

# ADDITION TO DESHLER HIGH SCHOOL

TUSCUMBIA CITY SCHOOLS BOARD OF EDUCATION / TUSCUMBIA, AL

HYDE ENGINEERING

FINAL SUBMITTAL

GOODWYN MILLS & CAWOOD, LLC
TUCKER-JONES ENGINEERS ASSOC., P.C.
MW/ DAVIS DUMAS & ASSOCIATES

ARCHITECTURE, INTERIORS, CIVIL, LANDSCAPE

STRUCTURAL ENGINEERING

MECHANICAL, PLUMBING, AND FIRE PROTECTION ENGINEERING

ELECTRICAL ENGINEERING

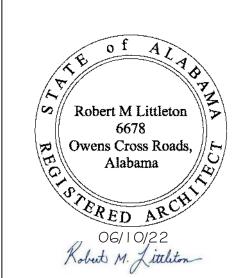
117 Jefferson Street Huntsville, AL 35801 T 256.539.3431

FINAL SUBMITTAL 06/10/2022

PRAWN BY: Author

303 NORTH COMMONS STREET EA:
TUSCUMBIA, AL. 35674

GMC # AHUN210012

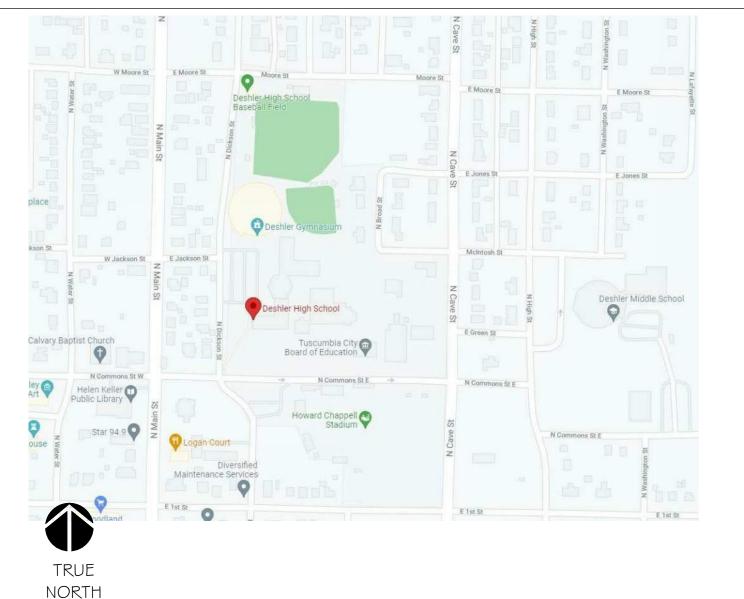


TITLE SHEET

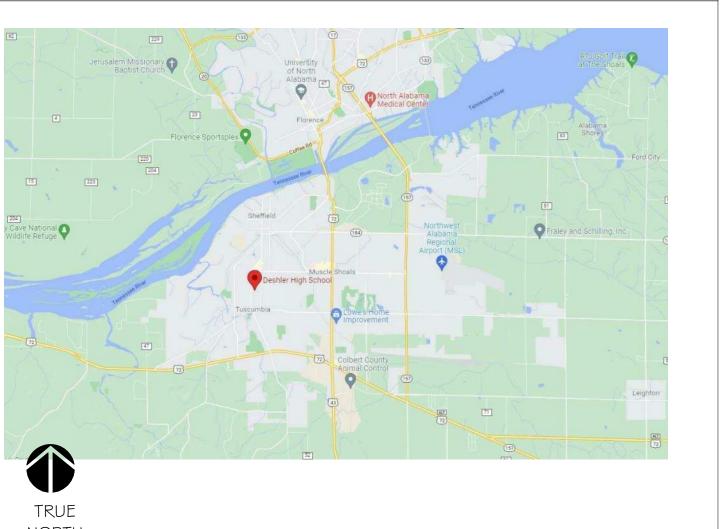


		IATIONS	REOID
ACCESSIBLE AMERICAN CONCRETE INSTITUTE	EA EACH EF EACH FACE	KIP	REQ'D RET RETAINING
CT ACOUSTICAL CEILING TILE  DD ADDENDUM	EIFS EXTERIOR INSULATION FINISH SYSTEM EJ EXPANSION JOINT	KJ KEY JOINT   KSI KEY JOINT   KSI KEY JOINT   KSI	REV REVISION (S), REVISED  RH RIGHT HAND
FF	ELEV	LAM LAMINATE (D)	RJ
UM ALUMINUM	ENGR ENGINEER	LF LINEAR FOOT	RO ROUGH OPENING
PPROX	EOP EDGE OF PAVEMENT EOS EDGE OF SLAB	L LENGTH, ANGLE LAB LABORATORY	ROW
DJ ADJACENT	EQ	LAV LAVATORY	SC SEALED CONCRETE
B BACK-TO-BACK	EWC ELECTRIC WATER COOLER	LL LIVE LOAD	SCHED
D BASE OF CURB D BOARD	EXH EXHAUST EXIST EXISTING	LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL	SD STORM DRAIN SECT SECTION
DG BUILDING	EXP EXPOSED EXPANSION	LP LOW POINT	SF STOREFRONT SIM SIM SIMILAR
$oxed{KG}$	EXT EXTERIOR	LT	SPECSPECIFICATION (S)
OT	FBO FURNISHED BY OTHERS	MATL MATERIAL	SQ
SMT BASEMENT	FD_ FLOOR DRAIN FEC FIRE EXTINGUISHER & CABINET	MAX MAXIMUM MC MISCELLANEOUS CHANNEL	SST STAINLESS STEEL STOREST STAINLESS STEEL
UR	FFE FINISH FLOOR ELEVATION	MECH MECHANICAL	STL
W BETWEEN	FFW FINISH FACE OF WALL FHC FIRE HOSE & CABINET	MEZZ MEZZANINE   MANUF MANUFACTURE (R)	STOR
AB	F/F	MH	SY
B CATCH BASIN C CENTER TO CENTER	FLG	MO	TELE TELEPHONE TERM TERMINATION
D CORE DECK	FND	MULL MULLION	T#G
CUBIC FOOT CONTRACTOR FURNISHED,	FO	NIC NOT IN CONTRACT NO	TH
CONTRACTOR INSTALLED  CAST IRON	FOB FACE OF BRICK	NOM NOMINAL	TO TOP OF CURB
IP CAST IRON PIPE	FOC FACE OF CONCRETE FOF FOR FACE OF FINISH	NTS	TOGB
J CONSTRUCTION OR CONTROL JOINT LG CEILING	FOM FACE OF MASONRY FOS FACE OF STUD	O/H	TOF TOP OF FOOTING
LO	FR FRAME (ED), (ING)	OCC	TOS. TOP OF SLAB / TOP OF STEEL TOW TOP OF WALL
MP	FRT	OD OUTSIDE DIAMETER OFCI OWNER FURNISHED,	TYP
MU CONCRETE MASONRY UNIT	FTG	OH OPPOSITE HAND	TZ TERRAZZO
OL	GA GALVANIZED	OPG OPENING	UNO UNLESS NOTED OTHERWISE
ONN	GALV GALVANIZED  GB_ GRAB BAR	OPP OPPOSITE	VB VINYL BASE
ONST L. CONSTRUCTION ONT L. L. L. L. L. L. L. CONTINUOUS OR CONTINUE	GHM GALVANIZED HOLLOW METAL GI GALVANIZED IRON	PJ PRECAST JOINT PL PROPERTY LINE, PLATE	VCT VINYL COMPOSITION TILE VERT VERTICAL
OORD	GWB GYPSUM WALL BOARD	PLAM	VWC
SMU	GYP	PNT PAINT (ED)  PREFAB PREFABRICATED	W
T	H HEIGHT HC HANDICAP	PREFIN PREFINISHED	WB
	HM HOLLOW METAL	PSF POUNDS PER SQUARE FOOT	WC
BL	HOD HIGHEST OPERABLE DEVICE HORIZ HORIZONTAL	PSI POUNDS PER SQUARE INCH PT POINT / PRESSURE TREATED /	WH
EM DEMOLISH OR DEMOLITION  ET DETAIL	HP	POINT OF TANGENCY	WP
H DOUBLE HUNG	HT	PVC POLYVINYL CHLORIDE PVMT PAVEMENT	WT
A	HVAC HEATING / VENTILATION / AIR CONDITIONING	PWD	WWF
M DIMENSION	HW	QT QUARRY TILE	W/O
B DOWNSPOUT	ID		
NG	IE INVERT ELEVATION  IJ ISOLATION JOINT	RA	
	IN INCH / INCHES	RB RUBBER BASE RCP REFLECTED CEILING PLAN	
		RD	
	JAN JANITOR'S CLOSET  JG JOIST GIRDER	REBAR	
	JT JOINT	REINF REINFORCE (D), (ING)	
	ANNOTATIO	ON SYMBOLS	
OOM MANAS	 	SPECIALTY EQUIPMENT TAG:	CASEWORK TAC
OOM NAME ROOM REFERENCE SYMBOL	BY OTHERS	TAO I	# DEPTH #
COLUMN LINES:	REVISION SYMBOL:	SCHEDULE PLANKEYNOTE TAC.	WIDTH #
		PLAN KEYNOTE TAG:	
(2) CONSECUTIVE NUMBERS ARE	USED TO INDICATE SCOPE OF	A NOTE NUMBER A	
USED FOR COLUMN LINES  RUNNING NORTH \$ SOUTH			
USED FOR COLUMN LINES RUNNING NORTH \$ SOUTH	USED TO INDICATE SCOPE OF CURRENT REVISION	A	NODTH ADDOLL
USED FOR COLUMN LINES	USED TO INDICATE SCOPE OF	A SEE PLAN KEYNOTE SCHEDULE  BUILDING SECTION SYMBOL: SECTION   ON SHEET A   O	NORTH ARROW:  ARCHITECTURAL ORIENTATION
USED FOR COLUMN LINES RUNNING NORTH & SOUTH  - + - (A)	USED TO INDICATE SCOPE OF CURRENT REVISION  DOOR SYMBOL:	A NOTE NUMBER A SEE PLAN KEYNOTE SCHEDULE  BUILDING SECTION SYMBOL:	
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## VICINITY MAP



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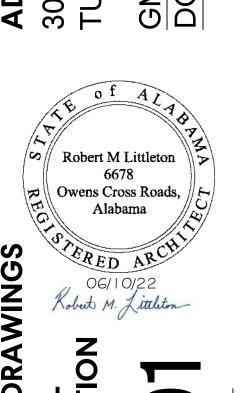
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53.03	ROOF SECTIONS	06/10/2022

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5.0 MECH	ANICAL		
MO.01	HVAC SCHEDULES, NOTES, AND LEGENDS	06/10/2022	
M1.01	HVAC FLOOR PLAN	06/10/2022	
M2.01	HVAC DETAILS	06/10/2022	
M3.01	HVAC CONTROLS	06/10/2022	

M2.01	HVAC DETAILS	06/10/2022
M3.01	HVAC CONTROLS	06/10/2022
6.0 PLUN	MBING	
PO.01	SCHEDULES, LEGENDS, DETAILS \$ NOTES	06/10/2022

7.0 ELECT	RICAL	
E00 I	LEGEND AND NOTES	06/10/2022
E002	SCHEDULES AND DETAILS	06/10/2022
E100	SITE PLAN - ELECTRICAL	06/10/2022
EIOI	LEVEL I - LIGHTING	06/10/2022
E102	LEVEL 2 - LIGHTING	06/10/2022
E201	LEVEL I - POWER AND AUXILIARY	06/10/2022
E202	LEVEL 2 - POWER AND AUXILIARY	06/10/2022
E301	LEVEL I - DATA	06/10/2022
66		



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.

PROVIDED TO PARTIES TO THE CONTRACT, INCLUDING ASSOCIATED SUB-CONTRACTORS, OR SUB-SUB-CONTRACTORS,

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.

I.OG. 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.

I.IO. 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.

I.II. 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

1.14. CONSTRUCTION LOADS: THE GENERAL CONTRACTOR SHALL NEVER LOAD NEW OR EXISTING

EGRESS AT ALL TIMES DURING CONSTRUCTION, WITHOUT EXCEPTION.

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.

I.IG. 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.

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.

### 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.

## 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

## 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 1/4" PER LINEAR FOOT. PROVIDE TAPERED INSULATION, CRICKETS AS NECESSARY TO ASSURE THE MINIMUM SLOPE IS

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

FIRE 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. LABELS SHALL BE RAISED OR EMBOSSED ON METAL LABELS OR STAMPED INTO METAL FRAMES. PLASTIC OR PAPER LABELS ARE UNACCEPTABLE. THE LABEL MUST BE VISIBLE AND LEGIBLE AT ALL TIMES AND SHALL NOT BE PAINTED. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL REQUIRE PAINTER TO REIMBURSE OWNER FOR COSTS OF RE-LABELING RATED DOORS AND FRAMES. 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

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.

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.

8.04. 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 (TCA) 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

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

(C) COORDINATE WITH OTHER TRADES AND OWNERS' SCHEDULED EQUIPMENT VENDORS FOR SUPPORT REQUIREMENTS OF WALL- MOUNTED AND SUSPENDED ITEMS. SIZE STUD GAUGE AND SPACING 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) FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIERS SHALL BE PERMANENTLY LABELED IN RED STENCILED LETTERING ABOVE FINISHED CEILING AT 1'-0" ABOVE CEILING AND/OR IN ACCORDANCE WITH LOCAL JURISDICTION.

## 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 O I 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

II.OI. 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 O I 1000 -"SUMMARY": PARA. "I.07 WORK UNDER SEPARATE CONTRACTS".

I I.O2. 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.

I I.O3. 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.

## DIVISION 12 - FURNISHINGS

12.01. LOCKABLE CASEWORK: ALL CABINETS TO BE LOCKABLE WITH THE EXCEPTION OF UPPER \$ LOWER TYPICAL CLASSROOM & BREAK ROOM CABINETS. ALL TALL CABINETS & FILE DRAWERS TO BE LOCKABLE.

12.02. 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.

12.03. 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

13.01. RF (RADIO-FREQUENCY) SHIELDED ENCLOSURES: WHEN MRI ROOM RF ENCLOSURE/S ARE APPLICABLE TO THE PROJECT, OWNER WILL AWARD AND WILL ASSIGN TO THE GENERAL CONTRACTOR THE CONTRACT FOR THE RF SHIELDED FNCLOSURE/S 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.

13.02. LEAD SHIELDING REQUIREMENTS: SEE SPECIFCATION SECTION 134900 "RADIATION PROTECTION" FOR LEAD SHIELDING REQUIREMENTS AT X-RAY DIAGNOSTIC ROOMS.

(A) ALL RADIATION PROTECTION WORK MUST BE INSTALLED IN STRICT CONFORMANCE WITH PHYSICIST'S REPORTS PROVIDED BY THE OWNER. IF AT THE TIME OF BIDDING SAID REPORT/S ARE NOT AVAILABLE. CONTRACTOR SHALL ASSUME THAT ALL LEAD SHIELDING WILL BE THE EQUIVALENT OF 1/16" (15MM) THICK FOR BIDDING PURPOSES. (B) UPON COMPLETION OF RADIATION PROTECTION WORK. ALL X-RAY DIAGNOSTIC ROOMS WILL BE SUBJECT TO AN OWNER-COMMISSIONED SHIELDING INTEGRITY SURVEY TO CONFIRM THAT THE SHIELDING WAS INSTALLED ACCORDING TO PLAN AND THAT X-RAYS ARE BEING CONTAINED WITHIN THE ROOM BY THE SHIELDING. (C) SHOULD SHIELDING FAILURES OCCUR DURING THE INTEGRITY SURVEY. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY BREACHES IN THE LEAD SHIELDING SYSTEM. ANY REPAIRS TO WALL, FLOOR, OR CEILING FINISHES AS

MAY BE REQUIRED BY THIS REMEDIAL WORK SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST.

## 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

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.

## 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.

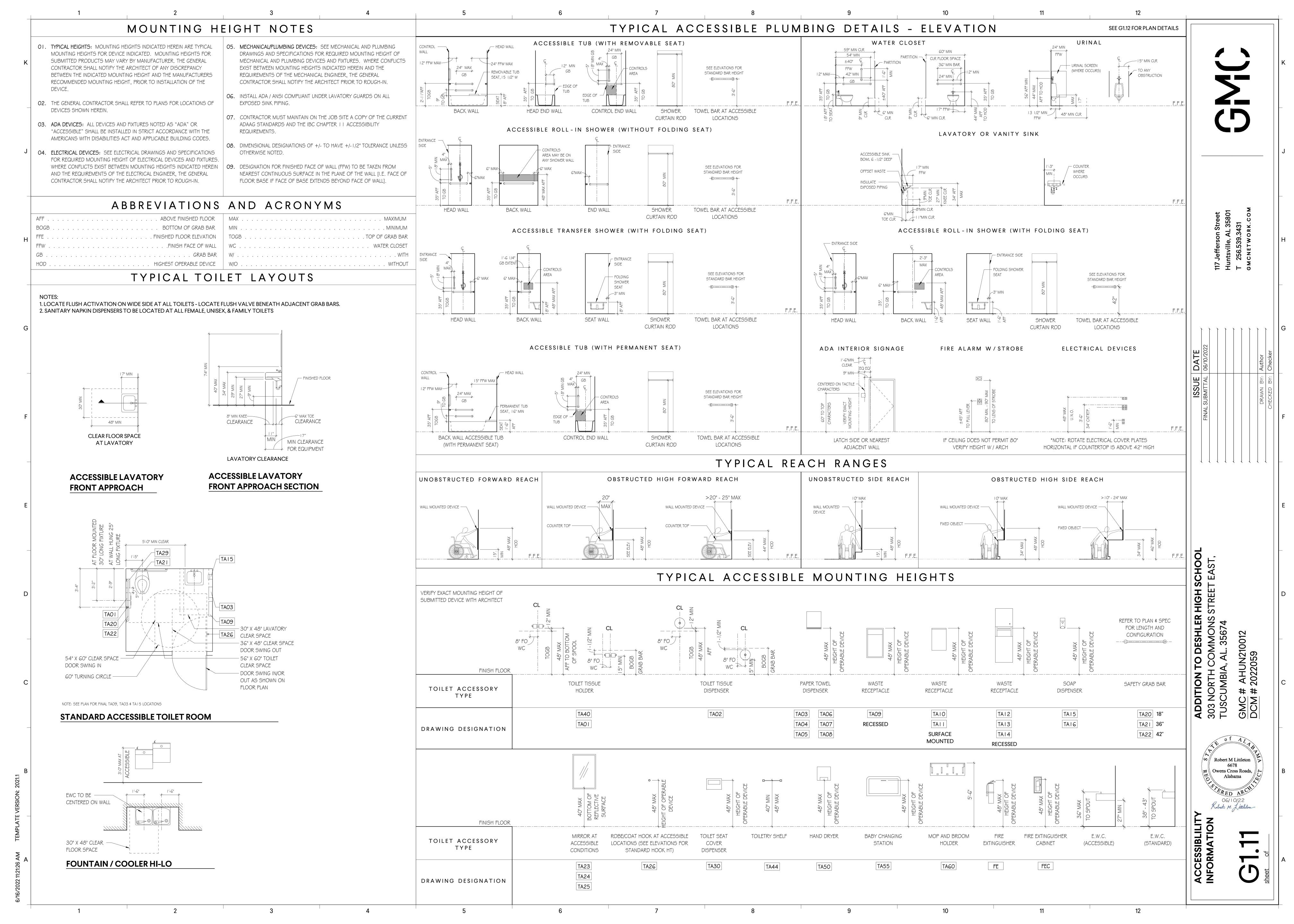
26.02. CENTER CEILING DEVICES: CENTER LIGHTS, SUPPLY DIFFUSERS, RETURN GRILLES, SPRINKLER HEADS, ETC. IN CEILING PANELS IF NOT OTHERWISE INDICATED.

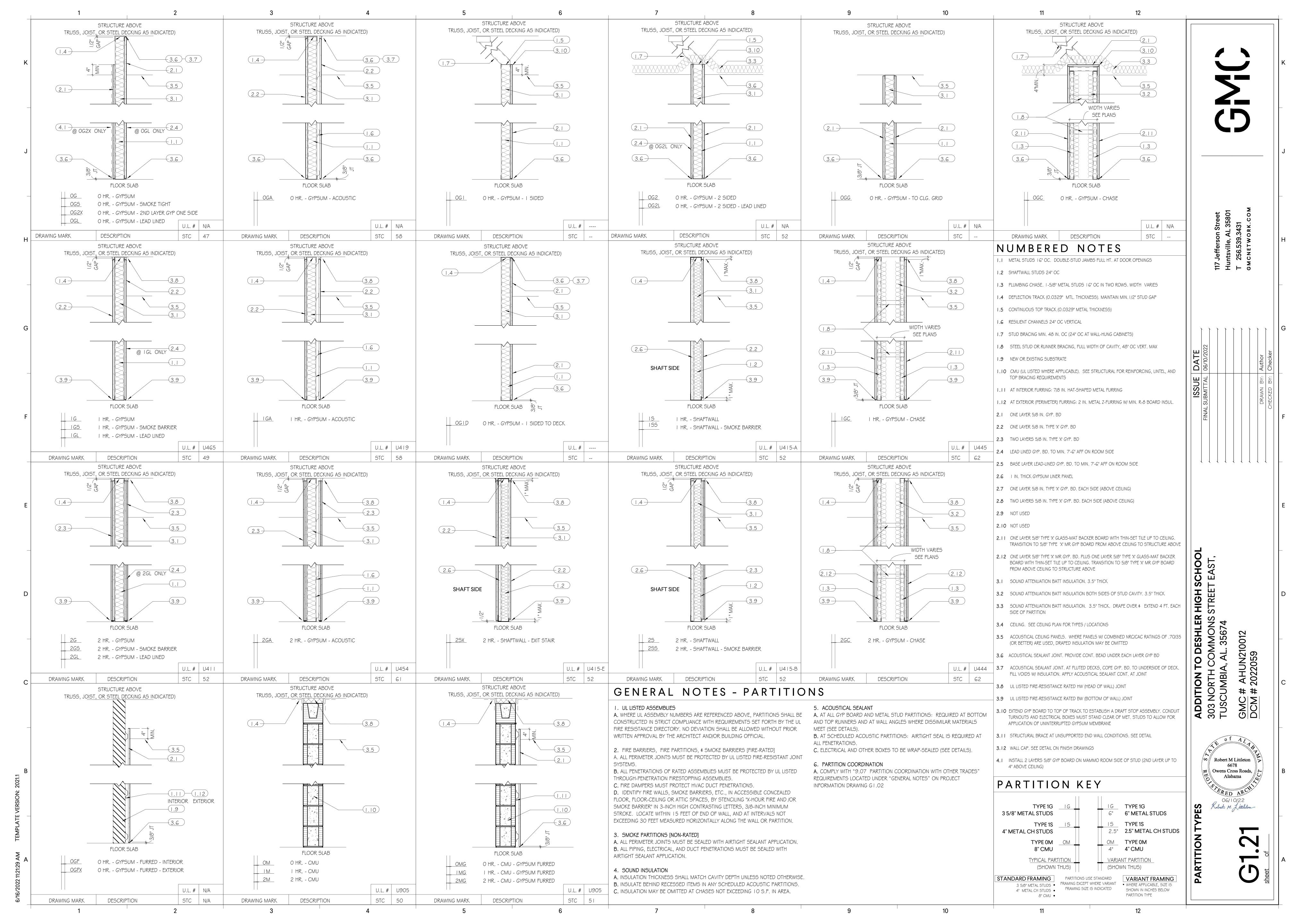
26.03. ELECTRICAL BOXES IN RATED PARTITIONS: WHERE ELECTRICAL BOXED ARE INSTALLED IN FIRE-RATED METAL STUD PARTITIONS, INSTALL BOXES NO LARGER THAN SIXTEEN SQUARE INCHES (16 SI) IN AREA, AND DO NOT EXCEED ONE-HUNDRED SQUARE INCHES (100 SI) OF METALLIC BOX PER ONE-HUNDRED SQUARE FEET (100 SF) OF FIRE-RATED 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.

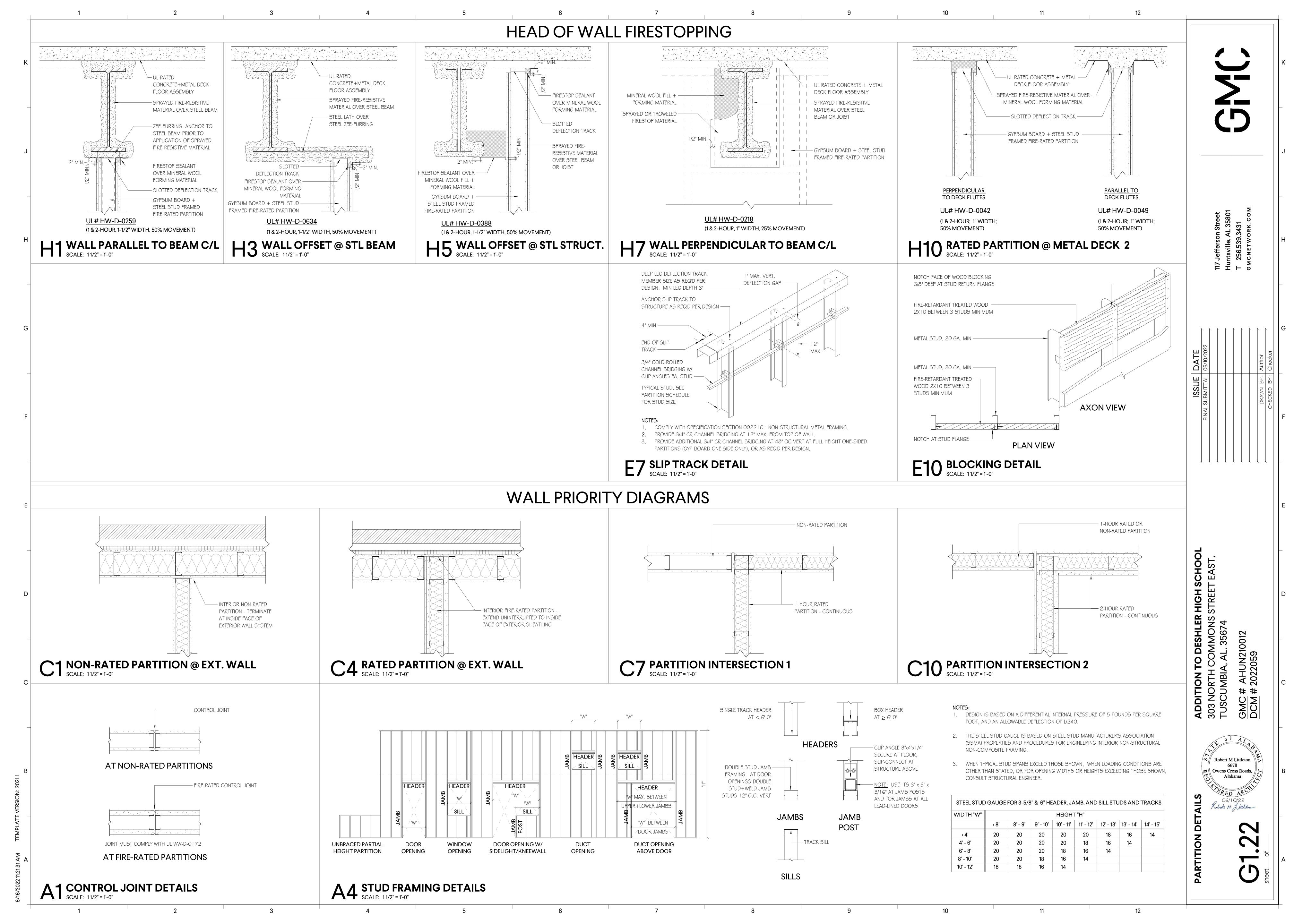
26.04. ELECTRICAL DEVICES IN OR NEAR MILLWORK: CAREFULLY LOCATE ELECTRICAL BOXES FOR DEVICES IN OR NEAR MILLWORK AND/OR CASEWORK TO ASSURE COORDINATED INSTALLATION. LOCATE ELECTRICAL DEVICES ABOVE COUNTERTOP SUCH THAT THE DEVICE COVER PLATE WILL NOT INTERFERE WITH SCHEDULED BACKSPLASH OR SIDESPLASH.

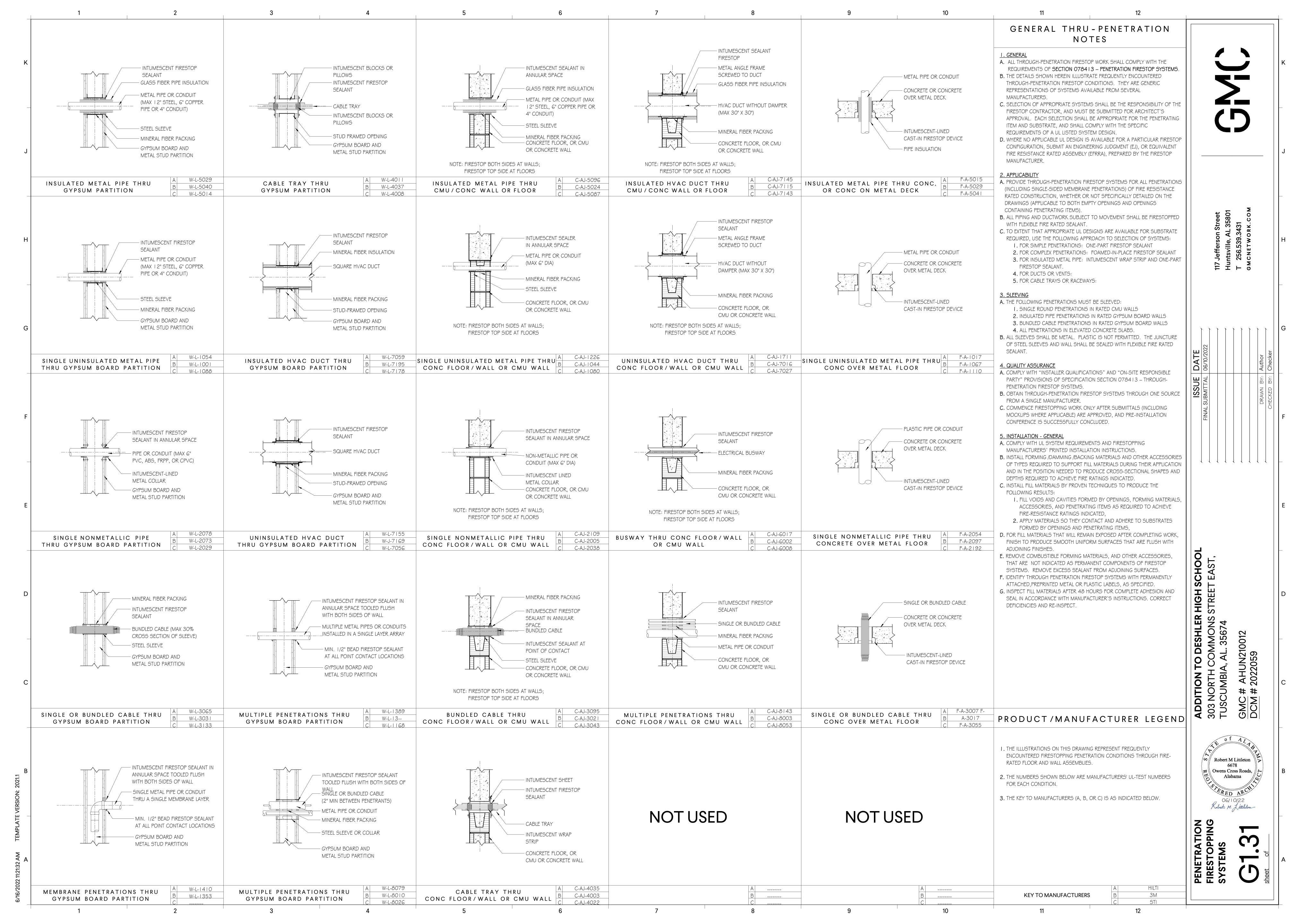
S HIGH STREE ESHLER AMONS (35674 בֿ ≥ ##

06/10/22









FIRE RESISTANCE - WALLS & PARTITIONS IBC CH IBC TBL. OPENING RESISTANCE PROVIDED WALLS AND PARTITIONS 715.4 PROTECTION RATING ACHIEVED BY SHAFT ENCLOSURES \* LESS THAN 4 STORIES TBD UL# TBD UL# \* 4 OR MORE STORIES TBD FIRE WALLS TBD TBD UL# TBD HORIZONTAL EXITS TBD UL# EXIT PASSAGEWAYS TBD TBD UL# TBD UL# SMOKE BARRIERS I HR TBD STORM SHELTER WALLS \* CAST IN PLACE CONCRETE PER IBC CH 7 TABLE TBD TBD UL# I HR 720. I (2), RESISTANCE BY MATERIAL THICKNESS ACCESSORY / INCIDENTAL USE \* FURNACE RM W/ 400,000 BTU/HR INPUT EQMT 1 HR TBD TBD UL# \* BOILER RM W/ 15 PSI \$ 10 HP EQMT TBD TBD UL# I HR IBC CH 3 \* REFRIGERANT MACHINERY RM TBD UL# TBD I HR TBD UL# \* HYDROGEN CUTOFF RM I HR TBD \* INCINERATOR RM 2 HR TBD UL# TBD TBD UL# \* PAINT SHOP TBD IBC CH 4 TBD UL# \* LABS \$ VOCATIONAL SHOPS I HR TBD TB<u>D</u> TBD UL# \* WASTE & LINEN RMS > 100 SF I HR \* STATIONARY STORAGE BATTERY SYSTEMS TBD UL# TBD I HR \* FIRE PUMP RM I HR TBD TBD UL# FIRE RESISTANCE-HORIZONTAL ASSEMBLIES IBC CH 5

1454110 05 500500					
FLOOR/CEILING - STORM SHELTER	2 HR	2 HR	UL#D916		
HORIZONTAL ASSEMBLIES	IBC	RATING	ACHIEVED B		
HODIZONITAL AGGENABLIEG	IDC	RESISTANCE PROVIDED			

#### MEANS OF EGRESS

EGRESS WIDTH

ACHIEVED BY

UL#

UL#

UL#

UL#

UL#

UL#

UL#

	MAXIMUM ALLOWABLE	[EDUCATIONAL]		
	TRAVEL DISTANCE TO EXIT	[200FT WITHOUT SPRINKLE	R SYSTEM]	
	COMMON PATH OF TRAVEL	30 FT		
	DEAD END LENGTH	20 FT		
	EGRESS OCCUPANTS	TOTAL:		
	(DESIGN LOAD)	CALCULATION VALUES	OCCUPANCY COUNT	
		EDUCATIONAL : CALCULATION (EXISTING)	651	
		VOCATIONAL : CALCULATION (EXISTING)	53	
		BUSINESS : CALCULATION (EXISTING)	20	
		BUSINESS : CALCULATION (NEW)	15	
		STORAGE : CALCULATION (EXISTING)	2	
		STORAGE : CALCULATION (NEW)	2	
_		NEW ADDITION LOAD = 37		

## AGGREGATE OCCUPANT LOAD = 743 OCCUPANTS

| REQUIRED: 0.2" PER OCCUPANT X | PROVIDED: 480"

STAIRWAY WIDTH	REQUIRED: 0.3" PER OCCUPANT X	PROVIDED: 316"
	743 OCCUPANTS = 223"	

743 OCCUPANTS = 149"

#### IBC CH 6 PLUMBING FIXTURE TABULATIONS

			AC	TUAL L	OAD C	ALCULA	TIONS	)		
	OCCUPANT		WC	I		LAV		BATH/	DRINKING	
OCCUPANCY	LOAD (ACTUAL)	M	F	USX	М	F	USX	SHOWER	FOUNTAIN	SINK
<u>E</u> EDUCATIONAL (20 NET)	65 I 325.5M 325.5F	6.51	6.51	-	6.51	6.51	-	-	6.51	1
<u>V</u> VOCATIONAL (50 NET)	53 26.5M 26.5F	0.53	0.53	-	0.53	0.53	-	-	0.53	
<u>B</u> BUSINESS (100 GROSS)	35 17.5M 17.5F	0.7	0.7	-	0.7	0.7	-	-	0.35	
<u>5</u> STOR./MECH/ELEC. (300 GROSS)	4 2M 2F	0.02	0.02	-	0.02	0.02	-	-	0.004	
				-			-	-		1
				-			-	-		
				-			-	-		
				-			-	-		ı
REQUIRED PROVIDED		7.76	7.76	-	7.76	7.76	-	-	7.8	
PROVIDED		11.0	9.0	3.0	9.0	9.0	_	_	8.0	3

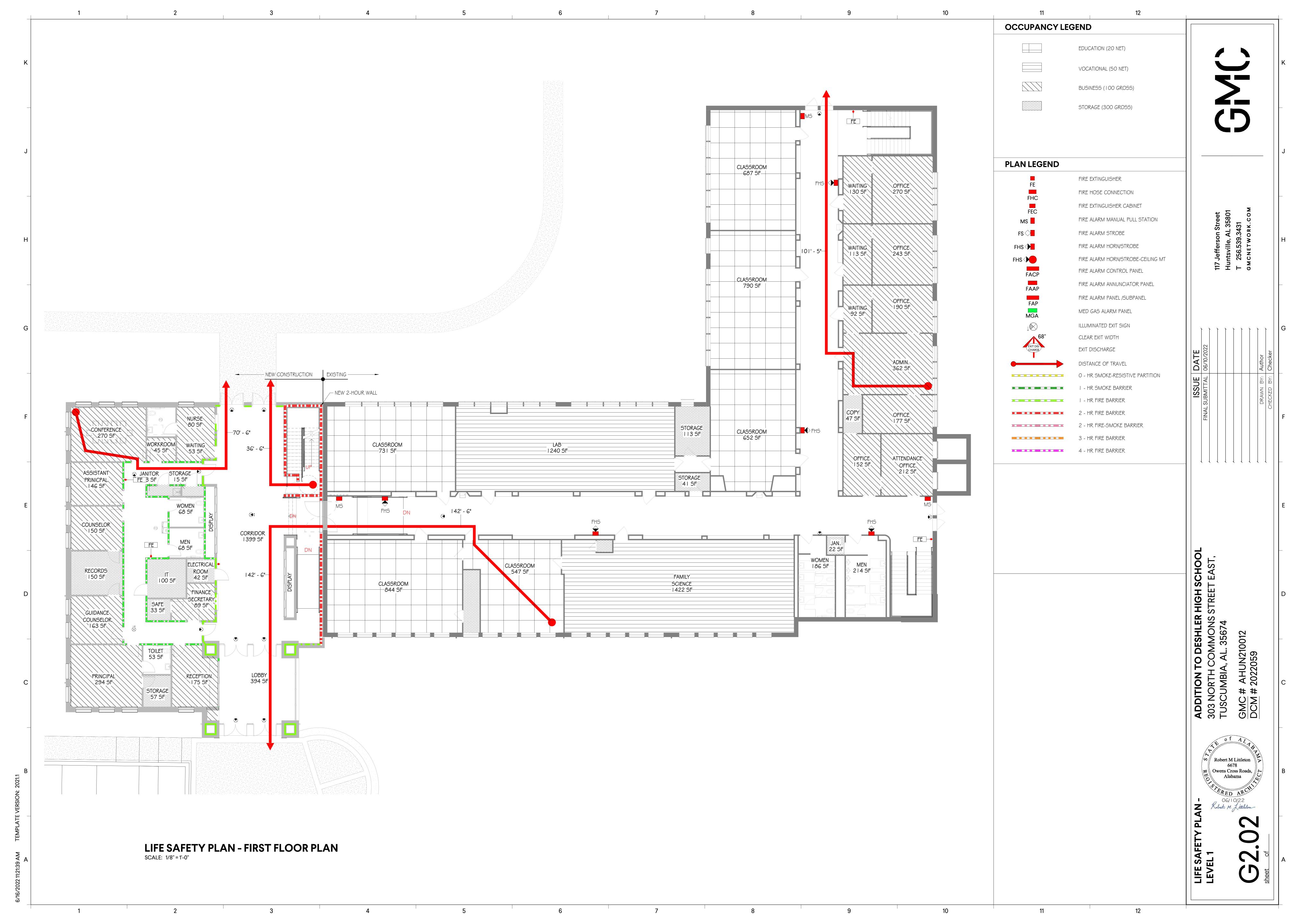
\*NOTE\* PURSUANT TO ITEMS 3, 4, AND 5 OF ALABAMA BUILDING COMMISSION BULLETIN ISSUED JANUARY 2008, "THE BUILDING COMMISSION WILL PERMIT THE ARCHITECT TO CALCULATE THE ACTUAL OCCUPANT LOAD BASED ON THE PRIMARY DAY-TO-DAY FUNCTION OF THE SPACE FOR DETERMINING MINIMUM PLUMBING FIXTURES AND OTHER CODE REQUIREMENTS. GENERALLY, CAFETERIAS AND GYMNASIUMS SHALL BE BASED ON TABLE 1004.1.1, "ASSEMBLY WITHOUT FIXED SEATS, UNCONCENTRATED".

IF THE ARCHITECT ELECTS TO USE THE EXCEPTION, THE ARCHITECT MUST SHOW BOTH THE DESIGN OCCUPANT LOAD AND THE ACTUAL OCCUPANT LOAD ON THE LIFE SAFETY PLAN SUBMITTED TO THE BUILDING COMMISSION FOR REVIEW.

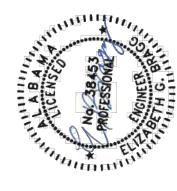
FOR MULTI-USE SPACES UTILIZED BY THE PUBLIC, THE ARCHITECT MUST USE REASONABLE JUDGMENT IN LOCATING RESTROOM FACILITIES SO THAT THEY ARE ADEQUATE IN NUMBER AND READILY ACCESSIBLE DURING OUTSIDE ACTIVITIES.

/∞ // Robert M Littleton \\ → 6678 06/10/22

RESISTANCE RATED ENCLOSURE REQUIREMENTS SHALL NOT APPLY







## Best Management Practices Notes

- 1. ALL BEST MANAGEMENT PRACTICES SHALL BE DEVELOPED AND MAINTAINED BY THE CONTRACTOR ACCORDING TO THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, (MARCH 2009 ed. OR MOST CURRENT) BY THE ALABAMA SOIL AND WATER CONSERVATION COMMITTEE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND FAMILIARIZING HIMSELF WITH THE HANDBOOK AND THE STANDARDS AND MATERIALS CONTAINED THEREIN. THE HANDBOOK MAY BE PURCHASED FROM THE ALABAMA CHAPTER OF THE SOIL AND WATER CONSERVATION SOCIETY THROUGH THE COUNTY SOIL AND WATER CONSERVATION FOUNDATION. ORDER FORMS ARE AVAILABLE ON THE HOME PAGES OF THE ALABAMA CHAPTER OF THE SOIL AND WATER CONSERVATION SOCIETY (http://www.alchapterswcs.aces.edu) AND THE ALABAMA SOIL AND WATER CONSERVATION COMMITTEE (https://alconservationdistricts.gov/) AND AT 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 THIRTEEN (13) DAYS OF THE COMPLETION OF SUCH GRADING OR THE COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE BE PROVIDED WITH GROUND 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
- 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. DISTURBED AREA = 0.80+/- Acres
- 8. APPROXIMATE START DATE: JUNE 2022 APPROXIMATE END DATE: <u>JUNE 2023</u>
- 9. EXISTING SITE CONDITIONS: EXISTING GREEN SPACE WITH CONCRETE SIDEWALK TRAVERSING
- 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
- 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.
- 18. ALL DISTURBED AND REGRADED AREAS NOT TO BE PAVED SHALL RECEIVE TOPSOIL AND BE SEEDED AND MULCHED ACCORDING TO A.L.D.O.T. 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.

## General Notes

- 1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND CONDITIONS OF ALL UTILITIES TO BE UTILIZED FOR CONSTRUCTION SERVICE HOOK UPS, STORM SEWERS AND SANITARY SEWERS PRIOR TO PROCEEDING WITH THE LAYING OF PIPE. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY OF ANY CONFLICTS OF DISCREPANCIES. ALL SERVICE CONNECTIONS TO UTILITIES SHALL BE APPROVED BY THE RESPECTIVE UTILITY AND SHALL CONFORM TO THE LATEST SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES CONCERNING CONFLICTS, RELOCATION, REMOVAL, AND INTERRUPTIONS OF SERVICE.
- 3. THE WORK REQUIRED TO RELOCATE, REMOVE, INSTALL, REPLACE, ETC. UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WITHIN THE LIMITS OF WORK.
- 4. THE CONTRACTOR SHALL BE IN POSSESSION OF ALL REQUIRED PERMITS PRIOR TO ANY CONSTRUCTION EFFORTS.
- 5. ANY CHANGES OR REVISIONS MADE TO THE SITE PLANS SHALL BE SUBMITTED FOR APPROVAL TO THE CITY OF TUSCUMBIA AND ALL OTHER PERTINENT AGENCIES.
- 6. 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.
- 7. 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.
- 8. SEE THE GEOTECHNICAL INVESTIGATION PERFORMED BY GOODWYN MILLS CAWOOD DATED APRIL 8, 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.
- 9. 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.
- 10. ALL EXCESS EXCAVATION CREATED BY GRADING OPERATIONS SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF SITE.
- 11. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, CENTER OF STRIPE, FACE OF BUILDING OR AS SPECIFIED IN THE
- 12. 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.
- 13. ALL STORM DRAINAGE PIPE 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 THE MANUFACTURER'S STANDARDS AND SPECS.
- 14. THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL CONNECTION POINT, SERVICE, SIZE, POLE LOCATIONS, AND TRANSFORMER LOCATIONS WITH THE SERVICE PROVIDER PRIOR TO CONSTRUCTION ACTIVITIES.
- 15. THE CONTRACTOR SHALL PAY ALL CONNECTION COSTS AND FEES, INCLUDING BUT NOT LIMITED TO TAPPING FEES, METER COSTS, SETTING CHARGES, AND CONNECTION CHARGES.
- 16. ALL DRAINAGE STRUCTURES, INLETS BOXES, MANHOLES, ETC. SHALL BE POURED IN PLACE OR PRE CAST CONCRETE AS REQUIRED.
- 17. BRICK WILL ONLY BE ALLOWED TO ADJUST GRADE ON STORM MANHOLES. THE MAXIMUM ALLOWABLE HEIGHT OF BRICK SHALL BE 11 INCHES.
- 18. 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
- 19. THE CONTRACTOR SHALL USE SPILL OUT CURB AND GUTTER AS REQUIRED TO ENSURE POSITIVE DRAINAGE AND THAT NO WATER IS HELD IN THE LOW POINTS OF GUTTERS. THE TRANSITION FROM STANDARD GUTTER TO SPILLOUT
- GUTTER SHALL BE SMOOTH AND AESTHETICALLY PLEASING. 20. THE CONTRACTOR SHALL ENSURE THAT ALL SIDEWALKS, RAMPS, AND ACCESSIBLE PARKING AREAS ARE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT AMERICANS WITH DISABILITIES ACT AND ARCHITECTURAL BARRIERS ACT
- 21. IF BLASTING IS REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PRE-BLAST SURVEYS AND ANY INCIDENTS

## **Demolition Notes**

ACCESSIBILITY GUIDELINES.

- ALL ON-SITE EXISTING UTILITIES NOT TO BE USED SHALL BE REMOVED. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANY FOR THE REMOVAL AND DISCONNECTION OF EXISTING UTILITIES.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR 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, AND TELEPHONE.
- 3. 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 DONE 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.
- 4. 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. 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.
- 5. 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.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL CONCRETE, SIDEWALKS, WALLS, ETC. DAMAGED DURING CONSTRUCTION. ALL DISTURBED AREAS WITHIN PUBLIC RIGHTS OF WAY SHALL BE RESTORED TO THE ORIGINAL CONDITION OR AS ACCEPTED BY THE OWNER.

INV. W=469.90'

IRANSFORMER BOX
LIGHT POLE
CABLE TV BOX
ELECTRIC BOX
ELECTRIC PANEL
IRRIGATION CONTROL VALVE
SANITARY SEWER MANHOLE
STORM DRAIN MANHOLE
TELEPHONE MANHOLE
SEWER CLEANOUT SEWER CLEANOUT
SEWER GRINDER PUMP
GREASE TRAP
FLAG POLE
GAS LINE SIGN MARKER
TELEPHONE SIGN MARKER WATERLINE MARKER FIBER OPTIC LINE MARKER

FAUCET — OE— OVERHEAD ELECTRIC
— BE— BURIED ELECTRIC LINE — s — UNDERGROUND SEWER LINE

— G — UNDERGROUND GAS LINE

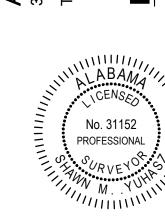
- v - VINYL FENCE

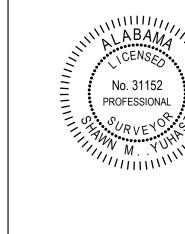
TELEPHONE BOX (VAULT)
WATER METER
SANITARY SEWER VALVE
WATER VALVE
GAS VALVE
R TRANSFORMER BOX

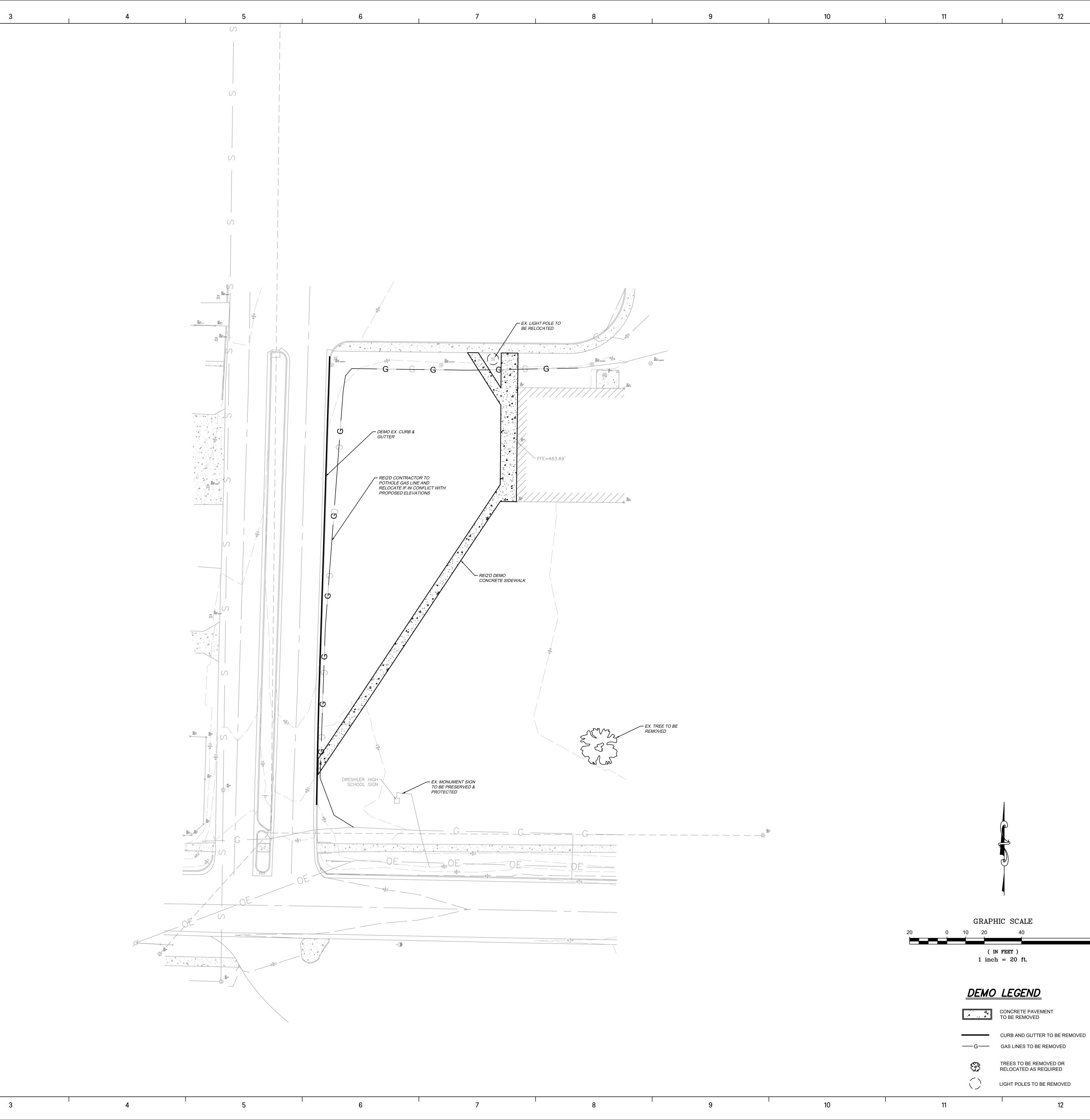
## GENERAL SURVEYOR'S NOTES

- 1. SOURCES OF INFORMATION USED TO FACILITATE THIS SURVEY WERE PREVIOUS SURVEYS BY THIS AND OTHER FIRMS, THE RECORDED SUBDIVISION PLAT, AND/OR OTHER RECORDED DOCUMENTS SHOWN HEREON. 2. NO TITLE SEARCH, TITLE OPINION OR ABSTRACT WAS PERFORMED BY THIS FIRM. THERE MAY BE DEEDS OF RECORD, UNRECORDED DEEDS,
- EASEMENTS, RIGHT-OF-WAYS, OR OTHER INSTRUMENTS OF RECORD WHICH COULD AFFECT THE BOUNDARIES OF THIS PROPERTY THAT WERE NOT FURNISHED AT TIME OF SURVEY. FIELD WORK FOR THIS SURVEY WAS COMPLETED ON 3/25/2022.
   BEARINGS ARE BASED ON NORTH AMERICAN DATUM 1983, ALABAMA WEST ZONE; STATE PLANE GRID NORTH; DERIVED BY GLOBAL POSITIONING
- SYSTEM OBSERVATION; ALL DISTANCES SHOWN ARE GROUND DISTANCES. ALL MEASUREMENTS WERE MADE IN ACCORDANCE WITH U.S. SURVEY

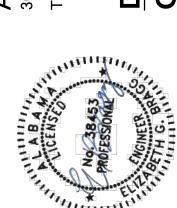
5. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988. CONTOURS ARE SHOWN AT ONE FOOT INTERVALS.
6. NO UNDERGROUND IMPROVEMENTS HAVE BEEN LOCATED UNLESS SHOWN.

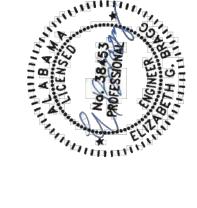


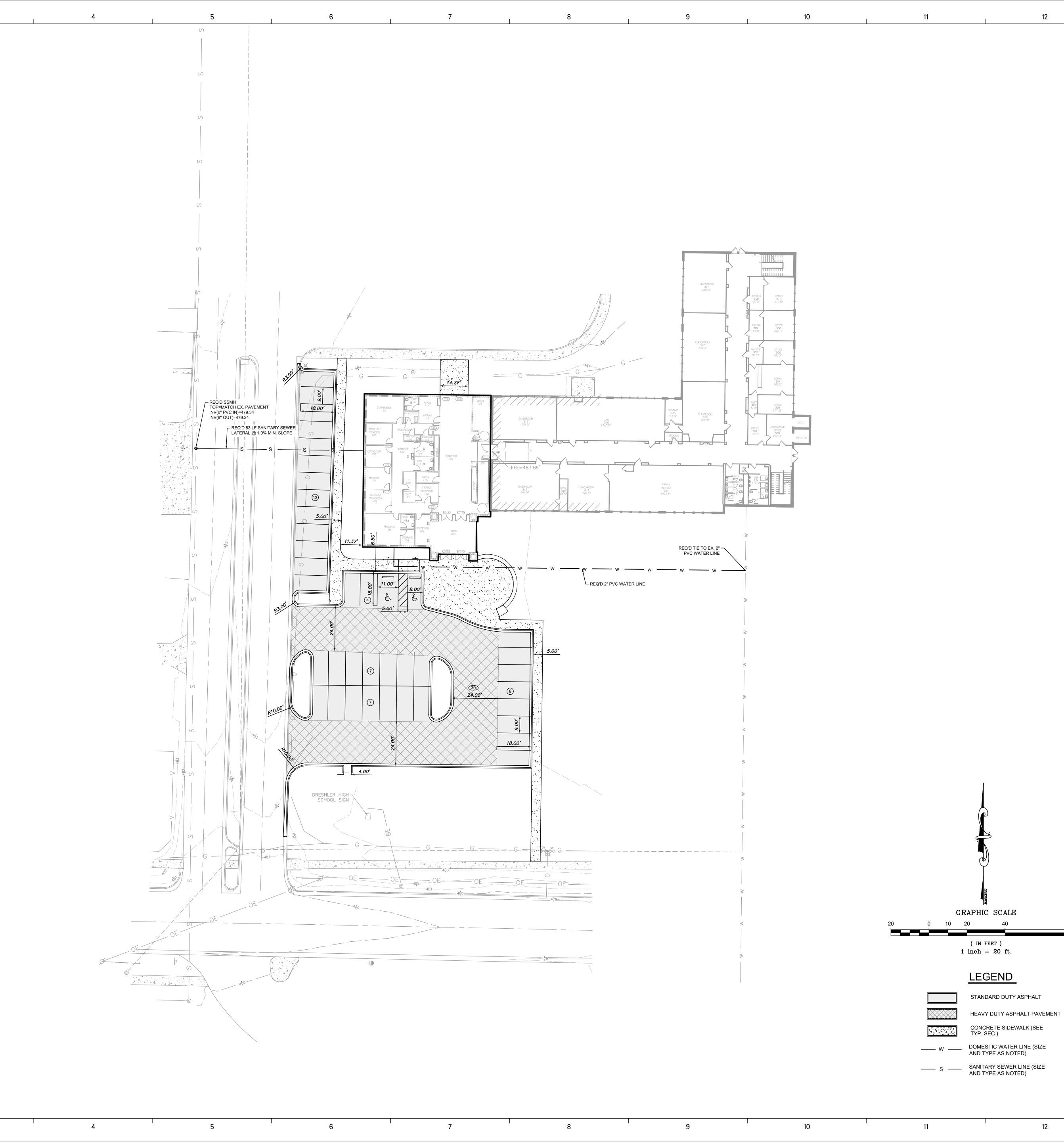


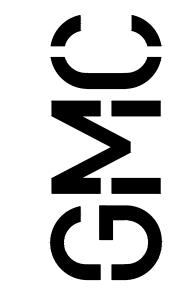












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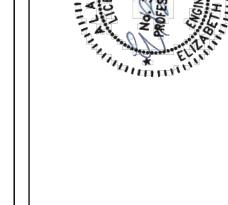
STREET EAST

TUSCUMBIA, AL, 35674

DCM# 2022059

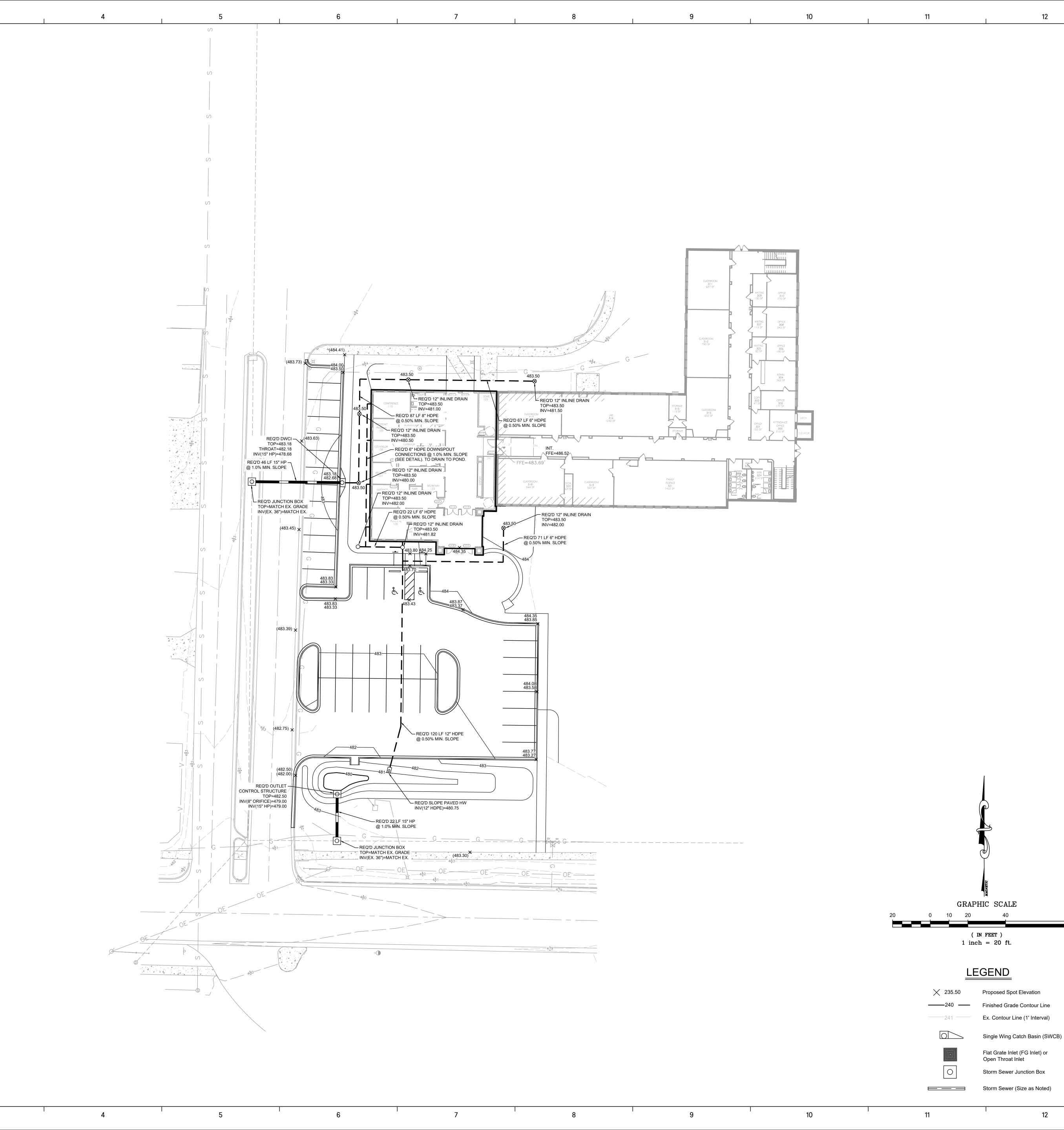
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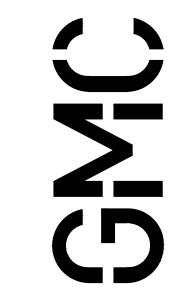


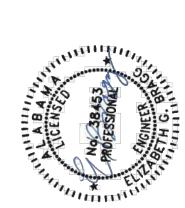


SITE LAYOUT & UTILITY PLAN

Sheet of 000







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FINAL SUBMITTAL 06.10.2022

DRAWN BY:

ON TO DESHLER HIGH SCHC SOMMONS STREET EAST . AL, 35674

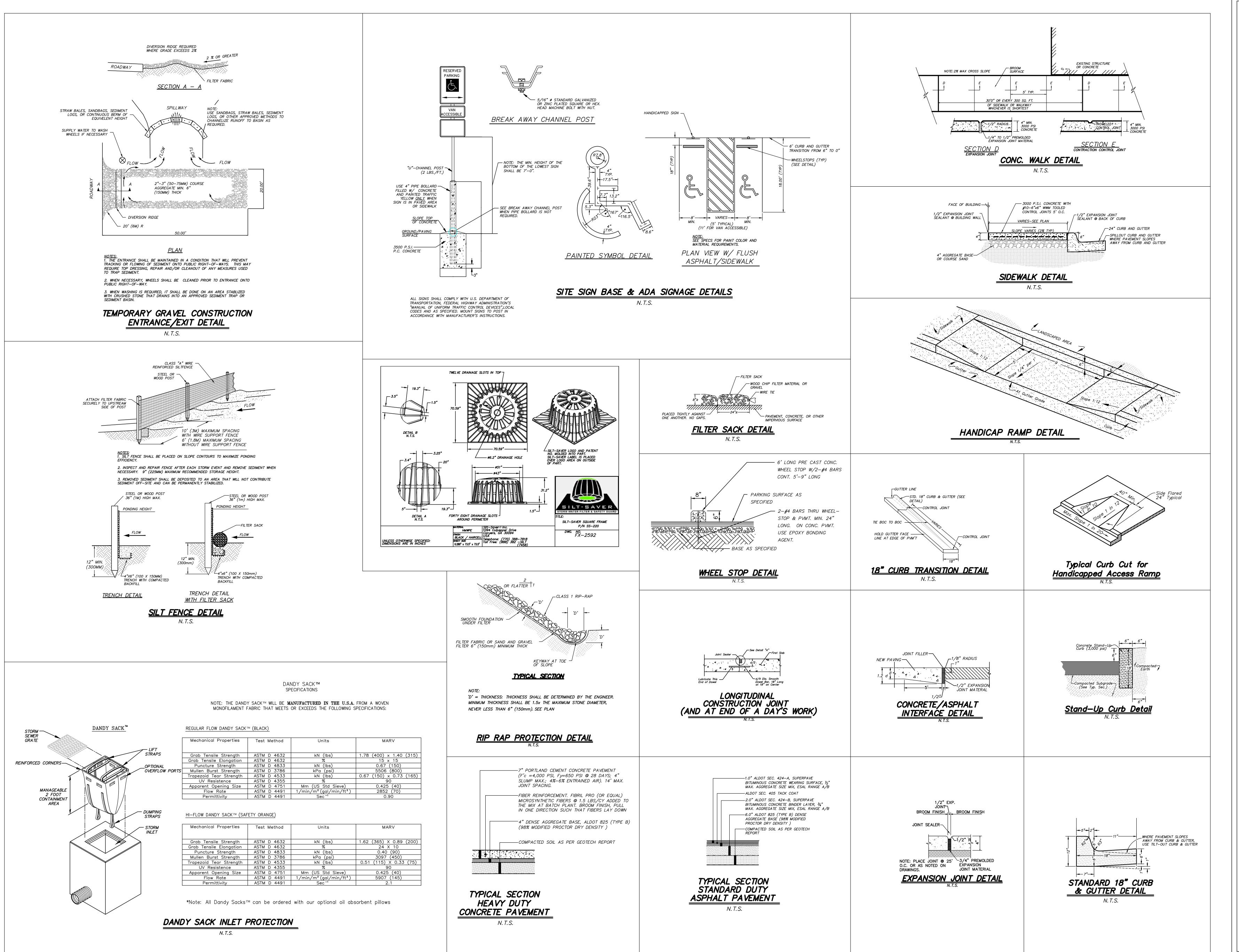
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DCM# 2022059



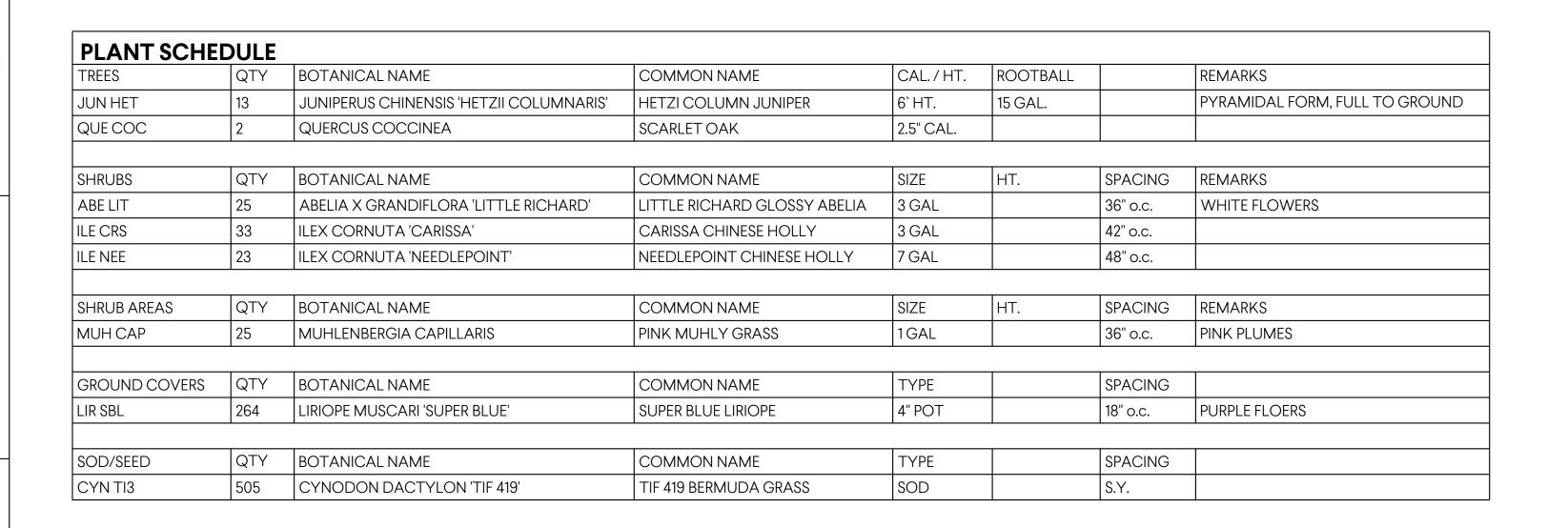
EROSION & SEDIMENT CONTROL PLAN

**O**3



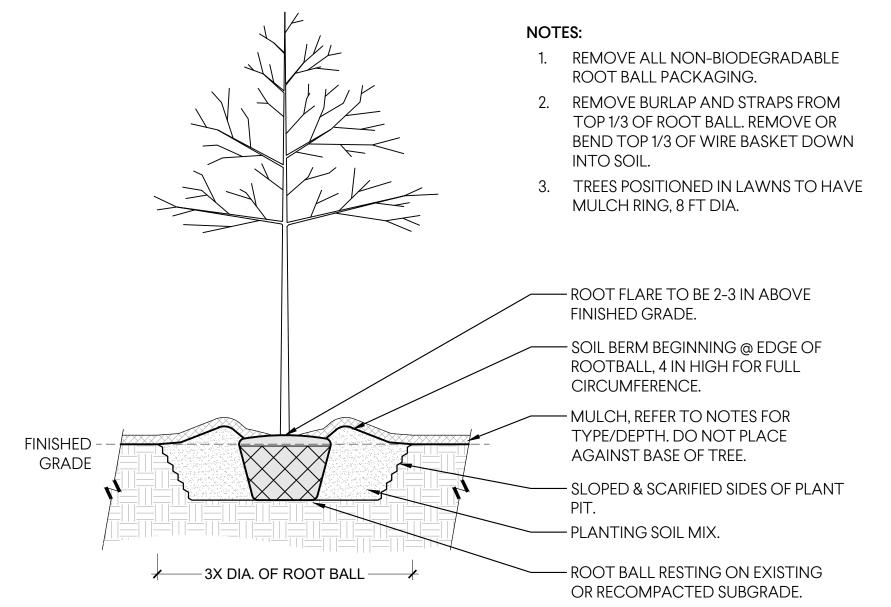
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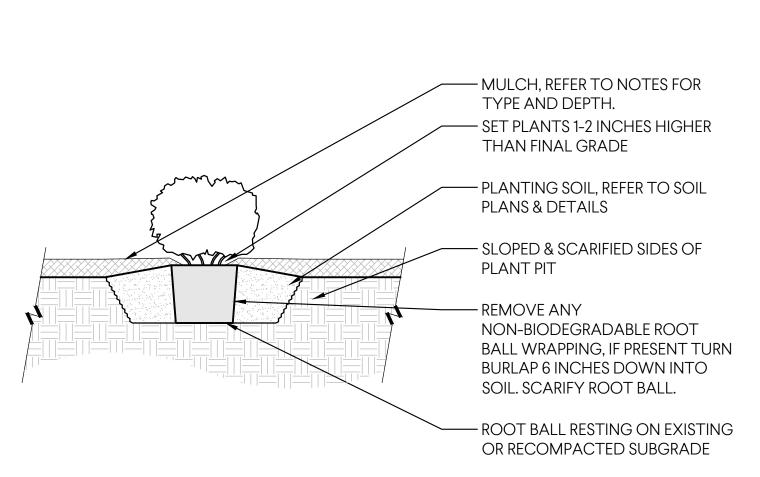


NORTH

SCALE: 1 IN = 20 FT



## 1 TREE PLANTING



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

## GENERAL LANDSCAPE NOTES

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS & RELATED EXISTING CONDITIONS, UTILITIES, STRUCTURES, ETC. PRIOR TO BIDDING AND CONSTRUCTION.
- 2. CONTRACTOR'S BASE BID TO INCLUDE ALL MATERIALS, LABOR, PERMITS, EQUIPMENT, TOOLS, INSURANCE, ETC. TO PERFORM THE WORK AS DESCRIBED IN THE CONTRACT DOCUMENTS.
- 3. PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE LAWS, CODES, & REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK & PROVIDE PERMITS REQUIRED BY LOCAL AUTHORITIES.
- 4. CONTRACTOR TO COMPLETE ALL WORK WITHIN SCHEDULE ESTABLISHED BY OWNER.
- 5. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL WORK DISTURBED BY CONSTRUCTION TO A CONDITION BETTER THAN OR EQUAL TO THE CONDITIONS THAT EXISTED PRIOR TO THE BEGINNING OF CONSTRUCTION AT NO ADDITIONAL COST TO OWNER.
- 6. SEE CIVIL DRAWINGS FOR INFORMATION REGARDING EROSION/SEDIMENT CONTROL, LOCATION OF EXISTING & PROPOSED STRUCTURES, PAVING, DRIVEWAYS, CUT & FILL AREAS, LIMITS OF CONSTRUCTION, EXISTING & PROPOSED UTILITIES OR EASEMENTS.

## PLANT INSTALLATION NOTES

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL RELATED EXISTING CONDITIONS, UTILITIES, STRUCTURES, ETC. PRIOR TO BIDDING AND CONSTRUCTION.
- 2. REMOVE FROM SITE ANY & ALL EXISTING VEGETATION INCLUDING STUMPS & ROOTS IN CONFLICT WITH PLANTING PLAN UNLESS EXPLICITLY DESIGNATED FOR PROTECTION.
- 3. SEE SPECIFICATIONS & DETAILS FOR PLANTING METHODS, REQUIREMENTS, SOIL TESTING, MATERIALS, EXECUTION, AND PLANT
- 4. PLANT NAMES MAY BE ABBREVIATED ON DRAWINGS. REFER TO PLANT SCHEDULE FOR ABBREVIATIONS, BOTANICAL & COMMON NAMES, SIZES, ESTIMATED QUANTITIES AND OTHER REMARKS.
- 5. 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
- 6. 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.
- 7. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL WORK DISTURBED BY CONSTRUCTION TO A CONDITION BETTER THAN OR EQUAL TO THE CONDITIONS THAT EXISTED PRIOR TO THE BEGINNING OF CONSTRUCTION AT NO ADDITIONAL COST TO

## PLANTING SOIL & PREPARATION NOTES

- PLANTING SOIL SHALL BE PROVIDED MIXED AND READY FOR INSTALLATION. ON-SITE MIXING OF PLANTING SOIL IS NOT ACCEPTABLE.
- 2. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE FOR LOCATION OF STOCKPILE AREAS FOR STRIPPED TOPSOIL AND PLANTING SOIL PRODUCTS. CONTRACTOR SHALL ENSURE AREA IS PROTECTED AND CONTAMINATION OR
- DISTURBANCE OF STORED PRODUCT IS NOT ALLOWED.

  3. FINAL GRADES DEPICTED ON THE GRADING PLAN (REFER TO CIVIL DRAWINGS) ARE TO ACCOUNT FOR PLANTING SOIL DEPTHS
- INDICATED IN THE PLANTING SOIL & PREPARATION DRAWINGS.

  4. CONTRACTOR SHALL ENSURE SUBGRADE IS SCARIFIED PRIOR TO INSTALLING PLANTING SOIL.
- 5. ALL TRASH, DEBRIS LARGER THAN 2 INCHES 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.
- 6. COORDINATE PLACEMENT OF PLANTING SOIL WITH OTHER WORK, ESPECIALLY UTILITIES. PLACEMENT SHOULD OCCUR AFTER INSTALLATION OF HARDSCAPE IMPROVEMENTS, IRRIGATION SYSTEMS, UTILITIES, ETC. AND BEFORE PLANT INSTALLATION.

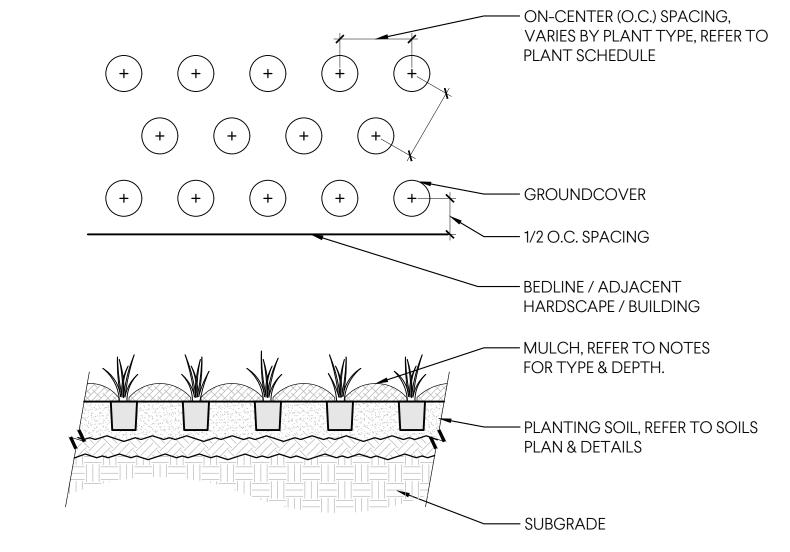
**NOTES:** 1. REMOVE ALL NON-BIODEGRADABLE ROOT BALL PACKAGING. 2. REMOVE BURLAP AND STRAPS FROM TOP 1/3 OF ROOT BALL. REMOVE OR BEND TOP 1/3 OF WIRE BASKET DOWN INTO SOIL. TREES POSITIONED IN LAWNS TO HAVE MULCH RING, 8 FT DIA. — ROOT FLARE TO BE 2-3 IN ABOVE FINISHED GRADE. — SOIL BERM BEGINNING @ EDGE OF ROOTBALL, 4 IN HIGH FOR FULL CIRCUMFERENCE. — MULCH, REFER TO NOTES FOR TYPE/DEPTH. DO NOT PLACE AGAINST BASE OF TREE. SLOPED & SCARIFIED SIDES OF PLANT — PLANTING SOIL MIX.

- ROOT BALL RESTING ON EXISTING

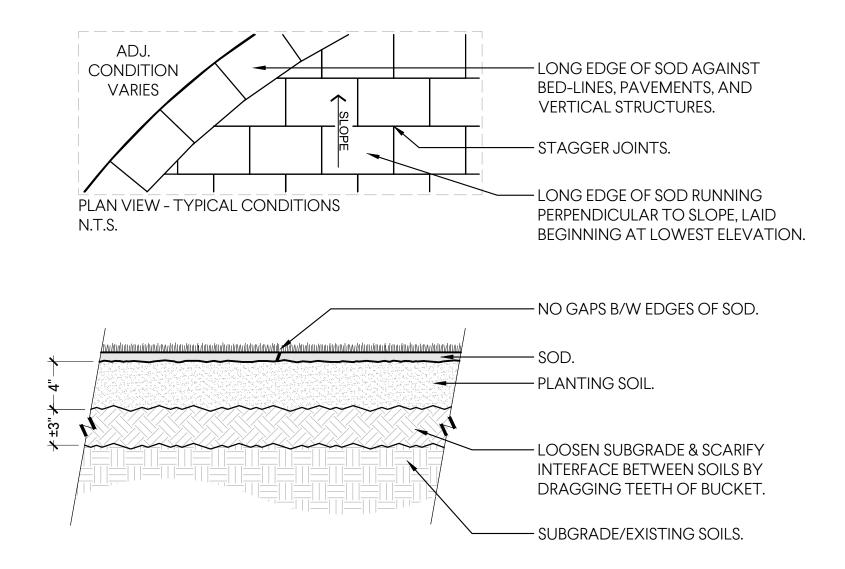
OR RECOMPACTED SUBGRADE.

## **TREE PLANTING, EVERGREEN**3/8" = 1'-0"

3X DIA. OF ROOT BALL



## 4 GROUNDCOVER & PERENNIAL PLANTING



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

## WARRANTY & SUBSTANTIAL/FINAL COMPLETION NOTES

- CONTRACTOR TO PROVIDE ONE YEAR WARRANTY FOR ALL MATERIAL & WORKMANSHIP BEYOND DATE OF SUBSTANTIAL COMPLETION. WARRANTY DOES NOT INCLUDE LOSS RESULTING FROM ACTS OF NATURE, VANDALISM, OR OWNER NEGLECT AS DETERMINED BY THE LANDSCAPE ARCHITECT.
- 2. CONTRACTOR TO SUBMIT WRITTEN REQUEST MIN 7 DAYS PRIOR TO ANTICIPATED REVIEW DATE FOR SUBSTANTIAL COMPLETION.
- A. THE LANDSCAPE ARCHITECT SHALL DEVELOP A PUNCH-LIST OF ITEMS TO BE COMPLETED PRIOR TO THE GRANTING OF SUBSTANTIAL COMPLETION. AFTER COMPLETING THE PUNCH-LIST, THE CONTRACTOR SHALL REQUEST ANOTHER REVIEW BY THE LANDSCAPE ARCHITECT.
- 3. FINAL COMPLETION SHALL BE GIVEN AT END OF WARRANTY PERIOD IF ALL ITEMS ARE COMPLETED TO THE OWNERS SATISFACTION
- A. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT AT THE END OF THE WARRANTY PERIOD TO SCHEDULE FINAL INSPECTION. SHOULD THE CONTRACTOR FAIL TO CONTACT THE LANDSCAPE ARCHITECT, THE WARRANTY PERIOD IS AUTOMATICALLY EXTENDED UNTIL HE/SHE DOES SO.

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Huntsville, AL
T 256.533.14

PROGRESS SET 04.22.2022
FINAL SUBMITTAL 06.10.2022

DRAWN BY: LMW

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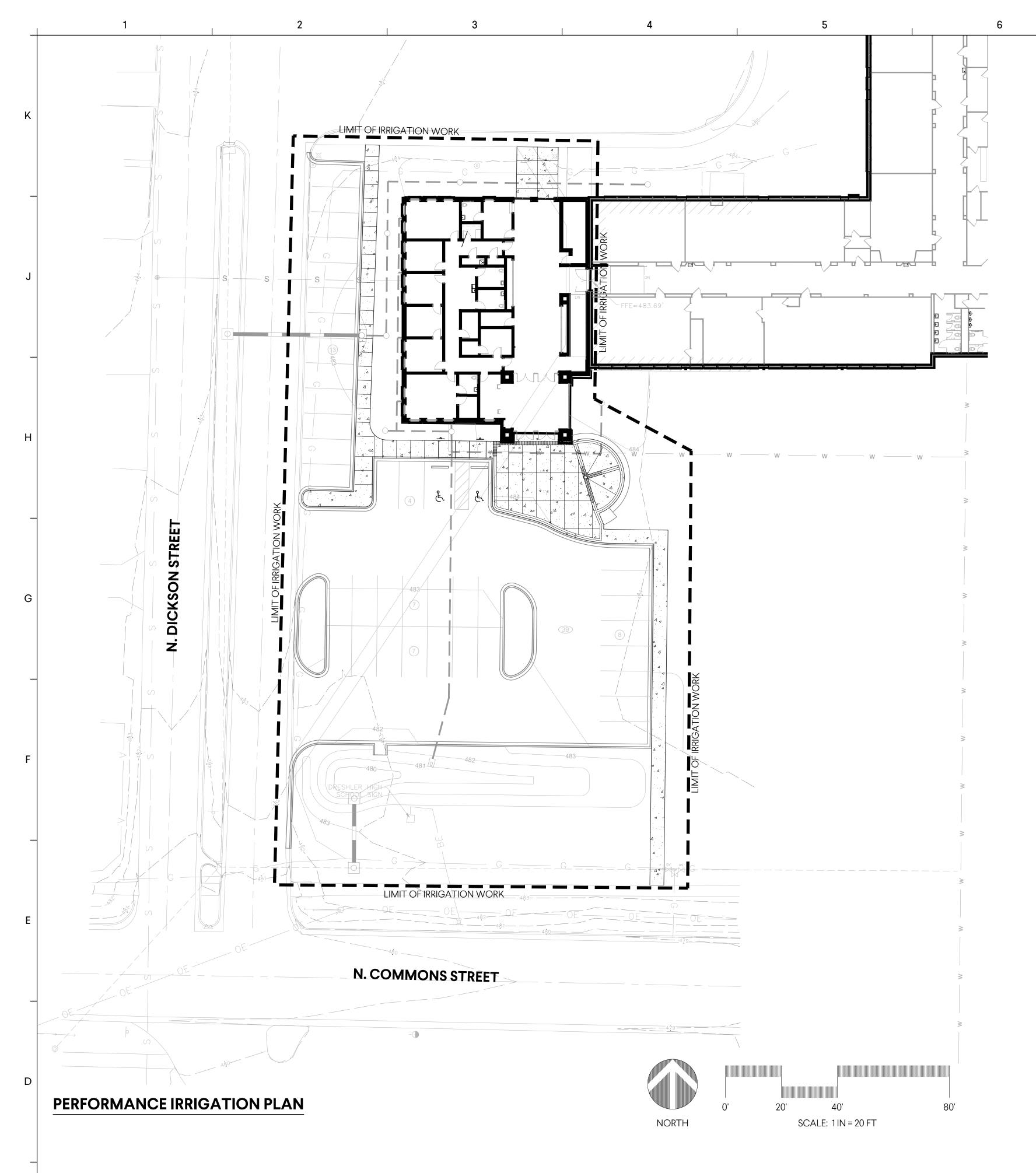
DRAWN BY

303 NORTH COMMONS STREET EAST
TUSCUMBIA, AL, 35674

GMC# AHUN210012



LANDSCAPE PLAN SCHEDULE, NOTES DETAILS



**IRRIGATION NOTES** 

- 1. IRRIGATION DRAWINGS ARE DIAGRAMMATIC IN GENERAL & SUBJECT TO THE REQUIREMENTS OF THE PLANTING PLAN. THE IRRIGATION DRAWINGS INDICATE THE GENERAL LOCATION OF THE COMPONENT PARTS OF THE SYSTEM, BUT ARE NOT INTENDED TO SHOW ALL FITTINGS OR ALL DETAILS OF THE IRRIGATION WORK.
- 2. ALL IRRIGATION WORK WILL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES & STANDARDS INCLUDING CITY CODES, ORDINANCES, & REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, FEES, & APPROVALS FROM GOVERNING AUTHORITIES.
- 4. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH SITE CONTRACTOR THE INSTALLATION OF NEW IRRIGATION WATER METER & BACKFLOW PREVENTER OR CONNECTION TO EXISTING IRRIGATION WATER METER. CONTRACTOR TO VERIFY IF EXISTING WATER METER & BACKFLOW PREVENTER IS PRESENT AND SUITABLE FOR
- USE.

  5. TEST WATER PRESSURE DOWNSTREAM OF THE IRRIGATION WATER METER OR PUMP STATION DISCHARGE TO CONFIRM AVAILABILITY OF PROPER OPERATING PRESSURE.
- NOTIFY LANDSCAPE ARCHITECT IF AVAILABLE PRESSURE IS INSUFFICIENT OR EXCESSIVE.

  6. INSTALL ALL IRRIGATION COMPONENTS AS PER MANUFACTURER'S RECOMMENDATIONS OR INSTRUCTIONS.
- 7. REMOTE CONTROL VALVES & OTHER UNDERGROUND DEVICES WILL BE INSTALLED IN PLASTIC BOXES WITH PLASTIC COVERS OF THE SIZE REQUIRED TO ENSURE ADJUSTMENT OF THE DEVICE. GROUP DEVICES IN SINGLE BOXES WHERE POSSIBLE.
- 8. IRRIGATION HEADS TO BE LOCATED A MINIMUM OF 4 IN. OFF SIDEWALKS/CURBS & 6 IN.
- FROM BUILDINGS OR WALLS.

  9. ADJUST IRRIGATION AS NECESSARY TO AVOID EXISTING UTILITIES, LIGHT POLES,
- BUILDINGS, AND/OR OTHER UNFORESEEN OBSTRUCTIONS.

  10. IRRIGATION CONTROLLER LOCATION TO BE VERIFIED BY OWERNER. CONTRACTOR TO
- PROVIDE CONTROLLER WITH APPROPRIATE ENCLOSURE FOR SPECIFIC LOCATION WHETHER INTERIOR, EXTERIOR, WALL MOUNT, OR PEDESTAL ENCLOSURE APPLICATION.
- CONTRACTOR SHALL INSTALL GROUNDING, SURGE, & LIGHTNING PROTECTION AS PER IRRIGATION MANUFACTURER'S RECOMMENDATIONS.
   VALVES, CONTROLLERS, & ALL IRRIGATION EQUIPMENT TO HAVE PROPER GROUNDING
- PROTECTION AS PER IRRIGATION MANUFACTURER'S RECOMMENDATIONS.

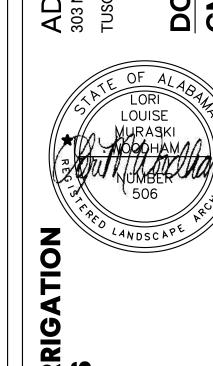
  13. CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS OF THE SYSTEM AT THE COMPLETION OF THE PROJECT.

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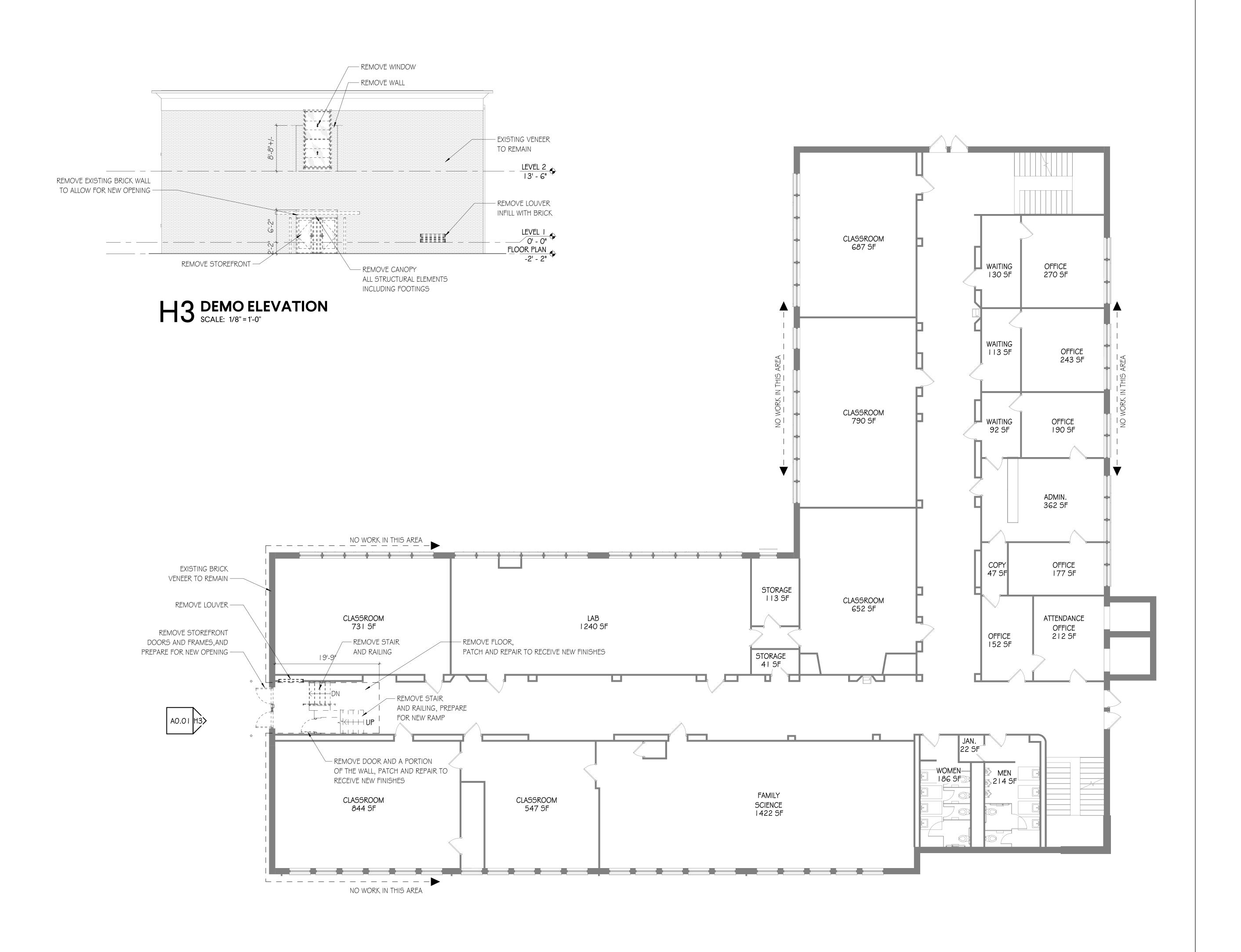
PROGRESS SET 04.22.2022
FINAL SUBMITTAL 06.10.2022

DRAWN BY: LWMW

ADDITION TO DESHLER HIGH SC 303 NORTH COMMONS STREET EAST TUSCUMBIA, AL, 35674

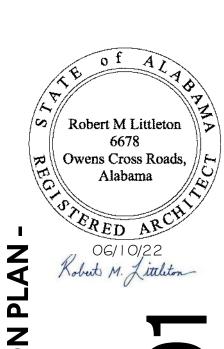


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FIRST FLOOR DEMOLITION PLAN SCALE: 1/8" = 1'-0"

ADDITION TO DESHLER HIGH SCHOOL 303 NORTH COMMONS STREET EAST, TUSCUMBIA, AL. 35674



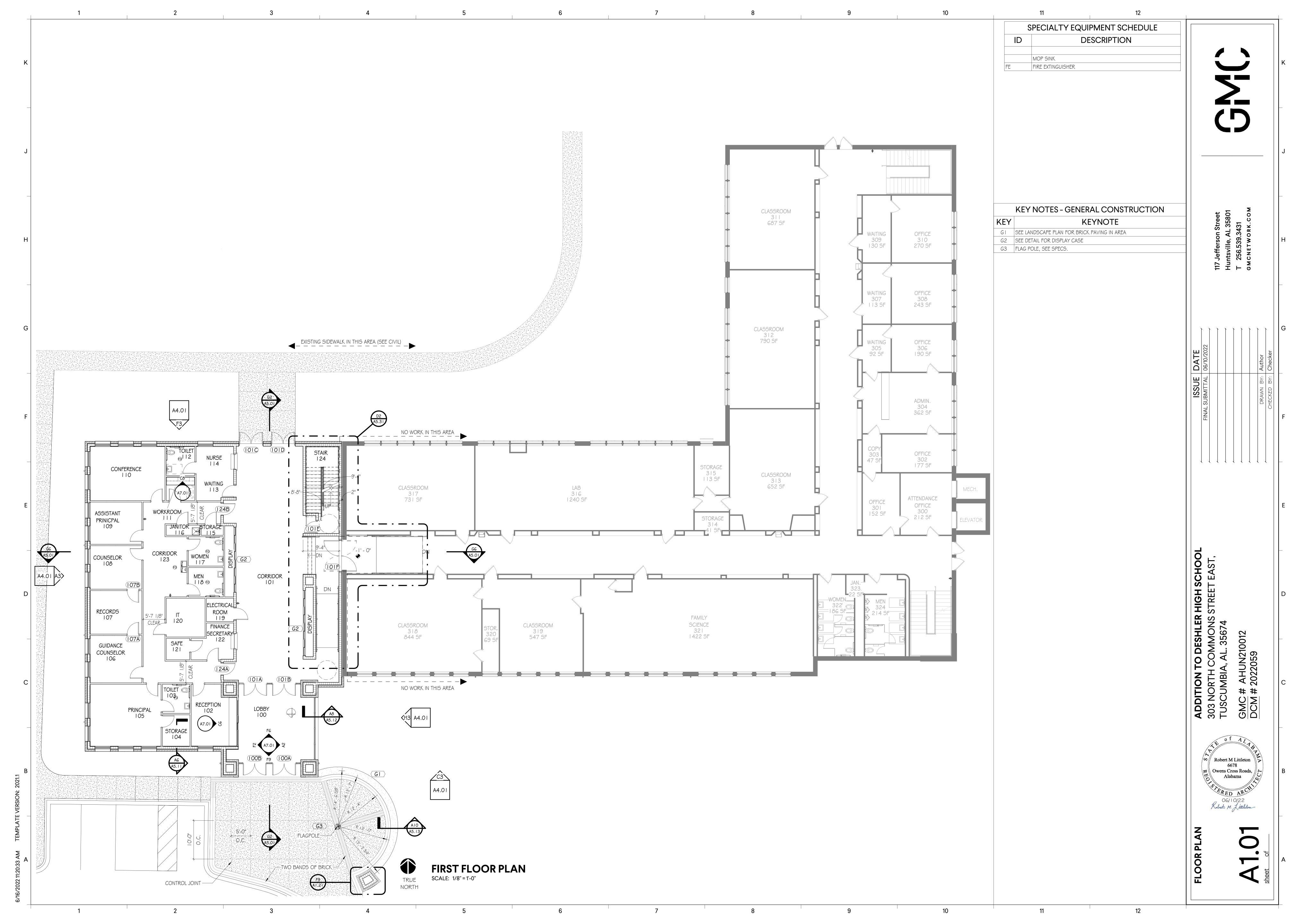


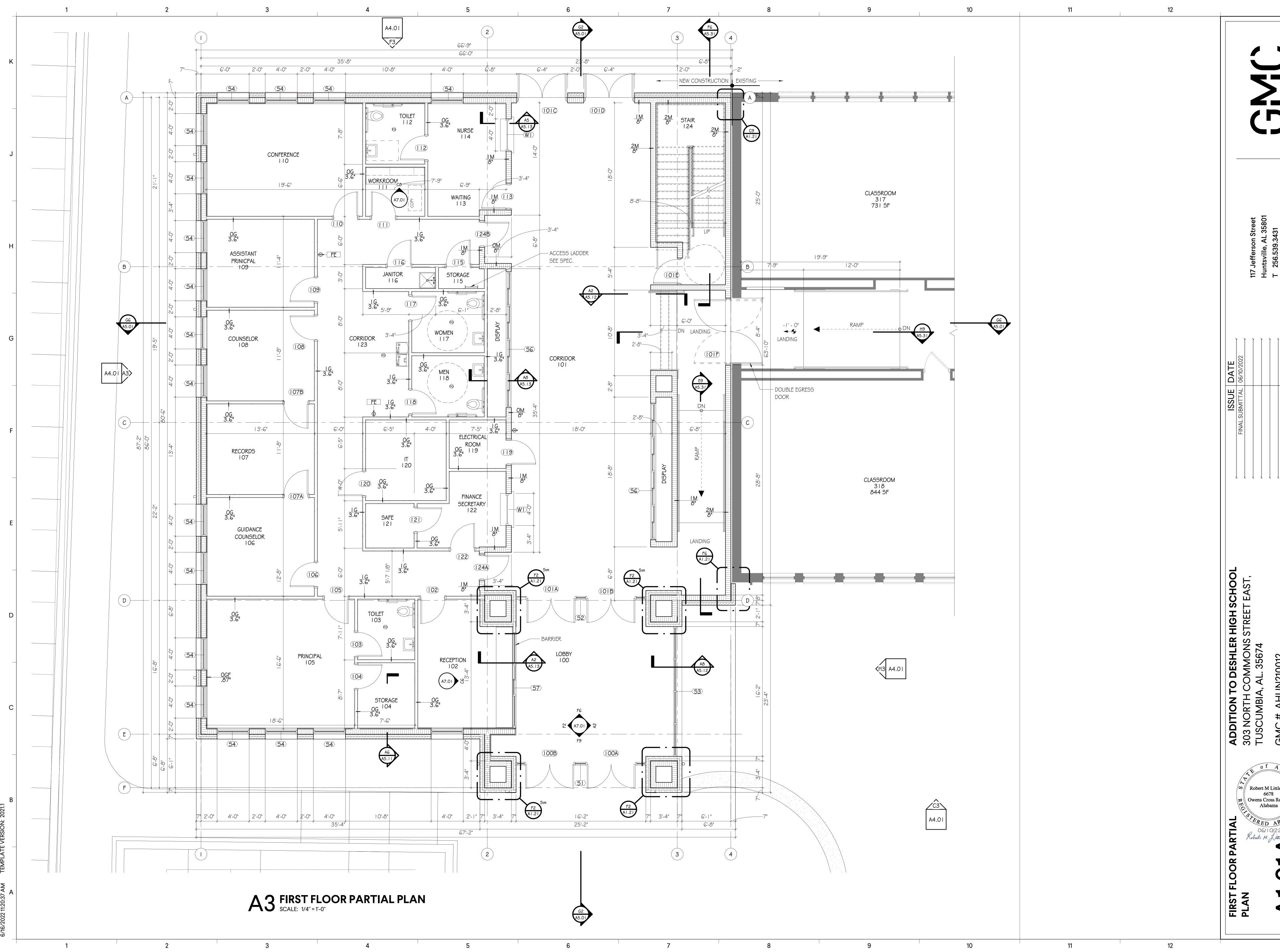
SECOND FLOOR DEMOLITION PLAN SCALE: 1/8" = 1'-0"

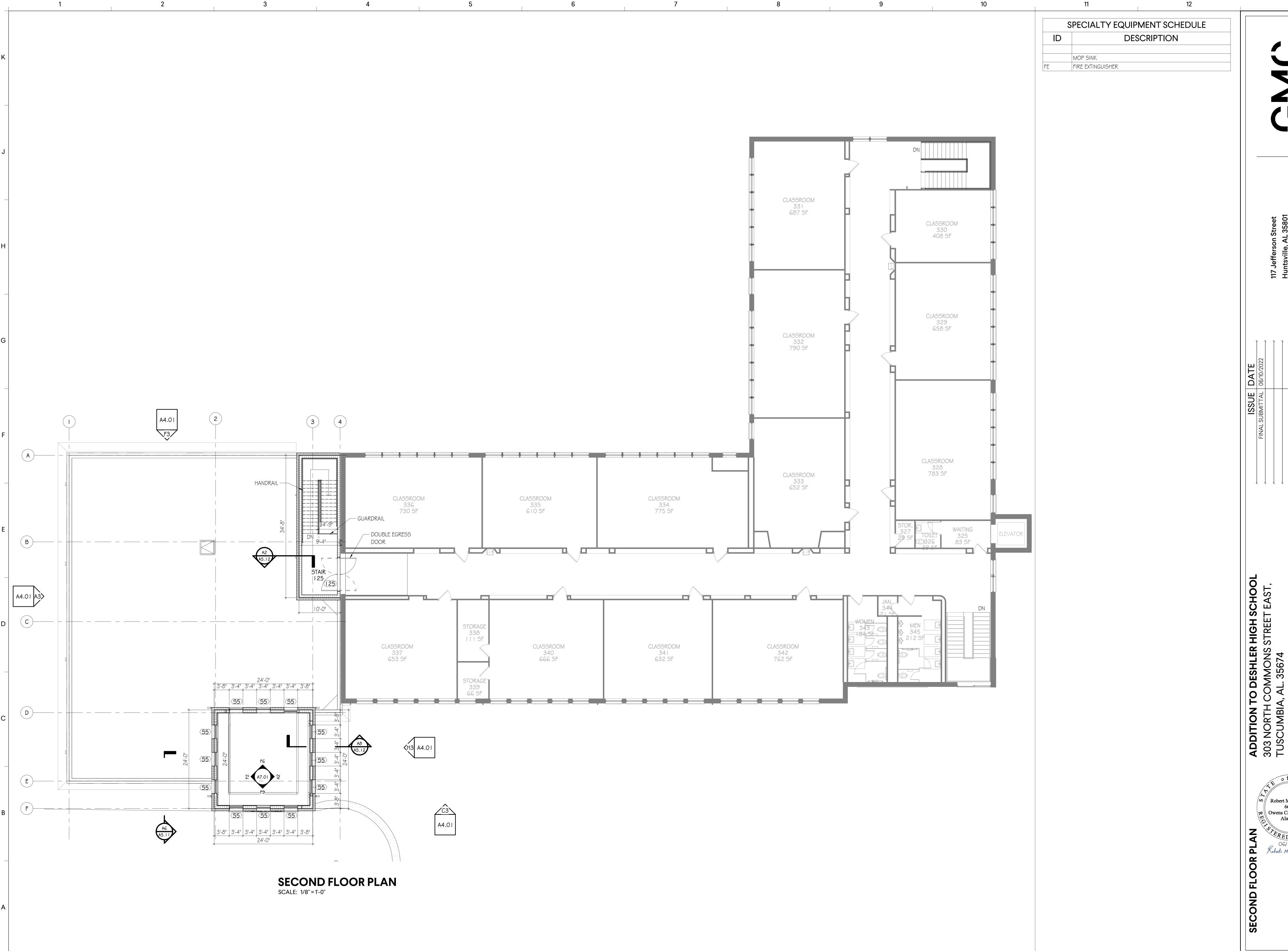
ADDITION TO DESHLER HIGH SCHOOL
303 NORTH COMMONS STREET EAST,
TUSCUMBIA, AL. 35674

GMC # AHUN210012
DCM # 2022059

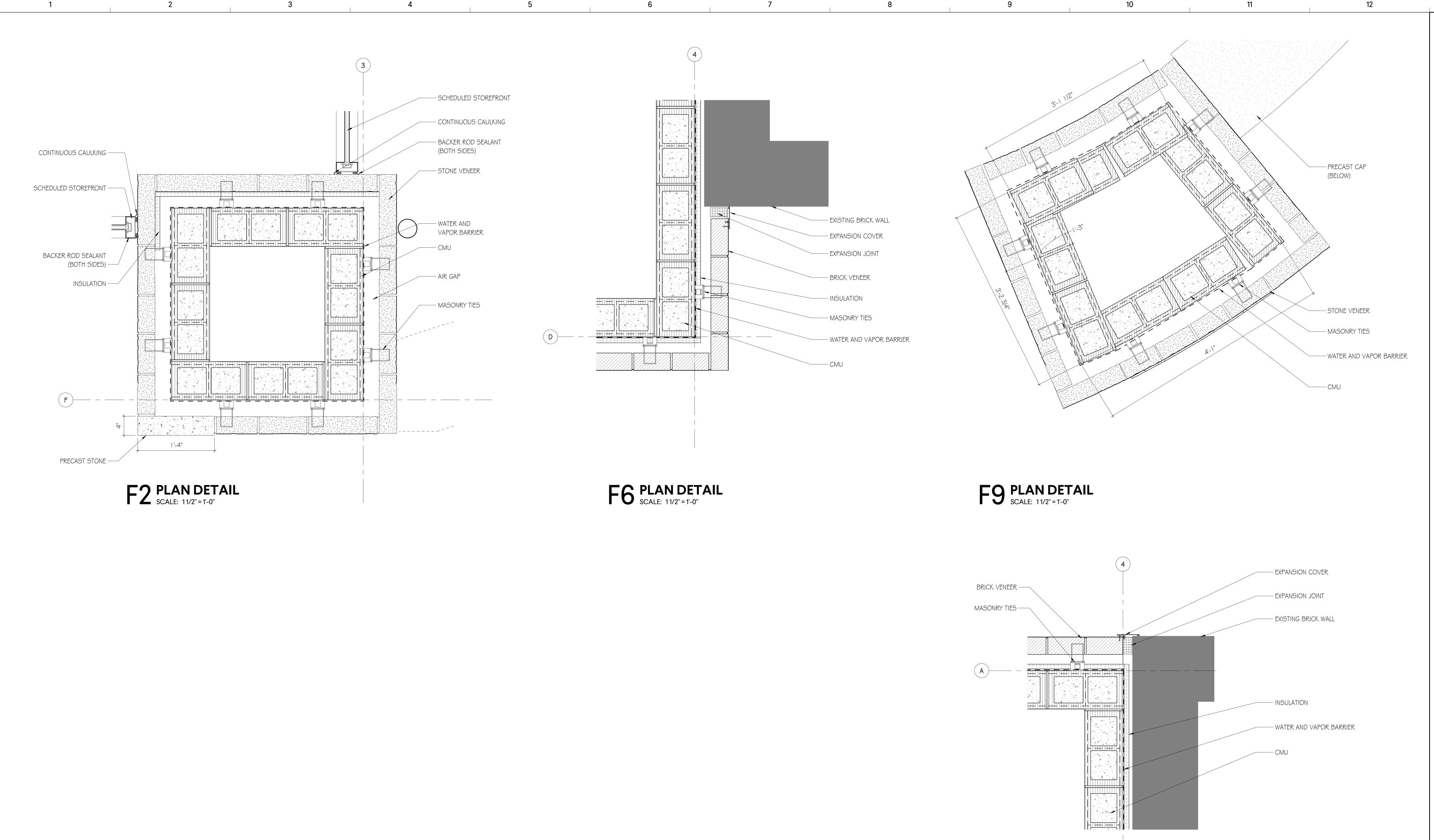
Robert M Littleton 6678







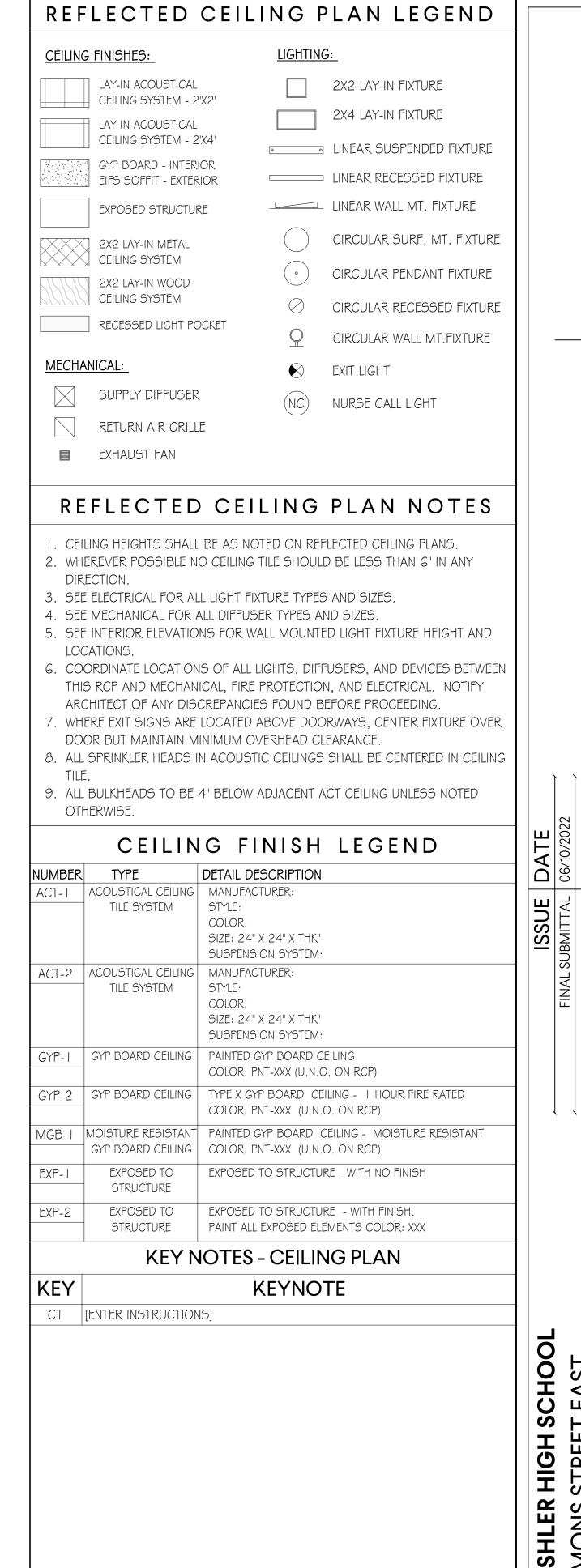
Robert M Littleton 6678



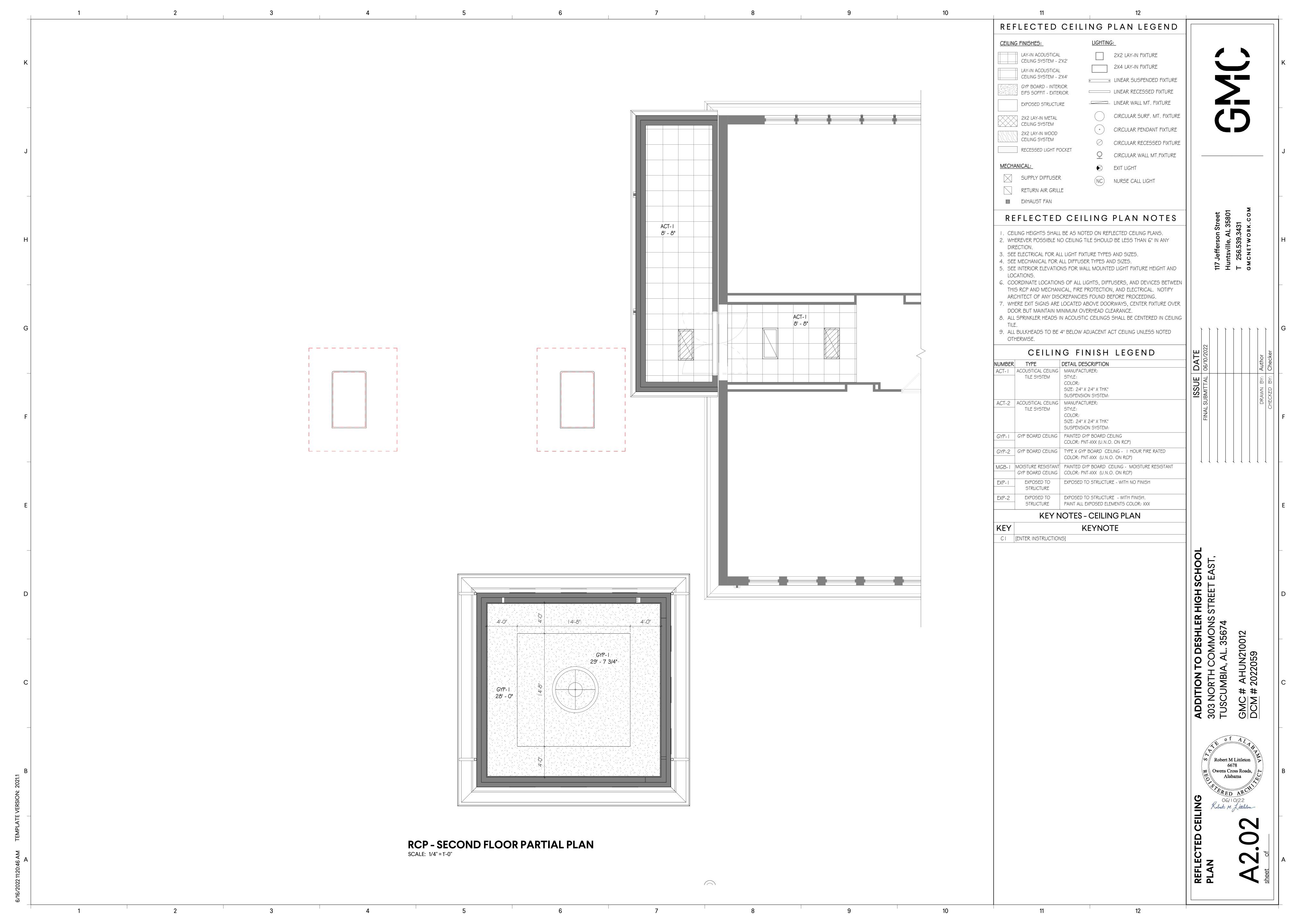
C9 PLAN DETAIL SCALE: 11/2" = 1'-0"

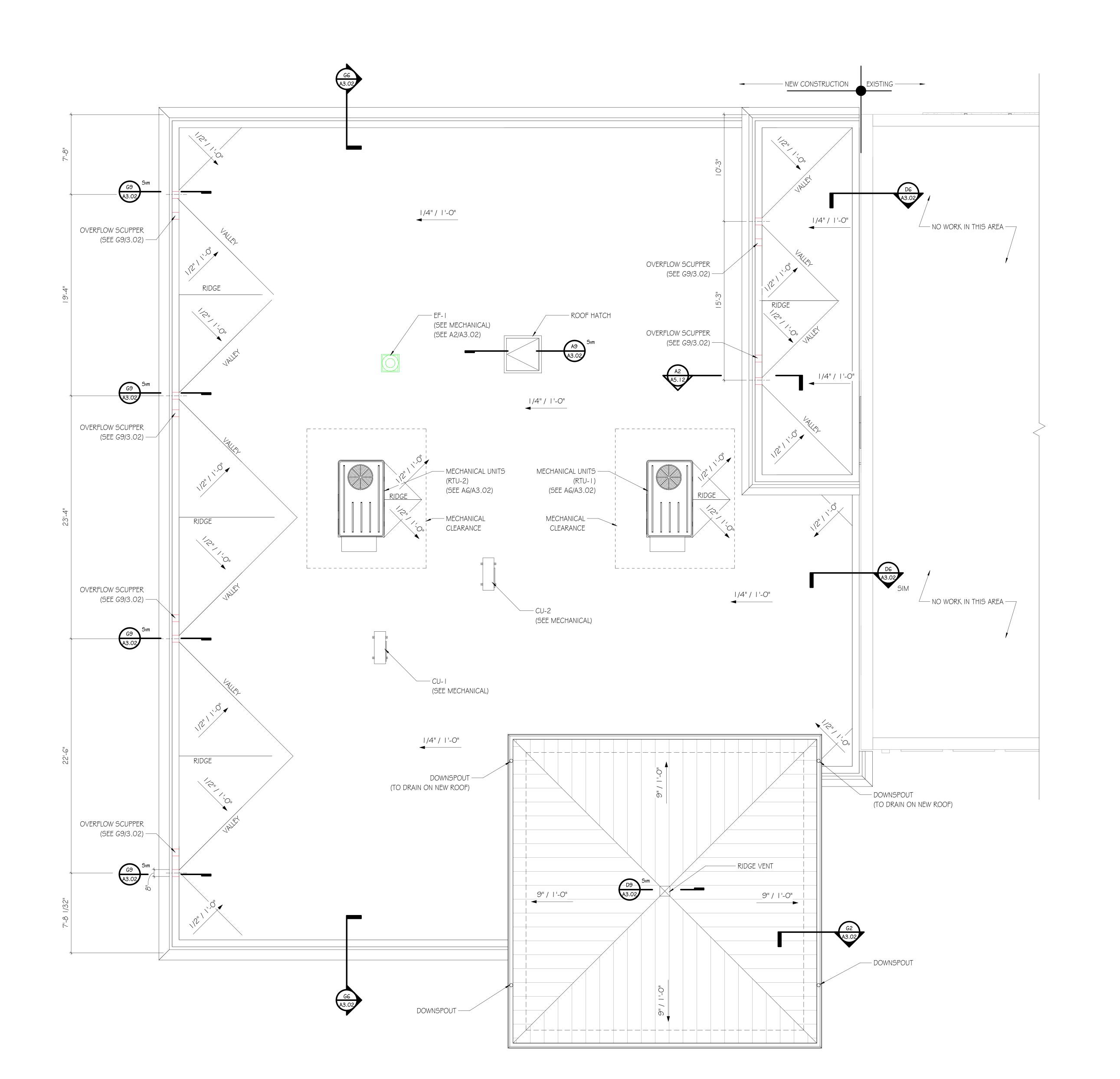






/∞ // Robert M Littleton \\ 🕏 6678



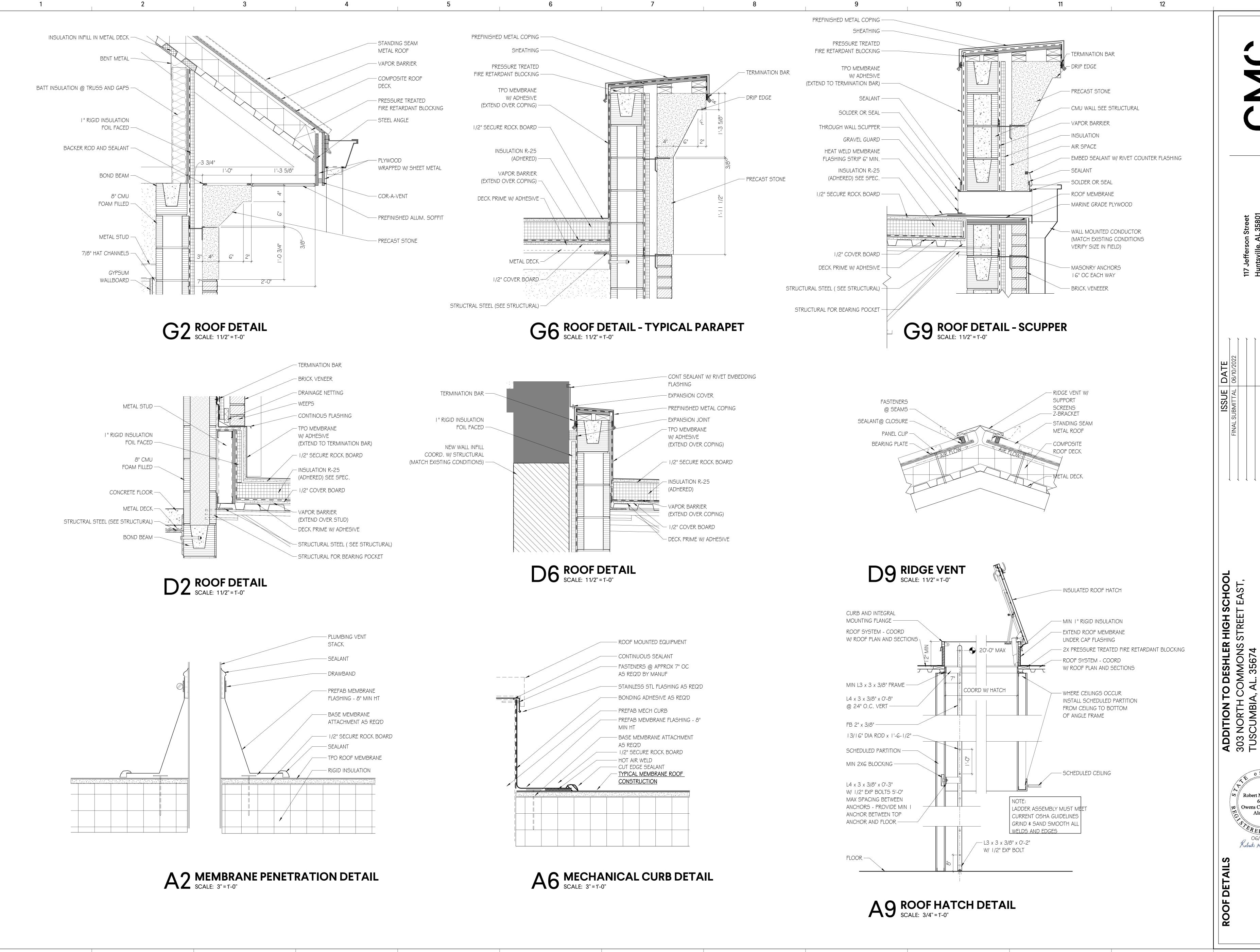


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Robert M Littleton 6678

**ROOF PLAN**8

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



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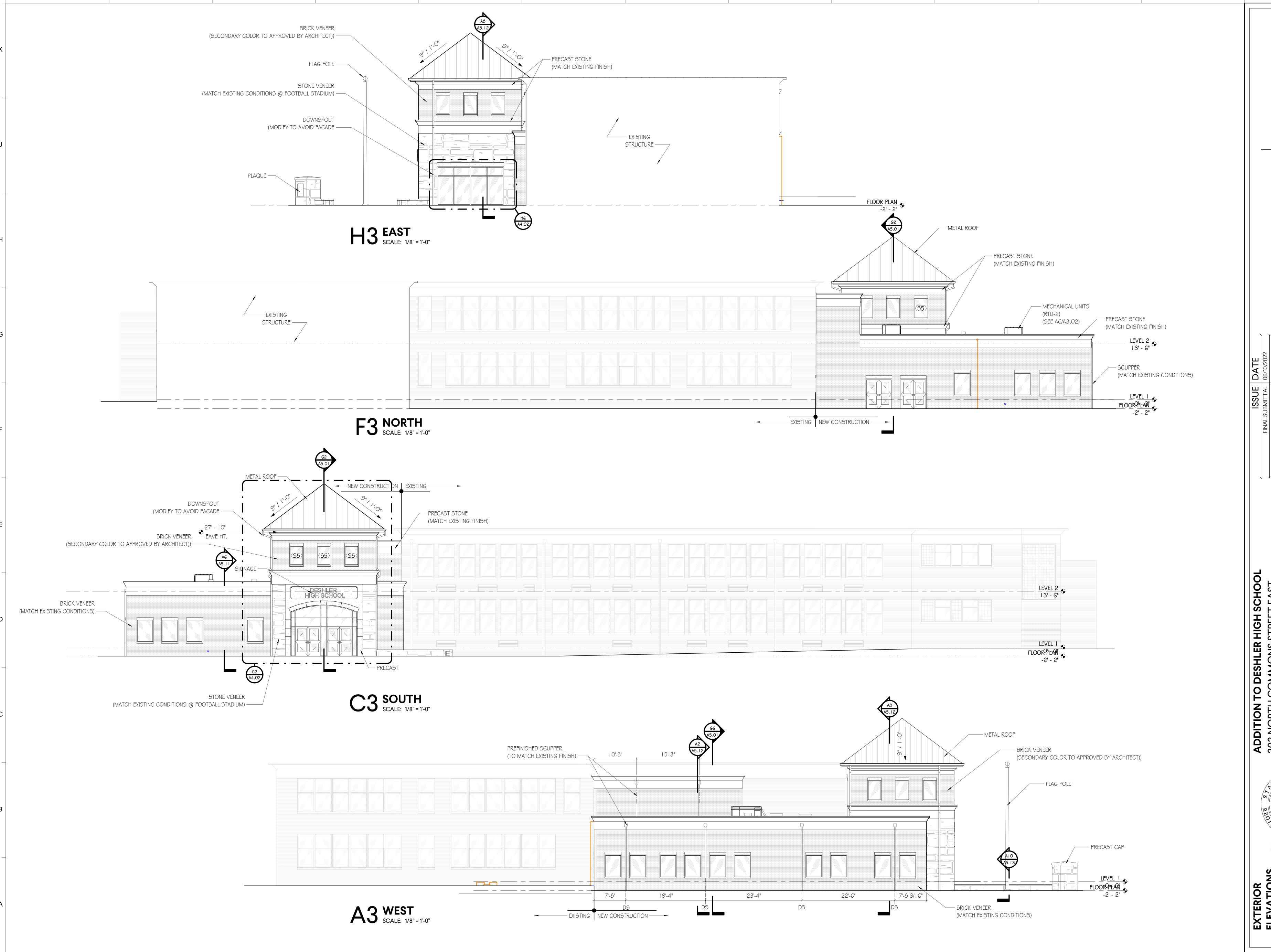
303 NORTH COMMONS STREET EAST,
TUSCUMBIA, AL. 35674

GMC # AHUN210012

DCM # 2022059

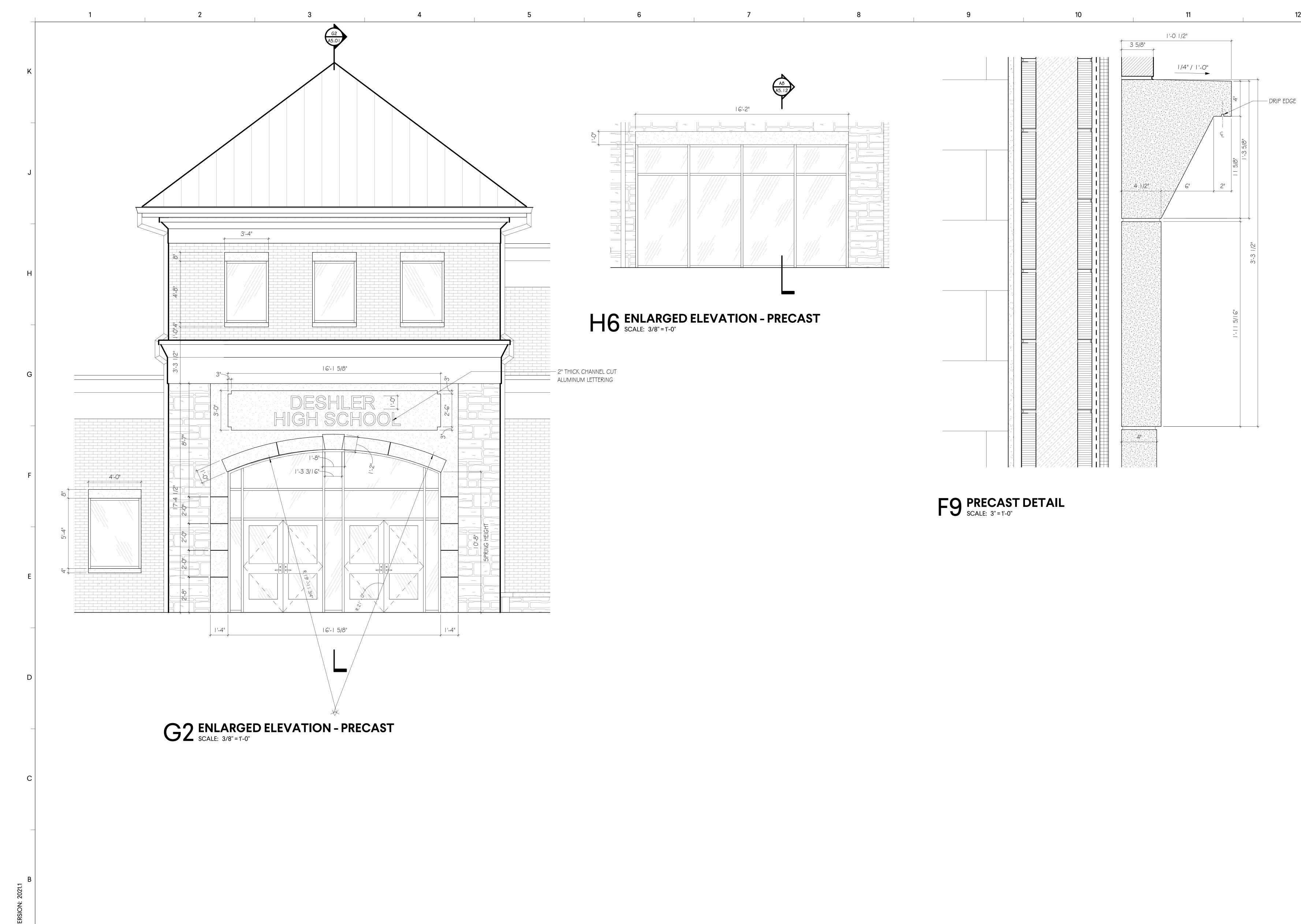
Robert M Littleton
6678
Owens Cross Roads,
Alabama
OG/10/22
Robut M. Littleton

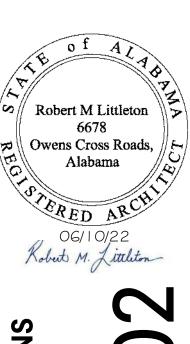
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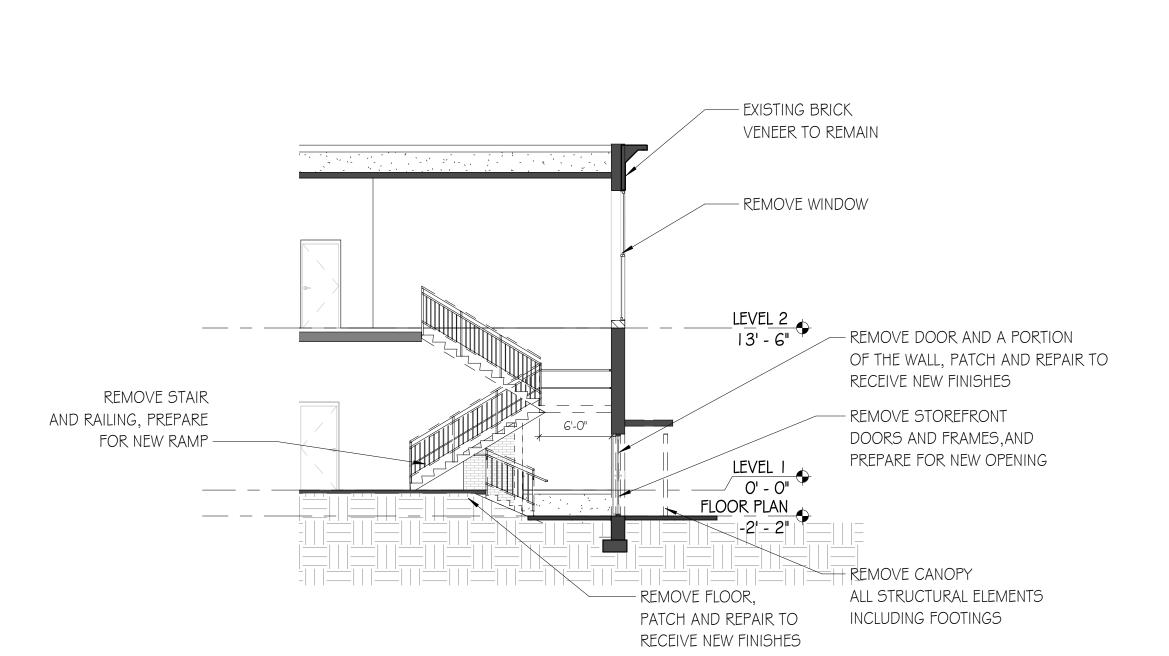
ADDITION TO DESHLER HIGH SCHOOL 303 NORTH COMMONS STREET EAST, TUSCUMBIA, AL. 35674

Robert M Littleton Owens Cross Roads,
Alabama

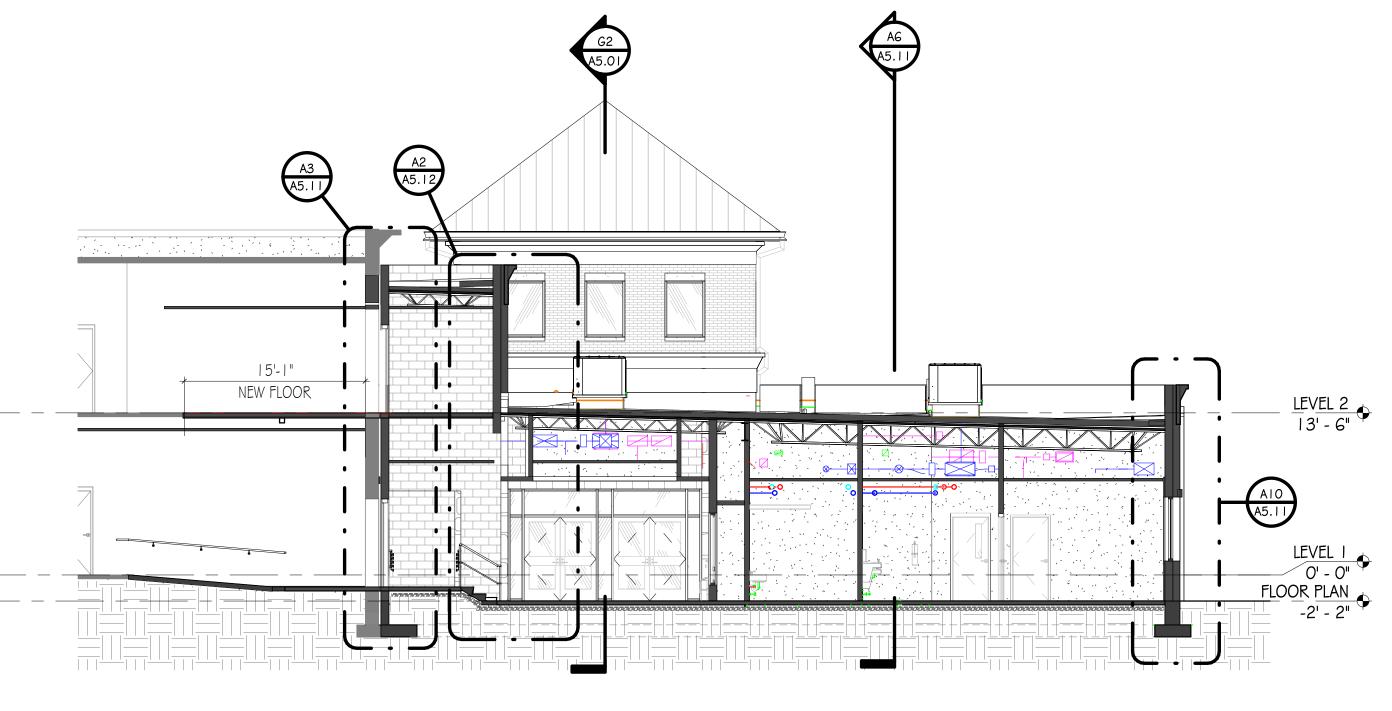




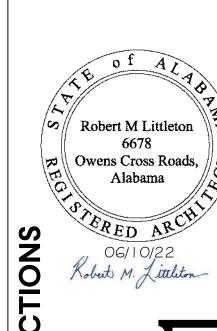
G2 BUILDING SECTION - LONG SCALE: 1/8" = 1'-0"

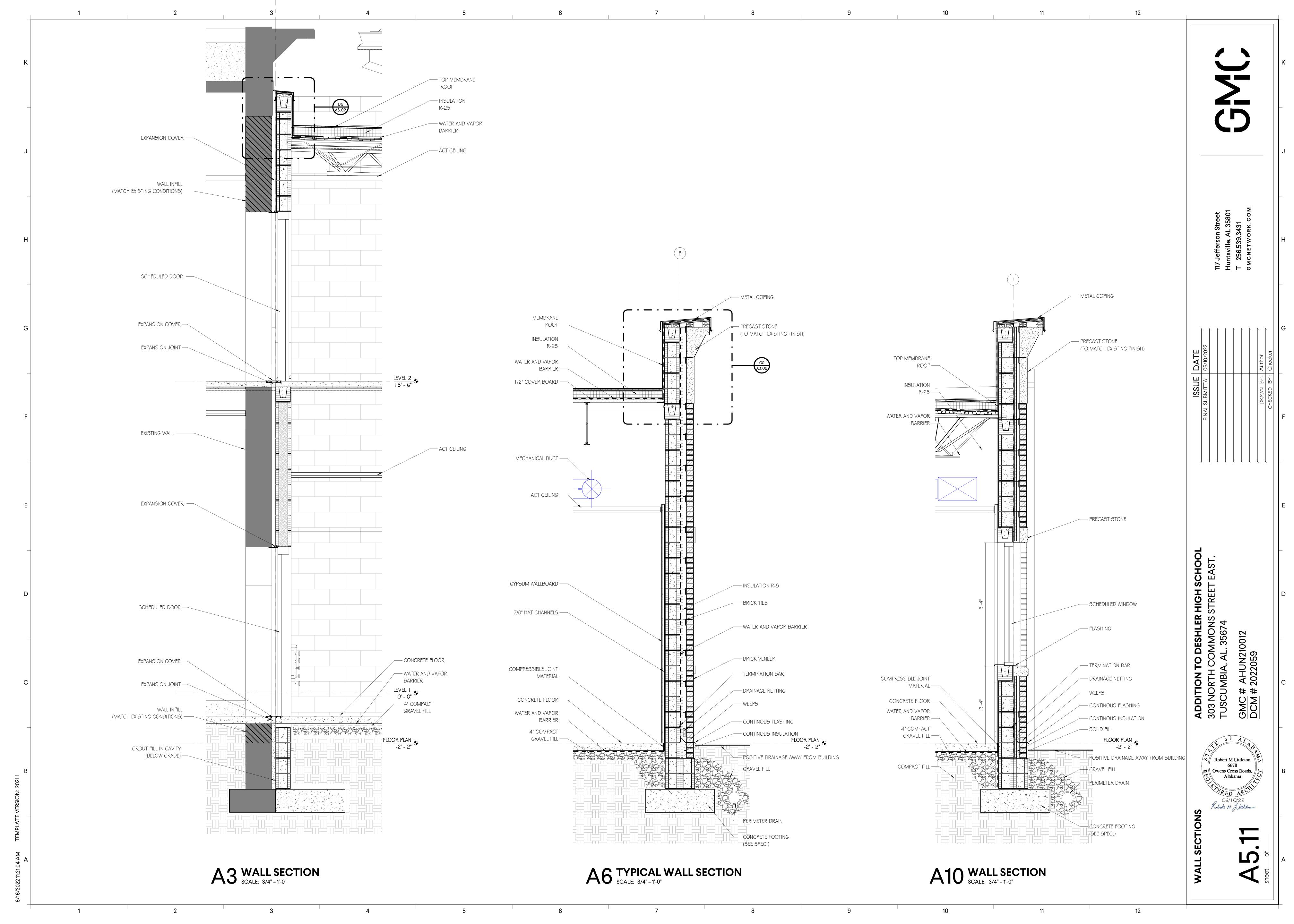


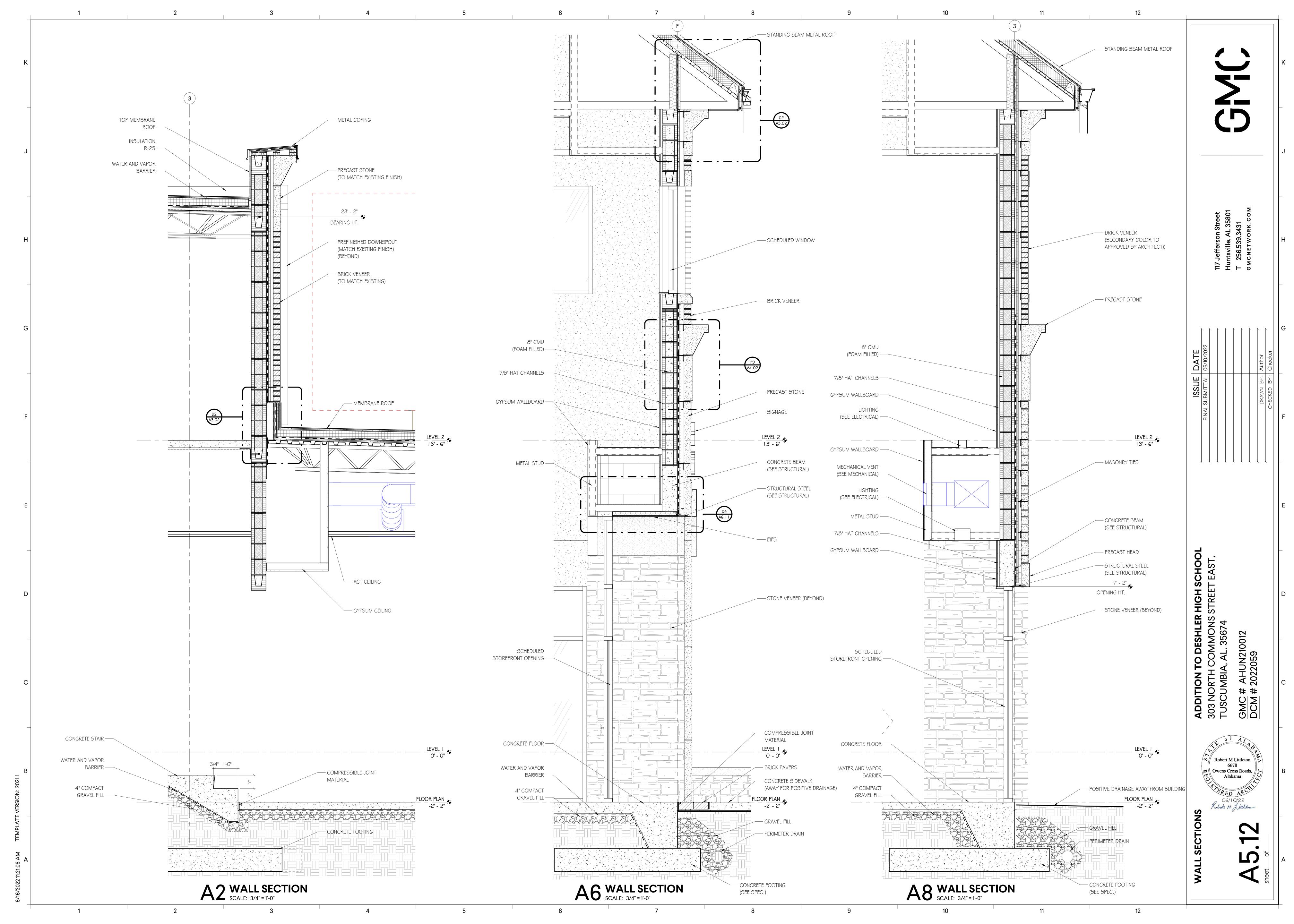
D2 BUILDING SECTION - DEMO SCALE: 1/8" = 1'-0"

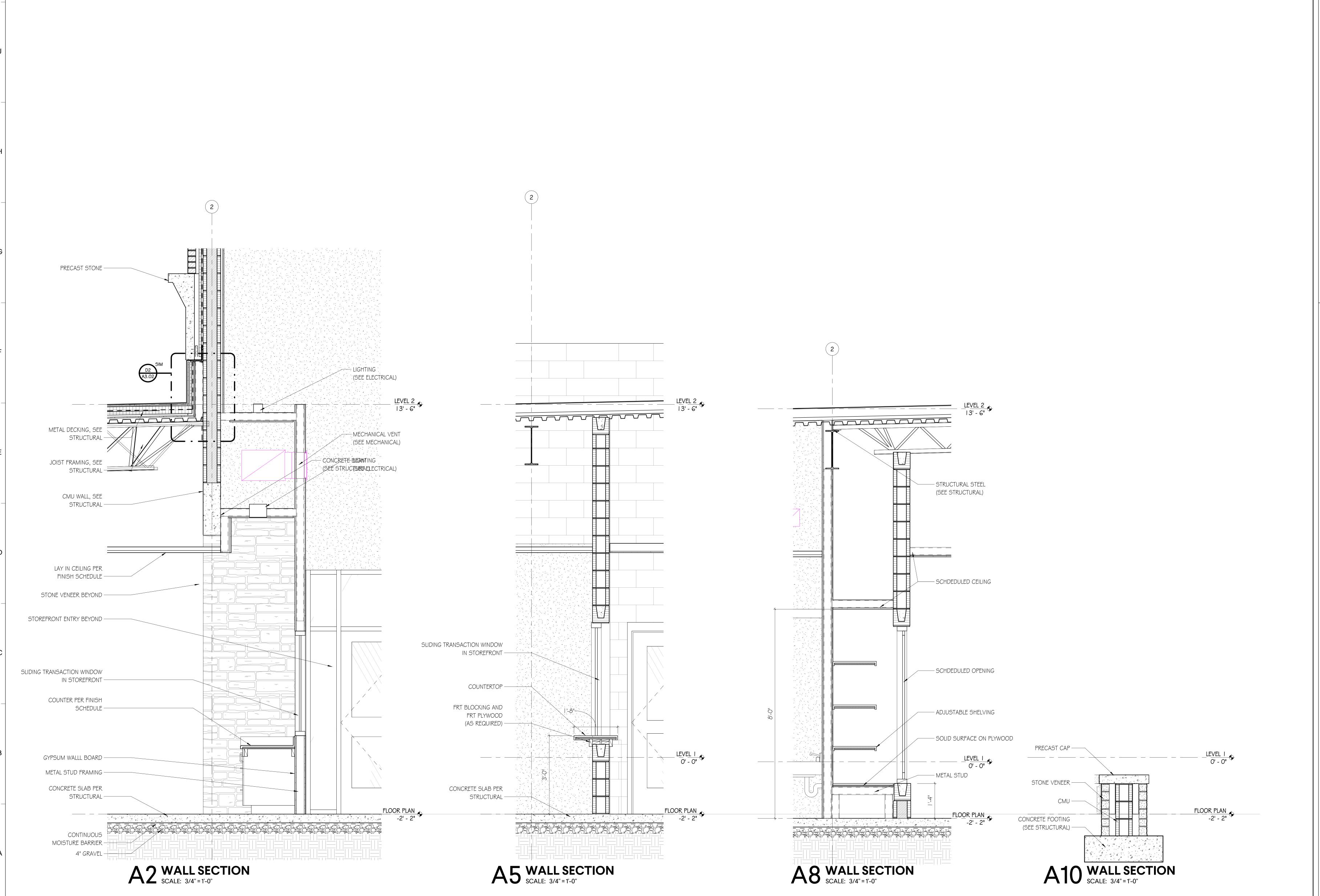


G6 BUILDING SECTION - TRANVERSE SCALE: 1/8" = 1'-0"

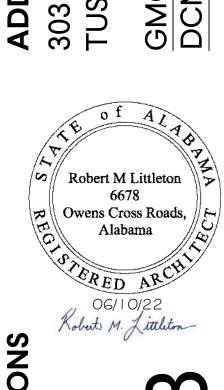






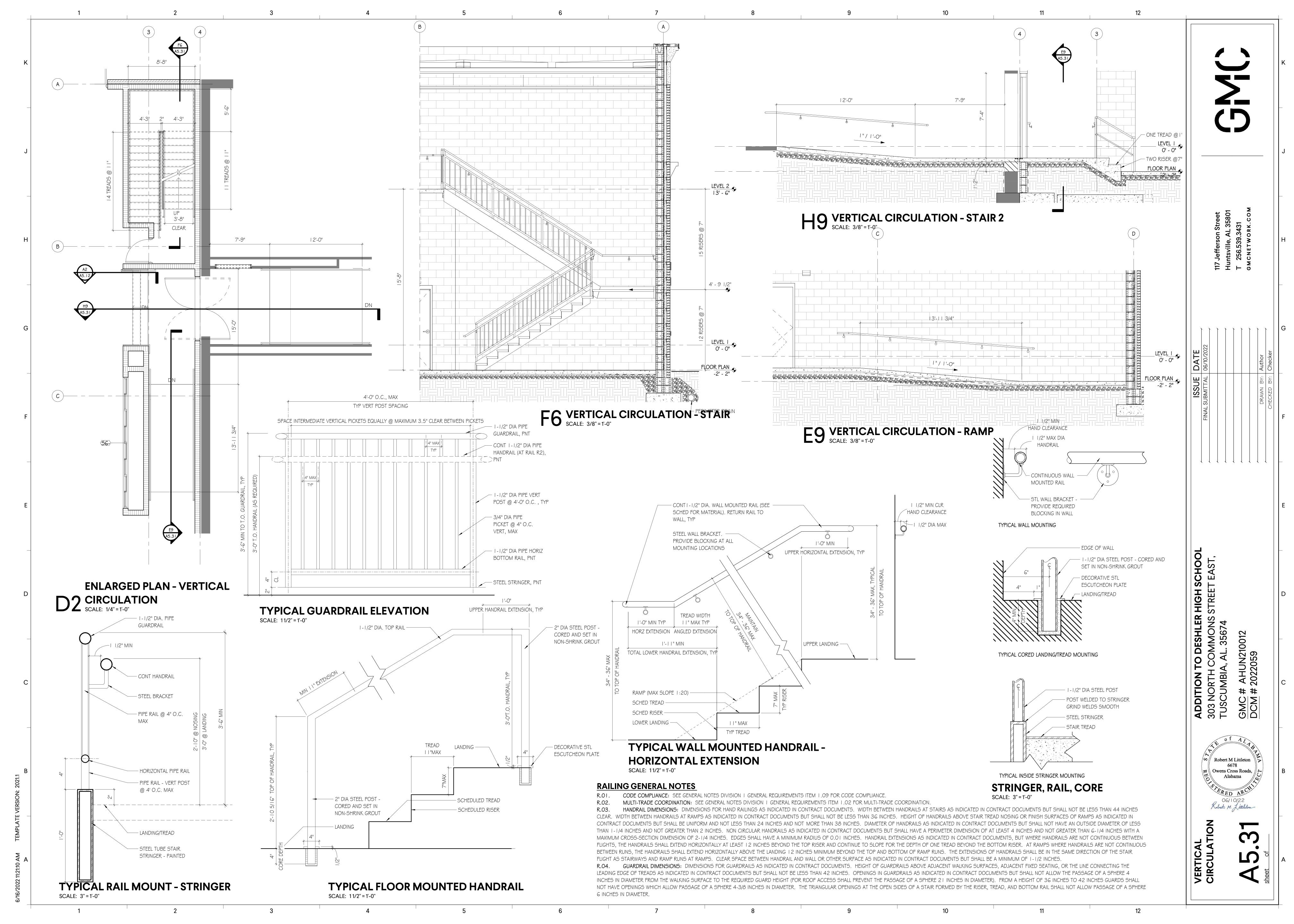


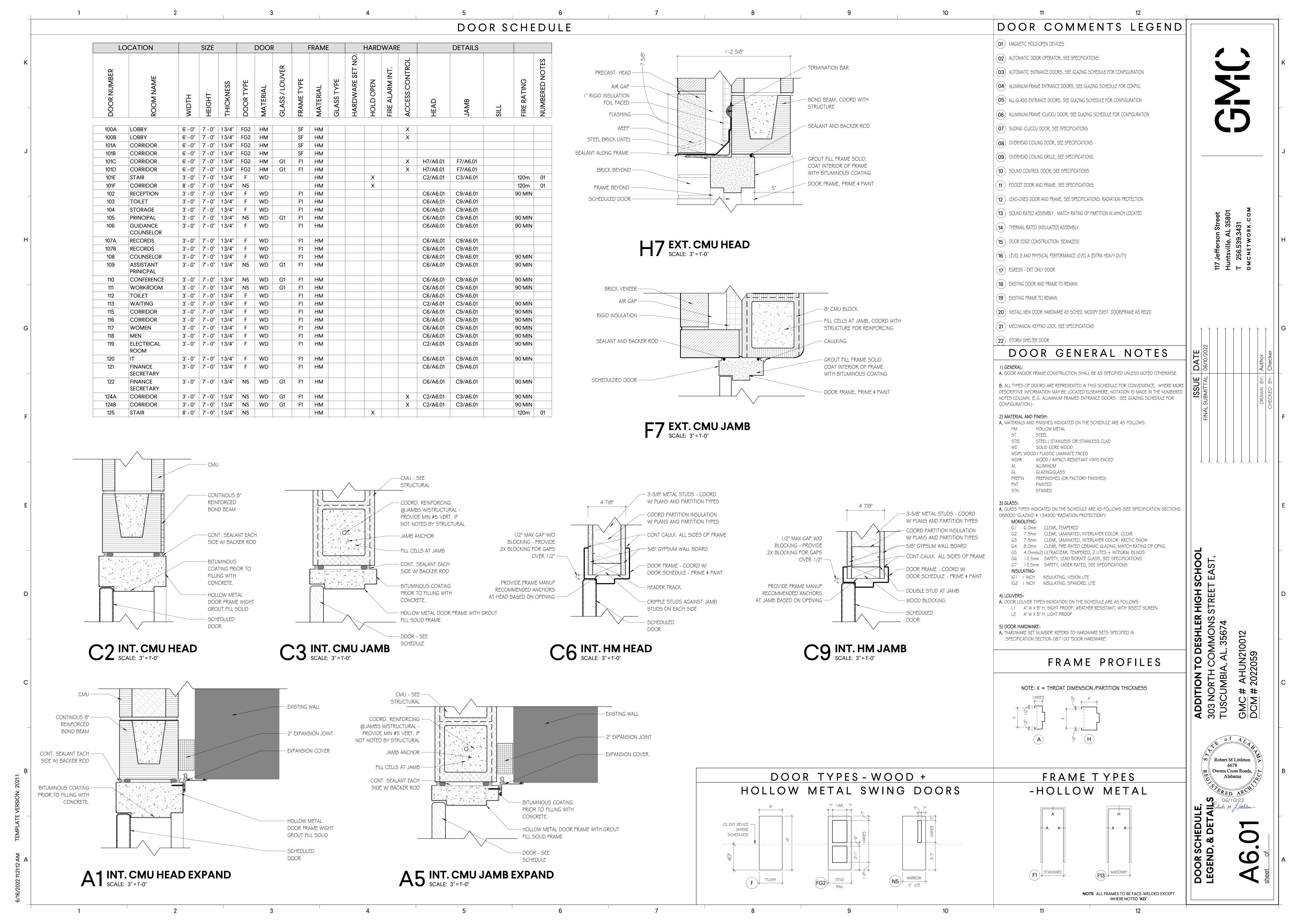
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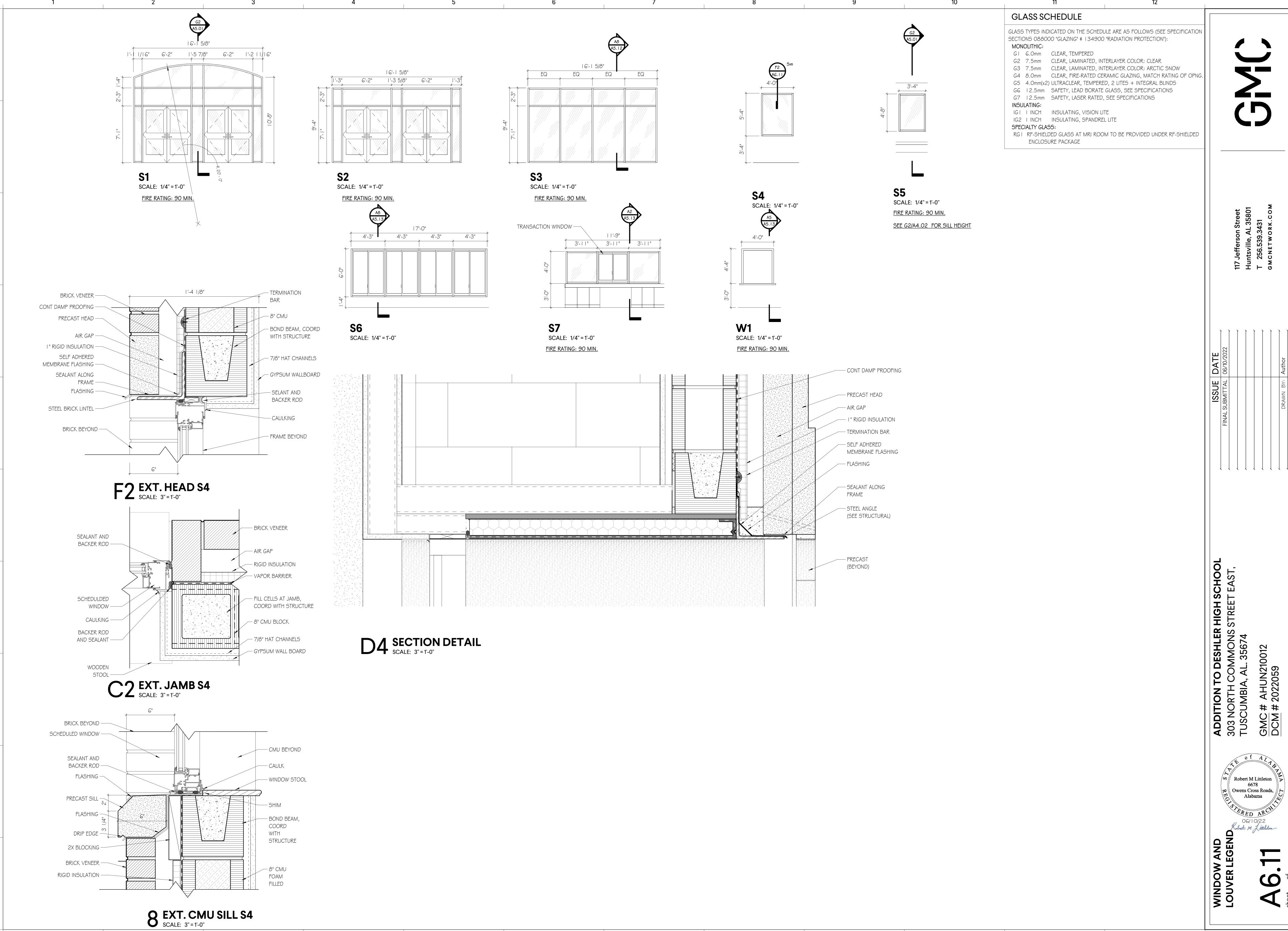


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Specific Street Stree









Robert M Littleton

ROOM FINISH SCHEDULE					
ROOM#	ROOM NAME	FLOOR	BASE	WALL	COMMENTS
100	LOBBY	LVT	RB-I	PNT-I	
101	CORRIDOR	LVT	RB-I	PNT-I	
102	RECEPTION	LVT	RB-I	PNT- I	
103	TOILET	HFT	HTB-I	PNT-I	
104	STORAGE	LVT	RB-I	PNT-I	
105	PRINCIPAL	LVT	RB-I	PNT-I	
106	GUIDANCE COUNSELOR	LVT	RB-I	PNT-I	
107	RECORDS	LVT	RB-I	PNT-I	
108	COUNSELOR	LVT	RB-I	PNT-I	
109	ASSISTANT PRINICPAL	LVT	RB-I	PNT-I	
110	CONFERENCE	LVT	RB-I	PNT-I	
111	WORKROOM	LVT	RB-I	PNT- I	
112	TOILET	HFT	HTB-1	PNT- I	
113	WAITING	LVT	RB-I	PNT- I	
114	NURSE	LVT	RB-I	PNT- I	
115	STORAGE	LVT	RB-I	PNT- I	
116	JANITOR	SC	RB-I	PNT-I	
117	WOMEN	HFT	HTB-I	PNT-I	
118	MEN	HFT	HTB-I	PNT-I	
119	ELECTRICAL ROOM	LVT	RB-I	PNT- I	
120	IT	LVT	RB-I	PNT-I	
121	SAFE	LVT	RB-I	PNT-I	
122	FINANCE SECRETARY	LVT	RB-I	PNT-I	
123	CORRIDOR	LVT	RB-I	PNT-I	
124	STAIR	5C			
125	STAIR				

### FINISH NOTES

REFER TO FINISH PLANS AND ELEVATIONS FOR LOCATION OF ACCENT PAINT COLORS.

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

ALL HOLLOW METAL DOOR AND WINDOW FRAMES TO BE PAINTED XXX, UNLESS OTHERWISE NOTED.

ALL RESILIENT TRANSITION STRIPS, SHALL BE COLOR XXX, UNLESS OTHERWISE NOTED ON DETAIL.

REFER TO RCP FOR ACCENT PAINT COLOR LOCATIONS.

WHERE HARD FLOOR TILE IS USED, CENTER PATTERN IN ROOM. ALIGN VERTICAL GROUT LINES OF WALL TILE THOSE IN FLOOR TILE.

GROUT COLORS TO BE DETERMINED DURING CONSTRUCTION.

INSTALL 3MM EDGE BAND ON ALL PLASTIC LAMINATE COUNTERTOPS TO MATCH COUNTERTOP LAMINATE COLOR. GC TO ALLOW ADEQUATE TIME FOR SPECIAL PRODUCTION RUN.

ALL ACCESS PANELS AND GRILLES TO BE PAINTED WALL OR CEILING COLOR, UNLESS OTHERWISE NOTED.

ALL WINDOWS TO HAVE XXX SILL, UNLESS OTHERWISE

SCHEDULE NOTES:

(AMEND AS REQUIRED) (AMEND AS REQUIRED) (AMEND AS REQUIRED)

## GENERAL NOTES

FURNITURE SHOWN FOR REFERENCE ONLY. NOT IN CONTRACT.

REFER TO FINISH LEGEND FOR PAINT COLORS CALLED OUT ON REFLECTED CEILING PLANS AND FINISH PLANS.

UNLESS OTHERWISE NOTED, ALL FLOOR TILE SHALL BE CENTERED IN ROOM.

UNLESS OTHERWISE NOTED, ALL CEILING GRID AND LIGHT FIXTURES SHALL BE CENTERED IN ROOM/OPENING.

CONTRACTOR TO REVIEW WITH ARCHITECT, ON SITE, AREAS WITH MULTIPLE CEILING, WALL, AND FLOOR FINISHES BEFORE FINISH WORK BEGINS.

REFER TO RCP LEGEND ON OVERALL REFLECTED CEILING PLANS FOR RCP ABBREVIATIONS AND FINISHES.

WALL TILE AND BASE GROUT LINES SHALL ALIGN WITH FLOOR TILE.

PROVIDE BLOCKING FOR GRAB BARS AND TOILET ACCESSORIES IN RESTROOMS.

FINIS	FINISH LEGEND				
FLOC	R				
NUMBER	TYPE	DETAIL DESCRIPTION			
HTF	HARD FLOOR TILE	MANUFACTURER:			
		STYLE NAME:			
		COLOR:			
		SIZE:			
		INSTALLATION:			
		GROUT:			
		LOCATION:			
LVT	LUXURY VINYL	MANUFACTURER:			
	TILE	STYLE NAME:			
		COLOR:			
		SIZE:			
		INSTALLATION:			
		LOCATION:			
SC	SEALED	MANUFACTURER:			
	CONCRETE	STYLE NAME:			

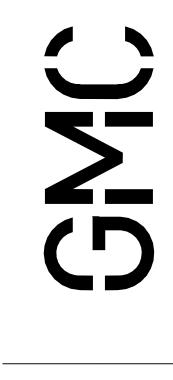
NUMBER	TYPE	DETAIL DESCRIPTION	
RB-I	RUBBER BASE	MANUFACTURER:	
		STYLE NAME:	
		COLOR:	
		SIZE:	
		INSTALLATION:	
		LOCATION: UNITS	
HTB-I	HARD TILE BASE	MANUFACTURER:	
		STYLE NAME:	
		COLOR:	
		SIZE:	
		LOCATION:	
WB-I	WOOD BASE	MANUFACTURER:	
		STYLE NAME:	
		COLOR:	
		SIZE:	
		LOCATION:	

COLOR:

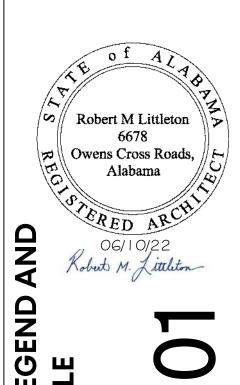
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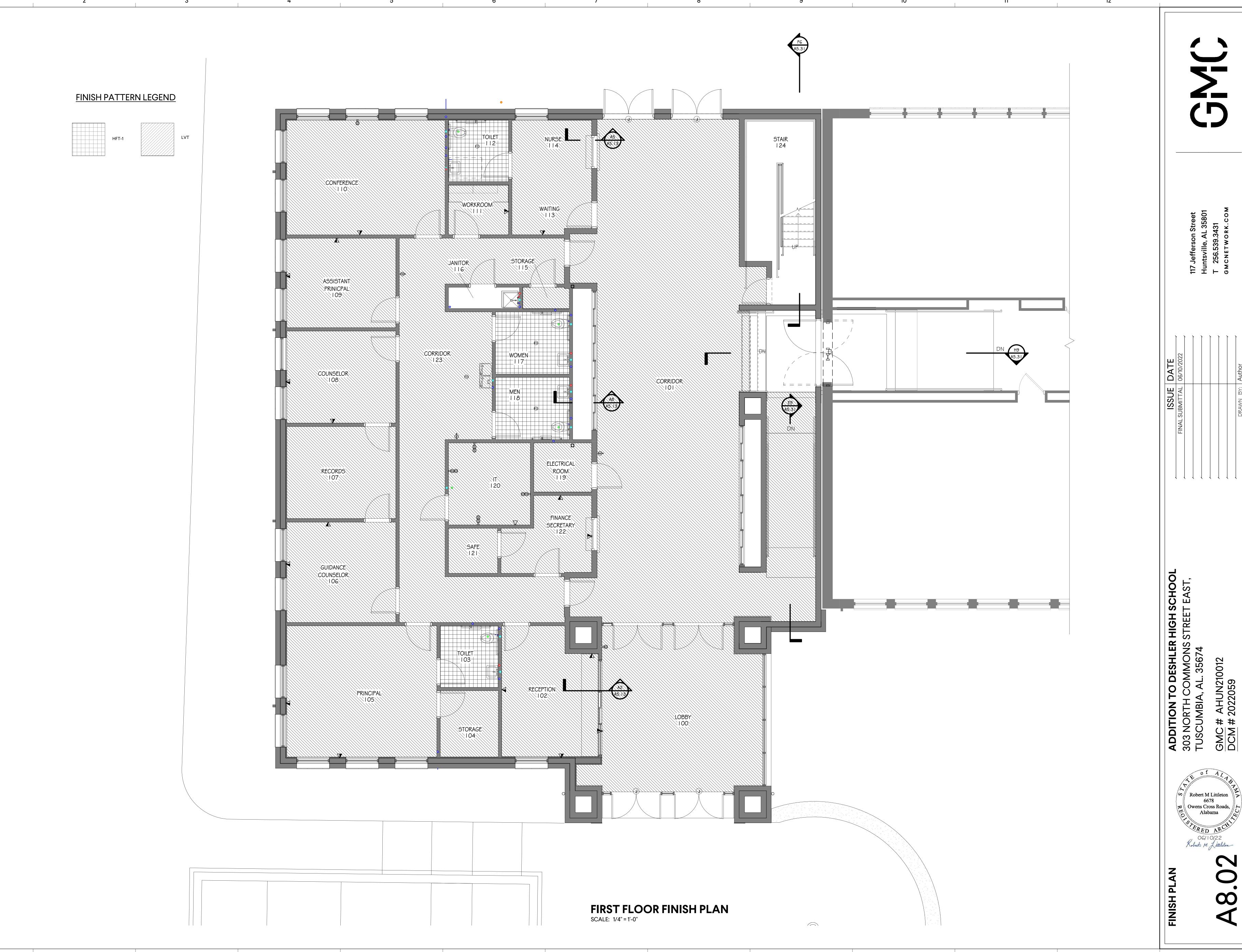
NUMBER	TYPE	DETAIL DESCRIPTION
PNT-I	[GENERAL/MAIN PAINT]	MANUFACTURER: COLOR: LOCATION:

NUMBER	TYPE	DETAIL DESCRIPTION
PL-#	PLASTIC	MANUFACTURER:
	LAMINATE [TYP.	STYLE NAME:
	FACE]	COLOR:
		LOCATION:
SS-#	SOLID SURFACE	MANUFACTURER:
		COLOR:
		THICKNESS:
		LOCATION:
TP-#	TOILET	MANUFACTURER:
	PARTITIONS	STYLE NAME:
		COLOR:
		LOCATION:

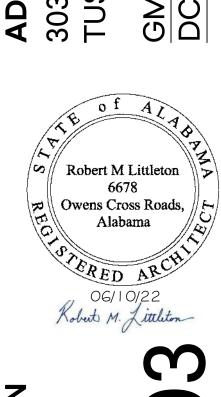


GMC # AHUN210012 DCM # 2022059	
303 NORTH COMMONS STREET EAS TUSCUMBIA, AL. 35674	





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



BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14).

C. STRUCTURAL STEEL: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-10). ALLOWABLE STRESS DESIGN (ASD)

D. STEEL JOISTS: STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST GIRDERS, STEEL JOIST INSTITUTE.

E. STEEL DECK: STEEL DECK INSTITUTE DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS, ROOF DECKS AND CELLULAR METAL FLOOR DECK WITH ELECTRICAL DISTRIBUTION.

1. BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-13). SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-13).

G. COLD-FORMED METAL FRAMING: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE.

2. THE GENERAL NOTES ARE NOT A SUBSTITUTE OR A REPLACEMENT FOR THE PROJECT SPECIFICATIONS. THESE NOTES ARE INTENDED AS A GUIDE TO THE DESIGN AND/OR CONSTRUCTION REQUIREMENTS ESTABLISHED FOR THIS PROJECT. NO CONTRACTOR SHOULD ATTEMPT TO DESIGN, BID, OR CONSTRUCT ANY PORTION OF THE WORK HEREIN WITHOUT CONSULTING THE PROJECT SPECIFICATIONS. THE MORE STRINGENT REQUIREMENT SHALL APPLY WHERE CONFLICTS OCCUR BETWEEN THESE NOTES AND THE SPECIFICATIONS, UNLESS A WRITTEN CLARIFICATION IS ISSUED BY THE STRUCTURAL

STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE DRAWINGS OF OTHER CONSULTANTS AND TRADES. THE CONTRACTOR SHALL COORDINATE THE VARIOUS REQUIREMENTS.

4. DO NOT SCALE THESE DRAWINGS.

ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS, UNLESS NOTED.

CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO FABRICATION/CONSTRUCTION. THE STRUCTURAL ENGINEER AND ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO FABRICATION/CONSTRUCTION.

FIREPROOFING OF STRUCTURAL ELEMENTS IS NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO THE DRAWINGS OF OTHER CONSULTANTS FOR SUCH INFORMATION.

2. SPECIAL INSPECTIONS:

1. SPECIAL INSPECTOR (SI) SHALL BE RETAINED AND PAID BY THE OWNER.

THE SPECIAL INSPECTOR SHALL BE FULLY QUALIFIED, APPROVED BY THE BUILDING OFFICIAL. REGISTERED BY APPLICABLE REGISTRATION BOARD IF REQUIRED. AND ACCEPTABLE TO THE ARCHITECT.

THE DUTIES OF THE SPECIAL INSPECTOR SHALL INCLUDE, BUT ARE NOT LIMITED TO. VERIFICATION OF CONSTRUCTION QUALITY CONTROL, TESTING, COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS, BUILDING CODE REQUIREMENTS, AND LOCAL BUILDING DEPARTMENT REQUIREMENTS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE PROPER NOTIFICATION TO THE SPECIAL INSPECTOR AND PROCEED WITH THE CONSTRUCTION ONLY AFTER THE SPECIAL INSPECTOR'S REVIEW AND APPROVAL.

SPECIAL INSPECTOR'S SHALL KEEP RECORDS OF ALL INSPECTIONS AND TESTING. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION OF REPORTS TO THE CODE OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CODE OFFICIAL AND THE DESIGN PROFESSIONAL OF RECORD. A FINAL REPORT OF INSPECTIONS DOCUMENTING COMPLETION OF ALL REQUIRED SPECIAL INSPECTION AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY. INTERIM REPORTS SHALL BE SUBMITTED PERIODICALLY WITH MINIMUM FREQUENCY OF TWO WEEKS.

SPECIAL INSPECTIONS ARE REQUIRED FOR, BUT NOT LIMITED TO, THE ACTIVITIES AS INDICATED IN SPECIFICATION 014100 AND SHEET S1.02 PER THE 2015 INTERNATIONAL BUILDING CODE.

FAILURE TO NOTIFY THE SPECIAL INSPECTOR MAY RESULT IN THE CONTRACTOR HAVING TO REMOVE WORK FOR THE PURPOSE OF INSPECTION AT THE CONTRACTOR'S EXPENSE.

PREMATURE NOTIFICATION FOR INSPECTIONS WILL RESULT IN AN ADDITIONAL INSPECTION WITH THE EXPENSES AND FEES PAID BY THE CONTRACTOR.

3. CONSTRUCTION AND SAFETY:

1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SAFETY REGULATIONS, PROGRAMS, AND PRECAUTIONS TO ALL WORK, PERSONS, AND PROPERTY ON AND/OR ADJACENT TO THE PROJECT AND SHALL PROTECT AGAINST ANY DAMAGE, INJURY, OR LOSS.

MEANS AND METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIALS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURE. SUCH LOADS SHALL NOT EXCEED THE DESIGN LOAD OF THE STRUCTURE AT ANY TIME.

4. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION, AND ANY TEMPORARY BRACING OR SUPPORT REQUIRED TO ACCOMMODATE THE CONTRACTOR'S MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

4. SUBMITTALS:

ALL SHOP DRAWINGS MUST BE REVIEWED FOR "APPROVAL" AND STAMPED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL.

SUBMIT EACH SET OF SHOP DRAWINGS DIGITALLY. A DIGITAL COPY WILL BE RETURNED.

THE GENERAL CONTRACTOR SHALL SUBMIT FOR ENGINEER REVIEW SHOP DRAWINGS FOR THE FOLLOWING ITEMS. ITEMS MARKED (\*) SHALL HAVE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED. ITEMS MARKED (#) SHALL BE SUBMITTED FOR ENGINEER 'S RECORD ONLY.

A. STRUCTURAL STEEL

B. STEEL JOISTS C. REINFORCING STEE

D. STEEL STAIRS E. STEEL DECK

F. CONCRETE MIX DESIGNS G. SHOP FABRICATED COLD-FORMED METAL TRUSSES (\*)

4. DESIGN CALCULATIONS: THE GENERAL CONTRACTOR SHALL SUBMIT FOR ENGINEER'S REVIEW TWO SETS OF DESIGN CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED, FOR THE FOLLOWING ITEMS:

A. STEEL JOISTS

B. STEEL STAIRS

C. STEEL CONNECTIONS E. SHOP FABRICATED COLD-FORMED METAL TRUSSES

5. DESIGN LOADS:

DEAD LOADS: ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE GENERAL CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE STRUCTURE.

LIVE LOADS: LIVE LOAD REDUCTIONS HAVE BEEN APPLIED TO THE STRUCTURAL MEMBERS IN ACCORDANCE WITH THE BUILDING CODE (PSF). ROOF------20

SNOW LOAD: A. GROUND SNOW LOAD (Pg.)-----10 PSF B. IMPORTANCE FACTOR (I)-----1.0 C. EXPOSURE FACTOR (Ce)-----1.0 D. THERMAL FACTOR (Ct)-----1.0 E. FLAT ROOF SNOW LOAD (MONOSLOPE ROOF)-----12 PSF F. FLAT ROOF SNOW LOAD (GABLE ROOF)-----7 PSF

4. WIND LOADS: A. ULTIMATE WIND SPEED (3-SECOND GUST)-----115 MPH B. RISK CATEGORY-----II C. WIND EXPOSURE------C D. INTERNAL PRESSURE COEFFICIENT-----+/- 0.18

COMPONENTS AND CLADDING WIND SERVICE PRESSURES: A. DISTANCE A - 12.0 FEET

B. WALL PRESSURES: END ZONES (REGIONS WITHIN DISTANCE "A" OF WALL EDGE) EFFECTIVE WIND AREA ≤ 10 SQ FT.----23.2 PSF EFFECTIVE WIND AREA = 20 SQ FT.----21.7 PSF EFFECTIVE WIND AREA = 50 SQ FT.----19.5 PSF EFFECTIVE WIND AREA = 100 SQ FT.---18.1 PSF EFFECTIVE WIND AREA = 200 SQ FT.---16.6 PSF EFFECTIVE WIND AREA ≥ 500 SQ FT.---14.4 PSF INTERIOR ZONES (REGIONS OTHER THAN END ZONES):

EFFECTIVE WIND AREA ≤ 10 SQ FT.----18.8 PSF

EFFECTIVE WIND AREA = 20 SQ FT.---18.1 PSF

EFFECTIVE WIND AREA = 50 SQ FT.---17.3 PSF

EFFECTIVE WIND AREA = 100 SQ FT.---15.9 PSF

EFFECTIVE WIND AREA = 200 SQ FT.---15.1 PSF

EFFECTIVE WIND AREA ≥ 500 SQ FT.---14.4 PSF C. ROOF PRESSURES: CORNER ZONES (REGIONS WITHIN "A" DISTANCE OF TWO INTERSECTING

ROOF EDGES): EFFECTIVE WIND AREA ≤ 10 SQ FT.----43.7 PSF EFFECTIVE WIND AREA = 20 SQ FT.---36.4 PSF EFFECTIVE WIND AREA = 50 SQ FT.---26.1 PSF EFFECTIVE WIND AREA = 100 SQ FT.---18.8 PSF EFFECTIVE WIND AREA = 200 SQ FT.---18.8 PSF EFFECTIVE WIND AREA ≥ 500 SQ FT.---18.8 PSF EDGE ZONES (REGIONS WITHIN "A" DISTANCE OF ROOF EDGE) EFFECTIVE WIND AREA ≤ 10 SQ FT.----29.1 PSF EFFECTIVE WIND AREA = 20 SQ FT.---26.1 PSF EFFECTIVE WIND AREA = 50 SQ FT.----21.7 PSF EFFECTIVE WIND AREA = 100 SQ FT.---18.8 PSF EFFECTIVE WIND AREA = 200 SQ FT.---18.8 PSF EFFECTIVE WIND AREA ≥ 500 SQ FT.---18.8 PSF INTERIOR ZONES (REGIONS THAT ARE NOT EDGE OR CORNER ZONES): EFFECTIVE WIND AREA ≤ 10 SQ FT.----17.3 PSF EFFECTIVE WIND AREA = 20 SQ FT.----17.0 PSF EFFECTIVE WIND AREA = 50 SQ FT.----16.6 PSF EFFECTIVE WIND AREA = 100 SQ FT.---15.9 PSF EFFECTIVE WIND AREA = 200 SQ FT.---15.9 PSF

EFFECTIVE WIND AREA ≥ 500 SQ FT.---15.9 PSF

5. SEISMIC LOADS: A. SEISMIC IMPORTANCE FACTOR (Ie)-----1.0 B. MAPPED SPECTRAL RESPONSE ACCELERATIONS: \$1-----0.143 C. SITE CLASS-----D D. SPECTRAL RESPONSE COEFFICIENTS: Sd1-----0.213 E. SEISMIC DESIGN CATEGORY-----B F. BASIC SEISMIC-FORCE RESISTING SYSTEMS: ORDINARY REINFORCED MASONRY SHEAR WALLS G. DESIGN BASE SHEAR:-----41 KIPS H. SEISMIC RESPONSE COEFFICIENT (Cs)------0.156 I. RESPONSE MODIFICATION FACTOR (R)-----2.0 J. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE METHOD

6. FOUNDATION NOTES:

 GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT BY GOODWYN MILLS CAWOOD TITLED, "DESHLER HIGH SCHHOL ADDITION AND RENOVATION REPORT OF GEOTECHINICAL EXPLORATION, GMC PROJECT GHUN220003. THE GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT FROM THE OWNER AND FOLLOW ALL REQUIREMENTS WITHIN THE RECOMMENDATIONS SECTION.

MAXIMUM BEARING PRESSURES (PSF):

3. ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE THEIR COMPLIANCE WITH PRESSURES NOTED. ALL BOTTOM ELEVATIONS ARE ESTIMATED AND MAY BE ADJUSTED IN THE FIELD BY THE GEOTECHNICAL ENGINEER.

4. ALL AREAS TO HAVE SLABS ON GRADE SHALL BE PROOF ROLLED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT UNDER OBSERVATION OF THE GEOTECHNICAL ENGINEER AND APPROVED PRIOR TO PREPARATION FOR CONCRETE PLACEMENT.

COMPACTED FILL WITHIN THE BUILDING AREA SHALL MEET THE REQUIREMENTS NOTED IN THE GEOTECHNICAL REPORT.

BACKFILL FOR FOUNDATION AND RETAINING WALLS SHALL BE A FREE DRAINING GRANULAR MATERIAL, SUCH AS SIZE #57 STONE. BACKFILL SHALL BE COMPACTED SUFFICIENTLY TO PREVENT SUBSIDENCE OF SURFACE ADJACENT TO WALL. THE GRANULAR MATERIAL SHALL BE PLACED IN A 45 DEGREE WEDGE EXTENDING FROM THE BASE OF THE WALL UP TO GRADE.

7. CONCRETE NOTES:

1. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS:

3000 PSI --- NORMAL WT. --- FOOTINGS, SLAB ON GRADE 4000 PSI --- NORMAL WT. --- SLAB ON METAL DECK

EARTH SUPPORTED SLABS: 4" THICK, REINFORCED WITH

6X6 W2.9/W2.9 WWF AT TOP THIRD OF SLAB UNLESS NOTED.

PEDESTAL AND WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION

WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING.

4. CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.

8. CONCRETE REINFORCING STEEL NOTES:

1. REINFORCING BARS: ASTM A615 GRADE 60.

WELDED WIRE REINFORCEMENT (R): ASTM A185. MINIMUM LAP AND EMBEDMENT TO BE

THE GREATER OF ONE CROSS WIRE SPACING PLUS 2 INCHES OR 6 INCHES. 3. REINFORCING STEEL SHOWN IN SECTIONS IS A SCHEMATIC INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.

4. REINFORCING BAR PLACING ACCESSORIES IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS.

DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI 315. REINFORCEMENT SHALL NOT BE WELDED UNLESS NOTED OR APPROVED BY THE ENGINEER.

6. ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

7. CONCRETE COVERAGE OF REINFORCEMENT:

WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

FOOTINGS-----3" BOTTOM & SIDES, 2" TOP 8. FIELD BENDING OF CONCRETE REINFORCING STEEL IS NOT PERMITTED WITHOUT

9. STRUCTURAL STEEL NOTES:

STRUCTURAL STEEL: ASTM A992 FOR WIDE FLANGE SHAPES; ASTM A36 ELSEWHERE, UNLESS NOTED.

HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE B.

3. WELDED CONNECTIONS: E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16".

4. HEADED ANCHOR RODS: ASTM F1554 GRADE 55 AND HEAVY HEX NUT, UNLESS NOTED.

HEADED STUDS: ASTM A108, GRADE 1015 OR 1020, COLD-FINISHED CARBON STEEL WITH DIMENSIONS COMPLYING WITH AISC.

BOLTED CONNECTIONS: BEARING TYPE A325-N IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". BOLTS THROUGH 4" WIDE BEAM FLANGES SHALL BE 5/8" DIAMETER. OTHER BOLTS SHALL BE 3/4" DIAMETER. USE SNUG TIGHT BEARING CONNECTIONS FOR ALL OTHER BOLTED CONNECTIONS.

7. BOLTS SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC INDICATION THAT BOLTS MAY BE USED. ACTUAL NUMBER, UNLESS SPECIFIED, TO BE IN ACCORDANCE WITH AISC.

8. ALL COMPOSITE/NON-COMPOSITE BEAM CONNECTIONS SHALL BE "SIMPLE SHEAR CONNECTIONS" UNLESS NOTED.

FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."

10. WHERE STEEL BEAMS ARE CONTINUOUS OVER COLUMNS, PROVIDE WEB STIFFENER PLATES EACH SIDE OF BEAM WEB, OF THICKNESS EQUAL TO BEAM FLANGE THICKNESS, LOCATED IN ALIGNMENT WITH COLUMN WEB OR FLANGES OR CENTER LINE OF TUBES AND PIPE COLUMNS.

11. THE STEEL FRAME IS "NON-SELF-SUPPORTING." ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR

12. WHERE BEAM REACTIONS ARE SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL DEVELOP THE REACTIONS SHOWN. WHERE CONNECTIONS ARE SUBJECT TO ECCENTRICITY, SUCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING AND DETAILING THE CONNECTION.

13. ALL BEAM CONNECTIONS SHALL BE DESIGNED FOR AN AXIAL LOAD OF 5% OF THE BEAM REACTION UNLESS NOTED.

10. STEEL JOIST NOTES:

ELEMENTS ARE IN PLACE.

DESIGN, FABRICATE, AND ERECT STEEL JOISTS IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE.

PROVIDE A MINIMUM END BEARING ON STEEL SUPPORTS AS REQUIRED BY STEEL JOIST INSTITUTE. STAGGER THE ENDS OF JOIST IF NECESSARY AND GENERAL

CONTRACTOR COORDINATE METAL DECK SPLICE LOCATION TO CENTER OVER JOIST.

PROVIDE HORIZONTAL AND DIAGONAL BRIDGING IN ACCORDANCE WITH SJI TO PROVIDE ADEQUATE JOIST CHORD BRACING.

4. AT JOISTS PARALLEL TO BEAMS, ANCHOR BRIDGING ROWS BY WELDING TO BEAMS.

11. STEEL DECK NOTES:

1. DECK PROPERTIES AND ATTACHMENTS SHALL BE IN ACCORDANCE WITH THE STEEL

DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS

ROOF DECK: AT STEEL JOISTS: WIDE RIB TYPE "WR", STEEL ROOF DECK, 22 GAGE, 1-1/2" DEEP, ATTACH TO SUPPORTS WITH #12 TEK SCREWS ON A 36/4

PATTERN W/(4)#10 TEK SCREW SIDELAP FASTENERS PER SPAN.GALVANIZED. AT LIGHT GAUGE TRUSSES: WIDE RIB TYPE "WR", STEEL ROOF DECK, 22 GAGE, 1-1/2" DEEP. ATTACH TO SUPPORTS WITH #12 TEK SCREWS ON A 36/4

PATTERN W/(4)#10 TEK SCREW SIDELAP FASTENERS PER SPAN.GALVANIZED.

LIGHTGAGE METAL FRAMING. SUSPENDED CEILINGS. LIGHT FIXTURES AND DUCTS OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE METAL ROOF DECK.

COMPOSITE FLOOR DECK:

A. 5" THICK CONCRETE SLAB ON STEEL COMPOSITE FLOOR DECK. DECK SHALL CONFORM TO 2" VLI GALV 18 GA. AS MANUFACTURED BY VULCRAFT OR APPROVED EQUAL.

B. REINFORCE SLAB WITH #4@12 SUPPORTED BY "UPPERCONTINUOUS HIGH CHAIRS" OVER BEAMS AND GIRDERS TO MAINTAIN 1" COVERAGE OF REINFORCEMENT. DECK SHALL BE WELDED TO SUPPORTS WITH A 5/8" DIAMETER PUDDLE WELD OR EQUIVALENT AT ALL EDGE RIBS PLUS A SUFFICIENT NUMBER OF INTERIOR RIBS TO PROVIDE A MAXIMUM AVERAGE SPACING OF 12 INCHES. THE MAXIMUM SPACING BETWEEN ADJACENT POINTS OF ATTACHMENT SHALL

NOT EXCEED 18 INCHES. D. DECK UNITS WITH SPANS GREATER THAN FIVE FEET SHALL HAVE SIDE LAPS AND PERIMETER EDGES FASTENED AT MIDSPAN OR 36" O.C. - WHICHEVER IS SMALLER.

DO NOT SHORE DECK DURING CONCRETE PLACEMENT.

13. PREFABRICATED COLD-FORMED METAL TRUSS NOTES:

STRUCTURAL PROPERTIES OF TRUSS MEMBERS SHALL BE COMPUTED IN ACCORDANCE WITH AISI "NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".

THE TRUSS FABRICATOR IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL PREFABRICATED COLD-FORMED METAL TRUSS FRAMING AND SHALL RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE ENGINEER SHALL SEAL AND SIGN BOTH CALCULATIONS AND SHOP

THE TRUSS MANUFACTURER SHALL DESIGN FOR THE FOLLOWING SUPERIMPOSED LOADS (IN ADDITION TO ANY LOADS NOTED ON THE STRUCTURAL DRAWINGS OR OTHER CONSULTANTS/TRADES DRAWINGS):

TOP CHORD DEAD LOAD------15 PSF BOTTOM CHORD DEAD LOAD-----10 PSF TOP CHORD LIVE LOAD-----20 PSF

SUBMIT CALCULATIONS AND SHOP DRAWINGS FOR DETAILS FABRICATION, AND ERECTION OF COLD-FORMED METAL TRUSS FRAMING. DRAWINGS SHALL INCLUDE LAYOUT, SPACING, TYPE, MATERIAL/MEMBER PROPERTIES, TEMPORARY BRACING, PERMANENT BRACING, AND ALL DETAILS OF CONNECTIONS FOR ALL COLD-FORMED METAL TRUSS FRAMING INDICATED ON THE STRUCTURAL DRAWINGS.

SHOP DRAWINGS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR PRIOR TO SUBMISSION. DRAWINGS SHALL BEAR THE CONTRACTOR'S APPROVAL STAMP ACCEPTING RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, AND COORDINATION WITH THE OTHER TRADES.

ALL TEMPORARY AND PERMANENT BRACING MEMBERS AND CONNECTIONS REQUIRED FOR PREFABRICATED COLD-FORMED METAL TRUSSES SHALL BE DESIGNED AND DETAILED ON THE TRUSS MANUFACTURER'S ERECTION PLANS. BRACING MEMBERS SHALL BE

FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR. 7. TEMPORARY BRACING SHALL NOT IMPOSE ANY FORCE ON THE SUPPORTING STRUCTURE. PERMANENT BRACING FORCES SHALL BE TRANSFERRED TO THE ROOF DIAPHRAGM BY THE BRACING DESIGN PROVIDED BY THE TRUSS MANUFACTURER.

14. MASONRY NOTES:

ALL 12" CMU THAT IS PART OF THE STORM SHELTER.

UNDER "CONCRETE" IN THE GENERAL NOTES.

MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530.1 SPECIFICATION.

COMPRESSIVE STRENGTH OF MASONRY (f'm) SHALL BE 2000 PSI AT 28 DAYS, TYPICAL.

3. COMPRESSIVE STRENGTH OF MASONRY (f'm) SHALL BE 2500 PSI AT 28 DAYS FOR

4. MASONRY GROUT FILL SHALL CONFORM TO ASTM C 476. GROUT EITHER FINE (SAND) OR COURSE (SAND + #76 STONE) AGGREGATE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 2500 PSI. MASONRY CONCRETE FILL SHALL CONFORM TO THE REQUIREMENTS NOTED

A. ALL BOND BEAMS SHALL BE FILLED WITH GROUT AND REINFORCED AS

INDICATED ON THE DRAWINGS (DETAILS OR SCHEDULES). MORTAR FILL IS NOT PERMITTED. B. ALL MASONRY WALL CELLS OR CAVITIES INDICATED AS REINFORCED SHALL BE GROUTED FOR THE FULL HEIGHT OF THE WALL, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. UN-REINFORCED WALLS INDICATED AS GROUTED SHALL BE GROUTED FULL HEIGHT, UNLESS SPECIFICALLY NOTED

OTHERWISE. MORTAR FILL IS NOT PERMITTED. C. ALL MASONRY CELLS OR CAVITIES BELOW GRADE SHALL BE GROUTED SOLID UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. MORTAR FILL IS NOT PERMITTED.

1. LOW LIFT GROUTING SHALL BE USED FOR ALL CAVITY WALLS AND MAY BE USED FOR ALL WALLS AT THE OPTION OF THE CONTRACTOR. LIFTS SHALL NOT EXCEED 4'0" IN HEIGHT. 2. HIGH LIFT GROUTING IS PERMISSIBLE ONLY FOR FILLING OF CELLULAR MASONRY UNITS AND SHALL NOT EXCEED ONE STORY IN HEIGHT. CLEAN

D. VERTICAL GROUTING SHALL BE LOW LIFT OR HIGH LIFT AS FOLLOWS:

OUT HOLES SHALL BE PROVIDED AT THE BASE OF EACH GROUTED CELL. MORTAR SHALL CONFORM TO ASTM C 270. MORTAR SHALL BE TYPE "M" FOR BELOW GRADE APPLICATIONS AND TYPE "S" FOR ABOVE GRADE APPLICATIONS AND SHALL HAVE A

28-DAY COMPRESSIVE STRENGTH 1900 PSI. 7. ALL MASONRY SHALL BE RUNNING BOND, UNLESS NOTED.

OR GROUT.

8. ALL BLOCK CELLS AND CAVITIES BELOW GRADE SHALL BE FILLED WITH CONCRETE

9. ALL INTERIOR PARTITION WALLS SHALL HAVE A 8" DEEP BOND BEAM WITH 1#5 CONTINUOUS TOP AND BOTTOM AT THE TOP OF THE WALL, UNLESS NOTED OTHERWISE IN DRAWINGS.

A. ALL BARS MARKED "CONTINUOUS" SHALL BE LAPPED A MINIMUM OF 48 BAR DIAMETERS AT ALL SPLICES. UNLESS NOTED OTHERWISE, ALL WALL/FOOTING DOWELS SHALL BE LAPPED 48 BAR DIAMETERS OR 34", WHICHEVER IS GREATEST. FOUNDATION DOWELS MAY SLOPE A MAXIMUM OF 1:6 TO ALIGN WITH WALL

CAVITIES OR VERTICAL CMU CORES. GREATER SLOPES WILL REQUIRE REPLACEMENT OF THE FOUNDATION DOWELS. SPLICED REINFORCING SHALL BE LAPPED UNDER "REINFORCING" ABOVE OR AS

SHOWN ON DRAWINGS, WHICHEVER IS GREATEST. ALL SPLICES SHALL BE WIRED TOGETHER. D. VERTICAL REINFORCING BARS SHALL HAVE A MINIMUM CLEARANCE OF 3/4" FROM MASONRY AND SHALL BE HELD IN POSITION TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 4"-0". ACCESSORIES FOR SUCH SUPPORT SHALL BE USED, PROVIDE "AA WIRE PRODUCTS COMPANY" (OR APPROVED EQUAL) REBAR POSITIONER AA225 OR AA239 FOR VERTICAL BARS AND AA28 FOR HORIZONTAL

BARS OR APPROVED EQUAL PRODUCTS FROM OTHER SUPPLIERS. HORIZONTAL JOINT REINFORCING SHALL BE LAPPED NO LESS THAN 6" AT ALL SPLICES, INCLUDING CORNERS AND TEES WHERE NO CONTROL JOINT IS USED. F. ALL HORIZONTAL JOINT REINFORCING SHALL STOP AT CONTROL JOINTS.

G. HORIZONTAL REINFORCING IN BOND BEAMS SHALL BE CONTINUOUS THROUGH

11. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DETAILS OF MASONRY CONTROL

12. WHEN REINFORCING IS SPECIFIED, PROVIDE AT EACH SIDE OF CONTROL JOINTS,

OPENINGS AND WALL ENDS.

13. ALL MASONRY WALLS SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS HAVE BEEN DESIGNED TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES IN THE FINAL CONSTRUCTED CONFIGURATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADEQUATELY BRACE THE WALLS FOR VERTICAL AND LATERAL LOADS

14. PROVIDE HORIZONTAL LADDER-TYPE JOINT REINFORCEMENT AT 16" O.C., U.N.O.

THAT COULD POSSIBLY BE APPLIED PRIOR TO COMPLETION OF CONSTRUCTION.

3300 CAHABA ROAD, SUITE 210 BIRMINGHAM, ALABAMA 35223 PHONE: 205.879.5660 FAX: 205.879.5606

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IZ.	2015 IBC - SCHED	JLE O	F SPECIAL INSPECTIONS
Key not e	MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
75	VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONSTHAT COMPLY WITH THE CONSTRUCTION DOCUMENTS.	PERFORM	
76	DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	PERFORM	
77 78	PRIOR TO WELDING (SDI QA/QC - 2011, TABLE 1.3): WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	OBSERVE	
79	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	OBSERVE	
31	MATERIAL IDENTIFICATION (TYPE/GRADE) CHECK WELDING EQUIPMENT	OBSERVE OBSERVE	
33	DURING WELDING (SDI QA/QC - 2011, TABLE 1.4):  USE OF QUALIFIED WELDERS	OBSERVE	
34  35	CONTROL AND HANDLING OF WELDING CONSUMABLES ENVIRONMENTAL CONDITIONS (WIND SPEED,	OBSERVE OBSERVE	
36	MOISTURE, TEMPERATURE)  WPS FOLLOWED	OBSERVE	
37 38	AFTER WELDING (SDI QA/QC - 2011, TABLE 1.5):  VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS.	PERFORM	
39 90	WELDS MEET VISUAL ACCEPTANCE CRITERIA VERIFY REPAIR ACTIVITIES	PERFORM PERFORM	
91	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS PRIOR TO MECHANICAL FASTENING (SDI QA/QC - 2011, TABLE 1.6):	PERFORM	
93	MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	OBSERVE	
	PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION PROPER STORAGE FOR MECHANICAL FASTENERS	OBSERVE OBSERVE	
	DURING MECHANICAL FASTENING (SDI QA/QC - 2011, TABLE 1.7):	OBJEKVE	
	FASTENERS ARE POSITIONED AS REQUIRED FASTENERS ARE INSTALLED IN ACCORDANCE WITH	OBSERVE OBSERVE	
99	MANUFACTURER'S INSTRUCTIONS  AFTER MECHANICAL FASTENING (SDI QA/QC - 2011, TABLE 1.8):		
	CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	PERFORM	
	CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS CHECK SPACING, TYPE, AND INSTALLATION OF	PERFORM PERFORM	
103	PERIMETER FASTENERS VERIFY REPAIR ACTIVITIES	PERFORM	
	DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS  OPEN-WEB STEEL JOISTS AND JOIST GIRDERS (IBC	PERFORM	
	1705.2.3) INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST		
	GIRDERS (IBC TABLE 1705.2.3):  END CONNECTIONS - WELDED OR BOLTED  BRIDGING - HORIZONTAL OR DIAGONAL	PERIODIC PERIODIC	SJI SPECIFICATIONS LISTED IN SECTION 2207.1 SJI SPECIFICATIONS LISTED IN SECTION 2207.1 FOR STANDARD BRIDGING
		FERIODIC	SPECIAL INSPECTION ALSO REQUIRED FOR BRIDGING THAT DIFFERS FROM THESE SJI SPECIFICATIONS.
	COLD-FORMED STEEL CONSTRUCTION TRUSSES SPANNING 60 FEET OR GREATER (IBC 1705.2.4)	PERFORM	VERIFY THAT THE TEMPORARY INSTALLATION RESTRAINT/BRACING AND THE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING ARE
			INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.
111	COLD-FORMED STEEL WIND RESISTANCE (1705.11.2)		REQUIRED IN AREAS OF WIND EXPOSURE CATEGORY B, WHERE $V(ASD) = 120MPH$ OR GREATER OR AREAS OF WIND EXPOSURE CATEGORY C OR EWHERE $V(ASD)$ IS 110MPH OR GREATER.
	WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM	PERIODIC	
113	SCREW ATTACHMENT, BOLTING, ACHORING AND OTHER FASTENING OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM	PERIODIC	EXCEPTIONS: (1) IF THE SHEATHING IS GYPSUM BOARD OR FIBERBOARD (2) IF THE SHEATHING IS WOOD STRUCTURAL PANEL OR STEEL SHEETS ON ONLY ONE SIDE OF THE SHEAR WALL, SHEAR PANEL OR DIAPHRAGM
114	COLD-FORMED STEEL SEISMIC RESISTANCE (1705.12.3)		ASSEMBLY, AND THE FASTENER SPACING >4IN ON CENTER.  APPLICABLE TO SEISMIC FORCE-RESISTING SYSTEMS WITH SEISMIC DESIGN
115	WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM	PERIODIC	CATEGORY C, D, E, OR F.
116	SCREW ATTACHMENT, BOLTING, ACHORING AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM	PERIODIC	EXCEPTIONS: (1) IF THE SHEATHING IS GYPSUM BOARD OR FIBERBOARD (2) IF THE SHEATHING IS WOOD STRUCTURAL PANEL OR STEEL SHEETS ON ONLY ONE SIDE OF THE SHEAR WALL, SHEAR PANEL OR DIAPHRAGM
	CONCRETE CONSTRUCTION (IBC 1705.3 AND IBC		ASSEMBLY, AND THE FASTENER SPACING >4IN.  WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS
	TABLE 1705.3) INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC	FOR SEISMIC RESISTANCE.  REFERENCE ACI 318 CH. 20, 25.2, 25.3, 26.5.1-26.5.3 AND IBC 1908.4
	WELDING OF REINFORCING BARS (IBC 1705.3.1): VERIFY WELDABILITY OF REINFORCING BARS OTHER	PERIODIC	REFERENCE AWS D1.4 AND ACI 318: 26.5.4
	THAN ASTM A 706 INSPECT SINGLE-PASS FILLET WELDS (MAX = 5/16") INSPECT ALL OTHER WELDS	PERIODIC CONTINUOUS	
123	INSPECT ANCHORS CAST IN CONCRETE INSPECT ANCHORS POST-INSTALLED IN HARDENED	PERIODIC	REFERENCE ACI 318: 17.8.2  SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED I
	CONCRETE MEMBERS:		THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPOVED SOURCE IN ACCORDANCE WITH ACI 318: 17.8.2 OR OTHER QUALIFICATION PROCEDURES. WHERE NOT PROVIDED, CONSULT WITH
			REGISTERED DESIGN PROFESSIONAL FOR REQUIREMENTS TO BE APPROVED BY BUILDING OFFICIAL PRIOR TO PROCEEDING.
125	ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	CONTINUOUS	REFERENCE ACI 318: 17.8.2.4
	MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE	PERIODIC	REFERENCE ACI 318: 17.8.2
	VERIFY USE OF REQUIRED DESIGN MIX.  PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP	PERIODIC CONTINUOUS	REFERENCE ACI 318: CH. 19, 26.4.3, 26.4.4 AND IBC 19104.1-2, 1908.2-3 REFERENCE ASTM C172, C31; ACI 318: 26.4.5, 26.12; IBC 1908.10
100	AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	21 IOI II AITI AO	DEFEDENCE ACL 219: 27 A F AND IDC 1009 / 7, 1009 0
	INSPECT CONCRETE AND SHORTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.  VERIFY MAINTENANCE OF SPECIFIED CURING	PERIODIC	REFERENCE ACI 318: 26.4.5 AND IBC 1908.6-7, 1908.9  REFERENCE ACI 318: 26.4.7-9 AND IBC 1908.9
	TEMPERATURE AND TECHNIQUES.  INSPECT PRESTRESSED CONCRETE FOR:  APPLICATION OF PRESTRESSING FORCES	COVITIVITIONS	PEEEDENICE ACI 319.04.0.0.1
133	APPLICATION OF PRESTRESSING FORCES  GROUTING OF BONDED PRESTRESSING TENDONS  INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.		REFERENCE ACI 318: 26.9.2.1 REFERENCE ACI 318: 26.9.2.3 REFERENCE ACI 318: 26.8
	VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED	PERIODIC	REFERENCE ACI 318: 26.10.2
136	CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.  INSPECT FORMWORK FOR SHAPE, LOCATION AND	PERIODIC	REFERENCE ACI 318: 26.10.1 (B)
137	DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.  MASONRY CONSTRUCTION (IBC 1705.4)		
	LEVEL B QUALITY ASSURANCE (TMS 402-13/ACI 530-13/ASCE 5-13, TABLE 3.1.2)		APPLICABLE TO RISK CATEGORIES I, II, III
139	VERIFY SLUMP FLOW AND VISUAL STABILITY INDEX (SVI) AS DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH SPECIFICATION ARTICAL 1.5 B.1.B.3 FOR		MINIMUM TEST
140	SELF-CONSOLIDATING GROUT.  VERIFY F'M AND F'AAC IN ACCORDANCE WITH		MINIMUM TEST
	SPECIFICATION ARTICLE 1.4 B PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.		
	VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS.	PERIODIC	REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 1.5
	AS MASONRY CONSTRUCTION BEGINS, VERIFY THE FOLLOWING ARE IN COMPLIANCE:  PROPORTIONS OF SITE-PREPARED MORTAR	PERIODIC	REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 2.1, 2.6 A
144	CONSTRUCTION OF MORTAR JOINTS GRADE AND SIZE OF PRESTRESSING TENDONS AND	PERIODIC PERIODIC	REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 2.4 B, 2.4 H
146	ANCHORAGES  LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.4, 3.6 A
	PRESTRESSING TECHNIQUE PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY		REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.6 B CONTINUOUS IS REQUIRED FOR THE FIRST 5000SF OF AAC MASONRY;
		/PERIODIC	PERIODIC IS REQUIRED AFTER THE FIRST 5000SF OF AAC MASONRY. REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 2.1 C
	PRIOR TO GROUTING, VERIFY THE FOLLOWING ARE IN COMPLIANCE:  GROUT SPACE	PERIODIC	REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.2 D, 3.2 F
	GRADE, TYPE, AND SIZE OF REINFORCEMENT AND	PERIODIC	REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 6.1 AND TMS 602/ACI 530.1/ASCE 6, ART. 2.4, 3.4
151	ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES		
	ANCHORAGES	PERIODIC	REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 6.1, 6.2.1, 6.2.6-7 AND TMS 602/ACI 530.1/ASCE 6, ART. 3.2 E, 3.4, 3.6 A
152	ANCHORAGES  PLACEMENT OF REINFORCEMENT, CONNECTORS, AND	PERIODIC PERIODIC	REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 6.1, 6.2.1, 6.2.6-7 AND TMS

3300 CAHABA ROAD, SUITE 210 BIRMINGHAM, ALABAMA 35223 PHONE: 205.879.5660 FAX: 205.879.5606 TUCKER · JONES

2015 IBC - SCHEDULE OF SPECIAL INSPECTIONS INSTRUCTIONS/FREQUENCY MATERIAL/ACTIVITY 77 TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING PERIODIC REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 1.2.1 (E), 6.1.4.3, 6.2.1 OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION CONTINUOUS | REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 8.1.6.7.2, 9.3.3.4(C), 11.3.3.4(B) WELDING OF REINFORCEMENT 59 PREPARATION, CONSTRUCTION, AND PROTECTION OF PERIODIC REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 1.8 C, 1.8 D MASONRY DURING COLD WEATHER (<40°F) OR HOT WEATHER (>90°F) APPLICATION AND MEASUREMENT OF PRESTRESSING CONTINUOUS REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.6 B PLACEMENT OF GROUT AND PRESTRESSING GROUT CONTINUOUS REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.5, 3.6 C FOR BONDED TENDONS IS IN COMPLIANCE 2 PLACEMENT OF AAC MASONRY UNITS AND CONTINUOUS CONTINUOUS IS REQUIRED FOR THE FIRST 5000SF OF AAC MASONRY; CONSTRUCTION OF THIN-BED MORTAR JOINTS /PERIODIC | PERIODIC IS REQUIRED AFTER THE FIRST 5000SF OF AAC MASONRY. REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.3 B.9, 3.3 F.1.B 63 OBSERVE PREPARATION OF GROUT SPECIMENS, REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 1.4 B.2.A.3, 1.4 B.2.B.3, 1.4 MORTAR SPECIMENS, AND/OR PRISMS B.2.C.3, 1.4 B.3, 1.4 B.4 4 LEVEL C QUALITY ASSURANCE (TMS 402-13/ACI APPLICABLE TO RISK CATEGORY IV 530-13/ASCE 5-13, TABLE 3.1.3) 5 VERIFY F'M AND F'AAC IN ACCORDANCE WITH MINIMUM TEST SPECIFICATION ARTICLE 1.4 B PRIOR TO CONSTRUCTION AND FOR EVERY 5000SF DURING CONSTRUCTION VERIFY PROPORTIONS OF MATERIALS IN PREMIXED OR MINIMUM TEST PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT, AS DELIVERED TO THE PROJECT SITE 7 | Verify Slump flow and visual stability index (SVI) MINIMUM TEST AS DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.5 B.1.B.3 FOR SELF-CONSOLIDATING GROUT 68 VERIFY COMPLIANCE WITH THE APPROVED PERIODIC REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 1.5 SUBMITTALS. 59 VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE PROPORTIONS OF SITE-MIXED MORTAR, GROUT AND PERIODIC REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 2.1, 2.6 A, 2.6 B, 2.6 C, 2.4 PRESTRESSING GROUT FOR BONDED TENDONS GRADE, TYPE, AND SIZE OF REINFORCEMENT AND REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 6.1 AND TMS 602/ACI PERIODIC ANCHOR BOLTS, AND PRESTRESSING TENDONS AND 530.1/ASCE 6, ART. 2.4, 3.4 PLACEMENT OF MASONRY UNITS AND CONSTRUCTION PERIODIC REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.3 B OF MORTAR JOINTS 73 PLACEMENT OF REINFORCEMENT, CONNECTORS, AND CONTINUOUS REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 6.1, 6.2.1, 6.2.6-7 AND TMS PRESTRESSING TENDONS AND ANCHORAGES 602/ACI 530.1/ASCE 6, ART. 3.2 E, 3.4, 3.6 A 74 GROUT SPACE PRIOR TO GROUTING CONTINUOUS REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.2 D, 3.2 F 5 PLACEMENT OF GROUT AND PRESTRESSING GROUT CONTINUOUS REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.5, 3.6 C FOR BONDED TENDONS SIZE AND LOCATION OF STRUCTURAL ELEMENTS PERIODIC REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.3 F TYPE, SIZE, AND LOCATION OF ANCHORS INCLUDING | CONTINUOUS | REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 1.2.1(E), 6.1.4.3, 6.2.1 OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, AND OTHER CONSTRUCTION B WELDING OF REINFORCEMENT CONTINUOUS | REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 8.1.6.7.2, 9.3.3.4(C), 11.3.3.4(B) 79 PREPARATION, CONSTRUCTION, AND PROTECTION OF PERIODIC REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 1.8 C, 1.8 D MASONRY DURING COLD WEATHER (<40°F) OR HOT WEATHER (>90°F) 80 | APPLICATION AND MEASUREMENT OF PRESTRESSING | CONTINUOUS | REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.6 B FORCE CONTINUOUS REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.3 B.9. 3.3 F.1.B 81 PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS 2 | PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY | CONTINUOUS | REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 2.1 C.1 OBSERVE PREPARATION OF GROUT SPECIMENS, CONTINUOUS REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 1.4 B.2.A.3, 1.4 B.2.B.3, 1.4 MORTAR SPECIMENS, AND/OR PRISMS B.2.C.3, 1.4 B.3, 1.4 B.4 FIELD GLUING OPERATIONS OF ELEMENTS OF THE **CONTINUOUS** SEISMIC FORCE-RESISTING SYSTEM 192 NAILING, BOLTING, AND ANCHORING AND OTHER EXCEPTION: NO REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, FASTENING OF ELEMENTS OF THE SEISMIC AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING AND FORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR OTHER FASTENING TO OTHER ELEMENTS OF THE MAIN WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, WINDFORCE-RESISITNG SYSTEM WHERE THE FASTENER SPACING OF THE AND SHEAR PANELS AND HOLD-DOWNS SHEATHING >4IN ON CENTER. 93 |SOILS (IBC 1705.6) 194 | VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS | PERIODIC ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING P5 VERIFY EXCAVATIONS ARE EXTENDED TO PROPER PERIODIC DEPTH AND HAVE REACHED PROPER MATERIAL 96 PERFORM CLASSIFICATION AND TESTING OF PERIODIC COMPACTED FILL MATERIALS 7 | VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT | CONTINUOUS THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL 98 PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT PERIODIC SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED 263 | STRUCTURAL OBSERVATIONS (IBC 1704.6) NAME OF OBSERVER: 264 | ITEM TO BE OBSERVED: 265 FOOTINGS & PIERS 266 DEEP FOUNDATIONS

NOTE: THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OF SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE INSPECTION AGENT(S) MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.

**ADDRESS** 

67 GRADE BEAMS

70 WOOD WALLS

78 OTHER:

79 OTHER:

68 CONCRETE WALLS

69 MASONRY WALLS

71 | STEEL MOMENT FRAMES

2 STEEL BRACED FRAMES

274 | CONCRETE DIAPHRAGMS

275 | Steel Deck Diaphragms

7 POST- TENSIONED DECK

\*INSPECTION AGENTS FIRM

OWNER'S TESTING AGENCY

76 WOOD DIAPHRAGMS

3 CONCRETE MOMENT FRAMES

1. STRUCTRUAL STEEL WELDING: A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS - CONTINUOUS. B. MULTIPLE - PASS FILLET WELDS - CONTINUOUS. C. PLUG AND SLOT WELDS - CONTINUOUS.

D. SINGLE - PASS FILLET WELDS < 5/16" - PERIODIC. E. DECK WELDS - PERIODIC. 2. REINFORCING STEEL WELDING: A. VERIFICATION OF WELDABILITY - PERIODIC.

B. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL IN INTERMEDIATE AND SPECIAL MOMENT FRAMES AND BOUNDARY ELEMENTS IN SPECIAL WALLS OR SHEAR REINF -CONTINUOUS. C. SHEAR REINFORCEMENT - CONTINUOUS. D. OTHER REINFORCING - PERIODIC.

3. EXCEPTIONS: SPECIAL INSPECTIONS SHALL NOT BE REQUIRED FOR: A. ISOLATED SPREAD CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK.

B. CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK WHERE 1. FOOTINGS SUPPORT WALLS OF LIGHT-FRAME CONSTRUCTION. 2. FOOTINGS ARE DESIGNED IN ACCORDANCE WITH TABLE 1809.7 3. THE STRUCTURAL DESIGN OF THE FOOTING IS BASED ON A SPECIFIED COMPRESSIVE STRENGTH, F'C, NO GREATER THAN 2500 POUNDS PER SQUARE INCH (PSI), REGARDLESS OF THE COMPRESSIVE STRENGTH SPECIFIED IN THE CONSTRUCTION DOCUMENTS OR USED IN THE FOOTING CONSTRUCTION. C. NONSTRUCTURAL CONCRETE SLABS SUPPORTED DIRECTLY ON THE

TELEPHONE NO.

GROUND, INCLUDING PRESTRESSED SLABS ON GRADE, WHERE THE EFFECTIVE PRESTRESS IN THE CONCRETE IS LESS THAN 150 PSI. D. CONCRETE FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH TABLE 1807.1.6.2.

E. CONCRETE PATIOS, DRIVEWAYS AND SIDEWALKS ON GRADE. PERIODIC - PART-TIME OR INTERMITTENT OBSERVATION OF WORK THAT HAS BEEN/IS BEING PERFORMED AND AT THE COMPLETION OF THE

CONTINUOUS - FULL-TIME OBSERVATION OF WORK. INSPECTOR IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. OBSERVE - INSPECT THESE ITEMS ON A RANDOM/INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. PERFORM - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER, BOLTED CONNECTION, OR STEEL ELEMENT PRIOR TO FINAL ACCEPTANCE.



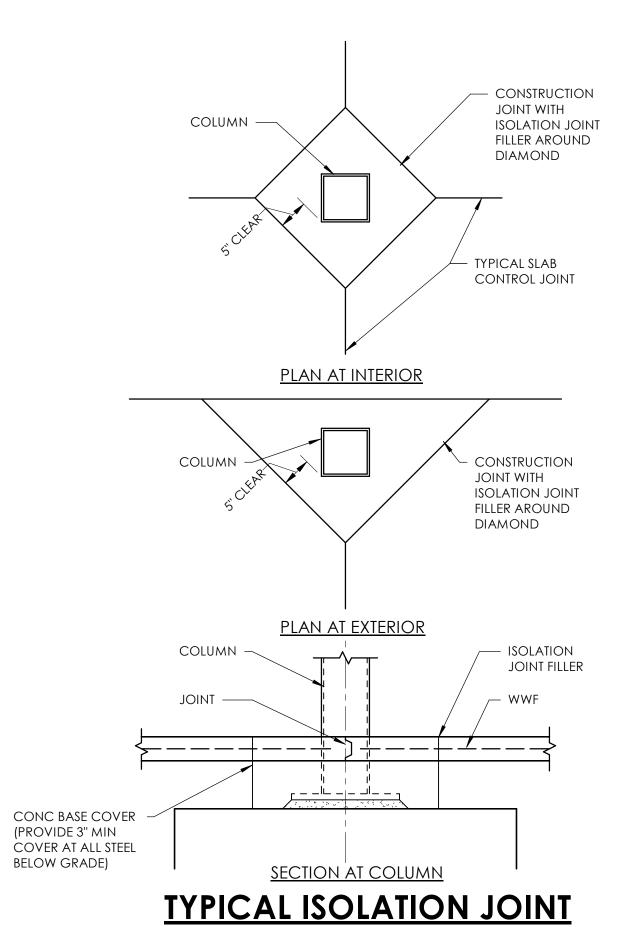
PERIODIC REFERENCE TMS 602/ACI 530.1/ASCE 6, ART. 3.3 F

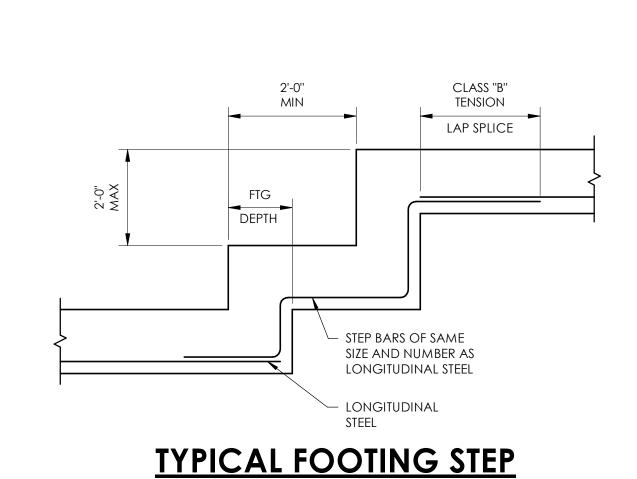
156 SIZE AND LOCATION OF STRUCTURAL ELEMENTS

FOOTING SCHEDULE						
FOOTING DESIGNATION	DEPTH	REINF EW.	LENGTH	WIDTH	NOTES	
F2.0	1' - 0''	4#5	2' - 0''	2' - 0''		
F6.0	1' - 0''	7#5	6' - 4''	6' - 4''		

COLUMN SC	HEDULE
COLUMN DESIGNATION	C1
SIZE	HSS4X4X5/16
BASE PLATE	3/4X10"X0-10"
HEADED ANCHOR	(4) 3/4Ø X1'-0"

 COLUMN SC	
DESIGNATION	C1
SIZE	HSS4X4X5/16
BASE PLATE	3/4X10"X0-10"
HEADED ANCHOR BOLTS	(4) 3/4Ø X1'-0"





<b>FOOTING T</b>	ENSION
LAP SPLICE	LENGTH
f'o = 2000 DCI	f'a - 4000 PSI

AR	f'c = 30	00 PSI	f'c = 4000 PSI		
IZE	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	
#3	28"	22"	24"	19"	
<b>#</b> 4	37"	29"	32"	25"	
<b>#</b> 5	47"	36"	40''	31"	
#6	56"	43"	48''	37"	
<b>#</b> 7	81"	63"	70"	54"	
#8	93"	72"	80"	62"	
#9	105"	81"	91"	70"	
10	118"	91"	102"	79"	
ŧ11	131"	101"	113"	87"	

— SAWCUT 1/3 SLAB THICKNESS

KEYWAY

KEYWAY

FOR EXTENTS
SEE ARCH DWGS

+------

TOP BARS ARE HORIZONTAL REINFORCEMENT WITH	
MORE THAN 12" OF CONCRETE CAST BELOW THE REINF	:

SAW JOINT WITHIN 8 HOURS AFTER CONCRETE IS PLACED.

**SAWED JOINT** 

**KEYED JOINT** 

TYPICAL 4" SLAB

**CONTROL JOINT** 

JOINT TYPE IS OPTIONAL

TYPICAL SLAB

**BLOCKOUT DETAIL** 

TYPICAL DEPRESSED

**SLAB ON GRADE** 

WWF DISCONTINUOUS

BLOCKOUT — SLAB TO BE

FUTURE.

\_\_\_\_\_

PLACED IN THE

AT SAWCUT

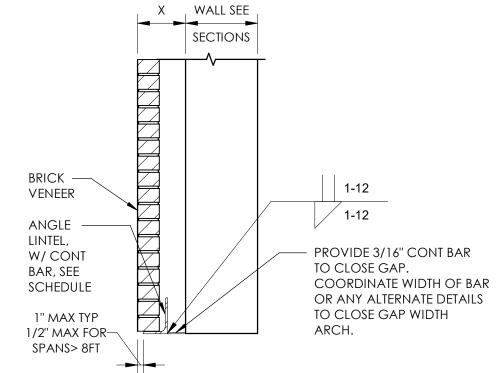
# **MASONRY WALL LAP** SPLICE SCHEDULE

<b>3</b> P	LICE 2CL	IEDULE
BAR Ø	8" WIDE WALLS	12" WIDE WALLS
	f'm = 2000psi	f'm = 2000psi
#4	15"	12"
#5	24"	15"
#6	44"	28"
#7	61"	38"
#8	91"	57"

MAS	ONRY LINTEL SCHEDULE	- - -
ΛΛΑΥΙΛΛΙΙΛΛ		

MAXIMUM OPENING	LINTEL	DIMENSIONS & REI	NFORCING
WIDTH	DEPTH	8" WALL	12" WALL
2'-0''	8		1#4BOT
4'-0''	8	1#4BOT	2#4 BOT
6'-0"	8	1#4 BOT & 1#4 TOP	2#5 BOT & 2#4 TOF
8'-0"	16	1#6 BOT & 1#4 TOP	2#5 BOT & 2#5 TOF
10'-0''	24	2#7 BOT & 1#4 TOP	2#6 BOT & 2#5 TOF
12'-0''	24	2#7 BOT & 1#4 TOP	2#6 BOT & 2#5 TOF
I . DO NOT USE THIS :	SCHEDULE IF CON	CENTRATED LOAD IS	

APPLIED TO THE LINTEL AT A HEIGHT LESS THAN HALF THE SPAN ABOVE THE LINTEL, OR IF THE HEIGHT OF BRICK ABOVE THE LINTEL EXCEEDS TEN FOOT. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS
 HOOK #7 BARS OR GREATER INTO BOND BEAM TO ACHIEVE ADEQUATE DEVELOPMENT LENGTH.



**BRICK LOOSE** LINTEL **SCHEDULE** 

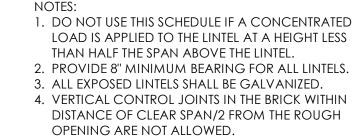
BIRMINGHAM, ALABAMA 35223

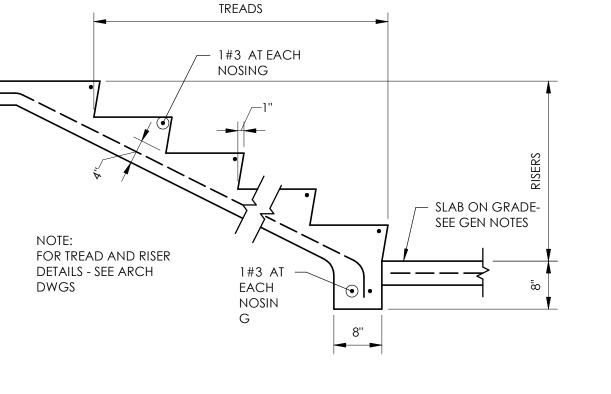
PHONE: 205.879.5660 FAX: 205.879.5606

TUCKER · JONES
ENGINEERS ASSOCIATED, P.C.

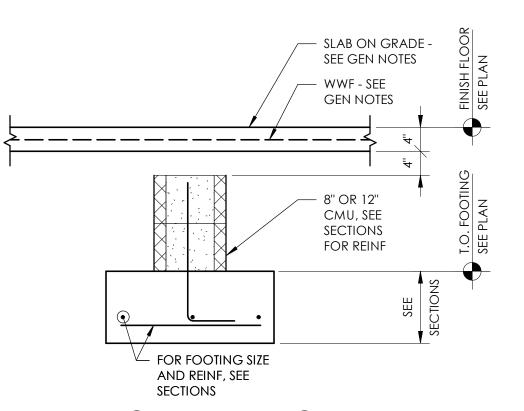


THAN HALF THE SPAN ABOVE THE LINTEL.

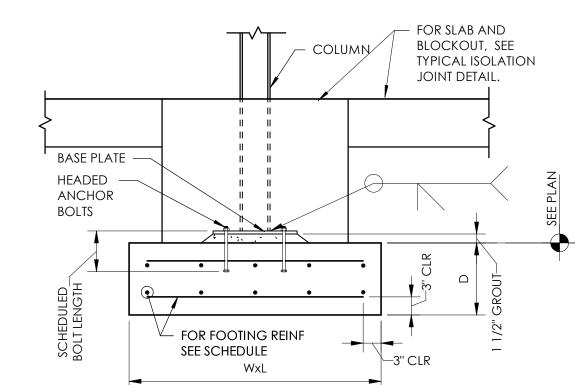




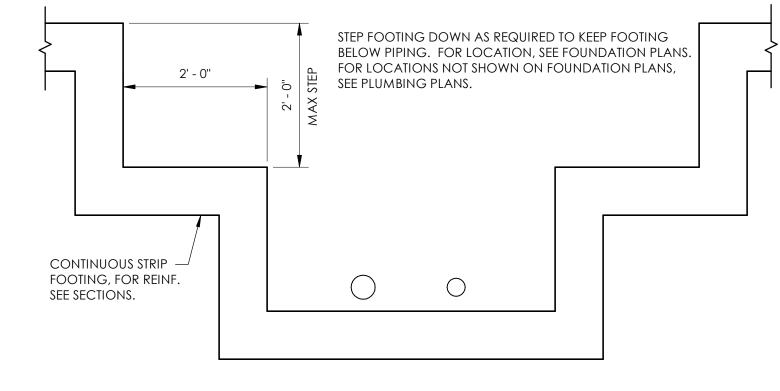
TYPICAL STAIR ON GRADE



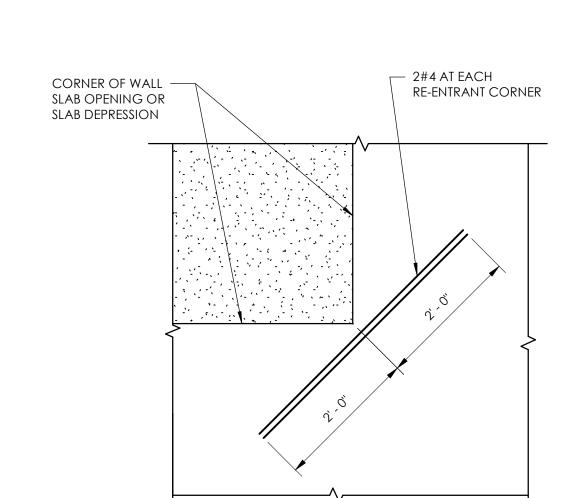
TYPICAL INTERIOR **OPENING SLAB DETAIL** 



TYPICAL COLUMN BASE **& FOOTING DETAIL** 



TYPICAL FOUNDATION **WALL AT PIPING** 



TYPICAL RE-ENTRANT SLAB **CORNER REINFORCING DETAIL** 

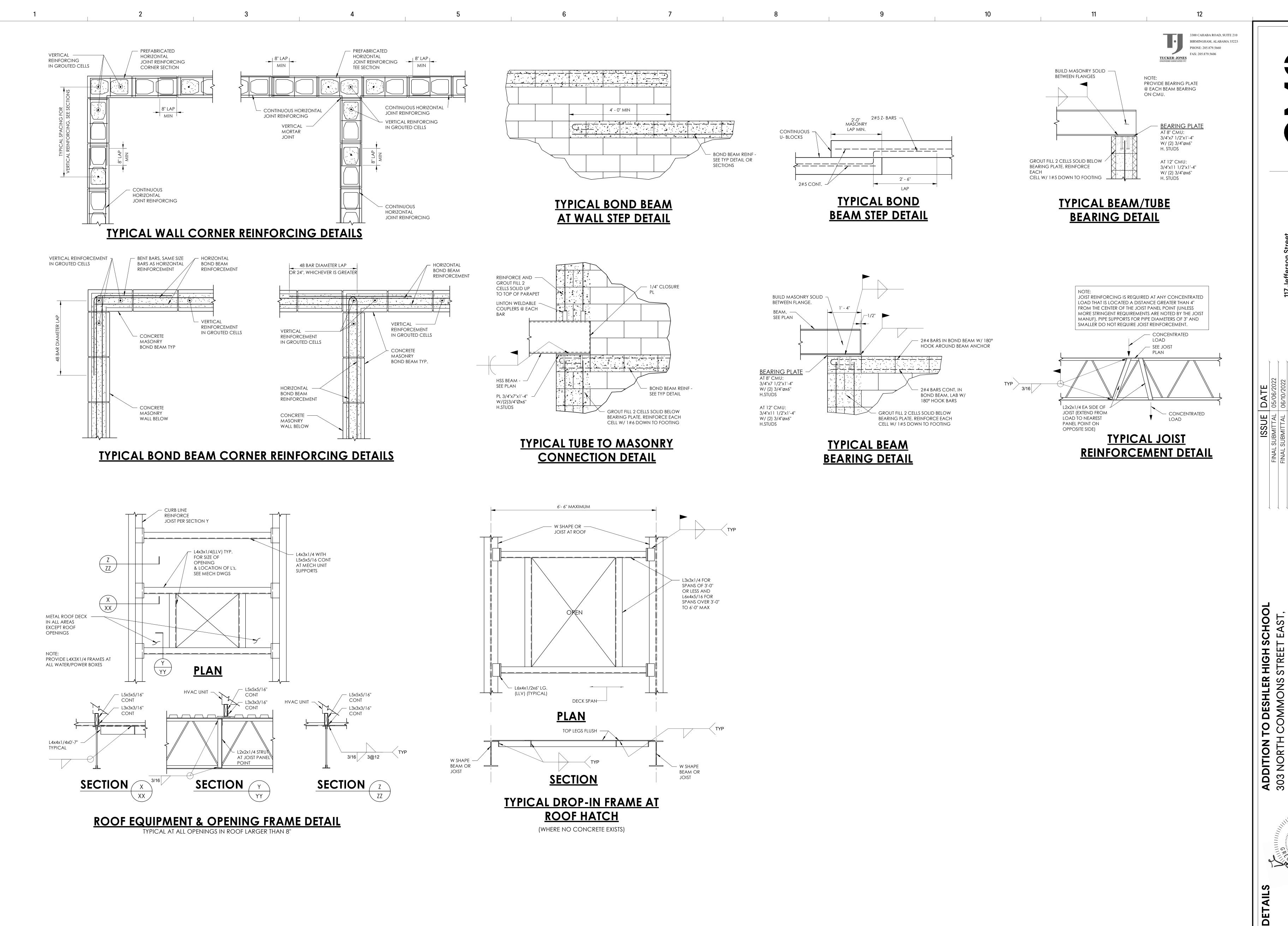


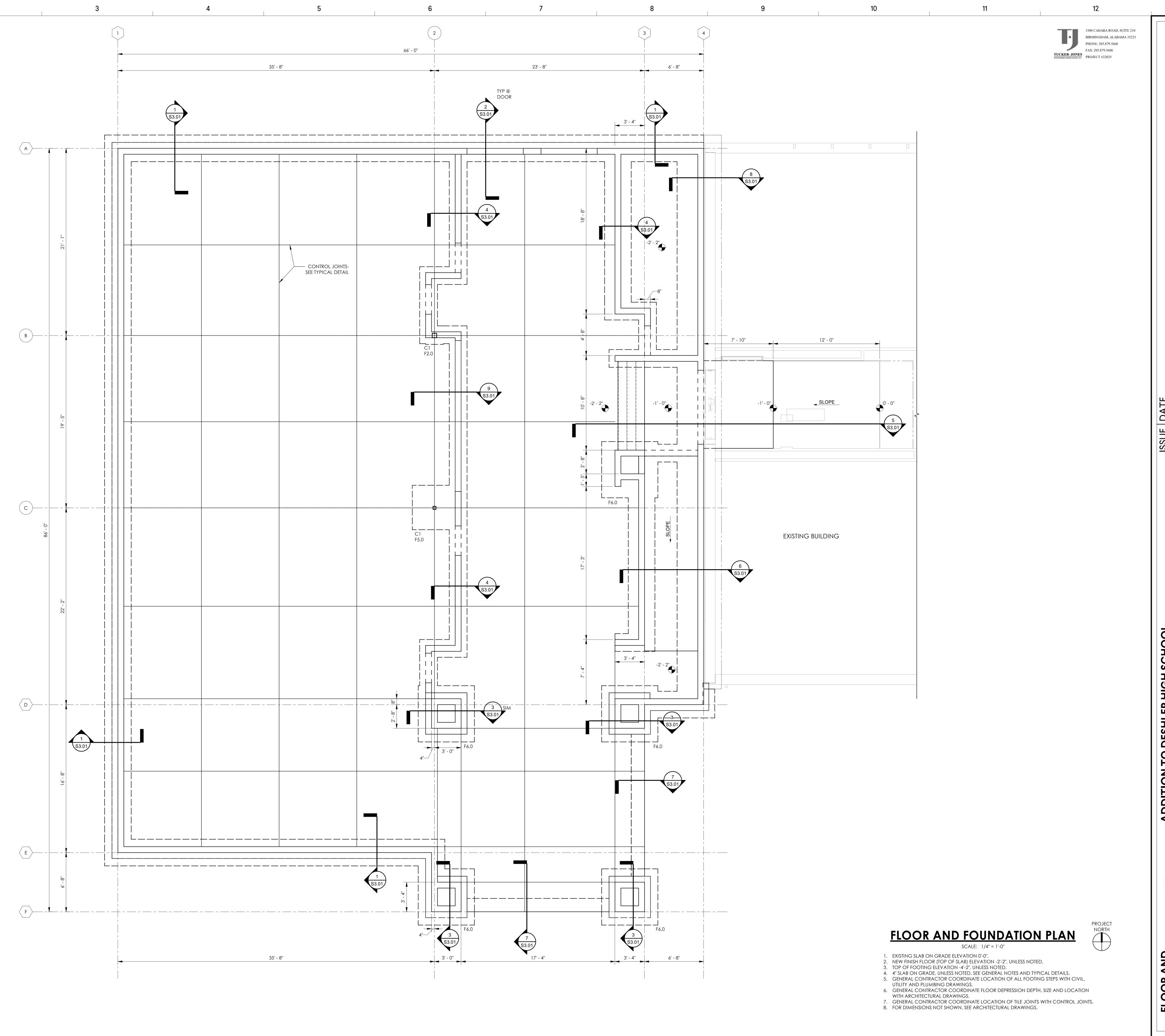


8'-0" TO 10'-0"

L6X6X3/8 LLV W/ 3/16" CONT BAR W/ 3/16" CONT BAR

1. DO NOT USE THIS SCHEDULE IF A CONCENTRATED LOAD IS APPLIED TO THE LINTEL AT A HEIGHT LESS 2. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.





SUBMITTAL 06/10/2022

SUBMITTAL 06/10/2022

DRAWN BY: SPS

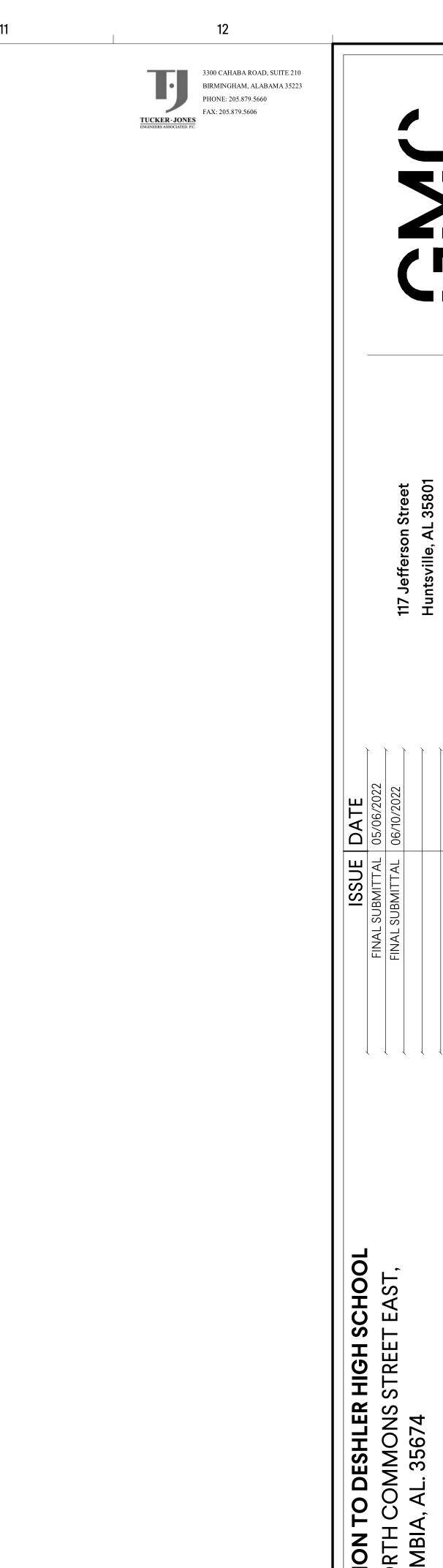
NS STREET EAST,

GMC # AHUN210012



OUNDATION PL,

**S2.0** 



LOW ROOF & PARTIAL SECOND FLOOR FRAMING PLAN Scale: 1/4" = 1'-0"

- 1. ROOF CONSTRUCTION: A. 1 1/2" STEEL DECK ON STEEL JOISTS. SEE GENERAL NOTES FOR ATTACHEMENT PATTERN. B. JOISTS BEARING ELEVATION (TOP OF MASONRY EMBED/STEEL) NOTED AS (X'-X") ON PLAN.
- 2. FLOOR CONSTRUCTION: A. 5" THICK SLAB (3" NW CONCRETE ON 2" COMPOSITE STEEL DECK) ON STEEL BEAMS, SEE GENERAL NOTES FOR ATTACHMENT PATTERN. B. EXISTING FINISH FLOOR (TOB OF SLAB) ELEVATION 13'-6".
- 3. JOST LABELED AS "SP" JOISTS SHALL BE DESIGNED FOR THE MECHANICAL UNIT WEIGHT IN ADDITION

TO THE LOADING INDICATED.

4. SPACE JOISTS EQUALLY BETWEEN BEAMS OR COLUMN CENTERLINES, UNLESS NOTED. 5. BEAM REACTIONS ARE INDICATED AT ENDS OF BEAMS AS "XK" WHERE "X" IS THE MAGNITUDE OF THE WORKING LOAD SHEAR REACTION IN KIPS.

66' - 0''

23' - 8"

14K (228/114)

14K (228/114)

14K (228/114)

14K (228/114)

14K (228/114)

14K (228/114) SP1

14K (228/114)

14K (228/114)

14K (228/114)

14K (228/114) SP1

RTU-1 |

6' - 8''

14K (228/114)

14K (228/114)

14K (228/114)

14K (228/114)

8' - 6''

EXISTING BUILDING

35' - 8''

22K (228/114)

22K (228/114)

22K (228/114)

22K (228/114)

22K (228/114)

22K (228/114) SP1

22K (228/114) SP1

22K (228/114) SP1

RTU-2 | 1200 lb

22K (228/114)

22K (228/114)

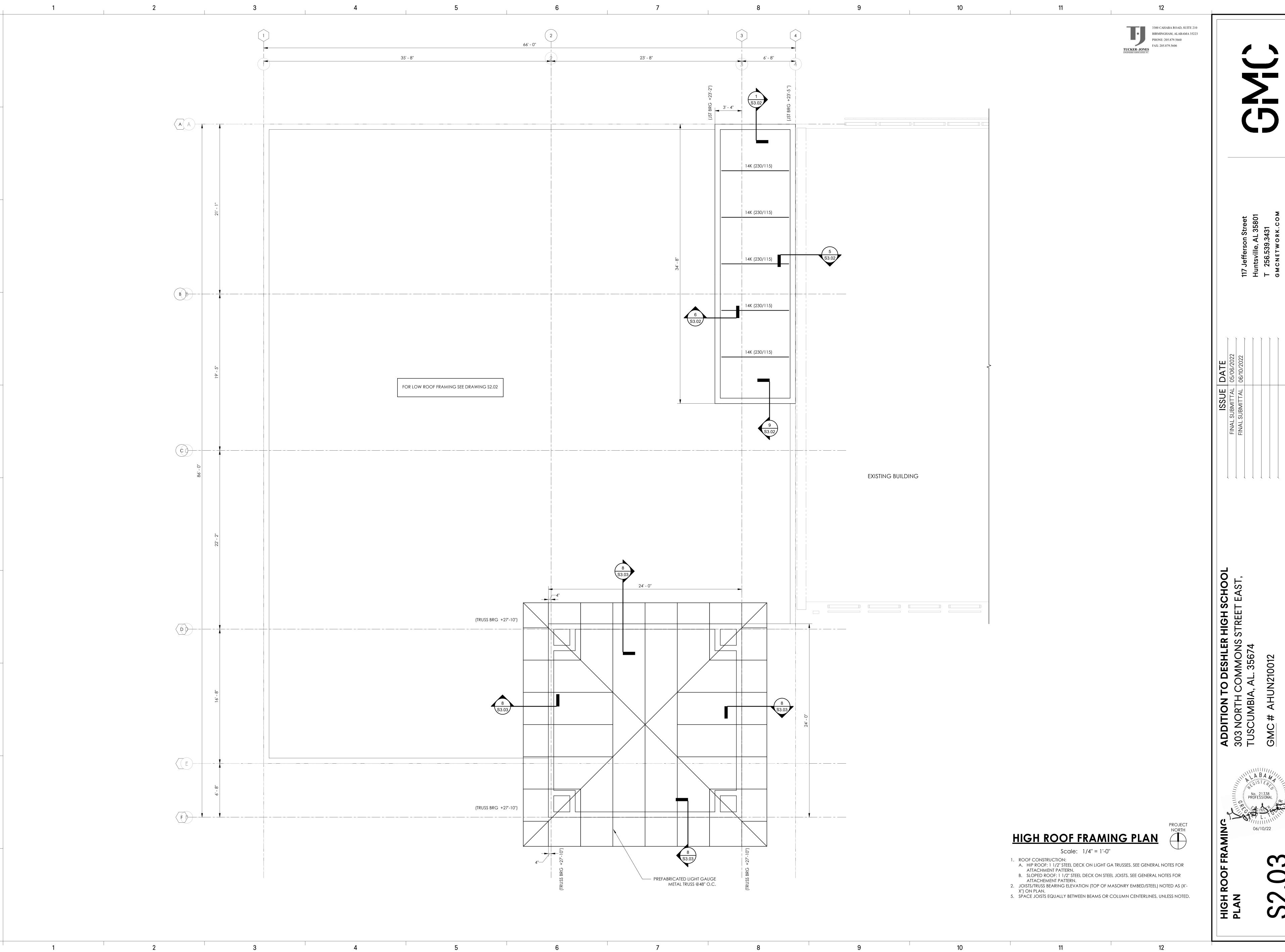
22K (228/114)

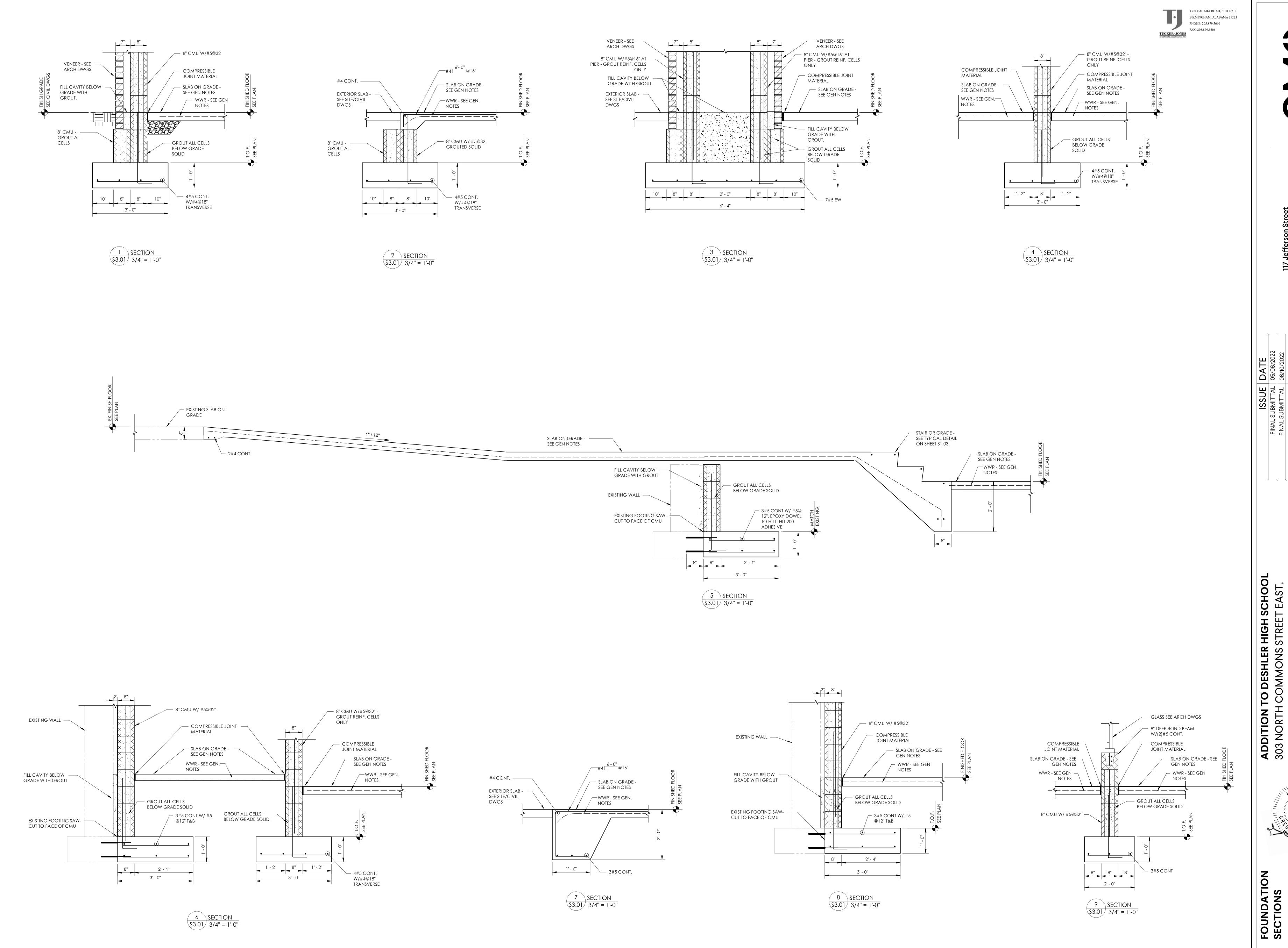
22K (228/114)

22K (228/114)

22K (228/114)

ROOF HATCH - SEE ARCH DWGS



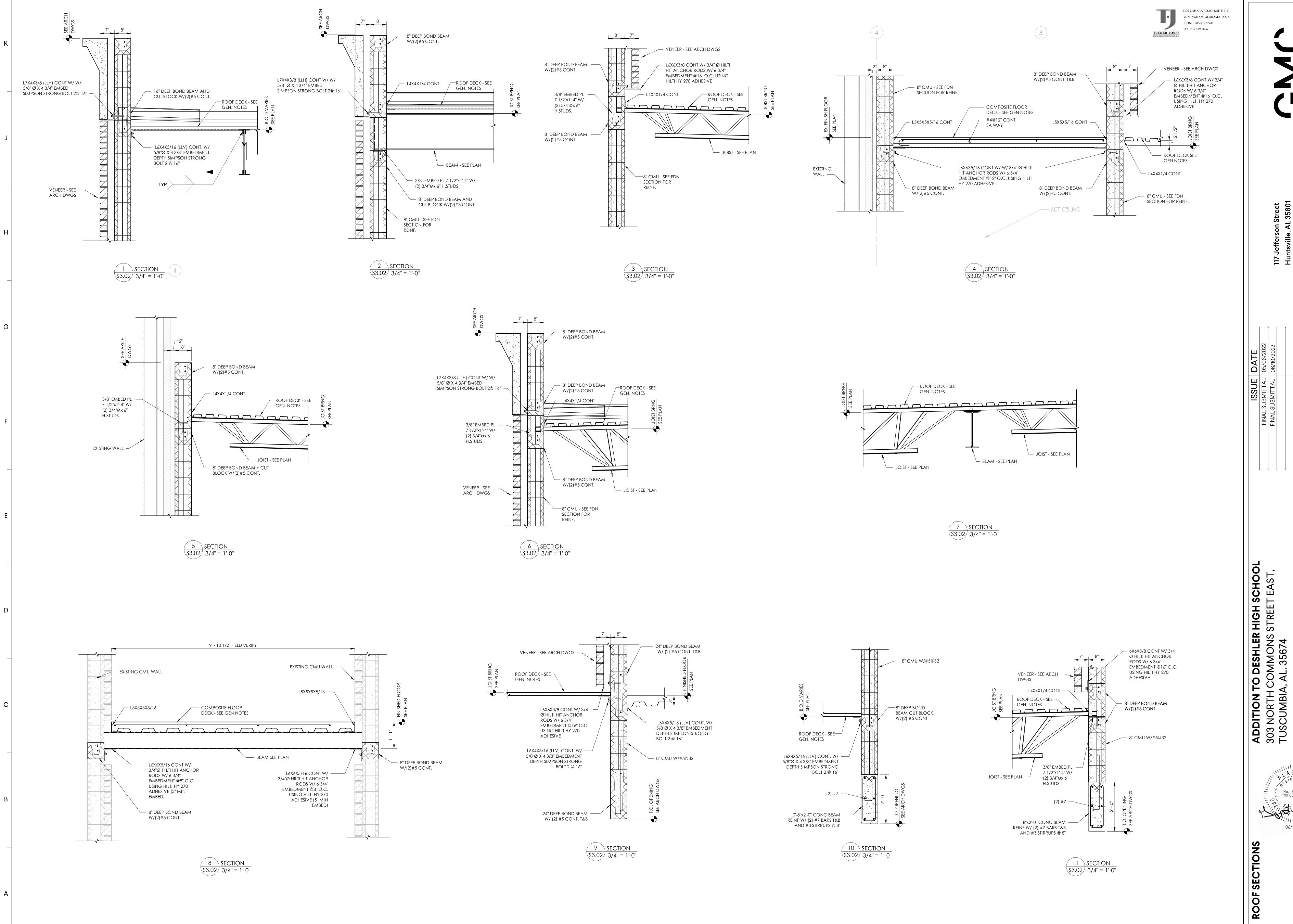


ADDITION TO 303 NORTH C TUSCUMBIA,

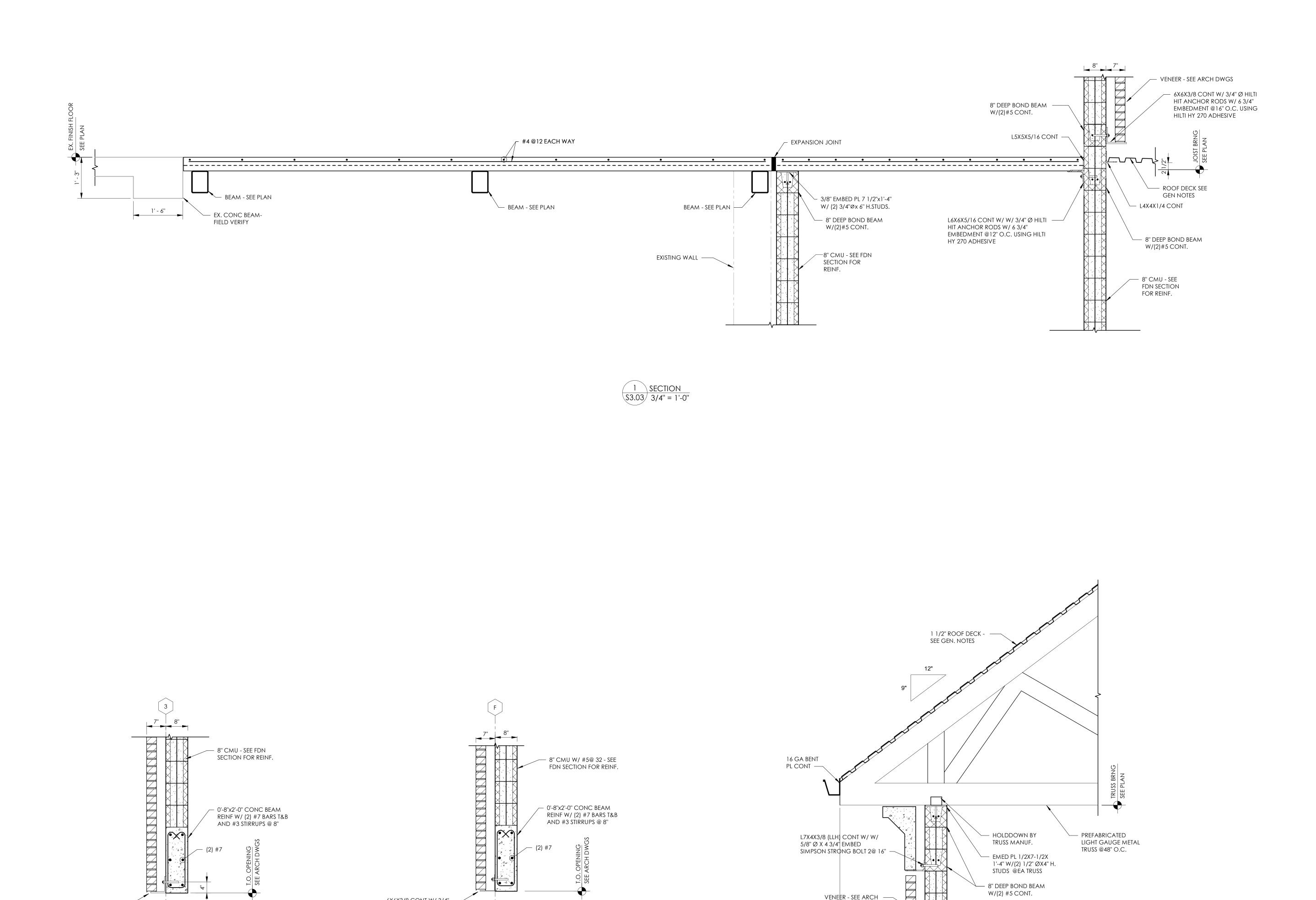




Sheet



Sheet



6X6X3/8 CONT W/ 3/4" Ø HILTI HIT ANCHOR RODS W/ 6 3/4" EMBEDMENT @16" O.C. USING HILTI HIT 200 ADHESIVE

6X6X3/8 CONT W/ 3/4" -Ø HILTI HIT ANCHOR RODS W/ 6 3/4" EMBEDMENT @16" O.C. USING HILTI HIT 200 ADHESIVE

8 SECTION S3.03 3/4" = 1'-0"

VENEER - SEE ARCH —

TRUSS MANUF.

— 8" DEEP BOND BEAM W/(2) #5 CONT.

8" CMU - SEE FDN SECTION FOR REINF.

— EMED PL 1/2X7-1/2X 1'-4" W/(2) 1/2" ØX4" H. STUDS @EA TRUSS





S

## **GENERAL NOTES:**

- MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND SUBJECT TO REQUIREMENTS OF ARCHITECTURAL DRAWINGS AND CONDITIONS EXISTING IN THE FIELD. MECHANICAL DRAWINGS INDICATE GENERALLY THE LOCATION OF COMPONENTS AND ARE NOT INTENDED TO SHOW ALL FITTINGS OR ALL DETAILS OF THE WORK TO BE PERFORMED.
- 2. FOLLOW THE DRAWINGS CLOSELY, COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND
- FIELD CONDITIONS. DO NOT SCALE MECHANICAL DRAWINGS FOR LOCATIONS OF SYSTEM COMPONENTS.

3. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL,

- ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS. 4. MAKE NO CHANGES WITHOUT THE ARCHITECT'S WRITTEN PERMISSION. IN CASE OF DOUBT, OBTAIN ARCHITECT'S DECISION BEFORE PROCEEDING WITH WORK. FAILURE TO FOLLOW THIS INSTRUCTION SHALL MAKE THE CONTRACTOR LIABLE FOR DAMAGE TO OTHER WORK AND RESPONSIBLE FOR REMOVING AND REPAIRING DEFECTIVE OR MISLOCATED WORK IN PROPER MANNER.
- 5. DO NOT SCALE DRAWINGS TO LOCATE DIFFUSERS AND EQUIPMENT. COORDINATE WITH NEW AND EXISTING LIGHTING, ELECTRICAL CONDUIT, AND ALL EXISTING FIELD CONDITIONS.
- 6. VERIFY ALL EQUIPMENT VOLTAGES WITH ELECTRICAL DRAWINGS AND REPORT ANY INCONSISTENCIES
- TO THE ARCHITECT PRIOR TO ORDERING EQUIPMENT. 7. PROTECT MECHANICAL EQUIPMENT FROM DAMAGE DURING CONSTRUCTION. WHEN INSTALLATION IS
- COMPLETE, CLEAN EQUIPMENT AS REQUIRED. 8. INSTALL ALL EQUIPMENT TO PROVIDE NORMAL SERVICE ACCESS TO ALL COMPONENTS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. IF MANUFACTURER'S INSTRUCTIONS CONFLICT
- WITH CONTRACT DOCUMENTS, OBTAIN ARCHITECT'S DECISION BEFORE PROCEEDING. 9. FURNISH ACCESS DOORS FOR VALVES, FIRE DAMPERS, DAMPERS, CONTROLS, AIR VENTS, TRAP CLEAN OUTS, AND OTHER ITEMS LOCATED ABOVE NON-LIFTOUT CEILINGS OR BEHIND PARTITIONS OR WALLS. PROVIDE FIRE DAMPERS IN DUCTWORK, GRILLES, AND REGISTERS WITH FIRE RATING EQUAL TO RATING OF WALL OR CEILING. ALL FIRE DAMPERS MAY OR MAY NOT BE SHOWN ON MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL FIRE RATED WALL AND CEILING LOCATIONS AND RATINGS WITH ARCHITECTURAL DRAWINGS.
- 10. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES AND STANDARDS (SEE SPECIFICATIONS).

AIR	DEVICE LEGEND		
MARK	DESCRIPTION	(X)	MODEL #
LD(X)	LOUVER FACE 24"X24" LAY-IN CEILING DIFFUSER. 4-WAY THROW UNLESS NOTED OTHERWISE. CFM SHOWN.	SQUARE NECK SIZE  NECK SIZE ROUND RUNOUT  6 X 6 6"Ø  9 X 9 8"Ø  12 X 12 10"Ø  15 X 15 12"Ø  18 X 18 14"Ø	TITUS TDC-AA
SR	SIDE WALL SUPPLY REGISTER, SIZE AND CFM SHOWN.		TITUS 272
E(X)	CEILING EXHAUST GRILLE. 1/2" X 1/2" X 1/2" ALUMINUM CORE	SQUARE NECK SIZE	TITUS 50F
T(X)	CEILING TRANSFER GRILLE. 1/2" X 1/2" X 1/2" ALUMINUM CORE	SQUARE NECK SIZE	TITUS 50F
R(X)	CEILING RETURN GRILLE. 1/2" X 1/2" X 1/2" ALUMINUM CORE	SQUARE NECK SIZE	TITUS 50F
WRR	WALL RETURN REGISTER, SIZE AND CFM SHOWN.		TITUS 350

# SPLIT SYSTEM INDOOR UNIT (COOLING ONLY)

		TENT HIDOOR V		(CCCLII	10 OTIDI)
MARK	SUPPLY CFM	COOLING CAPACITY	MCA/MFS	ELECTRICAL	DESIGN BASIS TRANE
AC-1	635-775	27.5	1.0/15	208V/1Ф/60Hz	TPKA0A0301KA70A
AC-2	635-775	27.5	1.0/15	208V/1Φ/60Hz	TPKA0A0301KA70A

1. CAPACITIES BASED ON: COOLING - 95°F OUTDOOR DB, 75°F INDOOR DB & 50% RH

2. 5 YEAR PARTS, LABOR, & REFRIGERANT WARRANTY

3. PROVIDE A SPARE SET OF FILTERS FOR EACH UNIT

SPLI	T SYSTEM OUT	DOOR U	UNIT (C	OOLING	G ONLY)
MADIC	OOOLING OARAGITY	FLECTRICAL	МСА	MOCB	DESIGN BASIS

MARK	COOLING CAPACITY	ELECTRICAL	MCA	МОСР	DESIGN BASIS TRANE
CU-1	30.0	208V/1Φ/60Hz	19.0	26.0	TRUYA0301HA70NA
CU-2	30.0	208V/1Φ/60Hz	19.0	26.0	TRUYA0301HA70NA

#### **NOTES:**

- 1. CAPACITIES BASED ON: COOLING 95°F OUTDOOR DB, 75°F INDOOR DB & 50% RH
- 2. 5 YEAR PARTS, LABOR, & REFRIGERANT WARRANTY

3. REFRIGERANT: R-410A

F	$\overline{\mathbf{A}}$	N	S
		T 4	<u> </u>

	1 1 1											
	MARK	SERVES	TYPE	CFM	"W.G.S.P.	MIN. WHEEL	MOTOR		ACCESSORIES	INTERLOCK W/	DESIGN BASIS	
	MATTI	OEK V EO	1111 =	01 111	ESP	SIZE (IN.)	HP	۷/Ф	AGGESSORIES	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	DESIGN DASIS	
	EF-1	ALL TOILETS AND JANITOR'S CLOSET	A	290	0.5	9"	1/8	120/1	1	TIME CLOCK	COOK ACE-D	

### **FAN NOTES:**

- (A) CENTRIFUGAL ROOF EXHAUSTER DIRECT DRIVE
- (B) CENTRIFUGAL ROOF EXHAUSTER BELT DRIVE
- (C) PROPELLER EXHAUST FAN DIRECT DRIVE
- (D) PROPELLER EXHAUST FAN BELT DRIVE (E) CENTRIFUGAL VENT SET, BELT DRIVE
- (F) IN-LINE CENTRIFUGAL DIRECT DRIVE

(G) IN-LINE CENTRIFUGAL BELT DRIVE

- **FAN ACCESSORIES:**
- (1) BIRDSCREEN, ROOF CURB (MINIMUM 8" ABOVE INSULATION), BACKDRAFT DAMPER, DISCONNECT SWITCH.
- (2) MOTOR SIDE GUARD, GRAVITY SHUTTER.
- (3) SPRING ISOLATORS, TWO SPEED (1800/900 RPM) MOTOR, QUICK OPENING ACCESS DOOR DRAIN, GRAVITY DISCHARGE SHUTTER, MOTOR AND DRIVE WEATHER HOOD.
- (4) FLEXIBLE CONNECTORS, RUBBER-IN-SHEAR ISOLATORS, SOLID STATE SPEED CONTROL, DISCONNECT SWITCH AND BACKDRAFT DAMPER.
- (5) FLEXIBLE CONNECTORS, SPRING ISOLATORS, DISCONNECT SWITCH, AND BACKDRAFT DAMPER.

PAC	KAGE	D ROC	OF M	IOUN	NTED	AC I	UNIT	(GA	AS I	HEAT)									
				LY FAN	054		DX COOLI				HEAT			ELECTR	ICAL	NOMINAL	MIN. IEER	ESTIMATED	
MARK	CFM	TYPE	IN WG E.S.P.	MOTOR HP	OSA CFM	SENSIBLE MBH	TOTAL MBH	°FDB	ENT. °FWB	MBH INPUT	мвн оитрит	ACCESSORIES	МСА	МОСР	V/Ф/Hz	TONS	@ AHRI	WEIGHT (LBS.)	BASIS OF DESIGN
RTU-1	2,870	A	1.0	1.00	175	47.8	62.7	77	63.5	80	64	123456	31	45	208/3/60	6.0	14.5	1200	TRANE YHC072E3
RTU-2	3,070	A	1.0	2.75	340	64.9	83.6	77	63.5	120	96	123456	42	50	208/3/60	7.5	14.5	1200	TRANE YHC092F3

### **UNIT TYPES:**

**AUXILIARY GAS HEAT** 

- **ACCESSORIES:** (A) PACKAGED DX UNIT, BELT DRIVE WITH
  - 1) POWERED CONVENIENCE OUTLET IN WEATHERPROOF ENCLOSURE.
  - AUTOMATIC MINIMUM OUTSIDE AIR DAMPER. PROVIDE HOT GAS REHEAT.

  - PROVIDE MINIMUM 14" HEIGHT EQUIPMENT ROOF CURB. PROVIDE FACTORY-MOUNTED DISCONNECT.
  - PROVIDE WITH MANUFACTURER'S SUPPLIED HAIL GUARD TO PROTECT ALL EXPOSED CONDENSERS.

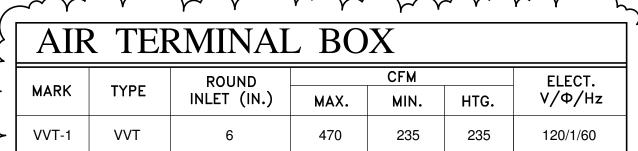
    - MID-LIFE CONDITION.
    - (6) 2" THICK PLEATED FILTERS (MERV 13)
- **GENERAL NOTES:**
- (1) MAXIMUM COIL AIR PRESSURE DROP = 1.0" WGSP.
- (2) FAN TO BE INTERNALLY ISOLATED.
- (3) MAX. COIL FACE VELOCITY = 500 FPM. (4) ESP DOES NOT INCLUDE PRESSURE DROP FOR INTERNAL UNIT COMPONENTS. SELECT FILTER PRESSURE DROP AT
  - (5) UNIT SHALL BE PROVIDED WITH HIGH STATIC DRIVE KITS AS REQUIRED TO MEET EXTERNAL STATIC PRESSURE REQUIREMENTS.
- (7) ALL UNIT EFFICIENCIES SHALL MEET THE INTERNATIONAL ENERGY CODE.
- 8 ALL UNITS SHALL BE SECURED TO CURBS AND TO BUILDING STRUCTURE WITH GALVANIZED HARDWARE AS REQUIRED TO MEET
- THE INTERNATIONAL BUILDING CODE.
- (9) PROVIDE TEMPORARY THERMOSTAT TO CONTROL BASIC FUNCTION.
- (10) PROVIDE UNITS WITH CONTROLS CAPABLE OF COMMUNICATING WITH BUILDING AUTOMATION SYSTEM.
  - (11) RTU WEIGHTS ARE SCHEDULED AS ESTIMATE AND FINAL WEIGHTS TO
  - BE COORDINATED WITH RTU SELECTION AND EQUIPMENT CURBS BY SHELL TEAM (TYPICAL OF ALL RTU'S)

#### OUTSIDE AIR CALCULATIONS (RTU-1) CFM / P | CFM / SF | UNCORRECTED OCCUPANCY CATEGORY $(A_z)$ $(P_z)$ OSA LOBBY - 100 5.0 0.06 CORRIDOR - 101 0.06 1,395 TOTAL SUPPLY AIR: 2,870 CFM TOTAL UNCORRECTED OSA: 133 CFM ZONE EFFECTIVENESS: 8.0 **VENTILATION EFFICIENCY:** 1.0 TOTAL CORRECTED OSA: 167 CFM TOTAL OSA PROVIDED: 175 CFM

- 1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1-2010 & 2015 IMC, TABLE 403.3.
- ZONE AIR DISTRIBUTION EFFECTIVENESS (E<sub>Z</sub>) IS 0.8 FOR CEILING SUPPLY OF WARM AIR 15°F OR MORE ABOVE SPACE TEMPERATURE.

OUTSIDE A	PEOPLE (Pz)	AREA (Az)	CFM / P	СҒМ	/ SF R <sub>a</sub> )	UNCORRECTED OSA	
RECEPTION - 102	2	181	5.0	C	0.06	21	
STORAGE - 104	0	58	5.0	C	).12	7	
PRINCIPAL - 105	1	295	5.0	C	0.06	23	
GUIDANCE COUNSELOR - 106	1	164	5.0	O	0.06	15	
RECORDS - 107	0	151	5.0	C	).12	19	
COUNSELOR - 108	1	151	5.0	O	0.06	15	
ASSISTANT PRINCIPAL - 109	1	146	5.0	C	0.06	14	
CONFERENCE - 110	10	271	5.0	C	0.06	67	
WORKROOM - 111	0	45	5.0	O	).12	6	
NURSE - 114	2	134	5.0	C	0.06	19	
SAFE - 121	0	34	5.0	C	).12	5	
FINANCE SECRETARY - 122	1	89	5.0	O	0.06	11	
CORRIDOR - 124		516		C	0.06	31	
		TOTAL	SUPPLY AIR (V <sub>pz</sub> )	:	(	3,070 CFM	
		TOTAL UI	NCORRECTED (V <sub>ou</sub> )	OSA:		253 CFM	
		ZONE I	EFFECTIVENES (Ez)	S:		0.8	
		VENTILA	FION EFFICIEN (E <sub>V</sub> )	ICY:	1.0		
		TOTAL (	CORRECTED O	SA:		317 CFM	
		TOTAL	OSA PROVIDE	D:		340 CFM	

1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1-2010 & 2015 IMC, TABLE 403.3. 2. ZONE AIR DISTRIBUTION EFFECTIVENESS (E<sub>7</sub>) IS 0.8 FOR CEILING SUPPLY OF WARM AIR 15°F OR MORE ABOVE SPACE TEMPERATURE.

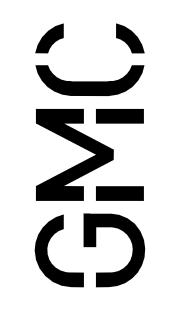


VV = VARIABLE VOLUME - NO COIL VVR = VARIABLE VOLUME REHEAT - TURN DOWN TO MINIMUM

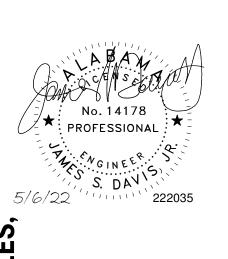
CVR = CONSTANT VOLUME REHEAT - TURN DOWN TO MINIMUM

VVT = VARIABLE VOLUME TERMINAL UNIT - HEATING / COOLING CHANGEOVER CONTROLS

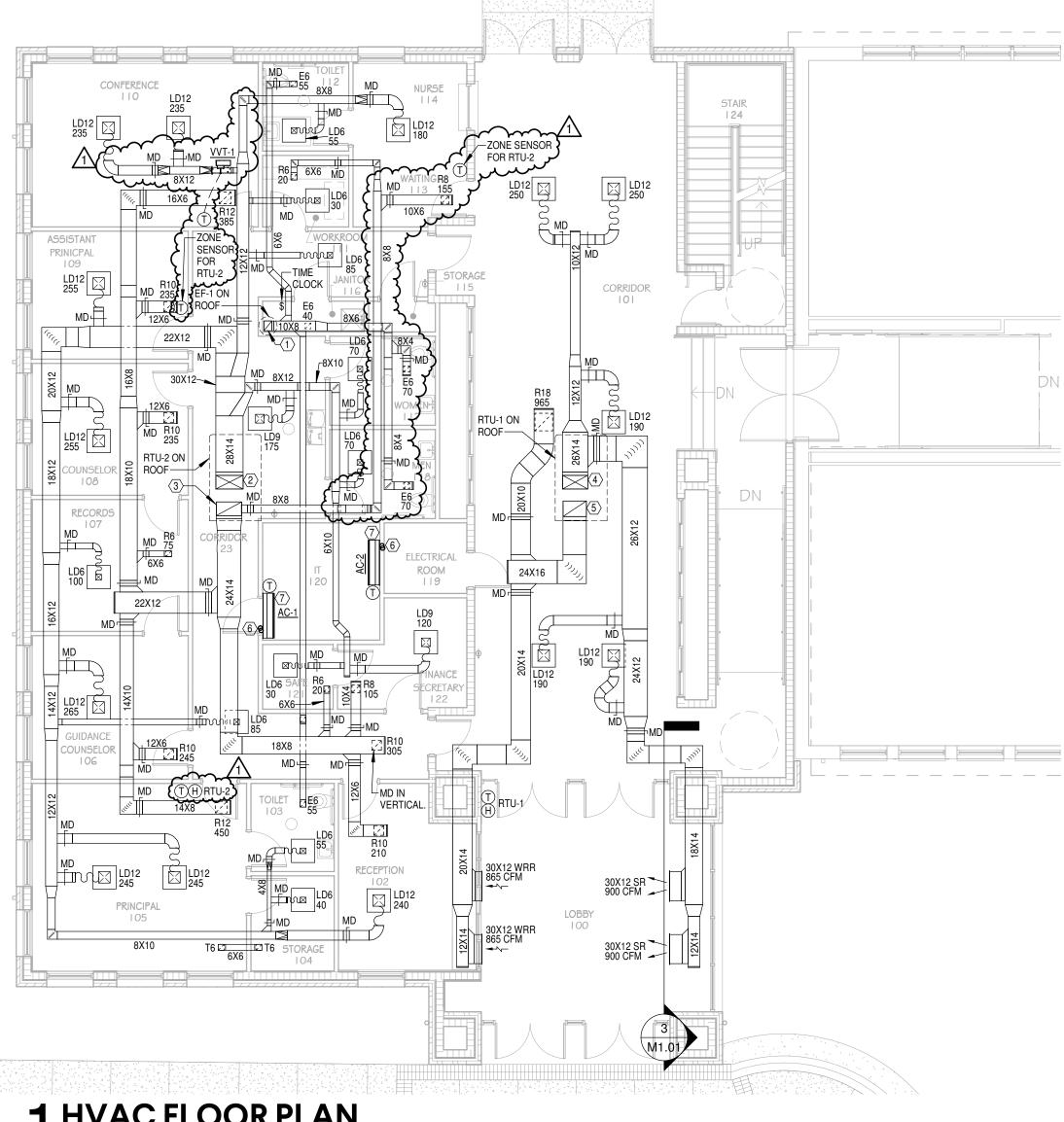
(A) ENTERING AIR =  $55^{\circ}$ F. (B) ALL BOXES STANDARD LINING UNLESS OTHERWISE NOTED. **MW / Davis Dumas** & Associates, Inc. CONSULTING ENGINEERS 4500 Southlake Park, Suite 200 Hoover, Alabama 35244 Phone: (205) 252-0246 www.mwdda.com Project # 222035



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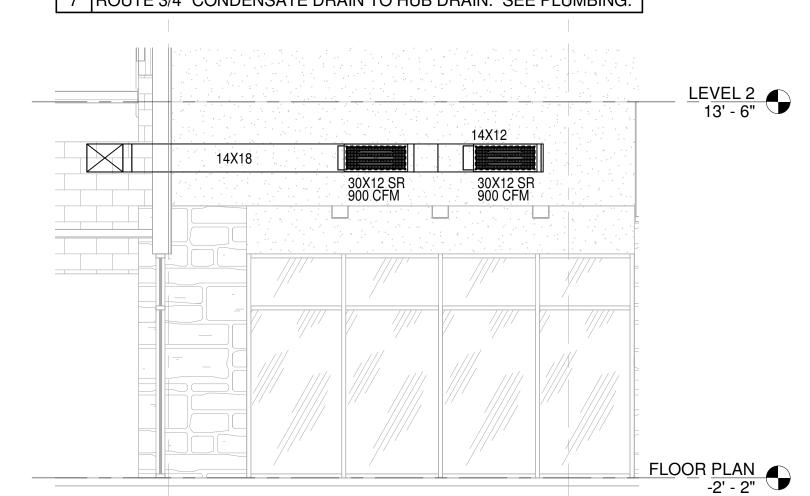




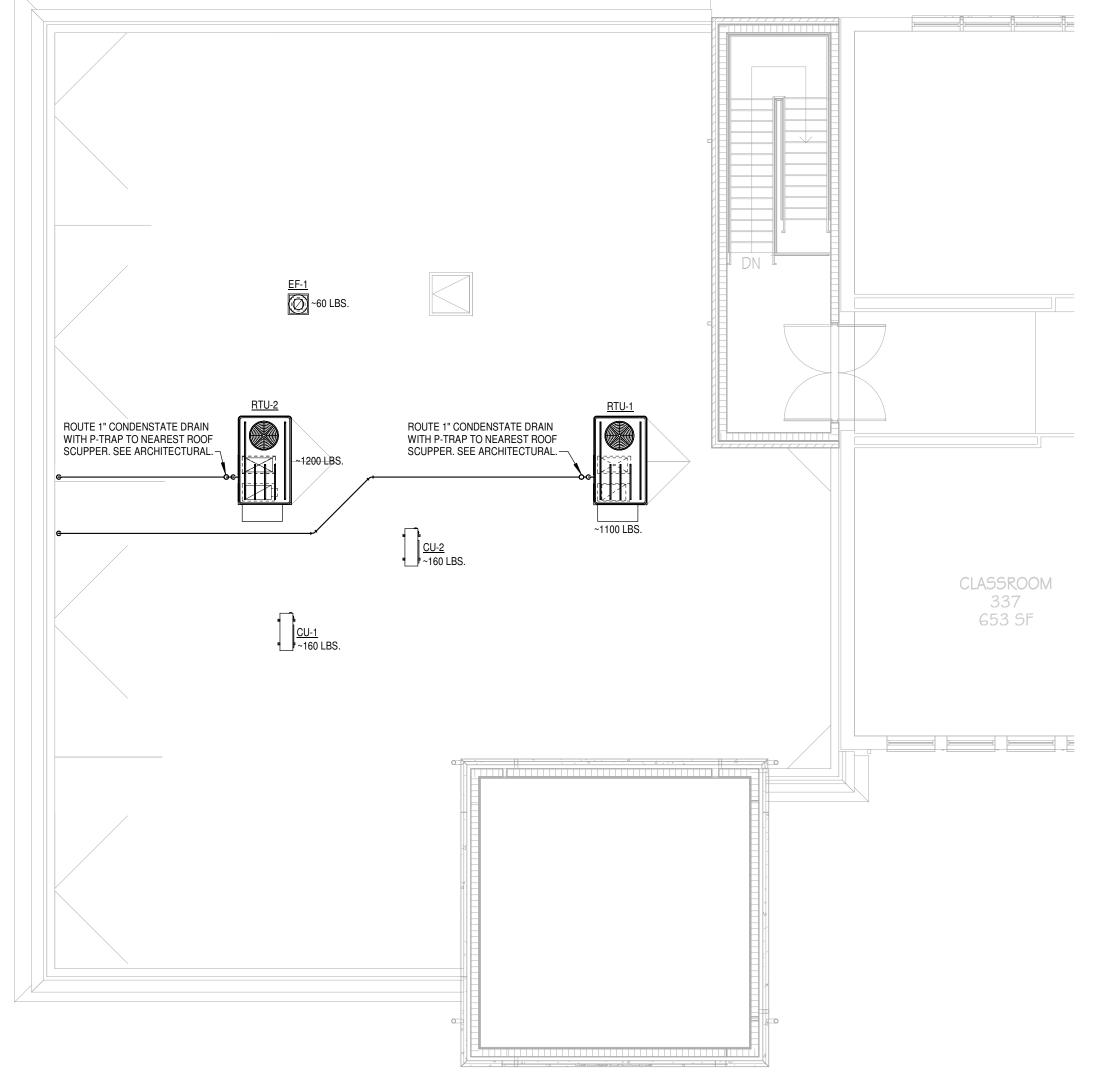
# 1 HVAC FLOOR PLAN SCALE: 1/8" = 1'-0"

HVAC FLOOR PLAN KEYED NOTES

1 10X8 EXHAUST DUCT UP TO ROOF.
2 28X14 SUPPLY DUCT UP TO ROOF.
3 26X14 RETURN DUCT UP TO ROOF.
4 26X14 SUPPLY DUCT UP TO ROOF.
5 24X16 RETURN DUCT UP TO ROOF.
6 REFRIGERANT PIPING UP TO ROOF. SIZE PER MANUFACTURER'S INSTRUCTIONS.
7 ROUTE 3/4" CONDENSATE DRAIN TO HUB DRAIN. SEE PLUMBING.



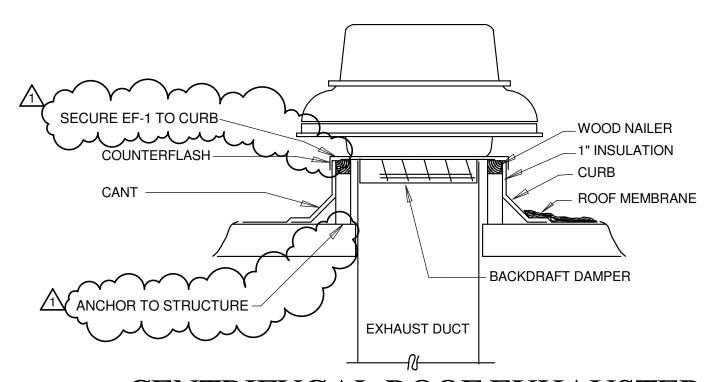
3 HVAC SECTION VIEW SCALE: 1/4" = 1'-0"



2 HVAC ROOF PLAN SCALE: 1/8" = 1'-0"

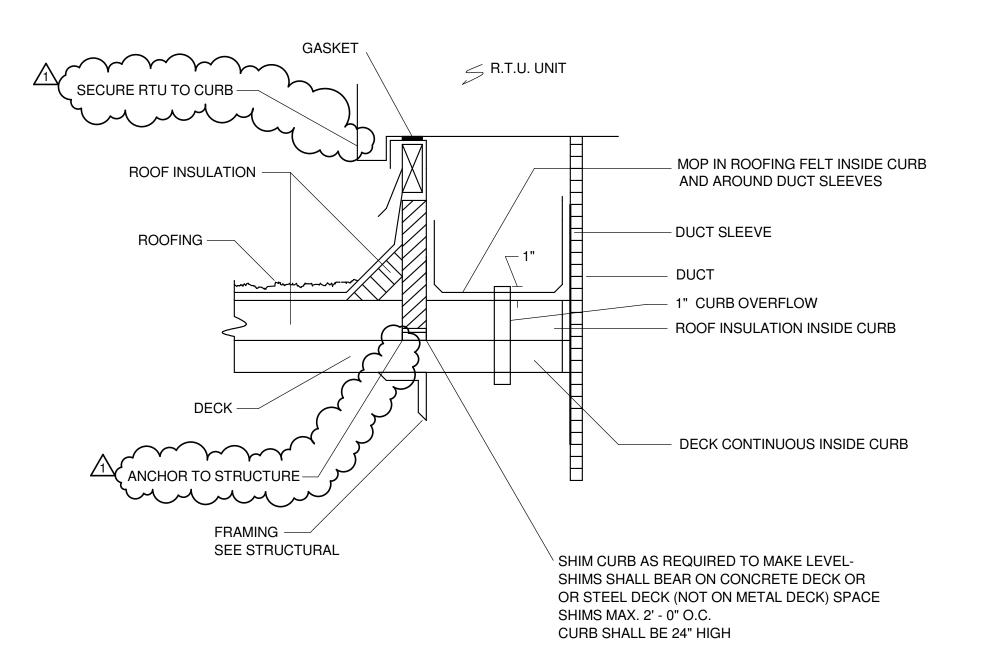
# AC UNIT DRAIN TRAP

(POSITIVE PRESSURE) NO SCALE



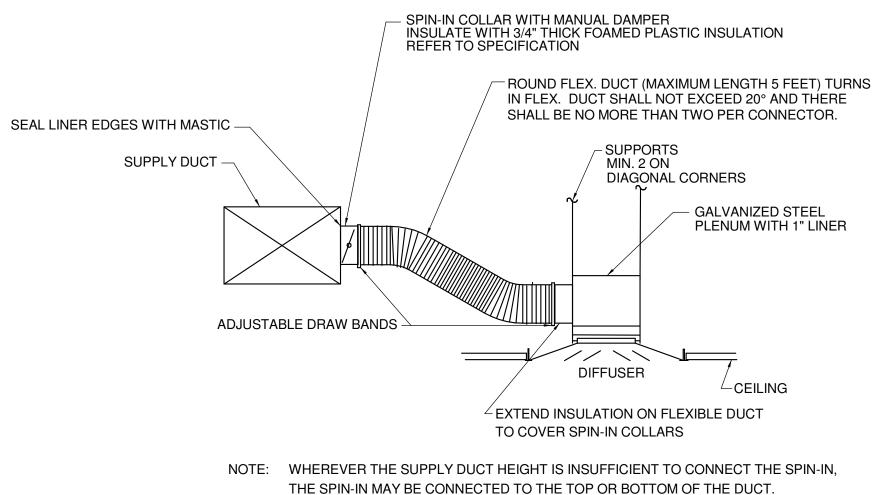
## CENTRIFUGAL ROOF EXHAUSTER MOUNTING DETAIL

NOTE: SECURE ROOF CURB TO ROOF STRUCTURE IN ACCORDANCE WITH,



# TYPICAL R.T.U. UNIT MOUNTING DETAIL

NO SCALE NOTE: SECURE ROOF CURB TO ROOF STRUCTURE IN ACCORDANCE WITH



— GALVANIZED STEEL PLENUM WITH 1" SEAL LINER EDGES WITH MASTIC - BOX HEIGHT ROUND DUCT DIAMETER
 PLUS 2" (MINIMUM DIFFUSER NECK
 SIZE PLUS 2") LINER OPPOSED BLADE ADAPTOR FROM DIFFUSER NECK TO PLENUM. PROVIDE AT LEAST 2 SCREWS ON ALL SIDES MAXIMUM 12" ON CENTER. IF THE BRANCH DUCT MUST BE CONNECTED TO THE SIDE OF THE MAIN DUCT, USE A RECTANGULAR PLENUM DETAIL BRANCH DUCT CONNECTION (SEE DETAIL) OF EQUAL AIR VELOCITY AND TRANSITION TO ROUND DUCT.

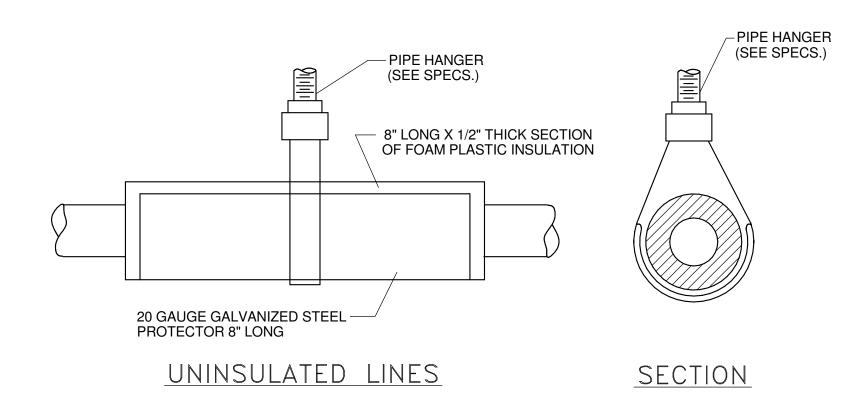
### REFER TO SPECIFICATION FOR MAXIMUM TURNS IN FLEX DUCT. CEILING DIFFUSER DETAIL WITH LINER

PIPE HANGER-SEE SPECS.

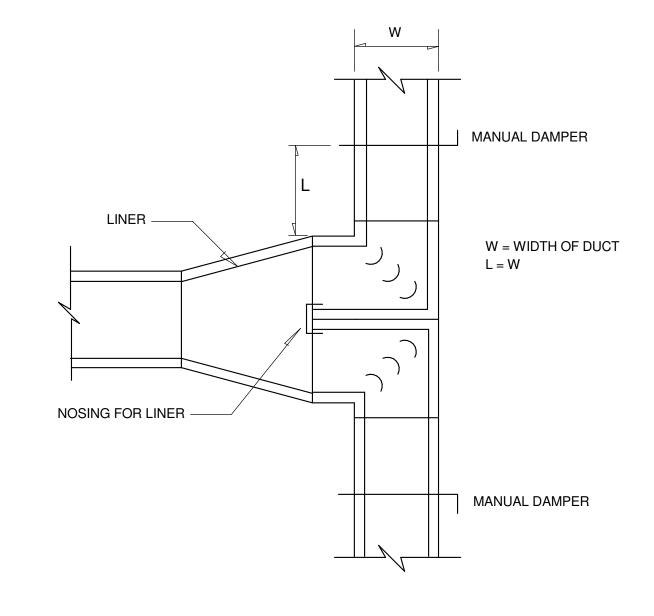
- INSULATION

NO SCALE

INSULATED LINES



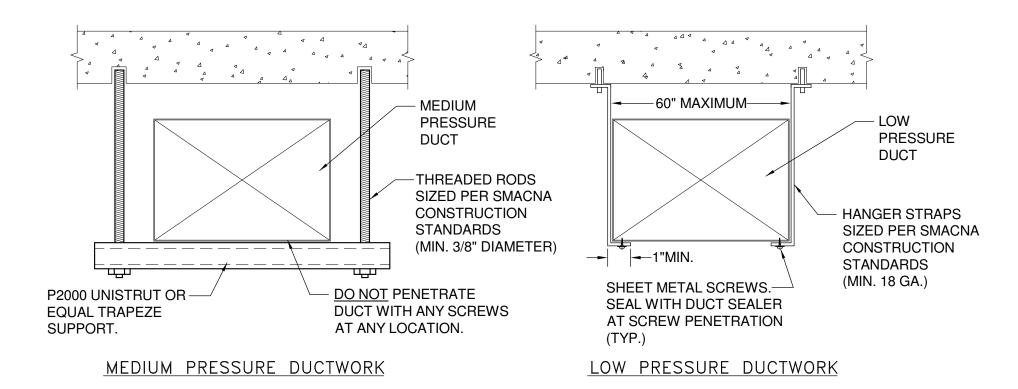
20 GAUGE GALVANIZED STEEL PROTECTOR 8" LONG



# REFRIGERANT LINES HANGERS

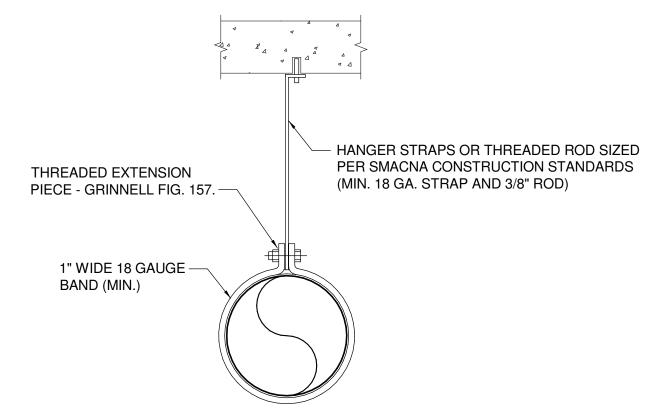
**DUCT SPLITTER DETAIL** NO SCALE

NOT TO SCALE



# RECTANGULAR DUCTWORK HANGER/SUPPORT DETAILS

NOT TO SCALE



# ROUND DUCTWORK HANGER/SUPPORT DETAILS

**MW / Davis Dumas** & Associates, Inc. **CONSULTING ENGINEERS** 4500 Southlake Park, Suite 200 Hoover, Alabama 35244 Phone: (205) 252-0246 www.mwdda.com Project # 222035

S. DAVIS

### **CONTROLS NOTES**

**SCHEDULES AND SET POINTS:** 

THE CONTROLS CONTRACTOR SHALL MEET WITH OWNER AS REQUIRED TO SET UP ALL HVAC CONTROLS SCHEDULES, TEMPERATURE/HUMIDITY SET POINTS, OCCUPIED AND UNOCCUPIED SET POINTS, ETC PRIOR TO

## TYPICAL PACKAGED AC UNIT CONTROLS DIAGRAM

\* ROOM TEMPERATURE SENSOR FOR RTU-2 (SEE SHEET M1.01 FOR LOCATIONS) GENERAL CONTROLS NOTES:

THE CONTRACTOR SHALL PROVIDE CONTROLS AS REQUIRED FOR THE NEW WORK. THE WORK SHALL INCLUDE ALL CONTROL PANELS, WIRING, CONDUIT, CONTROL SEQUENCES, POWER WIRING, AND COMPONENTS NECESSARY TO PROVIDE A COMPLETE SYSTEM. ALL CONTROL WIRING SHALL BE INSTALLED IN CONDUIT IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS AND SPECIFICATIONS.

#### CONTROL SEQUENCES

OCCUPIED MODE:

THE THERMOSTAT SHALL START

SPEED SUPPLY FANS (AS SCHEDULED) SHALL MODULATE THE SUPPLY AIR FLOW AS REQUIRED AND PROGRAMMED BY THE FACTORY RTU CONTROLS TO MAINTAIN THE SPACE TEMPERATURE AT SETPOINT AND SUPPLY AIR TEMPERATURE FOR HEATING AND COOLING

#### **OUTSIDE AIR ECONOMIZER:**

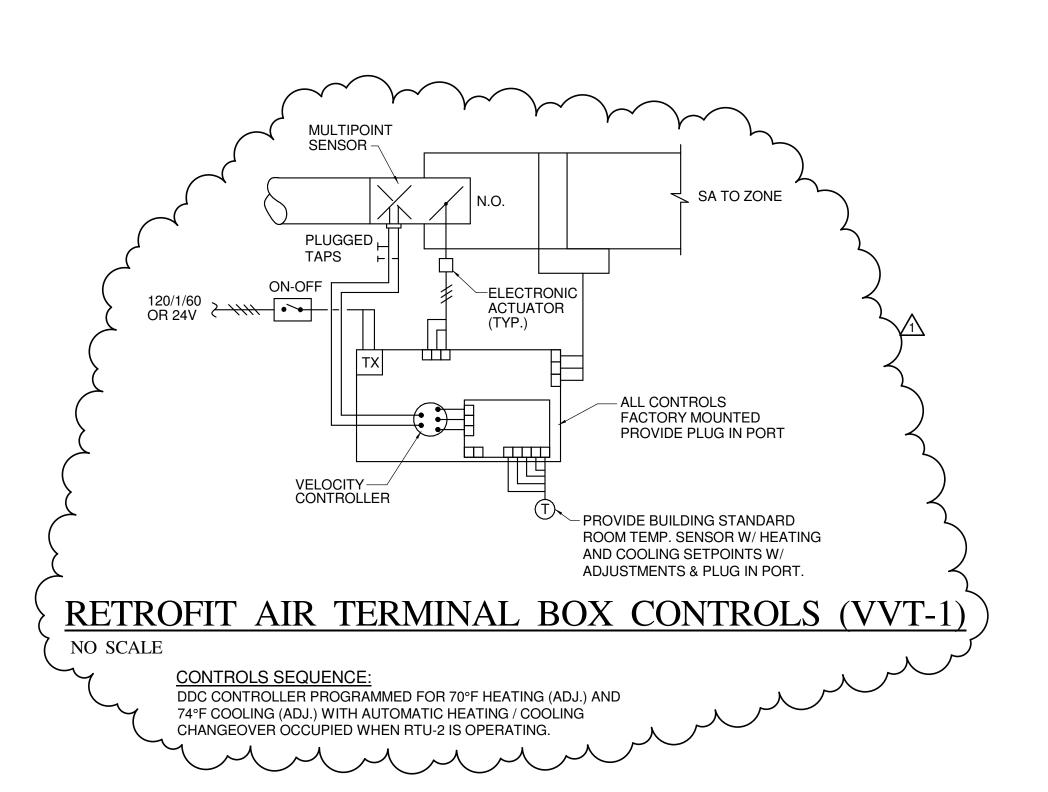
WHEN THE OSA TEMPERATURE IS BELOW 55°F (ADJ.) AND THE RTU IS RUNNING AND THE SPACE IS CALLING FOR COOLING, MECHANICAL COOLING WILL BE DISABLED AND THE ECONOMIZER MODE SHALL BE ENABLED. THE BAS SHALL MODULATE THE MINIMUM OSA DAMPER, THE MAXIMUM OSA DAMPER AND THE RETURN AIR DAMPER TO MAINTAIN 55°F (ADJ.) SUPPLY AIR TEMPERATURE. IF THE SYSTEM IS OUT OF ECONOMIZER MODE AND THE OSA TEMPERATURE IS BELOW 65°F (ADJ.) AND THE SPACE IS CALLING FOR COOLING, THE FIRST STAGE OF COOLING HAS PROOFED ON FOR 5 MINUTES AND THE SPACE HUMIDITY IS BELOW 50% RH, THE OUTSIDE AIR DAMPER SHALL OPEN AND THE RETURN AIR DAMPERS SHALL CLOSE 100%. IF SPACE HUMIDITY RISES ABOVE 50%, THE OUTSIDE AIR DAMPER SHALL CLOSE TO MINIMUM, RETURN AIR OPENS, AND UNIT OPERATE IN DEHUMIDIFICATION MODE (HOT GAS REHEAT).

### **GAS HEAT OPERATION:**

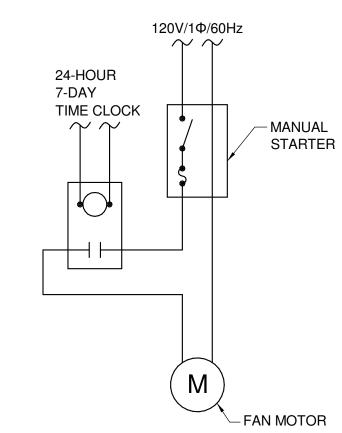
ON A DROP IN ROOM TEMPERATURE BELOW SET POINT THE THERMOSTAT SHALL STAGE ON THE GAS HEATING COIL IN THE UNIT AS REQUIRED TO MAINTAIN ROOM TEMPERATURE SET POINT.

### **UNOCCUPIED MODE:**

THE BAS SHALL START THE RTU USING THE OCCUPIED HEATING AND COOLING SEQUENCES WHENEVER ANY SPACE TEMPERATURE SENSOR READS ABOVE 82°F (ADJ.) OR WHEN THE SPACE HUMIDITY SENSOR READS ABOVE 65% RH (ADJ.). ALL OUTSIDE AIR DAMPERS SHALL REMAIN CLOSED AT ALL TIMES DURING UNOCCUPIED MODE UNLESS UNIT IS IN ECONOMIZER CYCLE. COORDINATE ALL UNOOCUPIED SETPOINTS WITH OWNER PRIOR TO PROGRAMMING.



THE PROGRAMMING OF THE THERMOSTATS/DDC CONTROLLERS.



EXHAUST FAN EF-1 CONTROLS

NO SCALE





208-230V/1Φ/60Hz

NO SCALE

FUSE

TRUYA0301HA70NA

TPKA0A0301KA70A

CU-1/AC-1 AND CU-2/AC-2 REFRIGERANT

PIPING AND CONTROLS SCHEMATIC

208-230V/1Φ/60Hz

TRUYA0301HA70NA

TPKA0A0301KA70A

	PLUMBING FIXTURE CONNECTION & DESCRIPTION SCHEDULE										
MARK FIXTURE WASTE COLD HOT WATER REMARKS											
WC1	WATER CLOSET, ADA	4"	1"		FLOOR MOUNTED, FLUSH VALVE TYPE, ADA						
LV1	LAVATORY, ADA	1-1/4"	3/8"	3/8"	WALL HUNG, ASSE 1070 MIXING VALVE						
EWC1	ELECTRIC WATER COOLER, BI-LEVEL	1-1/4"	3/8"		WALL HUNG, BI-LEVEL, ADA, BOTTLE FILLER & FILTER						
JR1	JANITOR'S RECEPTOR	3"	1/2"	1/2"	PRECAST, FLOOR MOUNT						

—-—→ COLD WATER

SET TO 3 GPM

RELIEF VALVE

EXPANSION TANK-AMTROL ST5

— DIELECTRIC UNION (TYPICAL)

WATER HEATER

1 1/2" X 1 1/2" X 1/8" L FRAME AND SUPPORT SECURELY ANCHOR TO

MOUNT AS HIGH AS POSSIBLE

ELECTRIC WATER HEATER ON SHELF

120° CIRCULATION PUMP (CP-1) INCULDE 7 DAY CLOCK AND AQUASTAT.

—2" DEEP 22GA. SHEET METAL DRAIN PAN ON 24" X 24" X 3/4" THICK PLYWOOD SECURED TO ANGLE IRON FRAME.

— 120°HWR → HW RETURN

TEMPERATURE & PRESSURE RELIEF VALVE

PIPE TO JANITOR'S SINK -

NO SCALE

WATER HEATER										
TAG	SERVING	TYPE	GALLONS	RECOVERY @ 80°F GPH	EWT °F	LVT °F	KW	V/	MODEL	
EWH-1	BUILDING - ANNEX	ELECTRIC TANK	30	41	60	140	4/4	208/1	AO SMITH DEL-30	

CIRCI	JLATORS					
TAG	SERVES	TYPE	ELECTRICAL	CAPACITY	BASIS OF DESIGN	NOTE
CP-1	140° HWR	IN LINE BRONZE	120/1	3 GPM @ 20 FT	B&G PL-30	1

NOTE: WATTAGE IN BASED ON (2) 4KW ELEMENTS WITH SIMULTANEOUS OPERATION.

NOT	E:					
1	AQUA	STAT C	ONTROL	AND	7-DAY	CLOCK



STORM LINE

BALL VALVE

COLD WATER LINE

PIPE TURNING UP

PIPE TURNING DOWN

PRESSURE REDUCING STATION

ABOVE FINISHED FLOOR

FLOOR CLEAN OUT

WALL HYDRANT

CLEANOUT

COLD WATER

**HUB DRAIN** 

VENT THRU ROOF

EXTERIOR CLEANOUT

NON-POTABLE WATER

-----

——— s ———

—AS SHOWN ON PLANS

SOIL OR WASTE LINE		LOCATIONS OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE. VERIFY PRIOR TO				
VENT LINE		BIDDING.				
DRAIN PIPE	2.	ALL OUTSIDE CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN 18"X18"X6"				

THICK CONCRETE PAD. 3. WHEREVER DISSIMILAR METALS ARE CONNECTED A DIELECTRIC CONNECTOR SHALL

**GENERAL NOTES** 

BE USED.

4. ALL HORIZONTAL WATER, GAS, AND VENT PIPING IS RUN ABOVE CEILING ON PLAN WHICH SHOWN UNLESS OTHERWISE NOTED.

5. ALL HORIZONTAL SANITARY AND STORM PIPING IS RUN BELOW FLOOR ON PLAN WHICH SHOWN UNLESS OTHERWISE NOTED.

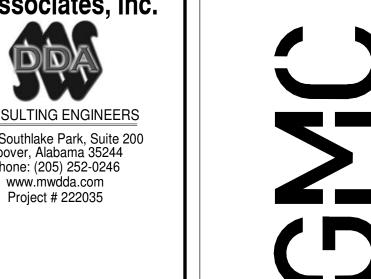
6. ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW FLOOR.

7. COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL FEATURES OF BUILDING.

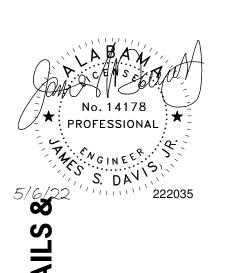
8. PAVEMENT CUTS, BACKFILLING AND PATCHES SHALL MEET LOCAL REQUIREMENTS.

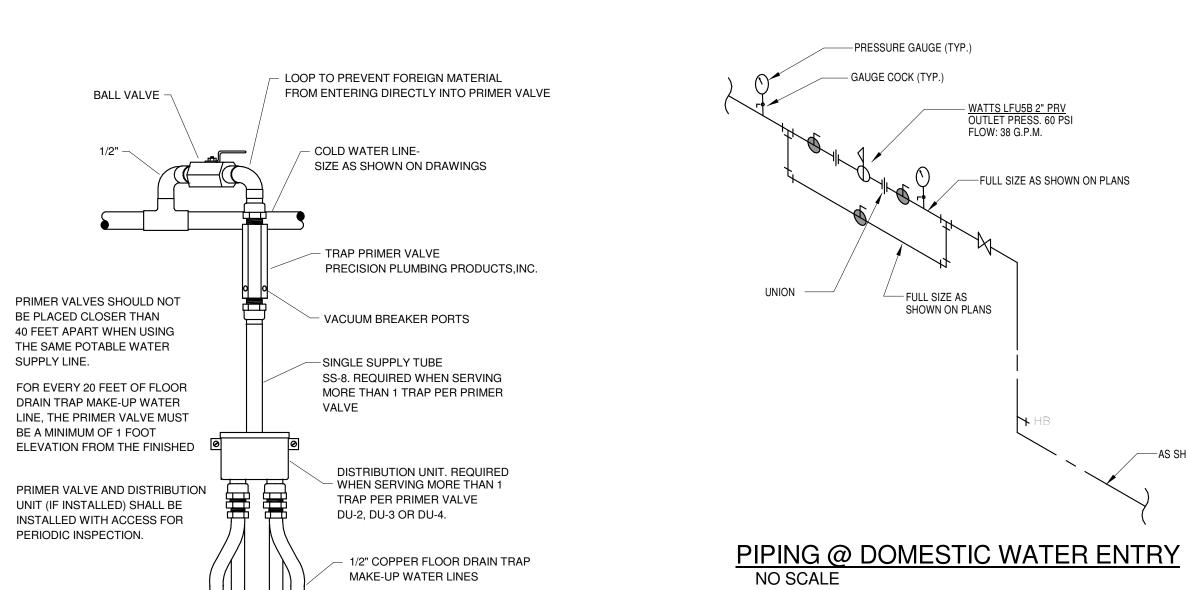
9. WALL HYDRANTS AND ROOF HYDRANTS SHALL BE FREEZE RESISTANT.



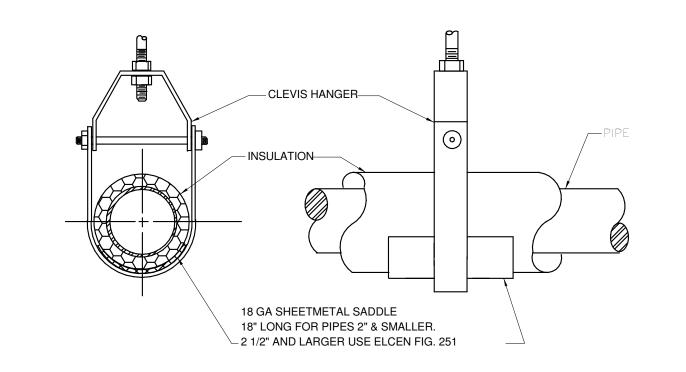


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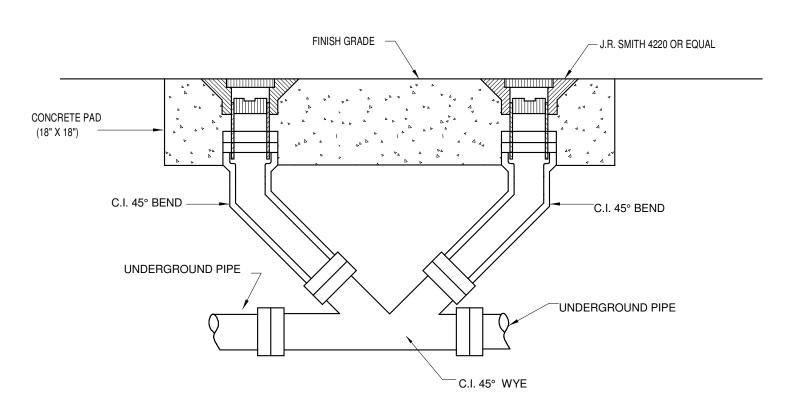




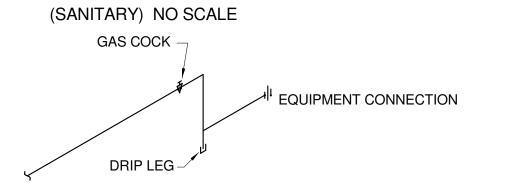




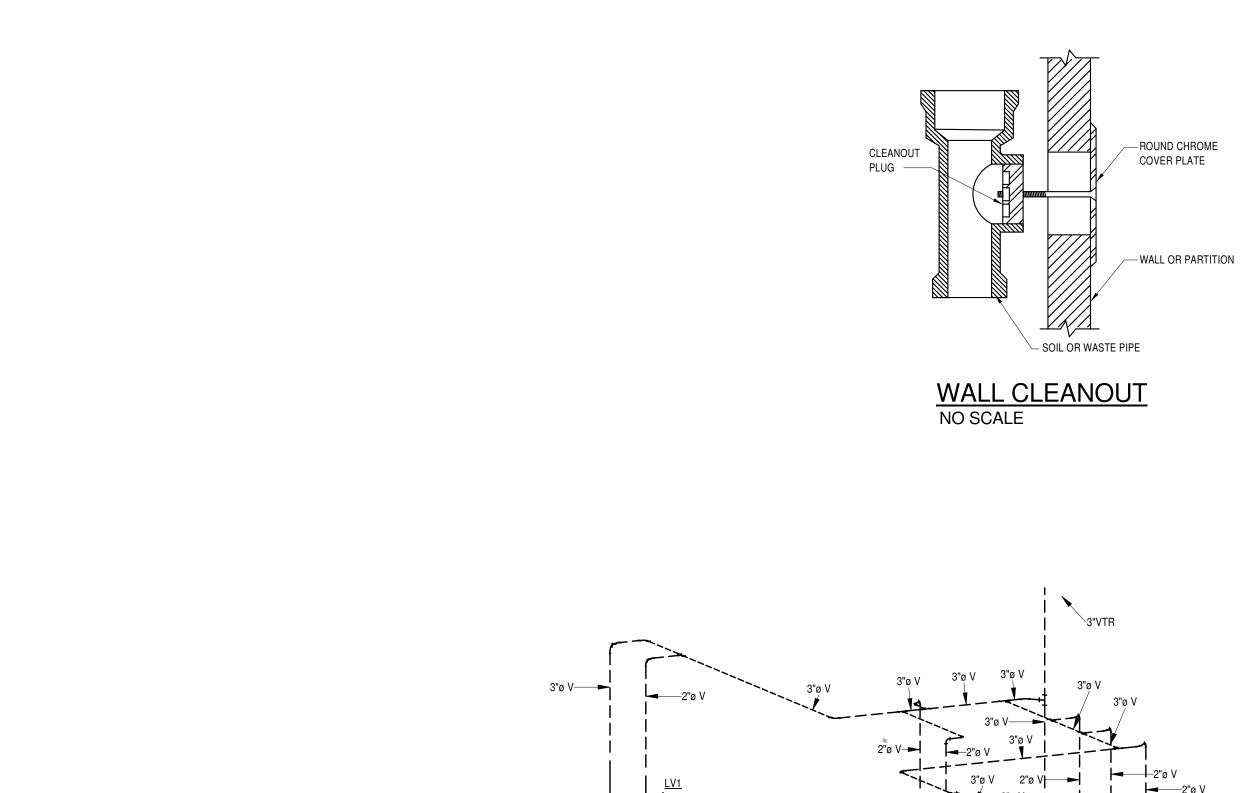
### SUSPENDED PIPE SUPPORT NO SCALE



# **DETAIL of EXTERIOR CLEANOUT to GRADE**



TYPICAL GAS CONNECTION NO SCALE



4"W UNDERGROUND, CONTINUATION BY CIVIL. **Sanitary Riser** 

BALL VALVE -

PRIMER VALVES SHOULD NOT

BE PLACED CLOSER THAN

40 FEET APART WHEN USING

THE SAME POTABLE WATER

FOR EVERY 20 FEET OF FLOOR

DRAIN TRAP MAKE-UP WATER

LINE, THE PRIMER VALVE MUST BE A MINIMUM OF 1 FOOT ELEVATION FROM THE FINISHED

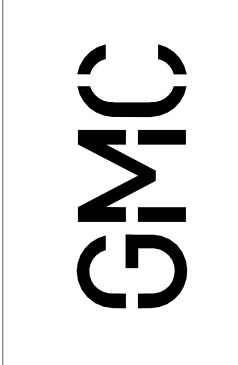
PERIODIC INSPECTION.

NO SCALE

**DETAIL-TRAP PRIMER INSTALLATION** 

SUPPLY LINE.





117 Jefferson Street Huntsville, AL 35801 T 256.539.3431

DCM Comments 06/10/22

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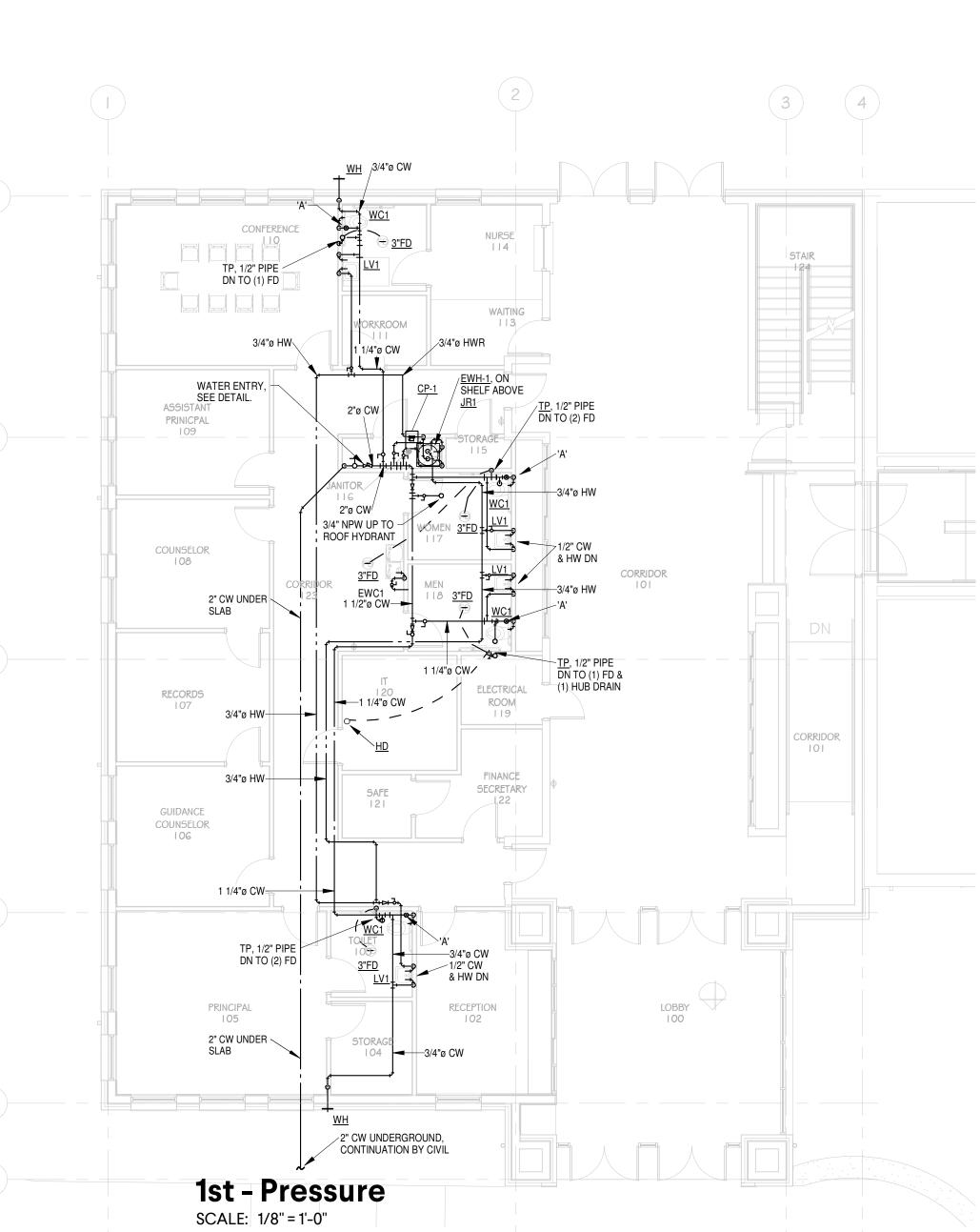
NORTH COMMONS STREET CUMBIA, AL. 35674 C# AHUN210012

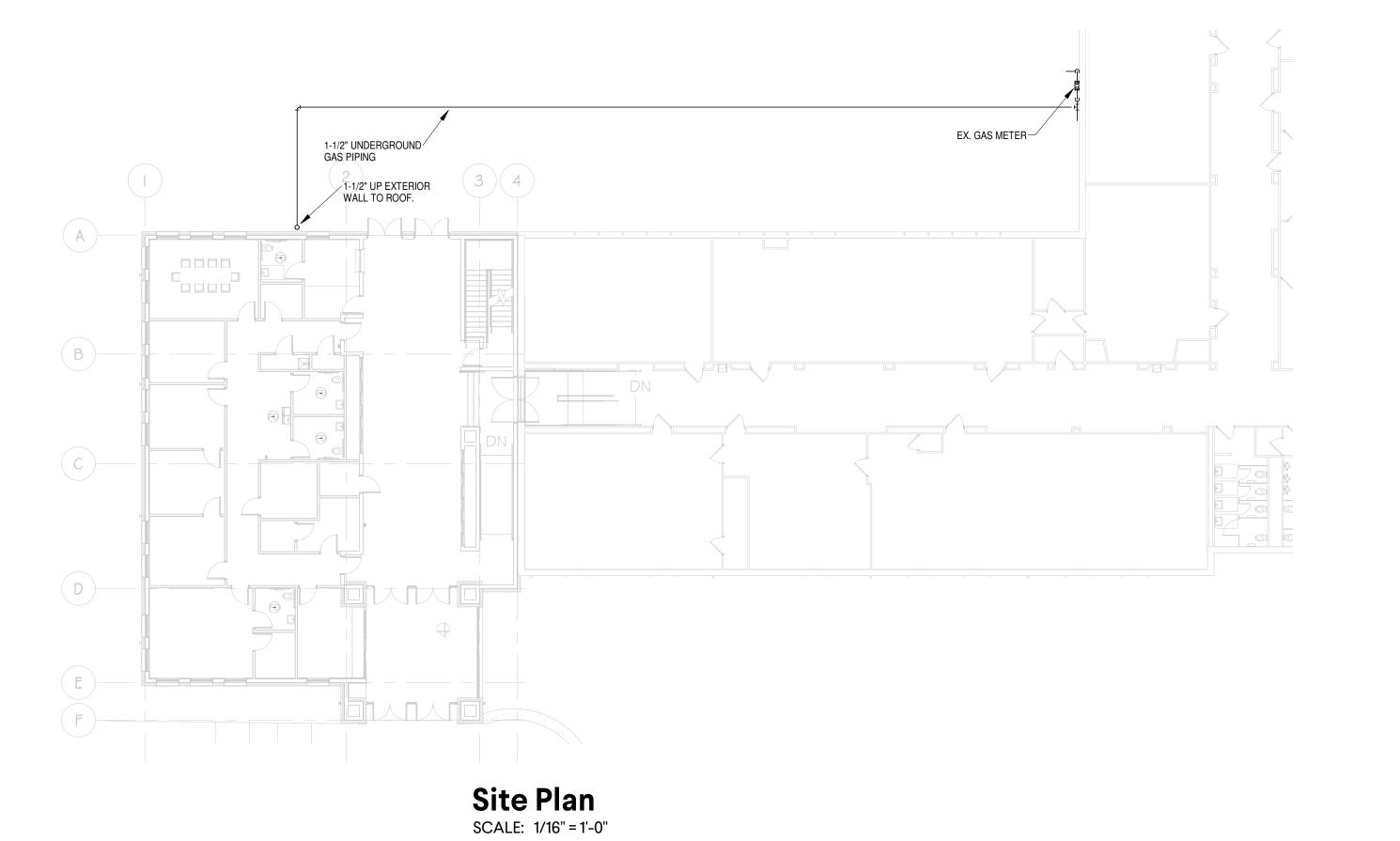


PLUMBING - NEW WORK PLANS

P1.00

Roof Lower - Pressure





CONFERENCE 110

ASSISTANT PRINICPAL I 09

4"W UNDERGROUND, CONTINUATION BY CIVIL

> RECORDS 107

GUIDANCE COUNSELOR 106

> STORAGE 104

1st - Non-Pressure SCALE: 1/8" = 1'-0"

LOBBY 100

ECO ECO



LIGHTING (SEE LIGHT FIXTURE SCHEDULE)

LIGHTING CONTROLS

ABBREVIATIONS

**BRANCH CIRCUITS** 

ISOLATED GROUND

MCB MAIN CIRCUIT BREAKER

TBB TELEPHONE BACK BOARD

TAMPER PROOF

UNDER COUNTER

WAP WIRELESS ACCESS POINT

EXISTING - REMOVE

XRL EXISTING - RELOCATED

WP WEATHERPROOF, NEMA 3R.

XRR EXISTING - REMOVE AND RELOCATE

UNDER GROUND

TELEVISION

TYPICAL

REMOVE AND REPLACE WITH NEW

NIGHT LIGHT

MLO MAIN LUGS ONLY

- 1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL ORDINANCES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
- 2. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL DETAILS OF THE WORK AND ALL
- EXISTING FIELD CONDITIONS.
- 3. CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL INSTALLATION INCLUDING ALL WORK CUSTOMARILY INCLUDED EVEN IF NOT SPECIFICALLY CALLED OUT.
- 4. THE ELECTRICAL CONTRACTOR SHALL CAREFULLY COORDINATE HIS WORK WITH OTHER CONTRACTORS THROUGH THE GENERAL CONTRACTOR FOR SPACE REQUIREMENTS. ETC.
- 5. CONTRACTOR SHALL VERIFY ALL MECHANICAL EQUIPMENT NAMEPLATE DATA BEFORE ANY WORK IS DONE AND
- MAKE ANY ADJUSTMENTS IN BREAKER AND WIRE SIZE AS MAY BE REQUIRED.
- 6. SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE CONTRACT DOCUMENTS OR BE IN
- 7. THE ELECTRICAL DRAWINGS ARE SCHEMATIC AND ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF CONDUITS, OUTLETS, ETC. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS AND SHALL FIT HIS WORK TO CONFORM WITH THE BUILDING CONSTRUCTION AND WITH THE OTHER

DOUBT AS TO INTENT, HE SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ARCHITECT OR ENGINEER

- 8. ATTENTION IS CALLED TO THE FACT THAT THIS IS A RENOVATION OF AN EXISTING BUILDING. WHEN THE WORK IS FINISHED, THE ELECTRICAL SHALL BE COMPLETE IN EVERY RESPECT, COMPLETELY INTEGRATED WITH ALL THE
- EXISTING ELECTRICAL SYSTEMS. ELECTRICAL SERVICE TO THE EXISTING BUILDING SHALL NOT BE INTERRUPTED AT ANY TIME, PROVIDE ALL THE NECESSARY TIES AND TEMPORARY SERVICE TO ACHIEVE THIS CONDITION. 9. RENOVATION/ADDITION SHALL BE MADE TO TIE INTO EXISTING IN A UNIFORM MANNER. SIMILAR ITEMS IN NEW BUILDING SHALL BE CHECKED AGAINST EXISTING BUILDING AS FOR TYPE MOUNTING, MOUNTING HEIGHTS, ETC.

ANY ITEMS SHOWN IN NEW ADDITION AT VARIANCE FROM ABOVE SHALL BE REFERRED TO ARCHITECT FOR

DECISION BEFORE ROUGHING IN. 10. DEMOLITION: ALL EXISTING BRANCH CIRCUITS NOT REUSED ON THIS PROJECT SHALL BE REMOVED BACK TO THE ELECTRICAL PANELBOARD. THIS INCLUDES ALL CONDUIT, CONDUCTORS, JUNCTION BOXES, INACTIVE DATA AND TELEPHONE CABLES, HANGERS, AND ALL INACTIVE ELECTRICAL DEVICES. CONTRACTOR SHALL VERIFY THAT

ANYTHING REMOVED DOES NOT BELONG TO ANOTHER TENANT.

- 11. SHOULD ANY ELECTRICAL POWER, LIGHT OR AUXILIARY, CIRCUITS, FEEDERS OR EQUIPMENT BE SEVERED, DISCONNECTED OR DELETED IN THE PROCESS OF CONSTRUCTION OR REMODELING WHICH IS NOTED A RESULT OF CONTRACT PLANS AND SPECIFICATIONS, AND UNLESS IT IS SPECIFICALLY DESIGNATED BY THE DRAWINGS TO BE DELETED, THEN SAID CIRCUIT OR FEEDER SHALL BE RESTORED TO FIRST CLASS WORKING CONDITION. THE RESTORATION SHALL INCLUDE ANY RE-ROUTING, RELOCATIONS OR REPLACEMENT AS MAY BE NECESSITATED BY THE ARCHITECTURAL AND STRUCTURAL CONSTRUCTION. ANY SUCH WORK REQUIRED SHALL BE INCLUDED IN THE ELECTRICAL CONTRACT AND NO EXTRA COMPENSATION WILL BE GRANTED.
- 12. THE ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING, PATCHING AND REPAIRING REQUIRED TO DO THIS WORK. REPAIRING OF WORK SHALL BE COMPARABLE TO WORK CUT. PAINT TO MATCH ADJACENT SURFACES OR AS DIRECTED BY ARCHITECT. COORDINATE WITH GENERAL CONTRACTOR.
- 13. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT HEIGHT OF ALL COUNTER TOPS AND BACK-SPLASHES ON CASEWORK SHOP DRAWINGS, AND CHANGE SPECIFIED MOUNTING HEIGHT OF WALL OUTLETS INDICATED AS REQUIRED SO THAT BOTTOM OF OUTLET BOX IS 2" ABOVE TOP OF BACK-SPLASH OR IF NO BACK-SPLASH IS USED, 4" ABOVE COUNTERTOP.
- 14. DO NOT MOUNT OUTLETS BACK-T0-BACK. PROVIDE MINIMUM 24" SEPARATION IN FIRE RATED WALLS.
- 15. ALL OUTLETS IN EXPOSED CONCRETE BLOCKS SHALL BE ADJUSTED AS REQUIRED TO ALLOW CUTTING OF ONLY ONE BLOCK. MAINTAIN UNIFORM HEIGHTS THROUGHOUT THE BUILDING.
- 16. VERIFY ALL DOOR SWINGS WITH ARCHITECT PRIOR TO ROUGHING LIGHT SWITCHES.
- 17. CONTRACTOR SHALL CHECK ALL LIGHT FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN.
- 18. BRANCH CIRCUITS #12 A.W.G. AND 1/2" CONDUIT (GALVANIZED) MINIMUM. CONDUCTORS SHALL BE 98% CONDUCTIVITY COPPER, SEE SPECIFICATIONS FOR TYPE INSULATION.
- 19. VOLTAGE DROP: FOR 20 AMP CIRCUITS OVER 100 FEET AND LESS THAN 175 FEET, USE #10 CONDUCTORS. FOR 20 AMP CIRCUITS OVER 175 FEET AND LESS THAN 275 FEET, USE #8 CONDUCTORS.
- 20. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS.
- 21. THE ATTACHED DRAWINGS WERE DEVELOPED FROM RECORD DRAWINGS AND INFORMATION PROVIDED BY OTHERS WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD BEFORE PROCEEDING WITH SUBSEQUENT WORK. THE DESIGN TEAM SHALL BE NOTIFIED OF ANY DISCREPANCIES OR CONFLICTS WITH DRAWINGS FOR CLARIFICATION PRIOR TO PROCEEDING
- 22. FOR ALL SINGLE-PHASE CIRCUITS SHARING A NEUTRAL WITH OTHER SINGLE-PHASE CIRCUITS, CONTRACTOR SHALL INSTALL CIRCUIT BREAKER HANDLE TIES WHICH WILL PROVIDE FOR SIMULTANEOUS DISCONNECTION OF ALL CIRCUIT BREAKERS FOR CIRCUITS WHICH SHARE THE SAME NEUTRAL. HANDLE TIE SHALL NOT PREVENT THE REQUIRED TRIPPING OF A BREAKER.
- 23. QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO ENGINEER PRIOR TO AWARDING OF CONTRACT. OTHERWISE THE ENGINEER'S INTERPRETATION OF THE MEANING AND INTENT OF DRAWINGS SHALL
- 24. ALL NEW PANELS SHALL BE LABELED PER NEC 110.24 AND NEC 408.4(B) PROVIDE ENGRAVED LABELS.

DO NOT SCALE DIMENSIONS FROM DRAWINGS. CONSULT

OWNER/ARCHITECT FOR EXACT DIMENSIONAL DATA.

## LIGHTING CONTROL NOTES

- 1. ALL LIGHTING CONTROL TO BE PER ASHRAE 90.1 2013 EDITION.
- 2. THE LIGHTING SHALL BE CONTROLLED AS FOLLOWS:

INACTIVITY.

DIMMING CONTROL.

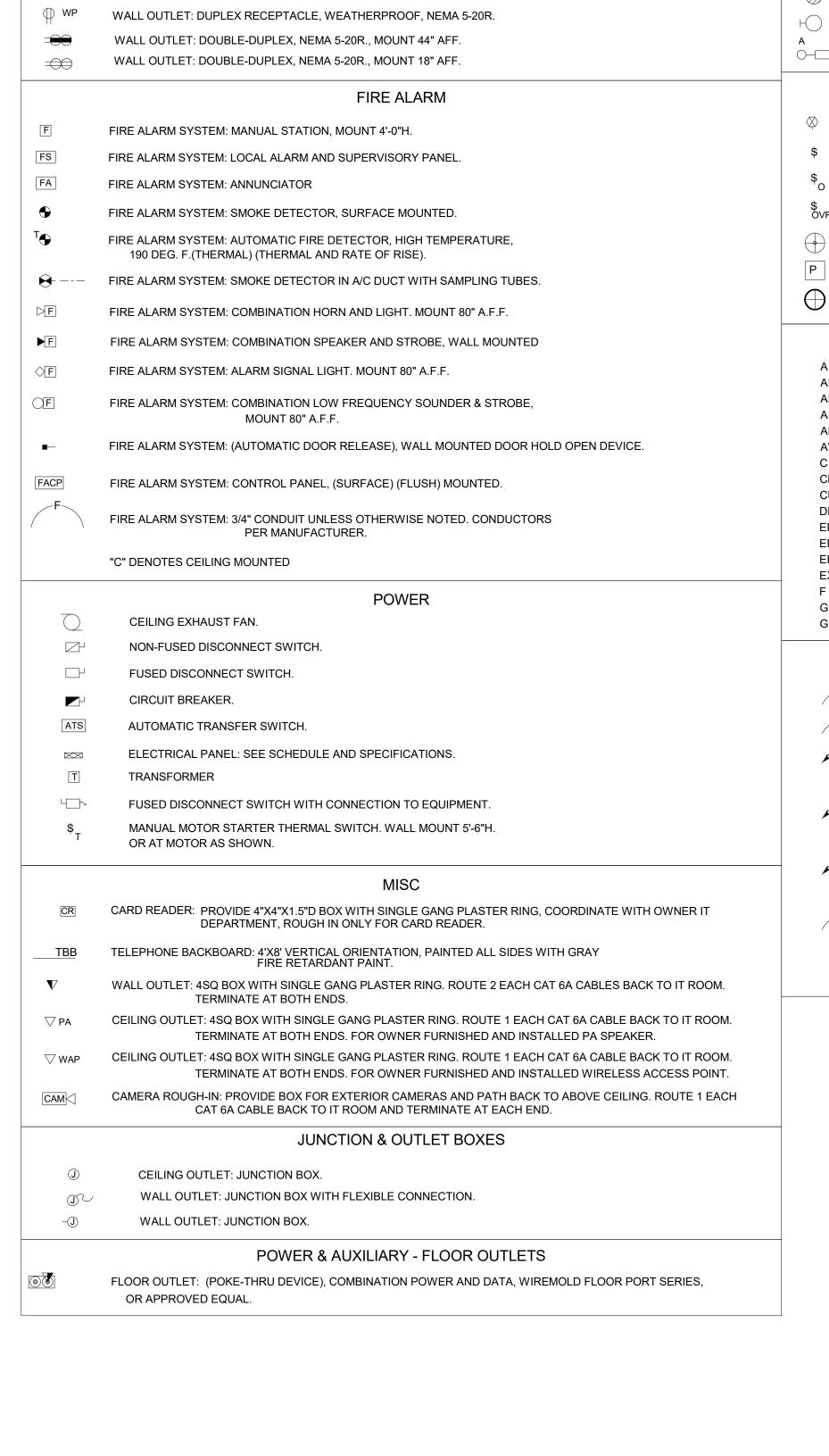
- a. RESTROOMS, TOILET ROOMS, STORAGE ROOMS, JANITOR, IT, AND SAFE SHALL BE MANUAL ON WITH DUAL TECHNOLOGY WALL OCCUPANCY SENSOR AND AUTOMATIC OFF AFTER 30 MINUTES OF INACTIVITY.
- b. OFFICES, RECORDS, RECEPTION, AND NURSE SHALL HAVE DUAL TECHNOLOGY WALL OCCUPANCY DIMMER SWITCH. LIGHTING SHALL BE MANUAL ON; FULL DIMMING CONTROL AND AUTOMATIC OFF AFTER 30 MINUTES OF
- c. CONFERENCE ROOM SHALL HAVE 2 ZONES OF LIGHTING CONTROL. 2x2 LAY INS ARE ONE ZONE, PENDANT LIGHT IS SECOND ZONE. LIGHTING SHALL BE MANUAL ON FOR EACH ZONE, FULL DIMMING CONTROL FOR EACH ZONE AND AUTOMATIC OFF AFTER 30 MINUTES OF INACTIVITY.
- d. LOBBY SHALL HAVE 2 ZONES OF DAY LIGHT HARVESTING CONTROL. FIXTURES SHALL AUTOMATICALLY DIM AS REQUIRED. LOBBY LIGHTING SHALL BE ON BY SCHEDULE (7am-4pm ON): AFTER HOURS A CEILING OCCUPANCY SENSOR SHALL CONTROL THE FIXTURES.

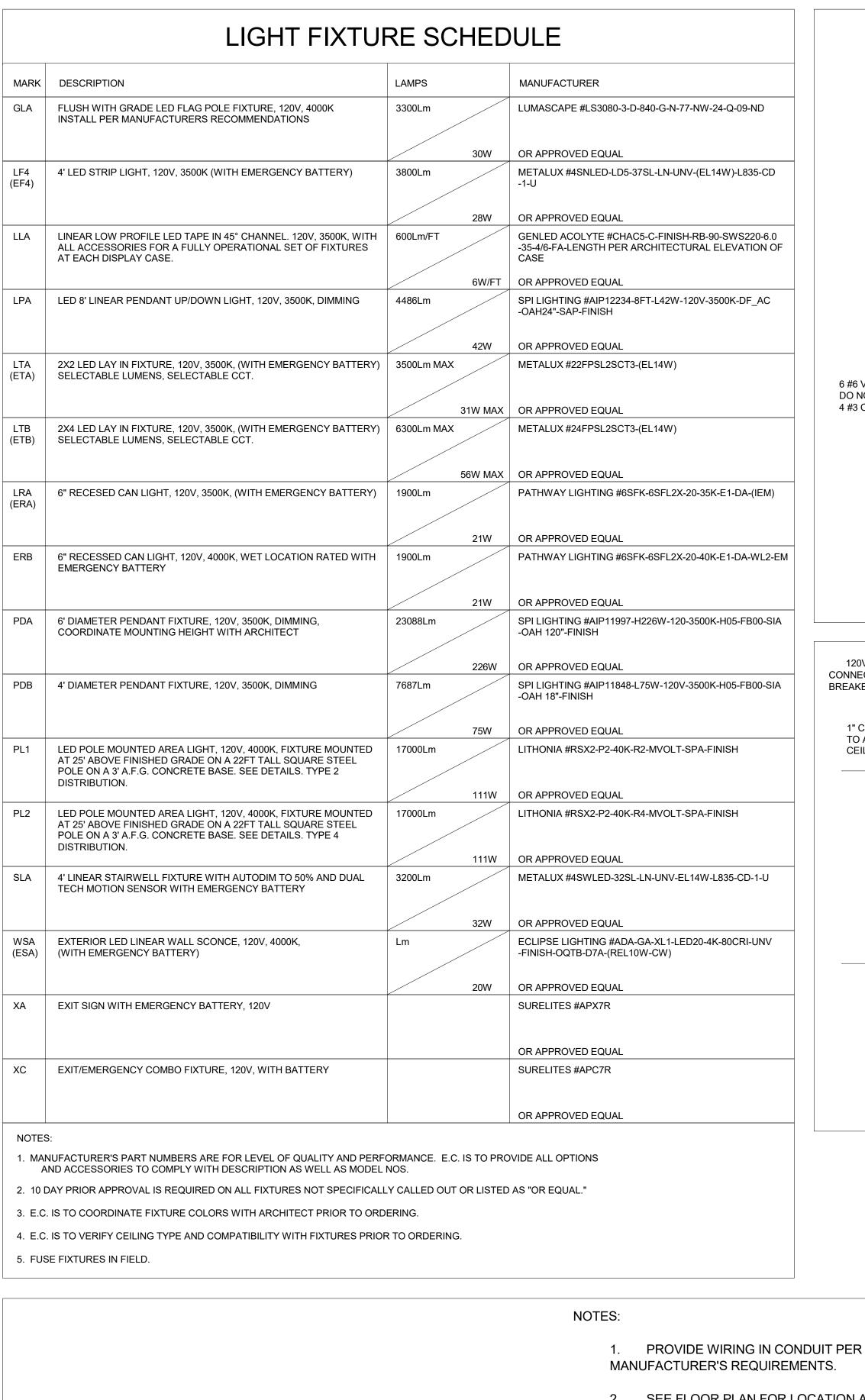
CONTROL LIGHTING. PROVIDE ONE OVERRIDE SWITCH PER CORRIDOR FOR DIMMING CONTROL (TYPICAL 3).

- e. CORRIDORS SHALL BE ON A SCHEDULE (7am-4pm ON):AFTER HOURS CEILING OCCUPANCY SENSORS SHALL
- f. DISPLAY LIGHTING SHALL BE CONTROLLED ON/OFF WITH CORRIDOR 101. PROVIDE A DIMMER SWITCH INSIDE EACH DISPLAY CASE TO SET THE LIGHTING LEVEL.
- g. BUILDING MOUNTED EXTERIOR LIGHTING AND PARKING LOT LIGHTING SHALL OPERATE DUSK TO TIME OFF SET
- 3. DIMMING CABLE IS NOT SHOWN FOR CLARITY. DIMMING CABLE IS REQUIRED FOR ALL ROOMS LISTED WITH
- 4. PROVIDE UNSWITCHED HOT TO EMERGENCY BATTERIES.
- 5. PROVIDE POWER PACKS, OCCUPANCY SENSORS, DAY LIGHT SENSORS, AND DIMMING CABLE AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM AS DESCRIBED.



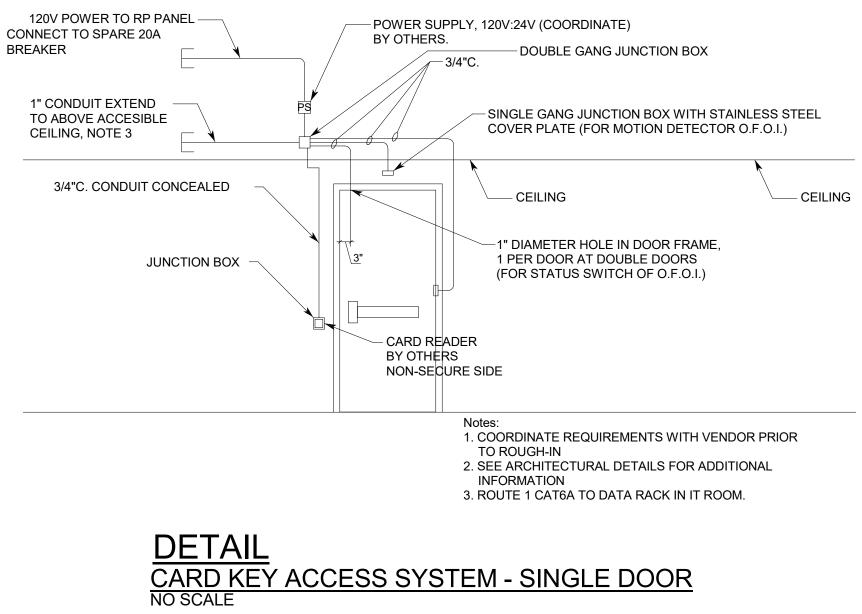
HYDE ENGINEERING, INC. Suite 275 Huntsville, Alabama 35801 (P) 256.270.8013 E-MAIL: MORGAN@HYDE-EGR.COM PROJECT# 22113.0





POLE, SEE LIGHT FIXTURE SCHEDULE - HANDHOLE BASECOVER -- #6 BARE COPPER GROUND. BOND TO POLE AND BRANCH CIRCUIT GROUND CONDUCTOR. **GROUT AROUND BASE AFTER** PROVIDE TWO TIES AT TOP PLUMB. SLOPE FOR DRAINAGE. OF FOOTING. RUB FINISH ANCHOR BOLTS (4) (SIZE PER MANUFACTURERS STANDARDS) FINISHED GRADE 5'-6", BELOW LOWEST OBSERVABLE ORGANIC LAYER (TOP SOIL) L 3" CLEAR 6 #6 VERTICAL REINF. STEEL RODS **\** DO NOT LAP VERTICAL RODS 4 #3 CIRCULAR TIE AT 12" VERTICAL. - 3" CLEAR 3000 PSI AIR-ENTRAINED CONCRETE GROUND ROD 3/4" DIA. 10'0" COPPER CLAD STEEL

# POLE MOUNTED FIXTURE DETAIL NO SCALE



2. SEE FLOOR PLAN FOR LOCATION AND QUANTITY OF DEVICES. FIRE ALARM SYSTEM LAYOUT IS

DIAGRAMMATIC ONLY. PROVIDE ADDITIONAL DEVICES AS REQUIRED BY CODE AND LOCAL AUTHORITIES.

4. COORDINATE LOCATIONS AND CONNECTIONS OF HVAC SHUTDOWN RELAYS WITH HVAC/CONTROLS VENDOR.

PROVIDE VOICE EVAC IN NEW ADDITION. PROVIDE NEW PANEL IN ADDITION FOR VOICE EVAC SYSTEM. THIS PANEL SHALL COMMUNICATE WITH THE EXISTING FACP.

6. PROVIDE ADDRESSABLE SYSTEM.

7. PROVIDE TERMINAL CABINETS, NAC PANELS AS REQUIRED PER PROPOSED FIRE ALARM SYSTEM.

8. PROVIDE REMOTE STATUS & TEST LOCATION FOR DEVICES NOT READILY VISIBLE OR ACCESSIBLE.

9. INTERFACE TO SECURITY SYSTEM. PROVIDE DRY CONTACT CLOSURE. PROVIDE CABLING IN CONDUIT.

10. ON ALARM, ALL DOORS IN EGRESS PATH TO UNLOCK. COORDINATE PROVISION OF POTS PHONELINES WITH OWNER/COM PROVIDER. COORDINATE PROVISION OF POTS PHONELINES WITH OWNER/COM PROVIDER.

11. PROVIDE SMOKE DETECTORS AND INTERFACE TO SMOKE/FIRE DAMPERS AND SMOKE DAMPERS. COORDINATE QUANTITIES AND LOCATIONS WITH HVAC VENDOR.

12. VERIFY FINISH OF ALL FIRE ALARM DEVICES WITH ARCHITECT PRIOR TO ORDERING.

13. FIRE ALARM VENDOR IS RESPONSIBLE FOR REVIEWING ENTIRE CONSTRUCTION DOCUMENT PACKAGE FOR ADDITIONAL FIRE ALARM REQUIREMENTS THAT MAY BE INCLUDED ON OTHER DISCIPLINES' DRAWINGS AND SPECIFICATIONS, TO INCLUDE BUT NOT LIMITED TO, PLUMBING, CIVIL, MECHANICAL, ELEVATOR, A/V, THEATRICAL LIGHTING, FOOD SERVICE, AND SECURITY.

14. FURNISH AND INSTALL NEW FIRE ALARM ANNUNCIATOR IN NEW LOBBY. FA SHALL BE FLUSH MOUNTED.

15. FIRE ALARM CONTACTOR SHALL BE NICET III CERTIFIED AND HOLD A PERMIT FROM THE STATE FIRE MARSHALLS OFFICE.

**EQUIPMENT SCHEDULE** DESCRIPTION MARK REMARKS FEEDER <u> ∕ RTU </u> ROOF TOP 24.8 50YG RTU ROOF TOP 208/3 33.6 50YG 1.2.3.4. /EWH\| WATER 208/1 50DG HEATER CP CIRCULATION 120/1 RATED 20SG PUMP SWITCH SPLIT SYSTEM 208/1 0.8 PP-NB 20DG 1.2.3.4. INDOOR SPLIT SYSTEM 208/1 0.8 20DG 1.2.3.4. INDOOR CU SPLIT SYSTEM 208/1 15.2 PP-NB 30DG OUTDOOR CU \ SPLIT SYSTEM 208/1 15.2 30DG OUTDOOR \ EXHAUST RATED 120/1 20SG <sup>7</sup> FAN NOTES:

1. VERIFY NAMEPLATE DATA PRIOR TO ROUGH-IN.

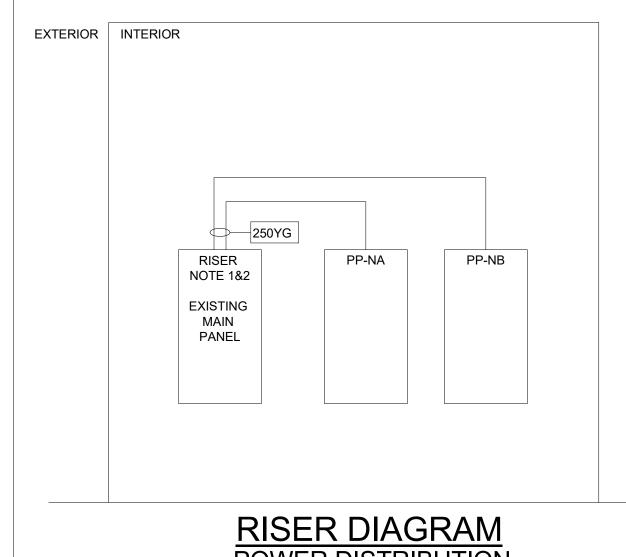
2. PROVIDE REQUIRED WORKING CLEARANCE FOR ALL DISCONNECTS.

3. ALL OUTDOOR EQUIPMENT TO BE NEMA 3R.

4. FUSE TO BE DUAL ELEMENT TYPE.

#### FEEDER SCHEDULE

20SG 2#12 & 1#12G.-1/2"C. 3#12 & 1#12G.-1/2"C. 30DG 3#10 & 1#10G.-3/4"C. 3#8 & 1#10G.-1 1/4"C. 50YG 4#8 & 1#10G.-1 1/4"C.



POWER DISTRIBUTION

4#350MCM & 1#1/0G.-3 1/2"C.

1. FURNISH AND INSTALL 2 EACH NEW 22KAIC RATED 250/3 BREAKERS IN EXISTING SIEMENS GEAR. TYPEFXD6 BREAKERS.

2. SEE SHEET E301 FOR EXISTING MAIN PANEL LOCATION.

VOLTAGE:	120 /	/208V PHASE/WIRE: 3F	P., 4W.	MAIN	I BUS RAT	TING: 250A	4			MAIN CB TRIP: MLO		
MOUNTING	G: SURFAC	E			MINIMUM	I BREAKE	R INTERR	UPTIN	NG CAPA	CITY (RMS SYM AMPS): 22KA	IC	
DEVICE: BRANCH CIRCUIT				PI	HASE LOA	<b>D</b>	BRANCH CIRCUIT					
AMPS TRIP	POLES	DESIGNATION	VOLTS- AMPS	NO.	Ø A	$\bigcirc$ LT - AMF $\bigcirc$ B	PS) ØX	NO.	VOLTS- AMPS	DESIGNATION	POLES	AMPS TRIP
20	1	LIGHTING	153	1	553			2	400	ROOF RECEPT	1	20
20	1	LIGHTING	845	3		1645		4	800	NURSE 114 RECEPT	1	20
20	1	LIGHTING	940	5			1740	6	800 1	MEN 118/WOMEN 117 RECEP	T 1	20
20	1	LIGHTING	1133	7	1333			8	200	WORKROOM 111 RECEPT	1	20
20	1	LIGHTING	928	9		1328		10	400	WORKROOM 111 RECEPT	1	20
20	1	SITE LIGHTING	444	11			1244	12	800	CONFERENCE 110 RECEPT	1	20
20	1	SPARE		13	800			14	800 A	SSISTANT PRINCIPAL RECEP	T 1	20
20	1	SPARE		15		800		16	800	COUNSELOR 108 RECEPT	1	20
20	1	SPARE		17			800	18	800	RECORDS 107 RECEPT	1	20
20	1	SPARE		19	800			20	800	GUIDANCE 106 RECEPT	1	20
20	1	SPARE		21		1000		22	1000	PRINCIPAL 105 RECEPT	1	20
20	1	SPARE		23			200	24	200	RECEPTION 102 RECEPT	1	20
20	1	SPARE		25	600			26	600	RECEPTION 102 RECEPT	1	20
20	1	LOBBY 100 RECEPT	400	27		1000		28	600	LOBBY 100 RECEPT	1	20
30	1	IT		29			100	30	100	EF-1	1	20
30	1	SPARE		31	100			32	100	CP-1	1	20
30	1	SPARE		33		4000		34	4000	EWH-1	2	50
30	1	SPACE		35			4000	36	4000	_ v v i i− i		30
30	1	SPACE		37	3700			38	3700			
30	1	SPACE		39		3700		40	3700	RTU-1	3	50
30	1	SPACE		41			3700	42	3700			
TOTAL 7886 13473 11784 TOTAL CONNECTED LOAD (A									CONNECTED LOAD (AMPS): EQUIRED AMPACITY (AMPS):		112.28 140.34	

VOLTAGE:	: 120	/208V PHASE/WIRE: 3P.,	4W.	MAIN	BUS RAT	TING: 250A	4			MAIN CB TRIP: MLO		
MOUNTING	G: SURFA	CE			MINIMUM	I BREAKE	R INTERR	UPTIN	NG CAPAC	CITY (RMS SYM AMPS): 22KA	IC.	
DEVICE:		BRANCH CIRCU	IT		PHASE LOAD			BRANCH CIRCUIT				
AMPS TRIP	POLES	DESIGNATION	VOLTS- AMPS	NO.	Ø A	OLT - AMF	PS) ØX	NO. VOLTS-		DESIGNATION	POLES	AMPS TRIP
20	1	TOILET 103 RECEPT	200	1	200	~ 2	70 11	2	7	SPARE	1	20
20	1	FINANCE 122 RECEPT	800	3		800		4		SPARE	1	20
20	1	IT 120 RECEPT	400	5			400	6		SPARE	1	20
20	1	IT 120 RECEPT	400	7	400			8		SPARE	1	20
20	1	IT 120 RECEPT	400	9		400		10		SPARE	1	20
20	1	IT 120 RECEPT	400	11			400	12		SPARE	1	20
20	1	CORRIDOR 124 RECEPT	200	13	200			14		SPARE	1	20
20	1	CORRIDOR 101 RECEPT	600	15		600		16		SPARE	1	20
20	1	LOBBY DOOR J-BOX	400	17			400	18		SPARE	1	20
20	1	CORRIDOR 101 DOOR J-BOX	400	19	400			20		SPARE	1	20
20	1	ELEC ROOM	200	21		300		22	100	AC-1	2	20
		SPACE		23			100	24	100	AO-1		20
		SPACE		25	100			26	100	AC-2	2	20
		SPACE		27		100		28	100	AO-Z		20
		SPACE		29			1976	30	1976	CU-1	2	30
		SPACE		31	1976			32	1976			00
		SPACE		33		1976		34	1976	CU-2	2	30
		SPACE		35			1976	36	1976			
		SPACE		37	5000			38	5000			
		SPACE		39		5000		40	5000	RTU-2	3	50
		SPACE		41			5000	42	5000			
ТО				DTAL	8276	9176	10252			CONNECTED LOAD (AMPS): QUIRED AMPACITY (AMPS):		85.43 106.79

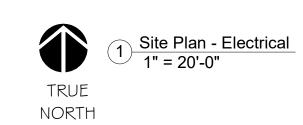
HYDE ENGINEERING, INC. Suite 275 Huntsville, Alabama 35801 (P) 256.270.8013

E-MAIL: MORGAN@HYDE-EGR.COM PROJECT# 22113.0 Morgan B. Reyes

RISER DIAGRAM

FIRE ALARM SYSTEM

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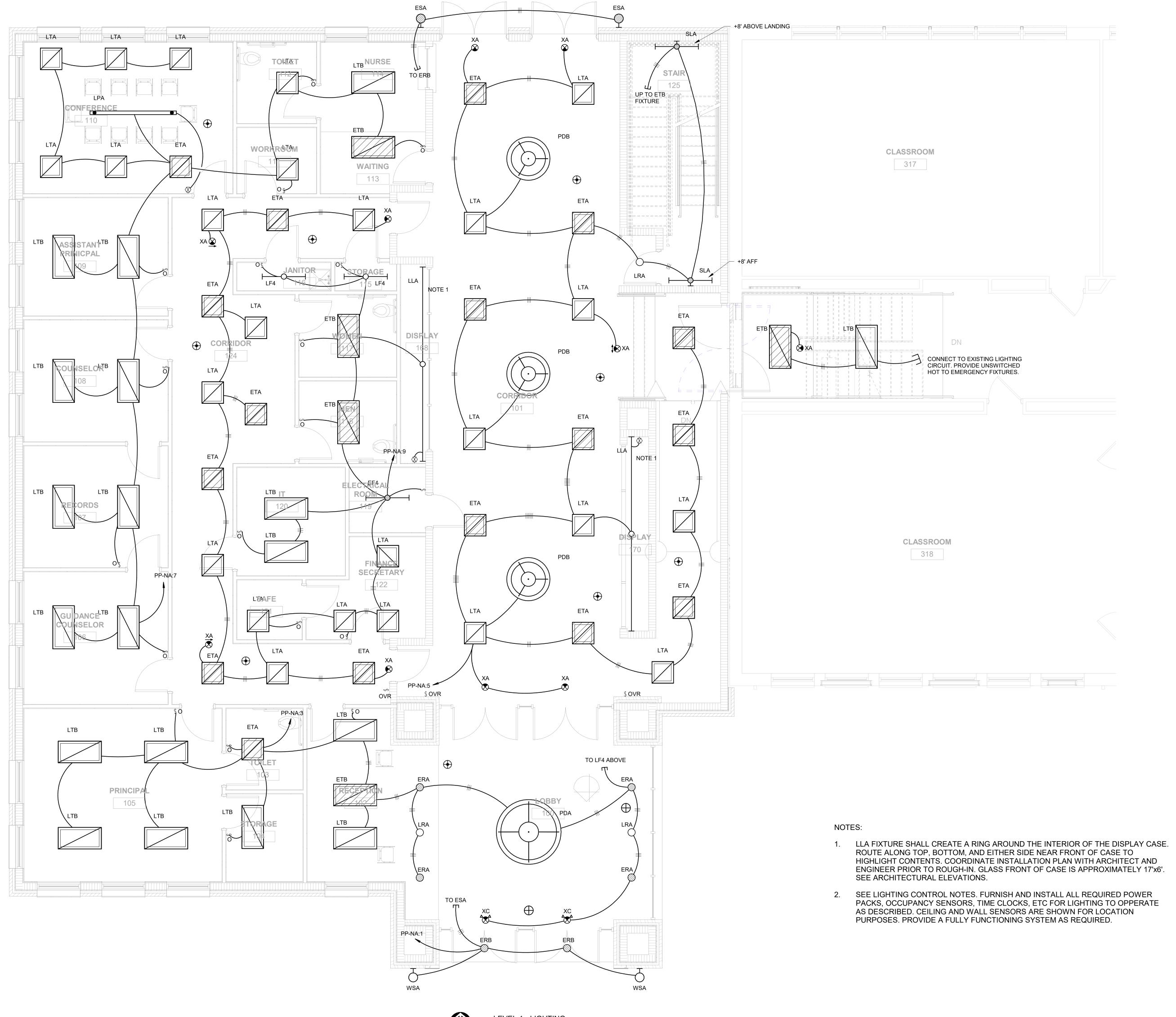
HYDE ENGINEERING, INC.
1525 Perimeter Parkway
Suite 275
Huntsville, Alabama 35801
(P) 256.270.8013
E-MAIL: MORGAN@HYDE-EGR.COM
PROJECT #
22113.0

Morgan B. Reyes

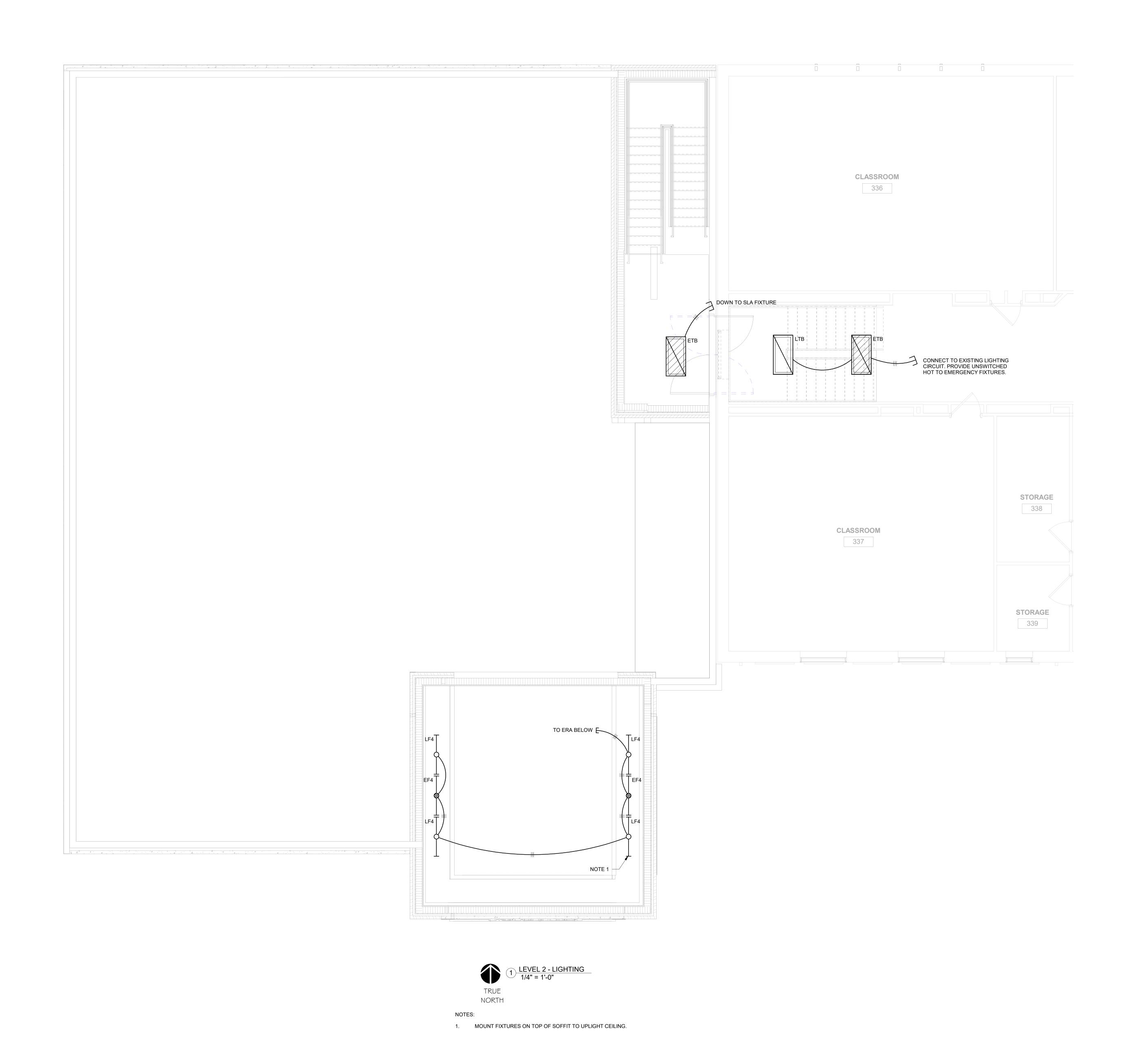
ADDITION TO DESHLER HIGH SCHOOL 303 NORTH COMMONS STREET EAST, TUSCUMBIA, AL. 35674

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HYDE ENGINEERING, INC. 1525 Perimeter Parkway Suite 275
Huntsville, Alabama 35801
(P) 256.270.8013
E-MAIL: MORGAN@HYDE-EGR.COM PROJECT # 22113.0 Morgan B. Reyes



TRUE NORTH

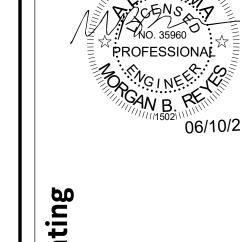


ISSUE DATE
FINAL SUBMITTAL 06/10/22

DRAWN BY: WMT

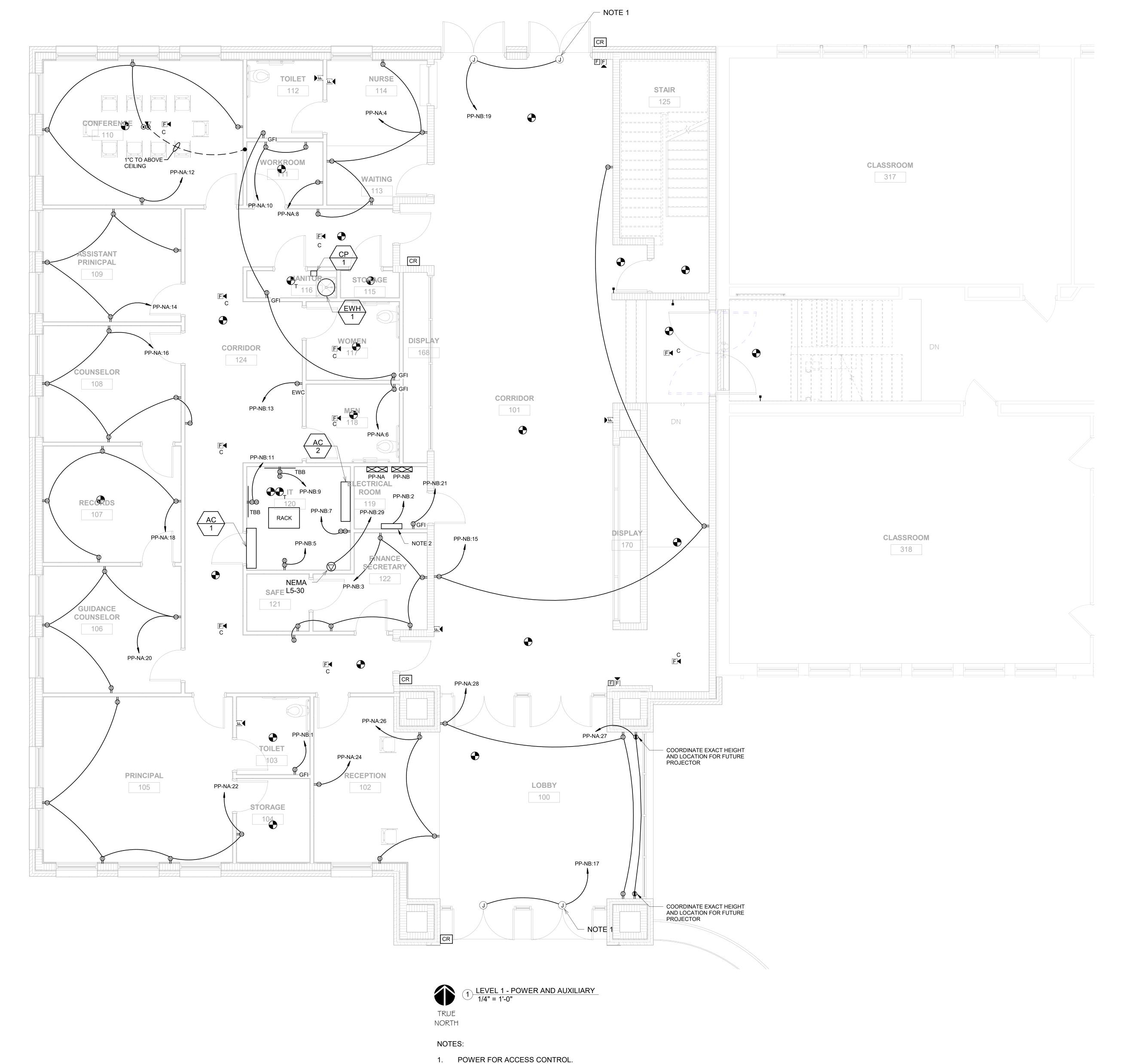
ADDITION TO DESHLER HIGH SCH 303 NORTH COMMONS STREET EAR FUSCUMBIA, AL. 35674

PROFESSIONAL PROFE



HYDE ENGINEERING, INC.
1525 Perimeter Parkway
Suite 275
Huntsville, Alabama 35801
(P) 256.270.8013
E-MAIL: MORGAN@HYDE-EGR.COM

ENGINEER
Morgan B. Reyes
PROJECT #
22113.0



2. PROVIDE FIRE ALARM EXTENDER PANEL AS REQUIRED.

FINAL SUBMITTAL 06/

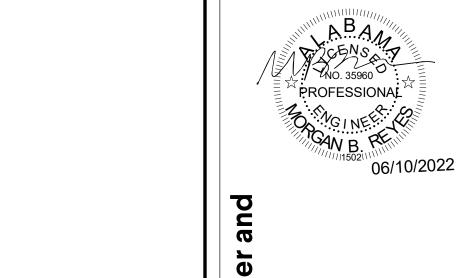
NORTH COMMONS STREET EAST, SCUMBIA, AL. 35674

TUSCUMBIA, TUSCUMBIA, GMC # AHUN DCM # 20220



Auxiliary F 201

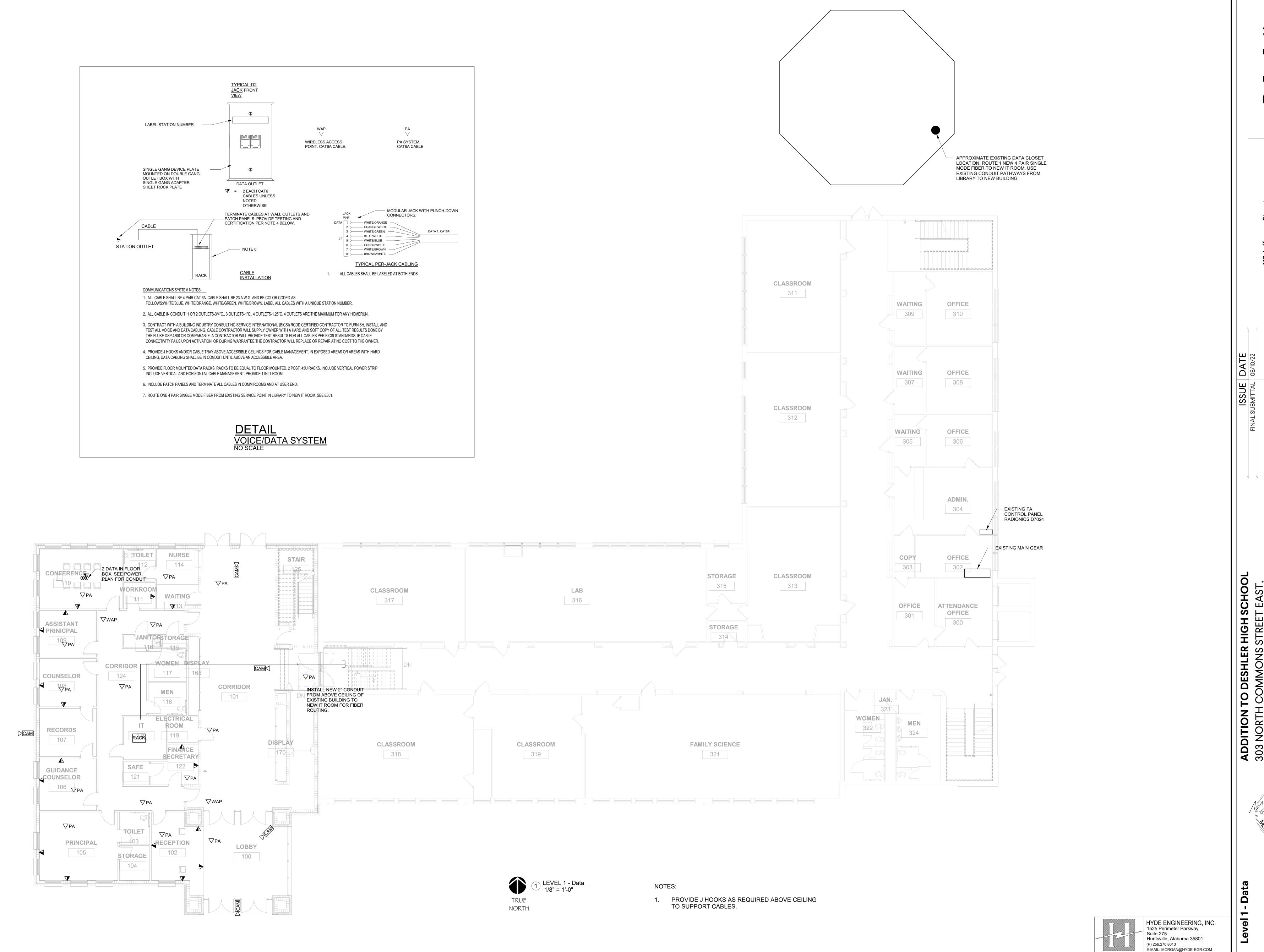
HYDE ENGINEERING, INC.
1525 Perimeter Parkway
Suite 275
Huntsville, Alabama 35801
(P) 256.270.8013
E-MAIL: MORGAN@HYDE-EGR.COM
ENGINEER
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1 LEVEL 2 - POWER AND AUXILIARY 1/4" = 1'-0"

TRUE NORTH

HYDE ENGINEERING, INC.
1525 Perimeter Parkway
Suite 275
Huntsville, Alabama 35801
(P) 256.270.8013
E-MAIL: MORGAN@HYDE-EGR.COM
PROJECT #
22113.0 ENGINEER Morgan B. Reyes



117 Jefferson Street Huntsville, AL 35801 T 256.539.3431

NORTH COMMONS STREET ECUMBIA, AL. 35674

303 NORT
TUSCUM
GMC # A
DCM # 20



E301

PROJECT#

22113.0

Morgan B. Reyes