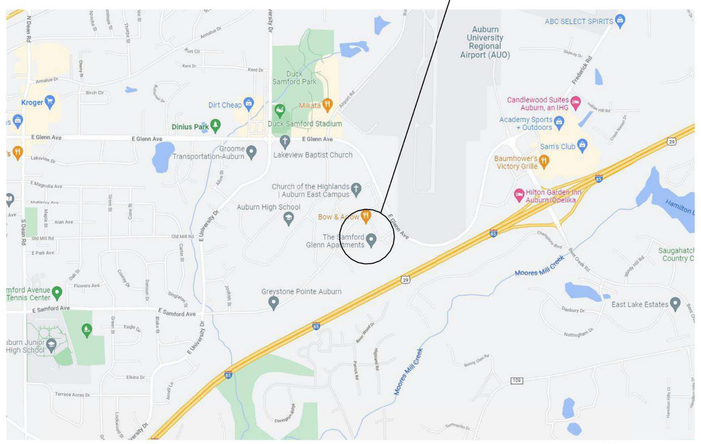
NEW CONSTRUCTION:

THE VILLAGE AT SAMFORD TRACE
BUILDING 4 - SMARTBANK

1940 SAMFORD AVENUE
AUBURN, AL 36830

GENERAL NOTES

1. CONTRACTOR AND/OR SUBCONTRACTORS SHALL VISIT PROPERTY TO VERIFY EXISTING CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO SUBMITTING A BID.
2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE AND OF STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.
3. ALL MATERIALS AND EQUIPMENT REFERRED TO IN NOTES AND KEYNOTE LEGENDS SHALL BE NEW AND FURNISHED AND INSTALLED UNDER THE WORK OF THIS PROJECT UNLESS NOTED OTHERWISE TO BE FURNISHED AND INSTALLED BY OWNER.
4. CONTRACTORS AND/OR SUBCONTRACTORS SHALL EMPLOY SKILLED WORKMEN TO PERFORM ALL WORK IN ACCORDANCE WITH THE BEST STANDARDS OF WORK FOR ALL CATEGORIES OF WORK IN THE PROJECT.
5. CONTRACTOR AND SUBCONTRACTORS SHALL COORDINATE THEIR WORK WITH ALL OTHER SUBCONTRACTORS TO FACILITATE A SMOOTH WORK PROGRESSION.
6. CONTRACTOR AND SUBCONTRACTORS SHALL SECURE THE OWNERS APPROVAL OF ANY SUBSTITUTIONS PRIOR TO INSTALLATION. OWNER SHALL SUPPLY TO CONTRACTOR ANY SUBSTITUTIONS IN PROMPT ATTENTIVENESS TO THE PROGRESSION OF WORK.
7. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND APPROVALS AND SHALL NOTIFY AND SCHEDULE ALL REQUIRED INSPECTIONS AND APPROVALS WITH THE VARIOUS AUTHORITIES HAVING JURISDICTION.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN SUITABLE PROTECTION FOR ALL EMPLOYEES AND THE PUBLIC AND OCCUPANTS DURING THE COURSE OF THE WORK, COMPLYING WITH ALL APPLICABLE JOB SAFETY REGULATIONS.
9. SUBCONTRACTORS SHALL REMOVE FROM THE SITE ALL DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM THEIR OPERATIONS. ALL SUCH MATERIAL MUST BE DISPOSED OF LEGALLY AND CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH SAID REMOVALS AND DISPOSALS. SUBCONTRACTOR SHALL MAINTAIN THE PROJECT SITE IN A NEAT AND SAFE CONDITION AT ALL TIMES.
10. CONTRACTOR SHALL SUBMIT ALL SAMPLES AND COLOR SELECTIONS TO ARCHITECT FOR APPROVAL.
11. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCING ANY CONSTRUCTION WORK AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.
12. WALL BLOCKING IS THE GENERAL CONTRACTOR'S RESPONSIBILITY. BLOCKING SHALL INCLUDE, BUT IS NOT LIMITED TO THAT REQUIRED FOR GRAB BARS, SHELVING BRACKETS, WALL SUPPORTED MILLWORK, AND CANOPIES.



STREET MAP

NORTH NOT TO SCALE

Architect
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1490 Northbank Parkway, Suite 271
Tuscaloosa, Alabama 35406
(205)-792-6321

Civil
Foresite Group
2128 Moores Mill Road, Suite C
Auburn, AL 36830
(334)-887-6064

Structural
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631 Helen Keller Boulevard
Suite 400
Tuscaloosa, AL 35404
(205) 345-9595

Mechanical/Plumbing
Smith, Stegall & Associates, P.C.
2110 8th Street
Tuscaloosa, AL 35401
(205) 345-4402

Electrical
Garner & Associates Engineering
901 South Perry Street
Montgomery, AL 36104
(334)-647-1596

SHEET INDEX

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NEW CONSTRUCTION:
THE VILLAGE AT SAMFORD TRACE
BUILDING 4 - SMARTBANK
1940 SAMFORD AVENUE
AUBURN, AL 36830

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

COVER SHEET

G0.1

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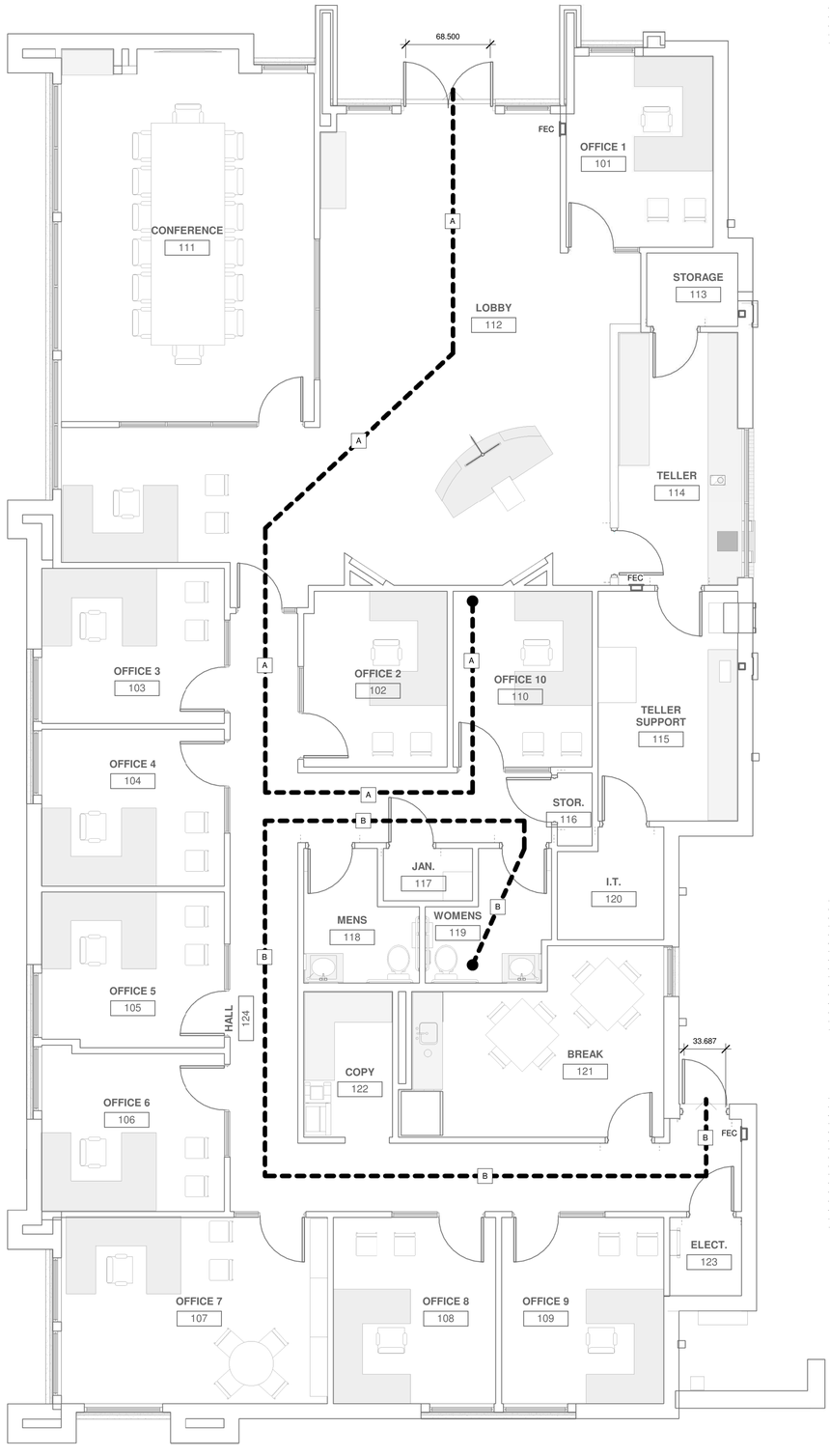


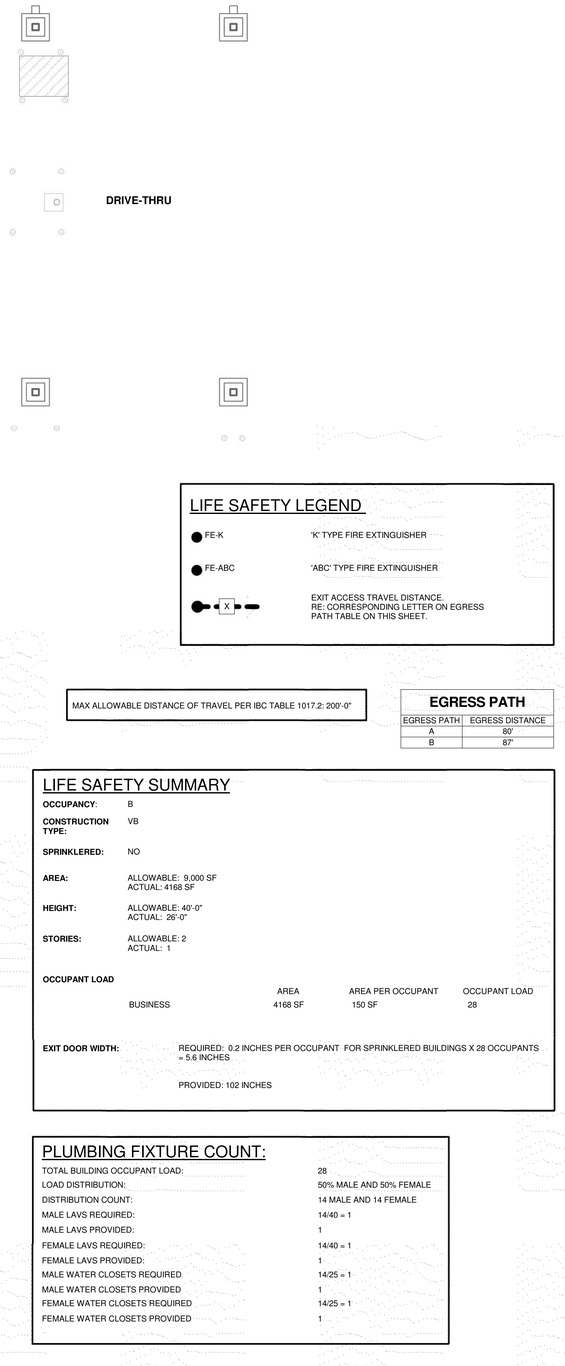
1 LIFE SAFETY PLAN
G0.2 1/4" = 1'-0"

APPLICABLE BUILDING CODES

- 2021 INTERNATIONAL BUILDING CODE
- 2021 INTERNATIONAL PLUMBING CODE
- 2021 INTERNATIONAL MECHANICAL CODE
- 2021 INTERNATIONAL FUEL GAS CODE
- 2021 INTERNATIONAL FIRE CODE
- 2020 NATIONAL ELECTRICAL CODE

BUILDING CODE & FIRE CODE NOTES

1. LIFE SAFETY PLAN ON THIS SHEET SHOWS FINAL CODE COMPLIANT CONSTRUCTION BY GC FOR LANDLORD ('L' SHEETS) AND GC FOR TENANT ('T' SHEETS).
2. OWNER SHALL PROVIDE SPECIAL INSPECTIONS PER CHAPTER 17 OF INTERNATIONAL BUILDING CODE.
3. REFER TO CEILING PLAN AND ELECTRICAL FOR EXIT SIGN AND EMERGENCY LIGHTING LOCATIONS.



LIFE SAFETY LEGEND

FE-K	'K' TYPE FIRE EXTINGUISHER
FE-ABC	'ABC' TYPE FIRE EXTINGUISHER
X	EXIT ACCESS TRAVEL DISTANCE. RE: CORRESPONDING LETTER ON EGRESS PATH TABLE ON THIS SHEET.

MAX ALLOWABLE DISTANCE OF TRAVEL PER IBC TABLE 1017.2: 200'-0"

EGRESS PATH

EGRESS PATH	EGRESS DISTANCE
A	80'
B	87'

LIFE SAFETY SUMMARY

OCCUPANCY: B

CONSTRUCTION TYPE: VB

SPRINKLERED: NO

AREA: ALLOWABLE: 9,000 SF
ACTUAL: 4168 SF

HEIGHT: ALLOWABLE: 40'-0"
ACTUAL: 26'-0"

STORIES: ALLOWABLE: 2
ACTUAL: 1

OCCUPANT LOAD

	AREA	AREA PER OCCUPANT	OCCUPANT LOAD
BUSINESS	4168 SF	150 SF	28

EXIT DOOR WIDTH: REQUIRED: 0.2 INCHES PER OCCUPANT FOR SPRINKLERED BUILDINGS X 28 OCCUPANTS = 5.6 INCHES

PROVIDED: 102 INCHES

PLUMBING FIXTURE COUNT:

TOTAL BUILDING OCCUPANT LOAD:	28
LOAD DISTRIBUTION:	50% MALE AND 50% FEMALE
DISTRIBUTION COUNT:	14 MALE AND 14 FEMALE
MALE LAVS REQUIRED:	14/40 = 1
MALE LAVS PROVIDED:	1
FEMALE LAVS REQUIRED:	14/40 = 1
FEMALE LAVS PROVIDED:	1
MALE WATER CLOSETS REQUIRED	14/25 = 1
MALE WATER CLOSETS PROVIDED	1
FEMALE WATER CLOSETS REQUIRED	14/25 = 1
FEMALE WATER CLOSETS PROVIDED	1

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LIFE SAFETY PLAN

G0.2

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ABBREVIATIONS

A	
&	AND
@	AT
AB	ANCHOR BOLT
AC	AIR CONDITIONING
ACC	ACCESSIBLE
ACI	AMERICAN CONCRETE INSTITUTE
ACOUST	ACOUSTICAL
ACT	ACOUSTIC CEILING TILE
AD	AREA DRAIN
ADA OR	AMERICANS WITH DISABILITIES ACT
ADAAG	ACCESSIBILITY GUIDELINES (VERSION CURRENTLY IN EFFECT)
ADD'L	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
AHJ	AUTHORITIES HAVING JURISDICTION
ALT	ALTERNATE
ALTA	AMERICAN LAND TITLE ASSOCIATION
ALUM	ALUMINUM
ANOD	ANODIZED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AOR	ARCHITECT OF RECORD
APA	AMERICAN PLYWOOD ASSOCIATION
APC	ACOUSTICAL PANEL CEILING
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASD	ALLOWABLE STRESS DESIGN
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
ATTN	ATTENTION
AUTO	AUTOMATIC
AV	AUDIOVISUAL
AWS	AMERICAN WELDING SOCIETY
B	
BD	BOARD
BIM	BUILDING INFORMATION MODEL
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BO OR B/O	BOTTOM OF
BOH	BACK OF HOUSE
BOT	BOTTOM
BOTC	BOTTOM OF TRUSS CHORD
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BSMNT	BASEMENT
BTM	BOTTOM
BTS	BUILD TO SUIT
C	
C	CHANNEL
CAB	CABINET
CAT	CATEGORY
CB	CATCH BASIN
CB	CEMENT BOARD
CBU	CEMENTITIOUS BACKER UNIT
CC	CENTER TO CENTER
CCR	COHEN CARNAGGIO REYNOLDS ARCHITECTURE & INTERIORS
CCRR	CODE COMPLIANCE RESEARCH REPORT
CCTV	CLOSED CIRCUIT TELEVISION
CEM	CEMENT
CER	CERAMIC
CFA	CHICK-FIL-A
CG	CORNER GUARD
CH	CHILLER
CHI	CHARTER HOUSE INNOVATIONS

ABBREVIATIONS

CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CARBON MONOXIDE
CO	CLEANOUT
CO2	CARBON DIOXIDE
COL	COLUMN
CONC	CONCRETE
COND	CONDITION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPS	CORPORATE PROPERTY SERVICES, INC.
CPT	CARPET
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSUNK
CW	COLD WATER
D	
D	DEEP, DEPTH
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLISH OR DEMOLITION
DEMO	DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DIMS	DIMENSIONS
DIP	DESIGN INTENT PACKAGE
DISP	DISPENSER
DIV	DIVISION
DMPF	DAMP PROOFING
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DRC	DEVELOPMENT REVIEW COMMITTEE
DRN	DRAIN
DS	DOWNSPOUT
DT OR D/T	DRIVE-THRU
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
E	
E	EAST
EA	EACH
EB	EXPANSION BOLT
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENG	ENGINEER
EOR	ENGINEER OF RECORD

ABBREVIATIONS

EP	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE M-CLASS
EPS	EXPANDED POLYSTYRENE
EQ	EQUAL
EQUIP	EQUIPMENT
ESR	ICC EVALUATION SERVICE REPORT
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F	
FA	FIRE ALARM
FB	FACE BRICK
FBC	FLORIDA BUILDING CODE (VERSION CURRENTLY IN EFFECT)
FD	FLOOR DRAIN
FD	FLOOR DRAIN OR FIRE DEPARTMENT
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF&E OR FFE	FURNITURE, FIXTURES AND EQUIPMENT
FFB	FLUSH FLOOR BOX
FFEL	FINISH FLOOR ELEVATION
FH	FLAT HEAD
FHC	FIRE HOSE CABINET
FIN	FINISH
FIXT	FIXTURE
FLASH	FLASHING
FLR	FLOOR
FLUOR	FLUORESCENT
FND	FOUNDATION
FO	FACE OF
FOH	FRONT OF HOUSE
FP	FIRE PROTECTION
FPA	FLORIDA PRODUCT APPROVAL
FPG	FIREPROOFING
FR	FIRE RESISTANT
FRC	FIBER REINFORCED CONCRETE
FRN	FURNITURE
FRT	FIRE RETARDANT TREATED
FRZ	FREEZER
FSR	FREE STANDING RESTAURANT
FSU	FREE STANDING UNIT
FT	FEET/FOOT
FTG	FOOTING
FURN	FURNITURE
FURR	FURRING
FWC	FABRIC WALL COVERING
FWP	FABRIC WRAPPED PANEL
FL	
FL	FLORIDA
G	
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACT(OR)
GEN	GENERAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GL	GLASS
GLAZ	GLAZING
GRAN	GRANULAR
GRD	GROUND
GRFG	GLASS FIBER REINFORCED GYPSUM
GSM	GALVANIZED SHEET METAL
GV	GAS VALVE
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	

ABBREVIATIONS

H	HIGH/HEIGHT
HB	HOSE BIB
HB	HOSE BIBB
HC	HANDICAPPED
HDWD	HARDWOOD
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HNDRL	HANDRAIL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HR	HOUR
HRC	HOSE REEL CABINET
HSS	HOLLOW STRUCTURAL SECTION
HTG	HEATING
HVAC	HEATING VENTILATION & AIR CONDITIONING
HVHZ	HIGH VELOCITY HURRICANE ZONE (MIAMI-DADE OR BROWARD COUNTIES)
HW	HOT WATER
I	
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
ID	INSIDE DIAMETER
IN	INCH/INCHES
INCAND	INCANDESCENT
INCL	INCLUDED/INCLUDING
INFO	INFORMATION
INSUL	INSULATED OR INSULATION
INSUL	INSULATION
INT	INTERIOR
INTERM	INTERMEDIATE
INTL	INTERNATIONAL
INV	INVERT
J	
JAN	JANITOR
JC	JANITOR'S CLOSET
JST	JOIST
JT	JOINT
K	
KIT	KITCHEN
KO	KNOCK OUT
L	
LAM	LAMINATE
LAV	LAVATORY
LB	POUNDS
LBS	POUNDS
LL	LANDLORD
LLC	LIMITED LIABILITY CORPORATION
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LRFD	LOAD AND RESISTANCE FACTOR DESIGN
LT	LIGHT
M	
MAO	MILL ASSEMBLY OPTIMIZATION
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDIUM
MEMBR	MEMBRANE
MEP	MECHANICAL, ELECTRICAL, AND PLUMBING
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MMTD	MULTIMODAL TRANSPORTATION DISTRICT
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTG	MOUNTING

ABBREVIATIONS

MTL	METAL
MULL	MULLION
N	
N	NORTH
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOA	NOTICE OF ACCEPTANCE BY MIAMI-DADE COUNTY
NOM	NOMINAL
NTS	NOT TO SCALE
O	
OA	OUTSIDE AIR
OC	ON CENTER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OD	OVERFLOW DRAIN
OEV	OWNER'S EQUIPMENT VENDOR
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
P	
P	PAINT
PAE	PRELIMINARY ARCHITECTURAL ELEVATIONS
PAV	PAVING
PBD	PARTICLE BOARD
PC	PRECAST
PCR	PRE-CONSTRUCTION REVIEW
PDF	POWER DRIVEN FASTENER
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PME	PLUMBING, MECHANICAL, AND ELECTRICAL
PNL	PANEL
PNT	PAINT OR PAINTED
POL	POLISHED
PR	PAIR
PREFAB	PREFABRICATED
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PT	POINT
PT	PRESSURE TREATED
PTD	PAINTED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
Q	
QT	QUARRY TILE
QTY	QUANTITY
R	
R	RADIUS/RISER
RA	RETURN AIR
RAD	RADIUS
RB	RESILIENT BASE
RBR	RUBBER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REC	RECESSED

ABBREVIATIONS

RECPT	RECEPTACLE
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCED
REINF	REINFORCED OR REINFORCING
REL	RELOCATE
RELO	RELOCATION OF A CFA THAT IS NEARBY
REM	REMOVABLE
REQ	REQUIRE/REQUIRED
REQ'D	REQUIRED
REQD	REQUIRED
RESIL	RESILIENT
REV	REVISION/REVISED
RM	ROOM
RO	ROUGH OPENING
RTD	RATED
RTG	RATING
RTU	ROOFTOP UNIT
RWL	RAIN WATER LEADER
S	
S	SOUTH
SA	SUPPLY AIR
SAF	SELF ADHERED FLASHING
SAF	SOUTHERN ALUMINUM FINISHERS
SC	SOLID CORE
SCHED	SCHEDULE
SD	STORM DRAIN
SE	SOUTHEAST
SECT	SECTION
SF	SQUARE FEET/FOOT
SH	SPRINKLER HEAD
SHR	SHOWER
SHT	SHEET
SIM	SIMILAR
SIR	SITE INVESTIGATION REPORT
SM	SHEET METAL
SM	SURFACE MOUNTED
SP	STANDPIPE
SPEC	SPECIFICATION
SPEC	SPECIFIED OR SPECIFICATION
SPK	SPRINKLER OR SPEAKER
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK
STA	STATION
STC	SOUND TRANSMISSION COEFFICIENT
STL	STEEL
STOR	STORAGE
STRG	STRINGER
STRUCT	STRUCTURAL
STRUCT	STRUCTURE OR STRUCTURAL
SUBCAT	SUBCATEGORY
SUSP	SUSPENDED
SYM	SYMMETRICAL
SYS	SYSTEM
T	
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TB	TOWEL BAR
TEL	TELEPHONE/TELECOM
TELE	TELEPHONE
TEMP	TEMPERATURE
TEMP	TEMPORARY
THK	THICKNESS
THRU	THROUGH

ABBREVIATIONS

TKBD	TACK BOARD
TLT	TOILET
TMPD	TEMPERED
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPO	THERMOPLASTIC POLYOLEFIN
TS	TUBE STEEL
TV	TELEVISION
TVM	TENNESSEE VALLEY METALS
TYP	TYPICAL
U	
UL	UNDERWRITER'S LABORATORY
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
URNL	URINAL
V	
VAC	VENTILATION AND AIR CONDITIONING
VAR	VARIES
VAV	VARIABLE AIR VOLUME
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIA	VISUAL IMPACT ANALYSIS
VIF	VERIFY IN FIELD
VP	VISION PANEL
VR	VAPOR RETARDER
VT	VINYL TILE
VWC	VINYL WALL COVERING
W	
W	WIDE/WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WIN	WINDOW
WL	WIND LOAD
WM	WIRE MESH
WP	WATERPROOF/WATERPROOFING
WPM	WATERPROOF MEMBRANE
WS	WEATHER-STRIPPING
WSCT	WAINSCOT
WT	WEIGHT
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
WWR	WELDING WIRE REINFORCEMENT
X	
XPS	EXTRUDED POLYSTYRENE

SYMBOLS LEGEND

- INDICATES FIRE EXTINGUISHER CABINET IN PLAN VIEW.
- INDICATES LOCATION OF ELECTRICAL PANEL IN PLAN VIEW.
- DS — INDICATES LOCATION DOWNSPOUT WITH PVC BOOT TO UNDERGROUND PIPING.
- B — INDICATES WINDOW TYPE
- 1 — INDICATES ARCHITECTURAL KEY NOTE
- 100 — INDICATES DOOR NUMBER, SEE DOOR SCHEDULE.
- BR-A — INDICATES EXTERIOR OR INTERIOR FINISH MATERIAL
- 1 A6.0 SIM / 1 A6.0 SIM — INDICATES BUILDING SECTION
- 1 A6.01 SIM — INDICATES WALL SECTION
- 1 A101 SIM — INDICATES PLAN OR SECTION DETAIL
- 1 A6.01 SIM — INDICATES MILLWORK OR CASEWORK DETAIL
- 1 A10.1 — INDICATES EXTERIOR OR INTERIOR ELEVATION
- 22 A5.2 — INDICATES HEAD, JAMB, SILL, OR THRESHOLD DETAIL FOR DOORS, WINDOWS, STOREFRONT, CURTAIN WALL, LOUVERS, OR OTHER OPENINGS
- 1 A1.01 SIM — INDICATES ENLARGED OR DETAIL VIEW
- 4 A5.01 — INDICATES LOCATION OF PHOTOGRAPH OR 3-D VIEW
- ℄ — INDICATES CENTERLINE.
- NORTH — INDICATES NORTH DIRECTION.
- 9'-0" — INDICATES SPOT ELEVATION.
- A — INDICATES TOILET ACCESSORY.
- S1 — INDICATES LOCATION AND TYPE OF SIGNAGE.
- M6a — INDICATES EXTERIOR WALL TYPE OR INTERIOR PARTITION TYPE.
- INDICATES REVISION. SEE REVISION SCHEDULE ON SHEET BORDER.
- 1 — INDICATES REVISION NUMBER. SEE REVISION SCHEDULE.
- X X — INDICATES PATH OF FENCE.
- INDICATES ASSUMED PROPERTY LINE.
- INDICATES PROPERTY SETBACK LINE.

ROOM NAME
A100 — INDICATES ROOM NAME & NUMBER.
ROOM NUMBER
BUILDING LEVEL
BUILDING ZONE

X — BANK EQUIPMENT. RE: A12 SHEETS

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No.	Description	Date

GENERAL NOTES AND LEGENDS

G1.1

6/27/2023 3:56:31 PM

SITE DEVELOPMENT PLANS FOR:

SAMFORD TRACE BUILDING 3 & 4

1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E, ZONED: PLANNED DEVELOPMENT DISTRICT (PDD)

SHEET INDEX

VICINITY MAP
NOT TO SCALE

SITE DISTURBED AREA = 1.14 AC.

ADEM PERMIT # ALR10C26M

PROJECT DIRECTORY

OWNER/DEVELOPER
THE VILLAGE AT SAMFORD TRACE, LLC
PO BOX 628
AUBURN, AL 36830
(334) 559-1974
CONTACT: PAVAN REDDY & MIKE ELLIS

CIVIL ENGINEER
FORESITE GROUP, LLC.
2128 MOORES MILL ROAD, SUITE C
AUBURN, AL 36830
(334) 887-6064
CONTACT: WES THRASH

SURVEYOR
BASELINE SURVEYING & DESIGN, LLC
2004 YARBROUGH DRIVE, STE A
OPELIKA, AL 36801
(334) 748-9200
CONTACT: LEDGE NETTLES

GEOTECHNICAL ENGINEER
CARMICHAEL ENGINEERING, INC.
P.O. BOX 241702
MONTGOMERY, AL 36124
(334) 213-5647
CONTACT: STEPHEN CARMICHAEL

LOCAL ISSUING AUTHORITY
CITY OF AUBURN ENGINEERING
161 N. ROSS ST. , SUITE A
AUBURN, AL 36830
(334) 501-7390
CONTACT: DAN CROWDUS, P.E.

UTILITY PROVIDERS

WATER AND SANITARY SEWER PROVIDER
AUBURN WATER RESOURCE MANAGEMENT
(334) 501-3064
CONTACT: MR. KRIS BERRY

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ISSUED:
FEBRUARY 15, 2023
1729.003

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PROJECT:
SAMFORD TRACE BUILDING 3 & 4
1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:
ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	AS SHOWN
TITLE:	COVER
SHEET NUMBER:	G-0
COMMENTS:	RELEASED FOR CONSTRUCTION
JOB/FILE NUMBER:	1729.003

GENERAL NOTES

A. DESIGN DATA PROVIDED IN ELECTRONIC FORMAT IS FOR INFORMATION PURPOSES ONLY AND SHOULD BE USED AT YOUR OWN RISK, AND IS PROVIDED WITHOUT REPRESENTATIONS AND WARRANTIES. ANY CONFLICT BETWEEN THE INFORMATION REFLECTED ON THE LATEST REVISION OF THE SEALED PLAN SHEETS AND THAT PROVIDED VIA ELECTRONIC FORMAT SHALL BE RESOLVED IN FAVOR OF THE SEALED PLAN SHEETS.

B. UTILITIES: THERE MAY BE ADDITIONAL EXISTING UTILITIES NOT SHOWN ON THESE PLANS. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN. FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. NOTIFY THE OWNER AND ENGINEER IF DISCREPANCIES ARE FOUND THAT WILL AFFECT THE CONSTRUCTION PROJECT. PROTECT ALL EXISTING UTILITIES.

C. TEMPORARY PROVISIONS: SEQUENCE THE WORK AND PROVIDE TEMPORARY MEASURES AS NEEDED TO MAINTAIN ACCESS TO THE SITE THROUGH ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION. TEMPORARY PROVISIONS MAY INCLUDE, BUT ARE NOT LIMITED TO: BARRICADES, FLASHING LIGHTS, FLAGMAN, TEMPORARY PAVEMENT, AND DIRECTIONAL SIGNAGE.

D. EQUIPMENT STORAGE: DO NOT PARK EQUIPMENT OR STORE MATERIALS IN STATE, COUNTY, OR CITY RIGHT-OF-WAY.

E. NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS IN THE FIELD AND THE SURVEY SHOWN ON THE PLANS BEFORE PROCEEDING WITH ANY NEW CONSTRUCTION.

F. OBTAIN ALL REQUIRED CONSTRUCTION RELATED PERMITS, INCLUDING DEMOLITION PERMIT, BEFORE STARTING WORK. RETAIN COPIES OF ALL PERMITS AT THE PROJECT SITE AT ALL TIMES.

G. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND AREA DISTURBANCE.

H. SIGNS (LOCATION, NUMBER, AND SIZE) ARE NOT APPROVED UNDER THE GENERAL DEVELOPMENT PERMIT. A SEPARATE PERMIT IS REQUIRED FOR ONSITE SIGNAGE.

I. NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL SITE IMPROVEMENTS HAVE BEEN COMPLETED ON THE SITE.

J. COMPLY WITH ALL APPLICABLE STATE, FEDERAL, AND LOCAL BUILDING AND UTILITY INSTALLATION CODES. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS UNLESS DEPARTMENT OF TRANSPORTATION STANDARDS OR LOCAL MUNICIPAL STANDARDS ARE MORE STRINGENT.

K. DO NOT DEVIATE FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.

L. WORK WITHIN D.O.T. RIGHT-OF-WAY:

1. ALL PAVEMENT MARKINGS WITHIN D.O.T. RIGHT-OF-WAY SHALL BE THERMOPLASTIC AND IN ACCORDANCE WITH D.O.T. SPECIFICATIONS.
2. RE-ESTABLISH ALL RIGHT-OF-WAY AREA, WHICH IS DAMAGED OR DISTURBED, TO ORIGINAL CONDITION OR BETTER.
3. ALL WORK IN D.O.T. RIGHT-OF-WAY SHALL COMPLY WITH D.O.T. SPECIFICATIONS.

M. ARRANGE HIGH INTENSITY LIGHTING TO CONCEAL THE SOURCE OF LIGHT FROM PUBLIC VIEW AND PREVENT INTERFERENCE WITH TRAFFIC.

N. ENSURE CORRECT HORIZONTAL AND VERTICAL ALIGNMENT OF ALL TIES BETWEEN PROPOSED AND EXISTING PAVEMENTS, CURB AND GUTTER, SIDEWALKS, WALLS, AND UTILITIES BEFORE BEGINNING WORK. NOTIFY ENGINEER IF DISCREPANCIES EXIST.

TRAFFIC CONTROL

A. IF DRAWINGS DO NOT INDICATE SITE SPECIFIC TRAFFIC CONTROL MEASURES, CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A TEMPORARY TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.

B. ALL TEMPORARY TRAFFIC CONTROL SIGNAGE AND MARKINGS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH THE MUTCD, LATEST EDITION.

C. CONTACT PROPERTY OWNERS TO BE AFFECTED BY CONSTRUCTION AND COORDINATE TEMPORARY DRIVEWAY CLOSURES AND SEQUENCING. MAINTAIN ACCESS FOR ALL PROPERTY OWNERS DURING CONSTRUCTION.

D. CONTROL DUST AS NECESSARY TO PREVENT INTERFERENCE WITH TRAFFIC.

E. INSPECT TRAFFIC CONTROL DEVICES ON A DAILY BASIS TO ENSURE PLACEMENT OF BARRICADES AND FUNCTION OF LIGHTS IS MAINTAINED THROUGHOUT CONSTRUCTION.

F. COORDINATE ALL LANE CLOSURES WITH THE LOCAL JURISDICTION HAVING AUTHORITY.

STRUCTURE & SITE DEMOLITION

A. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE STARTING DEMOLITION OPERATIONS.

B. VERIFY THAT HAZARDOUS MATERIALS HAVE BEEN REMEDIATED BEFORE PROCEEDING WITH BUILDING DEMOLITION OPERATIONS.

C. ENVIRONMENTAL & GEOTECHNICAL: REVIEW ALL PROJECT ENVIRONMENTAL AND GEOTECHNICAL REPORTS AN BECOME FAMILIAR WITH ALL ISSUES BEFORE DEMOLITION.

D. EXISTING UTILITIES: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITIES SERVING BUILDINGS AND STRUCTURES TO BE DEMOLISHED.

1. ARRANGE TO SHUT OFF INDICATED UTILITIES WITH UTILITY COMPANIES.
2. IF REMOVAL, RELOCATION, OR ABANDONMENT OF UTILITY SERVICES WILL AFFECT ADJACENT OCCUPIED BUILDINGS, THEN PROVIDE TEMPORARY UTILITIES THAT BYPASS BUILDINGS AND STRUCTURES TO BE DEMOLISHED AND THAT MAINTAIN CONTINUITY OF SERVICE TO OTHER BUILDINGS AND STRUCTURES.
3. DO NOT COMMENCE DEMOLITION OPERATIONS UNTIL TEMPORARY EROSION AND SEDIMENT CONTROL AND PLANT-PROTECTION MEASURES ARE IN PLACE.
4. OBTAIN THE DEMOLITION PERMIT FROM THE LOCAL AUTHORITY PRIOR TO STARTING DEMOLITION ACTIVITIES.
5. EXISTING FACILITIES: PROTECT ADJACENT WALKWAYS, LOADING DOCKS, BUILDING ENTRIES, AND OTHER BUILDING FACILITIES DURING DEMOLITION OPERATIONS. MAINTAIN EXITS FROM EXISTING BUILDINGS. PROMPTLY REPAIR ANY FACILITIES DAMAGED BY CONSTRUCTION OPERATIONS TO OWNER'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.
6. EXISTING UTILITIES: MAINTAIN UTILITY SERVICES TO REMAIN AND PROTECT FROM DAMAGE DURING DEMOLITION OPERATIONS.
7. TEMPORARY PROTECTION: ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES, RAILINGS, CANOPIES, AND COVERED PASSAGEWAYS, WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION AND AS INDICATED.
8. REMOVE TEMPORARY BARRIERS AND PROTECTIONS WHERE HAZARDS NO LONGER EXIST. WHERE OPEN EXCAVATIONS OR OTHER HAZARDOUS CONDITIONS REMAIN, LEAVE TEMPORARY BARRIERS AND PROTECTIONS IN PLACE.
9. REMOVE DEMOLITION WASTE MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA-APPROVED LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION
10. DO NOT BURN DEMOLISHED MATERIALS UNLESS SPECIAL WRITTEN PERMISSION IS OBTAINED FROM OWNER AND ENGINEER.
11. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY BUILDING DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE BUILDING DEMOLITION OPERATIONS BEGAN

SITE CLEARING

1.) PROJECT CONDITIONS

A. TRAFFIC: MINIMIZE INTERFERENCE WITH ADJOINING ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES DURING SITE-CLEARING OPERATIONS.

B. ENVIRONMENTAL & GEOTECHNICAL: REVIEW ALL PROJECT ENVIRONMENTAL AND GEOTECHNICAL REPORTS AND BECOME FAMILIAR WITH ALL ISSUES BEFORE SITE CLEARING.

C. UTILITY LOCATOR SERVICE: NOTIFY UTILITY LOCATOR SERVICE FOR AREA WHERE PROJECT IS LOCATED BEFORE SITE CLEARING.

D. DO NOT COMMENCE SITE CLEARING OPERATIONS UNTIL TEMPORARY EROSION- AND SEDIMENTATION-CONTROL AND PLANT-PROTECTION MEASURES ARE IN PLACE.

2.) TEMPORARY EROSION AND SEDIMENTATION CONTROL

A. PROVIDE TEMPORARY EROSION- AND SEDIMENTATION-CONTROL MEASURES TO PREVENT SOIL EROSION AND DISCHARGE OF SOIL-BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS, ACCORDING TO EROSION- AND SEDIMENTATION-CONTROL DRAWINGS AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.

B. VERIFY THAT FLOWS OF WATER REDIRECTED FROM CONSTRUCTION AREAS OR GENERATED BY CONSTRUCTION ACTIVITY DO NOT ENTER OR CROSS PROTECTION ZONES.

C. INSPECT, MAINTAIN, AND REPAIR EROSION- AND SEDIMENTATION-CONTROL MEASURES DURING CONSTRUCTION UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED.

D. REMOVE EROSION AND SEDIMENTATION CONTROLS WHEN SITE IS STABILIZED AND RESTORE AND STABILIZE AREAS DISTURBED DURING REMOVAL.

3.) TREE AND PLANT PROTECTION

A. REPAIR OR REPLACE TREES, SHRUBS, AND OTHER VEGETATION INDICATED TO REMAIN OR BE RELOCATED THAT ARE DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER APPROVED BY ENGINEER.

4.) EXISTING UTILITIES

A. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP UTILITIES INDICATED TO BE REMOVED OR ABANDONED IN PLACE. ARRANGE WITH UTILITY COMPANIES TO SHUT OFF INDICATED UTILITIES.

B. INTERRUPTING EXISTING UTILITIES: DO NOT INTERRUPT UTILITIES SERVING FACILITIES OCCUPIED BY OWNER OR OTHERS UNLESS PERMITTED UNDER THE FOLLOWING CONDITIONS AND THEN ONLY AFTER ARRANGING TO PROVIDE TEMPORARY UTILITY SERVICES ACCORDING TO REQUIREMENTS INDICATED:

1. NOTIFY UTILITY OWNER NOT LESS THAN TWO DAYS IN ADVANCE OF PROPOSED UTILITY INTERRUPTIONS.
2. DO NOT PROCEED WITH UTILITY INTERRUPTIONS WITHOUT UTILITY OWNER'S WRITTEN PERMISSION.

C. POTHOLE EXISTING WATER LINES, UNDERGROUND ELECTRICAL LINES, GAS LINES, UNDERGROUND TELEPHONE LINES, FIBER OPTIC, AND ANY OTHER EXISTING UTILITY LINES WITHIN THE PROJECT LIMITS DURING SITE CLEARING AND DEMOLITION ACTIVITIES. SURVEY THE EXISTING UTILITY ELEVATIONS AND PROVIDE THE SURVEYED FIELD LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW. THESE EXISTING UTILITIES MAY REQUIRE RELOCATION.

5.) CLEARING AND GRUBBING

A. REMOVE OBSTRUCTIONS, CONCRETE, ASPHALT, TREES, SHRUBS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION.

1. DO NOT REMOVE TREES, SHRUBS, AND OTHER VEGETATION INDICATED TO REMAIN OR TO BE RELOCATED.
2. GRIND DOWN STUMPS AND REMOVE ROOTS, OBSTRUCTIONS, AND DEBRIS TO A DEPTH OF 12 INCHES BELOW EXPOSED SUBGRADE.
3. USE ONLY HAND METHODS FOR GRUBBING WITHIN PROTECTION ZONES.
4. THE SUBGRADE TO REMAIN SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY FOLLOWING CLEARING AND GRUBBING ACTIVITIES.

6.) TOPSOIL STRIPPING

A. REMOVE SOD AND GRASS BEFORE STRIPPING TOPSOIL.

B. STRIP TOPSOIL IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER WASTE MATERIALS.

C. STOCKPILE TOPSOIL AWAY FROM EDGE OF EXCAVATIONS WITHOUT INTERMIXING WITH SUBSOIL. GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST AND EROSION BY WATER.

D. DISPOSE OF SURPLUS TOPSOIL. SURPLUS TOPSOIL IS THAT WHICH EXCEEDS QUANTITY INDICATED TO BE STOCKPILED OR REUSED.

SITE WATER DISTRIBUTION

1.) GENERAL

A. REGULATORY REQUIREMENTS:

1. COMPLY WITH REQUIREMENTS OF UTILITY COMPANY SUPPLYING WATER. INCLUDE TAPPING OF WATER MAINS AND BACKFLOW PREVENTION.
2. COMPLY WITH STANDARDS OF AUTHORITIES HAVING JURISDICTION FOR POTABLE-WATER-SERVICE PIPING, INCLUDING MATERIALS, INSTALLATION, TESTING, AND DISINFECTION.

B. PIPING MATERIALS SHALL BEAR LABEL, STAMP, OR OTHER MARKINGS OF SPECIFIED TESTING AGENCY.

C. INTERRUPTION OF EXISTING WATER-DISTRIBUTION SERVICE: NOTIFY OWNER AT LEAST 2 DAYS PRIOR TO INTERRUPTION OF EXISTING WATER SERVICES.

D. COORDINATE WITH UTILITY COMPANY FOR REQUIRED INSPECTIONS AND FOR CONNECTION OF WATER MAIN AND SERVICES BEFORE STARTING CONSTRUCTION.

2.) COPPER TUBE AND FITTINGS

A. SOFT COPPER TUBE: ASTM B 88, TYPE K , WATER TUBE, ANNEALED TEMPER.

B. COPPER, PRESSURE-SEAL FITTINGS:

1. NPS 2 AND SMALLER: WROUGHT-COPPER FITTING WITH EPDM O-RING SEAL IN EACH END.
2. NPS 2-1/2 TO NPS 4 : BRONZE FITTING WITH STAINLESS-STEEL GRIP RING AND EPDM O-RING SEAL IN EACH END.

C. BRONZE FLANGES: ASME B16.24, CLASS 150, WITH SOLDER-JOINT END. FURNISH CLASS 300 FLANGES IF REQUIRED TO MATCH PIPING.

D. COPPER UNIONS: MSS SP-123, CAST-COPPER-ALLOY, HEXAGONAL-STOCK BODY WITH BALL-AND-SOCKET, METAL-TO-METAL SEATING SURFACES, AND SOLDER-JOINT OR THREADED ENDS.

3.) DUCTILE-IRON PIPE AND FITTINGS

A. MECHANICAL-JOINT, DUCTILE-IRON PIPE: AWWA C151, WITH MECHANICAL-JOINT BELL AND PLAIN SPIGOT END UNLESS GROOVED OR FLANGED ENDS ARE INDICATED.

1. MECHANICAL-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE- OR GRAY-IRON STANDARD PATTERN OR AWWA C153, DUCTILE-IRON COMPACT PATTERN.
2. GLANDS, GASKETS, AND BOLTS: AWWA C111, DUCTILE- OR GRAY-IRON GLANDS, RUBBER GASKETS, AND STEEL BOLTS.

B. PUSH-ON-JOINT, DUCTILE-IRON PIPE: AWWA C151, WITH PUSH-ON-JOINT BELL AND PLAIN SPIGOT END UNLESS GROOVED OR FLANGED ENDS ARE INDICATED.

C. FLANGES: ASME 16.1, CLASS 125, CAST IRON.

4.) PVC PIPE AND FITTINGS

A. PVC, SCHEDULE 40 PIPE: ASTM D 1785. PVC, SCHEDULE 40 SOCKET FITTINGS: ASTM D 2466.

B. PVC, AWWA PIPE: AWWA C900, CLASS 200, WITH BELL END WITH GASKET, AND WITH SPIGOT END.

C. MECHANICAL-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE- OR GRAY-IRON STANDARD PATTERN OR AWWA C153, DUCTILE-IRON COMPACT PATTERN.

5.) GATE VALVES

A. AWWA, CAST-IRON GATE VALVES: NONRISING-STEM, RESILIENT-SEATED GATE VALVES: GRAY- OR DUCTILE-IRON BODY AND BONNET; WITH BRONZE OR GRAY- OR DUCTILE-IRON GATE, RESILIENT SEATS, BRONZE STEM, AND STEM NUT.

1. STANDARD: AWWA C509.
2. MINIMUM PRESSURE RATING: 250 PSIG .
3. END CONNECTIONS: MECHANICAL JOINT.
4. INTERIOR COATING: COMPLYING WITH AWWA C550.

6.) GATE VALVE ACCESSORIES AND SPECIALTIES

A. TAPPING-SLEEVE ASSEMBLIES: SLEEVE AND VALVE COMPATIBLE WITH DRILLING MACHINE.

1. STANDARD: MSS SP-60.
2. TAPPING SLEEVE: CAST- OR DUCTILE-IRON OR STAINLESS-STEEL, TWO-PIECE BOLTED SLEEVE WITH FLANGED OUTLET FOR NEW BRANCH CONNECTION. INCLUDE SLEEVE MATCHING SIZE AND TYPE OF PIPE MATERIAL BEING TAPPED AND WITH RECESSED FLANGE FOR BRANCH VALVE.
3. VALVE: AWWA, CAST-IRON, NONRISING-STEM, RESILIENT-SEATED GATE VALVE WITH ONE RAISED FACE FLANGE MATING TAPPING-SLEEVE FLANGE.

B. VALVE BOXES: COMPLY WITH AWWA M44 FOR CAST-IRON VALVE BOXES. INCLUDE TOP SECTION, ADJUSTABLE EXTENSION OF LENGTH REQUIRED FOR DEPTH OF BURIAL OF VALVE, PLUG WITH LETTERING "WATER," AND BOTTOM SECTION WITH BASE THAT FITS OVER VALVE AND WITH A BARREL APPROXIMATELY 5 INCHES IN DIAMETER.

7.) BACKFLOW PREVENTERS

A. DOUBLE-CHECK, DETECTOR-ASSEMBLY BACKFLOW PREVENTERS:

1. STANDARDS: ASSE 1048 AND UL LISTED OR FMG APPROVED.
2. OPERATION: CONTINUOUS-PRESSURE APPLICATIONS.
3. PRESSURE LOSS: 5 PSIG MAXIMUM, THROUGH MIDDLE 1/3 OF FLOW RANGE.
4. BODY: CAST IRON WITH INTERIOR LINING COMPLYING WITH AWWA C550 OR THAT IS FDA APPROVED.
5. END CONNECTIONS: FLANGED.
6. CONFIGURATION: DESIGNED FOR HORIZONTAL, STRAIGHT THROUGH FLOW.

8.) WATER METER BOXES

A. DESCRIPTION: CAST-IRON BODY AND COVER FOR DISC-TYPE WATER METER, WITH LETTERING "WATER METER" IN COVER; AND WITH SLOTTED, OPEN-BOTTOM BASE SECTION OF LENGTH TO FIT OVER SERVICE PIPING.

9.) CONCRETE VAULTS

A. DESCRIPTION: PRECAST, REINFORCED-CONCRETE VAULT, DESIGNED FOR A-16 LOAD DESIGNATION ACCORDING TO ASTM C 857 AND MADE ACCORDING TO ASTM C 858.

1. LADDER: ASTM A 36/A 36M, STEEL OR POLYETHYLENE-ENCASED STEEL STEPS.
2. MANHOLE: ASTM A 48/A 48M CLASS NO. 35A MINIMUM TENSILE STRENGTH, GRAY-IRON TRAFFIC FRAME AND COVER.
   a. DIMENSION: 24-INCH MINIMUM DIAMETER, UNLESS OTHERWISE INDICATED.
3. DRAIN: ASME A112.6.3, CAST-IRON FLOOR DRAIN WITH OUTLET OF SIZE INDICATED. INCLUDE BODY ANCHOR FLANGE, LIGHT-DUTY CAST-IRON GRATE, BOTTOM OUTLET, AND INTEGRAL OR FIELD-INSTALLED BRONZE BALL OR CLAPPER-TYPE BACKWATER VALVE.

10.) FIRE HYDRANTS

A. DRY-BARREL FIRE HYDRANTS: FREESTANDING, WITH ONE NPS 4-1/2 AND TWO NPS 2-1/2 OUTLETS, 5-1/4-INCH MAIN VALVE, DRAIN VALVE, AND NPS 6 MECHANICAL-JOINT INLET. INCLUDE INTERIOR COATING ACCORDING TO AWWA C550. HYDRANT SHALL HAVE CAST-IRON BODY, COMPRESSION-TYPE VALVE OPENING AGAINST PRESSURE AND CLOSING WITH PRESSURE.

1. STANDARD: AWWA C502.
2. PRESSURE RATING: 250 PSIG .

11.) FIRE DEPARTMENT CONNECTIONS

A. FIRE DEPARTMENT CONNECTIONS: FREESTANDING, WITH CAST-BRONZE BODY, THREAD INLETS ACCORDING TO NFPA 1963 AND MATCHING LOCAL FIRE DEPARTMENT HOSE THREADS, AND THREADED BOTTOM OUTLET. INCLUDE LUGGED CAPS, GASKETS, AND CHAINS; LUGGED SWIVEL CONNECTION AND DROP CLAPPER FOR EACH HOSE-CONNECTION INLET; 18-INCH- HIGH BRASS SLEEVE; AND ROUND ESCUTCHEON PLATE.

12.) VALVE APPLICATIONS

A. DRAWINGS INDICATE VALVE TYPES TO BE USED. WHERE SPECIFIC VALVE TYPES ARE NOT INDICATED, THE FOLLOWING REQUIREMENTS APPLY:

1. UNDERGROUND VALVES, NPS 3 AND LARGER: AWWA, CAST-IRON, NONRISING-STEM, RESILIENT-SEATED GATE VALVES WITH VALVE BOX.
2. USE THE FOLLOWING FOR VALVES IN VAULTS AND ABOVEGROUND:
   a. GATE VALVES, NPS 2 AND SMALLER: BRONZE, NONRISING STEM.
   b. GATE VALVES, NPS 3 AND LARGER: AWWA, CAST IRON, OS&Y RISING STEM, RESILIENT SEATED.
   c. CHECK VALVES: AWWA C508, SWING TYPE.

13.) FIELD QUALITY CONTROL

A. PIPING TESTS: CONDUCT PIPING TESTS BEFORE JOINTS ARE COVERED AND AFTER CONCRETE THRUST BLOCKS HAVE HARDENED SUFFICIENTLY. FILL PIPELINE 24 HOURS BEFORE TESTING AND APPLY TEST PRESSURE TO STABILIZE SYSTEM. USE ONLY POTABLE WATER.

B. HYDROSTATIC TESTS: TEST AT NOT LESS THAN ONE-AND-ONE-HALF TIMES WORKING PRESSURE FOR TWO HOURS. INCREASE PRESSURE IN 50-PSIG INCREMENTS AND INSPECT EACH JOINT BETWEEN INCREMENTS. HOLD AT TEST PRESSURE FOR 1 HOUR; DECREASE TO 0 PSIG . SLOWLY INCREASE AGAIN TO TEST PRESSURE AND HOLD FOR 1 MORE HOUR. MAXIMUM ALLOWABLE LEAKAGE IS 2 QUARTS PER HOUR PER 100 JOINTS. REMAKE LEAKING JOINTS WITH NEW MATERIALS AND REPEAT TEST UNTIL LEAKAGE IS WITHIN ALLOWED LIMITS.

C. DISINFECTION: CLEAN AND DISINFECT POTABLE WATER MAINS AS DIRECTED BY THE LOCAL AUTHORITY, OR, IF METHOD IS NOT PRESCRIBED BY THE LOCAL AUTHORITY, USE PROCEDURE DESCRIBED IN AWWA C651.

D. PREPARE REPORTS OF TESTING ACTIVITIES AND SUBMIT TO THE ENGINEER FOR APPROVAL.

14.) IDENTIFICATION

A. INSTALL CONTINUOUS UNDERGROUND DETECTABLE WARNING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND WATER-DISTRIBUTION PIPING. LOCATE BELOW FINISHED GRADE, DIRECTLY OVER PIPING.

SITE SANITARY SEWERS

1.) PROJECT CONDITIONS

A. INTERRUPTION OF EXISTING SANITARY SEWERAGE SERVICE: COORDINATE AS REQUIRED WITH THE LOCAL SANITARY SEWER AUTHORITY BEFORE STARTING CONSTRUCTION.

B. UTILITY LOCATOR SERVICE: NOTIFY UTILITY LOCATOR SERVICE FOR AREA WHERE PROJECT IS LOCATED BEFORE BEGINNING SANITARY SEWER INSTALLATION OPERATIONS. FIELD VERIFY ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS BY POT-HOLING THE LINES. SURVEY EXISTING UTILITIES AND PROVIDE HORIZONTAL AND VERTICAL LOCATION INFORMATION TO THE ENGINEER TO DETERMINE OF ANY UTILITIES WILL CONFLICT WITH THE PROPOSED DESIGN.

2.) DUCTILE-IRON, GRAVITY SEWER PIPE AND FITTINGS

A. PIPE: ASTM A 746, FOR PUSH-ON JOINTS.

B. COMPACT FITTINGS: AWWA C153, DUCTILE IRON, FOR PUSH-ON JOINTS.

C. GASKETS: AWWA C111, RUBBER.

3.) PVC PIPE AND FITTINGS

A. PVC GRAVITY SEWER PIPING: ASTM F 679, T-1 WALL THICKNESS, PVC GRAVITY SEWER PIPE WITH BELL-AND-SPIGOT ENDS AND WITH INTEGRAL ASTM F 477, ELASTOMERIC SEALS FOR GASKETED JOINTS.

4.) CLEANOUTS

A. CAST-IRON CLEANOUTS:

1. DESCRIPTION: ASME A112.36.2M, ROUND, GRAY-IRON HOUSING WITH CLAMPING DEVICE AND ROUND, SECURED, SCORIATED, GRAY-IRON COVER. INCLUDE GRAY-IRON FERRULE WITH INSIDE CALK OR SPIGOT CONNECTION AND COUNTERSUNK, TAPERED-THREAD, BRASS CLOSURE PLUG.
2. TOP-LOADING CLASSIFICATION: TRAFFIC RATED, HEAVY DUTY, IN ALL PAVED AREAS AND AREAS SUBJECT TO VEHICULAR TRAFFIC.
3. SEWER PIPE FITTING AND RISER TO CLEANOUT: ASTM A 74, SERVICE CLASS, CAST-IRON SOIL PIPE AND FITTINGS.

B. PVC CLEANOUTS: PVC BODY WITH PVC THREADED PLUG. INCLUDE PVC SEWER PIPE FITTING AND RISER TO CLEANOUT OF SAME MATERIAL AS SEWER PIPING. USE IN LIGHT DUTY APPLICATIONS WHERE THERE IS PEDESTRIAN TRAFFIC ONLY OR IN LANDSCAPED AREAS.

5.) MANHOLES

A. STANDARD PRECAST CONCRETE MANHOLES:

1. DESCRIPTION: ASTM C 478 , PRECAST, REINFORCED CONCRETE, OF DEPTH INDICATED, WITH PROVISION FOR SEALANT JOINTS.
2. DIAMETER: 48 INCHES MINIMUM UNLESS OTHERWISE INDICATED.
3. BALLAST: INCREASE THICKNESS OF PRECAST CONCRETE SECTIONS OR ADD CONCRETE TO BASE SECTION, AS REQUIRED TO PREVENT FLOTATION.
4. BASE SECTION: 6-INCH MINIMUM THICKNESS FOR FLOOR SLAB AND 4-INCH MINIMUM THICKNESS FOR WALLS AND BASE RISER SECTION; WITH SEPARATE BASE SLAB OR BASE SECTION WITH INTEGRAL FLOOR.
5. RISER SECTIONS: 4-INCH MINIMUM THICKNESS, OF LENGTH TO PROVIDE DEPTH INDICATED.
6. TOP SECTION: ECCENTRIC-CONE TYPE UNLESS CONCENTRIC-CONE OR FLAT-SLAB-TOP TYPE IS INDICATED; WITH TOP OF CONE OF SIZE THAT MATCHES GRADE RINGS.
7. JOINT SEALANT: ASTM C 990 , BITUMEN OR BUTYL RUBBER.
8. RESILIENT PIPE CONNECTORS: ASTM C 923 , CAST OR FITTED INTO MANHOLE WALLS, FOR EACH PIPE CONNECTION.
9. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER; WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF MANHOLE TO FINISHED GRADE IS LESS THAN 48 INCHES.
10. ADJUSTING RINGS: INTERLOCKING HDPE RINGS, WITH LEVEL OR SLOPED EDGE IN THICKNESS AND DIAMETER MATCHING MANHOLE FRAME AND COVER, AND WITH HEIGHT AS REQUIRED TO ADJUST MANHOLE FRAME AND COVER TO INDICATED ELEVATION AND SLOPE. INCLUDE SEALANT RECOMMENDED BY RING MANUFACTURER.
11. GRADE RINGS: REINFORCED-CONCRETE RINGS, 6- TO 9-INCH TOTAL THICKNESS, WITH DIAMETER MATCHING MANHOLE FRAME AND COVER, AND WITH HEIGHT AS REQUIRED TO ADJUST MANHOLE FRAME AND COVER TO INDICATED ELEVATION AND SLOPE.

B. MANHOLE FRAMES AND COVERS:

1. DESCRIPTION: FERROUS; 24-INCH ID BY 7- TO 9-INCH RISER, WITH 4-INCH- MINIMUM-WIDTH FLANGE AND 26-INCH- DIAMETER COVER. INCLUDE INDENTED TOP DESIGN WITH LETTERING CAST INTO COVER, USING WORDING EQUIVALENT TO "SANITARY SEWER."
2. MATERIAL: ASTM A 536, GRADE 60-40-18 DUCTILE IRON UNLESS OTHERWISE INDICATED.

6.) IDENTIFICATION

A. ARRANGE FOR INSTALLATION OF GREEN WARNING TAPES DIRECTLY OVER PIPING AND AT OUTSIDE EDGES OF UNDERGROUND MANHOLES.

1. USE WARNING TAPE OR DETECTABLE WARNING TAPE OVER FERROUS PIPING.
2. USE DETECTABLE WARNING TAPE OVER NONFERROUS PIPING AND OVER EDGES OF UNDERGROUND MANHOLES.

7.) FIELD QUALITY CONTROL

A. INSPECT INTERIOR OF PIPING TO DETERMINE WHETHER LINE DISPLACEMENT OR OTHER DAMAGE HAS OCCURRED. INSPECT AFTER APPROXIMATELY 24 INCHES OF BACKFILL IS IN PLACE, AND AGAIN AT COMPLETION OF PROJECT.

1. DEFECTS REQUIRING CORRECTION INCLUDE THE FOLLOWING:
   a. ALIGNMENT: LESS THAN FULL DIAMETER OF INSIDE OF PIPE IS VISIBLE BETWEEN STRUCTURES.
   b. DEFLECTION: FLEXIBLE PIPING WITH DEFLECTION THAT PREVENTS PASSAGE OF BALL OR CYLINDER OF SIZE NOT LESS THAN 92.5 PERCENT OF PIPING DIAMETER.
   c. DAMAGE: CRUSHED, BROKEN, CRACKED, OR OTHERWISE DAMAGED PIPING.
   d. INFILTRATION: WATER LEAKAGE INTO PIPING.
   e. EXFILTRATION: WATER LEAKAGE FROM OR AROUND PIPING.
2. REPLACE DEFECTIVE PIPING USING NEW MATERIALS, AND REPEAT INSPECTIONS UNTIL DEFECTS ARE WITHIN ALLOWANCES SPECIFIED.
3. REINSPECT AND REPEAT PROCEDURE UNTIL RESULTS ARE SATISFACTORY.

B. TEST NEW PIPING SYSTEMS, AND PARTS OF EXISTING SYSTEMS THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED, FOR LEAKS AND DEFECTS.

1. DO NOT ENCLOSE, COVER, OR PUT INTO SERVICE BEFORE INSPECTION AND APPROVAL.
2. TEST COMPLETED PIPING SYSTEMS ACCORDING TO REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
3. SCHEDULE TESTS AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION WITH AT LEAST 24 HOURS ADVANCE NOTICE.
4. SUBMIT A SEPARATE REPORT FOR EACH TEST TO THE ENGINEER FOR APPROVAL.
5. AIR TESTS: TEST SANITARY SEWERAGE ACCORDING TO REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION, UNI-B-6, AND THE FOLLOWING:
   a. TEST PLASTIC GRAVITY SEWER PIPING ACCORDING TO ASTM F 1417.
6. MANHOLES: PERFORM HYDRAULIC TEST ACCORDING TO ASTM C 969 .

C. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED.

D. REPLACE LEAKING PIPING USING NEW MATERIALS, AND REPEAT TESTING UNTIL LEAKAGE IS WITHIN ALLOWANCES SPECIFIED.

SITE STORM UTILITY DRAINAGE PIPING

1.) PIPE AND FITTINGS- GENERAL

A. ALL STORMWATER PIPE, INLETS, HEADWALLS, AND RELATED APPURTENANCES SHALL MEET LOCAL D.O.T. STANDARDS.

B. ALL STORMWATER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURERS INSTRUCTIONS.

2.) STEEL PIPE AND FITTINGS

A. CORRUGATED-STEEL PIPE AND FITTINGS: ASTM A 760/A 760M, TYPE I WITH FITTINGS OF SIMILAR FORM AND CONSTRUCTION AS PIPE.

1. STANDARD-JOINT BANDS: CORRUGATED STEEL.
2. COATING: ALUMINUM OR BITUMINOUS

3.) PE PIPE AND FITTINGS

A. CORRUGATED PE DRAINAGE PIPE AND FITTINGS NPS 3 TO NPS 10 : AASHTO M 252M; NPS 12 TO NPS 48 : AASHTO M 294M TYPE S, WITH SMOOTH WATERWAY FOR COUPLING JOINTS.

B. SILTTIGHT COUPLINGS: PE SLEEVE WITH ASTM D 1056, TYPE 2, CLASS A, GRADE 2 GASKET MATERIAL THAT MATES WITH TUBE AND FITTINGS.

4.) PVC CORRUGATED PIPE AND FITTINGS

A. CORRUGATED PVC DRAINAGE PIPE AND FITTINGS NPS 4 TO NPS 36: SMOOTH INTERIOR, ASTM F949, 46 PSI STIFFNESS WHEN TESTED IN ACCORDANCE WITH ASTM D2412. PVC COMPOUND HAVING A MINIMUM CELL CLASSIFICATION OF 12454 AS DEFINED IN ASTM D1784. FITTINGS: SMOOTH INTERIOR, ASTM F949, SECTION 5.2.3 OR F794, SECTION 7.2.4. JOINTS SHALL BE MADE WITH INTEGRALLY-FORMED BELL AND SPIGOT GASKETED CONNECTIONS. MANUFACTURER SHALL PROVIDE DOCUMENTATION SHOWING NO LEAKAGE WHEN GASKETED PIPE JOINTS ARE TESTED IN ACCORDANCE WITH ASTM D3212. ELASTOMERIC SEALS (GASKETS) SHALL MEET ASTM F477.

5.) CONCRETE PIPE AND FITTINGS

A. REINFORCED-CONCRETE SEWER PIPE AND FITTINGS: ASTM C 76 . BELL-AND-SPIGOT OR TONGUE-AND-GROOVE ENDS AND GASKETED JOINTS WITH ASTM C 443 , RUBBER GASKETS OR SEALANT JOINTS WITH ASTM C 990 , BITUMEN OR BUTYL-RUBBER SEALANT. CLASS III, WALL B.

B. CAST-IRON AREA DRAINS: ASME A112.6.3 GRAY-IRON ROUND BODY WITH ANCHOR FLANGE AND ROUND GRATE. INCLUDE BOTTOM OUTLET WITH INSIDE CALK OR SPIGOT CONNECTION, OF SIZES INDICATED.

6.) MANHOLES

A. STANDARD PRECAST CONCRETE MANHOLES:

1. DESCRIPTION: ASTM C 478 , PRECAST, REINFORCED CONCRETE, OF DEPTH INDICATED, WITH PROVISION FOR SEALANT JOINTS.
2. DIAMETER: 48 INCHES MINIMUM UNLESS OTHERWISE INDICATED.
3. BALLAST: INCREASE THICKNESS OF PRECAST CONCRETE SECTIONS OR ADD CONCRETE TO BASE SECTION AS REQUIRED TO PREVENT FLOTATION.
4. BASE SECTION: 6-INCH MINIMUM THICKNESS FOR FLOOR SLAB AND 4-INCH MINIMUM THICKNESS FOR WALLS AND BASE RISER SECTION, AND SEPARATE BASE SLAB OR BASE SECTION WITH INTEGRAL FLOOR.
5. RISER SECTIONS: 4-INCH MINIMUM THICKNESS, AND LENGTHS TO PROVIDE DEPTH INDICATED.
6. TOP SECTION: ECCENTRIC-CONE TYPE UNLESS CONCENTRIC-CONE OR FLAT-SLAB-TOP TYPE IS INDICATED, AND TOP OF CONE OF SIZE THAT MATCHES GRADE RINGS.
7. JOINT SEALANT: ASTM C 990 , BITUMEN OR BUTYL RUBBER.
8. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF MANHOLE TO FINISHED GRADE IS LESS THAN 48 INCHES.

B. MANHOLE FRAMES AND COVERS:

1. DESCRIPTION: FERROUS; 24-INCH ID BY 7- TO 9-INCH RISER WITH 4-INCH- MINIMUM WIDTH FLANGE AND 26-INCH- DIAMETER COVER. INCLUDE INDENTED TOP DESIGN WITH LETTERING CAST INTO COVER, USING WORDING EQUIVALENT TO "STORM SEWER."
2. MATERIAL: ASTM A 536, GRADE 60-40-18 DUCTILE IRON UNLESS OTHERWISE INDICATED.

7.) INLET & JUNCTION BOXES

A. STANDARD PRECAST CONCRETE:

1. DESCRIPTION: ASTM C 478 , PRECAST, REINFORCED CONCRETE, OF DEPTH INDICATED, WITH PROVISION FOR SEALANT JOINTS.
2. BASE SECTION: 6-INCH MINIMUM THICKNESS FOR FLOOR SLAB AND 4-INCH MINIMUM THICKNESS FOR WALLS AND BASE RISER SECTION, AND SEPARATE BASE SLAB OR BASE SECTION WITH INTEGRAL FLOOR.
3. RISER SECTIONS: 4-INCH MINIMUM THICKNESS, 48-INCH DIAMETER, AND LENGTHS TO PROVIDE DEPTH INDICATED.
4. TOP SECTION: ECCENTRIC-CONE TYPE UNLESS CONCENTRIC-CONE OR FLAT-SLAB-TOP TYPE IS INDICATED. TOP OF CONE OF SIZE THAT MATCHES GRADE RINGS.
5. JOINT SEALANT: ASTM C 990 , BITUMEN OR BUTYL RUBBER.
6. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF CATCH BASIN TO FINISHED GRADE IS LESS THAN 48 INCHES.
7. PIPE CONNECTORS: ASTM C 923 , RESILIENT, OF SIZE REQUIRED, FOR EACH PIPE CONNECTING TO BASE SECTION.

8.) STORMWATER DETENTION STRUCTURES

A. CAST-IN-PLACE CONCRETE, STORMWATER DETENTION STRUCTURES: CONSTRUCTED OF REINFORCED-CONCRETE BOTTOM, WALLS, AND TOP; DESIGNED ACCORDING TO ASTM C 890 FOR A-16 (AASHTO HS20-44), HEAVY-TRAFFIC, STRUCTURAL LOADING; OF DEPTH, SHAPE, DIMENSIONS, AND APPURTENANCES INDICATED.

1. BALLAST: INCREASE THICKNESS OF CONCRETE AS REQUIRED TO PREVENT FLOTATION.
2. GRADE RINGS: INCLUDE TWO OR THREE REINFORCED-CONCRETE RINGS, OF 6- TO 9-INCH TOTAL THICKNESS, THAT MATCH 24-INCH- DIAMETER FRAME AND COVER.
3. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF STRUCTURE TO FINISHED GRADE IS LESS THAN 48 INCHES.
4. FORM AND CAST WIERS AND PIPE OPENINGS AS INDICATED ON DRAWINGS.

B. MANHOLE FRAMES AND COVERS: ASTM A 536, GRADE 60-40-18, DUCTILE-IRON CASTINGS DESIGNED FOR HEAVY-DUTY SERVICE.

9.) PIPE OUTLETS

A. PRE-CAST HEAD WALLS: PRE-CAST REINFORCED CONCRETE, WITH APRON AND TAPERED SIDES.

B. SLOPE PAVED HEAD WALLS: CAST-IN-PLACE REINFORCED CONCRETE AS SHOWN ON DRAWINGS.

C. RIPRAP BASINS: BROKEN, IRREGULARLY SIZED AND SHAPED, GRADED STONE ACCORDING TO NSSGA'S "QUARRIED STONE FOR EROSION AND SEDIMENT CONTROL." MINIMUM STONE SIZE AND DIMENSIONS AS SHOWN ON DRAWINGS.

10.) PIPING INSTALLATION

A. INSTALL LOCATOR WIRE OR TAPE 6-INCHES ABOVE ALL NON-METALLIC PIPING.

B. INSTALL BEDDING AND BACKFILL IN ACCORDANCE WITH PIPE MANUFACTURERS INSTRUCTIONS.

C. BEGIN INSTALLATION AT DOWNSTREAM PIPING CONNECTION TO OUTFALL POINT.

D. CONSTRUCT ALL HEADWALLS FLUSH WITH EXISTING AND PROPOSED EMBANKMENT SLOPES.

11.) CLEANING

A. CLEAN INTERIOR OF PIPING OF DIRT AND SUPERFLUOUS MATERIALS.

* IF CONFLICTS EXIST BETWEEN THESE NOTES AND NOTES ON PLAN SHEETS, DEFER TO NOTES ON PLAN SHEETS.

* THESE NOTES AND SPECIFICATIONS ONLY APPLY IN THE EVENT THERE ARE NO JURISDICTIONAL SPECIFICATIONS.

* ALL WATER AND SEWER INFRASTRUCTURE SHALL MEET THE REQUIREMENTS SET FORTH IN THE CITY OF AUBURN WATER RESOURCE MANAGEMENT DESIGN AND CONSTRUCTION MANUAL.

ENGINEER:

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DEVELOPER:

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PO BOX 628
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(334) 559-1974

CONTACT: PAVAN REDDY & MIKE ELLIS

PROJECT:

SAMFORD TRACE BUILDING 3 & 4

1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

No. 32010
WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER: SWT
DRAWING BY: JMR
JURISDICTION: AUBURN, AL
DATE: 2/15/2023
SCALE: AS SHOWN
TITLE:

GENERAL CIVIL SPECS

SHEET NUMBER:

G-0.1

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

EARTH MOVING

1.) PROJECT CONDITIONS
A. UTILITY LOCATOR SERVICE: NOTIFY UTILITY LOCATOR SERVICE FOR AREA WHERE PROJECT IS LOCATED BEFORE BEGINNING EARTH MOVING OPERATIONS.
B. DO NOT COMMENCE EARTH MOVING OPERATIONS UNTIL TEMPORARY EROSION- AND SEDIMENTATION-CONTROL MEASURES, ARE IN PLACE.
C. DO NOT COMMENCE EARTH MOVING OPERATIONS UNTIL PLANT-PROTECTION MEASURES ARE IN PLACE.
D. DO NOT COMMENCE EARTH MOVING OPERATIONS WITHOUT REVIEWING AND MAKING PROVISIONS FOR ALL GEOTECHNICAL RECOMMENDATIONS MADE IN THE PROJECT GEOTECHNICAL REPORT. COMPLY WITH RECOMMENDATIONS IN THE GEOTECHNICAL REPORT REGARDING GENERAL SITE PREPARATION, BUILDING PAD PREPARATION, PAVEMENT SECTIONS, FILL, AND EXCAVATION.
E. RETAIN A COPY OF THE PROJECT GEOTECHNICAL REPORT AT THE WORK SITE AT ALL TIMES. ANY DISCREPANCIES BETWEEN THESE SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT SHALL BE RESOLVED IN FAVOR OF THE PROJECT GEOTECHNICAL REPORT.
F. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EARTH MOVING OPERATIONS.
G. PROTECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROLS DURING EARTH MOVING OPERATIONS.

2.) DEWATERING
A. PREVENT SURFACE WATER AND GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES, AND FROM FLOODING PROJECT SITE AND SURROUNDING AREA.
B. PROTECT SUBGRADES FROM SOFTENING, UNDERMINING, WASHOUT, AND DAMAGE BY RAIN OR WATER ACCUMULATION.
C. DESIGN AND PROVIDE DEWATERING SYSTEM USING ACCEPTED AND PROFESSIONAL METHODS CONSISTENT WITH CURRENT INDUSTRY PRACTICE. PROVIDE DEWATERING SYSTEM OF SUFFICIENT SIZE AND CAPACITY TO CONTROL GROUNDWATER IN A MANNER THAT PRESERVES STRENGTH OF FOUNDATION SOILS, DOES NOT CAUSE INSTABILITY OR RAVELING OF EXCAVATION SLOPES, AND DOES NOT RESULT IN DAMAGE TO EXISTING STRUCTURES. LOWER WATER LEVEL IN ADVANCE OF EXCAVATION BY UTILIZING WELLS, WELLPOINTS, OR SIMILAR POSITIVE CONTROL METHODS. MAINTAIN THE GROUNDWATER LEVEL TO A MINIMUM OF TWO (2) FEET BELOW EXCAVATIONS. PROVIDE PIEZOMETERS AS DIRECTED BY THE ENGINEER TO DOCUMENT THAT THE GROUNDWATER LEVEL IS BEING MAINTAINED.
D. BY ACCEPTABLE MEANS, CONTRACTOR SHALL CONTROL ALL WATER REGARDLESS OF SOURCE AND IS RESPONSIBLE FOR PROPER DISPOSAL OF THE WATER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY SUPPLEMENTAL MEASURES TO CONTROL SEEPAGE, GROUNDWATER, OR ARTESIAN HEAD.
E. OPEN PUMPING WITH SUMPS AND DITCHES SHALL BE ALLOWED, PROVIDED IT DOES NOT RESULT IN BOILS, LOSS OF FINES, SOFTENING OF THE GROUND, OR INSTABILITY OF SLOPES. SUMPS SHALL BE LOCATED OUTSIDE OF LOAD BEARING AREAS SO THE BEARING SURFACES WILL NOT BE DISTURBED. WATER CONTAINING SILT IN SUSPENSION SHALL NOT BE PUMPED INTO SEWER LINES OR ADJACENT WATER BODIES. DURING NORMAL PUMPING AND UPON DEVELOPMENT OF WELL(S), LEVELS OF FINE SAND OR SILT IN THE DISCHARGE OF WATER SHALL NOT EXCEED FIVE (5) PPM.
F. CONTINUOUSLY MAINTAIN EXCAVATIONS IN A DRY CONDITION WITH POSITIVE DEWATERING METHODS DURING PREPARATION OF SUBGRADE, INSTALLATION OF PIPE, AND CONSTRUCTION OF STRUCTURES UNTIL THE CRITICAL PERIOD OF CONSTRUCTION AND/OR BACKFILL IS COMPLETED TO PREVENT DAMAGE OF SUBGRADE SUPPORT, PIPING, STRUCTURE, SIDE SLOPES, OR ADJACENT FACILITIES FOR FLOTATION OR OTHER HYDROSTATIC PRESSURE IMBALANCE.
G. WHEN CONSTRUCTION IS COMPLETE, PROPERLY REMOVE ALL DEWATERING EQUIPMENT FROM THE SITE, INCLUDING WELLS AND RELATED TEMPORARY ELECTRICAL SERVICE.

3.) SUBGRADE
A. NOTIFY PROJECT GEOTECHNICAL ENGINEER WHEN EXCAVATIONS HAVE REACHED REQUIRED SUBGRADE.
B. IF PROJECT GEOTECHNICAL ENGINEER DETERMINES THAT UNSATISFACTORY SOIL IS PRESENT, CONTINUE EXCAVATION AND REPLACE WITH COMPACTED BACKFILL OR FILL MATERIAL AS DIRECTED.
C. PROOF-ROLL SUBGRADE BELOW THE BUILDING SLABS AND PAVEMENTS WITH A PNEUMATIC-TIRED AND LOADED 10-WHEEL, TANDEM-AXLE DUMP TRUCK WEIGHING NOT LESS THAN 15 TONS TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING. DO NOT PROOF-ROLL WET OR SATURATED SUBGRADES. EXCAVATE SOFT SPOTS, UNSATISFACTORY SOILS, AND AREAS OF EXCESSIVE PUMPING OR RUTTING, AS DETERMINED BY PROJECT GEOTECHNICAL ENGINEER, AND REPLACE WITH COMPACTED BACKFILL OR FILL AS DIRECTED.
D. IN HEAVY DUTY PAVEMENT AREAS, THE GRAVEL AGGREGATE BASE SHALL BE EXTENDED UNDER THE CURB AND GUTTER SECTION TO PROVIDE ADDITIONAL STABILITY FOR TRUCK TRAVEL.

4.) UTILITY TRENCH BEDDING AND BACKFILL
A. PLACE AND COMPACT BEDDING COURSE ON TRENCH BOTTOMS AND WHERE INDICATED. SHAPE BEDDING COURSE TO PROVIDE CONTINUOUS SUPPORT FOR BELLS, JOINTS, AND BARRELS OF PIPES AND FOR JOINTS, FITTINGS, AND BODIES OF CONDUITS.
B. USE CLASS B BEDDING UNDER ALL PVC PIPING.
C. CAREFULLY COMPACT INITIAL BACKFILL UNDER PIPE HAUNCHES AND COMPACT EVENLY UP ON BOTH SIDES AND ALONG THE FULL LENGTH OF PIPING OR CONDUIT TO AVOID DAMAGE OR DISPLACEMENT OF PIPING OR CONDUIT.
D. BACKFILL ALL UTILITIES UNDER ROADWAYS AND TRAFFIC AREAS WITH CRUSHED STONE.

5.) COMPACTION OF SOIL BACKFILLS AND FILLS
A. PLACE BACKFILL AND FILL SOIL MATERIALS IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
B. PLACE BACKFILL AND FILL SOIL MATERIALS EVENLY ON ALL SIDES OF STRUCTURES TO REQUIRED ELEVATIONS, AND UNIFORMLY ALONG THE FULL LENGTH OF EACH STRUCTURE. COMPACT SOIL MATERIALS AS INDICATED ON DRAWINGS OR AS INDICATED IN THE PROJECT GEOTECHNICAL REPORT.
C. PROVIDE CONSTRUCTION PHASE MONITORING AND TESTING AS RECOMMENDED IN THE PROJECT GEOTECHNICAL REPORT. PROVIDE TEST REPORTS TO THE ENGINEER FOR REVIEW AND APPROVAL.

6.) GRADING
A. GENERAL: UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE, FREE OF IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTIONS, LINES, AND ELEVATIONS INDICATED.
   1. PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES.
   2. CUT OUT SOFT SPOTS, FILL LOW SPOTS, AND TRIM HIGH SPOTS TO COMPLY WITH REQUIRED SURFACE TOLERANCES.
B. LANDSCAPE ISLANDS: FILL ALL CURBED ISLANDS TO TOP OF CURB WITH TOPSOIL AND APPLY SEED AND MULCH UNLESS DRAWINGS INDICATE OTHERWISE.
C. SLOPES: DO NOT CREATE CUT OR FILL SLOPES STEEPER THAN 2H:1V WITHOUT OBTAINING SPECIAL WRITTEN PERMISSION FROM THE ENGINEER OF RECORD AND PROJECT GEOTECHNICAL ENGINEER.

7.) PROTECTION
A. PROTECTING GRADED AREAS: PROTECT NEWLY GRADED AREAS FROM TRAFFIC, FREEZING, AND EROSION. KEEP FREE OF TRASH AND DEBRIS. SEE EROSION AND SEDIMENT CONTROL PLAN AND NOTES FOR FURTHER INFORMATION.

ASPHALT PAVING

1.) FIELD CONDITIONS
A. ENVIRONMENTAL LIMITATIONS: DO NOT APPLY ASPHALT MATERIALS IF SUBGRADE IS WET OR EXCESSIVELY DAMP, IF RAIN IS IMMINENT OR EXPECTED BEFORE TIME REQUIRED FOR ADEQUATE CURE, OR IF THE FOLLOWING CONDITIONS ARE NOT MET:
   1. PRIME COAT: MINIMUM SURFACE TEMPERATURE OF 60 DEG F .
   2. TACK COAT: MINIMUM SURFACE TEMPERATURE OF 60 DEG F .
   3. SLURRY COAT: COMPLY WITH WEATHER LIMITATIONS IN ASTM D 3910.
   4. ASPHALT BASE COURSE: MINIMUM SURFACE TEMPERATURE OF 40 DEG F AND RISING AT TIME OF PLACEMENT.
   5. ASPHALT SURFACE COURSE: MINIMUM SURFACE TEMPERATURE OF 60 DEG F AT TIME OF PLACEMENT.

2.) ASPHALT MATERIALS
A. REFER TO PROJECT GEOTECHNICAL REPORT AND PROJECT DRAWINGS FOR REQUIRED ASPHALT MATERIAL DESIGN.
B. AGGREGATES SHALL MEET THE REQUIREMENTS OF THE LOCAL DEPARTMENT OF TRANSPORTATION.
C. RECLAIMED ASPHALT PAVEMENT (RAP) SHALL NOT BE USED IN THE MIX DESIGN.

3.) PATCHING
A. ASPHALT PAVEMENT: SAW CUT PERIMETER OF PATCH AND EXCAVATE EXISTING PAVEMENT SECTION TO SOUND BASE. EXCAVATE RECTANGULAR OR TRAPEZOIDAL PATCHES, EXTENDING 12 INCHES INTO PERIMETER OF ADJACENT SOUND PAVEMENT, UNLESS OTHERWISE INDICATED. CUT EXCAVATION FACES VERTICALLY. REMOVE EXCAVATED MATERIAL. RECOMPACT EXISTING UNBOUND-AGGREGATE BASE COURSE TO FORM NEW SUBGRADE.
B. TACK COAT: BEFORE PLACING PATCH MATERIAL, APPLY TACK COAT UNIFORMLY TO VERTICAL ASPHALT SURFACES ABUTTING THE PATCH. APPLY AT A RATE OF 0.05 TO 0.15 GAL./SQ. YD. .
   1. ALLOW TACK COAT TO CURE UNDISTURBED BEFORE APPLYING HOT-MIX ASPHALT PAVING.
   2. AVOID SMEARING OR STAINING ADJOINING SURFACES, APPURTENANCES, AND SURROUNDINGS. REMOVE SPILLAGES AND CLEAN AFFECTED SURFACES.
C. PLACING PATCH MATERIAL: FILL EXCAVATED PAVEMENT AREAS WITH HOT-MIX ASPHALT BASE MIX FOR FULL THICKNESS OF PATCH AND, WHILE STILL HOT, COMPACT FLUSH WITH ADJACENT SURFACE.

4.) SURFACE PREPARATION
A. GENERAL: IMMEDIATELY BEFORE PLACING ASPHALT MATERIALS, REMOVE LOOSE AND DELETERIOUS MATERIAL FROM SUBSTRATE SURFACES. ENSURE THAT PREPARED SUBGRADE IS READY TO RECEIVE PAVING. SAWCUT EXISTING PAVEMENT TO THE JOINED TO PROVIDE VERTICAL FACES BETWEEN NEW AND EXISTING SURFACES.
B. EMULSIFIED ASPHALT PRIME COAT: APPLY UNIFORMLY OVER SURFACE OF COMPACTED UNBOUND-AGGREGATE BASE COURSE AT A RATE OF 0.10 TO 0.30 GAL./SQ. YD. PER INCH DEPTH . APPLY ENOUGH MATERIAL TO PENETRATE AND SEAL, BUT NOT FLOOD, SURFACE. ALLOW PRIME COAT TO CURE.
   1. IF PRIME COAT IS NOT ENTIRELY ABSORBED WITHIN 24 HOURS AFTER APPLICATION, SPREAD SAND OVER SURFACE TO BLOT EXCESS ASPHALT. USE ENOUGH SAND TO PREVENT PICKUP UNDER TRAFFIC. REMOVE LOOSE SAND BY SWEEPING BEFORE PAVEMENT IS PLACED AND AFTER VOLATILES HAVE EVAPORATED.
   2. PROTECT PRIMED SUBSTRATE FROM DAMAGE UNTIL READY TO RECEIVE PAVING.
C. TACK COAT: APPLY UNIFORMLY TO SURFACES OF EXISTING PAVEMENT AT A RATE OF 0.02 TO 0.08 GAL./SQ. YD. .
   1. ALLOW TACK COAT TO CURE UNDISTURBED BEFORE APPLYING HOT-MIX ASPHALT PAVING.
   2. AVOID SMEARING OR STAINING ADJOINING SURFACES, APPURTENANCES, AND SURROUNDINGS. REMOVE SPILLAGES AND CLEAN AFFECTED SURFACES.

5.) PLACING HOT-MIX ASPHALT
A. MACHINE PLACE HOT-MIX ASPHALT ON PREPARED SURFACE, SPREAD UNIFORMLY, AND STRIKE OFF. PLACE ASPHALT MIX BY HAND IN AREAS INACCESSIBLE TO EQUIPMENT IN A MANNER THAT PREVENTS SEGREGATION OF MIX. PLACE EACH COURSE TO REQUIRED GRADE, CROSS SECTION, AND THICKNESS WHEN COMPACTED.
   1. PLACE HOT-MIX ASPHALT BASE COURSE IN NUMBER OF LIFTS AND THICKNESSES INDICATED.
   2. PLACE HOT-MIX ASPHALT SURFACE COURSE IN SINGLE LIFT.
   3. SPREAD MIX AT A MINIMUM TEMPERATURE OF 250 DEG F .
   4. BEGIN APPLYING MIX ALONG CENTERLINE OF CROWN FOR CROWNED SECTIONS AND ON HIGH SIDE OF ONE-WAY SLOPES UNLESS OTHERWISE INDICATED.
   5. REGULATE PAVER MACHINE SPEED TO OBTAIN SMOOTH, CONTINUOUS SURFACE FREE OF PULLS AND TEARS IN ASPHALT-PAVING MAT.
B. PLACE PAVING IN CONSECUTIVE STRIPS NOT LESS THAN 10 FEET WIDE UNLESS INFILL EDGE STRIPS OF A LESSER WIDTH ARE REQUIRED.

6.) JOINTS
A. CONSTRUCT JOINTS TO ENSURE A CONTINUOUS BOND BETWEEN ADJOINING PAVING SECTIONS. CONSTRUCT JOINTS FREE OF DEPRESSIONS, WITH SAME TEXTURE AND SMOOTHNESS AS OTHER SECTIONS OF HOT-MIX ASPHALT COURSE.
B. CONSTRUCT SMOOTH TRANSITIONS BETWEEN NEW AND EXISTING PAVING SECTIONS.

7.) COMPACTION
A. GENERAL: BEGIN COMPACTION AS SOON AS PLACED HOT-MIX PAVING WILL BEAR ROLLER WEIGHT WITHOUT EXCESSIVE DISPLACEMENT. COMPACT HOT-MIX PAVING WITH HOT, HAND TAMPERS OR WITH VIBRATORY-PLATE COMPACTORS IN AREAS INACCESSIBLE TO ROLLERS. COMPLETE COMPACTION BEFORE MIX TEMPERATURE COOLS TO 185 DEG F.
   1. INITIAL LIFT: AVERAGE OF 92% OF MAXIMUM THEORETICAL DENSITY.
   2. TOP SURFACE LIFT: AVERAGE OF 93% OF MAXIMUM THEORETICAL DENSITY.
   3. TOLERANCE: +2.0%, -1.0% OF ANY INDIVIDUAL TEST.
B. FINISH ROLLING: FINISH ROLL PAVED SURFACES TO REMOVE ROLLER MARKS WHILE HOT-MIX ASPHALT IS STILL WARM.
C. ERECT BARRICADES TO PROTECT PAVING FROM TRAFFIC FOR AT LEAST 24 HOURS AFTER PLACEMENT FOR THE BINDER COURSE, AND AT LEAST 72 HOURS AFTER PLACEMENT FOR THE FINAL WEARING SURFACE.
D. IF THE AMBIENT AIR TEMPERATURE IS IN EXCESS OF 90 DEGREES FAHRENHEIT DURING THE 72 HOUR PROTECTION PERIOD, THE PAVEMENT SURFACE SHALL BE FLOODED WITH WATER TO RAPIDLY COOL THE PAVEMENT AT LEAST ONCE PER DAY.

8.) FIELD QUALITY CONTROL
A. TESTING AGENCY: ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM TESTS AND INSPECTIONS.
B. CONDUCT TESTS AND REPORTS SPECIFIED IN THE PROJECT GEOTECHNICAL REPORT.
C. TESTING AGENCY MUST INSPECT AND APPROVE THE SUBGRADE, EACH FILL LAYER, AND THE SUBBASE AND BASE COURSE.
D. PROMPTLY SEND TEST REPORTS TO THE ENGINEER FOR REVIEW AND APPROVAL.
E. REMOVE AND REPLACE OR INSTALL ADDITIONAL HOT-MIX ASPHALT WHERE TEST RESULTS OR MEASUREMENTS INDICATE THAT IT DOES NOT COMPLY WITH SPECIFIED REQUIREMENTS.

CONCRETE PAVING

1.) PROJECT CONDITIONS
A. TRAFFIC CONTROL: MAINTAIN ACCESS FOR VEHICULAR AND PEDESTRIAN TRAFFIC AS REQUIRED FOR OTHER CONSTRUCTION ACTIVITIES.

2.) STEEL REINFORCEMENT
A. PLAIN-STEEL WELDED WIRE REINFORCEMENT: ASTM A 185/A 185M, FABRICATED FROM AS-DRAWN STEEL WIRE INTO FLAT SHEETS.
B. REINFORCING BARS: ASTM A 615/A 615M, GRADE 60 ; DEFORMED.
C. JOINT DOWEL BARS: ASTM A 615/A 615M, GRADE 60 PLAIN-STEEL BARS. CUT BARS TRUE TO LENGTH WITH ENDS SQUARE AND FREE OF BURRS.
D. BAR SUPPORTS: BOLSTERS, CHAIRS, SPACERS, AND OTHER DEVICES FOR SPACING, SUPPORTING, AND FASTENING REINFORCING BARS, WELDED WIRE REINFORCEMENT, AND DOWELS IN PLACE. MANUFACTURE BAR SUPPORTS ACCORDING TO CRSI'S "MANUAL OF STANDARD PRACTICE" FROM STEEL WIRE, PLASTIC, OR PRECAST CONCRETE OF GREATER COMPRESSIVE STRENGTH THAN CONCRETE SPECIFIED, AND AS FOLLOWS:

3.) CONCRETE MATERIALS
A. CEMENTITIOUS MATERIAL: USE CEMENTITIOUS MATERIALS, OF SAME TYPE, BRAND, AND SOURCE THROUGHOUT PROJECT.
B. NORMAL-WEIGHT AGGREGATES: ASTM C 33,, UNIFORMLY GRADED. PROVIDE AGGREGATES FROM A SINGLE SOURCE.
   1. MAXIMUM COARSE-AGGREGATE SIZE: 1 INCH NOMINAL.
   2. FINE AGGREGATE: FREE OF MATERIALS WITH DELETERIOUS REACTIVITY TO ALKALI IN CEMENT.

4.) RELATED MATERIALS
A. JOINT FILLERS: ASTM D 1751, ASPHALT-SATURATED CELLULOSIC FIBER IN PREFORMED STRIPS.

5.) WHEEL STOPS
A. WHEEL STOPS: PRECAST, AIR-ENTRAINED CONCRETE, 2500-PSI MINIMUM COMPRESSIVE STRENGTH,. PROVIDE CHAMFERED CORNERS AND DRAINAGE SLOTS ON UNDERSIDE AND HOLES FOR ANCHORING TO SUBSTRATE.

6.) SIDEWALKS
A. SIDEWALKS: SLOPE SIDEWALKS AWAY FROM BUILDING WITH A 1.5% CROSS-SLOPE UNLESS DRAWINGS INDICATE OTHERWISE.

7.) PREPARATION
A. REMOVE LOOSE MATERIAL FROM COMPACTED SUBBASE SURFACE IMMEDIATELY BEFORE PLACING CONCRETE.

8.) STEEL REINFORCEMENT
A. GENERAL: COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE" FOR FABRICATING, PLACING, AND SUPPORTING REINFORCEMENT.
B. CLEAN REINFORCEMENT OF LOOSE RUST AND MILL SCALE, EARTH, ICE, OR OTHER BOND-REDUCING MATERIALS.
C. ARRANGE, SPACE, AND SECURELY TIE BARS AND BAR SUPPORTS TO HOLD REINFORCEMENT IN POSITION DURING CONCRETE PLACEMENT. MAINTAIN MINIMUM COVER TO REINFORCEMENT.
D. INSTALL WELDED WIRE REINFORCEMENT IN LENGTHS AS LONG AS PRACTICABLE. LAP ADJOINING PIECES AT LEAST ONE FULL MESH, AND LACE SPLICES WITH WIRE. OFFSET LAPS OF ADJOINING WIDTHS TO PREVENT CONTINUOUS LAPS IN EITHER DIRECTION.
E. ZINC-COATED REINFORCEMENT: USE GALVANIZED-STEEL WIRE TIES TO FASTEN ZINC-COATED REINFORCEMENT. REPAIR CUT AND DAMAGED ZINC COATINGS WITH ZINC REPAIR MATERIAL.

9.) JOINTS
A. GENERAL: FORM CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS AND TOOL EDGES TRUE TO LINE, WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE. CONSTRUCT TRANSVERSE JOINTS AT RIGHT ANGLES TO CENTERLINE UNLESS OTHERWISE INDICATED.
   1. WHEN JOINING EXISTING PAVING, PLACE TRANSVERSE JOINTS TO ALIGN WITH PREVIOUSLY PLACED JOINTS UNLESS OTHERWISE INDICATED.
   2. ENSURE FORMS PROVIDE CORRECT HORIZONTAL AND VERTICAL ALIGNMENT BETWEEN NEW AND EXISTING PAVEMENTS, SIDEWALKS, CURB AND GUTTER, ETC.
B. CONSTRUCTION JOINTS: SET CONSTRUCTION JOINTS AT SIDE AND END TERMINATIONS OF PAVING AND AT LOCATIONS WHERE PAVING OPERATIONS ARE STOPPED FOR MORE THAN ONE-HALF HOUR UNLESS PAVING TERMINATES AT ISOLATION JOINTS.
   1. CONTINUE STEEL REINFORCEMENT ACROSS CONSTRUCTION JOINTS UNLESS OTHERWISE INDICATED. DO NOT CONTINUE REINFORCEMENT THROUGH SIDES OF PAVING STRIPS UNLESS OTHERWISE INDICATED.
   2. PROVIDE TIE BARS AT SIDES OF PAVING STRIPS WHERE INDICATED.
   3. KEYED JOINTS: PROVIDE PREFORMED KEYWAY-SECTION FORMS OR BULKHEAD FORMS WITH KEYS UNLESS OTHERWISE INDICATED. EMBED KEYS AT LEAST 1-1/2 INCHES INTO CONCRETE.
   4. DOWELED JOINTS: INSTALL DOWEL BARS AND SUPPORT ASSEMBLIES AT JOINTS WHERE INDICATED. LUBRICATE OR COAT WITH ASPHALT ONE-HALF OF DOWEL LENGTH TO PREVENT CONCRETE BONDING TO ONE SIDE OF JOINT.
C. ISOLATION JOINTS: FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING CONCRETE CURBS, CATCH BASINS, MANHOLES, INLETS, STRUCTURES, OTHER FIXED OBJECTS, AND WHERE INDICATED.
   1. LOCATE EXPANSION JOINTS AT INTERVALS OF 30 FEET UNLESS OTHERWISE INDICATED.
   2. EXTEND JOINT FILLERS FULL WIDTH AND DEPTH OF JOINT.
   3. TERMINATE JOINT FILLER NOT LESS THAN 1/2 INCH OR MORE THAN 1 INCH BELOW FINISHED SURFACE IF JOINT SEALANT IS INDICATED.
   4. PLACE TOP OF JOINT FILLER FLUSH WITH FINISHED CONCRETE SURFACE IF JOINT SEALANT IS NOT INDICATED.
   5. FURNISH JOINT FILLERS IN ONE-PIECE LENGTHS. WHERE MORE THAN ONE LENGTH IS REQUIRED, LACE OR CLIP JOINT-FILLER SECTIONS TOGETHER.
   6. DURING CONCRETE PLACEMENT, PROTECT TOP EDGE OF JOINT FILLER WITH METAL, PLASTIC, OR OTHER TEMPORARY PREFORMED CAP. REMOVE PROTECTIVE CAP AFTER CONCRETE HAS BEEN PLACED ON BOTH SIDES OF JOINT.
D. CONTRACTION JOINTS: FORM WEAKENED-PLANE CONTRACTION JOINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED. CONSTRUCT CONTRACTION JOINTS FOR A DEPTH EQUAL TO AT LEAST ONE-FOURTH OF THE CONCRETE THICKNESS, AS FOLLOWS:
   1. GROOVED JOINTS: FORM CONTRACTION JOINTS AFTER INITIAL FLOATING BY GROOVING AND FINISHING EACH EDGE OF JOINT WITH GROOVING TOOL TO A 1/4-INCH RADIUS. REPEAT GROOVING OF CONTRACTION JOINTS AFTER APPLYING SURFACE FINISHES. ELIMINATE GROOVING-TOOL MARKS ON CONCRETE SURFACES.
   2. SAWED JOINTS: FORM CONTRACTION JOINTS WITH POWER SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT 1/8-INCH- WIDE JOINTS INTO CONCRETE WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE SURFACE AND BEFORE DEVELOPING RANDOM CONTRACTION CRACKS.
   3. DOWELED CONTRACTION JOINTS: INSTALL DOWEL BARS AND SUPPORT ASSEMBLIES AT JOINTS WHERE INDICATED. LUBRICATE OR COAT WITH ASPHALT ONE-HALF OF DOWEL LENGTH TO PREVENT CONCRETE BONDING TO ONE SIDE OF JOINT.
E. EDGING: AFTER INITIAL FLOATING, TOOL EDGES OF PAVING, GUTTERS, CURBS, AND JOINTS IN CONCRETE WITH AN EDGING TOOL TO A 1/4-INCH RADIUS. REPEAT TOOLING OF EDGES AFTER APPLYING SURFACE FINISHES. ELIMINATE EDGING-TOOL MARKS ON CONCRETE SURFACES.

10.) FIELD QUALITY CONTROL
A. TESTING AGENCY: ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM TESTS AND INSPECTIONS.
B. PROMPTLY SEND TEST REPORTS TO THE ENGINEER FOR REVIEW AND APPROVAL.
C. TESTING SERVICES: TESTING OF COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED ACCORDING TO ASTM C 172 SHALL BE PERFORMED BY THE GENERAL CONTRACTOR'S TESTING AGENCY ACCORDING TO THE FOLLOWING REQUIREMENTS:
   1. TESTING FREQUENCY: OBTAIN AT LEAST ONE COMPOSITE SAMPLE FOR EACH 100 CU. YD. OR FRACTION THEREOF OF EACH CONCRETE MIXTURE PLACED EACH DAY. WHEN FREQUENCY OF TESTING WILL PROVIDE FEWER THAN FIVE COMPRESSIVE-STRENGTH TESTS FOR EACH CONCRETE MIXTURE, TESTING SHALL BE CONDUCTED FROM AT LEAST FIVE RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN FIVE ARE USED.
   2. SLUMP: ASTM C 143/C 143M; ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.
   3. AIR CONTENT: ASTM C 231, PRESSURE METHOD; ONE TEST FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.
   4. CONCRETE TEMPERATURE: ASTM C 1064/C 1064M; ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEG F AND BELOW AND WHEN IT IS 80 DEG F AND ABOVE, AND ONE TEST FOR EACH COMPOSITE SAMPLE.
   5. COMPRESSION TEST SPECIMENS: ASTM C 31/C 31M; CAST AND LABORATORY CURE ONE SET OF THREE STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE.
   6. COMPRESSIVE-STRENGTH TESTS: ASTM C 39/C 39M; TEST ONE SPECIMEN AT SEVEN DAYS AND TWO SPECIMENS AT 28 DAYS. A COMPRESSIVE-STRENGTH TEST SHALL BE THE AVERAGE COMPRESSIVE STRENGTH FROM TWO SPECIMENS OBTAINED FROM SAME COMPOSITE SAMPLE AND TESTED AT 28 DAYS.
D. STRENGTH OF EACH CONCRETE MIXTURE WILL BE SATISFACTORY IF AVERAGE OF ANY THREE CONSECUTIVE COMPRESSIVE-STRENGTH TESTS EQUALS OR EXCEEDS SPECIFIED COMPRESSIVE STRENGTH AND NO COMPRESSIVE-STRENGTH TEST VALUE FALLS BELOW SPECIFIED COMPRESSIVE STRENGTH BY MORE THAN 500 PSI.
E. TEST RESULTS SHALL BE REPORTED IN WRITING TO ENGINEER, CONCRETE MANUFACTURER, AND CONTRACTOR WITHIN 48 HOURS OF TESTING. REPORTS OF COMPRESSIVE-STRENGTH TESTS SHALL CONTAIN PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING AND INSPECTING AGENCY, LOCATION OF CONCRETE BATCH IN WORK, DESIGN COMPRESSIVE STRENGTH AT 28 DAYS, CONCRETE MIXTURE PROPORTIONS AND MATERIALS, COMPRESSIVE BREAKING STRENGTH, AND TYPE OF BREAK FOR BOTH 7- AND 28-DAY TESTS.
F. ADDITIONAL TESTS: TESTING AND INSPECTING AGENCY SHALL MAKE ADDITIONAL TESTS OF CONCRETE WHEN TEST RESULTS INDICATE THAT SLUMP, AIR ENTRAINMENT, COMPRESSIVE STRENGTHS, OR OTHER REQUIREMENTS HAVE NOT BEEN MET, AS DIRECTED BY ENGINEER.
G. CONCRETE PAVING WILL BE CONSIDERED DEFECTIVE IF IT DOES NOT PASS TESTS AND INSPECTIONS.
H. ADDITIONAL TESTING AND INSPECTING, AT CONTRACTOR'S EXPENSE, WILL BE PERFORMED TO DETERMINE COMPLIANCE OF REPLACED OR ADDITIONAL WORK WITH SPECIFIED REQUIREMENTS.
I. PREPARE TEST AND INSPECTION REPORTS.

11.) REPAIRS AND PROTECTION
A. REMOVE AND REPLACE CONCRETE PAVING THAT IS BROKEN, DAMAGED, OR DEFECTIVE OR THAT DOES NOT COMPLY WITH REQUIREMENTS IN THIS SECTION. REMOVE WORK IN COMPLETE SECTIONS FROM JOINT TO JOINT UNLESS OTHERWISE APPROVED BY ENGINEER.
B. DRILL TEST CORES, WHERE DIRECTED BY ENGINEER, WHEN NECESSARY TO DETERMINE MAGNITUDE OF CRACKS OR DEFECTIVE AREAS. FILL DRILLED CORE HOLES IN SATISFACTORY PAVING AREAS WITH PORTLAND CEMENT CONCRETE BONDED TO PAVING WITH EPOXY ADHESIVE.
C. PROTECT CONCRETE PAVING FROM DAMAGE. EXCLUDE TRAFFIC FROM PAVING FOR AT LEAST 14 DAYS AFTER PLACEMENT. WHEN CONSTRUCTION TRAFFIC IS PERMITTED, MAINTAIN PAVING AS CLEAN AS POSSIBLE BY REMOVING SURFACE STAINS AND SPILLAGE OF MATERIALS AS THEY OCCUR.
D. MAINTAIN CONCRETE PAVING FREE OF STAINS, DISCOLORATION, DIRT, AND OTHER FOREIGN MATERIAL. SWEEP PAVING NOT MORE THAN TWO DAYS BEFORE DATE SCHEDULED FOR SUBSTANTIAL COMPLETION INSPECTIONS.

PAVEMENT MARKINGS

1.) QUALITY ASSURANCE
A. REGULATORY REQUIREMENTS: COMPLY WITH MATERIALS, WORKMANSHIP, AND OTHER APPLICABLE REQUIREMENTS OF STATE DOT OR LOCAL MUNICIPALITY FOR PAVEMENT-MARKING WORK.

2.) FIELD CONDITIONS
A. ENVIRONMENTAL LIMITATIONS: PROCEED WITH PAVEMENT MARKING ONLY ON CLEAN, DRY SURFACES AND AT A MINIMUM AMBIENT OR SURFACE TEMPERATURE OF 40 DEG F FOR ALKYD MATERIALS, 55 DEG F FOR WATER-BASED MATERIALS, AND NOT EXCEEDING 95 DEG F.

3.) PAVEMENT-MARKING PAINT
A. PAVEMENT-MARKING PAINT: ALKYD-RESIN TYPE, LEAD AND CHROMATE FREE, READY MIXED, COMPLYING WITH AASHTO M 248; COLORS COMPLYING WITH FS TT-P-1952. COLOR: AS INDICATED.
B. ALL PAVEMENT MARKING WITHIN D.O.T. RIGHT-OF-WAY SHALL BE THERMOPLASTIC AND IN ACCORDANCE WITH D.O.T. SPECIFICATIONS.

4.) PAVEMENT MARKING
A. APPLY TEMPORARY PAVEMENT MARKING BEFORE TRAFFIC IS ALLOWED ON ANY NEWLY PAVED AREA OR AS SITE CONDITIONS DICTATE. ALLOW FINAL WEARING SURFACE TO AGE FOR A MINIMUM OF 30 DAYS BEFORE APPLYING FINAL PERMANENT PAVEMENT MARKING.

5.) PROTECTING AND CLEANING
A. PROTECT PAVEMENT MARKINGS FROM DAMAGE AND WEAR DURING REMAINDER OF CONSTRUCTION PERIOD.
B. CLEAN SPILLAGE AND SOILING FROM ADJACENT CONSTRUCTION USING CLEANING AGENTS AND PROCEDURES RECOMMENDED BY MANUFACTURER OF AFFECTED CONSTRUCTION.

CHAIN LINK FENCES AND GATES

1.) PROJECT CONDITIONS
A. FIELD MEASUREMENTS: VERIFY LAYOUT INFORMATION FOR CHAIN-LINK FENCES AND GATES SHOWN ON DRAWINGS IN RELATION TO PROPERTY SURVEY AND EXISTING STRUCTURES. VERIFY DIMENSIONS BY FIELD MEASUREMENTS.

2.) WARRANTY
A. SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH INSTALLER AGREES TO REPAIR OR REPLACE COMPONENTS OF CHAIN-LINK FENCES AND GATES THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD.

3.) CHAIN-LINK FENCE FABRIC
A. GENERAL: PROVIDE FABRIC IN ONE-PIECE HEIGHTS MEASURED BETWEEN TOP AND BOTTOM OF OUTER EDGE OF SELVAGE KNUCKLE OR TWIST. COMPLY WITH CLFMI PRODUCT MANUAL AND WITH REQUIREMENTS INDICATED BELOW:
   1. FABRIC HEIGHT: AS INDICATED ON DRAWINGS.
   2. STEEL WIRE FABRIC: WIRE WITH A DIAMETER OF 0.148 INCH.
      a. MESH SIZE: 2 INCHES.
      b. POLYMER-COATED FABRIC: ASTM F 668, OVER ZINC-COATED STEEL WIRE. COLOR: BLACK, COMPLYING WITH ASTM F 934.
   3. SELVAGE: TWISTED TOP AND KNUCKLED BOTTOM.

4.) FENCE FRAMING
A. POSTS AND RAILS: COMPLY WITH ASTM F 1043 FOR FRAMING, INCLUDING RAILS, BRACES, AND LINE; TERMINAL; AND CORNER POSTS. PROVIDE MEMBERS WITH MINIMUM DIMENSIONS AND WALL THICKNESS ACCORDING TO ASTM F 1043 BASED ON THE FOLLOWING:
   1. FENCE HEIGHT: AS INDICATED ON DRAWINGS.
   2. MATERIAL
      a. LINE POST: 1.9 INCHES IN DIAMETER.
      b. END, CORNER AND PULL POST: 2.375 INCHES.
   3. HORIZONTAL FRAMEWORK MEMBERS: TOP RAILS COMPLYING WITH ASTM F 1043. TOP RAIL: 1.66 INCHES IN DIAMETER.
   4. BRACE RAILS: COMPLY WITH ASTM F 1043.
   5. METALLIC COATING FOR STEEL FRAMING:
      TYPE A, CONSISTING OF NOT LESS THAN MINIMUM 2.0-OZ./SQ. FT. AVERAGE ZINC COATING PER ASTM A 123/A 123M OR 4.0-OZ./SQ. FT. ZINC COATING PER ASTM A 653/A 653M.

5.) TENSION WIRE
A. METALLIC-COATED STEEL WIRE: 0.177-INCH- DIAMETER, MARCELLED TENSION WIRE COMPLYING WITH ASTM A 817 AND ASTM A 824, WITH THE FOLLOWING METALLIC COATING: TYPE II, ZINC COATED (GALVANIZED) BY HOT-DIP PROCESS, WITH THE FOLLOWING MINIMUM COATING WEIGHT: MATCHING CHAIN-LINK FABRIC COATING WEIGHT.

6.) SWING GATES
A. GENERAL: COMPLY WITH ASTM F 900 FOR GATE POSTS AND SINGLE OR DOUBLE SWING GATE TYPES.
   1. GATE LEAF WIDTH: AS INDICATED.
   2. GATE FABRIC HEIGHT: AS INDICATED.
B. PIPE AND TUBING:
   1. ZINC-COATED STEEL: COMPLY WITH ASTM F 1043 AND ASTM F 1083; PROTECTIVE COATING AND FINISH TO MATCH FENCE FRAMING.
   2. GATE POSTS: ROUND TUBULAR STEEL.
   3. GATE FRAMES AND BRACING: ROUND TUBULAR STEEL.
C. FRAME CORNER CONSTRUCTION: ASSEMBLED WITH CORNER FITTINGS.
D. HARDWARE:
   1. HINGES: 360-DEGREE INWARD AND OUTWARD SWING.
   2. LATCHES PERMITTING OPERATION FROM BOTH SIDES OF GATE WITH PROVISION FOR PADLOCKING ACCESSIBLE FROM BOTH SIDES OF GATE.

7.) FITTINGS
A. GENERAL: COMPLY WITH ASTM F 626.
B. POST CAPS: PROVIDE FOR EACH POST. PROVIDE LINE POST CAPS WITH LOOP TO RECEIVE TENSION WIRE OR TOP RAIL.
C. RAIL AND BRACE ENDS: FOR EACH GATE, CORNER, PULL, AND END POST.
D. RAIL FITTINGS: PROVIDE THE FOLLOWING:
   1. TOP RAIL SLEEVES: PRESSED-STEEL OR ROUND-STEEL TUBING NOT LESS THAN 6 INCHES LONG.
   2. RAIL CLAMPS: LINE AND CORNER BOULEVARD CLAMPS FOR CONNECTING RAILS IN THE FENCE LINE-TO-LINE POSTS.
E. TENSION AND BRACE BANDS: PRESSED STEEL.
F. TENSION BARS: STEEL, LENGTH NOT LESS THAN 2 INCHES SHORTER THAN FULL HEIGHT OF CHAIN-LINK FABRIC. PROVIDE ONE BAR FOR EACH GATE AND END POST, AND TWO FOR EACH CORNER AND PULL POST, UNLESS FABRIC IS INTEGRALLY WOVEN INTO POST.
G. TRUSS ROD ASSEMBLIES: STEEL, HOT-DIP GALVANIZED AFTER THREADING ROD AND TURNBUCKLE OR OTHER MEANS OF ADJUSTMENT.
H. TIE WIRES, CLIPS, AND FASTENERS: ACCORDING TO ASTM F 626. STANDARD ROUND WIRE TIES: FOR ATTACHING CHAIN-LINK FABRIC TO POSTS, RAILS, AND FRAMES, COMPLYING WITH THE FOLLOWING: HOT-DIP GALVANIZED STEEL: 0.148-INCH- DIAMETER WIRE; GALVANIZED COATING THICKNESS MATCHING COATING THICKNESS OF CHAIN-LINK FENCE FABRIC.

8.) GROUT AND ANCHORING CEMENT
A. NONSHRINK, NONMETALLIC GROUT: PREMIXED, FACTORY-PACKAGED, NONSTAINING, NONCORROSIVE, NONGASEOUS GROUT COMPLYING WITH ASTM C 1107. PROVIDE GROUT, RECOMMENDED IN WRITING BY MANUFACTURER, FOR EXTERIOR APPLICATIONS.
B. EROSION-RESISTANT ANCHORING CEMENT: FACTORY-PACKAGED, NONSHRINK, NONSTAINING, HYDRAULIC-CONTROLLED EXPANSION CEMENT FORMULATION FOR MIXING WITH POTABLE WATER AT PROJECT SITE TO CREATE POURABLE ANCHORING, PATCHING, AND GROUTING COMPOUND. PROVIDE FORMULATION THAT IS RESISTANT TO EROSION FROM WATER EXPOSURE WITHOUT NEEDING PROTECTION BY A SEALER OR WATERPROOF COATING AND THAT IS RECOMMENDED IN WRITING BY MANUFACTURER, FOR EXTERIOR APPLICATIONS.

9.) ADJUSTING
A. GATES: ADJUST GATES TO OPERATE SMOOTHLY, EASILY, AND QUIETLY, FREE OF BINDING, WARP, EXCESSIVE DEFLECTION, DISTORTION, NONALIGNMENT, MISPLACEMENT, DISRUPTION, OR MALFUNCTION, THROUGHOUT ENTIRE OPERATIONAL RANGE. CONFIRM THAT LATCHES AND LOCKS ENGAGE ACCURATELY AND SECURELY WITHOUT FORCING OR BINDING.

* IF CONFLICTS EXIST BETWEEN THESE NOTES AND NOTES ON PLAN SHEETS, DEFER TO NOTES ON PLAN SHEETS.

* THESE NOTES AND SPECIFICATIONS ONLY APPLY IN THE EVENT THERE ARE NO JURISDICTIONAL SPECIFICATIONS.

* ALL WATER AND SEWER INFRASTRUCTURE SHALL MEET THE REQUIREMENTS SET FORTH IN THE CITY OF AUBURN WATER RESOURCE MANAGEMENT DESIGN AND CONSTRUCTION MANUAL.

ENGINEER:

FORESITE group

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2128 Moores Mill Rd.
Suite C
Auburn, AL 36830

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DEVELOPER:

THE VILLAGE AT SAMFORD TRACE, LLC
PO BOX 628
AUBURN, AL 36830
(334) 559-1974

CONTACT: PAVAN REDDY & MIKE ELLIS

PROJECT:

SAMFORD TRACE BUILDING 3 & 4

1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

No. 32010
WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	AS SHOWN

TITLE:

GENERAL CIVIL SPECS

SHEET NUMBER:

G-0.2

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

BOUNDARY AND TOPOGRAPHIC SURVEY OF LOT 2-N,SAMFORD COMMERCIAL SUBDIVISION PLAT NO. 6

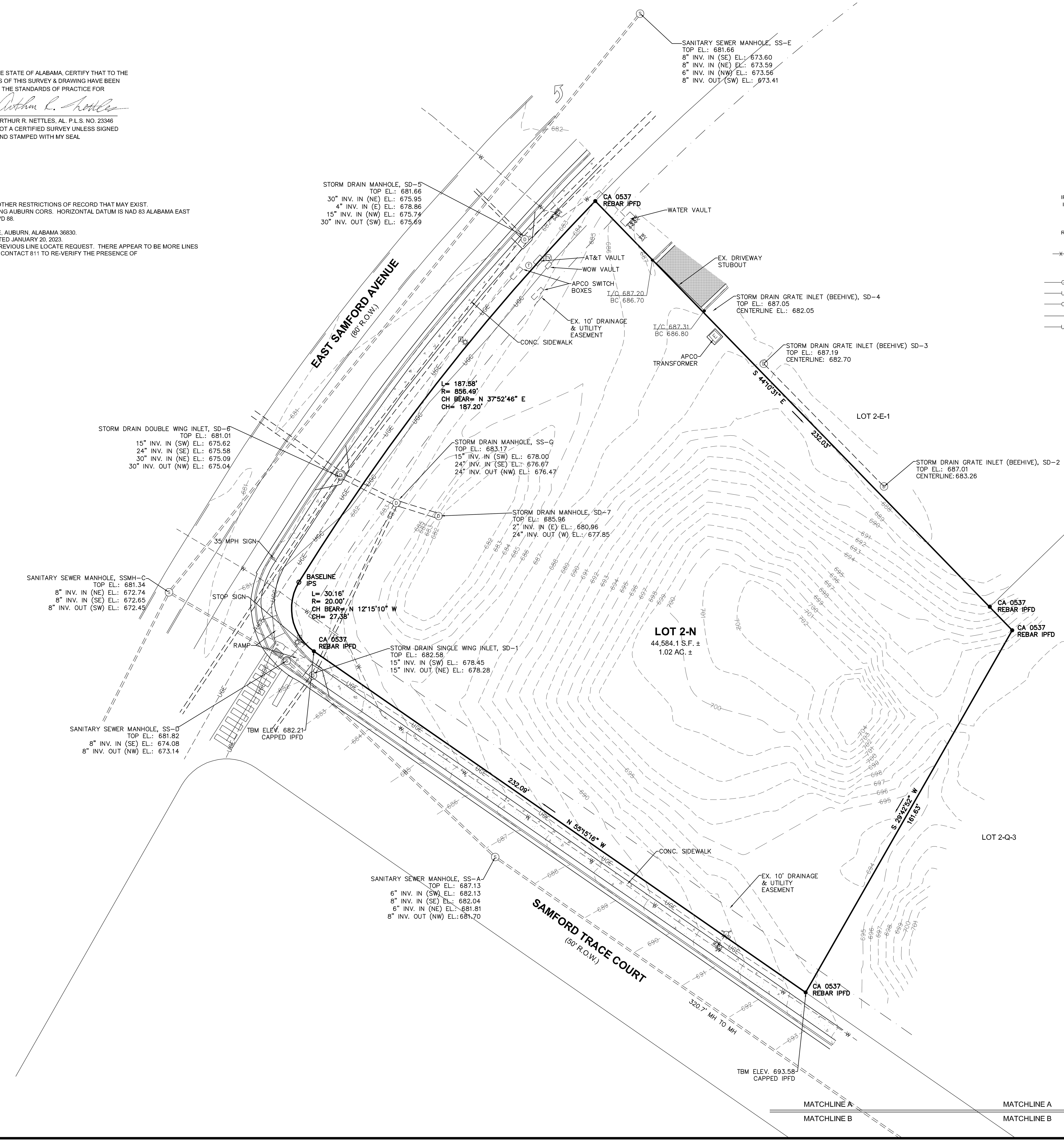
STATE OF ALABAMA
LEE COUNTY

I, ARTHUR R. NETTLES, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF ALABAMA, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF THAT ALL PARTS OF THIS SURVEY & DRAWING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF ALABAMA.

ARTHUR R. NETTLES, AL. P.L.S. NO. 23346
NOT A CERTIFIED SURVEY UNLESS SIGNED AND STAMPED WITH MY SEAL

NOTES:

1. THIS PARCEL IS SUBJECT TO ANY EASEMENTS, RIGHT-OF-WAY, OR OTHER RESTRICTIONS OF RECORD THAT MAY EXIST.
2. BEARINGS AND ELEVATIONS BASED ON GPS RTK OBSERVATION USING AUBURN CORS. HORIZONTAL DATUM IS NAD 83 ALABAMA EAST ZONE STATE PLANE COORDINATE SYSTEM. VERTICAL DATUM IS NAVD 88.
3. NORTH IS BASED ON GRID NORTH.
4. THE SUBJECT PROPERTY'S ADDRESS IS 1940 EAST SAMFORD DRIVE, AUBURN, ALABAMA 36830.
5. FIELDWORK COMPLETED JANUARY 13, 2023. OFFICEWORK COMPLETED JANUARY 20, 2023.
6. UNDERGROUND UTILITIES WERE LOCATED FROM CONTRACTOR'S PREVIOUS LINE LOCATE REQUEST. THERE APPEAR TO BE MORE LINES THAT ARE PRESENT BUT NOT LOCATED. BEFORE DIGGING, PLEASE CONTACT 811 TO RE-VERIFY THE PRESENCE OF UTILITIES.

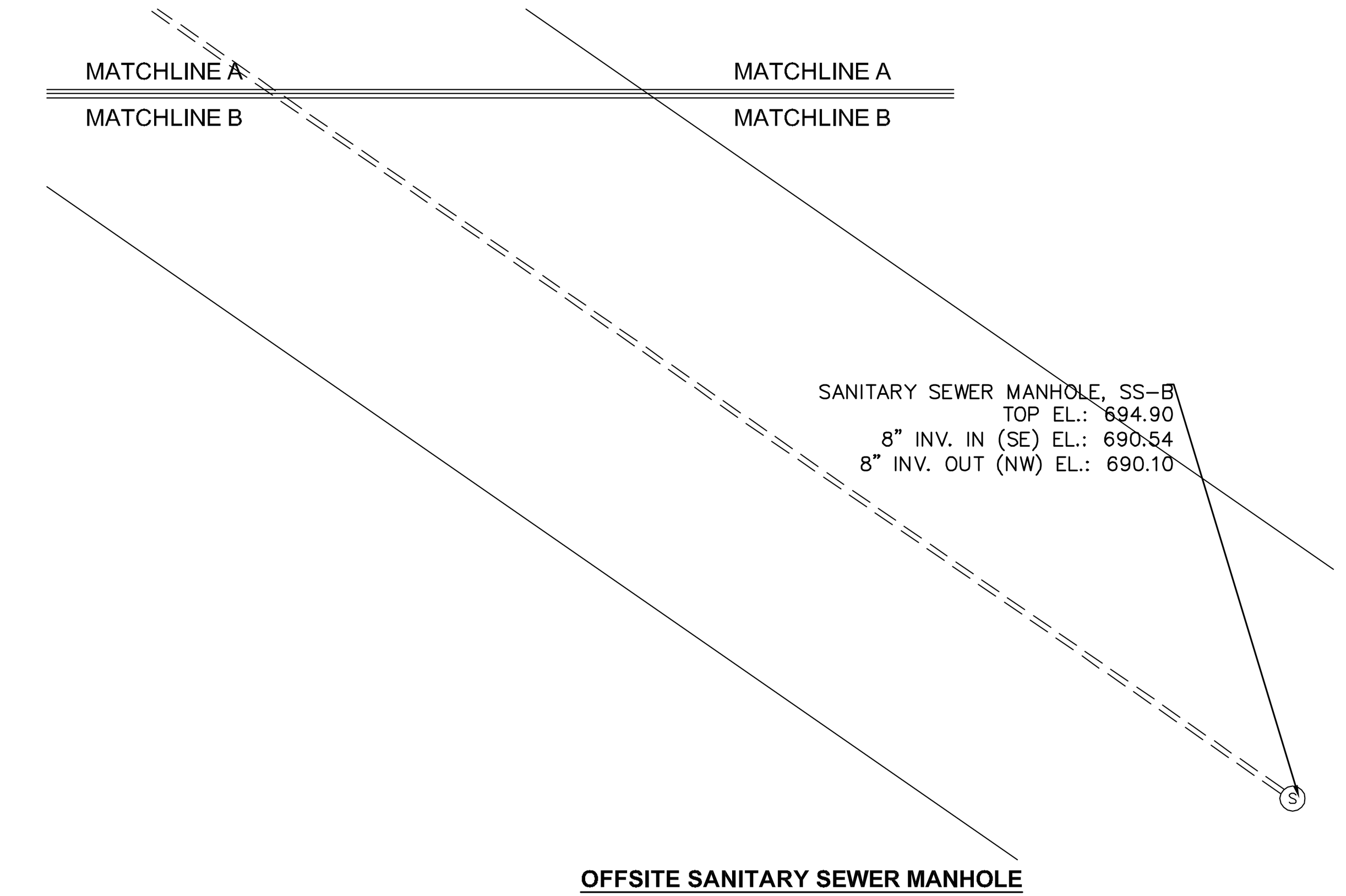


SCALE: 1"= 20'

20 10 0 20 40
SCALE IN FEET

LEGEND

CT	CRIMPED TOP	E	EXISTING ELECTRICAL TRANSFORMER/ SWITCHBOX
OT	OPEN TOP	SSCO	EXISTING SANITARY SEWER CLEANOUT
IPFD	IRON PIN FOUND	TV	EXISTING TELEVISION RISER
IPS	IRON PIN SET	T	EXISTING TELEPHONE RISER
	CALCULATED POINT	G	EXISTING GAS METER
	CONCRETE MONUMENT FOUND	GV	EXISTING GAS VALVE
	SPIKE NAIL SET	HYD	EXISTING FIRE HYDRANT
R.O.W.	RIGHT-OF-WAY	WV	EXISTING WATER VALVE
(F)	FIELD MEASUREMENT	W	EXISTING WATER METER
(P)	PLAT DIMENSION	IR	EXISTING IRRIGATION BOX
	CHAIN LINK FENCE		EXISTING LIGHTPOLE
S	EXISTING SANITARY SEWER MANHOLE		EXISTING POWER POLE AND GUY WIRE
D	EXISTING STORM DRAIN MANHOLE		EXISTING SIGN
GAS	EXISTING GAS LINE (SERVICE LINE)		
UGE	EXISTING UNDERGROUND ELECTRIC LINES		
OHE	EXISTING OVERHEAD ELECTRIC LINES		
W	EXISTING WATER LINE		
UGC	EXISTING COMMUNICATION LINES		



OFFSITE SANITARY SEWER MANHOLE
SCALE: 1"=20'

ALABAMA LICENSED No. 23346 PROFESSIONAL LAND SURVEYOR ARTHUR R. NETTLES

CREW CHIEF	DRAWN	JOB NO.
TTM	ARN	B12022.30

BASELINE SURVEYING & DESIGN, LLC
2004 Yarbrough Drive, Ste A
Opelika, Alabama 36801
Phone: (334) 748-9200
Web:www.baseline-llc.com

BOUNDARY AND TOPOGRAPHIC SURVEY OF LOT 2-N, SAMFORD COMMERCIAL SUBDIVISION, PLAT NO. 6
SEC. 28 T 19 N Rg 26 E
AUBURN LEE COUNTY ALABAMA
SCALE : 1"=20' JANUARY 20, 2023
ARTHUR R. NETTLES, AL. P.L.S. REG. NO. 23346
ALABAMA CERT. OF AUTH. CA. NO. 922

GENERAL NOTES:

1) ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY WORK INCLUDING DEMOLITION.

2) ALL CONSTRUCTION RELATED PERMITS DURING THE CONSTRUCTION PHASE OF THIS PROJECT ARE THE RESPONSIBILITY OF THE CONTRACTOR.

3) REMOVE SHRUBS AND TREES AS NOTED. GRUB OUT ROOTS AND STUMPS AND LEGALLY DISPOSE OF DEBRIS.

DEMOLITION NOTES:

1) ALL NEW WORK SHOWN IN THESE SHEETS SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL BUILDING AND UTILITY INSTALLATION CODES.

2) ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF AUBURN RIGHT-OF-WAY STANDARD SPECIFICATIONS.

3) THERE MAY BE ADDITIONAL UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AND TO NOTIFY THE OWNER IN CASE OF DISCREPANCIES THAT AFFECT THE CONSTRUCTION PROJECT.

4) THE CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION OF AND LIAISON WITH UTILITY COMPANIES IN THE PROCESS OF LOCATION AND RELOCATION OF AND TIE-IN TO PUBLIC UTILITIES.

5) CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR TO ANY ADJACENT STRUCTURES OR PROPERTY, OR ANY EXISTING STRUCTURES WITHIN LIMITS OF CONSTRUCTION THAT ARE DESIGNATED ON THE PLANS TO REMAIN, AND SHALL REPAIR OR REPLACE SUCH DAMAGED PROPERTY TO THE PROPERTY OWNER'S SATISFACTION AT NO COST TO THE OWNER.

6) THE CONTRACTOR SHALL NOT DEVIATE FROM THESE PLANS AND SPECIFICATIONS WITHOUT THE PRIOR WRITTEN CONSENT OF THE ENGINEER.

7) CONTRACTOR IS RESPONSIBLE FOR CONTACTING CITY OF AUBURN AND ALL EXISTING UTILITY PROVIDERS BEFORE REMOVING ANY/ALL UTILITIES FROM THEIR EXISTING LOCATION ON THE SITE. THE CONTRACTOR SHALL PERFORM ALL UTILITY DEMOLITION OR RELOCATION ACTIVITIES IN ACCORDANCE WITH THE EXISTING UTILITIES SPECIFICATIONS, MATERIALS, AND REQUIREMENTS.

8) THE CONTRACTOR SHALL SEQUENCE THE WORK AND PROVIDE TEMPORARY MEASURES AS NECESSARY TO MAINTAIN ACCESS TO THE SITE THROUGH ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION. TEMPORARY PROVISIONS MAY INCLUDE, BUT ARE NOT LIMITED TO: BARRICADES, FLASHING LIGHTS, FLAGMAN, TEMPORARY PAVEMENT, AND DIRECTIONAL SIGNAGE AS NECESSARY TO ACCOMPLISH THE WORK.

9) CONTRACTOR SHALL CONSIDER COORDINATION ASPECTS OF CRANES AND CONSTRUCTION EQUIPMENT OPERATIONS DURING DEMOLITION ACTIVITY.

10) CONTRACTOR EQUIPMENT SHALL NOT BE PARKED IN COUNTY, CITY OR STATE RIGHT-OF-WAY, AND MUST BE STORED WITHIN SITE.

11) COORDINATE WITH CITY OF AUBURN CODES ENFORCEMENT DIVISION AS REQUIRED DURING ALL DEMOLITION AND NEW CONSTRUCTION ACTIVITIES.

12) APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY CITY OF AUBURN OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND AREA DISTURBANCE.

13) ALL BUFFERS AND SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.

14) THE CONTRACTOR SHALL DISPOSE OF ANY HAZARDOUS MATERIALS IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS.

15) ALL ITEMS DESIGNATED FOR REMOVAL SHALL BE LEGALLY DISPOSED OF, OFF SITE.

16) CONTRACTOR TO CONTACT UTILITIES PROTECTION CENTER PRIOR TO ANY EXCAVATION.

17) CONTRACTOR TO POT HOLE EXISTING WATER LINE, UNDERGROUND ELECTRICAL LINES, GAS LINE, UNDERGROUND TELEPHONE, FIBER OPTIC, AND ANY OTHER UTILITY LINES WITHIN THE RIGHT OF WAY DURING DEMOLITION ACTIVITIES AND COORDINATE FIELD LOCATIONS AND DEPTHS OF THESE UTILITIES WITH ENGINEER FOR PROPOSED UTILITY CROSSINGS AND PROPOSED PAVEMENT OVER EXISTING LINES. THESE LINES MAY REQUIRE RELOCATION.

18) ALL SUBGRADE PREP, PAVEMENTS REMOVAL/NEW PAVEMENTS CONSTRUCTION, AND AREAS OF THE SITE TO RECEIVE FILL SHALL BE COMPLETED IN STRICT CONFORMANCE WITH THE RECOMMENDATIONS PROVIDED BY THE PROJECT GEOTECHNICAL ENGINEER, CARMICHAEL ENGINEERING, INC IN THE REPORT DATED 12/27/2021. THE CONTRACTOR SHALL HAVE THE REPORT ON THIS JOB SITE FOR REFERENCE AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE EARTHWORK OPERATIONS AND CONSTRUCTION PHASE MONITORING TO ENSURE THAT ALL COMPACTION IS COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. THE CONTRACTOR SHALL PROVIDE TESTING REPORTS TO THE OWNER REGARDING COMPACTION TESTING AT EACH LIFT PHASE OF FILL OPERATIONS OR DURING COMPACTION OF EXISTING SUBGRADE TO REMAIN PER TESTING PROTOCOL ON THE GEOTECHNICAL REPORT.

19) THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE CLEARING AND GRADING PERMIT FROM THE CITY OF AUBURN AFTER THE PRE-CONSTRUCTION CONFERENCE WITH THE CITY. THE CLEARING AND GRUBBING PERMIT WILL COVER ALL CLEARING AND GRUBBING WORK TO INSTALL THE EROSION CONTROL MEASURES OUTLINED ON SHEET C-4 INITIAL EROSION CONTROL PLAN. ONCE THE INITIAL BMPS HAVE BEEN INSTALLED, THE INSPECTOR WILL REVIEW AND APPROVE THESE BMPS AND THEN ISSUE A GRADING PERMIT THAT WILL ALLOW FULL GRADING ACTIVITIES ON THE SITE AS WELL AS RELEASE OF THE BUILDING PERMIT.

EROSION CONTROL NOTES
(SEE ALSO EROSION CONTROL PLAN)

1) EROSION CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO ANY CLEARING OR EARTHWORK OPERATIONS AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL PERMANENT GROUND COVER IS ESTABLISHED IN ALL DISTURBED AREAS.

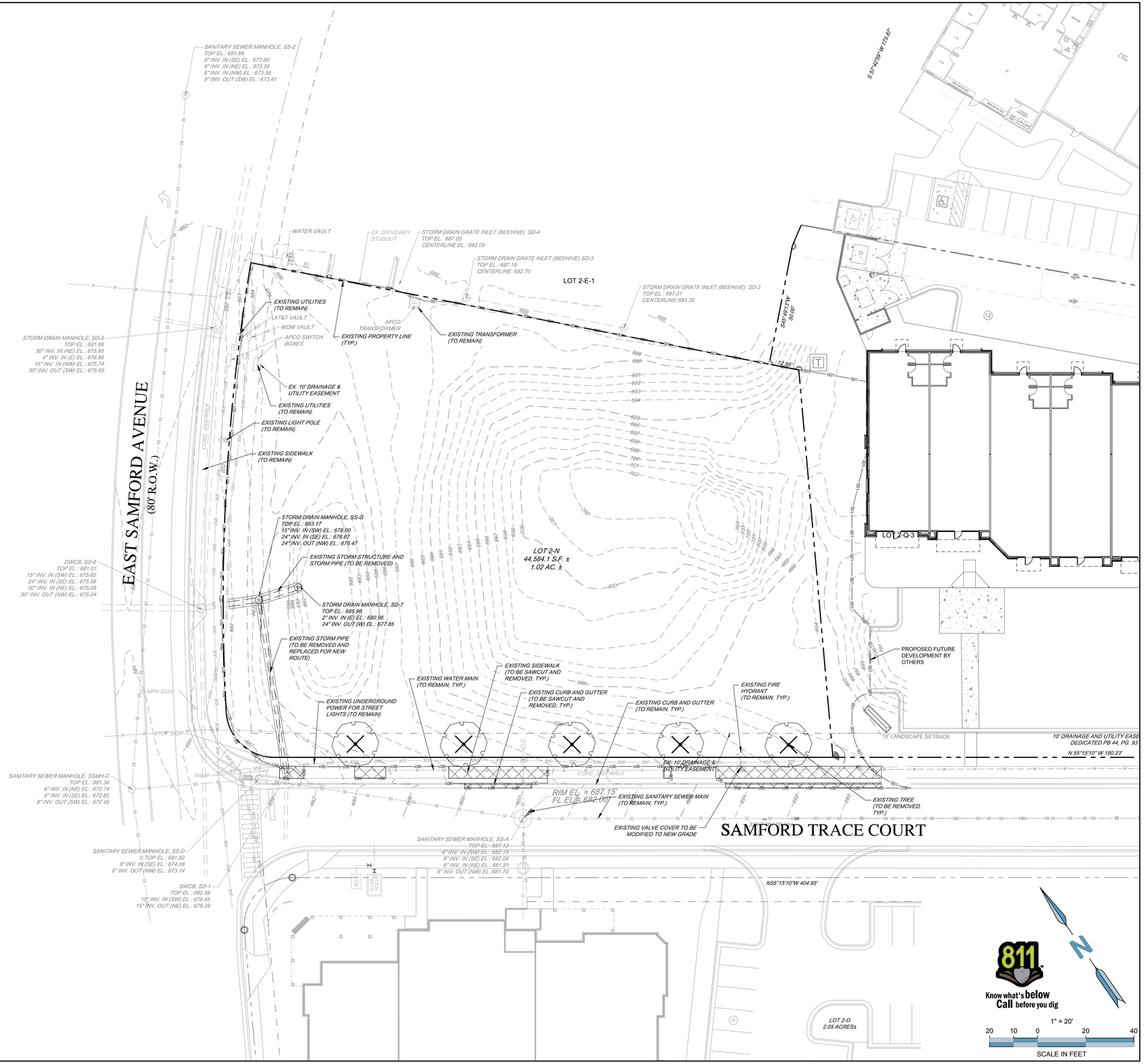
2) THE CONTRACTOR SHALL PROVIDE DUST CONTROL AND SHALL PROTECT ADJACENT PAVEMENTS FROM SOIL ACCUMULATION DURING CONSTRUCTION.

3) ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED BY THE ENGINEER OR OTHER INSPECTORS AS DETERMINED BY FIELD CONDITIONS.

4) STORM DRAINAGE STRUCTURES AND CONDUITS SHALL BE PROTECTED FROM SEDIMENTATION AS REQUIRED BY STATE OR LOCAL CODES.

LEGEND	
	UTILITES/CONCRETE TO BE REMOVED
	EXISTING FENCE
	PROPERTY LINE
LOD LOD LOD	LIMITS OF DISTURBANCE
	EXISTING TREE TO BE REMOVED
XXXX	EXISTING CONTOURS

EXISTING SITE DATA	
TOTAL SITE AREA =	1.02 AC.
EXISTING PERVIOUS AREA =	1.02 AC.
EXISTING IMPERVIOUS AREA =	0.00 AC.



ENGINEER:

FORESITE group

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w | www.foresitegroup.net

DEVELOPER:

THE VILLAGE AT SAMFORD TRACE, LLC
PO BOX 628
AUBURN, AL 36830
(334) 559-1974

CONTACT: PAVAN REDDY & MIKE ELLIS

PROJECT:

SAMFORD TRACE BUILDING 3 & 4

1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	1" = 20'
TITLE:	

DEMOLITION EXISTING CONDITIONS PLAN

SHEET NUMBER:

C-0

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

GENERAL NOTES:

1) ALL PROPOSED DIMENSIONS USED TO SHOW THE GEOMETRIC LAYOUT OF THE PROPOSED PARKING LOT ARE SHOWN AT THE FACE OF CURB. ALL PROPOSED DIMENSIONS USED TO SHOW THE GEOMETRIC LAYOUT OF THE PROPOSED BUILDING LOCATION ARE GIVEN AT THE OUTSIDE FACE OF THE BUILDING CORNERS. ALL CURB RADII ARE GIVEN AT THE FACE OF CURB.

2) CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS IN THE FIELD AND THE SURVEY SHOWN ON THE PLANS BEFORE PROCEEDING WITH ANY NEW CONSTRUCTION.

3) CONTRACTOR IS RESPONSIBLE FOR CORRECT HORIZONTAL AND VERTICAL ALIGNMENT OF ALL TIES BETWEEN PROPOSED AND EXISTING PAVEMENTS, CURB AND GUTTER, SIDEWALKS, WALLS, AND UTILITIES.

SITE NOTES:

1) TRACT IS ZONED: PLANNED DEVELOPMENT DISTRICT (PDD).

2) SEE ARCHITECTURAL PLANS FOR BUILDING FLOOR PLAN DIMENSIONS, DOOR LOCATIONS, SITE LIGHTING PLAN, AND OTHER ARCHITECTURAL DETAILS.

3) NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL SITE IMPROVEMENTS HAVE BEEN COMPLETED ON THE SITE.

4) HIGH INTENSITY LIGHTING FACILITIES SHALL BE SO ARRANGED THAT THE SOURCE OF ANY LIGHT IS CONCEALED FROM THE PUBLIC VIEW AND DOES NOT INTERFERE WITH TRAFFIC. (SEE PHOTOMETRICS PLAN IN ARCH. PLANS).

5) NO OUTSIDE STORAGE IS PROPOSED. THIS INCLUDES SUPPLIES, VEHICLE, EQUIPMENT, PRODUCTS, ETC.

6) SIGNS (LOCATION, NUMBER, AND SIZE) ARE NOT APPROVED UNDER THIS DEVELOPMENT PERMIT. A SEPARATE PERMIT IS REQUIRED FOR ON-SITE SIGNAGE.

7) ALL CONSTRUCTION RELATED PERMITS DURING THE CONSTRUCTION PHASE OF THIS PROJECT ARE THE RESPONSIBILITY OF THE OWNER, HOWEVER A CONTRACTOR/DEVELOPER CAN PERFORM PERMITTING WITH AGENT AUTHORIZATION.

8) ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY GRADING.

9) ALL PAVEMENT MARKING WITHIN CITY OF AUBURN RIGHT-OF-WAY SHALL BE THERMOPLASTIC AND ACCORDING TO CITY OF AUBURN SPECIFICATIONS.

10) MAXIMUM CUT OR FILL SLOPE = 3H:IV

11) 24 HOUR CONTACT: WES THRASH, (334) 887-6064

12) IN ALL AREAS OF FILL OR OTHERWISE DISTURBANCE OF EXISTING CONDITIONS, UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL FULLY AND COMPLETELY REMOVE AND LEGALLY DISPOSE OFF-SITE, ALL PLANT MATERIALS INCLUDING BUT NOT LIMITED TO ROOT SYSTEMS, CONCRETE, REINFORCED CONCRETE, ASPHALT DEBRIS, UNDERBRUSH, TOPSOIL, AND OTHER DELETERIOUS MATERIAL. THE SUBGRADE TO REMAIN SHALL BE COMPACTED TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY FOLLOWING FULL REMOVAL OF THESE MATERIALS.

13) ALL SUBGRADE PREP AND AREAS OF THE SITE TO RECEIVE FILL SHALL BE COMPLETED IN STRICT CONFORMANCE WITH THE RECOMMENDATIONS IN THE REPORT BY THE PROJECT GEOTECHNICAL ENGINEER, CARMICHAEL ENGINEERING, INC DATED 12/27/2021. THE CONTRACTOR SHALL HAVE THIS REPORT ON THE JOB SITE FOR REFERENCE AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE EARTHWORK OPERATIONS AND CONSTRUCTION PHASE MONITORING TO ENSURE THAT ALL COMPACTION IS COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. THE CONTRACTOR SHALL PROVIDE TESTING REPORTS TO THE OWNER REGARDING COMPACTION TESTING PER THE TESTING PROTOCOL IN THE GEOTECHNICAL REPORT.

14) CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT ROADWAYS.

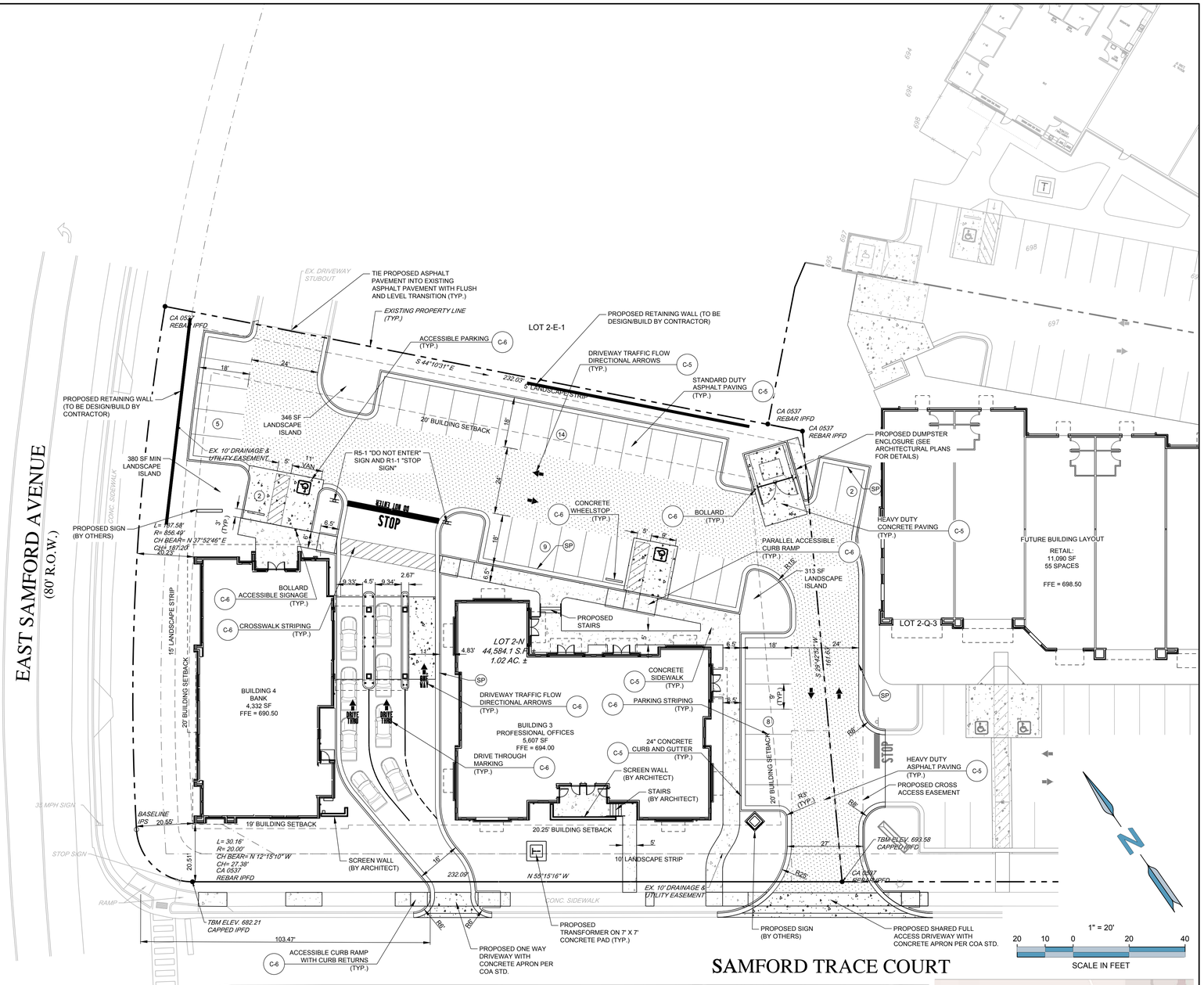
15) IN HEAVY DUTY PAVEMENT AREAS G.A.B. SHALL EXTEND UNDER THE GUTTER TO PROVIDE ADDITIONAL STABILITY FOR TRUCK TRAVEL.

LEGEND

	STANDARD DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	CONCRETE PAVING
	PROPERTY LINE
(#)	PARKING COUNT
(SP)	SPILL CURB
	TRAFFIC SIGN
	PAINTED TRAFFIC ARROWS

SITE DATA

PROJECT:		A BANK/RETAIL DEVELOPMENT WITH ASSOCIATED INFRASTRUCTURE
ZONING:		PLANNED DEVELOPMENT DISTRICT (PDD)
ADJACENT ZONING:		PDD
LAND USE INTENSITY:		VII
PARCEL IDENTIFICATION NUMBER:		09082840000001022
LOCATION:		SECTION 28, TOWNSHIP 19 N, RANGE 26 E
PROJECT SITE AREA:		1.02 AC.
DISTURBED AREA:		1.14 AC.
PERVIOUS SURFACE AREA:		0.29 AC.
IMPERVIOUS SURFACE AREA:		0.74 AC.
IMPERVIOUS SURFACE RATIO:		0.74 AC.= 0.74
IMPERVIOUS SURFACE MAX RATIO:		0.90
LANDSCAPE BUFFER -	STREET FRONTAGE:	15 FT AND 10 FT
	SIDE:	5 FT
	REAR:	5 FT
BUILDING SETBACK -	FRONT:	20 FT
	SIDE:	20 FT
	REAR:	20 FT
BUILDING 3 FLOOR AREA:		5,607 S.F.
BUILDING 4 FLOOR AREA:		4,332 S.F.
TOTAL BUILDING AREA:		9,939 S.F
FLOOR AREA RATIO MAXIMUM:		0.35
FLOOR AREA RATIO PROPOSED:		0.22
OVERALL BUILDING EAVE HEIGHT:		BUILDING 3: 18.5' BUILDING 4: 17'
CLADDING TYPE:		BRICK VENEER
NUMBER OF FLOORS:		1
PARKING RATIO REQUIRED -	BANK:	1 SPACE / 300 S.F.
	OFFICE:	1 SPACE / 300 S.F.
PARKING REQUIRED:		34 SPACES
PARKING PROVIDED:		38 SPACES
ACCESSIBLE PARKING REQUIRED:		2 SPACES
ACCESSIBLE PARKING PROVIDED:		2 SPACES
PROPOSED PARKING STALL:		9'X18'



SAMFORD TRACE COURT

LOCATION MAP
N.T.S.

Know what's below Call before you dig

ENGINEER:

FORESITE group

Foresite Group, LLC
2128 Moores Mill Rd.
Suite C
Auburn, AL 36830

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w | www.foresitegroup.net

DEVELOPER:

THE VILLAGE AT SAMFORD TRACE, LLC
PO BOX 628
AUBURN, AL 36830
(334) 559-1974

CONTACT: PAVAN REDDY & MIKE ELLIS

PROJECT:

SAMFORD TRACE BUILDING 3 & 4

1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	1" = 20'
TITLE:	

SITE & PAVING PLAN

SHEET NUMBER:

C-1

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

GENERAL NOTES:

1) ALL SPOT ELEVATIONS SHOWN ARE AT THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

2) ALL PROPOSED SIDEWALKS SHALL BE BUILT WITH A 1.5% CROSS-SLOPE AWAY FROM THE BUILDING.

SITE NOTES:

1) THE CONTRACTOR SHALL CLEAN OUT ACCUMULATED SILT IN STORM WATER CONVEYANCE CHANNELS AND PIPES AT END OF CONSTRUCTION WHEN DISTURBED AREAS HAVE BEEN STABILIZED.

2) COORDINATE WITH CITY OF AUBURN INSPECTIONS DURING CONSTRUCTION.

3) NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL SITE IMPROVEMENTS HAVE BEEN COMPLETED.

4) CONSTRUCT EROSION CONTROL BARRIERS PER CITY OF AUBURN INSPECTOR AND MAINTAIN UNTIL PERMANENT VEGETATION IS ESTABLISHED.

5) THE CONTRACTOR SHALL RE-ESTABLISH ALL RIGHT OF WAY AREA WHICH IS DAMAGED OR DISTURBED TO ORIGINAL CONDITIONS OR BETTER DURING AUTHORIZED WORK. ALL WORK IN CITY OF AUBURN RIGHT OF WAY SHALL COMPLY WITH GDOT SPECIFICATIONS.

6) ALL CURBED LANDSCAPE ISLANDS SHALL BE FILLED TO TOP OF CURB WITH TOPSOIL AND SEEDED.

7) MAXIMUM CUT OR FILL SLOPES IS 3H:1V

8) TREE PROTECTION FENCE SHALL BE INSTALLED PRIOR TO ANY CLEARING OR GRADING ACTIVITIES.

9) ALL STORM PIPE SHOWN ON THIS PLAN SHALL BE WRAPPED WITH LOCATION WIRE AND TAPE.

10) IN ALL AREAS OF FILL OR OTHERWISE DISTURBANCE OF EXISTING CONDITIONS, UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL FULLY AND COMPLETELY REMOVE AND LEGALLY DISPOSE OFF-SITE, ALL PLANT MATERIALS INCLUDING BUT NOT LIMITED TO ROOT SYSTEMS, CONCRETE, REINFORCED CONCRETE, ASPHALT DEBRIS, UNDERBRUSH, TOPSOIL, AND OTHER DELETERIOUS MATERIAL. THE SUBGRADE TO REMAIN SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY FOLLOWING FULL REMOVAL OF THESE MATERIALS.

11) REFER TO SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION REPORTS AS PROVIDED BY OWNER FOR RECOMMENDATIONS ASSOCIATED WITH: GENERAL SITE PREPARATION, BUILDING PAD PREPARATION, SUBGRADE PREP, AREAS TO RECEIVE FILL, AREAS TO BE OVEREXCAVATED, PAVEMENT SECTIONS, FILL SLOPES AND EXCAVATION. THE CONTRACTOR SHALL HAVE THIS REPORT ON THE JOB SITE FOR REFERENCE AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE EARTHWORK OPERATIONS AND CONSTRUCTION PHASE MONITORING TO ENSURE THAT ALL COMPACTION IS COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. THE CONTRACTOR SHALL PROVIDE TESTING REPORTS TO THE OWNER REGARDING COMPACTION TESTING PER THE TESTING PROTOCOL IN THE GEOTECHNICAL REPORT.

12) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES. **24 HR. CONTACT: WES THRASH (334) 887-6064**

13) NO PORTION OF THIS PROPERTY LIES WITHIN A SPECIAL FLOOD HAZARD AREA PER PANEL 01081C0202G DATED 11/02/2011

14) EROSION CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

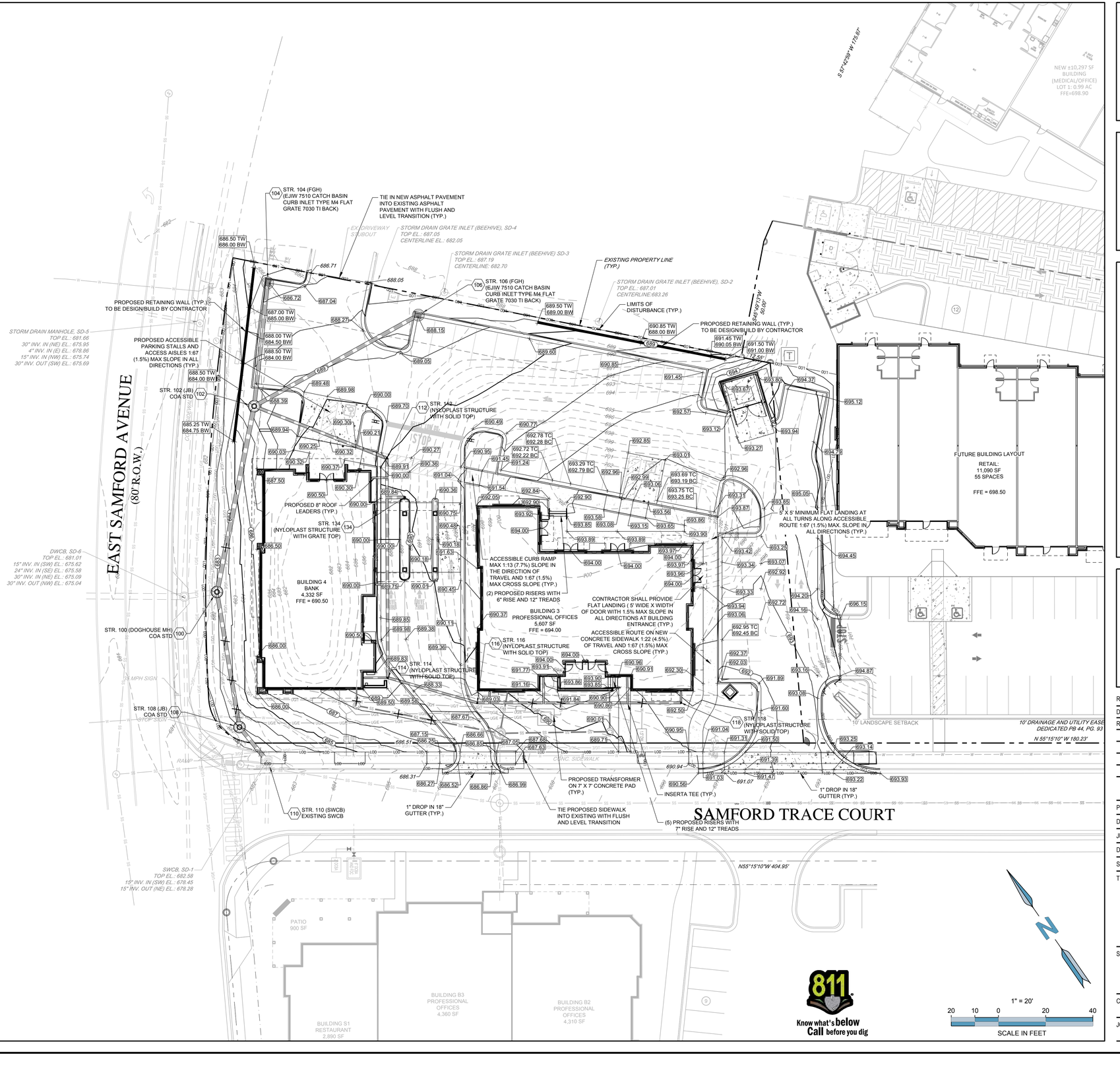
15) EXTREME CAUTION SHALL BE USED WHEN WORKING WITHIN THE VICINITY OF THE EXISTING OVERHEAD POWER LINES. CONTRACTORS SHALL NOTIFY/COORDINATE WITH ALABAMA POWER PRIOR TO CONSTRUCTION.

16) SEE MASTER STORM WATER PLAN FROM MASTER DEVELOPMENT IN REGARDS TO STORM WATE DETENTION REQUIREMENTS.

17) CONTRACTOR SHALL INSTALL DOWNSTREAM STORM PIPE CONNECTION IN THE RIGHT-OF-WAY PRIOR TO INSTALLATION OF ON-SITE STORM PIPING AND/OR STORM WATER DETENTION FACILITY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES SHOWN ON THE PLANS BY POT HOLING THE LINES. THE CONTRACTOR SHALL HAVE THE LINES SURVEYED, INCLUDING HORIZONTAL AND VERTICAL LOCATION, AND THE SURVEYED POINTS SENT TO THE PROJECT ENGINEER TO DETERMINE IF ANY UTILITY CONFLICTS WILL AFFECT THE CURRENT STORM DRAINAGE DESIGN.

LEGEND

XXXX	EXISTING CONTOURS
XXXX	PROPOSED CONTOURS
	EXISTING STORM PIPE
	PROPOSED STORM PIPE
XXXX.XX	EXISTING SPOT ELEVATION
XXXX.XX	PROPOSED SPOT ELEVATION
XXXX.XX TW / XXXX.XX BW	PROPOSED TOP OF WALL / BOTTOM OF WALL SPOT ELEVATION AT FINISHED GRADE



811 Know what's below Call before you dig

1" = 20'
20 10 0 20 40
SCALE IN FEET

ENGINEER:

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DEVELOPER:

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CONTACT: PAVAN REDDY & MIKE ELLIS

PROJECT:

SAMFORD TRACE BUILDING 3 & 4

1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH 6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	1" = 20'
TITLE:	

GRADING & DRAINAGE PLAN

SHEET NUMBER:

C-2

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

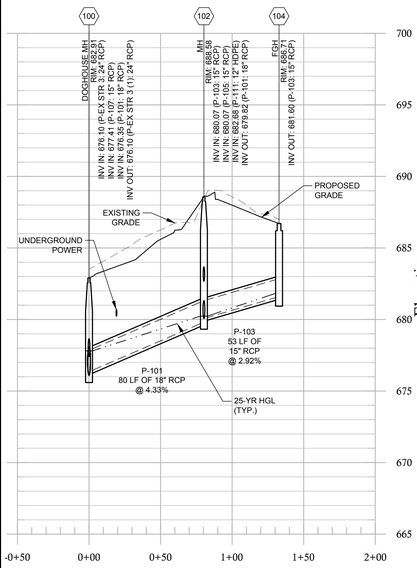
GENERAL NOTES:

1) PIPE LENGTHS REFLECT THE PIPES LINEAR LENGTH AND ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE ENCOUNTERED.

3) CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM THE DESIGN DRAWINGS.

STR 100 TO STR 104
1" = 50' H, 1"=5' V



STR 102 TO STR 106
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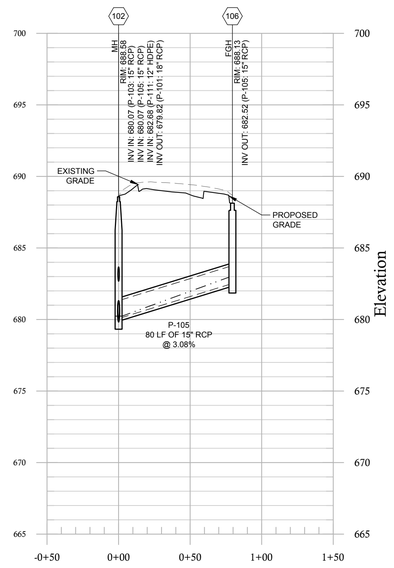
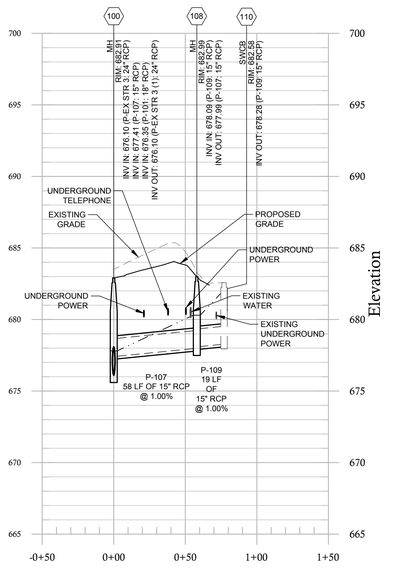
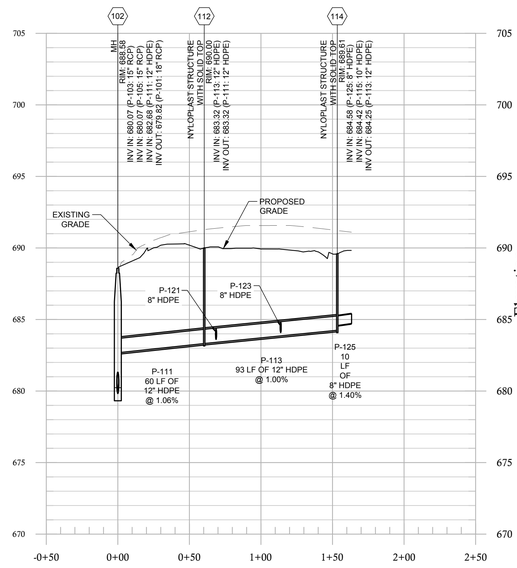


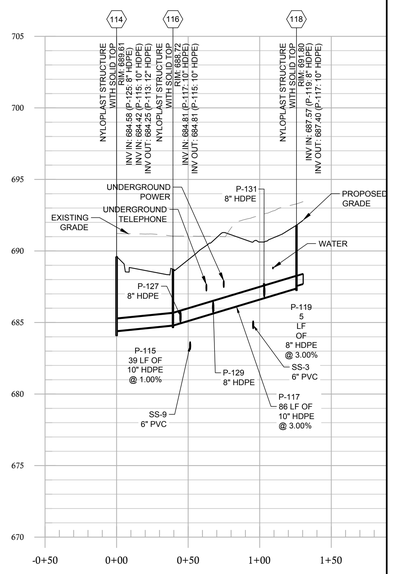
STR 100 TO STR 110
1" = 50' H, 1"=5' V



STR 102 TO BLDG
1" = 50' H, 1"=5' V



STR 114 TO STR 119
1" = 50' H, 1"=5' V



1" = 5'
5 2.5 0 5 10
VERTICAL: SCALE IN FEET

1" = 50'
50 25 0 50 100
HORIZONTAL: SCALE IN FEET

ENGINEER:

FORESITE group

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DEVELOPER:

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PO BOX 628
AUBURN, AL 36830
(334) 559-1974

CONTACT: PAVAN REDDY & MIKE ELLIS

PROJECT:

SAMFORD TRACE BUILDING 3 & 4

1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	AS SHOWN
TITLE:	

STORM DRAINAGE PROFILES

SHEET NUMBER:

C-2.1

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

UTILITY NOTES:

1) ALABAMA POWER WILL PROVIDE UNDERGROUND ELECTRICAL SERVICE FROM THE EXISTING SERVICE CABINET TO THE TRANSFORMER PAD. CONTRACTOR MUST PROVIDE TWO 5" PVC (SCH 80) CONDUITS AND A PULL STRING FROM THE EXISTING SERVICE CABINET TO THE PROPOSED TRANSFORMER LOCATIONS AND FROM THE TRANSFORMER LOCATION TO THE EXISTING SERVICE CABINET. THE CONTRACTOR IS ALSO RESPONSIBLE FOR INSTALLING SECONDARY CONDUIT AND WIRING FROM THE TRANSFORMER PAD TO THE PROPOSED BUILDING. APCO WILL PROVIDE ALL MATERIALS AND LABOR FOR THE NEW PJ SECTIONALIZING CABINET. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE POWER SERVICE INSTALLATION INCLUDING TRANSFORMER PAD INSTALLATION AND SHALL COORDINATE WITH THE POWER COMPANY FOR FINAL UNDERGROUND CONDUIT LOCATIONS.

2) SPIRE WILL PERFORM THE GAS SERVICE CONNECTION, INSTALL THE CONDUIT, AND SET THE METER FOR THE BUILDING. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SERVICE FROM THE METER INTO THE PROPOSED BUILDING. CONTRACTOR MUST COORDINATE WITH SPIRE.

3) CONTRACTOR MUST PROVIDE AND INSTALL TWO (2) 4" PVC CONDUITS WITH PULL STRINGS FROM THE EXISTING TELEPHONE PEDESTAL TO THE TELEPHONE BOARD IN THE BUILDING. THE CONTRACTOR MUST ALSO PROVIDE A #6 GROUND WIRE AT THE TELEPHONE BOARD FOR THE TELEPHONE COMPANY TO INSTALL A PHONE LINE.

4) CONTRACTOR SHALL FURNISH THE DOMESTIC WATER METER, VAULTS, ENCLOSURES, FIRE VAULTS, AND ALL EQUIPMENT NEEDED TO TAP THE EXISTING WATER LINE. THE CONTRACTOR MUST PROVIDE AND INSTALL THE METER BOX/VAULT, DOUBLE CHECK BACKFLOW PREVENTER AND ENCLOSURES, AND THE WATER SERVICE LINE FROM THE WATER METER TO THE BUILDING.

5) COORDINATE AS REQUIRED WITH CITY OF AUBURN INSPECTIONS DURING CONSTRUCTION FOR REQUIRED INSPECTIONS.

6) THIS SITE INDICATES POTABLE WATER SERVICE AND SANITARY SEWER LATERALS. ALABAMA STATE LAW REQUIRES THIS WORK TO BE INSTALLED BY AN ALABAMA LICENSED PLUMBER. ALL WORK MUST BE INSPECTED CITY OF AUBURN CODES AND INSPECTION DEPARTMENT.

7) ALL ON-SITE PVC PIPE SHALL HAVE CLASS B BEDDING.

8) ALL CONDUIT, PIPE, AND CHASE PIPE SHALL BE WRAPPED WITH THE APPROPRIATE LOCATION WIRE AND TAPE.

9) NO PRESSURE REDUCING VALVES ARE TO BE INSTALLED ON FIRE LINES. ALL FIRE LINES ARE TO BE INSPECTED BY CITY OF AUBURN FIRE SERVICE PRIOR TO COVERING.

10) NOTIFY WATER AND SEWER INSPECTOR PRIOR TO START OF CONSTRUCTION.

11) THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS INCLUDING ALL RIM ELEVATIONS, INVERT ELEVATIONS, PIPE SIZES, AND PIPE MATERIAL FOR ALL PUBLIC MAINS TO THE ENGINEER AS SOON AS INSTALLATION IS COMPLETE.

12) OWNER SHALL BE RESPONSIBLE FOR ANY REPAIR OR REPLACEMENT OF ANY IMPROVEMENTS WITHIN THE SANITARY SEWER, WATER, DRAINAGE EASEMENT(S) DUE TO MAINTENANCE OF SEWER, WATER, STORM DRAIN OF CITY OF AUBURN.

13) CONTRACTOR SHALL INSTALL THE DOWNSTREAM SANITARY SEWER CONNECTION AT THE RIGHT OF WAY PRIOR TO THE INSTALLATION OF THE ON-SITE SERVICE LATERALS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES SHOWN ON THE PLANS BY POT HOLING THE LINES. THE CONTRACTOR SHALL HAVE THE LINES SURVEYED, INCLUDING HORIZONTAL AND VERTICAL LOCATION, AND THE SURVEYED POINTS SENT TO THE PROJECT ENGINEER TO DETERMINE IF ANY UTILITY CONFLICTS WILL AFFECT THE CURRENT SANITARY SEWER DESIGN.

14) PVC WATER LINES LESS THAN 4" SHALL BE ASTM D 2241, SDR 21 WITH INTEGRALLY MOLDED BELL ENDS, ASTM D 2672. PVC WATER LINES 4" AND LARGER SHALL BE AWWA C900, RATED DR 18 (CLASS 150) WITH INTEGRALLY MOLDED BELL ENDS, ASTM D3139. DIP WATER LINES SHALL BE AWWA C151, THICKNESS CLASS 50.

15) PVC SANITARY SEWER LINES SHALL BE ASTM D 3034, RATED SDR 35 WITH INTEGRALLY MOLDED BELL ENDS, ASTM D 3034, TABLE 2, WITH FACTORY SUPPLIED ELASTOMERIC GASKETS AND LUBRICANT. DIP SANITARY SEWER LINES SHALL BE ASTM A746, CLASS 50 WITH AWWA C111, RUBBER GASKET JOINT DEVICES.

16) NO PERMANENT STRUCTURES MAY BE CONSTRUCTED OR PLACED ON EASEMENTS. FENCES MAY BE ERECTED PERPENDICULARLY ACROSS THE EASEMENT PROVIDED THERE IS A MINIMUM 12-FOOT WIDE ACCESS GATE INSTALLED. IF THE GATE IS TO BE LOCKED THERE MUST BE A CITY-APPROVED LOCK INSTALLED IN CONJUNCTION WITH THE OWNERS LOCK. NO TREES SHALL BE PLANTED WITHIN 10 FEET OF UTILITIES.

17) ONLY AUBURN WATER RESOURCE MANAGEMENT PERSONNEL ARE AUTHORIZED TO OPERATE AUBURN WATER RESOURCE MANAGEMENT VALVES.

18) ON-SITE SANITARY SEWER WILL BE PRIVATELY MAINTAINED.

19) MEGA LUGS SHALL BE USED TO JOIN ALL FITTINGS IN LIEU OF CONCRETE THRUST BLOCKS ON PUBLIC MAIN.

20) ALL DIP WATER LINES SHALL MEET AWWA C151, PRESSURE CLASS 350.

21) ALL PVC SEWER PIPE SHALL CONFORM TO ASTM F-679, SDR 35. ALL DUCTILE IRON SEWER PIPE SHALL CONFORM TO ASTM A746 FOR THICKNESS CLASS 50. ALL UTILITY INSTALLATION SHALL CONFORM TO THE CITY OF AUBURN PUBLIC WORKS MANUAL.

22) ALL WATER CONSTRUCTION SHALL MEET THE CITY OF AUBURN WATER WORKS BOARD SPECIFICATIONS AND DETAILS. SEE SECTION 14 FOR ALL WATER MAIN TESTING REQUIREMENTS AND MATERIAL SUBMITTALS.

23) ESTIMATED DOMESTIC WATER PRESSURE= (820-690.50)/2.31= 56 PSI. PRESSURE REDUCING VALVES ARE NOT REQUIRED.

24) NOTIFY CITY OF AUBURN WATER WORKS BOARD OF ANY SCHEDULED OUTAGES 7 DAYS PRIOR TO THE OUTAGE.

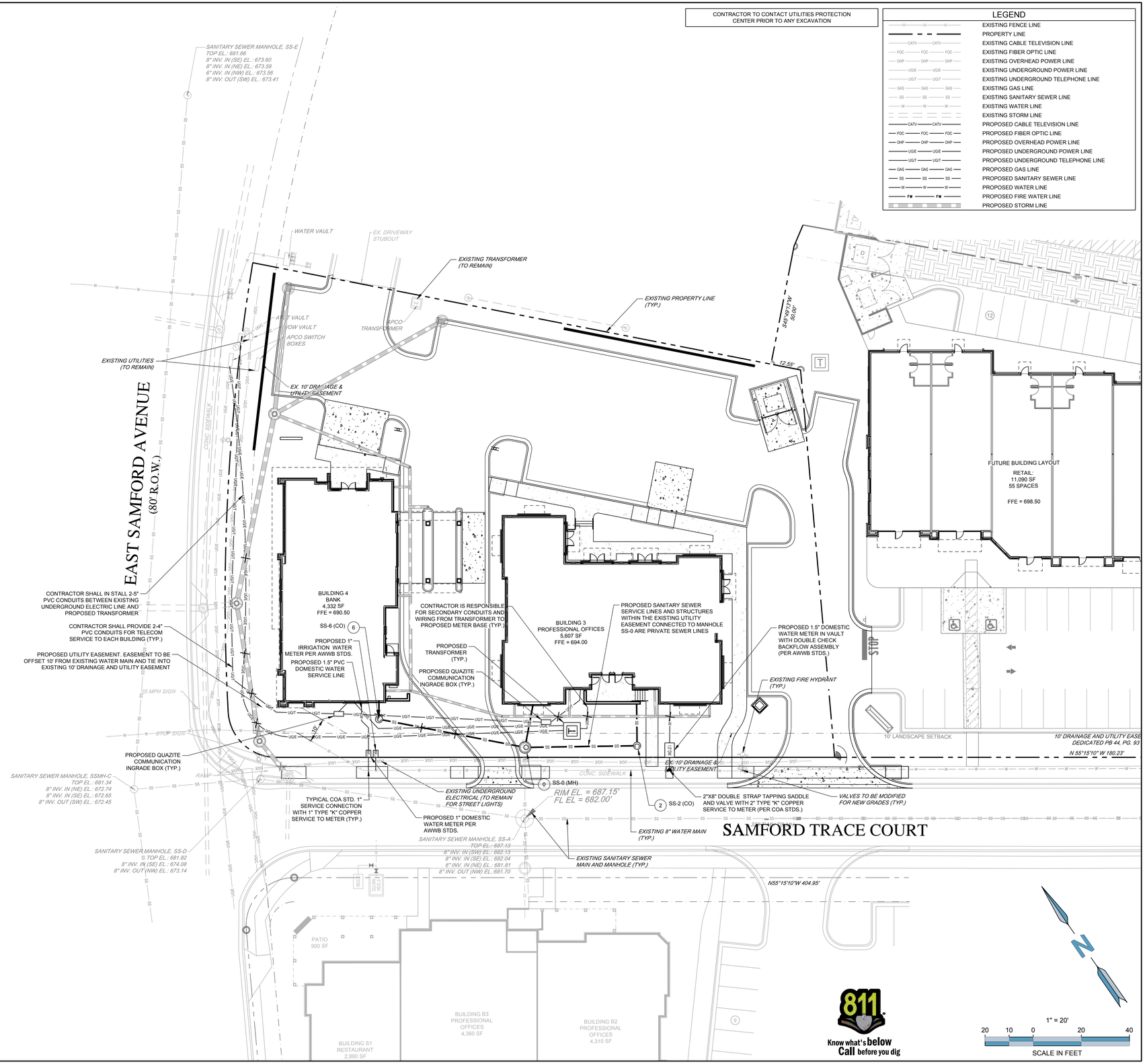
25) PUBLIC WATER AND SEWER MAINS AND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF AUBURN STANDARD SPECIFICATIONS IN LIEU OF THE GENERAL NOTES ON SHEETS G-2 AND G-2.1.

26) SANITARY SEWER LATERALS CONNECTION INTO MANHOLE SS-0 ARE PRIVATE TO BE OWNED AND MAINTAINED BY THE DEVELOPER.

CONTRACTOR TO CONTACT UTILITIES PROTECTION CENTER PRIOR TO ANY EXCAVATION

LEGEND

- EXISTING FENCE LINE
- PROPERTY LINE
- EXISTING CABLE TELEVISION LINE
- EXISTING FIBER OPTIC LINE
- EXISTING OVERHEAD POWER LINE
- EXISTING UNDERGROUND POWER LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING GAS LINE
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORM LINE
- PROPOSED CABLE TELEVISION LINE
- PROPOSED FIBER OPTIC LINE
- PROPOSED OVERHEAD POWER LINE
- PROPOSED UNDERGROUND POWER LINE
- PROPOSED UNDERGROUND TELEPHONE LINE
- PROPOSED GAS LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED WATER LINE
- PROPOSED FIRE WATER LINE
- PROPOSED STORM LINE



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PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	1" = 20'
TITLE:	

UTILITY PLAN

SHEET NUMBER:

C-3

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

GENERAL NOTES:

1) PIPE LENGTHS REFLECT THE PIPES LINEAR LENGTH AND ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE ENCOUNTERED.

3) CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM THE DESIGN DRAWINGS.

SS-0 TO SS-4
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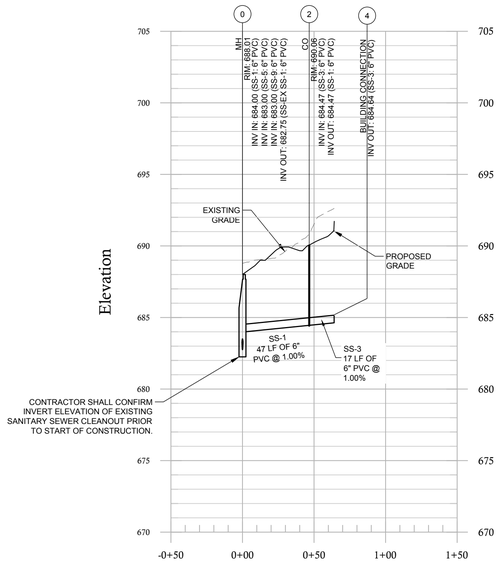
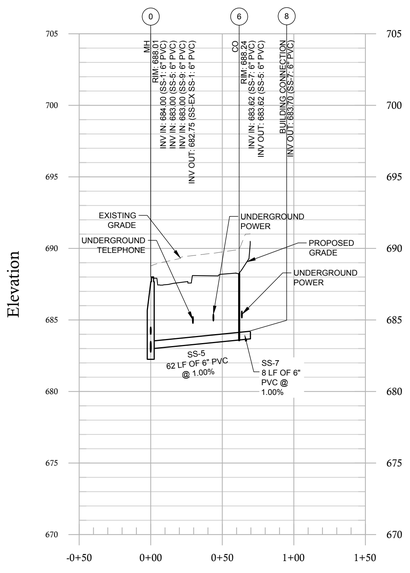
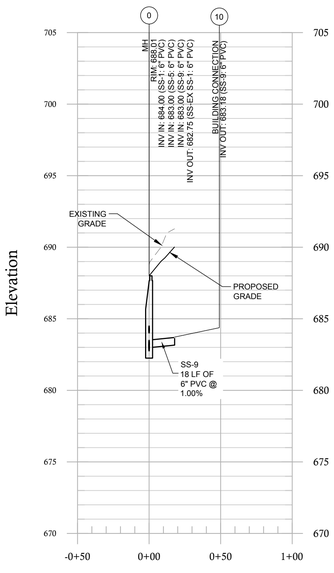


SS-0 TO SS-8
1" = 50' H, 1"=5' V



SS-0 TO SS-10
1" = 50' H, 1"=5' V



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JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	AS SHOWN
TITLE:	

SANITARY SEWER PROFILES

SHEET NUMBER:

C-3.1

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

GENERAL NOTES:

1) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES. 24 HR CONTACT: **WES THRASH (334) 887-6064** FORESITE GROUP, LLC.

2) THE CONTRACTOR IS RESPONSIBLE FOR MEETING THE REQUIREMENTS OF THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM) ADMIN. CODE 335-6 (VOLUME 1). CONTRACTOR IS FULLY RESPONSIBLE FOR MEETING THE FOLLOWING REQUIREMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

   A. DUTY TO MITIGATE ADVERSE IMPACTS

   B. DISCHARGES CANNOT VIOLATE WATER QUALITY STANDARDS

   C. CONSTRUCTION BEST MANAGEMENT PRACTICES (CBMPP) MAINTAINED ON SITE BY A QUALIFIED CREDENTIALED PROFESSIONAL (QCI OR QCP).

   D. EFFECTIVE EROSION AND SEDIMENT CONTROL MEASURES IMPLEMENTED AT ALL TIMES

   E. REGULAR COMPREHENSIVE INSPECTIONS OF SITE AND DOWNSTREAM CHANNEL

   F. COPIES OF INSPECTION REPORTS MAINTAINED

   G. DETAILED LOGS MAINTAINED

   H. SPILL AND CHEMICAL CONTROLS IMPLEMENTED- STORM WATER POLLUTION CONTROL PLAN AND MATERIAL SAFETY DATA SHEETS.

   I. CANNOT DISCHARGE OTHER POLLUTANTS OR WASTES

   J. THE NOTICE OF INTENT ID AND A RAIN GAUGE SHALL BE INSTALLED AND VISIBLE ON-SITE FROM THE RIGHT OF WAY.

3) THE PROFESSIONAL WHO SEALS THIS PLAN CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY THE PROFESSIONAL OR THE PROFESSIONAL'S AUTHORIZED AGENT, UNDER THE PROFESSIONAL'S DIRECT SUPERVISION.

4) ALL CONSTRUCTION SHALL COMPLY WITH THE SPECIFICATIONS AND PROCEDURES DETAILED IN THE CURRENT DEVELOPMENT REGULATIONS OF CITY OF AUBURN AND THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN ALABAMA.

5) THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO OR CONCURRENT WITH ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE PROJECT

6) EROSION AND SEDIMENT CONTROL MEASURES SPECIFIED ON PLAN SHEETS C-4, C-4.1, AND C-4.2 MUST BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. UPDATES MADE TO THE CBMPP BY THE CONTRACTOR OR QUALIFIED PROFESSIONAL WILL BE NOTED IN THE CBMPP AMENDMENT LOG. UPDATES ARE TO BE MADE WITHIN 5 DAYS AFTER RECEIVING NOTICE.

7) THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SPECIFIED ON PLAN SHEETS C-4, C-4.1, AND C-4.2 PRIOR TO ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE PROJECT.

8) MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PERMITTEE.

9) EROSION CONTROL DEVICES THAT ARE INSTALLED AS DIRECTED BY THE LAND DEVELOPMENT INSPECTOR BUT NOT SHOWN ON THE APPROVED PLAN AND WHICH ALSO SUBSEQUENTLY FAIL, ARE THE RESPONSIBILITY OF THE CONTRACTOR.

10) TEMPORARY STABILIZATION OF DISTURBED AREAS MUST BE INITIATED IMMEDIATELY WHENEVER WORK TOWARD PROJECT COMPLETION AND FINAL STABILIZATION OF ANY PORTION OF THE SITE HAS TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING THIRTEEN (13) CALENDAR DAYS.

11) SITE INSPECTIONS ARE TO BE CONDUCTED AS REQUIRED BY THE GENERAL NPDES PERMIT. SEE SECTION TITLED "PERMITTEE REQUIREMENTS FOR INSPECTION" ON THIS SHEET FOR SPECIFIC REQUIREMENTS.

12) PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE. ANY MUD, DIRT, OR ROCK TRACKED FROM THE SITE WILL BE CLEANED AS NECESSARY. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPAULIN.

13) PRIOR TO COMMENCING LAND DISTURBING ACTIVITY, THE LIMITS OF DISTURBANCE SHALL BE CLEARLY AND ACCURATELY MARKED WITH STAKES, RIBBON OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

14) IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

15) ANY SEDIMENT THAT ESCAPES THE SITE MUST BE IMMEDIATELY REMOVED AND PERMANENTLY STABILIZED ONSITE. REPLACEMENT OR REPAIRS TO ANY DEFECTIVE PORTION OF SILT FENCE MUST BE MADE IMMEDIATELY TO PREVENT FURTHER ESCAPE OF SEDIMENT.

16) SEDIMENT STORAGE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME. A STAKE WITH MEASUREMENT MARKINGS THAT INDICATE THE 1/3 VOLUME IS AN ACCEPTABLE SEDIMENT STORAGE INDICATOR.

17) THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE ACCUMULATED SILT IS ONE-THIRD (1/3) FULL FOR ALL EROSION & SEDIMENT CONTROL STRUCTURES. BASED ON THE AMOUNT OF SEDIMENT AND THE SIZE OF THE CONTROL MEASURE, SEDIMENT WILL BE REMOVED WITH A SHOVEL OR ONSITE EQUIPMENT TO MAINTAIN BMPS. THE SEDIMENT THAT IS REMOVED MUST BE PERMANENTLY STABILIZED.

18) ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION IS COMPLETE.

19) SILT BARRIERS SHALL BE PLACED AS SHOWN AND/OR AS DIRECTED BY THE PROJECT ENGINEER AND/OR COUNTY INSPECTORS.

20) ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.

21) SEDIMENT MUST BE PREVENTED FROM ENTERING STORM INLETS BY USING THE SPECIFIED INLET PROTECTION ON SHEETS C-4, C-4.1, AND C-4.2. IF SEDIMENT ENTERS STORM DRAINAGE STRUCTURES AND PIPES, THE CONTRACTOR MUST REMOVE THE ACCUMULATED SEDIMENT IMMEDIATELY AND IT MUST BE PERMANENTLY STABILIZED.

22) ALL DRAINAGE STRUCTURES SHALL HAVE RING AND COVER ACCESS.

23) LENGTH OF STORM WATER OUTFALL STRUCTURE RIP-RAP SHALL BE AT LEAST 6 TIMES THE DIAMETER OF THE STORM DRAIN PIPE.

24) ALL FILL AREAS AND DITCH WORK ON THIS SITE SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR.

25) DUST WILL BE CONTROLLED BY SPRINKLING WATER ON DISTURBED AREAS PER THE ALABAMA EROSION AND SEDIMENT CONTROL HANDBOOK.

26) SEDIMENT TRACKED INTO THE STREET MUST BE REMOVED BY THE CONTRACTOR. A SQUARE-ENDED SHOVEL AND BROOM WILL BE USED TO REMOVE SEDIMENT FROM STREETS. SEDIMENT IN THE STREET SHOULD NOT BE WASHED INTO STORM INLETS UNDER ANY CIRCUMSTANCES. PERMANENTLY STABILIZE ANY SEDIMENT REMOVED FROM STREET.

27) TOPSOIL SHALL BE STOCKPILED AND USED TO DRESS FINAL GRADES.

28) ALL TEMPORARY AND PERMANENT SEEDING MUST BE PERFORMED AT THE APPROPRIATE SEASON. ADDITIONAL PLANTINGS WILL BE NECESSARY IF A SUFFICIENT STAND OF GRASS FAILS TO GROW.

29) ALL SLOPES AND AREAS DISTURBED DURING CONSTRUCTION SHALL BE GRADED SMOOTH AND 4" OF TOPSOIL APPLIED. THE AREA SHALL THEN BE SEEDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL A HEALTHY STAND OF PERMANENT VEGETATION HAS BEEN ESTABLISHED FOR ALL DISTURBED AREAS.

30) CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES UNTIL CONSTRUCTION IS COMPLETE AND PERMANENT VEGETATION HAS BEEN ESTABLISHED.

31) PERMITTEES ARE RESPONSIBLE FOR RETURNING AREAS DISTURBED TO THE CONDITION PRIOR TO DISTURBANCE (TO INCLUDE SEEDING, MULCHING, AND SODDING ALL DISTURBED AREAS.

32) NO PORTION OF THE SUBJECT PROPERTY LIES WITHIN A 100 YEAR FLOOD HAZARD AREA PER FIRM MAP NUMBER 01081C0202G DATED 11/02/2011.

33) WHERE APPLICABLE, EACH INDIVIDUAL LOT BUILDER SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION CONTROL MEASURES ON THEIR OWN LOT.

34) TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION.

35) ALL OPEN DRAINAGE SWALES MUST BE GRASSED AND RIP-RAP PLACED AS REQUIRED TO PREVENT EROSION.

36) MAXIMUM SLOPES ON CUT OR FILL SECTIONS SHALL NOT EXCEED 3H:1V. CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 3H:1V WITH A HEIGHT OF TEN FEET OR GREATER SHALL STABILIZED WITH EROSION CONTROL MATTING AS SPECIFIED ON THE PLAN.

37) THE SITE WILL USE TEMPORARY SEDIMENT BASINS, WATTLES, EXCAVATED INLET TRAPS, PROPOSED STORMWATER STRUCTURES AND PIPES, RIP-RAP, AND THE PROPOSED DETENTION FACILITY TO CONTROL STORM WATER VOLUME AND VELOCITY ON SITE DURING CONSTRUCTION.

38) FLOCCULANTS WILL BE USED ON THIS SITE. CONTRACTOR MUST TEST FLOCCULANT ONSITE TO ENSURE IT IS EFFECTIVE WITH SOIL. MSDS SHEETS MUST BE STORED AND MADE AVAILABLE ONSITE.

39) THE RECEIVING WATER IS TRIBUTARY OF MOORES MILL CREEK.

40) CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY UPON START OF CONSTRUCTION IN ORDER FOR ENGINEER TO SCHEDULE THE INITIAL 7 DAY EROSION CONTROL INSPECTION.

41) IF DEWATERING ACTIVITIES OCCUR, IMPLEMENT PROPER FILTRATION PRIOR TO DISCHARGING.

42) REMOVE ALL TEMPORARY BMPS AFTER SITE IS COMPLETELY STABILIZED, BEFORE TERMINATION OF ADEM PERMIT, AND PRIOR TO CLOSE-OUT.

43) STREAM BUFFERS AND WETLANDS SHALL BE FLAGGED PRIOR TO ANY LAND DISTURBANCE. CITY OF AUBURN WATERSHED REQUESTS ON-SITE MEETING TO DISCUSS AT APPROPRIATE TIME.

EROSION AND SEDIMENT CONTROL LEGEND

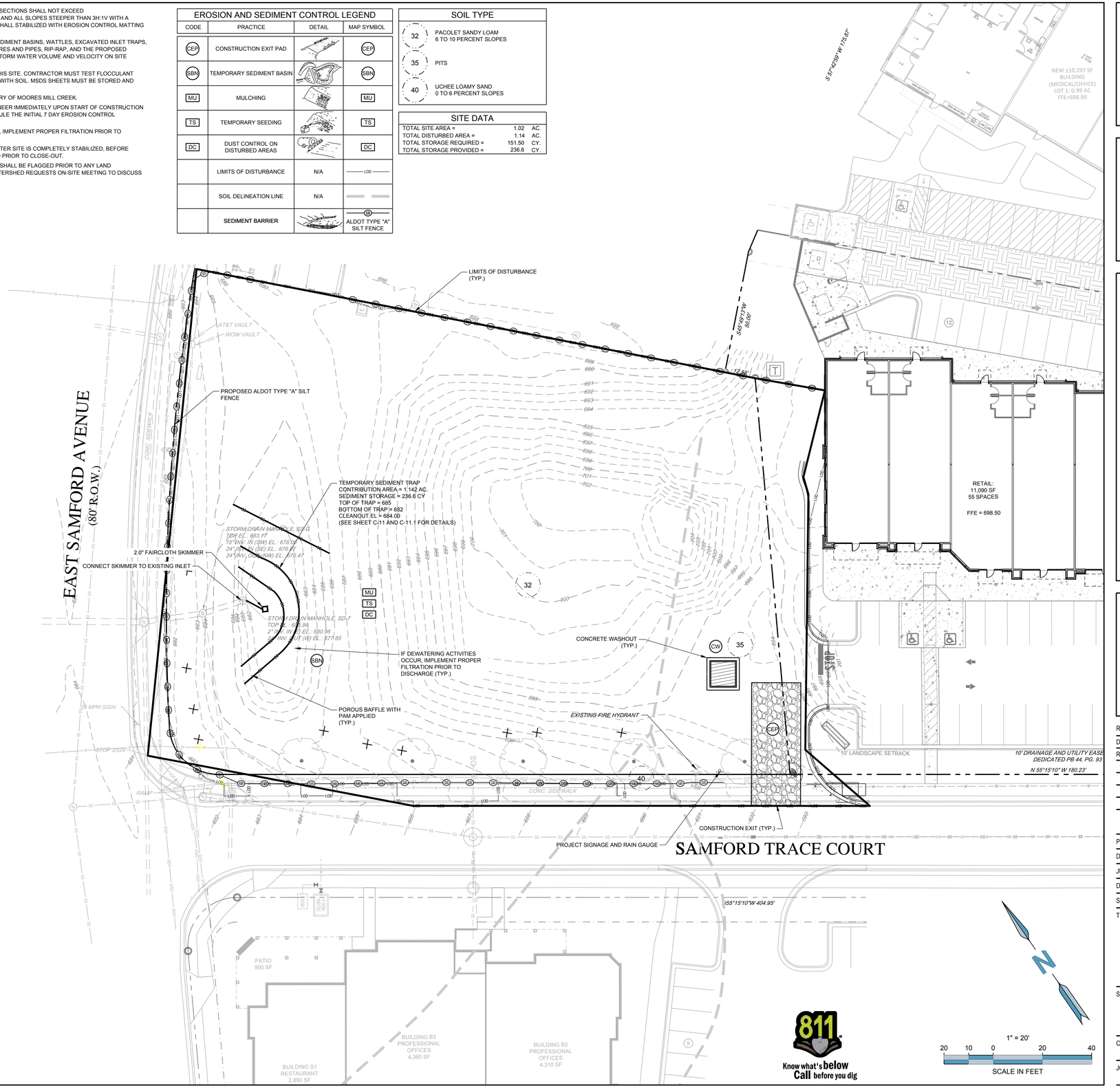
CODE	PRACTICE	DETAIL	MAP SYMBOL
CEP	CONSTRUCTION EXIT PAD		CEP
SBN	TEMPORARY SEDIMENT BASIN		SBN
MU	MULCHING		MU
TS	TEMPORARY SEEDING		TS
DC	DUST CONTROL ON DISTURBED AREAS		DC
	LIMITS OF DISTURBANCE	N/A	LOD
	SOIL DELINEATION LINE	N/A	
	SEDIMENT BARRIER		ALDOT TYPE "A" SILT FENCE

SOIL TYPE

32	PACOLET SANDY LOAM 6 TO 10 PERCENT SLOPES
35	PITS
40	UCHEE LOAMY SAND 0 TO 6 PERCENT SLOPES

SITE DATA

TOTAL SITE AREA =	1.02	AC.
TOTAL DISTURBED AREA =	1.14	AC.
TOTAL STORAGE REQUIRED =	151.50	CY.
TOTAL STORAGE PROVIDED =	236.6	CY.



Know what's **below** **Call** before you dig

1" = 20'

20 10 0 20 40

SCALE IN FEET

ENGINEER:

FORESITE group

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ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	1" = 20'
TITLE:	

INITIAL EROSION & SEDIMENT CONTROL PLAN

SHEET NUMBER:

C-4

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

EROSION AND SEDIMENT CONTROL LEGEND

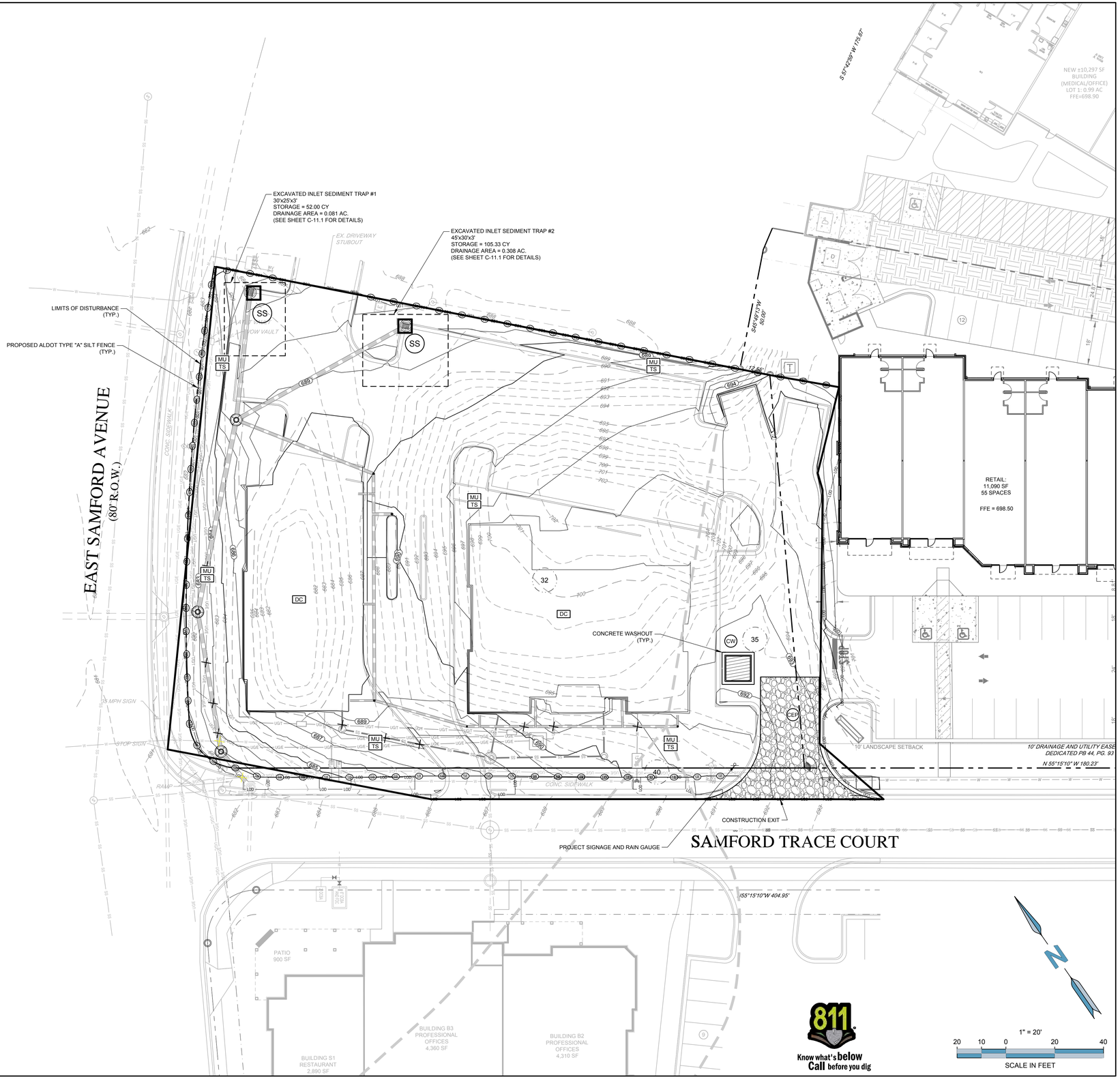
CODE	PRACTICE	DETAIL	MAP SYMBOL
CEP	CONSTRUCTION EXIT PAD		CEP
MU	MULCHING		MU
TS	TEMPORARY SEEDING		TS
DC	DUST CONTROL ON DISTURBED AREAS		DC
SS	SILT SAVER	N/A	SS
	LIMITS OF DISTURBANCE	N/A	LOD
	SOIL DELINEATION LINE	N/A	
	SEDIMENT BARRIER		ALDOT TYPE "A" SILT FENCE

SOIL TYPE

32	PACOLET SANDY LOAM 6 TO 10 PERCENT SLOPES
35	PITS
40	UCHEE LOAMY SAND 0 TO 6 PERCENT SLOPES

SITE DATA

TOTAL SITE AREA =	1.02	AC.
TOTAL DISTURBED AREA =	1.14	AC.
TOTAL STORAGE REQUIRED =	151.50	CY.
TOTAL STORAGE PROVIDED =	157.33	CY.



ENGINEER:

FORESITE group

Foresite Group, LLC
2128 Moores Mill Rd.
Suite C
Auburn, AL 36830

o | 334.887.6064
f | 334.887.6024
w | www.foresitegroup.net

DEVELOPER:

THE VILLAGE AT SAMFORD TRACE, LLC
PO BOX 628
AUBURN, AL 36830
(334) 559-1974

CONTACT: PAVAN REDDY & MIKE ELLIS

PROJECT:

SAMFORD TRACE BUILDING 3 & 4

1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
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PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	1" = 20'
TITLE:	

INTERMEDIATE EROSION & SEDIMENT CONTROL PLAN

SHEET NUMBER:

C-4.1

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

EROSION AND SEDIMENT CONTROL LEGEND

CODE	PRACTICE	DETAIL	MAP SYMBOL
BIP	BLOCK AND GRAVEL INLET PROTECTION		
MU	MULCHING		MU
PS	PERMANENT VEGETATION		PS
	LIMITS OF DISTURBANCE	N/A	LOD
	SOIL DELINEATION LINE	N/A	
	SEDIMENT BARRIER		ALDOT TYPE "A" SILT FENCE

SOIL TYPE

32	PACOLET SANDY LOAM 6 TO 10 PERCENT SLOPES
35	PITS
40	UCHEE LOAMY SAND 0 TO 6 PERCENT SLOPES

SITE DATA

TOTAL SITE AREA =	1.02	AC.
TOTAL DISTURBED AREA =	1.14	AC.

ENGINEER:

FORESITE group

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REVISIONS	DATE
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RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	1" = 20'
TITLE:	

FINAL EROSION & SEDIMENT CONTROL PLAN

SHEET NUMBER:

C-4.2

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

EROSION CONTROL NOTES:

1) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES. 24 HR CONTACT: **WES THRASH (334) 887-6064** FORESITE GROUP, LLC.

2) THE CONTRACTOR IS RESPONSIBLE FOR MEETING THE REQUIREMENTS OF THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM) ADMIN. CODE 335-6 (VOLUME 1). CONTRACTOR IS FULLY RESPONSIBLE FOR MEETING THE FOLLOWING REQUIREMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   - A. DUTY TO MITIGATE ADVERSE IMPACTS
   - B. DISCHARGES CANNOT VIOLATE WATER QUALITY STANDARDS
   - C. CONSTRUCTION BEST MANAGEMENT PRACTICES (CBMPP) MAINTAINED ON SITE BY A QUALIFIED CREDENTIALED PROFESSIONAL (QCI OR QCP).
   - D. EFFECTIVE EROSION AND SEDIMENT CONTROL MEASURES IMPLEMENTED AT ALL TIMES
   - E. REGULAR COMPREHENSIVE INSPECTIONS OF SITE AND DOWNSTREAM CHANNEL
   - F. COPIES OF INSPECTION REPORTS MAINTAINED
   - G. DETAILED LOGS MAINTAINED
   - H. SPILL AND CHEMICAL CONTROLS IMPLEMENTED- STORM WATER POLLUTION CONTROL PLAN AND MATERIAL SAFETY DATA SHEETS.
   - I. CANNOT DISCHARGE OTHER POLLUTANTS OR WASTES
   - J. THE NOTICE OF INTENT ID AND A RAIN GAUGE SHALL BE INSTALLED AND VISIBLE ON-SITE FROM THE RIGHT OF WAY.

3) THE PROFESSIONAL WHO SEALS THIS PLAN CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY THE PROFESSIONAL OR THE PROFESSIONAL'S AUTHORIZED AGENT, UNDER THE PROFESSIONAL'S DIRECT SUPERVISION.

4) ALL CONSTRUCTION SHALL COMPLY WITH THE SPECIFICATIONS AND PROCEDURES DETAILED IN THE CURRENT DEVELOPMENT REGULATIONS OF CITY OF AUBURN AND THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN ALABAMA.

5) THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO OR CONCURRENT WITH ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE PROJECT

6) EROSION AND SEDIMENT CONTROL MEASURES SPECIFIED ON PLAN SHEETS C-4, C-4.1, AND C-4.2 MUST BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. UPDATES MADE TO THE CBMPP BY THE CONTRACTOR OR QUALIFIED PROFESSIONAL WILL BE NOTED IN THE CBMPP AMENDMENT LOG. UPDATES ARE TO BE MADE WITHIN 5 DAYS AFTER RECEIVING NOTICE.

7) THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SPECIFIED ON PLAN SHEETS C-4, C-4.1, AND C-4.2 PRIOR TO ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE PROJECT.

8) MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PERMITTEE.

9) EROSION CONTROL DEVICES THAT ARE INSTALLED AS DIRECTED BY THE LAND DEVELOPMENT INSPECTOR BUT NOT SHOWN ON THE APPROVED PLAN AND WHICH ALSO SUBSEQUENTLY FAIL, ARE THE RESPONSIBILITY OF THE CONTRACTOR.

10) TEMPORARY STABILIZATION OF DISTURBED AREAS MUST BE INITIATED IMMEDIATELY WHENEVER WORK TOWARD PROJECT COMPLETION AND FINAL STABILIZATION OF ANY PORTION OF THE SITE HAS TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING THIRTEEN (13) CALENDAR DAYS.

11) SITE INSPECTIONS ARE TO BE CONDUCTED AS REQUIRED BY THE GENERAL NPDES PERMIT. SEE SECTION TITLED "PERMITTEE REQUIREMENTS FOR INSPECTION" ON THIS SHEET FOR SPECIFIC REQUIREMENTS.

12) PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE. ANY MUD, DIRT, OR ROCK TRACKED FROM THE SITE WILL BE CLEANED AS NECESSARY. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPAULIN.

13) PRIOR TO COMMENCING LAND DISTURBING ACTIVITY, THE LIMITS OF DISTURBANCE SHALL BE CLEARLY AND ACCURATELY MARKED WITH STAKES, RIBBON OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

14) IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

15) ANY SEDIMENT THAT ESCAPES THE SITE MUST BE IMMEDIATELY REMOVED AND PERMANENTLY STABILIZED ONSITE. REPLACEMENT OR REPAIRS TO ANY DEFECTIVE PORTION OF SILT FENCE MUST BE MADE IMMEDIATELY TO PREVENT FURTHER ESCAPE OF SEDIMENT.

16) SEDIMENT STORAGE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME. A STAKE WITH MEASUREMENT MARKINGS THAT INDICATE THE 1/3 VOLUME IS AN ACCEPTABLE SEDIMENT STORAGE INDICATOR.

17) THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE ACCUMULATED SILT IS ONE-THIRD (1/3) FULL FOR ALL EROSION & SEDIMENT CONTROL STRUCTURES. BASED ON THE AMOUNT OF SEDIMENT AND THE SIZE OF THE CONTROL MEASURE, SEDIMENT WILL BE REMOVED WITH A SHOVEL OR ONSITE EQUIPMENT TO MAINTAIN BMPS. THE SEDIMENT THAT IS REMOVED MUST BE PERMANENTLY STABILIZED.

18) ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION IS COMPLETE.

19) SILT BARRIERS SHALL BE PLACED AS SHOWN AND/OR AS DIRECTED BY THE PROJECT ENGINEER AND/OR COUNTY INSPECTORS.

20) ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.

21) SEDIMENT MUST BE PREVENTED FROM ENTERING STORM INLETS BY USING THE SPECIFIED INLET PROTECTION ON SHEETS C-4, C-4.1, AND C-4.2. IF SEDIMENT ENTERS STORM DRAINAGE STRUCTURES AND PIPES, THE CONTRACTOR MUST REMOVE THE ACCUMULATED SEDIMENT IMMEDIATELY AND IT MUST BE PERMANENTLY STABILIZED.

22) ALL DRAINAGE STRUCTURES SHALL HAVE RING AND COVER ACCESS.

23) LENGTH OF STORM WATER OUTFALL STRUCTURE RIP-RAP SHALL BE AT LEAST 6 TIMES THE DIAMETER OF THE STORM DRAIN PIPE.

24) ALL FILL AREAS AND DITCH WORK ON THIS SITE SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR.

25) DUST WILL BE CONTROLLED BY SPRINKLING WATER ON DISTURBED AREAS PER THE ALABAMA EROSION AND SEDIMENT CONTROL HANDBOOK.

26) SEDIMENT THAT HAS BEEN TRACKED-OUT FROM SITE ONTO PAVED ROADS, SIDEWALKS, OR OTHER PAVED AREAS OUTSIDE OF SITE BOUNDARIES SHOULD BE REMOVED BY THE END OF THE SAME BUSINESS DAY AND/OR NORMAL OPERATING HOURS. REMOVAL SHALL BE BY SWEEPING, SHOVELING, OR VACUUMING THE SURFACES. REMOVAL BY HOSING OR SWEEPING TRACKED OUT SEDIMENT INTO ANY STORMWATER CONVEYANCE, STORM DRAIN INLET, OR WATER OF THE STATE IS PROHIBITED.

27) TOPSOIL SHALL BE STOCKPILED AND USED TO DRESS FINAL GRADES.

28) ALL TEMPORARY AND PERMANENT SEEDING MUST BE PERFORMED AT THE APPROPRIATE SEASON. ADDITIONAL PLANTINGS WILL BE NECESSARY IF A SUFFICIENT STAND OF GRASS FAILS TO GROW.

29) ALL SLOPES AND AREAS DISTURBED DURING CONSTRUCTION SHALL BE GRADED SMOOTH AND 4" OF TOPSOIL APPLIED. THE AREA SHALL THEN BE SEEDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL A HEALTHY STAND OF PERMANENT VEGETATION HAS BEEN ESTABLISHED FOR ALL DISTURBED AREAS.

30) CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES UNTIL CONSTRUCTION IS COMPLETE AND PERMANENT VEGETATION HAS BEEN ESTABLISHED.

31) PERMITTEES ARE RESPONSIBLE FOR RETURNING AREAS DISTURBED TO THE CONDITION PRIOR TO DISTURBANCE (TO INCLUDE SEEDING, MULCHING, AND SODDING ALL DISTURBED AREAS.

32) NO PORTION OF THE SUBJECT PROPERTY LIES WITHIN A 100 YEAR FLOOD HAZARD AREA PER FIRM MAP NUMBER 01081C0202G DATED 11/02/2011.

33) WHERE APPLICABLE, EACH INDIVIDUAL LOT BUILDER SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION CONTROL MEASURES ON THEIR OWN LOT.

34) A 25-FOOT UNDISTURBED BUFFER IS TO BE MAINTAINED ADJACENT TO ALL STREAMS.

35) TWO ROWS OF ALDOT TYPE A SILT FENCE SHALL BE INSTALLED ADJACENT TO STATE WATERS AND WILL PROTECT STATE WATERS FROM ANY LAND DISTURBING ACTIVITIES.

36) ALL LOTS WITH WETLANDS OR WITHIN A DAM ZONE SHALL BE DENOTED WITH AN ASTERISK.

37) APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY CITY OF AUBURN OR ADEM OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS AND/OR WHICH MAY IMPACT ENDANGERED SPECIES. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY DISTURBANCE WHICH MAY HAVE THIS EFFECT.

38) DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION.

39) ALL OPEN DRAINAGE SWALES MUST BE GRASSED AND RIP-RAP PLACED AS REQUIRED TO PREVENT EROSION.

40) MAXIMUM SLOPES ON CUT OR FILL SECTIONS SHALL NOT EXCEED 3H:1V. SLOPES STEEPER THAN 3H:1V REQUIRE A WAIVER FROM THE CITY.CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 3H:1V WITH A HEIGHT OF TEN FEET OR GREATER SHALL STABILIZED WITH EROSION CONTROL MATTING AS SPECIFIED ON THE PLAN. SLOPES STEEPER THAN 3H:1V REQUIRE A WAIVER FROM THE CITY.

41) THE SITE WILL USE TEMPORARY SEDIMENT BASINS, WATTLES, EXCAVATED INLET TRAPS, PROPOSED STORMWATER STRUCTURES AND PIPES, RIP-RAP, AND THE PROPOSED DETENTION FACILITY TO CONTROL STORM WATER VOLUME AND VELOCITY ON SITE DURING CONSTRUCTION.

42) FLOCCULANTS WILL BE USED ON THIS SITE. CONTRACTOR MUST TEST FLOCCULANT ONSITE TO ENSURE IT IS EFFECTIVE WITH SOIL. MSDS SHEETS MUST BE STORED AND MADE AVAILABLE ONSITE.

CERTIFICATION STATEMENT:

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

SIGNATURE OF ENGINEER	DATE
32010	PROJECT MANAGER
CERTIFICATION #	TITLE

GENERAL NOTES:

THIS PLAN INCLUDES, AS A MINIMUM, BEST MANAGEMENT PRACTICES, INCLUDING SOUND CONSERVATION AND ENGINEERING PRACTICES TO PREVENT AND MINIMIZE EROSION AND RESULTANT SEDIMENTATION, WHICH ARE CONSISTENT WITH, AND NO LESS STRINGENT THAN, THOSE PRACTICES CONTAINED IN THE "ALABAMA EROSION AND SEDIMENT CONTROL HANDBOOK" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND DISTURBING ACTIVITY WAS PERMITTED, AS WELL AS THE FOLLOWING:

1) STRIPPING OF VEGETATION, CUT AND FILL OPERATIONS, AND OTHER DEVELOPMENT ACTIVITIES WILL BE CONDUCTED IN A MANNER SO AS TO MINIMIZE EROSION AND SOIL EXPOSURE.

2) DEVELOPMENT PLANS CONFORM TO TOPOGRAPHY AND SOIL TYPE, SO AS TO CREATE THE LOWEST PRACTICABLE EROSION POTENTIAL.

3) THE DISTURBED AREA AND THE DURATION OF EXPOSURE TO EROSIVE ELEMENTS WILL BE KEPT TO A PRACTICAL MINIMUM. WHENEVER FEASIBLE, NATURAL VEGETATION WILL BE RETAINED, PROTECTED, AND SUPPLEMENTED.

4) TEMPORARY STABILIZATION OF DISTURBED AREAS MUST BE INITIATED IMMEDIATELY WHENEVER WORK TOWARD PROJECT COMPLETION AND FINAL STABILIZATION OF ANY PORTION OF THE SITE HAS TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING THIRTEEN (13) CALENDAR DAYS.

5) PERMANENT VEGETATION AND STRUCTURAL EROSION CONTROL MEASURES MUST BE INSTALLED IMMEDIATELY, AS DIRECTLY BY THE BMP PHASING TIMELINE.

6) SEDIMENT IN RUN-OFF WATER WILL BE TRAPPED BY THE USE OF THE SEDIMENT STORAGE DEVICES DEPICTED ON SHEETS C-4, C-4.1, AND C-4.2, UNTIL THE DISTURBED AREA IS STABILIZED.

7) CUTS AND FILLS WILL NOT ENDANGER ADJOINING PROPERTY.

8) FILLS WILL NOT ENCROACH UPON NATURAL WATER COURSES OR CONSTRUCTED CHANNELS IN A MANNER SO AS TO ADVERSELY AFFECT OTHER PROPERTY OWNERS;

9) PROVISIONS ARE PROVIDED FOR TREATMENT OR CONTROL OF ANY SOURCE OF SEDIMENTS AND ADEQUATE SEDIMENTATION CONTROL FACILITIES TO RETAIN SEDIMENTS ON SITE OR PRECLUDE SEDIMENTATION OF ADJACENT WATERS BEYOND THE LEVELS SPECIFIED IN THE GENERAL NPDES PERMIT.

10) FOR COMMON DRAINAGE LOCATIONS A TEMPORARY (OR PERMANENT) SEDIMENT BASIN PROVIDING AT LEAST 3600 CUBIC FEET OF STORAGE PER ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. THE 3600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFF-SITE AREAS AND FLOWS FROM ON-SITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. FOR DRAINAGE LOCATIONS WHERE A TEMPORARY SEDIMENT BASIN PROVIDING AT LEAST 3600 CUBIC FEET OF STORAGE PER ACRE DRAINED, OR EQUIVALENT CONTROLS IS NOT ATTAINABLE, SEDIMENT TRAPS, SILT FENCES, OR EQUIVALENT SEDIMENT CONTROLS ARE REQUIRED FOR ALL SIDE SLOPE AND DOWN SLOPE BOUNDARIES OF THE CONSTRUCTION AREA. WHEN THE SEDIMENT FILLS TO A VOLUME AT MOST OF 1200 CUBIC FEET PER ACRE FOR EACH DRAINAGE AREA, THE SEDIMENT SHALL BE REMOVED TO RESTORE THE ORIGINAL DESIGN VOLUME. THIS SEDIMENT MUST BE PROPERLY DISPOSED

11) NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

12) OFF SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED BY USING CONSTRUCTION EXIT PADS.

13) ALL LOTS AND DEVELOPMENT AREAS SHALL MAINTAIN COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

14) A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.

15) THERE SHALL BE NO ON-SITE STORAGE OF PETROLEUM. MOBILE PETROLEUM TRUCKS SHALL BE USED TO FUEL CONSTRUCTION EQUIPMENT ON-SITE. NOTHING IN THIS PERMIT SHALL BE CONSTRUED TO PRECLUDE THE INSTITUTION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEE OR OPERATOR FROM ANY RESPONSIBILITIES, LIABILITIES, OR PENALTIES TO WHICH THE PERMITTEE OR OPERATOR IS OR MAY BE SUBJECT UNDER THE SECTION 311 OF THE CLEAN WATER ACT OR SECTION 106 OF COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT.

16) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A "QUALIFIED PROFESSIONAL" INSPECT AND REPORT ALL DEFICIENCIES OF ALL EROSION CONTROL MEASURES AT A MINIMUM OF ONCE A MONTH AND WITHIN 24 HOURS OF EVERY 3/4" RAIN EVENT.

17) AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

18) THE DESIGN PROFESSIONAL OR DESIGNEE IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.

19) CONTRACTOR SHALL SUBMIT MATERIAL SAFETY DATA SHEETS (MSDS) BEFORE ANIONIC POLYMERS OR POLYACRYLAMIDES (PAM) CAN BE APPLIED.

20) PHASING OF CONSTRUCTION ACTIVITY: ONE PHASE.

21) ANY PORTABLE TOILETS ONSITE SHOULD BE KEPT ON LEVEL GROUND AND AWAY FROM INLETS OR WATERWAYS.

22) GRADING EQUIPMENT WILL CROSS FLOWING STREAMS BY THE MEANS OF BRIDGES OR CULVERTS, EXCEPT WHEN SUCH METHODS ARE NOT FEASIBLE, PROVIDED IN ANY CASE THAT SUCH CROSSINGS ARE KEPT TO A MINIMUM;

23) NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, EXCEPT WHERE THE CITY OR COUNTY HAS DETERMINED TO ALLOW A VARIANCE OR WHERE A DRAINAGE STRUCTURE OR A ROADWAY STRUCTURE MUST BE CONSTRUCTED, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED IN THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED.

RETENTION OF RECORDS:

1) THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED:

- A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO ADEM;
- B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
- C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH THIS PERMIT;
- D. A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
- E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH THIS PERMIT;
- F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH THIS PERMIT.
- G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH THIS PERMIT; AND
- H. DATES OF GRADING, CONSTRUCTION ACTIVITY, AND STABILIZATION.

2) COPIES OF ALL NOI'S, NOT'S, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF ADEM AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

811
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PERMITTEE REQUIREMENTS FOR INSPECTION:

1) PRE-CONSTRUCTION OBSERVATIONS

- A. A PRE-CONSTRUCTION SITE INSPECTION SHALL BE CONDUCTED PRIOR TO THE PLACEMENT OF ANY BMPs, OR THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES.
- B. PRE-CONSTRUCTION INSPECTION SHALL CONSIST OF A COMPLETE COMPREHENSIVE INSPECTION OF THE ENTIRE PROPOSED CONSTRUCTION SITE INCLUDING ALL PROPOSED AREAS OF LAND DISTURBANCE, PROPOSED AREAS USED FOR THE STORAGE OF MATERIALS THAT MAY BE EXPOSED TO PRECIPITATION, AFFECTED DITCHES, AND OTHER STORMWATER CONVEYANCES, AS WELL AS ALL PROPOSED OUTFALLS, RECEIVING WATERS AND STREAM BANKS TO DETERMINE IF THERE ARE PRE-EXISTING AREAS OF CONCERN.
- C. PRE-CONSTRUCTION INSPECTIONS SHALL BE CONDUCTED BY THE QCP OR A QUALIFIED PERSON UNDER DIRECT SUPERVISION OF A QCP.
- D. THE INSPECTION SHALL BE DOCUMENTED AND MADE AVAILABLE TO ADEM UPON REQUEST.
- E. PRE-CONSTRUCTION INSPECTION SHALL INCLUDE DATED ELECTRONIC PHOTOGRAPHIC DOCUMENTATION OF ALL AREAS DESCRIBED IN PARAGRAPH (B) ABOVE.
- F. THE PERMITTEE SHALL MAINTAIN RECORD OF THE PRE-CONSTRUCTION SITE INSPECTION.

2) DAILY OBSERVATIONS

- A. EACH DAY THERE IS ACTIVITY AT THE SITE, THE PERMITTEE SHALL VISUALLY OBSERVE THAT PORTION OF THE CONSTRUCTION PROJECT WHERE ACTIVE DISTURBANCE, WORK, OR CONSTRUCTION OCCURRED TO NOTE ANY RAINFALL MEASUREMENTS OCCURRING SINCE THE PREVIOUS OBSERVATION, AND ANY APPARENT BMP DEFICIENCIES IN THE AREA OF ACTIVE DISTURBANCE.
- B. SUCH DAILY OBSERVATIONS MAY BE PERFORMED BY APPROPRIATE SITE PERSONNEL
- C. THE PERMITTEE SHALL MAINTAIN A LOG OF ALL DAILY OBSERVATIONS AND RECORD IN SUCH LOG ANY RAINFALL MEASUREMENTS AND BMP DEFICIENCIES OBSERVED.

3) SITE INSPECTIONS

- A. A SITE INSPECTION SHALL CONSIST OF A COMPLETE AND COMPREHENSIVE OBSERVATION OF THE ENTIRE CONSTRUCTION SITE INCLUDING ALL AREAS OF LAND DISTURBANCE, AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION, AFFECTED DITCHES, AND OTHER STORMWATER CONVEYANCES AS WELL AS ALL OUTFALLS, RECEIVING WATERS AND STREAM BANKS TO DETERMINE IF AND ENSURE THAT.
  - (i) EFFECTIVE EROSION CONTROLS AND SEDIMENT CONTROLS HAVE BEEN FULY IMPLEMENTED AND MAINTAINED IN ACCORDANCE WITH THIS PERMIT, THE SITE CBMPP, AND THE ALABAMA HANDBOOK;
  - (ii) POLLUTANT DISCHARGES HAVE BEEN PREVENTED/MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE, AND
  - (iii) DISCHARGES DO NOT RESULT IN A CONTRAVENTION OF APPLICABLE STATE WATER QUALITY STANDARDS FOR THE RECEIVING STREAM(S) OR OTHER WATERS IMPACTED OR AFFECTED BY THE PERMITTEE.
- B. SITE INSPECTIONS SHALL BE PERFORMED BY A QCI, QCP, A QUALIFIED PERSON UNDER THE DIRECT SUPERVISION OF A QCP.
- C. FOR NON-LINEAR PROJECTS, A SITE INSPECTION SHALL BE PERFORMED ONCE EACH MONTH AND AFTER ANY QUALIFYING PRECIPITATION EVENT, COMMENCING AS PROMPTLY AS POSSIBLE, BUT NO LATER THAN 24-HOURS AFTER RESUMING OR CONTINUING ACTIVE CONSTRUCTION OR DISTURBANCE, AND COMPLETED NO LATER THAN 72-HOURS FOLLOWING THE QUALIFYING PRECIPITATION EVENT;
- D. FOR LINEAR PROJECTS WHERE ACTIVE CONSTRUCTION OR AREAS WHERE PERENNIAL VEGETATION HAS NOT BEEN FULLY ESTABLISHED, MEETING THE DEFINITION OF FINAL STABILIZATION, A SITE INSPECTION SHALL BE PERFORMED AT LEAST ONCE A MONTH AND AFTER ANY QUALIFYING PRECIPITATION EVENT SINCE THE LAST INSPECTION, BEGINNING AS PROMPTLY AS POSSIBLE, BUT NO LATER THAN 24-HOURS AFTER RESUMING OR CONTINUING ACTIVE CONSTRUCTION OR DISTURBANCE AND COMPLETED NO LATER THAN FIVE (5) DAYS AFTER THE QUALIFYING PRECIPITATION EVENT;
- E. A SITE INSPECTION SHALL ALSO BE PERFORMED AS OFTEN AS IS NECESSARY UNTIL ANY POORLY FUNCTION EROSION CONTROLS OR SEDIMENT CONTROLS, NON-COMPLIANT DISCHARGES, OR ANY OTHER DEFICIENCIES OBSERVED DURING A PRIOR INSPECTION ARE CORRECTED AND DOCUMENTED AS BEING IN COMPLIANCE WITH THE REQUIREMENTS OF THIS PERMIT.
- F. ON ALL ACTIVE DISTURBANCE, DREDGING, EXCAVATION, OR CONSTRUCTION UNDERTAKEN OR LOCATED WITHIN THE BANKS OF A WATERBODY, INCLUDING BUT NOT LIMITED TO, EQUIPMENT/VEHICLE CROSSINGS, PIPELINES, OR ANOTHER TRANSMISSION LINE INSTALLATION, CONVEYOR STRUCTURE INSTALLATION, AND WATERBODY RELOCATION, STREAMBANK STABILIZATION, OR OTHER ALTERATIONS, A SITE INSPECTION SHALL BE PERFORMED AT LEAST ONCE A WEEK AND AS OFTEN AS IS NECESSARY UNTIL THE DITRUBANCE/ACTIVITY IMPACTING THE WATERBODY IS COMPLETE AND RECLAMATION OR EFFECTIVE STORMWATER QUALITY REMEDIATION IS ACHIEVED.
- G. CONTRACTOR HAS WITHIN 72 HOURS TO TAKE THE CORRECTIVE ACTION TO FIX FOR POORLY FUNCTIONING EROSION AND SEDIMENT CONTROLS PER INSPECTION REPORT.

4) CBMPP EVALUATIONS

- A. THE QCP SHALL PERFORM AN ONSITE EVALUATION OF ALL EROSION AND SEDIMENT CONTROLS BEING IMPLEMENTED FOR ADEQUACY AND CONSISTENCY WITH SITE CONDITIONS.
- B. THE CBMPP EVALUATION SHALL BE PERFORMED AS OFTEN AS NECESSARY UNTIL POORLY FUNCTIONING OR DAMAGED EROSION CONTROLS OR SEDIMENT CONTROLS ARE CORRECTED AND, AT A MINIMUM, ONCE EVERY THREE (3) MONTHS FOR A PRIORITY CONSTRUCTION SITE OR ONCE EVERY SIX (6) MONTHS FOR NON-PRIORITY CONSTRUCTION SITE.

WASTE DISPOSAL:

1) WASTE MATERIALS: ALL WASTE MATERIALS WILL BE COLLECTED AND STORED TO BE PROPERLY DISPOSED OF AT A LICENSED SOLID WASTE MANAGEMENT COMPANY. LOCATE WASTE COLLECTION AREAS AWAY FROM STREETS, GUTTERS, WATERCOURSES, AND STORM DRAINS. WASTE COLLECTION AREAS, SUCH AS DUMPSTERS, ARE OFTEN BEST LOCATED NEAR CONSTRUCTION SITE ENTRANCES TO MINIMIZE TRAFFIC ON DISTURBED SOIL. DISPOSAL SHALL BE PERIODICALLY AS NEEDED. NO CONSTRUCTION MATERIALS WILL BE BURIED ONSITE. ALL PERSONNEL WILL BE INSTRUCTED CONCERNING WASTE DISPOSAL. THE CONTRACTOR WILL BE RESPONSIBLE FOR THIS INSTRUCTION, AND WILL BE RESPONSIBLE FOR SEEING THAT THESE INSTRUCTIONS ARE FOLLOWED.

2) HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES, AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

3) SANITARY WASTE: IF NEEDED, PORTABLE UNITS WILL BE USED TO COLLECT SANITARY WASTE. ALL SANITARY WASTE TO BE DISPOSED OF PROPERLY ACCORDING TO STATE AND FEDERAL CODE.

4) CONTRACTOR WILL PROPERLY DISPOSE OF WASTE EVERY MONTH.

QCI DETAILS:

FORESITE GROUP, LLC.
TO BE ASSIGNED
2128 MOORES MILL ROAD
SUITE C
AUBURN, AL, 36830

ANTICIPATED ACTIVITY SCHEDULE
BEGIN CONSTRUCTION: JUNE 01, 2023
END CONSTRUCTION: DECEMBER 01, 2023

SEE SHEET SERIES C-4 FOR EROSION AND SEDIMENTATION CONTROL PLANS

SPILL PREVENTION AND CONTROL NOTES:

1) PETROLEUM PRODUCTS: ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

2) FERTILIZERS: FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A CLEAN, DRY PLACE. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

3) PAINTS: ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

4) AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.

5) ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS.

6) PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.

7) SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.

8) WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

9) MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

10) THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

11) THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:

- A. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RE-SEALABLE.
- B. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED.
- C. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

12) MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

13) MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS AS APPROPRIATE.

14) ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

15) THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

16) SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.

17) THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM RE-OCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

18) THE CONTRACTOR RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. ANY SPILL SHALL BE REPORTED TO HIM FOR IMMEDIATE ACTION AS SOON AS THE SPILL IS DISCOVERED.

19) THERE WILL BE A CONCRETE WASH AREA ON-SITE AND IT SHALL BE LOCATED IN AN UPLAND AREA AWAY FROM DRAINAGE AREAS. CONTAIN WITH BARRICADES IF STORAGE IS CONDUCTED ON-SITE.

- A. IF STORED LIQUIDS HAVE NOT EVAPORATED AND THE WASHOUT IS NEARING CAPACITY, VACUUM AND DISPOSE OF THEM IN AN APPROVED MANNER. CONCRETE WASH WATER IS NOT ALLOWED IN THE SANITARY SYSTEM.
- B. REMOVE LIQUIDS OR COVER THE STRUCTURES BEFORE PREDICTED RAINSTORMS TO PREVENT OVERFLOWS. CONTRACTOR CAN REMOVE HARDENED SOLIDS WHOLE OR BREAK THEM UP.
- C. CONTRACTOR CAN REUSE THE SOLIDS ONSITE OR HAUL THEM AWAY FOR RECYCLING.
- D. WHEN MATERIALS ARE REMOVED FROM THE CONCRETE WASHOUT, BUILD A NEW STRUCTURE OR, IF THE PREVIOUS STRUCTURE IS STILL INTACT, INSPECT THE STRUCTURE FOR SIGNS OF WEAKENING OR DAMAGE AND MAKE ANY NECESSARY REPAIRS. LINE THE STRUCTURE WITH NEW PLASTIC THAT IS FREE OF HOLES OR TEARS AND REPLACE SIGNAGE IF NECESSARY.

20) THE PERMITTEE SHALL PREPARE, IMPLEMENT, AND MAINTAIN A SPILL PREVENTION, CONTROL AND COUNTERMEASURES (SPCC) PLAN IN ACCORDANCE WITH 40 CFR PART 112 AND ADEM ADMIN CODE r.335-6-.12(r) FOR ALL APPLICABLE ONSITE PETROLEUM STORAGE TANKS. THE PERMITTEE SHALL ALSO PREPARE, IMPLEMENT, AND MAINTAIN A SPCC PLAN IN ACCORDANCE WITH ADEM ADMIN CODE r.335-6-6-.12(r) FOR ANY STORED POLLUTANT(S) THAT MAY, IF SPILLED, BE REASONABLY EXPECTED TO ENTER A WATER OF THE STATE OR THE COLLECTION SYSTEM FOR A PUBLICLY OR PRIVATELY OWNED TREATMENT WORKS. THE SPCC PLAN(S) SHALL BE MAINTAINED AS A SEPARATE DOCUMENT OR AS PART OF THE CBMPP PLAN. THE PERMITTEE SHALL IMPLEMENT APPROPRIATE STRUCTURAL AND/OR NON-STRUCTURAL SPILL PREVENTION, CONTROL, AND/OR MANAGEMENT SUFFICIENT TO PREVENT ANY SPILL OF POLLUTANTS FROM ENTERING A WATER OF THE STATE OR A PUBLICLY OR A PRIVATELY OWNED TREATMENT WORKS. THE PLAN(S) MUST BE CONSISTENT WITH THE REQUIREMENTS OF 40 CFR PART 112 AND/OR ADEM ADMIN CODE r.335-6-6-.12(r). ANY CONTAINMENT SYSTEM USED TO IMPLEMENT THIS REQUIREMENT SHALL BE CONSTRUCTED OF MATERIALS COMPATIBLE WITH THE SUBSTANCE(S) TO BE CONTAINED AND OF MATERIALS WHICH SHALL PREVENT THE CONTAMINATION OF GROUNDWATER AND SHALL BE CAPABLE OF RETAINING 110% OF THE VOLUME OF THE LARGEST CONTAINER OF POLLUTANTS FOR WHICH THE CONTAINMENT SYSTEM IS PROVIDED. THE PERMITTEE SHALL MAINTAIN ONSITE OR HAVE READILY AVAILABLE SUFFICIENT OIL AND GREASE ABSORBING MATERIAL AND FLOTATION BOOMS TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS. SOIL CONTAMINATED BY PAINT OR CHEMICAL SPILLS, OIL SPILLS, ETC. MUST BE IMMEDIATELY CLEANED UP, REMEDIATED, OR BE REMOVED AND DISPOSED OF IN AN ADEM APPROVED MANNER.

21) ALL POLLUTANTS FROM EQUIPMENT/VEHICLE WASHING SHALL BE CONTAINED AND PROPERLY DISPOSED OF.

SITE DETAILS:

1) NATURE OF THE CONSTRUCTION ACTIVITY = DEMOLITION, CLEARING & GRUBBING, AND RETAIL DEVELOPMENT

2) TOTAL AREA OF THE SITE = 1.02 ACRES

3) TOTAL DISTURBED AREA OF THE SITE = 1.14 ACRES

4) PRE-DEVELOPMENT CURVE NUMBER = 69

5) POST-DEVELOPMENT CURVE NUMBER = 90

6) EXISTING TOPOGRAPHIC MAP = SEE SHEET SERIES V-1

7) PLAN INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER MAJOR GRADING ACTIVITIES = SEE SHEET C-2

8) PLAN INDICATING AREAS OF SOIL DISTURBANCE = SEE SHEET SERIES C-2

9) SEE SHEET C-2.1 AND SERIES C-4 FOR ALL STRUCTURAL AND NONSTRUCTURAL BMP'S.

10) IDENTIFICATION OF RECEIVING WATER(S) = TRIBUTARY OF MOORES MILL CREEK.

11) DRAINAGE SYSTEM THAT THE SITE IS DISCHARGING TO= CITY OF AUBURN

12) BUFFERED STATE WATERS PRESENT ON SITE = N/A

13) WETLAND ACREAGE AT THE SITE = 0 ACRES TOTAL

14) NO PORTION OF THE SUBJECT PROPERTY LIES WITHIN A 100 YEAR FLOOD HAZARD AREA PER FIRM MAP NUMBER 01081C0202G DATED 11/02/2011

15) NAMES AND ADDRESSES OF ALL SECONDARY PERMITTEES = N/A

16) DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE = SEE SHEET C-2.1 AND SERIES C-4

17) DISCHARGE POINT: LATITUDE=32°36'12.37"N, LONGITUDE=85°26'32.44"W (DETERMINED FROM USGS TOPOGRAPHIC MAP)

18) RECEIVING POINT: LATITUDE=32°36'00.07"N, LONGITUDE=85°26'35.56"W

19) PRIMARY SIC CODE= 1542; PRIMARY NAICS = 236220

20) POLLUTANTS CAUSING IMPAIRMENT OF RECEIVING WATERS AND SPECIFIC REQUIREMENTS IN THE TMDL(S) THAT ARE APPLICABLE TO CONSTRUCTION SITES = SILTATION (HABITAT ALTERATION)

21) OUTSTANDING ALABAMA WATERS (OAW) OR OUTSTANDING NATURAL RESOURCE WATERS (ONRW) = NO

22) POTENTIAL SOURCES OF SEDIMENT OR POLLUTANTS TO STORMWATER RUNOFF = LAND DEVELOPMENT, URBAN RUNOFF, AND STORM SEWERS

ENGINEER:

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Foresite Group, LLC
2128 Moores Mill Rd.
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f | 334.887.6024
w | www.foresitegroup.net

DEVELOPER:

THE VILLAGE AT SAMFORD TRACE, LLC
PO BOX 628
AUBURN, AL 36830
(334) 559-1974

CONTACT: PAVAN REDDY & MIKE ELLIS

PROJECT:

SAMFORD TRACE BUILDING 3 & 4

1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

No. 32010
WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	AS SHOWN

TITLE:

CBMPP NOTES

SHEET NUMBER:

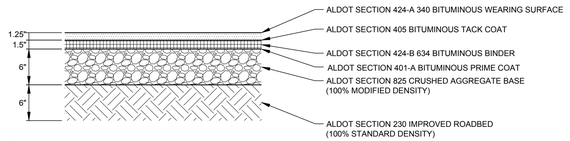
C-4.3

COMMENTS:

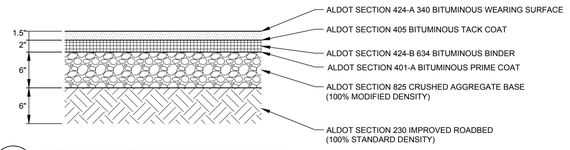
RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER:

1729.003

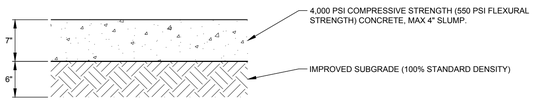


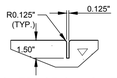
1 C-5 STANDARD DUTY ASPHALT PAVING
NOT TO SCALE



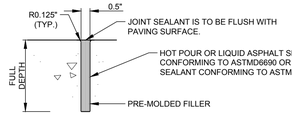
2 C-5 HEAVY DUTY ASPHALT PAVING
NOT TO SCALE

NOTE:
UNLESS OTHERWISE NOTED ON PLANS, CONTRACTION JOINTS TO BE SAWCUT AT 12'-0" O.C. MAX AND ISOLATION JOINTS TO BE ADJACENT TO CURB AND GUTTER, CHANGE OF DIRECTION, OTHER WALK, UTILITY APPURTENANCE, COLD JOINTS, OR FACE OF STRUCTURE.





CONTRACTION JOINT

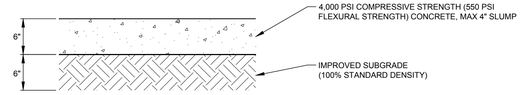


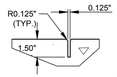
ISOLATION JOINT

NOTE:
1. DETAIL REFLECTS HEAVY DUTY CONCRETE PAVING RECOMMENDATION BY PROJECT GEOTECHNICAL ENGINEER.
2. A TACK COAT SHALL BE APPLIED BETWEEN THE H/D SECTION AND THE ON-SITE ASPHALT SECTION.
3. CONCRETE CONTRACTION JOINTS SHALL BE LOCATED AT NO LESS THAN 12' ON CENTER. THE JOINTS SHALL EXTEND TO A DEPTH 1/4 OF THE SLAB THICKNESS. IF SAW CUTTING THE JOINTS IS TO BE EMPLOYED, THE JOINTS SHOULD BE CUT WHILE THE CONCRETE IS STILL "GREEN" AND AS SOON AFTER PLACEMENT AS THE EQUIPMENT CAN BE MOVED ONTO THE PAVEMENT WITHOUT DISTURBING THE CONCRETE FINISH.

3 C-5 HEAVY DUTY CONCRETE PAVING
NOT TO SCALE

NOTE:
UNLESS OTHERWISE NOTED ON PLANS, CONTRACTION JOINTS TO BE SAWCUT AT 12'-0" O.C. MAX AND ISOLATION JOINTS TO BE ADJACENT TO CURB AND GUTTER, CHANGE OF DIRECTION, OTHER WALK, UTILITY APPURTENANCE, COLD JOINTS, OR FACE OF STRUCTURE.





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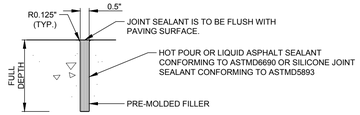
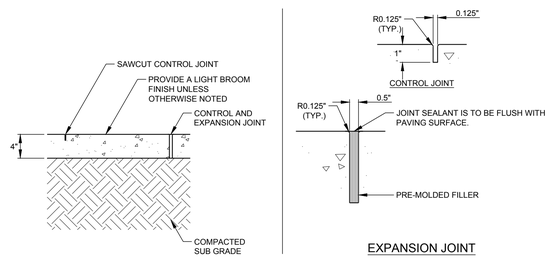


ISOLATION JOINT

NOTE:
1. DETAIL REFLECTS HEAVY DUTY CONCRETE PAVING RECOMMENDATION BY PROJECT GEOTECHNICAL ENGINEER.
2. A TACK COAT SHALL BE APPLIED BETWEEN THE ON-SITE ASPHALT SECTION.
3. CONCRETE CONTRACTION JOINTS SHALL BE LOCATED AT NO MORE THAN 12' ON CENTER. THE JOINTS SHALL EXTEND TO A DEPTH 1/4 OF THE SLAB THICKNESS. IF SAW CUTTING THE JOINTS IS TO BE EMPLOYED, THE JOINTS SHOULD BE CUT WHILE THE CONCRETE IS STILL "GREEN" AND AS SOON AFTER PLACEMENT AS THE EQUIPMENT CAN BE MOVED ONTO THE PAVEMENT WITHOUT DISTURBING THE CONCRETE FINISH. (WITHIN 2-12 HOURS OF POURING CONCRETE)

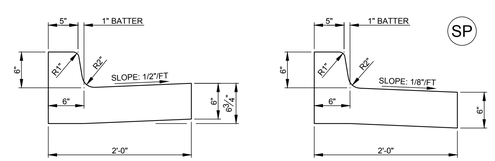
4 C-5 STANDARD DUTY CONCRETE PAVING
NOT TO SCALE



EXPANSION JOINT

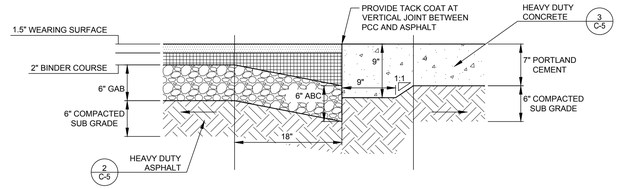
NOTE:
1. UNLESS OTHERWISE INDICATED, PREFORMED EXPANSION JOINTS TO BE 40'-0" O.C. MAX. OR AT BACK OF CURB, CHANGE OF DIRECTION, OTHER WALK UTILITY APPURTENANCE, OR FACE OF STRUCTURE.
2. UNLESS OTHERWISE INDICATED, CONTROL JOINTS AT 5'-0' O.C..
3. ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 1/4" PER FT.

5 C-5 CONCRETE SIDEWALK
NOT TO SCALE



NOTE:
1. 1/2" PRE FORMED EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND RADIUS POINTS.
2. MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS = 40.0'
3. MAXIMUM DISTANCE DUMMY JOINTS = 10.0'
4. CONCRETE STRENGTH = 3000 P.S.I., SLOPE = 2" MAX. FINISH SHALL BE SMOOTHED AND EVENED WITH WOODEN FLOAT.

6 C-5 24" CONCRETE CURB AND GUTTER
NOT TO SCALE



7 C-5 HEAVY DUTY ASPHALT / CONCRETE TRANSITION
NOT TO SCALE

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CONTACT: PAVAN REDDY & MIKE ELLIS

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AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:
ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH
6/26/23

REVISIONS	DATE
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PROJECT MANAGER:	SWT
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PAVING DETAILS

SHEET NUMBER:
C-5

COMMENTS:
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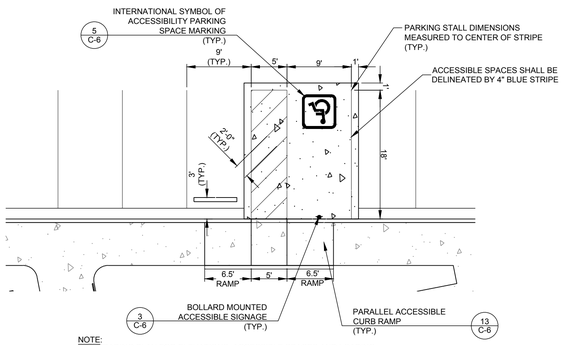
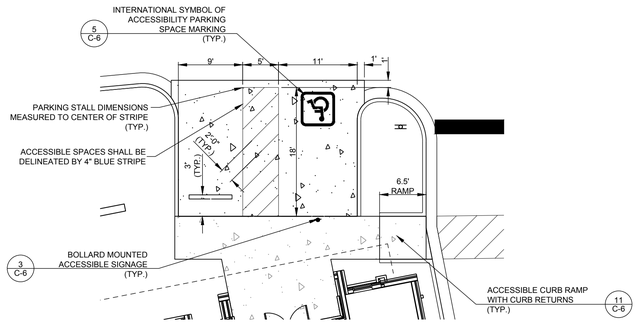
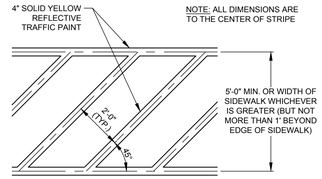


NOTE:
SEE GRADING PLAN FOR ELEVATIONS. ACCESSIBLE SPACES AND LOADING AREAS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION

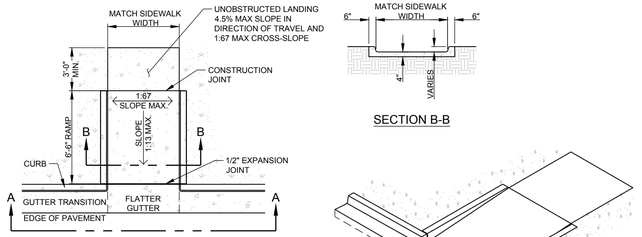
1 C-6 ACCESSIBLE PARKING
NOT TO SCALE

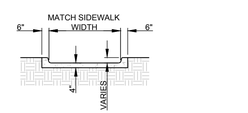




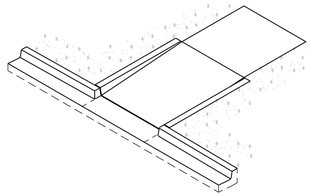
NEW PAVEMENT STRIPING PER CVS SPEC UPDATE CSU02-15. CONTRACTOR SHALL ALLOW A MINIMUM OF 1 WEEK FOR PAVING TO CURE BEFORE FINAL STRIPING

10 C-6 CROSSWALK STRIPING
NOT TO SCALE



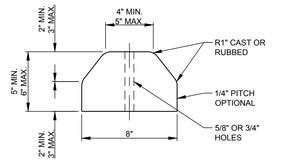


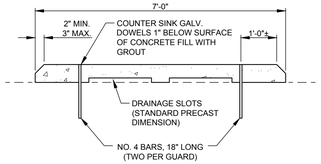
SECTION B-B

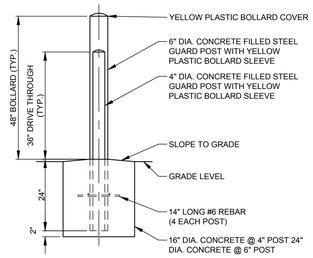


NOTE:
IN AREAS WHERE THE GUTTER HAS A SLOPE EXCEEDING 4.5% END NORMAL GUTTER SLOPE AT A DISTANCE OF 6 TO 10 FEET FROM THE RAMP AND BEGIN TRANSITION TO A FLATTER GUTTER (4.5% SLOPE MAX.) NORMAL GUTTER SLOPE SHALL BE RESUMED AT A SIMILAR DISTANCE BEYOND THE RAMP

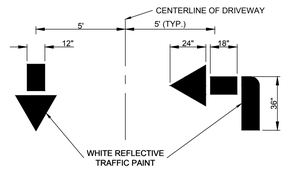
11 C-6 ACCESSIBLE CURB RAMP
NOT TO SCALE





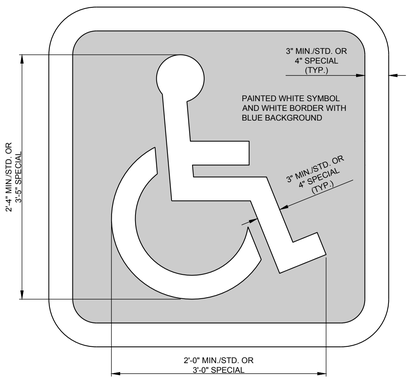


4 C-6 BOLLARD
NOT TO SCALE

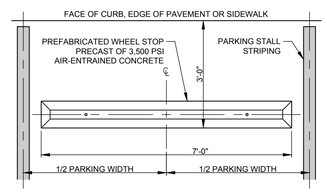


CONTACT THE CONSTRUCTION PROJECT MANAGER FOR MORE INFORMATION

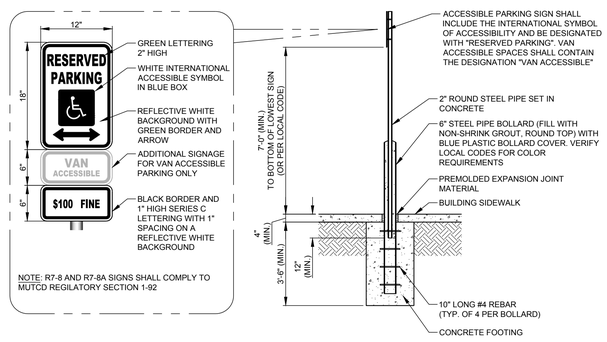
7 C-6 DRIVEWAY TRAFFIC FLOW DIRECTIONAL ARROW
NOT TO SCALE



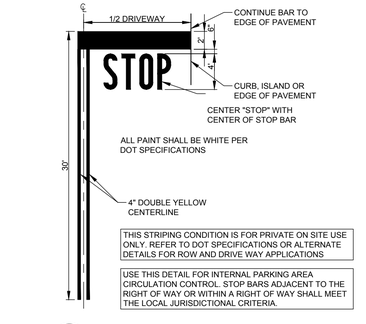
5 C-6 INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING SPACE MARKING
NOT TO SCALE



2 C-6 CONCRETE WHEEL STOP
NOT TO SCALE



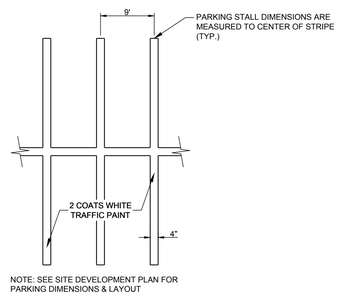
3 C-6 BOLLARD ACCESSIBLE SIGNAGE
NOT TO SCALE



6 C-6 STOP BAR AND LABEL STRIPING
NOT TO SCALE

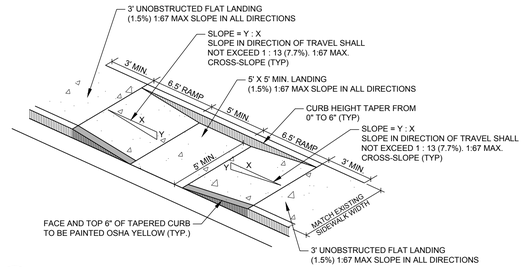
CONTACT THE CONSTRUCTION PROJECT MANAGER FOR MORE INFORMATION

8 C-6 DRIVE THROUGH MARKING
NOT TO SCALE



NOTE: SEE SITE DEVELOPMENT PLAN FOR PARKING DIMENSIONS & LAYOUT

9 C-6 PAVEMENT STRIPING
NOT TO SCALE



12 C-6 PARALLEL ACCESSIBLE CURB RAMP
NOT TO SCALE

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PO BOX 628
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(334) 559-1974

CONTACT: PAVAN REDDY & MIKE ELLIS

PROJECT:

SAMFORD TRACE BUILDING 3 & 4

1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	AS SHOWN
TITLE:	

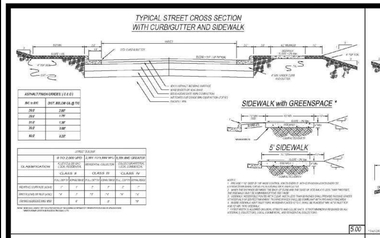
CONSTRUCTION DETAILS

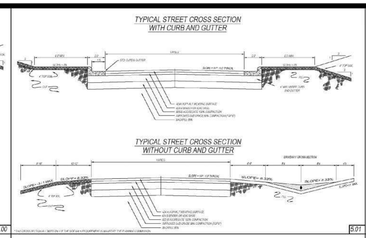
SHEET NUMBER:

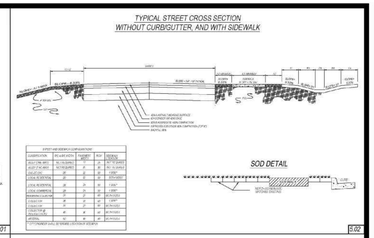
C-6

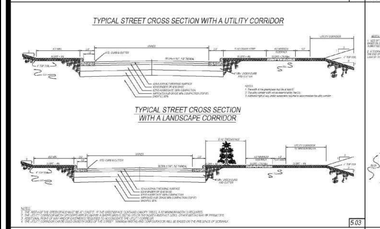
COMMENTS:
RELEASED FOR CONSTRUCTION

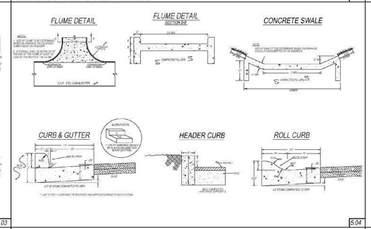
JOB/FILE NUMBER: 1729.003

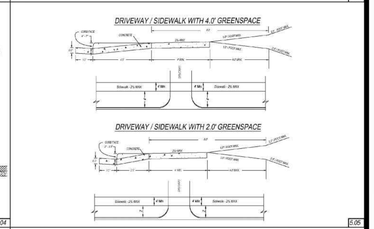


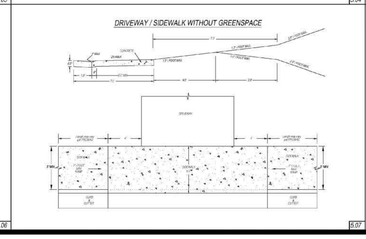


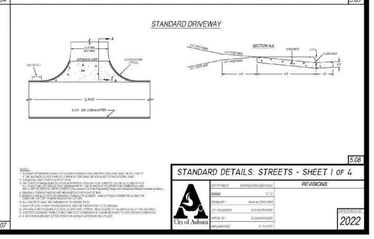


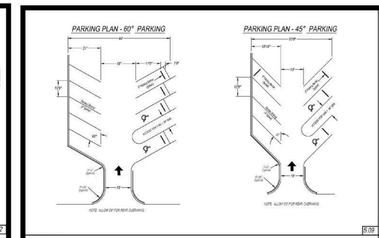


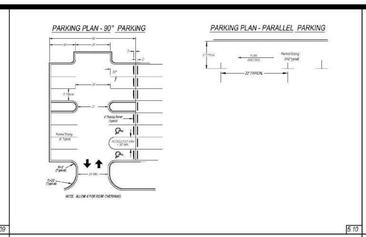


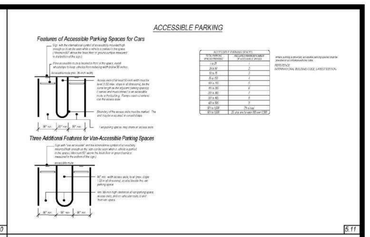


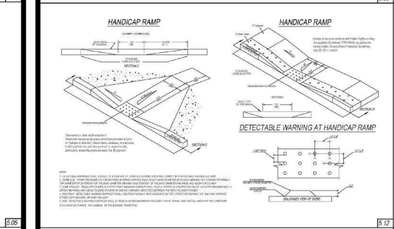


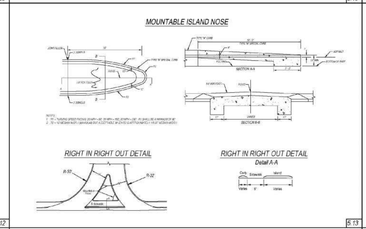


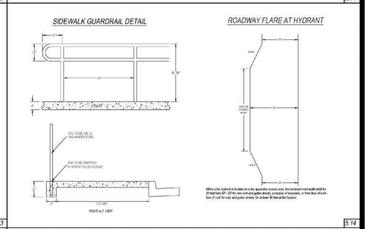


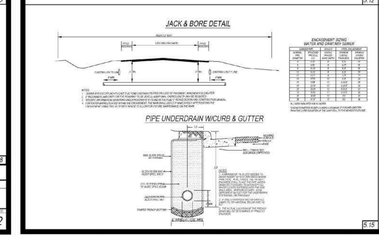


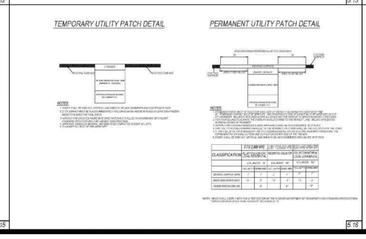


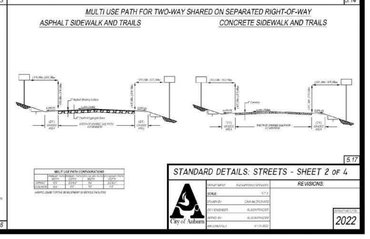


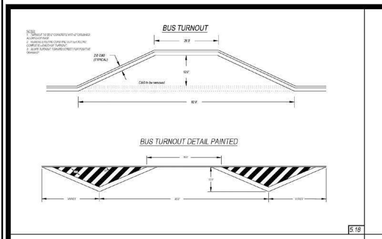


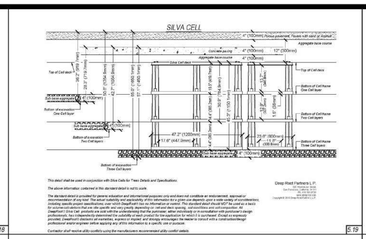


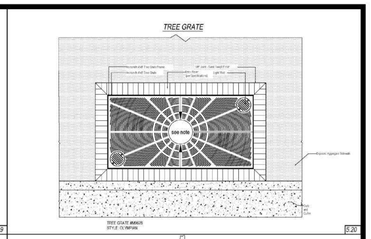


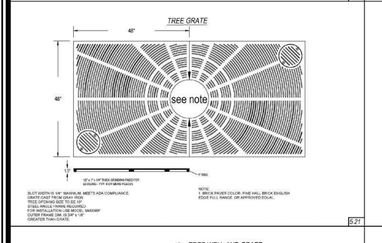


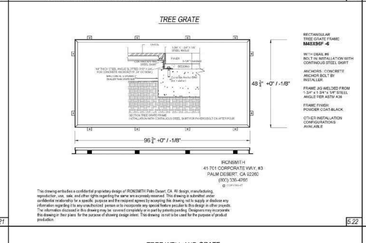


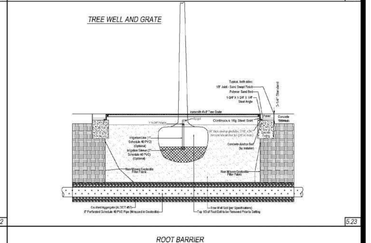


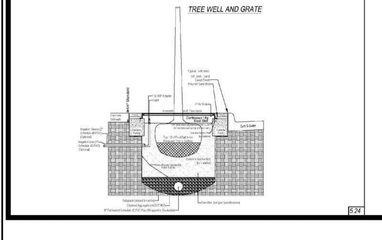


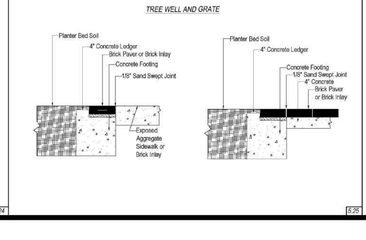


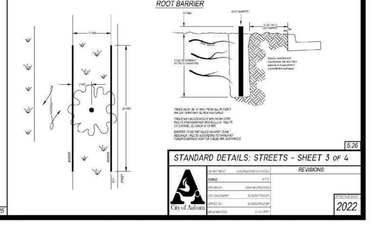


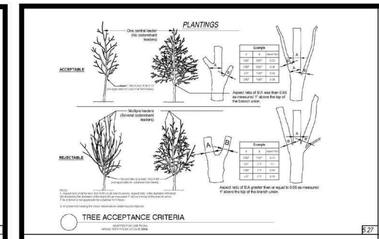


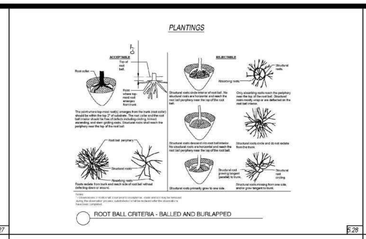


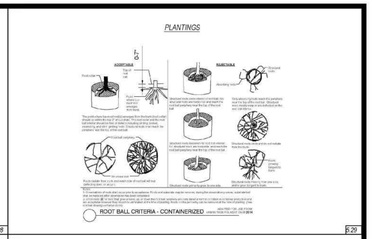


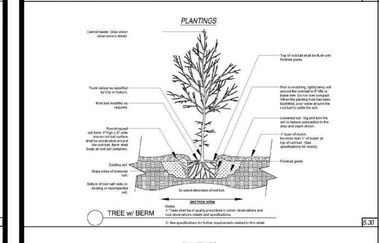


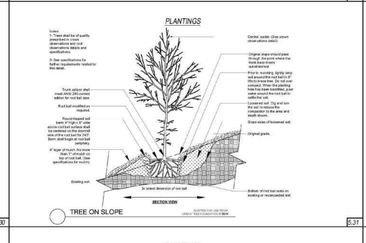


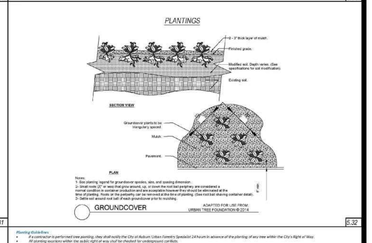


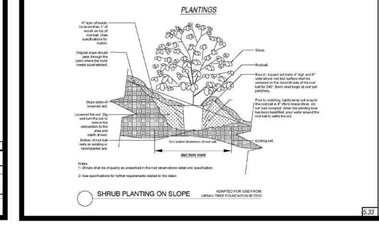


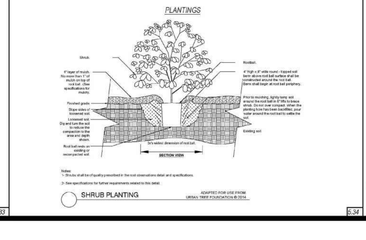












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DEVELOPER:

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CONTACT: PAVAN REDDY & MIKE ELLIS

PROJECT:

SAMFORD TRACE BUILDING 3 & 4

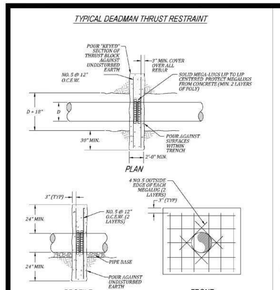
1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

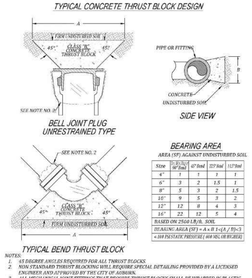
SEAL:

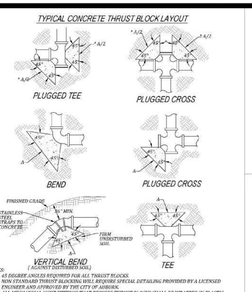
ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH 6/26/23

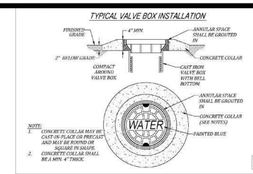
REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

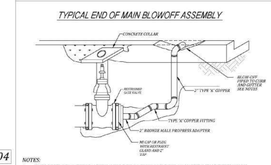
PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	AS SHOWN
TITLE:	CITY OF AUBURN STREET DETAILS
SHEET NUMBER:	C-7
COMMENTS:	RELEASED FOR CONSTRUCTION
JOB/FILE NUMBER:	1729.003

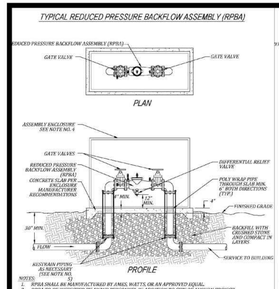


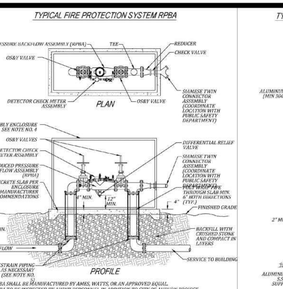


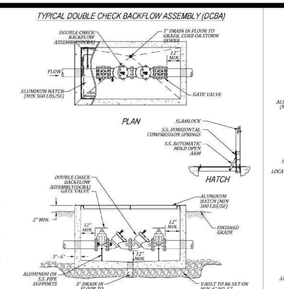


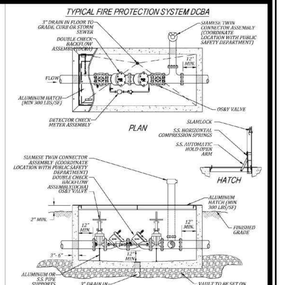


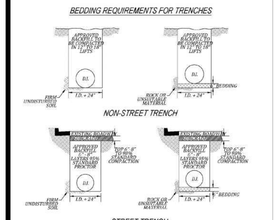


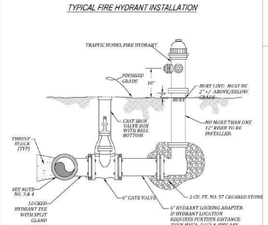


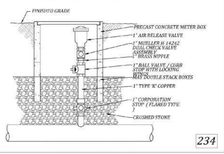


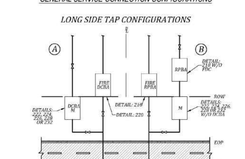


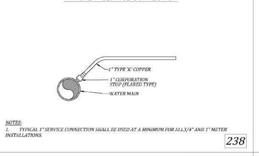


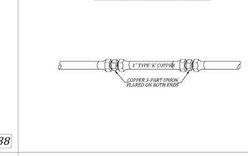


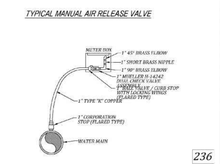


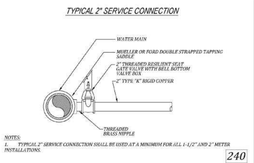


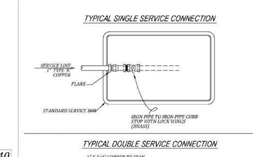


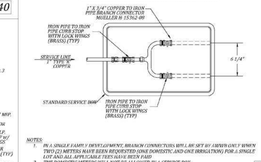


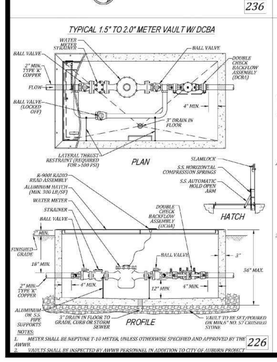


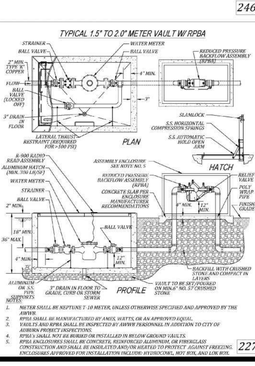


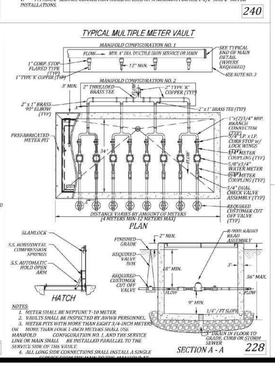


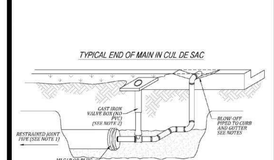


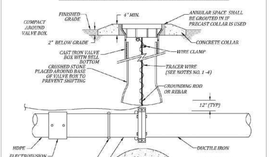












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CONTACT: PAVAN REDDY & MIKE ELLIS

PROJECT:

SAMFORD TRACE BUILDING 3 & 4

1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

No. 32010
WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER: SWT
DRAWING BY: JMR
JURISDICTION: AUBURN, AL
DATE: 2/15/2023
SCALE: AS SHOWN

TITLE:

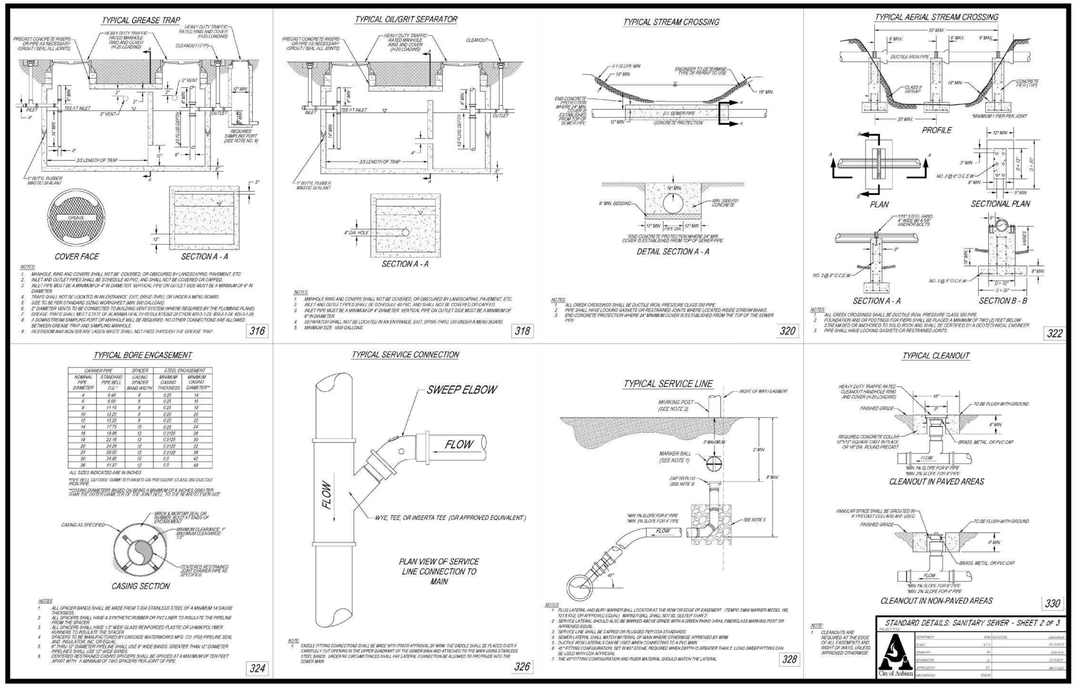
CITY OF AUBURN WATER DETAILS

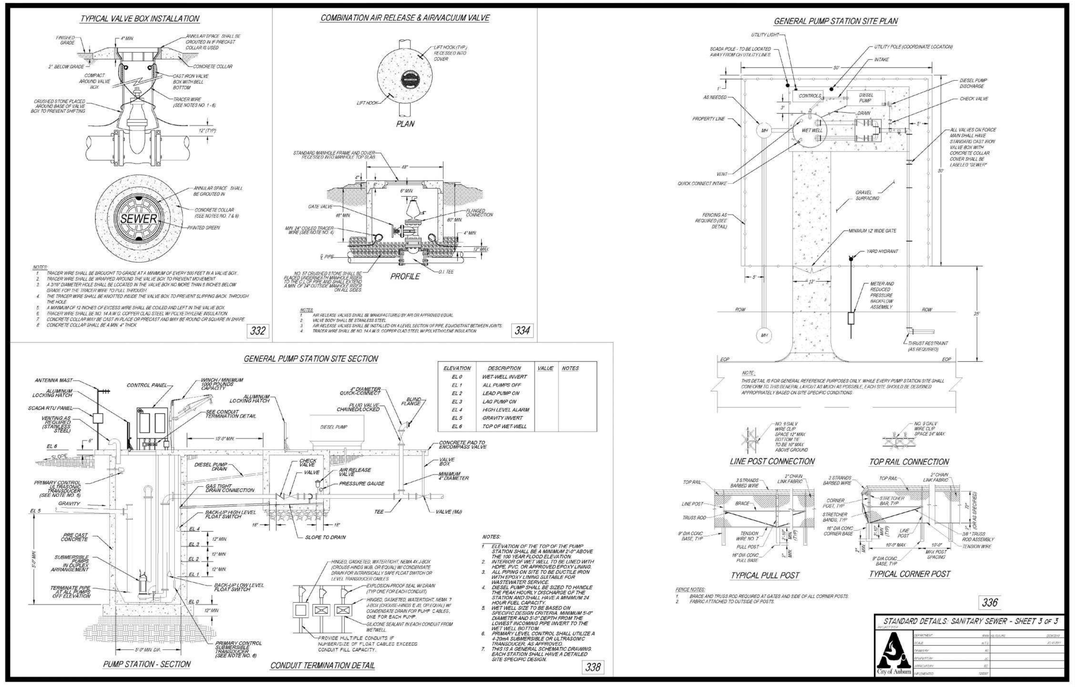
SHEET NUMBER:

C-8

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003





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PROJECT:
SAMFORD TRACE BUILDING 3 & 4
1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:
ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	AS SHOWN
TITLE:	

CITY OF AUBURN SANITARY SEWER DETAILS

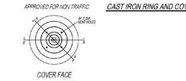
SHEET NUMBER:
C-9

COMMENTS:
RELEASED FOR CONSTRUCTION

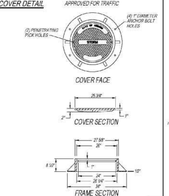
JOB/FILE NUMBER:
1729.003

CAST IRON RING AND COVER DETAIL

APPROVED FOR HOV TRAFFIC

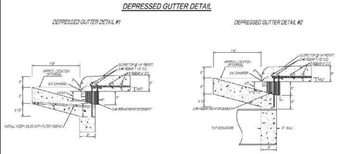


APPROVED FOR TRAFFIC



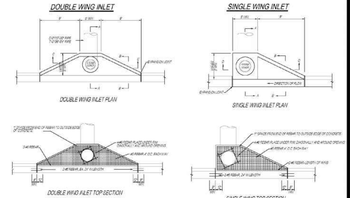
T.00

DEPRESSED GUTTER DETAIL



T.01

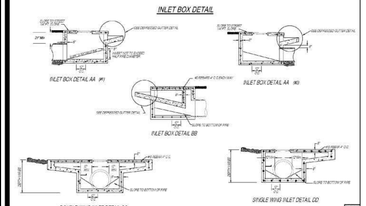
DOUBLE WING INLET



SINGLE WING INLET

T.02

INLET BOX DETAIL



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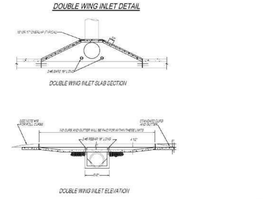
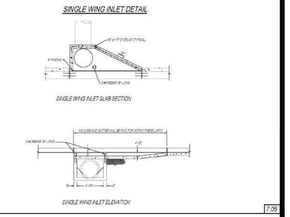
DOUBLE WING INLET DETAIL



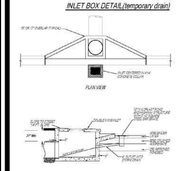
T.04

SINGLE WING INLET DETAIL

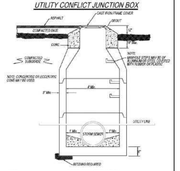


T.05

INLET BOX DETAIL(temporary drain)

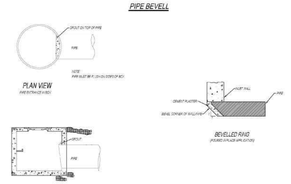


UTILITY CONFLICT JUNCTION BOX



T.06

PIPE BEVELL



T.07

NOTES

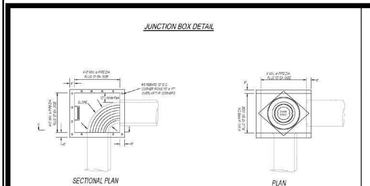
T.08

STANDARD DETAILS: STORM - SHEET 1 of 2

REVISIONS

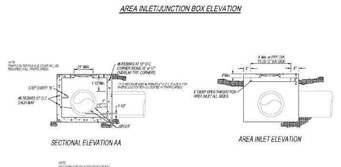
2022

JUNCTION BOX DETAIL



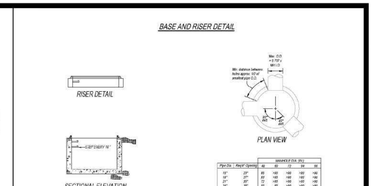
T.09

AREA INLET/JUNCTION BOX ELEVATION



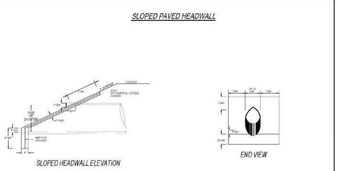
T.10

BASE AND RISER DETAIL



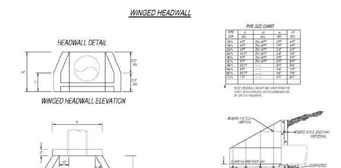
T.11

SLOPED PAVED HEADWALL



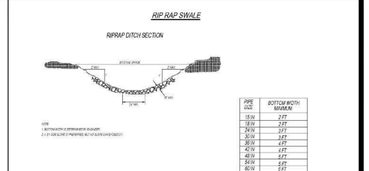
T.12

WINGED HEADWALL



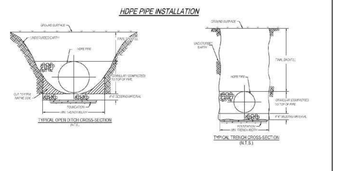
T.13

RIP RAP SWALE



T.14

HDPE PIPE INSTALLATION



T.15

HDPE PIPE INSTALLATION

T.16

STANDARD DETAILS: STORM - SHEET 2 OF 2

REVISIONS

2022

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ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH

6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	AS SHOWN
TITLE:	

CITY OF AUBURN STORM DETAILS

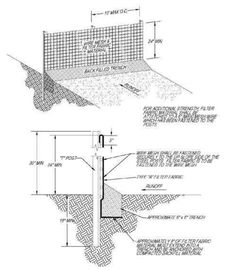
SHEET NUMBER:

C-10

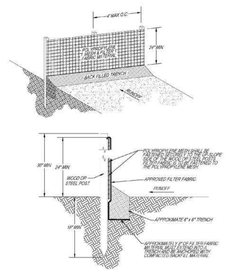
COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

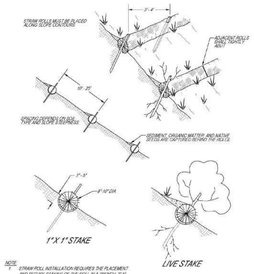
SILT FENCE W/ WIRE MESH (ALDOT TYPE A)



SILT FENCE W/ POLYPROPYLENE MESH (GDOT TYPE C)

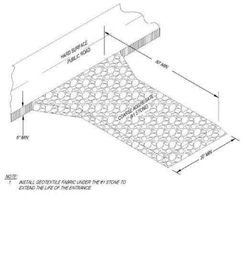


STRAW ROLL



NOTE:
1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP (USE ON CONTOUR). FLOW IN WILL NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

CONSTRUCTION EXIT PAD (CEP)



NOTE:
1. INSTALL GEOTEXTILE FABRIC UNDER THE #1 STONE TO EXTEND THE LIFE OF THE ENTRANCE.

SILT FENCE W/ WIRE MESH (ALDOT TYPE A)

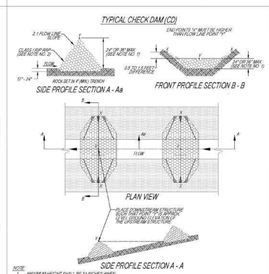
SLOPE INSTALLATION

NOTES:
1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15.0 CM) W, WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE TOP END OF RECP'S.
3. ROLL THE RECP'S (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT'S TYPE 3 STAPLE PATTERN GUIDE, WHEN USING THE DOT'S TYPE 7 STAPLE PATTERN GUIDE. WHEN USING THE DOT'S TYPE 7 STAPLE PATTERN GUIDE, WHEN USING THE DOT'S TYPE 9 STAPLE PATTERN GUIDE, WHEN USING THE DOT'S TYPE 10 STAPLE PATTERN GUIDE, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS (CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN).
4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2"- 5" (5-CM-12 CM) OVERLAP DEPENDING ON THE RECP'S TYPE.
5. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 3" (7.5 CM) OVERLAP. USE A DOUBLE ROW OF STAPLES/STAKES SPACED APPROXIMATELY 4" (10 CM) APART ACROSS ENTIRE WIDTH OF OVERLAPPED AREA.
6. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE/STAKE LENGTHS GREATER THAN 8" (20 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.
7. INSTALLATION OF RECP'S IN CHANNELS SHOULD BE ACCORDING TO THE CLASSIFICATION OF CHANNEL GIVEN IN TABLES ECB 1, ECB 2, ECB 3, AND ECB 4 OF THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS (LATEST EDITION).

CHANNEL INSTALLATION

NOTES:
1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE RECP'S IN A 6" (15.0 CM) W, WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE TOP END OF RECP'S.
3. ROLL CENTER RECP'S IN DIRECTION OF WATER FLOW OR PLACE RECP'S IN CHANNELS WITH THE LEAST AMOUNT OF POSSIBLE SEAMS. ROLL RECP'S (WILL) (WILL) WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT'S TYPE 3 STAPLE PATTERN GUIDE, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS (CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN).
4. PLACE CONSECUTIVE RECP'S (END-OVER-END) (SHINGLE STYLE) WITH A 4", 5" (10 CM-12 CM) OVERLAP. USE A DOUBLE ROW OF STAPLES/STAKES STAGGERED 4" APART AND 4" ON CENTER FOR EACH OVERLAPPED AREA.
5. FULL LENGTH EDGES OF RECP'S AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 5" APART IN A 6"(15.0 CM) W, BEE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. (OPTIONAL) CHECK SLOTS MAY BE PLACED ACROSS THE SLOPE AT INTERVALS NOT EXCEEDING 25' (7.5 M) APART.
6. IN WIDER CHANNELS, WHEN STAPLING USE A STAPLE CHECK SLOTS RECOMMENDED AT SIX TO EIGHT INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
7. THE TERMINAL ENDS OF THE RECP'S MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" (15.0 CM) W, BEE TRENCH.
8. IN A SHALLOW "V" SHAPE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
9. INSTALLATION OF RECP'S IN CHANNELS SHOULD BE DONE BY USING LENGTHS OVER EACH THAT MAY BE NECESSARY TO PREVENT UNDERCUTTING.
10. HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.
11. RECP'S SHALL BE IDENTIFIED AND DESIGNED ACCORDING TO THE SLA EROSION CONTROL DESIGNATION SEEN IN TABLES ECB 1, ECB 2, ECB 3, AND ECB 4 OF THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS (LATEST EDITION).

TYPICAL CHECK DAM (CD)



NOTE:
1. MAXIMUM WEIGHT SHALL BE 24 INCHES WHEN DRAINAGE AREA ALLESS THAN 5 ACRES AND 36 INCHES WHEN DRAINAGE AREA IS 5 TO 10 ACRES.
2. RIP-RAP SHOULD BE SHALL CONFORM TO THE REQUIREMENTS OF CLASS 1 RIP-RAP, ALABAMA HIGHWAY DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.

C.M. DRAIN SPANS	DOWNSTREAM SLOPE OF STRUCTURE (FT/FT)					
	0.05	0.06	0.08	0.10	0.15	0.20
	MAXIMUM WATER DEPTH OVER ROCK (INCHES)					
2	21	21	21	21	21	21
3	14	14	14	14	14	14
4	11	11	11	11	11	11

RECOMMENDED ROCK SIZE: #50 FOR CLASS "B"

EROSION CONTROL NOTES

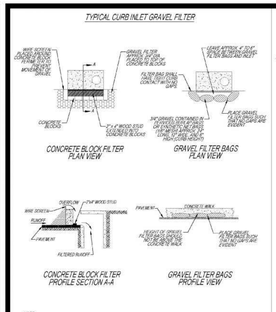
1. A CLOSE PROTECTION PAD MUST BE INSTALLED AT ALL POINTS OF INGRESS/EGRESS TO THE SITE.
2. EROSION CONTROL BLANKETS AND MATTING SHOULD BE USED ON STEEP SLOPES AND AS NECESSARY IN CONJUNCTION WITH PERMANENT SEEDING.
3. MULCH ALL BARE AREAS IMMEDIATELY FOLLOWING INITIAL GRADING PROCEDURES.
4. BARS SHALL BE INSPECTED AT LEAST MONTHLY AND WITHIN 24 HOURS OF RAIN EVENTS OF 0.75 INCHES OR GREATER. MAINTENANCE AND REPAIR MUST BE MADE AS NEEDED. ALL INSPECTIONS SHALL BE DOCUMENTED IN WRITING. COPIES OF THE INSPECTION REPORTS SHALL BE KEPT ON SITE. COPIES OF ALL INSPECTION REPORTS SHALL BE SUBMITTED TO THE CITY OF AUBURN WATER RESOURCES MANAGEMENT DEPARTMENT, ATTN: WATERSHED DIVISION, 1501 WEST SAMFORD AVENUE, AUBURN, ALABAMA 36832.
5. TEMPORARY SEEDING IF EXISTS/NEED WORK SHOULD BE IMPLEMENTED WHENEVER DISTURBED SOIL AREAS WILL NOT BE BROUGHT TO FINISHED GRADE FOR A PERIOD OF 14 DAYS OR MORE.
6. THESE STANDARD DETAILS SHALL BE APPLICABLE TO ALL LAND DISTURBING ACTIVITIES AND ATTACHED TO THE RELEVANT SITE PLAN AND/OR SUBDIVISION DRAWINGS.
7. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE/FUNCTIONING BEFORE THE BEGINNING OF LAND DISTURBING ACTIVITIES. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR/OWNER/DEVELOPER/ENGINEER/ARCHITECT AND SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
8. SILT FENCE, REMOVE ACCUMULATED SEDIMENT WHEN DEPTH REACHES ½ THE HEIGHT OF THE BARRIER.

STANDARD DETAILS: EROSION CONTROL - SHEET 1 of 3

City of Auburn

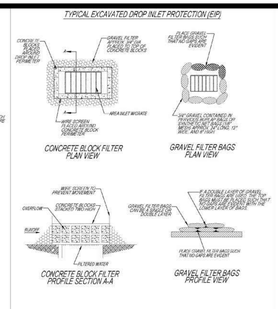
SECRETARY	ATTEST/SEAL	DATE ISSUED
ENGINEER	CITY CLERK	DATE ISSUED
ENGINEER	MAYOR	DATE ISSUED
APPROVED BY	DEPUTY CLERK	DATE ISSUED
APPROVED BY	DEPUTY CLERK	DATE ISSUED

TYPICAL CURB INLET GRAVEL FILTER



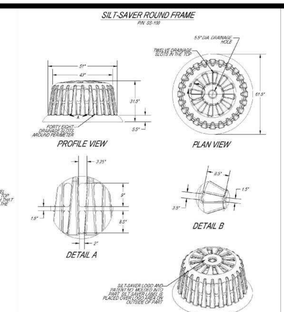
NOTE:
1. GRAVEL FILTERS CAN BE USED ON PAVEMENT OR BARE GROUND.

TYPICAL EXCAVATED DROP INLET PROTECTION (EIP)

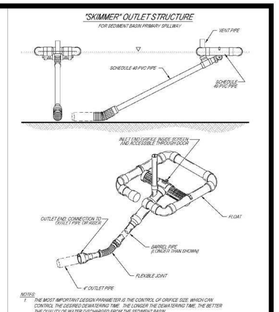


NOTE:
1. GRAVEL FILTERS CAN BE USED ON PAVEMENT OR BARE GROUND.

SILT-SAVER ROUND FRAME

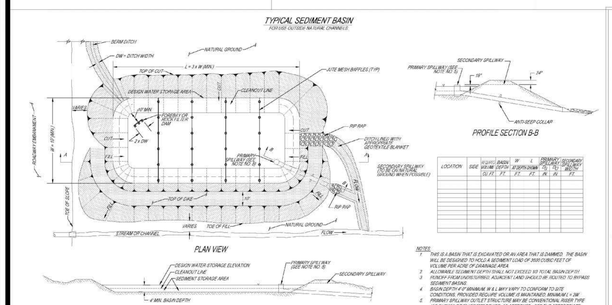


"SKIMMER" OUTLET STRUCTURE



NOTES:
1. THE MOST IMPORTANT DESIGN PARAMETER IS THE CONTROL OF ORIFICE SIZE, WHICH CAN CONTROL THE DESIRED DRAWDOWN TIME. THE LONGER THE DRAWDOWN TIME, THE BETTER THE QUALITY OF WATER DISCHARGED FROM THE SEDIMENT BASIN
2. SIZE OF ORIFICE IS TO BE DETERMINED BY THE ENGINEER.
3. SKIMMER SHALL BE DESIGNED IN ACCORDANCE WITH THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS (LATEST EDITION).

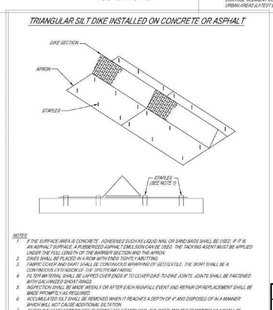
TYPICAL SEDIMENT BASIN



LOCATION	SIDE SLOPE (H:V)	BOTTOM WIDTH W	DEPTH D	SEDIMENT STORAGE VOLUME
		FT.	FT.	CU. YD.

NOTES:
1. THIS IS A BASIN THAT IS EXCAVATED OR AN AREA THAT IS DIAMKED. THE BASIN WILL BE DESIGNED TO HOLD A SEDIMENT LOAD OF 3600 CUBIC FEET OF STORAGE PER ACRE OF DRAINAGE AREA.
2. ACCUMULATED SEDIMENT DEPTH SHALL NOT EXCEED 1/2 TOTAL BASIN DEPTH.
3. PERIMETER SEDIMENT CONTROLS ADJACENT TO AND ACROSS DIVERSIONS, SWALES AND DITCHES SHALL BE INSTALLED.
4. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS REQUIRED.
5. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 4" AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.
6. THE SILT BASIN SHALL REMAIN IN PLACE UNTIL ALL THE DAMS HAVE ANY REMAINING SILT SHALL BE REMOVED. SEE STAKE #1 FOR DISPOSED OF AS INDICATED IN NOTE #5 ABOVE.

TRIANGULAR SILT DIKE INSTALLED ON CONCRETE OR ASPHALT



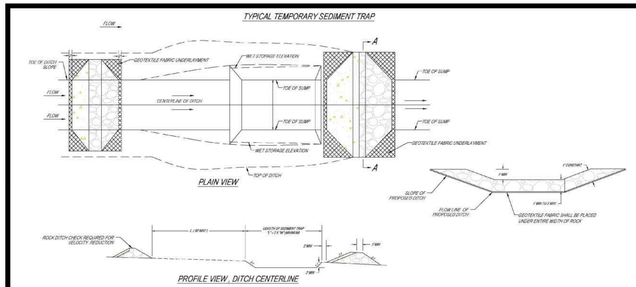
NOTES:
1. IF THE SURFACE AREA IS CONCRETE, ADHESIVES SUCH AS LIQUID NAIL OR SIMILAR SHALL BE USED. IF IS AN ASPHALT SURFACE A RUBBERIZED ASPHALT EMULSION CAN BE USED. THE TACKING AGENT MUST BE APPLIED UNDER THE FULL LENGTH OF THE BARRIER SECTION AND THE APRON.
2. STAKES SHALL BE PLACED AT A ROW WITH STAKES TIGHTLY ABUTTING.
3. FABRIC COVER AND SKIRT SHALL BE CONTINUOUS WRAPPING OF GEOTEXTILE. THE SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE STRUCTURE APRON.
4. FILTER MATERIAL SHALL BE LAPPED OVER ENDS IF TO OVERLAP AND TO PREVENT JOINTS. JOINTS SHALL BE FASTENED TOGETHER WITH STAPLES.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS REQUIRED.
6. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 4" AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.
7. THE SILT BASIN SHALL REMAIN IN PLACE UNTIL ALL THE DAMS HAVE ANY REMAINING SILT SHALL BE REMOVED. SEE STAKE #1 FOR DISPOSED OF AS INDICATED IN NOTE #5 ABOVE.

STANDARD DETAILS: EROSION CONTROL - SHEET 2 of 3

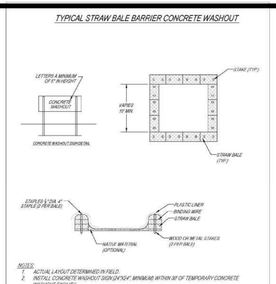
City of Auburn

SECRETARY	ATTEST/SEAL	DATE ISSUED
ENGINEER	CITY CLERK	DATE ISSUED
ENGINEER	MAYOR	DATE ISSUED
APPROVED BY	DEPUTY CLERK	DATE ISSUED
APPROVED BY	DEPUTY CLERK	DATE ISSUED

TYPICAL TEMPORARY SEDIMENT TRAP

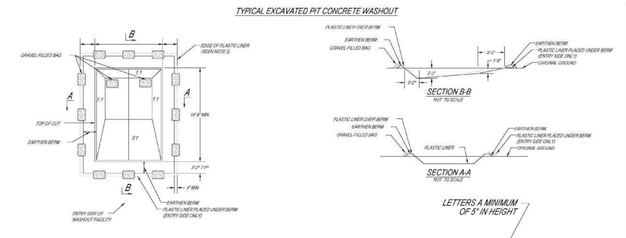


TYPICAL STRAW BALE BARRIER CONCRETE WASHOUT



NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN ON POST, MINIMUM, WITHIN 30' OF TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS , ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.
6. MUST BE LINED WITH A 10 MIL OR THICKER PLASTIC LINER.

TYPICAL EXCAVATED PIT CONCRETE WASHOUT



NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS , ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.
6. MUST BE LINED WITH A 10 MIL OR THICKER PLASTIC LINER.

STANDARD DETAILS: EROSION CONTROL - SHEET 3 of 3

City of Auburn

SECRETARY	ATTEST/SEAL	DATE ISSUED
ENGINEER	CITY CLERK	DATE ISSUED
ENGINEER	MAYOR	DATE ISSUED
APPROVED BY	DEPUTY CLERK	DATE ISSUED
APPROVED BY	DEPUTY CLERK	DATE ISSUED

ENGINEER:

FORESITE group

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2128 Moores Mill Rd.
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DEVELOPER:

THE VILLAGE AT SAMFORD TRACE, LLC
PO BOX 628
AUBURN, AL 36830
(334) 559-1974

CONTACT: PAVAN REDDY & MIKE ELLIS

PROJECT:

SAMFORD TRACE BUILDING 3 & 4

1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	AS SHOWN
TITLE:	

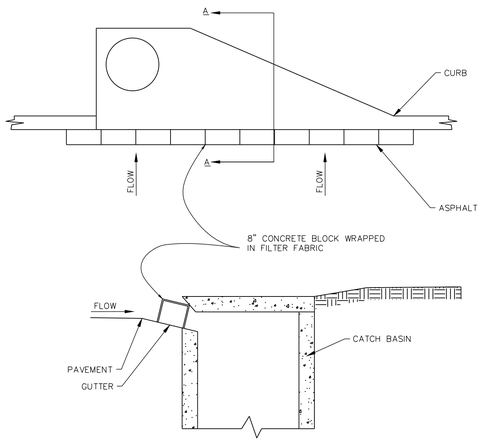
CITY OF AUBURN EROSION DETAILS

SHEET NUMBER:

C-11

COMMENTS: RELEASED FOR CONSTRUCTION

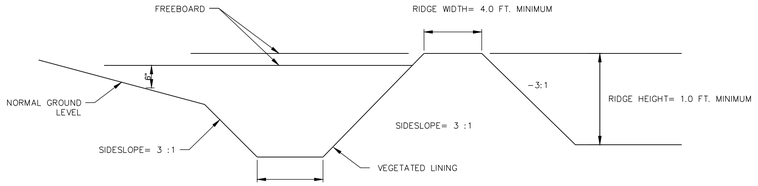
JOB/FILE NUMBER: 1729.003



SECTION A–A

NOTE:
INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.

BIP **BLOCK INLET PROTECTION**
NOT TO SCALE



BOTTOM WIDTH= 1.0 FT. MINIMUM

1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIVERSION.

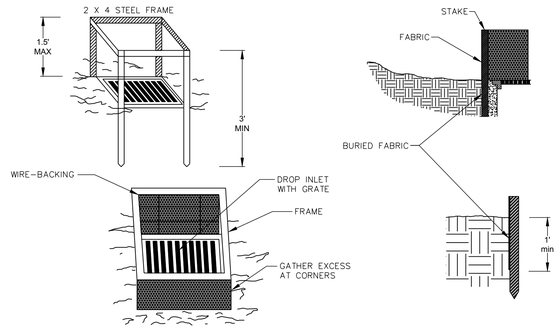
2. THE DIVERSION SHALE BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND FREE OF IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.

3. ALL FILLS SHALL BE MACHINE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED DIVERSION.

4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.

5. DIVERSION CHANNEL SHALL BE STABILIZED IN ACCORDANCE WITH SPECIFICATION CH – CHANNEL STABILIZATION.

DV **DIVERSION**
NOT TO SCALE



1. FOR STAKES, USE STEEL WITH A MINIMUM LENGTH OF 3 FEET.

2. SPACE STAKES EVENLY AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART, AND SECURELY DRIVE THEM INTO THE GROUND, MINIMUM OF 18 INCHES DEEP.

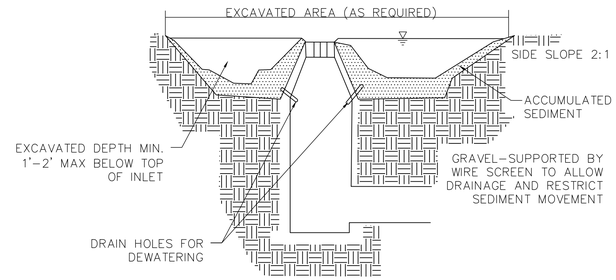
3. TO PROVIDE NEEDED STABILITY TO THE INSTALLATION, FRAME WITH 2 X 4 INCH WOOD STRIPS AROUND THE CREST OF THE OVERFLOW AREA AT A MAXIMUM OF 1.5 FEET ABOVE THE DROP INLET CREST.

4. PLACE THE BOTTOM 12 INCHES OF THE FABRIC IN A TRENCH AND BACKFILL THE TRENCH WITH CRUSHED STONE OR COMPACTED SOIL.

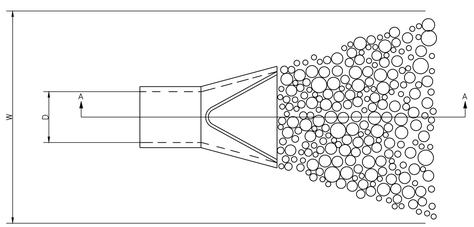
5. FASTEN FABRIC SECURELY TO THE STAKES AND FRAME. JOINTS MUST BE OVERLAPPED TO THE NEXT STAKE.

6. THE TOP OF THE FRAME AND FABRIC MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE FROM THE DROP INLET TO KEEP RUNOFF FROM BYPASSING THE INLET. IT MAY BE NECESSARY TO BUILD A TEMPORARY DIKE ON THE DOWN SLOPE SIDE OF THE STRUCTURE TO PREVENT BYPASS FLOW.

FIP **FABRIC INLET PROTECTION**
NOT TO SCALE



EIP **EXCAVATED DROP INLET PROTECTION**
NOT TO SCALE



PLAN

NOTES:
1. L IS THE LENGTH OF THE RIPRAP APRON.

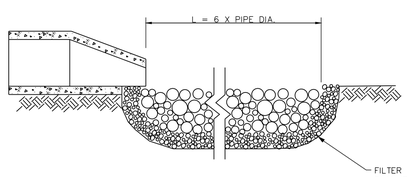
2. D= 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".

3. IN A WELL–DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE TOP OF PIPE OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.

4. A FILTER BLANKET OR FILTER FABRIC SHELL BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

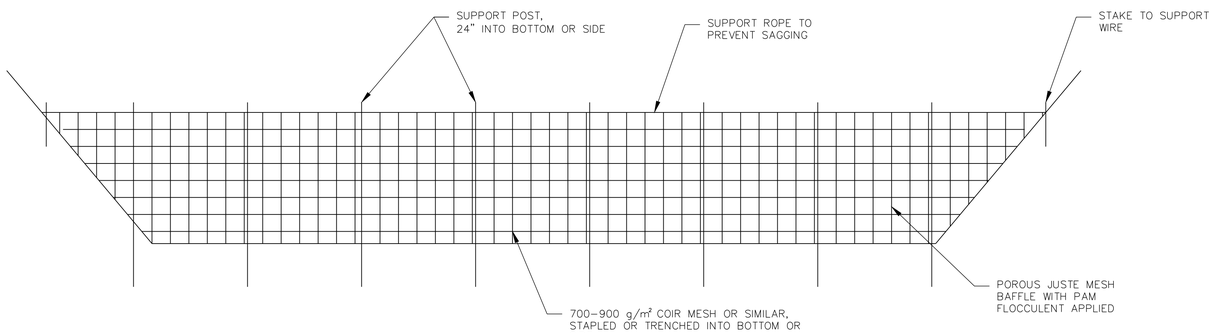
5. GRADED RIPRAP STONE (MIN. 50 LB. STONE) NSA. NO. R–4 – 12" mix. 6" ave

6. FILTER STONE NO. FS–2



SECTION A–A

OP **OUTLET PROTECTION**
NOT TO SCALE



NOTE: SEE ALABAMA EROSION CONTROL HANDBOOK FOR MORE DETAILS.

CROSS SECTION OF A POROUS BAFFLE
NOT TO SCALE

ENGINEER:

FORESITE group

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SEAL:

ALABAMA LICENSED No. 32010 PROFESSIONAL ENGINEER WES THRASH
6/26/23

REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/15/2023
SCALE:	AS SHOWN
TITLE:	

EROSION CONTROL DETAILS

SHEET NUMBER:

C-11.1

COMMENTS: RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

(TS) DISTURBED AREA STABILIZATION
(WITH TEMPORARY SEEDING)

PLANTS, PLANTING RATES AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE	PER 1000 SQ. FT.	RESOURCE AREA 3/	REMARKS
BARLEY (HORDEUM VULGARE) ALONE / IN MIXTURES	3 BU. (144 LBS.) / 1/2 BU. (24 LBS.)	3.3 LB / 0.6 LB	M-L, P, C	14,000 SEED PER POUND. WINTER HARDY USE ONLY ON PRODUCTIVE SOILS.
LESPEDEZA, ANNUAL (LEZPEDEZA STRIADA) ALONE / IN MIXTURES	40 LBS / 10 LBS	0.9 LB / 0.2 LB	M-L, P, C	200,000 SEED PER POUND. MAY VOLUNTEER FOR SEVERAL YEARS. USE INOCULATE EL.
LOVEGRASS, WEEPING (ERAGROSTIS BURVULA) ALONE / IN MIXTURES	4 LBS / 2 LBS	0.1 LB / 0.5 LB	M-L, P, C	1,500,000 SEED PER POUND. MAY LAST SEVERAL YEARS. MIX WITH SERICEA LESPEDEZA.
MILLET, BROWNTOP (PANICUM FASCICULATUM) ALONE / IN MIXTURES	40 LBS / 10 LBS	0.9 LB / 0.2 LB	M-L, P, C	137,000 SEED PER POUND. QUICK DENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATE.
MILLET, PEARL (PENNESETUM GLAUCUM) ALONE / IN MIXTURES	50 LBS	1.1 LB	M-L, P, C	88,000 SEED PER POUND. QUICK DENSE COVER. MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.
OATS (AVENA SATIVA) ALONE / IN MIXTURES	4 BU. (128 LBS.) / 1 BU. (32 LBS.)	2.9 LB / 0.7 LB	M-L, P, C	13,000 SEED PER POUND. USE ON PRODUCTIVE SOILS. NOT AS WINTERHARDY AS RYE OR BARLEY.
RYE (SECALE CEREALE) ALONE / IN MIXTURES	3 BU. (168 LBS.) / 1/2 BU. (28 LBS.)	3.9 LB / 0.6 LB	M-L, P, C	18,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT AND WINTERHARDY.
RYEGRASS ANNUAL (LOLIUM TEMULENTUM) ALONE	40 LBS	0.9 LB	M-L, P, C	227,000 SEED PER LB. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
SUDANGRASS (SORGHUM SUDANESE) ALONE	60 LBS	1.4 LB	M-L, P, C	55,000 SEED PER LB. GOOD ON DROUGHT SITES AND IS NOT TO BE USED IN MIXTURES.
TRITICALE (X-TRITICOSECALE) ALONE / IN MIXTURES	3 BU. (144 LBS.) / 1/2 BU. (24 LBS.)	3.3 LB / 0.6 LB	C	USE ON LOWER PART OF SOUTHERN COASTAL PLAIN AND IN ATLANTIC COASTAL FLATWOODS ONLY.
WHEAT (TRITICUM AESTIVUM) ALONE / IN MIXTURES	3 BU. (180 LBS.) / 1/2 BU. (30 LBS.)	4.1 LB / 0.7 LB	M-L, P, C	15,000 SEED PER POUND. WINTERHARDY

PLANTING DATES BY RESOURCE AREAS PLANTING DATES (SOLID LINES INDICATE OPTIMUM DATES DOTTED LINES INDICATE PERMISSIBLE BUT OPTIONAL DATES) — J F M A M J J A S O N D

1/ TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWN OUT PERENNIALS IF SEEDED TOO HEAVILY.
2/ REDUCE SEEDING RATES BY 50% WHEN DRILLED.
3/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED.
4/ M-L REPRESENTS THE MOUNTAIN; BLUE RIDGE; RIDGES AND VALLEYS MLPS'S
P REPRESENTS THE SOUTHERN PIEDMONT MLRA
C REPRESENTS SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK HILLS; BLACK LANDS; AND ATLANTIC COASTAL FLATWOODS MLRA'S

(MU) DISTURBED AREA STABILIZATION
(WITH MULCHING ONLY)

MULCHING WITHOUT SEEDING
THIS STANDARD APPLIES TO GRADES OR CLEARED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDANT COVER, BUT CAN BE ESTABLISHED WITH A MULCH COVER.

SITE PREPARATION
1. GRADE TO ALLOW THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
2. INSTALL NEEDED EROSION CONTROL MEASURES AS REQUIRED SUCH AS DIKES, DIVERSIONS, BERMS, TERRACES AND SEDIMENT BARRIERS.
3. LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES.

MULCHING MATERIALS
SELECT ONE OF THE FOLLOWING MATERIALS AND APPLY AT THE DEPTH INDICATED:
1. DRY STRAW OR HAY SHALL BE APPLIED AT THE DEPTH OF 2 TO 4 INCHES PROVIDING COMPLETE SOIL COVERAGE. ONE ADVANTAGE OF THIS MATERIAL IS EASY APPLICATION.
2. WOOD WASTE (CHIPS, SAWDUST OR BARK) SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES. ORGANIC MATERIAL FROM THE CLEARING STAGE OF DEVELOPMENT SHOULD REMAIN ON SITE, BE CHIPPED, AND APPLIED AS MULCH. THIS METHOD OF MULCHING CAN GREATLY REDUCE EROSION CONTROL COSTS.
3. CUTBACK ASPHALT (SLOW CURING) SHALL BE APPLIED AT 1200 GALLONS PER ACRE (OR ¼ GALLON PER SQ. YD.).
4. POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED AND RE-USED.

APPLYING MULCH
WHEN MULCH IS USED WITHOUT SEEDING, MULCH SHALL BE APPLIED TO PROVIDE FULL COVERAGE OF THE EXPOSED AREA.
1. DRY STRAW OR HAY MULCH AND WOOD CHIPS SHALL BE APPLIED UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.
2. IF THE AREA WILL EVENTUALLY BE COVERED WITH PERENNIAL VEGETATION, 20-30 POUNDS OF NITROGEN PER ACRE IN ADDITION TO THE NORMAL AMOUNT SHALL BE APPLIED TO OFFSET THE UPTAKE OF NITROGEN CAUSED BY THE DECOMPOSITION OF THE ORGANIC MULCHES.
3. CUTBACK ASPHALT SHALL BE APPLIED UNIFORMLY. CARE SHOULD BE TAKEN IN AREAS OF PEDESTRIAN TRAFFIC DUE TO PROBLEMS OF "TRACKING IN" OR DAMAGE TO SHOES, CLOTHING, ETC.
4. APPLY POLYETHYLENE FILM ON EXPOSED AREAS.

ANCHORING MULCH
1. STRAW OR HAY MULCH CAN BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK." DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT TO PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION. STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION.
2. STRAW OR HAY MULCH SPREAD WITH THE SPECIAL BLOWER-TYPE EQUIPMENT MAY BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1. THE ASPHALT EMULSION SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE. USE 100 GALLONS OF EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH. TACKIFIERS AND BINDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. PLEASE REFER TO SPECIFICATION TB - TACKIFIER AND BINDERS. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
3. NETTING OF THE APPROPRIATE SIZE SHALL BE USED TO ANCHOR WOOD WASTE. OPENINGS OF THE NETTING SHALL NOT BE LARGER THAN THE AVERAGE SIZE OF THE WOOD WASTE CHIPS.
4. POLYETHYLENE FILM SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS INCREMENTALLY AS NECESSARY.

MULCHING WITH SEEDING

MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER.

DRY STRAW OF DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 1 1/2 TONS PER ACRE.

APPLYING MULCH
STRAW OR HAY MULCH SHALL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE.

ANCHORING MULCH
STRAW OR HAY MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY AFTER THE MULCH IS SPREAD. A SPECIAL "PACKER DISK" OR DISK HARROW WITH THE DISKS SET STRAIGHT MAY BE USED. THE DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISKS SHALL BE DULL ENOUGH TO PRESS THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OF IT IN AN ERECT POSITION. MULCH SHALL NOT BE PLOWED INTO THE SOIL.

(PS) DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGATATION)

FERTILIZER REQUIREMENTS

TYPES OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	TOP DRESSING RATE
1. COOL SEASON GRASSES	FIRST / SECOND / MAINTENANCE	6-12-12 / 6-12-12 / 10-10-10	1500 LBS./AC / 1000 LBS./AC / 400 LBS./AC	50-100 LBS/AC 1/2/ / -- / 30
2. COOL SEASON GRASSES AND LEGUMES	FIRST / SECOND / MAINTENANCE	6-12-12 / 0-10-10 / 0-10-10	1500 LBS./AC / 1000 LBS./AC / 400 LBS./AC	0-50 LBS/AC 1/ / -- / --
3. GRAOUD COVERS	FIRST / SECOND / MAINTENANCE	10-10-10 / 10-10-10 / 10-10-10	1300 LBS./AC 3/ / 1300 LBS./AC 3/ / 1100 LBS./AC	-- / -- / --
4. PINE SEEDLINGS	FIRST	20-10-15	ONE 21-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	--
5. SHRUB LESPEDEZA	FIRST / MAINTENANCE	0-10-10 / 0-10-10	700 LBS./AC / 700 LBS./AC 4/	--
6. TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500 LBS./AC	30 LBS/AC 5/
7. WARM SEASON GRASSES	FIRST / SECOND / MAINTENANCE	6-12-12 / 6-12-12 / 10-10-10	1500 LBS./AC / 800 LBS./AC / 400 LBS./AC	50-100 LBS/AC 2/6/ / 50-100 LBS/AC 2/ / 30 LBS/AC
8. WARM SEASON GRASSES AND LEGUMES	FIRST / SECOND / MAINTENANCE	6-12-12 / 0-10-10 / 0-10-10	1500 LBS./AC / 1000 LBS./AC / 400 LBS./AC	50-100 LBS/AC 6/

1/ APPLY IN THE SPRING FOLLOWING SEEDING.
2/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
3/ APPLY IN SPLIT APPLICATIONS.
4/ APPLY WHEN PLANTS ARE PRUNED.
5/ APPLY TO GRASS SPECIES ONLY.
6/ APPLY WHEN PLANTS GROW TO HEIGHT OF 2 TO 4 INCHES.

LIME AND FERTILIZER RATES AND ANALYSIS

AGRICULTURAL LIME IS REQUIRED AT THE RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TEST INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATION OF THE STATE DEPARTMENT OF AGRICULTURE.

LIME SPREAD BY CONVENTIONAL EQUIPMENT SHALL BE "GROUND LIMESTONE." GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 90% OF THE MATERIAL WILL PASS THROUGH A 10-MESH SIEVE, NOT LESS THAN 50% WILL PASS THROUGH A 50-MESH SIEVE AND NOT LESS THAN 25% WILL PASS THROUGH A 100-MESH SIEVE. IT IS DESIRABLE TO USE DOLOMITIC LIMESTONE IN THE SAND HILLS, SOUTHERN COASTAL PLAIN AND ATLANTIC COAST FLATWOODS MLRAS.

AGRICULTURAL LIME IS GENERALLY NOT REQUIRED WHERE ONLY TREES ARE PLANTED.

(PS) DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGATATION)

PLANTS, PLANTING RATES AND PLANTING DATES FOR PERMANENT COVER

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE	PER 1000 SQ. FT.	RESOURCE AREA 3/	REMARKS
BAHIA, PENSACOLA (PASPALUM NOTATUM) ALONE OR WITH TEMPORARY COVER / WITH OTHER PERENNIALS	60 LBS / 30 LBS	1.4 LB / 0.7 LB	P, C	166,000 SEED PER POUND. LOW GROWING. SOD FORMING. SLOW TO ESTABLISH. PLANT WITH COMPANION CROP. WILL SPREAD INTO BERMUDA PASTURES AND LAWNS. MIX WITH SERICEA LESPEDEZA OR WEEPING LOVEGRASS.
BAHIA, WILMINGTON (PASPALUM NOTATUM) ALONE OR WITH TEMPORARY COVER / WITH OTHER PERENNIALS	60 LBS / 30 LBS	0.2 LB / 0.1 LB	M-L, P	166,000 SEED PER POUND. LOW GROWING. SOD FORMING. SLOW TO ESTABLISH. PLANT WITH COMPANION CROP. WILL SPREAD INTO BERMUDA PASTURES AND LAWNS. MIX WITH SERICEA LESPEDEZA OR WEEPING LOVEGRASS.
BERMUDA. COMMON (CYNODON DACTYLON) HULLED SEED ALONE OR WITH TEMPORARY COVER / WITH OTHER PERENNIALS	10 LBS / 6 LBS	0.2 LB / 0.1 LB	P, C	1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SEED FORMING. FULL SUN. GOOD FOR ATHLETIC FIELD.
BERMUDA. COMMON (CYNODON DACTYLON) UNHULLED SEED WITH TEMPORARY COVER / WITH OTHER PERENNIALS	10 LBS / 6 LBS	0.2 LB / 0.1 LB	P, C	PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
BERMUDA SPRIGS (CYNODON DACTYLON) / COASTAL COMMON. MIDLAND OR TIFT 44 / COASTAL COMMON. OR TIFT 44 / TIFF 78	40 CU. FT. OR SOD PLUGS 3'X3'	0.9 CU. FT.	M-L / P, C / C	A CUBIC FT CONTAINS APPROX. 650 SPRIGS. A BUSHEL CONTAINS 1.25 CU. FT. OR APPROX. OR 800 SPRIGS / SAME AS ABOVE / SOUTHERN COASTAL PLAIN ONLY
CENTIPEDE (EREMOCHOLA OPHIUROIDES)	BLACK SOD ONLY		P, C	DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENT TO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES.
CROWN VETCH (CORONILLA VARIA) WITH WINTER ANNUALS OR COOL SEASON GRASSES	15 LBS.	0.3 LB	M-L, P	100,000 SEED PER LB. DENSE GROWTH. DROUGHT TOLERANT AND FIRE RESISTANT. ATTRACTIVE ROSE, PINK, AND WHITE BLOSSOMS SPRING TO LATE FALL. MIX WITH 30 LBS. OF TALL FESCUE OR 15 LBS. OF RYE. INOCULATE SEED WITH M INOCULANT. USE FROM NORTH ATLANTA AND NORTHWARD.
FESCUE TALL (FESTUCA ARUNDINACEA) ALONE / WITH OTHER PERENNIALS	50 LBS / 30 LBS	1.1 LB / 0.7 LB	M-L, P	227,000 SEED PER LB. USE ALONE ONLY ON BETTER SITES. NOT FOR DROUGHT SOILS. MIX WITH PERENNIAL LESPEDEZAS OR CROWN VETCH.. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTINGS. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.
LESPEDEZA, SERICEA (LESPEREDEZA CUEATA) SCARIFIED / UNSCARIFIED / SEED-BEARING HAY	60 LBS / 75 LBS / 3 TONS	1.4 LB / 1.7 LB / 138 LB	M-L, P, C / M-L, P, C / M-L, P, C	350,000 SEED PER LB. WIDELY ADAPTED. LOW MAINTENANCE. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, OR TALL FESCUE. TAKES 2-3 YEARS TO BECOME FULLY ESTABLISHED. EXCELLENT ON ROAD BANKS. INOCULATE SEEDS WITH EL INOCULATE. / MIX WITH TALL FESCUE OR WINTER ANNALS. / CUT WHEN SEED IS MATURE BUT BEFORE IT SHATTERS. ADD TALL FESCUE OR WINTER ANNUALS.
LESPEDEZA, AMBRO VIRGATA (LESPEREDEZA VIRGATA DC)) OR APPALOW (LESPEDEZA CUNEATA DUMONT G. DON) SCARIFIED / UNSCARIFIED	60 LBS / 75 LBS	1.4 LB / 1.7 LB	M-L, P, C / M-L, P, C	300,000 SEED PER LB. HEIGHT OF GROWTH IS 18 TO 24 INCHES. ADVANTAGEOUS IN URBAN GROWTH. NEW GROWTH WITH BRONZE COLORATION. MIX WITH SERICEA LESPEDEZA. SLOW TO DEVELOP SOLID STANDS. INOCULATE SEED WITH EL INOCULATE.
LESPEDEZA, SHRUB (LESPEDEZA BICOLORO (LESPEDEZA THUMBERGII) PLANTS	3'X3'		M-L, P, C	PROVIDE WILDLIFE FOOD AND COVER
LOVEGRASS, WEEPING (ERAGROSTIS CURVULA) ALONE / WITH OTHER PERENNIALS	4 LBS / 2 LBS	0.1 LB / 0.5 LB	M-L, P, C	1,500,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT. GROWS WELL WITH SERICEA LESPEDEZA ON ROADBANKS.
MAIDENCANE (PANICUM HEMITOMON) SPRIGS	2'X3' SPACING		ALL	FOR VERY WET SITES. MAY CLOG CHANNELS. DIG SPRIGS FROM LOCAL SOURCES. USE ALONG RIVERBANKS AND SHORELINES.
PANICGRASS, ATLANTIC COASTAL (PANICUM AMARUM VAR. AMARULUM)	20 LBS	0.5 LB	P, C	GROWS WELL ON COASTAL SAND DUNES, BORROW AREAS, AND GRAVEL PITS. PROVIDES WINTER COVER FOR WILDLIFE. MIX WITH SERICEA LESPEDEZA EXCEPT ON SAND DUNES.
REED CANARY GRASS (PHALARIS ARUNDINACEA) ALONE / WITH OTHER PERENNIALS	50 LBS / 30 LBS	1.1 LB / 0.7 LB	M-L, P	GROWS SIMILAR TO TALL FESCUE
SUNFLOWER, 'AZTEC" MAXIMILLIAN (LELIANTHUS MAXIMILLIAN)	10 LB	0.2 LB	M-L, P, C	227,000 SEED PER POUND. MIX WITH WEEPING LOVEGRASS OR OTHER LOW-GROWING GRASSES OR LEGUMES.

PLANTING DATES BY RESOURCE AREAS PLANTING DATES (SOLID LINES INDICATE OPTIMUM DATES DOTTED LINES INDICATE PERMISSIBLE BUT OPTIONAL DATES) — J F M A M J J A S O N D

1/ REDUCE SEEDING RATES BY 50% WHEN DRILLED.
2/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED. REFER TO SECTION V.E. OF THESE SPECIFICATIONS.
3/ M-L REPRESENTS TO MOUNTAIN; BLUE RIDGE; AND RIDGES AND VALLEYS MLRA'S.
P REPRESENTS THE SOUTHERN PIEDMONT MLRA
C REPRESENT S SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK HILLS; BLACK LANDS; AND ATLANTIC COASTAL FLATWOODS MLRA'S

(PS) DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGATATION)

DURABLE SHRUBS AND GROUND COVERS FOR PERMANENT COVER

GROUND COVERS INCLUDE A WIDE RANGE OF LOW-GROWING PLANTS PLANTED TOGETHER IN CONSIDERABLE NUMBERS TO COVER LARGE AREAS OF LANDSCAPE. GROUND COVERS GROW SLOWER THAN GRASSES. WEEDS ARE LIKELY TO COMPETE, ESPECIALLY THE FIRST YEAR. MAINTENANCE NEEDED TO INSURE SURVIVAL. THESE GROUND COVERS WILL NOT BE USED UNLESS PROPER MAINTENANCE IS PLANNED. MAINTAIN MULCH WITH AT LEAST A THREE INCH THICKNESS UNTIL PLANTS PROVIDE ADEQUATE COVER. FALL PLANTING IS ENCOURAGED BECAUSE THE NEED FOR CONSTANT WATERING IS REDUCED AND PLANTS HAVE TIME TO ESTABLISH NEW ROOTS BEFORE HOT WEATHER.

FALL PLANTING IS ENCOURAGED BECAUSE THE NEED FOR CONSTANT WATERING IS REDUCED AND PLANTS HAVE TIME TO ESTABLISH NEW ROOTS BEFORE HOT WEATHER.

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT	PLANT SPACING	COMMENTS
ALBELIA	ALBELIA GRANDOFLORA	3-4 FT.	5 FT.	ALSO A PROSTRATE FORM 2 FT. HIGH. SUN. SEMI-SHADE. SEMI-EVERGREEN
CAROLINA YELLOW JESSAMINE	GELSEMIUM SEMPERVIRENS	LOW	3 FT.	VINE. YELLOW, TRUMPET-LIKE FLOWERS, HARDY. ONE OF THE BEST VINES. EVERGREEN
CARPET BLUE	AJUGA REPTANS	2-4 INCHES	3 FT.	NEEDS GOOD DRAINAGE. PARTIAL SHADE. BLUE OR WHITE FLOWERS. EVERGREEN
BEAR BERRY COTONEASTER	COTONEASTER DAMMERI	2-4 FT.	5 FT.	WHITE FLOWERS, RED FRUIT. SUN. EVERGREEN
GROUND COVER COTONEASTER	COTONEASTER SALICIFOLUIS "REPENS'	1-2 FT.	5 FT.	WHITE FLOWERS, RED FRUIT. SUN. EVERGREEN
ROCK COLONEASTER	COTONEASTER HORIZONTALIS	1-2 FT.	5 FT.	SEMI-EVERGREEN. SUN.
VIRGINIA CREEPER	PARTHENOCISSUE QUINQUEFOLIA	LOW	3 FT.	RED IN FALL. VINE. DECIDUOUS.
DAY LILY	HEMEROCALLIS SPP.	2-3 FT.	2 FT.	MANY FLOWER COLORS. FULL SUN. VERY HARDY.
ENGLISH IVY	HEDERA HELIX	LOW	3 FT.	SHADE ONLY. CLIMBS
COMPACTA HOLLY	ILEX CRENATA COMPACTA	3-4 FT.	5 FT.	SUN. SEMI-SHADE
CHINESE HOLLY	ILEX CORNUTA ROTUNDA	3-4 FT.	5 FT.	VERY DURABLE, SUN. SEMI-SHADE
DWARF BUFFORD HOLLY	ILEX BUFFORDII 'NANA'	5-8 FT.	8 FT.	
DWARF YAUPON HOLLY	ILEX VOMIITORIA 'NANA'	3-4 FT.	5 FT.	VERY DURABLE, SUN. SEMI-SHADE
REPANDENS HOLLY	ILEX CRENATA 'REPANDENS'	3-4 FT.	5 FT.	SUN. SEMI-SHADE
ANDORA JUNIPER	JUNIPERUS HORIZONTALIS 'PLUMOSA'	2-3 FT.	5 FT.	EXCELLENT FOR SLOPES. SUN
ANDORA COMPACTA JUNIPER	JUNIPERUS HORIZONTALIS 'PLUMOSA COR PACTA'	1-2 FT.	5 FT.	MORE COMPACT THAN ANDORA
BLUE CHIP JUNIPER	JUNIPERUS HORIZONTALIS BLUE CHIP	8-10 FT.	4 FT.	
BLUE RUG JUNIPER	JUNIPERUS HORIZONTALIS 'WILTONII'	4-6 FT.	3 FT.	VERY LOW. SUN.
PARSONS JUNIPER	JUNIPERUS DAVURICA 'EXPANSA' (SQUAMATA PARSONI)	18-24 FT.	5 FT.	ONE OF THE BEST. GOOD WINTER COVER
PFITZER JUNIPER	JUNIPERUS CHINENSIS 'PFITZERANA'	6-8 FT.	6 FT.	NEEDS ROOM
PRINCE OF WALES JUNIPER	JUNIPERUS HORIZONTALIS 'PRINCE OF WALES'	8-10 FT.	4 FT.	FEATHERY APPEARANCE
SARGENT JUNIPER	JUNIPERUS CHINENSIS 'SARGENTII'	1-2 FT.	5 FT.	FULL SUN. NEEDS GOOD DRAINAGE. GOOD WINTER COLOR.
SHORE JUNIPER	JUNIPERUS CONFERTTA	2-3 FT.	5 FT.	EMERALD SEA OR BLUE PACIFIC CULTIVARS ARE GOOD.
LIRIOPE	LIRIOPE MUSCARI	2-3 FT.	5 FT.	
CREEPING LIRIOPE	LIRIOPE SPICATA	10-12 INCHES	1 FT.	SPREADS BY NUMBERS
BIG LEAF PERIWINKLE	VINCA MAJOR	10-15 INCHES	4 FT.	LILAC FLOWERS IN SPRING. SEMI-SHADE.
COMMON PERIWINKLE	VINCA MINOR	5-6 INCHES	4 FT.	LAVENDER-BLUE FLOWERS IN SPRING. SEMI-SHADE.
CHEROKEE ROSE	ROSE LAEVIGATA	2 FT.	5 FT.	RAMPANT GROWER. NOT FOR RESTRICTED SPACE. STATE FLOWER.
MEMORIA ROSE	ROSA WEUCHURIANA	2 FT.	5 FT.	RAMPANT GROWER.
ST. JOHN'S WORT	HYPERICUM CALYCENUM	8-12 INCHES	3 FT.	SEMI-SHADE.
ANTHONY WATERER SPIREA	SPIREA BUMALDA	3-4 FT.	5 FT.	SUN.
THUNBERG SPIREA	SPIREA THINBERGLI	3-4 FT.	5 FT.	SUN.

(PS) DISTURBED AREA STABILIZATION
(WITH PERMANENT VEGATATION)

TREES FOR EROSION CONTROL

TYPES OF SPECIES	SOIL MATERIAL	COMMON SOILS	PLANTING TREE SPECIES 1/	SPACING	PLANTING DATES 3/
BORROW AREAS, GRADED AREAS, AND SPOIL MATERIAL	SANDY	LAKELAND	LOBLOLLY PIPE (PINUS TAEDA)	2/	M-L, 12/1-3/15; C 12/1-3/1
			LONG LEAF PINE (PINUS PALUSTRIS)		
	LOAMY	ORANGEBURG	LOBLOLLY PINE	2/	M-L, 12/1-3/15; C 12/1-3/1
			SLASH PINE		
	CLAY	CECIL	LOBLOLLY PINE	2/	M-L, 12/1-3/15; C 12/1-3/1
			SLASH PINE		
			VIRGINIA PINE (PINUS VIRGINIANA)		
STREAMBANKS			WILLOWS 4/ (SALIX SPECIES)	2 FT. X 2 FT.	ALL 11/15-3/15

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PROJECT:
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1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:


REVISIONS	DATE
DRT COMMENTS	05/26/2023
RELEASED FOR CONSTRUCTION	06/26/2023

PROJECT MANAGER: SWT
DRAWING BY: JMR
JURISDICTION: AUBURN, AL
DATE: 2/15/2023
SCALE: AS SHOWN
TITLE:
EROSION CONTROL DETAILS
SHEET NUMBER: C-11.2
COMMENTS: RELEASED FOR CONSTRUCTION
JOB/FILE NUMBER: 1729.003

GENERAL LANDSCAPE NOTES:

1. WARRANTY: ALL PLANTS SHALL BE WARRANTED TO REMAIN ALIVE, HEALTHY, AND IN THRIVING CONDITION FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE
2. PLANTS SHALL MEET DOT SPECIFICATIONS AND AMERICAN STANDARD FOR NURSERY STOCK STANDARDS.
3. PLANTS SHALL BE SPECIMEN QUALITY. PLANTS SHALL BE SOUND, HEALTHY AND VIGOROUS, WELL BRANCHED, AND DENSELY FOLIATED WHEN IN LEAF.
4. HEIGHT AND SPREAD DIMENSIONS SPECIFIED REFER TO THE MAIN BODY OF THE PLANT AND NOT FROM BRANCH TIP TO TIP. IF A RANGE OF SIZE IS GIVEN, NO PLANT SHALL BE AS LARGE AS THE MAXIMUM SIZE SPECIFIED.
5. SHADE TREES SHALL BE STRAIGHT UNLESS OTHERWISE SPECIFIED
6. PLANTS SHALL BE SUBJECT TO REVIEW BY OWNER'S REPRESENTATIVE. OWNER'S REPRESENTATIVE SHALL BE THE SOLE JUDGE OF THE QUALITY AND ACCEPTABILITY OF MATERIALS AND PLACEMENT.
7. PLANTING PLANS INDICATE DIAGRAMMATIC LOCATIONS ONLY. SITE ADJUSTMENTS OF PLANTING DESIGN AND RELOCATION OF PLANT MATERIAL INSTALLED PRIOR TO OWNER REPRESENTATIVE'S APPROVAL SHALL BE DONE WITHOUT PENALTY OR ADDITIONAL COST TO OWNER. STAKE PLANT LOCATIONS AT SITE AND OBTAIN OWNER REPRESENTATIVE'S APPROVAL PRIOR TO PLANT INSTALLATION.
8. PLACE PLANTS UPRIGHT AND TURNED SO THAT THE MOST ATTRACTIVE SIDE IS VIEWED.
9. BE FAMILIAR WITH UNDERGROUND UTILITIES BEFORE DIGGING. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL DAMAGE OF UTILITY LINES.
10. PROVIDE SHOVEL-CUT TRENCH AT SHRUB BEDS IN LAWN AREAS UNLESS OTHERWISE NOTED.
11. PROVIDE 3" THICKNESS MULCH AT ALL PLANTS AND PLANTING BEDS. MULCH MUST BE 3" THICK AT TIME OF FINAL WALK-THROUGH. MULCH IN SHRUB AND TREE PLANTING BEDS SHALL BE PINE STRAW UNLESS OTHERWISE NOTED. MULCH IN GROUNDCOVER BEDS TO BE SHREDDED HARDWOOD UNLESS OTHERWISE NOTED.
12. MAINTENANCE WORK SHALL BE PERFORMED UNTIL DATE OF FINAL ACCEPTANCE BY OWNER'S REPRESENTATIVE.
13. CONTRACTOR'S PRICES SHALL INCLUDE ALL LABOR AND MATERIAL NECESSARY TO COMPLETE THE WORK, I.E. MULCH, PLANTING, SOIL MIX, WOOD AND WIRE STAKING MATERIAL, ETC.
14. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWING SHALL BE FURNISHED. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE OWNER'S REPRESENTATIVE ASSUMES NO LIABILITY FOR OMISSION OR ERRORS. HIS ESTIMATES ARE ONLY AN AID FOR CLARIFICATION OF UNITS AND A CHECK FOR THE CONTRACTOR TO COMPARE WITH HIS OWN ESTIMATES. DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF OWNER'S REPRESENTATIVE. NO EXTRA COMPENSATION SHALL BE ALLOWED FOR EXTRA QUANTITIES NECESSARY TO COMPLETE THE WORK.
15. WHERE LANDSCAPING AREAS ADJOIN GRASSED RIGHTS-OF-WAY, SUCH AREAS SHALL BE CONSIDERED PART OF THE LANDSCAPED AREA FOR PURPOSES OF MAINTENANCE. AS OF COMPLETION OF SITE IMPROVEMENTS, THE PROPERTY OWNER SHALL HAVE AN IMPLIED EASEMENT OF THE RIGHT-OF-WAY EXTENDING FROM THE SITE TO THE ROAD PAVEMENT IN ORDER TO COMPLETE THE REQUIRED MAINTENANCE.
16. CONTRACTOR TO DESIGN-BUILD IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE OF NEW PLANT MATERIAL. IRRIGATION HEADS TO BE INSTALLED FLUSH WITH GRADE.

LANDSCAPE REQUIREMENTS:

SITE LANDSCAPE:
56 TREE INCHES AND 90 SHRUBS PER ACRE.

1 ACRES X 56 TREE INCHES = 56 TOTAL INCHES REQUIRED; 57 TOTAL INCHES PROPOSED

60% OF CALIPER INCHES REQUIRED TO BE CANOPY TREES
(56 TOTAL INCHES X 60%) = 36 INCHES OF CANOPY TREES REQUIRED; 36 INCHES OF CANOPY TREES PROPOSED

40% OF CALIPER INCHES ALLOWED TO BE UNDERSTORY TREE COUNT
(56 TOTAL INCHES X 40%) = 21 INCHES OF UNDERSTORY TREES ALLOWED; 21 INCHES OF UNDERSTORY TREES PROPOSED

SHRUBS
1 ACRES X 90 SHRUBS = 90 SHRUBS REQUIRED; 184 SHRUBS PROPOSED

STREET FRONTAGE:
4 CANOPY CALIPER INCHES, 4 UNDERSTORY CALIPER INCHES & 10 SHRUBS PER 100 LINEAR FEET OF STREET FRONTAGE.

EAST SAMFORD AVENUE
CANOPY TREE INCHES
(212 LF / 100 LF) X 4 INCHES = 8 INCHES OF CANOPY TREES REQUIRED; 9 INCHES OF CANOPY TREES PROPOSED

UNDERSTORY TREE INCHES
(212 LF / 100 LF) X 4 INCHES = 8 INCHES OF UNDERSTORY TREES REQUIRED; 9 INCHES OF UNDERSTORY TREES PROPOSED

SHRUBS
(212 LF / 100 LF) X 10 SHRUBS = 21 SHRUBS REQUIRED; 25 SHRUBS PROPOSED

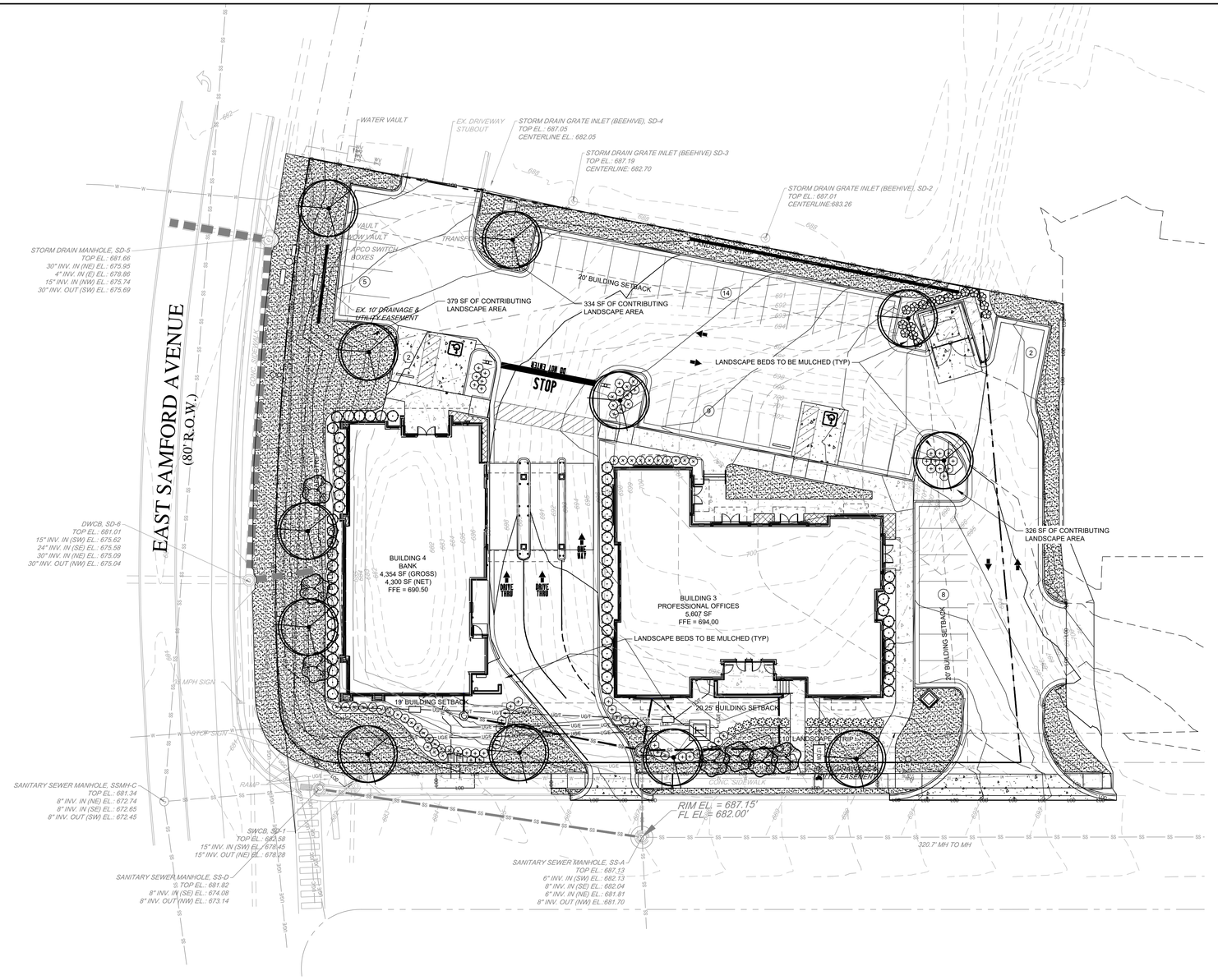
SAMFORD TRACE COURT
CANOPY TREE INCHES
(291 LF / 100 LF) X 4 INCHES = 12 INCHES OF CANOPY TREES REQUIRED; 12 INCHES OF CANOPY TREES PROPOSED

UNDERSTORY TREE INCHES
(291 LF / 100 LF) X 4 INCHES = 12 INCHES OF UNDERSTORY TREES REQUIRED; 15 INCHES OF UNDERSTORY TREES PROPOSED

SHRUBS
(291 LF / 100 LF) X 10 SHRUBS = 29 SHRUBS REQUIRED; 68 SHRUBS PROPOSED

PARKING LOT REQUIREMENTS:
1 LANDSCAPE ISLAND PER 16 PARKING SPACES.
ONLY LANDSCAPE ISLANDS WITH AN AREA OF 304 SF OR GREATER ARE COUNTED, WHERE 1 CANOPY TREE IS PROVIDED.

42 SPACES / 16 SPACES = 3 LANDSCAPE ISLANDS REQUIRED; 3 LANDSCAPE ISLANDS PROPOSED



PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	
	7	LAGERSTROEMIA X `NATCHEZ` / CRAPE MYRTLE	B & B	3"CAL	
	12	QUERCUS NUTTALLII / NUTTALL OAK	B & B	3"CAL	
SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE	SIZE	SPACING
	88	ABELIA X GRANDIFLORA `EDWARD GOUCHER` / GLOSSY ABELIA	3 GAL		36" o.c.
	18	DISTYLIUM X 'VINTAGE JADE' / FIRST EDITIONS® VINTAGE JADE DISTYLIUM	3 GAL		36" o.c.
	17	ILEX CORNUTA `NEEDLEPOINT` / NEEDLEPOINT HOLLY	3 GAL		36" o.c.
	61	ILEX GLABRA / INKBERRY HOLLY	3 GAL		36" o.c.
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT		
	161	LIRIOPE SPICATA / CREEPING LILY TURF	4"POT		10" o.c.
SOD/SEED	QTY	BOTANICAL / COMMON NAME	CONT		
	11,106 SF	CYNODON DACTYLON `TIF 419` / BERMUDA GRASS	SOD		

Know what's below Call before you dig

1" = <##>'
<##> ## 0 <##> ##
SCALE IN FEET

ENGINEER:
FORESITE group
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2128 Moores Mill Rd.
Suite C
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o | 334.887.6064
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DEVELOPER:
VILLAGE AT SAMFORD TRACE LLC,
1490 NORTHBANK PKWY, SUITE 212
TUSCALOOSA, AL 35406
(205) 722-1410

CONTACT: MIKE ELLIS

PROJECT:
SAMFORD TRACE BUILDING 3 & 4
1851 SAMFORD TRACE COURT
AUBURN, LEE COUNTY, AL 36830
SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
DRT COMMENTS	05/26/2023

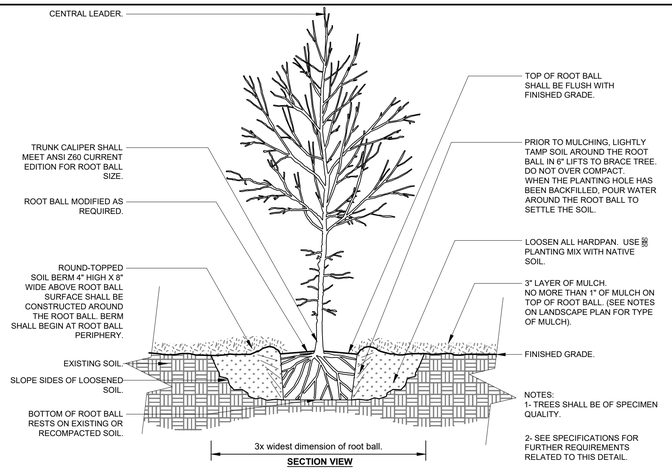
PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/23/2023
SCALE:	1" = <##>'
TITLE:	

LANDSCAPE PLAN

SHEET NUMBER: L-1

COMMENTS: NOT RELEASED FOR CONSTRUCTION

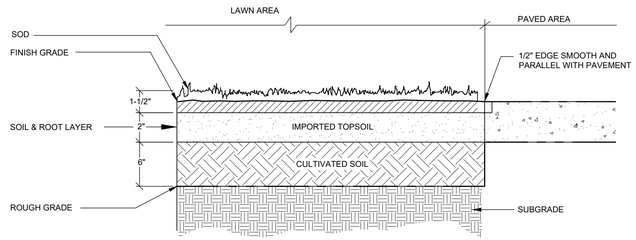
JOB/FILE NUMBER: 1729.003



4 TREE PLANTING

1/2" = 1'-0"

0000-01



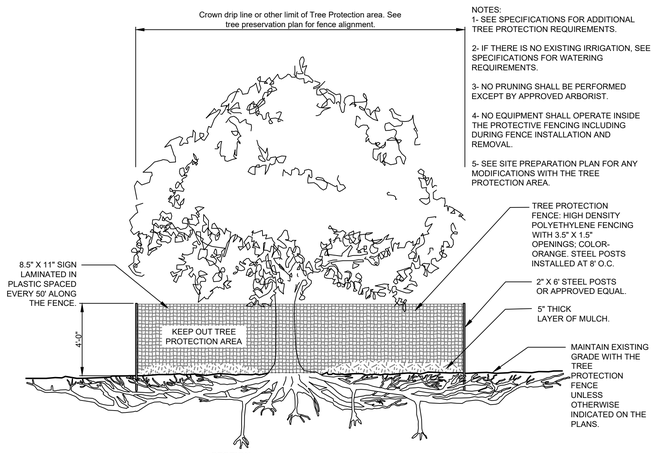
SODDING PROCEDURE:
1. PREPARE FINISH GRADE (AS PER SPECIFICATIONS)
2. APPLY LIME & FERTILIZER & ROTO-TIL (AS PER SOIL TEST)
3. LAY SOD & WATER THOROUGHLY

NOTE: INSTALL SOD SO THAT TOP OF SOIL AND ROOT LAYER IS LEVEL WITH TOP OF PAVEMENT.

1 SOD INSTALLATION

NOT TO SCALE

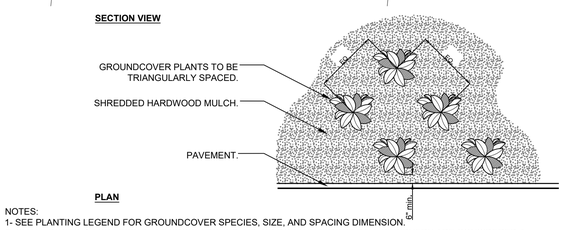
0002-01



5 TREE PROTECTION

1/4" = 1'-0"

FX-PL-FX-TRMT-02

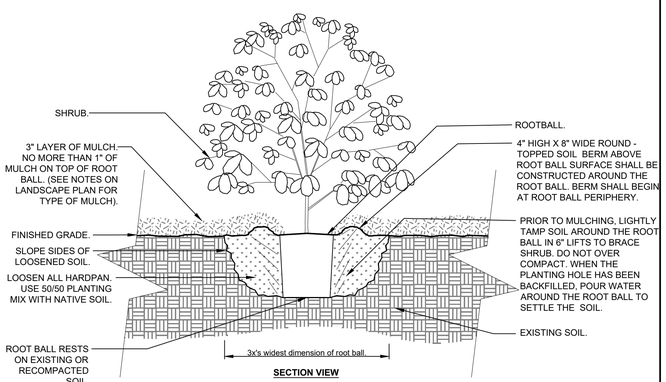


NOTES:
1- SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION.
2- SMALL ROOTS (¼" OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPERHY CAN BE REMOVED AT THE TIME OF PLANTING. (SEE ROOT BALL SHAVING CONTAINER DETAIL).
3- SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.

2 GROUNDCOVER

3/4" = 1'-0"

0003-01



NOTES:
1- SHRUBS SHALL BE OF SPECIMEN QUALITY.

2- SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

3 SHRUB PLANTING

3/4" = 1'-0"

0001-01

ENGINEER:

FORESITE group

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PROJECT:

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SECTION 28, TOWNSHIP 19 N, RANGE 26 E

SEAL:

REVISIONS	DATE
DRT COMMENTS	05/26/2023

PROJECT MANAGER:	SWT
DRAWING BY:	JMR
JURISDICTION:	AUBURN, AL
DATE:	2/23/2023
SCALE:	AS SHOWN
TITLE:	

LANDSCAPE DETAILS

SHEET NUMBER:

L-2

COMMENTS: NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER: 1729.003

GENERAL NOTES

1. Any omissions or discrepancies between plans, details, and specifications shall be brought to the attention of the Architect or Engineer before bidding.
2. Structural drawings or parts of the structural drawings may not be used as shop drawings without prior written approval.
3. Contractor proposed changes to details must be clearly noted on the first sheet of all shop drawings.
4. Construction shown is stable after the building is complete including interior and exterior finishes. The Contractor is responsible for temporary bracing of the structure during construction.
5. Furnish design calculations sealed by a Professional Engineer licensed in the State of Alabama for all shoring
6. Site visits by Engineer of Record are not considered inspections or special inspections, rather are observations for general compliance with contract documents.
7. Electronic submittal of shop drawings is required. Review of submittal information shall be for general conformance with the contract documents and shall not include checking of detailed dimensions or detailed quantities.

DESIGN LOADS

1.	Reference code for loading	IBC 2015 & SEI/ASCE7 7-10.
A.	Building Classification	II
B.	Wind Load	
a.	Basic Wind Speed (3 sec gust)	115 mph
b.	Importance Factor	1.0
c.	Wind Exposure	C
d.	Internal Pressure Coefficient	+/- 0.18
e.	Velocity Pressure (qz)	25.9 psf
f.	Components & Cladding Pressures	see table and diagram
C.	Roof Snow Load	
a.	Flat Roof Snow Load (Pf)	5 psf
b.	Snow Exposure (Ce)	1.0
c.	Importance Factor	1.0
d.	Thermal Factor (Ct)	1.0
D.	Seismic Load	
a.	Importance Factor	1.0
b.	Mapped Spectral Response Accelerations	
1.	Ss	0.130
2.	S1	0.075
c.	Site Class	D
d.	Spectral Response Coefficients	
1.	Sds	0.139
2.	Sd1	0.119
e.	Seismic Design Category	B
f.	Base Seismic-Force-Resisting System(s) and Response Modification Factor	
1.	Light-framed Walls Sheathed with Rated Wood Panels	6.5
E.	Live Load	
a.	Roof Load	20 psf
b.	Slabs on grade	100 psf

FOUNDATIONS

1. Foundation design for this project was based on soils information provided by Carmichael Engineering, Inc. - Job #G21-6340.
2. Bearing values of soil:
   A. Continuous footings---------- 2000 psf
   B. Isolated spread footings---------- 2500 psf
3. All footings are to bear on undisturbed soil or engineered fill based on the requirements of the geotechnical report.
4. Provide 8'-0" long top steel reinforcing, same size as bottom steel, at transitions between engineered fill and undisturbed soil locations.
5. Install corner bars at all footing intersections and corners (Provide lap length e.w.)
6. Step all perimeter footings where necessary to provide a minimum bearing of 2'-0" below the finish grade.
7. All footing elevations are given to the top of the footings.
8. Footing steps shown on the plans are furnished as a guide for estimating quantities. Final elevations are to be set in the field. Bearing elevations must be approved by a Soils Engineer before any concrete is placed.
9. Coordinate foundation elevations with plumbing requirements. Step footings as required to clear plumbing lines.

REINFORCING STEEL AND CONCRETE

1. All concrete work is to be in accordance with the "Building Code Requirements for Reinforced Concrete" (ACI 318-14).
2. All detailing is to be in accordance with "ACI Detailing Manual" SP-66
3. Concrete Properties: See Schedule
   A. All concrete must obtain 7 day strength of 70% of design strength.
   B. Concrete mixes may use up to 25% of cementious weight as fly ash.
   C. Concrete mixes may use water reducers, accelerators or retarders with prior approval.
   D. Do not provide air entrainment in concrete mixes for interior slabs.
4. All steel reinforcement shall be of deformed bars of billet steel conforming to ASTM A615, Grade 60 in all concrete.
5. Welded wire fabric shall be ASTM 185 and shall lap 2 cross wires or 6" whichever is greater on all sides. All laps shall be wired together.
6. Provide (2) #4 bars x 4'-0" at re-entrant corner locations Typical. Locate 3" away from corner and space 1'-0" apart.
7. All slabs on grade are 4", unless noted. Reinforce slabs with 6x6 W1.4 x W1.4 WWF placed 1" from top of slab. See Architectural Plans for floor slopes and recesses for hard tile.
8. Unless otherwise noted slabs shall have joints placed a 12'-0" on centers. Joint layout length to width ratio not to exceed 1.5:1. Joints may be control joints or construction joints.
9. Slabs on grade should be supported on 4" compacted dense graded base material (ALDOT 825A, 8910, or equivalent), compacted to a minimum of 98% compaction and per ASTM D 698 as noted in geotechnical report.
10. Minimum concrete cover for reinforcement:
    A. Columns & Piers — 1 1/2" outside of ties
    B. Footings — 3"
    C. Cast-In-Place Walls
       a. Surfaces exposed to weather or soil — 2" - #6 and greater, 1-1/2" - #5 and smaller
       b. Other surfaces — 3/4"
11. Provide corner bars at all wall and footing intersections.
12. Contractor shall include an allowance of (1) tons of reinforcing steel and (5) cubic yards of concrete in addition to the steel & concrete shown on the contract documents in the base bid. This material is to be placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused materials will be credited to the Owner.
13. Provide a continuous water bar at all wall construction joints below ground level.
14. Use 3/4" chamfer for all exposed corners unless noted.

MASONRY

1. All masonry work to be in accordance with "Building Code Requirements for Concrete Masonry Structures" ACI 530-13 and "Specifications for Masonry Structures" ACI 530.1-13
2. Fill all concrete masonry units with concrete or grout from the top of the footing to the finish floor or to 8" above finish grade whichever is higher.
3. Use truss type joint reinforcement (Blok-Lok BL-34 or better) at 16" on center in all cavity walls where brick is used for one or more of the wythes.
4. Use truss type joint reinforcement (Dur-O-Wall SW DA3100 or better) at 16" o/c. in all other masonry walls.
5. Provide joint reinforcement at 8" o/c. for all walls constructed with stack bond.
6. Use Type "M" or Type "S" mortar in accordance with IBC Table 2103.7(1).
7. Minimum compressive strength of concrete masonry f'm = 2000 psi in accordance with the unit strength method and TMS 402/602.
8. Minimum compressive strength of grout f'c = 2000 psi. Use 3/8" max size aggregate. See Special Inspection Schedule for any testing requirements. Grout slump shall be 8" to 11".
9. Use "Fine" grout for all reinforced piers and reinforced wall in accordance with ASTM C 476.
10. Each grout lift shall not exceed 5'-0" unless cleanouts are provided in the bottom course.
11. Unless noted, all bars are to be located at the center of cell. Where bars are specified at each face, provide minimum ¾" clear space between reinforcement and CMU face shell.

STRUCTURAL STEEL

1. All detailing, fabricating, and erection of structural steel shall be in accordance with the AISC 360-10 "Specifications for Structural Steel Buildings" and AWS-D1.1 "Structural Welding Code - Steel". All reactions shown are ASD loads.
2. All connections are to be detailed as Type 2 "simple frame connections" unless noted otherwise.
3. All structural steel W shapes shall be ASTM A992.
4. All structural steel Tube sections shall be ASTM A500 Grade C.
5. All structural steel channels, angles and other sections shall be ASTM A36, unless noted.
6. Shop and field connections shall be welded with E-70XX electrodes or bolted with 3/4" dia. A-325N or A-325X bolts, unless noted.
7. Use 3/4" cap and bearing plates, unless noted.
8. Use 3/4" dia x 1'-0" long ASTM 1554 Grade 36 anchor bolts, unless noted.
9. Grout under baseplates with 6000 psi Non-Shrink Grout.
10. Structural steel shall be shop primed per SSPC paint system No. 7. Primer shall be SSPC paint with a minimum thickness of 2.0 MILS. Omit Paint at surfaces to be fireproofed.
11. If steel sizes do not meet specified U.L. listing (See Arch). Thickness of Fire Protections shall be increased as required.
12. All steel exposed to weather shall be hot dipped galvanized per ASTM A123.
13. All steel exposed to earth shall receive bitumen coating.
14. Contractor shall include an allowance of (1/2) tons of structural steel in place in addition to the steel shown on the contract documents in the base bid. This steel is to be placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused steel will be credited to the Owner.
15. Handrails, guardrails, and other miscellaneous steel items not specifically detailed on these drawings are the responsibility of the contractor.

WOOD (STRUCTURAL)

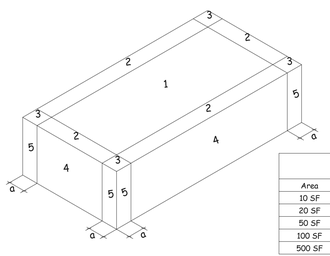
1. All vertical framing shall be Spruce-Pine-Fir, #2.
2. All wood exposed to weather or in contact with CMU or concrete shall be pressure treated in accordance with American Wood Preserves Association Manual of Recommended Practice.
3. All fasteners and nails in contact with pressure treated lumber to be stainless steel Type 304. Submit all alternates for approval.
4. Provide minimum of 2"x 6" top and bottom chord for all truss members.
5. Furnish design calculations sealed by a Professional Engineer licensed in the State of Alabama for all truss members.
6. Truss connections to walls and framing shall be Designed and Specified by Truss Supplier.
7. All framing noted as "LVL" shall have the following minimum properties:
   A. Modulus of Elasticity "E" = 2,000,000 psi
   B. Allowable Bending Stress "Fb" = 3,100 psi
   C. Allowable Shear Stress "Fv" = 290 psi
   D. Allowable Compression Perp to Grain "Fc-perp" = 845 psi
8. All multiple ply LVL beams are to be fastened together per the manufacturer's requirements for top-loaded and side-loaded beams. Beams that support joists with top flange joist hangers shall receive the side-loaded beam fastening pattern.
9. All headers shall be (3) 2x8's for exterior walls and (2) 2x8's for interior walls, unless noted otherwise.
10. Provide 4 studs at all beam and girder truss bearing locations.
11. Roof decking shall be 3/4" APA rated sheathing, Exposure 1 with 32/16 span rating. Provide plyclips at all roof sheathing connections, unless noted otherwise.
12. Wall sheathing shall be 1/2" structural 1 plywood unless noted otherwise.
13. Roof sheathing shall be nailed with 8d rinkshank nails at 6" o.c.
14. All bolts connecting horizontal sill plates to concrete, masonry, or steel shall have minimum 0.229"x3"x3" flat washers.

EPOXY AND MECHANICAL ANCHORS

1. All anchors shall be installed per manufacturer's instructions.
2. Contractor must get pre-approval from engineer-of-record before using post-installed epoxy or mechanical anchors not detailed in these drawings.

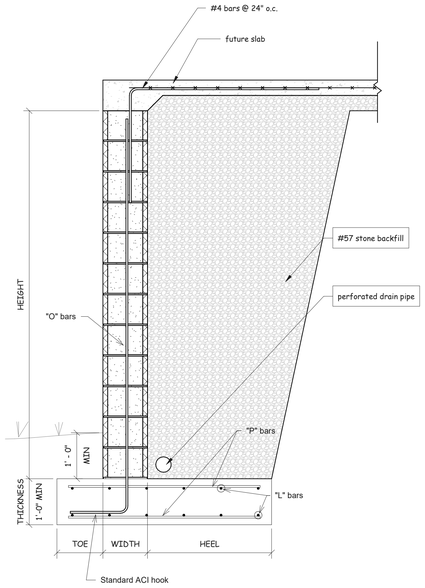
TESTING

1. The owner will provide testing and special inspection under a separate contract. See the project specifications for schedule of special inspections.



Components & Cladding Wind Loads

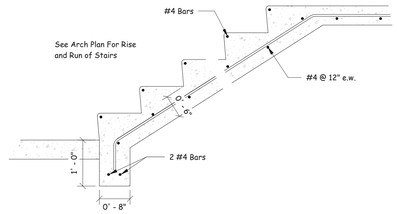
Area	Zone 1 (+)	Zone 1 (-)	Zone 2 (+)	Zone 2 (-)	Zone 3 (+)	Zone 3 (-)	Zone 4 (+)	Zone 4 (-)	Zone 5 (+)	Zone 5 (-)
10 SF	10.5 psf	-25.9 psf	10.5 psf	-43.5 psf	10.5 psf	-65.4 psf	25.9 psf	-28.1 psf	25.9 psf	-34.7 psf
20 SF	9.9 psf	-25.2 psf	9.9 psf	-38.8 psf	9.9 psf	-54.2 psf	24.7 psf	-26.9 psf	24.7 psf	-32.4 psf
50 SF	9.0 psf	-24.4 psf	9.0 psf	-32.7 psf	9.0 psf	-39.3 psf	23.2 psf	-25.4 psf	23.2 psf	-29.3 psf
100 SF	8.3 psf	-23.7 psf	8.3 psf	-28.1 psf	8.3 psf	-28.1 psf	22.0 psf	-24.2 psf	22.0 psf	-26.9 psf
500 SF	8.3 psf	-23.7 psf	8.3 psf	-28.1 psf	8.3 psf	-28.1 psf	19.3 psf	-21.1 psf	19.3 psf	-21.5 psf



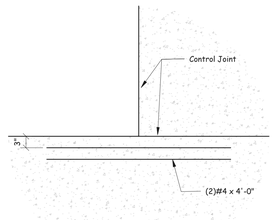
Retaining Wall Schedule

Height	Toe	Width	Heel	Thickness	"O" bars	"P" bars	"L" bars
3'-4"	1'-0"	8"	1'-4"	1'-0"	# 4 @ 24"	# 4 @ 12"	4 # 4 bars
4'-0"	1'-0"	8"	1'-4"	1'-0"	# 4 @ 24"	# 4 @ 12"	4 # 4 bars
5'-4"	1'-0"	8"	1'-4"	1'-0"	# 6 @ 16"	# 6 @ 8"	5 # 4 bars
6'-0"	1'-0"	8"	1'-4"	1'-0"	# 6 @ 16"	# 6 @ 8"	5 # 4 bars
7'-4"	1'-0"	8"	2'-4"	1'-0"	# 6 @ 8"	# 6 @ 8"	6 # 4 bars

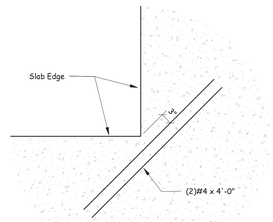
Notes:
1. Footing concrete is 3000 psi, wall masonry is 2000 psi.
2. All reinforcing steel shall be ASTM A 615 Grade 60.
3. Provide drainage behind wall, design by others.
5. Backfill behind wall with #57 stone.
6. Refer to geotechnical consultant for all other retaining wall requirements



Stairs On Grade



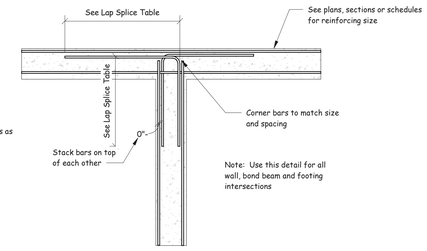
Discontinuous Control Joint



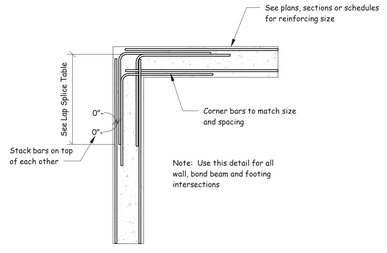
Re-Entrant Corner

Typical Slab on Grade Supplemental Rebar Details

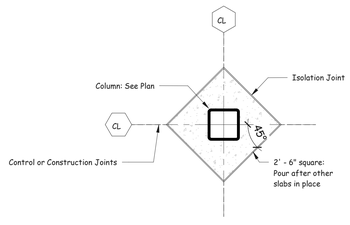
Note: Where re-entrant corners are intersected in both directions by control joints, (2) #4 bars are not required.



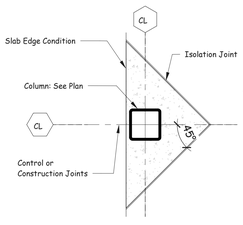
Typical Beam, Wall or Footing Reinforcing at Intersections



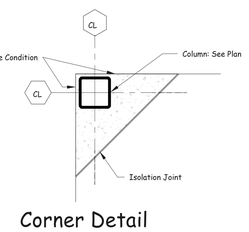
Typical Beam, Wall or Footing Reinforcing at Corners



Interior Detail

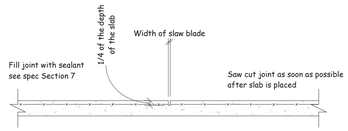


Edge Detail



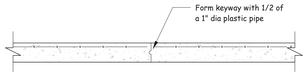
Corner Detail

Typical Isolation Joint

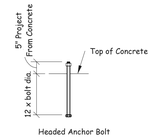


Note: Saw cut joint must be made the same day the slab is placed

Typical Control Joint



Typical Construction Joint

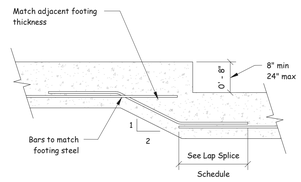


Typical Anchor Bolt Detail

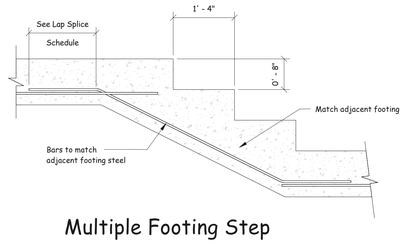
Reinforcing Steel Lap Splice Lengths

Bar Size	Column Splices	Bm, Ftg & Wall Splices Top Bars	Bm, Ftg & Wall Splices Other Bars	CMU Wall Splices
# 3	12"	19"	15"	18"
# 4	15"	25"	19"	24"
# 5	19"	31"	24"	30"
# 6	23"	37"	29"	36"
# 7	26"	54"	42"	42"
# 8	30"	62"	48"	48"
# 9	34"	70"	54"	54"
# 10	38"	79"	61"	60"
# 11	42"	87"	67"	66"

Notes:
1. Top bars are any horizontal reinforcing steel that has another layer of steel more than 2" below the bars or reinforcing steel that has more than 12" of concrete below the bars.
2. All horizontal reinforcing bars in walls may be detailed as "Other Bars".
3. All corner bars may be detailed as "Other Bars".



Single Footing Step



Multiple Footing Step

CONCRETE SCHEDULE

Concrete Use	Design Strength	Max W/C Ratio	Slump Limits	Entrained Air Range	Weight	Notes
Column Piers	4000 psi	n/a	6" to 8"	3% to 5%	150 pcf	Use HRWR
Exterior Slabs on Grade	4000 psi	n/a	6" to 8"	3% to 5%	150 pcf	Use HRWR
Footings	3000 psi	n/a	3" to 5"	3% to 5%	150 pcf	-
Interior Slabs on Grade	4000 psi	n/a	6" to 8"	no air	150 pcf	Use HRWR

SPREAD FOOTING SCHEDULE

Mark	Width	Length	Thickness	Reinforcing	Estimated Number Required
F36	3' - 0"	3' - 0"	1' - 0"	(4) #4 bars e.w.	6

STRIP FOOTING SCHEDULE

Type	Width	Thickness	Reinforcing	Estimate of Length
W24	2' - 0"	1' - 0"	(3)#4 bars cont w/ #4 bars @ 24" o.c. Short	167'
W36	3' - 0"	1' - 0"	(4)#4 bars cont w/ #4 bars @ 24" o.c. Short	169'

BJW STRUCTURAL ENGINEERS

BARNETT JONES WILSON, LLC ● PELL CITY ● TUSCALOOSA ● CHATTANOOGA ● WWW.STRUCT-ENGR.COM

BLUE SKY LATITUDE
1490 Northbank Parkway, Suite 271
Tuscaloosa, AL 35406
Maellis.architect@gmail.com
205-792-6321

THE VILLAGE AT SAMFORD TRACE
BUILDING 4
1940 SAMFORD AVENUE
AUBURN, AL 36830

ALABAMA REGISTERED No. 21871 PROFESSIONAL ENGINEER JENNIFER CROSS WILSON

06/26/23

JOB No. 23001

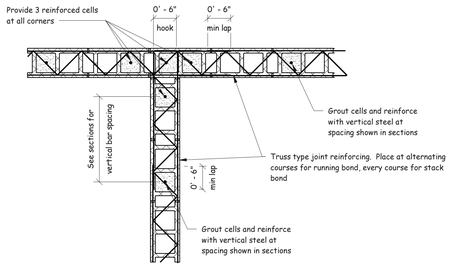
REVISION SCHEDULE

No.	Description	Date

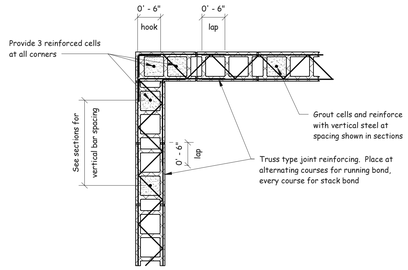
GENERAL NOTES & TYPICAL DETAILS

S0.0

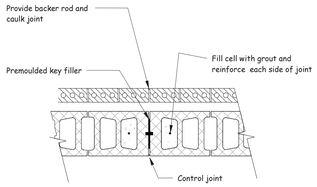
6/26/2023 4:20:17 PM



Typical Joint Reinforcing at Intersection

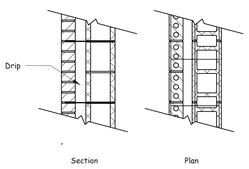


Typical Joint Reinforcing at Corner



Note:
1. See architectural plan for spacing. If spacing is not shown place joints at 3 times the wall height but not greater than 40'-0" o.c.
2. Extend all horizontal reinforcing including bond beam steel thru control joints.

Typical Masonry Wall Control Joint



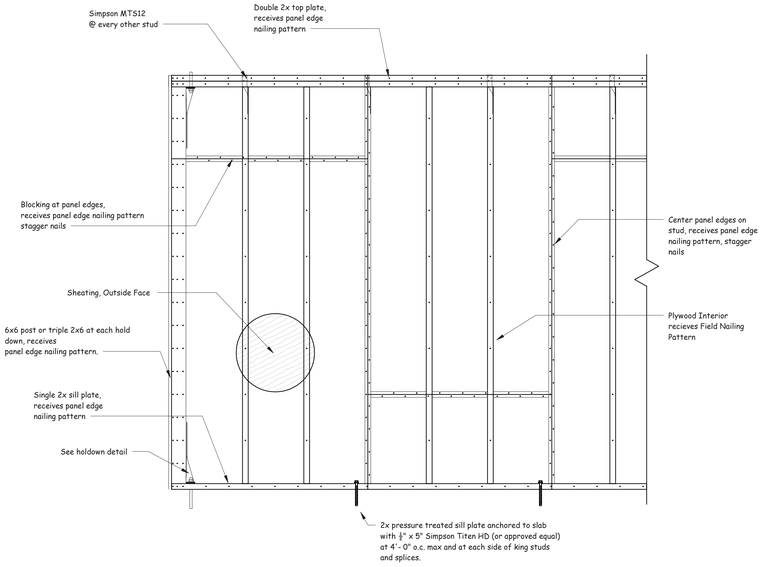
Exterior Masonry Wall Details

Note:
Place joint reinforcing shown @ 16" o.c. vertical in running bond block walls.
Place joint reinforcing @ 8" o.c. in stack bond walls

Brick Lintel Schedule

Span	Lintel Size	Bearing Each End
<= 4'-0"	L 3 1/2"x 3 1/2"x 5/16"	8"
<= 6'-0"	L 4"x3 1/2"x5/16"	8"
<= 8'-0"	L 5"x3 1/2"x5/16"	8"
<= 10'-0"	L 6"x3 1/2"x5/16"	8"
<= 12'-0"	L 7"x4"x3/8"	16"
<= 14'-0"	L 8"x4"x7/16"	16"

LINTEL NOTES:
1. All brick lintel angles are to be galvanized, long leg vertical, and shall fully bear on brick veneer.
2. Excluding any vertical brick relief steel that is attached to the structure at an elevated floor level, ALL vertical legs of standard brick lintels are to be positioned away from the structure and located against the back of the brick veneer. Vertical legs of standard brick lintels are sized such that they can not be moved away from the back of the brick veneer to where the vertical leg is up against the structure. See Arch for more detailed information of how to close any gaps between the exterior wall and the lintel.

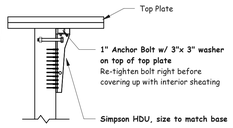


Shearwall Elevation

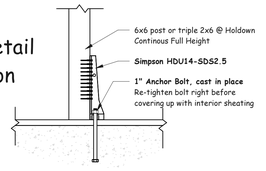
3/4"=1'-0"

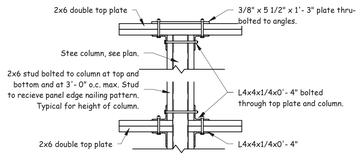
Notes:
1. All panel edges are to be blocked.
2. Each side identical, mirror detail shown other end
   Perimeter shear walls shall be sheathed w/ 1/2" structural 1 plywood Panel Edge Nailing Pattern: 10d @ 4" o.c. along blocked panel edges. Field Nailing Pattern: 10d @ 12" o.c. along studs behind panel interior.

Holdown Detail Roof

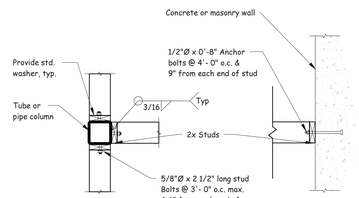


Holdown Detail Foundation

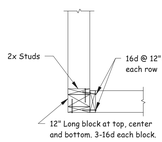




Elevation at Steel Column (A)

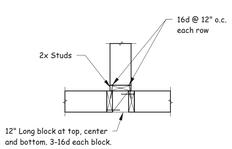


Plan at Steel Column (A)



Corner (C)

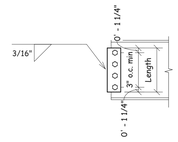
Plan at Concrete or Masonry (B)



Intersection (D)

Shear Plate Connection Schedule

Length	# of bolts	End reaction	Min plate thickness
6"	2	8.2k	1/4"
9"	3	16.3k	1/4"
12"	4	26.1k	1/4"
15"	5	36.3k	1/4"
18"	6	46.3k	1/4"
21"	7	56.4k	1/4"



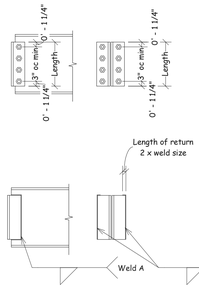
Frame Connection Schedule

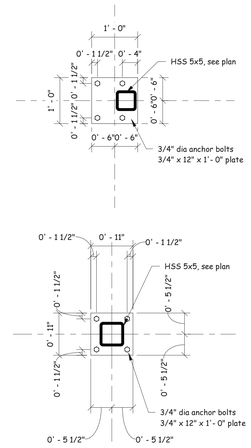
Length	# of bolts	End reaction	Min angle thickness
5-1/2"	2	37.1k	5/16"
8-1/2"	3	55.3k	5/16"
11-1/2"	4	72.7k	5/16"
14-1/2"	5	88.7k	5/16"
17-1/2"	6	104.0k	5/16"

Length	Size of Weld A	End reaction	Min angle thickness
5-1/2"	3/16"	37.1k	5/16"
8-1/2"	3/16"	55.3k	5/16"
11-1/2"	3/16"	72.7k	5/16"
14-1/2"	3/16"	88.7k	5/16"
17-1/2"	3/16"	104.0k	5/16"

Length	Size of Weld B	End reaction	Min angle thickness
5-1/2"	1/4"	14.6k	5/16"
8-1/2"	1/4"	32.2k	5/16"
11-1/2"	1/4"	53.4k	5/16"
14-1/2"	1/4"	76.6k	5/16"
17-1/2"	1/4"	101.0k	5/16"

Depth of beam	Min length of angle	Depth of beam	Min Length of angle
W12	5-1/2"	W24	11-1/2"
W14	5-1/2"	W27	11-1/2"
W16	5-1/2"	W30	14-1/2"
W18	8-1/2"	W33	14-1/2"
W21	8-1/2"	W36	17-1/2"





Typical Base Plates

Epoxy anchors may be substituted for anchor bolts with prior approval of epoxy anchors.

TYPICAL WOOD NAILING SCHEDULE

Key Name	Connection	Fastening *A,M*	Location
1	Joist to sill or girder	(3) - 8d common (2 1/2" x 0.131") -OR- (3) - 3" x 0.131" nails -OR- (3) - 3" 14 gage staples	toenail
2	Bridging to joist	(2) - 8d common (2 1/2" x 0.131") -OR- (2) - 3" x 0.131" nails -OR- (2) - 3" 14 gage staples	toenail each end
3	1" x 6" subfloor or less to each joint	(2) - 8d common (2 1/2" x 0.131")	face nail
4	Wider than 1" x 6" subfloor to each joist	(3) - 8d common (2 1/2" x 0.131")	face nail
5	2" subfloor to joist or girder	(2) - 16d common (3 1/2" x 0.162")	blind and face naill
6a	Sole plate to joist or blocking	16d (3 1/2" x 0.135") at 16" o.c. -OR- 3" x 0.131" nails at 8" o.c. -OR- 3" 14 gage staples at 12" o.c.	typical face nail
6b	Sole plate to joist or blocking at braced wall panel	(3) -16d (3 1/2" x 0.135") at 16" o.c. -OR- (4) - 3" x 0.131" nails at 16" o.c. -OR- (4) - 3" 14 gage staples at 16" o.c.	braced wall panels
7	Top plate to stud	(2) - 16d common (3 1/2" x 0.162") -OR- (3) - 3" x 0.131" nails -OR- (3) - 3" 14 gage staples	end nail
8a	Stud to sole plate	(4) - 8d common (2 1/2" x 0.131") -OR- (4) - 3" x 0.131" nails -OR- (3)- 3" 14 gage staples	toenail
8b		(2)- 16d common (2 1/2" x 0.131") -OR- (3) - 3" x 0.131" nails -OR- (3) - 3" 14 gage staples	end nail
9	Double studs	16d (3 1/2" x 0.135") at 24" o.c. -OR- 3" x 0.131" nail at 8" o.c. -OR- 3" 14 gage staples at 8" o.c.	face nail
10a	Double top plates	16d (3 1/2" x 0.135") at 16" o.c. -OR- 3" x 0.131" nail at 12" o.c. -OR- 3" 14 gage staples at 12" o.c.	typical face nail
10b		(8) - 16d common (3 1/2" x 0.131") -OR- (12) - 3" x 0.131" nails -OR- (12) - 3" 14 gage staples	lap splice
11	Blocking between joists or rafters to top plate	(3) - 8d common (2 1/2" x 0.131") -OR- (3) 3" x 0.131" nails -OR- 3 - 3" 14 gage staples	toenail
12	Rim joist to top plate	8d (2 1/2" x 0.131") at 6" o.c. -OR- 3" x 0.131" nail at 6" o.c. -OR- 3" 14 gage staples at 6" o.c.	toenail
13	Top plates, laps, and intersections	(2) - 16d common (3 1/2" x 0.162") -OR- (3) - 3" x 0.131" nails -OR- (3) 3" 14 gage staples	face nail
14	Continuous header, two pieces	16d common (3 1/2" x 0.162")	16" o.c. along edge
15	Ceiling joists to plate	(3) - 8d common (2 1/2" x 0.131") -OR- (5) - 3" x 0.131" nails -OR- (5) - 3" 14 gage staples	toenail
16	Continuous header to stud	(4) - 8d common (2 1/2" x 0.131")	toenail
17	Ceiling joists, laps over partitions	(3) - 16d common (3 1/2" x 0.162") min -OR- (4) - 3" x 0.131" nails -OR- (4) 3" 14 gage staples	face nail
18	Ceiling joists to parallel rafters	(3) - 16d common (3 1/2" x 0.162") min -OR- (4) - 3" x 0.131" nails -OR- (4) 3" 14 gage staples	face nail
19	Rafter to plate	(3) - 8d common (2 1/2" x 0.131") -OR- (3) - 3" x 0.131" nails -OR- (3) 3" 14 gage staples	toenail
20	1" diagonal brace to each stud and plate	(2) - 8d common (2 1/2" x 0.131") -OR- (2) - 3" x 0.131" nails -OR- (2) 3" 14 gage staples	face nail
21	1" x 8" sheathing to each bearing	(3) - 8d common (2 1/2" x 0.131")	face nail
22	Wider than 1" x 8" sheathing to eaech bearing	(3) - 8d common (2 1/2" x 0.131")	face nail
23a	Built-up corner studs	16d common (3 1/2" x 0.162")	24" o.c.
23b		3" x 0.131" nails	16" o.c.
23c		3" 14 gage staples	16" o.c.
24a	Built up girder and beams	20d common (4" x 0.192") 32" o.c. -OR- 3" x 0.131" nail at 24" o.c. -OR- 3" 14 gage staples	face nail at top and bottom staggered on opposite sides
24b		(2) - 20d common (4" x 0.192") -OR- (3) - 3" x 0.131" nails -OR- (3) 3" 14 gage staples	face nail at ends and at each splice
25	2" planks	16d common (3 1/2" x 0.162")	at each bearing
26	Collar tie to rafter	(3) - 10d common (3" x 0.148") -OR- (4) - 3" x 0.131" nails -OR- (4) 3" 14 gage staples	face nail
27a	Jack rafter to hip	(3) - 10d common (3" x 0.148") -OR- (4) - 3" x 0.131" nails -OR- (4) 3" 14 gage staples	toenail
27b		(2) - 16d common (3 1/2" x 0.162") -OR- (3) - 3" x 0.131" nails -OR- (3) - 3" 14 gage staples	face nail
28a	Roof rafter to 2-by ridge beam	(2) - 16d common (3 1/2" x 0.162") -OR- (3) - 3" x 0.131" nails -OR- (3) - 3" 14 gage staples	toenail
28b		(2) - 16d common (3 1/2" x 0.162") -OR- (3) - 3" x 0.131" nails -OR- (3) - 3" 14 gage staples	face nail
29	Joist to band joist	(3) - 16d common (3 1/2" x 0.162") -OR- (4) - 3" x 0.131" nails -OR- (4) - 3" 14 gage staples	face nail
30	Ledger strip	(3) - 16d common (3 1/2" x 0.162") -OR- (4) - 3" x 0.131" nails -OR- (4) - 3" 14 gage staples	face nail at each joist
31a (i)	Wood structural panels and particleboard subfloor, roof, and sheathing (to framing)	FOR 1/2" AND LESS: 6d *C,I* -OR- 2 3/8" x 0.113" nail *N* -OR- 1 3/4" 16 gage *O*	
31a (ii)		FOR 19/32" TO 3/4": 8d *D* or 6d *E* -OR- 2 3/8" x 0.113" nail *P* -OR- 2" 16 gage *P*	
31a (iii)		FOR 7/8" to 1": 8d *C*	
31a (iv)		FOR 1 1/8" to 1 1/4": 10d *D* or 8d *E*	
31b (i)	Single floor (combination subfloor-underlayment to framing)	FOR 3/4" AND LESS: 6d *E*	
31b (ii)		FOR 7/8" to 1": 8d *E*	
31b (iii)		FOR 1 1/8" to 1 1/4": 10d *D* or 8d *E*	
32a (i)	Panel siding (to framing)	FOR 1/2" or less: 6d *F*	
32a (ii)		FOR 5/8": 8d *F*	
33a (i)	Fiberboard sheathing *G*	FOR 1/2": No. 11 gage roofing nail *H* -OR- 6d common nail (2" x 0.113") -OR- No. 16 gage staple *I*	
33a (ii)		FOR 25/32": No. 11 gage roffing nail *H* -OR- 8d common nail (2 1/2" x 0.131") -OR- No. 16 gage staple *I*	
34a (i)	Interior paneling	FOR 1/4": 4d *J*	
34a (ii)		FOR 3/8": 6d *K*	

TYPICAL WOOD NAILING SCHEDULE NOTES

Key Name	Comments
A	Common or box nails are permitted to be used except where otherwise stated.
B	Nails spaced at 6 inches on center at edges, 12 inches at intermediate supports except 6 inches at supports where spans are 48 inches or more. For nailing of wood structural panel and particle board diaphragms and shear walls, refer to IBC 2009, Section 2305. Nails for wall sheathing are permitted to be common, box, or casing.
C	Common or deformed shank (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d - 3" x 0.148")
D	Common (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d - 3" x 0.148")
E	Deformed shank (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d - 3" x 0.148")
F	Corrosion-resistant siding (6d - 1 7/8" x 0.106"; 8d - 2 3/8" x0.128") or casing (6d - 2" x 0.099"; 8d - 2 1/2" x 0.113") nail
G	Fasteners spaced 3 inches on center at exterior edges and 6 inches on center at intermediate supports, when used as structural sheathing. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications.
H	Corrosion-resistant roofing nails with 7/16 - inch diameter head and 1 1/2 - inch length for 1/2 - inch sheathing and 1 3/4 - inch length for 25/32 - inch sheathing
I	Corrosion-resistant staples with nominal 7/16 - inch crown or 1 - inch crown and 1 1/4 - inch length for 1/2 - inch sheathing and 1 1/2 - inch sheathing and 1 1/2 - inch length for 25/32 - inch sheathing. Panel supports at 16 inches (20 inches if strenth axis in the long direction of the panel, unless otherwise marked).
J	Casing (1 1/2" x 0.080") or finish (1 1/2" x 0.072") nails spaced 6 inches on panel edges, 12 inches at intermediate supports.
K	Panel supports at 24 inches. Casing or finish nails spaced 6 inches on panel edges, 12 inches at intermediate supports.
L	For roof sheathing applications, 8d nails (2 1/2" x 0.113") are the minimum required for wood structural panels.
M	Staples shall have aminimum crown width of 7/16 - inch.
N	For roof sheathing applications, fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports.
O	Fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports for subfloor and wall sheathing and 3 inches on center at edges, 6 inches at intermediate supports for roof sheathing.
P	Fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports.

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THE VILLAGE AT SAMFORD TRACE BUILDING 4

1940 SAMFORD AVENUE
AUBURN, AL 36830

ALABAMA REGISTERED No. 21871 PROFESSIONAL ENGINEER JENNIFER CROSS WILSON

06/26/23

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

TYPICAL DETAILS

S0.1

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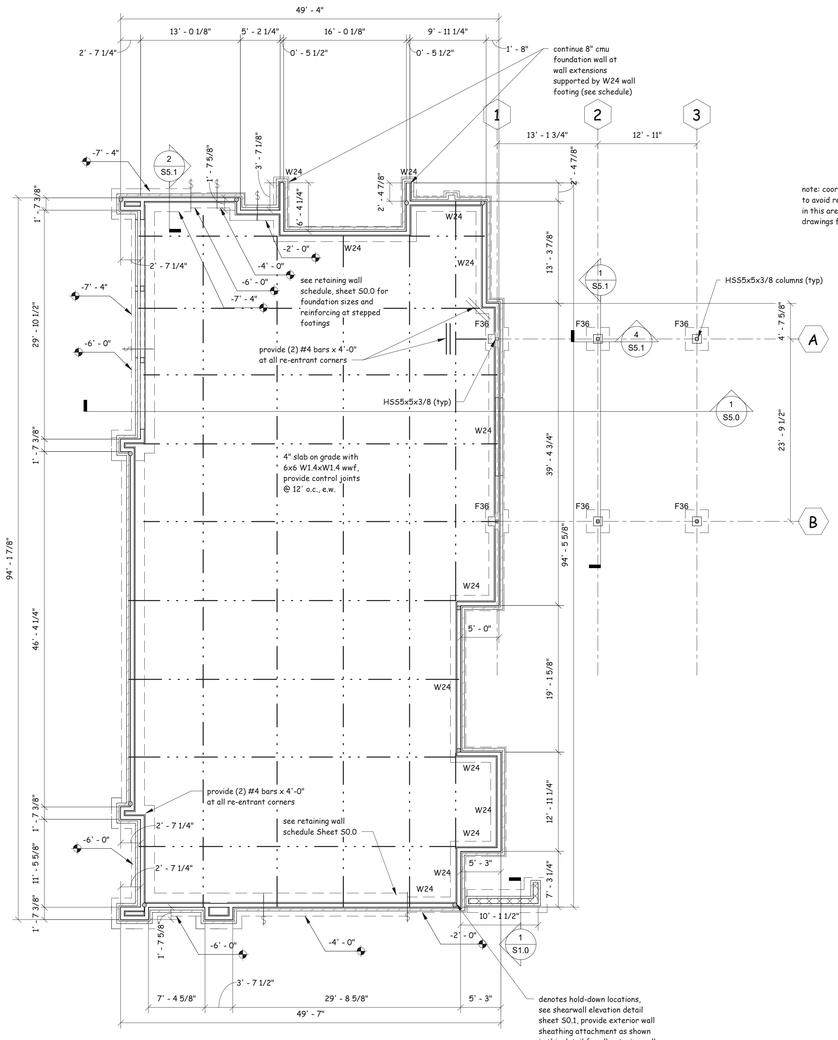
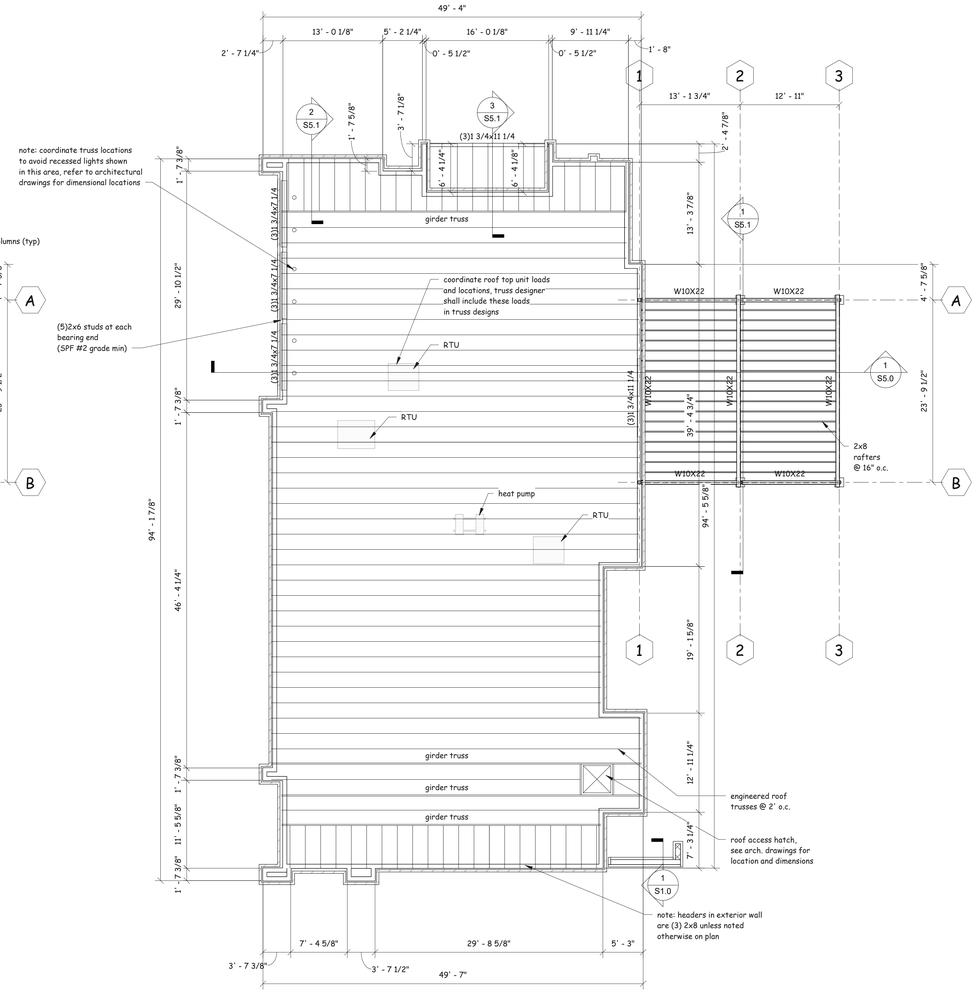


FOUNDATION PLAN

1/8" = 1'-0"

Sheet Notes:

1. See S0 Sheets for Typical Details & General Notes
2. Reference all elevations to FF EL (+)0'-0"
3. Exterior Top of Footing EL (-)2'-0" minimum below adjacent grade (uno).
4. $ indicates footing step locations.
5. Provide (2)#4 x 4'-0" at all re-entrant corners, space 6" off each corner.
6. Control Joint spacing 12'-0" max/ see typical detail, coord layout w/ arch/tenant. Joint width to length ratio shall not exceed 1.5 to 1.

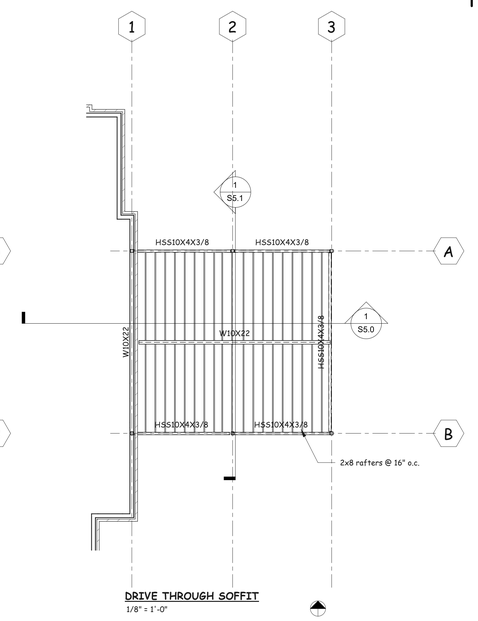


ROOF FRAMING PLAN

1/8" = 1'-0"

Sheet Notes:

1. See Sheet No S0.0 for typical details and general notes.
2. Reference all elevations to finish floor elevation (+) 0'-0"
3. Top of Steel Elevation - See sections.
4. Truss Bearing Elevation (+) 12'-8".
5. Roof construction 3/4" plywood deck with H-clips. Attach with 8d nails @ 6" o.c.
6. Refer to architectural drawings for all dimensions, slopes, elevations, etc. not illustrated on this plan. Coordinate all final dimensions and elevations with architectural.
7. Truss loading: Top Chord Live Load = 20psf, Top Chord Dead Load = 10 psf, Bottom Chord Dead Load = 10 psf.
8. Coordinate final roof top unit weights and locations - these loads should be included in the truss designs.
9. Truss requirements: (note that all of these requirements must be included in the truss submittal prior to receiving approval)
   a) Furnish design calculations sealed by a Professional Engineer licensed in the state of Alabama for all truss members.
   b) Truss manufacturer shall specify and provide all truss to truss and truss bearing connections, and not contain mention of "by others" in relation to design.
   c) Truss manufacturer shall be responsible for providing and illustrating all temporary and permanent bracing required.
   d) Truss manufacturer shall provide SYP #2, 2x6 studs minimum for top and bottom chords of trusses.
   e) All required blocking for trusses shall be designed by the truss designer.

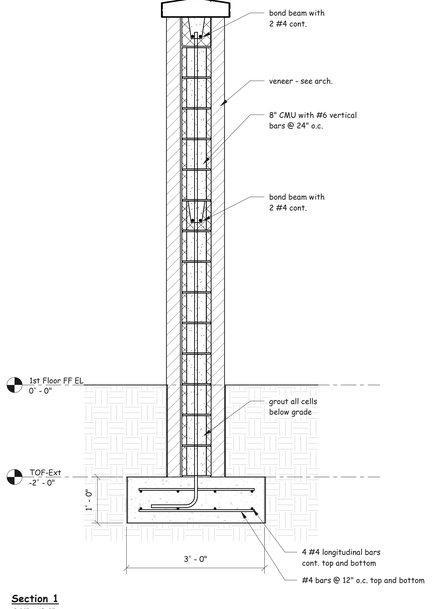


DRIVE THROUGH SOFFIT

1/8" = 1'-0"

Sheet Notes:

1. See Sheet No S0.0 for typical details and general notes.
2. Reference all elevations to finish floor elevation (+) 0'-0"
3. Top of Steel Elevation - See sections.
4. Truss Bearing Elevation (+) 12'-8".
5. Soffit sheathing construction 3/4" plywood deck with H-clips. Attach with 8d nails @ 6" o.c.
6. Refer to architectural drawings for all dimensions, slopes, elevations, etc. not illustrated on this plan. Coordinate all final dimensions and elevations with architectural.



Section 1

3/4" = 1'-0"

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THE VILLAGE AT SAMFORD TRACE BUILDING 4

1940 SAMFORD AVENUE
AUBURN, AL 36830

ALABAMA REGISTERED No. 21871 PROFESSIONAL ENGINEER JENNIFER CROSS WILSON

06/26/23

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

FOUNDATION & ROOF PLAN

S1.0

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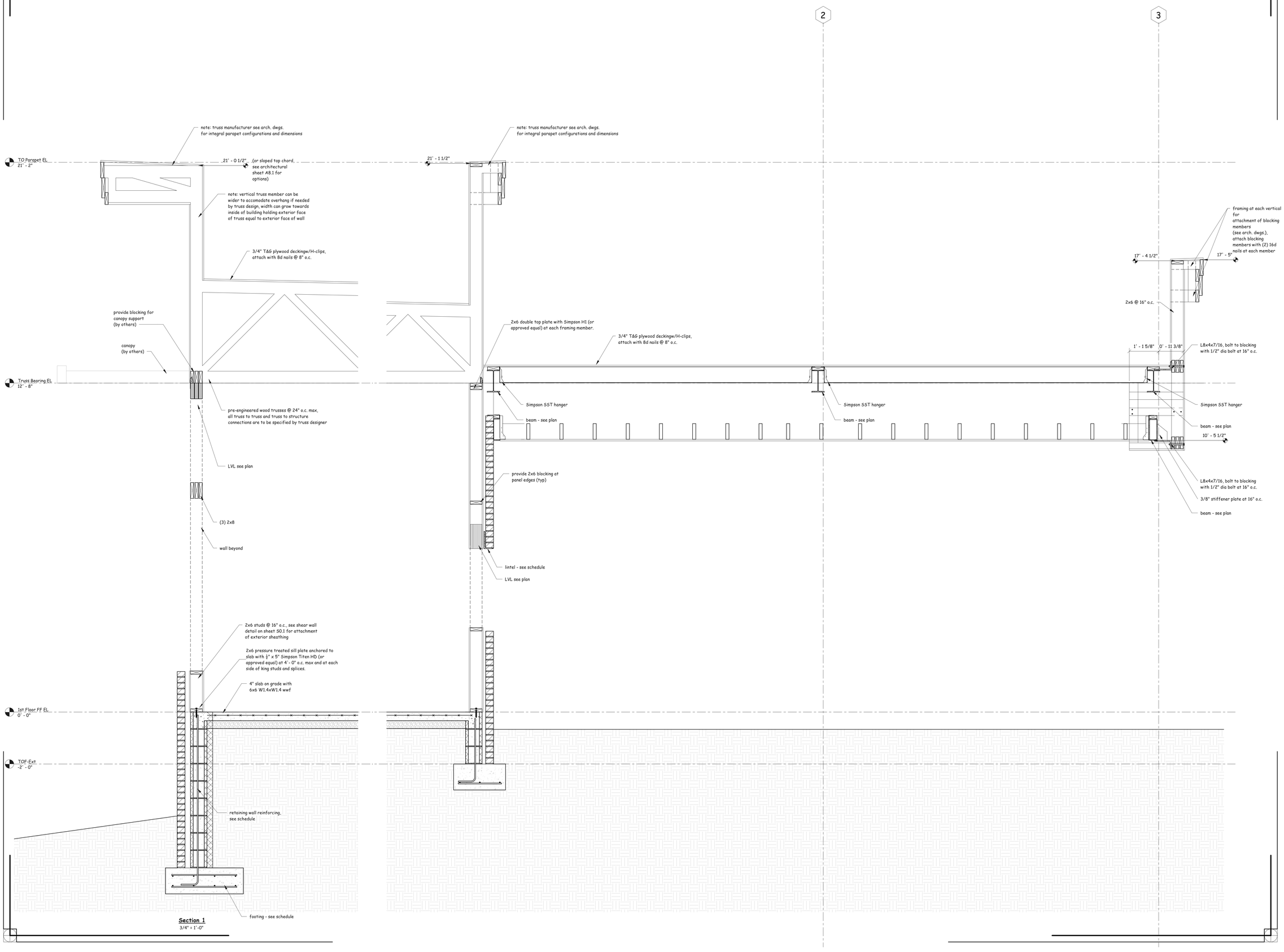

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06/26/23

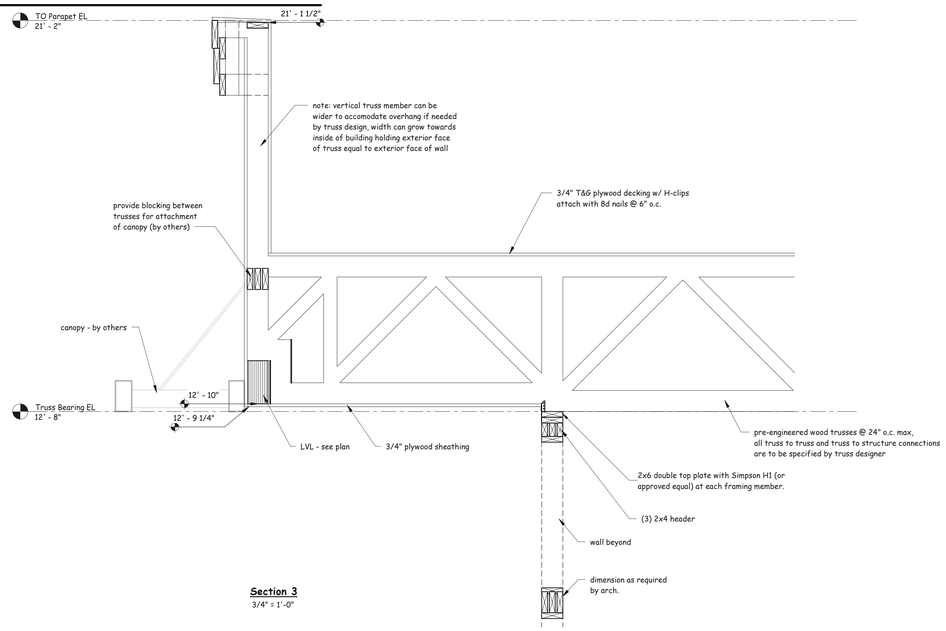
JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

SECTIONS & DETAILS

S5.0



Section 3
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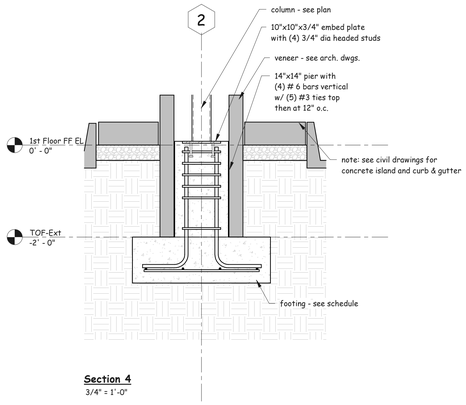

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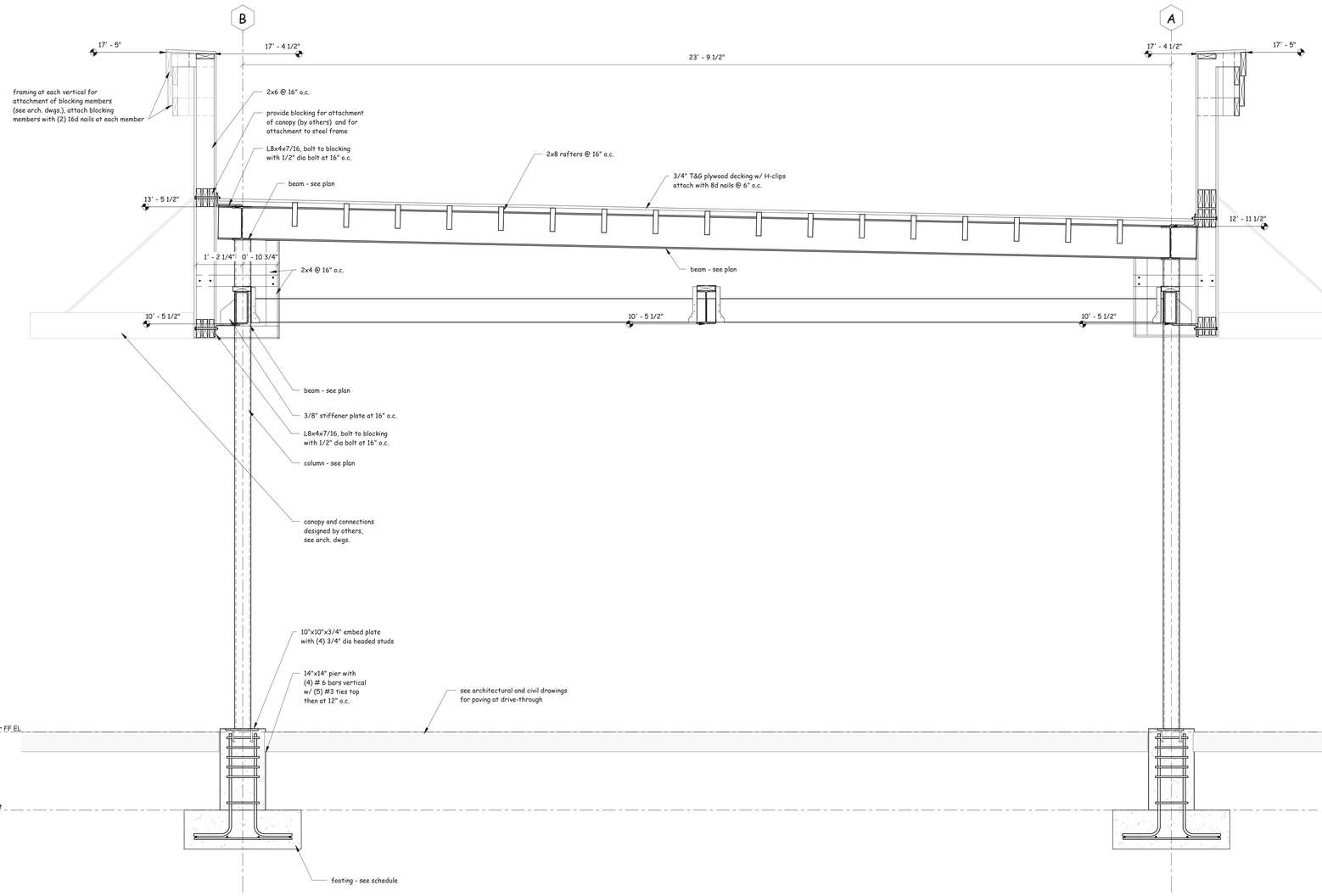
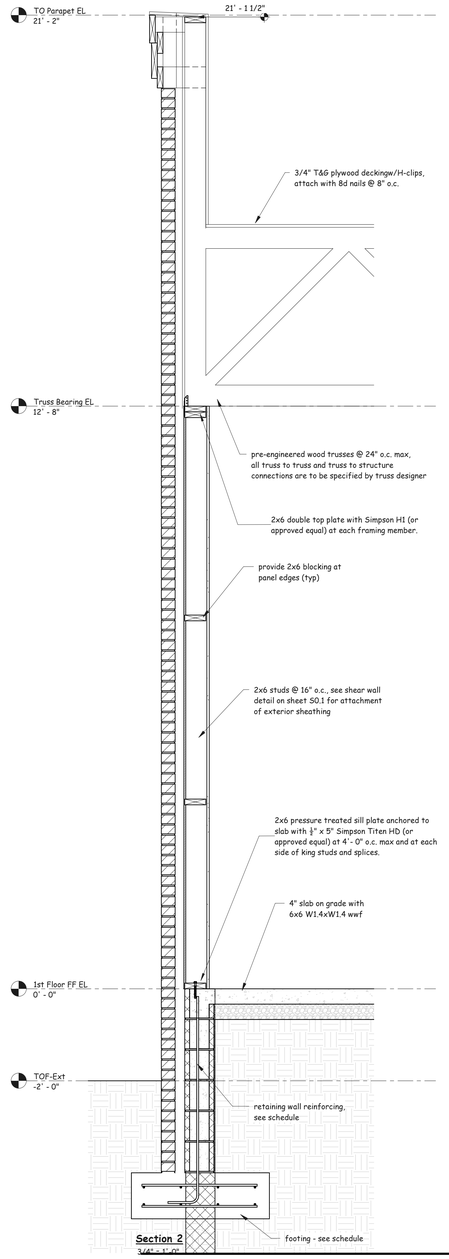


Section 1
3/4" = 1'-0"



Section 2
3/4" = 1'-0"

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REVISION SCHEDULE

No.	Description	Date

SECTIONS & DETAILS

S5.1

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IRRIGATION NOTES:

GENERAL:

1. ALL AREAS TO BE LANDSCAPED AND/OR GRASS-SODDED SHALL BE SERVED BY A LAWN SPRINKLER SYSTEM. SPRINKLER SYSTEM SHALL BE DESIGNED BY THE INSTALLER AS PER THE REQUIREMENTS OF THE SPECIFICATIONS. PROVIDE SEPARATE LANDSCAPING BED AND LAWN SPRINKLER HEADS AS APPLICABLE. COORDINATE WITH CIVIL FOR LOCATION OF SLEEVES BENEATH DRIVE AREAS TO ISLANDS. COORDINATE WITH ARCHITECT FOR IRRIGATION METER LOCATION. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER REQUIREMENTS.
2. ANY DISCREPANCIES BETWEEN THIS SHEET AND OTHERS IN THIS SET MUST BE REFERRED TO THE ARCHITECT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
3. DO NOT MAKE SUBSTITUTIONS. IF CONTRACTOR DESIRES TO MAKE SUBSTITUTIONS OF MATERIALS SUFFICIENT DESCRIPTIVE LITERATURE AND MATERIAL SAMPLES MUST BE FURNISHED TO ESTABLISH THE MATERIAL AS A EQUAL SUBSTITUTE. IN ADDITION, THE CONTRACTOR MUST STATE THEIR REASONS FOR DESIRING SUBSTITUTE MATERIALS. SUBMIT THIS REQUEST AND INFORMATION TO THE ARCHITECT.

ITEMS PROVIDED AND COORDINATED BY CONTRACTOR:

1. POWER CONNECTION TO THE IRRIGATION CONTROLLER.
2. PERMANENT IRRIGATION CONTROLLER AND MOUNTING.
3. COORDINATE FINAL LOCATION OF CONTROLLER WITH ARCHITECT.
4. PROVIDE SLEEVES AS NECESSARY TO FACILITATE INSTALLATION. SLEEVES SHALL BE 4" DIAMETER, SCH 40 PIPE.
5. EQUIPMENT REQUIRED BY THE SPECIFICATIONS BUT NOT NOTED ON THE DRAWINGS.
6. THE TAP (2" METER AND BACKFLOW PREVENTER).
7. PROPER COVERAGE OF AREAS TO BE WATERED. ADJUST HEADS WITH INSUFFICIENT COVERAGE DUE TO BLOCKAGE BY EXISTING OR PROPOSED SITE FEATURES.
8. MATERIAL TO BE SUPPLIED BY CONTRACTOR TO OWNER: A) TWO WRENCHES FOR DISASSEMBLING AND ADJUSTING EACH TYPE OF SPRINKLER HEAD AND VALVE SUPPLIED. B) TWO KEYS FOR EACH AUTOMATIC CONTROLLER. C) TWO QUICK COUPLER KEYS WITH MATCHING HOSE SWIVELS.

SUBMITTALS:

1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR A LANDSCAPE IRRIGATION SYSTEM PRIOR TO INSTALLATION. THESE DRAWINGS SHALL INCLUDE A PLAN LAYOUT AND DETAILS ILLUSTRATING LOCATIONS, TYPES OF HEADS, VALVES, PIPING CIRCUITS, CONNECTIONS, CONTROLS, AND ACCESSORIES. THE PLAN SHALL BE DRAWN AT THE SAME SCALE AS THE LANDSCAPE PLAN AND SHALL COVER THE ENTIRE AREA WHERE IRRIGATION IS REQUIRED.

PERFORMANCE:

1. HEADS PLACED IN SHRUB BEDS SHALL HAVE 12" POP-UPS UNLESS OTHERWISE NOTED.
2. USE VARIABLE ARC SPRAY HEADS WHEN NECESSARY.
3. MATCH PRECIPITATION RATES ON ALL CIRCUITS.
4. WORK MUST COMPLY WITH LOCAL CODES.
5. REFER TO LANDSCAPE PLAN TO KEEP SPRINKLER EQUIPMENT AND ACCESSORY MATERIAL FROM INTERFERRING WITH PROPER PLANTING.
6. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 3/4" PIPE 12 TIMES).
7. UTILIZE APPROPRIATE AUTOMATIC DRAIN DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR.
8. ADD EXTENSION RISER TO POP-UP HEADS WHEN NEEDED FOR PROPER COVERAGE.
9. INSTALL MAIN LINES A MAXIMUM OF 2" FROM THE BACK OF CURBS WHERE POSSIBLE.
10. LATERAL LINES SHALL BE INSTALLED LIKEWISE WHERE POSSIBLE.
11. ACTUAL HEAD PLACEMENT IN PARKING LOT ISLANDS IS TO BE 18" FROM BACK OF CURB FOR SHRUB PLANTINGS AND 6" FROM BACK OF CURB FOR LAWNS.
12. ADJUST THE RADIUS AND ARC OF EACH HEAD TO MINIMIZE "OVERTHROW" AND TO ELIMINATE "DRY SPOTS".
13. PROVIDE CONCRETE THRUST BLOCKS AT CHANGES IN DIRECTION OF THE MAIN SUPPLY LOOP.

ELECTRICAL:

1. MAKE NO ELECTRICAL CONNECTIONS IN THE FIELD, EXCEPT IN A VALVE CONTROL BOX OR ANOTHER VALVE BOX SPECIFICALLY FOR CONNECTIONS.
2. ALL 24 VOLT WIRE SHALL BE #12 UF/UL FOR COMMON WIRE, AND #14 UF/UL FOR CONTROL WIRES, DIRECT BURIAL, SOLID COPPER.
3. 24 VOLT WIRE SHALL BE COLOR CODED: COMMON-WHITE, CONTROL-RED.
4. ELECTRIC VALVE CONTROL WIRE TO BE 14 GAUGE MINIMUM. PLACE ONE EXTRA "HOT" WIRE AND ONE EXTRA "COMMON" WIRE AT FURTHEST VALVE IN EACH DIRECTION FROM CLOCK.

TABLE AND LANDSCAPING PLAN NOTES:

QUANTITY NOTE: ALL QUANITITES SHOULD BE VERIFIED WITH THE LANDSCAPING PLAN BELOW. QUANTITIES SHOWN FOR REFERENCE PURPOSES ONLY.

METAL EDGING NOTE: ALL TREES AND LANDSCAPING BEDS SHALL BE EDGED WITH 4 INCH METAL EDGING MATERIAL, WHETHER INDICATED OR NOT. TOP OF EDGING TO BE FLUSH WITH ADJACENT GRASS SOD FINISH SURFACE.

LANDSCAPING FABRIC NOTE: ALL AREAS THAT ARE LANDSCAPE BEDS OR TREE WELLS SHALL HAVE A LANDSCAPING FABRIC PLACED UNDER THE MULCH TO PROTECT AGAINST WEEDS. .

QUANTITY	SYMBOL	COMMON NAME	MARK	BOTANICAL NAME	VARIETY	SIZE	Caliper	Spread	Root Ball	Spacing	Comments
9		Nuttall Oak	NO	Quercus nuttalli		10'-12' Tall	3"-3.5"	6'-7'	28"-32"	As Shown	Strong Central Leader
4		River Birch	RB	Betula nigra		10'-12' Tall	3"-3.5"	6'-7'	28"-32"	As Shown	Strong Central Leader
16		Princeton Elm	PM			8'-0" Tall	3"	5'-6'	24"-28"	As Shown	Strong Central Leader
3		Overcup Oak	OC			6'-8' Tall	3"	5'-6'	24"-28"	As Shown	Strong Central Leader
3		Natchez Crape Myrtle	CM	Lagerstroemia Indica - Alba	Natchez	8'-10' Tall	2" Min	As Shown	24"-28"	5'-6'	As Shown
Not Used		Mine-No-Yuki Sasarqua Camellia	MC	Camellia sasanqua	Mine-No-Yuki	30"-36"	-	24"-30"	7gal	48" O.C.	Full
131		False Cypress 'Lemon Thread'	FC	Chamaecyparis Pisifera		18"-24" Spread	-	18"-24"	2 gal	30" O.C.	Full
Not Used		Wax Leaf Ligustrum	WL	Ligustrum Japonicum	Northern Bayberry	3'-4'	-	12"-24"	3 gal	As Shown	As Shown
57		Red Ruffles Azalea	RA	Rhododendrun indicum	Red Ruffles	18"-24" Spread	-	18"-24"	3 gal	36" O.C.	Full
97		White Azalea	WA	Azalea Hybrida	Satsuki Hybrid Azalea	18"-24" Spread	-	18"-24"	3 gal	36" O.C.	Full
145		Dwarf English Boxwood	BOX	Buxus Semperviren "Soffroticosa"		1 gal	-	24" O.C.	1 gal	As Shown	Full
177		Cinnamon Girl Distylium	CGD			15"-18"	-	15"-18"	3 gal	30" O.C.	Full
24		Emerald Green Arborvitae	EA	Thuja Accidentalis		6'-8'	-	24"	24"-28"	As Shown	Full
NOT USED		Needlepoint Holly	NH	Ilex cornuta "Delcambre"	Needlepoint Holly	18"-24"	-	18"-24"	3 gal	30" O.C.	Full and Compact
45		Semi-Dwarf Loropetalum	LOR	Loropetalum Chinense "Shang-hi"PP18331		14" - 20" Tall	-	12"-15"	2 gal	36" O.C.	Full
Not Used		Dwarf Burford Holly	BH	Ilex cornuta "Dwarf Burford"	Chinese Holly	4' Tall		8'-10'	5 gal	As Shown	Full
63		Broom Sedge Bluestem	BS	Andropogon virginicus	Sage Grass / Whiskey Grass	12"-18"	-	12"-18"	3 gal	18" O.C.	
NOT USED		Dwarf Mondo Grass	DM	Ophiopogon Japonicum 'Nana'		4" Pots	-	-	4" pots	6" Spacing	
ALL DISTURBED AREAS		Zoysia Sod	SOD	Meyer Z-52 Zoysia Sod		Sod					All Disturbed Areas
670 SF +/-		Asiatic Jasmine	AJ	Trachelosperrmum asiaticum		Sod			1 gal	18" O.C.	Full

LANDSCAPE AND ARCHITECTURAL SITE PLAN

GENERAL NOTE:

1. COORDINATE WITH CIVIL, MP&E DRAWINGS FOR FULL SCOPE OF SITE DEMOLITION AND NEW SITE CONSTRUCTION ITEMS.

LANDSCAPING NOTES:

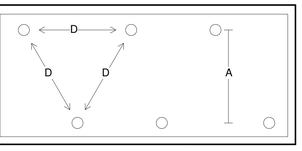
1. LANDSCAPE CONTRACTOR SHALL REVIEW LANDSCAPING PLAN WITH OWNER BEFORE PURCHASING AND INSTALLING ANY LANDSCAPING MATERIALS.
2. INSTALL GRASS SOD ON ALL DISTURBED UNPAVED AREAS WHETHER INDICATED IN DRAWINGS OR NOT.
3. PROVIDE 4" OF TOPSOIL MATERIAL AT ALL LANDSCAPED AREAS INCLUDING ALL GRASS-SOD AND PLANTING BED AREAS.
4. INSTALL WEED FABRIC AT ALL MULCHED AREAS
5. COORDINATE THE LANDSCAPING DESIGN AND INSTALLATION WITH ALL UNDERGROUND AND OVERHEAD SITE UTILITIES
6. ALL MULCH BEDS SHALL BE PROVIDED WITH MINIMUM 2" DEPTH OF MULCH - SEE SPECS FOR MULCHING REQUIREMENTS
7. ALL CANOPY TREES TO HAVE A 2" CALIPER SIZE.
8. PROVIDE PREFINISHED METAL EDGING AT ALL SOD TO MULCH TRANSITIONS

SIDEWALK NOTES:

1. ALL SIDEWALKS SHALL BE MINIMUM 4" THICK CONCRETE.
2. ALL SIDEWALKS SHALL HAVE CONTROL JOINTS AS INDICATED ON THIS SHEET AND LA1.11.
3. ALL SIDEWALKS SHALL HAVE EXPANSION JOINTS AT EVERY CHANGE IN DIRECTION, AND AS SPECIFICALLY NOTED ON THE PLAN.
4. PROVIDE 1/2" EXPANSION JOINTS WHERE CONCRETE WALKS & PATIOS MEET BUILDING, LAMP POSTS, HYDRANTS, FOOTINGS, DRIVEWAYS, AND CURBS. FILL EXPANSION JOINTS WITH BACKER ROD & SEALANT WHERE EXPOSED.
5. COORDINATE LOCATION OF ALL NEW WALKS WITH CIVIL DRAWINGS.

PLANTING SPACING CHART

PLANT MATERIAL	"A" SPACING	"D" SPACING
CAST IRON PLANT	10"	12"
ASIATIC JASMINE	15"	18"
DWARF BURFORD HOLLY		36"
NEEDLE POINT HOLLY	30"	36"



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NEW CONSTRUCTION:

THE VILLAGE AT SAMFORD TRACE

BUILDINGS 3 AND 4 - LANDSCAPING

1800 SAMFORD TRACE COURT - 1920 SAMFORD AVENUE
AUBURN, ALABAMA 36830

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date
		6/20/23

LANDSCAPE & ARCHITECTURAL SITE PLAN

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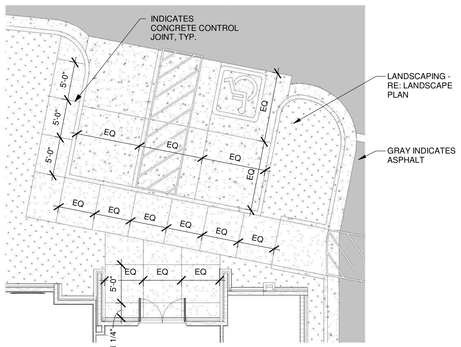
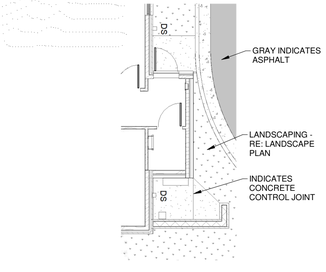
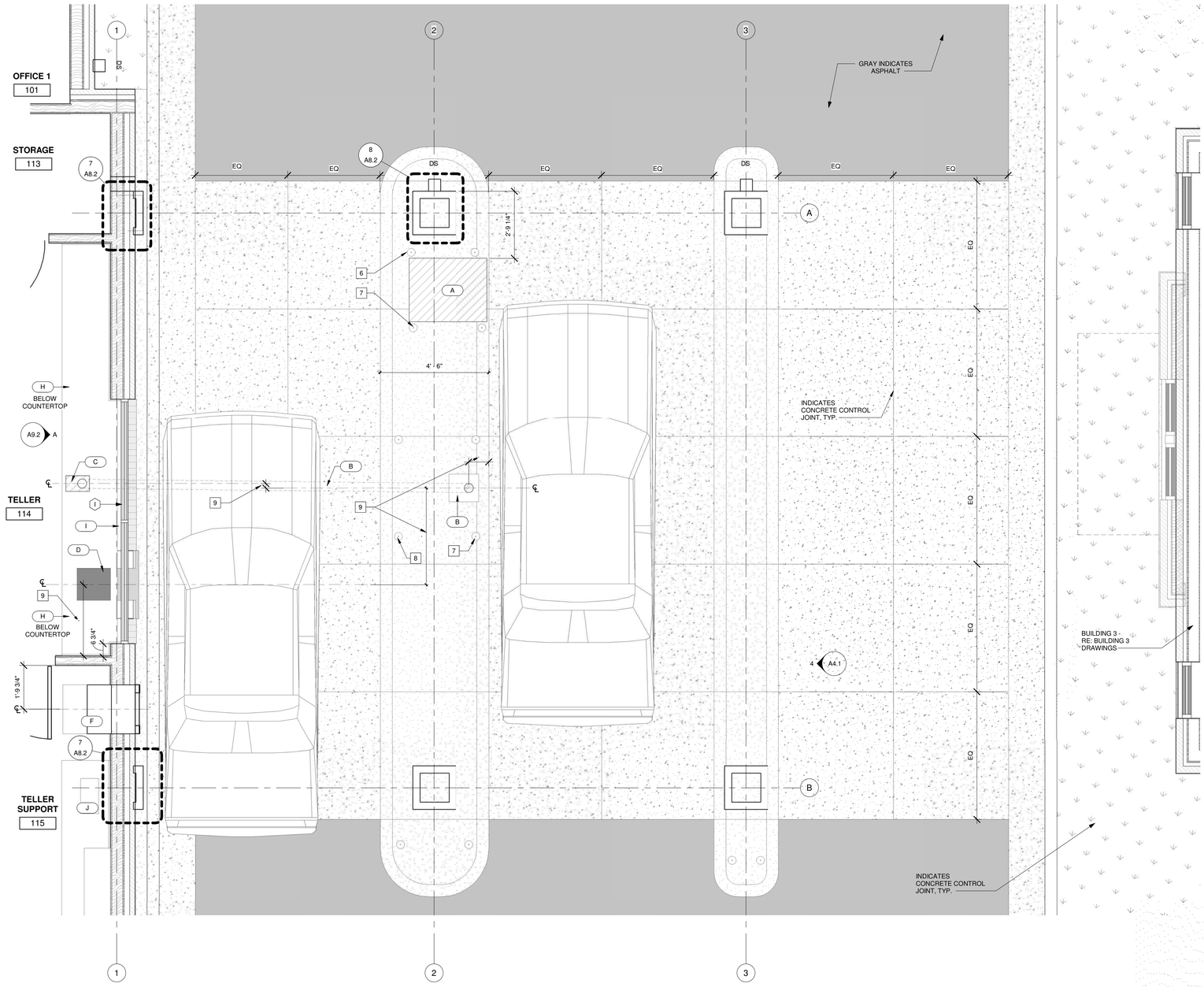


NORTH 2 A0.2 ENTRANCE SIDEWALK JOINTS
1/8" = 1'-0"



NORTH 3 A0.2 EMPLOYEE ENTRANCE SIDEWALK JOINTS
1/8" = 1'-0"



NORTH 1 A0.2 ENLARGED DRIVE-THRU PLAN
1/2" = 1'-0"

FLOOR PLAN KEYNOTES

1. ROOF ACCESS LADDER EQUAL TO PRECISION LADDERS FL SERIES ALUMINUM LADDER.
2. DIMENSION TO FACE OF STUD BELOW LOW WALL.
3. 5/8" GYP BOARD ON 2X4 WOOD FRAMING WITH RECESS FOR DISPLAY MONITORS. COORDINATE RECESS DIMENSIONS WITH TENANT I.T. DEPARTMENT FOR ACTUAL TV DIMENSIONS PLUS 3 INCHES CLEAR IN EACH DIRECTION. TV MONITOR SHALL BE VERTICALLY MOUNTED BY THE TENANT.
4. KEY PAD.
5. RE: ELECTRICAL FOR GRADE MOUNTED LIGHT FIXTURES AT THIS AREA.
6. INDICATES BOLLARD, TYP. EQUAL TO TOURNESOL B-2 BOLLARD WITH 5" DIAMETER, 48" HEIGHT, AND EMBED MOUNTING PER MANUFACTURER'S RECOMMENDATIONS. POWDER COATED FINISH AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD RANGE.
7. SPACE BOLLARDS AS REQUIRED BY EQUIPMENT MANUFACTURER.
8. PLACE TWO BOLLARDS ON THIS SIDE OF PNEUMATIC TUBE CUSTOMER UNIT EVEN THOUGH THEY'RE NOT SHOWN ON MANUFACTURER'S CUT SHEETS.
9. DIMENSIONS PER EQUIPMENT MANUFACTURER'S RECOMMENDAATIONS.
10. COUNTERTOP DIES INTO WINDOW FRAME HERE.

BANK EQUIPMENT SCHEDULE X

RE: BANK EQUIPMENT ON A12 SHEETS.

EQUIPMENT DESIGNATION	EQUIPMENT NAME	PROVIDED BY	INSTALLED BY	NOTES
A	DRIVE-UP ISLAND ATM	TENANT	TENANT	
B	PNEUMATIC TUBE SYSTEM	TENANT	TENANT	
C	TELLER TERMINAL	TENANT	TENANT	
D	DEAL DRAWER	TENANT	GC	
E	NOT USED	-	-	
F	NIGHT DROP	TENANT	GC	
G	SAFE AKA PORTA VAULT	TENANT	TENANT	
H	CASH PEDESTAL	TENANT	TENANT	
I	TELLER WINDOW	TENANT	GC	
J	DEBIT CARD PRINTER	TENANT	TENANT	
K	DRIVE-THRU LANE SIGNS	TENANT	GC	
L	TELLER CASH RECYCLER	TENANT	TENANT	
M	TELLER POD MILLWORK	GC	GC	

BANK EQUIPMENT NOTES

1. RE: BANK EQUIPMENT ON A12 SHEETS.
2. BANK EQUIPMENT SHOWN FOR REFERENCE ONLY. ACTUAL MANUFACTURER AND PRODUCTS SHALL BE TENANT-SUPPLIED AND CONTRACTOR INSTALLED. DIFFERENT MANUFACTURERS AND PRODUCTS MAY BE SELECTED INSTEAD OF THE EQUIPMENT SHOWN HERE. VERIFY ALL PRODUCTS AND SELECTIONS PRIOR TO CONSTRUCTION AND FABRICATION. COORDINATE AND ACCOMMODATE ANY CHANGES OR DIMENSIONS.

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NEW CONSTRUCTION:
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BUILDING 4 - SMARTBANK
1940 SAMFORD AVENUE
AUBURN, AL 36830

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

DRIVE-THRU PLAN &
CONC PAVEMENT JOINTS

A0.2

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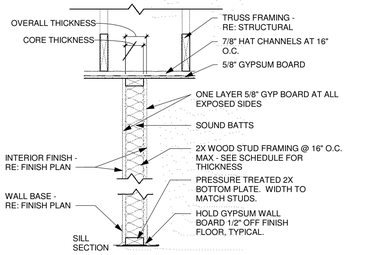
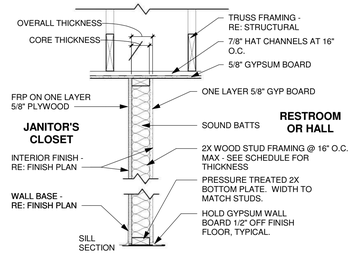


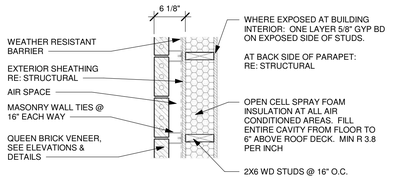
INTERIOR PARTITION TYPE W

MARK	CORE THICKNESS	OVERALL THICKNESS	COMMENTS
W4-A	2X4	0' - 4 3/4"	
W6-A	2X6	0' - 6 3/4"	



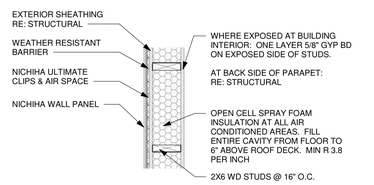
INTERIOR PARTITION TYPE Z

MARK	CORE THICKNESS	OVERALL THICKNESS	COMMENTS
Z4-A	2X4	0' - 4 3/4"	



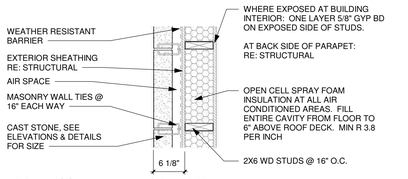
EXTERIOR WALL TYPE X1

1" = 1'-0"



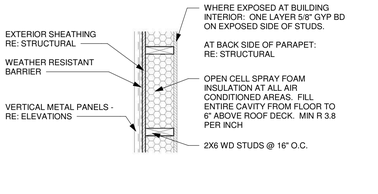
EXTERIOR WALL TYPE X4

1" = 1'-0"



EXTERIOR WALL TYPE X2

1" = 1'-0"



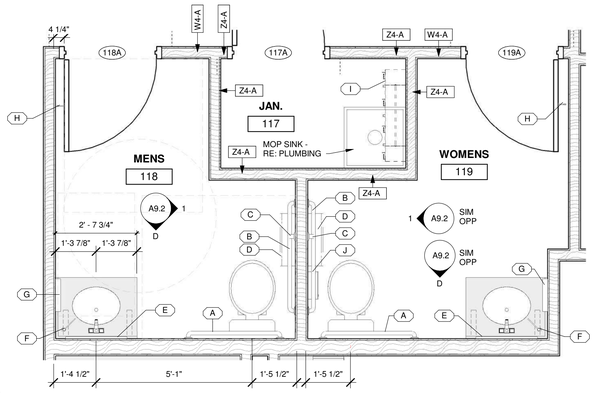
EXTERIOR WALL TYPE X5

1" = 1'-0"

NOT USED

EXTERIOR WALL TYPE X3

1" = 1'-0"



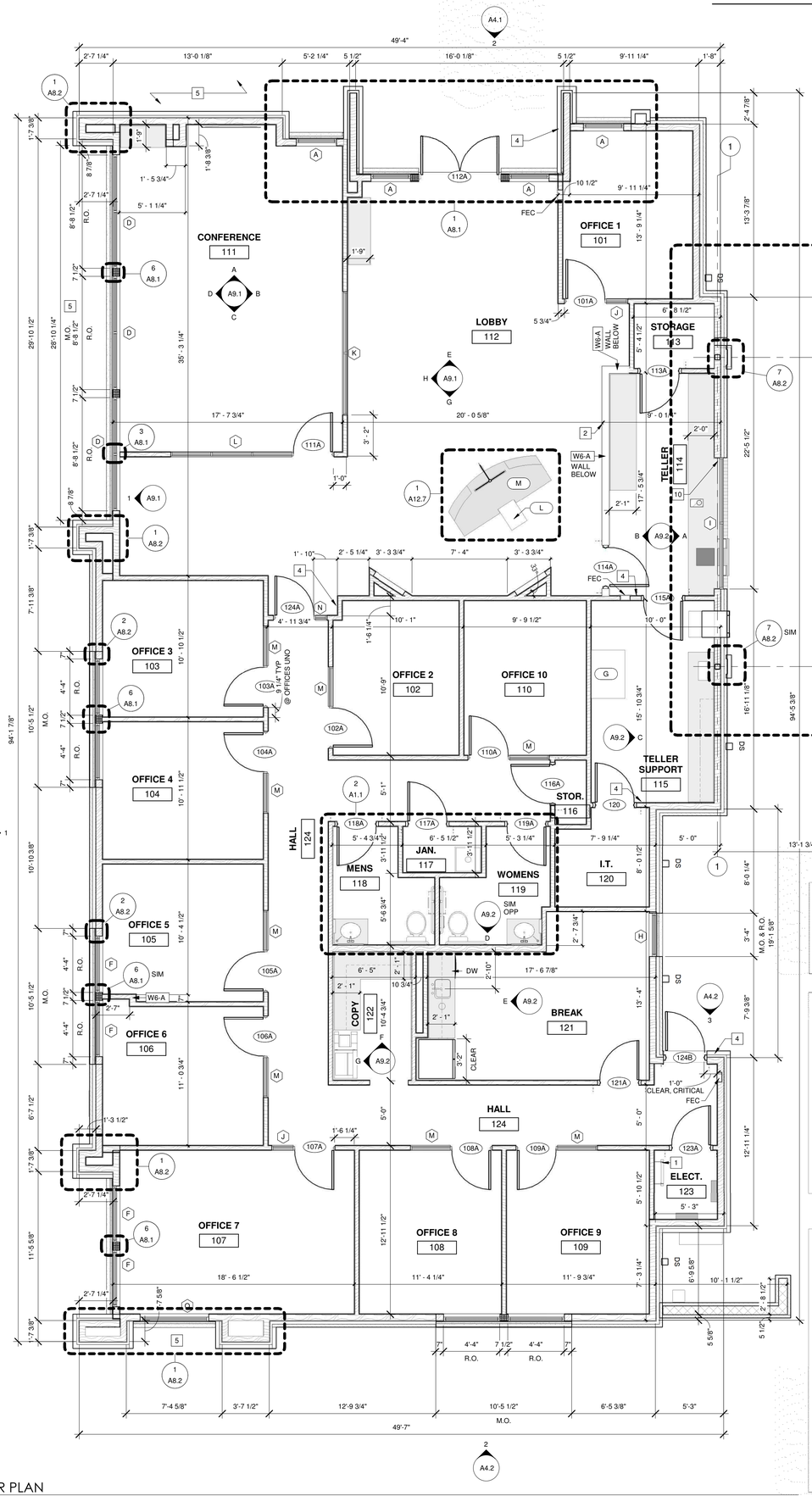
NORTH

2 ENLARGED RESTROOM FLOOR PLAN

A1.1 — 1/2" = 1'-0"

TOILET ACCESSORIES SCHEDULE

	DESCRIPTION	MANUFR	MODEL #
A	Grab Bars	Bradley Corporation	8120-001360
B	Grab Bars	Bradley Corporation	8120-001420
C	Grab Bars	Bradley Corporation	8120-001180
D	DOUBLE ROLL TOILET TISSUE DISPENSER	Bradley Corporation	5425
E	Channel-Frame Mirror, Welded Corners, 24 by 36 inches	Bradley Corporation	781-024362
F	DECK MOUNTED SOAP DISPENSER	Bradley Corporation	6326
G	Towel Dispenser	Bradley Corporation	2441-100000
H	Robe Hook & Bumper	Bradley Corporation	915 BradEX
I	Bobrick B-224 Utility Shelf with Rag Hooks and Broom Holders	Bobrick Washroom Equipment, Inc.	B-224
J	Bobrick B-254 Surface Mounted Sanitary Napkin Disposal	Bobrick Washroom Equipment, Inc.	B-254



NORTH

1 FLOOR PLAN

A1.1 — 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. ALL INTERIOR WALLS ARE TYPE W-4 A UNLESS NOTED OTHERWISE.
2. PROVIDE EXPANSION JOINTS AT ALL INSIDE CORNERS OF MASONRY VENEER.

FLOOR PLAN KEYNOTES [#]

1. ROOF ACCESS LADDER EQUAL TO PRECISION LADDERS FL SERIES ALUMINUM LADDER.
2. DIMENSION TO FACE OF STUD BELOW LOW WALL.
3. 5/8" GYP BOARD ON 2X4 WOOD FRAMING WITH RECESS FOR DISPLAY MONITORS. COORDINATE RECESS DIMENSIONS WITH TENANT I.T. DEPARTMENT FOR ACTUAL TV DIMENSIONS PLUS 3 INCHES CLEAR IN EACH DIRECTION. TV MONITOR SHALL BE VERTICALLY MOUNTED BY THE TENANT.
4. KEY PAD.
5. RE: ELECTRICAL FOR GRADE MOUNTED LIGHT FIXTURES AT THIS AREA.
6. INDICATES BOLLARD, TYP. EQUAL TO TOURNESOL B-2 BOLLARD WITH 5" DIAMETER, 48" HEIGHT, AND EMBED MOUNTING PER MANUFACTURER'S RECOMMENDATIONS. POWDER COATED FINISH AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD RANGE.
7. SPACE BOLLARDS AS REQUIRED BY EQUIPMENT MANUFACTURER.
8. PLACE TWO BOLLARDS ON THIS SIDE OF PNEUMATIC TUBE CUSTOMER UNIT EVEN THOUGH THEY'RE NOT SHOWN ON MANUFACTURER'S CUT SHEETS.
9. DIMENSIONS PER EQUIPMENT MANUFACTURER'S RECOMMENDAATIONS.
10. COUNTERTOP DIES INTO WINDOW FRAME HERE.

BANK EQUIPMENT SCHEDULE (X)

RE: BANK EQUIPMENT ON A12 SHEETS.

EQUIPMENT DESIGNATION	EQUIPMENT NAME	PROVIDED BY	INSTALLED BY	NOTES
A	DRIVE-UP ISLAND ATM	TENANT	TENANT	
B	PNEUMATIC TUBE SYSTEM	TENANT	TENANT	
C	TELLER TERMINAL	TENANT	TENANT	
D	DEAL DRAWER	TENANT	GC	
E	NOT USED	-	-	
F	NIGHT DROP	TENANT	GC	
G	SAFE AKA PORTA VAULT	TENANT	TENANT	
H	CASH PEDESTAL	TENANT	TENANT	
I	TELLER WINDOW	TENANT	GC	
J	DEBIT CARD PRINTER	TENANT	TENANT	
K	DRIVE-THRU LANE SIGNS	TENANT	GC	
L	TELLER CASH RECYCLER	TENANT	TENANT	
M	TELLER POD MILLWORK	GC	GC	

BANK EQUIPMENT NOTES

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2. BANK EQUIPMENT SHOWN FOR REFERENCE ONLY. ACTUAL MANUFACTURER AND PRODUCTS SHALL BE TENANT-SUPPLIED AND CONTRACTOR INSTALLED. DIFFERENT MANUFACTURERS AND PRODUCTS MAY BE SELECTED INSTEAD OF THE EQUIPMENT SHOWN HERE. VERIFY ALL PRODUCTS AND SELECTIONS PRIOR TO CONSTRUCTION AND FABRICATION. COORDINATE AND ACCOMMODATE ANY CHANGES OR DIMENSIONS.

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No.	Description	Date

FLOOR PLAN

A1.1

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REFLECTED CEILING PLAN LEGEND

LAY-IN CEILING TILE EQUAL TO:
- ARMSTRONG CIRRUS, ANGLED TEGULAR 24"X24"X 3/4"
- GRID: ARMSTRONG PRELUDE XL 15/16" EXPOSED TEE SYSTEM, WHITE

PAINTED 5/8" THICK GYPSUM BOARD ATTACHED TO WOOD FRAMING

PAINT P-4 U.N.O.

P-4 CEILING FINISH - RE: FINISH PLAN

PAC-CLAD FLUSH SOFFIT PANELS. MAIN COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD RANGE TO MATCH PAC-CLAD WALL PANELS
- 12" FLUSH SOLID PANEL
- 7" FLUSH SOLID PANEL
- 12" FLUSH WIDE VENT PANEL

PAC-CLAD FLUSH SOFFIT PANELS. ACCENT COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD RANGE.
- 7" FLUSH SOLID PANEL
- 12" FLUSH SOLID PANEL

NOTE: THIS ACCENT SOFFIT PANEL IS PROVIDED AND INSTALLED BY TVM UNDER GC'S CONTRACT. TVM SHALL PROVIDE ALL ACCESSORIES AND ATTACHMENTS AS NEEDED FOR SECURE INSTALLATION OF ACCENT SOFFIT PANELS.

CAN LIGHT

EXTERIOR WALL SCONCE LIGHT FIXTURE

INTERIOR LED PENDANT

BTM AT 3'-0" BELOW GYP CEILINGS

OR BTM AT 2 FT BELOW CEILING TILE

4" WIDE RECESSED LINEAR LED

LED SURFACE MOUNTED FIXTURE

SIDE WALL DIFFUSER

OR SUPPLY AIR GRILLE

OR RETURN AIR GRILLE

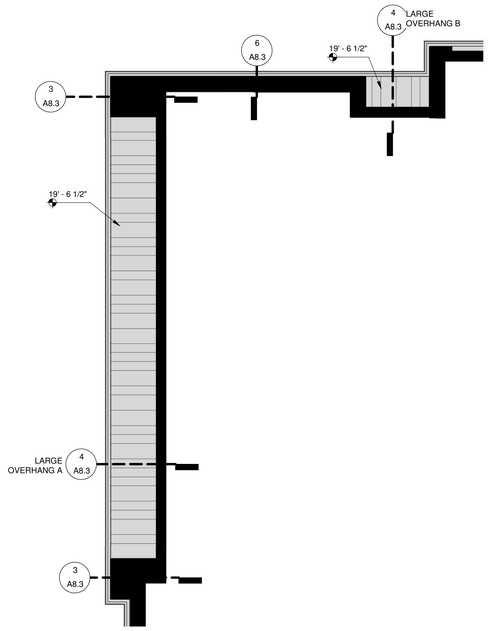
EXIT SIGN

2'X4' LIGHT FIXTURE

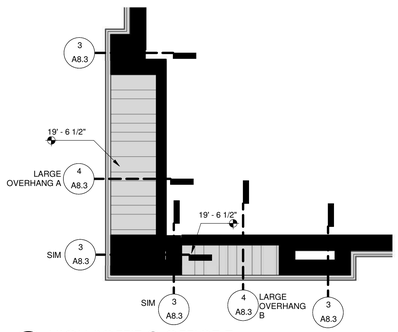
2'X2' LIGHT FIXTURE

8' - 0" CEILING HEIGHT ABOVE FINISH FLOOR

CEILING GRID START POINT



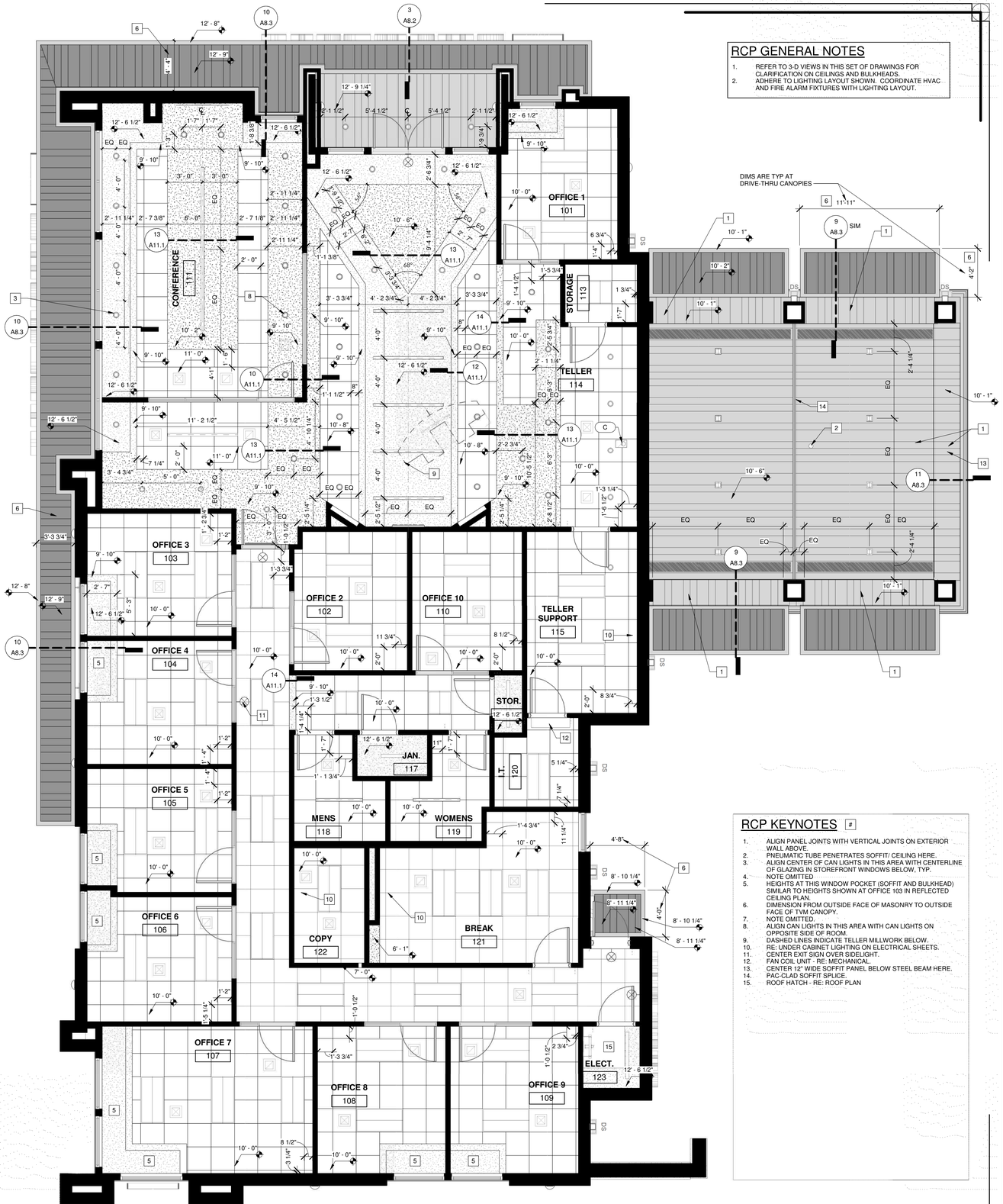
NORTH 1 A2.1 HIGH SOFFIT @ CONFERENCE 111
1/4" = 1'-0"



NORTH 2 A2.1 HIGH SOFFIT @ OFFICE 7
1/4" = 1'-0"

RCP GENERAL NOTES

1. REFER TO 3-D VIEWS IN THIS SET OF DRAWINGS FOR CLARIFICATION ON CEILINGS AND BULKHEADS.
2. ADHERE TO LIGHTING LAYOUT SHOWN. COORDINATE HVAC AND FIRE ALARM FIXTURES WITH LIGHTING LAYOUT.



NORTH 3 A2.1 REFLECTED CEILING PLAN
1/4" = 1'-0"

RCP KEYNOTES

1. ALIGN PANEL JOINTS WITH VERTICAL JOINTS ON EXTERIOR WALL ABOVE.
2. PNEUMATIC TUBE PENETRATES SOFFIT/ CEILING HERE.
3. ALIGN CENTER OF CAN LIGHTS IN THIS AREA WITH CENTERLINE OF GLAZING IN STOREFRONT WINDOWS BELOW, TYP.
4. NOTE OMITTED
5. HEIGHTS AT THIS WINDOW POCKET (SOFFIT AND BULKHEAD) SIMILAR TO HEIGHTS SHOWN AT OFFICE 103 IN REFLECTED CEILING PLAN.
6. DIMENSION FROM OUTSIDE FACE OF MASONRY TO OUTSIDE FACE OF TVM CANOPY.
7. NOTE OMITTED.
8. ALIGN CAN LIGHTS IN THIS AREA WITH CAN LIGHTS ON OPPOSITE SIDE OF ROOM.
9. DASHED LINES INDICATE TELLER MILLWORK BELOW.
10. RE: UNDER CABINET LIGHTING ON ELECTRICAL SHEETS.
11. CENTER EXIT SIGN OVER SIDELIGHT.
12. FAN COIL UNIT - RE: MECHANICAL.
13. CENTER 12" WIDE SOFFIT PANEL BELOW STEEL BEAM HERE.
14. PAC-CLAD SOFFIT SPLICE.
15. ROOF HATCH - RE: ROOF PLAN

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STATE OF ALABAMA
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JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

REFLECTED CEILING PLAN

A2.1

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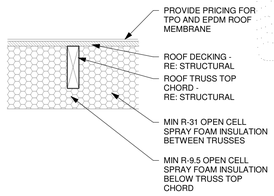
ROOF PLAN GENERAL NOTES

1. ROOF PENETRATIONS AND COMPONENTS SHALL BE AS REQUIRED TO ACHIEVE ROOF WARRANTY.

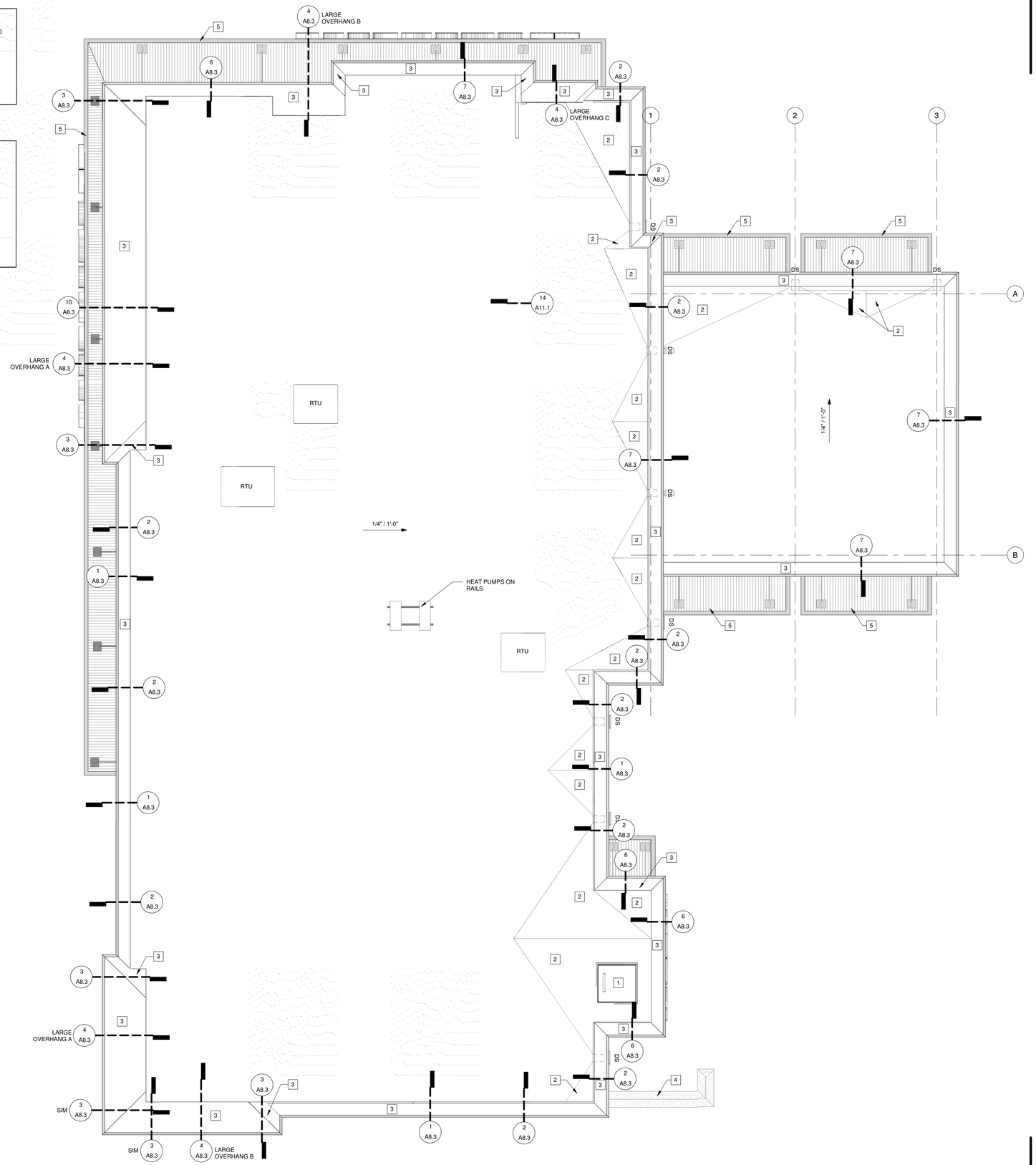
ROOF PLAN KEYNOTES

1. ROOF ACCESS HATCH EQUAL TO BILCO TYPE E-50T, R-VALUE 12, SIZE 36X36". COORDINATE WITH LADDER BELOW.
2. ROOF CRICKET WITH MINIMUM 1/4" PER FT SLOPE.
3. TOP OF PARAPET WITH MINIMUM 1/4" PER FT SLOPE.
4. CAST STONE CAP ON MASONRY SCREEN WALL AS DESCRIBED IN ELEVATION KEYNOTES.
5. TVM CANOPY BELOW.



NOTE: ROOF SHOWN IS FOR THERMAL ENVELOPE AT MAIN BUILDING. ROOF AT DRIVE-THRU AREA IS SIMILAR, BUT WITHOUT SPRAY FOAM INSULATION.

2 A3.1 TYP ROOF ASSEMBLY
1 1/2" = 1'-0"



NORTH

1 A3.1 ROOF PLAN
1/4" = 1'-0"

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No.	Description	Date

ROOF PLAN

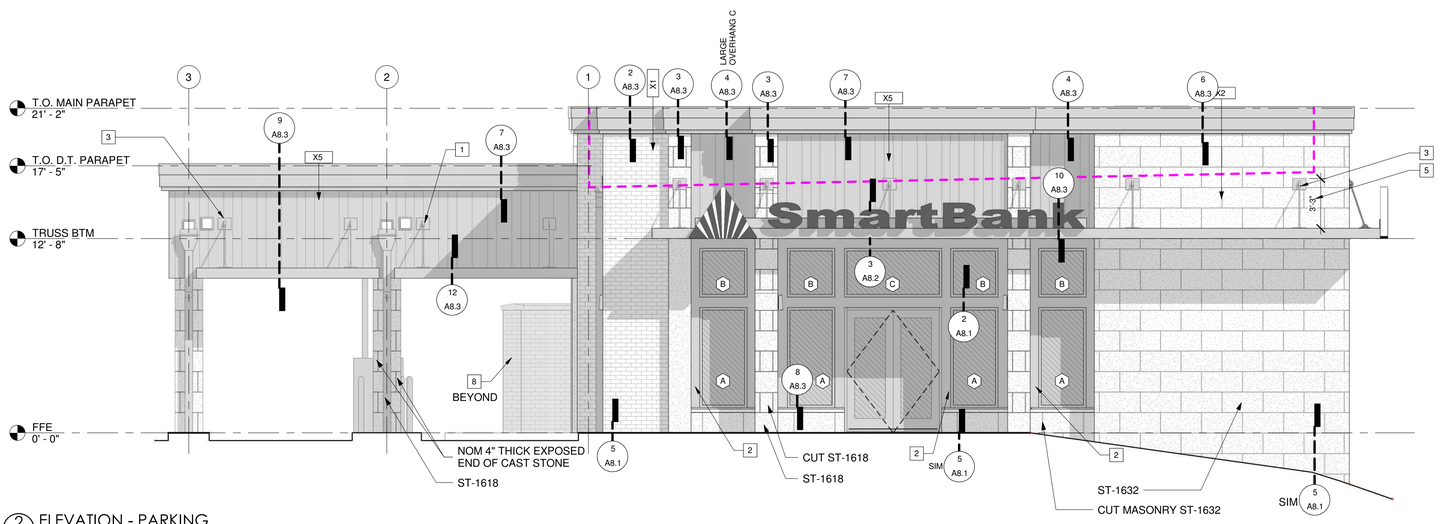
A3.1

6/27/2023 3:55:07 PM

1 A4.1 SOFFIT ALIGNMENT PERSPECTIVE

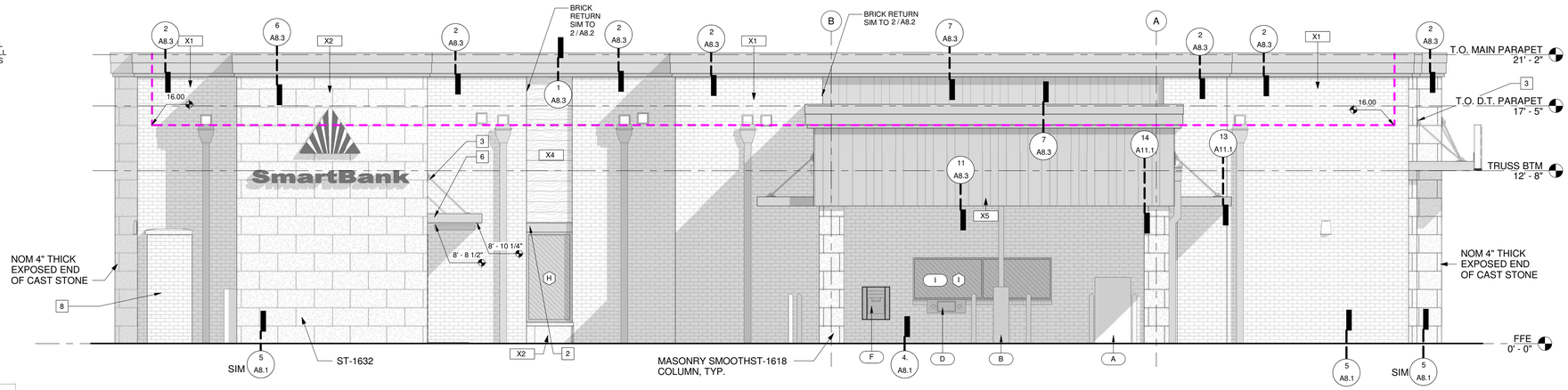
BUILDING HEIGHT NOTES @ PARKING ELEVATION

1. BUILDING HEIGHT DOES NOT DETERMINE SITE SETBACKS AT THIS ELEVATION.



2 A4.1 ELEVATION - PARKING
1/4" = 1'-0"

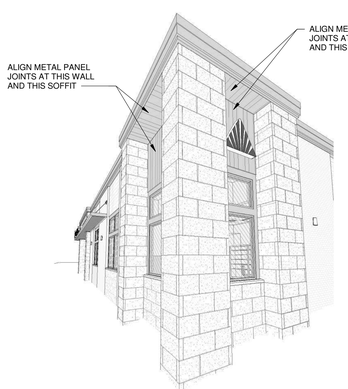
3 A4.1 DRIVE-THRU PERSPECTIVE



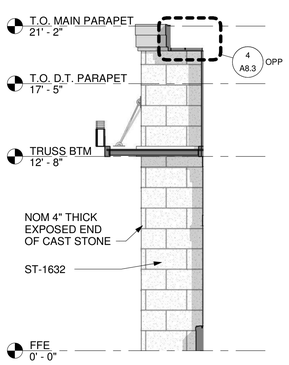
4 A4.1 ELEVATION - DRIVE-THRU
1/4" = 1'-0"

BUILDING HEIGHT NOTES @ DRIVE-THRU ELEVATION

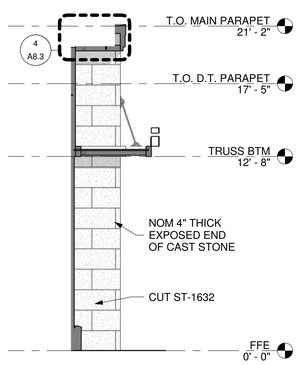
1. BUILDING HEIGHT DOES NOT DETERMINE SITE SETBACKS AT THIS ELEVATION.



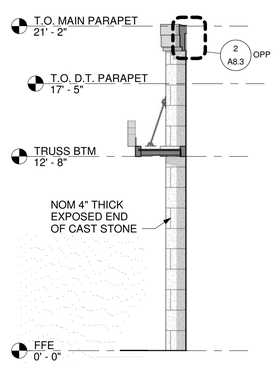
5 A4.1 SOFFIT ALIGNMENT PERSPECTIVE



6 A4.1 MASONRY ELEV.
1/4" = 1'-0"



7 A4.1 MASONRY ELEV.
1/4" = 1'-0"



8 A4.1 MASONRY ELEV.
1/4" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

1. RE: FLOOR PLAN FOR MASONRY EXPANSION JOINTS.
2. REFER TO FINISH PLAN SHEET FOR PAINT GLOSS LEVELS (SHEENS).
3. PROVIDE EXPANSION JOINTS AT ALL INSIDE CORNERS OF MASONRY VENEER.

EXTERIOR ELEVATION KEYNOTES

1. ALIGN CENTER OF TVM CANOPY TIE-ROD PLATE WITH CENTER OF OVERFLOW SCUPPER, TYP AT DRIVE-THRU AREA.
2. 0.080 OR THICKER BRAKE METAL BETWEEN AND AROUND STOREFRONT WINDOWS. BRAKE METAL PROVIDED AND INSTALLED BY STOREFRONT SUBCONTRACTOR.
3. TVM STEEL SUPPORT ROD WITH TVM GALV CLEVIS (PAINTED TO MATCH CANOPY) AT TOP AND BOTTOM OF ROD.
4. 9"X24" ADDRESS PLAQUE SIGN TO MATCH PHASE 1 SIGNS OF SAME SIZE.
5. DIM TYPICAL AT TVM CANOPY PLATE ON MAIN BUILDING. RE: KEYNOTE 1 FOR TVM CANOPY TIE-ROD PLATE AT DRIVE-THRU AREA.
6. TVM CANOPY SIM TO THOSE DETAILED ON A8.1 WITH DIMENSIONS AS NOTED ON RCP.
7. ANGLE BY TVM BEHIND SIGNAGE TO SUPPORT SIGNAGE. COORDINATE ANGLE DIMENSIONS AS REQUIRED TO SUPPORT SIGNAGE. ANGLE COLOR TO MATCH CANOPY FASCIA.
8. MASONRY SCREEN WALL. PROVIDE 1/2" AIR SPACE BETWEEN CMU AND BRICK VENEER. CAST STONE CAP SHALL BE CP-400 18" WIDE. REFER TO STRUCTURAL FOR INFO NOT PROVIDED HERE.

EXTERIOR ELEVATION LEGEND

MATERIAL	DESCRIPTION
	CAST STONE TO MATCH BUILDINGS 1 & 2 DIMENSIONS VARY AS NOTED IN DRAWINGS. ITEMS NOTED IN DRAWINGS ARE FROM ROCKCAST READY SHAPE CATALOG.
	QUEEN SIZED BRICK VENEER & MORTAR TO MATCH BUILDINGS 1 & 2
	PAC-CLAD FLUSH WALL PANELS. MAIN COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD RANGE. 7" WIDE PANELS 12" WIDE PANELS
	NICHIHA VINTAGEWOOD CEDAR COLOR SUBMIT ALL NICHIHA WOOD OPTIONS TO ARCHITECT TO VERIFY SELECTION.
	PREFINISHED METAL COLOR AS SELECTED BY ARCHITECT TO MATCH ALUMINUM STOREFRONT FRAMING
	PAINTED STEEL TO MATCH BUILDINGS 1 & 2
	CLEAR GLAZING AS NOTED ON A5.1
	ROOF HEIGHT BEYOND PARAPET WALLS

ROOFTOP SCREENING

1. ALL MECHANICAL & ELECTRICAL WILL BE SCREENED FROM PUBLIC ROW VIEW.

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No.	Description	Date
1	ROOFTOP SCREENING	05/26/2023

EXTERIOR ELEVATIONS

A4.1

6/27/2023 3:55:15 PM

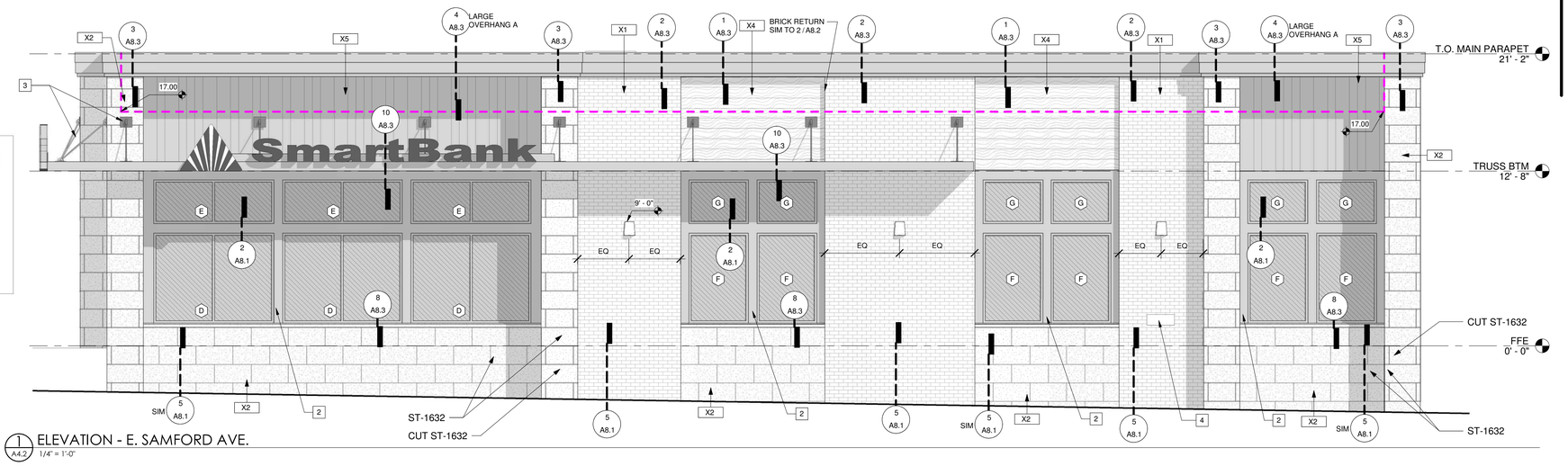
BUILDING HEIGHT NOTES @ E. SAMFORD AVE. ELEVATION

FFE: 0.00
HIGHEST ROOF HEIGHT: 17.00
GRADE AT HIGHEST ROOF: -1.88
BUILDING HEIGHT AT HIGHEST ROOF: 18.88

LOWEST ROOF HEIGHT: 17.00
GRADE AT LOWEST ROOF: -3.80
BUILDING HEIGHT AT LOWEST ROOF: 20.80 FT

AVERAGE STRUCTURE HEIGHT: 19.84 FT

CONCLUSION: SINCE MINIMUM SETBACK ALONG EAST SAMFORD AVE. IS 20 FT, THE BUILDING HEIGHT DOES NOT DICTATE SITE SETBACK ALONG E. SAMFORD AVE.



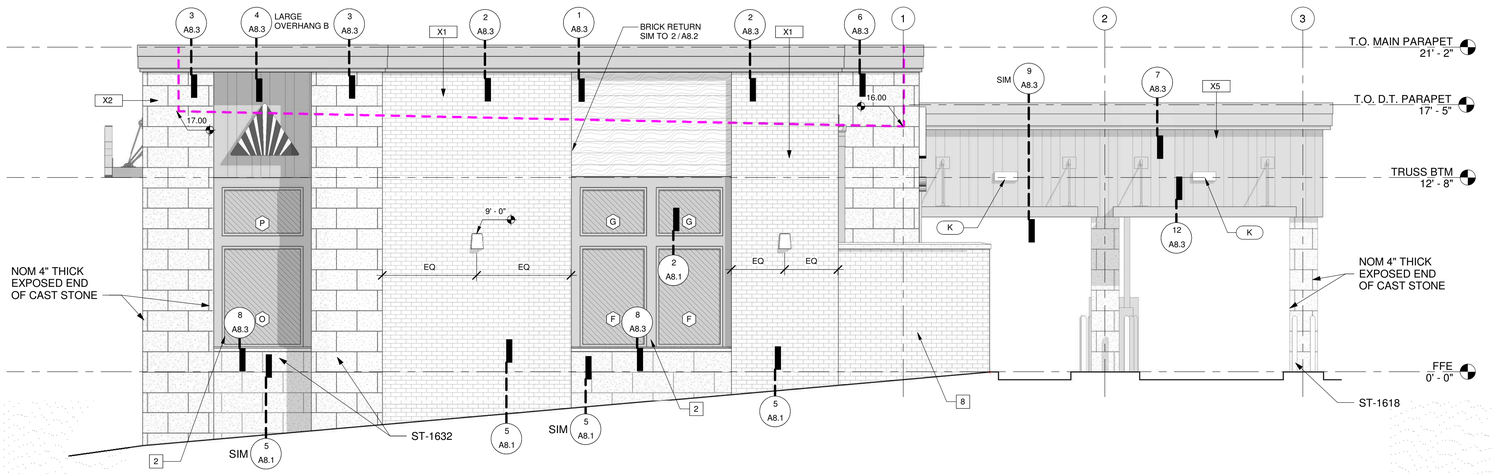
1 A4.2 ELEVATION - E. SAMFORD AVE.
1/4" = 1'-0"

BUILDING HEIGHT NOTES @ E. SAMFORD TRACE CT.

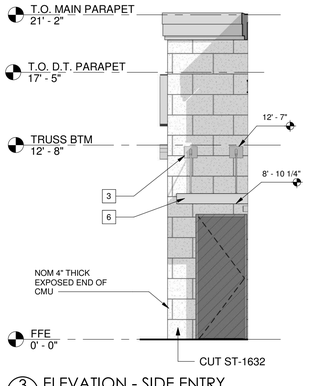
FFE: 0.00
HIGHEST ROOF HEIGHT: 17.00
GRADE AT HIGHEST ROOF: -3.80
BUILDING HEIGHT AT HIGHEST ROOF: 20.8 FT

LOWEST ROOF HEIGHT: 16.00
GRADE AT LOWEST ROOF: -2.5
BUILDING HEIGHT AT LOWEST ROOF: 18.5 FT

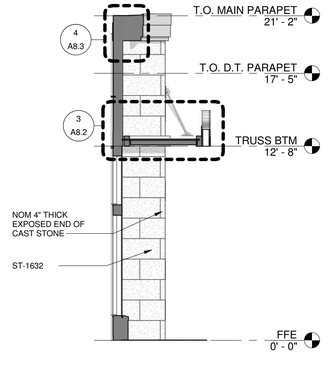
AVERAGE STRUCTURE HEIGHT: 19.65 FT



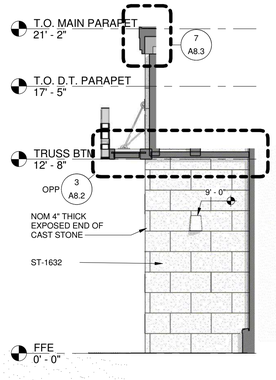
2 A4.2 ELEVATION - SAMFORD TRACE CT.
1/4" = 1'-0"



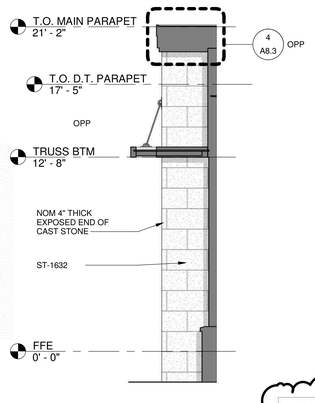
3 A4.2 ELEVATION - SIDE ENTRY
1/4" = 1'-0"



4 A4.2 MASONRY ELEV.
1/4" = 1'-0"



5 A4.2 MASONRY ELEV.
1/4" = 1'-0"



6 A4.2 MASONRY ELEV.
1/4" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

1. RE: FLOOR PLAN FOR MASONRY EXPANSION JOINTS.
2. REFER TO FINISH PLAN SHEET FOR PAINT GLOSS LEVELS (SHEENS).
3. PROVIDE EXPANSION JOINTS AT ALL INSIDE CORNERS OF MASONRY VENEER.

EXTERIOR ELEVATION KEYNOTES

1. ALIGN CENTER OF TVM CANOPY TIE-ROD PLATE WITH CENTER OF OVERFLOW SCUPPER, TYP AT DRIVE-THRU AREA.
2. 0.080 OR THICKER BRAKE METAL BETWEEN AND AROUND STOREFRONT WINDOWS. BRAKE METAL PROVIDED AND INSTALLED BY STOREFRONT SUBCONTRACTOR.
3. TVM STEEL SUPPORT ROD WITH TVM GALV CLEVIS (PAINTED TO MATCH CANOPY) AT TOP AND BOTTOM OF ROD.
4. 9"X24" ADDRESS PLAQUE SIGN TO MATCH PHASE 1 SIGNS OF SAME SIZE.
5. DIM TYPICAL AT TVM CANOPY PLATE ON MAIN BUILDING. RE: KEYNOTE 1 FOR TVM CANOPY TIE-ROD PLATE AT DRIVE-THRU AREA.
6. TVM CANOPY SIM TO THOSE DETAILED ON A8.1 WITH DIMENSIONS AS NOTED ON RCP.
7. ANGLE BY TVM BEHIND SIGNAGE TO SUPPORT SIGNAGE. COORDINATE ANGLE DIMENSIONS AS REQUIRED TO SUPPORT SIGNAGE. ANGLE COLOR TO MATCH CANOPY FASCIA.
8. MASONRY SCREEN WALL. PROVIDE 1/2" AIR SPACE BETWEEN CMU AND BRICK VENEER. CAST STONE CAP SHALL BE CP-400 18" WIDE. REFER TO STRUCTURAL FOR INFO NOT PROVIDED HERE.

ROOFTOP SCREENING

1. ALL MECHANICAL & ELECTRICAL WILL BE SCREENED FROM PUBLIC ROW VIEW.

EXTERIOR ELEVATION LEGEND

MATERIAL	DESCRIPTION
	CAST STONE TO MATCH BUILDINGS 1 & 2 DIMENSIONS VARY AS NOTED IN DRAWINGS. ITEMS NOTED IN DRAWINGS ARE FROM ROCKCAST READY SHAPE CATALOG.
	QUEEN SIZED BRICK VENEER & MORTAR TO MATCH BUILDINGS 1 & 2
	PAC-CLAD FLUSH WALL PANELS. MAIN COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD RANGE. 7" WIDE PANELS 12" WIDE PANELS
	NICHIHA VINTAGEWOOD CEDAR COLOR SUBMIT ALL NICHIHA WOOD OPTIONS TO ARCHITECT TO VERIFY SELECTION.
	PREFINISHED METAL COLOR AS SELECTED BY ARCHITECT TO MATCH ALUMINUM STOREFRONT FRAMING
	PAINTED STEEL TO MATCH BUILDINGS 1 & 2
	CLEAR GLAZING AS NOTED ON A5.1
- - -	ROOF HEIGHT BEYOND PARAPET WALLS

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BUILDING 4 - SMARTBANK
1940 SAMFORD AVENUE
AUBURN, AL 36830

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date
1	ROOFTOP SCREENING	05/26/2023

EXTERIOR ELEVATIONS

A4.2

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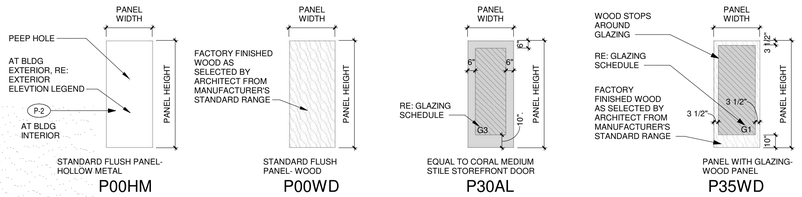
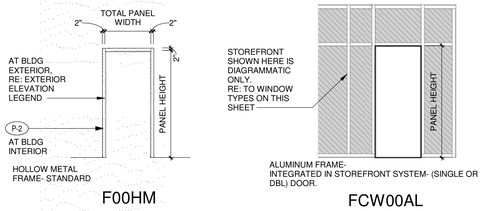
DOOR & FRAME SCHEDULE

DOOR #	DOOR: NUMBER OF PANELS	PANELS: PANEL 1 TYPE	PANELS: PANEL 2 TYPE	PANELS: WIDTHS: PANEL 1 WIDTH	PANELS: WIDTHS: PANEL 2 WIDTH	HEIGHT	FRAME: FRAME TYPE	KEY NOTES (SEE DOOR KEY NOTES)
101A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*FCW00AL*	
102A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*FCW00AL*	
103A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*FCW00AL*	
104A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*FCW00AL*	
105A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*FCW00AL*	
106A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*FCW00AL*	
107A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*FCW00AL*	
108A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*FCW00AL*	
109A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*FCW00AL*	
110A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*FCW00AL*	
111A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*FCW00AL*	
112A	*2*	*P30AL*	*P30AL*	*3' - 0"*	*3' - 0"*	*8' - 0"*	*FCW00AL*	
113A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*F00HM*	*1,2*
114A	*1*	*P00WD*		*3' - 0"*		*4' - 4"*	*F00HM*	
115A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*F00HM*	
116A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*F00HM*	
117A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*F00HM*	
118A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*F00HM*	
119A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*F00HM*	
120	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*F00HM*	
121A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*F00HM*	
123A	*1*	*P00WD*		*3' - 0"*		*8' - 0"*	*F00HM*	
124A	*1*	*P35WD*		*3' - 0"*		*8' - 0"*	*FCW00AL*	
124B	*1*	*P00HM*		*3' - 0"*		*8' - 0"*	*F00HM*	



DOOR PANEL TYPES



DOOR FRAME TYPES

DOOR GENERAL NOTES:

1. PROVIDE DOOR HARDWARE SPECIFIED ON DOOR TYPES AND SCHEDULE. WHERE NO HARDWARE IS SPECIFIED, PROVIDE HARDWARE APPROPRIATE FOR DOOR FUNCTION, SECURITY, AND CODE COMPLIANCE.
2. REFER TO FINISH SCHEDULE ON EXTERIOR ELEVATION SHEETS FOR EXTERIOR DOOR FINISHES.
3. ALL DOOR HARDWARE IS TO BE SATIN BRUSHED CHROME.

ALUMINUM STOREFRONT GENERAL NOTES:

1. EXTERIOR ALUMINUM STOREFRONT SHALL BE EQUAL TO YKK 45 TU THERMALLY BROKEN STOREFRONT.
2. INTERIOR ALUMINUM STOREFRONT FRAMING SHALL BE THE MINIMUM ALLOWED BY YKK OR EQUAL FOR DIMENSIONS SHOWN.
3. WINDOW DIMENSIONS SHOWN ARE TO ROUGH OPENINGS.

DOOR KEY NOTES:

1. PROVIDE DOUBLE MAGNETIC LOCKS AT DOOR HEAD FOR BANK SECURITY, CONTROLLED FROM THE TELLER KIOSK. COORDINATE AS REQUIRED.
2. ON INTERIOR AND EXTERIOR SIDES OF BOTH DOORS, PROVIDE DECORATIVE PULLS EQUAL TO ROCKWOOD MEZZOTECK STEPPED POST DOOR PULLS - RM2110 - 30 INCH LENGTH.

GLAZING SCHEDULE

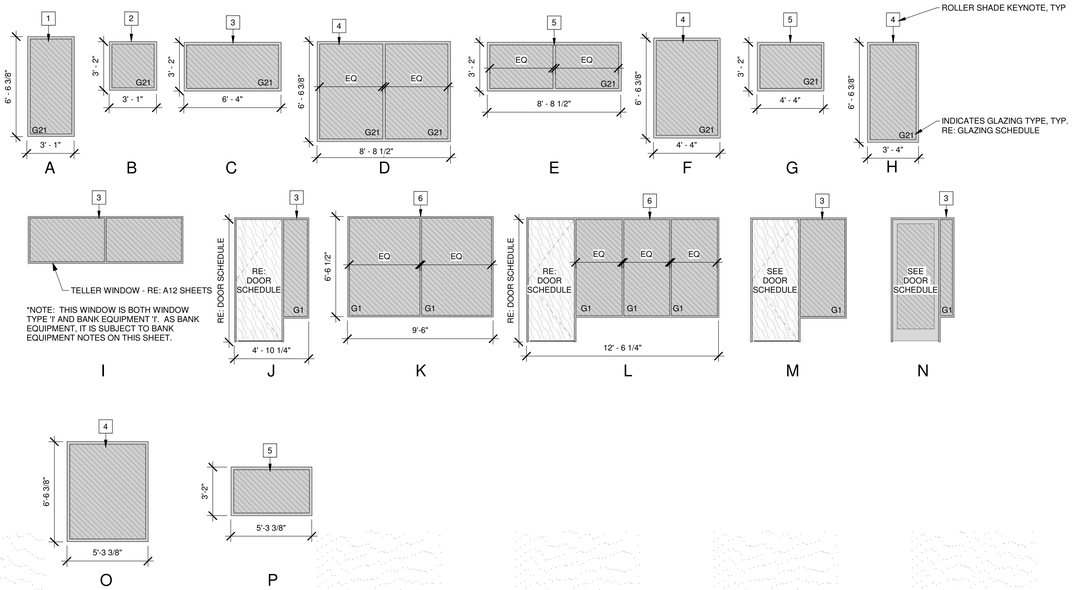
MARK	THICKNESS	TYPE	TINT	REMARKS
G1	1/4"	TEMPERED	CLEAR	
G3	1"	LAMINATED, TEMPERED	CLEAR	EXTERIOR 1/8" FULLY TEMPERED CLEAR FLOAT GLASS 0.015 PVB INTERLAYER 1/8" FULLY TEMPERED CLEAR FLOAT GLASS INTERIOR
G21	1"	TEMPERED	CLEAR - LOW-E	2 LAYERS OF 6mm (0.25 INCH GLAZING WITH 1/2" AIR SPACE BETWEEN AND SOLARBAN 90 OR SUNGUARD SNX 51/23 ON #2 SURFACE

WINDOW ROLLER SHADE KEYNOTES:

1. PROVIDE ROLLER SHADE WITH PULL CHAIN AT INTERIOR SIDE OF ALL ROOMS EXCEPT LOBBY.
2. PROVIDE ROLLER SHADE IN CLOSED POSITION ONLY AT INTERIOR SIDE OF ALL ROOMS EXCEPT WHERE THIS WINDOW TYPE IS USED AT LOBBY. AT LOBBY, DO NOT PROVIDE A ROLLER SHADE FOR THIS WNIDOW TYPE.
3. PROVIDE NO ROLLER SHADE AT THIS WINDOW TYPE.
4. PROVIDE ROLLER SHADE WITH PULL CHAIN AT INTERIOR SIDE OF THIS WINDOW TYPE.
5. PROVIDE ROLLER SHADE IN CLOSED POSITION AT INTERIOR SIDE OF WINDOW.
6. PROVIDE ROLLER SHADE WITH PULL CHAIN AT CONFERENCE ROOM SIDE OF WINDOW.

WINDOW ROLLER SHADE GENERAL NOTES:

1. AT WINDOWS WITH ROLLER SHADES PER ROLLER SHADE KEYNOTES, PROVIDE ONE MANUAL ROLLER SHADE FOR EACH PANE OF GLAZING. ROLLER SHADES SHALL HAVE CLUTCH EQUAL TO MECHOSHADE SYSTEMS URBANSHADE WITH 1% WEAVE OPENNESS. COLOR SHALL BE AS SELECTED BY TENANT'S REPRESENTATIVE. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING.



WINDOW TYPES

BANK EQUIPMENT SCHEDULE (X)

RE: BANK EQUIPMENT ON A12 SHEETS.

EQUIPMENT DESIGNATION	EQUIPMENT NAME	PROVIDED BY	INSTALLED BY	NOTES
A	DRIVE-UP ISLAND ATM	TENANT	TENANT	
B	PNEUMATIC TUBE SYSTEM	TENANT	TENANT	
C	TELLER TERMINAL	TENANT	TENANT	
D	DEAL DRAWER	TENANT	GC	
E	NOT USED	-	-	
F	NIGHT DROP	TENANT	GC	
G	SAFE AKA PORTA VAULT	TENANT	TENANT	
H	CASH PEDESTAL	TENANT	TENANT	
I	TELLER WINDOW	TENANT	GC	
J	DEBIT CARD PRINTER	TENANT	TENANT	
K	DRIVE-THRU LANE SIGNS	TENANT	GC	
L	TELLER CASH RECYCLER	TENANT	TENANT	
M	TELLER POD MILLWORK	GC	GC	

BANK EQUIPMENT NOTES

1. RE: BANK EQUIPMENT ON A12 SHEETS.
2. BANK EQUIPMENT SHOWN FOR REFERENCE ONLY. ACTUAL MANUFACTURER AND PRODUCTS SHALL BE TENANT-SUPPLIED AND CONTRACTOR INSTALLED. DIFFERENT MANUFACTURERS AND PRODUCTS MAY BE SELECTED INSTEAD OF THE EQUIPMENT SHOWN HERE. VERIFY ALL PRODUCTS AND SELECTIONS PRIOR TO CONSTRUCTION AND FABRICATION. COORDINATE AND ACCOMMODATE ANY CHANGES OR DIMENSIONS.

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No.	Description	Date

DOORS & WINDOWS

A5.1

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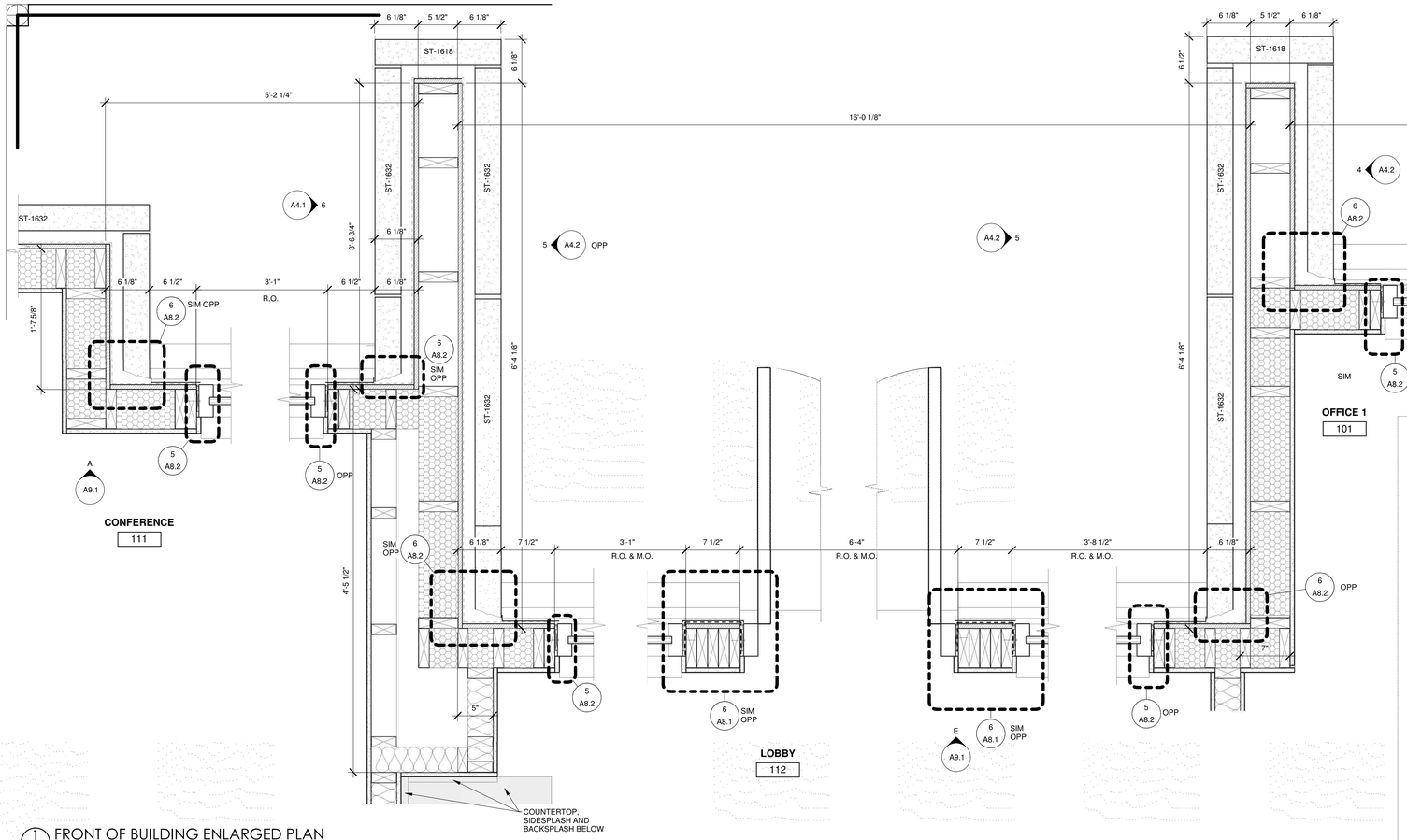
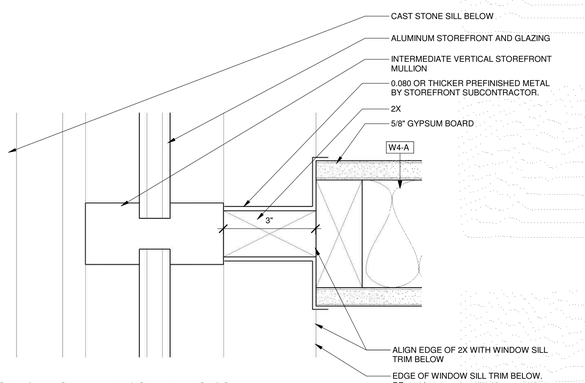
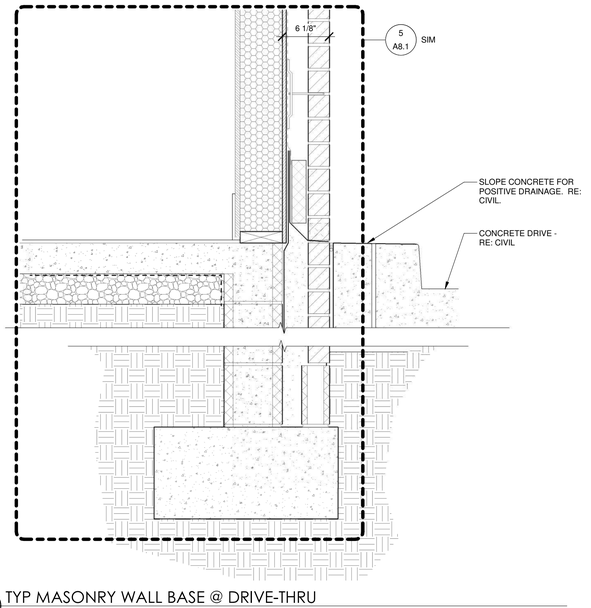


1 A8.1 FRONT OF BUILDING ENLARGED PLAN
1 1/2" = 1'-0"

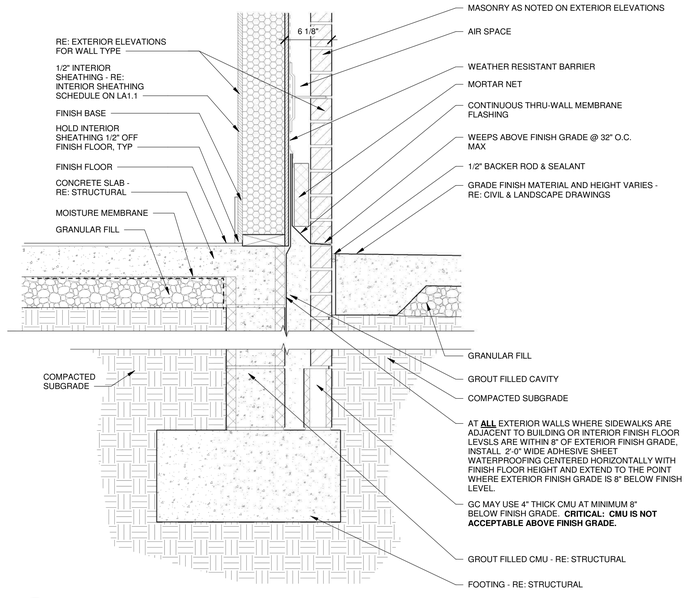
2 A8.1 JUNCTION OF HIGH & LOW STOREFRONT
6" = 1'-0"



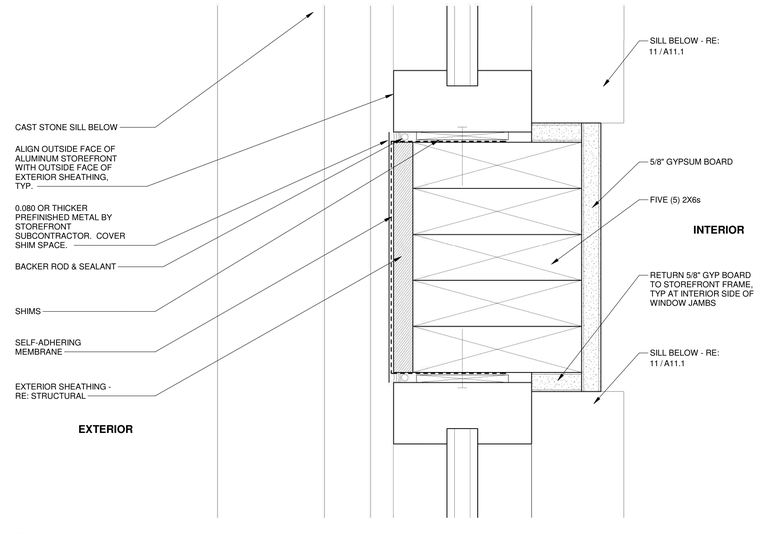
3 A8.1 WALL TO WINDOW MULLION JUNCTION
6" = 1'-0"



4 A8.1 TYP MASONRY WALL BASE @ DRIVE-THRU
1 1/2" = 1'-0"



5 A8.1 TYP MASONRY WALL BASE
1 1/2" = 1'-0"



6 A8.1 FRAMING BETWEEN WINDOWS
6" = 1'-0"

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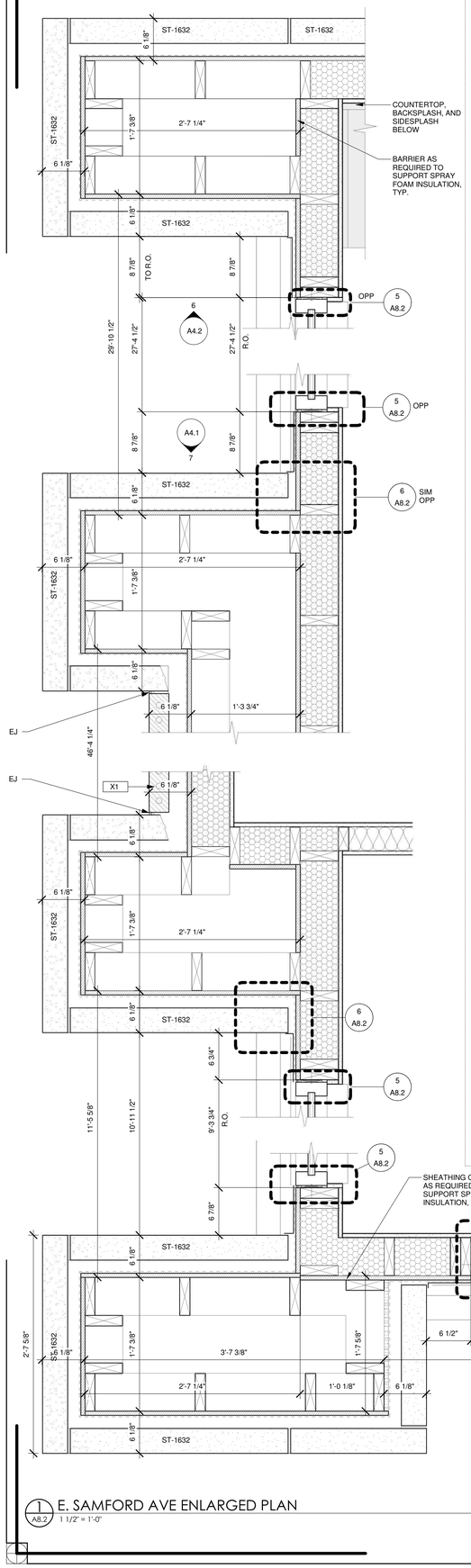
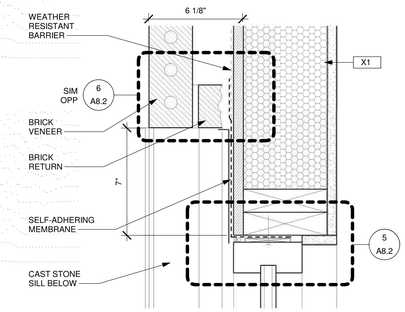
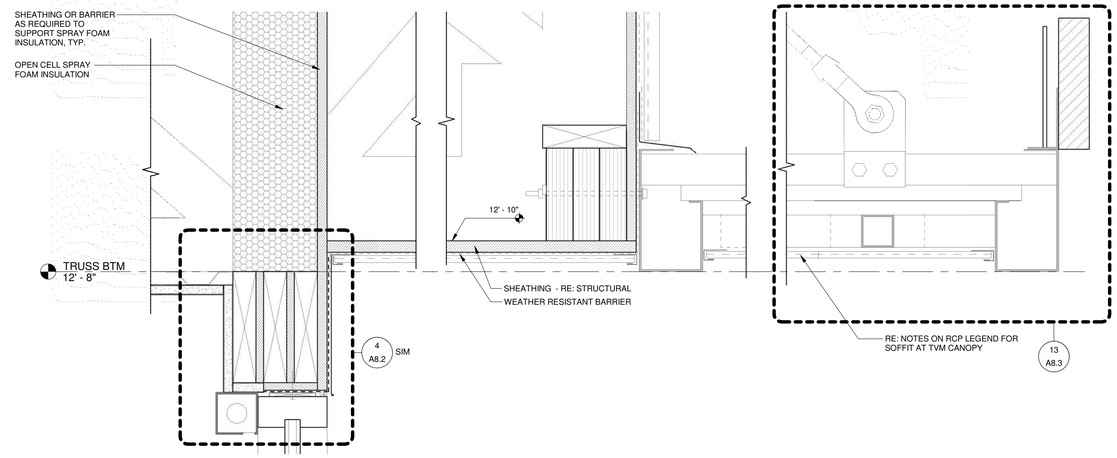
EXTERIOR DETAILS

A8.1

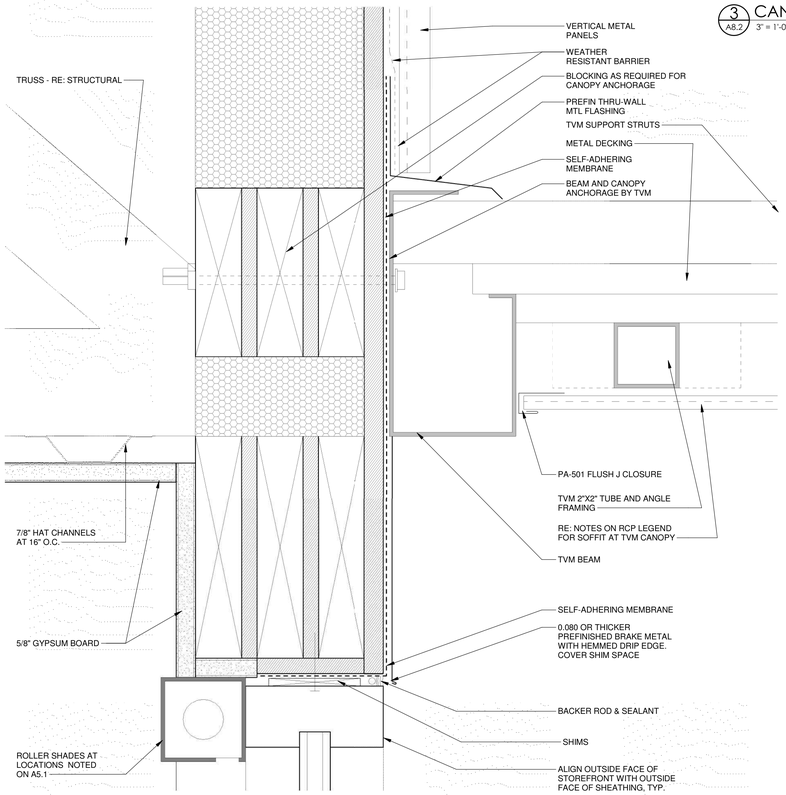




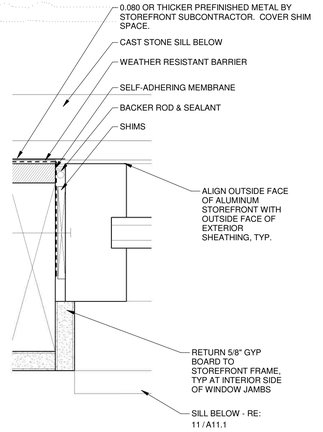
2 A8.2 BRICK AT PREFIN MTL
3" = 1'-0"



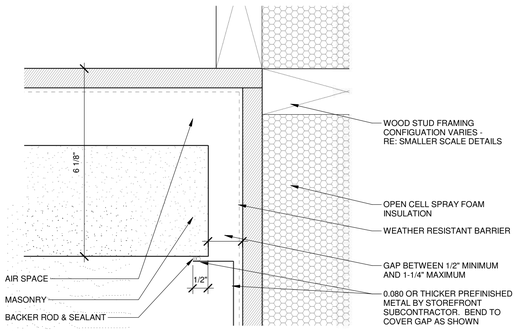
3 A8.2 CANOPY SECTION DETAIL
3" = 1'-0"



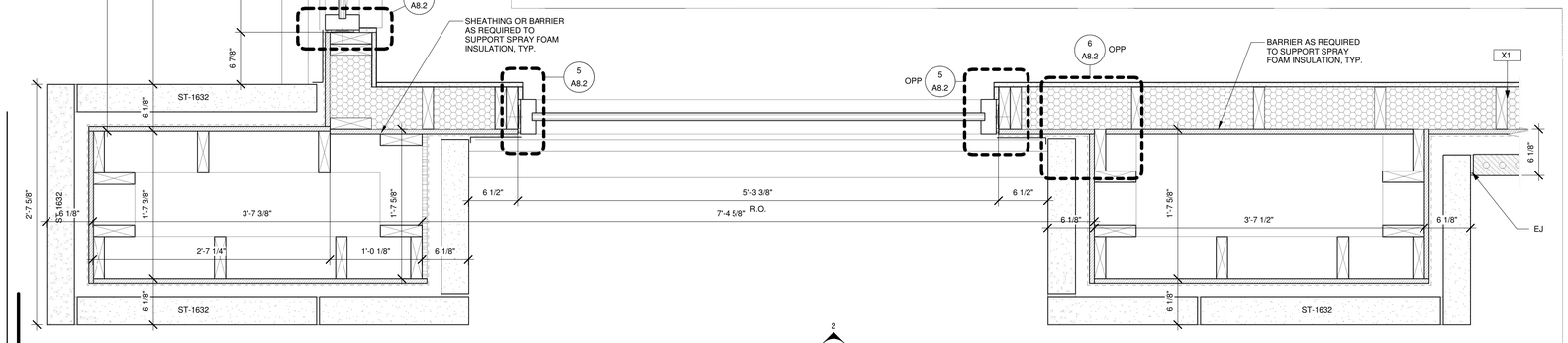
4 A8.2 JUNCTION OF CANOPY & SIDING
6" = 1'-0"



5 A8.2 WINDOW JAMB AT PREFIN MTL
6" = 1'-0"

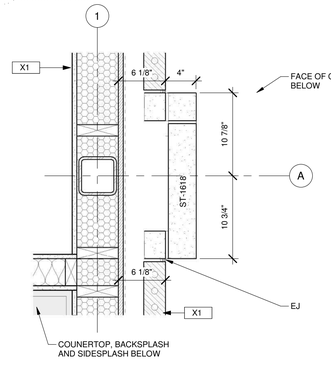


6 A8.2 MASONRY AT PREFIN MTL
6" = 1'-0"

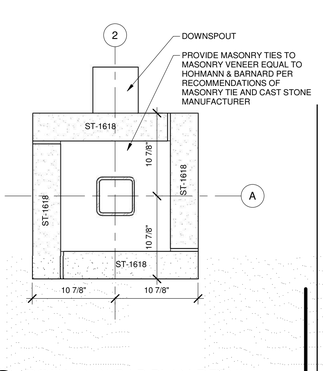


2 A4.2

1 A8.2 E. SAMFORD AVE ENLARGED PLAN
1 1/2" = 1'-0"



7 A8.2 PILASTER PLAN DETAIL
1 1/2" = 1'-0"



8 A8.2 COLUMN WRAP PLAN DETAIL
1 1/2" = 1'-0"

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No.	Description	Date

EXTERIOR DETAILS

A8.2

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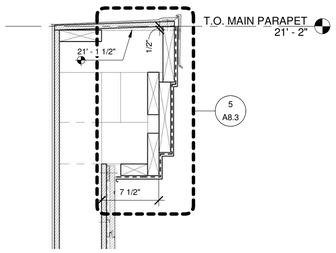
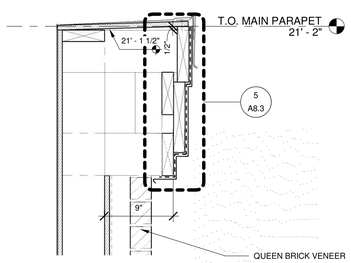
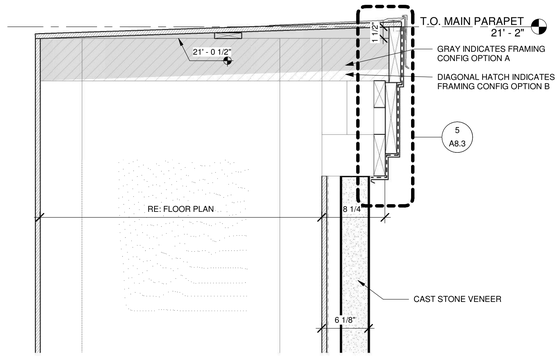


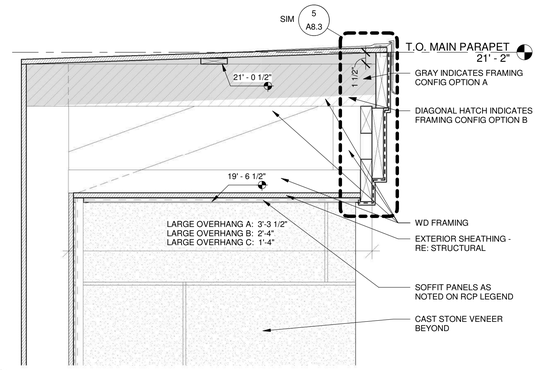
1 A8.3 THIN PARAPET @ NICHIHA SIDING
1 1/2" = 1'-0"



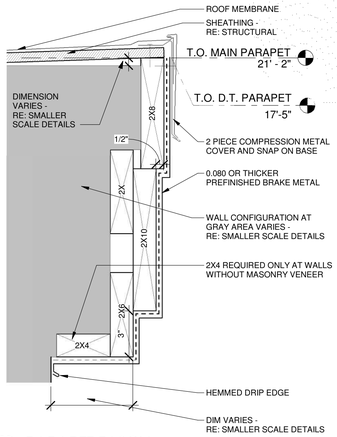
2 A8.3 THIN PARAPET @ BRICK
1 1/2" = 1'-0"



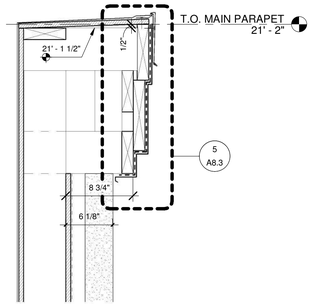
3 A8.3 THICK PARAPET @ CAST STONE
1 1/2" = 1'-0"



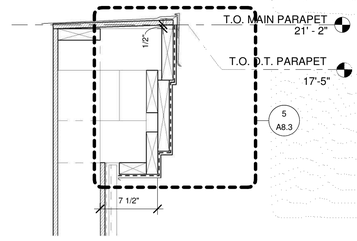
4 A8.3 PARAPET @ LARGE OVERHANG
1 1/2" = 1'-0"



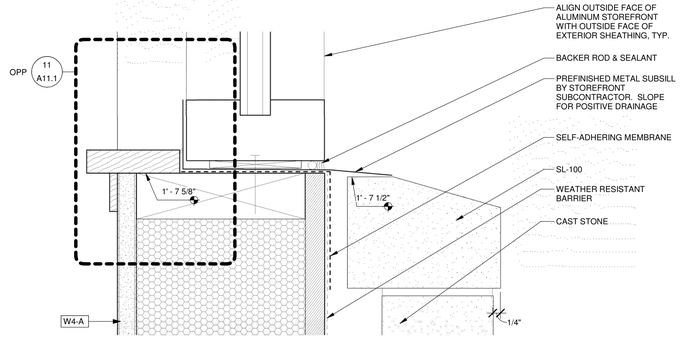
5 A8.3 PARAPET FASCIA
3" = 1'-0"



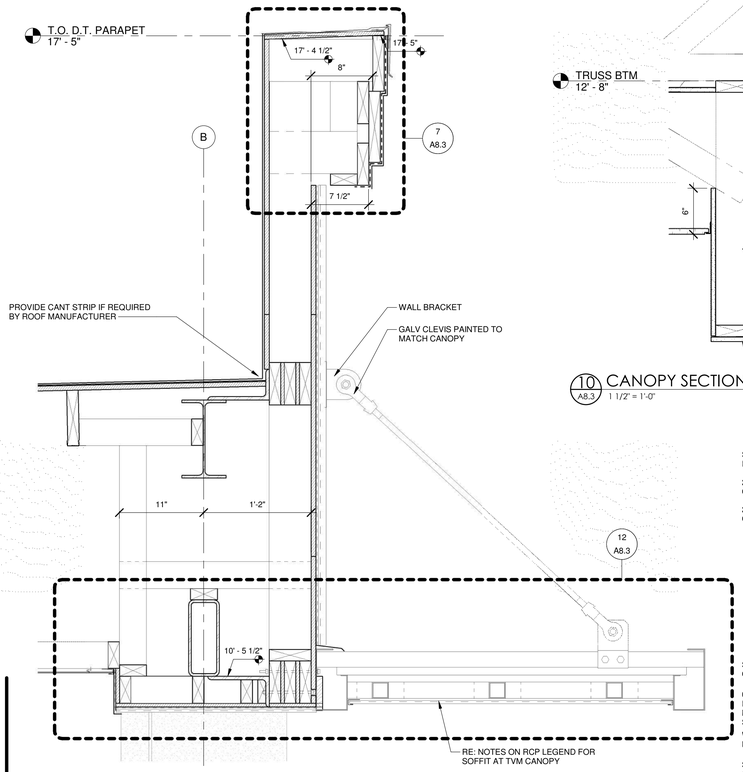
6 A8.3 THIN PARAPET @ CAST STONE
1 1/2" = 1'-0"



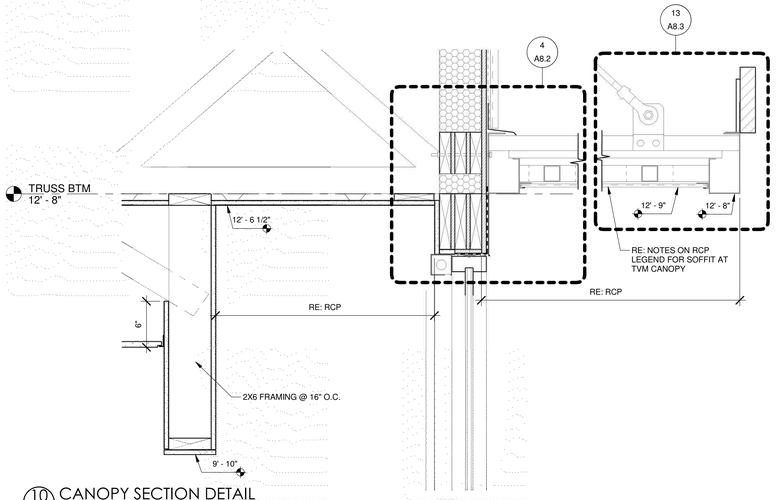
7 A8.3 THIN PARAPET AT METAL PANELS
1 1/2" = 1'-0"



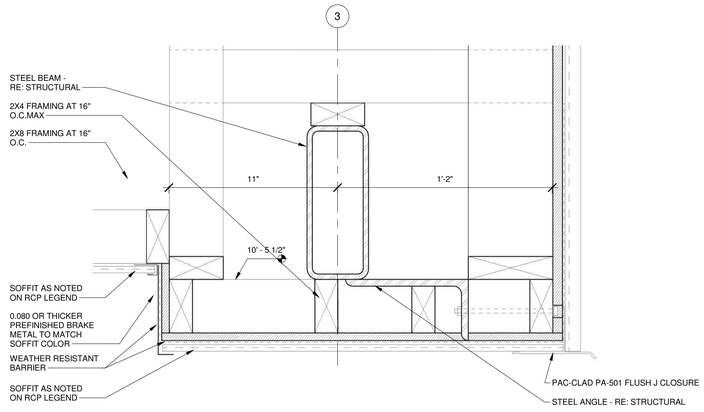
8 A8.3 SILL AT LOW WINDOW
6" = 1'-0"



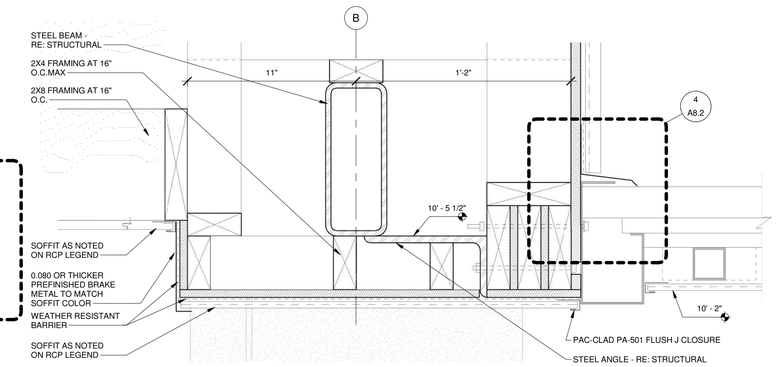
9 A8.3 DRIVE-THRU PARAPET & CANOPY
1 1/2" = 1'-0"



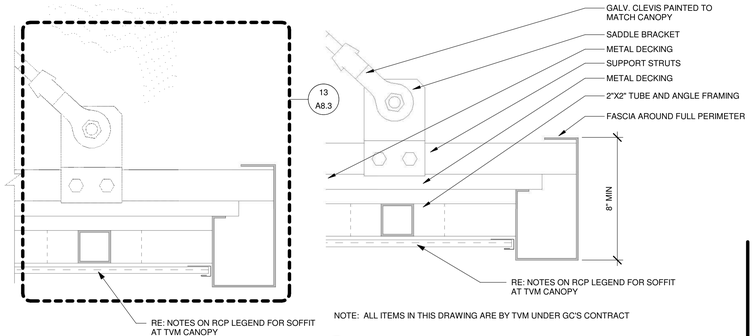
10 A8.3 CANOPY SECTION DETAIL
1 1/2" = 1'-0"



11 A8.3 DRIVE-THRU SOFFIT
3" = 1'-0"



12 A8.3 CANOPY SECTION DETAIL
3" = 1'-0"



NOTE: ALL ITEMS IN THIS DRAWING ARE BY TVM UNDER GC'S CONTRACT

13 A8.3 CANOPY FASCIA DETAIL
3" = 1'-0"

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NEW CONSTRUCTION:

THE VILLAGE AT SAMFORD TRACE BUILDING 4 - SMARTBANK

1940 SAMFORD AVENUE
AUBURN, AL 36830

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

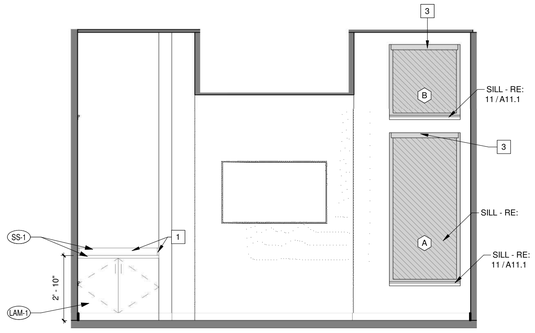
JOB No. 23001

REVISION SCHEDULE

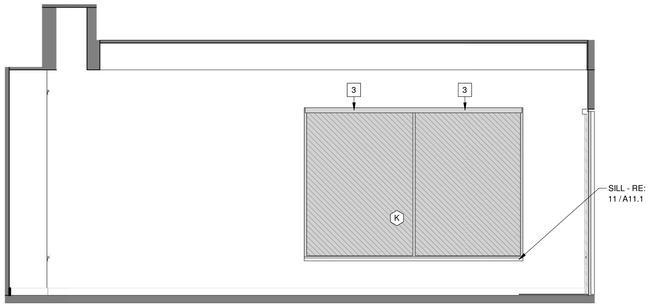
No.	Description	Date

EXTERIOR DETAILS

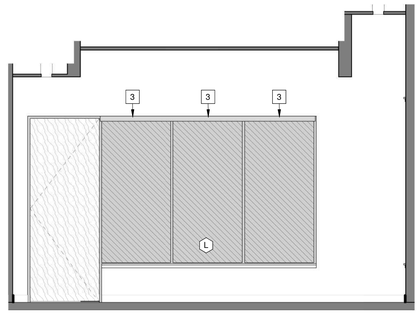
A8.3



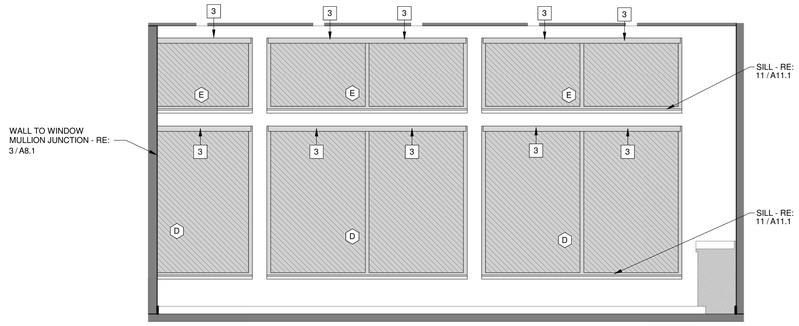
A A9.1 CONFERENCE ELEVATION
3/8" = 1'-0"



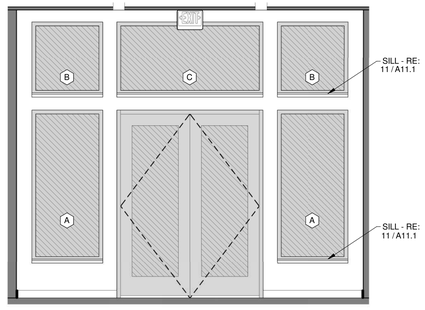
B A9.1 CONFERENCE ELEVATION
3/8" = 1'-0"



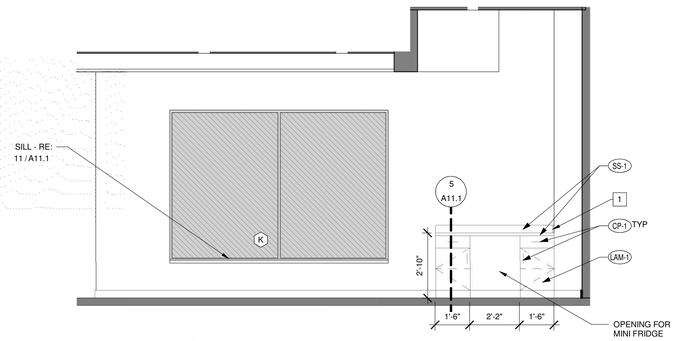
C A9.1 CONFERENCE ELEVATION, ROOM #111
3/8" = 1'-0"



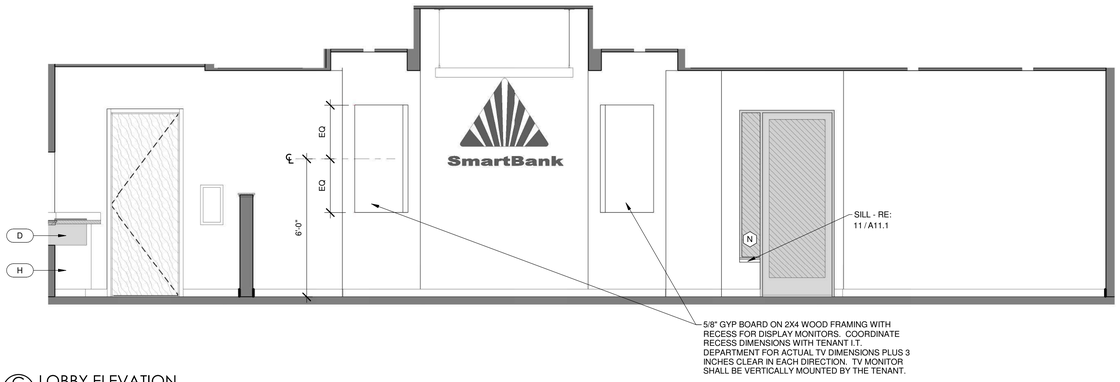
D A9.1 CONFERENCE ELEVATION
3/8" = 1'-0"



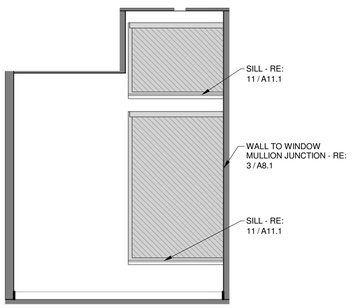
E A9.1 LOBBY ELEVATION
3/8" = 1'-0"



H A9.1 LOBBY ELEVATION
3/8" = 1'-0"



G A9.1 LOBBY ELEVATION
3/8" = 1'-0"



J A9.1 LOBBY ELEVATION
3/8" = 1'-0"

J A9.1 LOBBY PERSPECTIVE

K A9.1 CONFERENCE ROOM PERSPECTIVE

BANK EQUIPMENT SCHEDULE (X)

RE: BANK EQUIPMENT ON A12 SHEETS.

EQUIPMENT DESIGNATION	EQUIPMENT NAME	PROVIDED BY	INSTALLED BY	NOTES
A	DRIVE-UP ISLAND ATM	TENANT	TENANT	
B	PNEUMATIC TUBE SYSTEM	TENANT	TENANT	
C	TELLER TERMINAL	TENANT	TENANT	
D	DEAL DRAWER	TENANT	GC	
E	NOT USED	-	-	
F	NIGHT DROP	TENANT	GC	
G	SAFE AKA PORTA VAULT	TENANT	TENANT	
H	CASH PEDESTAL	TENANT	TENANT	
I	TELLER WINDOW	TENANT	GC	
J	DEBIT CARD PRINTER	TENANT	TENANT	
K	DRIVE-THRU LANE SIGNS	TENANT	GC	
L	TELLER CASH RECYCLER	TENANT	TENANT	
M	TELLER POD MILLWORK	GC	GC	

BANK EQUIPMENT NOTES

1. RE: BANK EQUIPMENT ON A12 SHEETS.
2. BANK EQUIPMENT SHOWN FOR REFERENCE ONLY. ACTUAL MANUFACTURER AND PRODUCTS SHALL BE TENANT-SUPPLIED AND CONTRACTOR INSTALLED. DIFFERENT MANUFACTURERS AND PRODUCTS MAY BE SELECTED INSTEAD OF THE EQUIPMENT SHOWN HERE. VERIFY ALL PRODUCTS AND SELECTIONS PRIOR TO CONSTRUCTION AND FABRICATION. COORDINATE AND ACCOMMODATE ANY CHANGES OR DIMENSIONS.

MILLWORK GENERAL NOTES

1. AT MILLWORK AREAS WITH BANK EQUIPMENT, VERIFY ALL DIMENSIONS ONCE BANK EQUIPMENT IS INSTALLED.
2. CONTRACTOR TO COORDINATE WITH TENANT REP FOR FIELD BORING OF ALL GROMMETS.

INTERIOR ELEVATION KEY NOTES (#)

1. BACKSPLASH AND SIDESPLASH TO MATCH COUNTERTOP MATERIAL, TYP WHERE COUNTERTOPS MEET WALLS.
2. SKIRT BOARD/ VALANCE TO CONCEAL UNDER CABINET LIGHT FIXTURE.
3. RE: ROLLER SHADE KEYNOTES AND ROLLER SHADE GENERAL NOTES ON DOOR & WINDOW SHEETS.
4. 3/4" PLYWOOD PANEL WITH PLAM CLADDING.
5. PULL OUT MECHANISM EQUAL TO REV-A-SHELF 5349 SERIES PULL OUT WASTE BIN 50 QT WITH SLIDES.
6. 6" DIAMETER SS GROMMET IN COUNTERTOP FOR DIRECT ACCESS TO TRASH CAN BELOW. COORDINATE GROMMET LCATION WITH TRASH CAN AS NOTED IN KEYNOTE #5 ABOVE.

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NEW CONSTRUCTION:

THE VILLAGE AT SAMFORD TRACE BUILDING 4 - SMARTBANK

1940 SAMFORD AVENUE
AUBURN, AL 36830

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

INTERIOR ELEVATIONS

A9.1

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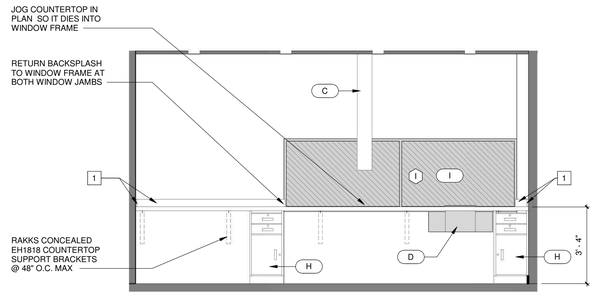
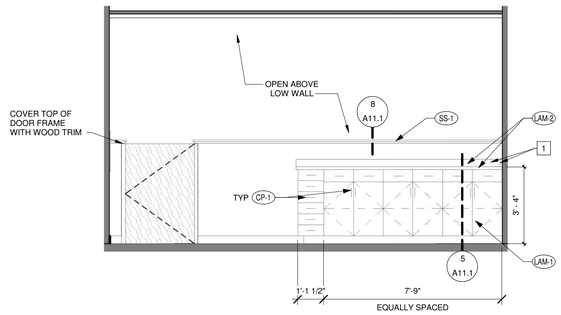
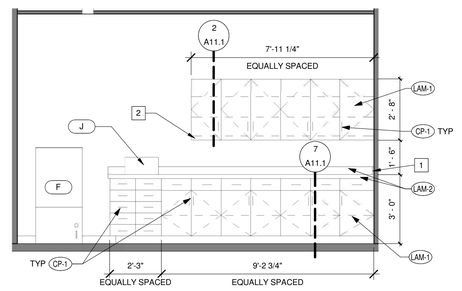


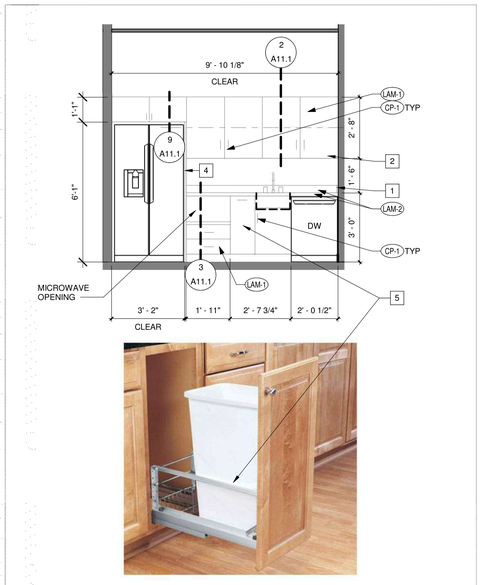
A A9.2 TELLER ELEVATION
3/8" = 1'-0"



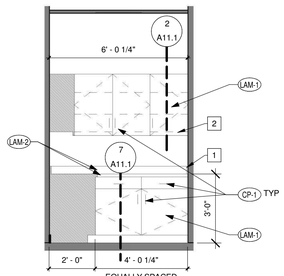
B A9.2 TELLER ELEVATION
3/8" = 1'-0"



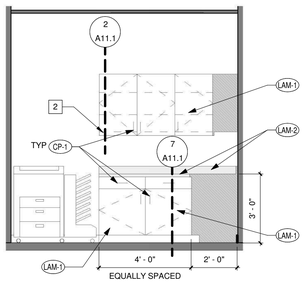
C A9.2 TELLER SUPPORT ELEVATION
3/8" = 1'-0"



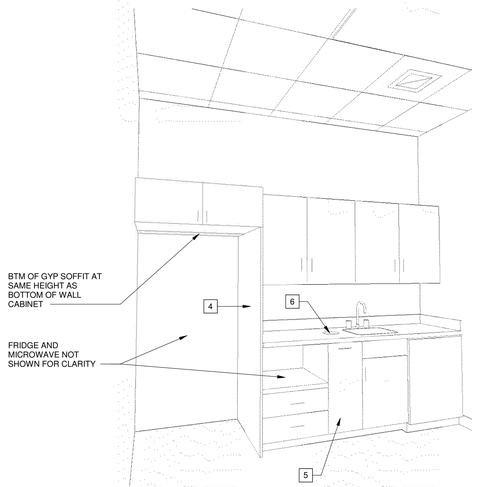
E A9.2 BREAK ELEVATION
3/8" = 1'-0"



F A9.2 COPY ELEVATION
3/8" = 1'-0"



G A9.2 COPY ELEVATION
3/8" = 1'-0"



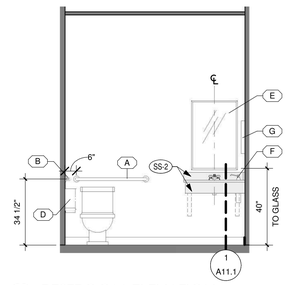
2 A9.2 BREAK RM PERSPECTIVE

TOILET ACCESSORIES SCHEDULE

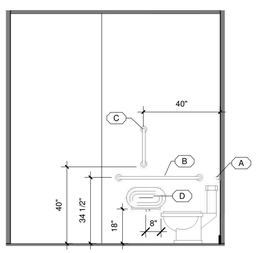
	DESCRIPTION	MANUFR	MODEL #
A	Grab Bars	Bradley Corporation	8120-001360
B	Grab Bars	Bradley Corporation	8120-001420
C	Grab Bars	Bradley Corporation	8120-001180
D	DOUBLE ROLL TOILET TISSUE DISPENSER	Bradley Corporation	5425
E	Channel-Frame Mirror, Welded Corners, 24 by 36 inches	Bradley Corporation	781-024362
F	DECK MOUNTED SOAP DISPENSER	Bradley Corporation	6326
G	Towel Dispenser	Bradley Corporation	2441-100000
H	Robe Hook & Bumper	Bradley Corporation	915 BradEX
I	Bobrick B-224 Utility Shelf with Rag Hooks and Broom Holders	Bobrick Washroom Equipment, Inc.	B-224
J	Bobrick B-254 Surface Mounted Sanitary Napkin Disposal	Bobrick Washroom Equipment, Inc.	B-254

TOILET ACCESSORIES GENERAL NOTES

A. PRODUCTS EQUAL TO THOSE SCHEDULED ABOVE BY BRADLEY, BOBRICK, OR ASI ARE ACCEPTABLE.



D A9.2 RESTROOM ELEVATION
3/8" = 1'-0"



1 A9.2 RESTROOM ELEVATION
3/8" = 1'-0"

BANK EQUIPMENT SCHEDULE (X)

RE: BANK EQUIPMENT ON A12 SHEETS.

EQUIPMENT DESIGNATION	EQUIPMENT NAME	PROVIDED BY	INSTALLED BY	NOTES
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B	PNEUMATIC TUBE SYSTEM	TENANT	TENANT	
C	TELLER TERMINAL	TENANT	TENANT	
D	DEAL DRAWER	TENANT	GC	
E	NOT USED	-	-	
F	NIGHT DROP	TENANT	GC	
G	SAFE AKA PORTA VAULT	TENANT	TENANT	
H	CASH PEDESTAL	TENANT	TENANT	
I	TELLER WINDOW	TENANT	GC	
J	DEBIT CARD PRINTER	TENANT	TENANT	
K	DRIVE-THRU LANE SIGNS	TENANT	GC	
L	TELLER CASH RECYCLER	TENANT	TENANT	
M	TELLER POD MILLWORK	GC	GC	

BANK EQUIPMENT NOTES

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2. BANK EQUIPMENT SHOWN FOR REFERENCE ONLY. ACTUAL MANUFACTURER AND PRODUCTS SHALL BE TENANT-SUPPLIED AND CONTRACTOR INSTALLED. DIFFERENT MANUFACTURERS AND PRODUCTS MAY BE SELECTED INSTEAD OF THE EQUIPMENT SHOWN HERE. VERIFY ALL PRODUCTS AND SELECTIONS PRIOR TO CONSTRUCTION AND FABRICATION. COORDINATE AND ACCOMMODATE ANY CHANGES OR DIMENSIONS.

INTERIOR ELEVATION GENERAL NOTES

A. REFER TO E&P SHEETS FOR OUTLETS AND PLUMBING CONNECTIONS NOT SHOWN ON THIS SHEET.

INTERIOR ELEVATION KEY NOTES (#)

1. BACKSPLASH AND SIDESPLASH TO MATCH COUNTERTOP MATERIAL, TYP WHERE COUNTERTOPS MEET WALLS.
2. SKIRT BOARD/ VALANCE TO CONCEAL UNDER CABINET LIGHT FIXTURE.
3. RE: ROLLER SHADE KEYNOTES AND ROLLER SHADE GENERAL NOTES ON DOOR & WINDOW SHEETS.
4. 3/4" PLYWOOD PANEL WITH PLAM CLADDING.
5. PULL OUT MECHANISM EQUAL TO REV-A-SHELF 5349 SERIES PULL OUT WASTE BIN 50 QT WITH SLIDES.
6. 6" DIAMETER SS GROMMET IN COUNTERTOP FOR DIRECT ACCESS TO TRASH CAN BELOW. COORDINATE GROMMET LCATION WITH TRASH CAN AS NOTED IN KEYNOTE #5 ABOVE.

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NEW CONSTRUCTION:
THE VILLAGE AT SAMFORD TRACE BUILDING 4 - SMARTBANK
1940 SAMFORD AVENUE
AUBURN, AL 36830

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

INTERIOR ELEVATIONS

A9.2

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PAINT GLOSS LEVELS (SHEENS)

1. EXTERIOR FIELD APPLIED PAINTS: GLOSS
2. GYPSUM BOARD CEILINGS: FLAT
3. GYPSUM BOARD WALLS: EGGSHELL
4. INTERIOR WOOD TRIM: SEMIGLOSS
5. INTERIOR METAL DOOR FRAMES: SEMIGLOSS

INTERIOR FINISH NOTES

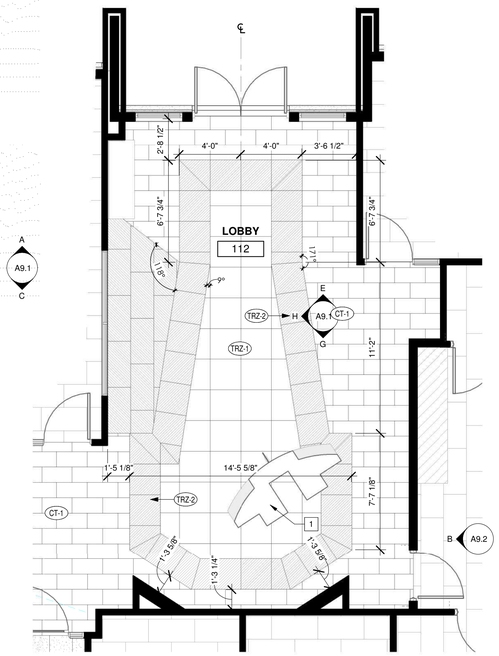
1. FINISH MATERIALS SHALL BE NEW AND OF FIRST RATE QUALITY UNLESS REUSE OF EXISTING FINISH MATERIALS IS NOTED. INSTALL MATERIALS ACCORDING TO SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS (WHICHEVER IS MORE STRINGENT).
2. RUBBER BASE IS TO BE PURCHASED IN ROLLS, NOT 4'-0" SECTIONS.
3. PREFORMED RUBBER BASE CORNERS ARE NOT ACCEPTABLE.
4. DO NOT PAINT ANY PREFINISHED ITEMS, INCLUDING BUT NOT LIMITED TO: FIRE ALARM DEVICES, SPEAKERS, OR PREFINISHED METAL ITEMS.
5. PAINT P-1 SHALL BE PAINTED ON ALL WALLS UNLESS NOTED OTHERWISE.
6. CENTER TILE IN ROOM/AREA.
7. CONTRACTOR SHALL ORDER PLASTIC LAMINATE IN LARGE SHEETS TO AVOID SEAMS.
8. PAINTER SHALL PAINT A SAMPLE OF EACH ACCENT PAINT IN LOCATIONS SPECIFIED PER FINISH PLANS FOR ARCHITECT'S APPROVAL.
9. PROVIDE TRANSITION STRIP WHERE TRANSITION OF FLOORING MATERIALS MEET.
10. PROVIDE PLAM TOE KICK AT ALL PLASTIC LAMINATE BASE CABINETS. .
11. SEE FLOOR FINISH PLANS FOR FLOOR PATTERNS.
12. SEE INTERIOR ELEVATIONS FOR MILLWORK FINISHES..
13. SEE CEILING PLAN FOR CEILING FINISHES.
14. ALL GROUT FOR WALLS SHALL BE UNSANDED. ALL FLOOR GROUT SHALL BE SANDED.
15. UNLESS OTHERWISE NOTED ON REFLECTED CEILING PLAN ALL CEILING GRID SHALL BE WHITE.
16. VERIFY ALL CASEWORK LOCATIONS FOR EXTENT OF FLOORING.

INTERIOR FINISH KEY NOTES

1. SEE MILLWORK SHOP DRAWINGS FOR DIMENSIONS AT JUNCTION OF FINISH FLOOR AND MILLWORK.
2. EPOXY PAINT ON WALLS IN THIS ROOM.

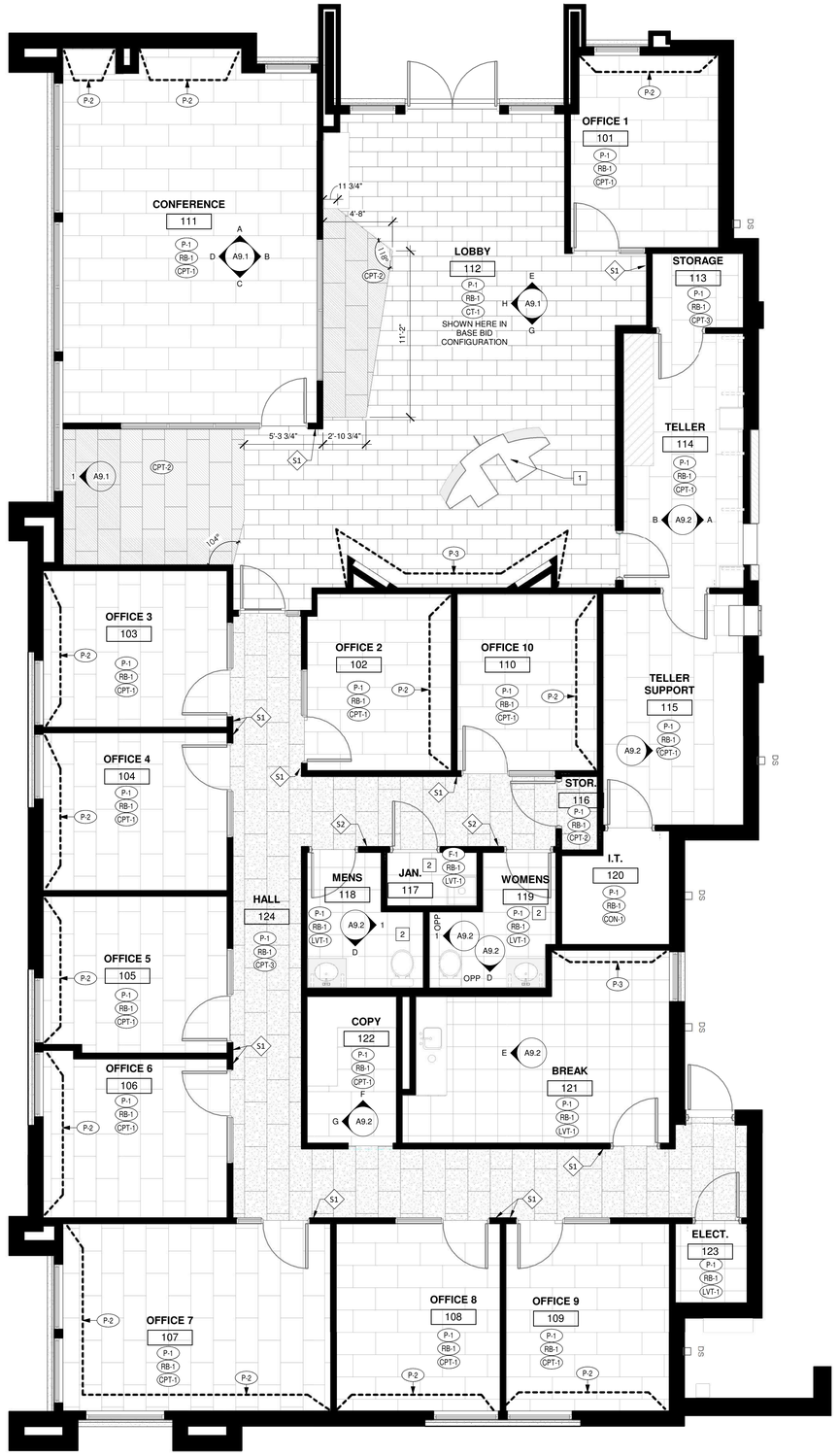
FINISH FLOOR TRANSITIONS

1. CARPET TO TERRAZIO TILE: SCHLUTER RENO BRUSHED STAINLESS STEEL.
2. LVT TO CARPET: SCHLUTER RENO TK BRUSHED STAINLESS STEEL.
3. CARPET TO CONCRETE: JOHNSONITE EDGE GUARD (ED-XXL) COLOR GRAY 48 OR EQUAL BY SCHLUTER.
4. BETWEEN TERZZIO TILES: TERRAZZIO-METAZZIO STRIP, ZINC.
5. VERIFY TRANSITION HEIGHTS ACCOMMODATE FINISH FLOOR MATERIALS.



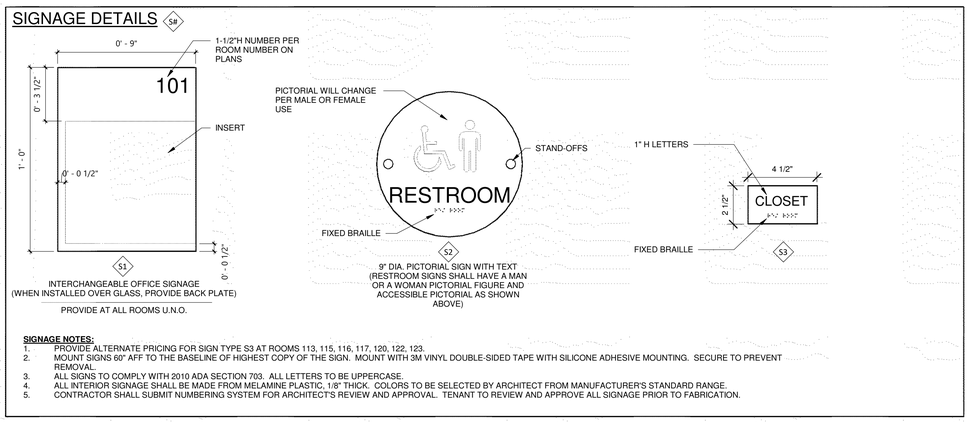
NOTE:
1. GC SHALL PROVIDE ALTERNATE PRICING FOR FLOORING CONFIGURATION SHOWN HERE.
2. ALL FINISHES IN THIS DRAWING ARE LIKE 1/A10.1 EXCEPT WHERE NOTED OTHERWISE

NORTH 2 A10.1 FINISH PLAN - ALTERNATE 1
1/4" = 1'-0"



NORTH A10.1 FINISH PLAN
1/4" = 1'-0"

SIGNAGE DETAILS S#



SIGNAGE NOTES:
1. PROVIDE ALTERNATE PRICING FOR SIGN TYPE S3 AT ROOMS 113, 115, 116, 117, 120, 122, 123.
2. MOUNT SIGNS 60" AFF TO THE BASELINE OF HIGHEST COPY OF THE SIGN. MOUNT WITH 3M VINYL DOUBLE-SIDED TAPE WITH SILICONE ADHESIVE MOUNTING. SECURE TO PREVENT REMOVAL.
3. ALL SIGNS TO COMPLY WITH 2010 ADA SECTION 703. ALL LETTERS TO BE UPPERCASE.
4. ALL INTERIOR SIGNAGE SHALL BE MADE FROM MELAMINE PLASTIC, 1/8" THICK. COLORS TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD RANGE.
5. CONTRACTOR SHALL SUBMIT NUMBERING SYSTEM FOR ARCHITECT'S REVIEW AND APPROVAL. TENANT TO REVIEW AND APPROVE ALL SIGNAGE PRIOR TO FABRICATION.

FINISH SCHEDULE - INTERIOR

MARK	DESCRIPTION	MANUFACTURER	MODEL NAME	MODEL NUMBER	COLOR	SIZE	NOTE
02_FLOOR FINISHES							
CON-1	POLISHED CONCRETE						
CPT-1	CARPET TILE	BENTLEY	SHAPESHIFTER II		META MORPH	18"x36"	ASHLAR INSTALLATION
CPT-2	CARPET TILE	BENTLEY	COHORT		SUPPLY + DEMAND	18"x36"	ASHLAR INSTALLATION
CPT-3	CARPET TILE	BENTLEY	SHAPESHIFTER II		LYCAN	18"x36"	ASHLAR INSTALLATION
CT-1	CERAMIC TILE	LANDMARK	SOUL		SILVER WOOL	12"X24"	BRICK INSTALLATION
LVT-1	LUXURY VINYL TILE (LVT)	MANNINGTON	GRID		POP - AS SELECTED BY TENANT'S REP	18"x18"	MONOLITHIC INSTALLATION
TRZ-1	TERRAZZIO TILE	TERRAZZIO			STERLING WHITE	24"X24"	
TRZ-2	TERRAZZIO TILE	TERRAZZIO			STEEL GRAY	24"X24"	
04_INTERIOR PAINT FINISHES							
P-1	WALL PAINT	SHERWIN WILLIAMS			7570 EGRET WHITE		
P-2	WALL PAINT	BENJAMIN MOORE		HC-166	KENDALL CHARCOAL		
P-3	WALL PAINT	PPG (OR SW MATCH)		PPG1162-6	TEENY BIKINI		SMARTBANK OFFICIAL COLOR FOR ACCENT WALLS
P-4	CEILING PAINT	PPG (OR SW MATCH)		PPG1162-6	CEILING BRIGHT WHITE		
04_WALL BASE FINISHES							
RB-1	VINYL BASE	JOHNSONITE	4" COVE WALL BASE		CHARCOAL (20)		
05_MISCELLANEOUS FINISHES							
DF-1	DECORATIVE WINDOW FILM	SOLYX	DUSTED CRYSTAL	SX-3140			
F-1	FRP WALL PANELS	MARLITE			BRIGHT WHITE	48" X 120"	
FP-1	FOAM PANEL	SONEX	VALUELINE FOAM		TBD	24"X48"	
P-2	TRIM PAINT	BENJAMIN MOORE		HC-166	KENDALL CHARCOAL		
06_MILLWORK							
CP-1	CABINET PULL	AMEROCK		BP24013-SN			CHROME FINISH
LAM-1	LAMINATE	NEVAMAR			WROUGHT IRON S-6054T		TEXTURED
LAM-2	LAMINATE	PENOITE			LIMESTONE SG208SD		SUEDE
SS-1	SOLID SURFACE	DURASEIN			EVER AFTER		
SS-2	SOLID SURFACE	CAMBRIA			FIELDSTONE QUARTZ		

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BLUE SKY LATITUDE
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NEW CONSTRUCTION:
THE VILLAGE AT SAMFORD TRACE BUILDING 4 - SMARTBANK
1940 SAMFORD AVENUE
AUBURN, AL 36830

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

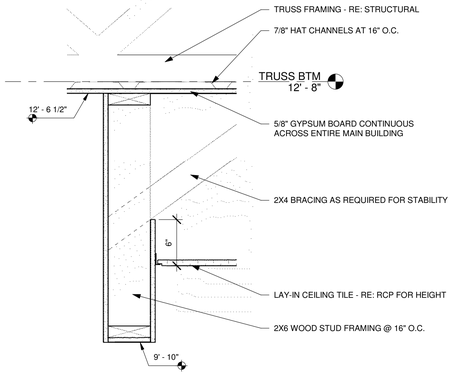
JOB No. 23001

REVISION SCHEDULE

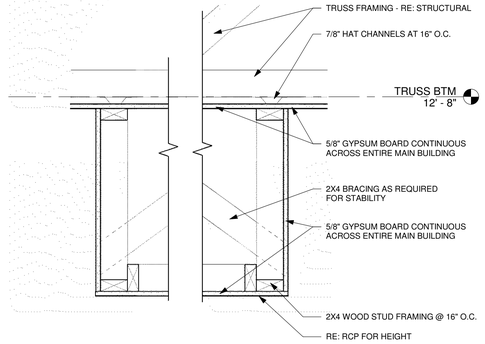
No.	Description	Date

FINISH PLAN

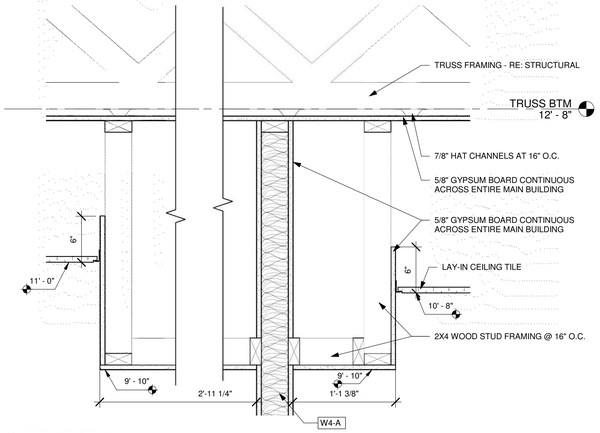
A10.1



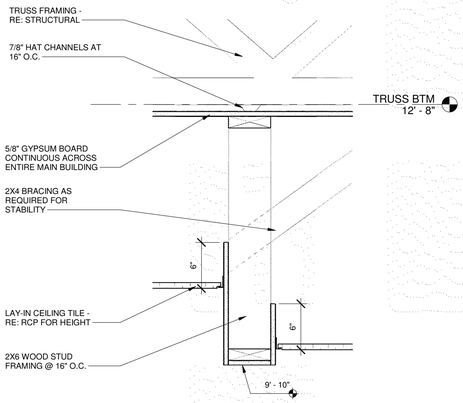
12 A11.1 BULKHEAD DETAIL
1 1/2" = 1'-0"



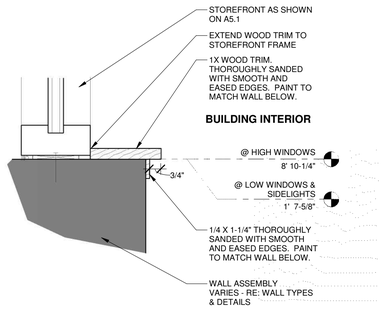
13 A11.1 SOFFIT SECTION
1 1/2" = 1'-0"



10 A11.1 SOFFIT SECTION
1 1/2" = 1'-0"

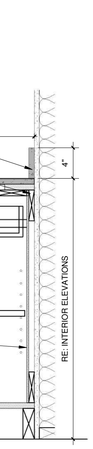


14 A11.1 BULKHEAD DETAIL
1 1/2" = 1'-0"

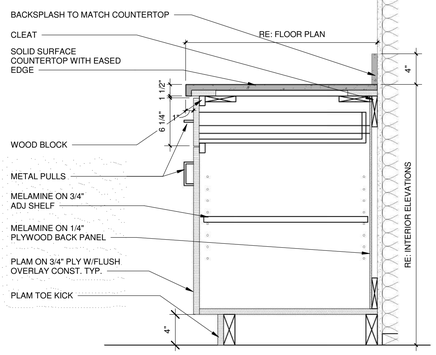


NOTE: WOOD SILL SHOWN IS REQUIRED AT INTERIOR SIDE OF ALL STOREFRONT WINDOWS AND SIDELIGHTS. WHERE STOREFRONT HAS BUILDING INTERIOR ON BOTH SIDES, PROVIDE THIS WOOD SILL TRIM AT BOTH SIDES.

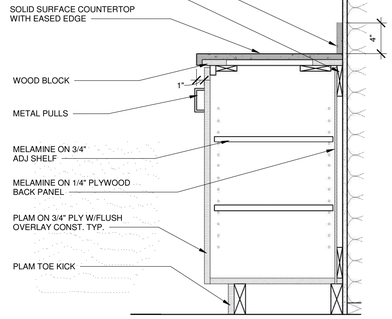
11 A11.1 TYP SILL AT STOREFRONT INTERIOR
3" = 1'-0"



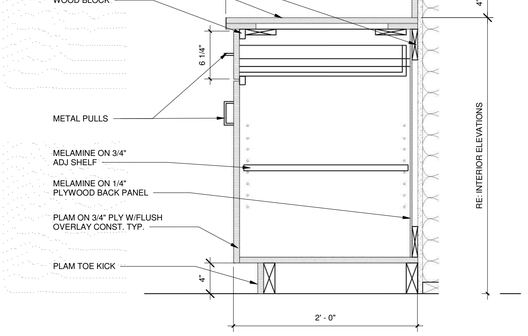
8 A11.1 TOP OF LOW WALL
1 1/2" = 1'-0"



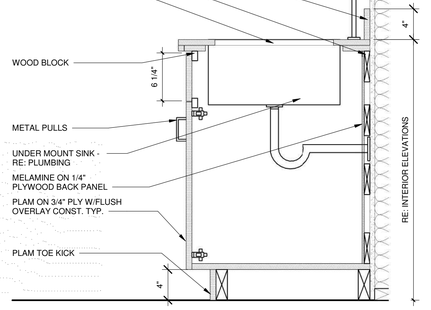
5 A11.1 BASE MILLWORK WITH DRAWER
1 1/2" = 1'-0"



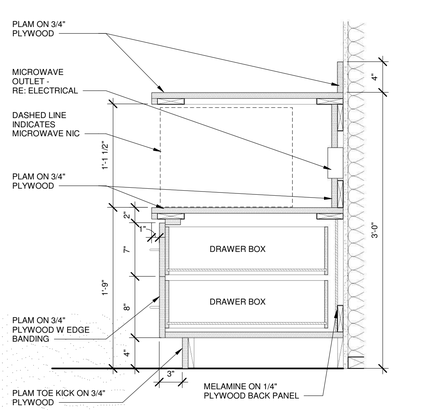
4 A11.1 CONFERENCE BASE MILWORK SECTION
1 1/2" = 1'-0"



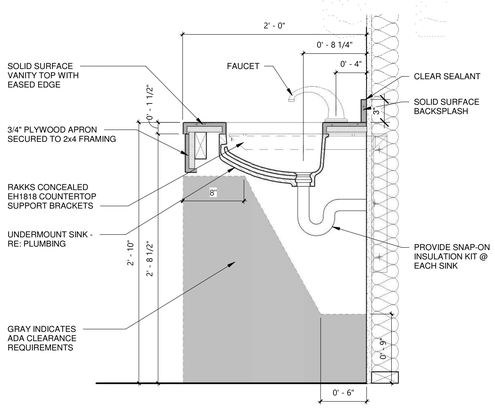
7 A11.1 BASE MILLWORK SECTION
1 1/2" = 1'-0"



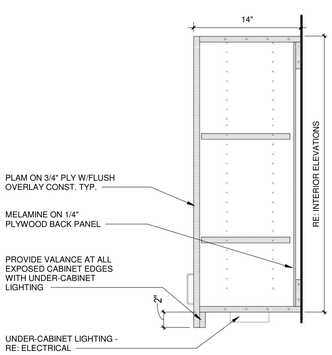
6 A11.1 BASE MILLWORK WITH SINK
1 1/2" = 1'-0"



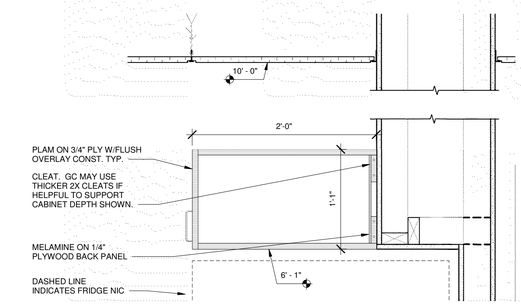
3 A11.1 BASE MILLWORK @ MICROWAVE
1 1/2" = 1'-0"



1 A11.1 LAVORATORY MILLWORK
1 1/2" = 1'-0"



2 A11.1 UPPER MILLWORK
1 1/2" = 1'-0"



9 A11.1 UPPER MILLWORK ABOVE FRIDGE
1 1/2" = 1'-0"

MILLWORK GENERAL NOTES

1. AT MILLWORK AREAS WITH BANK EQUIPMENT, VERIFY ALL DIMENSIONS ONCE BANK EQUIPMENT IS INSTALLED.
2. CONTRACTOR TO COORDINATE WITH TENANT REP FOR FIELD BORING OF ALL GROMMETS.

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STATE OF ALABAMA
MICHAEL A. ELLIS
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JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

INTERIOR DETAILS

A11.1

6/27/2023 3:55:55 PM

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Do Not Scale From Drawings.

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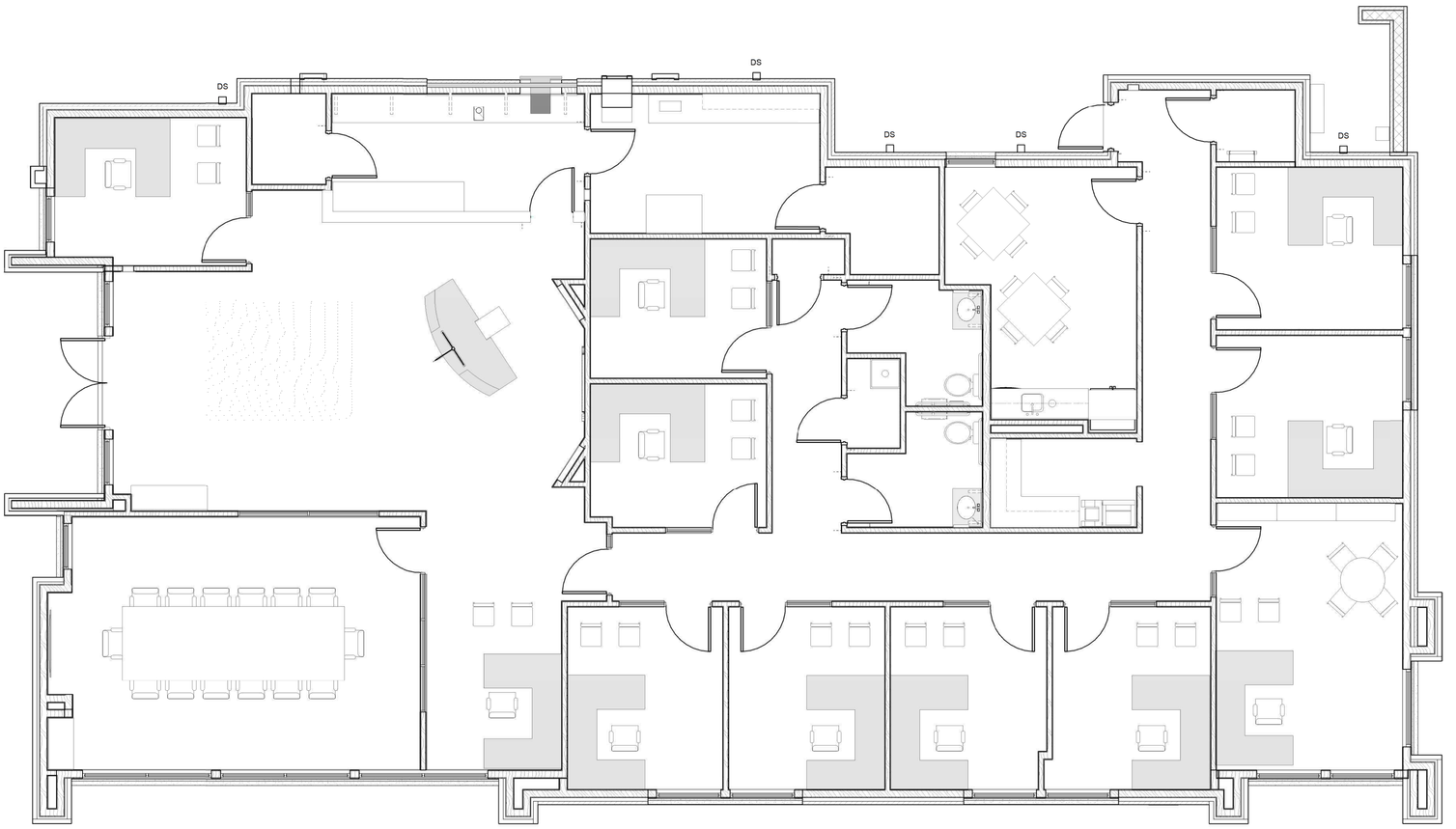
REVISION SCHEDULE		
No.	Description	Date

FURNITURE PLAN

A11.10



1 FURNITURE PLAN
A11.10 1/4" = 1'-0"

NORTH

FURNITURE PLAN NOTES

1. FURNITURE LAYOUT PER TENANT'S SUPPLIER. COORDINATE AS NEEDED.

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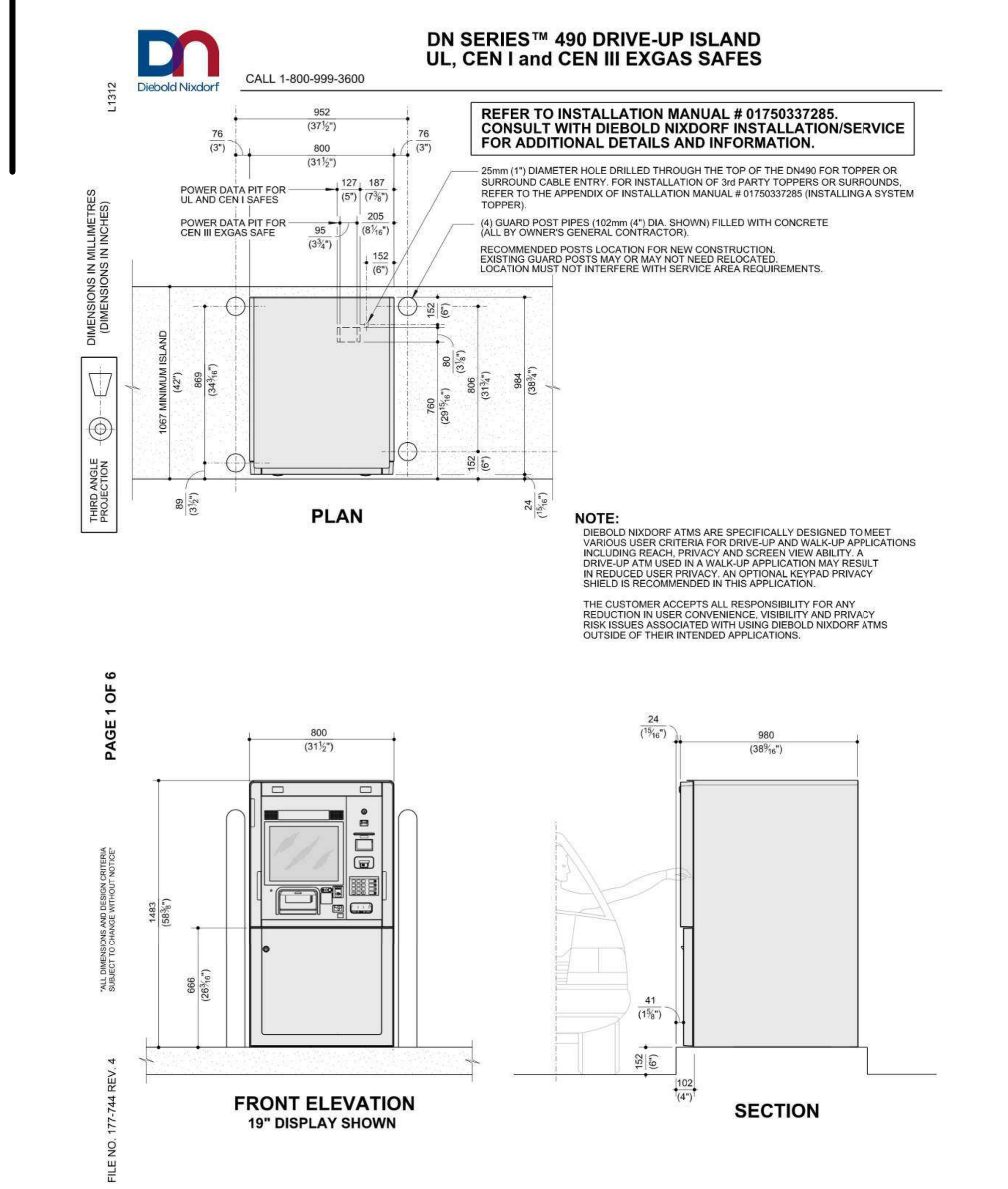
BANK EQUIPMENT ITEM A PAGE 1 OF 6



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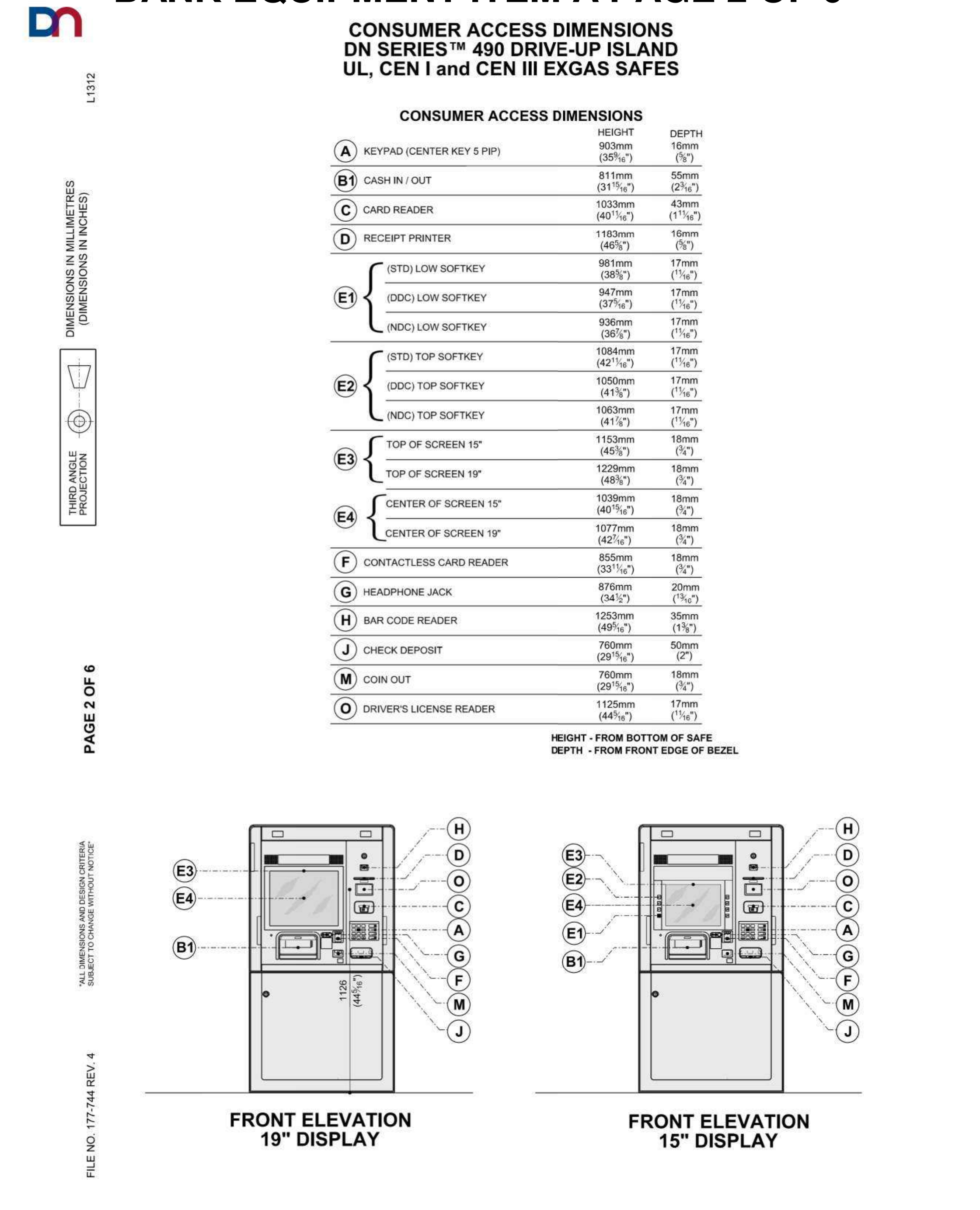
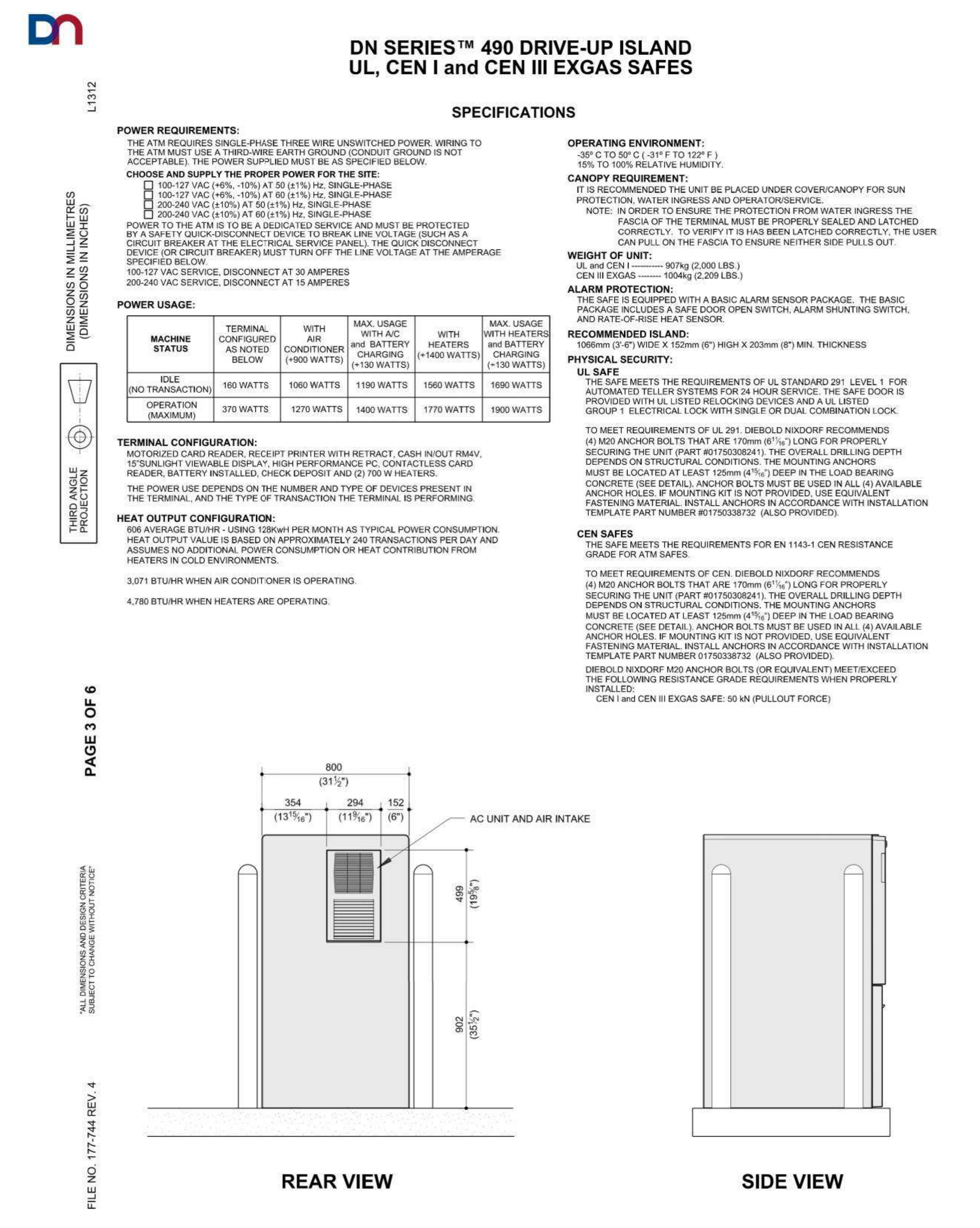


BANK EQUIPMENT ITEM A PAGE 3 OF 6



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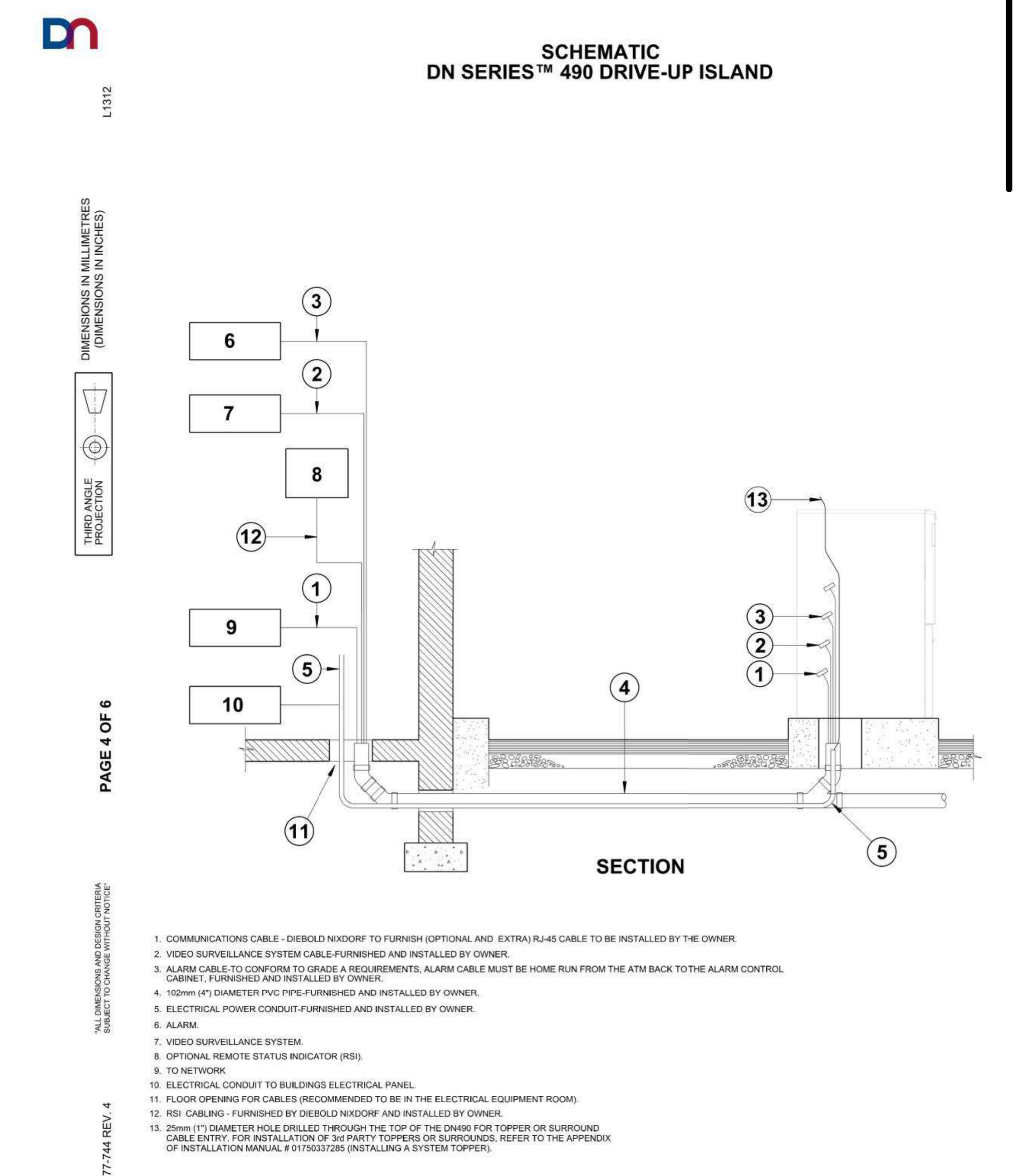

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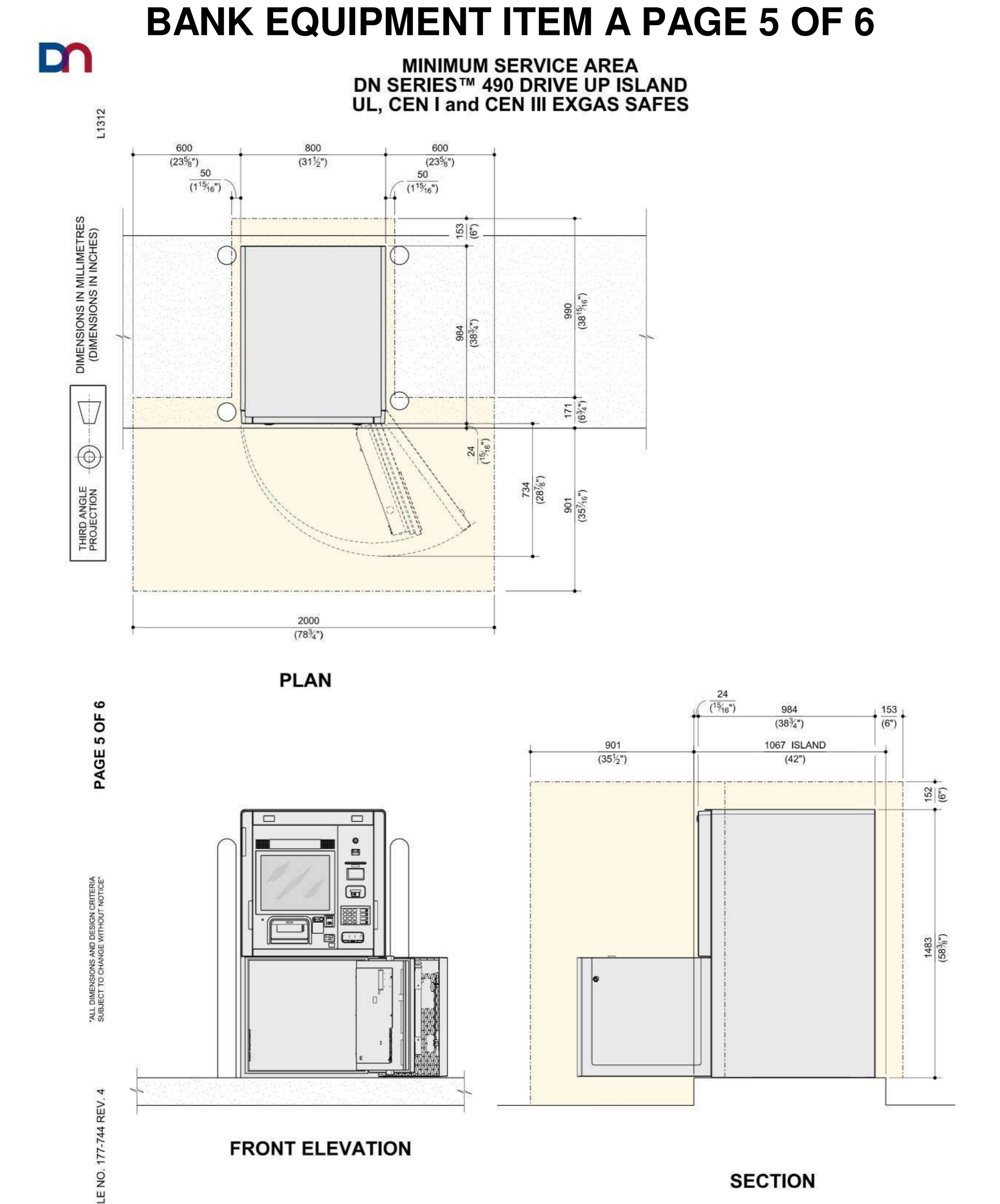
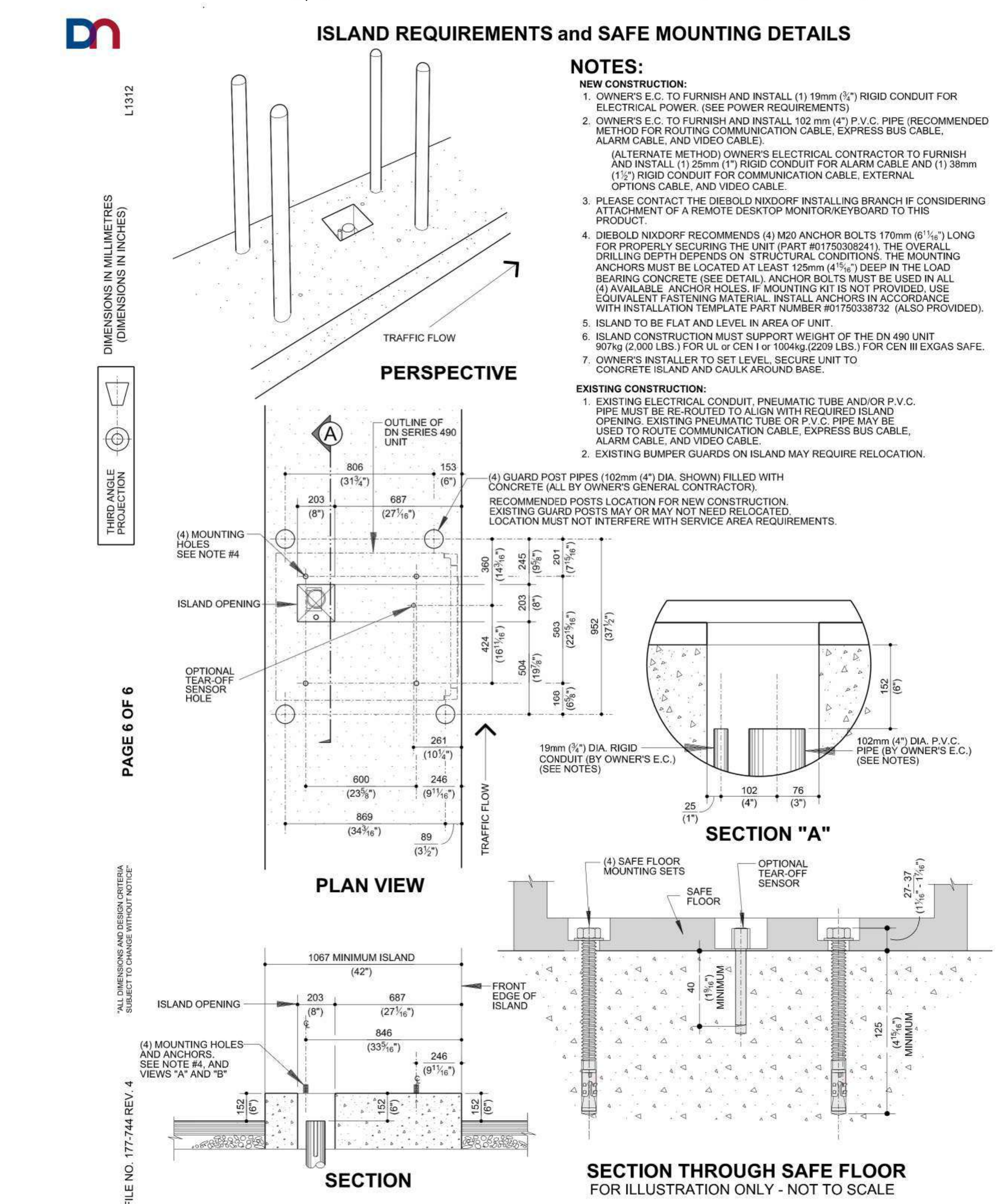


BANK EQUIPMENT ITEM A PAGE 6 OF 6



BANK EQUIPMENT SCHEDULE

(X)

RE: BANK EQUIPMENT ON A12 SHEETS.

EQUIPMENT DESIGNATION	EQUIPMENT NAME	PROVIDED BY	INSTALLED BY	NOTES
A	DRIVE-UP ISLAND ATM	TENANT	TENANT	
B	PNEUMATIC TUBE SYSTEM	TENANT	TENANT	
C	TELLER TERMINAL	TENANT	TENANT	
D	DEAL DRAWER	TENANT	GC	
E	NOT USED	-	-	
F	NIGHT DROP	TENANT	GC	
G	SAFE AKA PORTA VAULT	TENANT	TENANT	
H	CASH PEDESTAL	TENANT	TENANT	
I	TELLER WINDOW	TENANT	GC	
J	DEBIT CARD PRINTER	TENANT	TENANT	
K	DRIVE-THRU LANE SIGNS	TENANT	GC	
L	TELLER CASH RECYCLER	TENANT	TENANT	
M	TELLER POD MILLWORK	GC	GC	

BANK EQUIPMENT NOTES

1. RE: BANK EQUIPMENT ON A12 SHEETS.
2. BANK EQUIPMENT SHOWN FOR REFERENCE ONLY. ACTUAL MANUFACTURER AND PRODUCTS SHALL BE TENANT-SUPPLIED AND CONTRACTOR INSTALLED. DIFFERENT MANUFACTURERS AND PRODUCTS MAY BE SELECTED INSTEAD OF THE EQUIPMENT SHOWN HERE. VERIFY ALL PRODUCTS AND SELECTIONS PRIOR TO CONSTRUCTION AND FABRICATION. COORDINATE AND ACCOMMODATE ANY CHANGES OR DIMENSIONS.

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REVISION SCHEDULE

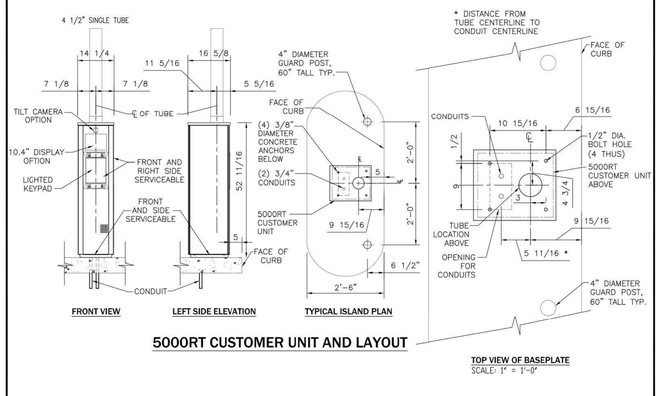
No.	Description	Date

BANK EQUIPMENT

A12.1

6/27/2023 3:56:00 PM

BANK EQUIPMENT ITEM B PAGE 1 OF 1



5000RT CUSTOMER UNIT AND LAYOUT

SCALE: 1/2"=1'-0" (UNLESS OTHERWISE NOTED)

DATE:	DRAWN BY:	APPROVED BY:	REVISED:	PROJECT NAME:
01/08/10	CWP/FSP	–	–	

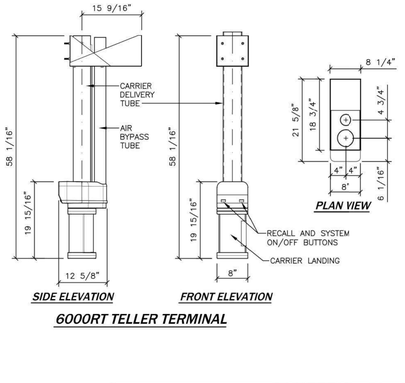
PREPARED FOR:

DRAWING NAME: 5000RT 1 LANE & 5FT WINDOW W/OUT DRAWER

DRAWING NUMBER: 5000RT-1R-5W-ODD

SHEET: 4 OF 6

BANK EQUIPMENT ITEM C PAGE 1 OF 1



6000RT TELLER TERMINAL

Made in the USA

DATE:	DRAWN BY:	APPROVED BY:	REVISED:	PROJECT NAME:
6/17/16	WDM/FSP	XXX		

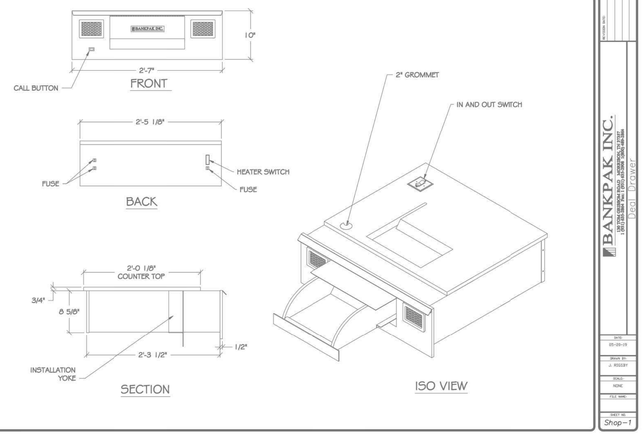
PREPARED FOR:

DRAWING NAME: 6000RT TELLER TERMINAL

DRAWING NUMBER: 6000RT TELLER TERMINAL

SHEET: 1 of 1

BANK EQUIPMENT ITEM D PAGE 1 OF 1



BANK EQUIPMENT SCHEDULE (X)

RE: BANK EQUIPMENT ON A12 SHEETS.

EQUIPMENT DESIGNATION	EQUIPMENT NAME	PROVIDED BY	INSTALLED BY	NOTES
A	DRIVE-UP ISLAND ATM	TENANT	TENANT	
B	PNEUMATIC TUBE SYSTEM	TENANT	TENANT	
C	TELLER TERMINAL	TENANT	TENANT	
D	DEAL DRAWER	TENANT	GC	
E	NOT USED	-	-	
F	NIGHT DROP	TENANT	GC	
G	SAFE AKA PORTA VAULT	TENANT	TENANT	
H	CASH PEDESTAL	TENANT	TENANT	
I	TELLER WINDOW	TENANT	GC	
J	DEBIT CARD PRINTER	TENANT	TENANT	
K	DRIVE-THRU LANE SIGNS	TENANT	GC	
L	TELLER CASH RECYCLER	TENANT	TENANT	
M	TELLER POD MILLWORK	GC	GC	

BANK EQUIPMENT NOTES

1. RE: BANK EQUIPMENT ON A12 SHEETS.
2. BANK EQUIPMENT SHOWN FOR REFERENCE ONLY. ACTUAL MANUFACTURER AND PRODUCTS SHALL BE TENANT-SUPPLIED AND CONTRACTOR INSTALLED. DIFFERENT MANUFACTURERS AND PRODUCTS MAY BE SELECTED INSTEAD OF THE EQUIPMENT SHOWN HERE. VERIFY ALL PRODUCTS AND SELECTIONS PRIOR TO CONSTRUCTION AND FABRICATION. COORDINATE AND ACCOMMODATE ANY CHANGES OR DIMENSIONS.

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REVISION SCHEDULE

No.	Description	Date

BANK EQUIPMENT

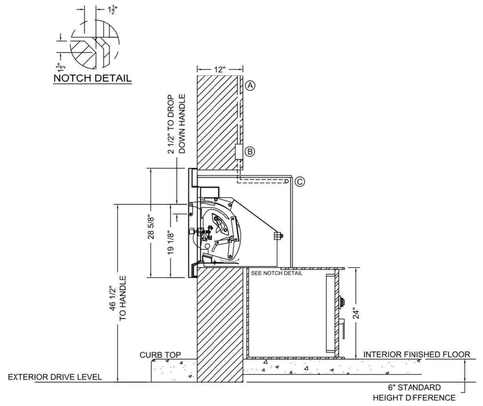
A12.2

6/27/2023 3:56:03 PM

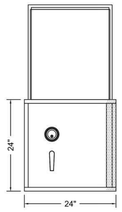
BANK EQUIPMENT ITEM F PAGE 1 OF 3

TOLERENCES

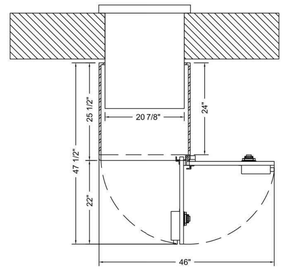
INTERIOR DEPOSITORY LIGHT COMPONENTS
A. (2) ¾" CONDUITS FOR ALARM, CCTV, AND ELECTRICAL. STUB IN TO ROUGH OPENING AND TO ACCESSIBLE CEILING WITH BRUSHED END (BY ELECTRICAL CONTRACTOR)
B. (2) SINGLE J BOX
C. (2) ROUGH OPENING FOR ¾" CONDUITS WITH 110V



DEPOSITORY ASSEMBLY VERTICAL SECTION



SAFE ASSEMBLY INTERIOR ELEVATION



DEPOSITORY ASSEMBLY PLAN VIEW

NOTES
1. RECOMMEND NIGHT DEPOSITORY SHOULD BE PLACED UNDER CANOPY
2. MINIMUM OF TWO (2) 1/2" ANCHOR HOLES PROVIDED
3. INTERIOR WALL OPENING AROUND OUTER HOUSING IS TO BE FILLED (BY OTHERS) USING APPROPRIATE MATERIALS
4. DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE. CONFIRM WITH FORTIS PRIOR TO ORDERING
5. HANDLE MEETS ADA GUIDELINES FOR 5lb PULL - 5lb PUSH

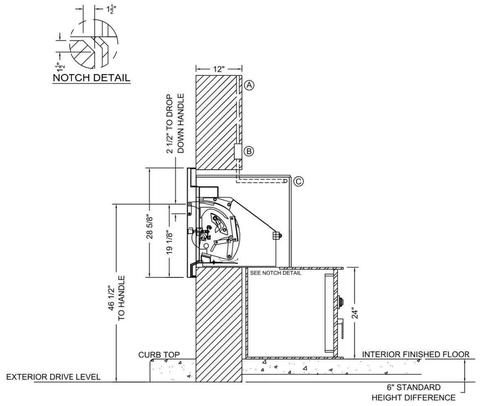
FORTIS SECURITY PRODUCTS

DRAWING TITLE: 24D DEPOSITORY INTERNAL DEPOSITORY ASSEMBLY	VARIATION: SAFE DOOR SWING ORIENTATION: RIGHT HAND; DRIVE/INTERIOR FLOOR HEIGHT DIFFERENCE: 6"; SAFE DOOR LOCATION: FRONT SIDE; SAFE RATING: -		
CLIENT	DRAWN BY	DATE	DWG. NO. 24D-F_6_12
PROJECT	APPROVED BY	DATE	SCALE 3/4" = 1' 0" / SHEET 1 OF 3

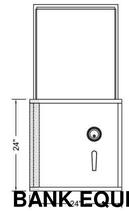
BANK EQUIPMENT ITEM F PAGE 2 OF 3

TOLERENCES

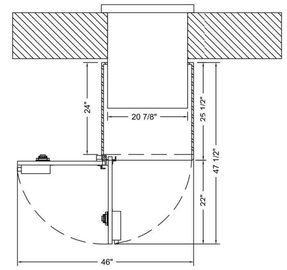
INTERIOR DEPOSITORY LIGHT COMPONENTS
A. (2) ¾" CONDUITS FOR ALARM, CCTV, AND ELECTRICAL. STUB IN TO ROUGH OPENING AND TO ACCESSIBLE CEILING WITH BRUSHED END (BY ELECTRICAL CONTRACTOR)
B. (2) SINGLE J BOX
C. (2) ROUGH OPENING FOR ¾" CONDUITS WITH 110V



DEPOSITORY ASSEMBLY VERTICAL SECTION



SAFE ASSEMBLY INTERIOR ELEVATION



DEPOSITORY ASSEMBLY PLAN VIEW

NOTES
1. RECOMMEND NIGHT DEPOSITORY SHOULD BE PLACED UNDER CANOPY
2. MINIMUM OF TWO (2) 1/2" ANCHOR HOLES PROVIDED
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5. HANDLE MEETS ADA GUIDELINES FOR 5lb PULL - 5lb PUSH

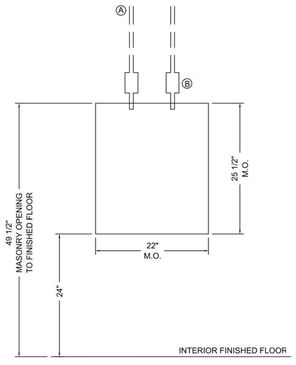
FORTIS SECURITY PRODUCTS

DRAWING TITLE: 24D DEPOSITORY INTERNAL DEPOSITORY ASSEMBLY	VARIATION: SAFE DOOR SWING ORIENTATION: LEFT HAND; DRIVE/INTERIOR FLOOR HEIGHT DIFFERENCE: 6"; SAFE DOOR LOCATION: FRONT SIDE; SAFE RATING: -		
CLIENT	DRAWN BY	DATE	DWG. NO. 24D-F_6_12
PROJECT	APPROVED BY	DATE	SCALE 3/4" = 1' 0" / SHEET 2 OF 3

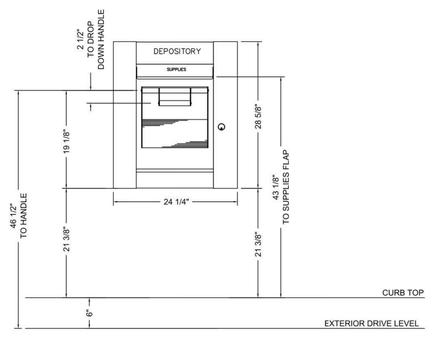
BANK EQUIPMENT ITEM F PAGE 3 OF 3

TOLERENCES

INTERIOR DEPOSITORY LIGHT COMPONENTS
A. (2) ¾" CONDUITS FOR ALARM, CCTV, AND ELECTRICAL. STUB IN TO ROUGH OPENING AND TO ACCESSIBLE CEILING WITH BRUSHED END (BY ELECTRICAL CONTRACTOR)
B. (2) SINGLE J BOX



WALL OPENING INTERIOR ELEVATION



EXTERIOR ELEVATION

NOTES
1. ELECTRICAL CONTRACTOR SHALL PROVIDE:
   (2) SINGLE J-BOXES FOR THE FOLLOWING
   (1) 110VAC FOR FLOURESCENT LIGHT
   (1) ALARM J-BOX FOR THERMAL & DOOR CONTACT,
   CCTV FOR OPTIONAL CAMERA
2. DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE. CONFIRM WITH FORTIS PRIOR TO ORDERING

FORTIS SECURITY PRODUCTS

DRAWING TITLE: 24D DEPOSITORY MASONRY OPENING	VARIATION: SAFE DOOR SWING ORIENTATION: -; DRIVE/INTERIOR FLOOR HEIGHT DIFFERENCE: 6"; SAFE DOOR LOCATION: -; SAFE RATING: -		
CLIENT	DRAWN BY	DATE	DWG. NO. 24D-F_6_12
PROJECT	APPROVED BY	DATE	SCALE 1" = 1' 0" / SHEET 3 OF 3

BANK EQUIPMENT SCHEDULE (X)

RE: BANK EQUIPMENT ON A12 SHEETS.

EQUIPMENT DESIGNATION	EQUIPMENT NAME	PROVIDED BY	INSTALLED BY	NOTES
A	DRIVE-UP ISLAND ATM	TENANT	TENANT	
B	PNEUMATIC TUBE SYSTEM	TENANT	TENANT	
C	TELLER TERMINAL	TENANT	TENANT	
D	DEAL DRAWER	TENANT	GC	
E	NOT USED	-	-	
F	NIGHT DROP	TENANT	GC	
G	SAFE AKA PORTA VAULT	TENANT	TENANT	
H	CASH PEDESTAL	TENANT	TENANT	
I	TELLER WINDOW	TENANT	GC	
J	DEBIT CARD PRINTER	TENANT	TENANT	
K	DRIVE-THRU LANE SIGNS	TENANT	GC	
L	TELLER CASH RECYCLER	TENANT	TENANT	
M	TELLER POD MILLWORK	GC	GC	

BANK EQUIPMENT NOTES

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BLUE SKY LATITUDE
1490 Northbank Parkway, Suite 271
Tuscaloosa, AL 35406
Maellis.architect@gmail.com
205-792-6321

NEW CONSTRUCTION:
THE VILLAGE AT SAMFORD TRACE
BUILDING 4 - SMARTBANK
1940 SAMFORD AVENUE
AUBURN, AL 36830

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

BANK EQUIPMENT

A12.3

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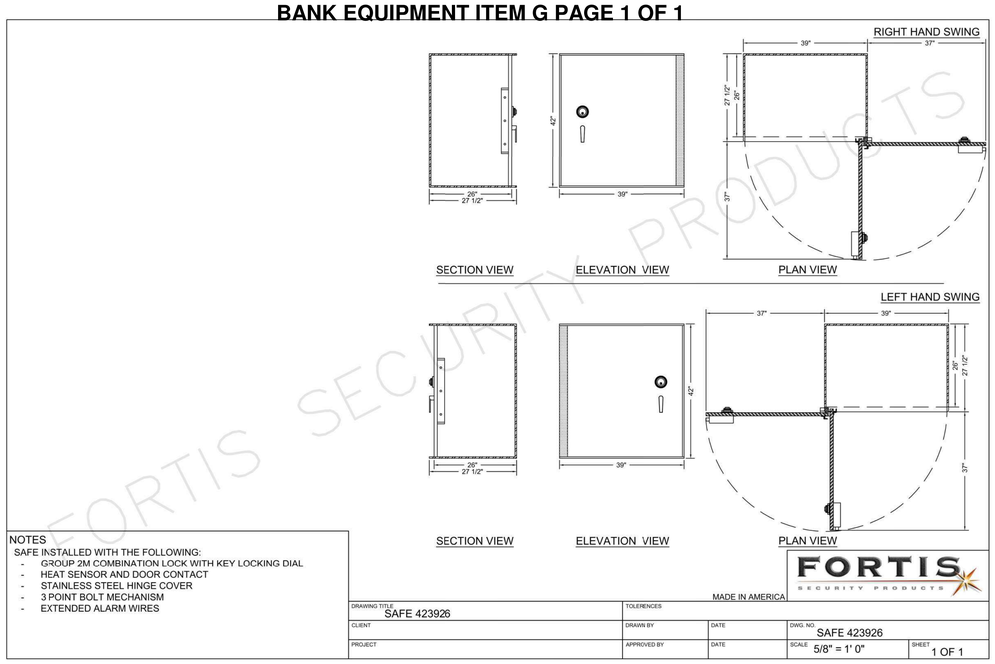
BANK EQUIPMENT ITEM G PAGE 1 OF 1



NOTES
SAFE INSTALLED WITH THE FOLLOWING:
- GROUP 2M COMBINATION LOCK WITH KEY LOCKING DIAL
- HEAT SENSOR AND DOOR CONTACT
- STAINLESS STEEL HINGE COVER
- 3 POINT BOLT MECHANISM
- EXTENDED ALARM WIRES

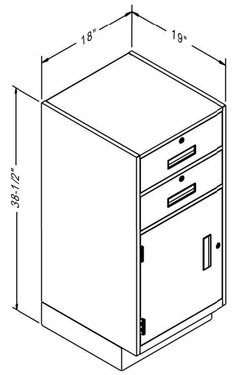
FORTIS SECURITY PRODUCTS

MADE IN AMERICA

DRAWING TITLE: SAFE 423926	TOLERENCES:		
CLIENT	DRAWN BY	DATE	DWG. NO.: SAFE 423926
PROJECT	APPROVED BY	DATE	SCALE: 5/8" = 1' 0" / SHEET: 1 OF 1

BANK EQUIPMENT ITEM H PAGE 1 OF 1

PART NO.	TITLE: 204-19	USED BY:	SCALE:	ORDER NO.: -	PACKAGE SHEET: OF
SHEET: OF		DATE:	DRN BY: Bollon T. DATE: 12/20/06	CUSTOMER: FENCO	



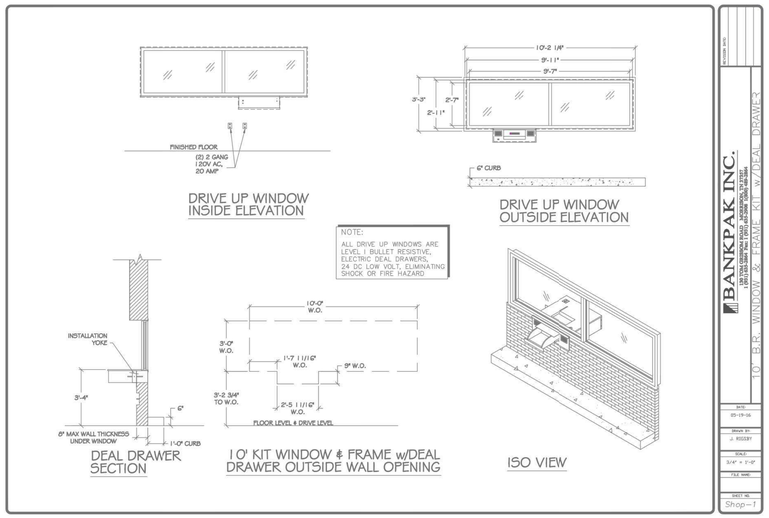
WT: 110 LBS

Last Update: 12/11/2007 - Bollon T.

Fenco
Undercounter & Forecounter Equipment
P.O. BOX 1238 BURLINGTON, NJ 08016-0516
www.fencocabinetequipment.com

204-19.PRT

BANK EQUIPMENT ITEM I PAGE 1 OF 1



BANK EQUIPMENT SCHEDULE (X)

RE: BANK EQUIPMENT ON A12 SHEETS.

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E	NOT USED	-	-	
F	NIGHT DROP	TENANT	GC	
G	SAFE AKA PORTA VAULT	TENANT	TENANT	
H	CASH PEDESTAL	TENANT	TENANT	
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J	DEBIT CARD PRINTER	TENANT	TENANT	
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L	TELLER CASH RECYCLER	TENANT	TENANT	
M	TELLER POD MILLWORK	GC	GC	

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STATE OF ALABAMA
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JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

BANK EQUIPMENT

A12.4

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BANK EQUIPMENT ITEM J PAGE 1 OF 4

Sigma DS4-ES1 Instant Issuance System with Embosser

HIGHLIGHTS

Sigma: The next generation of instant card issuance

Entrust Sigma Instant Issuance Systems are specifically designed for today's cloud environments and give you the ability to easily issue the most secure financial cards in the world.

- **Simple:** From unboxing to issuing cards to managing your printer, we made sure Sigma was the most user-friendly card issuance solution in the world
- **Secure:** Our industry-leading issuance security architecture will keep your cards and your customers' data safe and secure at each step of the issuance process
- **Smart:** Forward-thinking technology and scalability allow you to expand your card issuance program as your needs evolve

Single-hopper with embosser

KEY FEATURES & BENEFITS

The world's most user-friendly financial card printer

- Intuitive printer dashboard lets you see printer status, order supplies, check cleaning status, update firmware, or contact help – all from your mobile device
- Seamless self-service lets you access how-to videos and other helpful resources by simply scanning a QR code on the LCD display
- Variable LED light ring lets you incorporate brand colors or other customization into your ambient environment
- Pre-loaded ribbon cassettes make switching ribbons easy
- Optional multi-hopper enables multiple card designs from a single printer
- Removable card cassettes make securing cardstock overnight a breeze

Learn more about the Sigma DS4-ES1 printer at entrust.com

BANK EQUIPMENT ITEM J PAGE 2 OF 4

Sigma DS4-ES1 Instant Issuance System

Unmatched security

- Dual-control access with security locks protects cardstock, supplies, and rejected cards, meeting Visa and Mastercard security requirements
- Cardstock is easily removable for secure overnight storage
- Secure boot protects system from malware or virus on boot-up
- Trusted Platform Module (TPM) manages the printer's own TLS/SSL certificates and keys
- Connection and data sent between Entrust Adaptive Issuance™ software and printer is encrypted
- Customer data is encrypted and is not stored in the printer after printing is complete

Flexible, scalable, and easily integrated into your IT environment

- Issuance capabilities include:
  - Full-color or monochrome direct to-card printing
  - Magnetic stripe encoding
  - Contact or contactless smart card encoding
- Choose on-premises or cloud-hosted deployment
- Embossed text with metallic tipping foil for an elegant look
- Add multi-hopper for multiple pre-designed card feeding
- A full suite of services is available to help ensure your instant issuance program runs smoothly at every one of your branches

BANK EQUIPMENT ITEM J PAGE 3 OF 4

Sigma DS4-ES1 Instant Issuance System

TECHNICAL SPECIFICATIONS

Standard Features & Supplies	
Print technology	Dye sublimation / resin thermal transfer
Print capabilities	Single- or dual-sided edge-to-edge, full-color, and monochrome printing
Print resolution	• Standard mode: 300 dots per inch (dpi) (300 X 600, 300 X 1200) standard text, bar code, and graphics printing • TrueMatch™ printing technology. Ability to conform to ICC color workflow
Print speed	• Single-sided color ribbon (YMCKT): up to 250 cards per hour (cph) • Double-sided color ribbon (YMCKT-KT): up to 180 cards per hour (cph) • Double-sided monochrome ribbon (black HQ): up to 500 cards per hour (cph) • 60 seconds to encode mag stripe, indent, emboss, and top the card • 64 seconds to print monochrome graphics, encode mag stripe, indent, emboss, and top the card • 78 seconds to print color graphics, encode mag stripe, indent, emboss, and top the card
Card capacity	Input hopper: 125 cards (based on 0.03-in. card thickness) Output hopper: 25 cards Reject holding tray: 10 cards Front exception card slot
Card sizes	Thickness: 0.010 inches to 0.040 inches (0.25mm - 1.016mm) Dimension: ID-1, CR-79
Embossing/Indenting	• 75-character embossing/indenting wheel, financial format per ID-1 ISO 7811-3 • Single- or dual-sided • Mastercard security characters | Helvetica® characters | OCR-A1, OCR-B1
Operating environment	Temperature: 60°F to 95°F (15°C to 35°C) Humidity: 20%-80% RH – non condensing
Magnetic stripe encoding	ISO 7811 three-track support (high- and low-coercivity) JIS Type II single-track option
Smart card personalization	• Contact and contactless smart card encoding for ISO 14443 A/B, ISO 15693, MIFARE®, MIFARE® DESFire® EV1/EV2 • Single-wire connectivity | Supports production of EMV® level-1 compliant card
Security features	• Software-activated lock to secure cardstock, supplies, and reject card hopper • TLS/SSL encryption, supports AES-256 • Bolt-down ready • Secure cable lock (sold separately) • Concealed output hopper • Password-protected cabinet • Non-resettable card counter for auditing
LCD display languages	English, Spanish, German, Italian, and Japanese
Physical dimensions	• Printer: L 17.4 in x W 8.9 in x H 9.0 in / 44.2 cm x 22.6 cm x 22.9 cm • Printer with optional multi-hopper: 23 in x 13.4 in x 16.2 in (58.4 cm x 34 cm x 41.1 cm) • Bottom module (indenting, embossing, topping, card output): 15 in. x 27.5 in. x 10.5 in. (38.1 cm x 69.9 cm x 36.8 cm)

BANK EQUIPMENT ITEM J PAGE 4 OF 4

Sigma DS4-ES1 Instant Issuance System

Weight	Printer: 12.1 lbs (5.49 kg) Printer with multi-hopper: 30.9 lbs (14.02 kg)	
Connectivity	Ethernet	
Driver operating system support	• Windows 11 • Windows 10 version 1909 – 64-bit – enterprise, home, professional • Windows 10 – 32 bit – professional or enterprise	
Warranties	36 months	
Optional Features & Supplies		
Multi-hopper	Six-compartment hopper, 125-card capacity each (750 cards total)	
Color ribbons	YMCKT YMCKT-KT KTT YMCKL-KT ST-KT GT-KT	500 images 350 images 750 images 300 images 500 images 500 images
Monochrome ribbons	Black, blue, red, green, silver matte, gold matte, silver metallic, and gold metallic: 1,500 images	

Color ribbon guide: Y=Yellow, M=Magenta, C=Cyan, K=Black, T=Topcoat, S=Silver matte, G=Gold matte

Multi-hopper with embosser

Learn more at **entrust.com**

ENTRUST
Global Headquarters
1187 Park Place, Minneapolis, MN 55379
U.S. Toll-Free Phone: 888 690 2424
International Phone: +1 952 933 1223
info@entrust.com **entrust.com/contact**

BANK EQUIPMENT ITEM K PAGE 1 OF 1

PRODUCT ID: 5887
Outdoor Blank-out LED Direct-view Sign

MODEL
TCL718GR-100/120-277VAC

DIMENSIONS
7" H x 18" W x 2.5" D (est. 4.335 lbs)

CLASS
CLASS: TCL Series
Control Method: Switch (not included) or external relay.

CONSTRUCTION
Back Construction: 0.050" Lift-n-Shift Back
Cabinet: 1-piece, corrosion resistant, extruded aluminum frame, 2.5" deep.
Face Material: 1/8" impact resistant, smoke-tinted polycarbonate (5109)
Faces: Single Faced Sign
Finish: Duranodic Bronze
Mounting Channel: None

ELECTRICAL
Flashing: Not Included
Input Voltage: 120-277 VAC
Photodimming: None
UL416, Listed: Listed for wet locations

MESSAGE
Illumination: Super bright direct view LEDs. Message blanks out when off.
Sign Messages: See message table below

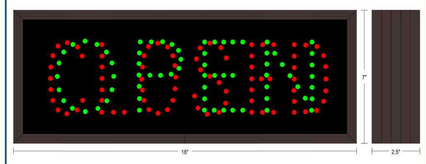
MESSAGE	LED/COLOR	HEIGHT	AMPS
OPEN	Green Wide Angle LED	3.5"	0.052-0.024
CLOSED	Red Wide Angle LED	3.5"	0.041-0.018

NOTE: Above messages are independently controlled.

Signal-Tech
4985 Pittsburgh Ave.
Erie, PA 16509
Phone: (877) 547-9600
Fax: (814) 835-2300
Email: sales@signal-tech.com
Website: www.signal-tech.com

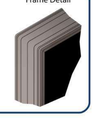
Product View

NOTE: Sign image may not exactly represent the finished product. For illustration purposes only.



Sample Display Options

Frame Detail



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BANK EQUIPMENT SCHEDULE

(X)

RE: BANK EQUIPMENT ON A12 SHEETS.

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H	CASH PEDESTAL	TENANT	TENANT	
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STATE OF ALABAMA
MICHAEL A. ELLIS
3692
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Do Not Scale From Drawings.

Contractor must verify all dimensions prior to construction.

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

BANK EQUIPMENT

A12.5

6/27/2023 3:56:12 PM

BANK EQUIPMENT ITEM L PAGE 1 OF 2

HYOSUNG

Compact and Full Function

MS500S

Strengthen Relationships by Removing Tasks That Keep Branch Staff Behind the Desk.

Hyosung technology takes all of the guesswork out of accounting and provides automated and accurate reporting that details cash on hand at any given moment. Hyosung's complete solution set includes: Recycling ATMs and TCRs, Cash Manage-ment Software, and a Transit Cassette Interface.

Improve customer service, maximize your teller's time, and minimize cash in transit. For all these reasons and more, Hyosung's MS500 is the best investment to complete your branch transformation project

Features

Secure Cash

Our external transit cassette dramatically reduces cash exposure and is interchangeable with other Hyosung products. Tellers can load and remove cash from the recycler without opening the safe, securely transfer cash in the branch, the cassettes are easy to repair, operate and replace.

Self-Audit

The **MS500S** can self-audit without exposing cash, contains single denomination audit, the self-audit takes only minutes and can be run at the best time for the teller and the branch.

High Capacity

Total recycling capacity of over 8,000 notes.* Cassette technology, cassettes are configurable to meet your unique needs.

Speed

Market leading note speed at 12 notes per second for both deposits and withdrawals, as well as transit cassette transactions.

Cash Count

With a built in currency counter, quick cash counts can be performed.

Continous Feed

The continuous feed capability allows bulk deposit processing with no note li'mit. The speed and continuous feed combined make a big difference in branches where there are large commercial deposits.

Security and Compatability

Secure Windows 10® operating system, industry-leading performance of recycling technology begins with our modular design. Compact footprint and service area.

For more information visit hyosungamericas.com

BANK EQUIPMENT ITEM L PAGE 2 OF 2

HYOSUNG

Compact and Full Function

MS500S

Specifications

Dimensions

- Height: 695.0mm (27.4") under desk
- Width: 428.0mm (16.85")
- Depth: 1,176.3mm (46.3")
- Weight: 420.1kg (926 lbs.)

Environmental Conditions

- Temperature: 32°F – 104°F (0°C ~ 40°C)
- Humidity 25% – 85%

System Platform

- Microsoft Windows® 10

Customer Interface

- 7" wide LCD with touch screen
- Display unit status, note counting and guidance messages
- Error and jamming point display

Media Handling

- **Continuous feed input module**
- **Individual dispense and reject slots**
  - 200 Note dispense slot
  - 30 Note reject slot
- **Cash handling speed**
  - Deposit – 12 notes per second
  - Dispense – 12 notes per second
  - Note counting only – 20 notes per second
- **8 recycling cassettes plus 1 overflow cassette**
  - 8 Small-size recycling cassettes (1,000 nominal capacity)*
  - 1 Large-size overflow cassette (2,850 nominal capacity)*
- **Self-audit capability**

Security

- Safe – UL291 Level-1

Servicing

- Front Access

Power Supply

- AC 100V~240V±10% 50/60Hz

Additional Features

- Communication – TCP/IP
- In-use button
- Counting feature
  - With note validation
  - Without note validation
- Note serial number recognition
- Fitness sorting
- Multi–channel communications
- Securely moves cash within the branch or among different locations
  - External transit cassette (2,850 nominal capacity)*
  - Interchangeable with other Hyosung teller cash recyclers and branch transformation units

*Subject to note quality and other variables

Note: Internal components may change with the introduction of new technology. Hyosung reserves the right to change the specifications of this TCR to accommodate the changes in technology.

For more information visit hyosungamericas.com

BANK EQUIPMENT SCHEDULE (X)

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A12.6

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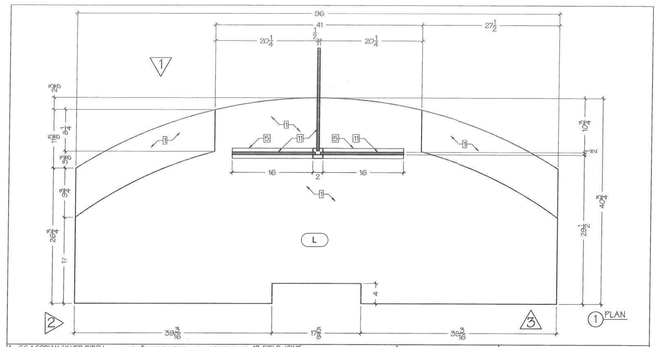
BANK EQUIPMENT ITEM M PAGE 1 OF 8



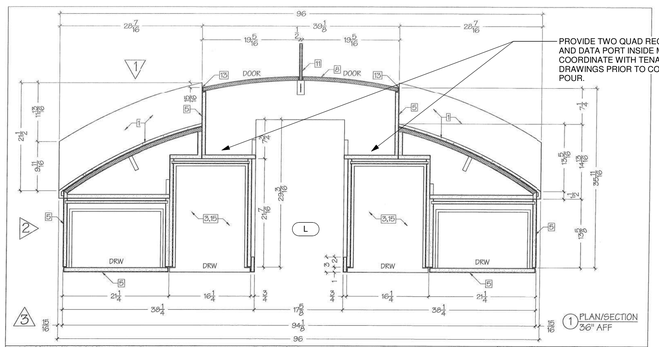
1. SS-1 CORIAN SILVER BIRCH
2. 3/4" KERF-KORE w/FL-1 WIL- #11061K-07 "HONEY MAPLE"
3. 3/4" F.B. w/FL-1 WIL- #11061K-07 "HONEY MAPLE"
4. 3/4" PLY w/WIL. #6257 (419) "SATIN-BRUSHED NATURAL ALUMINUM"-
5. 3/4" F.B. w/WIL- #6257 (419) "SATIN-BRUSHED NATURAL ALUMINUM"-
8. 3/4" KERF-KORE w/WIL- #6257 (419) "SATIN BRUSHED NATURAL"-- ALUMINUM"--
9. 3/4" PLY w/FL-2 WIL.T #1595-60-- "BLACK"-
10. 3/4" KERF-KORE w/FL-2 WIL- #1595-60 "BLACK"
11. 3/4" FROSTED ACRYLIC PANEL
12. -
15. FIELD JOINT
14. REMOVABLE PANEL
15. PULL OUT SHELF
16. 3/4" REVEAL
17. LOCKS
18. PULLS - "TBD"
19. SALICE 200 FULL OVERLAY SELF CLOSING CONCEALED HINGES, 110 DEGREE.
20. 3/4" BLACK THERMO-FUSED MELAMINE BOTH SIDES w/LAM. EDGING WHERE REQ'D
21. GRASS METAL 60/36 100-LB UNIGRASS 85mm x 510mm w/PENDAFLEX RAILING SYSTEM @ FILE DRAWS
22. CLEAR, 2 PIN SHELF CLIPS
23. FULL EXTENSION SLIDES

Corry Cabinets Company Inc.
811 Main Street
Havana, FL 32333
Phone 850-539-6465

JOB NAME

0-0-00 22-00 PAGE # 1

BANK EQUIPMENT ITEM M PAGE 2 OF 8



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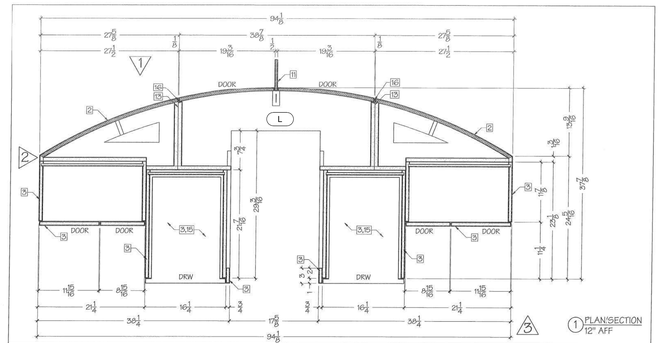
JOB NAME

0-0-00 22-00 PAGE # 2

BANK EQUIPMENT ITEM M PAGE 3 OF 8



1. SS-1 CORIAN SILVER BIRCH
2. 3/4" KERF-KORE w/FL-1 WIL- #11061K-07 "HONEY MAPLE"
3. 3/4" F.B. w/FL-1 WIL- #11061K-07 "HONEY MAPLE"
4. 3/4" PLY w/WIL. #6257 (419) "SATIN-BRUSHED NATURAL ALUMINUM"-
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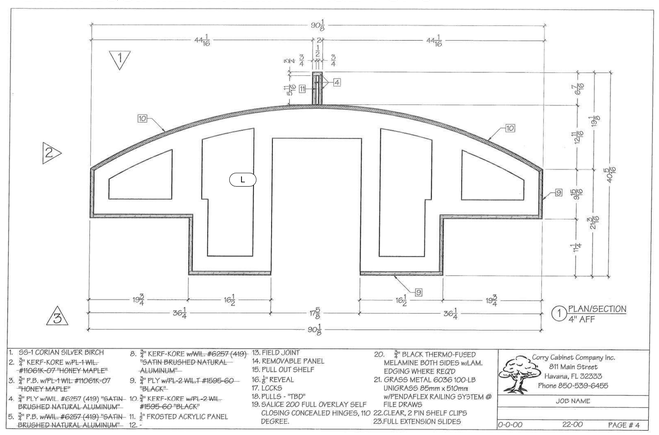
8. 3/4" KERF-KORE w/WIL- #6257 (419) "SATIN BRUSHED NATURAL"-- ALUMINUM"--
9. 3/4" PLY w/FL-2 WIL.T #1595-60-- "BLACK"-
10. 3/4" KERF-KORE w/FL-2 WIL- #1595-60 "BLACK"
11. 3/4" FROSTED ACRYLIC PANEL
12. -
15. FIELD JOINT
14. REMOVABLE PANEL
15. PULL OUT SHELF
16. 3/4" REVEAL
17. LOCKS
18. PULLS - "TBD"
19. SALICE 200 FULL OVERLAY SELF CLOSING CONCEALED HINGES, 110 DEGREE.
20. 3/4" BLACK THERMO-FUSED MELAMINE BOTH SIDES w/LAM. EDGING WHERE REQ'D
21. GRASS METAL 60/36 100-LB UNIGRASS 85mm x 510mm w/PENDAFLEX RAILING SYSTEM @ FILE DRAWS
22. CLEAR, 2 PIN SHELF CLIPS
23. FULL EXTENSION SLIDES

Corry Cabinets Company Inc.
811 Main Street
Havana, FL 32333
Phone 850-539-6465

JOB NAME

0-0-00 22-00 PAGE # 3

BANK EQUIPMENT ITEM M PAGE 4 OF 8



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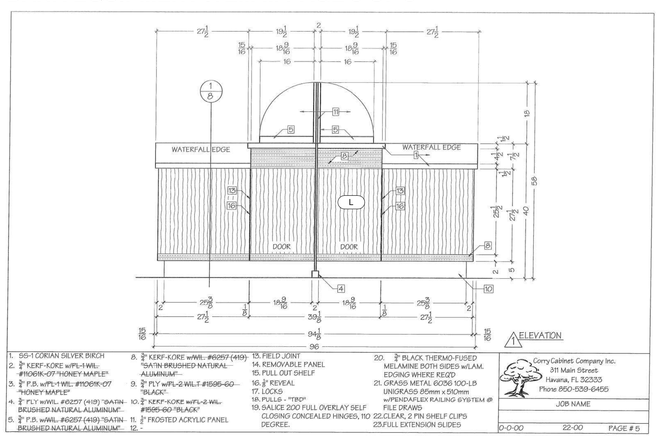
JOB NAME

0-0-00 22-00 PAGE # 4

BANK EQUIPMENT ITEM M PAGE 5 OF 8



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Corry Cabinets Company Inc.
811 Main Street
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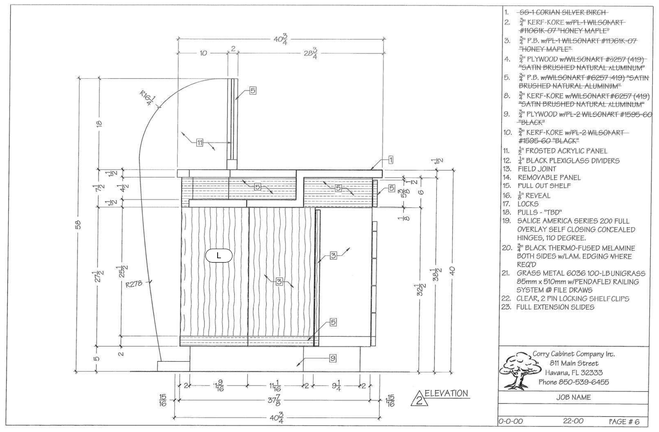
JOB NAME

0-0-00 22-00 PAGE # 5

BANK EQUIPMENT ITEM M PAGE 6 OF 8



1. SS-1 CORIAN SILVER BIRCH
2. 3/4" KERF-KORE w/FL-1 WILSONART- #11061K-07 "HONEY MAPLE"
3. 3/4" F.B. w/FL-1 WILSONART #11061K-07 "HONEY MAPLE"
4. 3/4" PLYWOOD w/WILSONART #6257 (419) "SATIN BRUSHED NATURAL ALUMINUM"
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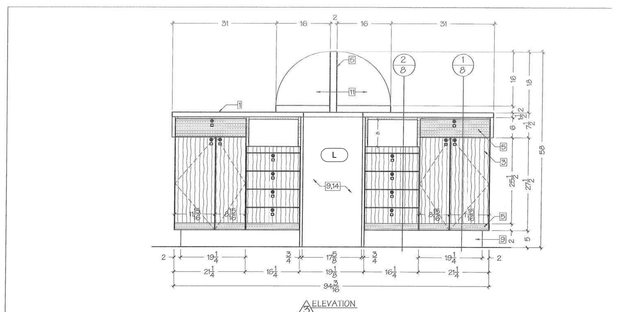
9. 3/4" PLYWOOD w/FL-2 WILSONART #1595-60 "BLACK"
10. 3/4" KERF-KORE w/FL-2 WILSONART- #1595-60 "BLACK"
11. 3/4" FROSTED ACRYLIC PANEL
12. 3/4" BLACK PLEXIGLASS DIVIDERS
13. FIELD JOINT
14. REMOVABLE PANEL
15. PULL OUT SHELF
16. 3/4" REVEAL
17. LOCKS
18. PULLS - "TBD"
19. SALICE AMERICA SERIES 200 FULL OVERLAY SELF CLOSING CONCEALED HINGES, 110 DEGREE.
20. 3/4" BLACK THERMO-FUSED MELAMINE BOTH SIDES w/LAM. EDGING WHERE REQ'D
21. GRASS METAL 60/36 100-LB UNIGRASS 85mm x 510mm w/PENDAFLEX RAILING SYSTEM @ FILE DRAWS
22. CLEAR, 2 PIN SHELF CLIPS
23. FULL EXTENSION SLIDES

Corry Cabinets Company Inc.
811 Main Street
Havana, FL 32333
Phone 850-539-6465

JOB NAME

0-0-00 22-00 PAGE # 6

BANK EQUIPMENT ITEM M PAGE 7 OF 8



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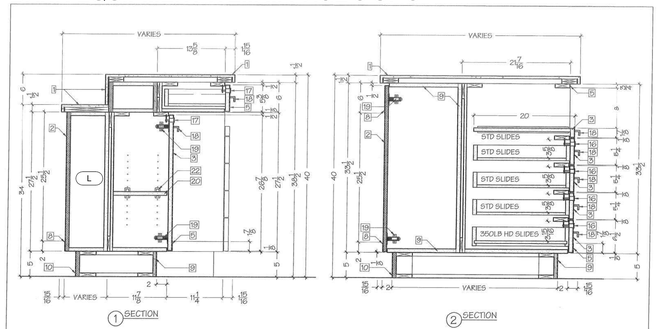
23. FULL EXTENSION SLIDES

Corry Cabinets Company Inc.
811 Main Street
Havana, FL 32333
Phone 850-539-6465

JOB NAME

0-0-00 22-00 P

BANK EQUIPMENT ITEM M PAGE 8 OF 8



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811 Main Street
Havana, FL 32333
Phone 850-539-6465

JOB NAME

0-0-00 22-00 PAGE # 8

PHOTO OF TELLER POD FABRICATED FROM THESE SHOP DRAWINGS

TELLER STATION MILLWORK GENERAL NOTES

1. ILLUSTRATIONS PROVIDED BY CORRY CABINET COMPANY OF HAVANA, FL. GC SHALL HAVE OPTION TO USE THIS MILLWORK SHOP OR ANY OTHER MILLWORK SHOP.
2. TELLER STATION IS CONSIDERED BANK EQUIPMENT. COORDINATE DIMENSIONS.
3. ALL LAMINATES TO BE VERIFIED WITH TENANT PRIOR TO FABRICATION.

BANK EQUIPMENT SCHEDULE

(X)

RE: BANK EQUIPMENT ON A12 SHEETS.

EQUIPMENT DESIGNATION	EQUIPMENT NAME	PROVIDED BY	INSTALLED BY	NOTES
A	DRIVE-UP ISLAND ATM	TENANT	TENANT	
B	PNEUMATIC TUBE SYSTEM	TENANT	TENANT	
C	TELLER TERMINAL	TENANT	TENANT	
D	DEAL DRAWER	TENANT	GC	
E	NOT USED	-	-	
F	NIGHT DROP	TENANT	GC	
G	SAFE AKA PORTA VAULT	TENANT	TENANT	
H	CASH PEDESTAL	TENANT	TENANT	
I	TELLER WINDOW	TENANT	GC	
J	DEBIT CARD PRINTER	TENANT	TENANT	
K	DRIVE-THRU LANE SIGNS	TENANT	GC	
L	TELLER CASH RECYCLER	TENANT	TENANT	
M	TELLER POD MILLWORK	GC	GC	

BANK EQUIPMENT NOTES

1. RE: BANK EQUIPMENT ON A12 SHEETS.
2. BANK EQUIPMENT SHOWN FOR REFERENCE ONLY. ACTUAL MANUFACTURER AND PRODUCTS SHALL BE TENANT-SUPPLIED AND CONTRACTOR INSTALLED. DIFFERENT MANUFACTURERS AND PRODUCTS MAY BE SELECTED INSTEAD OF THE EQUIPMENT SHOWN HERE. VERIFY ALL PRODUCTS AND SELECTIONS PRIOR TO CONSTRUCTION AND FABRICATION. COORDINATE AND ACCOMMODATE ANY CHANGES OR DIMENSIONS.

BLUE SKY LATITUDE
1490 Northbank Parkway, Suite 271
Tuscaloosa, AL 35406
Maellis.architect@gmail.com
205-792-6321

NEW CONSTRUCTION:

THE VILLAGE AT SAMFORD TRACE BUILDING 4 - SMARTBANK

1940 SAMFORD AVENUE
AUBURN, AL 36830

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

BANK EQUIPMENT/ TELLER STATION

A12.7

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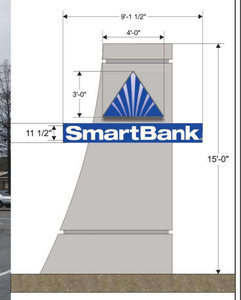


SmartBank
TALLAHASSEE

2375 Centerville Rd
Tallahassee, FL 32308 United States

Project No.:	**220160**
Sales Rep.:	Denise Hensley
Designer:	TMT
Date:	*10/24/22*

Revisions
1 *12/5/22*
2 *12/6/22*
3 *12/22/22*

Customer Approval: Date:

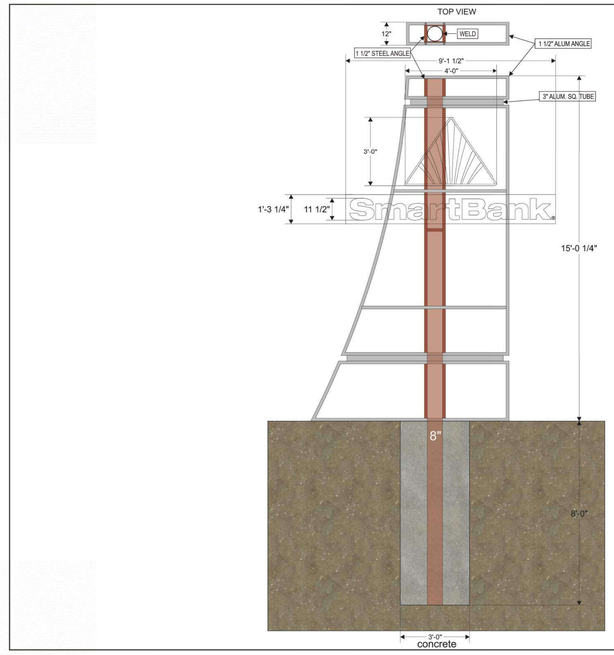
Landlord Approval: Date:

Printed Landlord's Name:

Landlord's Phone Number:

Snyder Signs INC.
2918 CREEKMORE DRIVE, JOHNSON CITY, TN 37601
423-282-6221 snydersigns.com

Scale: 1/4"=1' | Page: 1 of 3



SmartBank
TALLAHASSEE

2375 Centerville Rd
Tallahassee, FL 32308 United States

Project No.:	**220160**
Sales Rep.:	Denise Hensley
Designer:	TMT
Date:	*1/9/23*

Revisions
1 *1/10/23*

Customer Approval: Date:

Landlord Approval: Date:

Printed Landlord's Name:

Landlord's Phone Number:

Snyder Signs INC.
2918 CREEKMORE DRIVE, JOHNSON CITY, TN 37601
423-282-6221 snydersigns.com

Scale: NTS | Page: 3 of 3

SmarBank Pylon Entrance Sign
Location: 2375 Centerville Rd Tallahassee, FL 32308 United States

PYLON ON CAPITOL CR.
116 LED's
6,500K
(1) LPV-100-12 Power Supply
Triangle Logo
80 LED's
6,500K
(1) HGL-150-12 Power Supply
1.1 amps
16 gauge wire
12 gauge for power
Max Sign Amp Draw 3.9 amps
(1) toggle switch w/boot, 20 amp
Panel Box _____ Breaker # _____
Electrician name: Walsh Consulting & Electrical Services Inc.
Address: 5301 Capital Circle SW, Tallahassee, 32305\
Phone# 850-562-9327

SmartBank Logo/Icon (Face-Lit)
0.80 White Alum. Backs
5" 0.40 Black Alum. Returns
3/16" White Acrylic Face Lens w First Surface Printed Vinyl logo

SmartBank Cabinet (Face-Lit)
0.80 White Alum. Backs
5" 0.40 Black Alum. Returns
3/16" White Acrylic Face Lens w First Surface Printed Vinyl logo

This sign has been designed and shall be constructed in accordance with the following applicable building codes:
Tallahassee Land Development Code Chapter 7
National Electrical Code (NEC) 2014 NEC
Florida Building Code, Building (FBC-8) 6th Edition (2017)

SmartBank
TALLAHASSEE

2375 Centerville Rd
Tallahassee, FL 32308 United States

Project No.:	**220160**
Sales Rep.:	Denise Hensley
Designer:	TMT
Date:	*1/5/23*

Revisions
1 *1/9/23*

Customer Approval: Date:

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Printed Landlord's Name:

Landlord's Phone Number:

Snyder Signs INC.
2918 CREEKMORE DRIVE, JOHNSON CITY, TN 37601
423-282-6221 snydersigns.com

Scale: 1/4"=1' | Page: 2 of 3

PYLON SIGN NOTES

1. GC SHALL COORDINATE FOOTING REQUIREMENTS WITH THE SIGNAGE COMPANY. GC SHALL CONSTRUCT THE FOOTING IN COORDINATION WITH SITE UTILITIES, LANDSCAPING, AND OTHER UNDERGROUND ITEMS. COORDINATE WITH SIGNAGE COMPANY'S ENGINEER.

BLUE SKY LATITUDE
1490 Northbank Parkway, Suite 271
Tuscaloosa, AL 35406
Maellis.architect@gmail.com
205-792-6321

NEW CONSTRUCTION:
THE VILLAGE AT SAMFORD TRACE BUILDING 4 - SMARTBANK
1940 SAMFORD AVENUE
AUBURN, AL 36830

STATE OF ALABAMA
MICHAEL A. ELLIS
3692
REGISTERED ARCHITECT

Do Not Scale From Drawings.

Contractor must verify all dimensions prior to construction.

JOB No. 23001

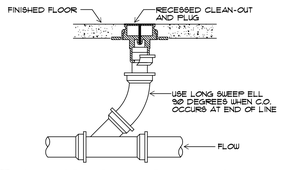
REVISION SCHEDULE

No.	Description	Date

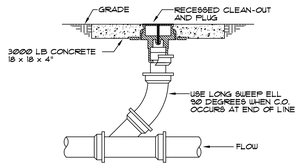
PYLON SIGN

A13.0

6/27/2023 3:56:22 PM

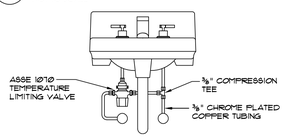


10 P1.1 INTERIOR CLEANOUT DETAIL
NOT TO SCALE

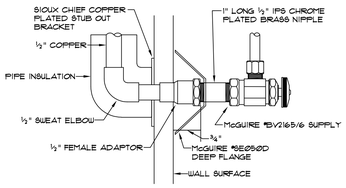


THE FINISHED CLEANOUT SHOULD BE SECURE, SHOULD NOT ROCK WHEN STOOD ON, SHOULD NOT BE CAPABLE OF BEING DAMAGED BY LAWN EQUIPMENT, AND SHOULD NOT BE CAPABLE OF DAMAGING LAWN EQUIPMENT.

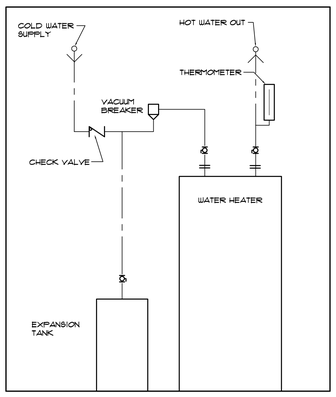
9 P1.1 EXTERIOR CLEANOUT DETAIL
NOT TO SCALE



8 P1.1 LAVATORY MIXING DETAIL
NOT TO SCALE



7 P1.1 STUD WALL SUPPLY DETAIL
NOT TO SCALE



6 P1.1 WATER HEATER DETAIL
NOT TO SCALE

Fixture type	Approved Fixture Models
ADA Tank Water Closet	Toto #CST-744SL; Kohler #K-3979; AS #211AA.104; Gerber #AV-21-818
Water Closet Supplies	McGuire #LFBV2166; Zurn #Z8802CRQ-PC; BrassCraft #KTR17XC
Open Front Closet Seat	Bemis #1655SSCT; Church #9500SSCT; ProFlo #PFTSCOFH2000WH; Jones Stephens Corp. #C108SSC00
Supply (lav, sink, cooler)	McGuire #LFBV2165; BrassCraft #KTR17XC1; Zurn #Z8802CRQ-PC
Lavatory Trap	McGuire #8872C; Zurn #Z8700-8-PC-B; ProFlo #PFPTB400; DB #707BN-1
Grid Strainer (lavatory)	McGuire #155A; Zurn #Z8743-PC; T&S #B-0899; ProFlo #PFGD100; DB #760-1
Lavatory Faucet	T&S #B-2990-WH4; Symmons #S-244-LWG; Chicago #404-317ABCP; Delta #23C354
Kitchen Sink Faucet	Kohler #K-15171; T&S #B-2731; Symmons #S-23; Chicago #2300-8ABCP; AS #4175.700; Delta #100LF-HDF
Basket Strainer (kitchen sink)	McGuire #151; Zurn #Z8740-PC; ProFlo #PF151ACP; DB #L7BN
Kitchen Sink Trap	McGuire #8912C; Zurn #Z8702-9LC-PC-B; ProFlo #PFPTB403;
Mop Sink	Fiat #MSB-2424; Swanstone #MS-2424; Zurn #Z-1996-24; Florestone #MSR-2424; ProFlo #PFMB2424S
Mop/Utility Sink Faucet	Kohler #K-830T40-4A; T&S #B-0665-BSTR; AS #8344.012; Chicago #897-CP; Delta #28T9
Floor Sink	JRS; Josam; Zurn; Sioux Chief
Hose Bibb	Prier #C-434T; Woodford #27P; Zurn #Z1346-CP3;
Expansion Tank	*Amtrol #ST; ProFlo #PFXT; Rheem #RRT
Recirculation Pump	Armstrong Astro 220SSU; Grundfos #UPS 15-35 SFC; Taco #003-SC4-1
Mixing Valve*	Symmons; Lawler; Watts; Leonard
Water Heater*	Rheem; A O Smith; Lochinvar; Raypak; RBI
	* Type, size, & electical requirments as per schedule.
	Abbreviations:
	AS-American Standard; JRS-Jay R. Smith; T&S-T&S Brass;
	HT-Halsey Taylor; B&G-Bell & Gossett; EBC-Engineered Brass Company; DB-Dearborn Brass

5 P1.1 PLUMBING EQUALS
NO SCALE

TAG	DESCRIPTION	PRODUCTS
P-1	TANK ADA WATER CLOSET LEFT	1.6 GALLON PER FLUSH, VITREOUS CHINA, GRAVITY TANK TYPE, 17-19" SEAT HEIGHT, SUPPLY, OPEN FRONT SEAT LESS COVER, STANDARD LEFT HAND TRIP LEVER
P-2	TANK ADA WATER CLOSET RIGHT	1.6 GALLON PER FLUSH, VITREOUS CHINA, GRAVITY TANK TYPE, 17-19" SEAT HEIGHT, SUPPLY, OPEN FRONT SEAT LESS COVER, RIGHT HAND TRIP LEVER
P-3	UNDERMOUNT ADA LAVATORY	KOHLER #K-2210-N-0, FAUCET, SUPPLIES, GRID DRAIN, P-TRAP, ASSE 1070 TEMPERATURE LIMITING VALVE, TRAP AND SUPPLY INSULATION
P-4	SINGLE KITCHEN SINK	ELKAY #ECTRU17179T UNDERMOUNT SINGLE BOWL KITCHEN SINK, FAUCET LESS HANDSPRAY, SUPPLIES, BASKET STRAINER, P-TRAP
P-5	MOP SINK	MOP SINK, FAUCET, WALL GUARDS, HOSE WITH HOSE CLIP
P-6	SMALL FLOOR SINK	JAY R. SMITH #3100, 6x8", 2" OUTLET, DOME STRAINER, 3/4 RIM AND GRATE
P-7	ICE MAKER BOX	GUY GRAY #BIM875, WATER HAMMER ARRESTOR, 6' STAINLESS BRAIDED HOSE
P-8	10 GALLON ELECTRIC WATER HEATER	10 GALLON STORAGE CAPACITY, 120V, 2000 WATT, AMTROL #ST-5 EXPANSION TANK, WALL SHELF, HOLDRITE #QS-5 EXPANSION TANK BRACKET
P-9	HOSE BIB	FROST RESISTANT, 8" WALL DEPTH

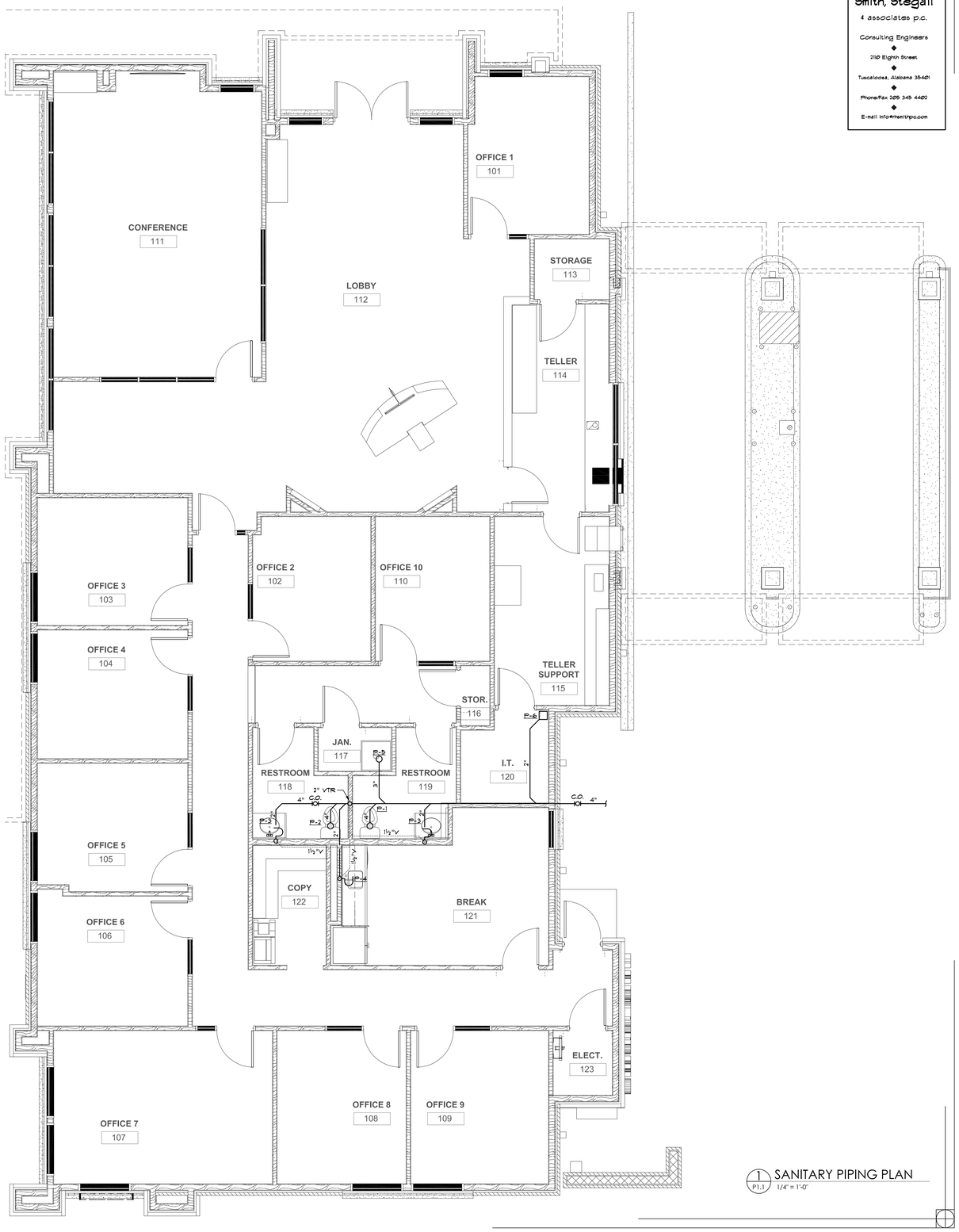
4 P1.1 PLUMBING FIXTURE SCHEDULE
NO SCALE

- ALL CONNECTIONS TO OWNER SUPPLIED FIXTURES SUCH AS REFRIGERATORS, ICE MACHINES, ETC. TO BE MADE WITH SOFT COPPER.
- WATER HEATER OUTLET TEMPERATURE TO BE 140°F. ASSE 1070 MIXING VALVE OUTLET TEMPERATURE TO BE 110°F.
- ALL WATER PIPING TO BE TYPE L COPPER WITH NO LEAD SOLDERED OR PRO PRESS FITTINGS.
- BELOW SLAB WASTE PIPING TO BE CONTINUOSLY SUPPORTED ON UNDISTURBED OR MECHANICALLY COMPACTED SOIL.
- ALL DRAINAGE, WASTE, AND VENT PIPING TO BE SCHEDULE 40 SOLID CORE PVC.
- SANITARY VENTS THROUGH ROOF TO BE LOCATED A MINIMUM OF 10' FROM HVAC AIR INTAKES. COORDINATE LOCATIONS WITH HVAC CONTRACTOR.
- HOT WATER PIPING ABOVE SLAB TO BE INSULATED WITH 1" FIBERGLASS WITH ALL SERVICE JACKET.
- PLASTIC DROP IN ANCHORS ARE NOT ACCEPTABLE FOR SUPPORTING ANYTHING, ANYWHERE. NOT FOR SUPPORTING PIPES, FIXTURES, OR ANYTHING ELSE.
- HOT AND COLD WATER PIPING TO BE LABELED WHERE CONCEALED ABOVE SUSPENDED CEILINGS AND IN MECHANICAL ROOMS. LABELS TO HAVE TEXT HEIGHT NOT LESS THAN 1/2" AND SHALL INDICATE FLOW FLUID TYPE AND DIRECTION OF FLOW. LABELS MAY BE SNAP AROUND OR SELF ADHESIVE. SELF ADHESIVE LABELS TO INCLUDE BANDING TAPE ON EACH END OF LABEL WRAPPED FULL CIRCUMFERENCE OF PIPE AND OVERLAPPING LABEL BY 1/2" ON BOTH ENDS. FLOW DIRECTION MAY BE INDICATED ON LABEL OR BANDING TAPE. LABELING TO OCCUR IN EVERY ROOM BUT NO LESS THAN 20' ON CENTER.

3 P1.1 PLUMBING GENERAL NOTES
NO SCALE

SANITARY PIPING
SANITARY VENT PIPING
COLD WATER PIPING
HOT WATER PIPING

2 P1.1 PLUMBING LEGEND
NO SCALE



1 P1.1 SANITARY PIPING PLAN
1/4" = 1'-0"

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NEW CONSTRUCTION:
THE VILLAGE AT SAMFORD TRACE
BUILDING 4
1940 SAMFORD AVE
AUBURN, AL 36830

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

PLUMBING DETAILS, DIAGRAMS, SCHEDULES, & SANITARY PIPING PLAN

P1.1

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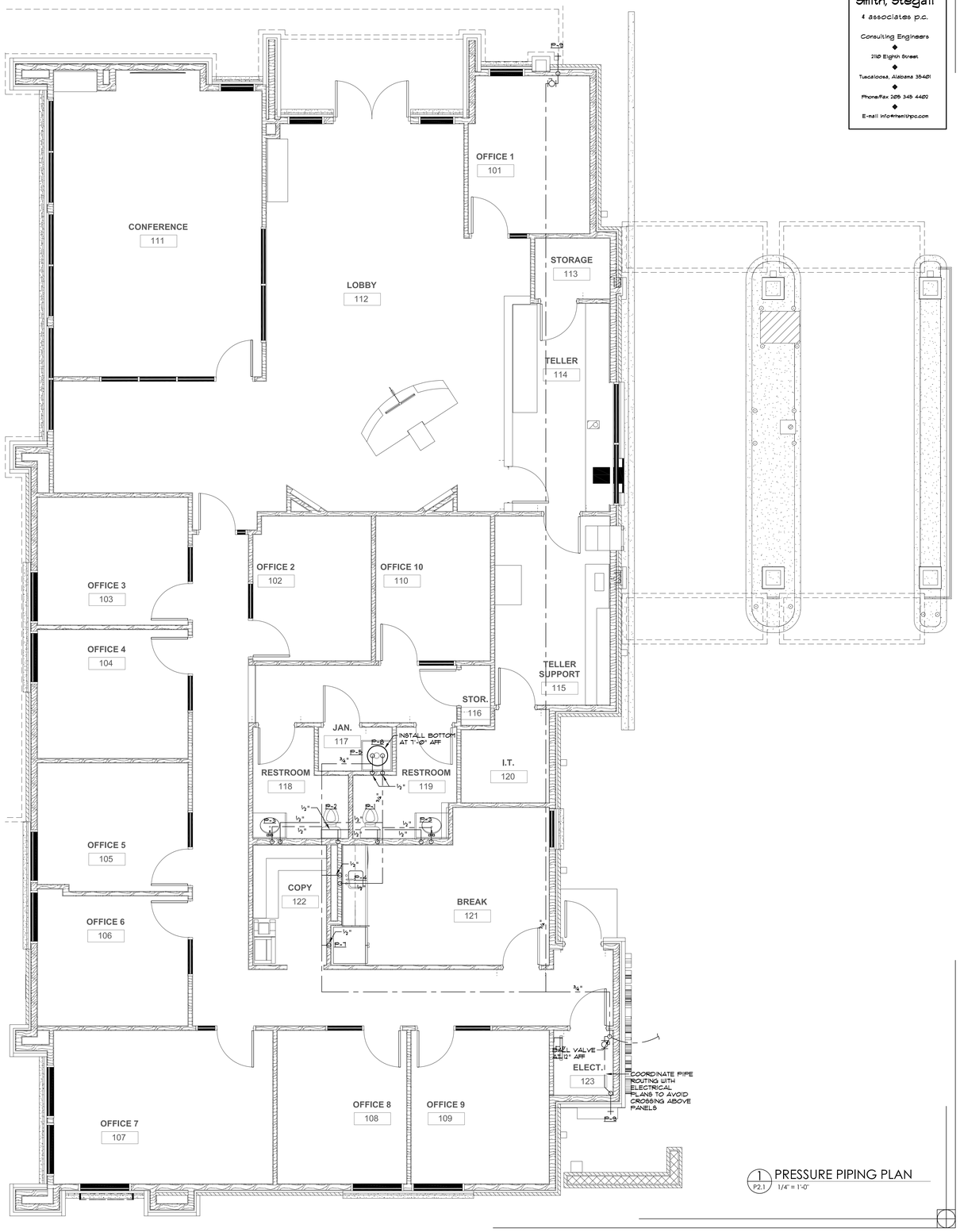

1 P2.1 PRESSURE PIPING PLAN
1/4" = 1'-0"

STATE OF ALABAMA LICENSED PROFESSIONAL ENGINEER FRANK STEGALL NO. 22536

06/23/23 5342

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PRESSURE PIPING PLAN

P2.1

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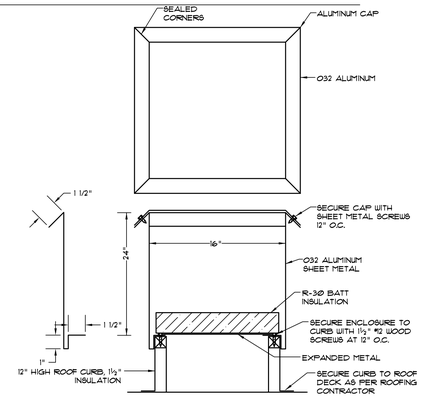
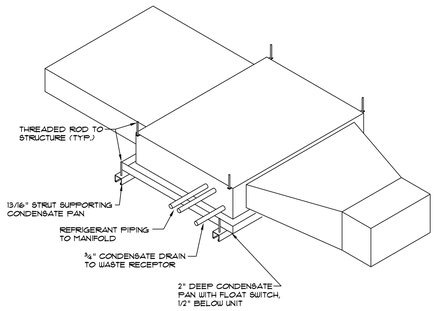
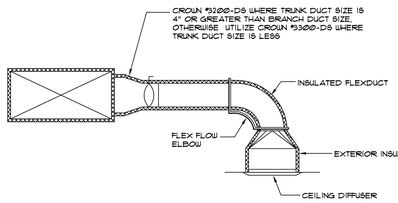


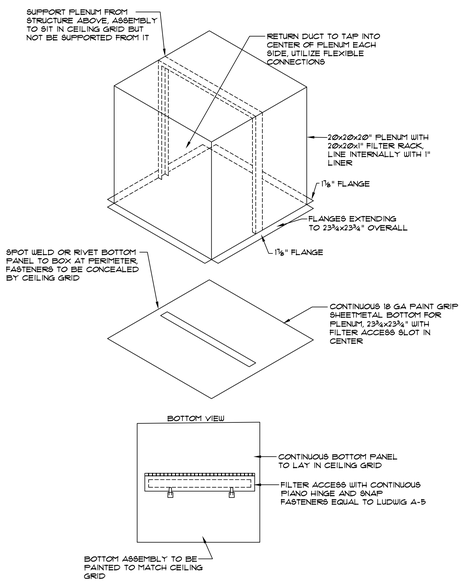
10 ROOF PORTAL DETAIL
M1.1 NOT TO SCALE



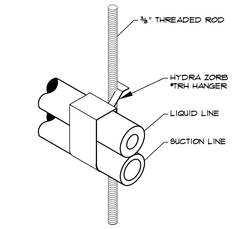
7 FAN COIL DETAIL
M1.1 NOT TO SCALE



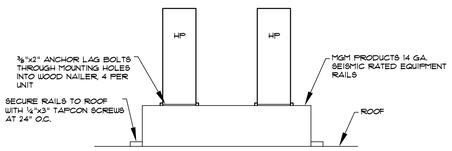
6 BRANCH DUCT DETAIL
M1.1 NOT TO SCALE



5 INLINE CEILING FILTER DETAIL
M1.1 NOT TO SCALE



9 REFRIGERANT PIPE HANGING DETAIL
M1.1 NOT TO SCALE



8 HEAT PUMP MOUNTING DETAIL
M1.1 NOT TO SCALE

RTU #1, ROOF TOP UNIT, TRANE #4WCC4042E1, 2 TON NOMINAL CAPACITY HEAT PUMP, 13.4 SEER2, 7.0 HSPF2, 3.7 KW ELECTRIC HEAT, 208V//1/60, SINGLE POINT POWER CONNECTION, 700 CFM AT Ø.4" ESP, ½ HP FAN MOTOR, HINGED FILTER ACCESS, 18" ROOF CURB, MOTORIZED OUTDOOR AIR DAMPER

RTU #2, ROOF TOP UNIT, TRANE #4WCC4042E1, 3.5 TON NOMINAL CAPACITY HEAT PUMP, 13.4 SEER2, 7.0 HSPF2, 6.0 KW ELECTRIC HEAT, 208V//1/60, SINGLE POINT POWER CONNECTION, 1400 CFM AT Ø.4" ESP, ¾ HP FAN MOTOR, HINGED FILTER ACCESS, 18" ROOF CURB, MOTORIZED OUTDOOR AIR DAMPER

RTU #3, ROOF TOP UNIT, TRANE #4WCC4030E1, 2.5 TON NOMINAL CAPACITY HEAT PUMP, 13.4 SEER2, 7.0 HSPF2, 3.7 KW ELECTRIC HEAT, 208V//1/60, SINGLE POINT POWER CONNECTION, 1000 CFM AT Ø.4" ESP, ½ HP FAN MOTOR, HINGED FILTER ACCESS, 18" ROOF CURB, MOTORIZED OUTDOOR AIR DAMPER

HP #1, HEAT PUMP, MITSUBISHI #SUZ-KA09NA, ¾ TON NOMINAL CAPACITY, 19.1 SEER, 3.9 COP, 208V//1/60, 9 MCA, 15 MOP

FCU #1, FAN COIL UNIT, MITSUBISHI #PEAD-A09AAB, HORIZONTAL FAN COIL, ¾ TON NOMINAL CAPACITY, 320 CFM AT Ø.4" ESP, PROGRAMMABLE CONTROLLER, POWER FROM OUTDOOR UNIT

HP #2, HEAT PUMP, MITSUBISHI #PUZ-A12NKA1, 1 TON NOMINAL CAPACITY, 21 SEER, 3.9 COP, 208V//1/60, 11.0 MCA, 20 MOP

FCU #2, FAN COIL UNIT, MITSUBISHI #PKA-A12LA, WALL MOUNT, 1 TON NOMINAL CAPACITY, WIRED CONTROLLER, POWER FROM OUTDOOR UNIT

EF, EXHAUST FAN, GREENHECK #SP-B10, 710 CFM AT Ø.125" SP, 120V, WHITE GRILLE

BPI, BI-POLAR IONIZATION, GLOBAL PLASMA SOLUTIONS #DM-2, RATED FOR 2400 CFM, NEGLIGIBLE OZONE PRODUCTION, 24-240V, DUCT MOUNTING, SELF CLEANING

BV, BRICK VENT, RUSKIN #BV1000, 16"x4⅞", KYNAR FINISH, COLOR AS PER ARCHITECT

CDL, CEILING DIFFUSER, TITUS #TDC, SIZE AS PER PLAN, WHITE FINISH, LAY-IN BORDER, ROUND NECK

CDS, CEILING DIFFUSER, TITUS #TDC, SIZE AS PER PLAN, WHITE FINISH, SURFACE MOUNT BORDER #6

CRG, CEILING RETURN GRILLE, TITUS #350R, SIZE AS PER PLAN, WHITE FINISH, LAY-IN BORDER

CRGS, CEILING RETURN GRILLE, TITUS #350R, SIZE AS PER PLAN, WHITE FINISH, SURFACE MOUNT BORDER

FRG, FILTER RETURN GRILLE, TITUS #350RLFI, 20x20" FILTER SIZE, LAY-IN BORDER, WHITE FINISH

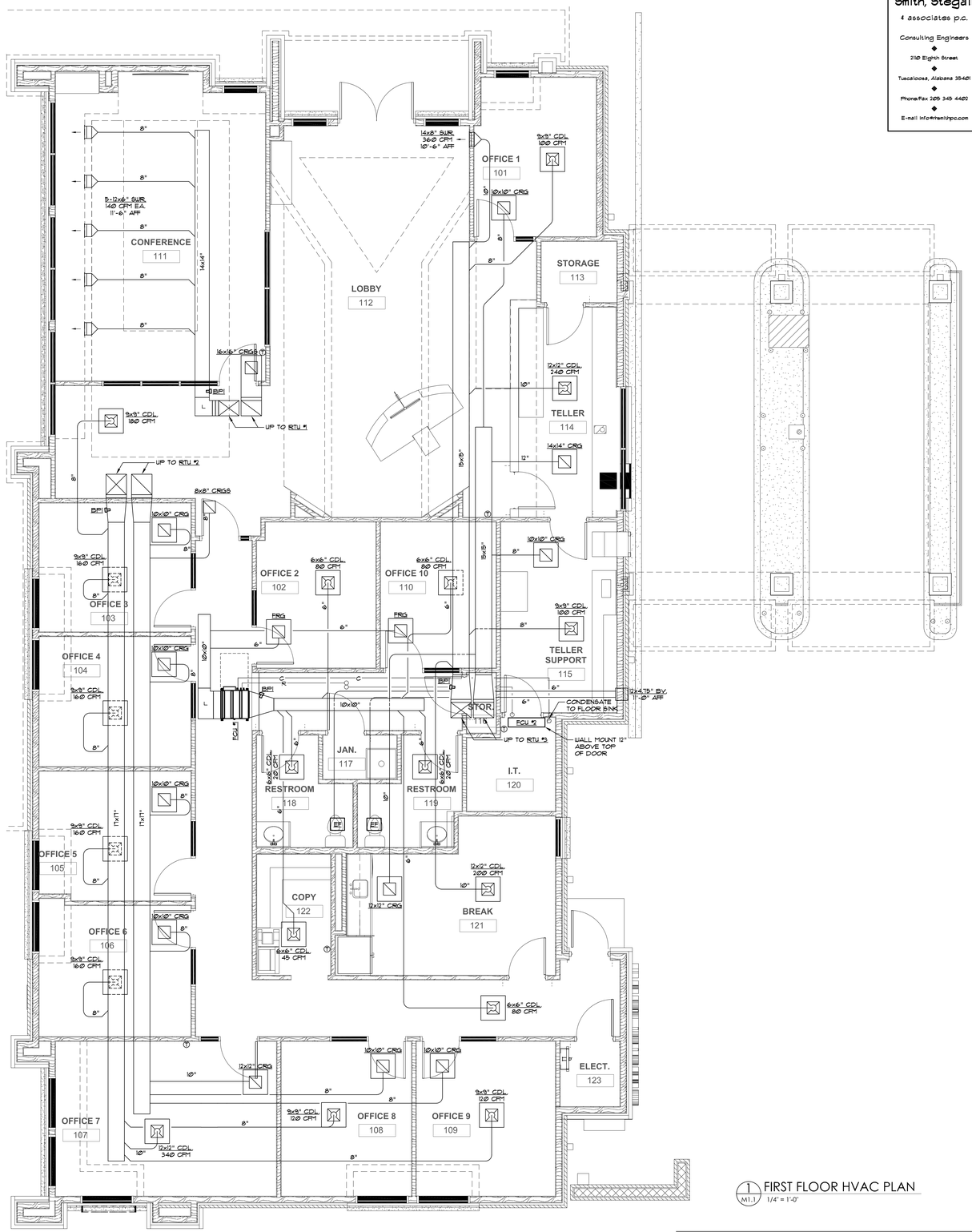
4 HVAC EQUIPMENT SCHEDULE
M1.1 NO SCALE

- ROUND BRANCH DUCTS 6'-Ø" AND LESS IN LENGTH TO BE INSTALLED WITH FLEXIBLE ROUND DUCT AS PER SPECIFICATIONS. BRANCH DUCTS GREATER THAN 6'-Ø" IN LENGTH ARE TO BE INSTALLED WITH ROUND RIGID DUCT TO WITHIN 5'-0" OF TERMINATION WITH FLEXIBLE DUCT CONNECTION NOT EXCEEDING 5'-Ø" IN LENGTH.
- VERIFY CEILING CONSTRUCTION PRIOR TO ORDERING DIFFUSERS.
- INSTALL FIRE DAMPERS AT ALL DUCT PENETRATIONS OF FIRE RATED PARTITIONS. CONSULT ARCHITECTURAL PLANS FOR RATINGS.
- CONVENTIONAL EQUIPMENT AS MANUFACTURED BY TRANE, CARRIER, OR BRYANT ACCEPTABLE SUBJECT TO PLANS AND SPECIFICATIONS.
- MINI-SPLIT EQUIPMENT AS MANUFACTURED BY DAIKIN, CARRIER-TOSHIBA, TRANE-MITSUBISHI, OR FUJITSU ACCEPTABLE SUBJECT TO PLANS AND SPECIFICATIONS.
- BI POLAR IONIZATION EQUIPMENT AS MANUFACTURED BY GLOBAL PLASMA SOLUTIONS, PHENOMENAL AIRE, AND BIOCLIMATE ACCEPTABLE SUBJECT TO PLANS AND SPECIFICATIONS.
- REFRIGERANT PIPE SIZES TO BE AS RECOMMENDED BY MANUFACTURER.
- ALL CONTROL CABLING ON EXTERIOR OF BUILDING TO BE INSTALLED IN CONDUIT.
- EQUIPMENT INSTALLED ABOVE ACCESS/IBLE CEILING TO BE WITHIN 24" OF THE TOP OF THE CEILING GRID.

3 HVAC GENERAL NOTES
M1.1 NO SCALE

- ELBOW WITH DOUBLE WALL TURNING VANES AS PER SPECIFICATIONS
- AxB" RECTANGULAR DUCT, FIRST DIMENSION AS VIEWED, EXTERNAL DIMENSIONS INDICATED
- RECTANGULAR DUCT TURNED DOWN
- RECTANGULAR DUCT TURNED UP
- CONTROL DAMPERS
- ROUND DUCT
- ROUND DUCT TURNED DOWN
- ROUND DUCT TURNED UP
- C CONDENSATE PIPING
- R REFRIGERANT PIPING
- T THERMOSTAT

2 HVAC LEGEND
M1.1 NO SCALE



1 FIRST FLOOR HVAC PLAN
M1.1 1/4" = 1'-0"

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HVAC DETAILS, DIAGRAMS, SCHEDULES, & FIRST FLOOR PLAN

M1.1

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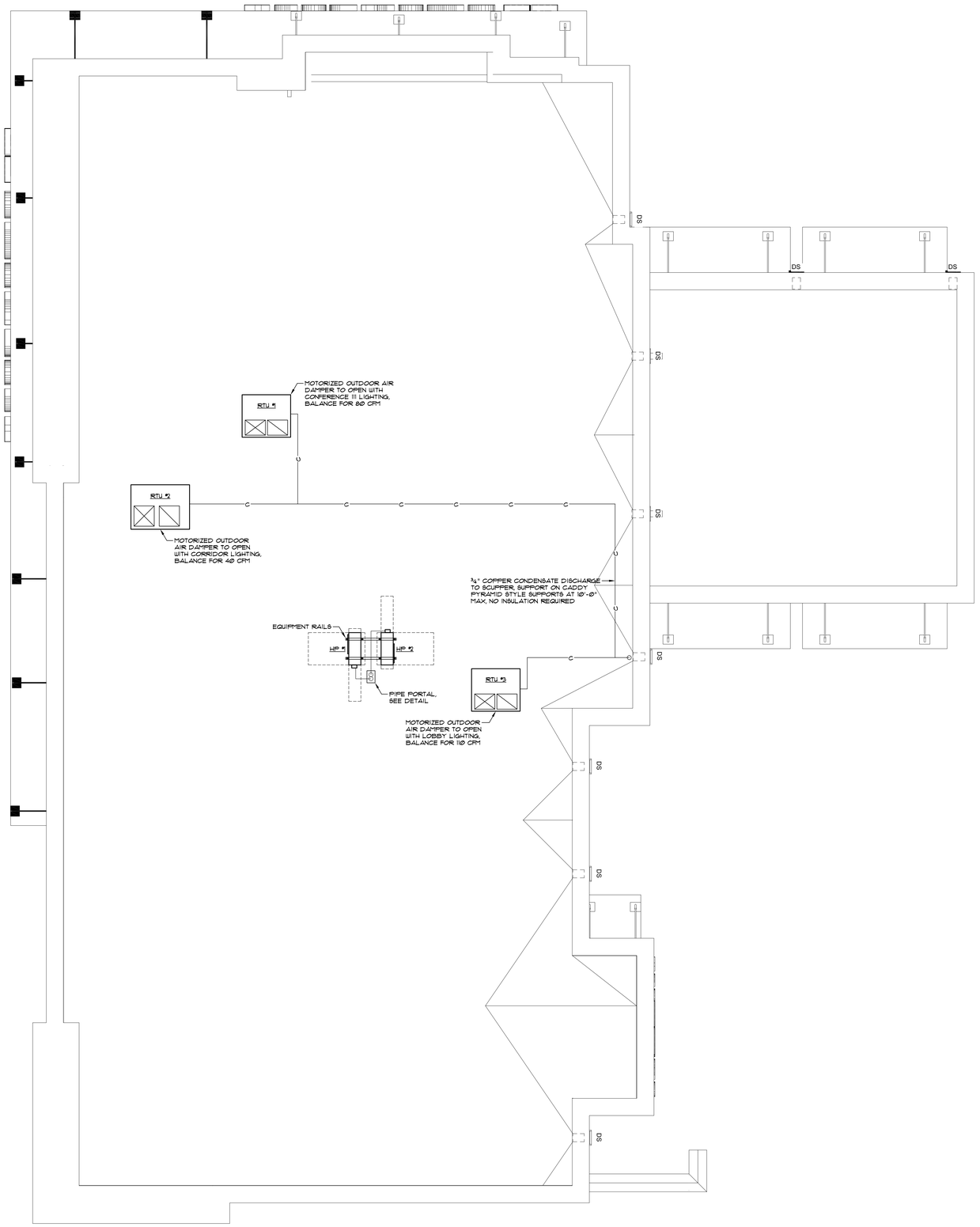

1 M1.2 ROOF HVAC PLAN
1/4" = 1'-0"

STATE OF ALABAMA LICENSED NO. 22330 PROFESSIONAL ENGINEER FRANK STEGALL

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ROOF HVAC PLAN

M1.2

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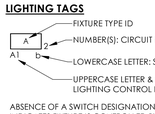

ELECTRICAL ABBREVIATIONS

1P	1 POLE (2P, 3P, 4P, ETC.)
A, AMP	AMPERE
AC	ABOVE COUNTER
ACLG	ABOVE CEILING
ADO	AUTOMATIC DOOR OPENER
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFI	ARC FAULT CIRCUIT INTERRUPTER
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMP	AMPERE
AMPL	AMPLIFIER
ANNUN	ANNUNCIATOR
APPROX	APPROXIMATELY
AQ-STAT	AQUASTAT
ARCH	ARCHITECT, ARCHITECTURAL
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BD	BOARD
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAB	CABINET
CAT	CATALOG
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
COMB	COMBINATION
CMPR	COMPRESSOR
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUATION OR CONTINUOUS
CONTR	CONTRACTOR
CONV	CONVECTOR
CP	CIRCULATING PUMP
CRT	CATHODE-RAY TUBE
CT	CURRENT TRANSFORMER
CTR	CENTER
CU	COPPER
DCP	DOMESTIC WATER CIRCULATING PUMP
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DPR	DAMPER
DS	SAFETY DISCONNECT SWITCH
DT	DOUBLE THROW
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
ELU	EMERGENCY LIGHTING UNIT
EM	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EP	ELECTRIC PNEUMATIC
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXH	EXHAUST
EXP	EXPLOSION PROOF
FA	FIRE ALARM
FABP	FIRE ALARM BOOSTER POWER SUPPLY PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FU	FUSE
FUDS	FUSED SAFETY DISCONNECT SWITCH
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTOR
GND	GROUND
GRS	GALVANIZED RIGID STEEL (CONDUIT)
GYP BD	GYPSUM BOARD
HOA	HANDS-OFF-AUTOMATIC SWITCH
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
IC	INTERRUPTING CAPACITY
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INCAND	INCANDESCENT
IR	INFRARED
I/W	INTERLOCK WITH
J-BOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KVAR	KILOVOLT-AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LA	LANDSCAPE ARCHITECT
LOC	LOCATE OR LOCATION
LT	LIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LV	LOW VOLTAGE
MAX	MAXIMUM
MAG.S	MAGNETIC STARTER
M/C	MOMENTARY CONTACT
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDC	MAIN DISTRIBUTION CENTER
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MFS	MAIN FUSED DISCONNECT SWITCH
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MMS	MANUAL MOTOR STARTER
MOA	MULTIOUTLET ASSEMBLY
MSP	MOTOR STARTER PANELBOARD
MSBD	MAIN SWITCHBOARD
MSS	MOTOR STARTER SWITCH
MT	MOUNT
MT.C	EMPTY CONDUIT
MTS	MANUAL TRANSFER SWITCH
MTR	MOTOR, MOTORIZED
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFDS	NON-FUSED SAFETY DISCONNECT SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NPF	NORMAL POWER FACTOR
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
OL	OVERLOADS
PA	PUBLIC ADDRESS
PB	PULL BOX OR PUSHBUTTON
PE	PNEUMATIC ELECTRIC
PED	PEDESTAL
PF	POWER FACTOR
PH	PHASE
PIV	POST INDICATING VALVE
PNL	PANEL
PP	POWER POLE
PR	PAIR
PRI	PRIMARY
PROJ	PROJECTION
PRV	POWER ROOF VENTILATOR
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE (CONDUIT)
PWR	POWER
QUAN	QUANTITY
RCPT	RECEPTACLE
REQD	REQUIRED
RM	ROOM
RSC	RIGID STEEL CONDUIT
RTU	ROOF TOP UNIT
SC	SURFACE CONDUIT
SEC	SECONDARY
SHT	SHEET
SIM	SIMILAR
SLD	SINGLE-LINE DIAGRAM
S/N	SOLID NEUTRAL
SPEC	SPECIFICATION
SPKR	SPEAKER
SP	SPARE
SPP	SINGLE-POINT POWER
SR	SURFACE RACEWAY
SS	STAINLESS STEEL
SSW	SELECTOR SWITCH
S/S	STOP/START PUSHBUTTONS
STA	STATION
STD	STANDARD
SURF	SURFACE MOUNTED
SW	SWITCH
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
SYS	SYSTEM
TEL	TELEPHONE
TERM	TERMINAL
TL	TWIST LOCK
TR	TAMPER RESISTANT
T-STAT	THERMOSTAT
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION
TVTC	TELEVISION TERMINAL CABINET
TYP	TYPICAL
UC	UNDER COUNTER
UE	UNDERGROUND ELECTRICAL
UG	UNDERGROUND
UH	UNIT HEATER
UT	UNDERGROUND TELEPHONE
UTIL	UTILITY
UV	ULTRAVIOLET
V	VOLT
VA	VOLT-AMPERES
VDT	VIDEO DISPLAY TERMINAL
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
W	WATT
W/	WITH
WG	WIRE GUARD
WH	WATER HEATER
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFR	TRANSFER
∠	ANGLE
@	AT
▲	DELTA
'	FEET
"	INCHES
#	NUMBER
Ø	PHASE
C	CENTER LINE
P	PLATE

ELECTRICAL SYMBOL LEGEND

LIGHTING SYMBOLS

LIGHTING FIXTURES, TYPICAL, RECTANGULAR SURFACE MOUNTED OR RECESSED.

LIGHTING FIXTURE, SURFACE MOUNTED OR RECESSED FOR LIFE SAFETY.

LIGHTING FIXTURE, SURFACE MOUNTED OR RECESSED FOR 24/7 OPERATION.

RECESSED LINEAR TYPE FIXTURE.

SUSPENDED LINEAR FIXTURE. FILLED CIRCLES INDICATE

LIGHTING FIXTURES, TYPICAL, ROUND (VARIOUS SYMBOLS)

○ RECESSED CEILING FIXTURE.

CHEVRON INDICATES WALL WASH.

CENTER DOT INDICATES PENDANT.

WALL-MOUNTED FIXTURES, TYPICAL (VARIOUS SYMBOLS)

STRIP FIXTURE

◁ DIRECTIONAL LIGHT, TRACK LIGHT, FLOOD LIGHT

LINEAR LIGHT, RECESSED

EXIT LIGHT, CEILING-MOUNTED. SHADING AND ARROWS INDICATE FACES AND DIRECTIONAL CHEVRONS.

EXIT LIGHT, WALL-MOUNTED. SHADING AND ARROWS INDICATE FACES AND DIRECTIONAL CHEVRONS.

POLE/AREA LIGHTS

⊗ POST-TOP AREA LIGHT

BOLLARD LIGHT

$ SWITCH, SINGLE POLE, 20A, TOGGLE, FLUSH MOUNTED 48" A.F.F. TO THE TOP OF THE BOX.

SWITCH MODIFIERS:

3:	3-WAY	A:	OCCUPANCY SENSOR
4:	4-WAY	VS:	VACANCY SENSOR
K:	KEYED	AC:	ABOVE-COUNTER
D:	DIMMING	LV:	LOW-VOLTAGE
T:	TIMER	M:	MOTOR-RATED

B — LOW VOLTAGE CONTROL SWITCH, FLUSH MOUNTED 48" A.F.F. TO THE TOP OF THE BOX. LETTER REPRESENTS INDIVIDUAL SWITCH. SEE LOW VOLTAGE SWITCH SCHEDULE FOR BUTTON/RELAY CONFIGURATION.

LTP — LIGHTING TOUCH PANEL.

LCP — LIGHTING CONTROL PANEL, PROVIDE 120V, DEDICATED 20A CIRCUIT.

VS — LOW VOLTAGE, CEILING MOUNTED VACANCY SENSOR. ALL SENSORS SHALL BE DAISY CHAINED TOGETHER AND HOMERUN TO ROOM CONTROLLER OR CONTROL PANEL. MOUNT SENSOR BASED ON MANUFACTURER'S RECOMMENDED LOCATION.

OS — LOW VOLTAGE, CEILING MOUNTED VACANCY SENSOR. ALL SENSORS SHALL BE DAISY CHAINED TOGETHER AND HOMERUN TO ROOM CONTROLLER OR CONTROL PANEL. MOUNT SENSOR BASED ON MANUFACTURER'S RECOMMENDED LOCATION.

LC — LIGHTING ROOM CONTROLLER.

LE — LIGHTING ROOM CONTROLLER WITH UL924 RELAY.

LIGHTING TAGS

A
A1 2 b

FIXTURE TYPE ID

NUMBER(S): CIRCUIT NUMBER

LOWERCASE LETTER: SWITCH ID

UPPERCASE LETTER & NUMBER: LIGHTING CONTROL PANEL ID & RELAY

ABSENCE OF A SWITCH DESIGNATION ON A LIGHTING FIXTURE INDICATES FIXTURE IS CONTROLLED BY THE ONLY SWITCH IN THE SPACE. AN "X" IN PLACE OF THE SWITCH DESIGNATION INDICATES UNSWITCHED.

$ a, OS a, a — SWITCH ID INDICATED BY A LOWERCASE LETTER. SWITCH IDS ARE UNIQUE PER SPACE. A SWITCH WITH AN ID "a" CONTROLS ALL DEVICES WITHIN THE SPACE IN WHICH IT IS LOCATED TAGGED WITH "a". A SWITCH WITHOUT A TAGGED ID CONTROLS ALL LIGHTING FIXTURES WITHIN A SPACE. ID TAGS MAY BE USED ON CONTROL DEVICES OTHER THAN SWITCHES, SUCH AS OCCUPANCY SENSORS OR CONTACTORS.

GROUND SYSTEM SYMBOLS

MGB — MASTER GROUND BAR, 20"x4"x1/4" THICK, PRE-DRILLED, WITH INSULATING STAND-OFF MOUNT. BOND TO THE SERVICE ENTRANCE GROUND WITH #3/0 INSULATED GROUND.

GRB — DATA ROOM GROUND BAR, 20"x4"x1/4" THICK, PRE-DRILLED, WITH INSULATING STAND-OFF MOUNT. PROVIDE #3/0 INSULATED GROUND FROM BUILDING ELECTRIC SERVICE TO GROUND ELECTRODE SYSTEM DATA ROOM GROUND BAR.

CONSTRUCTION PHASING

(TYPICAL ALL SYMBOLS AND EQUIPMENT)

EXISTING TO REMAIN

EXISTING TO BE DEMOLISHED

NEW

EXISTING TO BE DEMOLISHED

MISCELLANEOUS

\# KEYED NOTE

5 / Eo.4 — CALLOUT:
TOP VALUE: DETAIL NUMBER ON SHEET
BOTTOM VALUE: SHEET NUMBER OF DETAIL

POWER SYMBOLS

WALL CEILING FLOOR

SIMPLEX RECEPTACLE

DUPLEX RECEPTACLE

QUADRUPLEX RECEPTACLE

SPECIAL RECEPTACLE, TYPE AS INDICATED

RECEPTACLE MODIFIERS:
STANDARD MOUNTING HEIGHT FOR RECEPTACLES IS 18" A.F.F. TO THE TOP OF BOX UNLESS NOTED OTHERWISE.

##"	HEIGHT AFF OC
GF	GROUND-FAULT CIRCUIT INTERRUPTING TYPE.
WP	WEATHERPROOF BOX AND COVER WITH GROUND FAULT INTERRUPTING CAPABILITIES. 2'-0" A.F.G.
CP	DUPLEX RECEPTACLE FOR COPIER ON DEDICATED CIRCUIT.
HD	HAND DRYER - BY OTHERS. VERIFY EXACT MOUNTING HEIGHT AND MAKE CONNECTION TO EQUIPMENT AS REQUIRED, RECESSED IN WALL.
M	MICROWAVE RECEPTACLE, COORDINATE LOCATION ABOVE COUNTER OR IN CASEWORK WITH ARCHITECTURAL ELEVATIONS. RECEPTACLE TO BE GROUND-FAULT CIRCUIT INTERRUPTING TYPE IF LOCATED IN KITCHEN OR WITHIN 6'-0" OF ANY SINK.
REF	REFRIGERATOR RECEPTACLE WITH GROUND FAULT INTERRUPTING CAPABILITIES, TO BE MOUNTED BEHIND REFRIGERATOR.
TR	TAMPER-RESISTANT LISTED TYPE.
TV#	DUPLEX RECEPTACLE(S) FOR TVS MOUNTED IN RECESSED WALL BOX, NEMA 5-20R, # CORRESPONDS TO TYPE, SEE DETAILS FOR ADDITIONAL REQUIREMENTS.
USB	USB TYPE DUPLEX RECEPTACLE WITH TWO (2) 3A, 5Vdc OUTPUTS. TV# DUPLEX RECEPTACLE(S) FOR TVS MOUNTED IN RECESSED WALL BOX, NEMA 5-20R, # CORRESPONDS TO TYPE, SEE DETAILS FOR ADDITIONAL REQUIREMENTS.
VM	VENDING MACHINE RECEPTACLE ON A GROUND-FAULT TYPE CIRCUIT BREAKER, TO BE MOUNTED BEHIND VENDING MACHINE.
AV	AUDIO VISUAL PRESENTATION RECEPTACLE. MOUNT IN CONJUCTION WITH HDMI INPUT. SEE AUXILIARY PLANS FOR HDMI INPUT LOCATION.
PTZ	EXTERIOR WALL MOUNT PTZ CAMERA RECEPTACLE. MOUNT AT APPROXIMATEY 26' ABOVE FINISH GRADE OR 6" BELOW CAST STONE. VERIFY EXACT HEIGHT AND LOCATION WITH OWNER PRIOR TO INSTALLATION.
EF	CEILING MOUNTED EXHAUST FAN. SEE MECHANICAL PLANS FOR MOTOR SIZE AND CHARACTERISTICS.
P	PROJECTOR RECEPTACLE. COORDINATE EXACT LOCATION.
PC	ELECTRICAL CONNECTION LOCATED ABOVE CEILING FOR HARDWIRED PLUMBING CONTROLS, 120 VOLT. VERIFY CONDUIT AND ELECTRICAL REQUIREMENTS WITH PLUMBING CONTRACTOR.

CENTER SHADING INDICATES ABOVE COUNTER

$ SWITCH, SINGLE POLE, 20A, TOGGLE, FLUSH MOUNTED
SWITCH MODIFIERS:
K: KEYED
T: TIMER
M: MOTOR-RATED

MULTIOUTLET ASSEMBLY:
FILLED SQUARES INDICATE 120V OUTLET
OPEN SQUARES INDICATE WITH USB

DROP CORD, DEVICE VARIES

J — JUNCTION BOX

J — JUNCTION BOX, WALL MOUNTED

FB# — FLOOR BOX, SEE AUXILIARY SYSTEM SYMBOLS FOR ADDITIONAL REQUIREMENTS.

EMERGENCY POWER OFF

DO — DOOR OPENER PUSH PLATE

M — POWER METER

\# — DISCONNECT SWITCH, FUSED & UNFUSED. SEE 'DISCONNECT SWITCH SCHEDULE' ON SHEET WITH POWER RISER DIAGRAM FOR SPECIFIC REQUIREMENTS

MOTOR STARTER

COMBINATION STARTER/DISCONNECT

CONTACTOR

GAP — GENERATOR ANNUNCIATOR PANEL

TC — TIME CLOCK CONNECTION TO CIRCULATING PUMP

PU — POWER PEDESTAL WITH USB CHARGING OUTLETS AND ONE DUPLEX GF RECEPTACLE. EQUAL TO LEGRAND# BM-CSA-1G1U-LBLK.

PR — POWER PEDESTAL WITH TWO GFCI RECEPTACLE OUTLETS. EQUAL TO PEDCO POWER# 5P24-C-HT-1-B, WITH PED0140.

FB — 3'x5'x3' IN-GRADE QUAZITE FIBER PULL BOX WITH TIER 15 RATING.

PB — 3'x5'x3' IN-GRADE QUAZITE PRIMARY PULL BOX WITH TIER 15 RATING.

MCP — MECHANICAL CONTROL PANEL, PROVIDE 120V, DEDICATED 20A CIRCUIT.

POWER DEVICE AND EQUIPMENT TAGS

5 — ELECTRICAL DEVICE TAGS: NUMBER INDICATES CIRCUIT NUMBER.

AHU-1 — EQUIPMENT TAGS: EQUIPMENT ID IS INDICATED BY AN UNDERLINED TAG ADJACENT TO THE EQUIPMENT. SYMBOLS/GRAPHIC APPEARANCE OF EQUIPMENT VARIES.

WIRING

SOLID, ARCED LINES CONNECTING EQUIPMENT, DEVICES, OR FIXTURES INDICATE UNSWITCHED POWER CIRCUITING. WIRES ARE ONLY INTENDED TO INDICATE TO WHAT CIRCUIT DEVICES ARE CONNECTED. ACTUAL CONNECTIONS, CIRCUIT ROUTING, INSTALLTION, JUNCTION BOXES, ETC. SHALL BE FIELD-DETERMINED BY THE CONTRACTOR.

HOME RUN TO BRANCH CIRCUIT PANELBOARD. THE EQUIPMENT NAME AND CIRCUIT NUMBER(S) ARE INDICATED, SEPARATED BY A HYPHEN. HOMERUNS ARE ONLY INTENDED TO INDICATE PANEL AND CIRCUIT NUMBER. ACTUAL HOMERUN LOCATION SHALL BE FIELD-DETERMINED BY THE CONTRACTOR.

POWER DISTRIBUTION EQUIPMENT

SWBD MP
PANEL-MDP
PANEL-HP1A
PANEL-LP1A

HATCHED FILL:	DISTRIBUTION PANEL OR SWITCHBOARD.
SOLID FILL:	BRANCH PANEL OR LOAD CENTER.
DASHED BOX:	CODE-REQUIRED CLEARANCE (WIDTH AND DEPTH).
DOOR:	INDICATES FRONT OF RECESSED PANEL.

T — TRANSFORMER: TYPICALLY TRANSFORMER NAMES BEGIN WITH OR CONTAIN THE LETTER "T". SEE SINGLE-LINE DIAGRAM FOR DESCRIPTION AND REQUIREMENTS.

▨ 480V PANELBOARD.

■ 208V PANELBOARD.

🟥 LIFE SAFETY PANELBOARD.

AUXILIARY SYSTEMS SYMBOLS

TBB — AUXILIARY SYSTEMS BACKBOARD, WALL MOUNTED 3/4" PLYWOOD 4'x8' UNLESS NOTED OTHERWISE. PLYWOOD TO BE PAINTED WITH 2 COATS OF FIRE RETARDANT PAINT BOTH SIDES & ALL EDGES. BACKBOARD SHALL ALSO BE USED FOR ACCESS CONTROLS.

▽ TELEPHONE/DATA, SINGLE GANG OUTLET, FLUSH MOUNTED AT 18" A.F.F. TO THE TOP OF THE BOX WITH 3/4" CONDUIT STUBBED-UP INTO ACCESSIBLE CEILING SPACE IN CORRIDOR AND TERMINATE WITH PLASTIC BUSHING. PROVIDE TWO (2) CAT 6A CABLES TO DATA RACK. IF A # IS NOTED, IT REPRESENTS THE NUMBER OF DROPS REQUIRED.

AV — AV OUTLET FLUSH MOUNTED AT 18" A.F.F. TO THE TOP OF THE BOX WITH 1 1/4" CONDUIT STUBBED-UP INTO ACCESSIBLE CEILING SPACE AND TERMINATED WITH PLASTIC BUSHING. SEE DETAILS FOR ADDITIONAL REQUIREMENTS.

AV 84" — AV OUTLET FLUSH MOUNTED AT HEIGHT (##") NOTED ON DRAWINGS A.F.F. TO THE TOP OF THE BOX. 1 1/4" CONDUIT STUBBED-UP INTO ACCESSIBLE CEILING SPACE AND TERMINATED WITH PLASTIC BUSHING. SEE DETAILS FOR ADDITIONAL REQUIREMENTS.

▼ TELEPHONE/DATA, SINGLE GANG OUTLET, FLUSH MOUNTED AT 48" A.F.F. TO THE TOP OF THE BOX OR 4" ABOVE BACK SPLASH TO CENTERLINE UNLESS NOTED OTHERWISE. STUBB 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE IN CORRIDOR AND TERMINATE WITH PLASTIC BUSHING. PROVIDE TWO (2) CAT 6A CABLES TO DATA RACK. IF A # IS NOTED, IT REPRESENTS THE NUMBER OF DROPS REQUIRED.

84" ▼ TELEPHONE/DATA, SINGLE GANG OUTLET, FLUSH MOUNTED AT HEIGHT (##") NOTED ON DRAWINGS A.F.F. TO THE TOP OF THE BOX. STUBB 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE IN CORRIDOR AND TERMINATE WITH PLASTIC BUSHING. PROVIDE TWO (2) CAT 6A CABLES TO DATA RACK. IF A '#D' IS NOTED, IT REPRESENTS THE NUMBER OF DROPS REQUIRED.

WAP — WIRELESS ACCESS POINT. PROVIDE SINGLE GANG OUTLET MOUNTED ABOVE ACCESSIBLE CEILING. PROVIDE CAT 6A CABLE TO DATA RACK. PROVIDE 15' OF SLACK ROLLED UP ABOVE ACCESSIBLE CEILING.

FB# — FLOOR BOX, POURED IN PLACE, FLUSH MOUNTED WITH WIRING COMPARTMENTS AS SPECIFED ON AV SCHEDULE, WITH THREE(3) DUPLEX RECEPTACLES AND FOUR (4) DATA OUTLETS AND TWO(2) 1 1/4" CONDUITS ROUTED TO MAIN SERVER ROOM AND AV CONDUITS AS SHOWN ON AV RISER. # INDICATES TYPE.

FIRE ALARM SYMBOLS

F — MANUAL PULL STATION

F — SPEAKER/STROBE, WALL

F WP — SPEAKER/STROBE, WALL, EXTERIOR

F — SPEAKER/STROBE, CEILING

L — STROBE, WALL

F — STROBE, CEILING

REMOTE INDICATOR W/ TEST SWITCH, WALL

REMOTE INDICATE W/ TEST SWITCH, CEILING

SMOKE DETECTOR

HEAT DETECTOR

CO — CARBON MONOXIDE DETECTOR

T — BEAM DETECTOR T: TRANSMITTER R: RECEIVER

CO — COMBINATION DETECTOR (UP TO THREE)

DUCT SMOKE DETECTOR

SMOKE DAMPER

DOOR HOLDER

DCL — DOOR CLOSER

FIRE SERVICE PHONE

XXX — ADDRESSIBLE MODULE
AIM: ADDRESSIBLE INPUT MODULE
AOM:ADDRESSIBLE OUTPUT CONTROL MODULE
AIO: ADDRESSIBLE INPUT/OUTPUT MODULE
HIO: ADDRESSIBLE INPUT/OUTPUT HOOD MODULE
TIM: ADDRESSIBLE INPUT TEMPERATURE MODULE

XXXX — FIRE ALARM CONTROL UNIT

EVAC:	VOICE EVACUATION CONTROL PANEL
FAA:	FIRE ALARM ANNUNCIATOR
FACP:	FIRE ALARM CONTROL PANEL
FABP:	FIRE ALARM BOOSTER PANEL
NACP:	NOTIFICATION APPLIANCE CIRCUIT PANEL
FAMN:	FIRE ALARM MASS NOTIFICATION CONTROL PANEL

XX — SUPERVISORY OR INTERFACE DEVICE

PIV:	POST INDICATOR VALVE SUPERVISORY
PS:	PRESSURE SWITCH
R:	NON-ADDRESSIBLE RELAY
VS:	VALVE SUPERVISORY SWITCH
WF:	WATER FLOW SWITCH

SECURITY SYMBOLS

K — SECURITY. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE GANG BOX MOUNTED 48" A.F.F. TO THE TOP OF THE BOX. PROVIDE 3/4" CONDUIT STUBBED-UP ABOVE NEAREST ACCESSIBLE CEILING WITH A PLASTIC BUSHING. ENSURE NEAREST ACCESSIBLE CEILING WILL ALLOW FOR CONCEALED CABLE ROUTING TO DATA ROOM.

DC — DOOR CONTACT RECESSED IN DOOR AND FRAME, SUPPLIED BY OWNER. SEE ACCESS CONTROL DETAIL FOR CONDUIT REQUIREMENTS.

AC — POWER CONNECTION TO ACCESS CONTROL SYSTEM. ALL EQUIPMENT LOCATIONS AND CONDUIT ROUTING TO BE COORDINATED WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.

HC — HANDICAP DOOR PUSH BUTTON, PROVIDED BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE GANG BOX MOUNTED 48" A.F.F. TO THE TOP OF THE BOX. SEE ACCESS CONTROL DETAIL FOR CONDUIT REQUIREMENTS.

GENERAL ELECTRICAL NOTES:

1. NEW ELECTRICAL SERVICE TO THE BUILDING IS 277/480 VOLT, 3 PHASE, 4 WIRE, WYE FROM PADMOUNTED TRANSFORMER. NEW ELECTRICAL SERVICE TO THE VISITOR CONCESSION STAND AND BASEBALL FIELDS IS 120/208 VOLT, 3 PHASE, 4 WIRE, WYE FROM PADMOUNTED TRANSFORMERS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.
3. CONTRACTOR SHALL PROVIDE ALL MATERIAL NECESSARY TO FINALIZE A NEAT, COMPLETE, AND PROPERLY WORKING ELECTRICAL SYSTEM WHICH CONFORMS TO ALL CODES AND TO THE REQUIREMENTS OF ANY OTHER ORGANIZATION OR AGENCY HAVING JURISDICTION OVER THIS PROJECT.
4. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING IN SWITCHES.
5. VERIFY EXACT LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGHING IN.
6. VERIFY THE EXACT LOCATION OF COUNTERTOPS AND BACKSPLASHES ON ARCHITECTURAL DETAILS AND/OR CASEWORK SHOP DRAWINGS AND ADJUST SPECIFIED MOUNTING HEIGHT OF WALL OUTLETS AS REQUIRED TO AVOID CONFLICTS.
7. CHECK ALL LIGHTING FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN. SUPPORT OF ALL LIGHT FIXTURES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. FIXTURES SHALL BE SUPPORTED INDEPENDENT OF CEILING FROM STRUCTURAL MEMBERS OF THE BUILDING.
8. PROVIDE PLASTER FRAMES FOR ALL RECESSED FIXTURES AS REQUIRED.
9. CHECK THE CORRESPONDING MECHANICAL SHEETS AND INSTALL PROPER SERVICE AND CONNECTIONS TO ALL MECHANICAL SYSTEMS SHOWN THEREON, REGARDLESS OF ITS BEING OR NOT BEING SHOWN ON ELECTRICAL DRAWINGS.
10. ALL CONDUIT SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED/SHOWN EXPOSED.
11. WHERE CONDUIT IS EXPOSED, IT SHALL BE ROUTED NEXT TO THE WALL OR CEILING AND MAKE 90 DEGREE TURNS ONLY.
12. PROVIDED FUSES IN FUSIBLE DISCONNECTS PER EQUIPMENT MANUFACTURE'S REQUIREMENTS.
13. A GREEN EQUIPMENT GROUNDING CONDUCTOR (SIZED PER N.E.C.) SHALL BE INSTALLED IN EACH AND EVERY CONDUIT. INCLUDING BUT NOT LIMITED TO; BRANCH CIRCUITS, SWITCH LEGS, FEEDERS. ETC.
14. ALL WIRING DEVICES SHALL BE MOUNTED AS INDICATED IN THE SPECIFICATIONS UNLESS NOTED OTHERWISE ON DRAWINGS. ALL LIGHTING FIXTURES SHALL BE MOUNTED AS NOTED IN THE FIXTURE SCHEDULE UNLESS NOTED OTHERWISE.
15. CONTRACTOR SHALL COORDINATE THE PLACEMENT OF TELEPHONE AND CABLE T.V. OUTLETS WITH OWNER PRIOR TO INSTALLATION.
16. ALL WIRING ROUTED IN RETURN AIR PLENUM UNDER MECH UNIT MUST BE ROUTED IN METAL CONDUIT, OR MC CABLE.
17. ALL DISCONNECT SWITCHES MUST BE INSTALLED AS REQUIRED TO MAINTAIN PROPER WORKING CLEARANCES AS PER N.E.C.
18. WHERE ACTUAL LOADS OF INSTALLED EQUIPMENT VARY FROM THOSE LISTED ABOVE (OR WHERE LOADS ARE ADDED) THE CONTRACTOR SHALL VERIFY AND ADJUST ACCORDINGLY ALL SERVICE ENTRANCE PANELS, CONDUCTORS, EQUIP., ETC. IN COMPLIANCE WITH ARTICLES 210, 215, 220 & 230 OF THE N.E.C.
19. ALL FIRE ALARM DEVICES WHERE REQUIRED SHALL MEET 'ADA' GUIDE LINES AND SHALL BE SUITABLE FOR EXTERIOR USE. FIRE ALARM TO COMPLY WITH NFPA 72. SHOP DRAWINGS TO BE SUBMITTED TO FIRE DEPARTMENTS NEW CONSTRUCTION DIVISION FOR REVIEW AND APPROVAL.
20. ALL LOW VOLTAGE, AUXILIARY EQUIPMENT AND/OR STRUCTURED CABLING SYSTEMS WILL MEET ASSOCIATED N.E.C. ARTICLES INSTALLATION REQUIREMENTS.

GENERAL COORDINATION NOTES:

1. THE CONTRACT DOCUMENTS ARE GENERALLY DIAGRAMMATIC IN NATURE WITH RESPECT TO MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND SECURITY/VOICE DATA SYSTEMS. NOT EVERY BEND, OFFSET AND DIRECTION CHANGE IS SHOWN IN THE CONTRACT DOCUMENTS. THE CONTRACT DOCUMENTS REPRESENT THAT THESE SYSTEMS WILL FIT IN THE SPACES ALLOTTED; HOWEVER, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSIGN SPACE PRIORITIES AND LAY OUT AND ROUTE THE SYSTEMS SO THEY WILL FIT EFFICIENTLY IN THE ALLOTTED SPACES AND ALLOW FOR CONVENIENT AND CODE-CONFORMING ACCESS TO ALL VALVES, DAMPERS AND OTHER DEVICES.
2. THE LAYOUT OF UTILITY ROOMS IS ALSO DIAGRAMMATIC IN NATURE. THE CONTRACT DOCUMENTS REPRESENT THAT EQUIPMENT IDENTIFIED TO BE INSTALLED IN UTILITY ROOMS WILL FIT IN THE SPACES ALLOTTED. HOWEVER, BECAUSE THE CONTRACTOR MUST SUBMIT AND PROVIDE FOR EQUIPMENT TO BE INSTALLED IN UTILITY ROOMS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO LAY-OUT THE EQUIPMENT ROOM SUCH THAT ALL EQUIPMENT WILL FIT.
3. THE CONTRACTOR MUST EXAMINE ALL OF THE CONTRACT DRAWINGS, ESPECIALLY ARCHITECTURAL FOR CEILING SPACE DIMENSIONS, AND STRUCTURAL FOR BEAM/COLUMN OBSTRUCTIONS, AND MAKE ALLOWANCES IN THE CONTRACTOR'S PLANNED COORDINATION EFFORTS, WORK SEQUENCE, AND ROUTING OF THE SYSTEMS.
4. ROUTING SHOWN FOR PIPES, DUCTS, AND CONDUITS ON DRAWINGS ARE SHOWN BY GRAPHIC SYMBOLS ONLY; MAKE RUNS PARALLEL WITH LINES OF BUILDING.
5. UTILIZE SPACES EFFICIENTLY TO MAXIMIZE ACCESSIBILITY FOR OTHER INSTALLATIONS, FOR MAINTENANCE, AND FOR REPAIRS.
6. CONCEAL PIPES, DUCTS, AND WIRING IN FINISHED AREAS, UNLESS OTHERWISE INDICATED; COORDINATE LOCATIONS OF FIXTURES AND OUTLETS WITH FINISH ELEMENTS, SIZE DUCTWORK, MECHANICAL PIPE, PLUMBING, ELECTRICAL, AND SPRINKLER SYSTEM COMPONENTS AS SHOWN IN THE CONTRACT DOCUMENTS AND DRAWINGS. DOWNSIZING OF MECHANICAL/ELECTRICAL (M/E) SYSTEMS IS NOT PERMITTED.
7. RELOCATE LIGHTS IN MECHANICAL ROOMS AROUND DUCTWORK AS REQUIRED TO BEST LIGHT THE SPACE AND HVAC EQUIPMENT.

ELECTRICAL SYMBOL NOTES

THE LIGHTING FIXTURE TYPE IS INDICATED BY AN UPPER CASE LETTER. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER.

A2 / 12 b — EXAMPLE 1: LIGHTING FIXTURE TYPE "A" IS CONNECTED TO CIRCUIT 12 AND CONTROLLED BY SWITCH "b".

2 ab — EXAMPLE 2: THE FIXTURE TYPE SHOWN AS A NUMERATOR INDICATES ALL LIGHTING FIXTURES IN THE ROOM OR SPACE ARE THE SAME TYPE. THE CIRCUIT NUMBER AND SWITCH DESIGNATION SHOWN INDICATES ALL LIGHTING FIXTURES IN THE ROOM OR SPACE ARE CONNECTED TO THE SAME CIRCUIT, CONTROLLED BY THE SAME SWITCHES, CENTER/OUTBOARD MULTILEVEL SWITCHING.

X 14 — EXIT LIGHTS. STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S). THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. EXAMPLE: THE WALL MOUNTED EXIT LIGHT TYPE "X" WITH SINGLE FACE AND DIRECTIONAL ARROW IS CONNECTED TO CIRCUIT 14.

16 c — DEVICES. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. EXAMPLE: DUPLEX RECEPTACLE IS CONNECTED TO CIRCUIT 16.

d — THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SINGLE POLE SWITCH "d" TO CONTROL LIGHTING FIXTURES INDICATED BY "d".

(1) 1,3,5 — SPECIAL CONNECTIONS. THE EQUIPMENT IS INDICATED BY A NUMBER IN A CIRCLE. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE LOAD DESCRIPTION AND TYPE OF CONNECTION. THE CIRCUIT DESIGNATION IS INDICATED BY NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: EQUIPMENT NO. 1; 3 PHASE CONNECTION TO CIRCUITS 1, 3, 5.

SF-1 2,4,6 — MOTOR CONNECTIONS. THE MOTOR IS INDICATED BY A NUMBER WITHIN ORCHARACTERS ADJACENT TO THE MOTOR SYMBOL. SEE THE MOTOR AND EQUIPMENTSCHEDULE FOR THE MOTOR DESCRIPTION AND ELECTRICAL REQUIREMENTS. THECIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: MOTOR SF-1; 3 PHASE CONNECTION TO CIRCUITS 2, 4, 6.

H1 HA1-2P/30A — ELECTRIC HEATER CONNECTIONS. THE HEATER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "H". SEE THE HEATER SCHEDULE FOR ELECTRICAL REQUIREMENTS. THE CIRCUIT DESIGNATION IS INDICATED BY NUMBER(S) ADJACENT TO THE HEATER. EXAMPLE: ELECTRIC BASEBOARD HEATER TYPE "H1" CONNECTED TO CIRCUITS IN PANEL HA-1.

T1 — TRANSFORMERS. THE TRANSFORMER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "T". SEE THE TRANSFORMER SCHEDULE OR THE SINGLE LINE DIAGRAM FOR THE TRANSFORMER DESCRIPTION AND REQUIREMENTS. EXAMPLE: TRANSFORMER TYPE "T1".

PANEL-LA — PANELBOARDS. PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANELBOARDS. SEE PANELBOARD IDENTIFICATION FOR DESIGNATION CODES.

① ⟨1⟩ — SPECIAL NOTE. SEE THE SPECIAL NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED IN THE CIRCLE OR HEXAGON.

——— BRANCH CIRCUIT, CONCEALED ABOVE CEILING OR IN WALL, 1/2"c. UNLESS NOTED, WITH GREEN GROUNDING ELECTRODE CONDUCTOR IN ADDITION TO CIRCUIT SHOWN, MINIMUM #12 AWG COPPER.

—·— BRANCH CIRCUIT, EXPOSED IN BAR JOIST SPACE, BELOW CEILING OR ON WALLS. 1/2"c. UNLESS NOTED, WITH GREEN GROUNDING ELECTRODE CONDUCTOR IN ADDITION TO CIRCUIT SHOWN, MINIMUM #12 AWG COPPER. ROUTE PERPENDICULAR AND PARALLEL WITH STRUCTURAL MEMBERS.

- - - - BRANCH CIRCUIT, CONCEALED IN SLAB BELOW SLAB, OR BELOW GRADE, WITH GREEN GROUNDING ELECTRODE CONDUCTOR IN ADDITION TO CIRCUIT SHOWN, MINIMUM #12 AWG COPPER.

——— BRANCH CIRCUIT, HOMERUN TO PANEL, CIRCUIT SHOWN INDICATES 2#12 & 1#12(G)-1/2"c. TO ONE 20A/1P CIRCUIT BREAKER.
INDICATES 4#12 & 1#12(G)-1/2"c. TO TWO 20A/1P BREAKERS,.
INDICATES 6#12 & 1#12(G)-1/2"c. TO THREE 20A/1P BREAKERS.

—8— BRANCH CIRCUIT WITH #8 AWG WIRING IN CONDUIT SIZED AS PER N.E.C. FOR NUMBER OF CONDUCTORS SHOWN. NUMBER INDICATES CONDUCTOR SIZE.

——— LIFE SAFETY CIRCUIT.

—D— DIMMING CONTROL WIRING ALONG WITH LIGHTING CIRCUIT. PROVIDE AS PER MANUFACTURER'S RECOMMENDATIONS.

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Project No: 22-110

BLUE SKY LATITUDE
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NEW CONSTRUCTION:
THE VILLAGE AT SAMFORD TRACE
BUILDING 4 - SMARTBANK
1940 SAMFORD AVENUE
AUBURN, AL 36830

D. MORGAN GARNER
No. [illegible]3579
6/20/23

Do Not Scale From Drawings.

Contractor must verify all dimensions prior to construction.

JOB No. 23001

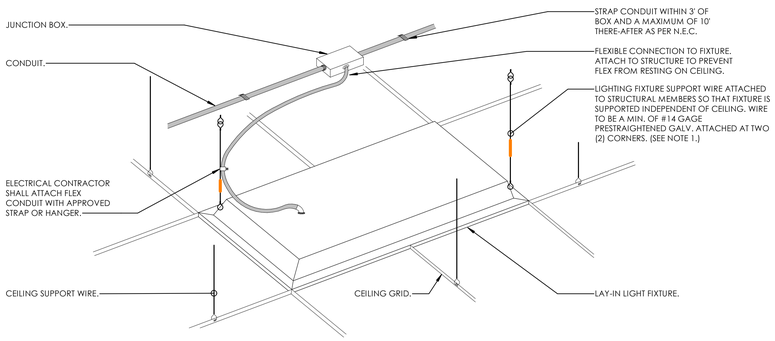
REVISION SCHEDULE

No.	Description	Date

ELECTRICAL SYMBOL LEGEND & NOTES

E0.1

6/19/2023 7:09:04 PM

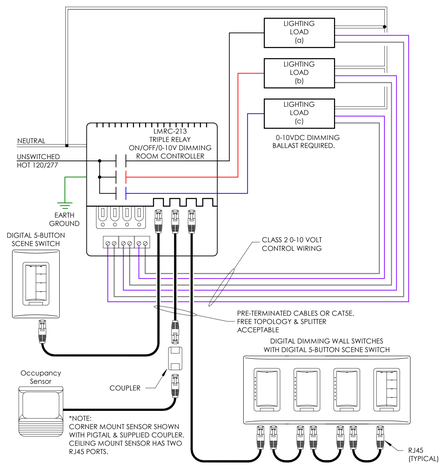


1 TYPICAL LAY-IN FIXTURE SUPPORT DETAIL
E0.2

NOT TO SCALE

NOTES:

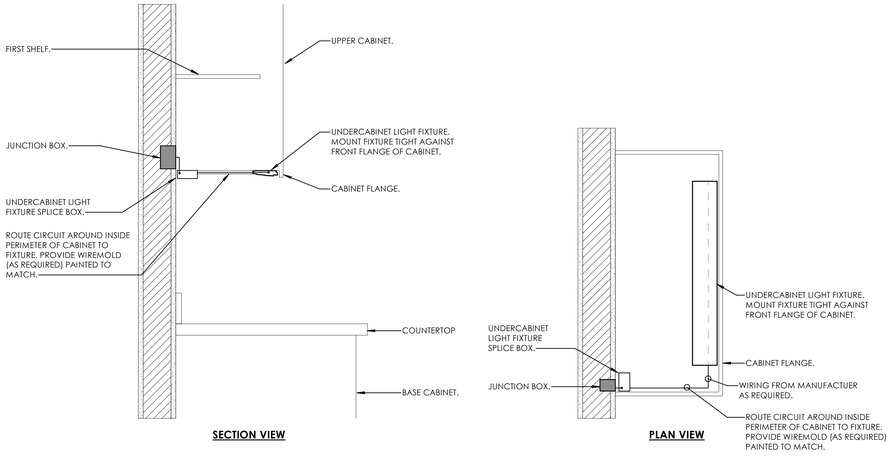
1. INDEPENDENT SUPPORT WIRES MUST BE MARKED (PAINTED) SO THAT THEY CAN BE DISTINGUISHABLE AS NON-CEILING SUPPORT WIRES PER N.E.C.
2. INDEPENDENT SUPPORT WIRES SHALL NOT HAVE AN ANGLE OF MORE THAN 45° FROM THE CEILING GRID.



DEVICES ARE PRESET FOR PLUG N' GO OPERATION.
ADJUSTMENT IS OPTIONAL, SEQUENCE OF OPERATION: IN THIS CONFIGURATION THE CONTROLLER DEFAULTS TO MULTI-LEVEL AUTOMATIC-ON/AUTOMATIC-OFF OPERATION. LOAD (A) ON THE CONTROLLER TURNS ON AUTOMATICALLY, WHILE LOAD (B) & (C) DEFAULTS TO MANUAL-ON CONTROL; ALL RELAYS TURN OFF AUTOMATICALLY. ENHANCED ROOM CONTROLLERS SUPPORT UP TO 64 LOADS AND 48 DEVICES PER LOCAL NETWORK. AT SYSTEM STARTUP, DEFAULT DIMMING PARAMETERS ARE ESTABLISHED INCLUDING: LEVELS FOR PRESETS 1-4; FADE TIMES; AND FADE AND RAMP RATES. DIMMING AND SYSTEM PARAMETERS MAY BE CUSTOMIZED.

2 TYPICAL ROOM CONTROLLER DETAIL
E0.2

NOT TO SCALE



3 UNDERCABINET FIXTURE MOUNTING DETAIL
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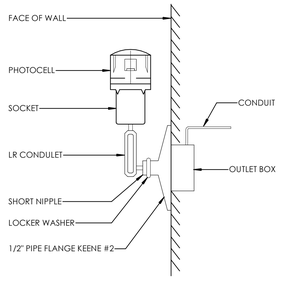
NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	LAMP	MOUNTING	CCT	DESCRIPTION
A	PRESCOLITE	LTR-6RD-H-SL15L-DM1-LTR-6RD-T-SL35K8MDSS	LED	CEILING RECESSED	3500 K	6" APERTURE LED DOWNLIGHT, 0-10 VOLT DIMMING, 1500 LUMENS.
AE	PRESCOLITE	LTR-6RD-H-SL15L-DM1-LTR-6RD-T-SL35K8MDSS	LED	CEILING RECESSED	3500 K	6" APERTURE LED DOWNLIGHT, 0-10 VOLT DIMMING, 1500 LUMENS. PROVIDE WITH EMERGENCY BATTERY PACK AND INTEGRAL TEST SWITCH, 0-10 VOLT DIMMING.
B	PRESCOLITE	LTR-6RD-H-SL20L-DM1-LTR-6RD-T-SL30K8MDSS	LED	CEILING RECESSED	3000 K	6" APERTURE LED DOWNLIGHT WITH WIDE FLANGE BAFFLE AND WET LOCATION LISTED, 2000 LUMENS.
BE	PRESCOLITE	LTR-6RD-H-SL20L-DM1-EMR-LTR-6RD-T-SL30K8MDSS	LED	CEILING RECESSED	3000 K	6" APERTURE LED DOWNLIGHT WITH WIDE FLANGE BAFFLE AND WET LOCATION LISTED, 2000 LUMENS. PROVIDE WITH EMERGENCY BATTERY PACK AND INTEGRAL TEST SWITCH.
C	PRESCOLITE	LTR-6SQD-H-HL40L-DM1-LTR-6SQD-T-HL30K8MDSS	LED	CEILING RECESSED	3000 K	6" SQUARE LED DOWNLIGHT WITH WIDE FLANGE BAFFLE AND WET LOCATION LISTED, 4000 LUMENS.
D	ALCON LIGHTING	12100-41-W-D-D9-S-30K-010-RAL#-8-EM15	LED	SURFACE WALL MOUNTED	3000 K	3' EXTERIOR RATED LED LINEAR FIXTURE WITH DOWNLIGHT ONLY. VERIFY LENGTH OF FIXTURE WITH PLANS. COLOR TO BE SPECIFIED BY ARCHITECT. PROVIDE WITH INTEGRAL EMERGENCY BATTERY BACKUP.
F1	COLUMBIA LIGHTING	LCL2-40ML-EU	LED	CEILING SUSPENDED	4000 K	2' LED STRIP.
F2	COLUMBIA LIGHTING	CFP22-40/33/2835	LED	CEILING LAY-IN	3500 K	2' x 2' EDGE LIT LED FLAT PANEL. 0-10 VOLT DIMMING AND SELECTABLE LUMEN OUTPUT.
F2E	COLUMBIA LIGHTING	CFP22-40/33/2835-PLD10M	LED	CEILING LAY-IN	3500 K	2' x 2' EDGE LIT LED FLAT PANEL. PROVIDE WITH EMERGENCY BATTERY PACK AND TEST SWITCH,
F4	COLUMBIA LIGHTING	CFP24-55/41/3435	LED	CEILING LAY-IN	3500 K	2' x 4' EDGE LIT LED FLAT PANEL. 0-10 VOLT DIMMING AND SELECTABLE LUMEN OUTPUT.
F4E	COLUMBIA LIGHTING	CFP24-55/41/3435-PLD10M	LED	CEILING LAY-IN	3500 K	2' x 4' EDGE LIT LED FLAT PANEL. PROVIDE WITH EMERGENCY BATTERY PACK AND TEST SWITCH,
FSE	COLUMBIA LIGHTING	LCL4-40ML-EU-ELL14	LED	CEILING SUSPENDED	4000 K	4' LED STRIP. PROVIDE WITH EMERGENCY BATTERY PACK AND INTEGRAL TEST SWITCH,
G	KIM LIGHTING	INT-4-48L-55-3K8-WG-UNV-K-MB-CC	LED	GRADE MOUNTED KNUCKLE	3000 K	GRADE MOUNTED LED FOR BUILDING ILLUMINATION. OFFSET LIGHT FROM BULDING AS REQUIRED FOR BEST ILLUMINATION. PROVIDE ALL MOUNTING ACCESSORIES AND CABLING AS REQUIRED. VERIFY PHOTOMETRIC ILLUMINATION.
K	EUREKA	PUR 3430 LED 30 120V WH	LED	SURFACE WALL BRACKET	3000 K	EXTERIOR LED WALL SCONCE. VERIFY MOUNTING HEIGHT AND FIXTURE COLOR WITH ARCHITECT.
L	ALCON LIGHTING	12100-41-P-DI-D9-I6-6-35K-010-RAL#-8	LED	CEILING SUSPENDED	3500 K	6' LED LINEAR PENDANT WITH DIRECT/INDIRECT LIGHT OUTPUT, 0-10V DIMMING. VERIFY SUSPENSION HEIGHT AND FIXTURE COLOR WITH ARCHITECT.
M	ALCON LIGHTING	12100-41-P-DI-D9-I6-14-35K-010-RAL#-8	LED	CEILING SUSPENDED	3500 K	14' LED LINEAR PENDANT WITH DIRECT/INDIRECT LIGHT OUTPUT, 0-10V DIMMING. VERIFY SUSPENSION HEIGHT AND FIXTURE COLOR WITH ARCHITECT.
N	ALCON LIGHTING	12100-41-P-DI-D9-I6-4-35K-010-RAL#-8-EM15	LED	CEILING SUSPENDED	3500 K	4' LED LINEAR PENDANT WITH DIRECT/INDIRECT LIGHT OUTPUT.PROVIDE WITH EMERGENCY BATTERY PACK ANDINTEGRAL TEST SWITCH,
UC	COLUMBIA LIGHTING	CUC	LED	UNDER CABINET	3500 K	UNDERCABINET LED LIGHT. PROVIDE ALL PARTS AND PIECES FOR A COMPLETE INSTALLATION. SEE ARCHITECTURAL CASEWORK PLANS FOR LENGHTS. MANUFACTURER SHALL PROVIDE FIXTURE FOR THE ENTIRE LENGTH OF UPPER CABINET.
X	LIGHTALARMS	6UEARM	LED/RED	UNIVERSAL	0 K	SINGLE OR DOUBLE FACE EDGE LIT, LED EXIT LIGHT WITH MIRROR BACKGROUND, RED LETTERS, SEELIGHTING PLAN FOR MOUNTING TYPE AND FACE TYPES.

LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

1. ALL LUMINARIES AND INSTALLATION SHALL BE IN ACCORDANCE WITH NEC, NFPA AND LOCAL CODES. ALL LUMINARIES SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THE UL LISTING.
2. LUMINAIRES SHALL BE FURNISHED COMPLETE WITH THE PROPER LAMP BASE OR PIN RECEPTORS, WIRING COMPONENTS, LAMPS, SUPPORTING FRAMES AND DEVICES, ETC., FOR A COMPLETE INSTALLATION.
3. ALL LUMINAIRE DEVICES, COMPONENTS, FITTINGS, SUPPORTS, ETC., SHALL BE COORDINATED TO PROVIDE A COMPLETE UL LISTED INSTALLATION.
4. ALL LUMINAIRES BALLAST, DRIVERS, LAMPS, ETC SHALL BE COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM OR DIMMING CONTROL SYSTEM PROVIDED.
5. SECURE EACH LAY-IN LUMINAIRE AT TWO LOCATIONS TO THE CEILING GRID. PROVIDE BOLTS, SCREWS, RIVETS OR APPROVED CLIPS FOR USE WITH THE TYPE CEILING AND LUMINAIRE INSTALLED.
6. ALL LUMINAIRES IN MECHANICAL AND ELECTRICAL ROOMS SHALL BE INSTALLED TO CLEAR ELECTRICAL EQUIPMENT, DUCT, PIPING, ETC., SUSPEND BELOW OBSTRUCTION WHEN CONFLICTS OCCUR.
7. ADJUSTABLE AIMING LUMINAIRES SHALL BE ADJUSTED FOR FINAL APPROVAL AT NIGHT. OWNER, ARCHITECT, AND ENGINEER RESERVES THE RIGHT TO HAVE THE CONTRACTOR ADJUST LIGHTING TO THEIR SATISFACTION.
8. ALL SURFACE OR SUSPENDED LUMINAIRES SHALL HAVE JOINING PLATES, END CAPS, CANOPIES, ETC.
9. ALL EXTERIOR POLES SHALL BE ALUMINUM WITH HANDHOLES. COORDINATE WITH LIGHTING FIXTURE SCHEDULE EXACT SIZE AND STYLE OF POLE.
10. PROVIDE ALL LUMINAIRES CONNECTED TO A DIMMER SWITCH OR MODULE WITH A DIMMING BALLAST.
11. ALL INTERIOR LUMINAIRES SHALL BE PROVIDED WITH 3500K COLOR TEMPERATURE LAMPS OR LEDS. ALL EXTERIOR LUMINAIRES SHALL BE PROVIDED WITH 4100K COLOR TEMPERATURE LAMPS OR LEDS.
12. PROVIDE ALL DUAL SWITCHED LUMINAIRES WITH DUAL BALLAST.
13. LUMINAIRES WITH TWO SUB-SCRIPTS, AN "a" AND "b", SHALL HAVE OUTSIDE TWO LAMPS CONTROLLED BY SWITCH OR RELAY POLE "a" AND INSIDE LAMP OR LAMPS CONTROLLED BY SWITCH OR RELAY POLE "b", SIMILARLY FOR OTHER SETS OF SUB-SCRIPTS SUCH AS "c, d, e, f, ETC.,"
14. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS FOR LUMINAIRES, POLES, MOUNTING ACCESSORIES, ETC. DURING SHOP DRAWING REVIEW.
15. COORDINATE LUMINAIRE MOUNTING WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
16. PROVIDE ALL EXIT SIGNS WITH DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS.
17. CONTRACTOR SHALL PROVIDE ALL SLOPE ADAPTERS, FLANGE KITS, TRIMS, AND ALL OTHER MOUNTING ACCESSORIES AS NEEDED TO MOUNT EACH LUMINAIRE IN CEILINGS AS SHOWN. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS.
18. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LUMINAIRES AND EXIT SIGNS.
19. **APPROVED EQUAL LIGHTING MANUFACTURERS ARE HUBBELL LIGHTING, ACUITY LIGHTING AND PHILIPS.**



4 PHOTO-CELL INSTALLATION DETAIL
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NOT TO SCALE

NOTES:

1. PAINT CONDUIT NIPPLE, SOCKET AND PIPE FLANGE WITH TWO COATS OF ENAMEL TO MATCH EXTERIOR WALL COLOR.
2. COMPLETE ASSEMBLY TO BE UL LISTED FOR WET LOCATIONS.
3. PHOTOCELL TO BE MOUNTED FACING NORTH FREE FROM ALL SHADOWS WHICH MIGHT CAUSE PHOTOCELL TO TURN LIGHTS ON EARLY. CONTRACTOR SHALL COORDINATE PROPER MOUNTING LOCATION PRIOR TO INSTALLATION.

LIGHTING CONTROL SCHEME SCHEDULE

MARK	ROOM	BUTTONS	ROOM CONTROLLER OR RELAY	LABEL - ENGRAVING	AUTOMATION
A	GENERAL USE SWITCH (APPLIES TO MULTIPLE ROOMS)	1	LC	ON	ON
					* OFF CONTROLLED BY SENSOR
B	TELLER SUPPORT 115 BREAK 121 COPY 122	1	LC-a,b	ALL ON/RAISE	ALL ON/BRIGHTEN
		2	LC-a	CEILING LIGHTS	ZONE a - BRIGHTEN
		3	LC-b	UNDERCABINET LIGHTING	ZONE b - BRIGHTEN
		4	LC-a	CEILING LIGHTS	ZONE a - DIM
		5	LC-b	UNDERCABINET LIGHTING	ZONE b - DIM
		6	LC-a,b	ALL OFF/LOWER	ALL OFF/DIM
C	CONFERENCE 111	1	LC-a,b,c	ALL ON/RAISE	ALL ON/BRIGHTEN
		2	LC-a	PENDANT	ZONE a - BRIGHTEN
		3	LC-b	DOWNLIGHTS - OUTER	ZONE b - BRIGHTEN
		4	LC-c	DOWNLIGHTS - FRONT	ZONE c - BRIGHTEN
		5	LC-a	PENDANT	ZONE a - DIM
		6	LC-b	DOWNLIGHTS - OUTER	ZONE b - DIM
		7	LC-c	DOWNLIGHTS - FRONT	ZONE c - DIM
		8	LC-a,b,c	ALL OFF/LOWER	ALL OFF/DIM
D	LOBBY 112 TELLER 114	1	LC-a,b,c	ON	ON
		2	LC-a,b,c	OFF	OFF
E	LOBBY 112 TELLER 114	1	LC-a,b,c	ALL ON	ALL ON
		2	LC-a	DOWNLIGHTS	ZONE a - BRIGHTEN
		3	LC-b	PENDANTS	ZONE b - BRIGHTEN
		4	LC-c	LIGHTED SIGN	ZONE c - BRIGHTEN
		5	LC-a	DOWNLIGHTS	ZONE a - DIM
		6	LC-b	PENDANTS	ZONE b - DIM
		7	LC-c	LIGHTED SIGN	ZONE c - DIM
		8	LC-a,b,c	ALL OFF	ALL OFF

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Project No: 22-110

BLUE SKY LATITUDE
1490 Northbank Parkway, Suite 271
Tuscaloosa, AL 35406
Maellis.architect@gmail.com
205-792-6321

NEW CONSTRUCTION:

THE VILLAGE AT SAMFORD TRACE BUILDING 4 - SMARTBANK

1940 SAMFORD AVENUE
AUBURN, AL 36830

ALABAMA LICENSED ARCHITECT
No. 26579
PROFESSIONAL
6/20/23
REGISTERED
MORGAN GARNER

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

LIGHTING FIXTURE SCHEDULE, NOTES & DETAILS

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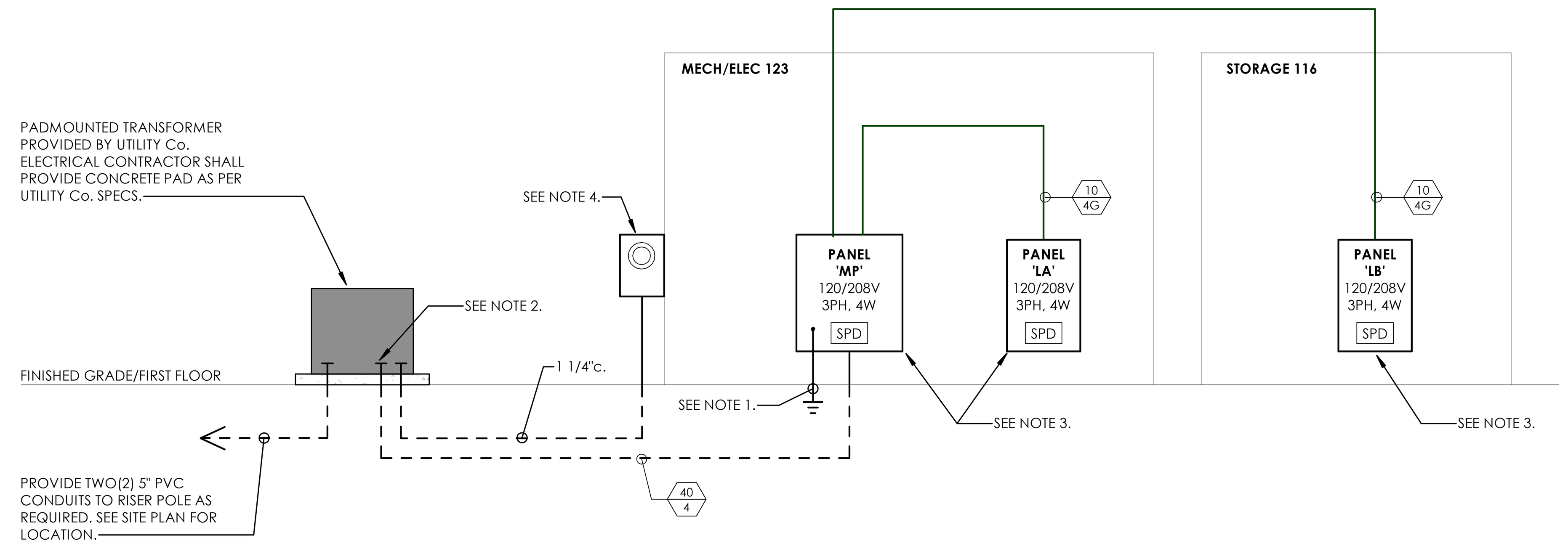


1 / E0.3 **POWER RISER DIAGRAM**
NOT TO SCALE

POWER RISER DIAGRAM NOTES:

1. 1#2/0 BARE COPPER EACH GROUND IN 1" CONDUIT. ONE (1) TO COLD WATER PIPE, ONE (1) DRIVEN, ONE (1) TO BUILDING STEEL AND ONE (1) TO REBAR AS PER N.E.C. SEE SERVICE ENTRANCE DETAIL.
2. TERMINATION OF SERVICE CONDUCTORS AT PAD MOUNTED TRANSFORMER AND AT SERVICE EQUIPMENT (WHERE POSSIBLE) SHALL BE TWO HOLE, LONG BARREL COMPRESSION LUGS (TWO COMPRESSIONS MINIMUM) ILSCO, BURNDY OR EQUAL. CONNECTIONS SHALL BE MADE WITH FULL SIZE TINNED OR CADMIUM PLATED SILCONE BRONZE BOLTS AND HARDWARE.
3. PANEL SHALL HAVE SURGE PROTECTION DEVICE. SURGE PROTECTION DEVICE MUST BE INSTALLED INTERNALLY TO THE ELECTRICAL DISTRIBUTION EQUIPMENT AND SHIPPED FROM THE MANUFACTURER'S FACTORY AS A COMPLETE U.L. LISTED ASSEMBLY. PANELBOARD SPD SHALL BE GENERAL ELECTRIC TMENVNE/100/200. OR EQUAL.
4. ELECTRIC METER FURNISHED BY UTILITY COMPANY.

FEEDER SCHEDULE

SYMBOL	COPPER CONDUCTORS
2/2G	2#12 & 1#12(G) - 3/4"c.
3/2G	2#10 & 1#10(G) - 3/4"c.
6/2G	2#6 & 1#8(G) - 1"c.
10/4G	4#3 & 1#8(G) - 1 1/2"c.
40/4	4#500MCM - 3 1/2"c.

DISCONNECT SWITCH SCHEDULE

TYPE	VOLT	SIZE/POLE	FUSIBLE	NEMA	REMARKS
1	208	60A/2P	Y	3R	FUSE PER MANUFACTUER'S REQUIREMENTS.
2	208	30A/2P	Y	3R	FUSE PER MANUFACTUER'S REQUIREMENTS.

PANELBOARD SCHEDULE — PANEL LB

CKT	DIRECTORY	TRIP	POLE	A	A	B	B	C	C	POLE	TRIP	DIRECTORY	CKT
1	REC. I.T. 120	20 A	1	400 VA	540 VA					1	20 A	REC. TELLER 114	2
3	REC. I.T. 120	20 A	1			400 VA	360 VA			1	20 A	REC. TELLER 114	4
5	REC. I.T. 120	20 A	1					400 VA	1440 VA	1	20 A	REC. OFFICE 101	6
7	REC. I.T. 120	20 A	1	400 VA	360 VA					1	20 A	REC. LOBBY 112	8
9	REC. I.T. 120	20 A	1			400 VA	360 VA			1	20 A	REC. LOBBY 112	10
11	REC. I.T. 120	20 A	1					400 VA	800 VA	1	20 A	REC. LOBBY 112 - TELLER STATION	12
13	REC. STOR. 116	20 A	1	180 VA	720 VA					1	20 A	REC. LOBBY 112	14
15	REC. RESTROOM 119	20 A	1			900 VA	1200 VA			1	20 A	REFRIGERATOR LOBBY 112	16
17	REC. TELLER SUPPORT 115	20 A	1					800 VA	1380 VA	1	20 A	REC. CONFERENCE 111	18
19	REC. TELLER SUPPORT 115	20 A	1	800 VA	720 VA					1	20 A	REC. CONFERENCE 111	20
21	REC. TELLER SUPPORT 115	20 A	1			800 VA	360 VA			1	20 A	DEAL DRAWER	22
23	REC. OFFICE 103	20 A	1					720 VA	400 VA	1	20 A	REC. TELLER 114	24
25	REC. L OBBY 112	20 A	1	360 VA	800 VA					1	20 A	TUBE SYSTEM - TELLER UNIT	26
27	REC. OFFICE 102	20 A	1			720 VA	400 VA			1	20 A	REC. TELLER 114	28
29	REC. OFFICE 110	20 A	1					720 VA	580 VA	1	20 A	REC. TELLER 114	30
31	REC. TELLER SUPPORT 115	20 A	1	540 VA	360 VA					1	20 A	REC. ROOF	32
33	REC. TELLER SUPPORT 115	20 A	1			360 VA	800 VA			1	20 A	TUBE SYSTEM - CUSTOMER UNIT	34
35	DEPOSITORY - TELLER SUPPORT 115	20 A	1					360 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	600 VA					1	20 A	FACP (RED-LOCKED ON)	50
51	SPARE	20 A	1			0 VA	180 VA			1	20 A	SECURITY CONTROL PANEL	52
53	SPARE	20 A	1					0 VA	2400 VA	1	25 A	ATM - DRIVE THRU	54
55	SPARE	20 A	1	0 VA	2222 VA					1	30 A	WATER HEATER	56
57	MONUMENT SIGN	20 A	2			600 VA	2496 VA			2	30 A	DATA RACK- I.T. 120	58
59								600 VA	2496 VA				60
		TOTAL LOADS:		9002 VA		10336 VA		13496 VA					
		TOTAL AMPS:		75 A		88 A		114 A					

VOLTAGE:	120/208V, 3PH, 4W	**PANEL TYPE:**	RQ	**LOCATION:**	STOR. 116
MAIN BREAKER:	MLO	**MAIN BUS:**	100 A	**TOTAL CONNECTED LOAD:**	91 A
MOUNTING:	SURFACE	**A.I.C. RATING:**	22K	**FEED FROM:**	MP
NOTES:		**ENCLOSURE:**	NEMA 1	**FEEDER SIZE:**	SEE RISER DIAGRAM.

PANELBOARD SCHEDULE — PANEL MP

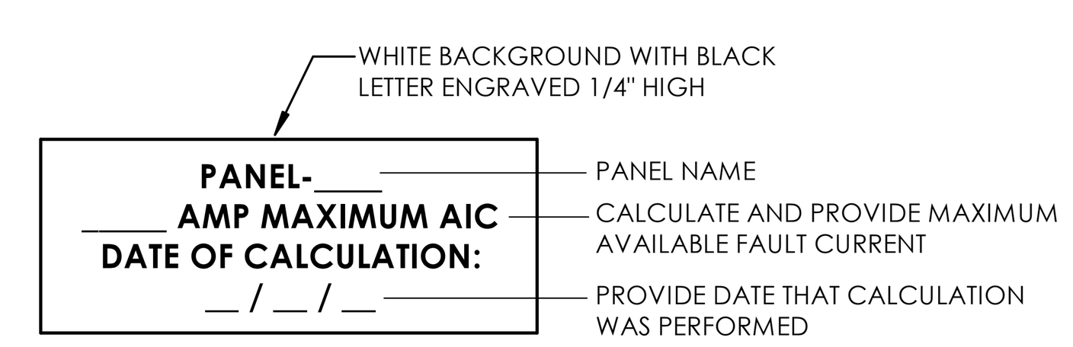
CKT	DIRECTORY	TRIP	POLE	A	A	B	B	C	C	POLE	TRIP	DIRECTORY	CKT
1	SPARE	20 A	2	0 VA	0 VA					2	20 A	SPARE	2
3						0 VA	0 VA						4
5	SPARE	20 A	2					0 VA	0 VA	2	20 A	SPARE	6
7				0 VA	0 VA								8
9	RTU-1 (ROOFTOP MECH)	30 A	2			1850 VA	936 VA			2	30 A	HP-1 (ROOFTOP MECH)	10
11								1850 VA	936 VA				12
13	RTU-3 (ROOFTOP MECH)	30 A	2	1850 VA	1144 VA					2	30 A	HP-2 (ROOFTOP MECH)	14
15						1850 VA	1144 VA						16
17	SPARE	30 A	2					0 VA	0 VA	2	30 A	SPARE	18
19				0 VA	0 VA								20
21	RTU-2 (ROOFTOP MECH)	60 A	2			3000 VA	0 VA			2	60 A	SPARE	22
23								3000 VA	0 VA				24
25	PANEL - LA	100 A	3	7549 VA	9002 VA					3	100 A	PANEL - LB	26
27						8298 VA	10336 VA						28
29								7073 VA	13496 VA				30
		TOTAL LOADS:		19545 VA		27414 VA		26355 VA					
		TOTAL AMPS:		163 A		237 A		228 A					

VOLTAGE:	120/208V, 3PH, 4W	**PANEL TYPE:**	RQ	**LOCATION:**	ELECT. 123
MAIN BREAKER:	MCB	**MAIN BUS:**	400 A	**TOTAL CONNECTED LOAD:**	203 A
MOUNTING:	SURFACE	**A.I.C. RATING:**	22K	**FEED FROM:**	PAD-MOUNTED TRANSFORMER
NOTES:	U.L.S.E RATED	**ENCLOSURE:**	NEMA 1	**FEEDER SIZE:**	SEE RISER DIAGRAM.

PANELBOARD SCHEDULE — PANEL LA

CKT	DIRECTORY	TRIP	POLE	A	A	B	B	C	C	POLE	TRIP	DIRECTORY	CKT
1	REC. OFFICE 109	20 A	1	720 VA	833 VA					1	20 A	LIGHTING - INTERIOR	2
3	REC. OFFICE 108	20 A	1			720 VA	1057 VA			1	20 A	LIGHTING - INTERIOR	4
5	REC. OFFICE 107	20 A	1					1260 VA	1392 VA	1	20 A	LIGHTING - INTERIOR	6
7	REC. OFFICE 106	20 A	1	720 VA	1000 VA					1	20 A	INTERIOR - LIGHTED SIGN	8
9	REC. OFFICE 105	20 A	1			720 VA	1151 VA			1	20 A	LIGHTING - INTERIOR	10
11	REC. OFFICE 104	20 A	1					720 VA	676 VA	1	20 A	LIGHTING - EXTERIOR	12
13	REFRIGERATOR *GF	20 A	1	1200 VA	761 VA					1	20 A	LIGHTING - EXTERIOR	14
15	REC. BREAK 121	20 A	1			1080 VA	1000 VA			1	20 A	EXTERIOR SIGN - BLDG MOUNTED	16
17	REC. BREAK 121	20 A	1					360 VA	360 VA	1	20 A	BUILDING SIGN	18
19	MICROWAVE	20 A	1	1200 VA	360 VA					1	20 A	BUILDING SIGN	20
21	DISHWASHER *GF	20 A	1			1500 VA	0 VA			1	20 A	SPARE	22
23	REC. COPY 122 - COPIER	20 A	1					1200 VA	0 VA	1	20 A	SPARE	24
25	REC. COPY 122	20 A	1	360 VA	0 VA					1	20 A	SPARE	26
27	REC. COPY 122	20 A	1			540 VA	0 VA			1	20 A	SPARE	28
29	REC. ELECT. 123	20 A	1					180 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	2					0 VA	395 VA	2	20 A	SITE LIGHTING	36
37				0 VA	395 VA								38
39	SPARE	20 A	2			0 VA	530 VA			2	20 A	SITE LIGHTING	40
41								0 VA	530 VA				42
		TOTAL LOADS:		7549 VA		8298 VA		7073 VA					
		TOTAL AMPS:		64 A		70 A		59 A					

VOLTAGE:	120/208V, 3PH, 4W	**PANEL TYPE:**	RQ	**LOCATION:**	ELECT. 123
MAIN BREAKER:	MLO	**MAIN BUS:**	100 A	**TOTAL CONNECTED LOAD:**	64 A
MOUNTING:	SURFACE	**A.I.C. RATING:**	22K	**FEED FROM:**	MP
NOTES:		**ENCLOSURE:**	NEMA 1	**FEEDER SIZE:**	SEE RISER DIAGRAM.



TYPICAL SERVICE ENTRANCE FAULT CURRENT NAMEPLATE

2 / E0.3 **SERVICE ENTRANCE FAULT CURRENT NAMEPLATE DETAIL**
NOT TO SCALE
NOTE:
CONTRACTOR SHALL CALCULATE AND PROVIDE NAMEPLATE ON THE SERVICE ENTRANCE EQUIPMENT THAT INDICATES THE MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE THE CALCULATION WAS PERFORMED. SEE NAMEPLATE REQUIREMENTS.

PANELBOARD SCHEDULE NOTES: (APPLIES TO ALL PANELBOARDS)

1. PANELBOARD DESIGNATIONS INDICATED IN ABOVE SCHEDULE ARE THOSE OF ABB. EQUAL EQUIPMENT BY OTHER MANUFACTURERS WILL BE CONSIDERED IF OTHER MANUFACTURER'S PANELS ARE TO BE USED, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL SPACE REQUIREMENTS.
2. EACH PANELBOARD SHALL HAVE AN INTEGRATED EQUIPMENT RATING EQUAL TO THE LOWEST A.I.C. OF ANY CIRCUIT BREAKER IN PANEL.
3. WHERE CURRENT LIMITING CIRCUIT BREAKERS ARE USED. THEY SHALL BE SERIES RATED FOR DOWNSTREAM PROTECTION. SUBMITTAL DATA SHALL INCLUDE A CURRENT U.L. APPROVED TABLE OF SERIES CONNECTED RATINGS OF ALL CIRCUIT BREAKERS TO BE USED. ALL 120/208V, 3PH, 4W PANELS SHALL BE SERIES RATED UNLESS NOTED OTHERWISE.
4. AT EACH FLUSH MOUNTED PANELBOARD PROVIDE SIX (6) EACH 1" CONDUITS STUBBED UP TO ABOVE ACCESSIBLE CEILING AND TERMINATE FOR FUTURE USE.
5. ALL PANELS SHALL HAVE DOOR IN DOOR CONSTRUCTION. DOOR SHALL BE INSTALLED CORRECTLY PER MANUFACTURERS INSTRUCTIONS. WHEN HINGED COVER DOOR IS OPENED, INTERIOR DEAD FRONT OPENS WITH DOOR.
6. ALL BRANCH CIRCUIT BREAKERS SHALL BE BOLT ON TYPE.
7. ALL CIRCUIT BREAKERS 100A AND ABOVE SHALL BE SOLID STATE BREAKERS TYPE LSI.
8. CONTRACTOR TO PROVIDE ALL BRANCH CIRCUIT NUMBERS USING PERMANENT CIRCUIT MARKERS WITH THE PROPER CIRCUIT NUMBER ATTACHED NEXT TO EACH BREAKER. STICK ON NUMBERS WILL NOT BE APPROVED. ON RELIA BRANCH BREAKERS, CONTRACTOR TO PROVIDE FIELD MOUNTED PHENOLIC NAMEPLATE INDICATING EACH LOAD. NO HAND WRITING VISIBLE ON THE PANEL WILL BE ACCEPTABLE.
9. ALL BLANK SPACES SHALL BE ASSUMED BUSSED SPACE FOR EACH PANELBOARD.
10. PANEL SHALL HAVE SURGE PROTECTION DEVICE. SURGE PROTECTION DEVICE MUST BE INSTALLED INTERNALLY TO THE ELECTRICAL DISTRIBUTION EQUIPMENT AND SHIPPED FROM THE MANUFACTURER'S FACTORY AS A COMPLETE U.L. LISTED ASSEMBLY. PANELBOARD SPDS SHALL BE ABB TMENVNE/100/200, OR EQUAL. VOLTAGES FOR DEVICES SHALL BE INDICATED ON THE PANELBOARD SCHEDULES AND SINGLE LINE DIAGRAM. **THIS NOTE APPLIES TO ALL PANELS.**
11. ALL TWO SECTION PANELS SHALL HAVE EQUAL CAN HEIGHTS.
12. PROVIDE U.L.S.E. (U.L. SERVICE ENTRANCE) LABEL. THIS NOTE ONLY APPLIES TO PANELS NOTED SO.
13. A.I.C. RATING, SR STANDS FOR SERIES RATED.
14. THE TERMINATION POINT OF THE FEEDER SERVING EACH ASSEMBLY SHALL BE AT THE NEAREST POINT OF FEEDER ENTRY TO MINIMIZE CONDUCTOR FILL IN THE CAN. COORDINATE TOP/BOTTOM FEED PANELBOARD PROVISIONS WITH EACH FEEDER INSTALLATION.
15. PROVIDE THE PROPERLY SIZED CONDUCTOR TERMINATION POINTS OR LUGS (MULTIPLE LUGS WHEN PARALLEL FEEDERS ARE USED) FOR THE NUMBER AND SIZE CIRCUITS INDICATED.
16. EACH PANELBOARD SHALL HAVE A NAMEPLATE AS SHOWN IN DETAIL. ENGINEER WILL NOT ACCEPT JOB UNTIL THESE NAMEPLATES ARE PROVIDED.
17. PROVIDE TYPED CIRCUIT DIRECTORY THAT INDICATES WHAT EACH CIRCUIT IS SERVING AND FOR LIGHTING AND RECEPTACLE CIRCUITS THE ROOM NUMBERS THAT CIRCUIT IS SERVING SHALL BE INCLUDED IN DIRECTORY.
18. ALL PANELBOARDS SHALL BE CLEARLY MARKED TO COMPLY WITH N.E.C. 110.16 REGARDING POTENTIAL HAZARDS OF ARC FLASH.
19. EACH SERVICE EQUIPMENT MAIN PANEL SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKINGS SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. CONTRACTOR IS RESPONSIBLE FOR CALCULATION AND PROPER MARKINGS AND MUST COMPLY WITH NEC 110.24. FIELD MARKINGS SHALL UTILIZE THE SAME METHOD AS PANELBOARD NAMEPLATES OR LABELS AND SHALL BE ON OUTSIDE COVER OF NEMA 1 PANELS AND ON INSIDE OF NEMA 3R PANELS.
20. PROVIDE FACTORY INSTALL POWER METERING EQUIPMENT EQUAL TO ABB MODEL #EPM2000. THIS NOTE ONLY APPLIES WHERE NOTED SO.

SWITCHBOARD SCHEDULE NOTES: (APPLIES TO ALL SWITCHBOARDS)

1. SWITCHBOARD DESIGNATIONS INDICATED IN SCHEDULES ARE THOSE OF ABB. EQUAL EQUIPMENT BY OTHER MANUFACTURERS WILL BE CONSIDERED. IF OTHER MANUFACTURER'S PANELS ARE TO BE USED, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL SPACE REQUIREMENTS.
2. EACH SWITCHBOARD SHALL HAVE AN INTEGRATED EQUIPMENT RATING EQUAL TO THE LOWEST A.I.C. OF ANY CIRCUIT BREAKER IN SWITCHBOARD.
3. ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE.
4. SWITCHBOARD MUST HAVE BUSSED INCOMING LINE LUG SECTION. NO SIDE ACCESS PERMITTED. SWITCHBOARD MUST HAVE A EMPTY SECTION FOR SERVICE ENTRANCE CONDUCTOR TERMINATION AND ENTRY.
5. SWITCHBOARD SHALL HAVE INTEGRAL SURGE PROTECTION DEVICE, ABB TYPE THENVNE, 200K A PER PHASE, 200K A.I.C. WITH INTEGRAL CIRCUIT BREAKER TYPE SEL WITH INDICATING LIGHTS, ALARM, TEST, FORM C CONTACTS AND A SURGE COUNTER. **THIS NOTE APPLIES TO ALL SWITCHBOARDS.**
6. IN MAIN SWITCHBOARD, ANY CIRCUIT BREAKERS, RATED 1000 AMPERES OR MORE SHALL BE PROVIDED WITH GROUND-FAULT PROTECTION.
7. CONTRACTOR TO PROVIDE ALL BRANCH CIRCUIT NUMBERS USING PERMANENT CIRCUIT MARKERS WITH THE PROPER CIRCUIT NUMBER ATTACHED NEXT TO EACH BREAKER. STICK ON NUMBERS WILL NOT BE APPROVED. ON SPECTRA BRANCH BREAKERS, CONTRACTOR TO PROVIDE FIELD MOUNTED PHENOLIC NAMEPLATE INDICATING EACH LOAD.
8. PROVIDE U.L.S.E. (U.L. SERVICE ENTRANCE) LABEL.
9. EACH SERVICE EQUIPMENT MAIN PANEL SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKINGS SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. CONTRACTOR IS RESPONSIBLE FOR CALCULATION AND PROPER MARKINGS AND MUST COMPLY WITH NEC 110.24. FIELD MARKINGS SHALL UTILIZE THE SAME METHOD AS PANELBOARD NAMEPLATES OR LABELS AND SHALL BE ON OUTSIDE COVER OF NEMA 1 PANELS AND ON INSIDE OF NEMA 3R PANELS.
10. PROVIDE FACTORY INSTALL POWER METERING EQUIPMENT EQUAL TO ABB MODEL #EPM6000.
11. PROVIDE ARC ENERGY REDUCTION SWITCHING AS REQUIRED TO COMPLY WITH NEC 240.87. PROVIDE DOCUMENTATION OF THIS ON A PLAQUE AS SOON AS YOU ENTER THE MAIN ELECTRICAL ROOM.

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Project No: 22-110

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NEW CONSTRUCTION:
THE VILLAGE AT SAMFORD TRACE
BUILDING 4 - SMARTBANK
1940 SAMFORD AVENUE
AUBURN, AL 36830

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

POWER RISER DIAGRAM, DETAILS & NOTES

E0.3

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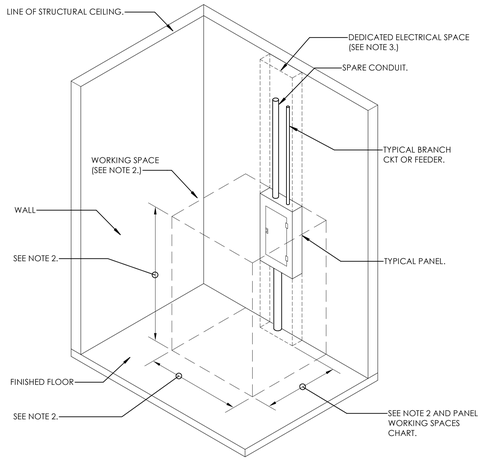
PANEL WORKING SPACES

NOMINAL VOLTAGE TO GROUND	MINIMUM CLEAR DISTANCE		
	CONDITION 1	CONDITION 2	CONDITION 3
0-150	3'-0"	3'-0"	3'-0"
151-600	3'-0"	3'-6"	4'-0"

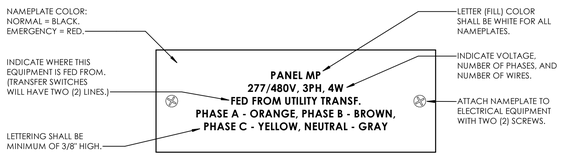
NOTE:
WHERE THE CONDITIONS ARE AS FOLLOWS:
- CONDITION 1 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE THAT ARE EFFECTIVELY GUARDED BY INSULATING MATERIALS.
- CONDITION 2 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE. CONCRETE, BRICK, OR TILE WALLS SHALL BE CONSIDERED AS GROUNDED.
- CONDITION 3 - EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE.



1 E0.4 ELECTRICAL PANEL WORKING CLEARANCE DETAIL

NOT TO SCALE

NOTES:
1. DIMENSIONS SHOWN ARE MINIMUM.
2. WORKING SPACE IS DEFINED AS THE SPACE IN FRONT OF THE PANEL FOR EXAMINATION, ADJUSTMENTS, SERVICING AND/OR MAINTENANCE WHILE ENERGIZED. IN ALL CASES WORK SPACES SHALL PERMIT AT LEAST A 90 DEG. OPENING OF EQUIPMENT DOORS OR HINGED PANELS.
   WIDTH: 30" OR WIDTH OF EQUIPMENT (WHICHEVER IS GREATER)
   HEIGHT: 6'-6" FROM FLOOR OR HEIGHT OF EQUIPMENT. (WHICHEVER IS GREATER)
   DEPTH: DEPENDS ON CONDITIONS OUTLINED IN PANEL WORKING SPACES CHART.
3. DEDICATED ELECTRICAL SPACE IS DEFINED AS THE SPACE EQUAL TO THE WIDTH AND DEPTH OF THE EQUIPMENT, EXTENDING FROM FLOOR TO A HEIGHT OF 6'-0" ABOVE THE EQUIPMENT OR TO THE STRUCTURAL CEILING. (WHICHEVER IS LOWER)
4. SEE NFPA 70, CURRENT NEC.



2 E0.4 ELECTRICAL EQUIPMENT NAMEPLATE DETAIL

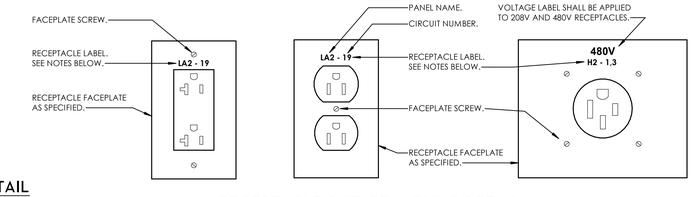
NOT TO SCALE

NOTES:
1. THIS DETAIL IS TYPICAL FOR ALL ELECTRICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO PANELS, DISCONNECTS, ETC.
2. NAMEPLATES SHALL BE MOUNTED NEAR THE TOP AND CENTER OF EQUIPMENT.

3 E0.4 TYPICAL ARC FLASH WARNING LABEL DETAIL

NOT TO SCALE

NOTES:
1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS **PER N.E.C. 110.16.**
2. THE LABEL FORMAT AND TEXT SHALL BE IN ACCORDANCE WITH THE FIGURE. ALL OTHER LABELS MUST BE SUBMITTED FOR APPROVAL.
3. THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.
4. THE SIZE OF THE LABEL SHALL BE 4" HIGH AND 6" WIDE FOR INDOOR AND OUTDOOR EQUIPMENT.



4 E0.4 RECEPTACLE OUTLET LABLING DETAIL

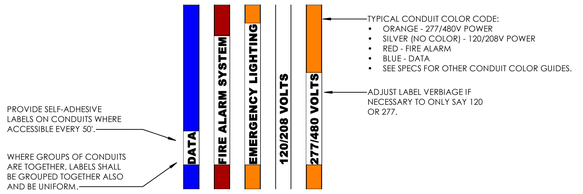
NOT TO SCALE

NOTES:
1. RECEPTACLE FACEPLATES SHALL BE LABELED WITH THE PANEL NAME AND CIRCUIT NUMBER IT IS FED FROM.
2. LETTERING SHALL BE A MINIMUM OF 3/16" HIGH.
3. **STAINLESS STEEL FACEPLATE**
   LETTER (FILL) COLOR:
   NORMAL = WHITE.
   EMERGENCY = RED.
   * STAINLESS STEEL FACEPLATE LABELS SHALL BE ENGRAVED.
4. **PLASTIC FACEPLATE**
   LETTER (FILL) COLOR:
   NORMAL = BLACK.
   EMERGENCY = RED.
   * PLASTIC FACEPLATE LABELS SHALL BE LASER-PRINTED ON CLEAR SELF ADHESIVE VINYL.

5 E0.4 TYPICAL RECEPTACLE DETAIL

NOT TO SCALE

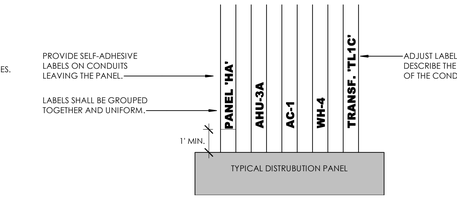
NOTE:
1. NEUTRAL AND GROUND CONDUCTOR SHALL BE CONTINUOUS SO THAT REMOVAL OF DEVICES WILL NOT INTERFERE WITH CONDUCTOR CONTINUITY.



6 E0.4 TYPICAL COLOR CONDUIT DETAIL

NOT TO SCALE

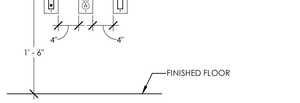
NOTES:
1. ALL COLOR CONDUITS SHALL HAVE THE PAINT COLOR FACTORY APPLIED. SPRAY PAINTED CONDUIT WILL NOT BE ACCEPTED.
2. ALL LABELS MUST BE PRE-PRINTED LABELS OF THE SAME SIZE AND TEXT.
3. CONDUITS WITH CEILING PAINT ON THEM WILL NOT BE ACCEPTED.



7 E0.4 TYPICAL FEEDER CONDUIT LABEL DETAIL

NOT TO SCALE

NOTES:
1. THIS APPLIES TO ALL BRANCH FEEDER CONDUITS FEEDING MECHANICAL EQUIPMENT, OTHER MAJOR ELECTRICAL EQUIPMENT AND PANELS. 20A/1P BRANCH CIRCUITS DO NOT HAVE TO BE LABELED. ANY CONDUIT 1" AND LARGER MUST BE LABELED LEAVING ALL PANELS.
2. ALL LABELS MUST BE PRE-PRINTED LABELS OF THE SAME SIZE AND TEXT.



8 E0.4 TYPICAL ELECTRICAL DEVICE DETAIL

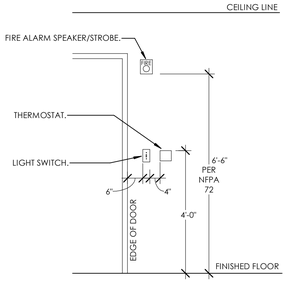
NOT TO SCALE

NOTES:
1. THIS DETAIL APPLIES WHERE EVER MULTIPLE DEVICES ARE SHOWN NEXT TO EACH OTHER ON THE SAME WALL.
2. SEE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION OF DEVICES.
3. ALL CONFLICTS SHALL BE PRESENTED TO THE ARCHITECT FOR A RESOLUTION.

9 E0.4 TYPICAL MECHANICAL EQUIPMENT ELECTRICAL DETAIL

NOT TO SCALE

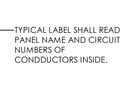
NOTES:
1. THIS DETAIL IS TYPICAL FOR ALL MECHANICAL/PLUMBING EQUIPMENT INCLUDING BUT NOT LIMITED TO AIR HANDLERS, MINI SPLITS, ROOF TOP UNITS, WATER HEATERS, ETC.
2. IF NO DISCONNECT IS SHOWN, UNIT IS FURNISHED WITH INTEGRAL DISCONNECT FROM MANUFACTURER OR IS IN SIGHT OF ELECTRICAL PANEL. MAKE ELECTRICAL CONNECTIONS PER MANUFACTURER'S REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL VERIFY UNITS HAVE INTEGRAL DISCONNECT WITH MECHANICAL CONTRACTOR.



11 E0.4 TYPICAL THERMOSTAT/SWITCH/FIRE ALARM INSTALLTION DETAIL

NOT TO SCALE

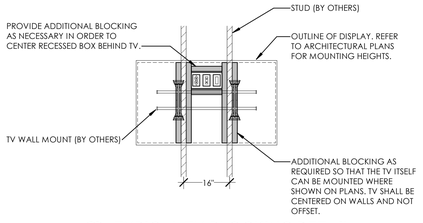
NOTES:
1. MOUNT DEVICES ON SAME VERTICAL CENTERLINE.
2. THERMOSTATS SHALL BE MOUNTED PER ADA.
3. THE LIGHT SWITCH MAY NOT APPLY IN ALL CASES.
4. IF THE THERMOSTAT IS SHOWN IN THE MIDDLE OF A WALL ON THE FLOOR PLANS, THEN THE DOOR EDGE REQUIREMENTS DO NOT APPLY.
5. ALL CONFLICTS SHALL BE PRESENTED TO THE ARCHITECT FOR A RESOLUTION.



10 E0.4 TYPICAL JUNCTION BOX LABEL DETAIL

NOT TO SCALE

NOTES:
1. ALL COVERS FOR FIRE ALARM MUST BE FACTORY APPLIED RED.
2. ALL LABELS MUST BE PRE-PRINTED LABELS OF THE SAME SIZE AND TEXT. NO HAND WRITING WILL BE ACCEPTED.
3. JUNCTION BOXES WITH CEILING PAINT ON THEM WILL NOT BE ACCEPTED.



12 E0.4 TYPICAL TV BLOCKING DETAIL

NOT TO SCALE

NOTES:
1. ELECTRICAL CONTRACTOR TO PROVIDE BLOCKING, RECESSED BOX, RECEPTACLE(S) AND DATA BOX(ES) AT ALL TV LOCATIONS.
2. VERIFY HEIGHT OF DISPLAY WITH ARCHITECT PRIOR TO ROUGH-IN.
3. SEE DETAILS THIS SHEET FOR ADDITIONAL REQUIREMENTS.

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1940 SAMFORD AVENUE
AUBURN, AL 36830

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 35075
MORGAN GARNER
6/20/23

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

ELECTRICAL DETAILS

E0.4

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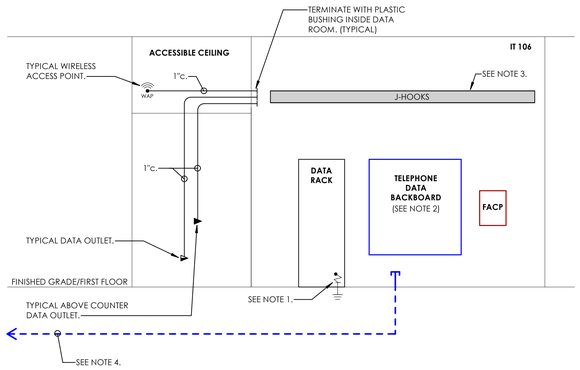
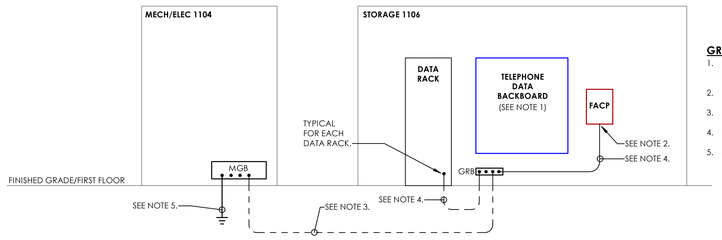


1 AUXILIARY SYSTEMS RACEWAY RISER DIAGRAM
E0.5 NOT TO SCALE

AUXILIARY RISER DIAGRAM NOTES:

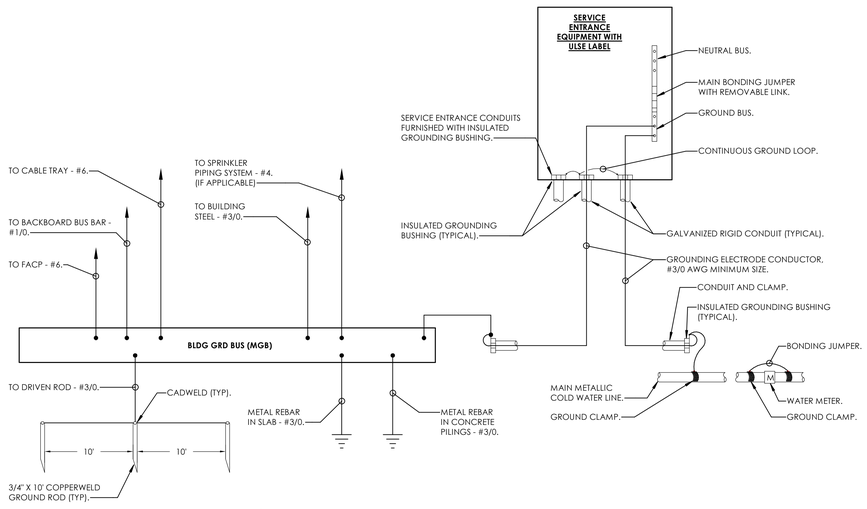
1. GROUND AS REQUIRED, SEE GROUNDING SYSTEM RISER DIAGRAM.
2. TELE/DATA BACKBOARD 8' H. x 3/4" D. LENGTH AS SHOWN ON FLOOR PLAN. MOUNT BOTTOM 6" A.F.F.
3. J-HOOKS AS REQUIRED.
4. TWO(2) 4" CONDUITS TO UTILITY PROVIDER'S PULL BOX FOR FIBER TO BUILDING.
5. THREE(3) 4" PVC CONDUITS ROUTED AS SHOWN.
6. ALL UNDERGROUND CONDUITS SHALL HAVE SWEEEPING 90'S.
7. PROVIDE ADDITIONAL PULL BOXES AS REQUIRED PER TIA-569-E
8. PROVIDE TELECOMMUNICATIONS BONDING PER TIA-607-D.
9. AUXILIARY RISER SHOWS WHERE A TYPICAL OUTLET IS LOCATED IN A CERTIAN BUILDING AND/OR FLOOR AND SHOWS WHAT TYPICAL DATA CLOSET IT SHOULD TERMINATE IN.
10. PROVIDE TELECOMMUNICATIONS LABELING PER TIA-606-C.
11. SEE SITE ELECTRICAL PLAN FOR ADDITIONAL ROUTING REQUIREMENTS.



2 GROUNDING RISER DIAGRAM
E0.5 NOT TO SCALE

GROUNDING RISER DIAGRAM NOTES:

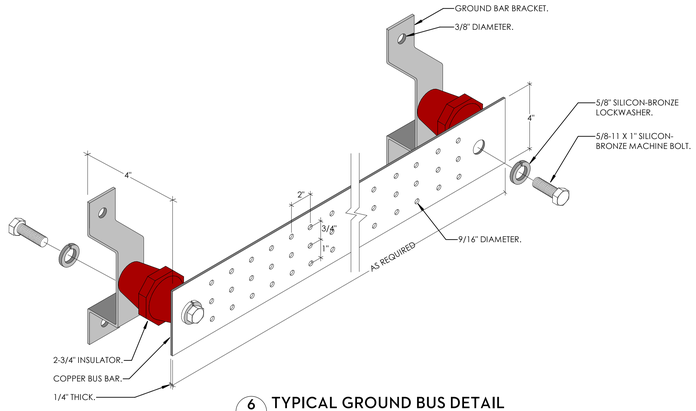
1. TELE/DATA BACKBOARD 8' H. x 3/4" D. LENGTH AS SHOWN ON FLOOR PLAN.
2. MAKE CONNECTION TO FACP AS REQUIRED.
3. #1/0 COPPER GROUND IN 1"c.
4. #6 COPPER GROUND IN 1"c.
5. #3/0 SERVICE ENTRANCE GROUND IN 1"c.



3 SERVICE ENTRANCE GROUNDING INSTALLATION
E0.5 NOT TO SCALE

NOTES:

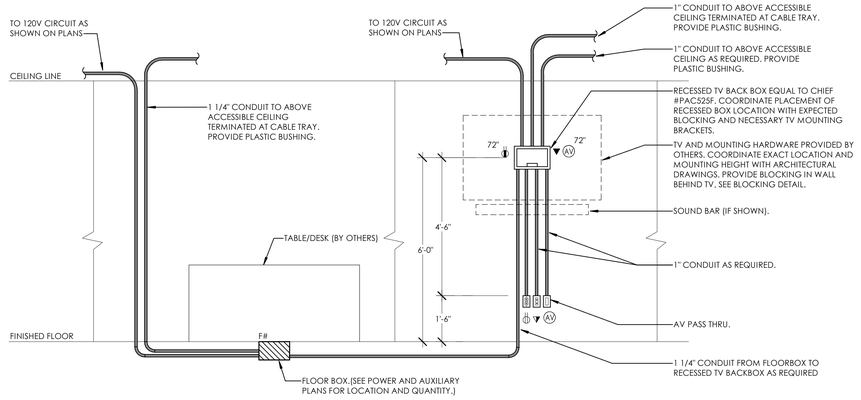
1. GROUNDING ELECTRODE SYSTEM SHALL BE IN ACCORDANCE WITH THE NEC ARTICLE 250.
2. GROUNDING ELECTRODE CONDUCTORS SHALL BE CONTINUOUS AND NOT SPLICED.
3. GROUNDING ELECTRODE CONDUCTORS SHALL BE ENCLOSED IN FULL LENGTH GALVANIZED RIGID CONDUIT AS INDICATED.
4. GROUNDING ELECTRODE CONDUCTORS SHALL BE BARE COPPER.
5. ALL BUSHINGS INSTALLED IN DIRECT CONTACT WITH EARTH SHALL BE APPROVED FOR THE PURPOSE.
6. GROUND CONNECTIONS BELOW GRADE SHALL BE EXOTHERMICALLY WELDED TYPE.
7. PROVIDE GROUNDING JUMPERS FROM COLD WATER PIPING TO HOT WATER PIPING AT EACH WATER HEATER PROVIDE GROUNDING JUMPERS AT EACH INSULATED JOINT OR ANY PLACE WHERE GROUND IS BROKEN TO MAINTAIN THE INTEGRITY OF THE GROUNDING SYSTEM.



6 TYPICAL GROUND BUS DETAIL
E0.5 NOT TO SCALE

NOTES:

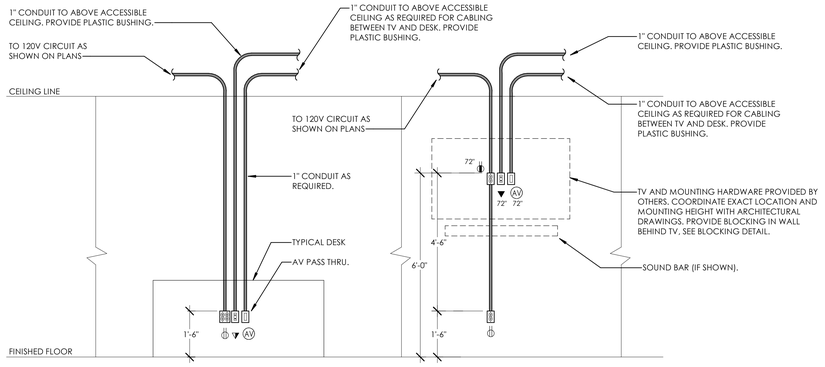
1. ALL GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH THE NEC AND UL STANDARDS.
2. ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
3. ALL GROUND ELECTRODES OR BONDING CONDUCTORS INSTALLED ALONE WITH A RACEWAY SHALL UTILIZE GRC WITH GROUNDING BUSHINGS AT EACH END. THIS GROUND CONDUCTOR SHALL LOOP THRU THE BUSHING LUG PRIOR TO TERMINATION.
4. LENGTH OF BUS SHALL BE AS REQUIRED BY THE NUMBER OF CONDUCTOR CONNECTIONS PLUS 25% SPARE CAPACITY SPACE OR AS SPECIFIED OTHERWISE.
5. BUS BARS OVER 20" IN LENGTH REQUIRE AT LEAST ONE ADDITIONAL 3-2/4" INSULATOR SUPPORT OR AS REQUIRED. BUS BARS OVER 4" WIDE REQUIRE INSULATORS AT ALL 4 CORNERS OR AS REQUIRED.



4 CONFERENCE OUTLET DETAIL
E0.5 NOT TO SCALE

NOTES:

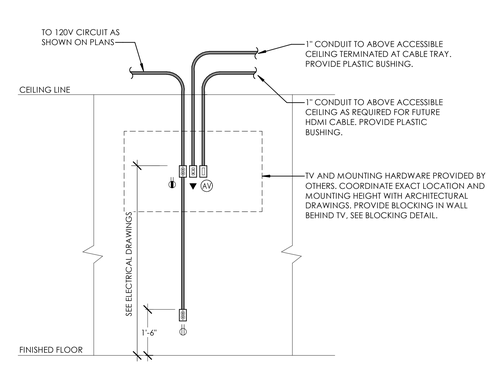
1. ALL CONDUITS, JUNCTION BOXES AND AV BOXES TO BE FURNISHED BY ELECTRICAL CONTRACTOR.
2. VERIFY HEIGHT OF DISPLAY WITH ARCHITECT AN OWNER PRIOR TO ROUGH-IN.
3. COORDINATE PLACEMENT OF RECESSED BOX LOCATION WITH EXPECTED BLOCKING AND NECESSARY TV MOUNTING BRACKETS.



5 TYPICAL OFFICE OUTLET DETAIL
E0.5 NOT TO SCALE

NOTES:

1. ALL CONDUITS, JUNCTION BOXES AND AV BOXES TO BE FURNISHED BY ELECTRICAL CONTRACTOR.
2. VERIFY HEIGHT OF DISPLAY WITH ARCHITECT AN OWNER PRIOR TO ROUGH-IN.
3. COORDINATE PLACEMENT OF RECESSED BOX LOCATION WITH EXPECTED BLOCKING AND NECESSARY TV MOUNTING BRACKETS.



7 TYPICAL TV/DISPLAY OUTLET DETAIL
E0.5 NOT TO SCALE

NOTES:

1. ALL CONDUITS, JUNCTION BOXES AND AV BOXES TO BE FURNISHED BY ELECTRICAL CONTRACTOR.
2. VERIFY HEIGHT OF DISPLAY WITH ARCHITECT AN OWNER PRIOR TO ROUGH-IN.
3. COORDINATE PLACEMENT OF RECESSED BOX LOCATION WITH EXPECTED BLOCKING AND NECESSARY TV MOUNTING BRACKETS.

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NEW CONSTRUCTION:

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ALABAMA LICENSED PROFESSIONAL ENGINEER MORGAN GARNER No. 26579 6/20/23

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

AUXILIARY RISER DIAGRAM, DETAILS & NOTES

E0.5

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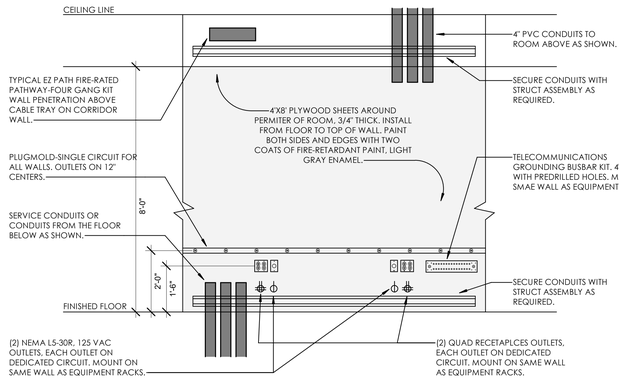
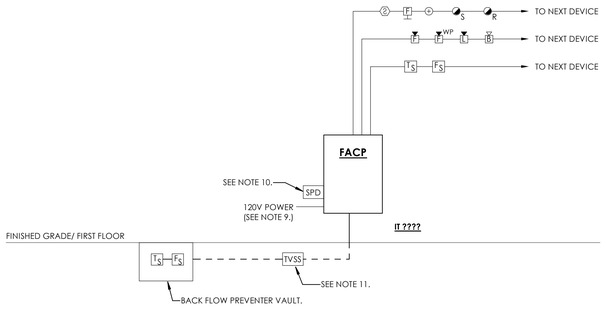


1 TYPICAL DATA ROOM BACKBOARD WALL ELEVATION
E0.6 NOT TO SCALE



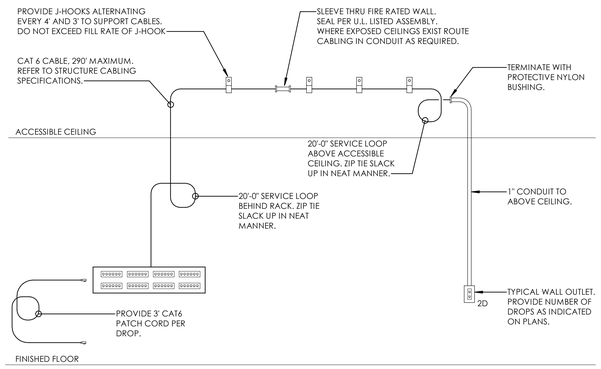
2 FIRE ALARM SYSTEM RISER DIAGRAM
E0.6 NOT TO SCALE

FIRE ALARM SYSTEM RISER DIAGRAM NOTES:

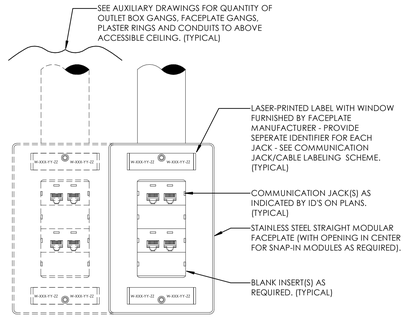
1. PROVIDE WIRING IN **RED** CONDUIT PER MANUFACTURER'S REQUIREMENTS.
2. SEE FLOOR PLAN FOR LOCATION AND QUANTITY OF DEVICES.
3. COORDINATE LOCATIONS AND CONNECTIONS OF HVAC SHUTDOWN RELAYS WITH HVAC/CONTROLS CONTRACTOR.
4. FIRE ALARM SYSTEM SHALL BE ADDRESSABLE.
5. IF NOT SHOWN ON FLOOR PLANS, PROVIDE 120 VOLT CIRCUIT FOR FIRE ALARM CONTROL PANEL POWER.
6. DEVICES SHALL BE RED WITH "ALARM" ENGRAVING TO COMPLY WITH FIRE ALARM USE.
7. FIRE ALARM SYSTEM SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION PER IBC 907.6.5.
8. ALL ACCESS CONTROLLED DOORS THAT ARE LOCKED AND A REQUIRED MEANS OF EGRESS SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM PER NFPA 72-21.9.
9. CIRCUIT BREAKER TO HAVE RED HANDLE AND IS TO BE LOCKABLE.
10. SURGE PROTECTION DEVICE AS REQUIRED WITH LOCKOUT KIT.
11. PROVIDE TRANSIENT VOLTAGE SURGE SUPPRESSION ON ALL COPPER CABLING LINES ENTERING THE BUILDING FOR THE FIRE ALARM SYSTEM.

FIRE ALARM SYSTEM GENERAL NOTES:

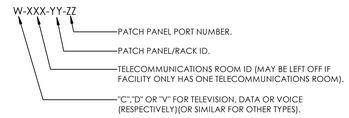
1. THE FIRE ALARM SYSTEM SHALL BE A COMPLETE SUPERVISED DETECTION AND ALARM SYSTEM. PROVIDE PRIMARY POWER CIRCUITS AND ALARM NOTIFICATION AND INITIATING CIRCUITS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
2. INSTALLATION SHALL COMPLY WITH ADA, NEC, NFPA, AND UL.
3. ALL SYSTEM COMPONENTS, ENCLOSURES, FRAMES, SURGE ARRESTORS, ETC., SHALL BE GROUNDED.
4. THE FIRE ALARM WIRING SYSTEM SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS FOR CLASS "B" SYSTEM AND AS FOLLOWS:
   PRIMARY POWER - 120V AC
   NOTIFICATION APPLIANCE CIRCUITS (NAC) - 24V DC
   SIGNALING LINE CIRCUIT (SLC) - 24V DC
5. ALL CLASS 'B' CIRCUITS SHALL BE INSTALLED SUCH THAT THE OUTGOING AND RETURN CONDUCTORS, EXITING FROM AND RETURNING TO THE CONTROL UNIT RESPECTIVELY, ARE ROUTED SEPARATELY AND NOT RUN IN THE SAME CABLE OR RACEWAY.
6. ALL EQUIPMENT AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, APPLICABLE STANDARDS AND ACCESSIBLE FOR VISUAL INSPECTION AND MAINTENANCE. WIRING DIAGRAMS SHALL BE SECURED FROM THE SYSTEM MANUFACTURER AND INSTALLED ACCORDINGLY TO MEET THE SPECIFIED TYPES.
7. A "CERTIFICATE OF COMPLETION" IN ACCORDANCE WITH NFPA 72 SHALL BE FURNISHED PRIOR TO FINAL ACCEPTANCE.
8. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND PROVIDING ALL FIRE ALARM DEVICE QUANTITIES FROM AUXILIARY DRAWINGS. DO NOT USE THIS RISER FOR DEVICE COUNTS.
9. PROVIDE ADDITIONAL NOTIFICATION APPLIANCE CIRCUIT PANELS, AMPLIFIERS, POWER SUPPLIES, ETC., FOR FUTURE CAPACITY TO HAVE SYSTEM WORK CORRECTLY AS ONE SYSTEM.
10. PROVIDE EMERGENCY BATTERIES CAPABLE OF RUNNING THE COMPLETE FIRE ALARM SYSTEM IN ALARM MODE.
11. ALL WIRING TO BE IN CONDUIT SIZED IN ACCORDANCE WITH NEC WITH A MINIMUM SIZE OF 3/4". ALL FIRE ALARM CONDUIT SHALL BE RED.
12. PROVIDE ALL FIRE ALARM JUNCTION BOXES WITH RED COVER, STENCIL THE LETTERS "FA" IN 2" HIGH LETTERS ON EACH BOX COVER.
13. FIRE ALARM SYSTEM PROVIDER IS RESPONSIBLE FOR PROVIDING SIGNAL LINE BOOSTERS AS REQUIRED FOR SYSTEM TO FUNCTION PROPERLY.
14. CONTRACTOR IS RESPONSIBLE FOR COORDINATED AND SCHEDULING THE BDA TEST DURING CONSTRUCTION, AN ALLOWANCE HAS BEEN SPECIFIED IN THE SPECS IN CASE THE BUILDING NEEDS A FULL BDA SYSTEM. ONCE DETERMINE, THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR GETTING THIS SYSTEM DESIGN AND INSTALLED PER THE NFPA AND IFC.



3 TYPICAL DATA DROP RISER DIAGRAM
E0.6 NOT TO SCALE

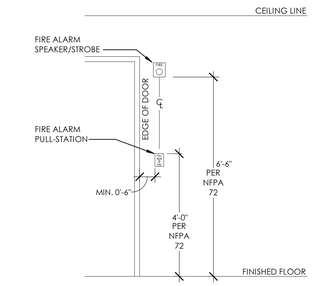


COMMUNICATION OUTLET ELEVATION



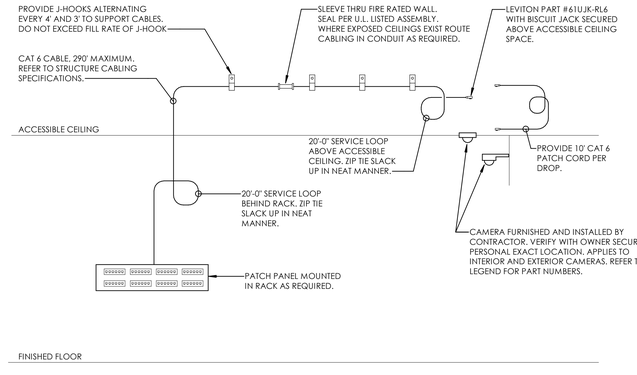
COMMUNICATION JACK/CABLE LABELING SCHEME

4 COMMUNICATIONS OUTLET DETAIL
E0.6 NOT TO SCALE

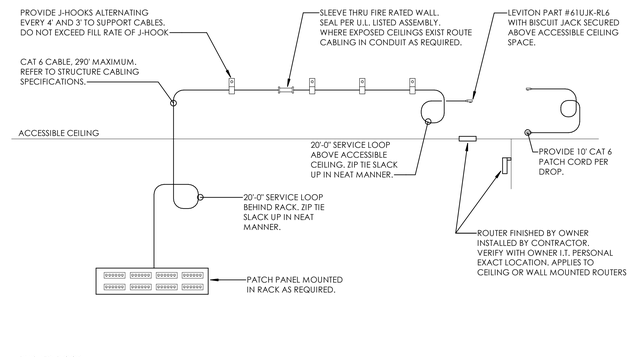


NOTES:
1. FIRE ALARM DEVICES SHALL BE MOUNTED PER NFPA 72. THE PULL STATION HANDLE SHALL BE MOUNTED BETWEEN 42" AND 48" ABOVE THE FINISH FLOOR. THE STROBE SHALL BE MOUNTED BETWEEN 80" AND 96" ABOVE THE FINISH FLOOR.
2. IF FIRE ALARM DEVICES ARE SHOWN IN THE MIDDLE OF A WALL ON THE FLOOR PLANS, THEN THE DOOR EDGE REQUIREMENTS DO NOT APPLY.
3. ALL CONFLICTS SHALL BE PRESENTED TO THE ARCHITECT FOR A RESOLUTION.

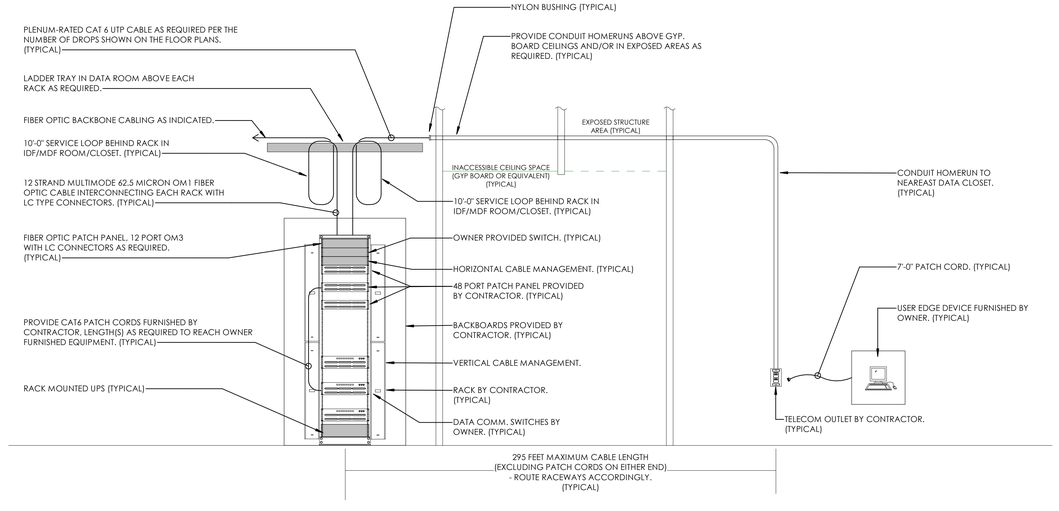
5 TYPICAL FIRE ALARM DEVICE INSTALLATION DETAIL
E0.6 NOT TO SCALE



6 TYPICAL CCTV CAMERA RISER
E0.6 NOT TO SCALE



7 TYPICAL WIRELESS ACCESS POINT RISER
E0.6 NOT TO SCALE



8 STRUCTURED CABLING TYPICAL WIRING DIAGRAM
E0.6 NOT TO SCALE

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Project No: 22-110

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205-792-6321

NEW CONSTRUCTION:
THE VILLAGE AT SAMFORD TRACE BUILDING 4 - SMARTBANK
1940 SAMFORD AVENUE
AUBURN, AL 36830

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 26579
6/20/23
MORGAN GARNER

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

FIRE ALARM RISER DIAGRAM, DETAILS & NOTES

E0.6

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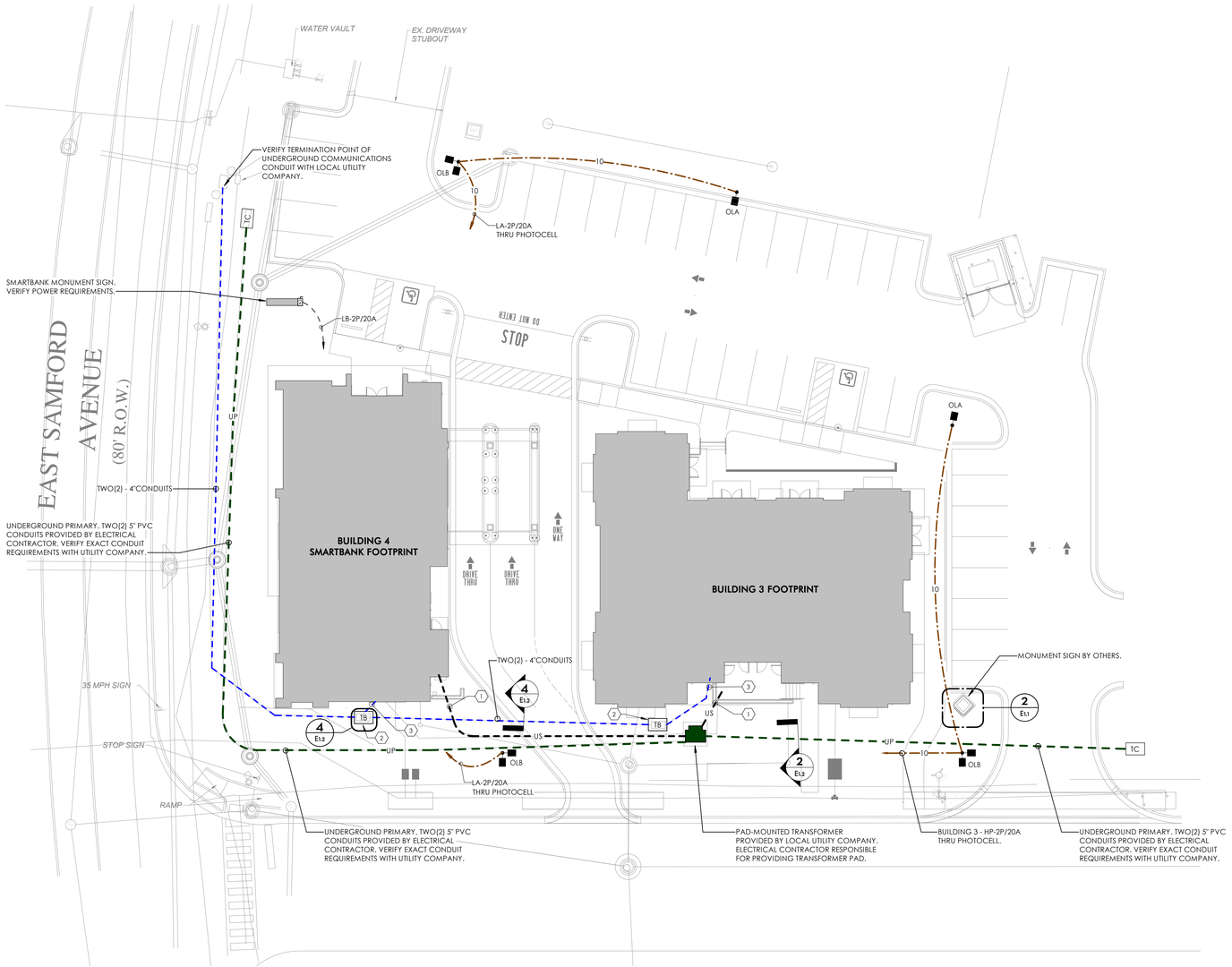
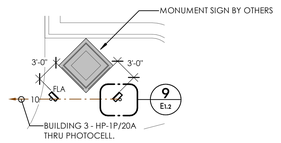
SITE LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	LAMP	MOUNTING	DESCRIPTION
FLA	HUBBELL	LSP-LSCS	LED 4000K	SLIPFITTER KNUCKLE	LED FLOODLIGHT WITH SLIPFITTER KNUCKLE MOUNT FOR BUILDING MONUMENT SIGN. OFFSET LIGHT FROM SIGN FOR BEST ILLUMINATION. 1900 LUMENS.
OLA	LITHONIA	DSX2 LED P4 40K T3M MVOLT SPA DDBXD	LED 4000K	POLE MOUNTED	SINGLE HOUSING MOUNTED AT 30'-0" ABOVE FINISHED GRADE WITH TYPE III DISTRIBUTION.
OLB	LITHONIA	DSX2 LED P4 40K T5M MVOLT SPA DDBXD	LED 4000K	POLE MOUNTED	DUAL HOUSINGS MOUNTED AT 90 DEGREES 30'-0" ABOVE FINISHED GRADE WITH TYPE V DISTRIBUTION.



TRUE NORTH / PROJECT NORTH

1 E1.1 SITE ELECTRICAL PLAN
1/16"=1'-0"



2 E1.1 MONUMENT SIGN LIGHTING PLAN
1/8"=1'-0"

LEGEND:

- UP — UNDERGROUND PRIMARY
- US — UNDERGROUND SECONDARY
- UNDERGROUND COMMUNICATION
- UNDERGROUND POWER CIRCUIT
- UNDERGROUND LIGHTING CIRCUIT
- SITE LIGHTING - POLE MOUNTED
- SITE LIGHTING - DUAL POLE MOUNTED
- SITE LIGHTING - FLOOD LIGHT
- PB — PULL BOX - ELECTRIC
- TB — PULL BOX - TELECOMMUNICATIONS
- LP — PULL BOX - LIGHTING
- PAD-MOUNTED TRANSFORMER

KEYED NOTES:

1. UNDERGROUND SECONDARY CONDUIT FROM PAD MOUNTED TRANSFORMER. SEE RISER DIAGRAM FOR CONDUCTOR REQUIREMENTS.
2. INSTALL 3' x 5' x 3' IN-GRADE COMMUNICATION QUAZITE JUNCTION BOX WITH TIER 15 RATING. VERIFY EXACT LOCATION WITH OWNER/SERVICE PROVIDER PRIOR TO INSTALLATION.
3. UNDERGROUND COMMUNICATION FEED FROM IN-GRADE QUAZITE BOX TO CONDUIT STUB-OUTS AT BUILDING TWO(2) 4" PVC CONDUITS.

SITE ELECTRICAL PLAN NOTES:

1. ALL PVC CONDUIT SHALL BE SCHEDULE 40 WITH LONG RADIUS SWEEPS AND BENDS.
2. UNDERGROUND CONDUIT SHALL TURN UP AT THE BASE OF EACH RISER POLE TO BE CONTINUED BY UTILITY COMPANY.
3. UNDERGROUND CONDUIT SHALL HAVE PULL STRINGS INSTALLED AND READILY ACCESSIBLE ON EACH END OF THE UNDERGROUND CONDUIT. PULL STRINGS SHALL BE EQUAL TO 1250# MULE TAPE.
4. ENSURE A MINIMUM SEPARATION OF 12" BETWEEN UNDERGROUND POWER AND UNDERGROUND COMMUNICATIONS UTILITIES. UNDERGROUND COMMUNICATIONS UTILITIES SHALL NOT BE BURIED DIRECTLY ABOVE UNDERGROUND POWER.
5. COORDINATION INSTALLATION OF NEW UTILITIES WITH EXISTING UTILITIES AND ANY OTHER UTILITIES NOT SHOWN. ALL EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY.
6. ALL INSTALLATION INSTRUCTIONS REQUIRE MATERIAL PROVISIONS BY CONTRACTOR UNLESS NOTED OTHERWISE.
7. VOLTAGE DROP FOR FEEDER CONDUCTORS ARE CALCULATED WITH CONSIDERATION IN ROUTING AROUND FIELDS. IF BORING STRAIGHT FROM POLE TO PANEL, ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR CALCULATING VOLTAGE DROP, AVOIDING ALL OTHER UTILITIES, AND MUST ADJUST ACCORDINGLY.
8. ALL IN-GRADE PRIMARY PULL BOXES SHALL BE FURNISHED BY ALABAMA POWER AND CONTRACTOR INSTALLED.

ALABAMA 811 Know what's below. Call before you dig.

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NEW CONSTRUCTION:
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1940 SAMFORD AVENUE
AUBURN, AL 36830

ALABAMA LICENSED No. 35579 PROFESSIONAL 6/20/23 ENGINEER MORGAN GARNER

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

SITE ELECTRICAL PLAN

E1.1

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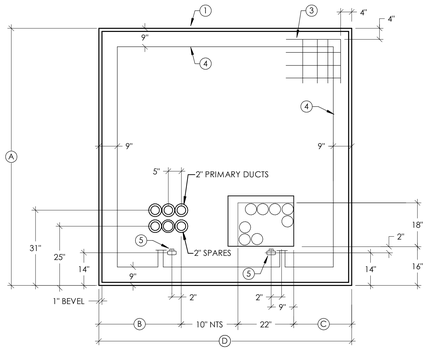
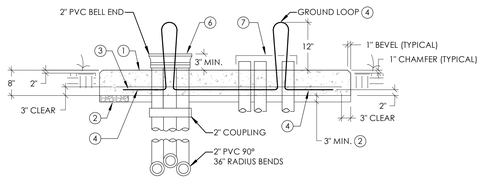
DIMENSIONS

208 OR 480 VOLT	A	B	C	D
75-500 KVA	90"	24"	16"	72"
750-2000 KVA	144"	36"	28"	96"



PLAN VIEW



SECTION VIEW

1 E1.2 TYPICAL TRANSFORMER PAD INSTALLATION DETAIL

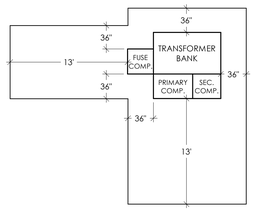
NOT TO SCALE

KEYED NOTES: (#)

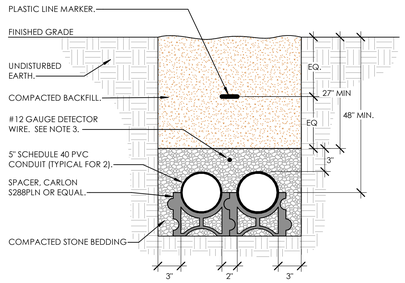
1. CONCRETE PAD. CONCRETE TO DEVELOP 3000 PSI COMPRESSIVE STRENGTH WITHIN 28 DAYS. OMIT 1 INCH BEVEL ON ALL EDGES FLUSH WITH OTHER CONCRETE WORK. SEE ARCHITECTURAL PAD DETAILS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. COMPACTED GRAVEL FILL. PAD SHOULD BE POURED AGAINST A 3 INCH MINIMUM COMPACTED GRAVEL FILL THAT IS PLACED ON WELL COMPACTED EARTH. SEE ARCHITECTURAL PAD DETAILS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
3. #4 REBAR (GRADE 60) EQUALLY SPACE 6" EACH WAY.
4. #2/0 STRANDED BARE COPPER, CONTINUOUS GROUND BUS. TWO 3/4 INCH x 10 FOOT GALVANIZED GROUND RODS AND #2/0 COPPER GROUND BUS WIRE TO BE FURNISHED AND INSTALLED BY CONTRACTOR.
5. 3/4" (19.05mm) x 10'-0"(3.08m) GROUND ROD. TWO 3/4 INCH x 10 FOOT GALVANIZED GROUND RODS AND #2/0 COPPER GROUND BUS WIRE TO BE FURNISHED AND INSTALLED BY CONTRACTOR.
6. PRIMARY DUCTS - 2" PVC.
7. SECONDARY DUCTS. PROVIDE GROUNDING BUSHINGS ON EACH AND A CONTINUOUS GROUND BONDING CONDUCTOR.

GENERAL NOTES:

1. THIS DETAIL IS TYPICAL ONLY. COORDINATE ACTUAL DIMENSIONS & REQUIREMENTS WITH THE UTILITY & ACTUAL TRANSFORMER TO BE FURNISHED.
2. SECONDARY AND METERING DUCT ENTRANCES MUST BE KEPT WITHIN THE BOUNDARY LINES SHOWN. NUMBER AND LOCATION OF SECONDARY DUCTS TO BE DETERMINED BY DIXIE ELECTRIC COOPERATIVE REPRESENTATIVE BEFORE PAD IS POURED. DIXIE ELECTRIC COOPERATIVE WILL DETERMINE CONDUIT SPACING.
3. FOR CLEARANCE TO OTHER STRUCTURES SEE MINIMUM CLEARANCE REQUIREMENTS. THERE SHALL BE NO ABOVE GROUND OBSTRUCTIONS SUCH AS FENCES, SHRUBS, PLANTS, GAS METERS, AIR CONDITIONERS, ETC. WITHIN 10 FEET OF THE FRONT OF THE TRANSFORMER OR WITHIN 3 FEET OF THE SIDES OR BACK.
4. CONTRACTOR SHALL COORDINATE WITH DIXIE ELECTRIC COOPERATIVE'S ENGINEERING DEPARTMENT FOR FURTHER REQUIREMENTS AND SPECIFICATIONS PRIOR TO CONSTRUCTION OF PAD.



MINIMUM CLEARANCE REQUIREMENTS

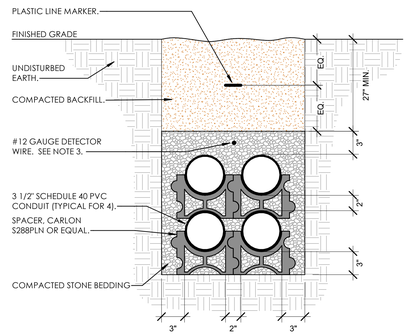


2 E1.2 PRIMARY POWER DUCT BANK DETAIL

NOT TO SCALE

NOTES:

1. PLASTIC LINE MARKER SHALL BE RED WITH BLACK WRITING THAT READS "WARNING HIGH VOLTAGE".
2. VERIFY CONDUIT DEPTHS WITH LOCAL UTILITY COMPANY.
3. DETECTOR WIRE SHALL HAVE A CONTINUOUS OUTER PROTECTIVE JACKET AND MARKED WITH 3 PURPLE STRIPES ON EACH END AND A LABEL MARKED "DETECTOR WIRE".

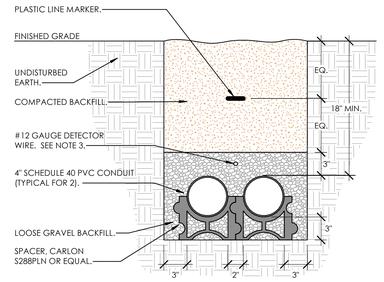


3 E1.2 SECONDARY POWER DUCT BANK DETAIL

NOT TO SCALE

NOTES:

1. PLASTIC LINE MARKER SHALL BE RED WITH BLACK WRITING THAT READS "WARNING HIGH VOLTAGE".
2. VERIFY CONDUIT DEPTHS WITH LOCAL UTILITY COMPANY.
3. DETECTOR WIRE SHALL HAVE A CONTINUOUS OUTER PROTECTIVE JACKET AND MARKED WITH 3 PURPLE STRIPES ON EACH END AND A LABEL MARKED "DETECTOR WIRE".

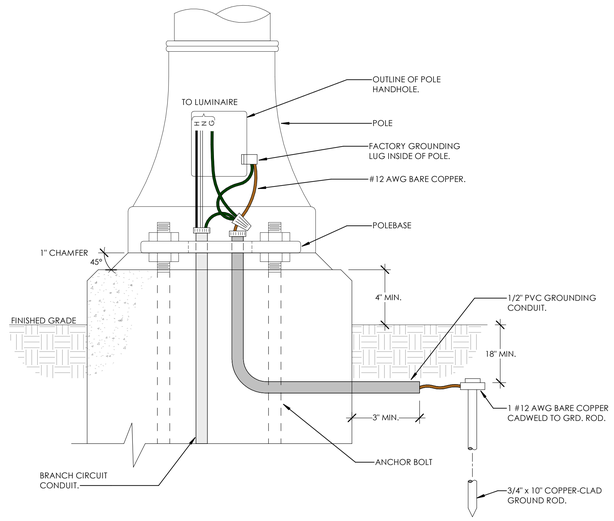


4 E1.2 COMMUNICATIONS DUCT BANK DETAIL

NOT TO SCALE

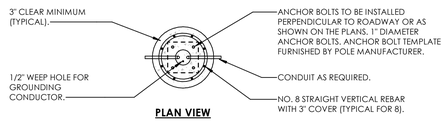
NOTES:

1. PLASTIC LINE MARK SHALL BE YELLOW WITH WRITING THAT READS "CAUTION - COMMUNICATIONS".
2. VERIFY CONDUIT DEPTHS WITH LOCAL UTILITY.
3. DETECTOR WIRE SHALL HAVE A CONTINUOUS OUTER PROTECTIVE JACKET AND MARKED WITH THREE (3) PURPLE STRIPES ON EACH END AND A LABEL MARKED "DETECTOR WIRE"

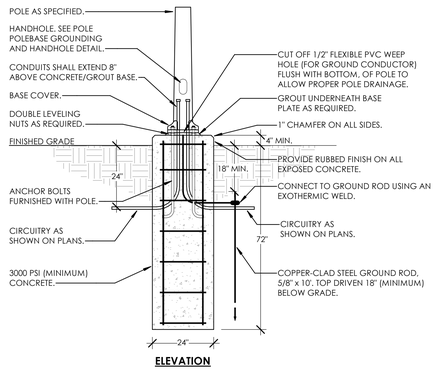


5 E1.2 POLEBASE GROUNDING & HANDHOLE DETAIL

NOT TO SCALE



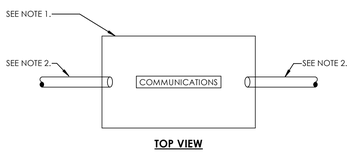
PLAN VIEW



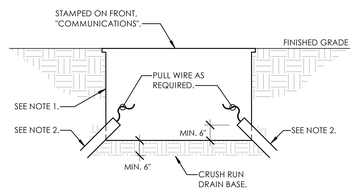
ELEVATION

6 E1.2 TYPICAL POLEBASE DETAIL

NOT TO SCALE



TOP VIEW



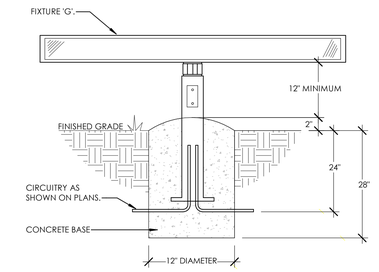
SIDE VIEW

7 E1.2 COMMUNICATIONS PULL BOX DETAIL

NOT TO SCALE

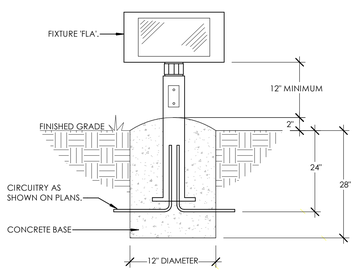
NOTES:

1. 3' x 5' x 3' QUAZITE POLYMER CONCRETE, TIER 15 RATED, IN-GRADE PULL BOX WITH CRUSH RUN DRAIN BASE.
2. TYPICAL CONDUIT, 45 DEGREES UP TOWARDS THE ENDS AND 6" ABOVE GRAVEL BASE.



8 E1.2 GRADE MOUNTED FLOOD LIGHT DETAIL - G

NOT TO SCALE



9 E1.2 GRADE MOUNTED FLOOD LIGHT DETAIL - FLA

NOT TO SCALE

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Maellis.architect@gmail.com
205-792-6321

NEW CONSTRUCTION:

THE VILLAGE AT SAMFORD TRACE BUILDINGS 3 & 4

1940 SAMFORD AVENUE
AUBURN, AL 36830

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

SITE ELECTRICAL DETAILS

E1.2

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Project No: 22-110

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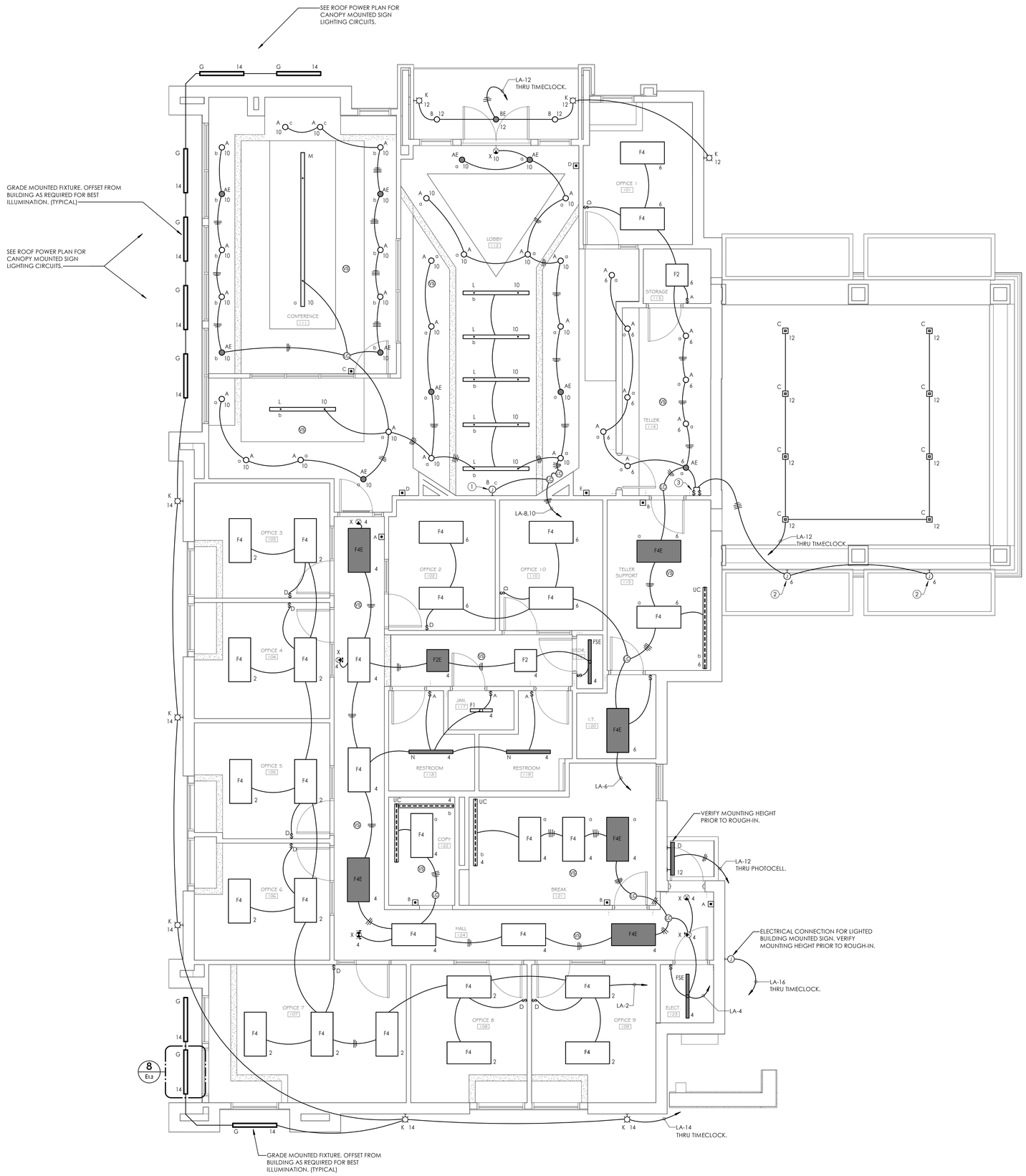

1 E2.1 LIGHTING PLAN

1/4" = 1'-0"

TRUE NORTH PROJECT NORTH

0' 2' 4' 8'

KEYED NOTES:

1. ELECTRICAL CONNECTION FOR INTERIOR BACK-LIT SIGN. VERIFY EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH-IN.
2. ELECTRICAL CONNECTION FOR DRIVE-THRU LANE OPEN/CLOSED SIGN. SIGNS TO BE CENTERED ABOVE OPENINGS AT 24" ABOVE METAL CANOPIES. VERIFY MOUNTING HEIGHT PRIOR TO ROUGH-IN.
3. SWITCHES FOR DRIVE-THRU LANE OPEN/CLOSED SIGNS.

GENERAL LIGHTING NOTES:

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATIONS AND CEILING TYPES.
2. REFER TO POWER PLAN FOR ELECTRICAL PANEL AND LIGHTING CONTROL PANEL LOCATIONS.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE SWITCH LOCATION WITH DOOR SWINGS BEFORE ROUGH IN.
4. ALL AREAS SHALL BE CONTROLLED WITH MANUAL ON/OFF SWITCHING AND BE TIMED OFF OR BE CONTROLLED WITH OCCUPANCY SENSORS.
5. ALL 120 VOLT CIRCUITS MORE THAN 75' LONG FROM PANEL TO FIRST FIXTURE SHALL BE MINIMUM OF #10 AWG COPPER CONDUCTORS.
6. ALL EXTERIOR LIGHTS SHALL BE CONTROLLED AS NOTED ON DRAWINGS.
7. ROOMS WITH ELECTRICAL PANELS SHALL NOT BE AUTOMATICALLY CONTROLLED.
8. LIGHTS IN MECHANICAL ROOMS SHALL BE ADJUSTED AS REQUIRED TO AVOID CONFLICTS WITH DUCT WORK AND BEST LIGHT THE SPACE.
9. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOW VOLTAGE LIGHTING CONTROL CABLING ALTHOUGH NOT SPECIFICALLY SHOWN ON PLANS. LIGHTING CONTROL MANUFACTURER SHALL PROVIDE LAYOUT OF CABLING WITH THEIR SUBMITTALS.
10. CONTRACTOR SHALL LOCATE ALL ROOM CONTROLLERS ABOVE DOORS IN EACH ROOM 6" ABOVE CEILING GRID. PROVIDE ACCESS PANELS WHERE LOCATED ABOVE HARD CEILINGS OR MOUNT IN ADJACENT UTILITY TYPE ROOM WHENEVER POSSIBLE. ROOM CONTROLLERS SHOWN ON PLAN IS DIAGRAMMATIC FOR CIRCUITRY. DO NOT USE THESE FOR ACTUAL LOCATIONS. PROVIDE A WHITE PHENOLIC LABEL WITH 1" BLACK TEXT THAT READS "LC" GLUED ON CEILING GRID UNDER POWER PACK FOR EACH LOCATION FOR FUTURE MAINTENANCE.

LIGHTING CONTROL NOTES:

1. PROVIDE COMPLETE LIGHTING CONTROL SYSTEM AS NOTED AND AS SHOWN ON DRAWINGS.
2. ALL SENSORS SHALL BE LOCATED BY MANUFACTURER TO ACCOMPLISH EXACT REQUIREMENTS FOR SENSOR.
3. ALL LIGHTING CONTROLS SHALL BE "MANUAL ON" EXCEPT FOR CORRIDORS AND EXTERIOR AT DOORWAYS.
4. FURNISH AND INSTALL ALL LOW VOLTAGE LIGHTING CONTROL WIRING BETWEEN ROOM CONTROLLER, SENSORS, AND WALL SWITCHES. WHERE DIMMING OF FIXTURES IS REQUIRED, PROVIDE 0-10 VOLT CABLING AS REQUIRED TO EACH FIXTURE. REFER TO TYPICAL ROOM LIGHTING CONTROL WIRING DIAGRAM.
5. SHOP DRAWINGS MUST BE SUBMITTED AND SHALL INCLUDE SENSOR LOCATIONS AND WIRING LAYOUTS. MANUFACTURER SHALL INCLUDE AT LEAST THREE (3) ON-SITE MEETINGS WITH CONTRACTOR: 1) PRE-INSTALL - AFTER SHOP DRAWINGS ARE APPROVED AND BEFORE ANY WORK BEGINS, 2) START-UP - AFTER WORK IS COMPLETE AND PRIOR TO FINAL INSPECTION. 3) FINAL CHECK- AFTER FINAL INSPECTION IS COMPLETED. OWNER TRAINING.
6. MANUFACTURER SHALL PROVIDE WRITTEN REPORT AS TO FUNCTIONAL TESTING AFTER SYSTEM IS COMPLETE. REPORT MUST BE SIGNED BY FIELD TECHNICIAN AND MUST STATE THAT CONTROLS ARE INSTALLED, CALIBRATED, ADJUSTED, PROGRAMMED, AND IN PROPER WORKING CONDITION AS WELL AS DOCUMENTING THAT THE LIGHTING PERFORMS CORRECTLY TO THE INTENDED OPERATION. REPORT MUST ALSO INDICATE, BY OWNER'S SIGNATURE, THAT ALL CONTROLS HAVE BEEN COORDINATED WITH OWNER.
7. PROVIDE WIRELESS CONFIGURATION TOOL FOR PROGRAMMING LIGHTING CONTROLS AS REQUIRED.
8. EMERGENCY LIGHTS IN CORRIDORS ARE INTENDED TO BE 24/7 NIGHT LIGHTS. EMERGENCY LIGHTS IN ALL OTHER ROOMS ARE INTENDED TO OPERATE THE SAME AS ALL OTHER LIGHTS DURING NORMAL OPERATION AND GO TO 100% FULL POWER IN EMERGENCY OPERATION.
9. INTERIOR LIGHTING CONTROLLED BY A TIMED SENSOR SHALL FLASH ONE MINUTE PRIOR TO SHUT OFF. SYSTEM SHALL ALLOW LOCAL OVERRIDE OF AUTOMATIC SHUT OFF FOR UP TO 2 HOURS.
10. OCCUPANCY SENSORS SHALL BE VACANCY TYPE WITH DUAL TECHNOLOGY DETECTION AND 30 MINUTE CUTOFF TIME.
11. OCCUPANCY SENSOR MANUFACTURER PROVIDER WILL BE RESPONSIBLE FOR SIZING THE OCCUPANCY SENSORS IN EACH SPACE. PROVIDE THIS SIZING TO THE ENGINEER DURING SUBMITTAL PHASE FOR APPROVAL. PROVIDE ADDITIONAL OCCUPANCY SENSORS AS REQUIRED TO FULLY COVER ALL SPACES. IF ADDITIONAL OCCUPANCY SENSORS OR ANY OTHER EQUIPMENT IS REQUIRED IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND INSTALL. IT WILL BE THE CONTRACTOR RESPONSIBILITY TO COORDINATE THIS WITH LIGHTING MANUFACTURER PRIOR TO BIDS AND COVER THE COST OF ALL MATERIAL AND LABOR FOR ANY ADDITIONAL OCCUPANCY SENSORS.
12. ALL OCCUPANCY SENSORS LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR EXACT MOUNTING AND SPACING REQUIREMENTS PRIOR TO INSTALLATION.
13. ULTRASONIC CEILING MOUNTED OCCUPANCY SENSORS SHALL BE LOCATED A MINIMUM OF SIX (6) FEET FROM HVAC SUPPLY / RETURN VENTS.
14. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR OCCUPANCY SENSORS. FOLLOWING THE MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
OCCUPANCY SENSORS MOUNTED OVER DOORWAYS SHALL BE ONE (1) FOOT INSIDE THRESHOLD.
15. LIGHTING CONTROL SYSTEM IS SPECIFIED AROUND HUBBELL AUTOMATION SYSTEM. CONTRACTOR SHALL PROVIDE ALL MATERIALS, DEVICES, WIRING, CONNECTIONS, AND PROGRAMMING NEEDED IF ANY OTHER LIGHTING CONTROL SYSTEM IS SUBMITTED FOR APPROVAL AND IS APPROVED.
16. CONTRACTOR SHALL GROUND ALL JUNCTION BOXES CONTAINING LOW VOLTAGE SWITCHES OR ANY OTHER LIGHTING CONTROL DEVICE WITH #12 GROUND.
17. PROVIDE A UL924 DEVICE FOR THE LIGHTING CONTROLS SUCH THAT UPON POWER LOSS THE LOCAL CONTROLS IS BYPASSED TO ALLOW THE EMERGENCY LIGHTS TO ILLUMINATE 100%. ALL EMERGENCY LIGHTS.
18. WATT STOPPER AND N-LIGHT ARE APPROVED EQUALS.

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NEW CONSTRUCTION:

THE VILLAGE AT SAMFORD TRACE BUILDING 4 - SMARTBANK

1940 SAMFORD AVENUE
AUBURN, AL 36830

ALABAMA LICENSED No. 30078 PROFESSIONAL 6/20/23 ENGINEER MORGAN GARNER

JOB No. 23001

REVISION SCHEDULE

No.	Description	Date

LIGHTING PLAN

E2.1

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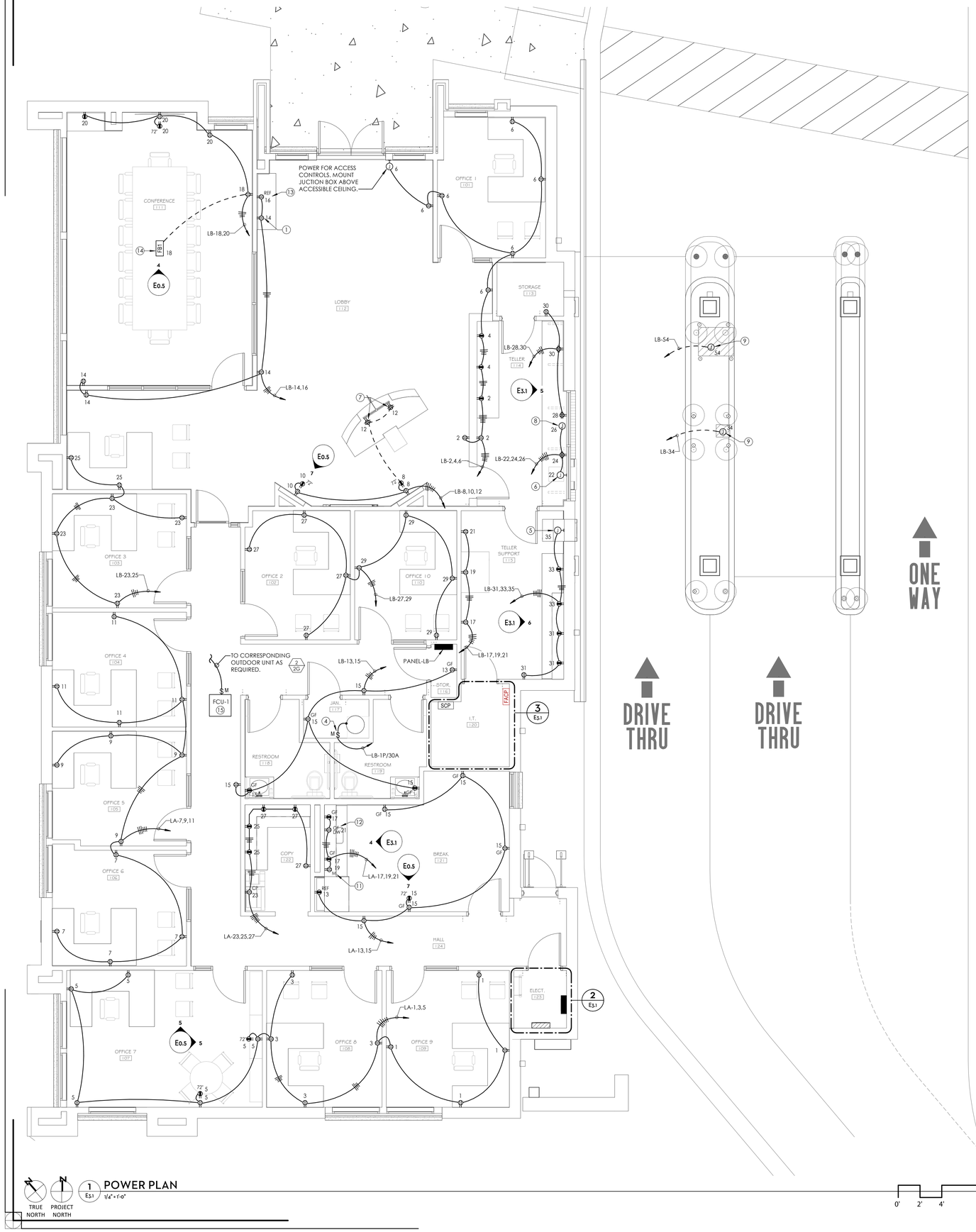
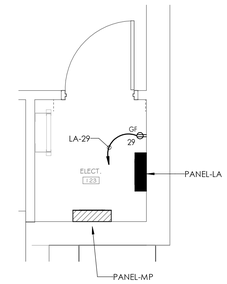


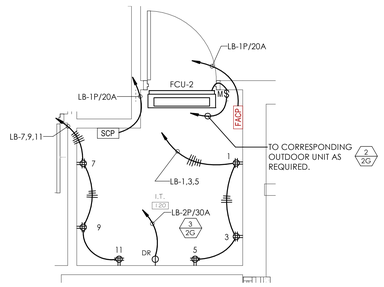
1 POWER PLAN
E3.1 1/4" = 1'-0"

TRUE NORTH | PROJECT NORTH

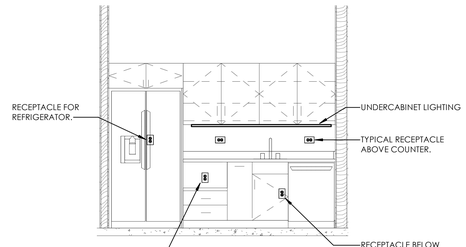
0' 2' 4' 8'



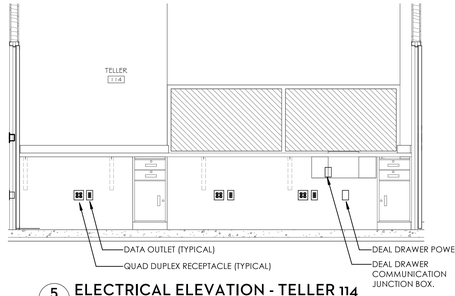
2 ELECT. 123 - POWER PLAN
E3.1 3/8" = 1'-0"



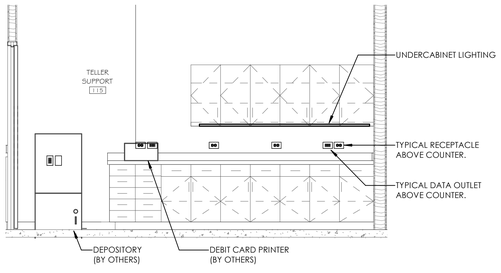
3 IT 120 - POWER PLAN
E3.1 3/8" = 1'-0"



4 ELECTRICAL ELEVATION - BREAK 121
E3.1 3/8" = 1'-0"



5 ELECTRICAL ELEVATION - TELLER 114
E3.1 3/8" = 1'-0"



6 ELECTRICAL ELEVATION - TELLER SUPPORT 115
E3.1 3/8" = 1'-0"

SHEET NOTES:

1. COORDINATE THE LOCATION OF ALL DESKS, TV, AND PRINTER RECEPTACLES WITH THE FURNITURE PLAN/ ARCHITECT PRIOR TO INSTALLATION.
2. ALL 120 VOLT CIRCUITS MORE THAN 75' LONG FROM PANEL TO FIRST OUTLET SHALL BE MINIMUM OF #10 AWG COPPER CONDUCTORS.

KEYED NOTES: (#)

1. RECEPTACLE LOCATED IN CASEWORK FOR COUNTEROP APPLIANCE. COORDINATE LOCATION OF RECEPTACLE WITH COUNTERTOP GROMMETS PRIOR TO ROUGH-IN.
2. LOCATE MOTOR RATED TOGGLE SWITCH ADJACENT TO FAN COIL UNIT (FCU) AND MAKE CONNECTION AS REQUIRED.
3. TO CORRESPONDING OUTDOOR UNIT PER THE MANUFACTURER'S RECOMMENDED WIRING INSTRUCTIONS.
4. ELECTRICAL CONNECTION FOR WATER HEATER. MOUNT MOTOR RATED SWITCH ADJACENT TO WATER HEATER.
5. SINGLE GANG JUNCTION BOX FOR DEPOSITORY POWER CONNECTION. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
6. ELECTRICAL CONNECTION FOR DEAL DRAWER. MAKE CONNECTION AS REQUIRED.
7. QUAD DUPLEX RECEPTACLES LOCATED INSIDE MILLWORK. COORDINATE REQUIREMENTS WITH TENANT PRIOR TO ROUGH-IN.
8. ELECTRICAL CONNECTION FOR PNEUMATIC TUBE SYSTEM TELLER UNIT. JUNCTION BOX LOCATED ABOVE ACCESSIBLE CEILING.
9. ELECTRICAL CONNECTION FOR PNEUMATIC TUBE SYSTEM CUSTOMER UNIT. PROVIDE 120V ELECTRICAL CIRCUIT AND 3/4" CONDUIT AS REQUIRED.
10. ELECTRICAL CONNECTION FOR ATM MACHINE. PROVIDE A DEDICATED 25A, 120V ELECTRICAL CIRCUIT AND 1" CONDUIT AS REQUIRED.
11. MICROWAVE LOCATED BELOW COUNTER IN CASEWORK. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
12. DISHWASHER RECEPTACLE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. VERIFY EQUIPMENT IS PROVIDED WITH CORD AND PLUG.
13. REFRIGERATOR LOCATED BELOW COUNTER IN CASEWORK. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
14. VERIFY EXACT LOCATION OF FLOORBOX WITH ARCHITECT PRIOR TO ROUGH-IN.
15. FCU-1 LOCATED ABOVE ACCESSIBLE CEILING. MOUNTED MOTOR RATED SWITCH ADJACENT TO UNIT AS REQUIRED

MECHANICAL EQUIPMENT NOTES:

1. COORDINATE WITH MANUFACTURER'S CUTSHEETS OR NAMEPLATE DATA AND ADJUST OVERCURRENT PROTECTION AS NEEDED TO PROTECT EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND TO COMPLY WITH N.E.C. AND LOCAL CODES.
2. ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE.
3. ALL FUSES SHALL BE SIZED PER NAMEPLATE DATA.
4. MOUNT MANUAL MOTOR START SWITCH NEAR UNIT, ABOVE ACCESSIBLE CEILING SPACE OR 48" A.F.F. TO THE TOP OF THE BOX AND LABEL AS REQUIRED.
5. VERIFY ALL EQUIPMENT ELECTRICAL SIZE REQUIREMENTS PRIOR TO ORDERING EQUIPMENT.

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No.	Description	Date

POWER PLAN

E3.1

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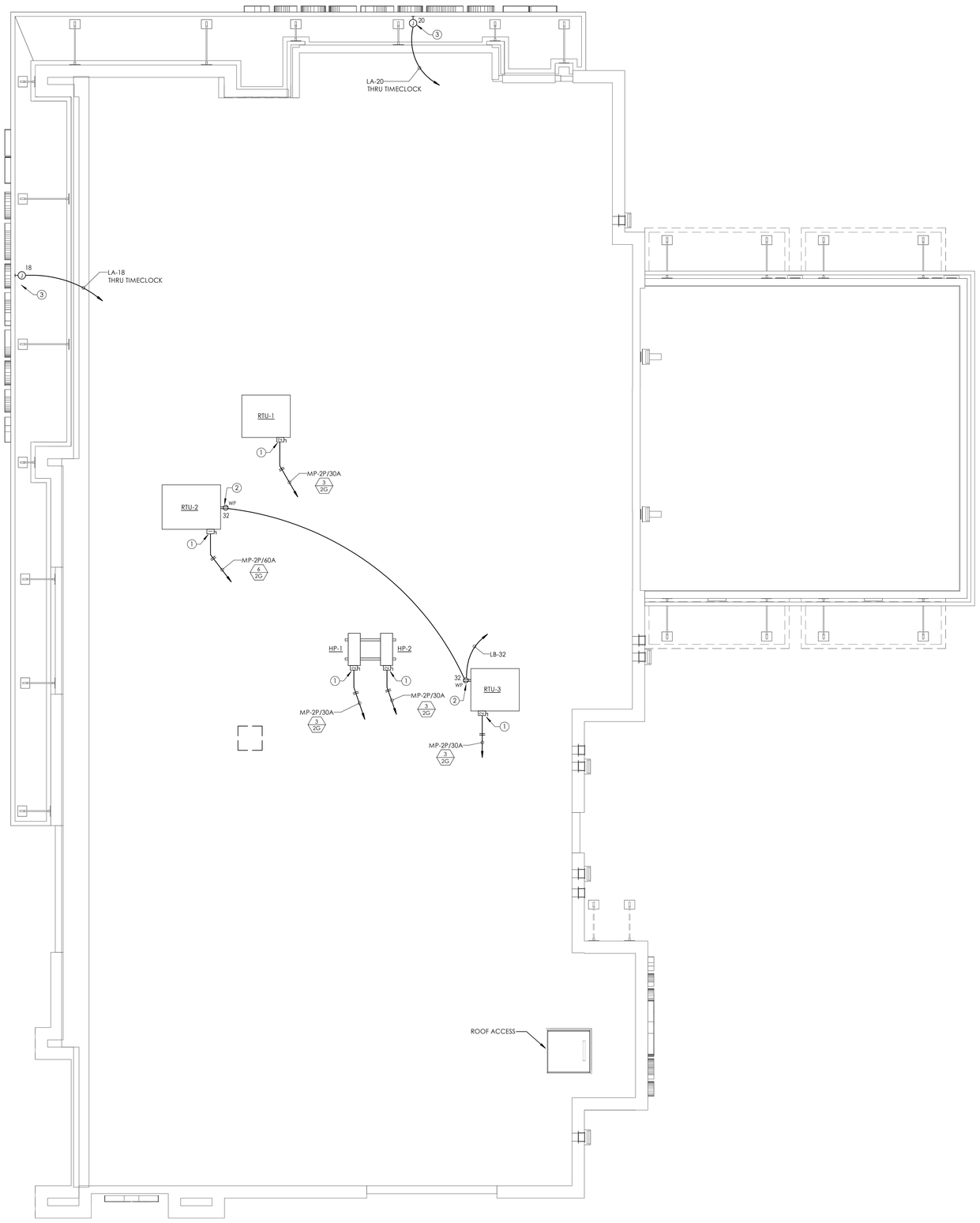

1 ROOF POWER PLAN
E3.2 1/4" = 1'-0"

TRUE NORTH

PROJECT NORTH

0' 2' 4' 8'

KEYED NOTES:

1. PROVIDE UNISTRUT STRUCTURE FOR MOUNTING DISCONNECT AS REQUIRED.
2. RECEPTACLE MOUNTED ON ROOF ADJACENT TO MECHANICAL EQUIPMENT.
3. ELECTRICAL CONNECTION FOR CANOPY MOUNTED BACK-LIT SIGN. VERIFY ELECTRICAL REQUIREMENTS PRIOR TO ROUGH-IN.

MECHANICAL EQUIPMENT NOTES:

1. COORDINATE WITH MANUFACTURER'S CUTSHEETS OR NAMEPLATE DATA AND ADJUST OVERCURRENT PROTECTION AS NEEDED TO PROTECT EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND TO COMPLY WITH N.E.C. AND LOCAL CODES.
2. ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE.
3. ALL FUSES SHALL BE SIZED PER NAMEPLATE DATA.
4. MOUNT MANUAL MOTOR START SWITCH NEAR UNIT, ABOVE ACCESSIBLE CEILING SPACE OR 48" A.F.F. TO THE TOP OF THE BOX AND LABEL AS REQUIRED.
5. VERIFY ALL EQUIPMENT ELECTRICAL SIZE REQUIREMENTS PRIOR TO ORDERING EQUIPMENT.

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NEW CONSTRUCTION:

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AUBURN, AL 36830

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REVISION SCHEDULE

No.	Description	Date

ROOF POWER PLAN

E3.2

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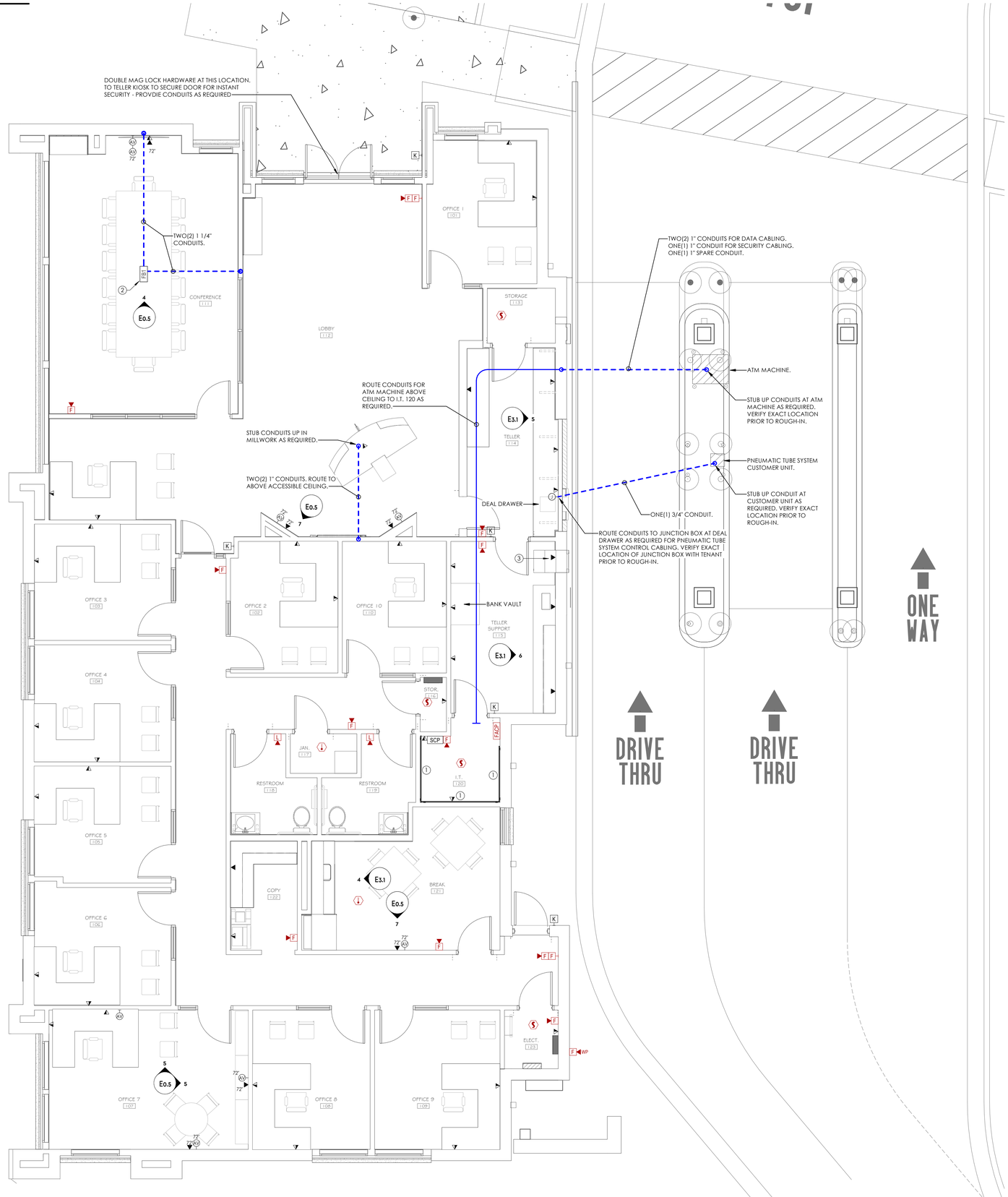

1 AUXILIARY PLAN
E4.1 1/4" = 1'-0"

TRUE NORTH PROJECT NORTH

0' 2' 4' 8'

KEYED NOTES:

1. AUXILIARY SYSTEMS BACKBOARD, 8' TALL FIRE-RATED 3/4" PLYWOOD, LENGTH AS SHOWN. PAINTED ON ALL SIDES AND EDGES WITH AT LEAST TWO COATS OF GRAY PAINT.
2. VERIFY EXACT LOCATION OF FLOORBOX WITH ARCHITECT PRIOR TO ROUGH-IN.
3. DEPOSITORY. PROVIDE 3/4" CONDUITS AS REQUIRED. REFER TO ARCHITECTURAL BANK EQUIPMENT DRAWINGS.

AUXILIARY PLAN NOTES:

1. STRUCTURED CABLING SYSTEM BY CONTRACTOR.
2. FIRE ALARM CONTRACTOR SHALL BE PERMITTED THROUGH THE STATE OF ALABAMA FIRE MARSHALL'S OFFICE.
3. CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRING IN CONDUIT FOR FIRE ALARM SYSTEM ALTHOUGH NOT SPECIFICALLY SHOWN ON DRAWING. FIRE ALARM DEVICES AND EQUIPMENT ARE SHOWN AND MUST BE PROPERLY CONNECTED TO PROVIDE A COMPLETE WORKING SYSTEM. WIRING AND ZONING SHALL BE AS RECOMMENDED BY MANUFACTURER.
4. FIRE ALARM SYSTEM SHALL BE TESTED AND CERTIFIED.
5. VERIFY EXACT LOCATION OF ALL DEVICES IN WITH ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH ARCHITECT'S INTERIOR ELEVATIONS AND SECTIONS TO LOCATE DEVICES.
6. ALL CEILING MOUNTED DEVICES SHALL BE MOUNTED IN THE CENTER OF CEILING TILES. SEE ARCHITECTURAL REFLECTED CEILING PLANS.
7. SEE ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL DEVICES.
8. ALL TV OUTLETS ARE TO BE CENTERED ON WALLS. SEE MOUNTING DETAILS.
9. VERIFY EXACT LOCATION OF ALL CCTV EQUIPMENT WITH SECURITY CONTRACTOR.
10. PROVIDE J-HOOKS ABOVE ACCESSIBLE CORRIDOR CEILINGS AS REQUIRED FOR AUXILIARY SYSTEMS RACEWAY.
11. ALL WIRELESS ACCESS POINTS SHALL HAVE 15' OF SLACK CONDUCTOR ROLLED UP ABOVE ACCESSIBLE CEILING FOR THE OWNER TO BE ABLE TO MODIFY THE POSITION OF THE EQUIPMENT.
12. ALL AUDIO VISUAL EQUIPMENT BY OWNER. CONTRACTOR SHALL VERIFY ALL BOX LOCATIONS AND REQUIREMENTS PRIOR TO ROUGH-IN WITH OWNER'S AV PROVIDER.
13. ACCESS CONTROL EQUIPMENT BY OWNER. CONTRACTOR SHALL VERIFY ALL BOX LOCATIONS AND REQUIREMENTS PRIOR TO ROUGH-IN WITH OWNER'S SECURITY PROVIDER.
14. CAMERAS AND CCTV EQUIPMENT BY OWNER. CONTRACTOR SHALL VERIFY ALL BOX LOCATIONS AND REQUIREMENTS PRIOR TO ROUGH-IN WITH OWNER'S AV PROVIDER.

LOW VOLTAGE CABLING LEGEND:

1. THE FOLLOWING COLOR SCHEME SHALL APPLY TO ALL WIRING, FACE PLATES, PATCH PANELS, ETC FOR THE ENTIRE SYSTEM:
   - DATA – BLUE
   - VOIP – WHITE
   - WIRELESS ACCESS POINTS (WIFI) – PURPLE
   - LIGHTING CONTROLS - GREEN
   - CCTV – YELLOW
   - ACCESS CONTROLS – ORANGE

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ALABAMA LICENSED PROFESSIONAL ENGINEER MORGAN GARNER No. 26579 6/20/23

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AUXILIARY PLAN

E4.1

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