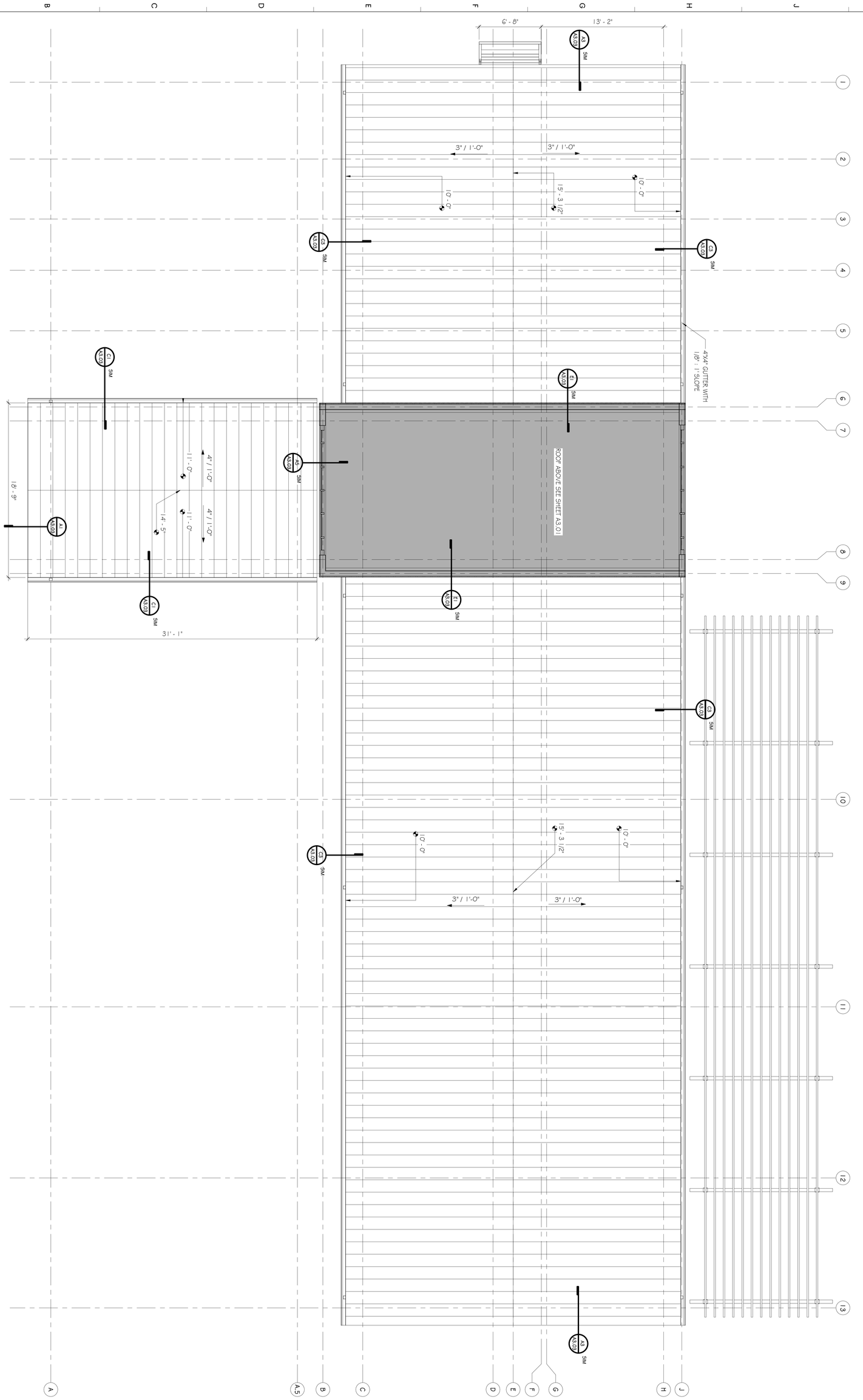
A1 ROOF PLAN - OVERALL LOWER

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

TRUE NORTH



LOWER ROOF PLAN

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A3.02

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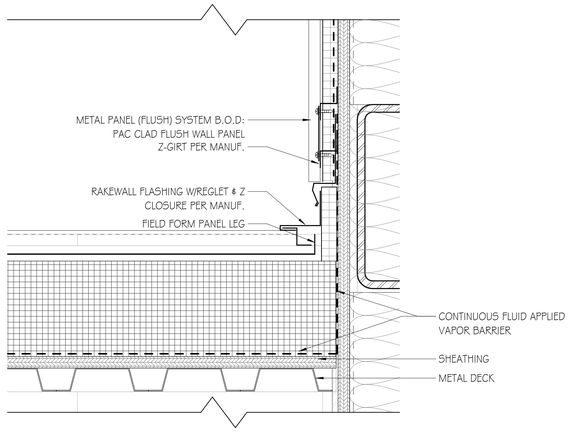
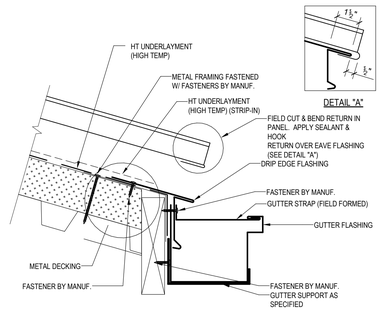
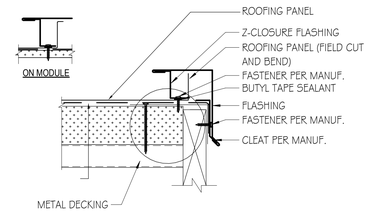


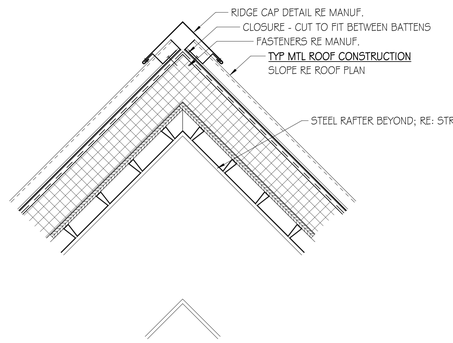
E1 ENLARGED DETAIL - ROOF TRANSITION
SCALE: 3" = 1'-0"



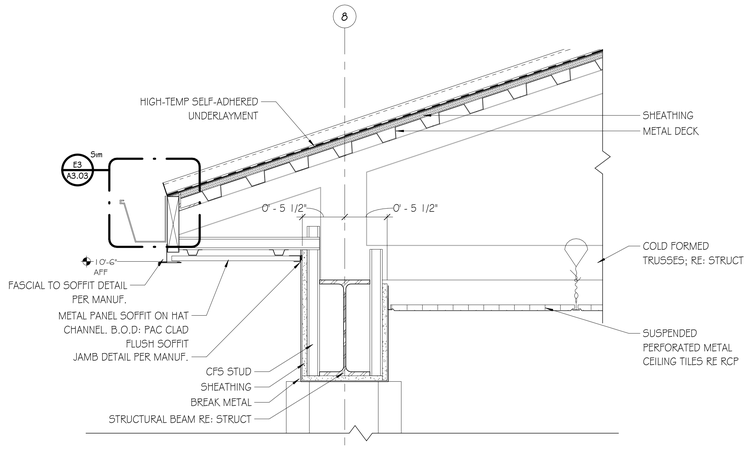
E3 ENLARGED DETAIL - GUTTER (NO FLANGE)
SCALE: 3" = 1'-0"



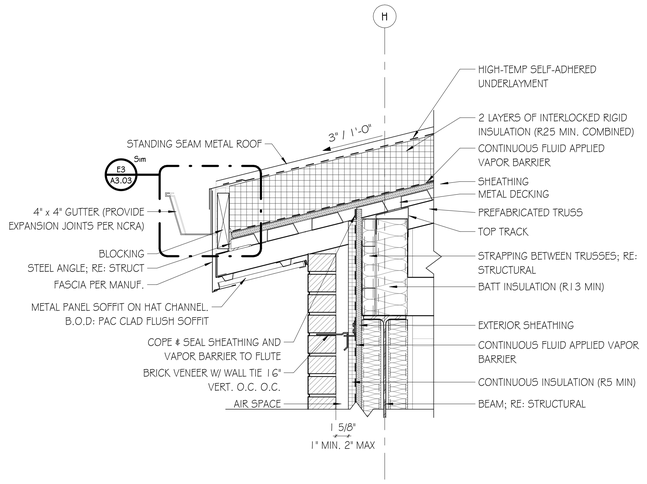
E5 ENLARGED DETAIL - GABLE END
SCALE: 3" = 1'-0"



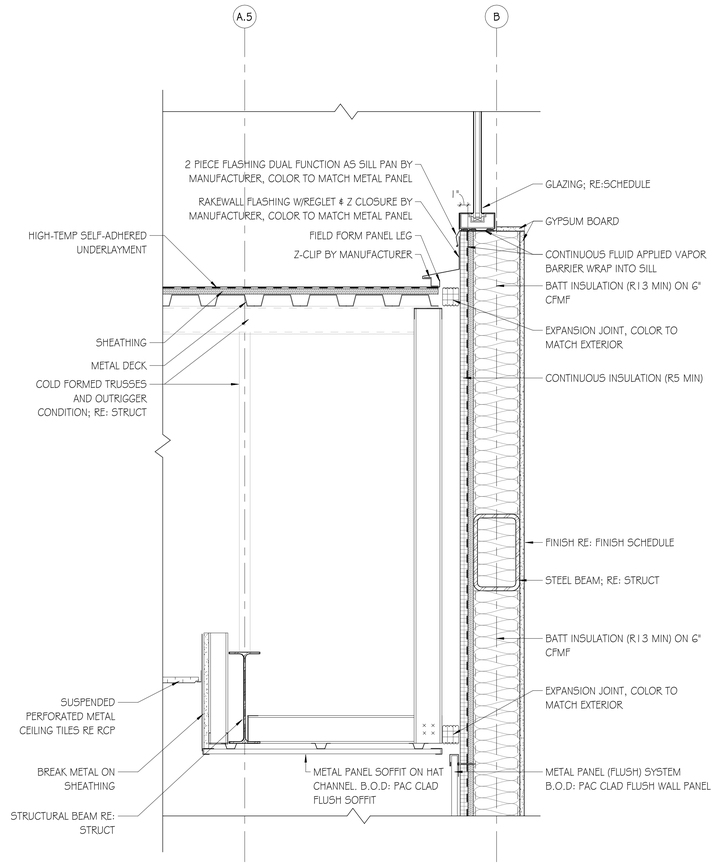
E7 DETAIL - STANDING SEAM MTL ROOF CAP
SCALE: 1 1/2" = 1'-0"



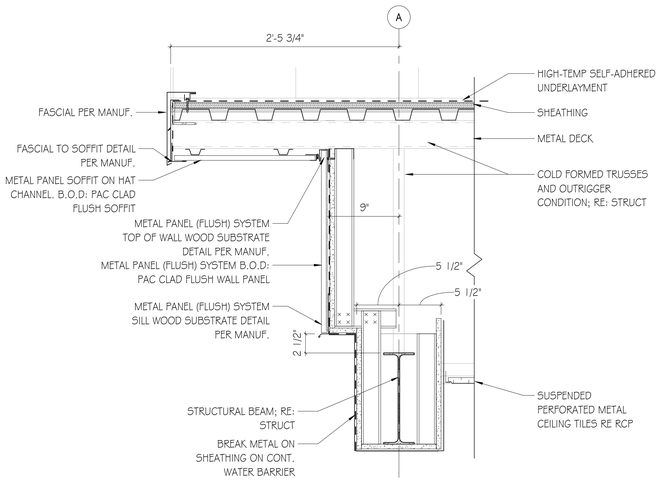
C1 DETAIL - CANOPY BEAM
SCALE: 1 1/2" = 1'-0"



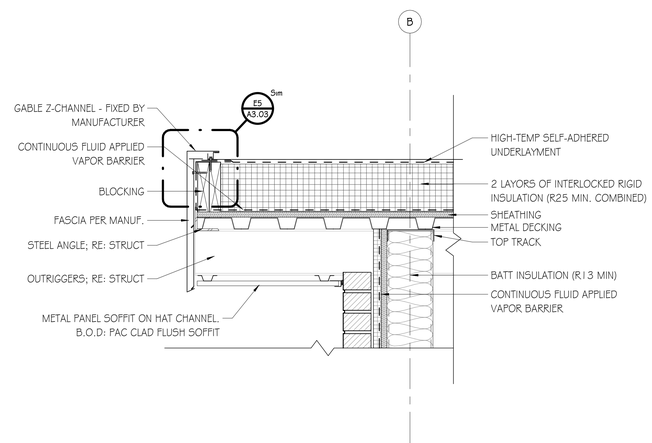
C3 DETAIL - TYP. EAVE
SCALE: 1 1/2" = 1'-0"



A5 DETAIL - RAKEWALL AT CANOPY
SCALE: 1 1/2" = 1'-0"



A1 DETAIL - CANOPY EAVE DETAIL
SCALE: 1 1/2" = 1'-0"



A3 DETAIL - TYPICAL ROOF GABLE END
SCALE: 1 1/2" = 1'-0"

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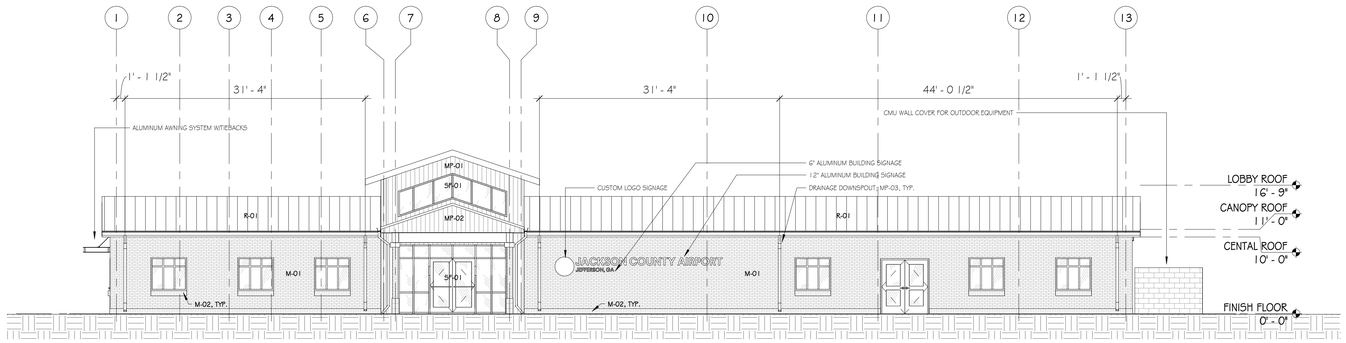
ROOF DETAILS

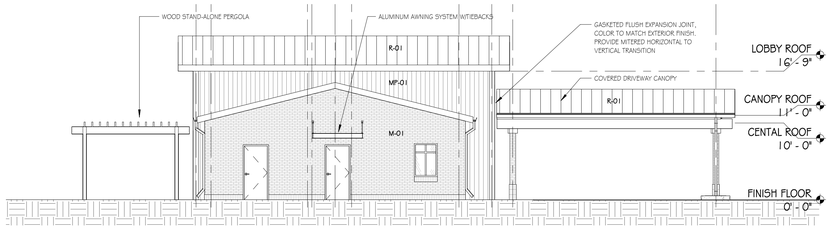
A3.03

1/30/2024 8:23:15 AM TEMPLATE VERSION: 2022.1

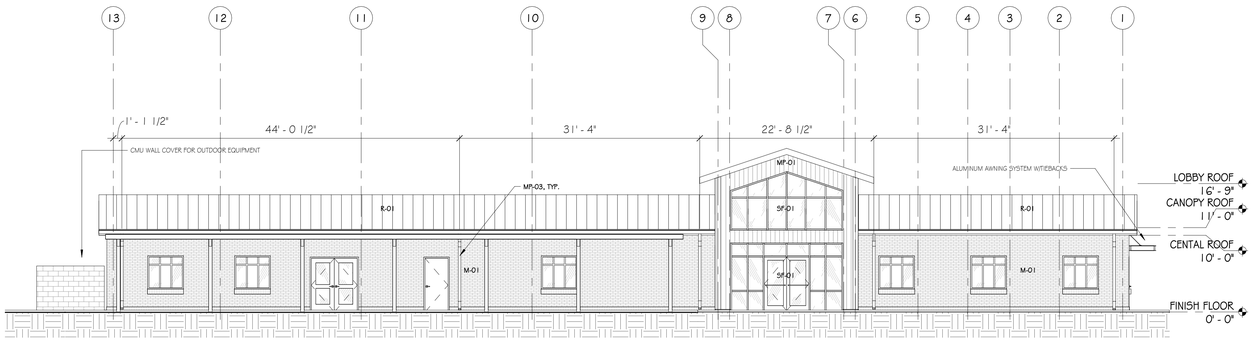
EXTERIOR FINISH LEGEND			
ITEM	DETAIL DESCRIPTION	ITEM	DETAIL DESCRIPTION
R-01	STANDING SEAM METAL ROOF- PAC CLAD PAC-150 DOUBLE LOCK, MUSKET GRAY	SF-01	GLAZING COLOR TBD FRAMING TO MATCH MUSKET GRAY
MP-01	METAL WALL PANEL- PAC CLAD 0.50 ALUMIUNUM FLUSH, MUSKET GRAY	G-01	PPG SOLARBAN 60 SOLARGRAY
MP-02	SOFFIT- PAC CLAD FLUSH SOFFIT, MUSKET GRAY	M-01	BRICK- CHEROKEE BRICK COBBLESTONE GEORGIA CLASSIC
MP-03	PREFINISHED TRIM, GUTTERS, DOWNSPOUTS- TO MATCH PAC CLAD MUSKET GRAY	M-02	SOLDIER COURSE BRICK- CHEROKEE BRICK FRENCH COUNTRY BUFF



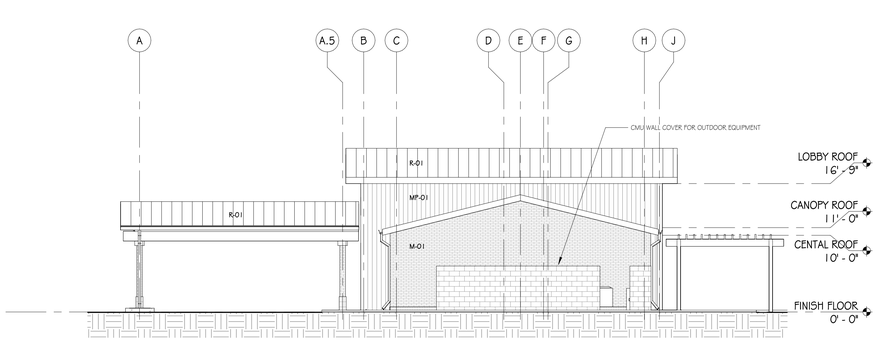
D1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



D8 WEST ELEVATION
SCALE: 1/8" = 1'-0"



A1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



A8 EAST ELEVATION
SCALE: 1/8" = 1'-0"

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EXTERIOR ELEVATIONS

A4.01

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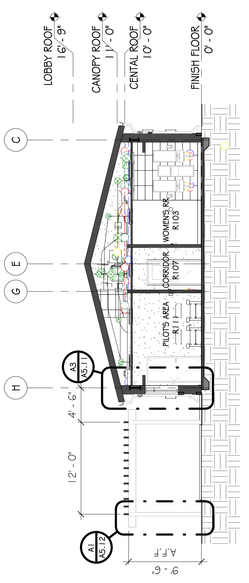
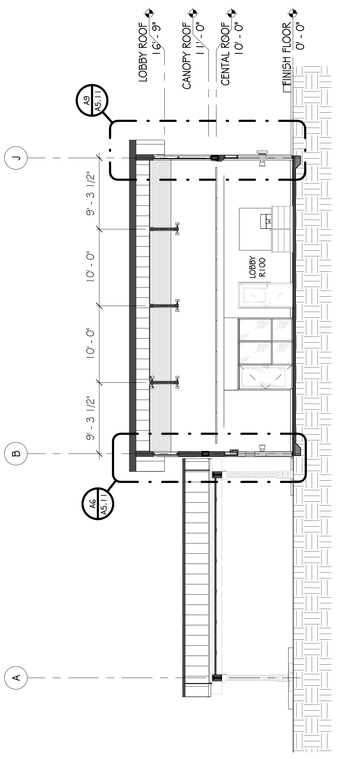
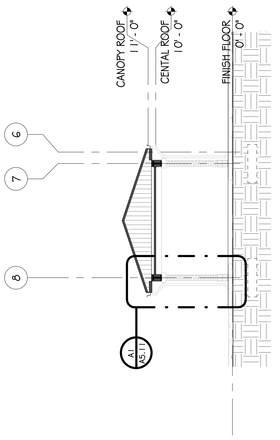


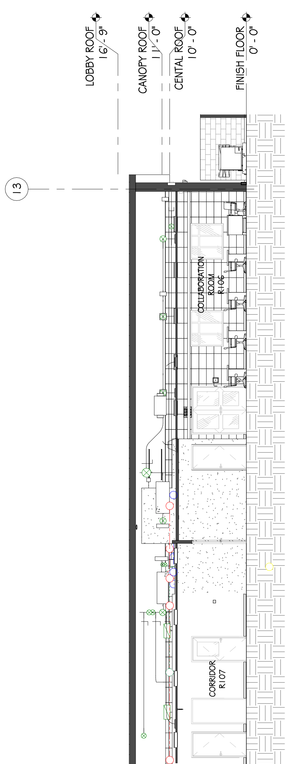
H9 **BUILDING SECTION- PILOT AREA AND RESTROOM**
SCALE: 1/8" = 1'-0"



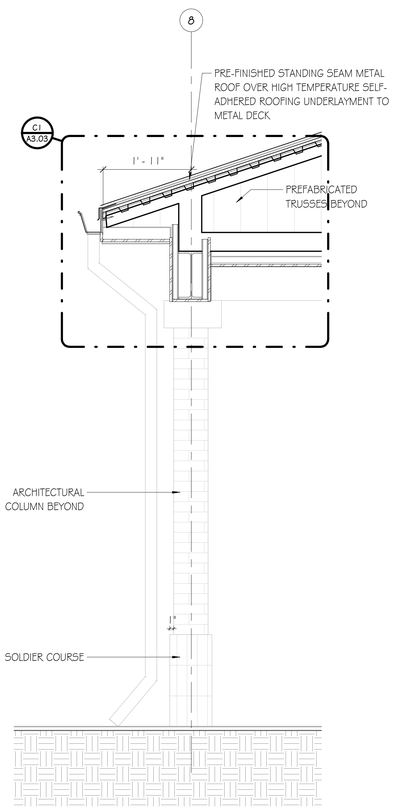
D8 **BUILDING SECTION- LOBBY**
SCALE: 1/8" = 1'-0"



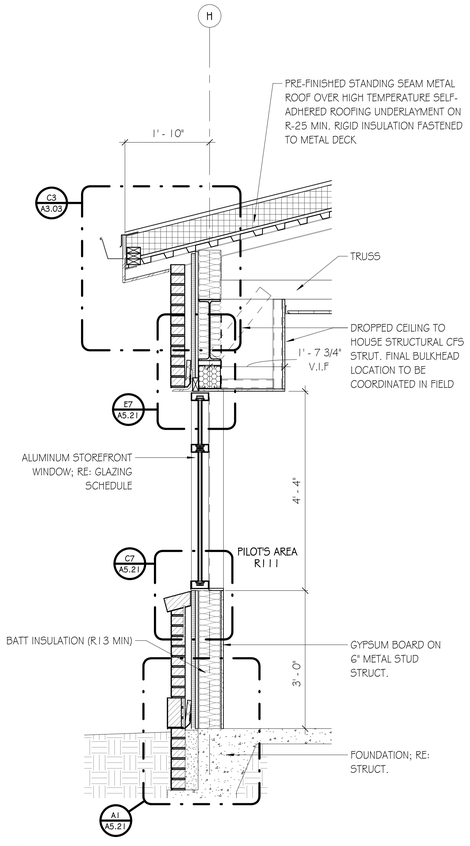
H5 **BUILDING SECTION- DRIVE-THRU CANOPY**
SCALE: 1/8" = 1'-0"



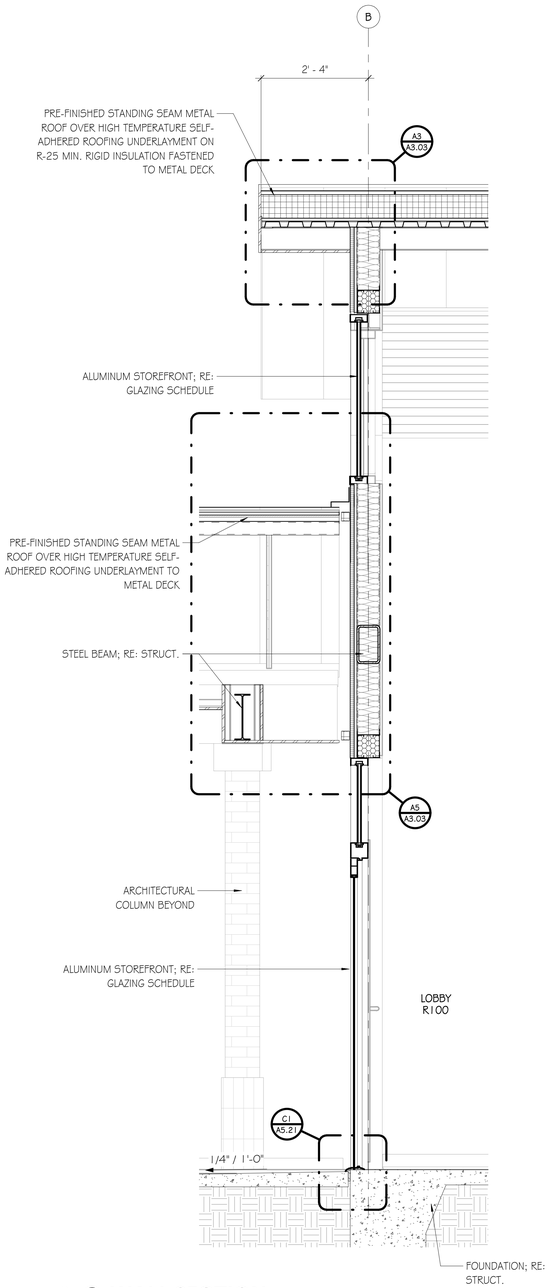
A5 **BUILDING SECTION- MAIN CORRIDOR**
SCALE: 1/8" = 1'-0"



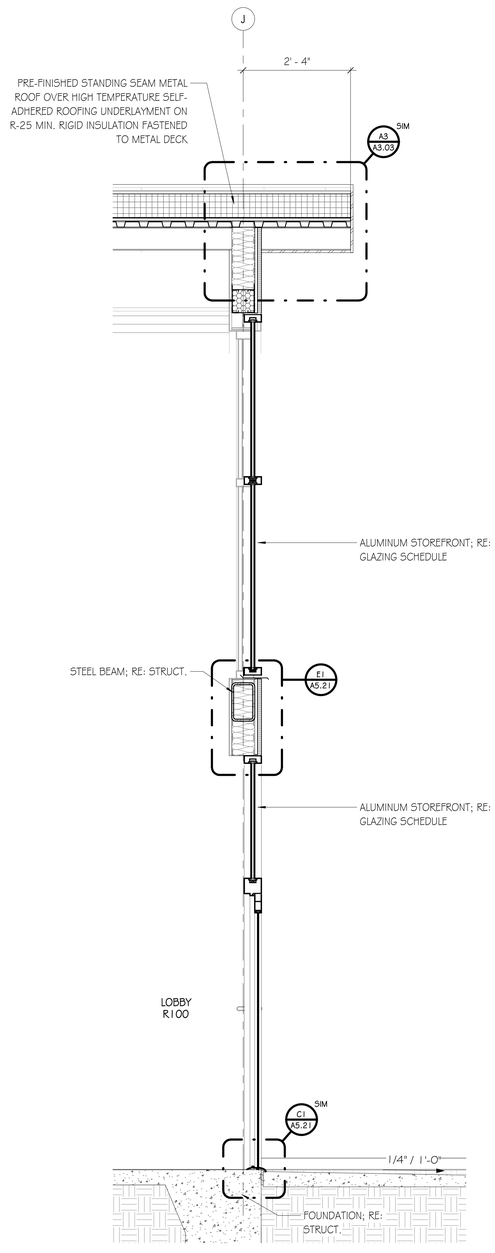
A1 WALL SECTION
SCALE: 3/4" = 1'-0"



A3 WALL SECTION
SCALE: 3/4" = 1'-0"



A6 WALL SECTION
SCALE: 3/4" = 1'-0"



A9 WALL SECTION
SCALE: 3/4" = 1'-0"

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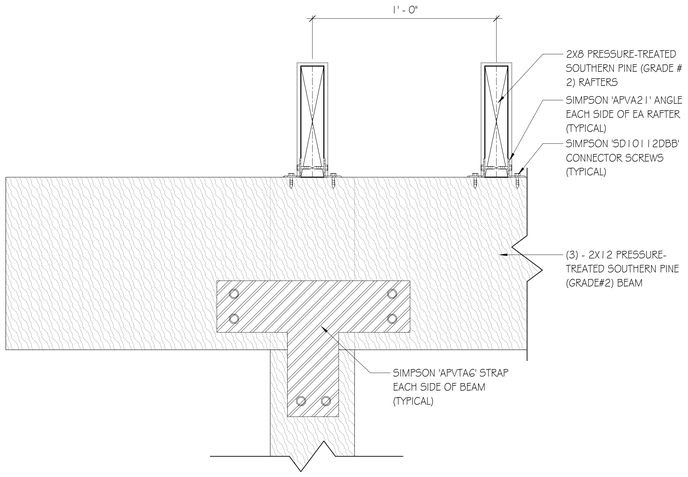
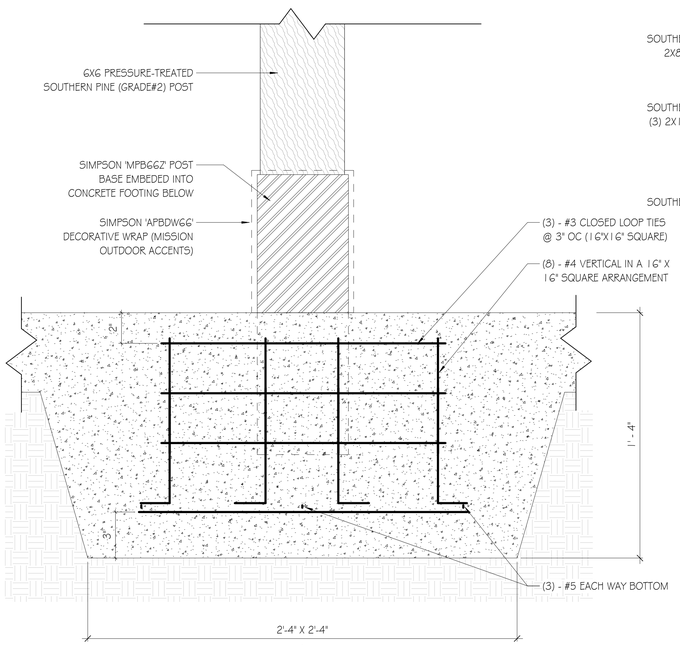
WALL SECTIONS

A5.11

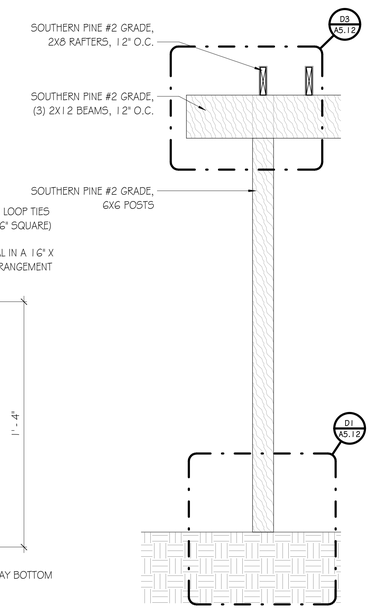
1/30/2024 8:23:18 AM TEMPLATE VERSION: 2022.1



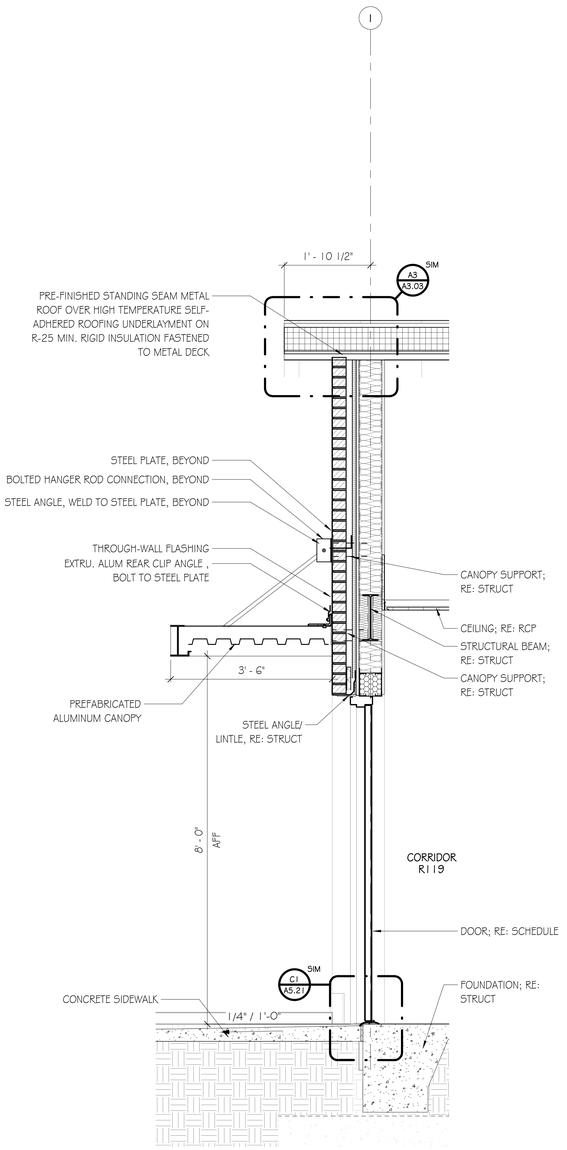
D3 DETAIL - PERGOLA BEAM & POST
SCALE: 3" = 1'-0"



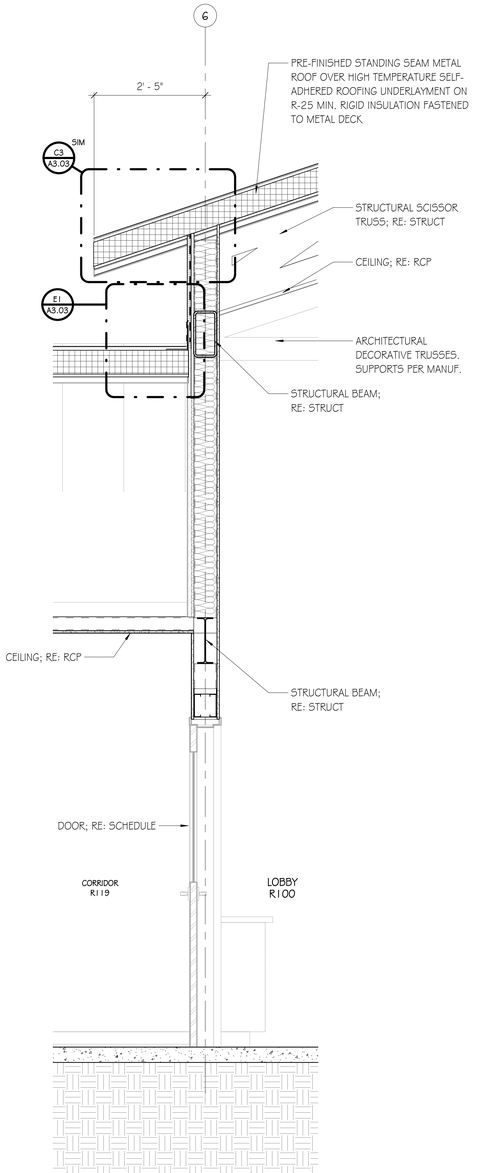
D1 DETAIL - PERGOLA BASE
SCALE: 3" = 1'-0"



A1 WALL SECTION - PERGOLA
SCALE: 3/4" = 1'-0"



A3 WALL SECTION
SCALE: 3/4" = 1'-0"



A5 WALL SECTION
SCALE: 3/4" = 1'-0"

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WALL SECTIONS

A5.12

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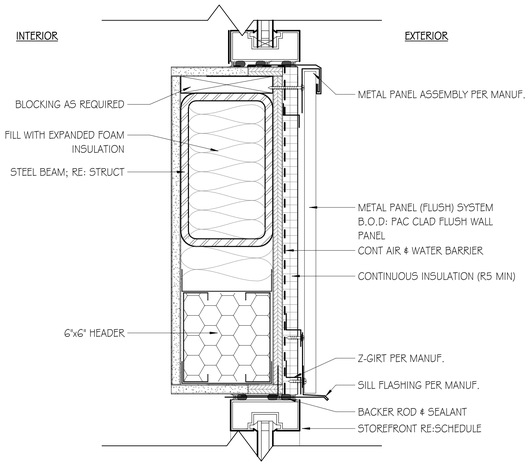
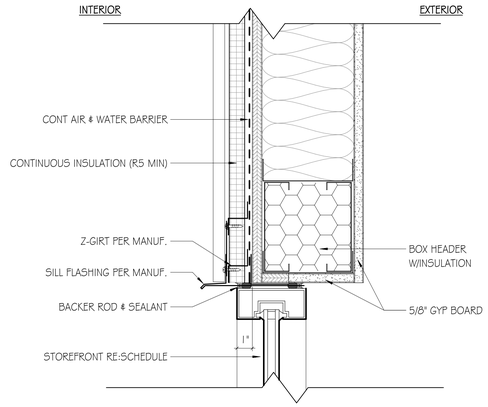
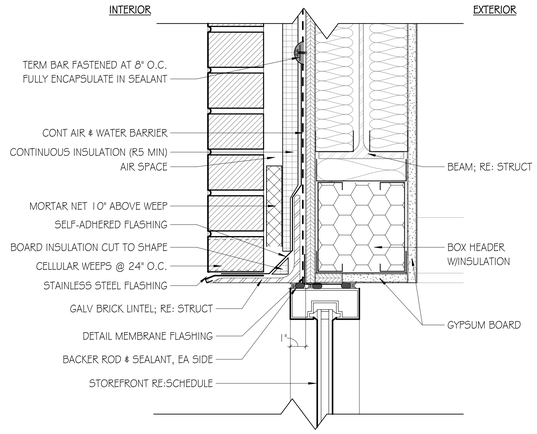


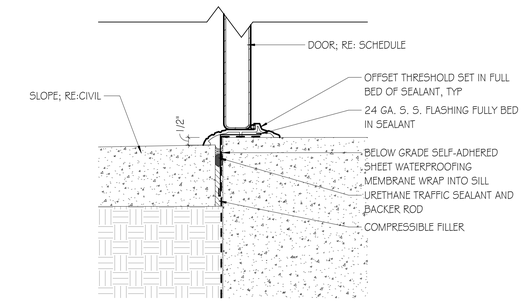
E1 DETAIL - BEAM WRAP
SCALE: 3" = 1'-0"



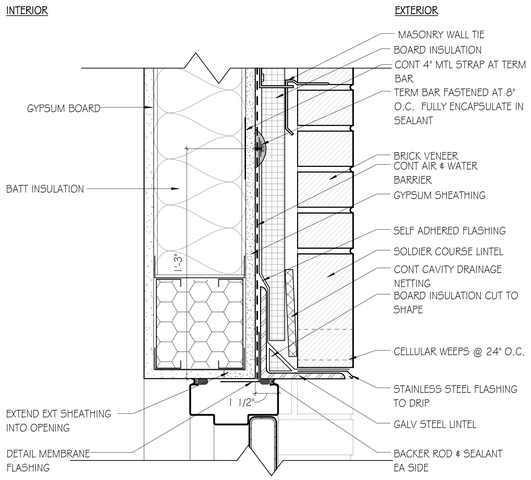
E5 EXT STUD - METAL PANEL WIN HEAD
SCALE: 3" = 1'-0"



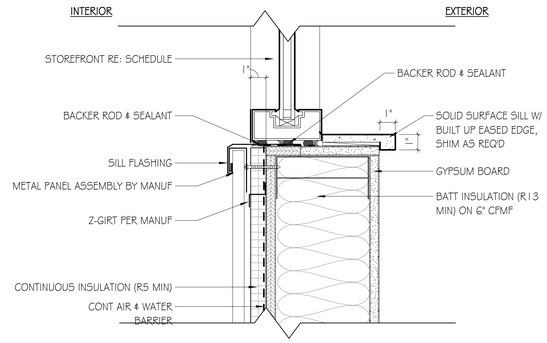
E7 EXT STUD - BRICK WIN HEAD
SCALE: 3" = 1'-0"



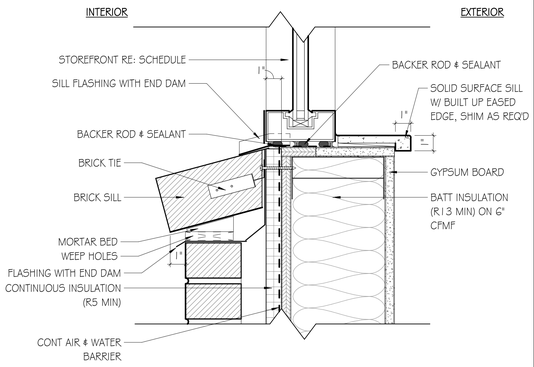
C1 DETAIL - EXT. DOOR SILL
SCALE: 3" = 1'-0"



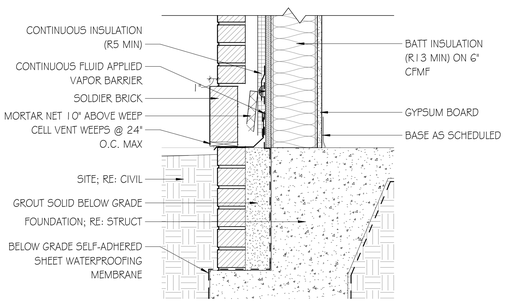
C3 EXT STUD - BRICK DOOR HEAD
SCALE: 3" = 1'-0"



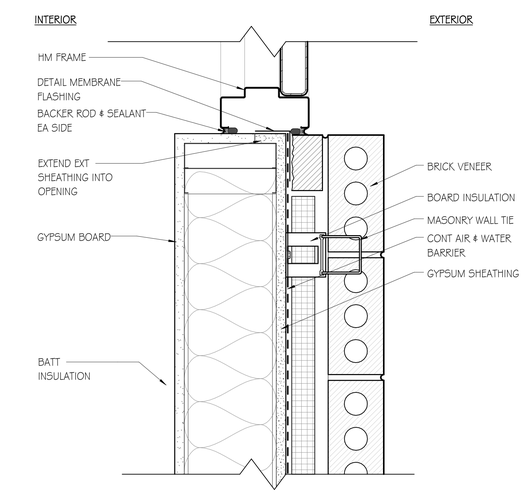
C5 EXT STUD - METAL PANEL WIN SILL
SCALE: 3" = 1'-0"



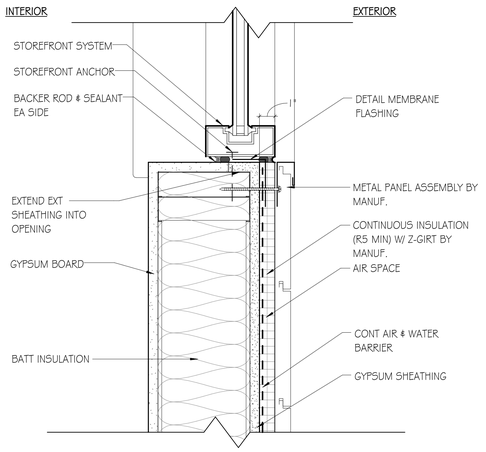
C7 EXT STUD - BRICK WIN SILL
SCALE: 3" = 1'-0"



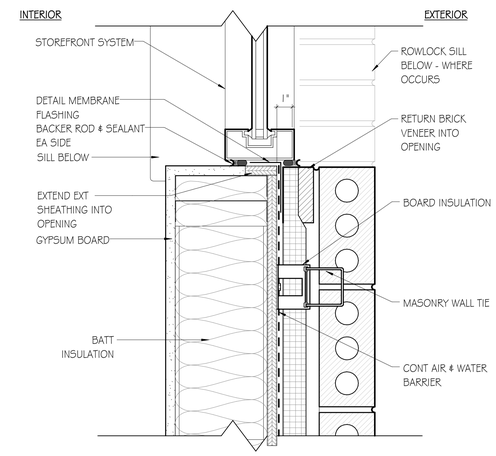
A1 DETAIL - TYPICAL EXT. WALL FOUNDATION
SCALE: 11/2" = 1'-0"



A3 DETAIL - EXT STUD - BRICK DOOR JAMB
SCALE: 3" = 1'-0"



A5 EXT STUD - METAL PANEL WIN JAMB
SCALE: 3" = 1'-0"



A7 EXT STUD - BRICK WIN JAMB
SCALE: 3" = 1'-0"

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Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

SECTION & EXT DOOR/WIN DETAILS

A5.21

1/30/2024 8:23:20 AM TEMPLATE VERSION: 2022.1

DOOR SCHEDULE

LOCATION		SIZE			DOOR			FRAME		HARDWARE	ELEC. COORD.			DETAILS			
DOOR NUMBER	ROOM NAME	WIDTH	HT	THK	DOOR TYPE	MAT'L	GLASS OR LOUVER TYPE	FRAME TYPE	MAT'L	HARDWARE SET NO.	HOLD OPEN	FIRE ALARM INTERFACE	ACCESS CONTROL	HEAD	JAMB	SILL	NUMBERED NOTES
100A	LOBBY	5' - 10"	7' - 0"	1 3/4"	SF	AL	IG1	SF/CW	AL	12.0			Y	PER MANUF.	PER MANUF.	C1/A5.21	03,07
100B	LOBBY	5' - 10"	7' - 0"	1 3/4"	SF	AL	IG1	SF/CW	AL	12.0			Y	PER MANUF.	PER MANUF.	C1/A5.21	03,07
100C	LOBBY	3' - 0"	7' - 0"	1 3/4"	HG	WD/PL	G1	F1	HM	10.0			Y	D6/A6.01	B4/A6.01		07
102	MEN'S RR	3' - 0"	7' - 0"	1 3/4"	F	WD/PL		F1	HM	11.0				D6/A6.01	B4/A6.01		
103	WOMEN'S RR	3' - 0"	7' - 0"	1 3/4"	F	WD/PL		F1	HM	11.0				D6/A6.01	B4/A6.01		
104	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	F	WD/PL		F1	HM	6.0				D6/A6.01	B4/A6.01		
105	KITCHEN	3' - 0"	7' - 0"	0"				F5	HM								
106A	COLLABORATION ROOM	3' - 0"	7' - 0"	1 3/4"	HG	WD/PL	G1	F1	HM	4.0			Y	D6/A6.01	B4/A6.01		07
106B	COLLABORATION ROOM	6' - 0"	7' - 0"	1 3/4"	FG2	HM	IG1	F1	HM	1.0				C3/A5.21	A3/A5.21	C1/A5.21	
106C	COLLABORATION ROOM	6' - 0"	7' - 0"	1 3/4"	FG2	HM	IG1	F1	HM	1.0				C3/A5.21	A3/A5.21	C1/A5.21	
108	SUPPLY	3' - 0"	7' - 0"	1 3/4"	F	WD/PL		F1	HM	6.0				D6/A6.01	B4/A6.01		
109	MECHANICAL	3' - 0"	7' - 0"	1 3/4"	F	HM		F1	HM	2.0				C3/A5.21	A3/A5.21	C1/A5.21	
110	BATH	3' - 0"	7' - 0"	1 3/4"	F	WD/PL		F1	HM	9.0				D6/A6.01	B4/A6.01		
111	PILOT'S AREA	3' - 0"	7' - 0"	1 3/4"	HG	WD/PL	G1	F1	HM	10.0			Y	D6/A6.01	B4/A6.01		07
112A	VENDING	3' - 0"	7' - 0"	0"				F5	HM								
113	ELECT DATA	3' - 0"	7' - 0"	1 3/4"	F	WD/PL		F1	HM	6.0				D6/A6.01	B4/A6.01		
114	F.B.O	3' - 0"	7' - 0"	1 3/4"	HG	WD/PL	G1	F1	HM	8.0				D6/A6.01	B4/A6.01		
115	STOR.	3' - 0"	7' - 0"	1 3/4"	F	WD/PL		F1	HM	5.0				D6/A6.01	B4/A6.01		
116	DIRECTOR'S OFFICE	3' - 0"	7' - 0"	1 3/4"	HG	WD/PL	G1	F1	HM	7.0				D6/A6.01	B4/A6.01		
117A	LINEMAN OFFICE	3' - 0"	7' - 0"	1 3/4"	HG	WD/PL	G1	F1	HM	7.0				D6/A6.01	B4/A6.01		
117B	LINEMAN OFFICE	3' - 0"	7' - 0"	1 3/4"	F	HM		F1	HM	2.0				C3/A5.21	A3/A5.21	C1/A5.21	
118	STOR.	3' - 0"	7' - 0"	1 3/4"	F	WD/PL		F1	HM	5.0				D6/A6.01	B4/A6.01		
119	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	F	HM		F1	HM	2.0				C3/A5.21	A3/A5.21	C1/A5.21	
120	STOR.	3' - 0"	7' - 0"	1 3/4"	F	WD/PL		F1	HM	5.0				D6/A6.01	B4/A6.01		
121	OFFICE	3' - 0"	7' - 0"	1 3/4"	HG	WD/PL	G1	F1	HM	7.0				D6/A6.01	B4/A6.01		
122	OFFICE	3' - 0"	7' - 0"	1 3/4"	HG	WD/PL	G1	F1	HM	7.0				D6/A6.01	B4/A6.01		
123	STOR.	3' - 0"	7' - 0"	1 3/4"	F	WD/PL		F1	HM	5.0				D6/A6.01	B4/A6.01		
124	VISITOR'S OFFICE	3' - 07/8"	6' - 9 3/4"	1 3/4"	FG	AL	G1	SF/CW	AL	3.0			Y	PER MANUF.	PER MANUF.	PER MANUF.	07

DOOR NUMBERED NOTES

01 MAGNETIC HOLD-OPEN DEVICES
02 AUTOMATIC ENTRANCE DOORS, SEE SPECIFICATIONS
03 ALUMINUM-FRAMED ENTRANCE DOORS, SEE GLAZING SCHEDULE FOR CONFIG.
04 ALL-GLASS ENTRANCE DOORS, SEE GLAZING SCHEDULE FOR CONFIGURATION
05 DOOR EDGE CONSTRUCTION: SEAMLESS
06 EGRESS - EXIT ONLY DOOR
07 MECHANICAL KEYPAD LOCK. SEE SPECIFICATION 08 7100

DOOR GENERAL NOTES

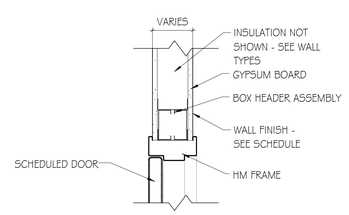
1) GENERAL:
A. DOOR AND/OR FRAME CONSTRUCTION SHALL BE AS SPECIFIED UNLESS NOTED OTHERWISE.
B. ALL TYPES OF DOORS ARE REPRESENTED IN THIS SCHEDULE FOR CONVENIENCE. WHERE MORE DESCRIPTIVE INFORMATION MAY BE LOCATED ELSEWHERE, NOTATION IS MADE IN THE NUMBERED NOTES COLUMN. (E.G. ALUMINUM FRAMED ENTRANCE DOORS. SEE SPECIFICATIONS)
2) MATERIAL AND FINISH:
A. MATERIALS AND FINISHES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:
- HM HOLLOW METAL
- ST STEEL
- ST/S STEEL / STAINLESS OR STAINLESS CLAD
- WD SOLID CORE WOOD
- WD/PL WOOD / PLASTIC LAMINATE FACED (REFER FINISH SCHEDULE FOR PLASTIC AMINATE SELECTION)
- WD/IR WOOD / IMPACT-RESISTANT VINYL-FACED
- AL ALUMINUM
- GL GLAZING/GLASS
- PREFIN PREFINISHED (OR FACTORY FINISHED)
- PNT PAINTED
- STN STAINED

3) GLASS:
A. GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 08 8000 'GLAZING'):
MONOLITHIC:
- G1 6.0mm CLEAR, TEMPERED
- G2 7.5mm CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR
- G3 7.5mm CLEAR, LAMINATED, INTERLAYER COLOR: ARCTIC SNOW
- G4 8.0mm CLEAR, FIRE-RATED CERAMIC GLAZING, MATCH RATING OF OPNG.
- G5 4.0mm(x2) ULTRACLEAR, TEMPERED, 2 LITES + INTEGRAL BLINDS

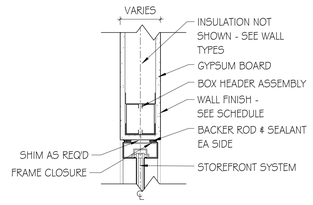
INSULATING:
- IG1 1 INCH INSULATING, VISION LITE
- IG2 1 INCH INSULATING, SPANDREL LITE

4) LOUVERS:
A. DOOR LOUVER TYPES INDICATION ON THE SCHEDULE ARE AS FOLLOWS:
- L1 A' W X B' H, SIGHT PROOF, WEATHER RESISTANT, WITH INSECT SCREEN
- L2 A' W X B' H, LIGHT PROOF

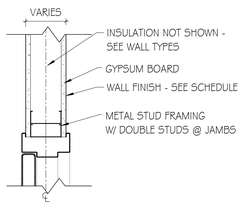
5) DOOR HARDWARE:
A. 'HARDWARE SET NUMBER' REFERS TO HARDWARE SETS SPECIFIED IN SPECIFICATION SECTION 08 7100 'DOOR HARDWARE'.



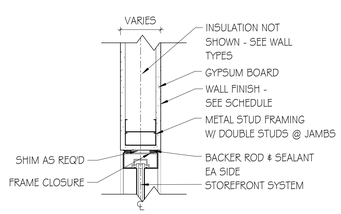
D6 DETAIL - INT STUD DOOR HEAD
SCALE: 11/2" = 1'-0"



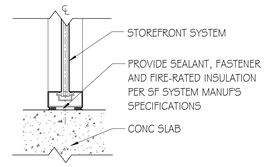
D8 DETAIL - INT SF @ GYP HEAD
SCALE: 11/2" = 1'-0"



B4 DETAIL - INT STUD DOOR JAMB
SCALE: 11/2" = 1'-0"

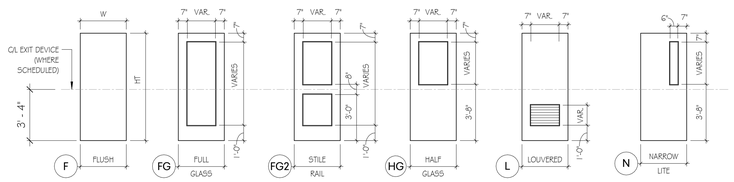


B6 DETAIL - SF @ GYP JAMB
SCALE: 11/2" = 1'-0"

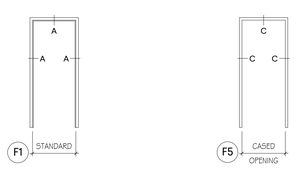


B8 DETAIL - SF SILL @ SLAB
SCALE: 11/2" = 1'-0"

DOOR TYPES - WOOD + HOLLOW METAL SWING DOORS

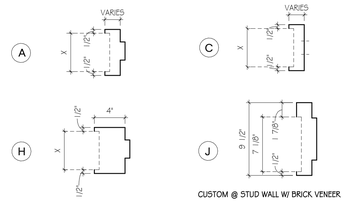


FRAME TYPES - HOLLOW METAL



FRAME PROFILES

NOTE: X = THROAT DIMENSION /PARTITION THICKNESS



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Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

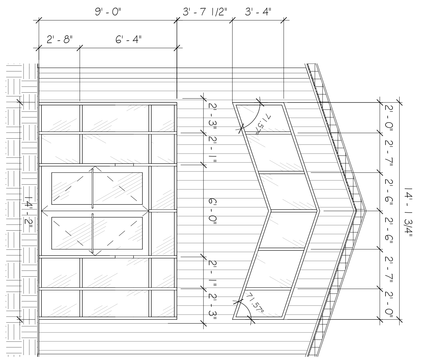
GMC # AATL230012

DOOR SCHEDULE, LEGEND, NOTES & INT DOOR/WINDOW DETAILS

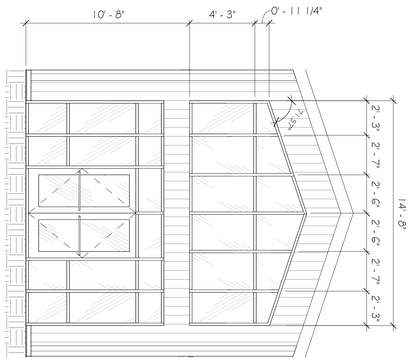
A6.01

1/30/2024 8:23:21 AM TEMPLATE VERSION: 2022.1

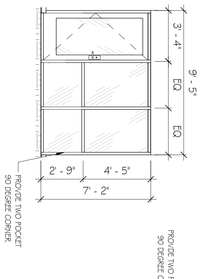
SF-1
SCALE: 1/4" = 1'-0"



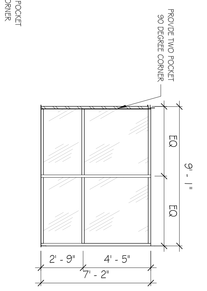
SF-2
SCALE: 1/4" = 1'-0"



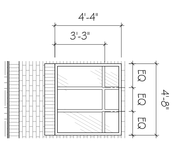
SF-3
SCALE: 1/4" = 1'-0"



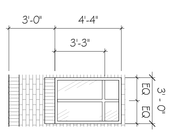
SF-4
SCALE: 1/4" = 1'-0"



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



W-2
SCALE: 1/4" = 1'-0"



GLASS SCHEDULE

GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTION 088000 'GLAZING'):
ALL INTERIOR GLASS IS G1 , EXTERIOR GLASS IS IG1 UNLESS INDICATED OTHERWISE.

MONOLITHIC:
G1 6.0mm CLEAR, TEMPERED

INSULATING:
IG1 1 INCH INSULATING, VISION LITE
IG2 1 INCH INSULATING, SPANDREL LITE

GLAZING & LOUVER SCHEDULES

A6.11

JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
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6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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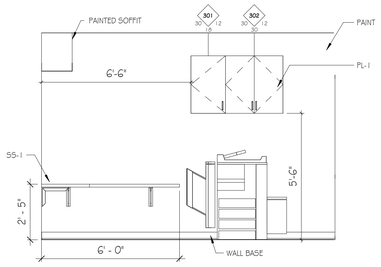
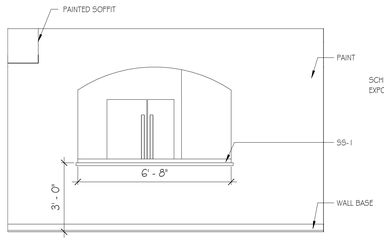
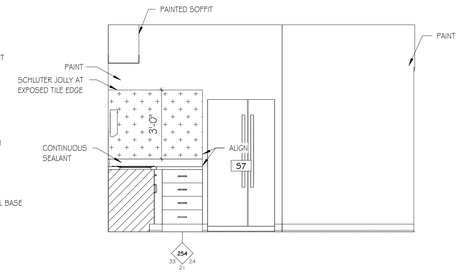


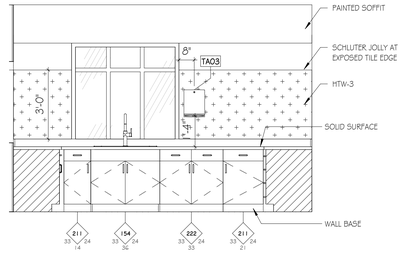
J1 ELEVATION - R124 WEST
SCALE: 3/8" = 1'-0"



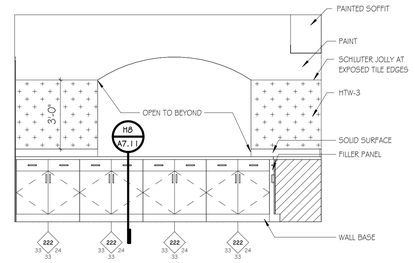
J4 ELEVATION - R106 WEST
SCALE: 3/8" = 1'-0"



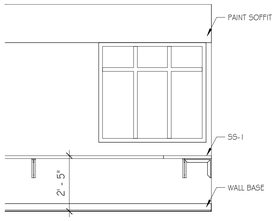
J6 KITCHEN - WEST
SCALE: 3/8" = 1'-0"



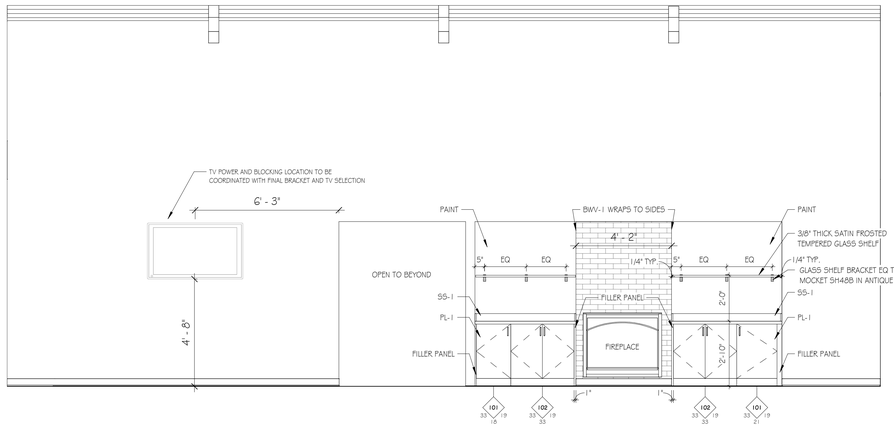
J8 KITCHEN - SOUTH
SCALE: 3/8" = 1'-0"



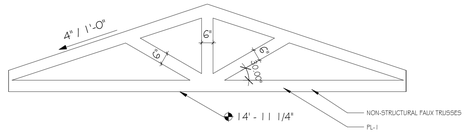
J10 KITCHEN - EAST
SCALE: 3/8" = 1'-0"



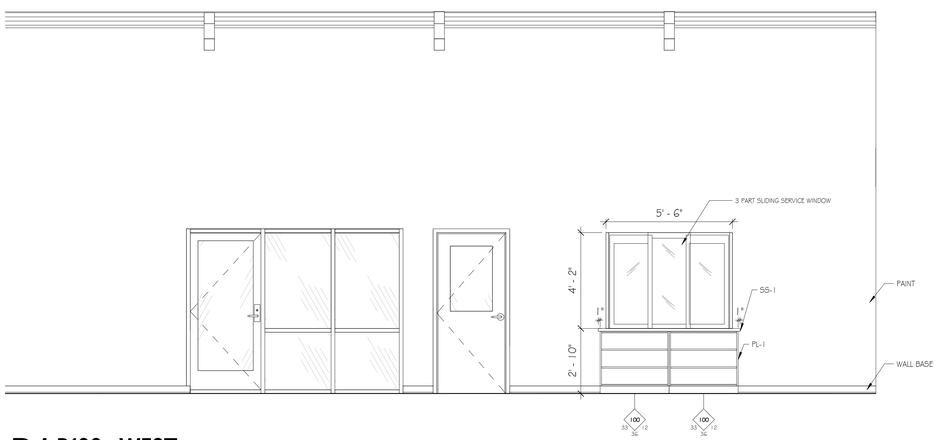
G1 ELEVATION - R124 SOUTH
SCALE: 3/8" = 1'-0"



F1 R100 - EAST
SCALE: 3/8" = 1'-0"



F6 R100 - SOUTH
SCALE: 3/8" = 1'-0"



B1 R100 - WEST
SCALE: 3/8" = 1'-0"

CASEWORK SCHEDULE

NOTE: CABINET DESIGN SERIES (CDS) NUMBERS BASED ON AWI STANDARDS EDITION 2

CDS #	CASEWORK TYPE	DESCRIPTION
100	BASE CAB	OPEN W/ ADJUSTABLE SHELVES
101	BASE CAB	SGL DOOR
102	BASE CAB	DBL DOOR
154	BASE CAB	SINK BASE WITH FALSE DRWR, RETRACTABLE DOORS & TOE BASE
211	BASE CAB	SGL DOOR / SGL DRWR
222	BASE CAB	DBL DOORS / DBL DRWRS
254	BASE CAB	4 FILES
301	WALL CAB	SGL DOOR
302	WALL CAB	DBL DOORS

GMC

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Atlanta, GA 30339
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JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

INTERIOR ELEVATIONS

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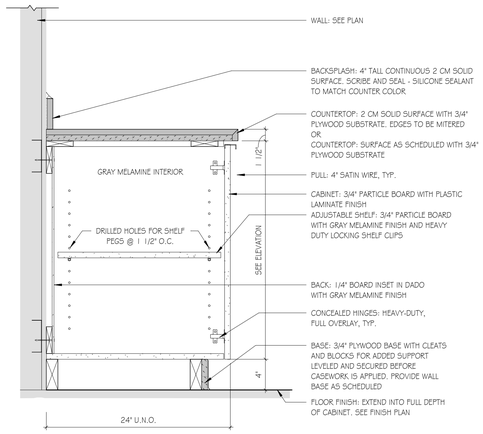
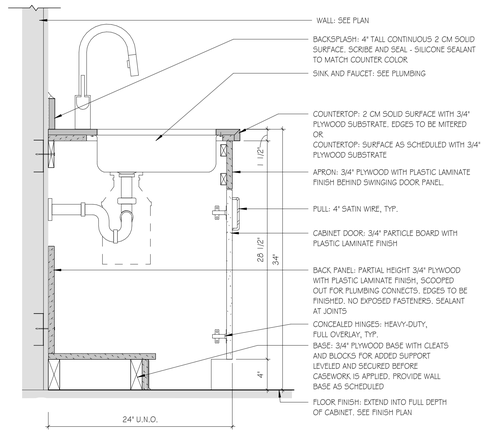
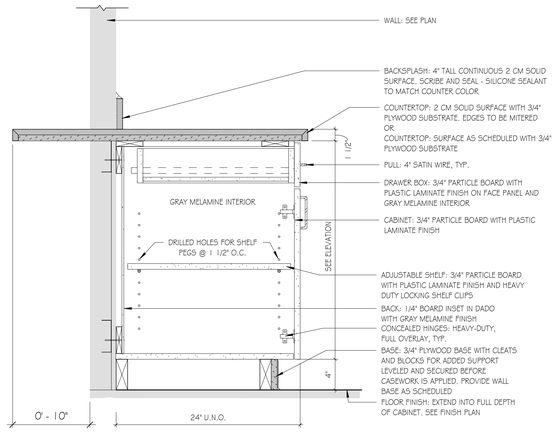


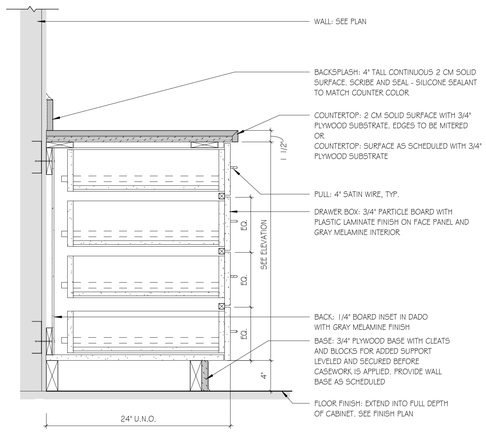
H1 TYP. BASE CABINET
SCALE: 1 1/2" = 1'-0"



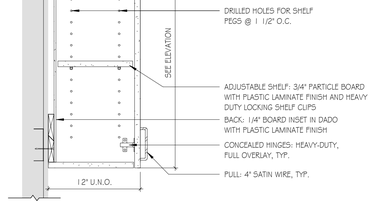
H5 TYP. BASE CABINET
SCALE: 1 1/2" = 1'-0"



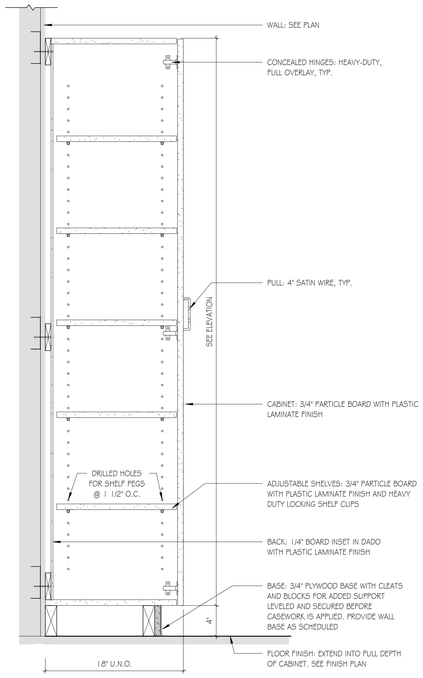
H8 BASE CABINET DETAIL
SCALE: 1 1/2" = 1'-0"



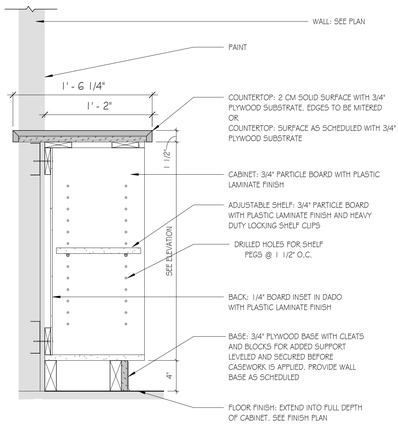
D1 TYP. BASE CABINET
SCALE: 1 1/2" = 1'-0"



D5 TYP. UPPER CABINET
SCALE: 1 1/2" = 1'-0"



C7 TYP. TALL CABINET
SCALE: 1 1/2" = 1'-0"



D10 RECEPTION CABINET BASE DETAIL
SCALE: 1 1/2" = 1'-0"

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6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
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MILLWORK DETAILS

A7.11

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FINISH NOTES

FLOORS:

- REFER TO FLOOR FINISH PLANS FOR FLOOR PATTERN. CONTRACTOR MUST NOTIFY INTERIOR DESIGNER BEFORE INSTALLATION OF FLOORING TO REVIEW DESIGN INTENT OF FLOOR PATTERN PLAN

- ALL FLOORING TRANSITIONS INCLUDING TRANSITIONS TO SIMILAR MATERIAL OR REDUCER STRIPS AND OTHER THRESHOLDS TO DISSIMILAR MATERIAL SHALL BE LOCATED AT THE CENTERLINE OF DOOR WHEN IN CLOSED POSITION. COLORS SHALL BE SELECTED DURING SUBMITTAL REVIEW. REFER TO DETAILS FOR TRANSITIONS BETWEEN FLOORING MATERIALS. CONTRACTOR TO PROVIDE TRANSITION SIZES APPROPRIATE FOR THICKNESS

- AVOID ALL FLOORING MATERIAL SLIVER CUTS LESS THAN 4" WIDE @ WALL PERIMETERS & MATERIAL TRANSITIONS. CONTACT DESIGNER IF JOBSITE CONDITIONS DIFFER.

- INSTALL FLOORING CONTINUOUS UNDER ALL CASEWORK, MILLWORK, EQUIPMENT, & FURNITURE

- ALIGN VERTICAL GROUT JOINTS IN TILE BASE WITH THOSE IN THE FLOOR TILE UNLESS NOTED OTHERWISE

WALLS:

- REFER TO FINISH PLANS & ELEVATIONS FOR LOCATION OF ACCENT PAINT COLORS

- ALL DOOR & WINDOW FRAMES TO BE PAINTED (PNT-2) UNLESS OTHERWISE NOTED

- ALL ACCESS PANELS AND MISCELLANEOUS METAL (RETURN AND AIR SUPPLY GRILLES, EXPANSION JOINTS, ETC.) LOCATED ON WALL SURFACES OR CEILING SURFACES TO BE PAINTED WALL OR CEILING COLOR U.N.O.

- WALL BASE TO BE INSTALLED ON ALL WALLS, MILLWORK, AND CASEWORK U.N.O.

- INSTALL FINISH STRIP EQUAL TO SCHLUTER "JOLLY" AT ALL EXPOSED TILE EDGES & CORNERS

MILLWORK / CASEWORK:

- INSTALL 3MM EDGEBAND ON ALL PLASTIC LAMINATE COUNTERTOPS AND CABINETS.

- FIELD VERIFY ALL DIMENSIONS FOR CASEWORK & MILLWORK PRIOR TO FABRICATION & INSTALLATION

- ALL EXPOSED ENDS AND EXPOSED INTERIORS OF CASEWORK/ MILLWORK TO RECEIVE MATCHING LAMINATES

MISC:

- DO NOT PAINT DOOR LABELS AT RATED DOORS OR FRAMES.

- PROVIDE BLOCKING AS REQUIRED AT ALL TELEVISION LOCATIONS - COORDINATE WITH OWNER'S EQUIPMENT

- PROVIDE BLOCKING FOR ALL GRAB BARS AND TOILET ACCESSORIES

- NON ADA TOILET FIXTURES SHALL BE CENTERED IN STALL

- CAULK ALL DOOR FRAMES, MILLWORK, AND VIEW WINDOW FRAMES AFTER WALLCOVERING INSTALLATION IS COMPLETE. COLOR OF CAULK TO MATCH ADJACENT FINISH.

- ALL PARTIES RESPONSIBLE FOR DELIVERING FINISHES TO THE SITE SHALL CHECK AVAILABILITY OF QUANTITIES AND DELIVERY DATES UPON NOTICE TO PROCEED. NO CONSIDERATION WILL BE GIVEN FOR FAILURE TO COMPLY WITH THIS REQUIREMENT.

RCP NOTES:

- ALL SPRINKLER HEADS IN FINISHED CEILINGS ALL SHALL BE CENTERED IN CEILING TILE. SPRINKLER HEADS SHALL NOT BE PAINTED.

- INTERIOR CEILING HEIGHTS SHALL BE AS INDICATED ON THE REFLECTED CEILING PLANS.

- WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER ABOUT DOOR, BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE.

- ALL GYP CEILINGS TO BE PAINTED (PNT-3) UNLESS OTHERWISE NOTED IN RCP. BOTH CEILING AND SOFFIT /BULKHEAD SURFACES ARE TO BE PAINTED THE SAME COLOR.

- DO NOT INSTALL CEILING TILE LESS THAN 6" IN ANY DIRECTION - WHEN POSSIBLE CENTER TILE IN ROOM.

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	MILLWORK/CASEWORK		COMMENTS
					CABINET	COUNTERTOP	
R100	LOBBY	LVT-1, WOC-1, CPT-1	RB-1	PNT-1 & BWV-1		SS-1	SEE ELEVATIONS FOR LOCATION OF BWV-1. TRUSSES TO BE PL-1.
R102	MEN'S RR	HTF-1	HTB-1	PNT-1 & HTW-1 & 2			TILE AT WET WALLS ONLY; SEE ELEVATIONS.
R103	WOMEN'S RR	HTF-1	HTB-1	PNT-1 & HTW-1 & 2			TILE AT WET WALLS ONLY; SEE ELEVATIONS.
R104	JANITOR.	SC-1	RB-1	PNT-1			
R105	KITCHEN	LVT-1	RB-1	PNT-1	PL-1	SS-1	
R106	COLLABORATION ROOM	LVT-1	RB-1	PNT-1		SS-1	
R107	CORRIDOR	LVT-1 & HTF-1	RB-1 & HTB-1	PNT-1 & HTW-3			SEE FINISH PLAN FOR LOCATION OF TILED WALL.
R108	SUPPLY	SC-1	RB-1	PNT-1			
R109	MECHANICAL	SC-1	RB-1	PNT-1			
R110	BATH	HTF-1	HTB-1	PNT-1 & HTW-1 & 2			TILE AT WET WALLS ONLY; SEE ELEVATIONS.
R111	PILOTS AREA	LVT-1	RB-1	PNT-1			
R112	VENDING	LVT-1	RB-1	PNT-1			
R113	ELECT DATA	SC-1	RB-1	PNT-1			
R114	F.B.O	LVT-1	RB-1	PNT-1			
R115	STOR.	LVT-1	RB-1	PNT-1			
R116	DIRECTOR'S OFFICE	LVT-1	RB-1	PNT-1			
R117	LINEMAN OFFICE	LVT-1	RB-1	PNT-1			
R118	STOR.	LVT-1	RB-1	PNT-1			
R119	CORRIDOR	LVT-1	RB-1	PNT-1			
R120	STOR.	LVT-1	RB-1	PNT-1			
R121	OFFICE	LVT-1	RB-1	PNT-1			
R122	OFFICE	LVT-1	RB-1	PNT-1			
R123	STOR.	LVT-1	RB-1	PNT-1			
R124	VISITOR'S OFFICE	CPT-1	RB-1	PNT-1	PL-1	SS-1	

FINISH LEGEND

FLOOR

NUMBER	TYPE	DETAIL DESCRIPTION
CPT-1	CARPET	MANUFACTURER: INTERFACE STYLE NAME: CAP ROCK - LOST PALMS COLOR: 108125 NATURAL SIZE: 1M X 1M INSTALLATION: ASHLAR LOCATION: AS SCHEDULED
HTF-1	HARD FLOOR TILE	MANUFACTURER: SOUTH CYPRESS STYLE NAME: AMBIANCE COLOR: MUTE SIZE: 12 X 24 INSTALLATION: ASHLAR GROUT: TBD LOCATION: RESTROOMS, AS SCHEDULED
LVT-1	LUXURY VINYL TILE	MANUFACTURER: PATCRAFT STYLE NAME: 1707V TREELINE 5 MM COLOR: 00146 GINGER SIZE: 7" X 48" INSTALLATION: ASHLAR LOCATION: AS SCHEDULED
WOM-1	WALK-OFF MAT	MANUFACTURER: INTERFACE STYLE NAME: STEP REPEAT COLLECTION COLOR: 104932 IRON SIZE: 50 CM X 50 CM LOCATION: AS SCHEDULED

BASE

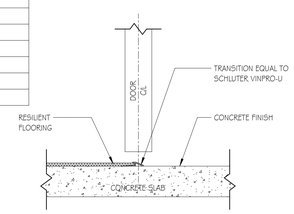
NUMBER	TYPE	DETAIL DESCRIPTION
RB-1	RUBBER BASE	MANUFACTURER: ROPPE STYLE NAME: PINNACLE-TYPE TS-1/8" COLOR: 193 BLACK BROWN INSTALLATION: CONTINUOUS LOCATION: THROUGHOUT
HTB-1	HARD TILE BASE	MANUFACTURER: SOUTH CYPRESS STYLE NAME: AMBIANCE COLOR: MUTE SIZE: 3" X 12" BULLNOSE LOCATION: AS SCHEDULED

WALL

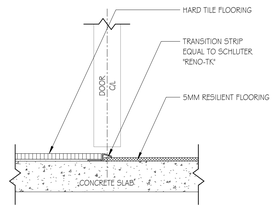
NUMBER	TYPE	DETAIL DESCRIPTION
PNT-1	[GENERAL/MAIN PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: WORLDLY GRAY FINISH: EGGSHELL
PNT-2	[TRIM PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: TAUPE TONE FINISH: SEMI-GLOSS
PNT-3	[MAIN CEILING/SOFFIT PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: HIGH REFLECTIVE WHITE FINISH: EGGSHELL
HTW-1	HARD WALL TILE	MANUFACTURER: SOUTH CYPRESS STYLE NAME: AMBIANCE COLOR: MUTE SIZE: 12" X 24" INSTALLATION: HORIZONTAL ASHLAR GROUT: TBD LOCATION: RESTROOMS, AS SCHEDULED
HTW-2	HARD WALL TILE	MANUFACTURER: SOUTH CYPRESS STYLE NAME: AMBIANCE - FLUTED COLOR: MUTE SIZE: 12" X 24" INSTALLATION: HORIZONTAL ASHLAR GROUT: TBD LOCATION: AS SCHEDULED
HTW-3	HARD WALL TILE	MANUFACTURER: TRINITY SURFACES STYLE NAME: 3 X 6 GLOSSY COLOR: SILVA DUNE SIZE: 3" X 6" INSTALLATION: VERTICAL STACKED GROUT: TBD LOCATION: RESTROOMS, AS SCHEDULED
BWV-1	BRICK WALL VENEER	MANUFACTURER: CHEROKEE BRICK COLOR: COBBLESTONE SIZE: QUS INSTALLATION: SAME AS EXTERIOR GROUT: SAME AS EXTERIOR LOCATION: AT FIREPLACE ONLY, AS SCHEDULED.

MISC

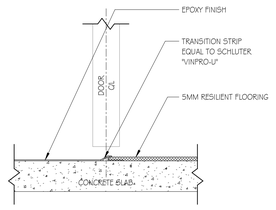
NUMBER	TYPE	DETAIL DESCRIPTION
PL-1	PLASTIC LAMINATE [TYP. FACE]	MANUFACTURER: FORMICA STYLE NAME: 9312-58 COLOR: PLANKED URBAN OAK LOCATION: AS SCHEDULED
PL-2	PLASTIC LAMINATE [TYP TOP]	MANUFACTURER: FORMICA STYLE NAME: 1097-58 COLOR: CITADEL - MATTE FINISH LOCATION: ALL INTERIOR DOORS
SS-1	SOLID SURFACE	MANUFACTURER: WILSONART COLOR: BEACHFRONT THICKNESS: 1/4" LOCATION: AS SCHEDULED
TP-1	TOILET PARTITIONS	MANUFACTURER: SCRANTON PRODUCTS STYLE NAME: HINY HIDERS COLOR: NICKEL IN HAMMERED LOCATION: GANG RESTROOMS ONLY



D7 09- RESILIENT TO CONCRETE
SCALE: 3" = 1'-0"

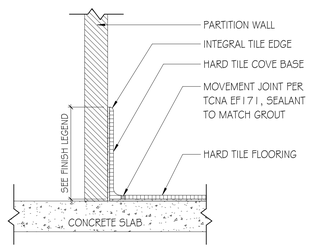


D9 09- HARD TILE TO 5MM RESILIENT
SCALE: 3" = 1'-0"

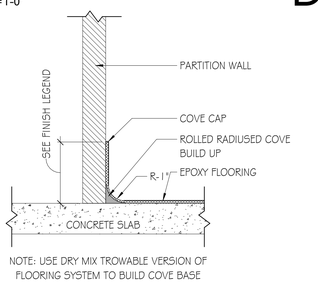


NOTE: IF EPOXY FINISH SYSTEM IS THICKER THAN 1/8", CHANGE TRANSITION DEPTH

D11 09- EPOXY TO 5MM RESILIENT
SCALE: 3" = 1'-0"



C7 09- COVE BASE - HARD TILE
SCALE: 3" = 1'-0"



NOTE: USE DRY MIX TROWABLE VERSION OF FLOORING SYSTEM TO BUILD COVE BASE

C9 09- COVE BASE - EPOXY
SCALE: 3" = 1'-0"

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6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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FINISH LEGEND & SCHEDULE

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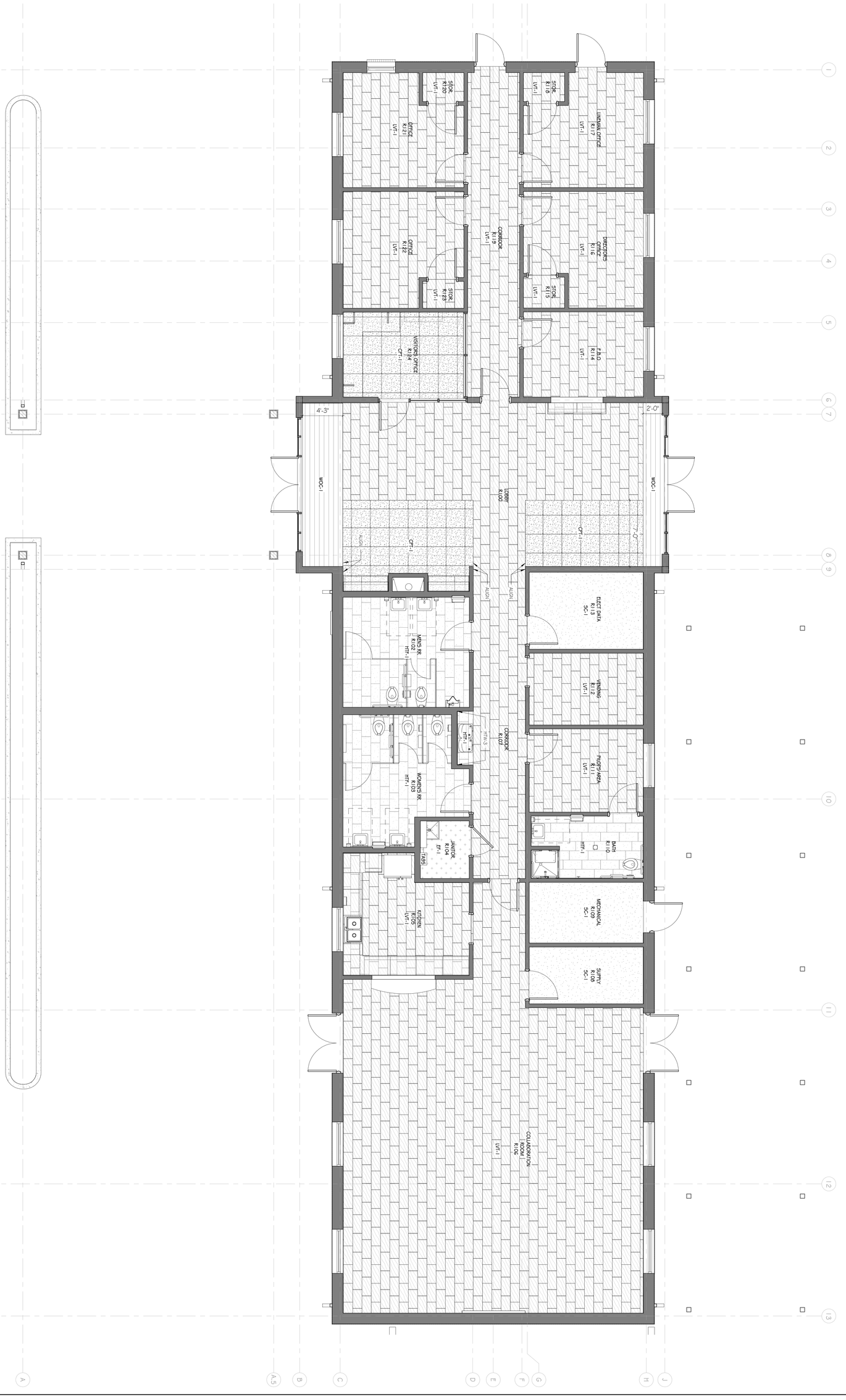
1 FINISH PLAN - LEVEL 1

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



FINISH PLAN

JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT

500 Sky Harbor Way, Jefferson, GA

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Atlanta, GA 30339
T 770.952.2481
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GENERAL

A. THE FOLLOWING NOTES APPLY TO ALL STRUCTURAL DRAWINGS. NOTES SHALL APPLY UNLESS OTHERWISE INDICATED BY STRUCTURAL DRAWINGS OR SPECIFICATIONS.

B. WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR PLAN NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL SIMILAR OR LIKE CONDITIONS UNLESS NOTED OTHERWISE.

C. ALL DESIGN AND CONSTRUCTION IS BASED ON AND SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2018 EDITION WITH ALL GA AMENDMENTS. ALL REFERENCED STANDARDS SHALL BE OF THE EFFECTIVE DATE NOTED IN THE CONTROLLING BUILDING CODE.

D. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONSTRUCTION DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, ENGINEER, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONSTRUCTION DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONSTRUCTION DOCUMENTS.

E. CONSTRUCTION DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE GENERAL CONTRACTOR.

F. CONSTRUCTION DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI OR OTHER STANDARDS. WHERE A CONFLICT OCCURS WITHIN THE CONSTRUCTION DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.

G. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND NOTIFY ARCHITECT/STRUCTURAL ENGINEER OF RECORD OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK. FOR DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.

H. DO NOT SCALE FOR DIMENSIONS NOT SHOWN ON DRAWINGS. SEND WRITTEN REQUEST FOR INFORMATION TO THE ARCHITECT FOR DIMENSIONS NOT PROVIDED.

I. THE STRUCTURE SHOWN ON THESE DRAWINGS IS SELF-SUPPORTING ONLY IN ITS COMPLETED FORM. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE DESIGN, ADEQUACY, SAFETY, AND STABILITY OF TEMPORARY ERECTION BRACING AND SHORING.

J. NO PROVISIONS HAVE BEEN MADE IN THE DESIGN FOR THE SUPPORT OF A CONCENTRATED LOAD FROM PLUMBING, MECHANICAL OR HVAC EXCEPT AS SHOWN ON THE DRAWINGS.

K. THE GENERAL CONTRACTOR SHALL COORDINATE ALL SIZES AND LOCATIONS OF FLOOR, ROOF, AND WALL PENETRATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. ALL PENETRATIONS NOT SHOWN ON STRUCTURAL DRAWINGS MUST BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD UNLESS NOTED OTHERWISE.

L. THE GENERAL CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS.

M. ELEVATIONS SHOWN ARE TO TOP OF FOUNDATIONS, SLABS OR STEEL BEAMS UNLESS NOTED OTHERWISE.

N. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ORDER TO COMPLY WITH THE CONSTRUCTION DOCUMENTS.

O. THE GENERAL CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE OSHA REGULATIONS.

P. ALL TESTING SHALL BE PAID FOR BY THE OWNER (CONTRACTOR SHALL COORDINATE WITH OWNER TO ENSURE THAT COST OF TESTING IS ACCURATE AND PRESENTED TO OWNER WITH CONSTRUCTION COSTS).

SHOP DRAWINGS AND DEFERRED SUBMITTALS

A. STRUCTURAL DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH SPECIFIED STANDARDS AND THE SPECIFIC REQUIREMENTS OF THIS PROJECT AS INDICATED IN THE CONSTRUCTION DOCUMENTS.

B. THE GENERAL CONTRACTOR SHALL SUBMIT, AS REQUIRED, PRINTS OR ELECTRONIC COPIES, AS DIRECTED, OF SHOP DRAWINGS FOR ALL FABRICATED MATERIALS TO ARCHITECT FOR REVIEW.

C. REVIEW OF SHOP DRAWINGS BY THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE GENERAL CONTRACTOR OF THE SOLE RESPONSIBILITY FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THOSE SHOP DRAWINGS.

D. REPRODUCTION/DUPLICATION OF THE STRUCTURAL DRAWINGS FOR USE IN THE PRODUCTION OF SHOP DRAWINGS IS PROHIBITED, UNLESS NOTED OTHERWISE. IN THE EVENT THAT THE GENERAL CONTRACTOR OR SUBCONTRACTOR ELECTS TO PRODUCE SHOP DRAWINGS BY COPYING ELECTRONIC OR PAPER COPIES OF THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL REQUEST FROM THE STRUCTURAL ENGINEER OF RECORD A SHOP DRAWING WAIVER ALONG WITH THE SPECIFIC SHEETS REQUIRED. SIGNATURE OF THE WAIVER BY THE GENERAL CONTRACTOR, ALONG WITH PAYMENT OF A FEE TO THE STRUCTURAL ENGINEER OF RECORD WILL BE REQUIRED. THE GENERAL CONTRACTOR SHALL CONTINUE TO ASSUME RESPONSIBILITY FOR ERRORS, OMISSIONS AND COORDINATION REQUIRED FOR SHOP DRAWING PRODUCTION, REGARDLESS OF THE USE OF COPIES OF THE STRUCTURAL DRAWINGS FOR SHOP DRAWING PRODUCTION.

E. THE STRUCTURAL ENGINEER OF RECORD HAS DELEGATED THE DESIGN OF SYSTEMS NOT SHOWN IN THE STRUCTURAL DRAWINGS. SUCH SYSTEMS SHALL BE CONSIDERED DEFERRED SUBMITTALS.

F. DEFERRED SUBMITTALS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER (STRUCTURAL ENGINEER WHERE REQUIRED BY JURESDICTION) LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. SUBMITTALS SHALL CLEARLY INDICATE ALL LOADS AND REACTIONS TO BE IMPOSED ON THE PRIMARY STRUCTURE. SUBMITTALS SHALL INCLUDE ALL COMPONENTS AND CONNECTIONS. WHERE CONTRACT DOCUMENTS INDICATE MEMBER OR CONNECTION QUALITIES AND/OR QUANTITIES, THESE SHALL BE CONSIDERED A MINIMUM AND REMAIN THE DESIGN RESPONSIBILITY OF THE COMPONENT ENGINEER TO INCREASE AS REQUIRED TO SATISFY LOAD AND DEFLECTION REQUIREMENTS. DEFERRED SUBMITTALS SHALL INCLUDE CALCULATIONS. BOTH THE CALCULATIONS AND THE SHOP DRAWINGS OF THE DEFERRED SUBMITTAL SHALL BE SEALED PRIOR TO SUBMISSION.

G. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION AFTER APPROVAL BY THE CONTRACTOR.

H. THE FOLLOWING SHALL BE CONSIDERED DEFERRED SUBMITTALS ON THIS PROJECT (REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION):
- STEEL CONNECTIONS
- COLD-FORMED STEEL FRAMING
- PRE-ENGINEERED COLD-FORMED STEEL TRUSSES
- SEISMIC DESIGN AND ANCHORAGE OF NON-STRUCTURAL COMPONENTS
- ALUMINUM CANOPIES
- GLAZING SYSTEMS

I. COMPONENTS ATTACHED TO THE BUILDING STRUCTURE (GLAZING, CLADDING, STAIRS, ETC.) SHALL BE DESIGNED AND DETAILED TO ACCOMMODATE AN INELASTIC SEISMIC STORY DRIFT OF 0.02H, WHERE H IS THE STORY HEIGHT IN INCHES. MORE REFINED STORY DRIFTS CAN BE PROVIDED UPON REQUEST.

SPECIAL INSPECTIONS

A. SPECIAL INSPECTIONS ARE REQUIRED IN ADDITION TO THE INSPECTIONS SPECIFIED IN SECTION 110 OF THE BUILDING CODE.

B. ALL SPECIAL INSPECTIONS SHALL BE IN ACCORDANCE WITH DIVISION 01 SPECIFICATIONS.

SEISMIC DESIGN OF NON-STRUCTURAL COMPONENTS

A. ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS, INCLUDING THEIR SUPPORT AND ATTACHMENTS, SHALL BE DESIGNED TO RESIST SEISMIC FORCES IN ACCORDANCE WITH IBC CHAPTER 16, ASCE7 CHAPTER 13, AND ANY ADDITIONAL REQUIREMENTS OF THE STATE OR LOCAL JURISDICTION. THESE REQUIREMENTS SHALL BE SATISFIED BY:
1. PROJECT-SPECIFIC DESIGN AND DOCUMENTATION PREPARED AND SUBMITTED BY A REGISTERED DESIGN PROFESSIONAL IN THE STATE IN WHICH THE PROJECT IS LOCATED.
2. SUBMITTAL OF MANUFACTURER'S CERTIFICATION THAT THE COMPONENT IS SEISMICALLY QUALIFIED BY ANALYSIS, TESTING IN ACCORDANCE WITH SECTION 13.2.5, OR EXPERIENCE DATA IN ACCORDANCE WITH SECTION 13.2.6.

B. SEISMIC BRACING OF ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS NOT SPECIFICALLY SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL IN THE STATE IN WHICH THE PROJECT IS LOCATED.

C. ARCHITECTURAL COMPONENTS REQUIRING SEISMIC DESIGN AND DETAILING INCLUDE, BUT ARE NOT LIMITED TO, ACCESS FLOORS, CLADDING, GLAZING, PARTIAL HEIGHT INTERIOR WALLS, HANGING PARTITIONS, SUSPENDED CEILINGS, AND INTERIOR/EXTERIOR VENEER.

D. MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS REQUIRING SEISMIC DESIGN AND DETAILING INCLUDE, BUT ARE NOT LIMITED TO, DUCTS, LIGHT FIXTURES, PIPING SYSTEMS, ROOF TOP UNITS, AND OTHER EQUIPMENT SUPPORTED BY OR SUSPENDED FROM FLOORS OR ROOFS.

E. ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS CROSSING BUILDING EXPANSION JOINTS SHALL BE DETAILED IN ORDER TO ACCOMMODATE THE ANTICIPATED SEISMIC RELATIVE DISPLACEMENTS ACROSS THE JOINT.

WIND DESIGN OF NON-STRUCTURAL COMPONENTS

A. REFER TO THE WIND COMPONENTS AND CLADDING SCHEDULE ON SHEET XXX FOR WIND PRESSURES TO BE USED FOR THE DESIGN OF EXTERIOR COMPONENT AND CLADDING MATERIALS NOT SPECIFICALLY DESIGNED BY THE STRUCTURAL ENGINEER OF RECORD.

SOILS, SHALLOW FOUNDATIONS, & RETAINING WALLS

A. THE SITE SHALL BE PREPARED IN ACCORDANCE WITH SPECIFICATIONS AND THE CIVIL DRAWINGS. THE STRUCTURAL DESIGN IS BASED ON RECOMMENDATIONS CONTAINED IN THE REPORT OF SUBSURFACE INVESTIGATION BY GMC GEOTECHNICAL DIVISION NO. GATL220011 DATED AUGUST 25, 2022 WITH ADDENDUM DATED OCTOBER 10, 2023. THE GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THE REPORT AND REVIEW THE RECOMMENDATIONS AND REQUIREMENTS INCLUDED THEREIN FOR THE SELECTED FOUNDATION SYSTEM IN THE CONSTRUCTION DOCUMENTS. A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERIFY ALL ASSUMPTIONS AND REPORT TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD ANY VARIATIONS.

B. DESIGN SOIL BEARING PRESSURE IS 2000 PSF.

C. DESIGN SOIL LATERAL PRESSURES ON STRUCTURE ARE DUE TO THE FOLLOWING EQUIVALENT FLUID DENSITIES:
1. AT REST CONDITION: 56 PCF
2. ACTIVE CONDITION: 37 PCF
3. PASSIVE CONDITION: 195 PCF
4. COEFFICIENT OF FRICTION FOR SLIDING: 0.35

D. ALL EXCAVATIONS AND GRADES PREPARED FOR BEARING SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER TO VERIFY THE DESIGN ASSUMPTIONS AND REPORT NONCONFORMING CONDITIONS. AS INDICATED IN THE GEOTECHNICAL REPORT, FOUNDATIONS SHALL BEAR ON RESIDUAL STIFF SILTS OR CLAYS, OR PROPERLY COMPACTED STRUCTURAL FILL MATERIAL. EXISTING SOFT TO MEDIUM SOILS IN THE UPPER 2FT TO 5 FT OF EXISTING GRADE ARE CONSIDERED UNSUITABLE FOR FOUNDATION BEARING. AND WILL REQUIRE UNDERCUTTING AND REPLACEMENT WITH PROPERLY COMPACTED STRUCTURAL FILL. EXACT LOCATIONS AND EXTENT OF SOIL REMEDIATION SHALL BE DETERMINED DURING CONSTRUCTION BY A GEOTECHNICAL ENGINEER.

E. WHERE FILL IS REQUIRED, IT SHALL BE SELECTED AND PLACED IN ACCORDANCE WITH INSTRUCTIONS OF A QUALIFIED GEOTECHNICAL ENGINEER TO MAINTAIN DESIGN BEARING PRESSURE.

F. FROST DEPTH FOR THIS PROJECT IS 18" BELOW GRADE. FINISHED GRADE SHALL BE MAINTAINED A MINIMUM OF 18" ABOVE BOTTOM OF FOUNDATIONS.

G. TOP OF FOOTING ELEVATIONS PROVIDED ON CONSTRUCTION DRAWINGS ARE FOR PURPOSES OF DESIGN. NOTIFY THE STRUCTURAL ENGINEER OF RECORD IF TOP OF FOOTING ELEVATIONS NEED TO BE ADJUSTED BASED ON CONTRACTOR'S FIELD COORDINATION.
1. GENERAL CONTRACTOR SHALL COORDINATE REQUIRED ADJUSTMENT OF FOOTING ELEVATIONS TO AVOID INFLUENCE BETWEEN FOUNDATIONS AND BURIED UTILITIES. ALL REQUIRED ADJUSTMENTS SHALL BE FORWARDED TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW. SEE "TYPICAL TRENCH ADJACENT TO FOOTING" DETAIL.

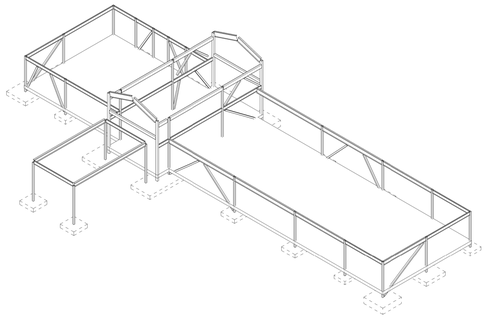
H. DO NOT EMBED PIPING WITHIN OR PASS PIPING VERTICALLY OR HORIZONTALLY THROUGH FOUNDATIONS WITHOUT REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD. PIPING MAY PASS BELOW CONTINUOUS FOOTINGS WHERE INSTALLED IN ACCORDANCE WITH "TYPICAL PIPE UNDER FOOTING" DETAIL.

I. FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES UNLESS NOTED OTHERWISE.

DESIGN LOADS

DESIGN ROOF DEAD LOAD:	
20 PSF (TYPICAL)	
DESIGN ROOF LIVE LOAD:	
20 PSF REDUCTIONS APPLIED PER TRIBUTARY AREA AS PERMITTED BY CODE	
DESIGN ROOF RAIN LOAD:	
DESIGN RAIN INTENSITY (100 YEAR, 1-HOUR RAINFALL)	3.13 "/HR
DESIGN FLOOR LIVE LOAD:	
125 PSF SLAB-ON-GROUND	
DESIGN SNOW LOAD:	
GROUND SNOW LOAD, Pg	5 PSF
FLAT ROOF SNOW LOAD, Pf	5 PSF
FLAT ROOF SNOW LOAD, Pf (CANOPIES & PORTE COCHERE)	5 PSF
SNOW EXPOSURE FACTOR, Ce	0.9
SNOW IMPORTANCE FACTOR, Is	1.0
SNOW THERMAL FACTOR (TYPICAL), Ct	1.00
SNOW THERMAL FACTOR (CANOPIES & PORTE COCHERE), Ct	1.20
DESIGN WIND LOAD:	
ULTIMATE DESIGN WIND SPEED (3 SECOND GUST), Vult	107 MPH
NOMINAL DESIGN WIND SPEED, Vasd	83 MPH
RISK CATEGORY	II
WIND EXPOSURE CATEGORY	C
COMPONENTS AND CLADDING WIND PRESSURE	SEE SCHEDULE
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
DESIGN SEISMIC LOAD:	
RISK CATEGORY	II
MAPPED SPECTRAL RESPONSE COEFFICIENT, Ss	0.205
MAPPED SPECTRAL RESPONSE COEFFICIENT,S1	0.087
DESIGN SPECTRAL RESPONSE COEFFICIENT, Sds	0.219
DESIGN SPECTRAL RESPONSE COEFFICIENT, Sd1	0.139
SITE CLASS (AS DETERMINED BY GEOTECHNICAL INVESTIGATION)	D
BASIC SEISMIC-FORCE RESISTING SYSTEM	
STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCLUDING CANTILEVER COLUMN SYSTEMS	
RESPONSE MODIFICATION FACTOR, R	3.0
DESIGN BASE SHEAR, V	13.7 K
DESIGN BASE SHEAR, V (PORTE COCHERE)	1.5 K
ANALYSIS PROCEDURE:	
EQUIVALENT LATERAL FORCE (ASCE 7, SECTION 12.8)	
SEISMIC DESIGN CATEGORY	C
SEISMIC IMPORTANCE FACTOR, Ie	1.00
SEISMIC RESPONSE COEFFICIENT, Cs	0.072

NOTES:
1. NO PROVISIONS HAVE BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

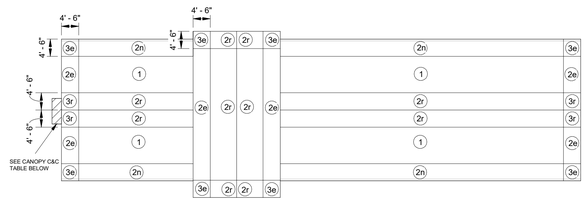


3D - ISOMETRIC VIEW (1 / S0.01)
FOR REFERENCE ONLY

BUILDING COMPONENTS & CLADDING EXTERNAL PRESSURE LOADS (PSF)

IBC 2018: LOCATION PER ASCE 7-16: FIGURE 30.3-1 & 30.3-2A

EFFECTIVE WIND AREA (FT2)	ROOF				ROOF OVERHANGS				WALLS		
	ALL ROOF ZONES	1, 2e	2n,2r, 3e	3r	1, 2e	2n,2r	3e	3r	ALL WALL ZONES	4	5
<10	16.0	-46.1	-67.3	-79.9	-56.7	-77.8	-90.5	-103.2	25.0	-27.1	-33.4
20	16.0	-46.1	-58.1	-68.5	-56.7	-71.0	-78.7	-87.9	23.8	-25.9	-31.2
50	16.0	-28.0	-46.1	-53.3	-44.6	-62.0	-63.0	-67.7	22.3	-24.5	-28.2
>100	16.0	-16.0	-37.0	-41.9	-35.5	-55.1	-51.2	-52.4	21.2	-23.3	-25.9
>500	16.0	-16.0	-25.0	-41.9	-35.5	-46.1	-35.5	-52.4	18.6	-20.7	-20.7

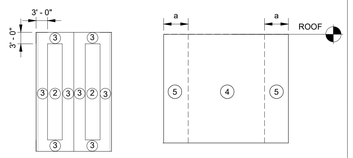


ROOF PLAN (MAIN BUILDING)

OPEN PORTE COCHERE PRESSURES (PSF)

IBC 2018: LOCATION PER ASCE 7-16: FIGURE 30.7

EFFECTIVE WIND AREA (FT2)	ZONE 1	ZONE 2	ZONE 3
<9 FT^2	20.5	31.6	41.0
	-19.1	-29.5	-38.1
9FT^2-30FT^2	20.5	31.6	31.6
	-19.1	-29.5	-29.5
>36 FT^2	20.5	20.5	20.5
	-19.1	-19.1	-19.1



ROOF PLAN (PORTE COCHERE)

WALL ELEVATION

	CANOPY C&C PRESSURES (PSF)					
	Net Pressures		Top Surface		Bottom Surface	
Area	Down	Uplift	+	-	+	-
10	19.1	-19.1	17	-24.4	17	-17
20	17.8	-17.8	16	-21.8	16	-16
50	16.1	-16.1	16	-18.5	16	-16
100	16	-16	16	-16	16	-16

NOTES:
1 a = 4'-6" (MAIN BUILDING); a = 3'-0" (PORTE COCHERE). SEE ASSOCIATED ROOF PLAN MAP FOR LOCATION OF a-ZONES. WALL a-ZONE LOCATIONS TO MATCH ROOF a-ZONES.

2 POSITIVE PRESSURE VALUES REFER TO FORCES ACTING TOWARDS BUILDING OR COMPONENT FACE, NEGATIVE PRESSURE VALUES REFER TO FORCES ACTING AWAY FROM BUILDING OR COMPONENT FACE.

3 EACH COMPONENT AND ITS CONNECTION SHALL BE DESIGNED FOR MAXIMUM POSITIVE AND NEGATIVE FORCES.

4 FOR COMPONENTS HAVING EFFECTIVE AREAS IN BETWEEN TABULATED VALUES, DESIGN LOADS MAY BE INTERPOLATED. OTHERWISE DESIGN LOAD SHALL BE TAKEN FROM THE NEXT LOWEST TABULATED EFFECTIVE AREA.

5 DESIGN VALUES SHOWN IN THIS TABLE ARE ULTIMATE VALUES FOR USE WITH LRFD DESIGN. VALUES MAY BE MULTIPLIED BY 0.6 FOR USE WITH SERVICE LEVEL OR ASD DESIGN. REFER TO THE BUILDING CODE FOR APPLICABLE LOAD COMBINATIONS.

ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE	**KLF**	KIPS PER LINEAL FOOT
ADDL	ADDITIONAL	**KSI**	KIPS PER SQUARE INCH
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	**KSF**	KIPS PER SQUARE FOOT
AFF	ABOVE FINISHED FLOOR	**L**	LENGTH
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	**LFH**	LONG FACE HORIZONTAL
AISI	AMERICAN IRON AND STEEL INSTITUTE	**LFV**	LONG FACE VERTICAL
ALTN	ALTERNATE	**LG**	LONG
AR	ANCHOR ROD	**LL**	LIVE LOAD
ARCH	ARCHITECT	**LLH**	LONG LEG HORIZONTAL
ASD	ALLOWABLE STRESS DESIGN	**LLV**	LONG LEG VERTICAL
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS	**LW**	LOW
AWS	AMERICAN WELDING SOCIETY	**LOCS**	LOCATIONS
B/	BOTTOM OF	**LRFD**	LOAD RESISTANCE FACTORED DESIGN
BD	BOARD	**LSH**	LONG SIDE HORIZONTAL
BETW	BETWEEN	**LSV**	LONG SIDE VERTICAL
BLDG	BUILDING	**LW**	LONG WAY
BM	BEAM	**LWC**	LIGHT WEIGHT CONCRETE
BOT	BOTTOM	**MAX**	MAXIMUM
BP	BASE PLATE	**MEP**	MECHANICAL, ELECTRICAL & PLUMBING
BRDG	BRIDGING	**MEZZ**	MEZZANINE
BRG	BEARING	**MFR**	MANUFACTURER
C/C	CENTER-CENTER	**MIN**	MINIMUM
CFSF	COLD FORMED STEEL FRAMING	**MISC**	MISCELLANEOUS
CJ	CONTROL JOINT	**MPII**	MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS
CL	CENTERLINE	**MTL**	METAL
CLR	CLEAR	**NIC**	NOT IN CONTRACT
CMU	CONCRETE MASONRY UNIT	**NS**	NEAR SIDE
COL	COLUMN	**NTS**	NOT TO SCALE
CONC	CONCRETE	**OC**	ON CENTER
CONN	CONNECTION	**OD**	OUTSIDE DIAMETER
CONT	CONTINUOUS	**OH**	OPPOSITE HAND
CTR	CENTER	**OPEN**	OPENING
D	DEEP	**PAF**	POWDER ACTUATED FASTENERS
DBA	DEFORMED BAR ANCHOR	**PEMB**	PRE-ENGINEERED METAL BUILDING
DBL	DOUBLE	**PJF**	PREFORMED JOINT FILLER
DEP	DEPRESSED	**PL**	PLATE
DIA	DIAMETER	**PLF**	POUNDS PER LINEAL FOOT
DIAG	DIAGONAL	**PPHCC**	PRESTRESSED PRECAST HOLLOW CORE CONCRETE
DL	DEAD LOAD	**PREFAB**	PRE-FABRICATED
DWL	DOWEL	**PSI**	POUNDS PER SQUARE INCH
DN	DOWN	**PSF**	POUNDS PER SQUARE FOOT
EA	EACH	**PT**	POST TENSIONED
EF	EACH FACE	**P.T.**	PRESSURE TREATED
EJ	EXPANSION JOINT	**QTY**	QUANTITY
ELEV	ELEVATION	**RAD**	RADIUS
ENG	ENGINEER OR ENGINEERING	**RD**	ROOF DRAIN
EOS	EDGE OF SLAB	**REF**	REFERENCE
EQ	EQUAL	**REINF**	REINFORCING
EW	EACH WAY	**REQD**	REQUIRED
EXIST	EXISTING	**REV**	REVISION
EXP	EXPANSION	**RTU**	ROOF TOP UNIT
EXT	EXTERIOR	**SCHED**	SCHEDULE
F/	FACE OF	**SER**	STRUCTURAL ENGINEER OF RECORD
FD	FLOOR DRAIN	**SF**	SQUARE FOOT
FDN	FOUNDATION	**SHTHG**	SHEATHING
FF	FINISH FLOOR	**SIM**	SIMILAR
FLR	FLOOR	**SLH**	SHORT LEG HORIZONTAL
FRT	FIRE RETARDANT TIMBER	**SLV**	SHORT LEG VERTICAL
FS	FAR SIDE	**SPA**	SPACES
FTG	FOOTING	**SPEC**	SPECIFICATION
FV	FIELD VERIFY	**SS**	STAINLESS STEEL
GA	GAUGE, GAGE	**STD**	STANDARD
GALV	GALVANIZED	**STIFF**	STIFFENER
GC	GENERAL CONTRACTOR	**STL**	STEEL
GDR	GIRDER	**SW**	SHORT WAY
GENL	GENERAL	**SYM**	SYMMETRICAL
GYP	GYPSUM	**T/**	TOP OF
HCA	HEADED CONCRETE ANCHORS	**T&B**	TOP & BOTTOM
HDR	HEADER	**T&G**	TONGUE & GROOVE
HG	HIP GIRDER	**TEMP**	TEMPORARY
HGR	HANGER	**TG**	TRUSS GIRDER
HI	HIGH	**THK**	THICKENED/THICK
HKD	HOOKED	**THRU**	THROUGH
HORIZ	HORIZONTAL	**TYP**	TYPICAL
HSS	HOLLOW STRUCTURAL SECTION	**UNO**	UNLESS NOTED OTHERWISE
H.T.	HEAVY TIMBER	**VERT**	VERTICAL
ID	INSIDE DIAMETER	**W**	WIDE
IE	INVERT ELEVATION	**WITH**	WITH
INSUL	INSULATION OR INSULATING	**WO**	WITHOUT
INT	INTERIOR	**WD**	WOOD
JST	JOIST	**WP**	WORK POINT
JT	JOINT	**WWR**	WELDED WIRE REINFORCEMENT
K	KIPS (KILOPOUNDS)		

STRUCTURAL SHEET LIST

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE | DATE
DESIGN DEVELOPMENT | 11/06/2023
CONSTRUCTION DOCUMENTS | 01/29/2024
DRAWN BY: NTV
CHECKED BY: EMS

JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

GEORGIA REGISTERED No. 35000203 STRUCTURAL ENGINEER MISHA ELLPLANER
1/29/2024

GENERAL NOTES & SCHEDULES

S0.01

PES STRUCTURAL ENGINEERS
ADDRESS 1852 Century Place NE, Suite 201, Atlanta, Georgia 30345
PHONE 770.457.5923 FAX 770.457.9989 WEB www.pesengineers.com
PES PROJECT NUMBER:0230397
PES GEORGIA COA NUMBER: PEF000799
EXPIRATION DATE: 06/30/2024

1/29/2024 4:52:04 PM TEMPLATE VERSION: 2022.1

CONCRETE

A. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH DIVISION 03 SPECIFICATIONS.
B. COORDINATE CONCRETE MIXTURES WITH THE SCHEDULE ON THIS SHEET.
C. THE GENERAL CONTRACTOR SHALL SUBMIT TO STRUCTURAL ENGINEER OF RECORD PROPOSED CONSTRUCTION JOINT LOCATIONS FOR APPROVAL. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWINGS. WHERE NEW CONCRETE IS TO BE POURED ONTO EXISTING CONCRETE, BONDING IS REQUIRED AS NOTED IN ACI 301.
D. THE FOLLOWING CRITERIA REGARDING PIPES AND CONDUITS EMBEDDED IN CONCRETE SHALL BE ADHERED TO (SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATION OF SLEEVES, PIPES, CONDUIT, ACCESSORIES, ETC). THIS CRITERIA WILL BE STRICTLY ENFORCED.
   1. CONDUITS, PIPES, AND SLEEVES OF ANY MATERIAL NOT HARMFUL TO CONCRETE SHALL BE PERMITTED TO BE EMBEDDED IN CONCRETE WITH THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
   2. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE.
   3. CONDUITS, PIPES, AND SLEEVES PASSING THROUGH A SLAB, WALL, OR BEAM SHALL NOT SIGNIFICANTLY IMPAIR THE STRENGTH OF THE CONSTRUCTION.
   4. CONDUITS AND PIPES SHALL NOT BE LARGER IN OUTSIDE DIAMETER THAN 1/3 THE OVERALL THICKNESS OF THE SLAB, WALL, OR BEAM IN WHICH THEY ARE EMBEDDED.
   5. CONDUITS AND PIPES SHALL NOT BE SPACED CLOSER THAN 3 DIAMETERS OR WIDTHS ON CENTER. CONCRETE COVER FOR PIPES, CONDUITS AND FITTINGS SHALL NOT BE LESS THAN 1 1/2" FOR CONCRETE EXPOSED TO EARTH OR WEATHER, NOR 3/4" FOR CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR IN CONTACT WITH GROUND.
   6. CONDUITS AND PIPES SHALL BE PLACED BETWEEN TOP AND BOTTOM SLAB REINFORCEMENT. CONDUITS AND PIPES SHALL BE PLACED IN THE MIDDLE THIRD OF THE SLAB OR WALL THICKNESS UNLESS NOTED OTHERWISE.
   7. CONDUITS AND PIPES SHALL BE SO FABRICATED AND INSTALLED THAT CUTTING, BENDING, OR DISPLACEMENT OF REINFORCEMENT FROM ITS PROPER LOCATION WILL NOT BE REQUIRED.
   8. CONDUITS AND PIPES, WITH FITTINGS, EMBEDDED WITHIN A COLUMN SHALL NOT DISPLACE MORE THAN 4 PERCENT OF THE AREA OF CROSS SECTION NOTED ON DRAWINGS OR AS REQUIRED BY FIRE PROTECTION.
   9. PIPES AND FITTINGS SHALL BE DESIGNED TO RESIST EFFECTS OF MATERIAL, PRESSURE AND TEMPERATURE TO WHICH THEY WILL BE SUBJECTED.
   10. REINFORCEMENT WITH AN AREA NOT LESS THAN 0.002 TIMES THE AREA OF CONCRETE SECTION SHALL BE PROVIDED NORMAL TO PIPING. THIS REINFORCEMENT SHALL BE IN ADDITION TO REINFORCEMENT NOTED ON DRAWINGS.
   11. REFER TO ACI 318, SECTION 6.3 FOR ADDITIONAL REQUIREMENTS FOR CONDUITS AND PIPES EMBEDDED IN CONCRETE.
E. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR DRIPS, CHAMFERS, REGLETS, SLOTS, SLEEVES, RUSTICATIONS, INSERTS ANCHORS AND OTHER EMBEDDED ITEMS NOT NOTED ON STRUCTURAL DRAWINGS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PLACING ALL EMBEDDED ITEMS SHOWN ON DRAWINGS & ADDITIONAL ITEMS NOTED IN THIS NOTE, AS REQUIRED BY OTHER TRADES. UNLESS SHOWN ON STRUCTURAL DRAWINGS, NO OPENINGS LARGER THAN 12"x12" SHALL BE PLACED IN SLABS OR WALLS. FOR OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS, APPROVALS MUST BE OBTAINED FROM THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION OF STEEL AND PLACEMENT OF CONCRETE. SHOW ALL OPENINGS AND SLEEVES ON THE SHOP DRAWINGS.
F. CORING OF SLABS AND USE OF DRILLED ANCHORS IS NOT PERMITTED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD. IF APPROVED, COORDINATE ANCHOR LOCATIONS SO THAT NO CONTACT IS MADE WITH ANY REINFORCING OR PT TENDONS.
G. POWDER ACTUATED FASTENERS (OR POWDER DRIVEN FASTENERS) SHALL BE ANCHORED IN CONCRETE WITH MINIMUM FASTENER SPACING OF 3" AND MINIMUM EDGE DISTANCE OF 2".

SLAB-ON-GRADE

A. CONCRETE SLAB CONTROL JOINTS SHALL BE CUT INTO THE SLABS AT A DEPTH OF 1/3 TIMES THE THICKNESS OF THE SLAB FOR FIBER REINFORCED SLABS, 1/4 TIMES THE THICKNESS OF THE SLAB FOR ALL OTHER SLABS USING CONVENTIONAL WET-CUT SAW, AND 1/5 TIMES THE THICKNESS OF THE SLAB FOR ALL OTHER SLABS USING EARLY-ENTRY DRY-CUT SAW. SLAB SHALL BE SAWCUT WITHIN 4 HOURS OF CONCRETE PLACEMENT USING EARLY-ENTRY DRY-CUT SAW OR WITHIN 12 HOURS USING WET-CUT SAW. MAXIMUM SPACING OF INTERIOR SLAB CONTROL JOINTS, UNLESS NOTED OTHERWISE, SHALL BE PER THE TYPICAL CONTROL JOINT KEY PLAN, OR AS SHOWN ON THE CONSTRUCTION DRAWINGS.
B. SLAB CONSTRUCTION JOINTS SHALL BE USED IN PLACE OF CONTROL JOINTS WHERE NEEDED TO INTERRUPT A CONTINUOUS POUR.
C. PLACEMENT OF WELDED WIRE REINFORCEMENT IN SLAB, WHERE SPECIFIED, SHALL BE AT A CONSISTENT DEPTH OF 1 1/2" FROM T/SLAB. WELDED WIRE REINFORCEMENT SHALL BE PROPERLY CHAIRED ABOVE GRADE.
D. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DOCUMENTS FOR SLAB FINISHES, SLAB DEPRESSIONS, THICKENED SLABS (IN ADDITION TO THICKENED SLABS NOTED ON STRUCTURAL DRAWINGS), ELEVATIONS, AND ENCASED OR EMBEDDED ITEMS.
E. PLUMBING AND ELECTRICAL CONDUITS SHALL BE PLACED BELOW THE SLAB AND NOT WITHIN THE SLAB. VERTICAL PENETRATIONS ARE ALLOWED.
F. COLUMN BOX-OUTS SHALL BE USED TO ISOLATE AN ADEQUATE AREA AROUND COLUMN BASE PLATES TO PROVIDE FOR COLUMN PLACEMENT AND LEVELING. BOX-OUTS ARE TO BE CLEAN AND FREE OF DEBRIS TO TOP OF FOOTING PRIOR TO FILLING WITH CONCRETE.

REINFORCING STEEL

A. REINFORCING STEEL AND ACCESSORIES WORK SHALL BE IN ACCORDANCE WITH DIVISION 03 SPECIFICATIONS.
B. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY THE GENERAL CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD.
C. LONGITUDINAL REINFORCING BARS IN FOOTINGS SHALL BE PLACED CONTINUOUS AT CORNERS AND INTERSECTIONS.
D. FOR EVERY VERTICAL OR HORIZONTAL BAR DISCONTINUED BY AN OPENING, ONE BAR (MIN. OF 2 BARS) SHALL BE ADDED AT SIDE OF OPENING (HALF TO EACH SIDE - TYPICAL).
E. PROVIDE DOWELS FROM FOUNDATIONS, THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.

CAST-IN-PLACE CONCRETE (NONPRESTRESSED) CLEAR COVER SCHEDULE

	CONCRETE COVER
CONCRETE CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	3 IN
CONCRETE IN CONTACT WITH GROUND OR WEATHER:	
#6 THROUGH #18 BARS	2 IN
#5 BAR, W31 OR D31 WIRE, AND SMALLER	1 1/2 IN
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS:	
#14 AND #18 BARS	1 1/2 IN
#11 BAR AND SMALLER	3/4 IN
BEAMS, COLUMNS:	
PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1 1/2 IN

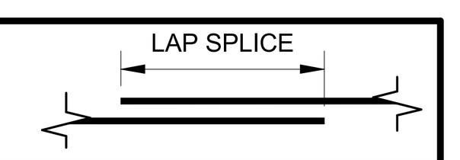
POST-INSTALLED ANCHORS SPECIFIED PRODUCTS BY APPLICATION

ANCHOR TYPE		CONCRETE	CONCRETE MASONRY
MECHANICAL	EXPANSION ANCHORS/ EXPANSION BOLTS	HILTI KWIK BOLT TZ2 SIMPSON STRONG-BOLT 2 DEWALT POWER-STUD+ SD2	HILTI KWIK BOLT 1 SIMPSON STRONG-BOLT 2 DEWALT POWER-STUD+ SD1
MECHANICAL	SCREW ANCHORS	HILTI HUS-EZ SIMPSON TITEN HD DEWALT SCREW-BOLT+	HILTI HUS-EZ SIMPSON TITEN HD DEWALT SCREW-BOLT+
MECHANICAL	LIGHT DUTY SCREW ANCHORS	HILTI KWIK-CON II+ SIMPSON TITEN 2 DEWALT ULTRACON+	HILTI KWIK-CON II+ SIMPSON TITEN 2 DEWALT ULTRACON+
ADHESIVE	ADHESIVE ANCHORS (EPOXY ANCHORS) WITH A36 ALL-THREAD ROD	HILTI HIT-HY200V3 OR RE500V3 SIMPSON SET-3G DEWALT PURE110+	HILTI HIT-HY270 SIMPSON SET-XP DEWALT AC100+ GOLD
ADHESIVE	ADHESIVE ANCHORS (EPOXY ANCHORS) WITH REBAR	HILTI HIT-HY200V3 OR RE500V3 SIMPSON SET-3G DEWALT PURE110+	

NOTES:

1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE GENERAL CONTRACTOR SHALL OBTAIN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USING POST INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING REINFORCING. HOLES SHALL BE DRILLED AND CLEANED PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.
2. SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE SPECIFIED, SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD WITH CALCULATIONS THAT ARE PREPARED AND SEALED BY A REGISTERED DESIGN PROFESSIONAL IN THE STATE IN WHICH THE PROJECT IS LOCATED SHOWING THAT THE SUBSTITUTED PRODUCT WILL ACHIEVE AN EQUIVALENT CAPACITY USING THE APPROPRIATE DESIGN PROCEDURE REQUIRED BY THE REFERENCED BUILDING CODE.
3. ALTERNATE PRODUCTS SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD FOR APPROVAL SHALL HAVE A VALID RESEARCH REPORT, ALSO KNOWN AS EVALUATION REPORT, INDICATING COMPLIANCE WITH APPROPRIATE ACCEPTANCE CRITERIA REQUIRED BY THE BUILDING CODE FOR THE INTENDED LOAD TYPE AND USE (E.G. WIND, SEISMIC, SUSTAINED TENSION, ETC). RESEARCH REPORTS SHALL BE ISSUED BY A SOURCE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
4. ADHESIVE ANCHOR DESIGN TEMPERATURE RANGE IS 110*F (LONG TERM) AND 130*F (SHORT TERM).
5. IN ADDITION TO THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, THE FOLLOWING GUIDELINES SHALL BE FOLLOWED FOR INSTALLATION OF ADHESIVE ANCHORS:
   1. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION.
   2. ADHESIVE ANCHORS SHALL BE INSTALLED IN DRY CONCRETE, AND DURING DRY CONDITIONS.
   3. ADHESIVE ANCHORS SHALL BE INSTALLED IN HOLES PREDRILLED WITH A CARBIDE TIPPED DRILL BIT.
   4. ADHESIVE ANCHORS SHALL BE INSTALLED WITHIN THE TEMPERATURE RANGE SPECIFIED IN THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, BUT NOT OUTSIDE OF THE DESIGN TEMPERATURE RANGE. LOADS SHALL NOT BE APPLIED TO ADHESIVE ANCHORS UNTIL THE FULL CURING TIME ASSOCIATED WITH THE INSTALLATION TEMPERATURE HAS ELAPSED.
6. INSTALLATION OF ADHESIVE ANCHORS SHALL BE PERFORMED BY CERTIFIED PERSONNEL. CERTIFICATION SHALL INCLUDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT.
7. SPECIAL INSPECTIONS SHALL BE PROVIDED FOR POST-INSTALLED ANCHORS IN ACCORDANCE WITH THE ANCHOR MPII AND/OR EVALUATION REPORT, UNLESS MORE SPECIFIC REQUIREMENTS ARE SPECIFIED IN THE CONSTRUCTION DOCUMENTS.
8. WHEN ANCHORING TO CONCRETE MASONRY WITH VOIDS, THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER

CLASS B TENSION LAP SPLICE LENGTHS (ACI 318)



F'c = 3000 PSI

BAR SIZE	TOP BARS CASE 1	TOP BARS CASE 2	OTHER BARS CASE 1	OTHER BARS CASE 2
#3	28	42	21	32
#4	37	56	28	43
#5	46	69	36	53
#6	56	83	43	64
#7	81	131	62	93
#8	93	139	71	107
#9	104	157	80	120
#10	118	176	90	136
#11	131	196	100	151

F'c = 4000 PSI

BAR SIZE	TOP BARS CASE 1	TOP BARS CASE 2	OTHER BARS CASE 1	OTHER BARS CASE 2
#3	24	36	18	28
#4	32	48	25	37
#5	40	60	31	46
#6	48	72	37	55
#7	70	105	54	81
#8	80	120	62	92
#9	90	136	70	104
#10	102	153	78	117
#11	113	170	87	130

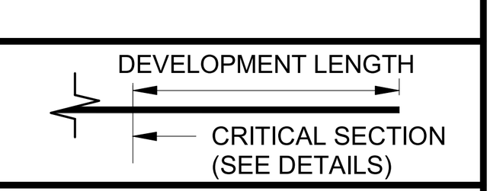
NOTES

1. TABULATED VALUES ARE BASED ON MINIMUM YIELD STRENGTH OF 60 KSI. LENGTHS ARE IN INCHES.
2. CASE 1 AND CASE 2 DEPEND ON THE TYPE OF STRUCTURAL MEMBER, CONCRETE COVER, AND BAR SPACING AND ARE DEFINED AS FOLLOWS:

BEAMS & COLUMNS	CASE 1	CLEAR SPACING ≥ 2.0 BAR DIA
BEAMS & COLUMNS	CASE 2	CLEAR SPACING < 2.0 BAR DIA
ALL OTHERS	CASE 1	CONCRETE COVER ≥ 1.0 BAR DIA AND CLEAR SPACING ≥ 2.0 BAR DIA
ALL OTHERS	CASE 2	CONCRETE COVER < 1.0 BAR DIA OR CLEAR SPACING < 2.0 BAR DIA

3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF FRESH CONCRETE PLACED BELOW THE DEVELOPMENT OR SPLICE.
4. REBAR IS ASSUMED TO BE UNCOATED (NO EPOXY COATING). INCREASE LAP SPLICE AND DEVELOPMENT LENGTHS SHOWN BY 1.3 FOR TOP, AND 1.5 FOR OTHER EPOXY COATED BARS.
5. FOR LIGHTWEIGHT CONCRETE, MULTIPLY TABULATED VALUES BY 1.3.
6. LAP SPLICE LENGTHS SHALL BE AS SHOWN IN THE TABLE ABOVE, UNLESS NOTED OTHERWISE.
7. WHERE BARS OF DIFFERENT SIZES ARE LAP SPLICED, THE LAP SPLICE LENGTH SHALL BE THE LARGER OF THE TENSION DEVELOPMENT LENGTH OF THE LARGER BAR AND THE TENSION LAP SPLICE LENGTH OF THE SMALLER BAR.

TENSION DEVELOPMENT LENGTHS (ACI 318)



F'c = 3000 PSI

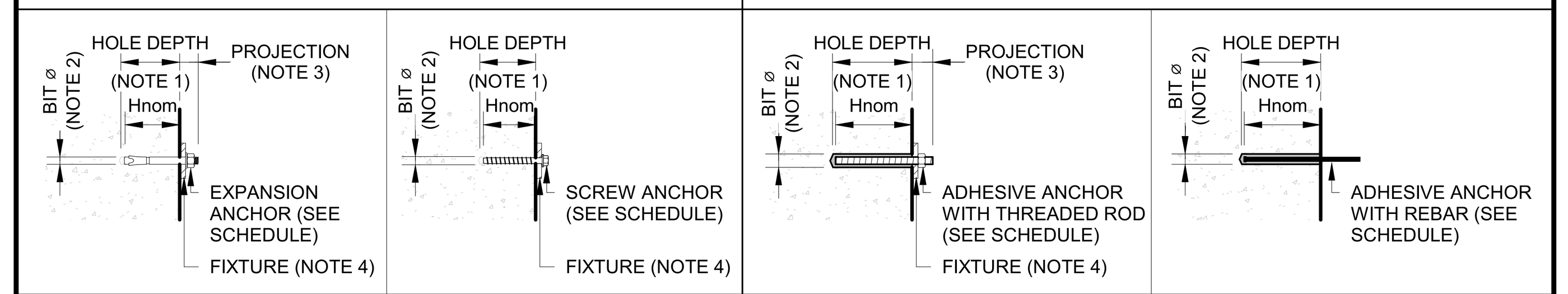
BAR SIZE	TOP BARS CASE 1	TOP BARS CASE 2	OTHER BARS CASE 1	OTHER BARS CASE 2
#3	21	32	16	25
#4	28	43	22	33
#5	36	53	27	41
#6	43	64	33	49
#7	62	93	48	72
#8	71	107	55	82
#9	80	120	62	93
#10	90	136	70	104
#11	100	151	77	116

F'c = 4000 PSI

BAR SIZE	TOP BARS CASE 1	TOP BARS CASE 2	OTHER BARS CASE 1	OTHER BARS CASE 2
#3	18	28	14	21
#4	25	37	19	28
#5	31	46	24	36
#6	37	55	28	43
#7	54	81	42	62
#8	62	92	47	71
#9	70	104	54	80
#10	78	117	60	90
#11	87	130	67	100

POST-INSTALLED ANCHORS INSTALLATION REQUIREMENTS

MECHANICAL ANCHORS | ADHESIVE ANCHORS



NOTES:

1. POST-INSTALLED ANCHORS ARE SPECIFIED BY THE NOMINAL EMBEDMENT (Hnom) INDICATED IN MANUFACTURER'S LITERATURE. INCREASE THE HOLE DEPTH AS REQUIRED BY THE MANUFACTURER PRINTED INSTALLATION INSTRUCTIONS FOR THE SPECIFIED ANCHOR SIZE AND EMBEDMENT.
2. COORDINATE BIT DIAMETER WITH MANUFACTURER REQUIREMENTS.
3. TOTAL ANCHOR LENGTH SHALL BE COORDINATED TO PROVIDE ADEQUATE PROJECTION LENGTH FOR FIXTURE THICKNESS, WASHER(S) AS REQUIRED (SEE NOTE 5), AND FULL ENGAGEMENT OF NUT.
4. FIXTURE CONSIDERATIONS SHALL BE COORDINATED WITH MANUFACTURER REQUIREMENTS:
   A. CONSIDERATION FOR "THROUGH-SET" VS "PRESET" INSTALLATION IN DETERMINING FIXTURE HOLE DIAMETER AND WASHER REQUIREMENTS (SEE NOTE 5).
   B. INCREASE OF NOMINAL EFFECTIVE EMBEDMENT IF REQUIRED WHEN FIXTURE THICKNESS IS LESS THAN MINIMUM FOR EXPANSION ANCHORS.
5. INSTALL DOUBLE WASHERS WHEN "THROUGH-SET" INSTALLATION IS USED FOR ADHESIVE ANCHORS AS REQUIRED PER MANUFACTURER REQUIREMENTS.
6. COORDINATE OTHER REQUIREMENTS WITH MANUFACTURER PRINTED INSTALLATION INSTRUCTIONS INCLUDING (BUT NOT LIMITED TO) TEMPERATURE, HOLE DRILLING/CLEANING/PREPARATION, & INSTALLATION TORQUE.

7. ADDITIONAL NOTES FOR ADHESIVE ANCHORS

A. ADHESIVE ANCHOR DESIGN TEMPERATURE RANGE IS 110°F (LONG TERM) AND 130°F (SHORT TERM).
B. IN ADDITION TO THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, THE FOLLOWING GUIDELINES SHALL BE FOLLOWED FOR INSTALLATION OF ADHESIVE ANCHORS:
   a. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION.
   b. ADHESIVE ANCHORS SHALL BE INSTALLED IN DRY CONCRETE, AND DURING DRY CONDITIONS.
   c. ADHESIVE ANCHORS SHALL BE INSTALLED IN HOLES PREDRILLED WITH A CARBIDE TIPPED DRILL BIT.
   d. ADHESIVE ANCHORS SHALL BE INSTALLED WITHIN THE TEMPERATURE RANGE SPECIFIED IN THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, BUT NOT OUTSIDE OF THE DESIGN TEMPERATURE RANGE.
   e. LOADS SHALL NOT BE APPLIED TO ADHESIVE ANCHORS UNTIL THE FULL CURING TIME ASSOCIATED WITH THE INSTALLATION TEMPERATURE HAS ELAPSED.
C. INSTALLATION OF ADHESIVE ANCHORS SHALL BE PERFORMED BY CERTIFIED PERSONNEL. CERTIFICATION SHALL INCLUDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT.
D. WHEN ANCHORING TO CONCRETE MASONRY WITH VOIDS, THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.

CONCRETE MIXTURES

APPLICATION	EXPOSURE	F'c (AT 28-DAYS UNO)	MAXIMUM W/C	MAXIMUM (CI-) CONTENT	AIR CONTENT	NOMINAL MAXIMUM AGGREGATE SIZE (NOTE 3)	MAXIMUM CONCRETE WEIGHT
FOOTINGS	F0 S0 W0 C0	3000 PSI	SEE NOTE 1	1	SEE NOTE 2	1"	150 PCF
EXTERIOR SLAB-ON-GRADE	F2 S0 W0 C1	4000 PSI AT 28-DAYS 4500 PSI AT 56-DAYS	0.45	0.3	6% ± 1.5%	1"	150 PCF
INTERIOR SLAB-ON-GRADE	F0 S0 W0 C0	3000 PSI	SEE NOTE 1	1	SEE NOTE 2	1"	150 PCF

NOTES:

1. WHERE NO MAXIMUM WATER CEMENT RATIO IS NOTED FOR DURABILITY, PROPORTIONING OF WATER/CEMENT RATIO SHALL BE AS REQUIRED FOR SPECIFIED CONCRETE MIX DESIGN. WATER/CEMENT RATIO IS NOT APPLICABLE FOR DURABILITY REQUIREMENTS IN LIGHTWEIGHT CONCRETE.
2. WHERE AIR ENTRAINMENT IS NOT REQUIRED BY DESIGN, THE CONTRACTOR, INSTALLER, AND SUPPLIER MAY CHOOSE TO INCLUDE AIR ENTRAINMENT TO IMPROVE PLACEMENT AND FINISHING CHARACTERISTICS. AIR ENTRAINMENT IS NOT PERMITTED IN NORMAL WEIGHT CONCRETE TO RECEIVE A HARD TROWEL FINISH AND ENTRAPPED AIR SHALL NOT EXCEED 3%. AIR ENTRAINMENT IN LIGHTWEIGHT CONCRETE SLABS IS REQUIRED TO MEET FIRE RATING REQUIREMENTS. SLABS SHALL BE PROPERLY FINISHED TO AVOID SURFACE IMPERFECTIONS, SUCH AS BLISTERING OR DELAMINATION.
3. COARSE AGGREGATE SHALL BE ASTM C 33, GRADED. SELECT GRADING CLASS PER TYPE OF CONSTRUCTION OR LOCATION USED, AND IN RELATION TO SPECIFIC WEATHERING REGION. AGGREGATE SHALL BE FROM A SINGLE SOURCE. #57 GRADING SHALL BE USED FOR CONCRETE WITH 1 INCH MAXIMUM.
4. FINE AGGREGATE FOR INTERIOR SLAB-ON-GRADE SHALL CONSIST OF A MINIMUM 70% NATURAL SAND.
5 FLY ASH AND SLAG CEMENT ARE NOT PERMITTED IN SLAB-ON-GRADE MIXES.

PES STRUCTURAL ENGINEERS
ADDRESS 1852 Century Place NE, Suite 201, Atlanta, Georgia 30345
PHONE 770.457.5923 FAX 770.457.9989 WEB www.pesengineers.com
PES PROJECT NUMBER:0230397
PES GEORGIA COA NUMBER: PEF000799
EXPIRATION DATE: 06/30/2024

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE	DATE
DESIGN DEVELOPMENT	11/06/2023
CONSTRUCTION DOCUMENTS	01/29/2024

DRAWN BY: NTV
CHECKED BY: EMS

JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA
GMC # AATL230012

1/29/2024

CONCRETE GENERAL NOTES & SCHEDULES

S0.02

STRUCTURAL STEEL

A. ALL STRUCTURAL STEEL WORK SHALL BE IN ACCORDANCE WITH DIVISION 05 SPECIFICATIONS.
B. SLOTTED HOLES FOR BEAM END CONNECTIONS ARE NOT ALLOWED FOR BEAMS ASSOCIATED WITH A BRACED FRAME OR MOMENT FRAME, OR NOTED WITH A REQUIRED AXIAL CONNECTION FORCE, UNLESS NOTED OTHERWISE.
C. GUSSET PLATES AND STIFFENER PLATES SHALL BE 3/8" MINIMUM, WELDED BOTH SIDES CONTINUOUSLY, UNLESS NOTED OTHERWISE.
D. MEMBERS SUPPORTING DECK AT THE PERIMETER OF THE BUILDING SHALL BE CONTINUOUS EXCEPT AT EXPANSION JOINTS. SQUARE GROOVE WELD (BUTT JOINT) CONTINUOUS MEMBERS PLACED END TO END UNLESS NOTED OTHERWISE.
E. STEEL COLUMN BASE PLATES AND ANCHOR RODS SHALL HAVE MINIMUM 3" CONCRETE COVER PROTECTION.
F. POWDER ACTUATED FASTENERS (OR POWDER DRIVEN FASTENERS) SHALL BE ANCHORED IN STEEL WITH MINIMUM FASTENER SPACING OF 1 1/2" AND MINIMUM EDGE DISTANCE OF 1/2".
G. GROUT UNDER BEARING PLATES SHALL BE MIN. 6,000 PSI COMPRESSIVE STRENGTH. LOADING OF STRUCTURE SHALL NOT OCCUR UNTIL GROUT IS INSTALLED UNDER BASE PLATES AND PROPERLY CURED.
H. MATERIALS:
   1. W-SHAPES: ASTM A 992.
   2. CHANNELS, ANGLES, M, S-SHAPES: ASTM A 36.
   3. PLATE AND BAR: ASTM A 36.
   4. COLD-FORMED HOLLOW STRUCTURAL SECTIONS: ASTM A 500, GRADE C, STRUCTURAL TUBING.
   5. STEEL PIPE: ASTM A 53, TYPE E OR S, GRADE B.
   6. HIGH-STRENGTH A325 BOLTS, NUTS, AND WASHERS: ASTM F3125, GRADE A325, TYPE 1, HEAVY-HEX STEEL STRUCTURAL BOLTS; ASTM A563, GRADE DH, HEAVY-HEX CARBON-STEEL NUTS; AND ASTM F436, TYPE 1, HARDENED CARBON-STEEL WASHERS.
   a. DIRECT-TENSION INDICATORS: ASTM F959, TYPE 325-1, COMPRESSIBLE-WASHER TYPE.
   b. FINISH: PLAIN FINISH. AT EXTERIOR CONDITIONS AND GALVANIZED STEEL, HOT-DIP OR MECHANICALLY DEPOSITED ZINC COATING.
   7. HIGH-STRENGTH A490 BOLTS, NUTS, AND WASHERS: ASTM F3125, GRADE A490, TYPE 1, HEAVY-HEX STEEL STRUCTURAL BOLTS; ASTM A563, GRADE DH, HEAVY-HEX CARBON-STEEL NUTS; AND ASTM F436, TYPE 1, HARDENED CARBON-STEEL WASHERS.
   . a. DIRECT-TENSION INDICATORS: ASTM F959, TYPE 490-1, COMPRESSIBLE-WASHER TYPE.
   . b. FINISH: PLAIN FINISH. AT EXTERIOR CONDITIONS AND GALVANIZED STEEL, HOT-DIP OR MECHANICALLY DEPOSITED ZINC COATING.
   8. TENSION-CONTROL, HIGH-STRENGTH BOLT-NUT-WASHER ASSEMBLIES: ASTM F3125, GRADE F1852, TYPE 1, HEAVY-HEX OR ROUND HEAD ASSEMBLIES, CONSISTING OF STEEL STRUCTURAL BOLTS WITH SPLINED ENDS; ASTM A563, GRADE DH, HEAVY-HEX CARBON-STEEL NUTS; AND ASTM F436, TYPE 1, HARDENED CARBON-STEEL WASHERS.
   . a. FINISH: PLAIN FINISH. AT EXTERIOR CONDITIONS AND GALVANIZED STEEL, HOT-DIP OR MECHANICALLY DEPOSITED ZINC COATING.
   9. SHEAR CONNECTORS: ASTM A 108, AISI C-1015 THROUGH C-1020 HEADED-STUD TYPE, COLD FINISHED CARBON STEEL; AWS D1.1, TYPE B.
   10. UNHEADED ANCHOR RODS: ASTM F1554, GRADE 36.
   . a. CONFIGURATION: STRAIGHT.
   . b. NUTS: ASTM A563 HEAVY-HEX CARBON STEEL.
   . c. PLATE WASHERS: ASTM A36 CARBON STEEL.
   . d. WASHERS: ASTM F436, TYPE 1, HARDENED CARBON STEEL.
   . e. FINISH: PLAIN FINISH. AT EXTERIOR CONDITIONS AND GALVANIZED STEEL, HOT-DIP ZINC COATING, ASTM A153, OR MECHANICALLY DEPOSITED ZINC COATING, ASTM B695.
   11. THREADED RODS: ASTM A 36.
   12. NONMETALLIC, SHRINKAGE-RESISTANT GROUT: ASTM C 1107, FACTORY-PACKAGED, NONMETALLIC AGGREGATE GROUT, NONCORROSIVE AND NONSTAINING, MIXED WITH WATER TO CONSISTENCY SUITABLE FOR APPLICATION AND A 30-MINUTE WORKING TIME.
I. CONNECTIONS:
   1. WHERE COMPLETE CONNECTION DESIGN IS NOT INDICATED IN THE STRUCTURAL DRAWINGS, CONNECTIONS SHALL BE COMPLETED BY THE STRUCTURAL STEEL FABRICATOR IN ACCORDANCE WITH DIVISION 05 PERFORMANCE SPECIFICATION REQUIREMENTS.
   2. CONNECTIONS SHALL BE DESIGNED AS SNUG-TIGHT CONNECTIONS WITH THREADS IN THE SHEAR PLANE, UNLESS NOTED OTHERWISE. ALL BOLTS NOTED AS PRE-TENSIONED OR SLIP CRITICAL IN THE DRAWINGS SHALL BE TIGHTENED TO THE MINIMUM PRETENSION VALUE SHOWN IN TABLE J3.1 OF THE AISC STEEL MANUAL, USING COMPRESSIBLE-WASHER-TYPE DIRECT TENSION INDICATOR DEVICES OR TENSION-CONTROL, HIGH STRENGTH BOLT-NUT-WASHER ASSEMBLIES.

WELDING

A. MINIMUM WELD SIZE SHALL BE 3/16" FILLET WELD UNLESS NOTED OTHERWISE.
B. WELD FILLER METALS SHALL COMPLY WITH AWS REQUIREMENTS FOR THE APPLICABLE WELD PROCESS AND BASE MATERIAL, AND AS FOLLOWS:
   1. USE 70 KSI (E70XX) MINIMUM ELECTRODES UNLESS NOTED OTHERWISE.
   2. USE 60 KSI (E60XX) ELECTRODES FOR WELDING AT COLD FORMED STEEL FRAMING, AND FOR PUDDLE WELDS OF COMPOSITE DECK, ROOF DECK AND NON-COMPOSITE DECK TO SUPPORTS WHEN DECK THICKNESS IS 22 GAGE OR GREATER.
   3. USE 70 KSI (E70XX) ELECTRODES FOR PUDDLE WELDS OF COMPOSITE DECK, ROOF DECK AND NON-COMPOSITE DECK TO SUPPORTS WHEN DECK THICKNESS IS LESS THAN 22 GAGE AND WELDS ARE MADE THROUGH WELD WASHERS.
   4. USE 80 KSI (E80XX) ELECTRODES FOR WELDING A706 REINFORCING STEEL.
C. FIELD WELDING SHALL BE SHOWN ON SHOP DRAWINGS AND ERECTION DRAWINGS.
D. REFER TO ARCHITECTURAL DOCUMENTS FOR EXPOSED STEEL AND JOINT LOCATIONS AND REQUIREMENTS. ALL EXPOSED WELDED CONNECTIONS SHALL BE GROUND SMOOTH AND SUBJECT TO ARCHITECT APPROVAL. FABRICATOR SHALL ALTER JOINT DETAILING AS REQUIRED TO ENSURE THAT EFFECTIVE THROAT SPECIFIED IN WELD DETAIL IS MAINTAINED AFTER GRINDING OF WELD SURFACE.
E. WELDS INDICATED IN STRUCTURAL DETAILS ARE INTENDED AS THE BASIS OF DESIGN. FABRICATOR AND ERECTOR HAVE THE OPTION TO PROPOSE THE USE OF ALTERNATIVE WELDING PROCEDURES. ALTERNATIVE WELDS SHALL BE INDICATED ON SHOP DRAWINGS FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD.
F. REINFORCING STEEL WELDING SHALL CONFORM TO AWS D1.4, STRUCTURAL WELDING CODE - REINFORCING STEEL BY AMERICAN WELDING SOCIETY FOR COMPLIANCE WITH ACI 318, SECTION 3.5.2.

METAL FABRICATION

A. ALL METAL FABRICATION WORK SHALL BE IN ACCORDANCE WITH DIVISION 05 SPECIFICATIONS.

HOT-DIP GALVANIZED STRUCTURAL STEEL

A. ALL HOT-DIP GALVANIZATION WORK SHALL BE IN ACCORDANCE WITH DIVISION 05 SPECIFICATIONS.
B. ALL BOLTS USED FOR CONNECTIONS AT GALVANIZED STEEL MEMBERS SHALL BE GALVANIZED PER STANDARDS NOTED.
C. REFER TO ASTM A-143, A-384 AND D-6386 FOR ADDITIONAL STANDARD PRACTICES RELATED TO SPECIAL CONDITIONS FOR HOT-DIP GALVANIZING.
D. GALVANIZED FAYING SURFACES AT SLIP CRITICAL CONNECTIONS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A-123 AND SHALL BE ROUGHENED BY MEANS OF HAND WIRE BRUSHING. POWER WIRE BRUSHING IS NOT PERMITTED.

STEEL ROOF DECK

A. ALL STEEL ROOF DECK WORK SHALL BE IN ACCORDANCE WITH DIVISION 05 SPECIFICATIONS
B. ROOF DECK FINISHES SHALL BE AS FOLLOWS:
   1. INTERIOR, NOT EXPOSED TO VIEW: ASTM A1008 FACTORY PRIME PAINTED.
   2. INTERIOR, EXPOSED TO VIEW: ASTM A1008 FACTORY PRIME PAINTED TO RECEIVE FINISH PAINT. SEE ARCHITECTURAL DRAWINGS FOR EXTENTS.
   3. EXTERIOR EXPOSURE (TOP OR BOTTOM OF DECK EXPOSED TO ELEMENTS): ASTM A653 GALVANIZED G90.
C. MINIMUM YIELD STRENGTH SHALL BE 50,000 PSI, UNLESS NOTED OTHERWISE.
D. DECK SHALL BE SUPPORTED BY A MINIMUM OF FOUR SUPPORT LOCATIONS (THREE SPAN CONDITION).
E. MINIMUM FINAL ROOF SLOPE SHALL BE 1/4" PER 1 FT. WHERE SLOPE IS NOT ACHIEVED BY STEEL STRUCTURE, CREATE IT WITH INSULATION ABOVE THE DECK (SEE ARCHITECTURAL DRAWINGS).
F. STEEL ROOF DECK SHALL BE ATTACHED TO STEEL SUPPORTS WITH 5/8" DIAMETER PUDDLE WELDS AND TO COLD FORMED STEEL FRAMING WITH #12 HEX HEAD SCREWS. WHEN DECK THICKNESS IS LESS THAN 0.028 INCHES, WELDS MUST BE MADE THROUGH MIN. 16 GAUGE WELDING WASHERS. SPACING OF WELDS SHALL BE AS FOLLOWS
   1. AT PERIMETER/EDGES OF BUILDING : AT 36/7 PATTERN OR 6" O.C.
   2. INTERMEDIATE SUPPORTS: AT 36/7 PATTERN OR 6" O.C.
   3. SIDE LAPS: PROVIDE 6 CONNECTIONS PER SPAN. HEX HEAD SCREWS SIZE #10 SHALL BE USED AT SIDE LAP CONNECTIONS.
   4. SIDE LAPS (PORTE COCHERE): PROVIDE 1 CONNECTION PER SPAN. HEX HEAD SCREWS SIZE #10 SHALL BE USED AT SIDE LAP CONNECTIONS.

COLD-FORMED STEEL FRAMING (STUDS AND JOISTS)

A. ALL COLD-FORMED STEEL FRAMING WORK SHALL BE IN ACCORDANCE WITH DIVISION 05 SPECIFICATIONS.
B. ISOLATION OF NON-LOAD-BEARING FRAMING FROM BUILDING STRUCTURE TO PREVENT TRANSFER OF VERTICAL LOADS SHALL ALLOW FOR A MINIMUM OF 3/4" MOVEMENT FROM LIVE LOAD.
C. SEE ARCHITECTURAL DRAWINGS FOR NON-LOAD BEARING WALLS AND TO VERIFY ALL DIMENSIONS SHOWN FOR LOAD BEARING WALLS.

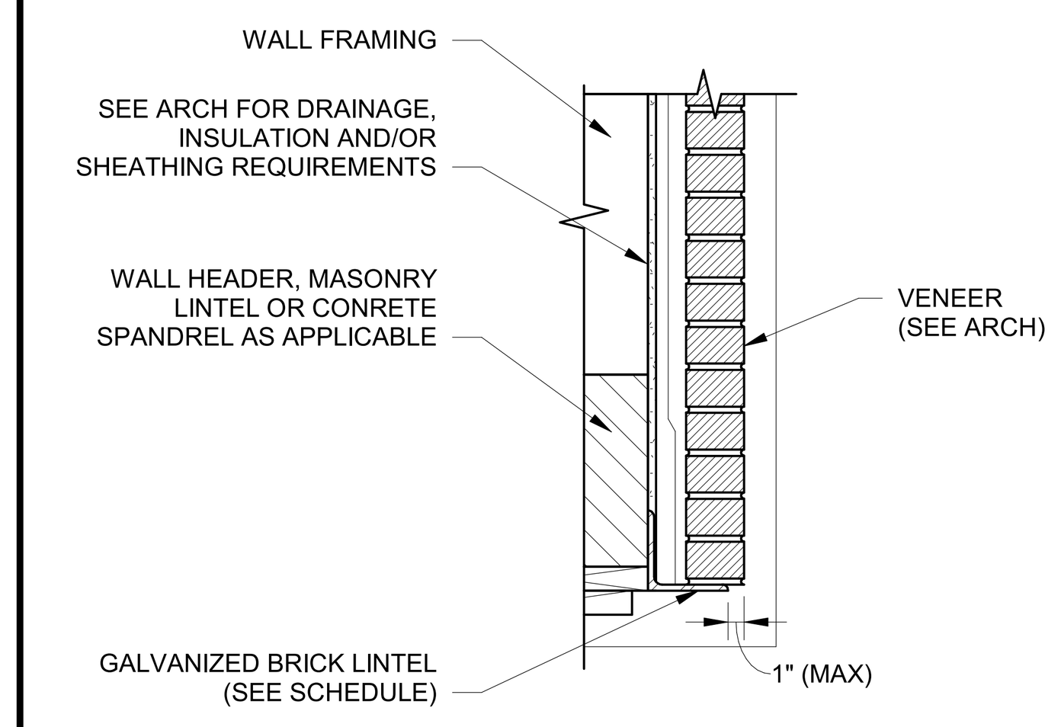
PRE-ENGINEERED COLD-FORMED STEEL TRUSSES

A. ALL PRE-ENGINEERED COLD FORMED STEEL TRUSS WORK SHALL BE IN ACCORDANCE WITH DIVISION 05 SPECIFICATIONS.
B. COLD FORMED STEEL ROOF TRUSS LOADING:
   1. TOP CHORD: LL = 20 PSF
   . DL = 12 PSF
   2. BOTTOM CHORD: DL = 8 PSF
   3. TOTAL LOAD: = 40 PSF
C. CONCENTRATED LOADS SHALL BE SUPPORTED AT PANEL POINTS ONLY. ANY LOADS SUSPENDED FROM TRUSSES MUST BE APPLIED TO EACH TRUSS UNIFORMLY, SPACING OF HANGERS NOT TO EXCEED TRUSS SPACING IN ANY DIRECTION.
D. SPECIAL LOADS FROM MECHANICAL/PLUMBING OR OTHER EQUIPMENT SHALL BE COORDINATED BY THE COLD FORMED STEEL TRUSS DESIGNER. COLD FORMED STEEL TRUSSES SUPPORTING THESE SPECIAL LOADS SHALL BE DESIGNED FOR THESE LOADS IN ADDITION TO THE TYPICAL UNIFORM LOADS.
E. SEE MECHANICAL DRAWINGS AND ROOF PLAN FOR EQUIPMENT WEIGHTS, LOCATIONS AND ACCESS PATHS IN ROOF TRUSSES. IF EQUIPMENT WEIGHTS PLUS 30 PSF LIVE LOAD ARE MORE SEVERE THAN THE 60 PSF UNIFORM LIVE LOAD, USE THE WORST CASE LOAD FOR TRUSS DESIGN. DESIGN PITCHED ROOF TRUSSES FOR UNBALANCED SNOW LOAD PER BUILDING. CODE OR LIVE LOADS NOTED WITH THE WORST CASE LOAD USED FOR THE DESIGN.
F. PROPER ERECTION BRACING SHALL BE INSTALLED TO HOLD THE TRUSSES TRUE AND PLUMB AND IN SAFE CONDITION UNTIL PERMANENT TRUSS BRACING AND BRIDGING CAN BE SOLIDLY ATTACHED TO FORM A STRUCTURALLY SOUND FRAMING SYSTEM. ALL ERECTION AND PERMANENT BRACING SHALL BE INSTALLED AND ALL COMPONENTS PERMANENTLY FASTENED BEFORE THE APPLICATION OF ANY LOADS TO THE TRUSSES. ALL BRACING SHALL BE DESIGNED BY MANUFACTURER AND INDICATED ON SHOP DRAWINGS. GENERAL CONTRACTOR SHALL COORDINATE WITH TRUSS FABRICATOR TO ENSURE THAT ALL BRACING IS PROVIDED INCLUDING BOTTOM CHORD BRACING BY WAY OF CEILING SHEATHING OR SPECIFIC BRACES AT PREDETERMINED LOCATIONS (AT DROPPED SUSPENDED CEILING). ALL PREFABRICATED TRUSSES ARE TO BE INSTALLED IN ACCORDANCE WITH PUBLISHED STANDARDS/SPECIFICATIONS FOR BRACING COLD FORMED STEEL TRUSSES. COMPONENT-TO-COMPONENT CONNECTIONS SHALL BE SPECIFIED ON PRE-ENGINEERED TRUSS DESIGN SUBMITTAL.
G. TRUSS DESIGNER SHALL INDICATE THAT ALL HIPS, VALLEYS, AND RIDGES SHALL HAVE A 14 GAUGE G90 BENT PLATE LEGS TO BE 8" AND CONNECTED TO TRUSS MEMBERS WITH A MINIMUM OF TWO NO. 12-14 TEK SCREWS PER CONNECTION.

BRICK/STONE VENEER LINTEL SCHEDULE (FLUSH TO STUD)

SPAN (OPENING)	LINTEL SIZE
0'-0" - 6'-0"	L6 x 3 1/2 x 5/16 (LLH)

DETAILS:



NOTES:
1. PROVIDE 4" BEARING MINIMUM AT EACH END OF LINTEL ANGLES.

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GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
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JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

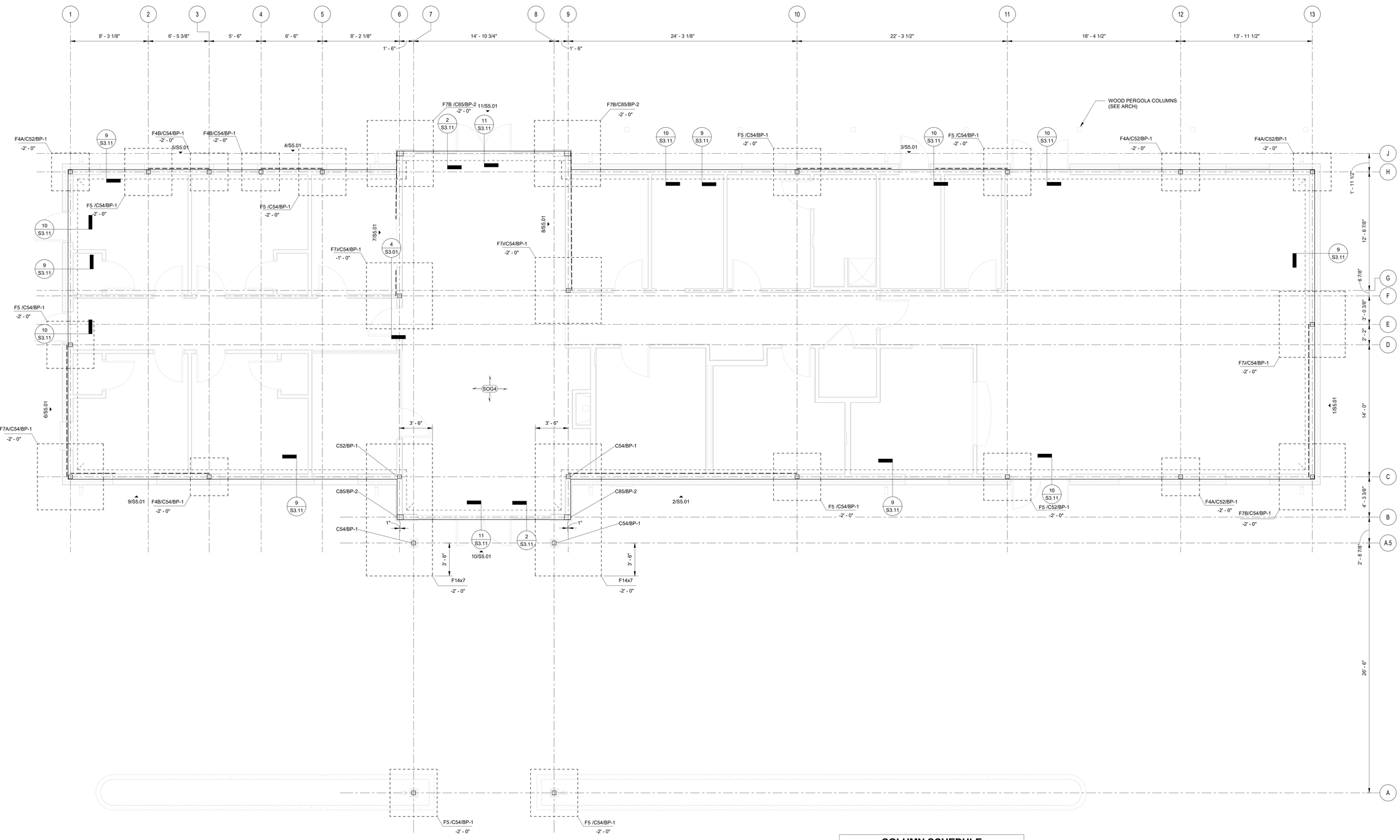
GMC # AATL230012

1/29/2024

STEEL AND COLD FORMED STEEL FRAMING GENERAL NOTES & SCHEDULES

S0.03

1/29/2024 4:52:07 PM TEMPLATE VERSION: 2022.1



FOUNDATION PLAN - LEVEL 1

1 / S1.01

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

FOUNDATION PLAN NOTES:

1. (SOG4) 4" CONCRETE SLAB-ON-GROUND REINFORCED W/ WWR 6x6-W2.1xW2.1 @ 1-1/2" BELOW T/SLAB OVER 4" CRUSHED STONE BASE (SEE ARCH FOR VAPOR RETARDER LOCATIONS).
   T/SLAB = SEE CIVIL
   REF T/SLAB = 0'-0"
2. BASE PLATE MARK (SEE 5/S3.01)
   COLUMN MARK (SEE SCHEDULE ON THIS SHEET)
   CONCRETE PIER MARK (SEE SCHEDULE ON THIS SHEET)
   FOUNDATION MARK (SEE SCHEDULE ON THIS SHEET) — F# / P# / C# / BP#
   - #" / #"
   TOP OF FOOTING ELEVATION
3. SUBMIT PROPOSED SLAB-ON-GROUND CONSTRUCTION OR CONTRACTION JOINT LOCATIONS. FOR SCHEMATIC CJ PLAN - SEE 1/S3.11
4. FOR TRENCHES ADJACENT TO FOUNDATIONS - SEE 1/S3.01
   FOR PIPING PASSING UNDER WALL FOUNDATIONS - SEE 2/S3.01
   PIPING PASSING UNDER FOOTING SHALL BE PLACED AND INSPECTED BEFORE FOUNDATIONS ARE PREPARED.
5. GENERAL CONTRACTOR SHALL COORDINATE PLUMBING AND UTILITIES LOCATIONS WITH FOUNDATIONS AS NEEDED. ADDITIONALLY GC SHALL COORDINATE FOUNDATION ELEVATIONS WITH PLUMBING AND UTILITIES AS NEEDED. FORWARD ANY FOUNDATION LOCATION CHANGE REQUESTS TO STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
6. -o- DENOTES STEP IN FOUNDATION - SEE 3/S3.01
7. - - - - - - - - - DENOTES BRACED FRAME - SEE ELEVATIONS ON S5.01
8. SEE ARCHITECTURAL DRAWINGS FOR:
   - ALL SLOPED SLAB AREAS. (MAINTAIN SLAB THICKNESS NOTED ON PLAN AS A MINIMUM IN ALL AREAS).
   - ALL DEPRESSED SLAB AND/OR RAISED SLAB AREAS. (MAINTAIN SLAB THICKNESS NOTED ON PLAN AS A MINIMUM IN ALL AREAS).
   - ALL DIMENSIONS NOT SHOWN. VERIFY ALL DIMENSIONS SHOWN IN STRUCTURAL DRAWINGS WITH ARCHITECTURAL DRAWINGS AND REPORT ANY DISCREPANCIES OR DIMENSIONS NOT SHOWN ON ARCHITECTURAL DRAWINGS FOR CLARIFICATION.

COLUMN SCHEDULE

MARK	SIZE
C52	HSS5x5x1/4
C54	HSS5X5X1/2
C85	HSS8x6x5/8

FOUNDATION SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	BOTTOM REINFORCEMENT	TOP REINFORCEMENT
F4A	4' - 0"	4' - 0"	1' - 0"	(6)-#5 EA WAY	(6)-#5 EA. WAY
F4B	4' - 0"	4' - 0"	1' - 2"	(7)-#5 EA WAY	(7)-#5 EA WAY
F5	5' - 0"	5' - 0"	1' - 2"	(7)-#5 EA WAY	(7)-#5 EA WAY
F7A	7' - 0"	7' - 0"	1' - 2"	(7)-#6 EA WAY	(7)-#6 EA WAY
F7B	7' - 0"	7' - 0"	2' - 0"	(7)-#7 EA WAY	(7)-#7 EA WAY
F14x7	14' - 0"	7' - 0"	1' - 2"	(14)-#5 SHORT WAY; (8)-#5 LONG WAY	(14)-#5 SHORT WAY; (8)-#5 LONG WAY

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1/29/2024

FOUNDATION PLAN - LEVEL 1

S1.01

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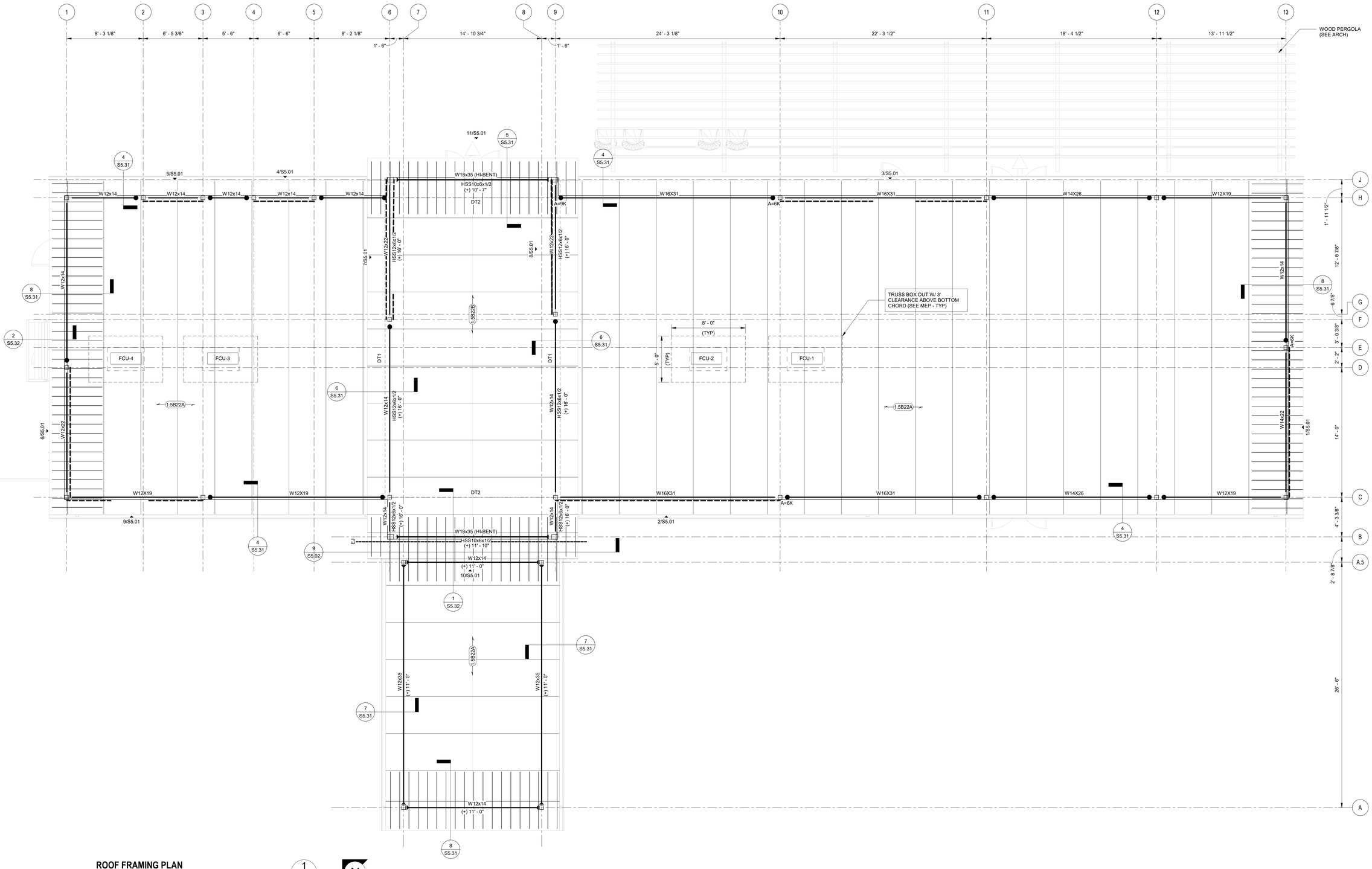

ROOF FRAMING PLAN

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

1 / S2.01

STEEL ROOF FRAMING PLAN NOTES:

1. 1.5B22A — DENOTES 22 GAUGE 1 1/2" TYPE B WIDE RIB STEEL ROOF DECK ON PRE-ENGINEERED CFS TRUSSES @ 4'-0" OC.
   MINIMUM DECK PROPERTIES:
   Ip = 0.155 IN^4/FT
   In = 0.178 IN^4/FT
   Sp = 0.169 IN^3/FT
   Sn = 0.179 IN^3/FT

   1.5B22B — DENOTES 22 GAUGE 1 1/2" TYPE B WIDE RIB STEEL ROOF DECK ON PRE-ENGINEERED CFS SCISSOR TRUSSES @ 4'-0" OC.
   MINIMUM DECK PROPERTIES:
   Ip = 0.155 IN^4/FT
   In = 0.178 IN^4/FT
   Sp = 0.169 IN^3/FT
   Sn = 0.179 IN^3/FT
2. T/STEEL = 9'-4" (TYP, UNO)
3. V=#K DENOTES: DESIGN SERVICE LEVEL (ALLOWABLE STRESS DESIGN) SHEAR REACTION. IF REACTION IS NOT SHOWN, DESIGN FOR 10 K.
4. DENOTES MOMENT CONNECTION. DESIGN CONNECTIONS FOR FORCES INDICATED ON PLAN AND IN ELEVATIONS.
   M=#K-FT — DENOTES DESIGN SERVICE LEVEL (ALLOWABLE STRESS DESIGN) MOMENT REACTION (+ OR -). IF FORCE IS NOT SHOWN, DESIGN FOR 10 K-FT.
5. DENOTES DRAG CONNECTION. DESIGN CONNECTIONS FOR AXIAL FORCES INDICATED ON PLAN.
   A=#K — DENOTES DESIGN SERVICE LEVEL (ALLOWABLE STRESS DESIGN) AXIAL DRAG FORCE. IF FORCE IS NOT SHOWN, DESIGN FOR 5 K.
6. DENOTES BRACED FRAME - SEE ELEVATIONS ON S5.01
7. DENOTES MECHANICAL EQUIPMENT LOCATION WITHIN ROOF TRUSS. SEE MECHANICAL EQUIPMENT SCHEDULE FOR LOADS. SEE PLAN FOR BOX-OUT DIMENSION REQUIREMENTS. TRUSS ENGINEER TO COORDINATE WITH MEP DRAWINGS FOR LOCATIONS AND SUPPORT REQUIREMENTS. TRUSS ENGINEER TO DESIGN TRUSS FOR ADDITIONAL LOADS. GC COORDINATE WITH TRUSS ENGINEER FOR DUCT ROUTING THROUGH TRUSSES.
8. DENOTES 2" EXPANSION JOINT
9. DT# DENOTES DRAG TRUSS. SEE SCHEDULE FOR DT LOADS

MECHANICAL EQUIPMENT SCHEDULE	
UNIT NAME	WEIGHT (LBS)
FCU-1	162
FCU-2	162
FCU-3	162
FCU-4	128

DRAG TRUSS LOAD SCHEDULE (UNFACTORED)

MARK	WIND (PLF)	SEISMIC (PLF)
DT1	600	110
DT2	900	400

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1/29/2024

ROOF FRAMING PLAN

S2.01

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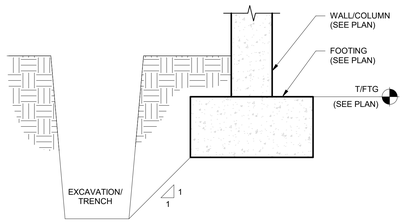
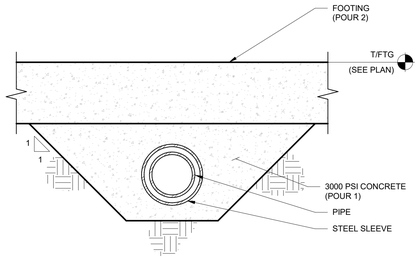


NOTES:
1. DETAIL IS INTENDED TO INDICATE THE MINIMUM CLEARANCE BETWEEN TRENCHES AND INSTALLED FOUNDATIONS TO MAINTAIN STABILITY OF THE FOUNDATION. THIS DETAIL IS NOT INTENDED TO ADDRESS OSHA TRENCHING AND EXCAVATION SAFETY REQUIREMENTS.

TYPICAL FOOTING ADJACENT TO TRENCH - SECTION

1 S3.01

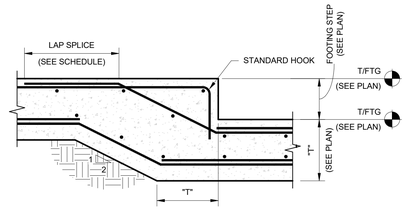
SCALE: 1" = 1'-0"



TYPICAL PIPE UNDER FOOTING - SECTION

2 S3.01

SCALE: 1" = 1'-0"



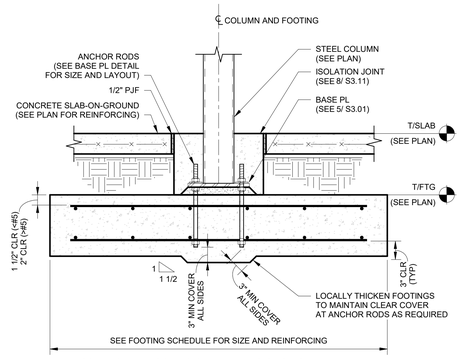
NOTES:

1. "T" DENOTES FOOTING THICKNESS (SEE PLANS, KEYED SECTIONS AND DETAILS FOR FOOTING THICKNESS AND REINFORCING).

TYPICAL FOOTING STEP - SECTION

3 S3.01

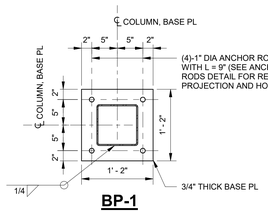
SCALE: 1" = 1'-0"



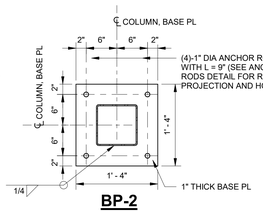
TYPICAL INTERIOR COLUMN FOOTING - SECTION

4 S3.01

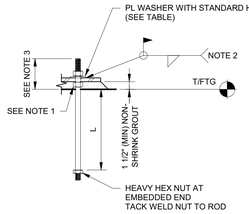
SCALE: 1" = 1'-0"



BP-1



BP-2



BASE PLATE HOLE DIAMETER AND PLATE WASHER SIZE

ANCHOR RODS DIA	BASE PL HOLE DIA	MIN WASHER DIMENSION	MIN WASHER THICKNESS
3/4"	1 5/16"	2"	1/4"
7/8"	1 9/16"	2 1/2"	5/16"
1"	1 13/16"	3"	3/8"
1 1/4"	2 1/16"	3"	1/2"
1 1/2"	2 5/16"	3 1/2"	1/2"
1 3/4"	2 3/4"	4"	5/8"
2"	3 1/4"	5"	3/4"
2 1/2"	3 3/4"	5 1/2"	7/8"

NOTES:

1. PROVIDE LEVELING NUTS AND WASHERS, SHIM STACKS, OR LEVELING PLATE TO TEMPORARILY SUPPORT COLUMN DURING LEVELING AND GROUTING.
2. WELD REQUIRED ONLY AT BRACED FRAME AND MOMENT FRAME COLUMNS, AS AN ALTERNATIVE TO WELDING, FILL ALL VOIDS BETWEEN ANCHOR ROD AND BASE PLATE HOLES WITH GROUT OR EPOXY PRIOR TO INSTALLING WASHER AND NUT.
3. PROVIDE ADEQUATE PROJECTION FOR INSTALLATION OF NUT ABOVE BASE PLATE, 6" MINIMUM.

BASE PLATE DETAILS

5 S3.01

SCALE: 1" = 1'-0"

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GEORGIA REGISTERED No. SE000283 STRUCTURAL ENGINEER MICHAEL PLANER

1/29/2024

FOUNDATION DETAILS

S3.01

PES STRUCTURAL ENGINEERS
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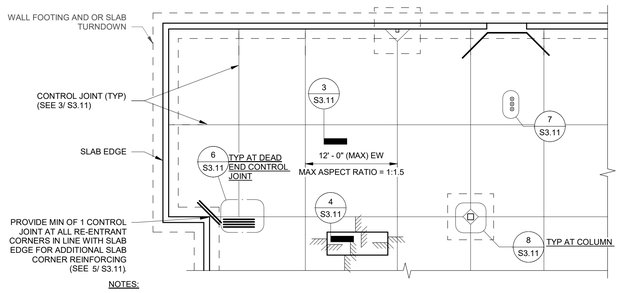


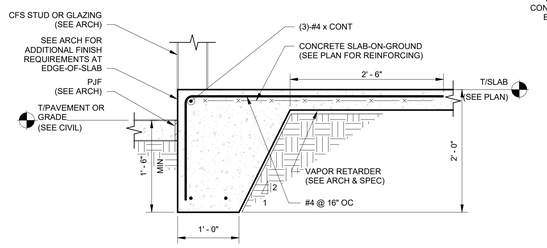
NOTES:

1. KEY PLAN ILLUSTRATES CONSTRUCTION CONCEPTS ONLY. SEE PLAN FOR ACTUAL DIMENSIONS AND ARRANGEMENT OF STRUCTURAL ELEMENTS.
2. PROVIDE ADDITIONAL CONTROL JOINTS AT ABRUPT CHANGES IN THICKNESS COORDINATE LOCATIONS WITH FLOOR FINISHES AND INTERIOR WALLS.
3. CONTRACTOR SHALL SUBMIT PROPOSED CONTROL JOINT LAYOUT FOR DESIGN TEAM REVIEW PRIOR TO CONCRETE PLACEMENT.

TYPICAL CONTROL JOINT KEY PLAN

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

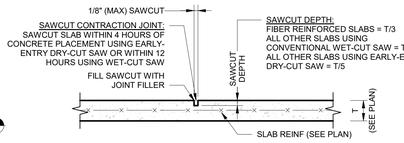
1 S3.11



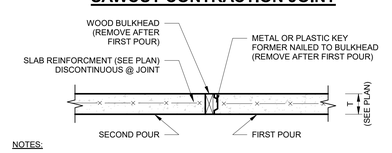
TURNDOWN SLAB EDGE - SECTION

SCALE: 1" = 1'-0"

2 S3.11



SAWCUT CONTRACTION JOINT



NOTES:

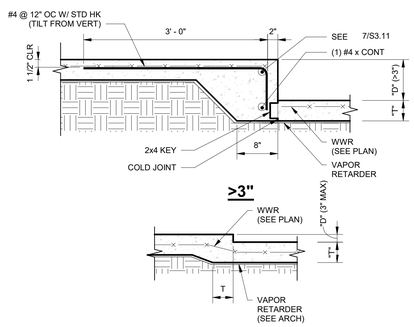
1. APPLY A SPRAY-ON BOND BREAKER TO THE FIRST POUR PRIOR TO PLACING THE SECOND POUR. APPLY A SPRAY-ON BOND BREAKER TO THE FIRST POUR PRIOR TO PLACING THE SECOND POUR.

CONSTRUCTION JOINT

TYPICAL CONSTRUCTION/CONTRACTION JOINT DETAILS - SECTION

SCALE: 1" = 1'-0"

3 S3.11



3" MAX

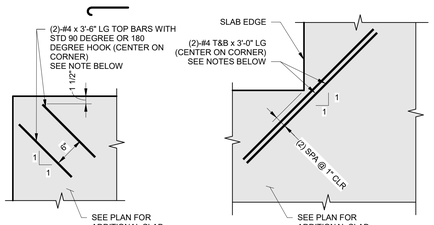
NOTES:

1. T = SLAB THICKNESS (SEE PLAN)
2. D = SLAB DEPRESSION (SEE ARCH)

TYPICAL DEPRESSED SLAB - SECTION

SCALE: 1" = 1'-0"

4 S3.11



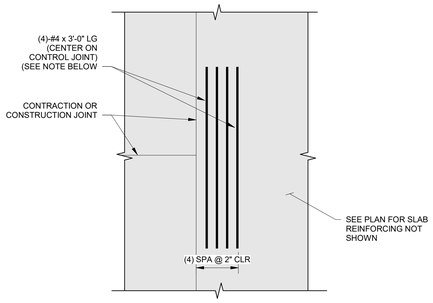
NOTES:

1. INSTALL REINFORCING 1" CLEAR FROM TOP OF SLAB AND 2" CLEAR FROM BOTTOM OF SLAB. BOTTOM REINFORCING MAY BE OMITTED WHEN SLAB THICKNESS IS LESS THAN 6".
2. REENTRANT CORNER REINFORCING IS NOT REQUIRED WHEN A CONSTRUCTION OR SAWCUT CONTRACTION JOINT ALIGNS WITH THE CORNER. REINFORCEMENT SHALL NOT CROSS CONSTRUCTION OR SAWCUT CONTRACTION JOINTS THAT ALLOW FOR MOVEMENT.

TYPICAL ADDITIONAL SLAB CORNER REINFORCING - PLAN

SCALE: 1" = 1'-0"

5 S3.11



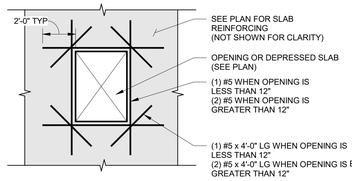
NOTES:

1. INSTALL REINFORCING 1" CLEAR BELOW TOP OF SLAB.

TYPICAL DEAD END CONTROL JOINT REINFORCING - PLAN

SCALE: 1" = 1'-0"

6 S3.11



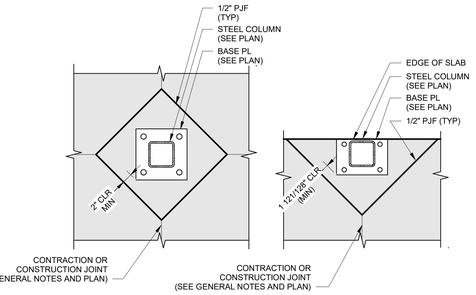
NOTES:

1. DETAIL APPLIES FOR ALL OPENINGS IN SLABS ON GROUND AND TOPPING SLABS.

TYPICAL REINFORCING AT SLAB-ON-GROUND OPENINGS - PLAN

NOT TO SCALE

7 S3.11



INTERIOR

EXTERIOR EDGE

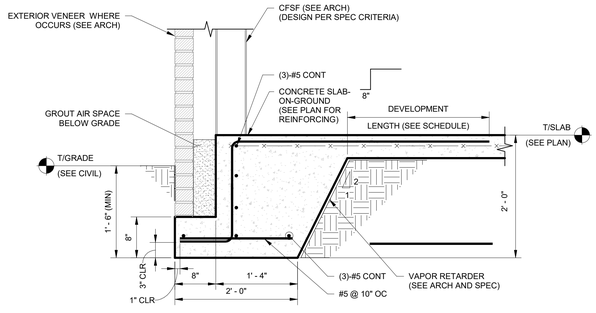
NOTES:

1. COLUMN BOX OUT SHALL BE NOT LESS THAN 2'-0" x 2'-0". GENERAL CONTRACTOR SHALL INCREASE BOX OUT AS REQUIRED TO ALLOW FOR GROUTING UNDER BASE PLATE. WELDING OF WASHERS TO BASE PLATE AT DEEPER FOOTINGS AND ATTACHING OF DIAGONAL BRACING MEMBER.

TYPICAL ISOLATION JOINT- PLAN

SCALE: 1" = 1'-0"

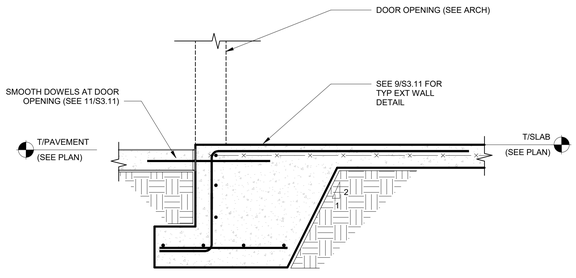
8 S3.11



TYPICAL THICKENED SLAB AT BRICK EXERIOR WALL - SECTION

SCALE: 1" = 1'-0"

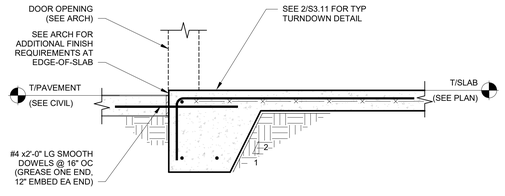
9 S3.11



TYPICAL THICKENED SLAB AT EXERIOR WALL - SECTION

SCALE: 1" = 1'-0"

10 S3.11



TURNDOWN SLAB EDGE AT DOOR OPENING - SECTION

SCALE: 1" = 1'-0"

11 S3.11

GMC

Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
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ISSUE	DATE
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CONSTRUCTION DOCUMENTS	01/29/2024

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JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

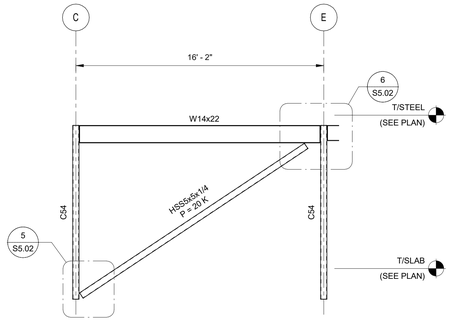
GEORGIA REGISTERED No. SE000023 STRUCTURAL ENGINEER MICHAEL L. PLANER

1/29/2024

SLAB-ON-GROUND DETAILS

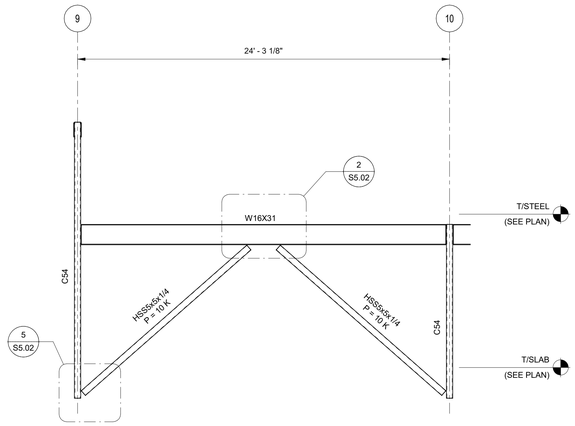
S3.11

PES STRUCTURAL ENGINEERS
ADDRESS 1852 Century Place NE, Suite 201, Atlanta, Georgia 30345
PHONE 770.457.5923 **FAX** 770.457.9989 **WEB** www.pesengineers.com
PES PROJECT NUMBER:0230397
PES GEORGIA COA NUMBER: PEF000799
EXPIRATION DATE: 06/30/2024



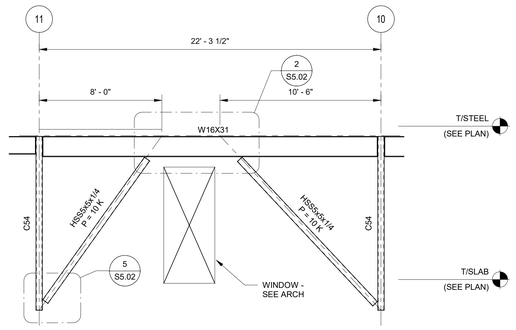
BRACE ELEV 13/C-E — 1 S5.01

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



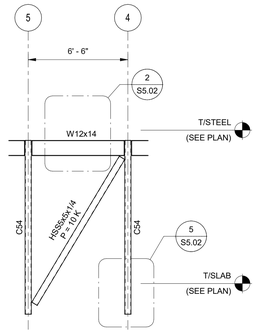
BRACE ELEV C/9-10 — 2 S5.01

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



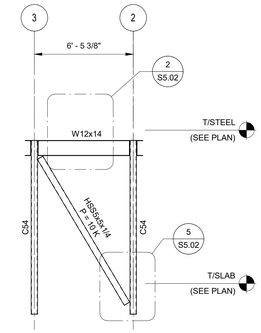
BRACE ELEV H/10-11 — 3 S5.01

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



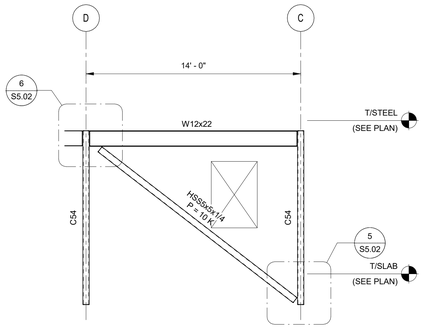
BRACE ELEV H/4-5 — 4 S5.01

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



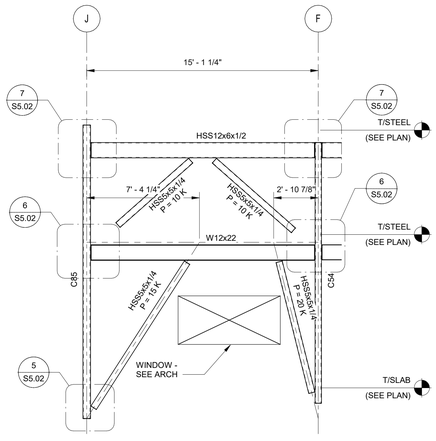
BRACE ELEV H/2-3 — 5 S5.01

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



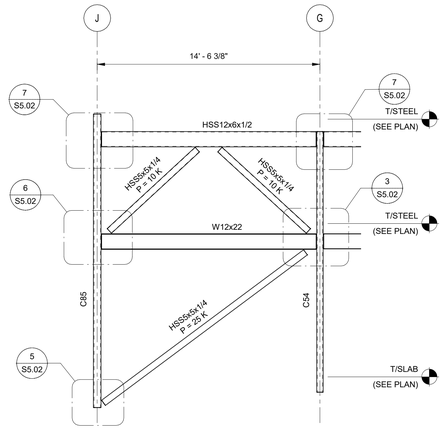
BRACE ELEV 1/C-D — 6 S5.01

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



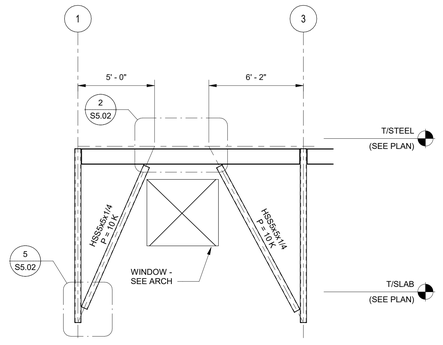
BRACE ELEV 7/F-J — 7 S5.01

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



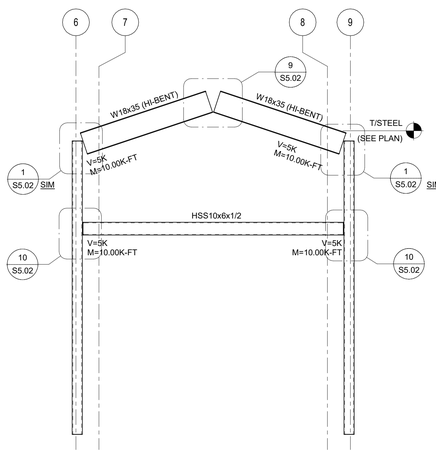
BRACE ELEV 9/G-J — 8 S5.01

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



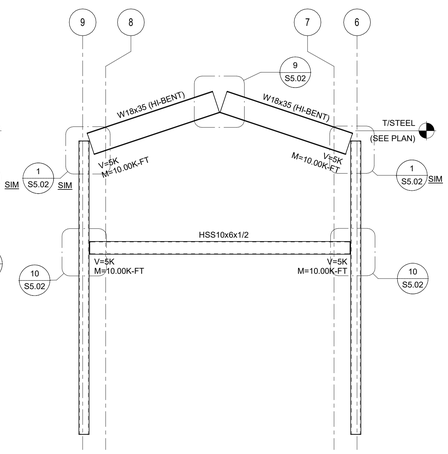
BRACE ELEV C/1-3 — 9 S5.01

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



MOMENT FRAME ELEV - FRONT ENTRY — 10 S5.01

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



MOMENT FRAME ELEV - BACK ENTRY — 11 S5.01

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

BRACED FRAME ELEVATION NOTES:

1. BRACE FORCES SHOWN ON ELEVATIONS ARE SERVICE LEVEL (ALLOWABLE STRESS DESIGN). BRACE CONNECTIONS SHALL BE DESIGNED FOR BOTH COMPRESSION AND TENSION, UNLESS NOTED OTHERWISE.
2. BRACE CONNECTION DETAILS SHOWN ARE INTENDED TO CONVEY STRUCTURAL DESIGN INTENT. STRUCTURAL STEEL FABRICATOR SHALL COMPLETE THE DESIGN OF ALL BRACE CONNECTIONS. CONNECTION DESIGN CALCULATIONS PREPARED BY A REGISTERED DESIGN PROFESSIONAL LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED SHALL BE SUBMITTED FOR REVIEW PRIOR TO CONSTRUCTION - SEE GENERAL NOTES AND DIVISION 05 SPECIFICATIONS.

PES STRUCTURAL ENGINEERS

ADDRESS 1852 Century Place NE, Suite 201, Atlanta, Georgia 30345
PHONE 770.457.5803 **FAX** 770.457.9989 **WEB** www.pesengineers.com

PES PROJECT NUMBER:0230397
PES GEORGIA COA NUMBER: PEF000799
EXPIRATION DATE: 06/30/2024

GMC

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6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
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JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
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GMC # AATL230012

GEORGIA REGISTERED No. SE000523 STRUCTURAL PROFESSIONAL MICHAEL PLANER

1/29/2024

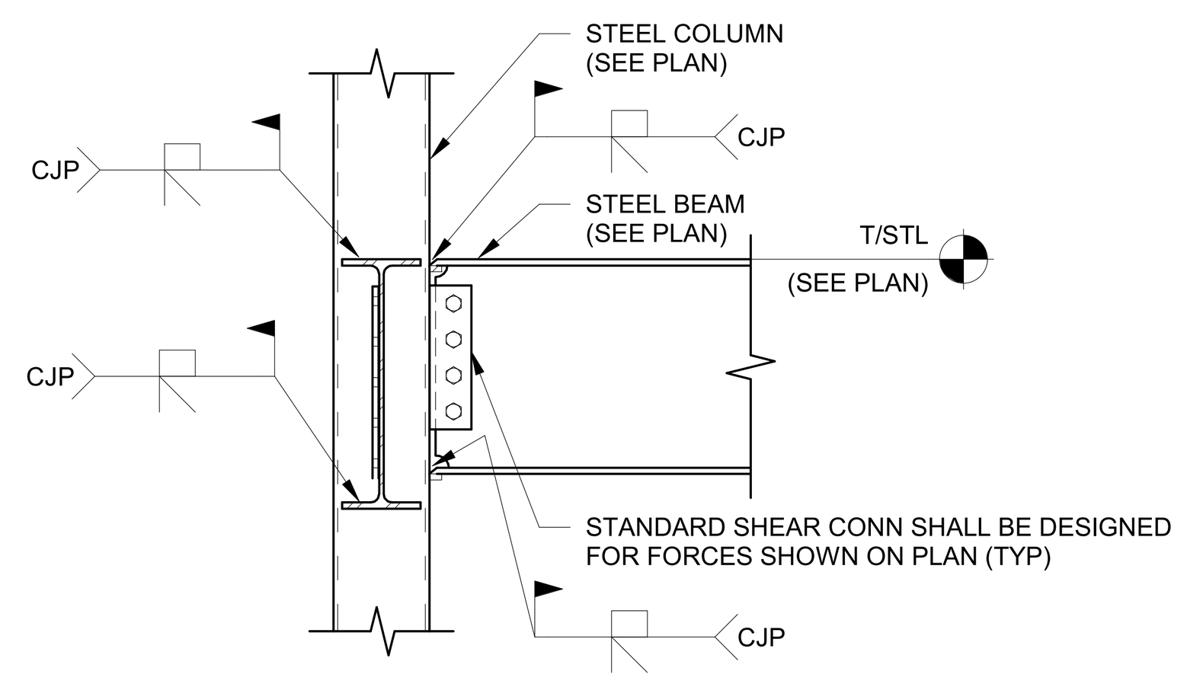
BRACE ELEVATIONS

S5.01

TEMPLATE VERSION: 2022.1
1/29/2024 4:52:12 PM

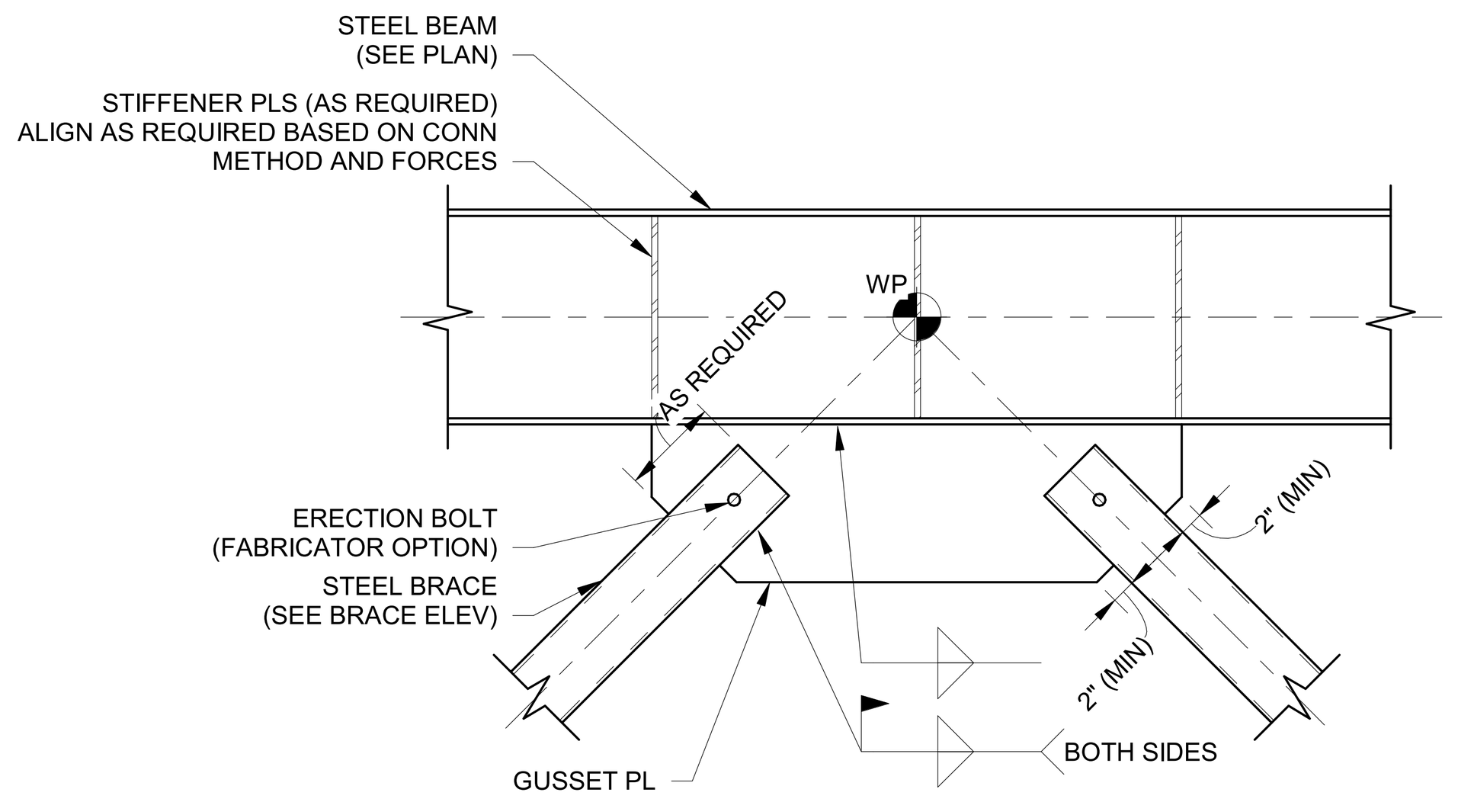
NOTES:

1. FABRICATOR HAS THE OPTION TO USE ALTERNATE MOMENT CONNECTION. SUBMIT DETAIL FOR REVIEW AND ACCEPTANCE PRIOR TO SUBMITTING SHOP DRAWINGS. IF BOLTED FLANGE PLATES ARE PROPOSED, SUBMITTAL SHALL INCLUDE FLANGE EXTENSION PLATES OR ANGLES FOR DECK SUPPORT.
2. FABRICATOR SHOULD COORDINATE FIT UP PLATES AS REQUIRED.
3. FOR TOP OF COLUMN CONDITION, EXTEND COLUMN AS REQUIRED FOR CONNECTION (2" MAXIMUM) AND PROVIDE A 3/4" CAP PLATE.



TYPICAL WIDE FLANGE BEAM TO HSS COLUMN MOMENT CONNECTIONS - SECTION 1 S5.02

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

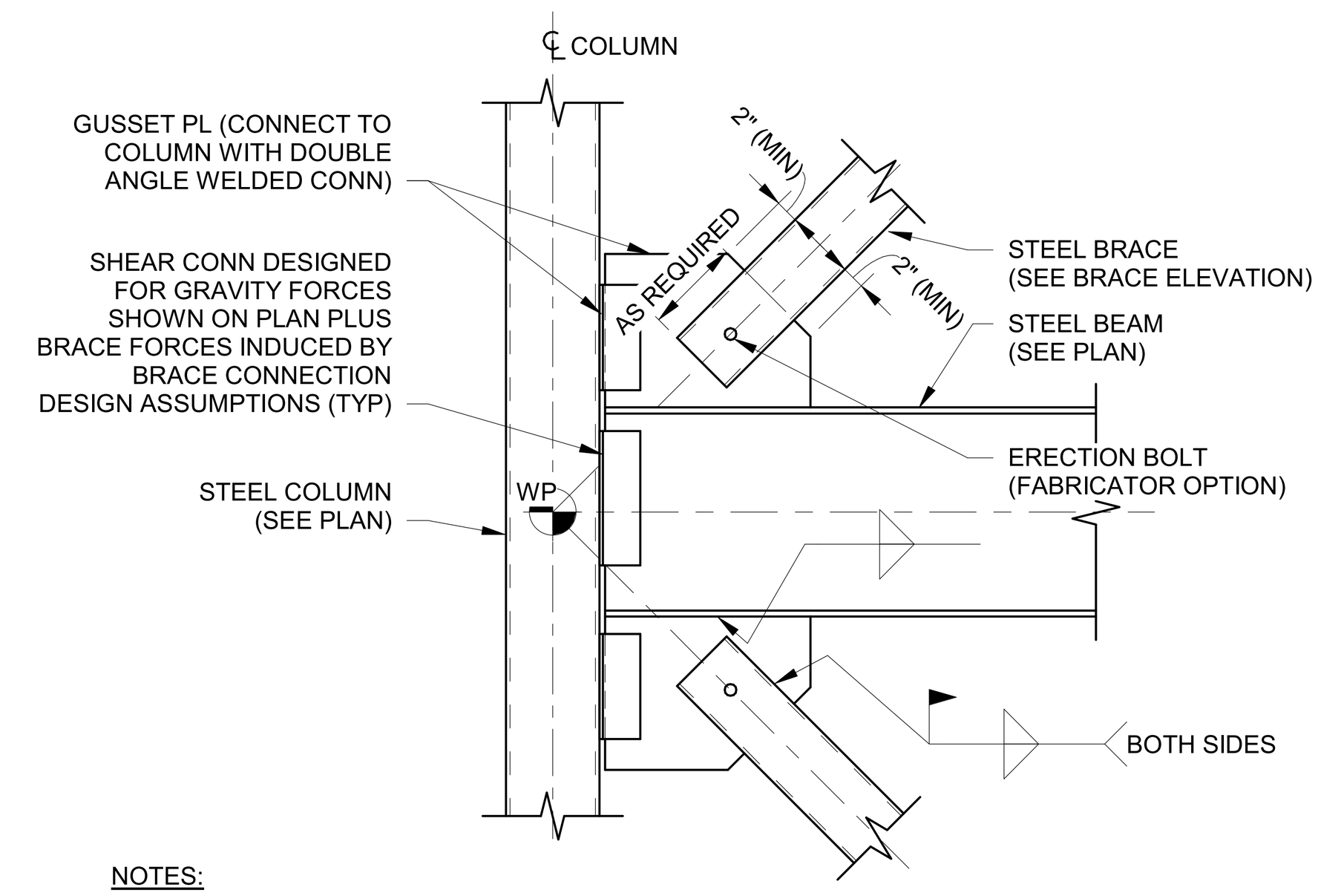


NOTES:

1. FABRICATOR SHALL SUBMIT BRACE CONNECTION CALCULATIONS WITH SHOP DRAWINGS. CONNECTIONS SHALL BE DESIGNED FOR FORCES SHOWN ON BRACE ELEVATIONS AND FRAMING PLANS.
2. AT SIMILAR CONDITIONS THE BRACING COULD BE PRESENT AT THE TOP OF THE BEAM.

WIDE FLANGE BEAM WITH BRACE CONNECTION - SECTION 2 S5.02

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

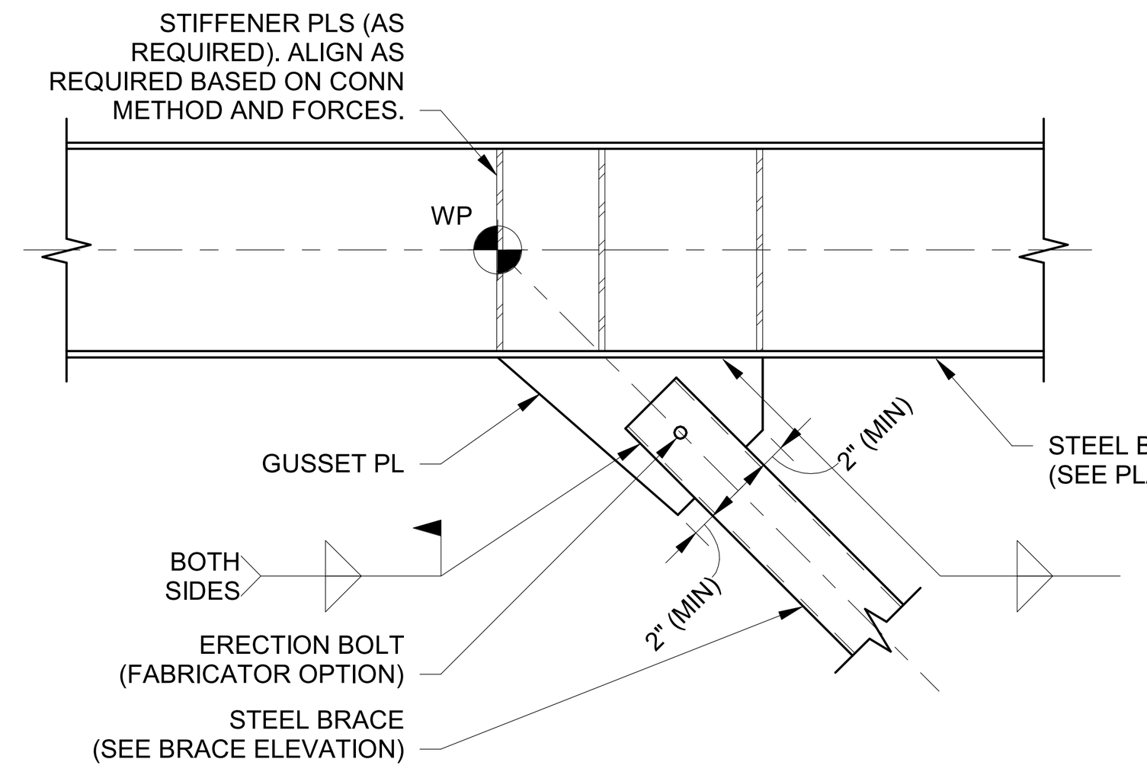


NOTES:

1. FABRICATOR SHALL SUBMIT BRACE CONNECTION CALCULATIONS WITH SHOP DRAWINGS. CONNECTIONS SHALL BE DESIGNED FOR FORCES SHOWN ON BRACE ELEVATIONS AND FRAMING PLANS.
2. FABRICATOR HAS THE OPTION TO USE BOLTED GUSSET CONNECTIONS. SUBMIT DETAIL FOR REVIEW AND ACCEPTANCE PRIOR TO SUBMITTING SHOP DRAWINGS.
3. AT SIMILAR CONDITIONS EITHER THE TOP OR BOTTOM BRACE WILL NOT BE PRESENT.

WIDE FLANGE BEAM TO HSS COLUMN WITH BRACE CONNECTION - SECTION 3 S5.02

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

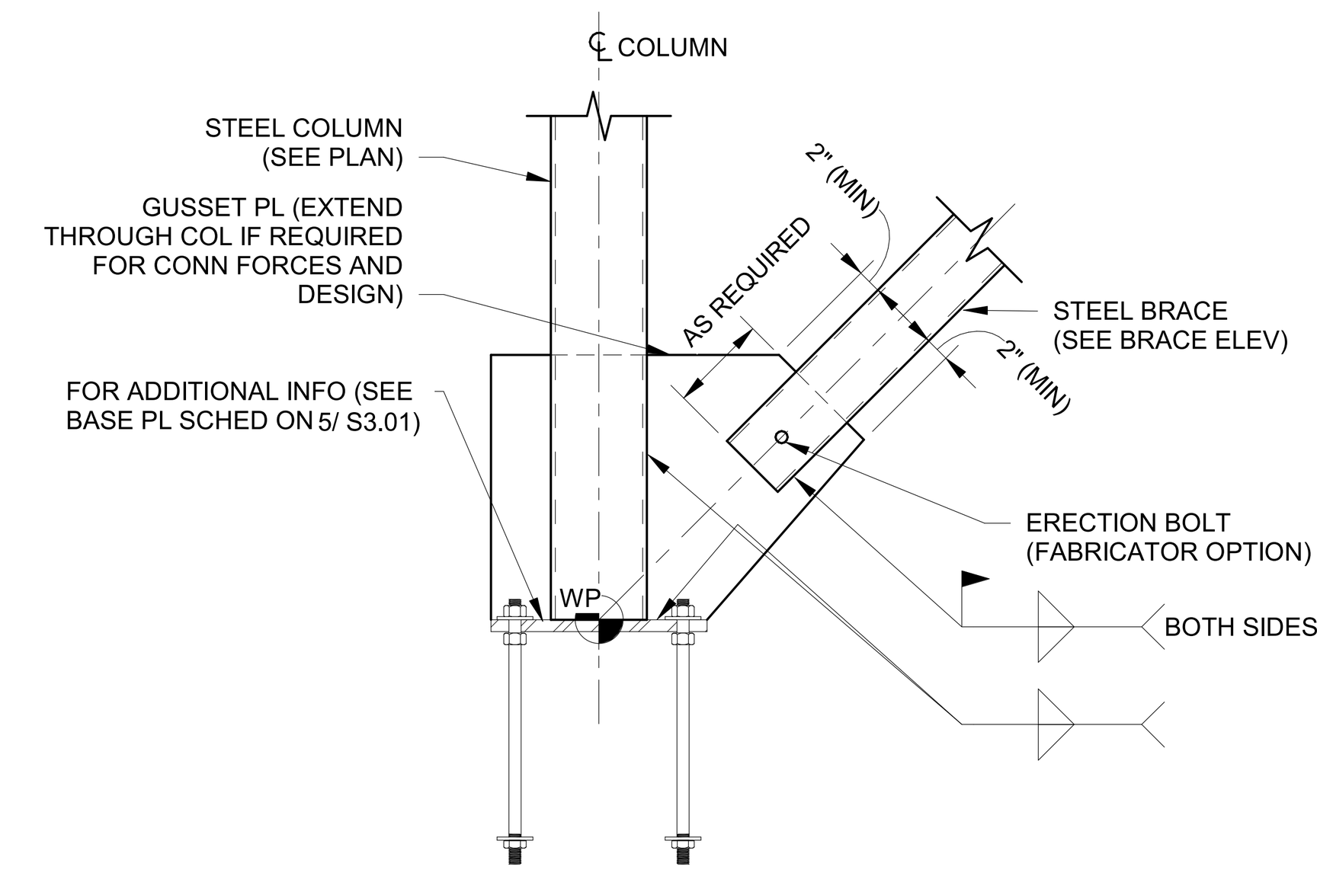


NOTES:

1. FABRICATOR SHALL SUBMIT BRACE CONNECTION CALCULATIONS WITH SHOP DRAWINGS. CONNECTIONS SHALL BE DESIGNED FOR FORCES SHOWN ON BRACE ELEVATIONS AND FRAMING PLANS.
2. AT SIMILAR CONDITIONS THE BRACING COULD BE PRESENT AT THE TOP OF THE BEAM.

WIDE FLANGE BEAM WITH BRACE CONNECTION - SECTION 4 S5.02

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

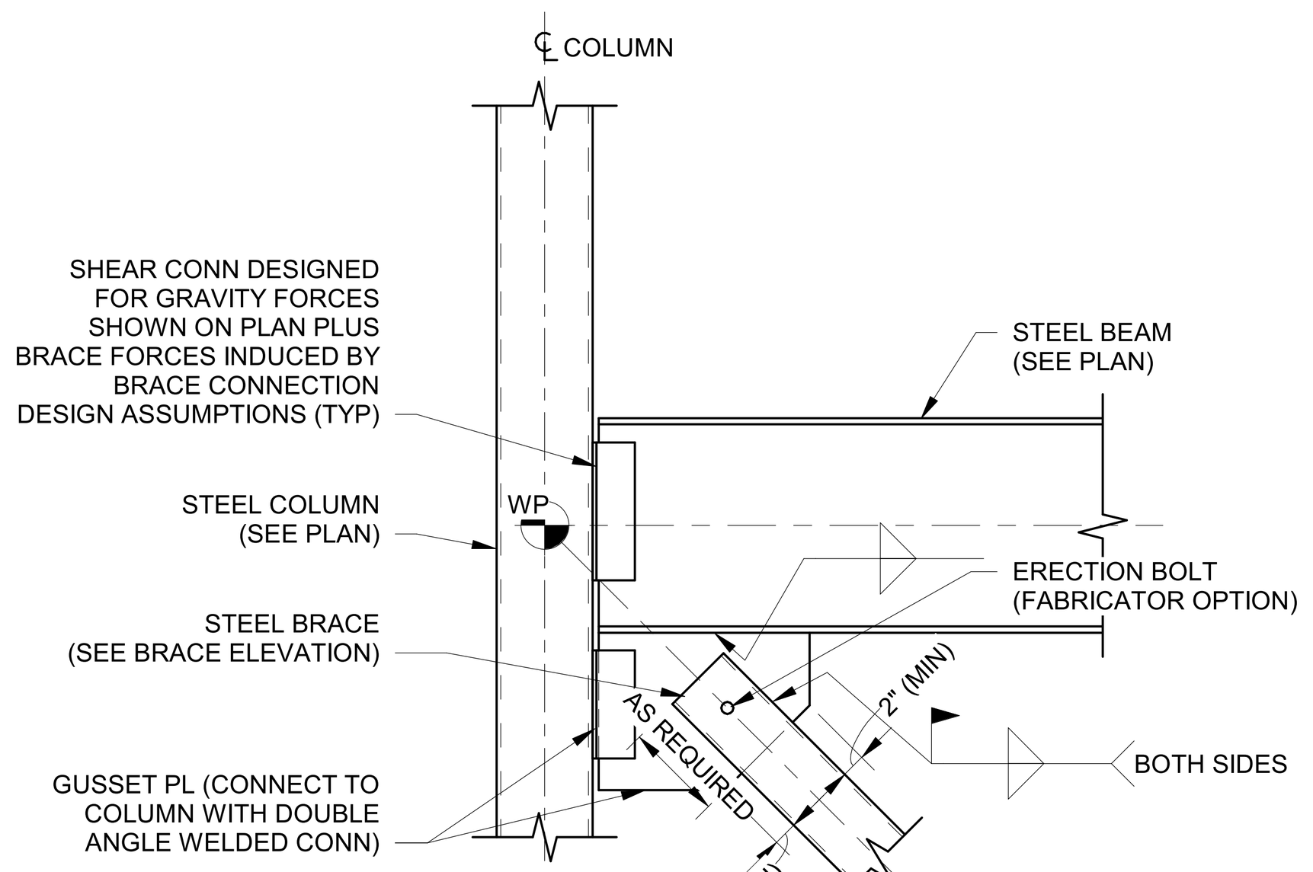


NOTES:

1. FABRICATOR SHALL SUBMIT BRACE CONNECTION CALCULATIONS WITH SHOP DRAWINGS. CONNECTIONS SHALL BE DESIGNED FOR FORCES SHOWN ON BRACE ELEVATIONS AND FRAMING PLANS.

HSS COLUMN BASE WITH BRACE CONNECTION - SECTION 5 S5.02

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

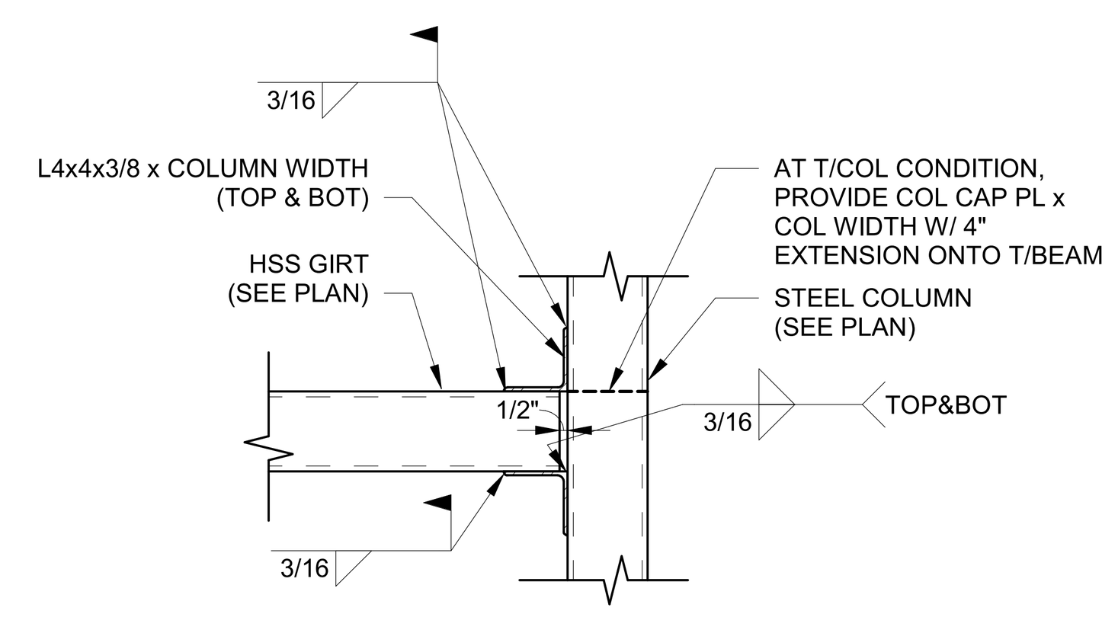


NOTES:

1. FABRICATOR SHALL SUBMIT BRACE CONNECTION CALCULATIONS WITH SHOP DRAWINGS. CONNECTIONS SHALL BE DESIGNED FOR FORCES SHOWN ON BRACE ELEVATIONS AND FRAMING PLANS.
2. FABRICATOR HAS THE OPTION TO USE BOLTED GUSSET CONNECTIONS. SUBMIT DETAIL FOR REVIEW AND ACCEPTANCE PRIOR TO SUBMITTING SHOP DRAWINGS.
3. AT SIMILAR CONDITIONS EITHER THE TOP OR BOTTOM BRACE WILL NOT BE PRESENT.

WIDE FLANGE BEAM TO HSS COLUMN WITH BRACE CONNECTION - SECTION 6 S5.02

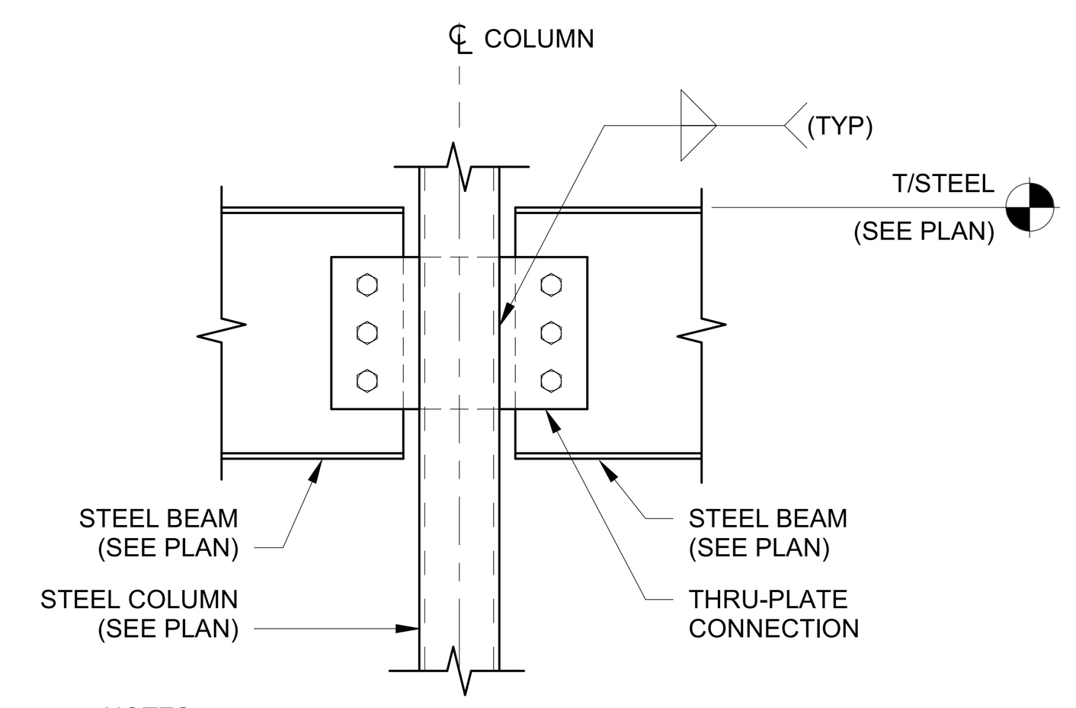
SCALE: 3/4" = 1'-0"



HSS BEAM IN-PLANE WITH COLUMN

TYPICAL HSS BEAM TO HSS COLUMN CONNECTION - DETAIL 7 S5.02

SCALE: 1" = 1'-0"

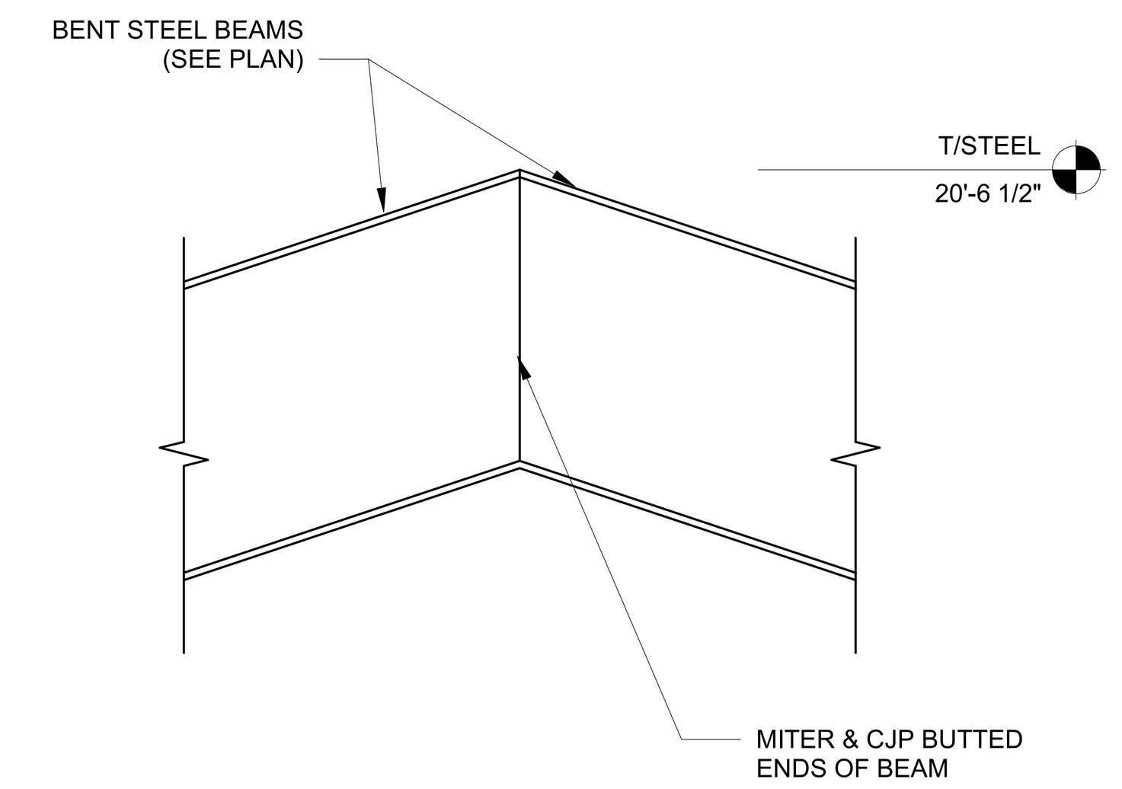


NOTES:

1. FABRICATOR SHALL SUBMIT DRAG CONNECTION CALCULATIONS WITH SHOP DRAWINGS. CONNECTIONS SHALL BE DESIGNED FOR FORCES SHOWN ON BRACE ELEVATIONS AND FRAMING PLANS.

DRAG CONNECTION AT BEAM TO HSS COLUMN - SECTION 8 S5.02

SCALE: 1" = 1'-0"

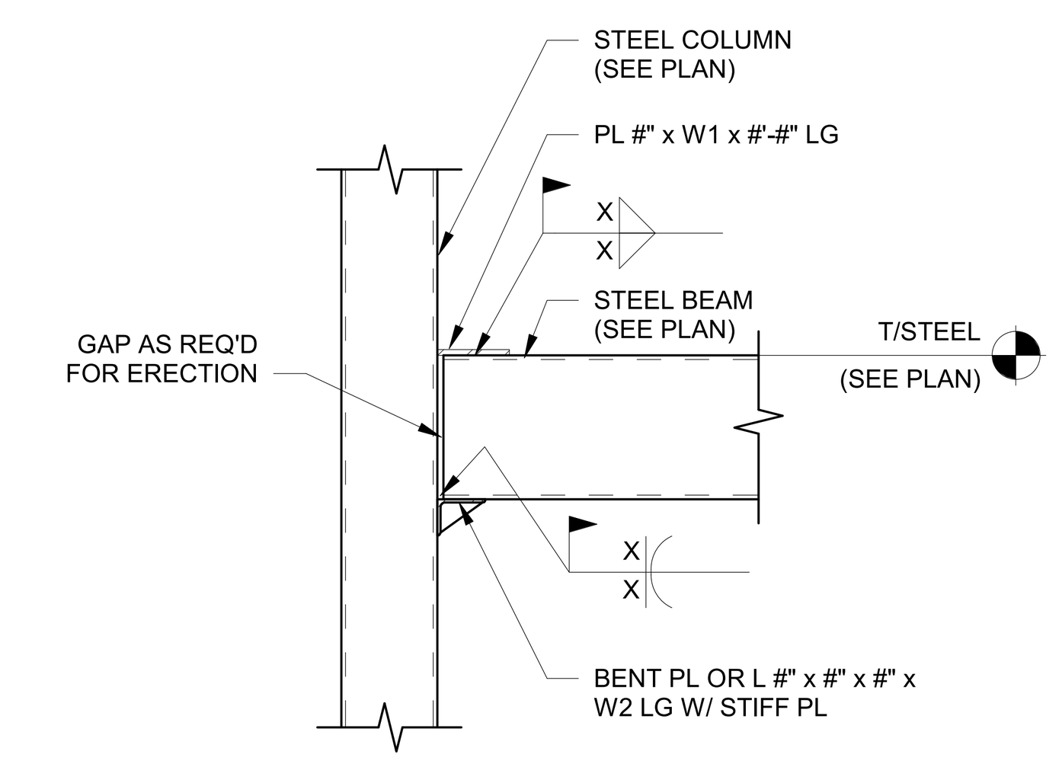


BENT BEAM-DETAIL 9 S5.02

SCALE: 1" = 1'-0"

NOTES:

1. FABRICATOR HAS THE OPTION TO USE ALTERNATE MOMENT CONNECTION. SUBMIT DETAIL FOR REVIEW AND ACCEPTANCE PRIOR TO SUBMITTING SHOP DRAWINGS. FABRICATOR SHOULD COORDINATE FIT UP PLATES AS REQUIRED.
2. FOR TOP OF COLUMN CONDITION, EXTEND COLUMN AS REQUIRED FOR CONNECTION (2" MAXIMUM) AND PROVIDE A 3/4" CAP PLATE.
3. W1 SHALL BE 1" LESS THAN BEAM FLANGE WIDTH. W2 SHALL BE 1" GREATER THAN BEAM FLANGE WIDTH.
4. PLATE THICKNESS AND LENGTH DESIGNATED "#" SHALL BE DESIGNED BY CONNECTION ENGINEER FOR CONNECTION FORCES SHOWN ON PLAN.



TYPICAL HSS BEAM TO HSS COLUMN MOMENT CONNECTIONS - SECTION 10 S5.02

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

1/29/2024 4:52:14 PM TEMPLATE VERSION: 2022.1

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PES GEORGIA COA NUMBER: PEF000799
EXPIRATION DATE: 06/30/2024

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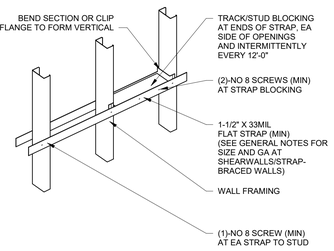
GEORGIA REGISTERED No. SE000003 STRUCTURAL ENGINEER MICHAEL PLANER
1/29/2024

STEEL CONNECTION DETAILS

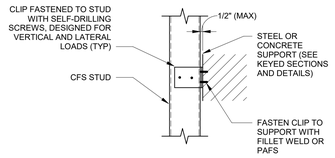
S5.02



TYPICAL STEEL STUD STRAP BRIDGING - ISOMETRIC

SCALE: 1" = 1'-0"

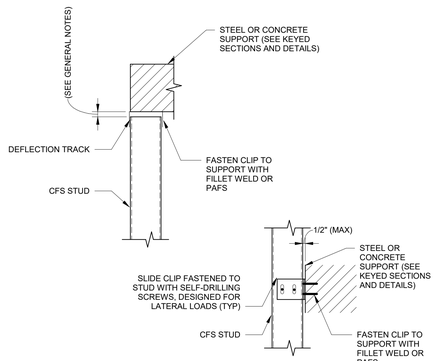
1 S5.31



TYPICAL RIGID STUD CONNECTION - SECTION

SCALE: 1" = 1'-0"

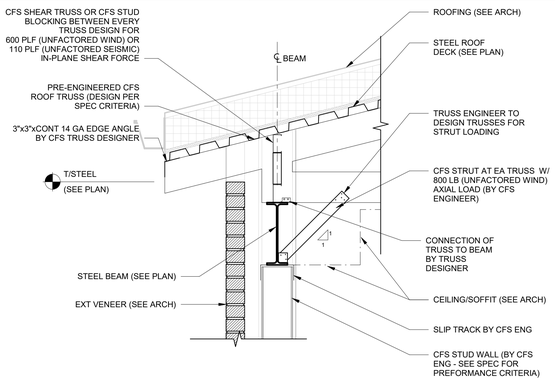
2 S5.31



TYPICAL VERTICAL DEFLECTION STUD CONNECTIONS - SECTION

SCALE: 1" = 1'-0"

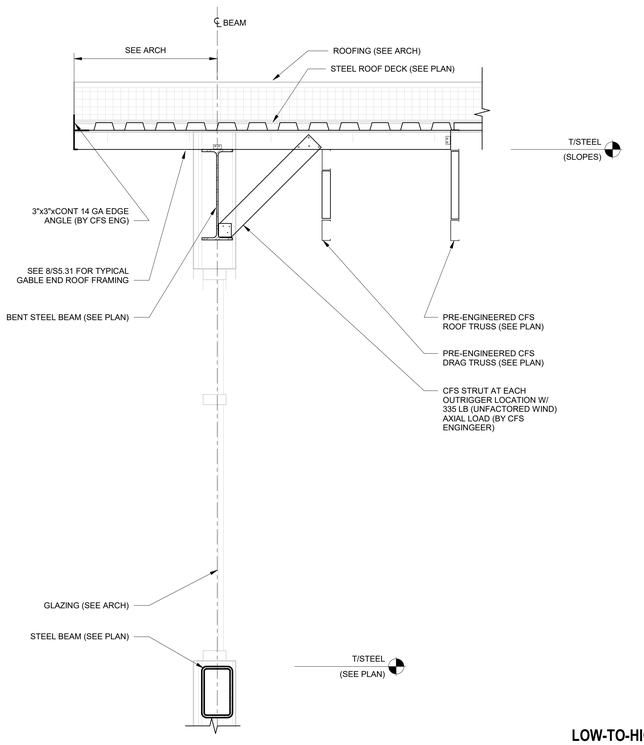
3 S5.31



SECTION THRU EXT ROOF FRAMING

SCALE: 1" = 1'-0"

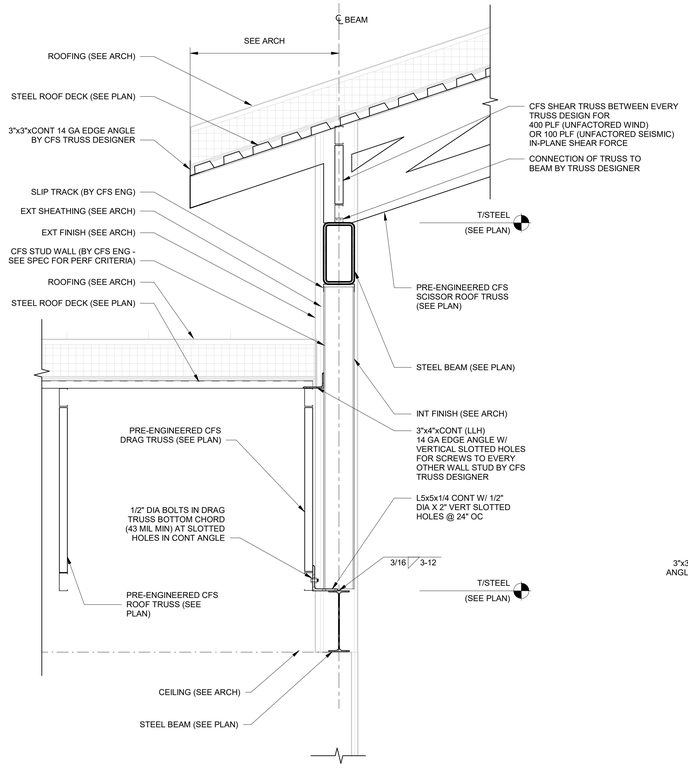
4 S5.31



GABLE END ROOF DETAIL (HIGH ROOF) - SECTION

SCALE: 1" = 1'-0"

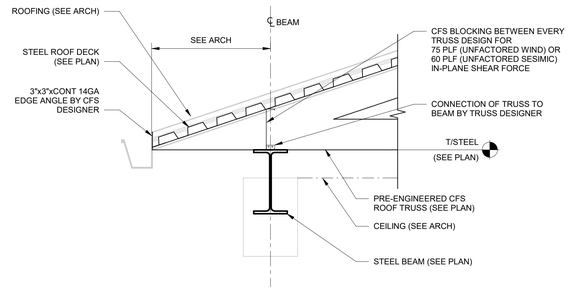
5 S5.31



LOW-TO-HIGH ROOF FRAMING - SECTION

SCALE: 1" = 1'-0"

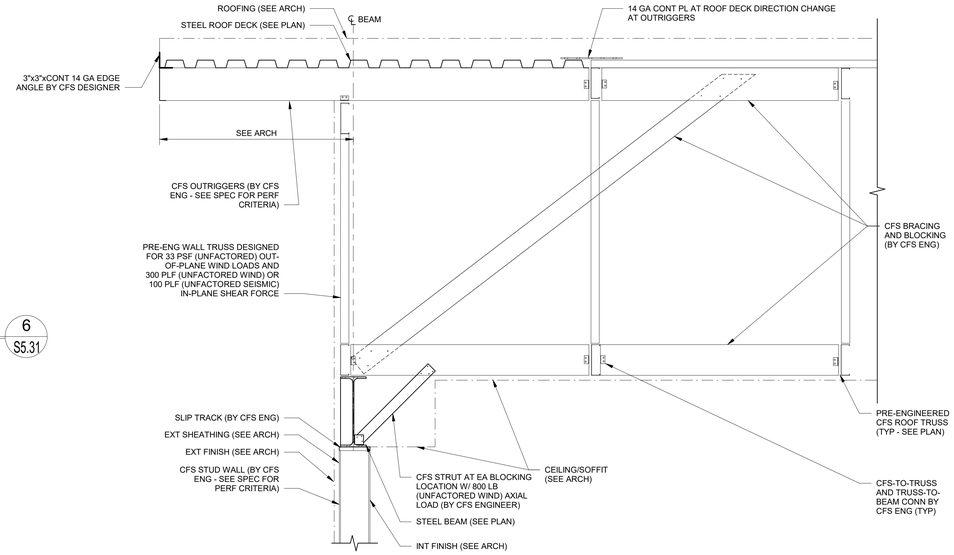
6 S5.31



ROOF AT DROP OFF PORTE COCHERE - SECTION

SCALE: 1" = 1'-0"

7 S5.31



TYPICAL GABLE END ROOF DETAIL ON STEEL BEAM - SECTION

SCALE: 1" = 1'-0"

8 S5.31

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JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT

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GEORGIA REGISTERED No. 35000203 STRUCTURAL ENGINEER MICHAEL PLANER

1/29/2024

STEEL ROOF FRAMING DETAILS - CFSF

S5.31

PES STRUCTURAL ENGINEERS

ADDRESS 1852 Century Place NE, Suite 201, Atlanta, Georgia 30345
PHONE 770.457.5923 **FAX** 770.457.9989 **WEB** www.pesengineers.com

PES PROJECT NUMBER:0230397
PES GEORGIA COA NUMBER: PEF000799
EXPIRATION DATE: 06/30/2024

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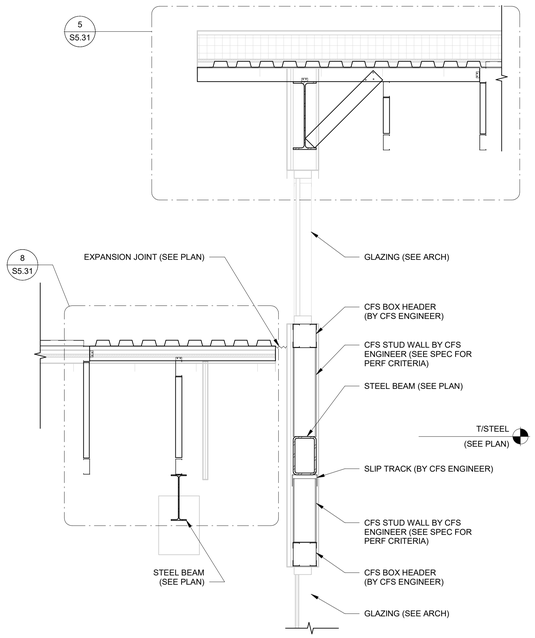
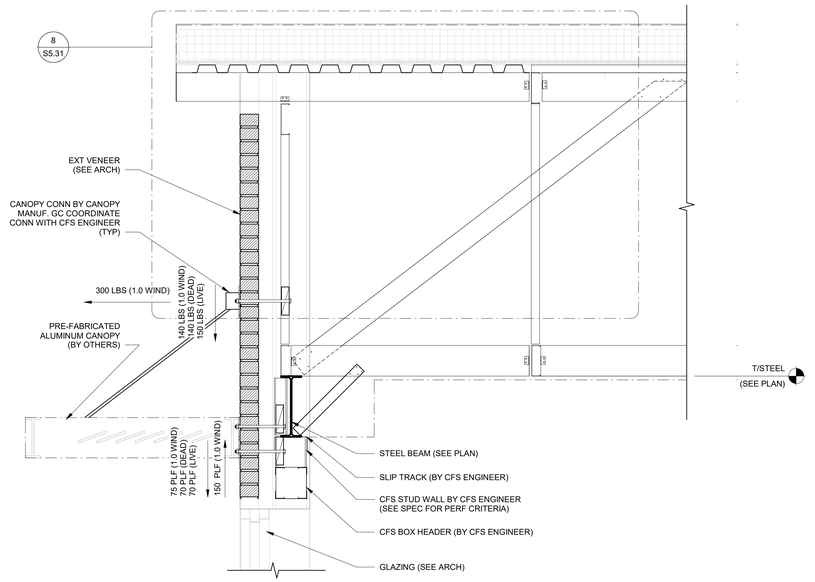


PORTE COCHERE TO MAIN BLDG - SECTION 1 S5.32

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



PRE-FAB CANOPY AT GABLE END - SECTION 2 S5.32

SCALE: 1" = 1'-0"

GMC

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Atlanta, GA 30339
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500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

GEORGIA REGISTERED No. SE000283 STRUCTURAL ENGINEER MICHAEL PLANER
1/29/2024

STEEL ROOF FRAMING DETAILS - CFSF

S5.32

PES STRUCTURAL ENGINEERS
ADDRESS 1852 Century Place NE, Suite 201, Atlanta, Georgia 30345
PHONE 770.457.5923 **FAX** 770.457.9989 **WEB** www.pesengineers.com

PES PROJECT NUMBER:0230397
PES GEORGIA COA NUMBER: PEF000799
EXPIRATION DATE: 06/30/2024

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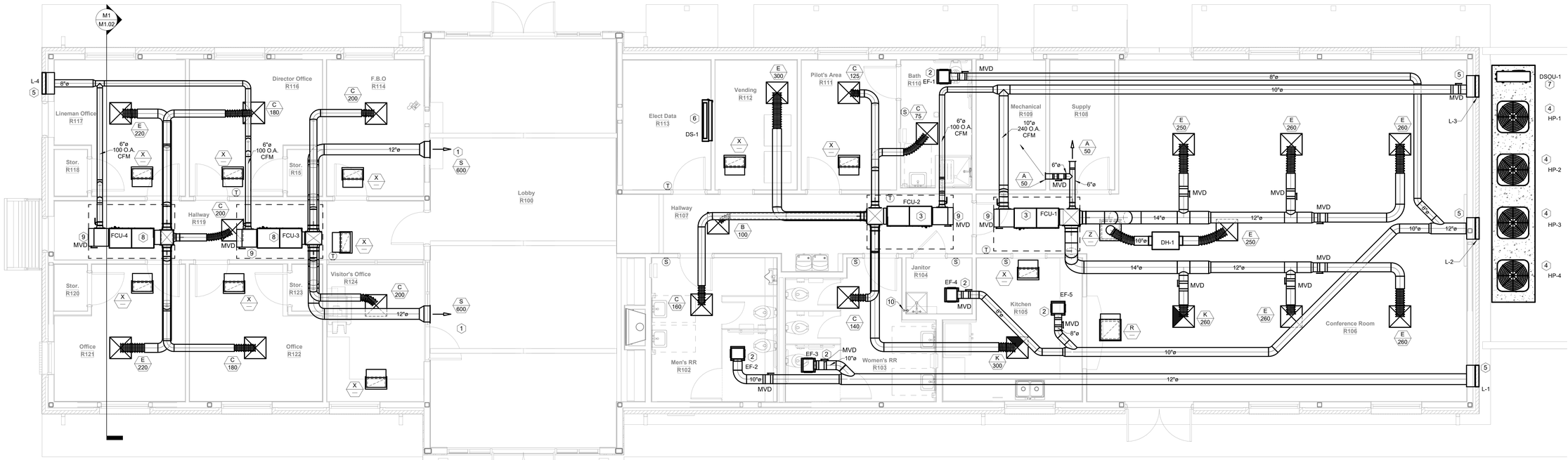

M1 HVAC - FLOOR PLAN

TRUE NORTH

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

GENERAL NOTES:

1. ALL DUCT PENETRATIONS THROUGH WALLS SHALL BE SEALED. THE INTERSTITIAL SPACE BETWEEN THE DUCT AND WALL SHALL BE SEALED WITH CAULK. WHEN FIRE, SMOKE, OR FIRE-SMOKE DAMPERS ARE USED, REFER TO THE MANUFACTURERS REQUIREMENTS FOR SEALING.
2. ALL FAN COIL UNITS UTILIZE THE CEILING SPACE FOR A RETURN PLENUM AND ALL EXPOSED MATERIALS SHALL BE NONCOMBUSTIBLE OR A MAXIMUM FLAME SPREAD INDEX OF 25 AND A MAXIMUM SMOKE DEVELOPMENT INDEX OF 50.
3. ALL SUPPLY DIFFUSERS SHALL HAVE A MINIMUM THROW OF 10 FEET AT 100 FPM FOR FULL ROOM COVERAGE.
4. ALL FIRE DAMPERS AND FIRE/SMOKE DAMPERS SHALL HAVE A MINIMUM FIRE RESISTANCE RATING OF 1-1/2 HOURS U.N.O.
5. ALL MECHANICAL EQUIPMENT SHALL BE CONTROLLED BY A COMPUTERIZED ENERGY MANAGEMENT SYSTEM.
6. ALL ROOF MOUNTED EQUIPMENT SHALL BE LOCATED A MINIMUM OF 10' FROM EDGE OF ROOF.
7. TRANSITION FROM SHOWN DUCT SIZE TO WALL GRILLE NECK SIZE.
8. MECHANICAL CONTRACTOR SHALL COORDINATE AND PROVIDE ACCESS PANELS TO THE GENERAL CONTRACTOR TO INSTALL AS REQUIRED IN SPECIFICATION.
9. THE BID DOCUMENTS ARE DESIGNED BASED ON THE BASIS OF DESIGN. IF A LISTED "EQUAL" IS USED IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO MAKE ANY REVISIONS AND MODIFICATIONS REQUIRED TO ACCOMMODATE THE "EQUAL" MANUFACTURER AT NO ADDITIONAL COST TO THE OWNER.
10. PROVIDE AN EMERGENCY STOP BUTTON (MUSHROOM TYPE WITH COVER) LOCATED IN ADMINISTRATION AREA TO SHUT DOWN ALL EXHAUST FANS AND CLOSE ALL OUTSIDE AIR DAMPERS WHEN DEPRESSED.
11. MINIMUM 10' SEPARATION BETWEEN O.A. INTAKES AND EXHAUST OR PLUMBING VENTS.
12. COORDINATE THE EXACT LOCATION OF WALL MOUNTED SWITCHES AND SENSORS WITH DIVISION 26.
13. PROVIDE & INSTALL STEPDOWN TRANSFORMERS AS REQUIRED WHEN 120V IS PROVIDED FOR A 24V DEVICE.
14. ALL SUPPLY AND EXHAUST BRANCH DUCTS SHALL BE PROVIDED WITH VOLUME DAMPERS - ROUND AND RECTANGULAR DAMPERS SHALL BE PROVIDED WITH CONTINUOUS SQUARE SHAFT, END BEARINGS, 2" STANDOFF BRACKET AND LOCKING QUADRANTS.
15. WHERE DUCT MOUNTED SMOKE DETECTOR ARE REQUIRED FOR HVAC EQUIPMENT SHUT DOWN, THE DUCT MOUNTED SMOKE DETECTORS SHALL BE INSTALLED IN THE SUPPLY DUCT OF UNIT SERVED PRIOR TO ANY BRANCH DUCTS.
16. VOLUME DAMPERS SHALL ACCESSIBLE VIA A STEP LADDER AND REACHING ABOVE THE CEILING.
17. BRANCH DUCTWORK SHALL BE THE SAME SIZE AS THE AIR DISTRIBUTION DEVICE SERVED U.N.O.
18. HVAC SYSTEM COMPONENT LOCATIONS ARE DIAGRAMMATIC IN NATURE. COORDINATE EQUIPMENT LOCATIONS WITH DUCTWORK, PIPING, CONDUIT, CABLING, & STRUCTURAL MEMBERS TO ENSURE THAT ALL MANUFACTURER'S REQUIRED CLEARANCES ARE MET. COORDINATE ROOF MOUNTED EQUIPMENT LOCATIONS WITH STRUCTURAL MEMBERS TO AVOID DUCT/STRUCTURE CONFLICTS.
19. CONTRACTOR SHALL COORDINATE EQUIPMENT VOLTAGES WITH THE ELECTRICAL CONTRACTOR AND ELECTRICAL PLANS PRIOR TO ORDERING.
20. ALL PENETRATIONS THROUGH A SMOKE PARTITION SHALL BE FIRE CAULKED AROUND THE PENETRATION SMOKE TIGHT. SEE ARCHITECTURAL LIFE SAFETY PLANS FOR WALL RATINGS.
21. ROUTE CONDENSATE FROM FAN COIL UNITS TO NEAREST DRAIN. DRAIN LINE SHALL BE INSULATED COPPER RUN AT UNIFORM MIN 1/8" SLOPE. ALL CONDENSATE DRAINS SHALL BE ROUTED AS CLOSE TO THE WALL AS POSSIBLE. SEE PLUMBING DRAWINGS FOR LOCATION OF DRAINS.
22. WHERE MULTIPLE SPACES ARE SERVED BY A SINGLE UNIT ALL EXHAUST AND RETURN AIR PATHS SHALL BE PROVIDED WITH A MANUAL BALANCING DAMPER. WHERE BALANCING DAMPER IS NOT SHOWN ON PLAN, THE EXHAUST/RETURN GRILLE SHALL BE PROVIDED WITH AN O.B.D. ROUND AND RECTANGULAR DAMPERS SHALL BE PROVIDED WITH CONTINUOUS SQUARE SHAFT, END BEARINGS, 2" STANDOFF BRACKET AND LOCKING QUADRANTS.
23. RETURN GRILLES OPENING TO A RETURN AIR PLENUM SHALL BE PROVIDED WITH A SOUND BOOT. SEE DETAIL.
24. WHERE MULTIPLE SENSORS (TEMP, HUMIDITY, AND CO2) ARE SHOWN IN ONE ROOM, A SINGLE MULTIFUNCTION SENSOR SHALL BE PROVIDED BY THE BUILDING CONTROLS PROVIDER.
25. ALL EQUIPMENT SHALL BE LABELED PER SPECIFICATION REQUIREMENTS. EQUIPMENT LABELS SHALL INCLUDE UNIT NUMBER AND ROOM NAME AND NUMBER OF THE SPACE SERVED.
26. DIFFUSERS LOCATED ADJACENT TO TEMPERATURE SENSORS SHALL BE 3-WAY BLOW TYPE PER DETAIL.
27. WHERE RETURN DUCTWORK STUBS INTO MECHANICAL CLOSET, THE PERIMETER OF THE RETURN DUCT SHALL BE SEALED AT THE WALL PENETRATION.
28. ALL DUCTWORK, PIPING ETC. SHALL BE CONCEALED, LOCATED ABOVE CEILING OR IN CHASE U.N.O.
29. ALL EXHAUST FANS, RELIEF HOODS, FLUES AND PLUMBING VENTS SHALL BE A MINIMUM OF 10' FROM ANY OUTSIDE AIR INTAKES.
30. CONTRACTOR SHALL COORDINATE ALL CONTROL DEVICE ELECTRICAL REQUIREMENTS AND LOCATIONS WITH ELECTRICAL CONTRACTOR.
31. WHERE DUCTWORK, PIPING AND CONDUIT ARE NOT CONCEALED ABOVE A CEILING, THEY SHALL BE PAINTED. COORDINATE COLOR WITH GENERAL CONTRACTOR AND ARCHITECT.
32. WHERE DAMPERS, VALVES AND EQUIPMENT ARE LOCATED ABOVE A HARD CEILING, ACCESS PANELS SHALL BE PROVIDED AND INSTALLED. ACCESS PANELS SHALL BE A MINIMUM OF 18"x18" BUT SHALL BE LARGE ENOUGH TO PROVIDE ACCESS TO CONCEALED DEVICES. IF ACCESS PROVIDED IS NOT LARGE ENOUGH TO PROVIDE ACCESS TO CONCEALED DEVICE, THE ACCESS PANEL SHALL BE REPLACED WITH THE APPROPRIATE SIZE ACCESS PANEL. CONTRACTOR SHALL DEMONSTRATE ADEQUATE ACCESS HAS BE ACHIEVE TO THE OWNER.
33. MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCTWORK NOTED TO BE ROUTED IN THE JOIST BAY AND WEB WITH THE GENERAL CONTRACTOR FOR COORDINATION WITH THE STRUCTURAL FABRICATOR. THE GENERAL CONTRACTOR SHALL COORDINATE CROSS BRACING BETWEEN JOIST AND ROUTING OF DUCTWORK WITHIN JOIST.

DRAWING LEGEND

SYMBOL	DEFINITION	SYMBOL	DEFINITION
	SUPPLY DIFFUSER		RETURN GRILLE
X 000	AIR DEVICE DESIGNATOR	T	THERMOSTAT
X XX'-XX" 000 A.F.F.	SIDEWALL GRILLE DESIGNATOR. A.F.F. HEIGHT IS TO BOTTOM OF GRILLE FACE		DUCTWORK OFFSETS
H	HUMIDISTAT	CO2	CARBON DIOXIDE SENSOR
	SPIN-IN WITH VOLUME DAMPER	MVD	MANUAL VOLUME DAMPER
SD	SMOKE DAMPER	FD	FIRE DAMPER
FSD	FIRE/SMOKE DAMPER	DH-	DEHUMIDIFICATION UNIT
FCU-	FAN COIL UNIT	HP-	HEAT PUMP
EF-	EXHAUST FAN	L-	LOUVER
U.N.O.	UNLESS NOTED OTHERWISE	A.F.F.	ABOVE FINISHED FLOOR

DUCT SIZING CHART	
FLOW RATE (CFM)	SIZE (DIAMETER)
0-100	6"
101-200	8"
201-400	10"
401-600	12"

CHART CAN BE USED IF DUCT MAIN NEEDS TO BE SPLIT INTO MULTIPLE DUCTS TO FIT THROUGH TRUSS WEB.

KEYNOTES: (APPLIES TO THIS SHEET ONLY)

1. SIDEWALL AIR DEVICE SHALL BE MOUNTED ON WALL APPROXIMATELY 9' 6" A.F.F.
2. CEILING MOUNTED EXHAUST FAN SHALL BE MOUNTED IN CEILING GRID.
3. INDOOR FAN COIL UNIT SHALL BE MOUNTED HORIZONTALLY ABOVE CEILING. SUPPORT FROM STRUCTURE. ROUTE 1" CONDENSATE DOWN WALL IN WALL CAVITY AND TURN OUT 3" ABOVE SINK IN JANITORS ROOM - TURN DOWN INTO SINK. COORDINATE REQUIRED INSTALLATION SPACE WITH TRUSS PROVIDER. STRUTURAL PLANS REQUIRE CUSTOM TRUSS AT THE UNITS FOR INSTALLATION. THIS MUST BE COORDIANTE PRIOR TO THE TRUSSES BEING ORDERED. THE UNIT SHALL BE A MINIMUM OF 12" ABOVE THE CEILING. DUCTWORK SHALL BE ROUTED THROUGH THE TRUSS WEBING AND BETWEEN THE TRUSS. REFER TO DUCTWORK SIZING CHART FOR DUCT SIZES IF MODIFICATIONS ARE REQUIRED TO FOR THE SUPPLIED TRUSSES.
4. OUTDOOR SPLIT SYSTEM UNIT SHALL BE MOUNTED ON CONCRETE PAD.
5. LOUVER SHALL BE MOUNTED THROUGH EXTERIOR WALL.
6. WALL MOUNTED DUCTLESS SPLIT SHALL BE MOUNTED APPROX. 7' A.F.F. ROUTE CONDENSATE TO DRAIN IN JANITORS ROOM - TIE INTO CONDENSATE PIPE IN JANITORS ROOM. CONDENSATE AND REFRIGERANT PIPING SHALL BE RECESSED IN WALL CAVITY.
7. DUCTLESS SPLIT HEAT PUMP SHALL BE MOUNTED ON CONCRETE PAD.
8. INDOOR FAN COIL UNIT SHALL BE MOUNTED HORIZONTALLY ABOVE CEILING. SUPPORT FROM STRUCTURE. ROUTE 1" CONDENSATE TO EXTERIOR WALL - SEE P1.01 FOR ROUTING. SEE P3.01 FOR CONDENSATE DRAIN IN EXTERIOR WALL SPILL ON GRADE DETAIL. COORDINATE REQUIRED INSTALLATION SPACE WITH TRUSS PROVIDER. STRUTURAL PLANS REQUIRE CUSTOM TRUSS AT THE UNITS FOR INSTALLATION. THIS MUST BE COORDIANTE PRIOR TO THE TRUSSES BEING ORDERED. THE UNIT SHALL BE A MINIMUM OF 12" ABOVE THE CEILING. DUCTWORK SHALL BE ROUTED THROUGH THE TRUSS WEBING AND BETWEEN THE TRUSS. REFER TO DUCTWORK SIZING CHART FOR DUCT SIZES IF MODIFICATIONS ARE REQUIRED TO FOR THE SUPPLIED TRUSSES.
9. RETURN DUCT SHALL BE SAME SIZE AS FCU CONNECTION SIZE. RETURN SHALL BE OPEN TO PLENUM WITH VOLUME DAMPER TO ALLOW FOR OUTSIDE AIR INTAKE.
10. CONDENSATE PIPING ROUTED DOWN IN WALL CAVITY TO SINK IN JANITORS ROOM.

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

GEORGIA REGISTERED No. 23239 PROFESSIONAL ENGINEER GREGG COX

HVAC - FLOOR PLAN

M1.01

MBA CONSULTING ENGINEERS
MBA# 2366

MATHESON-BALL & ASSOCIATES, INC.
11285 ELKINS RD. SUITE F-3
ROSWELL, GEORGIA 30076
PHONE: (770) 751-0773
WWW.MATHESONBALL.COM

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DUCTLESS SPLIT SYSTEM SCHEDULE											
		COOLING (95°F OA TEMP.)				HEATING (47°F OA TEMP.)			BASIS OF DESIGN		
MARK	CFM	E.A.T. DB/WB (°F)	TOT. MBh	SEN. MBh	SEER	E.A.T. DB/WB (°F)	TOT. MBh	H.S.P.F.	INDOOR UNIT	OUTDOOR UNIT	NOTES
DS-1/DSOU-1	425	80/67	18.0	12.6	15.0	70/60	25.0	9.5	PKA-A18KA	PUZ-A18NHA4	1, 2, 3, 4

NOTES:

1. COOLING CAPACITIES BASED 95°F/75°F AMBIENT. HEATING CAPACITIES BASED ON 17°F/15°F AMBIENT.
2. PROVIDE WITH REMOTE CONDENSATE PUMP LITTLE GIANT OR EQUAL.
3. CONDENSING UNIT OR HEAT PUMP SHALL BE MOUNTED ON EQUIPMENT HOUSEKEEPING PAD WHEN LOCATED ON GRADE. - SEE PLANS FOR UNIT LOCATION.
4. PROVIDE WITH HARDWIRED WALL MOUNTED THERMOSTAT.

FAN SCHEDULE							
MARK	CFM	DRIVE	E.S.P. (IN. W.G.)	HP	TYPE	BASIS OF DESIGN	NOTES
EF-1	150	DIRECT	0.375	0.1	CEILING	GREENHECK SP-A200	1, 2, 3
EF-2	300	DIRECT	0.375	0.2	CEILING	GREENHECK SP-A410	1, 2, 3
EF-3	225	DIRECT	0.375	0.1	CEILING	GREENHECK SP-A250	1, 2, 3
EF-4	125	DIRECT	0.375	0.1	CEILING	GREENHECK SP-A200	1, 2, 3
EF-5	150	DIRECT	0.375	0.1	CEILING	GREENHECK SP-A200	1, 2, 3

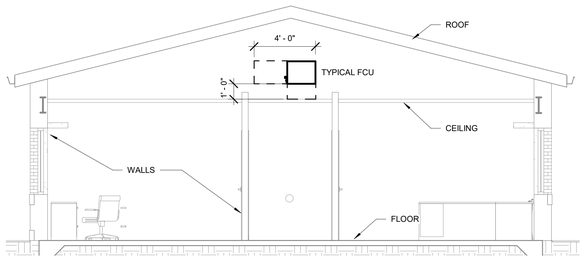
NOTES:

1. PROVIDE WITH BACKDRAFT DAMPER, EC MOTOR AND SPEED CONTROLLER.
2. CONTROL BY WALL SWITCH - PROVIDE WITH TRANSFORMER AND RELAYS AS REQUIRED. - DIVISION 23.
3. INTERLOCK FAN WITH LOUVER MOTORIZED DAMPER. DAMPER SHALL OPEN WHEN FAN IS ENABLED.

DEHUMIDIFICATION SCHEDULE				
Mark	CFM @ 0.0" W.G.	DEHUMIDIFICATION CAPACITY PTS./DAY	BASIS OF DESIGN	NOTES
DH-1	310	130	APRILAIRE 1870W	1

NOTES:

1. PROVIDE WITH INTEGRAL CONTROLS - SET AT 60% RH (ADJUSTABLE).



M1 **TYPICAL FCU - VERTICAL CLEARANCE FROM CEILING**
SCALE: 1/4" = 1'-0"

SPLIT SYSTEM - ELECTRIC										
MARK	CFM	OA CFM	E.S.P. (" W.G.)	HP	SENSIBLE (MBh)	TOTAL (MBh)	REV. CYCLE (MBh)	AUX KW	BASIS OF DESIGN	NOTES
FCU-1/HP-1	1600	240	0.60	.75	34.9	46.0	46.5	3.8	CARRIER FB4CNP048/25HHA448	1, 2, 3, 4
FCU-2/HP-2	1600	100	0.60	.5	22.9	28.1	28.2	3.8	CARRIER FB4CNP036/25HHA430	1, 2, 3, 4
FCU-3/HP-3	1600	100	0.60	.75	34.9	46.0	46.5	3.8	CARRIER FB4CNP048/25HHA448	1, 2, 3, 4
FCU-4/HP-4	1000	100	0.60	.33	22.9	28.1	27.9	3.8	CARRIER FB4CNP030/25HHA430	1, 2, 3, 4

NOTES:

1. COOLING CAPACITIES BASED 95°F/75°F AMBIENT. HEAT PUMP CAPACITIES BASED ON 17°F/15°F AMBIENT.
2. PROVIDE HORIZONTAL FAN COILS WITH A CONDENSATE OVERFLOW PAN AND SAFETY FLOAT SWITCH THAT SHUTS THE UNIT DOWN, IF OVERFLOW PAN FILLS WITH CONDENSATE.
3. HEAT PUMP SHALL BE MOUNTED ON EQUIPMENT HOUSEKEEPING PAD WHEN LOCATED ON GRADE. - SEE PLANS FOR UNIT LOCATION.
4. ELECTRIC HEATER SHALL BE INTEGRAL TO UNIT. AUX KW SHOWN SHALL BE OUTPUT AT ELECTRICAL VOLTAGE PROVIDED.

AIR DISTRIBUTION SYSTEM							
		SIZE IN INCHES					
MARK	TYPE	FACE	BACKPAN	NECK	FINISH	BASIS OF DESIGN	NOTES
A	SUPPLY	8 x 8	N/A	6 x 6	WHITE	TITUS 300RS	
B	SUPPLY	24 x 24	18 x 18	6"	WHITE	TITUS TDC	1
C	SUPPLY	24 x 24	18 x 18	8"	WHITE	TITUS TDC	1
E	SUPPLY	24 x 24	18 x 18	10"	WHITE	TITUS TDC	1
K	SUPPLY	24 x 24	18 x 18	10"	WHITE	TITUS TDC 3-WAY	1, 2
R	RET/EXH	24 x 24	N/A	22 x 22	WHITE	TITUS 50F	
S	SUPPLY	20 x 14	N/A	18 x 12	WHITE	TITUS 300RS	
X	RET/EXH	24 x 12	N/A	22 x 10	WHITE	TITUS 50F	
Z	RET/EXH	24 x 24	N/A	22 x 22	WHITE	TITUS 50F	1

NOTES:

1. PROVIDE TRANSITION FROM SQUARE NECK TO ROUND NECK.
2. DIFFUSER SHALL BE 3-WAY BLOW TYPE. SEE DETAIL.

LOUVER SCHEDULE					
MARK	SIZE	FREE AREA SQ. FT.	SERVICE	BASIS OF DESIGN	NOTES
L-1	24x12	0.68	EXHAUST	GREENHECK ESD435	1, 2
L-2	24x12	0.68	EXHAUST	GREENHECK ESD435	1, 2
L-3	24x12	0.68	OUTSIDE AIR	GREENHECK ESD435	1, 3
L-4	24x12	0.68	OUTSIDE AIR	GREENHECK ESD435	1, 3

NOTES:

1. COORDINATE CUSTOM COLOR FROM FULL RANGE OF COLORS WITH ARCHITECT. LOUVER SHALL HAVE A KYNAR FINISH.
2. PROVIDE WITH MOTORIZED DAMPER INTERLOCKED WITH FAN SERVED.
3. PROVIDE WITH MOTORIZED DAMPER INTERLOCKED WITH FAN COIL SERVED.

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

GEORGIA REGISTERED No. 23289 PROFESSIONAL ENGINEER GREGG COX

HVAC - SCHEDULES

M1.02

MBA CONSULTING ENGINEERS
MBA# 2366
MATHESON-BALL & ASSOCIATES, INC.
11285 ELKINS RD. SUITE F-3
ROSWELL, GEORGIA 30076
PHONE: (770) 751-0773
WWW.MATHESONBALL.COM

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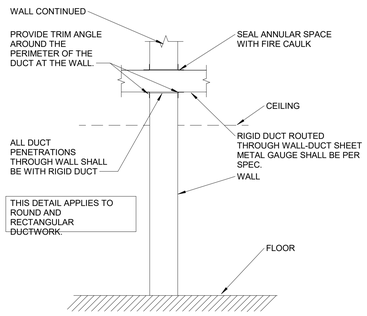

M4 DUCT WALL PENERTRATION DETAIL
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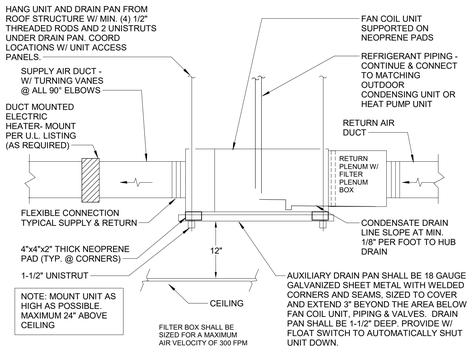

M3 HORIZONTAL FAN - COIL UNIT INSTALLATION DETAIL
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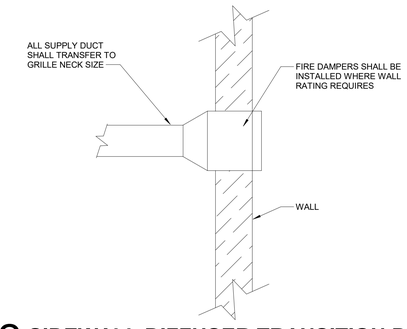

M2 SIDEWALL DIFFUSER TRANSITION DETAIL
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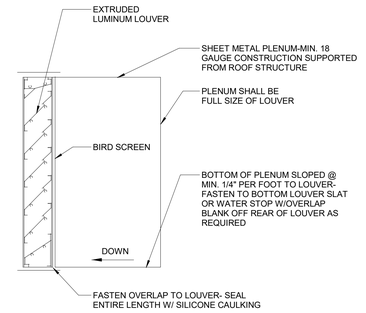
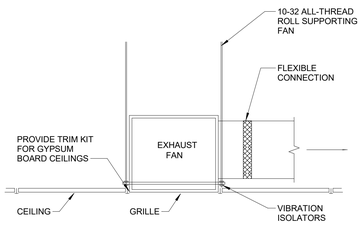
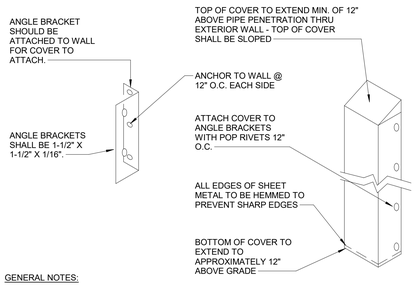


M1 LOUVER/ PLENUM MOUNTING DETAIL - TYPICAL
SCALE:SCALE: NONE



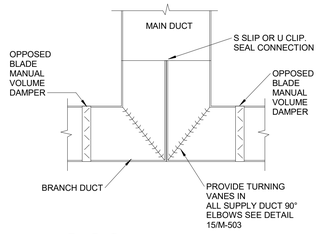
M8 CEILING MOUNTED EXHAUST FAN DETAIL
SCALE:SCALE: NONE

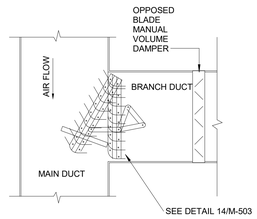


GENERAL NOTES:

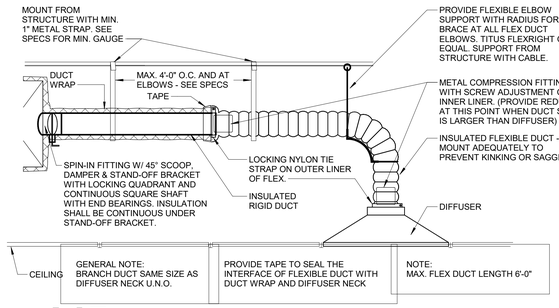
- ROUTE REFRIGERANT PIPING AND CONTROL CONDUIT UP EXTERIOR WALL WITH 18 GAUGE ALUMINUM "PAINT GRIP" COVER. COVER SHALL BE PRIMED AND PAINTED PER ARCHITECTURAL REQUIREMENTS.
- INSIDE OF COVER TO BE SIZED A MINIMUM OF A 1/2" LARGER THAN PIPES AND INSULATION.

M7 REFRIGERANT PIPING COVER DETAIL
SCALE:SCALE: NONE

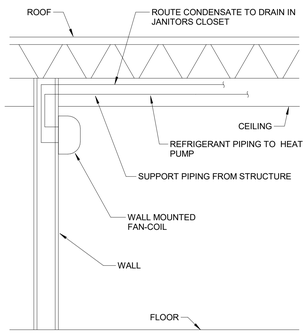




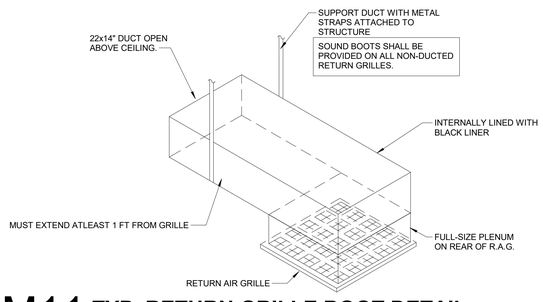
M6 TEE AND BRANCH TAKE-OFF DETAIL
SCALE:SCALE: NONE



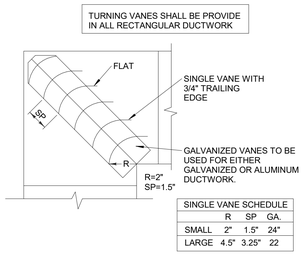
M5 TYPICAL DIFFUSER RUNOUT DETAIL
SCALE:SCALE: NONE



M12 WALL MOUNTED DUCTLESS SPLIT
SCALE:SCALE: NONE

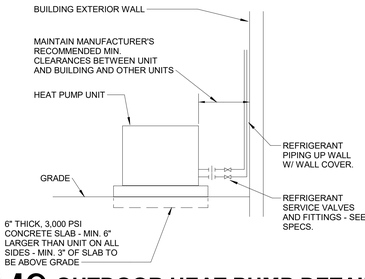


M11 TYP. RETURN GRILLE BOOT DETAIL
SCALE:SCALE: NONE



SINGLE VANE SCHEDULE			
	R	SP	GA.
SMALL	2"	1.5"	24"
LARGE	4.5"	3.25"	22

M10 SQUARE ELBOW WITH TURNING VANES
SCALE:SCALE: NONE



M9 OUTDOOR HEAT PUMP DETAIL
SCALE:SCALE: NONE

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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MBA CONSULTING ENGINEERS
MBA# 2366
MATHESON-BALL & ASSOCIATES, INC.
11285 ELKINS RD. SUITE F-3
ROSWELL, GEORGIA 30076
PHONE: (770) 751-0773
WWW.MATHESONBALL.COM

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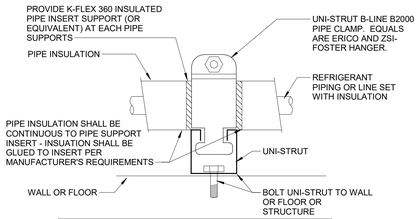
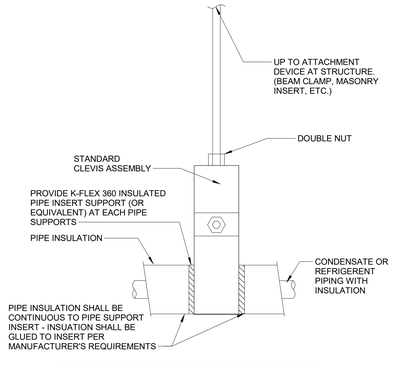


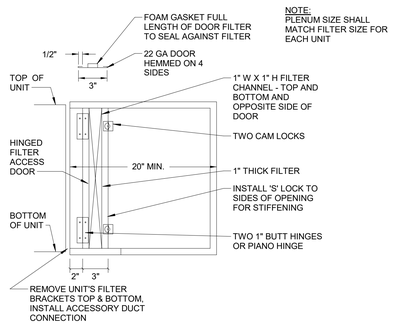
GENERAL NOTES:
CONDENSATE INSULATION INSERT SUPPORT BY K-FLEX. EQAULS ARE B-LINE, ERICO AND ZSI-FOSTER HANGER.

M1 REFRIGERANT/CONDENSATE PIPING SUPPORT DETAIL
SCALE:SCALE: NONE



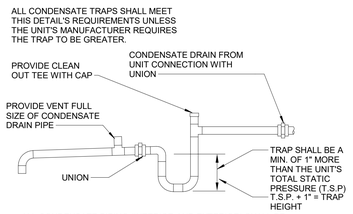
GENERAL NOTES:
CONDENSATE OR REFRIGERANT PIPING INSULATION INSERT SUPPORT BY K-FLEX. EQAULS ARE B-LINE, ERICO AND ZSI-FOSTER HANGER.

M2 REFRIGERANT/CONDENSATE PIPING SUPPORT DETAIL
SCALE:SCALE: NONE



NOTE:
PLENUM SIZE SHALL MATCH FILTER SIZE FOR EACH UNIT

M3 FILTER BOX DETAIL
SCALE:SCALE: NONE



ALL CONDENSATE PIPING (INTERIOR AND EXTERIOR) SHALL BE COPPER. - ALL EXTERIOR COPPER CONDENSATE PIPING SHALL BE PAINTED GRAY WITH AN UV RATED PAINT. COPPER PIPING SHALL BE PREPPED, PRIMED AND PAINTED WITH FINAL COLOR.

M4 CONDENSATE TRAP DETAIL
SCALE:SCALE: NONE

M5 INSULATED PIPE PENETRATION THRU MASONRY WALL DETAIL
SCALE:NONE

M6 SIDEWALL GRILLE VANE ADJUSTMENT DETAIL
SCALE:SCALE: NONE

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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MBA CONSULTING ENGINEERS
MBA# 2366
MATHESON-BALL & ASSOCIATES, INC.
11285 ELKINS RD. SUITE F-3
ROSWELL, GEORGIA 30076
PHONE: (770) 751-0773
WWW.MATHESONBALL.COM

JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

GEORGIA REGISTERED No. 23289 PROFESSIONAL ENGINEER GREGG COX

HVAC - DETAILS

M1.04

1/29/2024 4:23:34 PM TEMPLATE VERSION: 2022.1

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MAXIMUM FLOW RATE	CW	HW	S/W	NOTES
P101	WATER CLOSET, FLOOR MNTD, MANUAL FLUSH VALVE	1.28 GPF	1/2"	-	4"	
P101H	WATER CLOSET, ADA - FLOOR MNTD, MANUAL FLUSH VALVE	1.28 GPF	1/2"	-	4"	
P201H	URINAL, WALL HUNG, ADA, MANUAL FLUSH VALVE	0.5 GPM	3/4"	-	2"	
P301H	LAVATORY, WALL HUNG, ADA, MANUAL FAUCET	0.5 GPM	1/2"	1/2"	1-1/2"	
P401BH	ELECTRIC WATER COOLER, W/ BOTTLE FILL STATION, ADA	NOT RATED	1/2"	-	1-1/2"	
P501	MOP RECEPTOR WITH FAUCET	2.5 GPM	1/2"	1/2"	3"	
P610H	SINK, STAINLESS STEEL, DOUBLE COMP, DROP IN, ADA	2.0 GPM	1/2"	1/2"	1-1/2"	PROVIDE WATER & SANITARY CONNECTIONS TO DISHWASHER
P701H	SHOWER FITTINGS, ADA	NOT RATED	3/4"	3/4"	3"	
P902	ICEMAKER BOX	NOT RATED	1/2"	1/2"	2"	

ELECTRIC WATER HEATER SCHEDULE (DWH)

ELECTRIC WATER HEATER						DOMESTIC HW RECIRCULATING PUMP				TEMPERING VALVE		
MARK	SIZE GALLONS	KW	BASIS OF DESIGN A.O. SMITH	RECOVERY @ 90	ROOM LOCATION	GPM	TDH (FT)	HP	BASIS OF DESIGN (TACO)*	PRESSURE DROP (PSI)	FLOW (GPM)	BASIS OF DESIGN (LEONARD)
DWH-1	30	12.2	DEL-30	55	JANITOR R104	0.5	7	1/40	003-B	5	8.0	TM-26

NOTES:
1. WATER HEATER STORAGE TEMPERATURE SHALL BE SET FOR 140°F.
2. RECIRCULATING PUMP AND TEMPERING VALVE TO MATCH WATER HEATER MARK (EXP.: DWH-1, CP-1 AND TM-1).
3. WATER HEATER EQUAL PRODUCTS BY - RHEEM, BOCK, BRADFORD WHITE.
4. RECIRCULATING PUMP EQUAL PRODUCTS BY - BELL&GOSSET, GRUNDFOS.
5. TEMPERING VALVE EQUAL PRODUCTS BY - POWERS, LAWLER.

GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE LOCATIONS OF GAS PRESSURE REGULATORS WITH OUTSIDE AIR INTAKES ON UNITS SO THAT 10'-0" MINIMUM SEPARATION IS MAINTAINED BETWEEN INTAKE AND REGULATOR.
2. CONTRACTOR SHALL COORDINATE LOCATIONS OF SANITARY VENTS THRU ROOF (VTR'S) SO THAT 10'-0" MINIMUM SEPARATION IS MAINTAINED BETWEEN VENT AND UNIT OUTSIDE AIR INTAKE.
3. GAS PIPING SHALL BE CLEANED AND PRIMED AT THE TIME OF INSTALLATION. FINAL PAINTING SHALL BE DONE AFTER THE SYSTEM IS TESTED AND PLACED IN SERVICE.
4. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF VENTS THRU ROOF TO BE A MINIMUM OF 3'-0" FROM LOW POINT VALLEY IN FLAT ROOF AREAS. SANITARY VENTS SHALL EXTEND 12" ABOVE FINISHED ROOF MEASURED FROM THE TOP OF TAPER INSULATION AT POINT OF PIPE PENETRATION.

ALL PIPE FITTINGS SHALL COMPLY TO TABLE 706.3 IN THE 2018 IPC.

PIPE FITTINGS FOR CHANGE IN DIRECTION

TYPE OF FITTING PATTERN	CHANGE IN DIRECTION		
	HORIZONTAL TO VERTICAL	VERTICAL TO HORIZONTAL	HORIZONTAL TO HORIZONTAL
SIXTEENTH BEND	X	X	X
EIGHT BEND	X	X	X
SIXTH BEND	X	X	X
QUARTER BEND	X	Xa	Xa
SHORT SWEEP	X	Xa,b	Xa
LONG SWEEP	X	X	X
SANITARY TEE	Xc	--	--
WYE	X	X	X
COMBINATION WYE AND EIGTH BEND	X	X	X

a. THE FITTINGS SHALL ONLY BE PERMITTED FOR 2-INCH OR SMALLER FIXTURE DRAIN.
b. THREE INCHES OR LARGER.
c. BACK-TO-BACK WATER CLOSET CONNECTIONS TO DOUBLE SANITARY TEES SHALL ONLY BE PERMITTED WHERE THE HORIZONTAL DEVELOPED LENGTH BETWEEN THE OUTLET OF THE WATER CLOSET AND THE CONNECTION TO THE DOUBLE SANITARY TEE PATTERN IS 18 INCHES OR GREATER.

PLUMBING LEGEND

SYMBOL	DESCRIPTION
	SANITARY PIPING (S)
	SANITARY VENT PIPING (V)
	DOMESTIC HOT WATER PIPING (H)
	DOMESTIC COLD WATER PIPING (C)
	HOT WATER RECIRCULATING PIPING (HR)
	LOW PRESSURE (LESS THAN 2.0 PSIG) NATURAL GAS PIPING (LPG)
	MEDIUM PRESSURE (5.0 PSIG) NATURAL GAS PIPING (MPG)
	KITCHEN WASTE (K)
	STORM PIPING (ST)
	STORM OVERFLOW PIPING (SO)
	CONDENSATE DRAIN (CD)
	TRAP PRIMER LINE (TP)
F	FIRE MAIN OR FEED MAIN
TP/CD	COMBINED TRAP PRIMER/CONDENSATE DRAIN
CI	CAST IRON
DIP	DUCTILE IRON PIPE (THICKNESS CLASS 50)
CMP	CORRUGATED METAL PIPE, FULLY COATED, PAVED INVERT
HD	HUB DRAIN
W.CO.	WALL CLEANOUT
Y.CO.	YARD CLEANOUT
F.CO.	FLOOR CLEANOUT
AP	ACCESS PANEL
P-1	PLUMBING FIXTURE NUMBER
1	SEE PLUMBING NOTES
	UNION
	FLOW ARROW
	CONNECT TO EXISTING PIPING
VTR	VENT THROUGH ROOF
	BALL VALVE (FULL PORT)
A/C	ABOVE CEILING
B/F	BELOW FLOOR
#"FD-1	FLOOR DRAIN (# INDICATES SIZE, NUMBER INDICATES TYPE - SEE SPECS)
HB	HOSE BIBB WITH VANDAL PROOF VACUUM BREAKER
RD	ROOF DRAIN-NUMBER INDICATES TYPE - SEE SPECS
NPW	NON-POTABLE WATER
	CHECK VALVE (CHKV)
BFP	USC/ASSE APPROVED BACKFLOW PREVENTION DEVICE ASSEMBLY
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
DCV	DOUBLE CHECK VALVE BACKFLOW PREVENTER
DDC	DOUBLE DETECTOR CHECK VALVE BACKFLOW PREVENTER
VB	3 PIECE ADJUSTABLE VALVE BOX
TP-2	TRAP PRIMER - NUMBER INDICATES TYPE - SEE SPECS
TPDU-2	TRAP PRIMER DISTRIBUTION UNIT - NUMBER INDICATES TYPE - SEE SPECS
NFWH	NON-FREEZE WALL HYDRANT
WH	WALL HYDRANT
RWH	RECESSED WALL HYDRANT
	AGA RATED LUBRICATED PLUG COCK
BV	BALL VALVE (FULL PORT)
	GATE VALVE (GV)
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
GV & VB	GATE VALVE WITH VALVE BOX AT FIN. GRADE
IE	INVERT ELEVATION
SA "S"	SHOCK ARRESTOR - LETTER INDICATES SIZE (PER PDI STANDARDS)
PRV	PRESSURE REDUCING VALVE ASSEMBLY
	OS & Y GATE VALVE IN VERTICAL
CHKV	CHECK VALVE
INV.	INVERT
OFD	OVERFLOW ROOF DRAIN
RH	ROOF HYDRANT
CD	CONDENSATE DRAIN
DA	DENTAL AIR
DV	DENTAL VACUUM
CA	COMPRESSED AIR

GMC
Goodwyn Mills Cawood, LLC
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Atlanta, GA 30339
T 770.952.2481
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PLUMBING LEGEND, NOTES & SCHEDULES

P0.01

GEORGIA REGISTERED No. 23289 PROFESSIONAL ENGINEER GREGG COX

MBA CONSULTING ENGINEERS
MBA# 2366
MATHESON-BALL & ASSOCIATES, INC.
11285 ELKINS RD. SUITE F-3
ROSWELL, GEORGIA 30076
PHONE: (770) 751-0773
WWW.MATHESONBALL.COM

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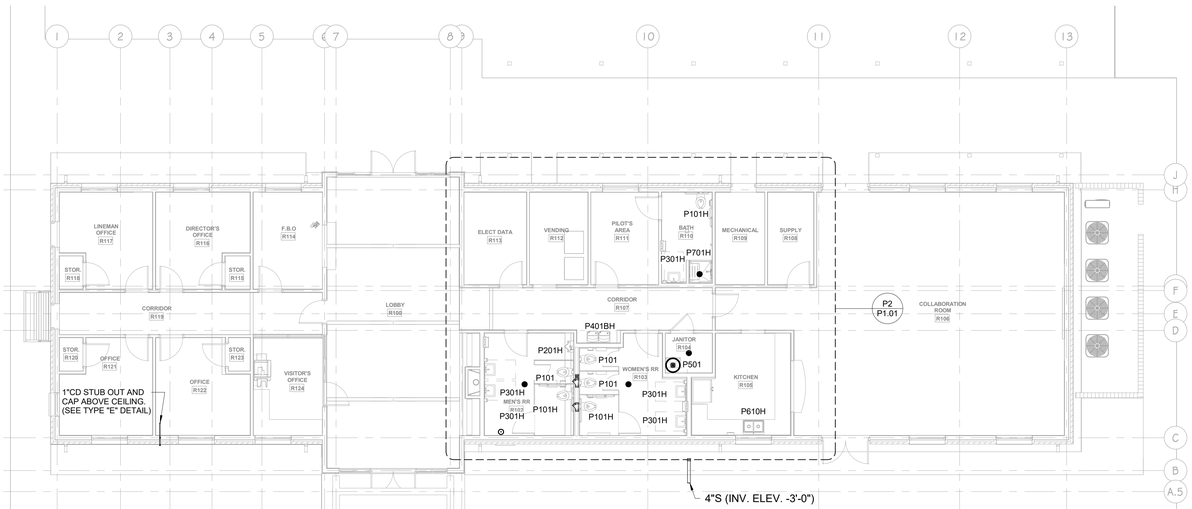
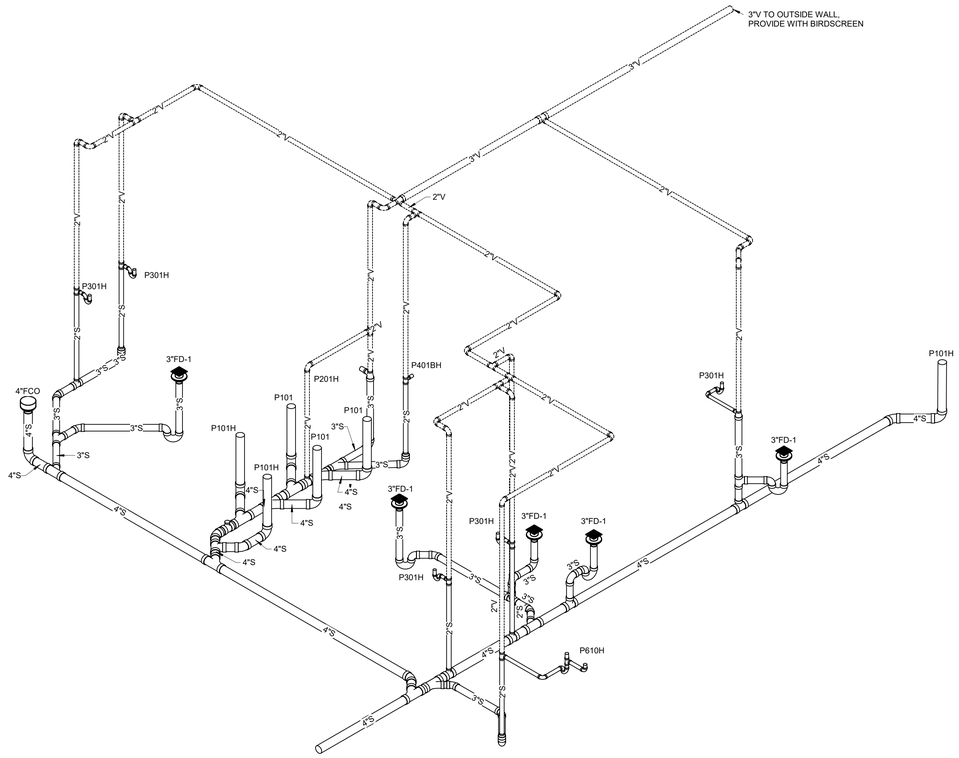
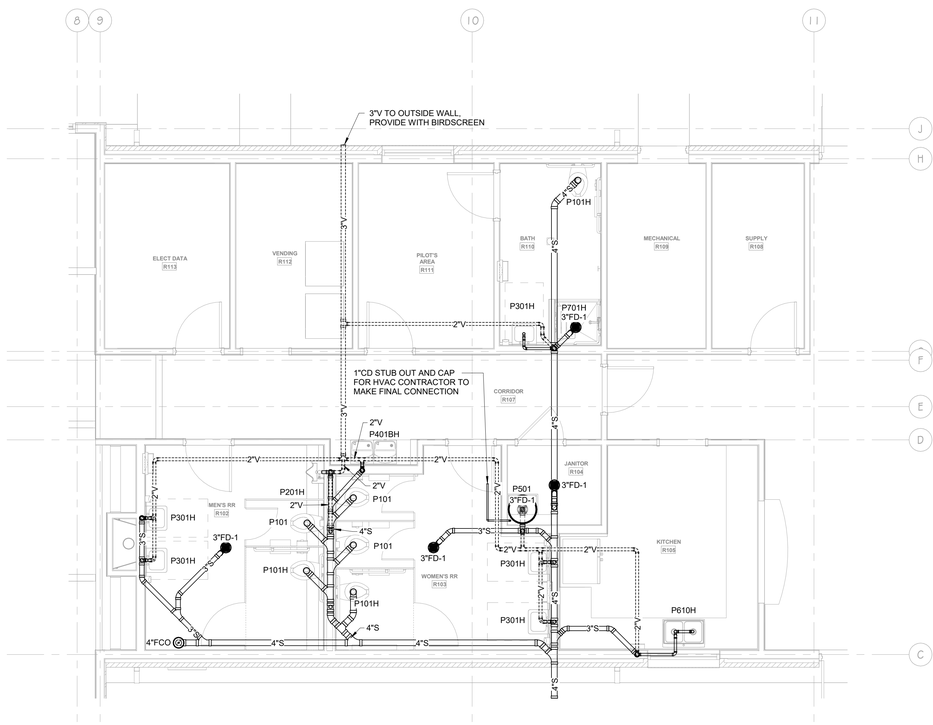


TRUE NORTH

P1 SW&V PLAN
SCALE: 1/8" = 1'-0"



3 SW&V RISER
SCALE:



TRUE NORTH

P2 SW&V - PARTIAL ENLARGED PLAN
SCALE: 1/4" = 1'-0"

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Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
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GMCNETWORK.COM

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PLBG - SW&V PLAN, ENLARGED PLAN & RISER

P1.01

MBA CONSULTING ENGINEERS
MBA# 2366
MATHESON-BALL & ASSOCIATES, INC.
11285 ELKINS RD. SUITE F-3
ROSWELL, GEORGIA 30076
PHONE: (770) 751-0773
WWW.MATHESONBALL.COM

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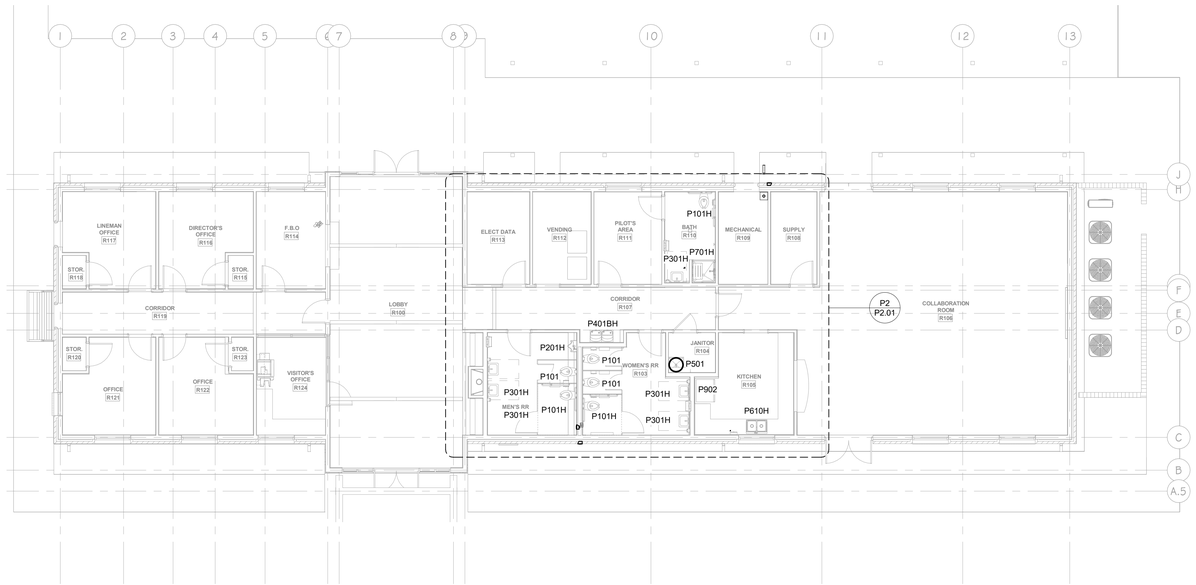
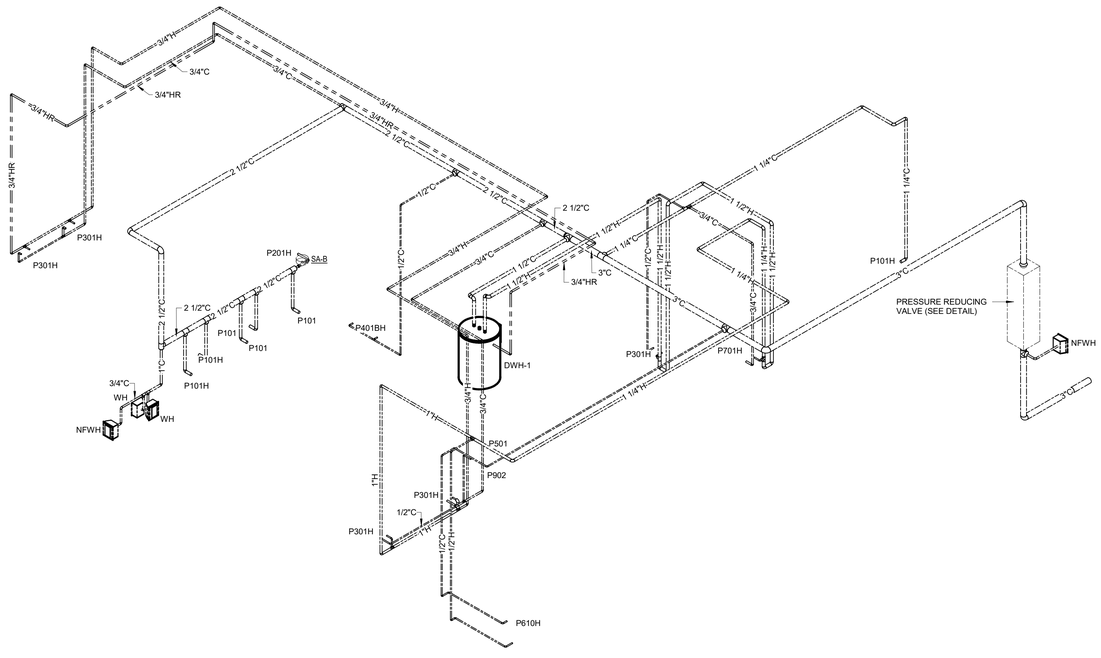


TRUE NORTH

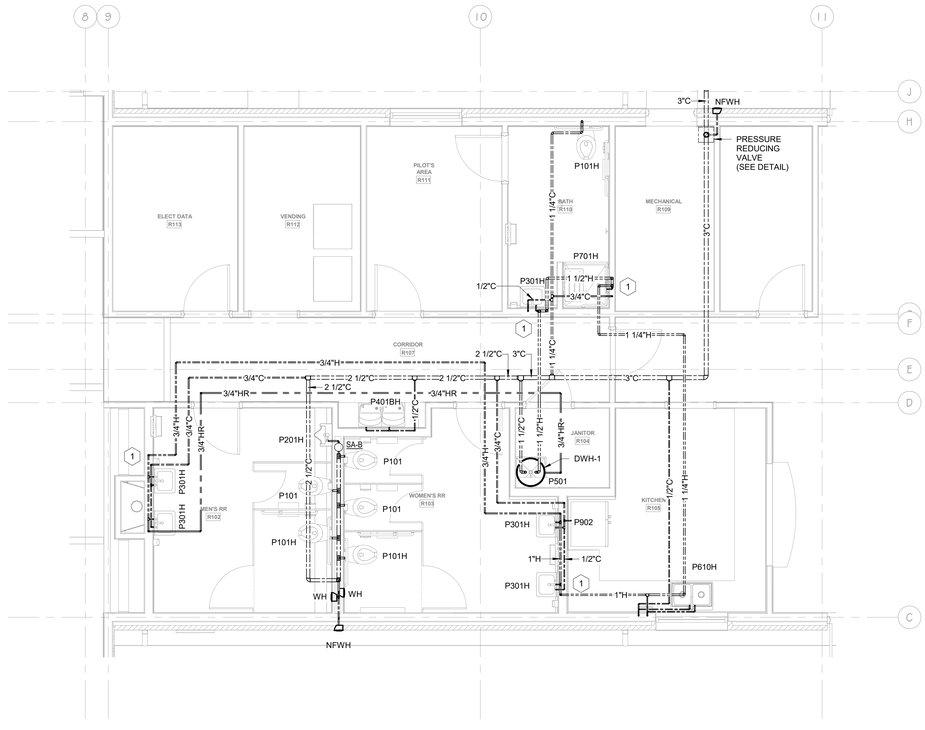
P1 H&CW PLAN
SCALE: 1/8" = 1'-0"

H&CW KEY NOTES:

1. HOT WATER DOWN IN WALL/ CHASE TO APPROXIMATELY 30" AFF. ROUTE HORIZONTALLY IN WALL/ CHASE BEHIND FIXTURES AND TURN BACK UP TO ABOVE CEILING AFTER LAST FIXTURE IS SERVED. ROUTE 1/2"H FROM PIPE IN WALL/ CHASE TO LAVATORY AND/ OR SHOWER. THE SIZE OF PIPE TURNED DOWN IN THE WALL IS TO BE ROUTED UNTIL THE LAST FIXTURE IS SERVED. AFTER LAST FIXTURE THE HOT WATER PIPE MAY OR MAY NOT DECREASE IN SIZE. REFER TO PLAN SHEETS FOR SIZE OF HOT WATER PIPING INTO AND OUT OF WALL/ CHASE. SEE DETAIL 9/P3.01 "HOT WATER LOOP TO LAVATORY".



P3 H&CW RISER
SCALE:



TRUE NORTH

P2 H&CW - PARTIAL ENLARGED PLAN
SCALE: 1/4" = 1'-0"

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MBA# 2366

MATHESON-BALL & ASSOCIATES, INC.
11285 ELKINS RD. SUITE F-3
ROSWELL, GEORGIA 30076
PHONE: (770) 751-0773
WWW.MATHESONBALL.COM

GMC

Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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PLBG - H&CW PLAN, ENLARGED PLAN & RISER

P2.01

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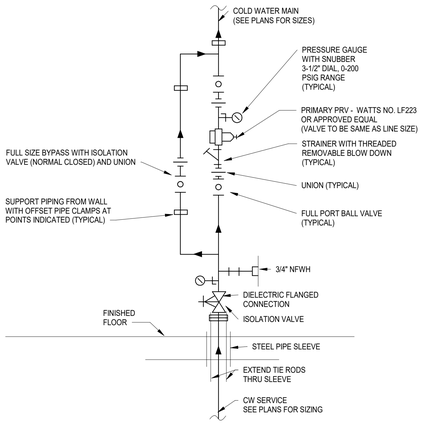
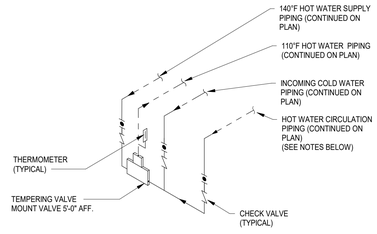


1 PRESSURE REDUCING VALVE (PRV) ASSEMBLY DETAIL

SCALE:SCALE: NONE

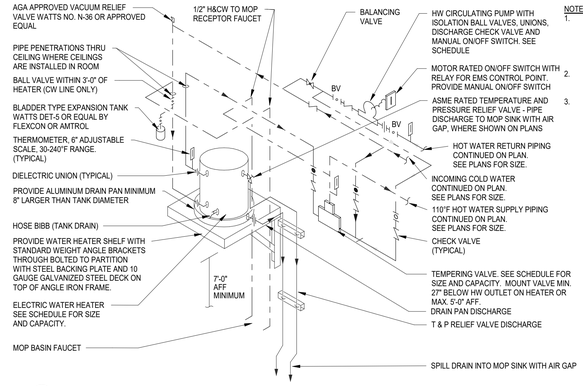


NOTES:

1. FOLLOW MANUFACTURERS PIPING INSTRUCTIONS FOR CONNECTING HOT WATER CIRCULATION WATER TO MIXING VALVE AND WATER HEATER.
2. DISREGARD HOT WATER CIRCULATION WATER PIPING IF NO CIRCULATION PUMP .

2 THERMOSTATIC MIXING VALVE DETAIL

SCALE:NONE

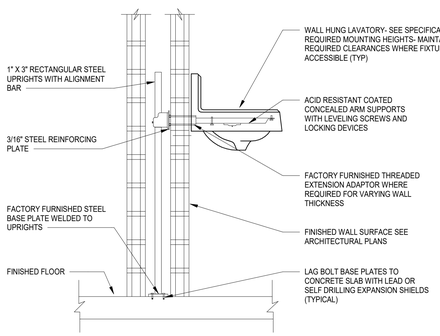


NOTES:

1. COORDINATE ELECTRICAL CHARACTERISTICS OF ACTUAL HEATER FURNISHED WITH ELECTRICAL CONTRACTOR AND AVAILABLE VOLTAGE ON SITE.
2. WATER HEATER STORAGE TEMPERATURE SHALL BE SET TO 140°F.
3. PIPING SHOWN IS DIAGRAMMATICAL ONLY AND DOES NOT INDICATE OR SUGGEST AN EXACT PIPE ROUTING OR EQUIPMENT AND APPARATUS LOCATION, ORIENTATION OR PLACEMENT. CONTRACTOR IS TO COORDINATE WITH ALL OTHER TRADES AND LOCATE MIXING VALVES, CIRC. PUMPS AND OTHER VALVING AND ACCESSORIES AS CLOSE TO LOCATION SHOWN ON PLANS AS POSSIBLE.

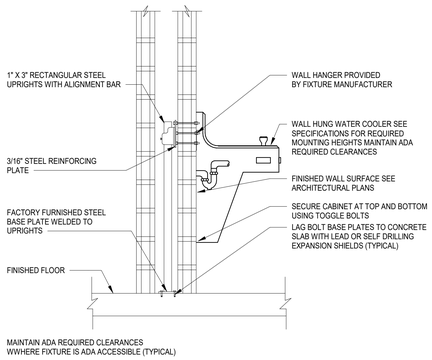
3 DETAIL- ELECTRIC WATER HEATER, TMV & PUMP - WALL MTD.

SCALE:NO SCALE



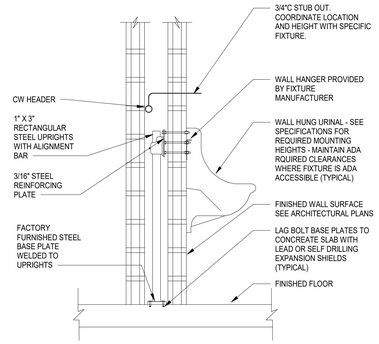
4 LAVATORY CARRIER INSTALLATION

SCALE:NO SCALE



5 WATER COOLER CARRIER INSTALLATION DETAIL

SCALE:SCALE: NONE

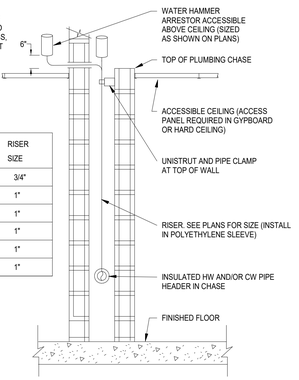


6 URINAL INSTALLATION DETAIL

SCALE:SCALE: NONE

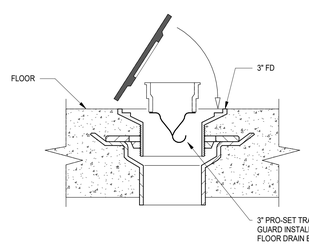
NOTE:
WHERE ACCESSIBLE CEILINGS ARE INSTALLED IN ROOMS ADJACENT TO TOILET ROOMS WITH HARD CEILINGS, SA CAN BE INSTALLED WITH OFFSET AND STEEL PIPE SLEEVE ABOVE ACCESSIBLE LAY-IN CEILING

ARRESTOR NUMBER	PDI RATING	RISER SIZE
SA-A	A	3/4"
SA-B	B	1"
SA-C	C	1"
SA-D	D	1"
SA-E	E	1"
SA-F	F	1"



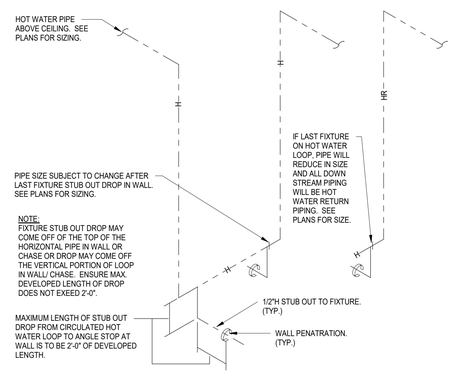
7 WATER HAMMER ARRESTOR

SCALE:SCALE: NONE



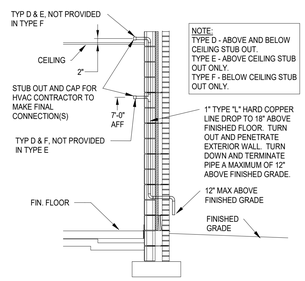
8 TRAP GUARD IN FLOOR DRAIN

SCALE:NO SCALE



9 HOT WATER LOOP TO LAVATORY

SCALE:SCALE: NONE



10 CONDENSATE DRAIN IN EXTERIOR WALL SPILL ON GRADE

SCALE:SCALE: NONE

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6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
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MATHESON-BALL & ASSOCIATES, INC.
11285 ELKINS RD. SUITE F-3
ROSWELL, GEORGIA 30076
PHONE: (770) 751-0773
WWW.MATHESONBALL.COM

RECEPTACLE LEGEND

	DUPLEX RECEPTACLE WALL MOUNTED 18" A.F.F. TO CENTER UNO.
CM	DUPLEX RECEPTACLE CEILING MOUNTED.
	QUADRAPLEX RECEPTACLE WALL MOUNTED 18" A.F.F. TO CENTER UNO.
EWC	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER (5mA) RECEPTACLE WALL MOUNTED 18" A.F.F. TO CENTER UNO FOR WATER COOLER.
WP	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER (5mA) RECEPTACLE WALL MOUNTED 18" A.F.F. TO CENTER UNO. "WP" INDICATES WEATHERPROOF "IN-USE" EXTRA DUTY METAL COVER, DEVICE "WEATHER-RESISTANT" RATED.
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER (5mA) RECEPTACLE WALL MOUNTED 18" A.F.F. TO CENTER UNO.
FRG	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER (5mA) RECEPTACLE WALL MOUNTED 48" A.F.F. TO CENTER UNO FOR REFRIGERATOR.
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER (5mA) RECEPTACLE WALL MOUNTED 6" ACT OR 48" A.F.F. TO CENTER UNO.
	QUADRAPLEX RECEPTACLE IN FLOOR BOX WITH FLUSH COVER.
TV	DUPLEX RECEPTACLE FOR TELEVISION. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT.
VM	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER (5mA) RECEPTACLE WALL MOUNTED @ 48" A.F.F. TO CENTER FOR VENDING MACHINE.
WH	ELECTRICAL CONNECTION TO WATER HEATER - COORDINATE WITH SUPPLIED PRODUCT.
	SWITCHED RECEPTACLE FOR GARBAGE DISPOSAL BELOW COUNTER. DEVICE TO SWITCH MOUNTED ABOVE COUNTER.
DH	RECEPTACLE FOR DEHUMIDIFIER. COORDINATE WITH EQUIPMENT PROVIDED AND MECHANICAL CONTRACTOR.

LIGHTING LEGEND

XE	2' x 2' RECESSED TROFFER. LETTER "X" INDICATES FIXTURE TYPE, SEE LUMINAIRE SCHEDULE. THE LETTER "E" INDICATES THAT THE FIXTURE IS EQUIPPED WITH EMERGENCY BATTERY AND/OR WIRED AS A NIGHT LIGHT.
XE	4' STRIP LED UNO. SURFACE MOUNTED. LETTER "X" INDICATES FIXTURE TYPE, SEE LUMINAIRE SCHEDULE. THE LETTER "E" INDICATES THAT THE FIXTURE IS EQUIPPED WITH EMERGENCY BATTERY AND/OR WIRED AS A NIGHT LIGHT.
XE	RECESSED DOWNLIGHT. LETTER "X" INDICATES FIXTURE TYPE, SEE LUMINAIRE SCHEDULE AND DETAIL FOR ADDITIONAL REQUIREMENTS. THE LETTER "E" INDICATES THAT THE FIXTURE IS EQUIPPED WITH EMERGENCY BATTERY AND/OR WIRED AS A NIGHT LIGHT.
XE	WALL MOUNTED LIGHT FIXTURE. LETTER "X" INDICATES FIXTURE TYPE, SEE LUMINAIRE SCHEDULE. THE LETTER "E" INDICATES THAT THE FIXTURE IS EQUIPPED WITH EMERGENCY BATTERY AND/OR WIRED AS A NIGHT LIGHT.
X	POLE MOUNTED LIGHT FIXTURE. LETTER "X" INDICATES FIXTURE TYPE, SEE LUMINAIRE SCHEDULE.
X	EXIT SIGN WITH BATTERY BACKUP CEILING/WALL MOUNTED - FILLED IN SECTION INDICATES NUMBER OF FACES. ARROWS AS INDICATED ON PLANS - PROVIDE UNSWITCHED CONDUCTOR FOR 24 HOUR OPERATION. LETTER "X" INDICATES FIXTURE TYPE, SEE LUMINAIRE SCHEDULE.
PP	PP-20 POWER PACK 120/277 VAC; 20 AMPS. SENSOR SWITCH INC.
XE	WALL PACK - WALL MOUNTED FIXTURE. LETTER "X" INDICATES FIXTURE TYPE, SEE LUMINAIRE SCHEDULE. THE LETTER "E" INDICATES THAT THE FIXTURE IS EQUIPPED WITH EMERGENCY BATTERY AND/OR WIRED AS A NIGHT LIGHT.
OC L	CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR. LOCATE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
OC	CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR. LOCATE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
X	RECESSED LINEAR LED FIXTURE - LENGTH AS SHOWN ON PLANS. LETTER "X" INDICATES FIXTURE TYPE, SEE LUMINAIRE SCHEDULE.

FIRE ALARM LEGEND

FACP	FIRE ALARM CONTROL PANEL.
FAAP	FIRE ALARM ANNUNCIATOR PANEL.
F	PULL STATION. DOUBLE ACTION TYPE. MOUNT AT 48" A.F.F. (OR AS REQUIRED TO MEET ADA HANDLE ACCESS REQUIREMENTS) "WG" DESIGNATES PROTECTIVE COVER.
F	FIRE ALARM AUDIO/VISUAL DEVICE MOUNTED 80" A.F.F. OR 6" BELOW CEILING UNO. "WG" DESIGNATES PROTECTIVE COVER. "WP" INDICATES DEVICE TO BE SUITABLE FOR "DAMP LOCATION" INSTALLATION.
L	FIRE ALARM VISUAL NOTIFICATION DEVICE MOUNTED 80" A.F.F. OR 6" BELOW CEILING UNO. "WG" DESIGNATES PROTECTIVE COVER.
S	FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR - CEILING/WALL MOUNTED. AS SHOWN ON DRAWINGS.
DOC	FIRE ALARM DOCUMENT BOX.

POWER LEGEND

	PANELBOARD, SURFACE MOUNTED.
	SERVICE ENTRANCE PANELBOARD, SURFACE MOUNTED.
X	DISCONNECT SWITCH, NEMA 1, FUSED, SUBSCRIPT INDICATES DISCONNECT SWITCH AMP RATING - SEE DISCONNECT SWITCH SCHEDULE.
X	DISCONNECT SWITCH, NEMA 3R, FUSED, SUBSCRIPT INDICATES DISCONNECT SWITCH AMP RATING - SEE DISCONNECT SWITCH SCHEDULE.
TC	TIME CLOCK AS SPECIFIED ON PLANS.
T	NEW UTILITY TRANSFORMER. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY FOR ALL CONNECTION REQUIREMENTS TO TRANSFORMER.
M	EXHAUST FAN CONNECTED TO LIGHTING CONTROLS AS REQUIRED.
PC	PHOTOELECTRIC CELL AS SPECIFIED ON PLANS. MOUNT IN INCONSPICUOUS LOCATION ABOVE ROOF FACING NORTH.
J	IN-GRADE WEATHER-PROOF JUNCTION BOX FOR FIBER OPTIC SERVICE. ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL LOCATION OF BOX WITH OWNER/SERVICE PROVIDER PRIOR TO ROUGH-IN.

SWITCH LEGEND

$	WALL SWITCH SPST 42" AFF TO CENTER UNO 20A 120/277V.
$D	DIMMER SWITCH (2000W) 42" A.F.F. TO CENTER UNO.
$D3	DIMMER SWITCH 3 WAY (1500W) 42" TO CENTER UNO.
$A	WALL MOUNTED OCCUPANCY SENSOR SWITCH. LOCATE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
$K	MOTOR RATED TOGGLE SWITCH 20A 120/277V.
$EM	REMOTE EMERGENCY LIGHT SWITCH FOR FIXTURE 'HE'

BRANCH CIRCUIT LEGEND

	CONDUIT OR RACEWAY CONCEALED IN CEILING CAVITY OR WALL.
	CONDUIT OR RACEWAY UNDERGROUND OR CONCEALED IN FLOOR SLAB.
— — —US— — —	UNDERGROUND SECONDARY.
— — —UP— — —	UNDERGROUND PRIMARY.
—PEOH—PEOH—	PROPOSED OVERHEAD ELECTRICAL CABLE BY UTILITY.
--FO----FO--	UNDERGROUND FIBER OPTIC CABLE. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH LOCAL PROVIDER EXACT INSTALLATION REQUIREMENTS.
	PHASE CONDUCTOR, NEUTRAL CONDUCTOR AND ISOLATED GROUND CONDUCTOR.
	HOMERUN. TICKS INDICATES NUMBER OF CONDUCTORS NO TICKS INDICATES 1 PHASE, 1 NEUTRAL, 1 GROUND CONDUCTOR.
	UNDERGROUND HOMERUN. ARROW INDICATES NUMBER OF CIRCUITS. TICKS INDICATES NUMBER OF CONDUCTORS NO TICKS INDICATES 1 PHASE, 1 NEUTRAL, 1 GROUND CONDUCTOR.
LV	LOW VOLTAGE CABLING IN 3/4"C AS PER MANUFACTURER'S REQUIREMENTS FOR A COMPLETE AND FULLY FUNCTIONAL, PROPERLY OPERATING SYSTEM.

AUXILIARY LEGEND - CORRIDOR CEILING

	DATA/TELEPHONE OUTLET, WALL MOUNTED AT 18" AFF TO CENTER UNO, COMPLETE WITH 3/4" CONDUIT STUBBED OUT TO ABOVE CORRIDOR CEILING, PORTS, FACEPLATE AND CABLING, SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
	DATA OUTLET, WALL MOUNTED AT 18" AFF TO CENTER UNO, COMPLETE WITH 3/4" CONDUIT STUBBED OUT TO ABOVE CORRIDOR CEILING, PORTS, FACEPLATE AND CABLING, SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
	TELEPHONE BACKBOARD 4' x 8' x 3/4" UNO. FIRE RETARDANT PLYWOOD SHALL BE PAINTED WITH FIRE RETARDANT PAINT.
TV	DATA OUTLET FOR TV. PROVIDE BLANK COVER PLATE. PROVIDE 3/4" EC WITH PULL STRING STUBBED 6" ABOVE CEILING. PROVIDE INSULATING BUSHING.
CM	DATA OUTLET, CEILING MOUNTED AT 18" AFF TO CENTER UNO, COMPLETE WITH 3/4" CONDUIT STUBBED OUT TO ABOVE CORRIDOR CEILING, PORTS, FACEPLATE AND CABLING, SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
C	DATA OUTLET, CEILING MOUNTED OR WALL MOUNTED FOR SECURITY CAMERAS, COMPLETE WITH 3/4" CONDUIT C STUBBED OUT TO ABOVE CORRIDOR CEILING, PORTS, FACEPLATE AND CABLING,SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. DEVICES ON THE EXTERIOR OF THE BUILDING SHALL BE WEATHERPROOF.

GENERAL ELECTRICAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE TO FURNISH ALL LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES AS NECESSARY FOR A NEAT, COMPLETE, AND SATISFACTORY OPERATING ELECTRICAL SYSTEMS WHICH CONFORMS TO ALL LOCAL CODES, PLANS, AND SPECIFICATIONS.
2. ELECTRICAL CONTRACTOR SHALL REVIEW ENTIRE SET OF CONTRACT DOCUMENTS INCLUDING BUT NOT NECESSARILY LIMITED TO ALL CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND ENTIRE PROJECT MANUAL. ELECTRICAL CONTRACTOR SHALL ACKNOWLEDGE AND INCLUDE IN THE SCOPE OF WORK (CONTRACT) ALL CONDITIONS PERTINENT TO THE COMPLETION OF THE ELECTRICAL WORK. ELECTRICAL CONTRACTOR SHALL FULLY COORDINATE ELECTRICAL WORK WITH THE INSTALLATION OF WORK BY ALL OTHER TRADES AND MAKE NECESSARY FIELD ADJUSTMENTS AS REQUIRED TO ACCOMMODATE THE INSTALLATION. ALL OF THE ABOVE SHALL BE INCLUDED IN THE SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.
3. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE, IT SHALL NOT BE THE INTENT OF ISSUED PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL NECESSARY ITEMS FOR A COMPLETE AND OPERATING SYSTEM.
4. ALL INSTALLATIONS SHALL CONFORM TO THE LATEST EDITION OF ENFORCED INTERNATIONAL BUILDING CODE AND NFPA-70 AT THE TIME OF PERMIT.
5. EACH BIDDER SHALL VISIT THE JOB SITE PRIOR TO BIDDING TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND TO ASCERTAIN THE EXTENT OF WORK REQUIRED. FAILURE TO VISIT SITE SHALL NOT EXCUSE CONTRACTOR FROM PERFORMING REQUIRED WORK NOR SHALL IT BE AN ACCEPTABLE REASON FOR REQUESTING ADDITIONS TO THE CONTRACT.
6. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY AN AGENCY SUCH AS UNDERWRITER'S LABORATORIES (UL), ELECTRICAL TESTING LABORATORY (ETL), ETC AND ACCEPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION. FOR THE USE INTENDED WHERE A STANDARD FOR SUCH MATERIALS AND USE EXISTS. ALL ITEMS OF THE SAME TYPE AND RATING SHALL BE IDENTICAL AND OF THE SAME MANUFACTURER.
7. THE WORD "PROVIDE" MEANS THAT THIS CONTRACTOR SHALL FURNISH, FABRICATE, ERECT, CONNECT, AND COMPLETELY INSTALL SYSTEMS IN PROPER OPERATING CONDITION. ALL LABOR, PRODUCT OPTIONS, ACCESSORIES AND INCIDENTAL MATERIALS REQUIRED SHALL BE INCLUDED AS PART OF THIS WORK TO COMPLETE THE INSTALLATION.
8. THE ELECTRICAL DRAWINGS INDICATE REQUIREMENTS OF MECHANICAL/PLUMBING/FIRE PROTECTION/KITCHEN EQUIPMENT BASED ON RESPECTIVE DRAWINGS AND SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL CONNECTIONS PRIOR TO ROUGH-IN USING APPROVED CATALOG SHEETS AND SHOP DRAWINGS. ACTUAL EQUIPMENT SUPPLIED MAY DIFFER, ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE EXPENSE OF THE DISCIPLINE RESPONSIBLE MAKING THE CHANGES AND/OR SUBSTITUTIONS THAT VARY FROM THE CONSTRUCTION DOCUMENTS.
9. ALL ELECTRICAL CONNECTIONS WILL BE CODE COMPLIANT WITH N.E.C.
10. WIRING SYSTEMS SHALL CONSIST OF COPPER WIRING INSTALLED IN CONDUIT, MINIMUM WIRE SIZE SHALL BE #12AWG, MINIMUM CONDUIT SIZE SHALL BE 3/4".
11. CONDUCTORS SHALL BE 99% COPPER (NO ALUMINUM CONDUCTORS WILL BE ACCEPTED). MINIMUM SIZE #12 AWG-3/4" C.
12. SUBSURFACE CONDUIT SHALL BE SCHEDULE 40 PVC UNO. FOR RUNS GREATER THAN 50 FEET IN LENGTH, VERTICAL TURN UPS SHALL BE GRS SWEEP 90S WITH A BITUMASTIC COATING UNO.
13. CONTRACTOR SHALL REPAIR ANY DISTURBED AREA TO SAME COMPACTION, GRADE, SLOPE, ETC. AS ORIGINAL AREA INCLUDING REPLACEMENT OF SOD, GRASS, ROCK, GRAVEL, RIP-RAP, ETC. TO THE SATISFACTION OF THE OWNER AND ENGINEER.
14. CONTRACTOR SHALL REPAIR AND PATCH ALL WALLS, FLOORS, PENETRATIONS, ETC. TO MATCH THE ADJACENT SURFACE WHERE EQUIPMENT IS BEING REMOVED OR IF NECESSARY FOR THE INSTALLATION OF NEW EQUIPMENT UNDER THIS CONTRACT.
15. ANY AREA OF CONSTRUCTION DAMAGED DURING THIS CONTRACT SHALL BE REPAIRED TO MATCH ADJACENT SURFACES.
16. WITHIN ALL AREAS OF WORK, ALL UNUSED OR ABANDONED ELECTRICAL CONDUIT, CONDUCTORS, FITTINGS AND SUPPORTS SHALL BE REMOVED.
17. REMOVE ANY SPILLED DIRT, CONCRETE, ETC. FROM ANY DRIVEWAYS, ROADWAYS OR CONSTRUCTION SITE AS DIRECTED BY ARCHITECTURAL INSPECTOR.
18. CLEAN UP ALL DEBRIS AROUND CONSTRUCTION SITE DAILY.
19. ELECTRICAL CONTRACTOR SHALL ADJUST WIRE SIZE BASED ON ACTUAL INSTALLATION LENGTH VERSUS DESIGN DISTANCES MAXIMUM ALLOWED VOLTAGE DROP IS 3%.

ELECTRICAL ABBREVIATIONS

A, AMP	AMPERE	GRS	GALVANIZED RIGID STEEL	SPEC	SPECIFICATIONS
ACSR	ALUMINUM CONDUCTOR STEEL-REINFORCED	HD	HAND DRYER	ST	SHUNT TRIP
AF	AMPS FRAME	HP	HORSEPOWER	SWBD	SWITCHBOARD
AFF	ABOVE FINISHED FLOOR	KV	KILOVOLT	TEL	TELEPHONE
AIC	AMPS INTERRUPTING CAPACITY (SYM RMS)	KVA	KILOVOLT AMPERES	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
AT	AMPS TRIP	KW	KILOWATT	TYP	TYPICAL
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM	UG	UNDERGROUND
(#)C	FIXTURE DESIGNATION (#) INDICATES #OF FIXTURES TOTAL	N12	NEMA 12 RATED FOR DUST ENCLOSURE	UNO	UNLESS NOTED OTHERWISE
C	CONDUIT	N3R	NEMA 3R RATED FOR EXTERIOR USE	V	VOLT
CKT	CIRCUIT	NIC	NOT IN THIS CONTRACT	VA	VOLT AMPERE
CU	COPPER	NL	NIGHT LIGHT	W	WATT
DETD	DUAL ELEMENT TIME DELAY	NEC	NATIONAL ELECTRIC CODE	WP	WEATHERPROOF
EC	EMPTY CONDUIT	PNL	PANEL	UNO	UNLESS NOTED OTHERWISE
ELEC	ELECTRIC OR ELECTRICAL	P	POLE	UP	UNDERGROUND PRIMARY
EPR	ETHYLENE-PROPYLENE RUBBER INSULATION	PEOH	PROPOSED ELECTRICAL OVERHEAD	US	UNDERGROUND SECONDARY
ER	EXISTING ITEM TO BE REMOVED	PH	PHASE	XFMR	TRANSFORMER
EX	EXISTING TO REMAIN	PSI	POUNDS PER SQUARE INCH	#	NUMBER
EXIST	EXISTING	PVC	POLYVINYL CHLORIDE		
FACP	FIRE ALARM CONTROL PANEL	RECPT	RECEPTACLE		
GFI	GROUND FAULT INTERRUPTER	REQD	REQUIRED		
G	GROUND	RL	EXISTING ITEM TO BE RELOCATED		
GFE	GOVERNMENT FURNISHED EQUIPMENT	RU	RACK UNIT		
		SPD	SURGE PROTECTIVE DEVICE		

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Atlanta, GA 30339
T 770.952.2481
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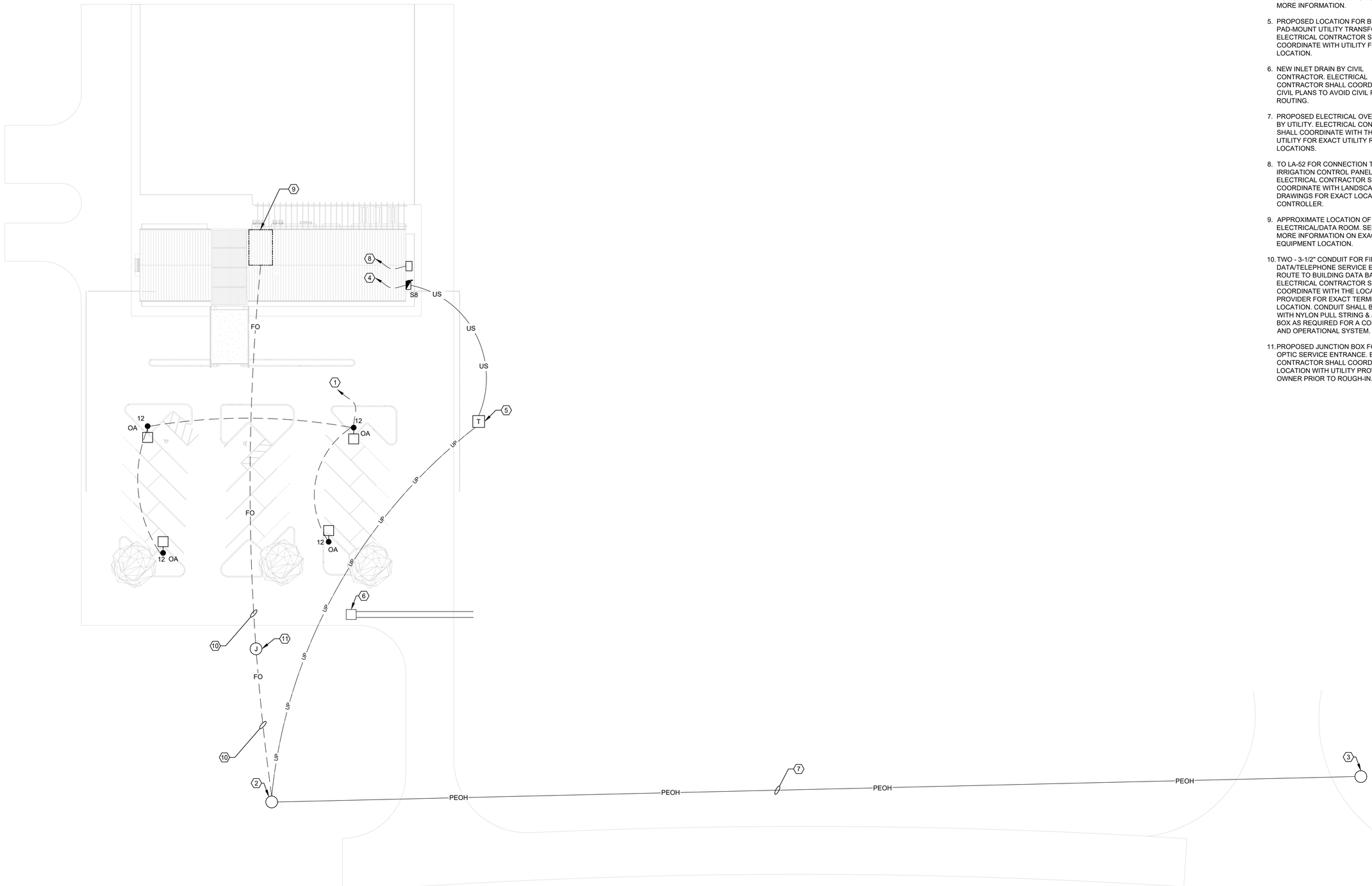
ELECTRICAL LEGENDS & NOTES

GE0.01

VMGM230043



KEYED NOTES (#)

1. TO LA-12 THROUGH TIME CLOCK CHANNEL 1. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER FOR PARKING LOT LIGHTING TIMES.
2. PROPOSED LOCATION OF NEW UTILITY RISER POLE. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH UTILITY FOR EXACT LOCATION.
3. APPROXIMATE LOCATION OF EXISTING UTILITY RISER POLE.
4. UNDERGROUND TO PANEL 'MP'. SEE POWER RISER DIAGRAM ON 2/E6.01 FOR MORE INFORMATION.
5. PROPOSED LOCATION FOR BUILDING PAD-MOUNT UTILITY TRANSFORMER. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH UTILITY FOR EXACT LOCATION.
6. NEW INLET DRAIN BY CIVIL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH CIVIL PLANS TO AVOID CIVIL PIPE ROUTING.
7. PROPOSED ELECTRICAL OVERHEAD LINE BY UTILITY. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY FOR EXACT UTILITY ROUTING LOCATIONS.
8. TO LA-52 FOR CONNECTION TO IRRIGATION CONTROL PANEL. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH LANDSCAPING DRAWINGS FOR EXACT LOCATION OF CONTROLLER.
9. APPROXIMATE LOCATION OF ELECTRICAL/DATA ROOM. SEE E1.01 FOR MORE INFORMATION ON EXACT EQUIPMENT LOCATION.
10. TWO - 3-1/2" CONDUIT FOR FIBER OPTIC DATA/TELEPHONE SERVICE ENTRANCE. ROUTE TO BUILDING DATA BACKBOARD. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOCAL PROVIDER FOR EXACT TERMINATION LOCATION. CONDUIT SHALL BE EQUIPPED WITH NYLON PULL STRING & JUNCTION BOX AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
11. PROPOSED JUNCTION BOX FOR FIBER OPTIC SERVICE ENTRANCE. ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL LOCATION WITH UTILITY PROVIDER AND OWNER PRIOR TO ROUGH-IN.

PLAN NORTH

1 E0.01 ELECTRICAL SITE PLAN

SCALE: 1" = 20'

VMGM230043

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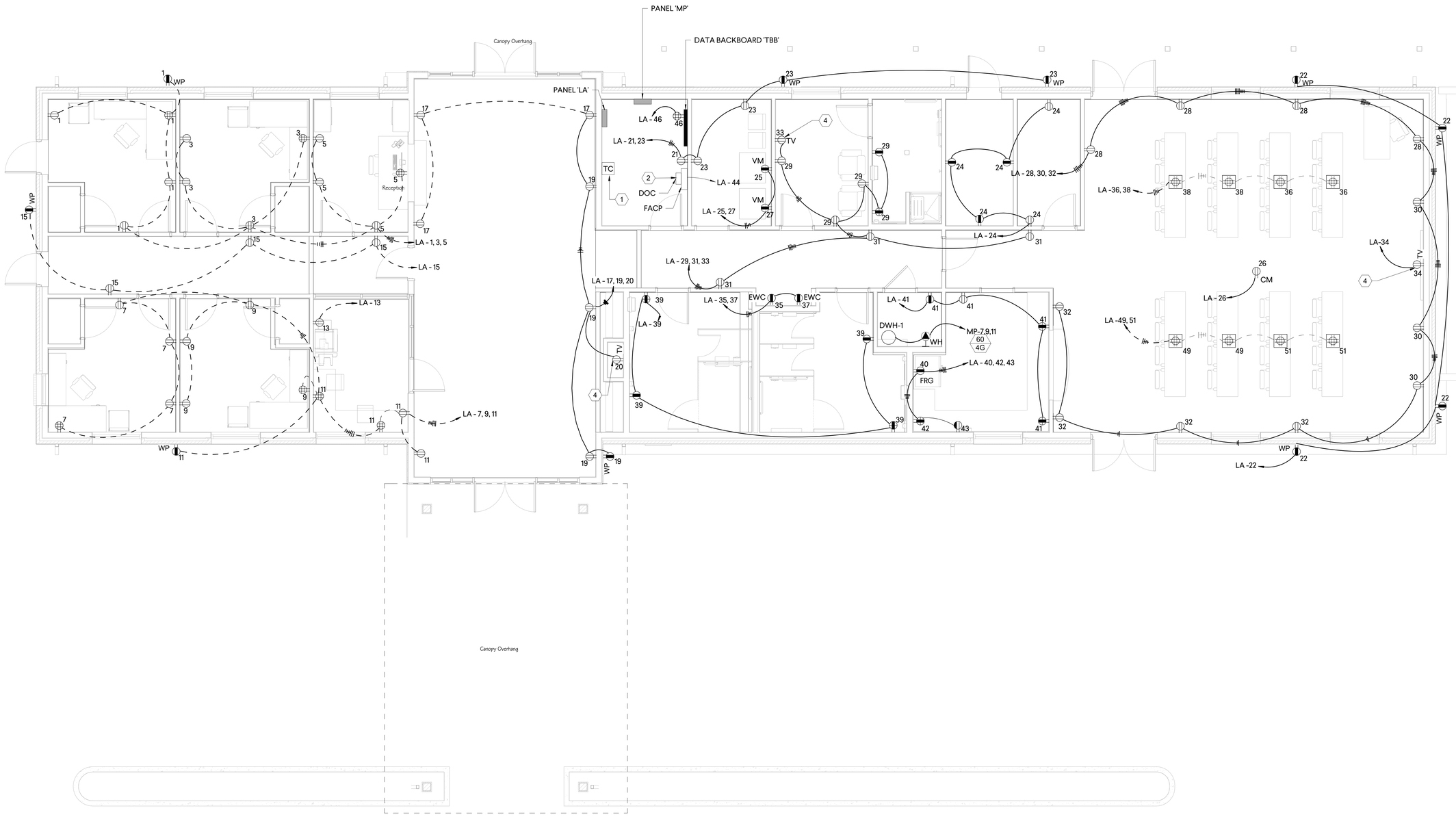
ELECTRICAL SITE PLAN

E0.01

KEYED NOTES (#):

1. TWO-CHANNEL TIMECLOCK FOR PARKING LOT LIGHTING (CHANNEL 1) & SIGN LIGHTING (CHANNEL 2). ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER FOR LIGHTING TIME OPERATION FOR BOTH CHANNELS.
2. ELECTRICAL CONTRACTOR SHALL MOUNT FIRE ALARM DOCUMENT BOX ABOVE OR BELOW FACP.
3. NOT USED.
4. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF TV RECEPTACLE WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.



ELECTRICAL POWER PLAN

1 / E1.01 — 1/4" = 1'-0"

TRUE NORTH

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ELECTRICAL POWER FLOOR PLAN

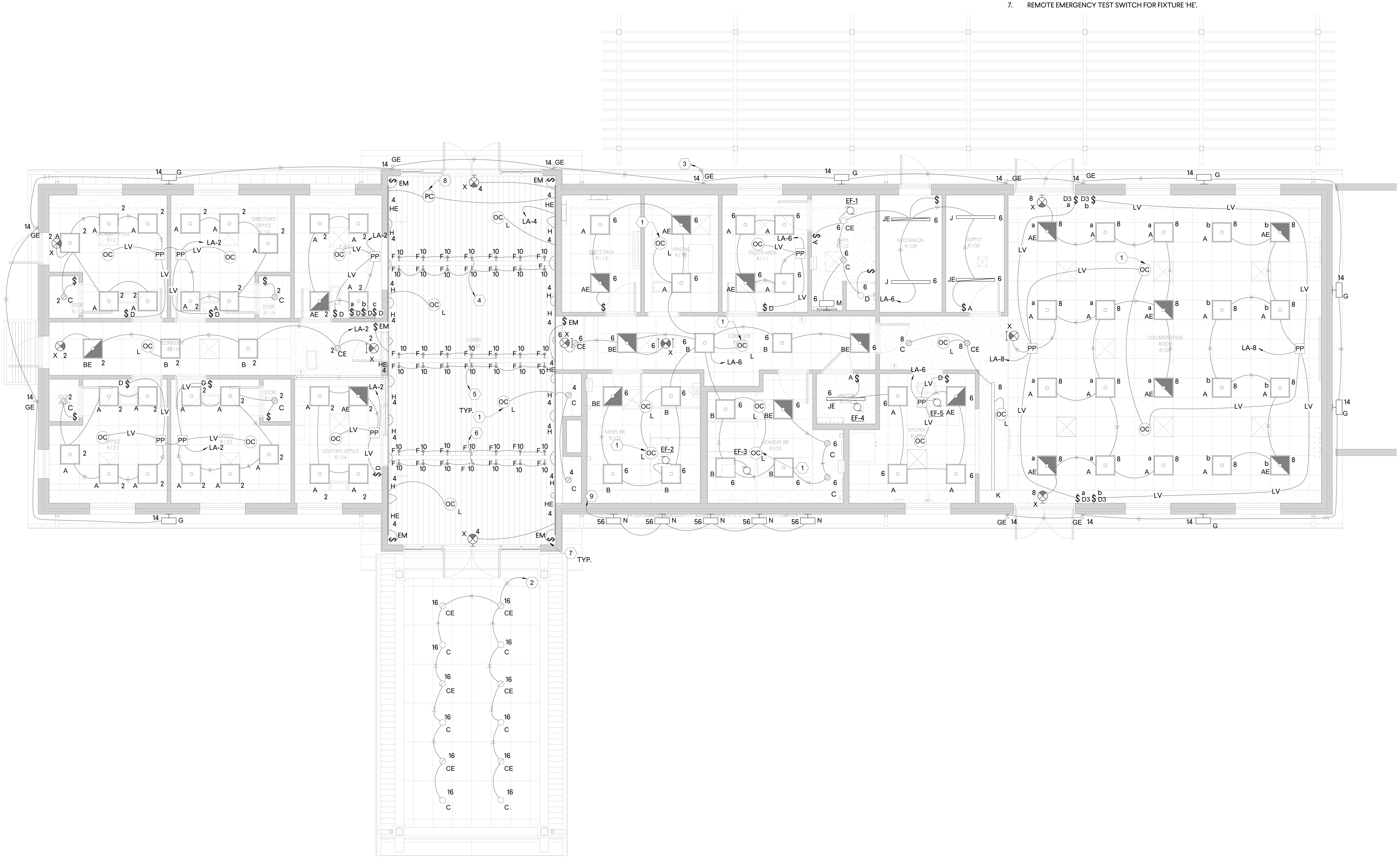
E1.01

GENERAL NOTES :

1. ELECTRICAL CONTRACTOR SHALL CONCEAL CONDUIT IN WALLS AND CEILINGS FOR ROUTING AROUND LOBBY AREA. NO CONDUIT SHALL BE EXPOSED TO VIEW IN LOBBY EXCEPT FOR FIXTURE 'F' TRACK LIGHT.

KEYED NOTES (#) :

1. INTERLOCK OCCUPANCY SENSORS SO THAT ACTIVATION OF ONE CONTROLS ALL LIGHTING IN AREA.
2. TO LA-16 THROUGH PHOTOCELL. SEE DETAIL 7/E5.03 FOR MORE INFORMATION.
3. TO LA-14 THROUGH PHOTOCELL. SEE DETAIL 7/E5.03 FOR MORE INFORMATION.
4. THROUGH LA-10, CONTROLLED BY DIMMER SWITCH "a".
5. THROUGH LA-10, CONTROLLED BY DIMMER SWITCH "b".
6. THROUGH LA-10, CONTROLLED BY DIMMER SWITCH "c".
7. REMOTE EMERGENCY TEST SWITCH FOR FIXTURE 'HE'.
8. PHOTOELECTRIC DAYLIGHT SENSOR MOUNTED ON ROOF. SENSOR SHALL CONTROL DOWNLIGHT FIXTURE OPERATION TO OPERATE DURING LOW LIGHT DETECTION.
9. SIGN LIGHTING CIRCUIT TO LA-56 THROUGH CHANNEL TWO OF TIMECLOCK. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER FOR LIGHTING CIRCUIT OPERATION TIME.



1 E2.01 ELECTRICAL LIGHTING PLAN
1/4" = 1'-0"

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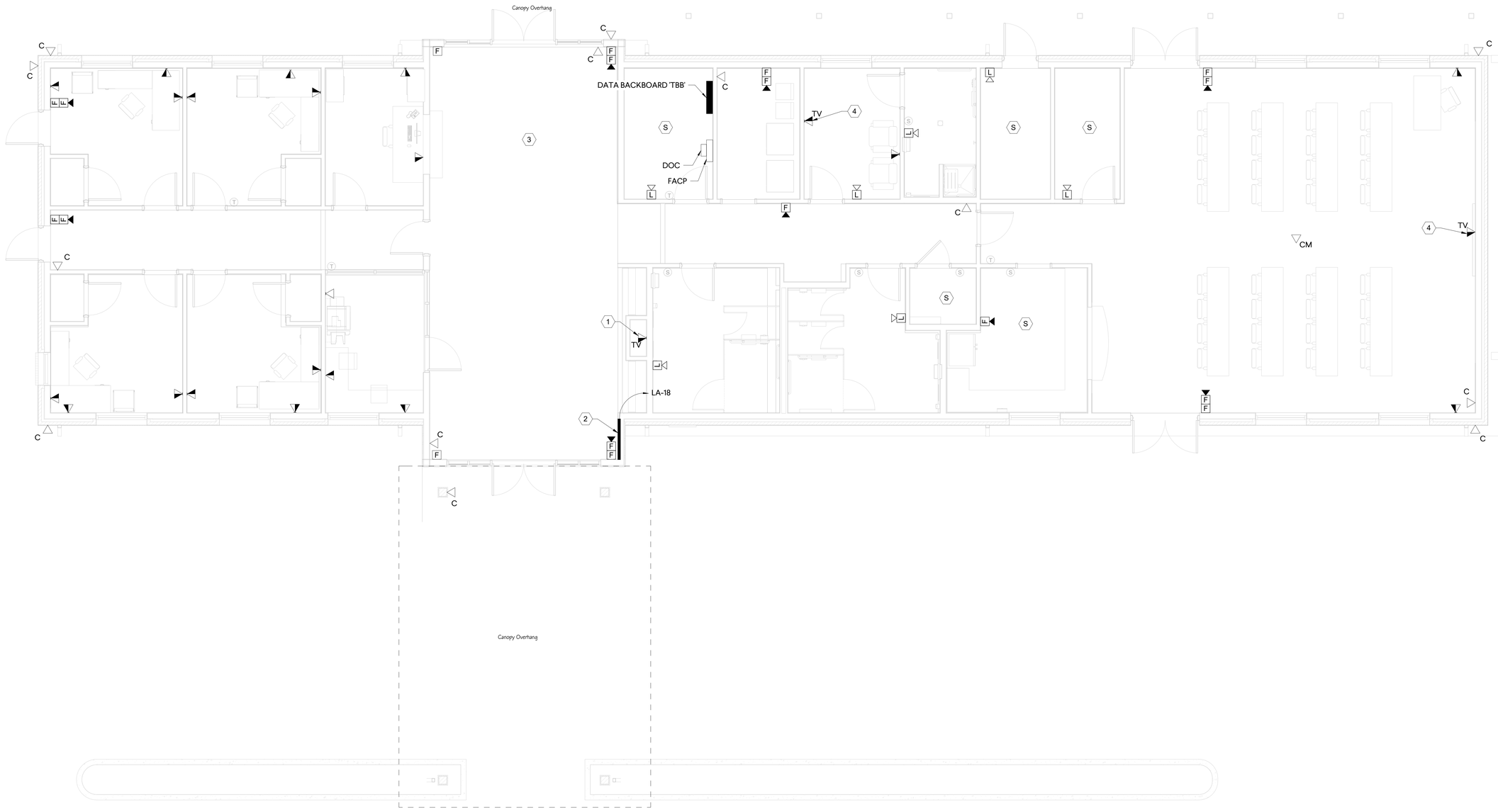
ELECTRICAL LIGHTING CEILING PLAN

E2.01

KEYED NOTES (#):

1. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECT FOR EXACT MOUNTING HEIGHT OF TV RECEPTACLE TO FIREPLACE.
2. FIRE ALARM ANNUNCIATOR PANEL SHALL BE FLUSH MOUNTED. ELECTRICAL CONTRACTOR SHALL INSTALL PER MANUFACTURER SPECIFICATION.
3. ELECTRICAL CONTRACTOR SHALL CONCEAL CONDUIT IN WALLS AND CEILINGS FOR ROUTING AROUND LOBBY AREA.
4. ELECTRICAL CONTRACTOR SHALL COORDINATE HEIGHT OF DEVICE WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.



ELECTRICAL AUXILIARY PLAN

1 E3.01 1/4" = 1'-0"

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ELECTRICAL AUXILIARY PLAN

E3.01

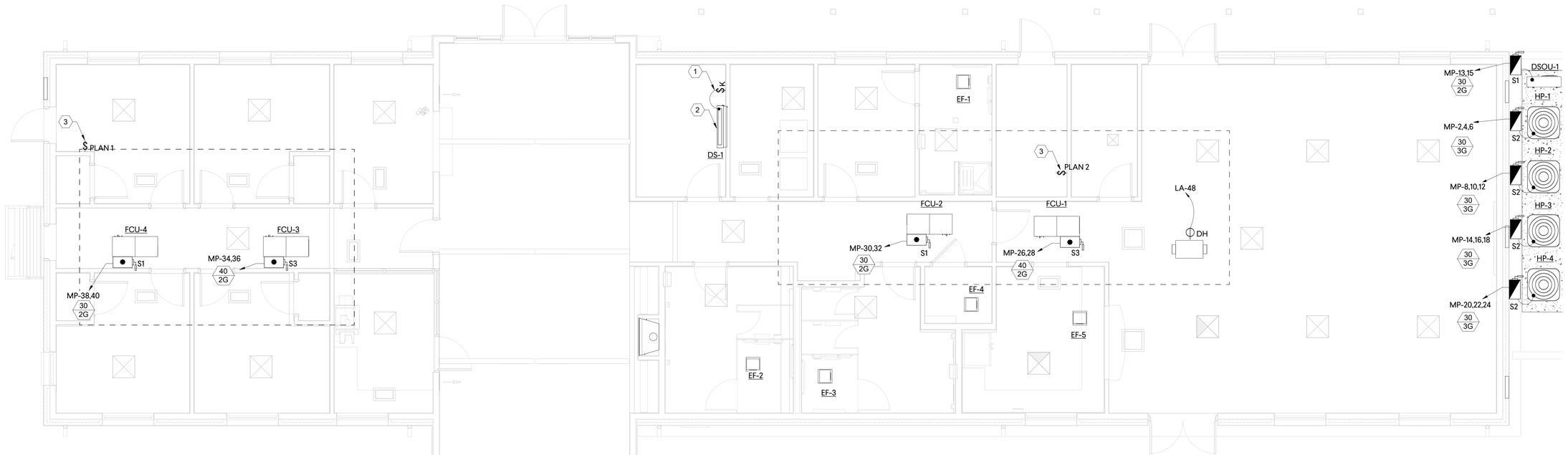
4/19/2024 11:08:07 AM TEMPLATE VERSION: 2022.1

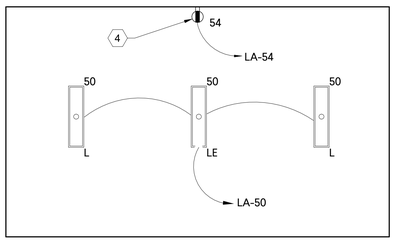
GENERAL NOTES:

1. DISCONNECTS FOR FCU UNITS LOCATED WITH UNIT IN ROOF CAVITY.
2. EF 1-5 POWERED THROUGH LIGHTING CONTROL CIRCUITS.
3. ELECTRICAL CONTRACTOR SHALL CONCEAL CONDUIT IN WALLS AND CEILINGS FOR ROUTING AROUND LOBBY AREA. NO CONDUIT SHALL B EXPOSED TO VIEW IN LOBBY EXCEPT FOR FIXTURE 'F' TRACK LIGHT.

KEYED NOTES (#):

1. ELECTRICAL CONTRACTOR SHALL INTERCONNECT MOTOR RATED TOGGLE SWITCH WITH DS-1 AS REQUIRED PER MANUFACTURER SPECIFICATION.
2. MECHANICAL UNIT DS-1 POWERED BY OUTDOOR UNIT. SEE MECHANICAL PLANS FOR MORE INFORMATION.
3. SWITCH CONNECTED TO ATTIC LIGHTING CIRCUIT.
4. ELECTRICAL CONTRACTOR SHALL INSTALL DUPLEX RECEPTACLE NEAR MECHAINCAL UNITS AS REQUIRED.



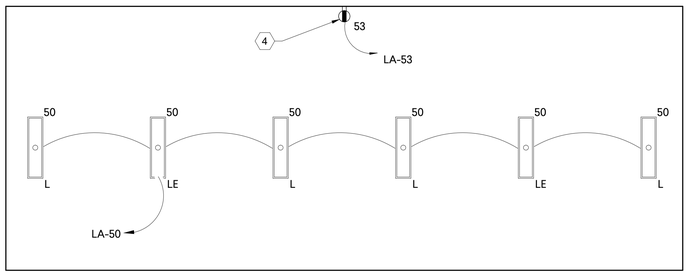


ATTIC
LIGHTING/POWER
PLAN 1

2 / E4.01

1/4" = 1'-0"

Canopy Overhang



ATTIC
LIGHTING/POWER
PLAN 2

3 / E4.01

1/4" = 1'-0"

ELECTRICAL
MECHANICAL POWER
PLAN

1 / E4.01

1/4" = 1'-0"

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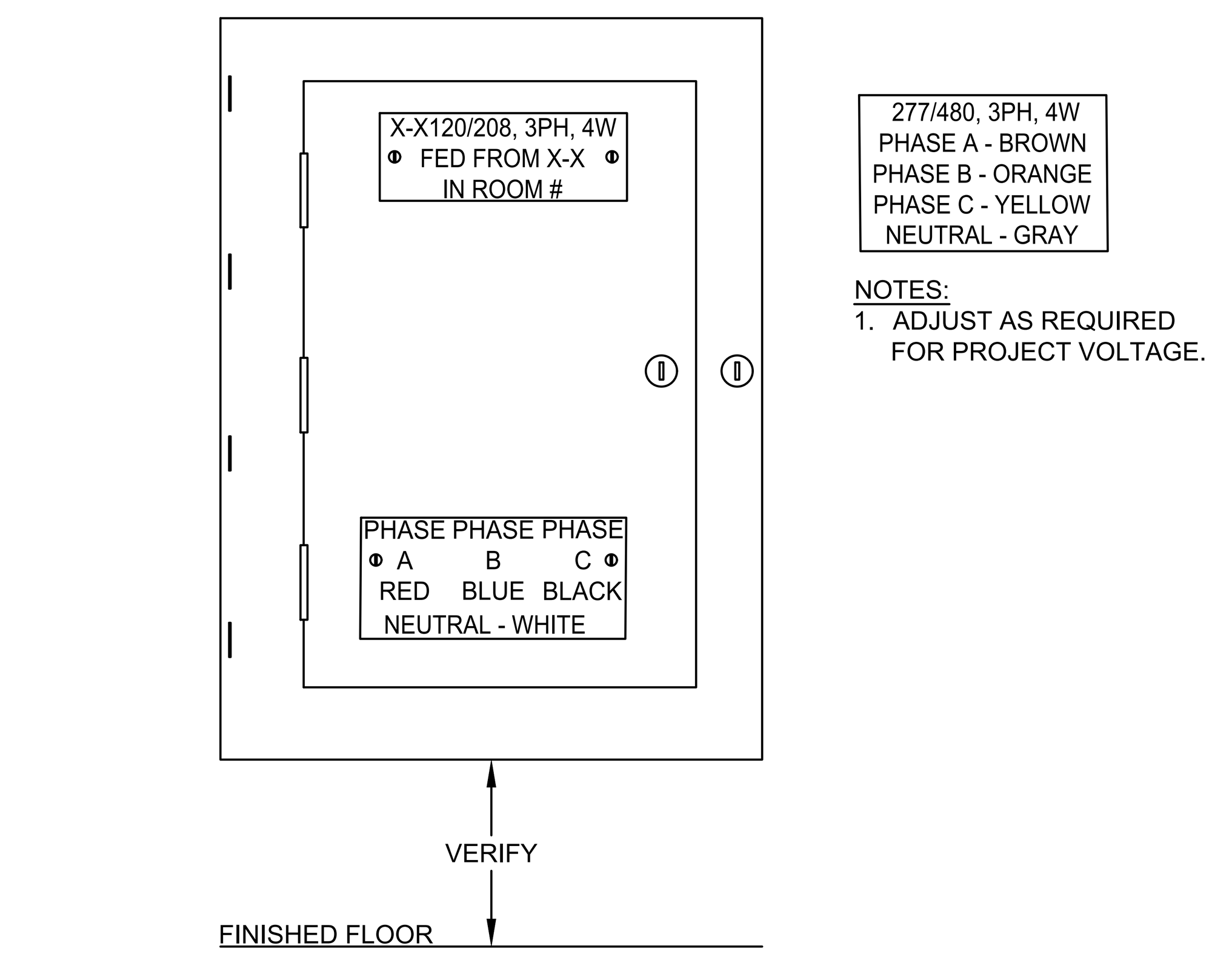
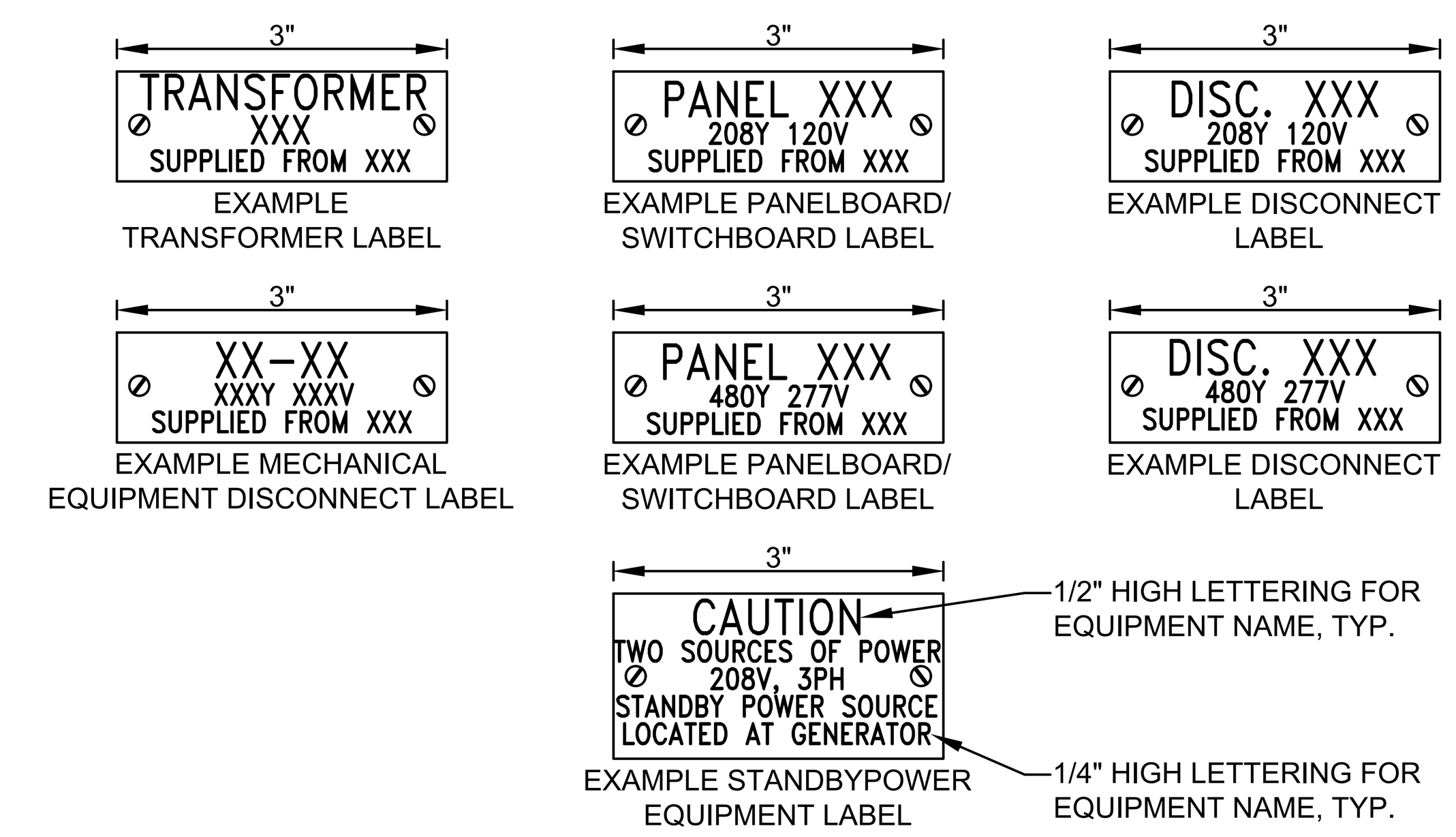
ELECTRICAL
MECHANICAL POWER
PLAN

E4.01



1 (E5.01) PANELBOARD INSTALLATION & NAME PLATE DETAIL

DIAGRAMMATIC

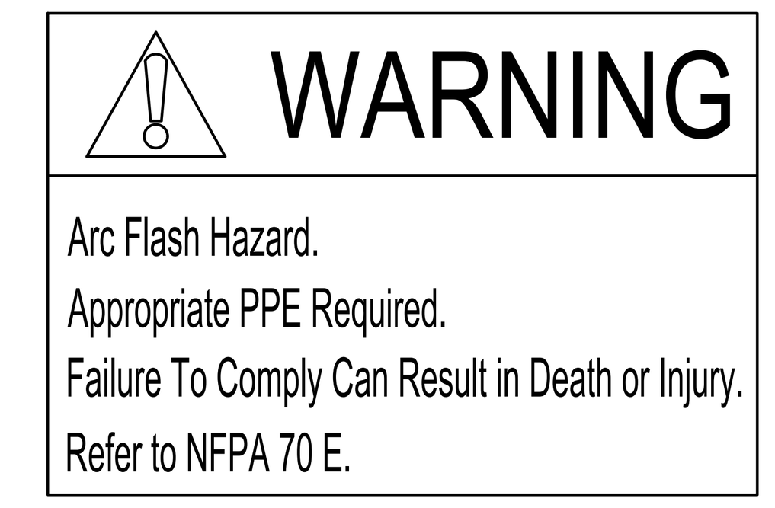


2 (E5.01) TYPICAL EQUIPMENT LABELING DETAIL

DIAGRAMMATIC

NOTES:

1. ENGRAVED PLASTIC TAG WITH WHITE LETTERS ON BLACK BACKGROUND (RED BACKGROUND FOR EMERGENCY EQUIPMENT). TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 2 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS.
2. MINIMUM EQUIPMENT LABEL SIZE MUST BE LARGE ENOUGH TO ACCOMMODATE ALL TEXT.

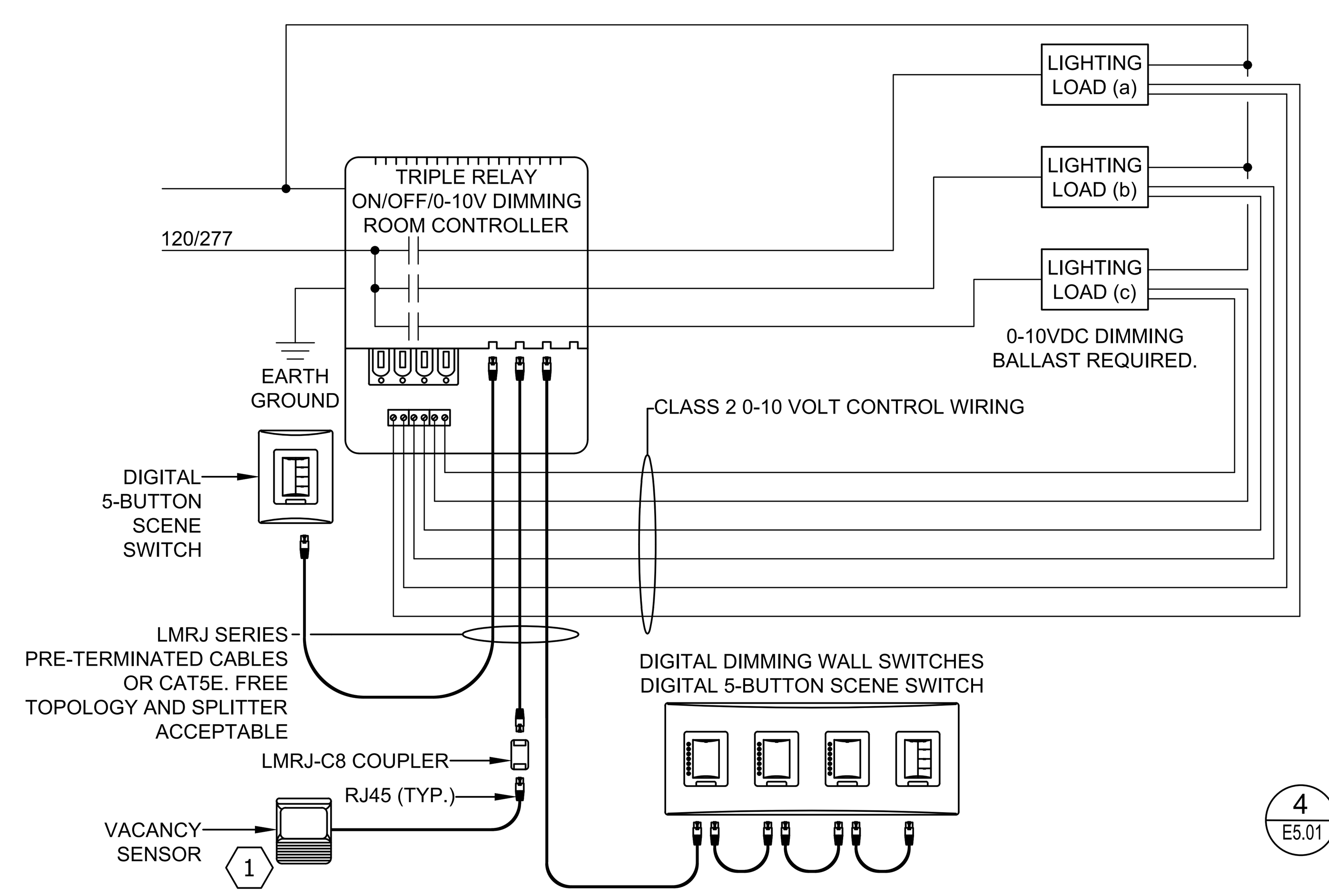


3 (E5.01) ARC FLASH WARNING LABEL

DIAGRAMMATIC

NOTES:

1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS.
2. THE LABEL FORMAT, SIZE, AND TEXT SHALL BE IN ACCORDANCE WITH OSHA AND NFPA 72 REQUIREMENTS.
3. THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.



GENERAL NOTES:

1. DEVICES ARE PRESET FOR PLUG AND GO OPERATION.
2. SEQUENCE OF OPERATION: IN THIS CONFIGURATION THE LMRC-213 DEFAULTS TO MULTI-LEVEL AUTOMATIC-ON AND AUTOMATIC-OFF OPERATION. LOAD (a) ON THE LMRC-213 TURNS ON AUTOMATICALLY, WHILE LOAD (b) AND LOAD (c) DEFAULTS TO MANUAL-ON CONTROL; ALL RELAYS TURN OFF AUTOMATICALLY.
3. ENHANCED ROOM CONTROLLERS SUPPORT UP TO 64 LOADS AND 48 DEVICES PER DLM LOCAL NETWORK. AT SYSTEM STARTUP, DEFAULT DIMMING PARAMETERS ARE ESTABLISHED INCLUDING: LEVELS FOR PRESETS 1-4; FADE TIMES; AND FADE AND RAMP RATERS. DIMMING AND SYSTEM PARAMETERS MAY BE CUSTOMIZED.
4. FOR FULL OPERATIONAL DETAILS. ADJUSTMENTS AND MORE FEATURES OF THE PRODUCT.

KEYED NOTE:

1. CORNER MOUNT SENSOR SHOWN WITH PIGTAIL AND SUPPLIED COUPLER. CEILING MOUNT SENSOR HAS TWO RJ45 PORTS.

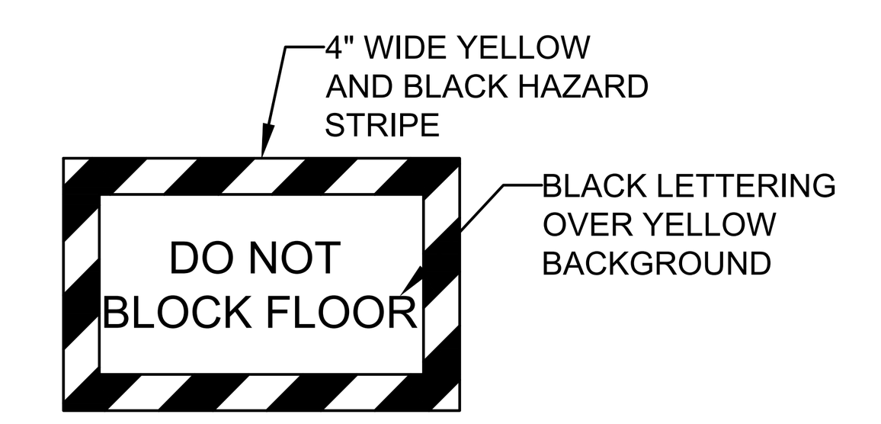
4 (E5.01) TYPICAL LIGHTING ROOM CONTROLLER DETAIL

NOT TO SCALE:

PANEL WORKING SPACES			
NOMINAL VOLTAGE TO GROUND	MINIMUM CLEAR DISTANCE		
	CONDITION 1	CONDITION 2	CONDITION 3
0-150	3'-0"	3'-0"	3'-0"
151-600	3'-0"	3'-6"	4'-0"

NOTE:
WHERE THE CONDITIONS ARE AS FOLLOWS:

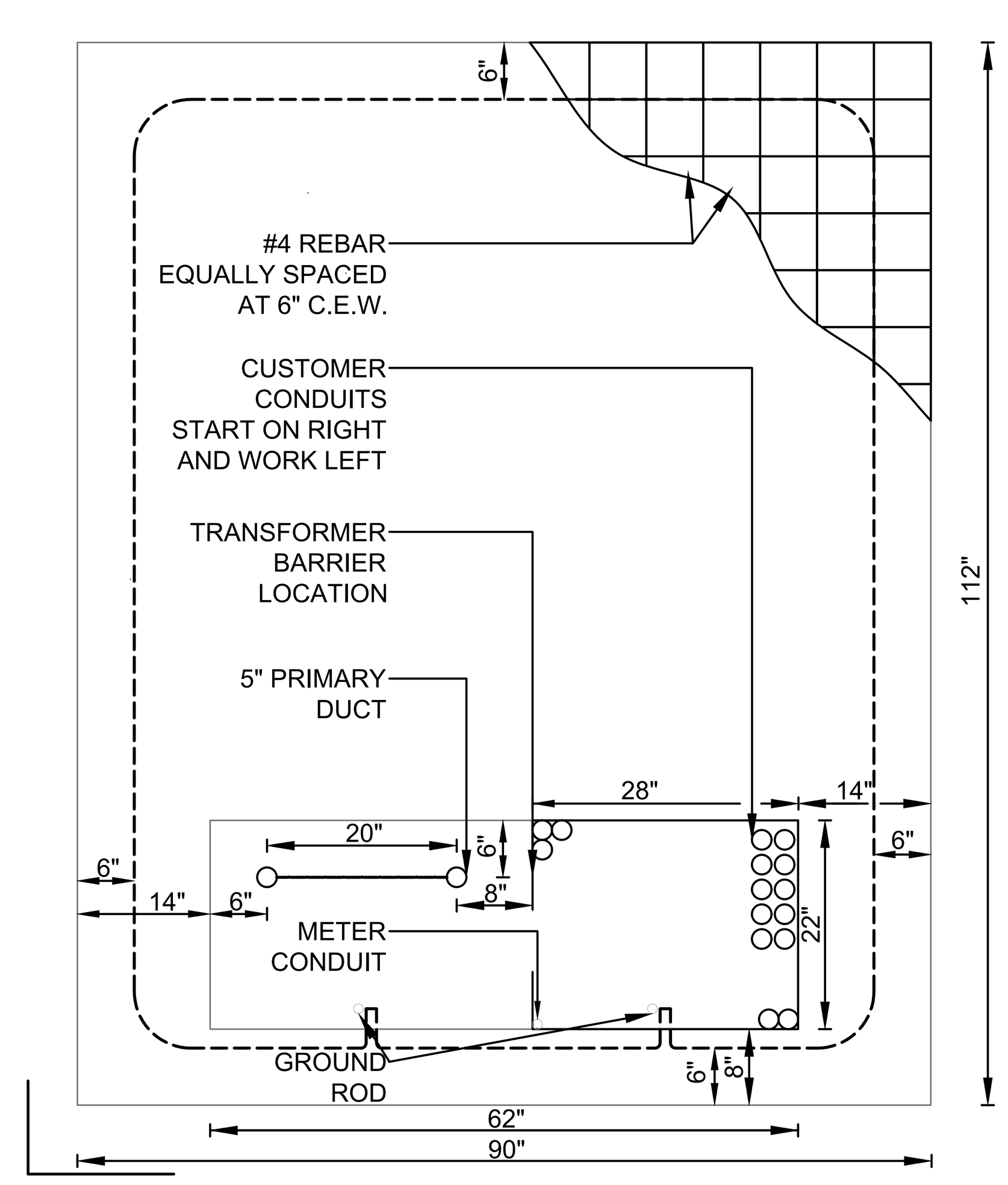
- CONDITION 1 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE THAT ARE EFFECTIVELY GUARDED BY INSULATING MATERIALS.
- CONDITION 2 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE. CONCRETE, BRICK, OR TILE WALLS SHALL BE CONSIDERED AS GROUNDED.
- CONDITION 3 - EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE.

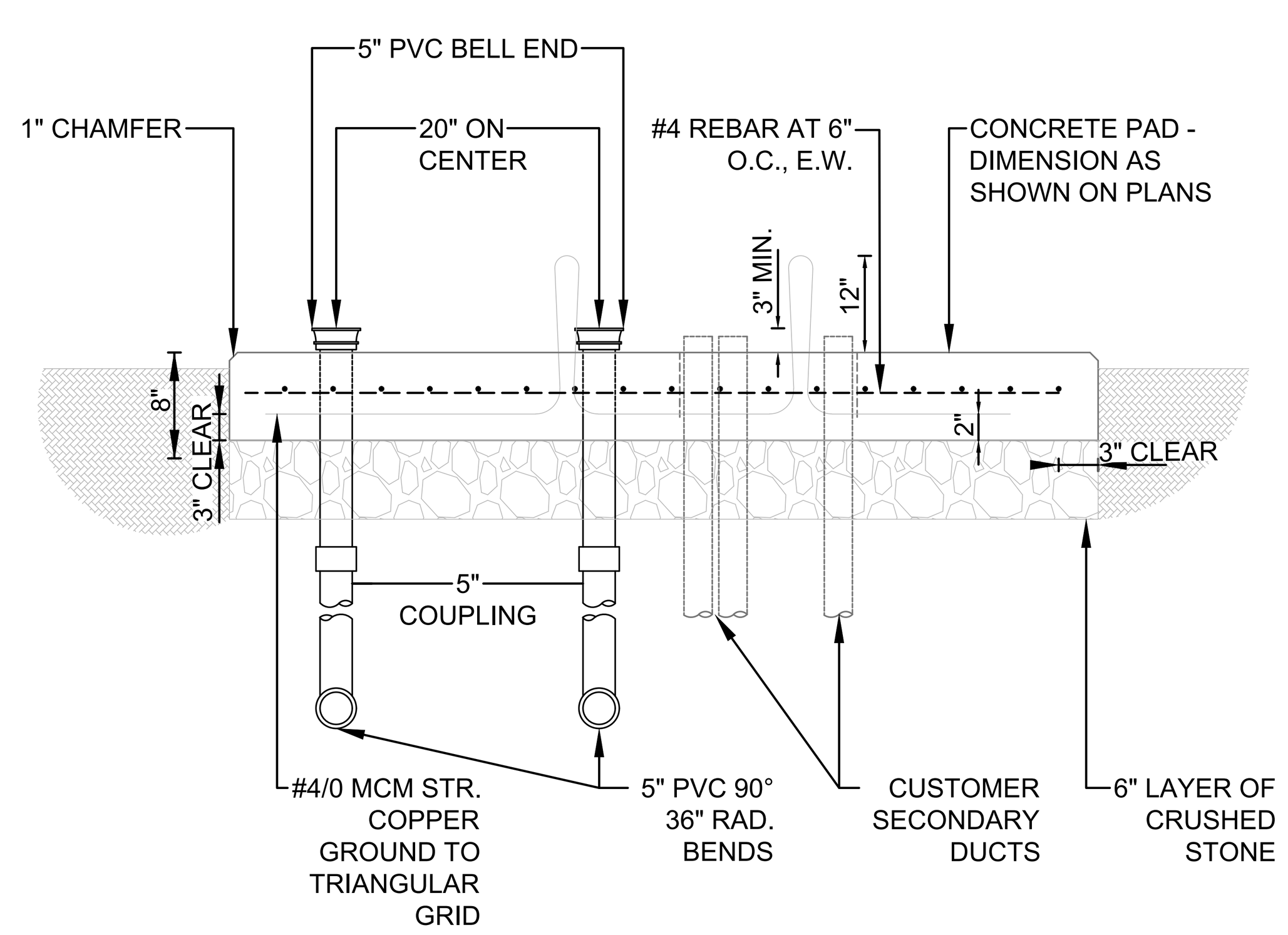


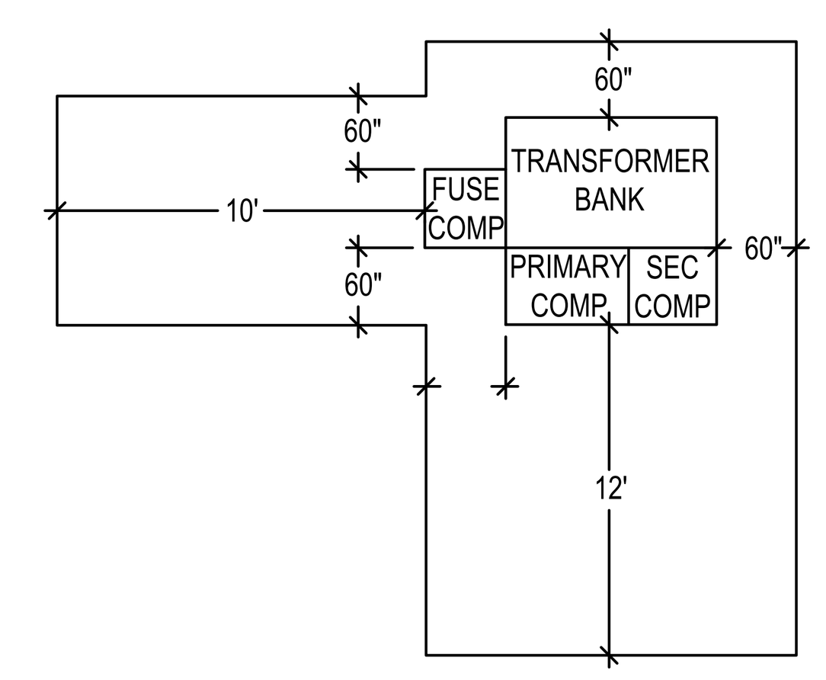
5 (E5.01) ELECTRICAL EQUIPMENT CLEARANCE MARKING

DIAGRAMMATIC

NOTES:
1.THIS DETAIL IS TYPICAL FOR ALL ELECTRICAL PANELS.







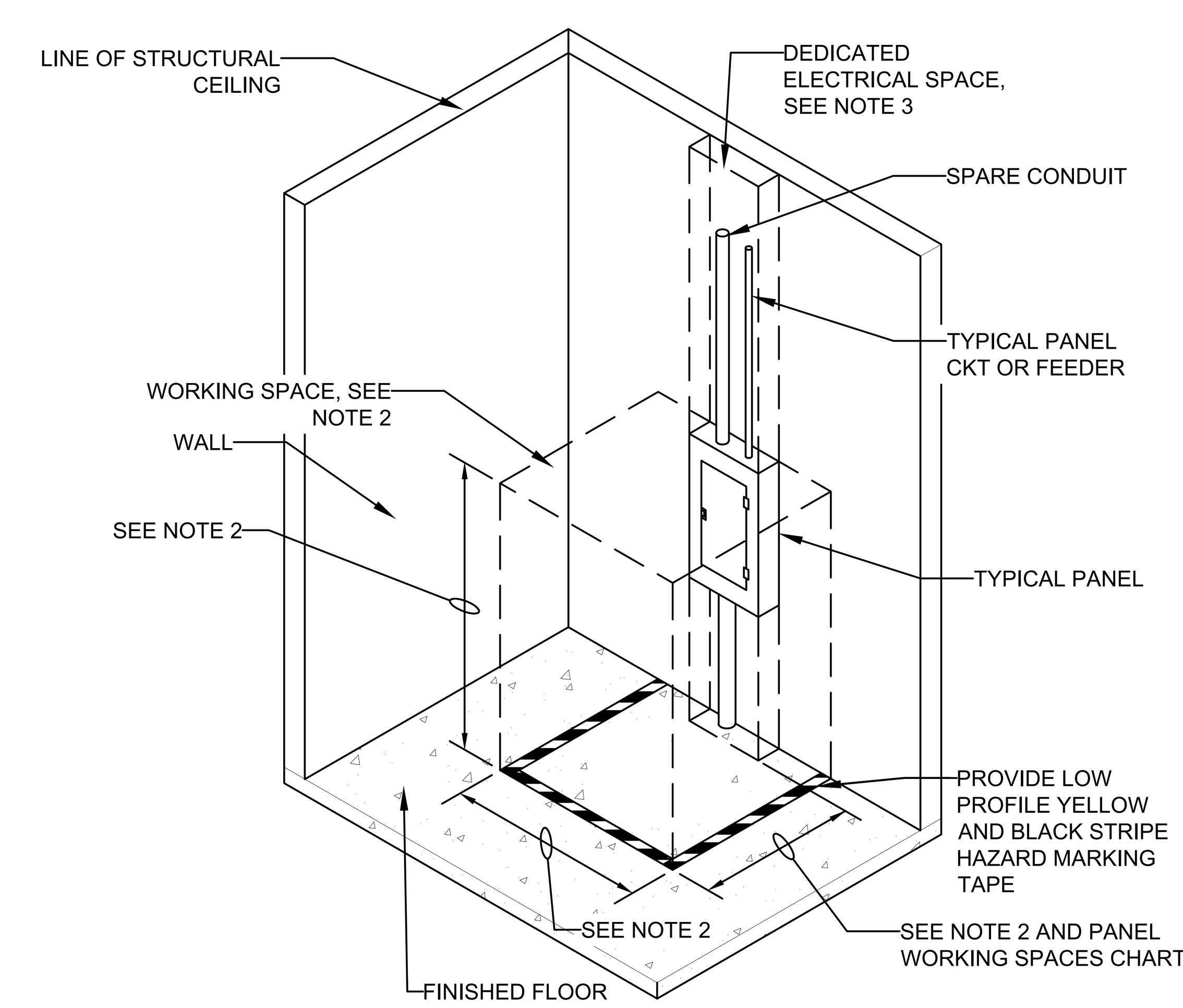
MINIMUM CLEARANCE REQUIREMENTS

6 (E5.01) TRANSFORMER PAD PLAN/SECTION VIEW

NOT TO SCALE

NOTES:

1. CONCRETE SHALL BE 3000 PSI, UNLESS DIRECTED OTHERWISE BY UTILITY COMPANY.



7 (E5.01) ELECTRICAL PANEL WORKING CLEARANCES

DIAGRAMMATIC

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Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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CHECKED BY: JEA

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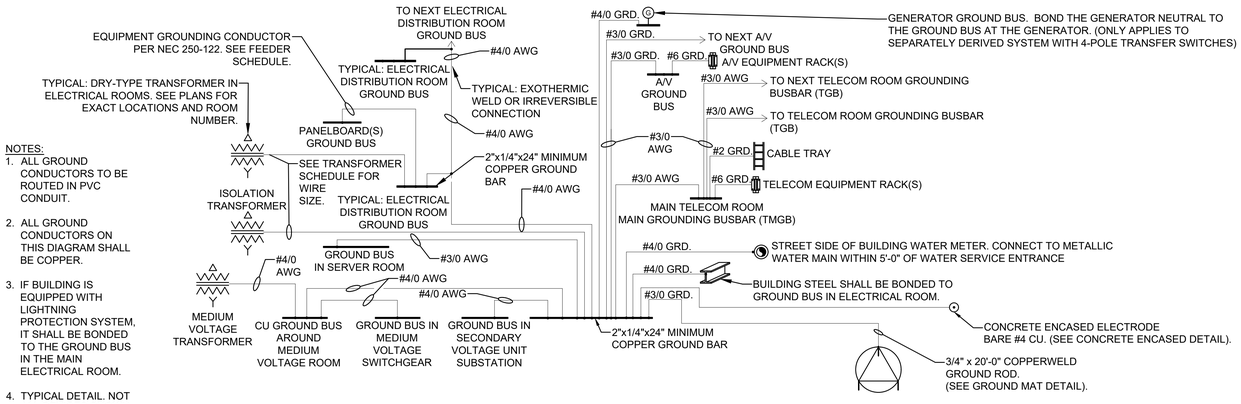
GMC # AATL230012

ELECTRICAL DETAILS

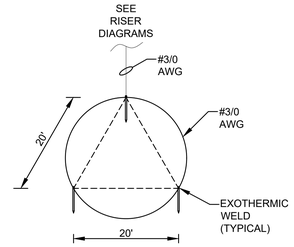
E5.01

VMGM230043



1 E5.02 GROUNDING SYSTEM DETAIL

DIAGRAMMATIC

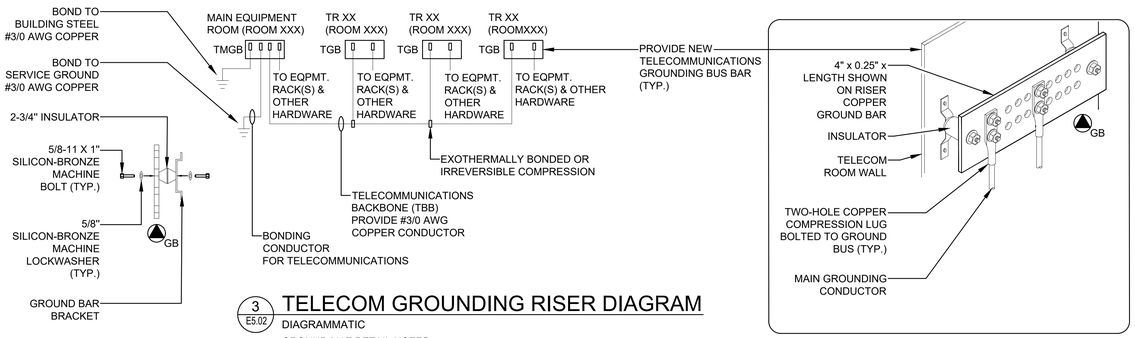


2 E5.02 GROUND MAT DETAIL

DIAGRAMMATIC

NOTES:

1. ALL WIRE FOR GROUND MAT SHALL BE #3/0 AWG UNO.
2. GROUND RODS SHALL BE 3/4" X 20' SECTIONAL COPPER GROUND RODS.
3. ALL CONNECTIONS BETWEEN GROUND RODS AND GROUND CONDUCTORS SHALL BE EXOTHERMIC WELD.
4. GROUND MAT SHALL BE INSTALLED 24" BELOW GRADE MINIMUM.
5. IN ADDITION TO THE GROUND MAT, THE CONTRACTOR SHALL PROVIDE A COMPLETE GROUNDING SYSTEM IAW N.E.C. ARTICLE 250.



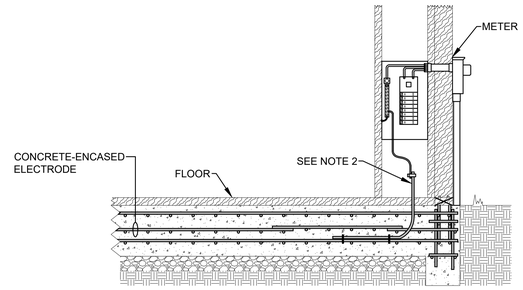
3 E5.02 TELECOM GROUNDING RISER DIAGRAM

DIAGRAMMATIC

GROUND MAT DETAIL NOTES:

1. TELECOMMUNICATIONS CONTRACTOR SHALL BOND ALL METAL RACKS, ENCLOSURES, CABLE RUNWAYS, AND OTHER METALLIC ELEMENTS IN MAIN EQUIPMENT ROOM AND TELECOMMUNICATIONS ROOM TO GROUND BUS BAR #6 AWG COPPER.

AXONOMETRIC VIEW

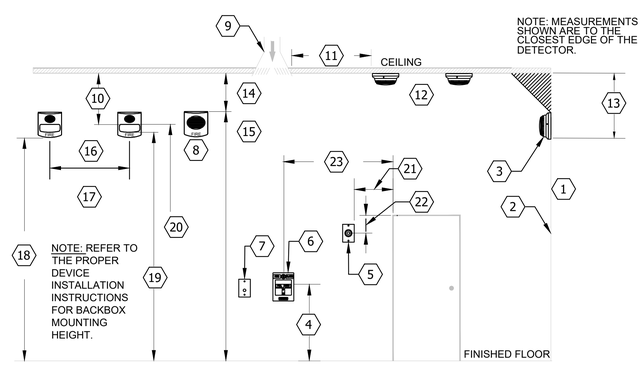


4 E5.02 CONCRETE-ENCASED ELECTRODE EXTENSION

DIAGRAMMATIC

NOTES:

1. AN EXTENSION FROM A CONCRETE-ENCASED ELECTRODE IS RECOGNIZED FOR CONNECTION OF GROUNDING ELECTRODE CONDUCTORS.
2. EXTENSION OR "STUB-UP" FROM A CONCRETE-ENCASED ELECTRODE.

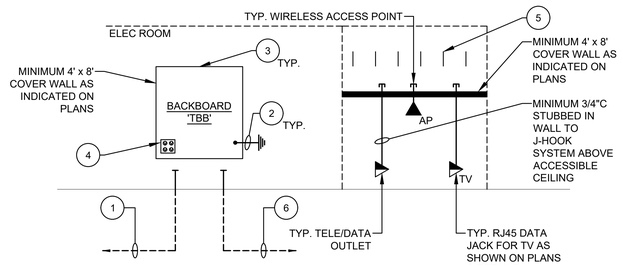


5 E5.02 DEVICE MOUNTING HEIGHT DETAIL (PER NFPA 72)

NOT TO SCALE

KEYED NOTE: (#)

1. SIDE WALL.
2. FINISHED WALL
3. WALL MOUNTED SMOKE/HEAT DETECTOR.
4. 48" MAX (ADA,NFPA), 42" MINIMUM (NFPA). MEASUREMENTS SHOWN ARE TO TOP OF PULL HANDLE.
5. MAGNETIC DOOR HOLDER.
6. MANUAL PULL STATION.
7. FIRE PHONE JACK.
8. AUDIBLE ONLY.
9. A/C SUPPLY OR RETURN DIFFUSER.
10. FOR CEILING HEIGHTS LESS THAN 86", THE VISUAL LENS MOUNTING HEIGHT SHALL BE WITHIN 6" OF THE CEILING.
11. 3' MINIMUM.
12. CEILING MOUNTED SMOKE/HEAT DETECTOR.
13. 12" MAX.
14. NFPA 72 AUDIBLE APPLIANCE 6" MINIMUM BELOW FINISHED CEILING.
15. 90" MINIMUM ABOVE FINISHED FLOOR (OTHER MOUNTING HEIGHTS SHALL BE PERMITTED BY THE AHJ PROVIDING IT MEETS THE SOUND LEVEL OUTPUT REQUIRED.)
16. AUDIBLE/VISUAL & VISUAL ONLY APPLIANCES.
17. SYCHRONIZE MORE THAN TWO APPLIANCES IN ANY FIELD OF VIEW.
18. REF. 80" MINIMUM (IBC) REF. 96" MAX (IBC) ABOVE FINISHED FLOOR.
19. 80" MINIMUM (ADA) TO BOTTOM OF LENS.
20. 96" MAX (NFPA, ADA) ABOVE FINISHED FLOOR TO TOP OF LENS.
21. DOOR WIDTH, LESS 3".
22. 5".
23. TO EXIT DOOR 5' MAX.



6 E5.02 TELE/COM RISER DIAGRAM

NOT TO SCALE

RISER DIAGRAM KEYED AND GENERAL NOTES (#)

1. INCOMING TELEPHONE SERVICE - COORDINATE PROPERTY TERMINATION POINT WITH OWNER, TWO 4" CONDUIT FOR FIBER OPTIC CONNECTION. FIBER CABLING SHALL BE BY LOCAL PROVIDER.
2. SEE TELECOM GROUNDING RISER DIAGRAM FOR ADDITIONAL REQUIREMENTS FOR GROUNDING.
3. FIRE RETARDANT PLYWOOD BACKBOARD - PAINTED WITH 2 COATS OF FIRE RETARDANT PAINT ON BOTH SIDES AND ALL EDGES.
4. QUAD NEMA 5-20 RECEPTACLE. MOUNT AT BOTTOM OF BACKBOARD.
5. PROVIDE A J-HOOK SYSTEM. LOCATE ABOVE CEILING WITH MINIMUM SPACING OF 36" ON CENTER. ROUTING SHALL BE FROM TELE/DATA OUTLETS SHOWN ON THE PLANS BACK TO TELEPHONE BACKBOARD.
6. ONE 3" EC STUBBED OUT FOR FUTURE USE. SEE SHEET E0.01 FOR ADDITIONAL INFORMATION.

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GMC

Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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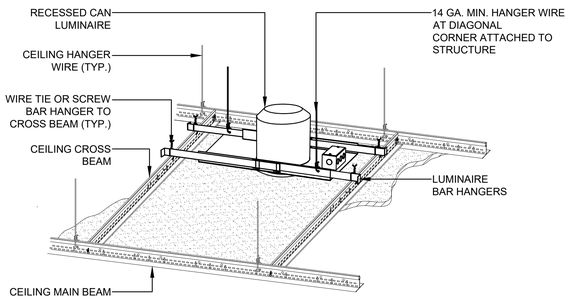
ELECTRICAL DETAILS

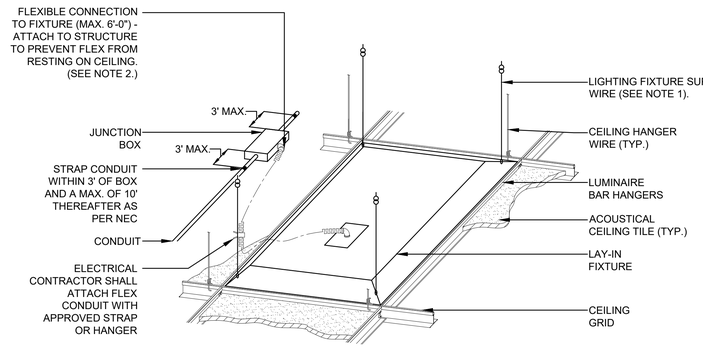
E5.02



1 E5.03 DOWNLIGHT MOUNTING - GYPBOARD CEILING

DIAGRAMMATIC

NOTE:
1. WHERE GYPBOARD INSTALLED HARD ON STRUCTURE (NOT SUSPENDED) ADJUST DETAIL ACCORDINGLY.

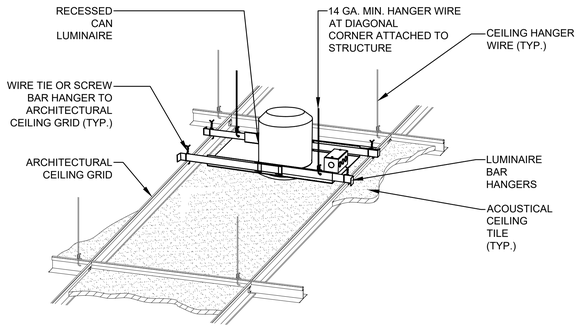


2 E5.03 LAY-IN FIXTURE SUPPORT DETAIL

DIAGRAMMATIC

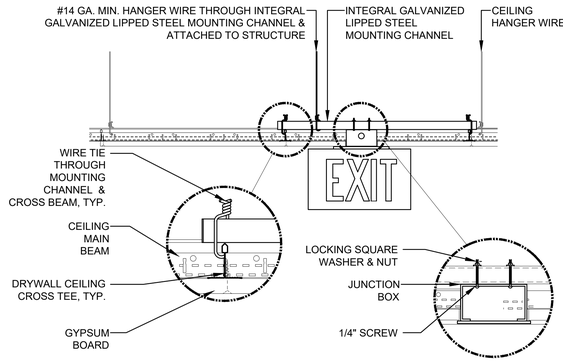
NOTES:
1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL LIGHTING FIXTURE HANGERS SEPARATE FROM CEILING SYSTEM HANGERS. LIGHTING FIXTURE SUPPORT WIRES SHALL BE ATTACHED TO STRUCTURAL MEMBERS SO THAT FIXTURE IS SUPPORTED INDEPENDENT OF CEILING. WIRE TO BE A MIN. OF #14 GAGE PRE-STRAIGHTENED GALV. ATTACH AT ALL 4 CORNERS.
2. FLEX CONNECTOR SHALL BE PROPERLY SUPPORTED AND SHALL NOT BE IN CONTACT WITH OTHER MATERIAL IN CEILING SUCH AS DUCT WORK OR DUCT INSULATION.

GENERAL NOTE:
1. INDEPENDENT SUPPORT WIRES MUST BE MARKED (PAINTED) SO THAT THEY CAN BE DISTINGUISHABLE AS NON CEILING SUPPORT WIRES PER NEC.
2. INDEPENDENT SUPPORT WIRES SHALL NOT HAVE AN ANGLE OF MORE THAN 45° FROM THE CEILING GRID.



3 E5.03 DOWNLIGHT MOUNTING - LAY-IN CEILING

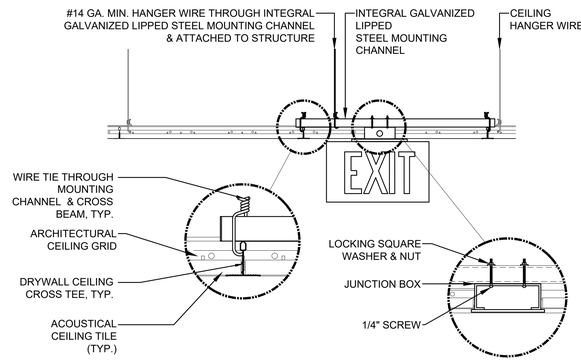
DIAGRAMMATIC



4 E5.03 EXIT SIGN MOUNTING - GYPBOARD CEILING

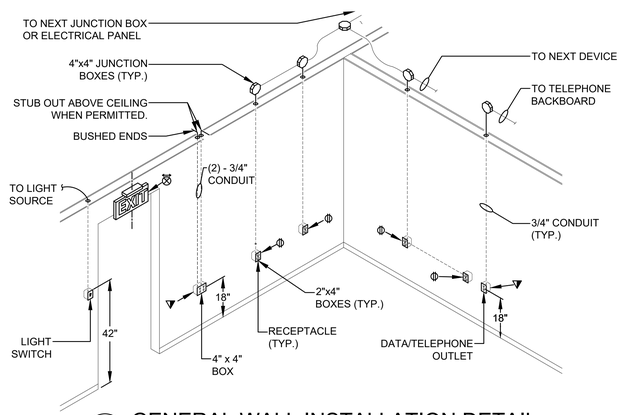
DIAGRAMMATIC

NOTE:
1. WHERE GYPBOARD INSTALLED HARD ON STRUCTURE (NOT SUSPENDED) ADJUST DETAIL ACCORDINGLY.



5 E5.03 EXIT SIGN MOUNTING - LAY-IN CEILING

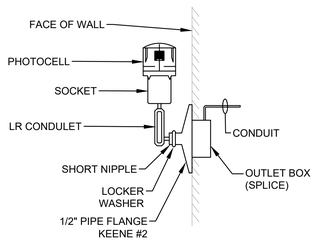
DIAGRAMMATIC



6 E5.03 GENERAL WALL INSTALLATION DETAIL

DIAGRAMMATIC

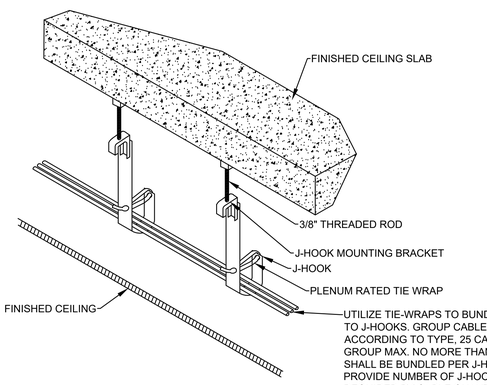
NOTES:
1. EXIT SIGN SHALL BE CEILING MOUNTED (E-203/4) ON CENTERLINE OF DOOR REGARDLESS OF CEILING GRID.



7 E5.03 INSTALLATION OF PHOTO CELL

DIAGRAMMATIC

NOTES:
1. PAINT CONDUIT NIPPLE, SOCKET, AND PIPE FLANGE WITH TWO COATS OF ENAMEL.
2. COMPLETE ASSEMBLY TO BE UL LISTED FOR WET LOCATIONS.
3. PHOTOCELL TO BE MOUNTED FACING NORTH FREE FROM ALL SHADOWS WHICH MIGHT CAUSE PHOTOCELL TO TURN LIGHTS ON EARLY. CONTRACTOR SHALL COORDINATE PROPER MOUNTING LOCATION PRIOR TO INSTALLATION.



8 E5.03 J-HOOK CABLE MANAGEMENT DETAIL (CEILING SLAB MOUNT)

DIAGRAMMATIC

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Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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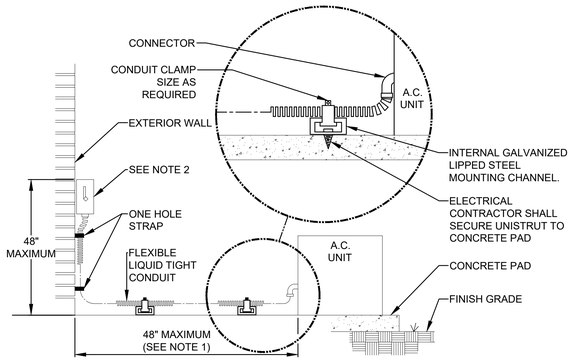
ELECTRICAL DETAILS

E5.03

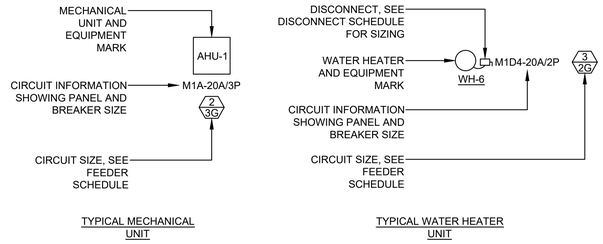


1 E5.04 TYP. MECH. UNIT CONNECTION DETAIL

DIAGRAMMATIC

NOTES:

1. FOR DISTANCES GREATER THAN 48", CONDUIT TO BE ROUTED BELOW GRADE TO WITHIN 6" OF MECHANICAL UNIT, STUB-UP WITH RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECHANICAL UNIT, WITH CONNECTION MADE AT UNIT AS SHOWN ABOVE.
2. DISCONNECT SWITCH OR PANEL AS SHOWN ON DRAWINGS.



TYPICAL MECHANICAL UNIT

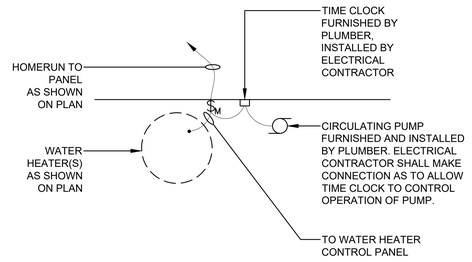
TYPICAL WATER HEATER UNIT

2 E5.04 MECHANICAL EQUIPMENT DETAIL

DIAGRAMMATIC

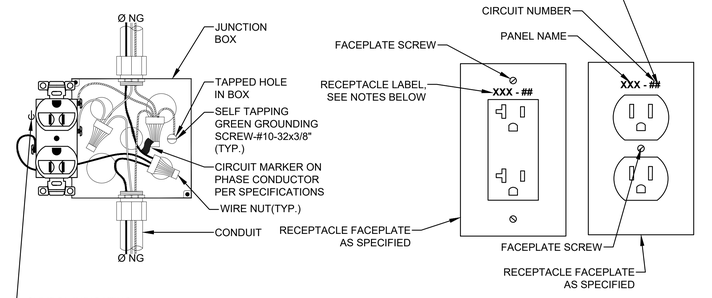
NOTES:

1. THIS DETAIL IS TYPICAL FOR ALL MECHANICAL/PLUMBING EQUIPMENT INCLUDING BUT NOT LIMITED TO AIR HANDLERS, MINI SPLITS, ROOF TOP UNITS, WATER HEATERS, ETC.
2. IF NO DISCONNECT IS SHOWN, UNIT IS FURNISHED WITH INTEGRAL DISCONNECT FROM MANUFACTURER OR IS IN SIGHT OF ELECTRICAL PANEL. MAKE ELECTRICAL CONNECTIONS PER MANUFACTURER'S REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL VERIFY UNITS HAVE INTEGRAL DISCONNECT WITH MECHANICAL CONTRACTOR.
3. DISCONNECT SWITCH SHALL BE LOCATED AS REQUIRED TO HAVE PROPER CLEARANCE AS PER NEC.



3 E5.04 WATER HEATER CONNECTION DETAIL

DIAGRAMMATIC

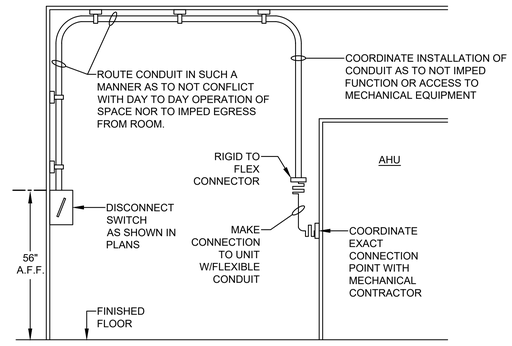


4 E5.04 TYPICAL RECEPTACLE AND FACEPLATE DETAIL

DIAGRAMMATIC

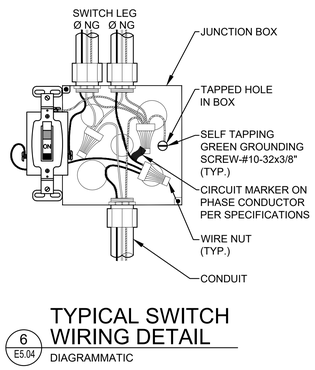
NOTES:

1. GREEN GROUND CONDUCTOR SHALL BE CONTINUOUS SO THAT REMOVAL OF DEVICE WILL NOT INTERFERE WITH GROUND CONTINUITY.
2. PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT.
3. RECEPTACLE FACEPLATES SHALL BE LABELED WITH THE PANEL NAME AND CIRCUIT NUMBER IT IS FED FROM.
4. LETTERING SHALL BE A MINIMUM OF 3/16" HIGH.
5. STAINLESS STEEL FACEPLATE
   LETTER (FILL) COLOR:
   NORMAL = WHITE.
   EMERGENCY = RED.
   STAINLESS STEEL FACEPLATE LABELS SHALL BE ENGRAVED
6. PLASTIC FACEPLATE
   LETTER FILL COLOR:
   NORMAL = BLACK
   EMERGENCY = RED
   PLASTIC FACEPLATE LABELS SHALL BE LASER-PRINTED ON CLEAR SELF ADHESIVE VINYL.



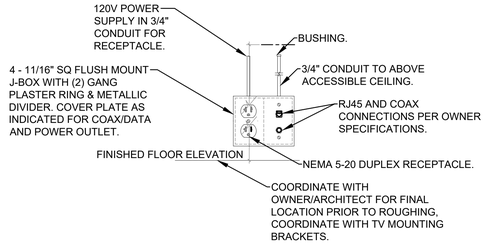
5 E5.04 AIR HANDLER CONNECTION DETAIL

DIAGRAMMATIC



6 E5.04 TYPICAL SWITCH WIRING DETAIL

DIAGRAMMATIC

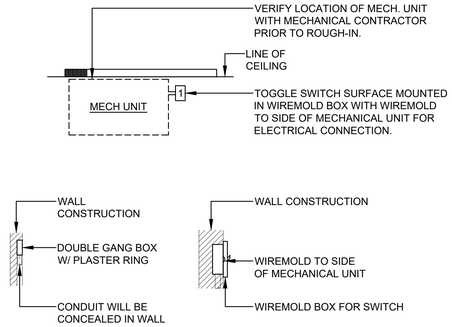


7 E5.04 RECESSED TV BOX OUTLET

DIAGRAMMATIC

NOTES:

1. THE COMBINATION OUTLET SHALL BE LOCATED HORIZONTALLY WITHIN 12" OF THE CENTER LINE OF THE TELEVISION BRACKET. FIELD COORDINATE THE EXACT LOCATION WITH THE GENERAL CONTRACTOR.



8 E5.04 MINI-SPLIT CONNECTION DETAIL

DIAGRAMMATIC

NOTES:

1. CONNECTION TO OUTDOOR AS REQUIRED BY MANUFACTURER WILL BE ROUTED SO THAT IT IS CONCEALED.

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
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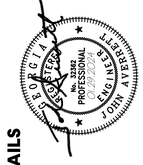
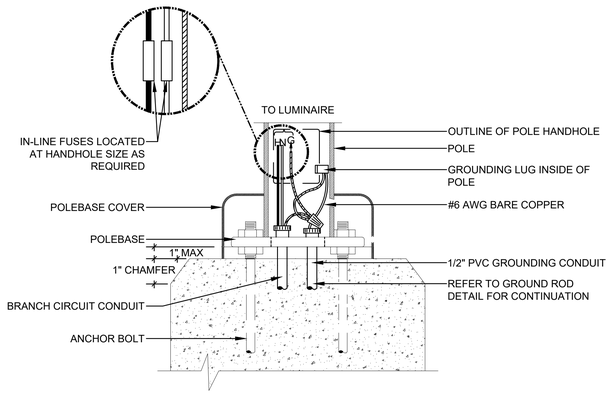


ELECTRICAL DETAILS

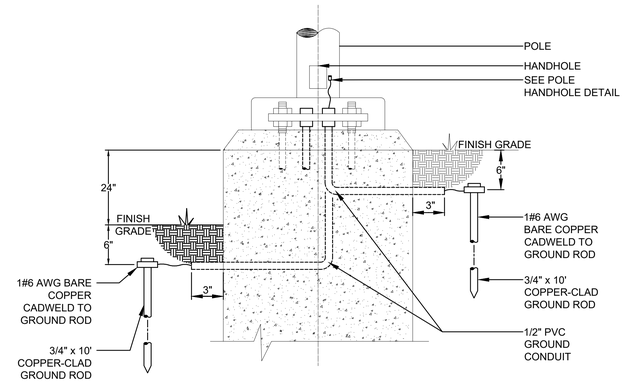
E5.04

VMGM230043



1 E5.05 POLE HANDHOLE DETAIL

DIAGRAMMATIC

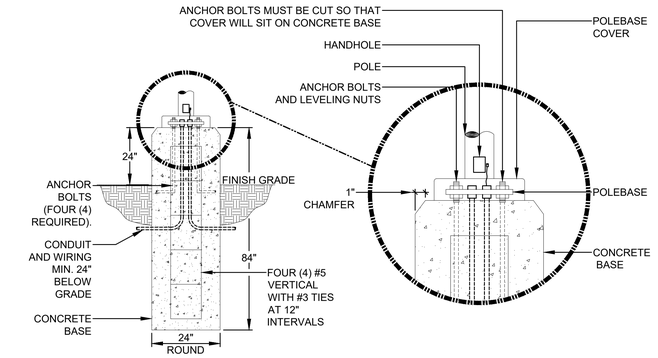


2 E5.05 GROUND ROD DETAIL

DIAGRAMMATIC

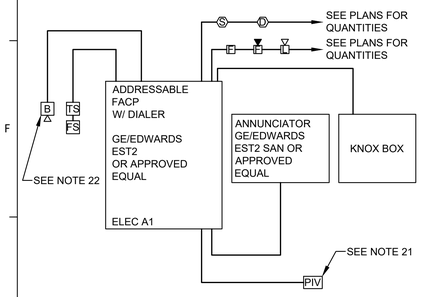
NOTE:

1. DETAIL TYPICAL FOR ALL STANDARDS.



3 E5.05 POLEBASE DETAIL - ABOVE GRADE

DIAGRAMMATIC



4 E5.05 FIRE ALARM RISER DIAGRAM

DIAGRAMMATIC

FIRE ALARM SYSTEM NOTES:

1. THE FIRE ALARM SYSTEM SHALL BE A COMPLETE SUPERVISED DETECTION AND ALARM SYSTEM. PROVIDE PRIMARY POWER CIRCUITS, ALARM NOTIFICATION DEVICES, AND EQUIPMENT, AND INITIATING CIRDUITS AND DEVICES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. INSTALL SUCH THAT ALL DEVICES AND EQUIPMENT ARE ACCESSIBLE FOR VISUAL INSPECTION AND MAINTENANCE.
2. INSTALLATION SHALL COMPLY WITH THE ADA, NEC, NFPA, AND UL.
3. ALL SYSTEM ENCLOSURES, FRAMES, SURGE ARRESTORS, ETC., SHALL BE GROUNDED.
4. A "CERTIFICATE OF COMPLETION" IN ACCORDANCE WITH NFPA72 SHALL BE FURNISHED PRIOR TO FINAL ACCEPTANCE.
5. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND PROVIDING ALL FIRE ALARM DEVICE QUANTITIES FROM DRAWINGS (SEE NOTE 19).
6. PROVIDE ADDITIONAL NOTIFICATION APPLIANCE CIRCUIT PANELS, AMPLIFIERS, POWER SUPPLIES, ETC. FOR FUTURE CAPACITY TO HAVE SYSTEM WORK CORRECTLY AS ONE SYSTEM.
7. PROVIDE EMERGENCY BATTERIES CAPABLE OF RUNNING THE COMPLETE FIRE ALARM SYSTEM IN ALARM MODE, PER NFPA GUIDELINES AT A MINIMUM. BATTERIES SHALL BE SIZED TO HANDLE THE FUTURE CAPACITY.
8. FIRE ALARM SYSTEM SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72.
9. ALL WIRING TO BE IN CONDUIT SIZED IN ACCORDANCE WITH NEC. WITH A MINIMUM SIZE OF 3/4".
10. PROVIDE ALL FIRE ALARM JUNCTION BOXES WITH RED COVERS.
11. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR PROVIDING SIGNAL LINE BOOSTERS AS REQUIRED FOR SYSTEM TO FUNCTION PROPERLY.
12. PROVIDE TVSS PROTECTION FOR ALL INCOMING SERVICES (OWNER PROVIDED TELEPHONE, ETC.) TO ALL FIRE ALARM PANELS. ANY CIRCUITS LEAVING BUILDING SHALL HAVE TVSS PROTECTION.
13. PROVIDE CONNECTION TO TELEPHONE SYSTEM FOR AUTO-DIALER FOR EMERGENCY NOTIFICATION. CONTRACTOR WILL COORDINATE WITH OWNER TO ENSURE OWNER HAS PROVIDED NECESSARY CONNECTION TO TELEPHONE SYSTEM. CONTRACTOR SHALL ENSURE THAT THE FIRE ALARM SYSTEM IS FULLY FUNCTIONAL PRIOR TO LIFE SAFETY AND FINAL INSPECTIONS.
14. PROVIDE CONNECTION TO POST INDICATOR VALVE (OR BACKFLOW PREVENTER) AS PER REQUIREMENTS OF LOCAL AHJ. VERIFY LOCATION PRIOR TO SUBMITTING PRICE.
15. ALL FIRE ALARM SYSTEM SUBMITTALS MUST BE SUBMITTED FOR APPROVAL BY LOCAL AHJ. ANY AND ALL COMMENTS MUST BE INCLUDED WITH SUBMITTAL TO ENGINEER'S OFFICE FOR REVIEW.
16. CONTRACTOR SHALL PROVIDE FIRE ALARM SHOP DRAWINGS TO INCLUDE THE FOLLOWING PER NFPA 72.

A. INDICATE TYPE OF BUILDING CONSTRUCTION AND OCCUPANCY.

B. INDICATE TYPE OF FIRE ALARM SYSTEM, FIRE ALARM DEVICES, AND AREA OF COVERAGE.

C. INDICATE ALL FIRE ALARM DEVICES AND EQUIPMENT ON PLANS AND WIRING DIAGRAMS. PROVIDE CALCULATIONS SHOWING SECONDARY SUPPLY AND VOLTAGE DROP, AND RESPONSE POINTS.

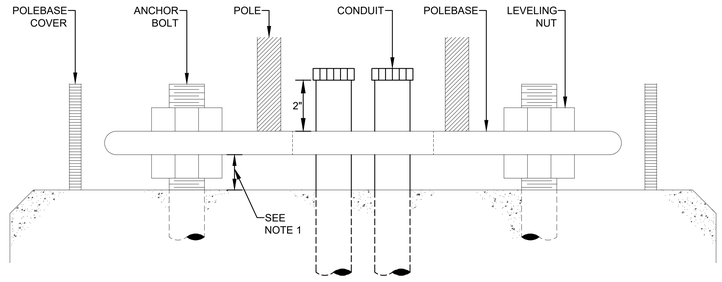
D. COMPLETE LIST OF DETECTION, EVACUATION SIGNALING, AND ANNUNCIATOR ZONES.

E. INDICATE CANDELA RATINGS FOR ALL VISUAL NOTIFICATION DEVICES.

F. COMPLETE LIST OF SAFETY CONTROL FUNCTIONS, SEQUENCE OF OPERATIONS DETAILING ALL INPUTS AND OUTPUTS.

G. NOTE ON PLAN INDICATING THAT THE INSTALLATION SHALL BE CERTIFIED AND THE INSTALLATION SHALL BE PLACARDED.

17. PROVIDE OPERATING AND MAINTENANCE PROCEDURES TO INCLUDE A MINIMUM OF 4 HRS OF TRAINING BY FACTORY TRAINED TECHNICIAN.
18. CONTRACTOR TO PROVIDE IN THE BID A MINIMUM OF ADDITIONAL 2 PULL STATIONS, , 2 HORN STROBES, 3 STROBES, 1 TAMPER SWITCH, AND 1 FLOW SWITCH COMPLETE WITH 100' OF CONDUIT AND CABLE PER DEVICE FOR PLACEMENT PER THE DIRECTION OF THE AHJ. IF DEVICES NOT INSTALLED. SHALL BECOME OWNER'S ATTIC STOCK AND A CREDIT FOR LABOR WILL BE ISSUED.
19. PROVIDE ALLOWANCE FOR KNOX BOX CONNECTION. COORDINATE FINAL LOCATION WITH THE FIRE MARSHALL. REFER TO PLAN FOR NUMBER AND LOCATION AS APPROVED BY AHJ AND OWNER.
20. WITH EVERY SYSTEM, A DOCUMENT CABINET SHALL BE INSTALLED AT THE SYSTEM CONTROL UNIT OR AT ANOTHER APPROVED LOCATION AT THE PROTECTED PREMISES. ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET. WHERE THE DOCUMENTATION CABINET IS NOT IN THE SAME LOCATION AS THE SYSTEM CONTROL UNITS, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT. THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS". THE CONTENTS OF THE CABINET SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
21. EACH PIV LOCATION WILL HAVE A FIRE ALARM CONNECTION TO A TAMPER SWITCH AND FLOW SWITCH. REFER TO SITE PLAN FOR EXACT NUMBER AND LOCATIONS.
22. PROVIDE A WEATHERPROOF BELL AS DESCRIBED IN LEGEND AT EACH RISER LOCATION - COORDINATE EXACT LOCATION WITH LOCAL AHJ.

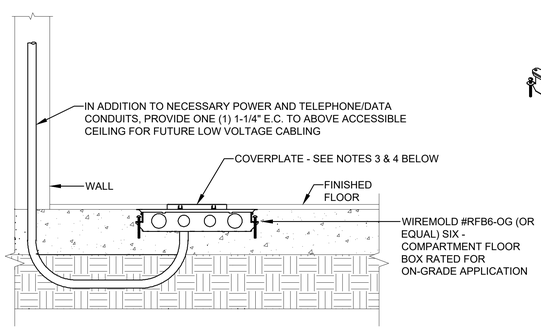


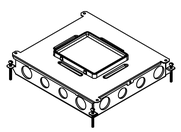
5 E5.05 LARGE SCALE POLEBASE DETAIL

DIAGRAMMATIC

NOTE:

1. MOUNT AS CLOSE AS POSSIBLE TO CONCRETE BASE (NOT TO EXCEED 1").





ISOMETRIC

NOTES:

1. ALL COVERPLATE MATERIALS/FINISHES SHALL BE AS SELECTED BY THE ARCHITECT. CONTRACTOR SHALL PROVIDE CARPET/TILE CUTOUT INSERTS IN COVERPLATE LID (TO MATCH ADJACENT CARPET/TILE) WHERE LID HAS AN INSERT AREA.
2. ALL COVER FLANGE OPTIONS SHALL GENERALLY BE AS FOLLOWS, BUT SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW/APPROVAL PRIOR TO ORDERING FLOOR BOXES:
   a. CARPET AND VCT FLOORING: FLANGED TRIM.
   b. TILE OR SIMILAR FLOORING (WITH GROUTING): FLANGELESS TRIM.
3. EACH FLOOR BOX SHALL BE PROVIDED WITH TWO (2) 20A-120V-1P, GROUNDING NEMA 5-20R DUPLEX POWER RECEPTACLES CONNECTED TO THE CIRCUITS INDICATED ON THE PLANS, UNLESS NOTED OTHERWISE, AND 2 TEL/COM OUTLETS COMPLETE WITH CONDUIT STUBBED OUT TO ABOVE ACCESSIBLE CEILING.

GENERAL NOTES:

1. THE EXACT LOCATIONS AND ORIENTATIONS OF ALL FLOOR BOXES SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECT PRIOR TO ROUGH-IN.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING PENETRATIONS THROUGH SLABS AND OPENINGS/CONDUITS WITHIN SLABS WITH THE INSTALLER OF THE SLABS PRIOR TO ROUGH-IN.

6 E5.05 TYPICAL FLOOR BOX DETAIL

DIAGRAMMATIC

VMGM230043

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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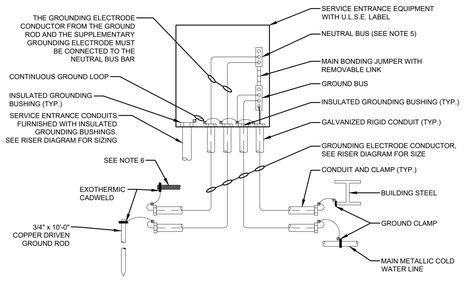
DRAWN BY: RTM
CHECKED BY: JJEA

JACKSON COUNTY AIRPORT TERMINAL AREA DEVELOPMENT
500 SKY HARBOR WAY, JEFFERSON GA

GMC # AATL230012

ELECTRICAL DETAILS

E5.05

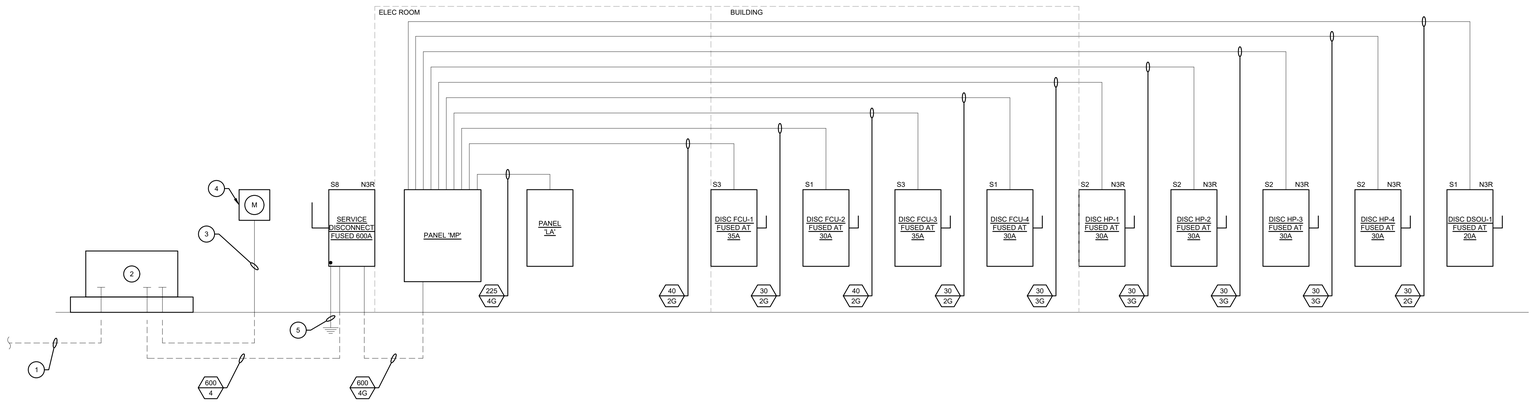


1 E6.01 SERVICE ENTRANCE GROUNDING DETAIL

DIAGRAMMATIC

NOTES:

1. GROUNDING ELECTRODE CONDUCTORS SHALL BE ENCLOSED FULL LENGTH BY GALVANIZED RIGID CONDUIT AS INDICATED.
2. GROUNDING ELECTRODE CONDUCTORS SHALL BE BARE COPPER, SOFT-DRIVEN.
3. ALL BUSHING CLAMPS, JUMPERS, DEVICES, ETC. INSTALLED IN DIRECT CONTACT WITH EARTH SHALL BE APPROVED FOR THE PURPOSE.
4. GROUNDING ELECTRODE CONDUCTORS SIZED 6 AWG OR SMALLER SHALL HAVE A CONTINUOUS GREEN OUTER FINISH PER N.E.C.
5. GROUNDING ELECTRODE CONDUCTOR FROM GROUND ROD AND REBAR MUST BE CONNECTED TO THE NEUTRAL BUS BAR AHEAD OF THE BONDING JUMPER.
6. 20' GROUNDING ELECTRODE ENCASED IN CONCRETE IN THE DEEPEST FOOTING AND BENT INSIDE THE BUILDING. GROUNDING ELECTRODE CONDUCTOR MUST BE CONNECTED TO THE OTHER STRUCTURAL REBAR (BY OTHERS) ENCASED IN CONCRETE. REBAR MAY BE USED AS THE GROUNDING ELECTRODE CONDUCTOR. REBAR SHALL BE PAINTED GREEN WHERE EXPOSED OUTSIDE OF THE CONCRETE. THIS IS NOT REQUIRED IN EXISTING BUILDING RENOVATION PROJECTS WHERE A NEW SERVICE IS BEING PROVIDED.
7. IF NONE OF THE OPTIONS ARE AVAILABLE, THE ELECTRICAL CONTRACTOR SHALL USE A COUNTER POISE SYSTEM AS PER THE N.E.C.
8. CONNECTION MUST BE MADE TO THE METAL COLD WATER PIPE WITHIN 5' OF THE POINT OF ENTRANCE INTO THE BUILDING.
9. METAL GAS PIPE SHALL NOT BE USED AS A GROUNDING ELECTRODE CONDUCTOR PER N.E.C. HOWEVER, IF A METAL GAS PIPE IS PROVIDED BY OTHER, IT MUST BE BONDED TO THE GROUNDING ELECTRODE SYSTEM.



2 E6.01 POWER RISER DIAGRAM

DIAGRAMMATIC

RISER DIAGRAM LEGEND (4)

1. ELECTRICAL CONTRACTOR SHALL PROVIDE 2-5" PVC CONDUITS FROM PADMOUNTED TRANSFORMER TO UTILITY CO. RISER POLE, AS PER UTILITY COMPANY REQUIREMENTS.
2. NEW PADMOUNTED TRANSFORMER PROVIDED BY UTILITY CO. CONCRETE PAD BY ELECTRICAL CONTRACTOR AS PER UTILITY CO. REQUIREMENTS.
3. 1-1/4"C FOR METERING.
4. METER FURNISHED BY UTILITY CO. AND INSTALLED BY ELECTRICAL CONTRACTOR. MOUNT TO EXTERIOR BUILDING AS REQUIRED.
5. GROUNDS PER NEC AND DETAILS.

FEEDER SCHEDULE

SYMBOL	COPPER	SYMBOL	COPPER	SYMBOL	COPPER	SYMBOL	COPPER
30 / 2G	2#10 & 1#10(G) - 3/4"C	150 / 3G	3#1/0 & 1#6(G) - 1 1/2"C	250 / 3G	3#250MCM & 1#4(G) - 2 1/2"C	500 / 4G	2 PARALLEL RUNS OF 4#250MCM & 1#2(G) - 3"C
30 / 3G	3#10 & 1#10(G) - 3/4"C	150 / 4G	4#1/0 & 1#6(G) - 2"C	250 / 4G	4#250MCM & 1#4(G) - 3"C	600 / 4	2 PARALLEL RUNS OF 4#350MCM - 3"C
40 / 2G	2#8 & 1#10(G) - 3/4"C	175 / 3G	3#2/0 & 1#6(G) - 2"C	300 / 3G	3#350MCM & 1#4(G) - 3"C	600 / 4G	2 PARALLEL RUNS OF 4#350MCM & 1#1(G) - 3"C
60 / 3G	3#6 & 1#10(G) - 1"C	175 / 4G	4#2/0 & 1#6(G) - 2"C	300 / 4G	4#350MCM & 1#4(G) - 3"C	800 / 4G	2 PARALLEL RUNS OF 4#600MCM & 1#1/0(G) - 4"C
100 / 3G	3#3 & 1#8(G) - 1-1/4"C	200 / 3G	3#3/0 & 1#6(G) - 2"C	350 / 3G	3#500MCM & 1#3(G) - 3"C	1000 / 4G	3 PARALLEL RUNS OF 4#500MCM & 1#2/0(G) - 3 1/2"C
100 / 4G	4#3 & 1#8(G) - 1-1/4"C	200 / 4G	4#3/0 & 1#6(G) - 2"C	350 / 4G	4#500MCM & 1#3(G) - 3 1/2"C	1200 / 4G	3 PARALLEL RUNS OF 4#600MCM & 1#3/0(G) - 4"C
125 / 3G	3#1 & 1#6(G) - 1-1/4"C	225 / 3G	3#4/0 & 1#4(G) - 2"C	400 / 3G	3#600MCM & 1#3(G) - 3 1/2"C	1200 / 4G	3 PARALLEL RUNS OF 4#600MCM & 1#3/0(G) - 4"C
125 / 4G	4#1 & 1#6(G) - 1-1/2"C	225 / 4G	3#4/0 & 1#4(G) - 2 1/2"C	400 / 4G	4#600MCM & 1#3(G) - 4"C		

NOTES:
1. SCHEDULE IS TYPICAL AND MAY CONTAIN ITEMS NOT REQUIRED FOR THIS PROJECT.

GROUNDING ELECTRODE CONDUCTOR TABLE

SIZE OF LARGEST UNGROUNDED SERVICE-ENTRANCE CONDUCTOR OR EQUIVALENT AREA FOR PARALLEL CONDUCTORS (AWG/kcmil)	SIZE OF GROUNDING ELECTRODE CONDUCTOR (AWG/kcmil)
COPPER	COPPER
2 OR SMALLER	8
1 OR 1/0	6
2/0 OR 3/0	4
OVER 3/0 THROUGH 350	2
OVER 350 THROUGH 600	1/0
OVER 600 THROUGH 1100	2/0
OVER 1100	3/0

NOTES:
1. WHERE MULTIPLE SETS OF SERVICE-ENTRANCE CONDUCTORS ARE USED AS PERMITTED IN 230.40, EXCEPTION NO. 2, THE EQUIVALENT SIZE OF THE LARGEST SERVICE-ENTRANCE CONDUCTOR SHALL BE DETERMINED BY THE LARGEST SUM OF THE AREAS OF THE CORRESPONDING CONDUCTORS OF EACH SET.

2. WHERE THERE ARE NO SERVICE-ENTRANCE CONDUCTORS, THE GROUNDING ELECTRODE CONDUCTOR SIZE SHALL BE DETERMINED BY THE EQUIVALENT SIZE OF THE LARGEST SERVICE-ENTRANCE CONDUCTOR REQUIRED FOR THE LOAD TO BE SERVED. THIS TABLE ALSO APPLIES TO THE DERIVED CONDUCTORS OF SEPARATELY DERIVED AC SYSTEMS.

DISCONNECT SWITCH SCHEDULE

NUMBER	SIZE	POLE
S1	30	2
S2	30	3
S3	60	2
S4	60	3
S5	100	3
S6	200	3
S7	400	3
S8	600	3

NOTES:
1. ALL DISCONNECT SWITCHES MUST BE LOCATED TO INSURE PROPER CLEARANCES AS PER N.E.C., LOCATION SHALL ALSO BE COORDINATED WITH MECHANICAL CONTRACTOR TO VERIFY THAT NO CONFLICT OCCURS WITH ANY MECHANICAL EQUIPMENT.
2. ALL DISCONNECT SWITCHES WILL BE LABELED BY ELECTRICAL CONTRACTOR AS PER REQUIREMENTS OF SPECIFICATIONS AND PLANS.
3. ALL FUSED DISCONNECT SWITCHES TO BE FUSED AS PER EQUIPMENT MANUFACTURER'S REQUIREMENTS.
4. THIS SCHEDULE IS STANDARD AND MAY INCLUDE ITEMS NOT REQUIRED FOR THIS PROJECT.

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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DRAWN BY: RTM
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JACKSON COUNTY AIRPORT TERMINAL AREA DEVELOPMENT
500 SKY HARBOR WAY, JEFFERSON GA.

GMC # AATL230012

POWER RISER DIAGRAM, DETAILS & SCHEDULES

E6.01

VMGM230043

PANELBOARD SCHEDULE: MP

LOCATION	ELEC/DATA R45		MAIN:	600A	MCB									
VOLTAGE	120/208		SYSTEM: 3ø, 4 WIRE											
TRIM	SURFACE		INTERRUPTING RATING:				20K	AIC						
CKT	LOAD	BREAKER		PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD	CKT
#	DESCRIPTION	P	TRIP	A	B	C	A	B	C	TRIP	P	DESCRIPTION	#
1	PANEL LA	3	225	10.8			3.6			30	3	HP-1	2
3					10.2			3.6					4
5						10.7			3.6				6
7	DWH-1	3	60	4.00			3.6			30	3	HP-2	8
9					4.00			3.6					10
11						4.00			3.6				12
13	DSOU-1	2	20	0.1			3.6			30	3	HP-3	14
15					0.1			3.6					16
17	BUSSED SPACE								3.6				18
19	BUSSED SPACE						3.6			30	3	HP-4	20
21	BUSSED SPACE							3.6					22
23	BUSSED SPACE								3.6				24
25	BUSSED SPACE						6.3			35	2	FCU-1	26
27	BUSSED SPACE							6.3					28
29	BUSSED SPACE								5.1	30	2	FCU-2	30
31	BUSSED SPACE						5.1						32
33	BUSSED SPACE							6.3		35	2	FCU-3	34
35	BUSSED SPACE								6.3				36
37	BUSSED SPACE						5.4			30	2	FCU-4	38
39	BUSSED SPACE							5.4					40
41	BUSSED SPACE											BUSSED SPACE	42

NOTES:
G - INDICATES CLASS A GFCI TYPE CIRCUIT BREAKER
C - INDICATES LOCK-ON CLIP FOR CIRCUIT BREAKER.
BOLD, *ITALIC* TEXT INDICATES NEW WORK.

14.9 14.3 14.7 31.2 32.4 25.8

TOTAL (kVA) øA 46.1 øB 46.7 øC 40.5 HIGH PHASE (AMPS) 389.2
TOTAL CONNECTED LOAD (kVA) 133.3 TOTAL LOAD (AMPS) 370.0

PANELBOARD SCHEDULE: LA

LOCATION	ELEC/DATA R113		MAIN:	225A	MCB									
VOLTAGE	120/208		SYSTEM: 3ø, 4 WIRE											
TRIM	SURFACE		INTERRUPTING RATING:				10K	AIC						
CKT	LOAD	BREAKER		PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD	CKT
#	DESCRIPTION	P	TRIP	A	B	C	A	B	C	TRIP	P	DESCRIPTION	#
1	RECEPTACLES	1	20	1.20			1.20			20	1	LIGHTING	2
3	RECEPTACLES	1	20		1.00			0.60		20	1	LIGHTING	4
5	RECEPTACLES	1	20			1.00			1.00	20	1	LIGHTING	6
7	RECEPTACLES	1	20	1.00			0.60			20	1	LIGHTING	8
9	RECEPTACLES	1	20		1.00			0.60		20	1	TRACK LIGHTING	10
11	RECEPTACLES	1	20			1.40			0.20	20	1	PARKING LIGHTING	12
13	COPIER RECEPTACLE	1	20	0.20			0.50			20	1	EXTERIOR LIGHTING	14
15	RECEPTACLES	1	20		0.80			0.40		20	1	EXTERIOR LIGHTING	16
17	RECEPTACLES	1	20			0.60			0.20	20	1	FIRE ALARM ANNUNCIATOR	18
19	RECEPTACLES	1	20	0.60			0.30			20	1	TV RECEPTACLE	20
21	RECEPTACLE	1	20		0.20			0.80		20	1	EXTERIOR RECEPTACLES	22
23	RECEPTACLES	1	20			1.00			1.00	20	1	RECEPTACLES	24
25	VM RECEPTACLES	1	20	0.40			0.20			20	1	PROJECTOR RECEPTACLE	26
27	VM RECEPTACLES	1	20		0.40			0.80		20	1	RECEPTACLES	28
29	RECEPTACLES	1	20			1.00			0.80	20	1	RECEPTACLES	30
31	RECEPTACLES	1	20	0.60			0.80			20	1	RECEPTACLES	32
33	TV RECEPTACLE	1	20		0.30			0.30		20	1	TV RECEPTACLE	34
35	SPARE	1	20						0.80	20	1	FLOORBOX RECEPTACLE	36
37	SPARE	1	20				0.80			20	1	FLOORBOX RECEPTACLE	38
39	RECEPTACLES	1	20		0.80			0.40		20	1	FRIDGE RECEPTACLE	40
41	RECEPTACLE	1	20			0.80			0.20	20	1	COFFEE MAKER RECEPTACLE	42
43	DISPOSAL RECEPTACLE	1	20	0.30			0.50			20	1	FACP	44
45	SPARE	1	20					0.40		20	1	DATA BACKBOARD 'TBB'	46
47	SPARE	1	20						0.20	20	1	DH RECEPTACLE	48
49	FLOOR BOX RECEPTACLE	1	20	0.80			0.50			20	1	ATTIC LIGHTING	50
51	FLOOR BOX RECEPTACLE	1	20		0.80			0.40		20	1	IRRIGATION CONTROL PANEL	52
53	ATTIC RECEPTACLE	1	20			0.20			0.20	20	1	ATTIC RECEPTACLE	54
55	SPARE	1	20				0.20			20	1	SIGN LIGHTING	56
57	SPARE	1	20							20	1	SPARE	58
59	SPARE	1	20							20	1	SPARE	60
61	SPARE	1	20							20	1	SPARE	62
63	BUSSED SPACE											BUSSED SPACE	64
65	BUSSED SPACE											BUSSED SPACE	66
67	BUSSED SPACE											BUSSED SPACE	68
69	BUSSED SPACE											BUSSED SPACE	70
71	BUSSED SPACE											BUSSED SPACE	72
73	BUSSED SPACE											BUSSED SPACE	74
75	BUSSED SPACE											BUSSED SPACE	76
77	BUSSED SPACE											BUSSED SPACE	78
79	BUSSED SPACE											BUSSED SPACE	80
81	BUSSED SPACE											BUSSED SPACE	82
83	BUSSED SPACE											BUSSED SPACE	84

NOTES:
G - INDICATES CLASS A GFCI TYPE CIRCUIT BREAKER
C - INDICATES LOCK-ON CLIP FOR CIRCUIT BREAKER.
BOLD, *ITALIC* TEXT INDICATES NEW WORK.

5.1 5.3 6.0 5.6 4.7 4.6

TOTAL (kVA) øA 10.7 øB 10.0 øC 10.6 HIGH PHASE (AMPS) 89.2
TOTAL CONNECTED LOAD (kVA) 31.3 TOTAL LOAD (AMPS) 86.9

PANELBOARD NOTES

1. PANELBOARDS SHALL BE INSTALLED IN SUCH A MANNER TO MAINTAIN ALL CLEARANCES IN ACCORDANCE WITH THE NEC.
2. ALL PANELBOARDS SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THAT LISTING.
3. PANELBOARDS SHALL BE FURNISHED COMPLETE WITH THE PROPERLY SIZED CAN, INTERNAL HARDWARE, COMPONENTS, SUPPORTING STRUCTURES, ETC., FOR A COMPLETE INSTALLATION.
4. FURNISH EACH PANELBOARD WITH A GROUND BAR BONDED TO THE PANEL ENCLOSURE.
5. EACH PANELBOARD SHALL HAVE A NAMEPLATE AS SHOWN IN DETAIL. ENGINEER WILL NOT ACCEPT JOB UNTIL THESE NAMEPLATES ARE PROVIDED.
6. ALL FLUSH MOUNTED PANELBOARDS SHALL BE PROVIDED WITH AT LEAST SIX 3/4" SPARE CONDUITS TO ABOVE ACCESSIBLE CEILING.
7. ALL PANELBOARDS SHALL BE CLEARLY MARKED TO COMPLY WITH NEC 110.16 & NEC110.24 REGARDING POTENTIAL HAZARDS OF ARC FLASH.
8. PROVIDE TYPED CIRCUIT DIRECTORY THAT INDICATES WHAT EACH CIRCUIT IS SERVING. LIGHTING AND RECEPTACLE CIRCUITS WILL INCLUDE THE ROOM NUMBERS THAT CIRCUIT IS SERVING.
9. PANELBOARDS SHALL BE FULLY RATED. (SERIES RATED PANELBOARDS WILL NOT BE ACCEPTED.)
10. PROVIDE THE PROPERLY SIZED CONDUCTOR TERMINATION POINTS OR LUGS (MULTIPLE LUGS WHEN PARALLEL FEEDERS ARE USED) FOR THE NUMBER AND SIZE CIRCUITS INDICATED.
11. THE TERMINATION POINT OF THE FEEDER SERVING EACH ASSEMBLY SHALL BE AT THE NEAREST POINT OF FEEDER ENTRY TO MINIMIZE CONDUCTOR FILL IN THE CAN. COORDINATE TOP/BOTTOM FED PANELBOARD PROVISIONS WITH EACH FEED INSTALLATION.
12. ALL PANELBOARDS SHALL BE DOOR-IN-DOOR CONSTRUCTION.
13. MANUFACTURER THAT WILL BE PROVIDING PANELBOARDS ON THIS PROJECT WILL NEED TO DO A BREAKER COORDINATION TO ENSURE DOWNSTREAM CIRCUIT BREAKERS TRIP BEFORE UPSTREAM BREAKERS. PROVIDE BREAKER COORDINATION STUDY IN THE SHOP DRAWINGS FOR ENGINEER REVIEW.

LUMINAIRE SCHEDULE

FIXTURE MARK	LAMPS NO	WATTS	TYPE	LUMENS	VOLTAGE	MOUNTING TYPE	MAKE	MODEL	DESCRIPTION
A	1	33	LED	4183	UNV	RC	METALUX	22ARS-L3C3-UNV-MP4	2X2 LED FIXTURE. ADJUSTABLE COLOR TEMPERATURE SET TO 3500K
AE	1	33	LED	4183	UNV	RC	METALUX	22ARS-L3C3-UNV-MP4-EL14W	2X2 LED FIXTURE. EQUIPPED WITH EMERGENCY BATTERY. ADJUSTABLE COLOR TEMPERATURE SET TO 3500K
B	1	27	LED	3488	UNV	RC	METALUX	22ARS-L3C3L-UNV	2X2 LED COORIDOR FIXTURE. ADJUSTABLE COLOR TEMPERATURE SET TO 3500K.
BE	1	27	LED	3488	UNV	RC	METALUX	22ARS-L3C3L-UNV-EL14W	2X2 LED COORIDOR FIXTURE. EQUIPPED WITH EMERGENCY BATTERY. ADJUSTABLE COLOR TEMPERATURE SET TO 3500K.
C	1	11	LED	1000	UNV	RC	HALO	PR6-FS12-D010	6" LED DOWNLIGHT. FIXTURE SHALL BE FIELD SELECTED TO OPERATE AT 1000 LUMENS AT A 3500K COLOR TEMPERATURE.
CE	1	11	LED	1000	UNV	RC	HALO	PR6-FS12-D010-REM7	6" LED DOWNLIGHT WITH EMERGENCY BATTERY. FIXTURE SHALL BE FIELD SELECTED TO OPERATE AT 1000 LUMENS AT A 3500K COLOR TEMPERATURE.
D	1	20	LED	1200	120V	RC	HALO	SMD6R-12-935-WH	6" LED DOWNLIGHT. FIXTURE SHALL BE WET LOCATION RATED
F	1	14	LED	1600	120V	TRACK FRAME	HALO	L-809-16-NF-935-MB	7 FIXTURE LED TRACK LIGHT. TRACK SHALL BE MOUNTED TO STEEL TRUSS AND MUST BE ABLE TO SUPPORT A VERTICAL INSTALLATION. ANGLE FIXTURES AS REQUIRED
G	1	23	LED	2800	UNV	SW	MCGRAW EDISON	ISS-SA1-A-740-U-SL4-BZ-CBP	LED EXTERIOR DOOR LIGHT EQUIPPED WITH EMERGENCY BATTERY. FIXTURE SHALL BE DARK SKIES APPROVED. COORDINATE FIXTURE COLOR WITH OWNER.
GE	1	23	LED	2800	UNV	SW	MCGRAW EDISON	ISS-SA1-A-740-U-SL4-BZ-CBP	LED EXTERIOR DOOR LIGHT EQUIPPED WITH EMERGENCY BATTERY. FIXTURE SHALL BE DARK SKIES APPROVED. COORDINATE FIXTURE COLOR WITH OWNER.
H	1	60	LED	2000	UNV	RW	CORELITE	SQW-F-100U-100D-835-1-D-UNV-STD-W-WM-4	4' LED WALL FIXTURE MOUNTED AT 10'. FIXTURE UP AND DOWN LIGHT SHALL BE CONTROLLED BY OCCUPANCY SENSOR. A SECONDARY PHOTOELECTRIC DAYLIGHT SENSOR SHALL CONTROL FIXTURE DOWNLIGHT TO OPERATE DURING TIMES OF LOW DAYLIGHT.
HE	1	60	LED	2000	UNV	RW	CORELITE	SQW-F-100U-100D-835-1-D-UNV-STD-BSL6-W-WM-4	4' LED WALL FIXTURE MOUNTED AT 10'. WITH EMERGENCY BATTERY
J	1	40	LED	2830	120V	SC	METALUX	4SLSTP2040DD-120V	4' LED STRIP FIXTURE MOUNTED TO CEILING
JE	1	40	LED	2830	120V	SC	METALUX	4SLSTP2040DD-120V-EBLED14W	4' LED STRIP FIXTURE MOUNTED TO CEILING EQUIPPED WITH EMERGENCY BATTERY.
K	1	4.9 W/FT	LED	501 1M/FT	UNV	RC	AXIS LIGHTING	CLKLED-500-80-30-50-4-W-UNV-DP-1-DS	12' LED LINEAR RC FIXTURE.
L	1	40	LED	2830	120V	SC	METALUX	4SLSTP2040DD-120V-AYC-CHAIN/SET	4' LED STRIP FIXTURE MOUNTED TO ATTIC SPACE WITH CHAIN/SET AS REQUIRED.
LE	1	40	LED	2830	120V	SC	METALUX	4SLSTP2040DD-120V-EBLED14W-AYC-CHAIN/SET	4' LED STRIP FIXTURE MOUNTED TO ATTIC SPACE WITH CHAIN/SET AS REQUIRED. FIXTURE EQUIPPED WITH EMERGENCY BATTERY.
M	1	4.7 W/FT	LED	500 1M/FT	UNV	SW	AXIS LIGHTING	PS-AR-R-LS-500-80-30-3-W-UNV-DP-1-MT-RWHD	MIRROR LIGHT FOR PILOT RESTROOM.
N	1	17.9	LED	2456	120V	SW	BEGA	77 552 K4 BZ	BUILDING EXTERIOR SIGN LIGHT. ELECTRICAL CONTRACTOR SHALL COORDINATE FIXTURE INSTALLATION HEIGHT TO BEST ILLUMINATE SIGN. COLOR TEMPERATURE SHALL BE 4000K.FIXTURE COLOR SHALL BE BRONZE
OA	1	63	LED	9000	UNV	P	MCGRAW EDISON	GALN-SA2-B-740-U-SL4-BZ/RSS-5-M-20-S-F-A-1-X	LED PARKING LOT POLE FIXTURE. FIXTURE SHALL BE CONNECTED TO BUILDING TIMECLOCK. FIXTURE SHALL BE DARK SKIES APPROVED. COORDINATE FIXTURE FINISH
X	1	3.1	LED	63	UNV	SW/SC	SURE-LITES	SCX-7-0-R	LED EXIT SIGN. FIXTURE SHALL CONTAIN EMERGENCY BATTERY.

MOUNTING LEGEND

AG - AT GRADE
BAM - BRACKET ABOVE
BW - BRACKET WALL
P - POLE MOUNTED
PT - POST TOP
RC - RECESSED CEILING
RW - RECESSED WALL
S - SUSPENDED
SC - SURFACE CEILING
SW - SURFACE WALL
UNV - UNIVERSAL

LUMINAIRE SCHEDULE NOTES:

1. EQUIVALENT PRODUCTS WILL BE REVIEWED PROVIDED THE REQUIREMENTS FOR PRIOR APPROVAL OUTLINED IN THE SPECIFICATIONS ARE MET AND MUST MEET OR EXCEED QUALITY, FUNCTIONALITY, SHAPE, LUMEN OUTPUT, ETC OF PRODUCT LISTED BY CATALOG NUMBER.
2. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL FIXTURE MOUNTING PROVISIONS WITH THE ASSOCIATED CEILING TYPE(S) BEFORE ORDERING FIXTURES.
3. IN ORDER TO ENSURE PROPER COORDINATION AND LONG TERM SUPPORT FOR THE OWNER, ALL LIGHTING FIXTURES WILL BE PURCHASED THROUGH A MANUFACTURER'S REPRESENTATIVE AND DISTRIBUTORS LOCATED WITHIN ONE HUNDRED AND FIFTY (150)MILES OF THE PROJECT SITE. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DELAYS CAUSED BY NON-COMPLIANCE WITH THIS REQUIREMENT.
4. ALL EMERGENCY AND EXIT LIGHTS WILL BE CONNECTED TO UNSWITCHED HOT LEG SO THAT BATTERY OPERATES UPON POWER FAILURE.
5. SOME LISTED CATALOG NUMBERS MAY INCLUDE MODIFICATIONS OF A MANUFACTURER'S STANDARD PRODUCT.
6. ANY AND ALL DIMENSIONAL DIFFERENCES MUST BE COORDINATED PRIOR TO RELEASE OF ORDER.
7. CBA = COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS.
8. XX = TO BE SELECTED BY ARCHITECT.
9. PROVIDE COMPLETE DMX CONTROLLER AND CABLING FOR 'RGB' FIXTURE AS REQUIRED FOR A FULLY FUNCTIONAL PROPERLY OPERATING SYSTEM.

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

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JACKSON COUNTY AIRPORT TERMINAL AREA DEVELOPMENT
500 SKY HARBOR WAY, JEFFERSON GA

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PANEL SCHEDULES

E6.02

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