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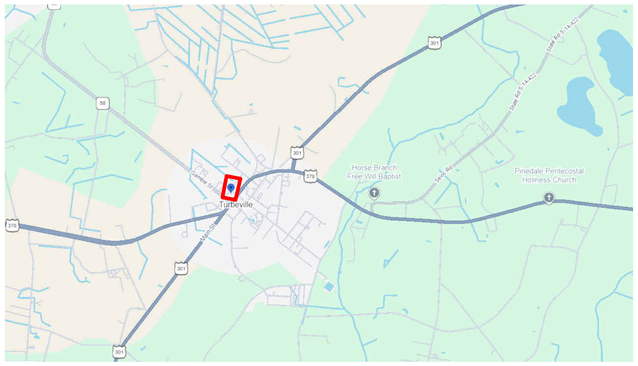

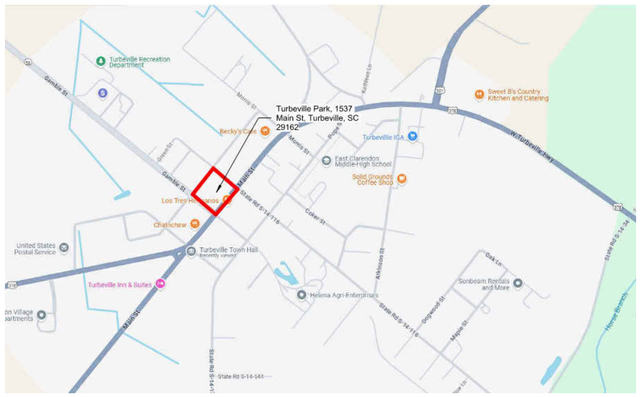

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GREENVILLE, SOUTH CAROLINA 29601

CIVIL ENGINEER:
STEWARD ENGINEERING
1416 SAUGUS COURT
CHAPIN, SOUTH CAROLINA 29036

STRUCTURAL ENGINEER:
PALMETTO STRUCTURAL ENGINEERING
104 HUNTER HILL CIRCLE
SIX MILE, SOUTH CAROLINA 29682

HVAC ENGINEER:
STEPHENS ENGINEERING & CONSULTING
130 HERITAGE LANE
EASLEY, SOUTH CAROLINA 29642

ELECTRICAL ENGINEER:
BURDETTE ENGINEERING
200 REGENT PARK COURT
GREENVILLE, SOUTH CAROLINA 29607

DRAWING LIST

T100 TITLE SHEET

GENERAL
G101 GENERAL NOTES AND LEGENDS
G102 ACCESSIBILITY STANDARDS

LIFE SAFETY
LS101 LIFE SAFETY PLAN

CIVIL
C1 SITE COVER SHEET
C2 SITE SURVEY
C3 EXISTING CONSTITIONS & PHASE ONE EROSION CONTROL PLAN
C4 DEMOLITION PLAN
C5 SITE & PHASE TWO EROSION CONTROL
C6 UTILITY PLAN
C7 STAKING PLAN
C8 SCDOT ROAD & DETAILS
C9 SITE & EROSION CONTROL DETAILS
C10 SITE & EROSION CONTROL DETAILS
C11 SITE & UTILITY DETAILS

ARCHITECTURAL
A101 FLOOR PLAN
A201 DOOR AND WINDOW SCHEDULES
A301 EXTERIOR ELEVATIONS
A302 EXTERIOR ELEVATIONS
A401 BUILDING SECTIONS
A402 BUILDING SECTIONS
A501 WALL SECTIONS
A502 WALL SECTION
A503 DETAIL SECTION
A504 DETAIL SECTION (ENTRY)
A601 ROOF PLAN
A701 FINISH PLAN, SCHEDULE, LEGEND AND NOTES
A702 ENLARGED TOLIET PLAN & ELEV
A703 INTERIOR ELEVATIONS
A706 CASEWORK SCHEDULE
A801 REFLECTED CEILING PLAN

STRUCTURAL
S100 GENERAL NOTES, SECTIONS & DETAILS
S101 FOUNDATION / SLAB PLAN
S102 MEZZANINE & ROOF FRAMING PLAN

MECHANICAL
M001 HVA SCHEDULES
M101 HVAC PLAN
M201 ENLARGED PLAN AND SECTION

PLUMBING
P001 PLUMBING FIXTURE SCHEDULE AND NOTES
P101 WASTE PIPING PLAN
P102 DOMESTIC WATER PIPING PLAN

FIRE PROTECTION
FP101 FIRE PROTECTION PLAN

ELECTRICAL
E001 ELECTRICAL SYMBOL LEGEND
E002 ELECTRICAL DETAILS AND SCHEDULES
E003 ELECTRICAL DETAILS AND SCHEDULES
E101 ELECTRICAL SITE PLAN
E201 ELECTRICAL LIGHTING PLAN
E301 ELECTRICAL POWER PLAN

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TITLE SHEET

T100

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PROJECT ABBREVIATIONS LEGEND

AB	ANCHOR BOLT
A/C	AIR CONDITION(ING)(ED)
ACS	ACCESS
ACST	ACOUSTIC(AL)
ACP (ACP-)	ACOUSTICAL CEILING PANEL
ACT (ACT-)	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADH	ADHESIVE
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AHR	ANCHOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
(ALUM-)	
ANOD	ANODIZE(D)
ANN	ANNUNCIATOR
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL),
ASPH	ASPHALT
AUTO	AUTOMATIC
AWP (AWP-)	ACOUSTICAL WALL PANEL
B/B	BACK TO BACK
BB (BB-)	BULLETIN BOARD
BBD	BASE BOARD
BD	BOARD
BE (BE-)	BENCH
BITUM	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BMK	BENCHMARK
BOT	BOTTOM
BOT/	BOTTOM OF
BR (BR-)	BRICK
BRG	BEARING
BRZ	BRONZE
BSMT	BASEMENT
BUR	BUILT-UP ROOFING
CAB	CABINET
CB	CATCH BASIN
CEM	CEMENT
CG (CG-)	CORNER GUARD
CH (CH-)	COAT HOOK
CI	CAST IRON
CIP	CAST-IN-PLACE
CIRC	CIRCULATION
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
cm	CENTIMETER
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPT (CPT-)	CARPET
CSK	COUNTERSUNK
CT (CT-)	CERAMIC TILE
CTR	CENTER
CU	CUBIC
CW	COLD WATER
CCTV	CLOSED CIRCUIT TELEVISION
d	PENNY (NAIL)
D	DEEP, DEPTH
DBL	DOUBLE
DCT (DCT-)	DIAPER CHANGING TABLE
DEG	DEGREE
DEMO	DEMOLISH, DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF (DF-)	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DP	DAMPPROOFING
DR	DOOR
DS	DOWNSPOUT
DW	DISHWATER
DWG	DRAWING
DWV	DRAINAGE, WASTE AND VENT
E	EAST
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRICAL)
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
ENTR	ENTRANCE
EO	ELECTRIC OUTLET
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EMERGENCY SHOWER
ETC	ETCETERA
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXC	EXCAVATION, EXCAVATE
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXPO	EXPOSED
EXT	EXTERIOR, EXTERNAL
F	FACE OF
F/F	FACE TO FACE
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FAB (FAB-)	FABRIC
FABR	FABRICATE(D)
FACP	FIRE ALARM CONTROL PANEL
FC (FC-)	FIRE CABINET
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHVC	FIRE HOSE VALVE CABINET
FHR	FIRE HOSE RACK
FIN	FINISH(ED)
FIN FLR EL	FINISHED FLOOR ELEVATION
FIXT	FIXTURE
FLASH	FLASHING
FLEX	FLEXIBLE
FLR	FLOOR
FLUOR	FLUORESCENT
FO	FINISHED OPENING
FP	FIRE PROTECTION
FRTW	FIRE RETARDANT TREATED WOOD
FT	FOOT (FEET)
FTG	FOOTING
FTR	FINNED TUBE RADIATION
FURN	FURNISH, FURNITURE
FURG	FURRING
FUT	FUTURE

GA	GAUGE
GALV	GALVANIZED
GB (GB-)	GRAB BAR
GEN	GENERAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL (GL-)	GLASS
GD	GROUND
GL BLK	GLASS BLOCK
GLU LAM	GLUE LAMINATED WOOD
GYP PLAS	GYPSUM PLASTER
GR	GRADE
GT	GREASE TRAP
GYP	GYPSUM
H	HIGH
HB	HOSE BIBB
HC	HOLLOW CORE
HCP	HANDICAPPED
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HW	HOT WATER
HYD	HYDRANT
INCAND	INCANDESCENT
INCL	INCLUDE(D), INCLUDING
INSUL	INSULATION
(INSUL-)	
INT	INTERIOR
INTERM	INTERMEDIATE
INV	INVERT
JAN	JANITOR
JAN CLO	JANITOR'S CLOSET
JT	JOINT
KD	KNOCK(ED) DOWN
KO	KNOCK OUT
KIT	KITCHEN
KPL (KPL-)	KICK PLATE
L	LONG, LENGTH
LAM	LAMINATE(D)
LAU	LAUNDRY
LAV	LAVATORY
LB(s)	POUND(S)
LF	LINEAR FOOT, (FEET)
LH	LEFT HAND
LL	LIVE LOAD
LKR (LKR-)	LOCKER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LNG	LONGITUDE,
LP	LONGITUDINAL
LT	LOW POINT LIGHT
LTG	LIGHTING
LVL	LEVEL
LWC	LIGHT WEIGHT CONCRETE
m	METER
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MCB	METAL CORNER BEAD
MDO	MEDIUM DENSITY OVERLAY
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MEP	MECHANICAL, ELECTRICAL, PLUMBING & FIRE PROTECTION
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIRR (MIRR-)	MIRROR
MISC	MISCELLANEOUS
MKR BD (MKR BD-)	MARKER BOARD
mm	MILLIMETER
MO	MASONRY OPENING
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
MVBL	MOVABLE
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/O	OUT TO OUT
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED, CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED, OWNER INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OH	OVERHEAD
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
PA	PUBLIC ADDRESS
PBD	PARTICLE BOARD
PCC (PCC-)	PRE-CAST CONCRETE
PERF	PERFORATED
PERP	PERPENDICULAR
PGBD	PEG BOARD
PL	PLATE
PLAM (PLAM-)	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLYWD	PLYWOOD
PNT (PNT-)	PAINT
PNL	PANEL
POL	POLISHED
PR	PAIR
PREFAB	PREFABRICATE(D)
PRKG	PARKING
PROJ	PROJECT
PROJ SCRN (PROJ SCRN-)	PROJECTION SCREEN
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSH (PSH-)	PURSE SHELF
PSI	POUNDS PER SQUARE INCH
PT	POINT
PTD (PTD-)	PAPER TOWEL DISPENSER
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PVG	PAVING
QT (QT-)	QUARRY TILE
QTY	QUANTITY

r	RISER
R	THERMAL RESISTANCE
RAD	RADIUS
RB (RB-)	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RCPTN	RECEPTION
RD	ROOF DRAIN
REC	RECESSED
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCE, REINFORCING
REINF CONC	REINFORCED CONCRETE
REQD	REQUIRED
RESIL	RESILIENT
REV	REVISION
RFG	ROOFING
RF (RF-)	RESILIENT FLOORING
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTF (RTF-)	RUBBER TILE FLOOR
RVL	REVEAL
S	SOUTH
SAB	SOUND ATTENUATION BATTS
SAN	SANITARY
SC	SOLID CORE
SCHED	SCHEDULE
SD (SD-)	SOAP DISPENSER
SECT	SECTION
SF	SQUARE FOOT(FEET)
SGNG	SIGNAGE
SGL	SINGLE
SHT	SHEET
SIM	SIMILAR
SHR	SHOWER
SND (SND-)	SANITARY NAPKIN DISPENSER
SNDU	SANITARY NAPKIN
(SNDU-)	DISPOSAL UNIT
SP	STANDPIPE
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
SS	SERVICE SINK
SSM (SSM-)	SOLID SURFACE MATERIAL
SST	STAINLESS STEEL
STA	STATION
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STN (STN-)	STONE
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SV (SV-)	SHEET VINYL
SYMM	SYMMETRICAL
T	TREAD
T T/	TOP OF
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TDR (TDR-)	TOWEL DISPENSER/ RECEPTACLE
TEL	TELEPHONE
TEMP	TEMPORARY
TER (TER-)	TERRAZZO
THK	THICK
THRES	THRESHOLD
TI	TENANT IMPROVEMENT
TKBD(TKBD-)	TACKBOARD
TLT	TOILET
TMPD	TEMPERED
TOPO	TOPOGRAPHY, TOPOGRAPHIC
TPD (TBD-)	TOILET PAPER DISPENSER
TRTD	TREATED
TS	TUBE STEEL
TSCD(TSCD-)	TOILET SEAT COVER DISPENSER
TV	TELEVISION
TYP	TYPICAL
U	HEAT TRANSFER COEFFICIENT
UC	UNDER COUNTER
UCL (UCL-)	UNDER CABINET LIGHTING
UNEXC	UNEXCAVATED
UNFIN	UNFINISHED
UGND	UNDERGROUND UNIT
UH	HEATER
UL	UNDERWRITER'S LABORATORIES
UNO	UNLESS NOTED OTHERWISE
US UTIL	UNDERSLAB UTILITY
VB (VB-)	VINYL BASE
VCT (VCT-)	VINYL COMPOSITION TILE
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VOL	VOLUME
VNR (VNR-)	VENEER
VR	VAPOR RETARDER
V SHT	VINYL SHEET
VT (VT-)	VINYL TILE
VWC (VWC-)	VINYL WALL COVERING
W	WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD (WD-)	WOOD
WG (WG-)	WALL GUARD
WF	WIDE FLANGE
WH	WATER HEATER
WI	WROUGHT IRON
WIN	WINDOW
WM	WIRE MESH
WP	WATER PROOFING
W RECPT	WASTE RECEPTACLE
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
x	BY
YD	YARD
ZN	ZINC.

SYMBOLS LEGEND

SHEET NUMBER

A213

- SHEET NUMBER
- CATAGORY NUMBER
- DISCIPLINE LETTER

ROOM NAMES AND NUMBERS

Room name — ROOM NAME

101 — ROOM NUMBER

NORTH ARROW

N

TRUE NORTH

VERTICAL ELEVATION TARGET

SECOND FLOOR F.F.E. 28'-6"

SPOT ELEVATION

SECOND FLOOR E.L. 18'-6"

DRAWING TITLE

1 / A101 View Name

1/8" = 1'-0"

BREAK LINE

DATUM POINT

KEY NOTE

X — SEE KEYNOTE LEGEND FOR KEY

SECTION TARGETS

SECTION DESIGNATION
SIMILAR DETAIL WHERE INDICATED
1 / A101 SIM
SHEET NUMBER

ELEVATION TARGETS

1 / A101 SIM
SHEET NUMBER

DOOR NUMBERS

101

WINDOW TYPE SYMBOLS

W1

DRAWING REVISION

1

PARTIAL PLAN AND DETAIL TARGETS

1 / A101 SIM

PAINT TAG

P-1

CEILING HEIGHT TAG

10'-10 3/4" XX-XX

COLUMN GRID

0

CENTER LINE

FLOOR PLAN LEGEND

- COLUMN GRID
- NORTH ARROW
- ROOM TAG
- SECTION / ELEVATION CALLOUT
- ELEVATION TARGET
- WINDOW TAG
- CENTER LINE
- NEW DOOR WITH DOOR TAG
- EXISTING DOOR
- FIRE EXTINGUISHER CABINET (FEC(R) RECESSED, FEC(S) SEMI RECESSED, FEC(F) FLUSH MOUNTED, FEB BRACKET MOUNTED)
- FLOOR DRAIN
- ELECTRIC WATER COOLER

WALL LEGEND

- EXISTING WALL
- CONCRETE
- CONCRETE MASONRY
- METAL STUD WALL WITH GYPSUM WALL BOARD
- 1 HOUR RATED
- 2 HOUR RATED
- 3 HOUR RATED

WALL LEGEND NOTES:

1. INTERIOR WALLS SHALL BE TYPE _____ UNLESS NOTED OTHERWISE.
2. PROVIDE J-MOLD WITH CAULK AND RACKER ROD JOINT WHERE GWB ABUTS DISSIMILAR MATERIALS SUCH AS CMU AND GWB.

ACCESSORY LEGEND

MB1	4' x 6' MARKER BOARD
MB2	4' x 8' MARKER BOARD
TB14' X 6'	TACK BOARD
PB1	4'-1" x 5'-7" PROMETHEAN BOARD
PS1	5' WIDE PROJECTION SCREEN
PS2	8' WIDE PROJECTION SCREEN
P1	OVERHEAD PROJECTOR
M1	24" x 36" MIRROR
M2	24" x 48" MIRROR
CH	COAT HOOK

REFLECTED CEILING PLAN LEGEND

- ACP-1: 2'x2' SUSPENDED ACOUSICAL PANEL CEILING SYSTEM
- GWB: SUSPENDED GYPSUM BOARD CEILING
- PROJECTION SCREEN
- 2 x 4 LIGHT FIXTURE
- 2 x 2 LIGHT FIXTURE
- 1 x 4 LIGHT FIXTURE
- LINEAR PENDANT LIGHT FIXTURE
- STRIP LIGHT FIXTURE
- TRACK LIGHT FIXTURE(S)
- PENDANT LIGHT FIXTURE
- DOWN LIGHT
- SUPPLY AIR DIFFUSER
- RETURN AIR DIFFUSER
- CEILING ACCESS PANEL
- OVERHEAD PROJECTOR (NIC)
- CEILING ELEVATION ABOVE FINISHED FLOOR / MATERIAL

WALL TYPES LEGEND

FACING
WALL STRUCTURE
WALL STRUCTURE
FACING
XXXX
XX
MODIFIER
MODIFIER

FACING:

F	**F**urring - 7/8" METAL HAT CHANNEL W/ 5/8" GWB
G	**G**ypsum - 5/8" GWB

STRUCTURE:

C	**C**oncrete
M	**M**asonry
S	Metal **S**tud
SW	**S**haft **W**all
TP	**T**oilet **P**artition
W	**W**ood Stud

WALL MODIFIER:

A	**A**buse resistant
F	**F**ull height - extend to structure above
P	**P**artial height - extend six inches above ceiling
S	**S**ound - attenuation batt insulation

CASEWORK LEGEND

X - 36 - 24 - 18

- DEPTH (INCHES)
- HEIGHT (INCHES)
- WIDTH (INCHES)
- MILLWORK TYPE

MILLWORK TYPE:

B	BASE CABINET
BS	BASE SHELF
W	WALL CABINET

NOTES:

1. SECTIONS AND DETAILS IN ACCORDANCE WITH A.W.I. STANDARDS. SEE SPECIFICATIONS FOR QUALITY GRADE.
2. SEE ELEVATIONS FOR SHELVING AND DOOR CONFIGURATIONS.

TOILET ACCESSORY LEGEND

PTD	PAPER TOWEL DISPENSER
TTD	TOILET TISSUE DISPENSER
GB42	42" GRAB BAR
GB36	36" GRAB BAR
GB18	18" GRAB BAR (VERTICAL MOUNT)
SGB	SHOWER GRAB BAR
M1	24" x 36" MIRROR
M2	24" x 48" MIRROR
CH	COAT HOOK
MOP	MOP RACK
SND	SANITARY NAPKIN DISPOSAL UNIT
SD	SOAP DISPENSER
EHD	ELECTRIC HAND DRYER
EWC	ELECTRIC WATER COOLER
FSS	FOLDING SHOWER SEAT
CU	CURTAIN WITH BAR AND CURTAIN HOOKS

TOILET ACCESSORY NOTES

1. GC SHALL FURNISH AND INSTALL 2x4 WOOD BLOCKING AS REQUIRED TO SECURLY FASTEN ALL TOILET ACCESSORIES.

TOILET NOTES

1. OUTSIDE CORNER OF CMU WALLS SHALL BE BULLNOSED UNLESS NOTED OTHERWISE.

DOOR ABBREVIATION LEGEND

HM	HOLLOW METAL
SCW	SOLID CORE WOOD
TEMP	TEMPERED
PR	PAIR
ALUM	ALUMINUM

PROJECT NOTES

CIRCULATION

CI-1. SEAL ALL STAIR STRINGERS AND LANDINGS TO THE WALL WHERE A TIGHT UNIFORM FIT HAS NOT BEEN FURNISHED AT THE WALL AND STAIR STRINGER CONDITION.

COORDINATION

CO-1. THE CUTTING OF EXISTING CONSTRUCTION AND FINISHES SHALL BE REPAIRED WHERE CUT OR DAMAGED BY OTHER PORTIONS OF THE WORK BY TRADES PEOPLE WHO ARE BY TRAINING AND EXPERIENCE QUALIFIED TO MAKE SUCH REPAIRS, SHALL PERFORM THE REPAIRS.

CO-2. PROVIDE WOOD BLOCKING IN STUD OR OTHER HOLLOW WALLS AND OR SHEET METAL PLATES FOR ATTACHMENT OF WALL MOUNTED ACCESSORIES SUCH AS SHELVING, CASEWORK, GRAB BARS, TOILET ACCESSORIES, TOILET PARTITIONS, WALL MOUNTED LIGHT FIXTURES, BENCHES, COAT RODS, TELEVISIONS AND AV EQUIPMENT, SECURITY CAMERAS, SLIDING DOOR TRACKS, MARKER BOARDS, MIRRORS, ETC. WOOD BLOCKING SHALL BE FIRE RATED WHERE REQUIRED BY CODE OR THE CODE OFFICIAL.

CO-3. ALL WALL MOUNTED DEVICES SUCH AS ELECTRICAL RECEPTACLE PLATES, ELECTRICAL SWITCH PLATES, THERMOSTATS, LIGHT FIXTURES, DATA PLATES, SIGNAGE, FIRE ALARM PULL STATIONS, FIRE ALARM HORNS AND STROBES, MOTION DETECTORS, ETC. SHALL BE MOUNTED LEVEL AND PLUMB. WHERE DEVICES ARE ADJACENT TO ONE ANOTHER SUCH AS LIGHT SWITCHES, RECEPTACLES, T-STATS, ETC. THE TOP OF THE DEVICE SHALL ALIGN WITH THE ADJACENT DEVICE.

CO-4. INFORMATION PERTINENT TO THE SCOPE OF WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. REFER TO CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, ETC., FOR ADDITIONAL NOTES. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDING COMPONENTS. NOTES ON ANY ONE SHEET ARE TO BE APPLIED TO RELATED DRAWINGS AND DETAILS.

CO-5. THE CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL DRAWINGS, ETC., SUPPORT THE ARCHITECTURAL DRAWINGS IN DEFINING THE SCOPE OF WORK OF THE CONTRACT DOCUMENTS. DISCREPANCY BETWEEN THE ARCHITECTURAL AND THE ENGINEERING DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE COMMENCING WITH THE WORK. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER.

CO-6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE PLACEMENT OF THE BUILDINGS ON THE SITE.

CO-7. DO NOT SCALE THE DRAWINGS. THE DRAWINGS ARE NOT NECESSARILY TO SCALE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE PRIOR TO THE START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION BEFORE COMMENCING WITH THE WORK.

CO-8. THE CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS THEREON. HE SHALL INVESTIGATE, VERIFY AND BE FAMILIAR WITH CONDITIONS OF THE PROJECT. HE SHALL NOTIFY THE OWNER OF ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE WORK.

CO-9. PROVIDE SHOP DRAWINGS AND COORDINATION DRAWINGS TO GUIDE THE FIELD INSTALLATION OF ALL SYSTEMS. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL NOT USE THESE DIAGRAMMATIC CONTRACT DOCUMENTS AS THEIR SHOP AND COORDINATION DRAWINGS.

CO-10. IT IS THE DESIGN INTENT THAT ALL DEVICES MOUNTED ON WALLS SUCH AS LIGHT SWITCHES, ELECTRICAL RECEPTACLES, THERMOSTATS, TEMPERATURE SENSORS, SECURITY CARD READERS, MOTION DETECTORS, OCCUPANCY SENSORS, FIRE ALARM DEVICES, DIMMING CONTROLS, ETC. SHALL BE FURNISHED IN THE SAME COLOR. THE COLOR OF THESE DEVICES FOR THIS PROJECT SHALL BE COORDINATED WITH THE ARCHITECT. THE CONTRACTOR SHALL COORDINATE THIS REQUIREMENT WITH ALL TRADES.

CO-11. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE SHOWN. WHERE SPECIFICS DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

CO-12. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE CODES. ENGINEERING SHALL CONFORM TO ALL APPLICABLE MUNICIPAL, STATE AND FEDERAL REGULATIONS HAVING JURISDICTION INCLUDING ACCESSIBILITY STANDARDS AND ADA REQUIREMENTS.

DIMENSIONING

D-1 UNLESS OTHERWISE NOTED, DIMENSIONS ARE FROM COLUMN CENTERLINE, CENTER OF INTERIOR STUD, FACE OF EXTERIOR STUD, FACE OF MASONRY AND FACE OF CONCRETE WALLS.

D-2. ALL NEW WORK ADJOINING EXISTING CONSTRUCTION SHALL ALIGN WITH AND MATCH EXISTING CONSTRUCTION UNLESS OTHERWISE DIMENSIONED OR DETAILED. NEW GYPSUM BOARD CONSTRUCTION MEETING EXISTING CONSTRUCTION IN THE SAME PLANE SHALL BE FLUSH WITH THE EXISTING MATERIALS AND SHOW NO VISIBLE JOINT.

D-3. FINISH FLOOR ELEVATIONS ARE TO TOP OF CONCRETE, UNLESS NOTED OTHERWISE.

ENVELOPE

E-1.ALL EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AND THE ROOF, BETWEEN WALL PANELS, AT PENETRATIONS OF UTILITIES THROUGH THE ENVELOPE, SHALL BE SEALED OR WEATHER-STRIPPED TO PREVENT AIR LEAKAGE / INFILTRATION.

E-2.WHETHER OR NOT SHOWN OR SPECIFIED, PROVIDE FOIL FACED MINERAL FIBER OR PLASTIC INSULATION BETWEEN ALL EXTERIOR AND INTERIOR HEATED SPACES INCLUDING INACTIVE PORTIONS OF LOUVERS, ETC. PLASTIC INSULATION SHALL BE ENCLOSED TO PREVENT TOXIC SMOKE DEVELOPMENT.

E-3.PROVIDE PHYSICAL METAL SUPPORT FOR FLEXIBLE FLASHING TO MAINTAIN POSITIVE DRAINAGE IN CAVITY WALLS OR ACROSS OTHER VOIDS.

E-4.FORM END DAMS IN FLASHING AT WINDOW & DOOR HEADS AND OTHER LOCATIONS AS REQUIRED TO DIRECT THE FLOW OF WATER TO THE EXTERIOR.

E-5.DO NOT SEAL WEEPS OR FLASHING TERMINATIONS TO THE EXTERIOR.

FINISHES

F-1.ENSURE THAT WALL FINISH MATERIALS SUCH AS PAINT ARE COMPATIBLE WITH SEALANT MATERIAL UTILIZED IN THE WALL CONSTRUCTION.

F-2.PROVIDE ACCESS PANELS IN CEILINGS WHERE REQUIRED FOR ACCESS TO ALL EQUIPMENT AND OR DEVICES. COORDINATE THIS REQUIREMENT WITH THE WORK OF OTHER TRADES SHOWN ON THE DRAWINGS AND IN THE PROJECT MANUAL.

F-3.IN AREAS INDICATED BY THE FINISH SCHEDULE TO BE PAINTED AND WHERE NO CEILING IS INDICATED, PAINT SHALL EXTEND TO THE BOTTOM OF THE FLOOR OR ROOF STRUCTURE (TYPICAL). REFER TO THE FINISH SCHEDULE FOR PAINTING OF EXPOSED STRUCTURE.

GLAZING

G-1. WHETHER OR NOT EXPLICITLY INDICATED, ALL GLAZING SHALL BE SAFETY GLAZING WHEN WITHIN 18 " OF THE FLOOR OR WITHIN 36 " HORIZONTAL DISTANCE FROM ANY DOOR.

G-2. PROVIDE HEAT STRENGTHENED AND OR TEMPERED GLASS AS RECOMMENDED BY GLASS MANUFACTURER OR AS REQUIRED BY CODE FOR EACH APPLICATION.

MISCELLANEOUS

M-1. PROVIDE BUILDING ADDRESS NUMBERS FOR THE BUILDING IN THE SCOPE OF WORK. SIGNAGE SPECIFICATION AND LOCATION OF BUILDING ADDRESS NUMBERS SHALL BE COORDINATED WITH THE ARCHITECT.

M-2. THE UNSUPPORTED ARM-OVER LENGTH TO A SPRINKLER HEAD DROP, OR SPRIG-UP SHALL NOT EXCEED 24 " FOR STEEL PIPE.

M-3. SHOULD THE CONTRACTOR ENCOUNTER ANY MATERIALS IDENTIFIED AS HAZARDOUS MATERIALS HE SHALL IMMEDIATELY REFER TO THE GENERAL CONDITIONS AND NOTIFY THE OWNER AND THE ARCHITECT.

M-4. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID MOLECULAR BREAKDOWN.

STRUCTURAL

S-1.SEE STRUCTURAL DRAWINGS FOR STRUCTURAL MEMBER SIZE & SEISMIC BRACING REQUIREMENTS.

S-2.THE CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATIONS AND ADVISE THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.

S-3.REFER TO THE STRUCTURAL DRAWINGS FOR LIGHT GAGE FRAMING REQUIREMENTS FOR ALL EXTERIOR WALL FRAMING CONDITIONS DETAILS SHALL GOVERN IF A CONFLICT SHOULD OCCUR BETWEEN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS IN REGARDS TO EXTERIOR WALL FRAMING.

S-4.REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL MEMBER SIZES.

WALLS

W-1. ALL CMU WALLS AND SOUND RATED PARTITIONS SHALL EXTEND FROM FINISH FLOOR TO WHERE THEY MAY BE SEALED, SUCH AS THE UNDERSIDE OF THE STRUCTURE OR DECK AND SHALL BE ENTIRETY SEALED OFF WITH NON-HARDENING CAULK UNLESS NOTED OTHERWISE. ALL PENETRATIONS; SUCH AS PIPING, CONDUITS, DUCTS, ETC., IN SUCH SEALED OFF WALLS OR PARTITIONS; SHALL IN THEMSELVES BE PACKED WITH MINERAL WOOL FIBER INSULATION AND SEALED OFF WITH NON-HARDENING CAULK ALONG THE PERIMETER AS REQUIRED. ENSURE THAT THESE PENETRATIONS ARE SEALED WITH APPROVED MATERIALS IN ACCORDANCE WITH A U.L. DESIGN ASSEMBLY FOR THE WALL RATING.

W-2. ALL SOUND RATED PARTITIONS (STC) WALLS OR PARTITIONS SHALL HAVE AN ACOUSTICAL GASKET AND OR ACOUSTICAL SEALANT AT THE TOP, BOTTOM AND SIDES WHERE A SOUND LEAK COULD EXIST. ALL PENETRATIONS THROUGH SUCH PARTITIONS SHALL BE GASKETED AND SEALED ALONG THE PENETRATION PERIMETER.

W-3. ALL FIRE AND OR SMOKE PARTITIONS, FIRE BARRIERS AND FIRE WALLS SHALL EXTEND FROM FINISH FLOOR TO WHERE IT MAY BE SEALED, SUCH AS THE UNDERSIDE OF THE STRUCTURE OR DECK AND BE ENTIRELY SEALED OFF WITH FIRE SAFING MATERIALS PER AN APPROVED FIRE RATED ASSEMBLY IN ACCORDANCE WITH U.L. DESIGN. ALL RATED AND SMOKE WALLS SHALL BE LABELED EVERY 10'-0 " WITH 3" HIGH STENCILED LETTERING WITH WORDING SUCH AS "2-HOUR RATED FIRE BARRIER", PROTECT ALL OPENINGS" OR VERBIAGE APPROVED BY THE LOCAL BUILDING OFFICIAL OR FIRE MARSHAL. LETTERING AND ARROWS MAY ALSO BE UTILIZED TO INDICATE THE DIRECTION OF THE FIRE RATING.

W-4. METAL STUDS SHALL BE ATTACHED WITH TWO SCREWS AT 16 " O.C. IN THE BOTTOM AND TOP TRACKS UNLESS DEFLECTION TRACKS ARE UTILIZED UNLESS NOTED OTHERWISE.

W-5. ALL INTERIOR WALLS ARE TO BE 3 5/8" METAL STUDS WITH ONE LAYER OF 5/8" GYPSUM WALLBOARD UNLESS NOTED OTHERWISE BY A WALL TYPE.

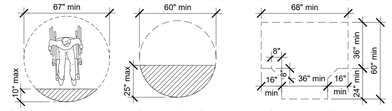
W-6. IN THE CASE OF NON-RATED PARTITIONS METAL STUDS AND GYPSUM BOARD SHALL BE EXTENDED THE SAME AS RATED PARTITIONS UNLESS NOTED OTHERWISE BY A WALL TYPE OR NOTE. IN LOCATIONS WHERE GYPSUM BOARD WALLS ARE NOT INDICATED TO EXTEND TO STRUCTURE, GYPSUM BOARD SHALL EXTEND TO 6" ABOVE FINISH CEILING.

W-7. IN ALL LOCATIONS WHERE CEILINGS ARE NOT SCHEDULED ON ONE SIDE OR BOTH SIDES OF A WALL, THE PARTITION SHALL EXTEND UP TO THE UNDERSIDE OF THE STRUCTURE.

W-8. WALL ACCESSORIES SUCH AS FIRE EXTINGUISHER CABINETS, PAPER TOWEL DISPENSERS, ETC. INSTALLED IN RATED WALLS SHALL BE INSTALLED IN A MANNER WHICH WILL NOT REDUCE THE FIRE RATING OF THE WALL.

W-9. ALL PENETRATIONS THROUGH FLOOR S

304 WHEELCHAIR TURNING SPACE



Circular Turning Space
New Buildings

Ref: ICC A117.1-2017, Fig. 304.3.1.1

Overlap of knee and toe per 306

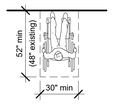
Circular Turning Space
Existing Buildings

Ref: ICC A117.1-2017, Fig. 304.3.1.2

T-Shaped Turning Space
New Buildings - Option 1

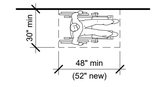
Ref: ICC A117.1-2017, Fig. 304.3.2.1(A)

305 CLEAR FLOOR SPACE



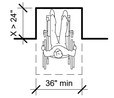
Clear Floor Space - New Buildings

Ref: ICC A117.1-2017, Fig. 305.3.1



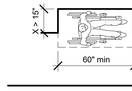
Clear Floor Space - Existing Buildings

Ref: ICC A117.1-2017, Fig. 305.3.2



Maneuvering Clearance in an Alcove
Forward Approach

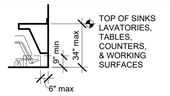
Ref: ICC A117.1-2017, Fig. 305.7.2



Maneuvering Clearance in an Alcove
Parallel Approach

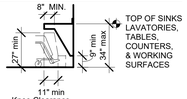
Ref: ICC A117.1-2017, Fig. 305.7.1

306 KNEE & TOE CLEARANCE; 606 LAVATORIES & SINKS; 902 SEATING AT TABLES, COUTERS, & WORK SURFACES



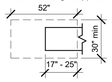
Toe Clearance

Ref: ICC A117.1-2017, Fig. 306.2(A) & 606.3



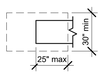
Knee Clearance

Ref: ICC A117.1-2017, Fig. 306.3(A) & 606.3



Toe Clearance - Plan

Ref: ICC A117.1-2017, Fig. 306.2(B)

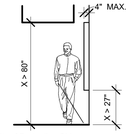


Knee Clearance - Plan

Ref: ICC/ANSI A117.1-2017, Fig. 306.3(B)

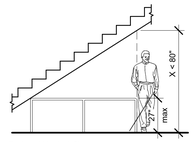
307 PROTRUDING OBJECTS

Ref: ICC A117.1-2017, 307.1 - Protruding objects on circulation paths



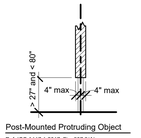
Limits of Protruding Objects

Ref: ICC A117.1-2017, Fig. 307.2



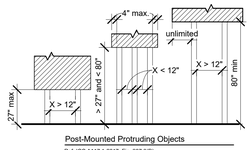
Reduced Vertical Clearance

Ref: ICC A117.1-2017, Fig. 307.4



Post-Mounted Protruding Object

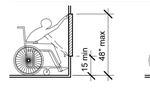
Ref: ICC A117.1-2017, Fig. 307.3(A)



Post-Mounted Protruding Objects

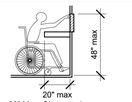
Ref: ICC A117.1-2017, Fig. 307.3(B)

308 REACHING RANGES



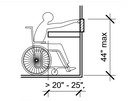
Unobstructed
Forward Reach

Ref: ICC A117.1-2017, Fig. 308.2.1



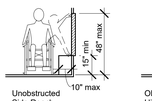
20" Max. Obstructed
High Forward Reach

Ref: ICC A117.1-2017, Fig. 308.2.2(A)



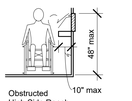
20" - 25" Max. Obstructed
High Forward Reach

Ref: ICC A117.1-2017, Fig. 308.2.2(B)



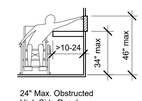
Unobstructed
Side Reach

Ref: ICC A117.1-2017, Fig. 308.3.1



Obstructed
High Side Reach

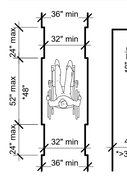
Ref: ICC A117.1-2017, Fig. 308.3.2(A)



24" Max. Obstructed
High Side Reach

Ref: ICC A117.1-2017, Fig. 308.3.2(B)

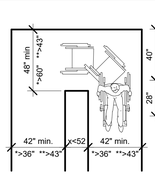
403 WALKING SURFACES



*Existing buildings

Clear Width of an
Accessible Route

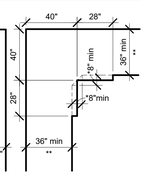
Ref: ICC A117.1-2017, 403.5.1(A)



* Option 1 - 403.5.2(A)
** Option 3 - 403.5.2(C)

Clear Width at 180-Degree Turn

Ref: ICC A117.1-2017, Fig. 403.5.2(B)

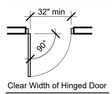


* Option 2 - 403.5.3.1(B)

Clear Width at 90-Degree Turn -
New Buildings - Option 1

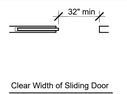
Ref: ICC A117.1-2017, Fig. 403.5.3.1(A)

404 DOORS AND DOORWAYS



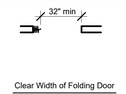
Clear Width of Hinged Door

Ref: ICC A117.1-2017, Fig. 404.2.2(A)



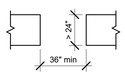
Clear Width of Sliding Door

Ref: ICC A117.1-2017, Fig. 404.2.2(B)



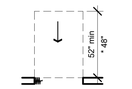
Clear Width of Folding Door

Ref: ICC A117.1-2017, Fig. 404.2.2(C)



Clear Width of Doorways
without Doors

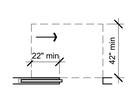
Ref: ICC A117.1-2017, Fig. 404.2.2(D)



Maneuvering Clearance at
Sliding and Folding Door:
Front Approach

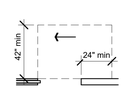
Ref: ICC A117.1-2017, Fig. 404.2.3.3(A)

* Existing buildings



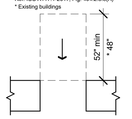
Maneuvering Clearance at
Sliding and Folding Door:
Pocket or Hinge Approach

Ref: ICC A117.1-2017, Fig. 404.2.3.3(C)



Maneuvering Clearance at
Sliding and Folding Door: Stop
or Latch Approach

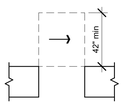
Ref: ICC A117.1-2017, Fig. 404.2.3.3(D)



Maneuvering Clearance at
Doorways Without Doors:
Front Approach

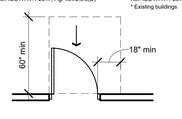
Ref: ICC A117.1-2017, Fig. 404.2.3.4(A)

* Existing buildings



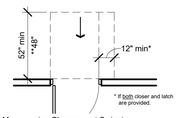
Maneuvering Clearance at
Doorways Without Doors:
Side Approach

Ref: ICC A117.1-2017, Fig. 404.2.3.4(C)



Maneuvering Clearance at Swinging
Door: Front Approach, Pull Side

Ref: ICC A117.1-2017, Fig. 404.2.3.2(A)

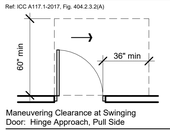


* If both closer and latch are provided.

Maneuvering Clearance at Swinging
Door: Front Approach, Push Side

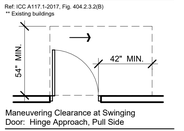
Ref: ICC A117.1-2017, Fig. 404.2.3.2(B)

* Existing buildings



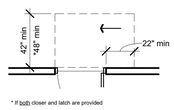
Maneuvering Clearance at Swinging
Door: Hinge Approach, Pull Side

Ref: ICC A117.1-2017, Fig. 404.2.3.2(D)



Maneuvering Clearance at Swinging
Door: Hinge Approach, Pull Side

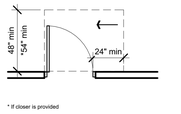
Ref: ICC A117.1-2017, Fig. 404.2.3.2(E)



* If both closer and latch are provided

Maneuvering Clearance at Swinging
Door: Hinge Approach, Push Side

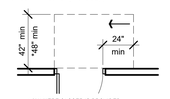
Ref: ICC A117.1-2017, Fig. 404.2.3.2(F)



* If closer is provided

Maneuvering Clearance at Swinging
Door: Latch Approach, Pull Side

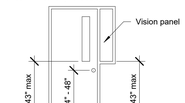
Ref: ICC A117.1-2017, Fig. 404.2.3.2(G)



* 48" WHERE CLOSER IS PROVIDED

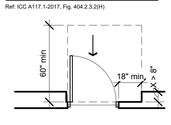
Maneuvering Clearance at Swinging
Door: Latch Approach, Push Side

Ref: ICC A117.1-2017, Fig. 404.2.3.2(H)



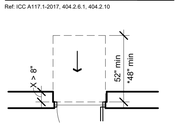
Location of Vision Panel & Hardware

Ref: ICC A117.1-2017, 404.2.6.1, 404.2.10



Maneuvering Clearance at Recessed
Door: Pull Side

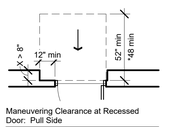
Ref: ICC A117.1-2017, Fig. 404.2.3.5(A)



Maneuvering Clearance at Recessed
Door: Push Side

Ref: ICC A117.1-2017, Fig. 404.2.3.5(B)

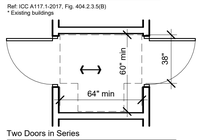
* Existing buildings



Maneuvering Clearance at Recessed
Door: Pull Side

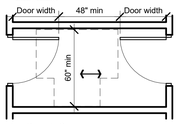
Ref: ICC A117.1-2017, Fig. 404.2.3.5(C)

*Existing buildings



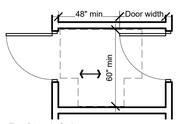
Two Doors in Series

Ref: ICC A117.1-2017, Fig. 404.2.5(A)



Two Doors in Series

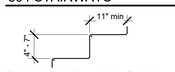
Ref: ICC A117.1-2017, Fig. 404.2.5(B)



Two Doors in Series

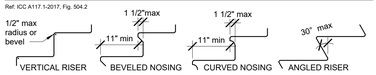
Ref: ICC A117.1-2017, Fig. 404.2.5(C)

504 STAIRWAYS



Treads and Risers for Accessible Stairways

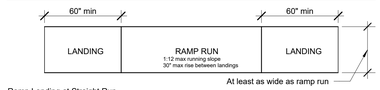
Ref: ICC A117.1-2017, Fig. 504.2



Stair Nosings

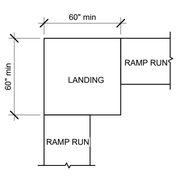
Ref: ICC A117.1-2017, Fig. 504.5

405 RAMPS



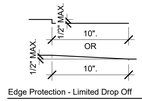
Ramp Landing at Straight Run

Ref: ICC A117.1-2017, Fig. 405.7(A)



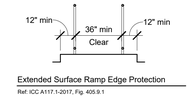
Ramp Landing at Turn

Ref: ICC A117.1-2017, Fig. 405.7(B)



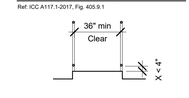
Edge Protection - Limited Drop Off

Ref: ICC A117.1-2017, Fig. 405.9



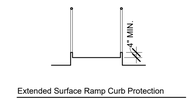
Extended Surface Ramp Edge Protection

Ref: ICC A117.1-2017, Fig. 405.9.1



Extended Surface Ramp Barrier Protection

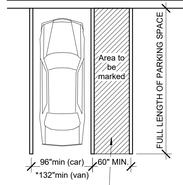
Ref: ICC A117.1-2017, Fig. 405.9.2.1



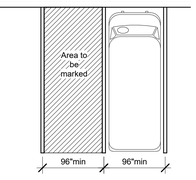
Extended Surface Ramp Curb Protection

Ref: ICC A117.1-2017, Fig. 405.9.2.2

502 PARKING SPACES



Access aisle serving car
and van parking spaces

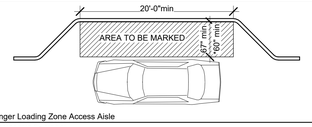


Van parking space
size exception

Vehicle Parking Space and Access Aisle

Ref: ICC A117.1-2017, Fig. 502.2(A) & Fig. 502.2(B)

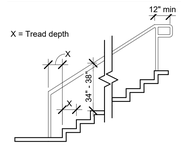
503 PASSENGER LOADING ZONE



Passenger Loading Zone Access Aisle

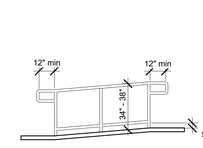
Ref: ICC A117.1-2017, Fig. 503.3(A)
* Existing buildings and facilities

505 HANDRAILS



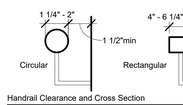
Top and Bottom Handrail
Extensions and Heights at Stairs

Ref: ICC A117.1-2017, Fig. 505.4(A), Fig. 505.10.2, and Fig. 505.10.3



Top and Bottom Handrail
Extensions and Heights at Ramps

Ref: ICC A117.1-2017, Fig. 505.4(B) and Fig. 505.10.1



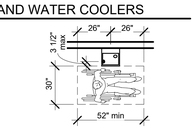
Handrail Clearance and Cross Section

Ref: ICC A117.1-2017, Fig. 505.5 & Fig. 505.7(A-C)

602 DRINKING FOUNTAINS AND WATER COOLERS

Clear Floor Space at Wheelchair
Drinking Fountains

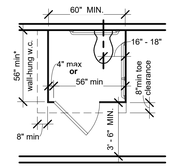
Ref: ICC A117.1-2017, Fig. 602.2.1(A), Fig. 305.5(A), & Fig. 305.7.2



Clear Floor Space at Wheelchair Drinking
Fountains Primarily for Children's Use Exception

Ref: ICC A117.1-2017, Fig. 602.2.1(B), Fig. 305.5(B), & Fig. 305.7.1

604 WATER CLOSETS,TOILET COMPARTMENTS, & 605 URINALS

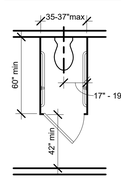


Clearances for Wall-Hung
Wheelchair Accessible Water Closet

Ref: ICC A117.1-2017, Fig. 604.3.2(A), Fig. 604.9.3.1(A), Fig. 604.2(A), & Fig. 604.9.5(B)

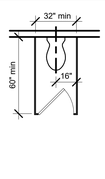
* 59" min. for floor-mounted water closet

604 WATER CLOSETS,TOILET COMPARTMENTS, & 605 URINALS Cont.

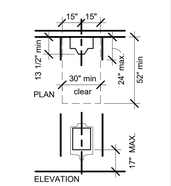


Clearances for Ambulatory
Accessible Water Closet

Ref: ICC A117.1-2017, Fig. 604.10.1

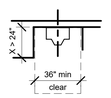


Clearances for Standard
Water Closet



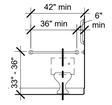
Clearances for
Accessible Urinals (Unobstructed)

Ref: ICC A117.1-2017, Sect 605



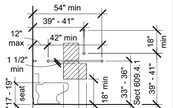
Clearance for
Accessible Urinals (Alcove)

Ref: ICC A117.1-2017, Fig. 305.7.2



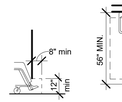
Rear Wall Grab Bar
for Water Closet

Ref: ICC A117.1-2017, Fig. 604.5.2



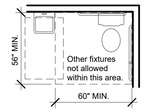
Side Wall Grab Bar & Recessed
Dispenser Outlet Location

Ref: ICC A117.1-2017, Fig. 604.5.1, Fig. 604.4 and Fig. 604.7(A)



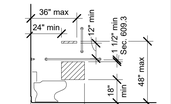
Toilet Compartment
Toe Clearance

Ref: ICC A117.1-2017,
Fig. 604.9.5(A)



Size of Clearance
for Water Closet

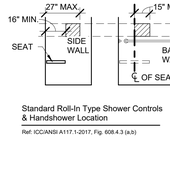
Ref: ICC A117.1-2017, Fig. 604.3



Protruding Dispenser Location

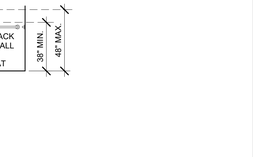
Ref: ICC A117.1-2017, Fig. 604.7.1(A) and Fig. 604.7.1(B)

607 BATHTUBS



Grab Bar Locations & Clearances for
Bathtubs without Permanent Seats

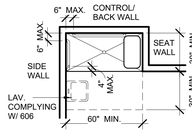
Ref: ICC/ANSI A117.1-2017, Fig. 607.2 (A), Fig. 607.4.2 (A) & Fig. 610.2 (A)



Grab Bar Locations & Clearances for
Bathtubs with Permanent Seats

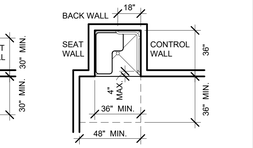
Ref: ICC/ANSI A117.1-2017, Fig. 607.2 (B), Fig. 607.4.1 & Fig. 610.2 (B)

608 SHOWER COMPARTMENTS



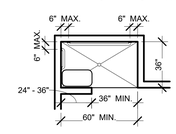
Standard Roll-In-Type Shower Compartment
Clearances & Grab Bar Locations

Ref: ICC/ANSI A117.1-2017, Fig. 608.2.2.1 & Fig. 608.3.2(B)



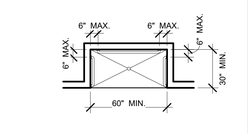
Transfer-Type Shower Compartment
Clearances & Grab Bar Locations

Ref: ICC/ANSI A117.1-2017, Fig. 608.4.1 & Fig. 608.3.1



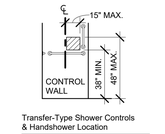
Alternate Roll-In-Type Shower Compartment
Clearances & Grab Bar Locations

Ref: ICC/ANSI A117.1-2017, Fig. 608.2.3 & Fig. 608.3.3



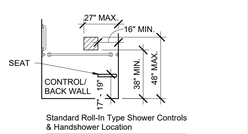
Standard Roll-In-Type Shower Compartment
Clearances without Seats and Grab Bar Locations

Ref: ICC/ANSI A117.1-2017, Fig. 608.2.1 & Fig. 608.3.1



Transfer-Type Shower Controls
& Handshower Location

Ref: ICC/ANSI A117.1-2017, Fig. 608.4.1



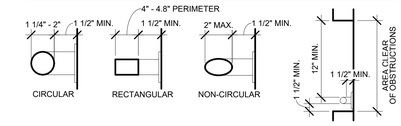
Standard Roll-In Type Shower Controls
& Handshower Location

Ref: ICC/ANSI A117.1-2017, Fig. 608.4.2

Standard Roll-In Type Shower Controls
& Handshower Location

Ref: ICC/ANSI A117.1-2017, Fig. 608.4.3 (a,b)

609 GRAB BARS



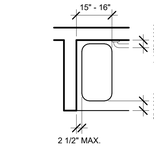
Size of Grab Bars

Ref: ICC/ANSI A117.1-2017, Fig. 609.2 (a-c)

Spacing of Grab Bars

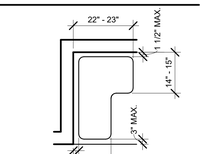
Ref: ICC/ANSI A117.1-2017, Fig. 609.3

610 SEATS



Rectangular Shower Compartment Seat

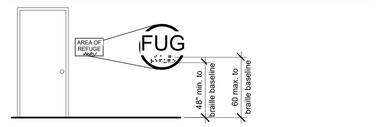
Ref: ICC/ANSI A117.1-2017, Fig. 610.3.1



L-Shaped Shower Compartment Seat

Ref: ICC/ANSI A117.1-2017, Fig. 610.3.2

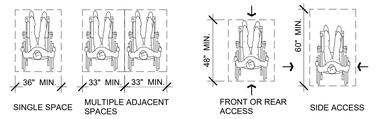
703 BRAILLE



Height of Braille Characters Above Floor

Ref: ICC/ANSI A117.1-2017, Fig. 703.4.10

802 AUDITORIUM AND ASSEMBLY AREAS



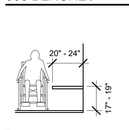
Width of a Wheelchair Space
in Auditorium and Assembly Areas

Ref: ICC/ANSI A117.1-2017, Fig. 802.3 (A-B)

Depth of a Wheelchair Space
in Auditorium and Assembly Areas

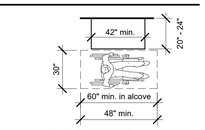
Ref: ICC/ANSI A117.1-2017, Fig. 802.4 (A-C)

903 BENCHES



Bench Height

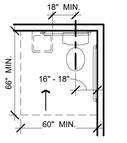
Ref: ICC/ANSI A117.1-2017, Fig. 903 (B)



Bench Seats Size & Clearance

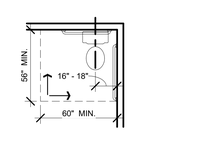
Ref: ICC/ANSI A117.1-2017, Fig. 305.5 (B) & Fig. 903 (A)

1103 TYPE A DWELLING UNITS



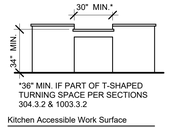
Forward Approach Water
Closet Clearance

Ref: ICC/ANSI A117.1-2017, Comply with 603 thru 610, Figure 1103.11.2.4 (A-D)



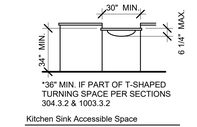
Parallel and Forward Approach
Water Closet Clearance

Ref: ICC/ANSI A117.1-2017, Comply with 603 thru 610, Figure 1103.11.2.4 (A,B)



Kitchen Accessible Work Surface

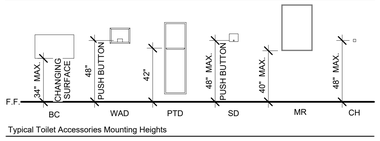
Ref: ICC/ANSI A117.1-2017, Fig. 1103.12.3



Kitchen Sink Accessible Space

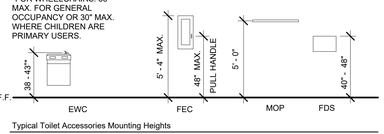
Ref: ICC/ANSI A117.1-2017, Fig. 1103.12.4

ACCESSORIES



Typical Toilet Accessories Mounting Heights

*FOR WHEELCHAIRS: 36" MAX. FOR GENERAL OCCUPANCY OR 30" MAX. WHERE CHILDREN ARE PRIMARY USERS.



Typical Toilet Accessories Mounting Heights

NOTE: THIS SHEET IS A REFERENCE FOR GENERAL ACCESSIBILITY REQUIREMENTS FROM ICC A117.1-2017. SOME DETAILS MAY REFERENCE ACCESSORIES OR CONDITIONS THAT DO NOT APPLY TO THIS SPECIFIC PROJECT.

CRAIG GAULDEN DAVIS PBK

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Greenville, SC 29601

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E-mail cgd@cgdarch.com

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ACCESSIBILITY STANDARDS

G102

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7 6 5 4 3 2 1

CODE SUMMARY: PROJECT NAME HERE

PROJECT BUILDING STATEMENT:

PROJECT STATEMENT HERE

PROJECT DESIGNED IN ACCORDANCE WITH:

INTERNATIONAL BUILDING CODE	2018 EDITION
INTERNATIONAL PLUMBING CODE	2018 EDITION
INTERNATIONAL MECHANICAL CODE	2018 EDITION
INTERNATIONAL FIRE PREVENTION CODE	2015 EDITION
INTERNATIONAL ENERGY CONSERVATION CODE	2012 EDITION
NATIONAL ELECTRICAL CODE	2017 EDITION
ICC/ANSI A A117.1	2017 EDITION

MUNICIPALITY AND/OR COUNTY WHERE PROJECT IS LOCATED:
CODE JURISDICTION FOR:
SITE WORK: TOWN OF TURBEVILLE FOR ZONING AND TABITHA HANNA - CLARENDON COUNTY PLANNING OFFICE FOR PERMITTING
WATER: ELLIS EVANS -TURBEVILLE WATER AND SEWER
SEWER: ELLIS EVANS - TURBEVILLE WATER AND SEWER
FIRE DEPARTMENT: MARK THOMPSON - CLARENDON COUNTY FIRE MARSHALL

USE AND OCCUPANCY CLASSIFICATION:

CONSTRUCTION TYPE (SECTION 602)	TYPE IV B
OCCUPANCY CLASSIFICATION (SECTION 302.1):	ASSEMBLY, A-3
ACCESSORY OCCUPANCY (SECTION 508):	N/A
NON-SEPARATED OCCUPANCIES (508.3):	N/A

GENERAL BUILDING HEIGHTS AND AREAS:

BUILDING AREA

	EXISTING SQ FT	NEW SQ FT	ALLOWABLE FLOOR AREA (TABLE 506.2)	AREA INCREASE DUE TO FRONTAGE (506.3.3)	TOTAL ALLOWABLE FLOOR AREA	TOTAL DESIGN AREA
1ST FLOOR	N/A	16,700	24,000	18,000	42,000	6,256
				TOTAL		6,256

BUILDING HEIGHT

	EXISTING HEIGHT	ALLOWABLE HEIGHT AND NUMBER OF STORIES (TABLE 504.3-.4)	TOTAL DESIGN HEIGHT
FEET	N/A	60'	30' 8-3/16"
STORIES	N/A	2	1

FIRE - RESISTANCE RATING REQUIREMENTS:

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS

BUILDING ELEMENT	RATING AS REQUIRED (HOURS)	RATING AS DESIGNED (HOURS)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES (TABLE 601)	0	0			
BEARING WALLS (TABLE 601)					
EXTERIOR	0	0			
INTERIOR	0	0			
EXTERIOR NONBEARING WALLS AND PARTITIONS (TABLE 602)					
LESS THAN 5'	1	N/A			
5' TO 10'	1	N/A			
10' TO 30'	1	N/A			
GREATER THAN 30'	0	0			
INTERIOR NONBEARING WALLS AND PARTITIONS (TABLE 601)	0	0			
FLOOR CONSTRUCTION, INCLUDING SUPPORTING BEAMS AND JOISTS (TABLE 601)	0	0			
ROOF CONSTRUCTION, INCLUDING SUPPORTING BEAMS AND JOISTS (TABLE 601)	0	0			
SHAFT ENCLOSURE (713)	1	N/A			
CORRIDOR SEPARATION (TABLE 1020.1)	0	0			
OCCUPANCY SEPARATION (TABLE 508.4)	1	0			
PARTY/ FIRE WALL SEPARATION	3	N/A			
SMOKE BARRIER SEPARATION (SECTION 709)	1	N/A			
TENANT SEPARATION (SECTION 708.1)	1/2	N/A			
INCIDENTAL USE SEPARATION	1	N/A			

WALL OPENINGS - AREAS AND FIRE PROTECTION RATINGS:

MAXIMUM AREA OF EXTERIOR WALL OPENINGS (TABLE 705.8)

CLASSIFICATION OF OPENING	FIRE SEPARATION DISTANCE (FEET)							
	0 TO 3	3 TO LESS THAN 5	5 TO LESS THAN 10	10 TO LESS THAN 15	15 TO LESS THAN 20	20 TO LESS THAN 25	25 TO LESS THAN 30	GREATER THAN 30
PROTECTED	NOT PERMITTED	15%	25%	45%	75%	NO LIMIT	NO LIMIT	NO LIMIT

OPENING PROTECTIVE FIRE PROTECTION RATINGS (SECTION 716 - TABLE 716.1(2))

TYPE OF ASSEMBLY	REQUIRED ASSEMBLY RATING (HOURS)	MINIMUM FIRE DOOR AND SHUTTER ASSEMBLY RATING (HOURS)
FIRE WALLS AND FIRE BARRIERS HAVING A REQUIRED FIRE-RESISTANCE RATING GREATER THAN 1 HOUR	4 3 2 1-1/2	3 3 1-1/2 1-1/2
ENCLOSURES FOR SHAFTS, INTERIOR EXIT STAIRWAYS AND INTERIOR EXIT RAMPS.	2	1-1/2
HORIZONTAL EXITS IN FIRE WALLS	4 3	3 3
FIRE BARRIERS OF 1-HOUR FIRE RESISTANCE - RATED CONSTRUCTION: SHAFT AND EXIT ENCLOSURE WALLS OTHER FIRE BARRIERS	 1 1	 1 3/4
FIRE PARTITIONS: CORRIDOR WALLS OTHER FIRE PARTITIONS	 1 0.5 1 0.5	 1/3 1/3 3/4 1/3
EXTERIOR WALLS	3 2 1	1-1/2 1-1/2 3/4
SMOKE BARRIERS	1	1/3

FIRE PROTECTION SYSTEMS:

OTHER FIRE PROTECTION REQUIREMENTS

ITEM	YES / NO	COMMENTS
ARE SMOKE BARRIERS REQUIRED? (SECTION 709)	Y / N	
IS DRAFT STOPPING REQUIRED? (SECTION 718.3.-4)	Y / N	--
IS FIRE BLOCKING REQUIRED? (SECTION 718.2)	Y / N	
ARE SPRINKLERS REQUIRED? (SECTION 903)	Y / N	
ARE STANDPIPES REQUIRED? (SECTION 905)	Y / N	--
IS A FIRE ALARM SYSTEM REQUIRED? (SECTION 907)	Y / N	
IS EMERGENCY LIGHTING PROVIDED?	Y / N	
ARE EXIT SIGNS PROVIDED?	Y / N	
ARE SMOKE DETECTION SYSTEMS REQUIRED?	Y / N	
IS PANIC HARDWARE PROVIDED?	Y / N	

OCCUPANCY LOAD:

LIBRARY - Room Occupancy Schedule

Number	Name	Occupancy Type	Area	Occupant Load Factor	Room Occupant Count Occupants Calculated
104	MEETING ROOM	A	901 SF	15	61
112	INFO	L	531 SF	50	11
112	ADULT	L	2094 SF	50	42
112	CHILDREN	L	1631 SF	50	33
107	STAFF WORKROOM	B	413 SF	150	3
110	OFFICE	B	147 SF	150	1
106	KITCHEN	K	93 SF	200	1
105	STOR	S	58 SF	300	1
108	STORAGE	S	57 SF	300	1
111	ELEC	S	68 SF	300	1
113	RISER	S	39 SF	300	1
114	JANITOR	S	29 SF	300	1
Grand total: 12			6061 SF		157

86 ppl

STRUCTURAL DESIGN INFORMATION:

FLOOR LIVE LOAD:

ROOF LIVE LOAD:
ROOF SNOW LOAD
FLAT ROOF SNOW LOAD (Pf):
SNOW EXPOSURE LOAD (Ce):
WINDOW LOADS
BASIC WIND SPEED (3-Sec Gust):
WIND IMPORTANCE FACTOR (Iw):
BUILDING CATEGORY:
SEISMIC LOADS
OCCUPANCY CATEGORY:
SITE CLASS:
DESIGN BASE SHEAR:

SNOW LOAD IMPORTANCE FACTOR (FACTOR I):
THERMAL FACTOR (Ct):

WIND EXPOSURE:
INTERNAL PRESSURE COEFFICIENT:
COMPONENT AND CLADDING WIND PRESSURE:

SPECTRAL RESPONSE COEFFICIENTS:
BASIC SEISMIC FORCE RESISTING SYSTEM:

ANALYSIS PROCEDURE:

PLUMBING INFORMATION:

WATER SYSTEM
NUMBER FIXTURE UNITS:
PEAK GPM:
SERVICE LINE SIZE:

SANITARY SEWER SYSTEM
LOADING (PLUMBING UNITS):
SERVICE LINE SIZE:
SLOPE:

MINIMUM NUMBER OF PLUMBING FACILITIES (TABLE 2902.1)

OCCUPANCY TYPE	MALE WATER CLOSETS		FEMALE WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS			SERVICE SINK	
	1 PER 125		1 PER 65		1 PER 200		1 PER 500			1- PER BLDG	
	PROV'D	REQ'D	PROV'D	REQ'D	PROV'D	REQ'D	PROV'D	REQ'D		PROV'D	REQ'D
ASSEMBLY (A-3)	1	1	2	2	3	2	1	1		1	1

MECHANICAL INFORMATION:

OVERALL THERMAL TRANSFER VALUE (OTTV):
HEATING LOAD:
COOLING LOAD:
OUTSIDE AIR (CFM/PERSON):

INSULATION (R)
EXTERIOR WALLS:
ROOF:
GLASS
U-FACTOR:
SC:
PERCENT TOTAL WALLS:

ELECTRICAL INFORMATION:

SERVICE TRANSFORMER BY UTILITY

PROVIDE THE FOLLOWING SERVICE INFORMATION
SERVICE VOLTAGE / PHASE:
AMPERES:
SERVICE ENTRANCE CONDUCTOR SIZE:
QUANTITY PER PHASE:
TOTAL CONNECTED LOAD (KVA):
ESTIMATED DEMAND FACTOR:
MAXIMUM DEMAND (KVA):
AVAILABLE FAULT CURRENT IN SYMMETRICAL AMPERES:
INTERRUPTING CAPACITY OF SERVICE OVER-CURRENT DEVICE:
TYPE OF GROUNDING ELECTRODE SYSTEM(S) :

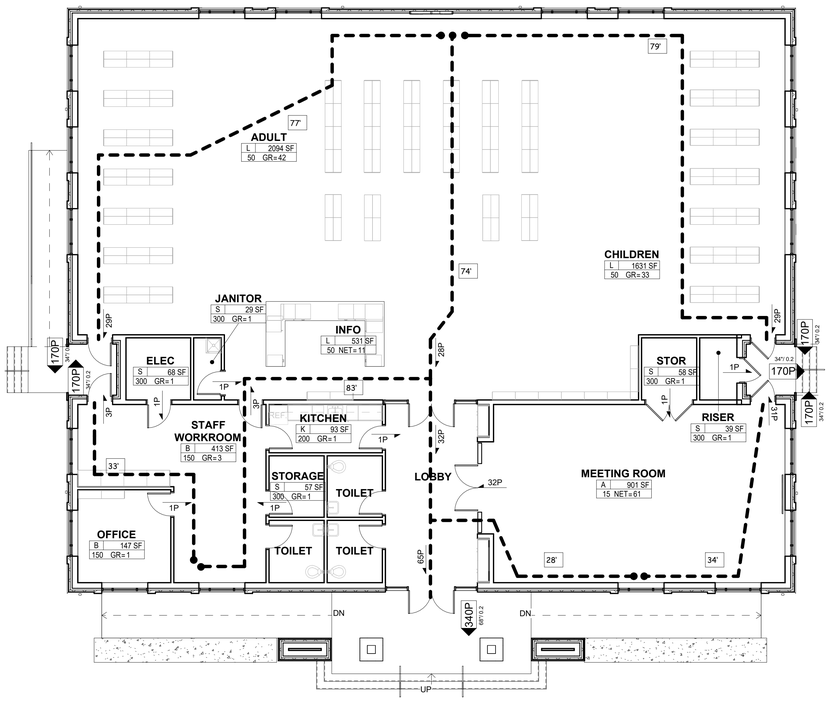
EMERGENCY GENERATOR (IF ANY)
KVA:
VOLTAGE / PHASE:
FUEL:

INTEGRAL BATTERY:
GENERATOR:
EMERGENCY EGRESS ILLUMINATION
(MIN FOOT CANDLES):
FIRE ALARM SYSTEM
TYPE:
ADDRESSABLE:
CLASS A OR B:
LIGHTNING PROTECTION PROVIDED:

SPECIAL INSPECTIONS:

SPECIAL INSPECTIONS REQUIRED: YES

* VERIFY REQUIREMENTS WITH LOCAL CODE OFFICIALS IF SPECIAL INSPECTIONS ARE REQUIRED.



A5 / LS101 LS - LEVEL 1 FLOOR PLAN
1/8" = 1'-0"

N
TRUE NORTH

LIFE SAFETY LEGEND

Room name USE 150 SF OLF Type=LOAD	OCCUPANCY USE GROUP & ROOM SQUARE FOOTAGE (OCCUPANT LOAD)
82P	OCCUPANT LOAD AT EXIT
100p	EXIT CAPACITY PROVIDED (DOOR)
100p	EXIT CAPACITY PROVIDED (STAIR)
100'	EXIT TRAVEL DISTANCE
	DIRECTION OF EXIT TRAVEL
20	RATED DOOR ASSEMBLY
FEC	FIRE EXTINGUISHER CABINET
N TRUE NORTH	NORTH ARROW

LIFE SAFETY NOTES

1. NOTE

CRAIG GAULDEN DAVIS PBK
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Greenville, SC 29601
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E-mail cgd@cgdarch.com

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LIFE SAFETY PLAN

LS101

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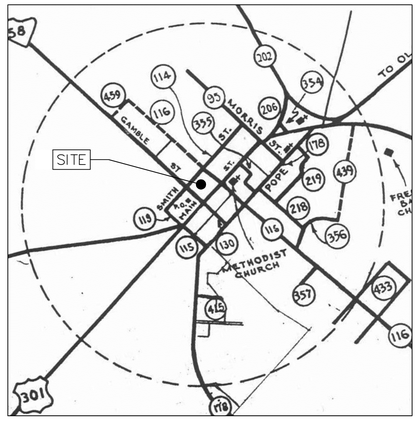
TURBEVILLE LIBRARY

US HWY 301/378 TURBEVILLE, SC

INDEX OF DRAWINGS:

1 COVER
2 SITE SURVEY
3 EXISTING CONDITIONS & PHASE ONE EROSION CONTROL PLAN
4 DEMOLITON PLAN
5 SITE & PHASE TWO EROSION CONTROL PLAN
6 UTILITY PLAN
7 STAKING PLAN
8 SCDOT PLAN AND DETAILS
9 SITE AND EROSION CONTROL DETAILS
10 SITE AND EROSION CONTROL DETAILS
11 SITE AND UTILITY DETAILS



DESIGNER CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN IS DESIGNED TO CONTAIN SOIL ON THE PROPERTY CONCERNED TO THE MAXIMUM EXTENT FEASIBLE, TO PROVIDE IMPROVEMENTS THEREON FROM THE EFFECTS OF FLOODING, TO PROVIDE FOR THE CONTROL OF THE RUNOFF FROM THE PROPERTY, AND THAT ALL PROVISIONS FOR THE SEDIMENT CONTROL AND STORM DRAINAGE ARE IN ACCORDANCE WITH THE STORMWATER MANAGEMENT AND SEDIMENT CONTROL ORDINANCE FOR CLARENDON COUNTY, SOUTH CAROLINA.

08/18/25
SIGNATURE / DATE

I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

The Palmetto Utility Protection Service, Inc.
810 Dutch Square Blvd, Suite 120 Columbia, South Carolina 29210 (803) 929-1117
South Carolina 811 Call 811 Before you Dig
3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 811
CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATORS EVERY 10 DAYS FOR AN UPDATE TO UTILITY LOCATIONS.

STEWARD ENGINEERING
Consulting Civil Engineers
1416 Saugus Ct
Chapin, SC 29036
Phone: (803) 716-0772

PROJECT TITLE:
HARVIN CLARENDON COUNTY LIBRARY
TURBEVILLE BRANCH LIBRARY
TURBEVILLE, SC

C.O.A.
STEWARD ENGINEERING
No. 7098
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 37611
08/29/25
REGISTERED PROFESSIONAL ENGINEER
MICHAEL J. STEWARD

SHEET TITLE: COVER SHEET	DATE	BY	REVISION DESCRIPTION

PROJECT ENGR. MJS
DESIGNED BY
DRAWN BY TC
CHECKED BY
APPROVED BY
DATE 08/29/25

SHEET NO.	OF
C1	11

FILE NO: 25015

CRAIG GAULDEN DAVIS PBK
Architecture
19 Washington Park
Greenville, SC 29601
Phone 864.242.0761
Fax 864.501.9945
E-mail cgd@cgdarch.com

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CONSULTANT

HARVIN CLARENDON COUNTY LIBRARY

TURBEVILLE BRANCH LIBRARY

1178 Smith Street
Turbeville, S.C. 29162

DATE	MARK	DESCRIPTION

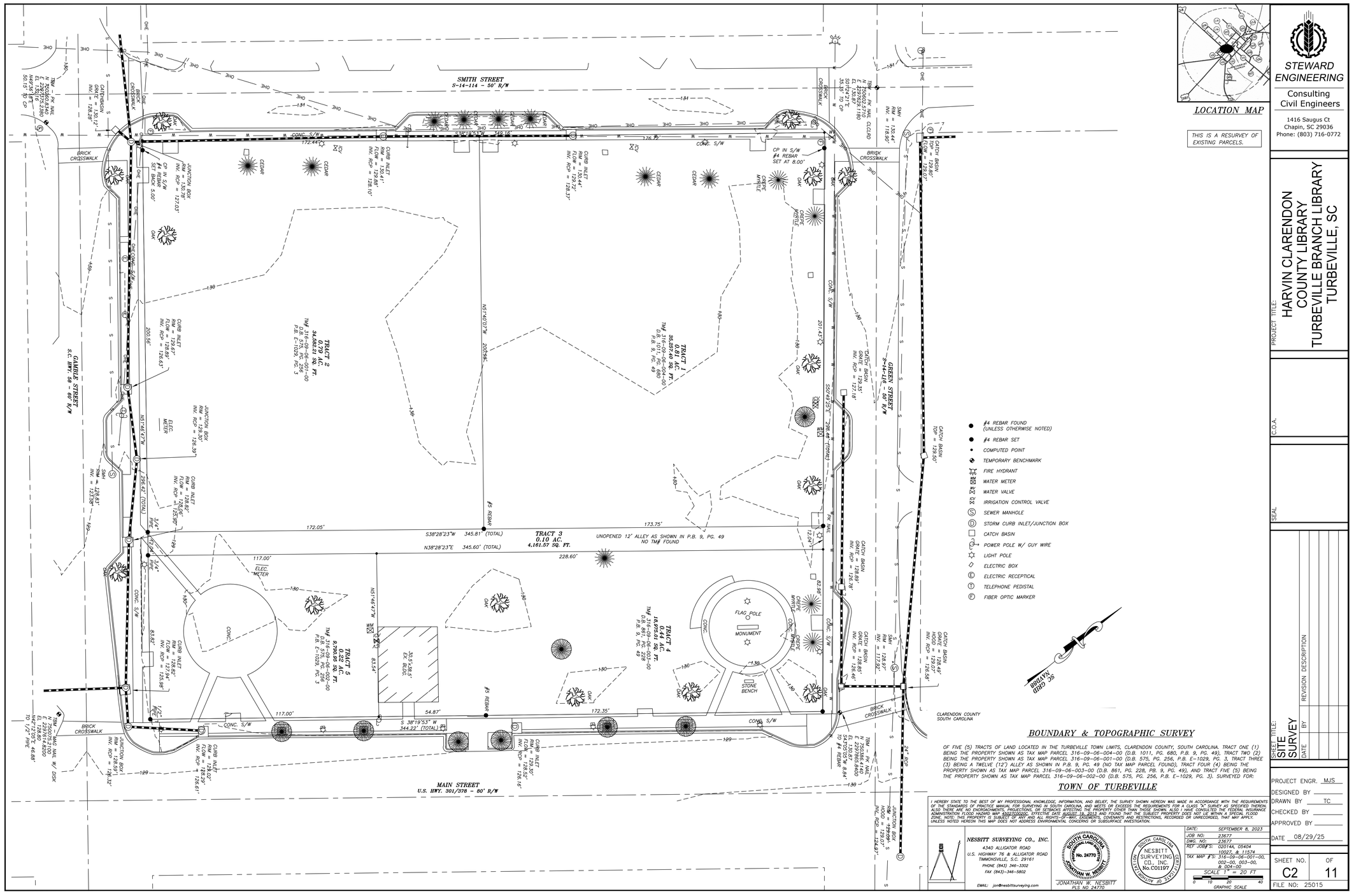
ISSUE:	CONSTRUCTION DOCUMENTS
DATE:	08/29/2025
PROJECT NO:	22067
DRAWN BY:	
CHECKED BY:	

COVER SHEET

C1

F E D C B A

7 6 5 4 3 2 1



LOCATION MAP

THIS IS A RESURVEY OF EXISTING PARCELS.

CLARENDON COUNTY
SOUTH CAROLINA

BOUNDARY & TOPOGRAPHIC SURVEY

OF FIVE (5) TRACTS OF LAND LOCATED IN THE TURBEVILLE TOWN LIMITS, CLARENDON COUNTY, SOUTH CAROLINA. TRACT ONE (1) BEING THE PROPERTY SHOWN AS TAX MAP PARCEL 316-09-06-004-00 (D.B. 1011, PG. 680, P.B. 9, PG. 49), TRACT TWO (2) BEING THE PROPERTY SHOWN AS TAX MAP PARCEL 316-09-06-001-00 (D.B. 575, PG. 256, P.B. E-1029, PG. J), TRACT THREE (3) BEING A TWELVE (12') ALLEY AS SHOWN IN P.B. 9, PG. 49 (NO TAX MAP PARCEL FOUND), TRACT FOUR (4) BEING THE PROPERTY SHOWN AS TAX MAP PARCEL 316-09-06-003-00 (D.B. 861, PG. 228, PB. 9, PG. 49), AND TRACT FIVE (5) BEING THE PROPERTY SHOWN AS TAX MAP PARCEL 316-09-06-002-00 (D.B. 575, PG. 256, P.B. E-1029, PG. 3). SURVEYED FOR:

TOWN OF TURBEVILLE

I HEREBY STATE TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN; ALSO THERE ARE NO ENCROACHMENTS, PROJECTIONS, OR SETBACKS AFFECTING THE PROPERTY OTHER THAN THOSE SHOWN. ALSO I HAVE CONSULTED THE FEDERAL INSURANCE ADMINISTRATION FLOOD HAZARD MAP 0060C0006D, EFFECTIVE DATE AUGUST 16, 2021 AND FOUND THAT THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA. NOTE: THIS SURVEY IS SUBJECT TO ANY EASEMENTS, RESTRICTIONS, AND RESERVATIONS, RECORDED OR UNRECORDED, THAT MAY APPLY. UNLESS NOTED HEREON THIS MAP DOES NOT ADDRESS ENVIRONMENTAL CONCERNS OR SUBSURFACE INVESTIGATION.

NESBITT SURVEYING CO., INC.
4340 ALLIGATOR ROAD
U.S. HIGHWAY 76 & ALLIGATOR ROAD
TIMMONSVILLE, S.C. 29161
PHONE (843) 346-3302
FAX (843)-346-5802
EMAIL: jon@nesbittsurveying.com

JONATHAN W. NESBITT
PLS NO 24770

NESBITT SURVEYING CO., INC. No.C01197

DATE: SEPTEMBER 8, 2023
JOB NO: 23677
DWG. NO: 23677
REF JOB #'S: 020114A, 05404 10027, & 11574
TAX MAP #'S: 316-09-06-001-00, 002-00, 003-00, & 004-00

SCALE 1" = 20 FT
0 10 20 40
GRAPHIC SCALE

STEWARD ENGINEERING
Consulting Civil Engineers
1416 Saugus Ct
Chapin, SC 29036
Phone: (803) 716-0772

PROJECT TITLE:
HARVIN CLARENDON COUNTY LIBRARY
TURBEVILLE BRANCH LIBRARY
TURBEVILLE, SC

C.O.A.

SEAL

SHEET TITLE: SITE SURVEY	DATE	BY	REVISION DESCRIPTION

PROJECT ENGR. MJS
DESIGNED BY
DRAWN BY TC
CHECKED BY
APPROVED BY
DATE 08/29/25

SHEET NO. C2 OF 11
FILE NO: 25015

CRAIG GAULDEN DAVIS PBK
Architecture
19 Washington Park
Greenville, SC 29601
Phone 864.242.0761
Fax 864.501.9945
E-mail cgd@cgdarch.com

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Turbeville, S.C. 29162

DATE	MARK	DESCRIPTION

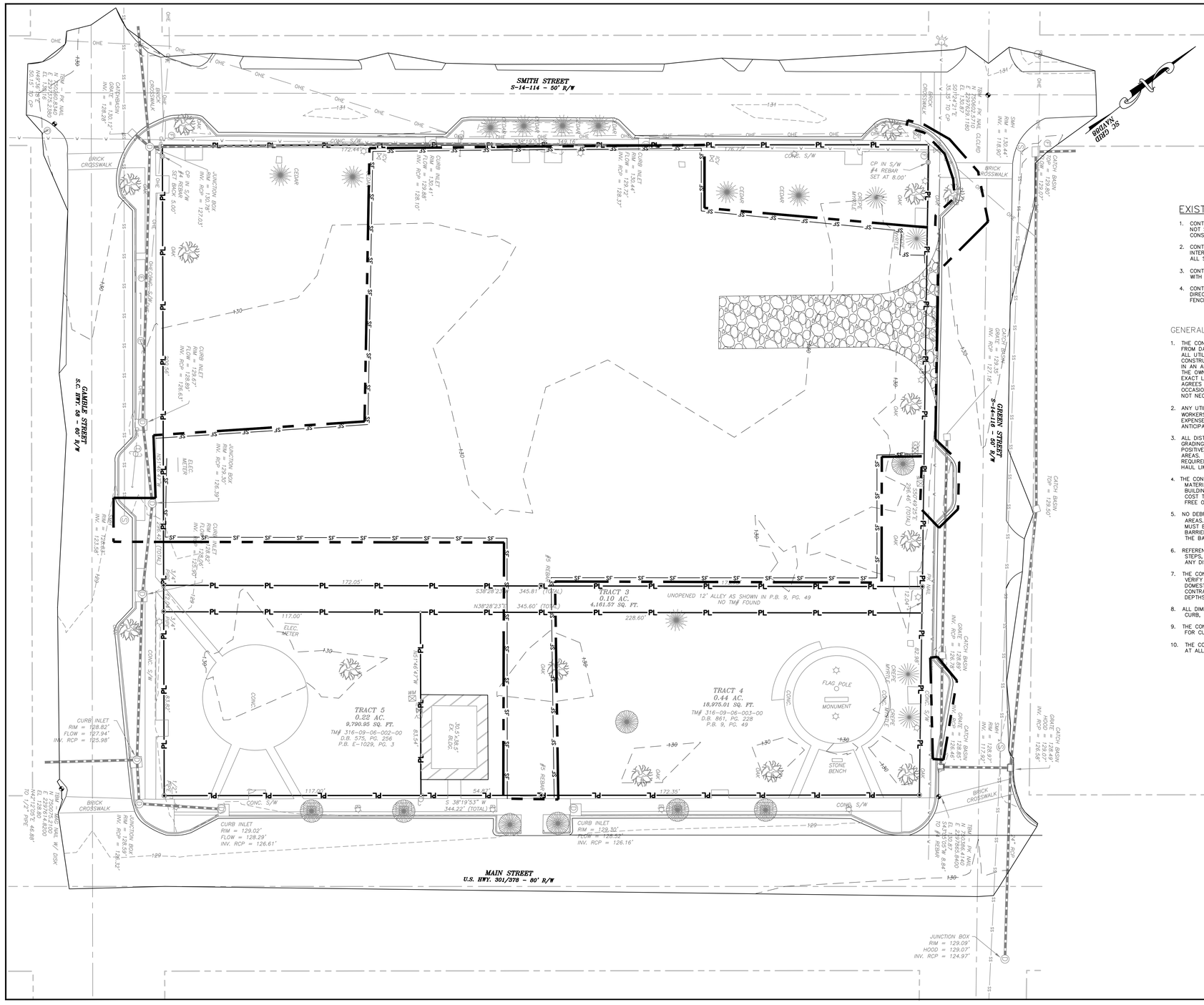
ISSUE: CONSTRUCTION DOCUMENTS
DATE: 08/29/2025
PROJECT NO: 22067
DRAWN BY:
CHECKED BY:

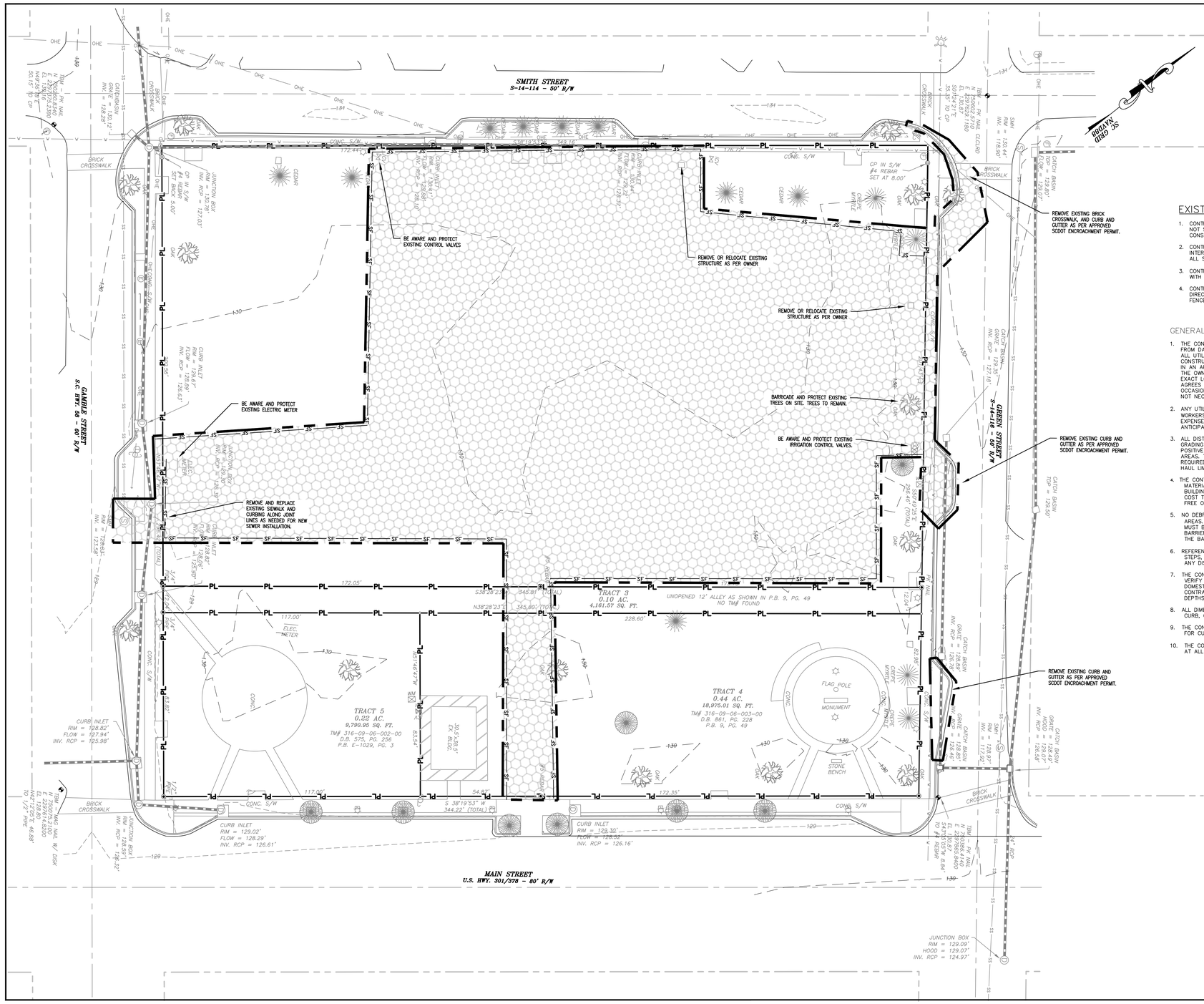
SITE SURVEY

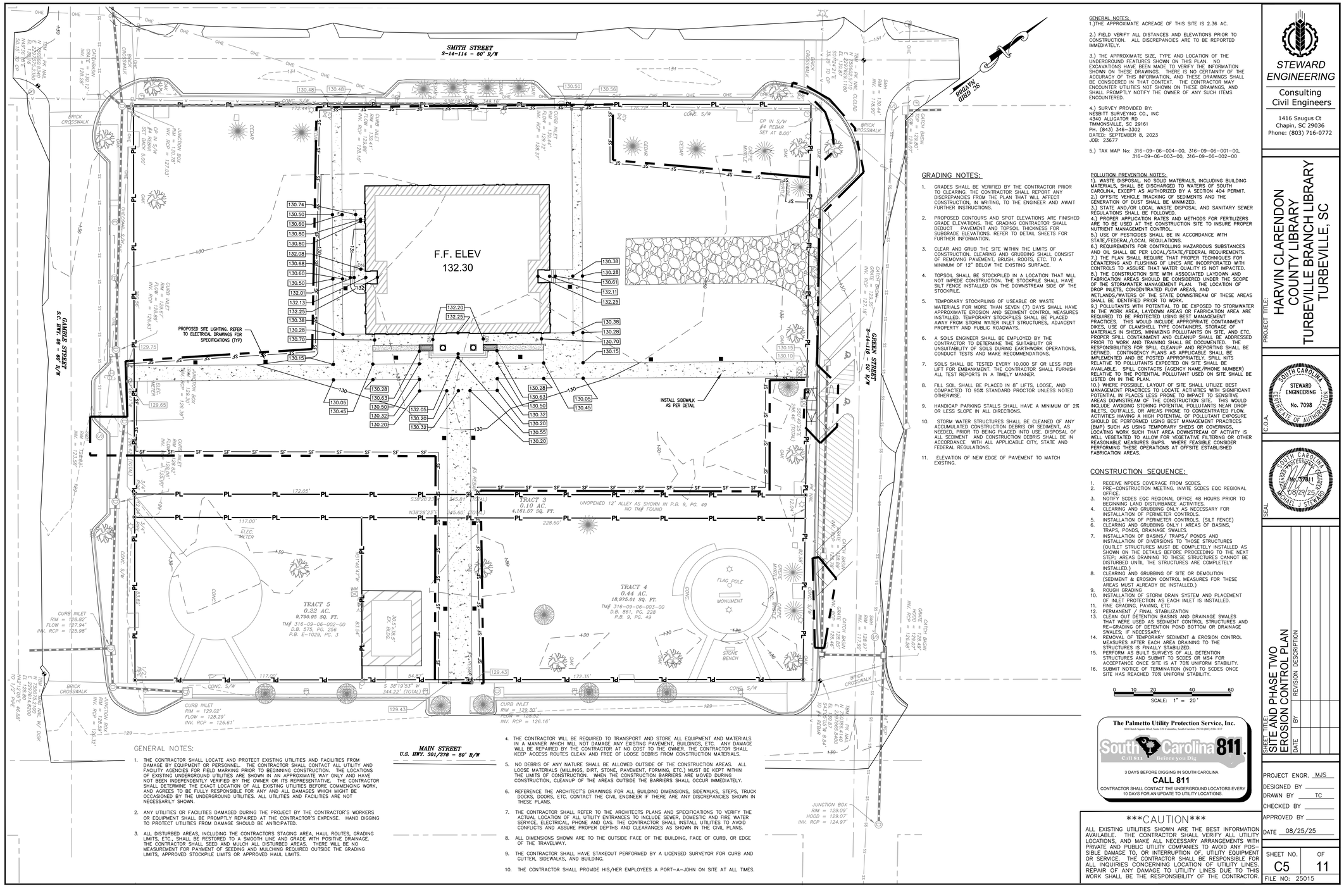
C2

F E D C B A

7 6 5 4 3 2 1


SMITH STREET
S-14-114 - 50' R/W
GAMBLE STREET
S.C. HWY. 50 - 60' R/W
GREEN STREET
S-14-119 - 50' R/W
MAIN STREET
U.S. HWY. 301/378 - 80' R/W
SC HWY 260
TRACT 3
0.10 AC.
4,161.57 SQ. FT.
TRACT 4
0.44 AC.
18,975.01 SQ. FT.
TM# 316-09-06-003-00
D.B. 861, PG. 228
P.B. 9, PG. 49
TRACT 5
0.22 AC.
9,790.95 SQ. FT.
TM# 316-09-06-002-00
D.B. 575, PG. 256
P.B. E-1029, PG. 3
UNOPENED 12' ALLEY AS SHOWN IN P.B. 9, PG. 49
NO TM# FOUND
CONC. S/W
BRICK CROSSWALK
CP IN S/W
#4 REBAR
SET AT 8.00'
JUNCTION BOX
RIM = 130.78'
INV. RCP = 127.03'
CURB INLET
RIM = 129.48'
FLOW = 129.28'
INV. RCP = 126.10'
CURB INLET
RIM = 129.72'
INV. RCP = 128.37'
CATCH BASIN
GRATE = 129.35'
INV. RCP = 127.18'
CATCH BASIN
TOP = 129.60'
INV. RCP = 126.20'
CATCH BASIN
TOP = 129.50'
CATCH BASIN
GRATE = 128.89'
HOOD = 128.49'
INV. RCP = 126.29'
CATCH BASIN
GRATE = 128.85'
HOOD = 128.45'
INV. RCP = 126.25'
CATCH BASIN
HOOD = 128.49'
INV. RCP = 126.29'
CATCH BASIN
HOOD = 128.49'
INV. RCP = 126.29'
CURB INLET
RIM = 129.65'
INV. RCP = 126.63'
JUNCTION BOX
RIM = 129.30'
INV. RCP = 126.39'
CURB INLET
RIM = 128.82'
FLOW = 128.62'
INV. RCP = 125.98'
JUNCTION BOX
RIM = 129.40'
INV. RCP = 125.59'
CURB INLET
RIM = 129.02'
FLOW = 128.29'
INV. RCP = 126.61'
CURB INLET
RIM = 129.30'
FLOW = 128.12'
INV. RCP = 126.16'
JUNCTION BOX
RIM = 129.09'
HOOD = 129.07'
INV. RCP = 124.97'
SMH
RIM = 130.44'
INV. = 116.80'
SMH
RIM = 129.97'
INV. = 117.92'
TBM = PK NAIL
N: 1393931.1180
E: 2392921.7180
ELEV. = 131.35'
SOUTH CAROLINA
COORDINATE SYSTEM
NAD 83 (2011)
EPOCH 2010.0000
LAT 33°46'36.16"
LONG 79°57'14.22"
ELEV 128.80
N: 1394161.1400
E: 2392761.2200
ELEV = 128.80'
1/2" PIPE
0.48' BELOW
TO 1/2" PIPE
FOUND
#5 REBAR
W/ CAP
#5 REBAR
SET
ELEC. METER
WM
OHE
SS
SF
PL
JS
CONC
OAK
CEDAR
CRAPE MYRTLE
FLAG POLE
MONUMENT
STONE BENCH
0.5' BELOW
TO TOP OF
PIPE
0.4' BELOW
TO TOP OF
PIPE
0.8' BELOW
TO TOP OF
PIPE
0.6' BELOW
TO TOP OF
PIPE
0.8' BELOW
TO TOP OF
PIPE
0.4


SMITH STREET
S-14-114 - 50' R/W
GAMBLE STREET
S.C. HWY. 58 - 60' R/W
GREEN STREET
S-14-119 - 50' R/W
MAIN STREET
U.S. HWY. 301/378 - 80' R/W
TRACT 3
0.10 AC.
4,161.57 SQ. FT.
TRACT 4
0.44 AC.
18,975.01 SQ. FT.
TM# 316-09-06-003-00
D.B. 861, PG. 228
P.B. 9, PG. 49
TRACT 5
0.22 AC.
9,790.95 SQ. FT.
TM# 316-09-06-002-00
D.B. 575, PG. 256
P.B. E-1029, PG. 3
UNOPENED 12' ALLEY AS SHOWN IN P.B. 9, PG. 49
NO TM# FOUND
BE AWARE AND PROTECT EXISTING CONTROL VALVES
REMOVE OR RELOCATE EXISTING STRUCTURE AS PER OWNER
BE AWARE AND PROTECT EXISTING ELECTRIC METER
REMOVE AND REPLACE EXISTING SIDWALK AND CURBING ALONG JOINT LINES AS NEEDED FOR NEW SEWER INSTALLATION.
BARRICADE AND PROTECT EXISTING TREES ON SITE. TREES TO REMAIN.
BE AWARE AND PROTECT EXISTING IRRIGATION CONTROL VALVES.
REMOVE EXISTING BRICK CROSSWALK, AND CURB AND GUTTER AS PER APPROVED SCDOT ENCROACHMENT PERMIT.
REMOVE EXISTING CURB AND GUTTER AS PER APPROVED SCDOT ENCROACHMENT PERMIT.
REMOVE EXISTING CURB AND GUTTER AS PER APPROVED SCDOT ENCROACHMENT PERMIT.
FLAG POLE
MONUMENT
STONE BENCH
BRICK CROSSWALK
CONC. S/W
CURB INLET
RIM = 128.82'
FLOW = 127.94'
INV. RCP = 125.98'
CURB INLET
RIM = 129.02'
FLOW = 128.29'
INV. RCP = 126.61'
CURB INLET
RIM = 129.10'
FLOW = 128.42'
INV. RCP = 126.16'
JUNCTION BOX
RIM = 129.09'
HOOD = 129.07'
INV. RCP = 124.97'
CATCH BASIN
TOP = 129.20'
INV. RCP = 125.56'
CATCH BASIN
GRATE = 128.85'
INV. RCP = 126.45'
CATCH BASIN
GRATE = 128.89'
INV. RCP = 126.25'
CATCH BASIN
GRATE = 129.35'
INV. RCP = 127.18'
CATCH BASIN
GRATE = 128.43'
INV. RCP = 126.56'
SMH
RIM = 128.97'
INV. = 117.42'
SMH
RIM = 130.44'
INV. = 118.80'
TBM = PK NAIL
N: 1302603.8340
E: 2327614.4200
ELEV. = 130.12'
TBM = PK NAIL
N: 1302603.1180
E: 2327629.1180
ELEV. = 131.87'
TBM = PK NAIL
N: 1302865.4400
E: 2327614.8200
ELEV. = 131.87'
CP IN S/W
#4 REBAR
SET 5.00'
CP IN S/W
#4 REBAR
SET AT 8.00'
#5 REBAR
#5 REBAR
#5 REBAR



GENERAL NOTES:

1. THE CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UTILITIES AND FACILITIES FROM DAMAGE BY EQUIPMENT OR PERSONNEL. THE CONTRACTOR SHALL CONTACT ALL UTILITY AND FACILITY AGENCIES FOR FIELD MARKING PRIOR TO BEGINNING CONSTRUCTION. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE UNDERGROUND UTILITIES. ALL UTILITIES AND FACILITIES ARE NOT NECESSARILY SHOWN.
2. ANY UTILITIES OR FACILITIES DAMAGED DURING THE PROJECT BY THE CONTRACTOR'S WORKERS OR EQUIPMENT SHALL BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE. HAND DIGGING TO PROTECT UTILITIES FROM DAMAGE SHOULD BE ANTICIPATED.
3. ALL DISTURBED AREAS, INCLUDING THE CONTRACTORS STAGING AREA, HAUL ROUTES, GRADING LIMITS, ETC., SHALL BE RESTORED TO A SMOOTH LINE AND GRADE WITH POSITIVE DRAINAGE. THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS. THERE WILL BE NO MEASUREMENT FOR PAYMENT OF SEEDING AND MULCHING REQUIRED OUTSIDE THE GRADING LIMITS, APPROVED STOCKPILE LIMITS OR APPROVED HAUL LIMITS.
4. THE CONTRACTOR WILL BE REQUIRED TO TRANSPORT AND STORE ALL EQUIPMENT AND MATERIALS IN A MANNER WHICH WILL NOT DAMAGE ANY EXISTING PAVEMENT, BUILDINGS, ETC. ANY DAMAGE WILL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. THE CONTRACTOR SHALL KEEP ACCESS ROUTES CLEAN AND FREE OF LOOSE DEBRIS FROM CONSTRUCTION MATERIALS.
5. NO DEBRIS OF ANY NATURE SHALL BE ALLOWED OUTSIDE OF THE CONSTRUCTION AREAS. ALL LOOSE MATERIALS (MILLINGS, DIRT, STONE, PAVEMENT, FORMING, ETC.) MUST BE KEPT WITHIN THE LIMITS OF CONSTRUCTION. WHEN THE CONSTRUCTION BARRIERS ARE MOVED DURING CONSTRUCTION, CLEANUP OF THE AREAS OUTSIDE THE BARRIERS SHALL OCCUR IMMEDIATELY.
6. REFERENCE THE ARCHITECT'S DRAWINGS FOR ALL BUILDING DIMENSIONS, SIDEWALKS, STEPS, TRUCK DOCKS, DOORS, ETC. CONTACT THE CIVIL ENGINEER IF THERE ARE ANY DISCREPANCIES SHOWN IN THESE PLANS.
7. THE CONTRACTOR SHALL REFER TO THE ARCHITECTS PLANS AND SPECIFICATIONS TO VERIFY THE ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SEWER, DOMESTIC AND FIRE WATER SERVICE, ELECTRICAL, PHONE AND GAS. THE CONTRACTOR SHALL INSTALL UTILITIES TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS AND CLEARANCES AS SHOWN IN THE CIVIL PLANS.
8. ALL DIMENSIONS SHOWN ARE TO THE OUTSIDE FACE OF THE BUILDING, FACE OF CURB, OR EDGE OF THE TRAVELWAY.
9. THE CONTRACTOR SHALL HAVE STAKEOUT PERFORMED BY A LICENSED SURVEYOR FOR CURB AND GUTTER, SIDEWALKS, AND BUILDING.
10. THE CONTRACTOR SHALL PROVIDE HIS/HER EMPLOYEES A PORT-A-JOHN ON SITE AT ALL TIMES.

GENERAL NOTES:

1.)THE APPROXIMATE ACREAGE OF THIS SITE IS 2.36 AC.

2.) FIELD VERIFY ALL DISTANCES AND ELEVATIONS PRIOR TO CONSTRUCTION. ALL DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY.

3.) THE APPROXIMATE SIZE, TYPE AND LOCATION OF THE UNDERGROUND FEATURES SHOWN ON THIS PLAN. NO EXCAVATIONS HAVE BEEN MADE TO VERIFY THE INFORMATION SHOWN ON THESE DRAWINGS. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION, AND THESE DRAWINGS SHALL BE CONSIDERED IN THAT CONTEXT. THE CONTRACTOR MAY ENCOUNTER UTILITIES NOT SHOWN ON THESE DRAWINGS, AND SHALL PROMPTLY NOTIFY THE OWNER OF ANY SUCH ITEMS ENCOUNTERED.

4.) SURVEY PROVIDED BY:
NESBITT SURVEYING CO., INC
4340 ALLIGATOR RD
TIMMONSVILLE, SC 29161
PH. (843) 346-3302
DATED: SEPTEMBER 8, 2023
JOB: 23677

5.) TAX MAP No: 316-09-06-004-00, 316-09-06-001-00, 316-09-06-003-00, 316-09-06-002-00

GRADING NOTES:

1. GRADES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CLEARING. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES FROM THE PLAN THAT WILL AFFECT CONSTRUCTION, IN WRITING, TO THE ENGINEER AND AWAIT FURTHER INSTRUCTIONS.
2. PROPOSED CONTOURS AND SPOT ELEVATIONS ARE FINISHED GRADE ELEVATIONS. THE GRADING CONTRACTOR SHALL DEDUCT PAVEMENT AND TOPSOIL THICKNESS FOR SUBGRADE ELEVATIONS. REFER TO DETAIL SHEETS FOR FURTHER INFORMATION.
3. CLEAR AND GRUB THE SITE WITHIN THE LIMITS OF CONSTRUCTION. CLEARING AND GRUBBING SHALL CONSIST OF REMOVING PAVEMENT, BRUSH, ROOTS, ETC. TO A MINIMUM OF 12" BELOW THE EXISTING SURFACE.
4. TOPSOIL SHALL BE STOCKPILED IN A LOCATION THAT WILL NOT IMPEDE CONSTRUCTION. THE STOCKPILE SHALL HAVE SILT FENCE INSTALLED ON THE DOWNSTREAM SIDE OF THE STOCKPILE.
5. TEMPORARY STOCKPILING OF USEABLE OR WASTE MATERIALS FOR MORE THAN SEVEN (7) DAYS SHALL HAVE APPROXIMATE EROSION AND SEDIMENT CONTROL MEASURES INSTALLED. TEMPORARY STOCKPILES SHALL BE PLACED AWAY FROM STORM WATER INLET STRUCTURES, ADJACENT PROPERTY AND PUBLIC ROADWAYS.
6. A SOILS ENGINEER SHALL BE EMPLOYED BY THE CONTRACTOR TO DETERMINE THE SUITABILITY OR UNSUITABILITY OF SOILS DURING EARTHWORK OPERATIONS, CONDUCT TESTS AND MAKE RECOMMENDATIONS.
7. SOILS SHALL BE TESTED EVERY 10,000 SF OR LESS PER LIFT FOR EMBANKMENT. THE CONTRACTOR SHALL FURNISH ALL TEST REPORTS IN A TIMELY MANNER.
8. FILL SOIL SHALL BE PLACED IN 8" LIFTS, LOOSE, AND COMPACTED TO 95% STANDARD PROCTOR UNLESS NOTED OTHERWISE.
9. HANDICAP PARKING STALLS SHALL HAVE A MINIMUM OF 2% OR LESS SLOPE IN ALL DIRECTIONS.
10. STORM WATER STRUCTURES SHALL BE CLEANED OF ANY ACCUMULATED CONSTRUCTION DEBRIS OR SEDIMENT, AS NEEDED, PRIOR TO BEING PLACED INTO USE. DISPOSAL OF ALL SEDIMENT AND CONSTRUCTION DEBRIS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CITY, STATE AND FEDERAL REGULATIONS.
11. ELEVATION OF NEW EDGE OF PAVEMENT TO MATCH EXISTING.

POLLUTION PREVENTION NOTES:

1). WASTE DISPOSAL. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF SOUTH CAROLINA, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
2.) OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED.
3.) STATE AND/OR LOCAL WASTE DISPOSAL AND SANITARY SEWER REGULATIONS SHALL BE FOLLOWED.
4.) PROPER APPLICATION RATES AND METHODS FOR FERTILIZERS ARE TO BE USED AT THE CONSTRUCTION SITE TO INSURE PROPER NUTRIENT MANAGEMENT CONTROL.
5.) USE OF PESTICIDES SHALL BE IN ACCORDANCE WITH STATE/FEDERAL/LOCAL REGULATIONS.
6.) REQUIREMENTS FOR CONTROLLING HAZARDOUS SUBSTANCES AND OIL SHALL BE PER LOCAL/STATE/FEDERAL REQUIREMENTS.
7.) THE PLAN SHALL REQUIRE THAT PROPER TECHNIQUES FOR DEWATERING AND FLUSHING OF LINES ARE INCORPORATED WITH CONTROLS TO ASSURE THAT WATER QUALITY IS NOT IMPACTED.
8.) THE CONSTRUCTION SITE WITH ASSOCIATED LAYDOWN AND FABRICATION AREAS SHOULD BE CONSIDERED UNDER THE SCOPE OF THE STORMWATER MANAGEMENT PLAN. THE LOCATION OF DROP INLETS, CONCENTRATED FLOW AREAS, AND WETLANDS/WATERS OF THE STATE DOWNSTREAM OF THESE AREAS SHALL BE IDENTIFIED PRIOR TO WORK.
9.) POLLUTANTS WITH POTENTIAL TO BE EXPOSED TO STORMWATER IN THE WORK AREA, LAYDOWN AREAS OR FABRICATION AREA ARE REQUIRED TO BE PROTECTED USING BEST MANAGEMENT PRACTICES. THIS WOULD INCLUDE APPROPRIATE CONTAINMENT DIKES, USE OF CLAMSHELL TYPE CONTAINERS, STORAGE OF MATERIALS IN SHEDS, MINIMIZING POLLUTANTS ON SITE, AND ETC. PROPER SPILL CONTAINMENT AND CLEANUP SHALL BE ADDRESSED PRIOR TO WORK AND TRAINING SHALL BE DOCUMENTED. THE RESPONSIBILITIES FOR SPILL CLEANUP AND REPORTING SHALL BE DEFINED. CONTINGENCY PLANS AS APPLICABLE SHALL BE IMPLEMENTED AND BE POSTED APPROPRIATELY. SPILL KITS RELATIVE TO POLLUTANTS EXPECTED ON SITE SHALL BE AVAILABLE. SPILL CONTACTS (AGENCY NAME/PHONE NUMBER) RELATIVE TO THE POTENTIAL POLLUTANT USED ON SITE SHALL BE LISTED ON IN THE PLAN.
10.) WHERE POSSIBLE, LAYOUT OF SITE SHALL UTILIZE BEST MANAGEMENT PRACTICES TO LOCATE ACTIVITIES WITH SIGNIFICANT POTENTIAL IN PLACES LESS PRONE TO IMPACT TO SENSITIVE AREAS DOWNSTREAM OF THE CONSTRUCTION SITE. THIS WOULD INCLUDE AVOIDING STORING POTENTIAL POLLUTANTS NEAR DROP INLETS, OUTFALLS, OR AREAS PRONE TO CONCENTRATED FLOW. ACTIVITIES HAVING A HIGH POTENTIAL OF POLLUTANT EXPOSURE SHOULD BE PERFORMED USING BEST MANAGEMENT PRACTICES (BMP) SUCH AS USING TEMPORARY SHEDS OR COVERINGS. LOCATING WORK SUCH THAT AREA DOWNSTREAM OF ACTIVITY IS WELL VEGETATED TO ALLOW FOR VEGETATIVE FILTERING OR OTHER REASONABLE MEASURES BMPS. WHERE FEASIBLE CONSIDER PERFORMING THESE OPERATIONS AT OFFSITE ESTABLISHED FABRICATION AREAS.

CONSTRUCTION SEQUENCE:

1. RECEIVE NPDES COVERAGE FROM SCDES.
2. PRE-CONSTRUCTION MEETING. INVITE SCDES EQC REGIONAL OFFICE.
3. NOTIFY SCDES EQC REGIONAL OFFICE 48 HOURS PRIOR TO BEGINNING LAND DISTURBANCE ACTIVITIES.
4. CLEARING AND GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS.
5. INSTALLATION OF PERIMETER CONTROLS. (SILT FENCE)
6. CLEARING AND GRUBBING ONLY I AREAS OF BASINS, TRAPS, PONDS, DRAINAGE SWALES.
7. INSTALLATION OF BASINS/ TRAPS/ PONDS AND INSTALLATION OF DIVERSIONS TO THOSE STRUCTURES (OUTLET STRUCTURES MUST BE COMPLETELY INSTALLED AS SHOWN ON THE DETAILS BEFORE PROCEEDING TO THE NEXT STEP; AREAS DRAINING TO THESE STRUCTURES CANNOT BE DISTURBED UNTIL THE STRUCTURES ARE COMPLETELY INSTALLED.)
8. CLEARING AND GRUBBING OF SITE OR DEMOLITION (SEDIMENT & EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED.)
9. ROUGH GRADING
10. INSTALLATION OF STORM DRAIN SYSTEM AND PLACEMENT OF INLET PROTECTION AS EACH INLET IS INSTALLED.
11. FINE GRADING, PAVING, ETC
12. PERMANENT / FINAL STABILIZATION
13. CLEAN OUT DETENTION BASINS AND DRAINAGE SWALES THAT WERE USED AS SEDIMENT CONTROL STRUCTURES AND RE-GRADING OF DETENTION POND BOTTOM OR DRAINAGE SWALES; IF NECESSARY.
14. REMOVAL OF TEMPORARY SEDIMENT & EROSION CONTROL MEASURES AFTER EACH AREA DRAINING TO THE STRUCTURES IS FINALLY STABILIZED.
15. PERFORM AS BUILT SURVEYS OF ALL DETENTION STRUCTURES AND SUBMIT TO SCDES OR MS4 FOR ACCEPTANCE ONCE SITE IS AT 70% UNIFORM STABILITY.
16. SUBMIT NOTICE OF TERMINATION (NOT) TO SCDES ONCE SITE HAS REACHED 70% UNIFORM STABILITY.

0 10 20 40 60
SCALE: 1" = 20'

The Palmetto Utility Protection Service, Inc.
810 Dutch Square Blvd, Suite 320 Columbia, South Carolina 29210 (803) 939-1117
South Carolina 811 Call 811 Before you Dig
3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 811
CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATORS EVERY 10 DAYS FOR AN UPDATE TO UTILITY LOCATIONS.

CAUTION

ALL EXISTING UTILITIES SHOWN ARE THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS, AND MAKE ALL NECESSARY ARRANGEMENTS WITH PRIVATE AND PUBLIC UTILITY COMPANIES TO AVOID ANY POSSIBLE DAMAGE TO, OR INTERRUPTION OF, UTILITY EQUIPMENT OR SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INQUIRIES CONCERNING LOCATION OF UTILITY LINES. REPAIR OF ANY DAMAGE TO UTILITY LINES DUE TO THIS WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

STEWARD ENGINEERING
Consulting Civil Engineers
1416 Saugus Ct
Chapin, SC 29036
Phone: (803) 716-0772

PROJECT TITLE:
HARVIN CLARENDON COUNTY LIBRARY
TURBEVILLE BRANCH LIBRARY
TURBEVILLE, SC

SOUTH CAROLINA PROFESSIONAL ENGINEER STEWARD ENGINEERING No. 7098 CERTIFICATE OF AUTHORIZATION
C.O.A.

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 37811 08/29/25 REGISTERED PROFESSIONAL ENGINEER
SEAL

SHEET TITLE:
SITE AND PHASE TWO EROSION CONTROL PLAN

DATE	BY	REVISION DESCRIPTION

PROJECT ENGR. MJS
DESIGNED BY
DRAWN BY TC
CHECKED BY
APPROVED BY
DATE 08/25/25

SHEET NO. C5 OF 11
FILE NO: 25015

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Turbeville, S.C. 29162

DATE	MARK	DESCRIPTION

ISSUE: CONSTRUCTION DOCUMENTS
DATE: 08/29/2025
PROJECT NO: 22067
DRAWN BY:
CHECKED BY:

SITE AND PHASE TWO EROSION CONTROL PLAN

C5

F E D C B A

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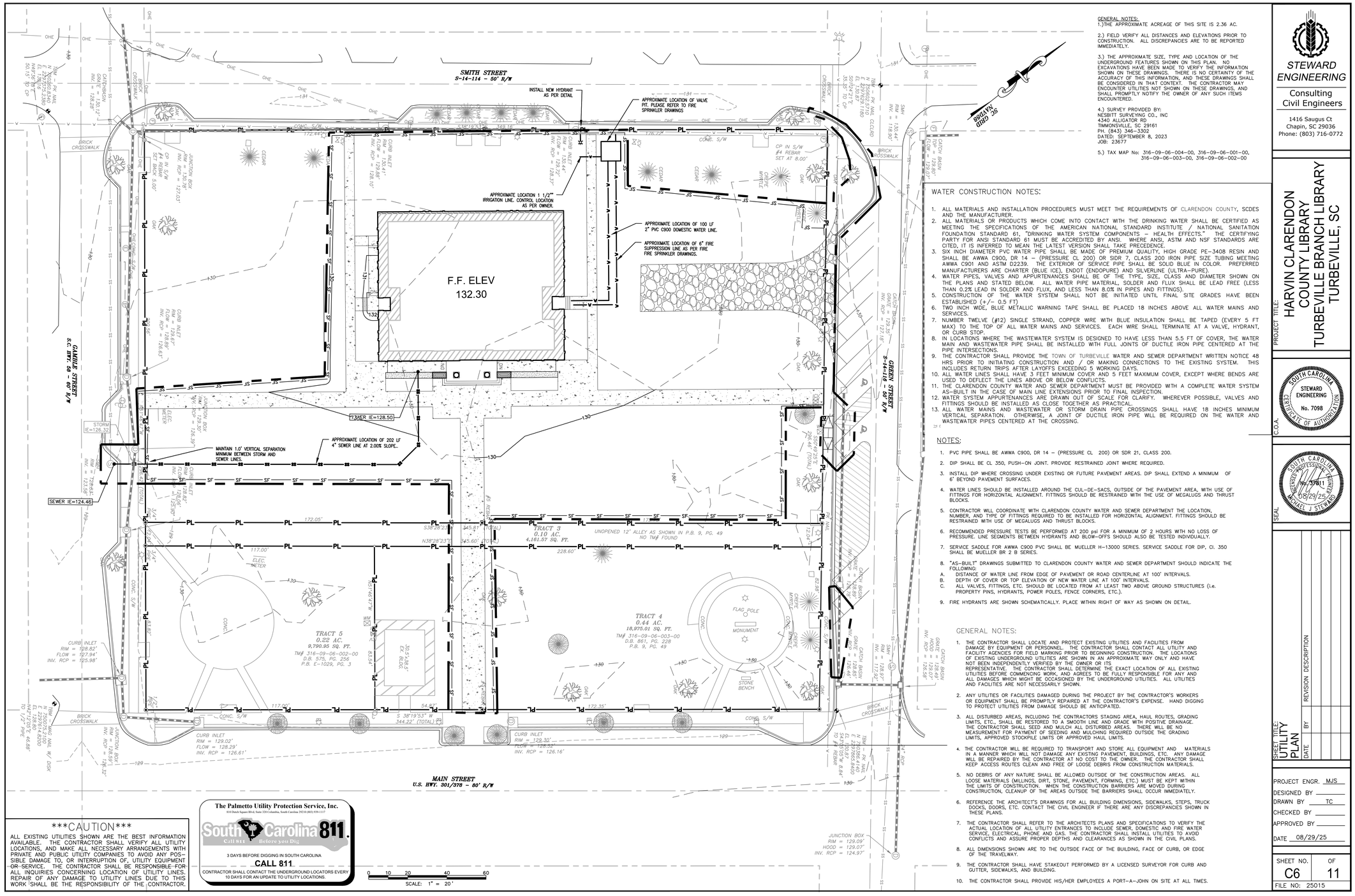

CAUTION

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South Carolina 811 Call Sc1 Before you Dig

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA.
CALL 811.
CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATORS EVERY 10 DAYS FOR AN UPDATE TO UTILITY LOCATIONS.

0 10 20 40 60
SCALE: 1" = 20'

GENERAL NOTES:
1.)THE APPROXIMATE ACREAGE OF THIS SITE IS 2.36 AC.

2.) FIELD VERIFY ALL DISTANCES AND ELEVATIONS PRIOR TO CONSTRUCTION. ALL DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY.

3.) THE APPROXIMATE SIZE, TYPE AND LOCATION OF THE UNDERGROUND FEATURES SHOWN ON THIS PLAN. NO EXCAVATIONS HAVE BEEN MADE TO VERIFY THE INFORMATION SHOWN ON THESE DRAWINGS. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION, AND THESE DRAWINGS SHALL BE CONSIDERED IN THAT CONTEXT. THE CONTRACTOR MAY ENCOUNTER UTILITIES NOT SHOWN ON THESE DRAWINGS, AND SHALL PROMPTLY NOTIFY THE OWNER OF ANY SUCH ITEMS ENCOUNTERED.

4.) SURVEY PROVIDED BY:
NESBITT SURVEYING CO., INC
4340 ALLIGATOR RD
TIMMONSVILLE, SC 29161
PH. (843) 346-3302
DATED: SEPTEMBER 8, 2023
JOB: 23677

5.) TAX MAP No: 316-09-06-004-00, 316-09-06-001-00, 316-09-06-003-00, 316-09-06-002-00

WATER CONSTRUCTION NOTES:

1. ALL MATERIALS AND INSTALLATION PROCEDURES MUST MEET THE REQUIREMENTS OF CLARENDON COUNTY, SCDES AND THE MANUFACTURER.
2. ALL MATERIALS OR PRODUCTS WHICH COME INTO CONTACT WITH THE DRINKING WATER SHALL BE CERTIFIED AS MEETING THE SPECIFICATIONS OF THE AMERICAN NATIONAL STANDARD INSTITUTE / NATIONAL SANITATION FOUNDATION STANDARD 61, "DRINKING WATER SYSTEM COMPONENTS – HEALTH EFFECTS." THE CERTIFYING PARTY FOR ANSI STANDARD 61 MUST BE ACCREDITED BY ANSI. WHERE ANSI, ASTM AND NSF STANDARDS ARE CITED, IT IS INFERRED TO MEAN THE LATEST VERSION SHALL TAKE PRECEDENCE.
3. SIX INCH DIAMETER PVC WATER PIPE SHALL BE MADE OF PREMIUM QUALITY, HIGH GRADE PE-3408 RESIN AND SHALL BE AWWA C900, DR 14 – (PRESSURE CL 200) OR SIDR 7, CLASS 200 IRON PIPE SIZE TUBING MEETING AWWA C901 AND ASTM D2239. THE EXTERIOR OF SERVICE PIPE SHALL BE SOLID BLUE IN COLOR. PREFERRED MANUFACTURERS ARE CHARTER (BLUE ICE), ENDOT (ENDOPURE) AND SILVERLINE (ULTRA-PURE).
4. WATER PIPES, VALVES AND APPURTENANCES SHALL BE OF THE TYPE, SIZE, CLASS AND DIAMETER SHOWN ON THE PLANS AND STATED BELOW. ALL WATER PIPE MATERIAL, SOLDER AND FLUX SHALL BE LEAD FREE (LESS THAN 0.2% LEAD IN SOLDER AND FLUX, AND LESS THAN 8.0% IN PIPES AND FITTINGS).
5. CONSTRUCTION OF THE WATER SYSTEM SHALL NOT BE INITIATED UNTIL FINAL SITE GRADES HAVE BEEN ESTABLISHED (+/- 0.5 FT)
6. TWO INCH WIDE, BLUE METALLIC WARNING TAPE SHALL BE PLACED 18 INCHES ABOVE ALL WATER MAINS AND SERVICES.
7. NUMBER TWELVE (#12) SINGLE STRAND, COPPER WIRE WITH BLUE INSULATION SHALL BE TAPED (EVERY 5 FT MAX) TO THE TOP OF ALL WATER MAINS AND SERVICES. EACH WIRE SHALL TERMINATE AT A VALVE, HYDRANT, OR CURB STOP.
8. IN LOCATIONS WHERE THE WASTEWATER SYSTEM IS DESIGNED TO HAVE LESS THAN 5.5 FT OF COVER, THE WATER MAIN AND WASTEWATER PIPE SHALL BE INSTALLED WITH FULL JOINTS OF DUCTILE IRON PIPE CENTERED AT THE PIPE INTERSECTIONS.
9. THE CONTRACTOR SHALL PROVIDE THE TOWN OF TURBEVILLE WATER AND SEWER DEPARTMENT WRITTEN NOTICE 48 HRS PRIOR TO INITIATING CONSTRUCTION AND / OR MAKING CONNECTIONS TO THE EXISTING SYSTEM. THIS INCLUDES RETURN TRIPS AFTER LAYOFFS EXCEEDING 5 WORKING DAYS.
10. ALL WATER LINES SHALL HAVE 3 FEET MINIMUM COVER AND 5 FEET MAXIMUM COVER, EXCEPT WHERE BENDS ARE USED TO DEFLECT THE LINES ABOVE OR BELOW CONFLICTS.
11. THE CLARENDON COUNTY WATER AND SEWER DEPARTMENT MUST BE PROVIDED WITH A COMPLETE WATER SYSTEM AS-BUILT IN THE CASE OF MAIN LINE EXTENSIONS PRIOR TO FINAL INSPECTION.
12. WATER SYSTEM APPURTENANCES ARE DRAWN OUT OF SCALE FOR CLARIFY. WHEREVER POSSIBLE, VALVES AND FITTINGS SHOULD BE INSTALLED AS CLOSE TOGETHER AS PRACTICAL.
13. ALL WATER MAINS AND WASTEWATER OR STORM DRAIN PIPE CROSSINGS SHALL HAVE 18 INCHES MINIMUM VERTICAL SEPARATION. OTHERWISE, A JOINT OF DUCTILE IRON PIPE WILL BE REQUIRED ON THE WATER AND WASTEWATER PIPES CENTERED AT THE CROSSING.

NOTES:
1. PVC PIPE SHALL BE AWWA C900, DR 14 – (PRESSURE CL 200) OR SDR 21, CLASS 200.
2. DIP SHALL BE CL 350, PUSH-ON JOINT. PROVIDE RESTRAINED JOINT WHERE REQUIRED.
3. INSTALL DIP WHERE CROSSING UNDER EXISTING OR FUTURE PAVEMENT AREAS. DIP SHALL EXTEND A MINIMUM OF 6' BEYOND PAVEMENT SURFACES.
4. WATER LINES SHOULD BE INSTALLED AROUND THE CUL-DE-SACS, OUTSIDE OF THE PAVEMENT AREA, WITH USE OF FITTINGS FOR HORIZONTAL ALIGNMENT. FITTINGS SHOULD BE RESTRAINED WITH THE USE OF MEGALUGS AND THRUST BLOCKS.
5. CONTRACTOR WILL COORDINATE WITH CLARENDON COUNTY WATER AND SEWER DEPARTMENT THE LOCATION, NUMBER, AND TYPE OF FITTINGS REQUIRED TO BE INSTALLED FOR HORIZONTAL ALIGNMENT. FITTINGS SHOULD BE RESTRAINED WITH USE OF MEGALUGS AND THRUST BLOCKS.
6. RECOMMENDED PRESSURE TESTS BE PERFORMED AT 200 psi FOR A MINIMUM OF 2 HOURS WITH NO LOSS OF PRESSURE. LINE SEGMENTS BETWEEN HYDRANTS AND BLOW-OFFS SHOULD ALSO BE TESTED INDIVIDUALLY.
7. SERVICE SADDLE FOR AWWA C900 PVC SHALL BE MUELLER H-13000 SERIES. SERVICE SADDLE FOR DIP, CL. 350 SHALL BE MUELLER BR 2 B SERIES.
8. "AS-BUILT" DRAWINGS SUBMITTED TO CLARENDON COUNTY WATER AND SEWER DEPARTMENT SHOULD INDICATE THE FOLLOWING:
   A. DISTANCE OF WATER LINE FROM EDGE OF PAVEMENT OR ROAD CENTERLINE AT 100' INTERVALS.
   B. DEPTH OF COVER OR TOP ELEVATION OF NEW WATER LINE AT 100' INTERVALS.
   C. ALL VALVES, FITTINGS, ETC. SHOULD BE LOCATED FROM AT LEAST TWO ABOVE GROUND STRUCTURES (i.e. PROPERTY PINS, HYDRANTS, POWER POLES, FENCE CORNERS, ETC.).
9. FIRE HYDRANTS ARE SHOWN SCHEMATICALLY. PLACE WITHIN RIGHT OF WAY AS SHOWN ON DETAIL.

GENERAL NOTES:

1. THE CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UTILITIES AND FACILITIES FROM DAMAGE BY EQUIPMENT OR PERSONNEL. THE CONTRACTOR SHALL CONTACT ALL UTILITY AND FACILITY AGENCIES FOR FIELD MARKING PRIOR TO BEGINNING CONSTRUCTION. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE UNDERGROUND UTILITIES. ALL UTILITIES AND FACILITIES ARE NOT NECESSARILY SHOWN.
2. ANY UTILITIES OR FACILITIES DAMAGED DURING THE PROJECT BY THE CONTRACTOR'S WORKERS OR EQUIPMENT SHALL BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE. HAND DIGGING TO PROTECT UTILITIES FROM DAMAGE SHOULD BE ANTICIPATED.
3. ALL DISTURBED AREAS, INCLUDING THE CONTRACTORS STAGING AREA, HAUL ROUTES, GRADING LIMITS, ETC., SHALL BE RESTORED TO A SMOOTH LINE AND GRADE WITH POSITIVE DRAINAGE. THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS. THERE WILL BE NO MEASUREMENT FOR PAYMENT OF SEEDING AND MULCHING REQUIRED OUTSIDE THE GRADING LIMITS, APPROVED STOCKPILE LIMITS OR APPROVED HAUL LIMITS.
4. THE CONTRACTOR WILL BE REQUIRED TO TRANSPORT AND STORE ALL EQUIPMENT AND MATERIALS IN A MANNER WHICH WILL NOT DAMAGE ANY EXISTING PAVEMENT, BUILDINGS, ETC. ANY DAMAGE WILL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. THE CONTRACTOR SHALL KEEP ACCESS ROUTES CLEAN AND FREE OF LOOSE DEBRIS FROM CONSTRUCTION MATERIALS.
5. NO DEBRIS OF ANY NATURE SHALL BE ALLOWED OUTSIDE OF THE CONSTRUCTION AREAS. ALL LOOSE MATERIALS (MILLINGS, DIRT, STONE, PAVEMENT, FORMING, ETC.) MUST BE KEPT WITHIN THE LIMITS OF CONSTRUCTION. WHEN THE CONSTRUCTION BARRIERS ARE MOVED DURING CONSTRUCTION, CLEANUP OF THE AREAS OUTSIDE THE BARRIERS SHALL OCCUR IMMEDIATELY.
6. REFERENCE THE ARCHITECT'S DRAWINGS FOR ALL BUILDING DIMENSIONS, SIDEWALKS, STEPS, TRUCK DOCKS, DOORS, ETC. CONTACT THE CIVIL ENGINEER IF THERE ARE ANY DISCREPANCIES SHOWN IN THESE PLANS.
7. THE CONTRACTOR SHALL REFER TO THE ARCHITECTS PLANS AND SPECIFICATIONS TO VERIFY THE ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SEWER, DOMESTIC AND FIRE WATER SERVICE, ELECTRICAL, PHONE AND GAS. THE CONTRACTOR SHALL INSTALL UTILITIES TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS AND CLEARANCES AS SHOWN IN THE CIVIL PLANS.
8. ALL DIMENSIONS SHOWN ARE TO THE OUTSIDE FACE OF THE BUILDING, FACE OF CURB, OR EDGE OF THE TRAVELWAY.
9. THE CONTRACTOR SHALL HAVE STAKEOUT PERFORMED BY A LICENSED SURVEYOR FOR CURB AND GUTTER, SIDEWALKS, AND BUILDING.
10. THE CONTRACTOR SHALL PROVIDE HIS/HER EMPLOYEES A PORT-A-JOHN ON SITE AT ALL TIMES.

STEWARD ENGINEERING
Consulting Civil Engineers
1416 Saugus Ct
Chapin, SC 29036
Phone: (803) 716-0772

PROJECT TITLE:
HARVIN CLARENDON COUNTY LIBRARY
TURBEVILLE BRANCH LIBRARY
TURBEVILLE, SC

C.O.A. STEWARD ENGINEERING No. 7098

SEAL: SOUTH CAROLINA PROFESSIONAL ENGINEER 27811 08/29/25 MICHAEL J. STEWARD

SHEET TITLE: UTILITY PLAN

DATE	BY	REVISION DESCRIPTION

PROJECT ENGR. MJS
DESIGNED BY
DRAWN BY TC
CHECKED BY
APPROVED BY
DATE 08/29/25

SHEET NO. C6 OF 11
FILE NO: 25015

CRAIG GAULDEN DAVIS PBK
Architecture
19 Washington Park
Greenville, SC 29601
Phone 864.242.0761
Fax 864.501.9945
E-mail cgd@cgdarch.com

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CONSULTANT

HARVIN CLARENDON COUNTY LIBRARY

TURBEVILLE BRANCH LIBRARY
1178 Smith Street
Turbeville, S.C. 29162

DATE	MARK	DESCRIPTION

ISSUE:	CONSTRUCTION DOCUMENTS
DATE:	08/29/2025
PROJECT NO:	22067
DRAWN BY:	
CHECKED BY:	

UTILITY PLAN

C6

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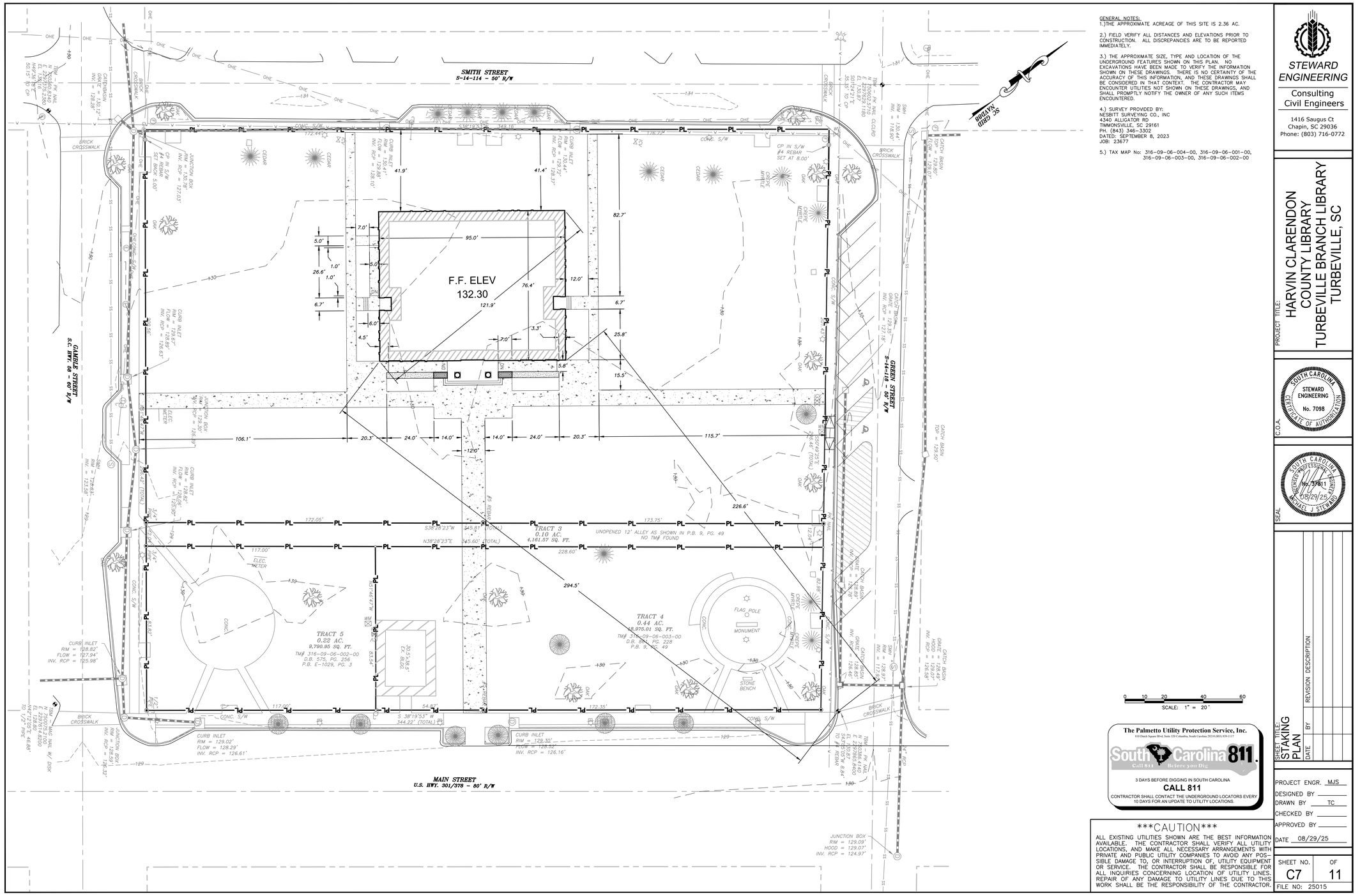

GENERAL NOTES:
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PH. (843) 346-3302
DATED: SEPTEMBER 8, 2023
JOB: 23677

5.) TAX MAP No: 316-09-06-004-00, 316-09-06-001-00, 316-09-06-003-00, 316-09-06-002-00

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TURBEVILLE, SC

C.O.A. SOUTH CAROLINA STEWARD ENGINEERING No. 7098 CERTIFICATE OF AUTHORIZATION

SEAL: SOUTH CAROLINA PROFESSIONAL ENGINEER No. 37811 08/29/25 MICHAEL STEWART

SHEET TITLE: STAKING PLAN	DATE	BY	REVISION DESCRIPTION

PROJECT ENGR. MJS
DESIGNED BY
DRAWN BY TC
CHECKED BY
APPROVED BY
DATE 08/29/25

SHEET NO. C7 OF 11
FILE NO: 25015

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STAKING PLAN

C7

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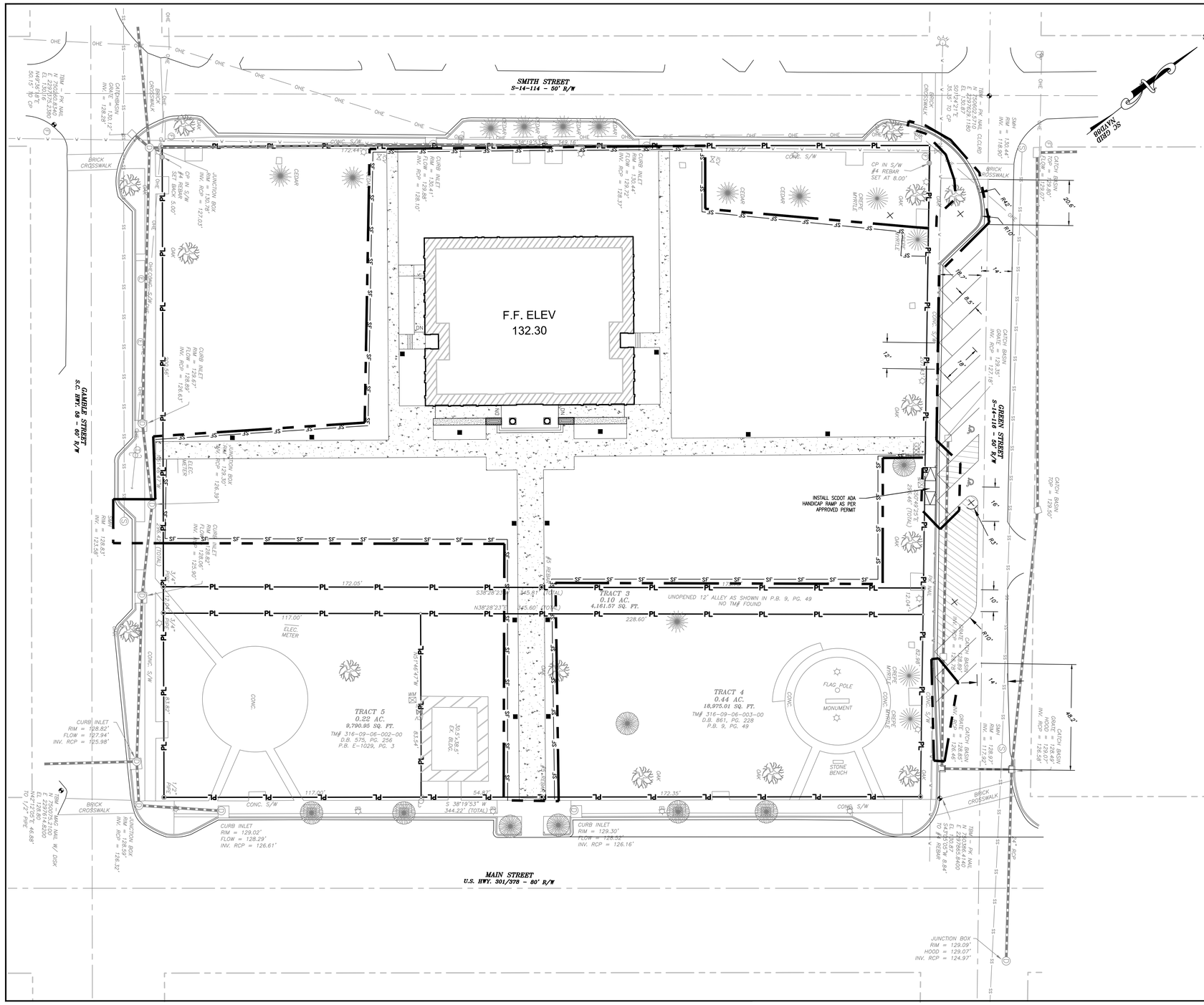
SMITH STREET
S-14-114 - 50' R/W
GAMBLE STREET
S.C. HWY. 58 - 60' R/W
MAIN STREET
U.S. HWY. 301/378 - 80' R/W
GREEN STREET
S-14-119 - 50' R/W
F.F. ELEV
132.30
TRACT 5
0.22 AC.
9,790.95 SQ. FT.
TM# 316-09-06-002-00
D.B. 575, PG. 256
P.B. E-1029, PG. 3
TRACT 3
0.10 AC.
4,181.57 SQ. FT.
TRACT 4
0.44 AC.
18,975.01 SQ. FT.
TM# 316-09-06-003-00
D.B. 861, PG. 228
P.B. 9, PG. 49
UNOPENED 12' ALLEY AS SHOWN IN P.B. 9, PG. 49
NO TM# FOUND
INSTALL SCDOT ADA HANDICAP RAMP AS PER APPROVED PERMIT
BRICK CROSSWALK
CONC. S/W
CURB INLET
RIM = 128.82'
FLOW = 127.94'
INV. RCP = 125.98'
JUNCTION BOX
RIM = 130.78'
INV. RCP = 127.03'
CURB INLET
RIM = 129.68'
FLOW = 128.89'
INV. RCP = 126.63'
CURB INLET
RIM = 129.72'
INV. RCP = 128.37'
CURB INLET
RIM = 129.30'
FLOW = 128.42'
INV. RCP = 126.16'
CURB INLET
RIM = 129.02'
FLOW = 128.29'
INV. RCP = 126.61'
JUNCTION BOX
RIM = 129.09'
HOOD = 129.07'
INV. RCP = 124.97'
CATCH BASIN
TOP = 129.60'
FLOW = 129.26'
CATCH BASIN
TOP = 129.50'
GRATE = 128.85'
INV. RCP = 125.49'
CATCH BASIN
GRATE = 128.89'
INV. RCP = 125.45'
CATCH BASIN
GRATE = 128.85'
INV. RCP = 125.49'
CATCH BASIN
GRATE = 128.85'
INV. RCP = 125.45'
JUNCTION BOX
RIM = 128.83'
INV. E = 123.58'
JUNCTION BOX
RIM = 128.80'
INV. RCP = 126.32'
CATCH BASIN
INV. E = 126.28'
TBM - PK NAIL
N 1503601.8340
E 2327075.2380
EL = 130.12'
N49°39'18"E
30.15' TO CP
TBM - PK NAIL
N 1503601.8340
E 2327029.1180
EL = 130.87'
S51°40'42"E
35.35' TO CP
TBM - PK NAIL
N 1503601.8340
E 2327614.4520
EL = 128.80'
S38°19'53"E
46.88' TO 1/2" PIPE
TBM - PK NAIL
N 1503865.8400
E 2327865.8400
EL = 130.87'
S51°40'42"E
46.84' TO 1/2" PIPE
SMH
RIM = 130.44'
INV. = 118.80'
SMH
RIM = 128.97'
INV. = 117.92'
SMH
RIM = 128.97'
INV. = 117.92'
CP IN S/W
#4 REBAR
SET AT 8.00'
#5 REBAR
SET AT 5.00'
#5 REBAR
SET AT 5.00'
#5 REBAR
SET AT 5

MAP NOTES:

1. ALL EXISTING BOUNDARY AND TOPOGRAPHIC INFORMATION TAKEN FROM A LAND SURVEY PREPARED BY: NESBITT SURVEYING CO., INC
2. TRANSFER OF SITE BENCHMARK(S) IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL ONLY BE COMPLETED BY A SURVEYOR LICENSED/REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
3. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING BENCHMARK PRIOR TO ANY CONSTRUCTION AND SHALL REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER. FIELD VERIFICATION CAN BE ACCOMPLISHED BY CHECKING A MINIMUM OF TWO FIXED OBJECTS DISPLAYED ON THE SURVEY (i.e. MANHOLE RIM, STORM GRATE, PIPE INVERTS, ETC.).
4. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION, OR DISTURBANCE OF VEGETATION [TO THE WATER QUALITY BUFFER AREAS] EXCEPT AS PERMITTED BY THE PUBLIC WORKS.

STORM DRAINAGE NOTES:

1. SEE GENERAL NOTES ON EACH SHEET
2. ALL RCP PIPE SHALL BE CLASS III WATERTIGHT REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED.
3. LOCATIONS AND TOP ELEVATIONS OF INLETS AND STRUCTURES WILL BE ADJUSTED IN THE FIELD BY THE CONTRACTOR WHERE NECESSARY AND SHALL BE APPROVED BY THE ENGINEER.
4. INVERTS SHOWN ON PLAN DRAWING ARE PIPE INVERTS.
5. PRE-CAST STORM STRUCTURES W/ KNOCK OUT PANELS CAN BE NO GREATER THAN 6' IN DEPTH.
6. CROSS LINE PIPES SHALL BE COMPACTED IN 12" LIFTS TO 95% STANDARD PROCTOR AND THE LAST 12" COMPACTED TO 100% STANDARD PROCTOR.

GRADING NOTES:

1. SEE GENERAL NOTES ON EACH SHEET.
2. ALL LAND DISTURBING OPERATIONS SHALL BE IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
3. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL HORIZONTAL AND VERTICAL SURVEY CONTROLS.
4. CONTRACTOR SHALL REMOVE ALL STRIPPINGS, DEBRIS AND EXCESS EXCAVATED MATERIALS FROM THE SITE AND DISPOSE OF IN A LEGAL MANNER.
5. THE CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATIONS AND GRADING INCLUDING FURNISHING OFF-SITE BORROW AS REQUIRED TO MEET PLAN GRADES.
6. IF UNSUITABLE SUBGRADE MATERIALS ARE ENCOUNTERED, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT (FROM OFF-SITE BORROW MATERIAL) OF ALL UNSUITABLE MATERIAL TO MEET COMPACTION REQUIREMENTS UNDER PAVED SURFACES. UNSUITABLE MATERIALS ARE THOSE CLASSIFIED AS MH, CH, OH, OL AND PEAT IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, UNLESS APPROVED IN WRITING BY THE PROJECT GEOTECHNICAL ENGINEER. THE SITE ENGINEER AND GEOTECHNICAL ENGINEER, SHALL BE NOTIFIED IMMEDIATELY UPON ENCOUNTERING UNSUITABLE SUBGRADE MATERIAL.
7. CONTRACTOR SHALL UNIFORMLY GRADE BEHIND CURBS, ROADS, ETC. TO MATCH EXISTING GRADES. LANDSCAPE ISLANDS SHALL BE GRADED TO DRAIN OVER CURBS.
8. GRADE ENTIRE SITE TO PROVIDE POSITIVE DRAINAGE TO EXISTING OR NEW DRAINAGE FACILITIES.
9. COMPACTION REQUIREMENTS ARE AS FOLLOWS OR AS STATED IN THE GEOTECHNICAL REPORT, WHICHEVER IS MORE STRINGENT:
   A. SUBGRADES UNDER PAVED AREAS AND STRUCTURES 100 PERCENT STANDARD PROCTOR (ASTM 698) - 24 INCHES.
   B. UNPAVED AREAS TO BE GRASSED OR LANDSCAPED 95 PERCENT STANDARD PROCTOR (ASTM D698) - FULL DEPTH
10. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING AS NECESSARY TO MEET REQUIRED EXCAVATIONS AND GRADES. DEWATERING OPERATIONS SHALL NOT DISCHARGE DIRECTLY INTO MARSH OR WETLAND AREAS. MUDDY WATER TO BE PUMPED FROM EXCAVATION AND WORK AREAS MUST BE HELD IN SETTLING BASINS OR FILTERED PRIOR TO ITS DISCHARGE INTO SURFACE WATERS OR STORM DRAINAGE SYSTEMS. WATER MUST BE DISCHARGED THROUGH A PIPE, WELL GRASSED OR LINED CHANNEL, OR OTHER EQUIVALENT MEANS SUCH THAT DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENTATION.

WATER AND SEWER NOTES:

1. THE ENGINEER HAS MADE ALL POSSIBLE ATTEMPTS TO LOCATE EXISTING UTILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD-VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION AND TO NOTE ANY CONFLICTS. ANY DAMAGE TO UTILITIES INCURRED DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR AND IS TO BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. MINIMUM SEPARATION DISTANCES BETWEEN WATER AND SEWER LINES:
   A. WATER OVER SANITARY SEWER - 18" VERTICAL OR 10' HORIZONTAL
   B. STORM SEWER - 12" VERTICAL
3. D.I.P. WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS MAY BE SUBSTITUTED WHERE SEPARATION DISTANCES BETWEEN THE SANITARY SEWER AND STORM SEWERS OR WATER LINES CANNOT BE MAINTAINED. PIPE MUST BE LAID SUCH THAT FULL SECTIONS OF PIPE ARE CENTERED ON THE CROSSING AND EXTEND A DISTANCE OF 10' ON EACH SIDE OF THE POINT OF CROSSING.
4. EROSION AND SEDIMENT CONTROL PROCEDURES MUST BE MAINTAINED DURING THE ENTIRE CONSTRUCTION PERIOD. DEBRIS AND LOOSE SOIL ON ADJACENT STREETS MUST BE CONTROLLED THROUGH DAILY CLEANING. DISTURBED EARTH AREAS MUST BE STABILIZED WITHIN 30 DAYS FROM COMPLETION OF GRADING ACTIVITIES.
5. PAVEMENT PATCHING AND RESURFACING MUST BE COMPLETED WITHIN 5 DAYS AFTER COMPLETION OF GRADING ACTIVITIES. SMALL PATCH AREAS CAN BE MAINTAINED WITH TEMPORARY PAVEMENT PATCHING OR CABC STONE UNTIL PERMANENT PATCHING IS COMPLETE.
6. ALL WATER WILL MEET CLARENDON COUNTY STANDARDS AND SPECIFICATIONS.
7. ALL SEWER WILL MEET CLARENDON COUNTY STANDARDS AND SPECIFICATIONS.
8. CROSS LINE PIPES SHALL BE COMPACTED IN 12" LIFTS TO 95% STANDARD PROCTOR AND THE LAST 12" COMPACTED TO 100% STANDARD PROCTOR.
9. WATER SERVICES - 3/4" POLYETHYLENE W/ METER BOX. LOCATIONS ARE APPROXIMATE. MAINTAIN 10' MINIMUM SEPARATION FROM WATER SERVICES.
10. SEWER SERVICES - 6" PVC SANITARY SEWER SERVICE LOCATIONS ARE APPROXIMATE. MAINTAIN 10' MINIMUM SEPARATION FROM WATER SERVICES.
11. CONTRACTOR TO MARK AND LABEL ALL BENDS, VALVES, TEES, & PLUGS FOR RECORDATION PURPOSES.
12. CONTRACTOR TO INSTALL THRUST BLOCKING OR MECHANICAL RESTRAINTS FOR ALL TEES, BENDS, HYDRANTS, & CHANGES IN DIRECTION.
13. CONTRACTOR TO MAINTAIN A MIN. DISTANCE OF 3' BETWEEN WATER MAIN AND OTHER UTILITY STRUCTURES (CATCH BASINS, JUNCTION BOXES, MANHOLES)
14. CONTRACTOR TO TRANSITION FROM DIP TO PVC FOR SERVICE LINES WHEN DEPTH IS LESS THAN 12'. CONTRACTOR TO VERIFY INVERT OF SANITARY SEWER SERVICE PRIOR TO ESTABLISHING FINISH FLOOR ELEVATION OF BUILDING.

STANDARD NOTES:

1. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
   - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
   - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH SC REG. 72-307 OF THE STORMWATER MANAGEMENT AND SEDIMENT REDUCTION ACT AND SCR10000O.
8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
11. A COPY OF THE SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASINS, FILTER BAG, ETC.).
16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
   - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL.
   - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.
   - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE.
   - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
18. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
19. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS OR NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
20. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

SEQUENCE OF CONSTRUCTION

1. RECEIVE NPDES COVERAGE FROM SCDES
2. PRE-CONSTRUCTION MEETING (ON-SITE IF MORE THAN 10 ACRES AND NON-LINEAR)
3. NOTIFY DHEC EQC REGIONAL OFFICE OR OCRM OFFICE 48 HOURS PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES

EROSION CONTROL - PHASE 1

4. INSTALLATION OF CONSTRUCTION ENTRANCE(S)
5. CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS & SEDIMENT TRAPS.
6. INSTALLATION OF PERIMETER CONTROLS & DETENTION BASIN.
7. INSTALLATION OF POND AND INSTALLATION OF DIVERSIONS TO THOSE STRUCTURES (OUTLET STRUCTURES MUST BE COMPLETELY INSTALLED AS SHOWN ON THE DETAILS BEFORE PROCEEDING TO NEXT STEP; AREAS DRAINING TO THESE STRUCTURES CANNOT BE DISTURBED UNTIL THE STRUCTURES AND DIVERSIONS TO THE STRUCTURES ARE COMPLETELY INSTALLED)
8. DO NOT MASS CLEAR WITHIN PHASE I.

EROSION CONTROL - PHASE 2

9. CLEARING & GRUBBING OF SITE OR DEMOLITION (SEDIMENT & EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED)
10. ROUGH GRADING
11. INSTALLATION OF STORM DRAIN SYSTEM & PLACEMENT OF INLET PROTECTION AS EACH INLET IS INSTALLED.

EROSION CONTROL - PHASE 3

12. FINE GRADING & PAVING. INLET PROTECTION ON INLETS TO BE CONVERTED AS NECESSARY.
13. PERMANENT/FINAL STABILIZATION
14. CLEAN-OUT OF DETENTION BASINS THAT WERE USED AS SEDIMENT CONTROL STRUCTURES AND RE-GRADING OF DETENTION POND BOTTOMS; IF NECESSARY, MODIFICATION OF SEDIMENT BASIN RISER TO CONVERT TO DETENTION BASIN OUTLET STRUCTURE
15. REMOVAL OF TEMPORARY SEDIMENT & EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS 70% STABILIZED (THE DEPARTMENT RECOMMENDS THAT THE PROJECT OWNER/OPERATOR HAVE THE SWPPP PREPARER OR REGISTRATION EQUIVALENT APPROVE THE REMOVAL OF TEMPORARY STRUCTURES.)
16. PERFORM AS-BUILT SURVEYS OF ALL DETENTION STRUCTURES AND SUBMIT TO DES OR MS4 FOR ACCEPTANCE AS NECESSARY.
17. SUBMIT NOTICE OF TERMINATION (NOT) TO SCDES AS APPROPRIATE

PERMANENT STORMWATER MANAGEMENT STRUCTURE MAINTENANCE

MAINTENANCE ITEM	SCHEDULE OF MAINTENANCE
1. REMOVE TREES FROM WITHIN THE POND AND ON THE EMBANKMENT.	1. ANNUALLY
2. REMOVE SEDIMENT & TRASH FROM INSIDE OF AN AROUND THE POND OULET STRUCTURE.	2. ANNUALLY
3. ORIFICES TO CLEANED AND UNCLOGGED	3. TWICE A YEAR (SPRING & FALL)
4. SEDIMENT ACCUMULATION TO BE REMOVED FROM POND AND POND BOTTOM RE-GRADED AS NECESSARY TO PROVIDE PROPER DRAINAGE	4. ANNUALLY
5. ENERGY DISSIPATOR TO BE CLEANED AND REPAIRED	5. ANNUALLY
6. CHECK THE OUTLETS REGULARLY FOR CLOGGING AND CLEAN WHEN NECESSARY (SPRING & FALL)	6. TWICE A YEAR (SPRING & FALL
7. IF NECESSARY, BASED ON SURROUNDINGS, MOW GRASS SIDE OF SLOPES IN POND (TWO TIMES A YEAR)	7. TWICE A YEAR
8. INSPECT ENTIRE POND SYSTEM, INCLUDING INLET / OUTLET PIPES AND EMERGENCY SPILLWAY IF APPLICABLE. REPAIR IF NECESSARY (ANNUALLY)	8. ANNUALLY
9. CHECK BANKS AND BOTTOM OF POND FOR EROSION AND CORRECT (SPRING & FALL)	9. TWICE A YEAR (SPRING & FALL)
10. PERIODIC INSPECTION & CLEANOUT OF VEGETATIVE SWALES.	10. ANNUALLY
11. CLEANING OF CLOSED PIPE SYSTEM	11. EVERY 10 YEARS

SEEDING SCHEDULES

TEMPORARY SEDDING

SPECIES	lbs./ac	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BROWNTOP MILLET (ALONE)	40												
BROWNTOP MILLET (MIX)	10												
RYE, GRAIN (ALONE)	56												
RYE, GRAIN (MIX)	10												
RYEGRASS (ALONE)	50												
RYEGRASS (MIX)	8												
FOR STEEP SLOPES/CUT SLOPES													
WEEPING LOVEGRASS (ALONE)	4												
WEEPING LOVEGRASS (MIX)	2												

PERMANENT SEDDING

SPECIES	lbs./ac	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BAHIAGRASS (ALONE)	40												
BAHIAGRASS (MIX)	30												
BERMUDAGRASS (HULLED) (ALONE)	8-12												
BERMUDAGRASS (HULLED) (MIX)	4-6												
FESCUE, TALL (KY31) ALONE	40												
FESCUE, TALL (KY31) MIX	20												
SERICEA LESPEDEZA (SACRIFICED) ALONE OR MIX	40												
LADINO CLOVER (MIX ONLY)	2												
FOR STEEP SLOPES/CUT SLOPES													
WEEPING LOVEGRASS (ALONE)	4												
WEEPING LOVEGRASS (MIX)	2												
CROWNVETCH (MIX) TYPE M INOCULANT	8-10												

SEEDING:

1. INSPECT SEEDED AREAS FOR FAILURE AND MAKE NECESSARY REPAIRS AND RESEED IMMEDIATELY. CONDUCT A FOLLOW-UP SURVEY AFTER ONE YEAR AND REPLACE FAILED PLANTS WHERE NECESSARY.
2. IF VEGETATIVE COVER IS INADEQUATE TO PREVENT RILL EROSION, OVERSEED AND FERTILIZE IN ACCORDANCE WITH SOIL TEST RESULTS.
3. IF STAND OF PERMANENT VEGETATION HAS LESS THAN 40 PERCENT COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER.
4. RE-ESTABLISH THE STAND FOLLOWING SEED BED PREPARATION AND SEEDING RECOMMENDATION, OMITTING LIME AND FERTILIZER IN THE ABSENCE OF SOIL AND TEST RESULTS.
5. IF THE SEASON PREVENTS RE-SOWING, MULCH IS AN EFFECTIVE TEMPORARY COVER.
6. FINAL STABILIZATION OF THE SITE REQUIRES A 70 PERCENT OVERALL COVERAGE RATE. THIS DOES NOT MEAN THAT 30 PERCENT OF THE SITE CAN REMAIN BARE. THE COVERAGE IS DEFINED AS LOOKING AT A SQUARE YARD OF COVERAGE, IN WHICH 70 PERCENT OF THAT SQUARE YARD IS COVERED WITH VEGETATION.

SODDING

1. WATERING MAY BE NECESSARY AFTER PLANTING AND DURING PERIODS OF INTENSE HEAT AND/OR LACK OF RAIN. KEEP SOIL MOIST TO A DEPTH OF 2 INCHES UNTIL SOD IS FULLY ROOTED.
2. MOW TO A HEIGHT OF 2 TO 3 INCHES AFTER SOD IS WELL-ROOTED (2-3 WEEKS). DO NOT REMOVE MORE THAN 1/3 OF THE SHOOT IN ANY ONE MOWING.
3. INSPECTION OF SOD FREQUENTLY AFTER IT IS FIRST INSTALLED. ESPECIALLY AFTER LARGE STORM EVENTS, UNTIL IT HAS ESTABLISHED A PERMANENT COVER.

MULCHING SCHEDULE

1. WITHIN 24 HRS FOLLOWING THE COVERING OF THE SEED, HAY MULCH MATERIAL SHALL BE UNIFORMLY APPLIED AT THE RATE OF 2 TONS PER ACRE.
2. MULCH MAY BE SPREAD BY EITHER BY HAND, BY APPROPRIATE MECHANICAL SPREADERS OR BLOWERS. THE MULCH SHALL NOT ONLY ALLOW SUNLIGHT TO PENETRATE AND AIR TO CIRCULATE, BUT ALSO TO PARTIALLY SHADE THE GROUND AND CONSERVE SOIL MOISTURE.
3. THE NEWLY LAID MULCH SHALL BE HELP IN PLACE BY EMULSIFIED ASPHALT MEETING SCDOT REQUIREMENTS OF SECTION 810.08, OR OTHER APPROVED TACKING AGENT.

FEMA CERTIFICATION:

I HEREBY CERTIFY THAT I HAVE CONSULTED THE FEDERAL INSURANCE ADMINISTRATION FLOOD HAZARD BOUNDARY MAPS AND FOUND THAT THE PROPERTY DESCRIBED AND SHOWN HEREON IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS SHOWN ON MAP NO. 45027C0020C, DATED AUGUST 19, 2013.

NATURAL RESOURCE NOTES:

1. WETLANDS - THERE ARE NO WETLANDS ON-SITE.
2. FLOOD ZONES - THERE ARE NO FLOOD ZONES (SPECIAL FLOOD HAZARD AREAS) LOCATED ON SITE. SEE FEMA FLOOD MAP IN THE PERMIT SWPPP.
3. RIPARIAN BUFFERS - NO RIPARIAN BUFFERS ARE REQUIRED NOR BEING PROPOSED IN THIS DEVELOPMENT.

PAVING & MARKING NOTES:

1. ALL PAVEMENT SECTION MATERIALS & INSTALLATION SHALL MEET CLARENDON COUNTY SPECIFICATIONS. PAVEMENT LOCATED WITHIN THE SCDOT RIGHT-OF-WAY TO MEET THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECS (LATEST EDITION).
2. ALL CURB RAD2 TO BE 25' AS MEASURED FROM FACE OF CURB TO FACE OF CURB UNLESS OTHERWISE SHOWN. RAD2 ENTERING CUL-DE-SACS TO BE 40' (FOC TO FOC)
3. ALL SIDEWALKS, STRIPING, & SIGNAGE TO BE ADA & MUTCD COMPLIANT. ALL PAVEMENT MARKINGS WITHIN THE RIGHT-OF-WAY TO BE THERMOPLASTIC.

STEWARD ENGINEERING
Consulting Civil Engineers
1416 Saugus Ct
Chapin, SC 29036
Phone: (803) 716-0772

PROJECT TITLE:
HARVIN CLARENDON COUNTY LIBRARY
TURBEVILLE BRANCH LIBRARY
TURBEVILLE, SC

SOUTH CAROLINA PROFESSIONAL ENGINEER STEWARD ENGINEERING No. 7098 CERTIFICATE OF AUTHORIZATION C.O.A.

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 37811 08/29/25 MICHAEL J. STEWARD SEAL

SHEET TITLE:
SITE AND EROSION CONTROL DETAILS

DATE	BY	REVISION DESCRIPTION

PROJECT ENGR. MJS
DESIGNED BY
DRAWN BY TC
CHECKED BY
APPROVED BY
DATE 08/29/25

SHEET NO. C9 OF 11
FILE NO: 25015

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CONSULTANT

1178 Smith Street
Turbeville, S.C. 29162

DATE	MARK	DESCRIPTION

HARVIN CLARENDON COUNTY LIBRARY

TURBEVILLE BRANCH LIBRARY

ISSUE: CONSTRUCTION DOCUMENTS
DATE: 08/29/2025
PROJECT NO: 22067
DRAWN BY:
CHECKED BY:

SITE AND EROSION CONTROL DETAILS

C9

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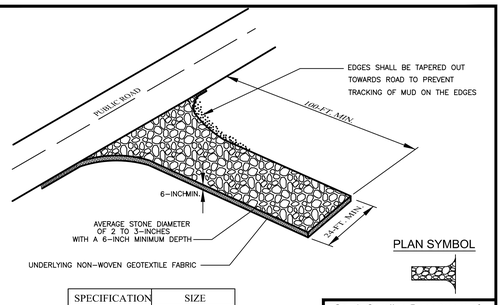


PLAN SYMBOL

SPECIFICATION	SIZE
ROCK PAD THICKNESS	6 INCHES
ROCK PAD WIDTH	24 FEET
ROCK PAD LENGTH	100 FEET
ROCK PAD STONE SIZE	D = 2-3 INCHES

South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 1 of 2

NOT TO SCALE FEBRUARY 2014 DATE

CONSTRUCTION ENTRANCE – GENERAL NOTES

1. Stabilized construction entrances should be used at all points where traffic will egress/ingress a construction site onto a public road or any impervious surfaces, such as parking lots.
2. Install a non-woven geotextile fabric prior to placing any stone.
3. Install a culvert pipe across the entrance when needed to provide positive drainage.
4. The entrance shall consist of 2-inch to 3-inch D50 stone placed at a minimum depth of 6-inches.
5. Minimum dimensions of the entrance shall be 24-feet wide by 100-feet long, and may be modified as necessary to accommodate site constraints.
6. The edges of the entrance shall be tapered out towards the road to prevent tracking at the edge of the entrance.
7. Divert all surface runoff and drainage from the stone pad to a sediment trap or basin or other sediment trapping structure.
8. Limestone may not be used for the stone pad.

CONSTR. ENTRANCE – INSPECTION & MAINTENANCE

1. The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.
4. Reshape the stone pad as necessary for drainage and runoff control.
5. Wash or replace stones as needed and as directed by site inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce the amount of mud being carried off-site by vehicles. Frequent washing will extend the useful life of stone pad.
6. Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.
7. During maintenance activities, any broken pavement should be repaired immediately.
8. Construction entrances should be removed after the site has reached final stabilization. Permanent vegetation should replace areas from which construction entrances have been removed, unless area will be converted to an impervious surface to serve post-construction.

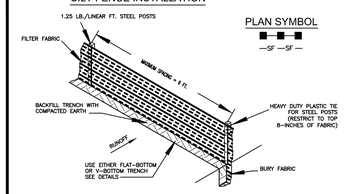
South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 2 of 2

GENERAL NOTES FEBRUARY 2014 DATE

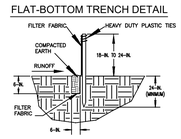
SILT FENCE INSTALLATION



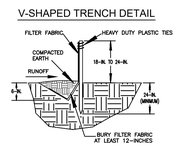
PLAN SYMBOL

—SF—SF—

FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



SILT FENCE – GENERAL NOTES

1. Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
2. Maximum sheet or overland flow path length to the silt fence shall be 100-feet.
3. Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
4. Silt fence joints, when necessary, shall be completed by one of the following options:
   - Wrap each fabric together at a support post with both ends fastened to the post, with a minimum overlap of 6-inches.
   - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties; or,
   - Overlap entire width of each silt fence roll from one support post to the next support post.
5. Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.
6. Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.
7. Install Silt Fence Checks (Tie-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 Page 1 of 2

NOT TO SCALE FEBRUARY 2014 DATE

SILT FENCE – POST REQUIREMENTS

1. Silt fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
   - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
   - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
   - Weigh 1.25 pounds per foot (± 8%)
2. Posts shall be equipped with projections to aid in fastening of filter fabric.
3. Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
4. Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
5. Post spacing shall be at a maximum of 6-feet on center.

SILT FENCE – FABRIC REQUIREMENTS

1. Silt fence shall be composed of woven geotextile filter fabric that consists of the following requirements:
   - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
   - Free of any treatment or coating which might adversely alter its physical properties after installation;
   - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and
   - Have a minimum width of 36-inches.
2. Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approved Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
3. 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
4. Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
5. Filter Fabric shall be installed at a minimum of 24-inches above the ground.

SILT FENCE – INSPECTION & MAINTENANCE

1. The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence, as necessary.
7. Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
8. Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

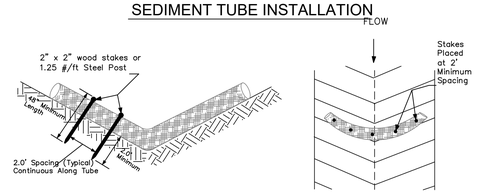
South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 PAGE 2 of 2

GENERAL NOTES FEBRUARY 2014 DATE

SEDIMENT TUBE INSTALLATION



SEDIMENT TUBE SPACING

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150-FEET
2%	100-FEET
3%	75-FEET
4%	50-FEET
5%	40-FEET
6%	30-FEET
GREATER THAN 6%	25-FEET

PLAN SYMBOL

South Carolina Department of Health and Environmental Control

SEDIMENT TUBES

STANDARD DRAWING NO. SC-05 PAGE 1 of 2

NOT TO SCALE FEBRUARY 2014 DATE

SEDIMENT TUBES – GENERAL NOTES

1. Sediment tubes may be installed along contours, in drainage conveyance channels, and around inlets to help prevent off-site discharge of sediment-laden stormwater runoff.
2. Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber, or hardwood mulch. Straw, pine needle, and leaf mulch-filled sediment tubes are not permitted.
3. The outer netting of the sediment tube should consist of seamless, high-density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high-density polyethylene non-degradable material.
4. Sediment tubes, when used as checks within channels, should range between 18-inches and 24-inches depending on channel dimensions. Diameters outside this range may be allowed where necessary when approved.
5. Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.
6. Sediment tubes should be staked using wooden stakes (2-inch X 2-inch) or steel posts (standard "U" or "T" sections with a minimum weight of 1.25 pounds per foot) at a minimum of 48-inches in length placed on 2-foot centers.
7. Install all sediment tubes to ensure that no gaps exist between the soil and the bottom of the tube. Manufacturer's recommendations should always be consulted before installation.
8. The ends of adjacent sediment tubes should be overlapped 6-inches to prevent flow and sediment from passing through the field joint.
9. Sediment tubes should not be stacked on top of one another, unless recommended by manufacturer.
10. Each sediment tube should be installed in a trench with a depth equal to 1/5 the diameter of the sediment tube.
11. Sediment tubes should continue up the side slopes a minimum of 1-foot above the design flow depth of the channel.
12. Install stakes at a diagonal facing incoming runoff.

SEDIMENT TUBES – INSPECTION & MAINTENANCE

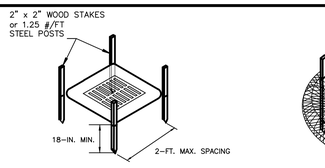
1. The key to functional sediment tubes is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of sediment tubes shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations in front of the sediment tube is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the sediment tube.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Large debris, trash, and leaves should be removed from in front of tubes when found.
7. If erosion causes the edges to fall to a height equal to or below the height of the sediment tube, repairs should be made immediately to prevent runoff from bypassing tube.
8. Sediment tubes should be removed after the contributing drainage area has been completely stabilized. Permanent vegetation should replace areas from which sediment tubes have been removed.

South Carolina Department of Health and Environmental Control

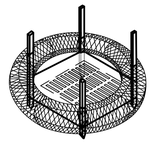
SEDIMENT TUBES

STANDARD DRAWING NO. SC-05 PAGE 2 of 2

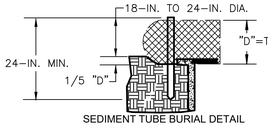
GENERAL NOTES FEBRUARY 2014 DATE



POST INSTALLATION DETAIL



SEDIMENT TUBE INSTALLATION DETAIL



SEDIMENT TUBE BURIAL DETAIL

PLAN SYMBOL

(A)

South Carolina Department of Health and Environmental Control

Type A

SEDIMENT TUBE INLET PROTECTION

STANDARD DRAWING NO. SC-07A PAGE 1 of 2

NOT TO SCALE FEBRUARY 2014 DATE

TYPE A – SEDIMENT TUBE INLET PROTECTION

GENERAL NOTES

1. Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber, or hardwood mulch. Straw, pine needle, and leaf mulch-filled sediment tubes are not permitted.
2. The outer netting of the sediment tube should consist of seamless, high-density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high-density polyethylene non-degradable material.
3. Sediment tube diameters shall range from 18-inches to 24-inches. Sediment tubes with smaller diameters are prohibited when used as inlet protection.
4. Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.
5. Sediment tubes should be staked using wooden oak stakes (2-inch X 2-inch) or steel posts (standard "U" or "T" sections with a minimum weight of 1.25 pounds per foot) at a minimum of 48-inches in length placed on 2-foot centers.
6. Install all sediment tubes to ensure that no gaps exist between the soil and the bottom of the tube. Manufacturer's recommendations should always be consulted before installation.
7. The ends of adjacent sediment tubes should be overlapped 6-inches to prevent flow and sediment from passing through the field joint.
8. Sediment tubes should not be stacked on top of one another.
9. Each sediment tube should be installed in a trench with a depth equal to 1/5 the diameter of the sediment tube.
10. Install stakes at a diagonal facing incoming runoff.

INSPECTION & MAINTENANCE

1. The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of sediment tube inlet protection shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations in front of the sediment tube is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the sediment tube. When a sump is installed in front of the inlet protection, sediment shall be removed when it fills approximately 1/3 the depth of the sump.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Large debris, trash, and leaves should be removed from in front of tubes when found.
7. Inlet protection structures should be removed after the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

South Carolina Department of Health and Environmental Control

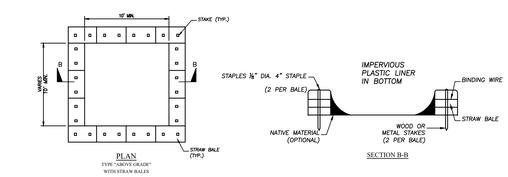
Type A

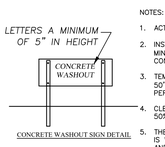
SEDIMENT TUBE INLET PROTECTION

STANDARD DRAWING NO. SC-07A PAGE 2 of 2

NOT TO SCALE FEBRUARY 2014 DATE

STRAW BALE BARRIER CONCRETE WASHOUT





CONCRETE WASHOUT SIGN DETAIL

NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A 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. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.
7. A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

South Carolina Department of Health and Environmental Control

CONCRETE WASHOUT

STRAW BALES OR ABOVE GROUND

STANDARD DRAWING NO. RC-07 PAGE 1 of 1

NOT TO SCALE FEBRUARY 2014 DATE

STEWARD ENGINEERING

Consulting Civil Engineers

1416 Saugus Ct
Chapin, SC 29036
Phone: (803) 716-0772

PROJECT TITLE:
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TURBEVILLE BRANCH LIBRARY
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CONSULTANT

SHEET TITLE:
SITE AND EROSION CONTROL DETAILS

DATE	BY	REVISION DESCRIPTION

PROJECT ENGR. MJS
DESIGNED BY
DRAWN BY TC
CHECKED BY
APPROVED BY
DATE 08/29/25

SHEET NO. C10 OF 11

FILE NO: 25015

CRAIG GAULDEN DAVIS PBK
Architecture
19 Washington Park
Greenville, SC 29601
Phone 864.242.0761
Fax 864.501.9945
E-mail cgd@cgdarch.com

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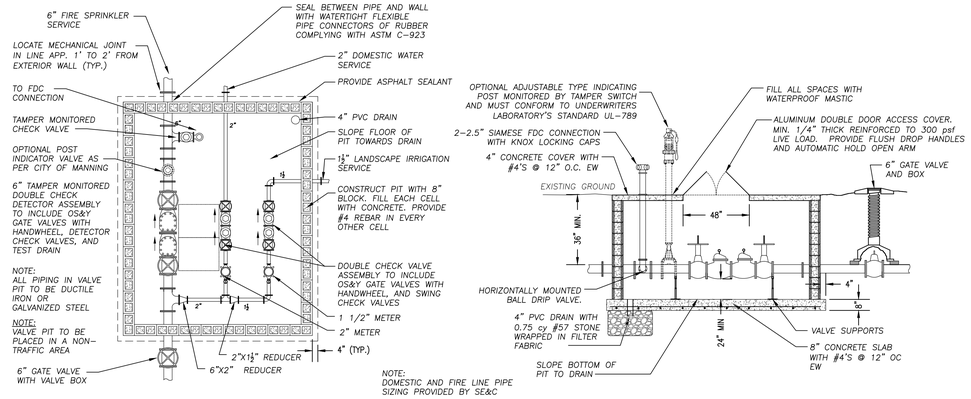
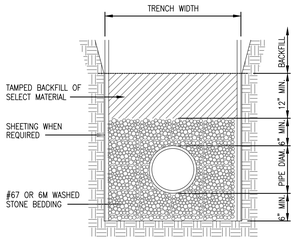
ISSUE: CONSTRUCTION DOCUMENTS
DATE: 08/29/2025
PROJECT NO: 22067
DRAWN BY:
CHECKED BY:

SITE AND EROSION CONTROL DETAILS

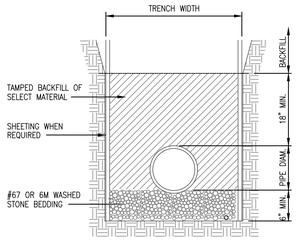
C10



VALVE PIT
NTS

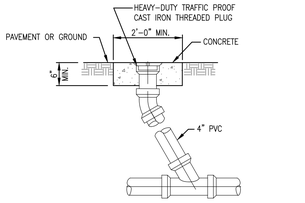


PVC PIPE



D.I. PIPE

SANITARY SEWER PIPE BEDDING DETAILS
NTS



CLEAN-OUT DETAIL
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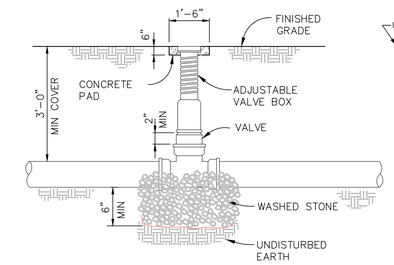
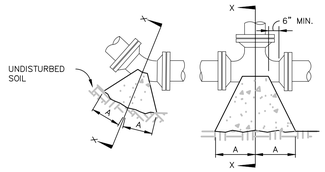
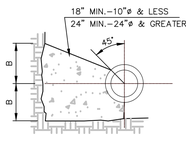


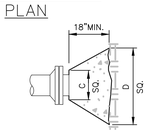
DETAIL FOR SETTING GATE VALVE
NOT TO SCALE



BENDS & TEES PLAN



BENDS & TEES SECTION 'X'



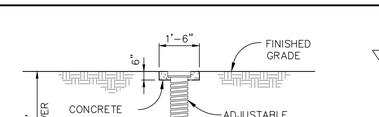
PLUGS PLAN & ELEVATION

* APPLIES TO LINES 4" & SMALLER

PIPE SIZE	90°BEND		45°BEND		22 1/2°/11 1/4° BEND				TEE		PLUG	
	A	B	A	B	A	B	A	B	A	B	C	D
3"	6"	8"	4"	6"	3"	6"	3"	6"	6"	8"	12"	
6"	16"	10"	9"	10"	6"	8"	6"	8"	10"	12"	10"	21"

BLOCKING TO BE 3,000 P.S.I. CONCRETE
(NO SEPARATE PAY ITEM FOR BLOCKING INCLUDED WITH FITTINGS, VALVES, PIPE, ETC.)

THRUST BLOCK DETAILS
NTS



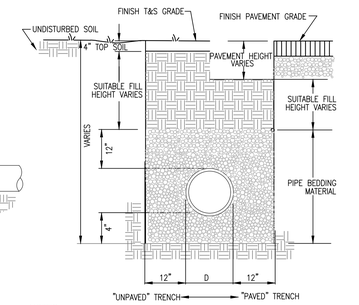
SIDEWALK

CONTROL JOINT

EXPANSION JOINT

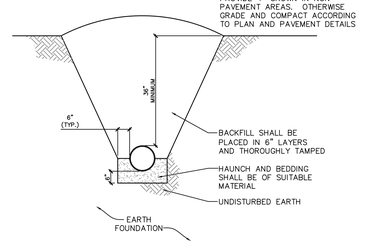
NOTES :
1. ALL WORK SHALL BE DONE IN ACCORDNCE WITH THE SCDOT SPECIFICATIONS EDITION 2000 AND/OR THE CITY OF GREENVILLE STANDARDS.
2. EXPANSION JOINT, 3/4" THICK, SHALL BE PLACED AT THE P.C. AND P.T. OF ALL CURVES, THE OUTER EDGES OF DRIVEWAYS, AND AT UNIFORM INTERVALS AS SHOWN.
3. JOINTS IN THE CURB AND GUTTER SHALL ALIGN WITH CORRESPONDING JOINTS IN THE SIDEWALK.
4. LONGITUDINAL SCORING LINES WILL BE REQUIRED IN WALKS WIDER THAN FIVE FEET, AS DIRECTED BY THE CITY ENGINEER.
5. CONCRETE SHALL BE "READY MIX" HAVING A 28-DAY COMPRESSIVE STRENGTH OF 3000 P.S.I.
6. SUBGRADE AND FORMS SHALL BE INSPECTED BY THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE FOR PROPER GRADE AND ALIGNMENT 24 HOURS BEFORE PLACING CONCRETE.

TYPICAL CONTROL AND EXPANSION JOINT
N.T.S.



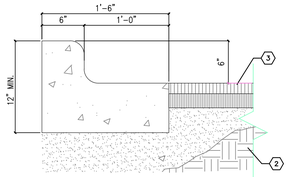
NOTES:
1.) UNSTABLE FOUNDATION MATERIAL SHALL BE REMOVED FOR A WIDTH OF 3 PIPE DIAMETERS AND BACKFILLED WITH SUITABLE MATERIAL AND THOROUGHLY COMPACTED.
2.) ANY ROCK OR OTHER UNYIELDING FOUNDATION SHALL BE EXCAVATED 8" BELOW THE BOTTOM OF THE PIPE AND BACKFILLED WITH SUITABLE MATERIAL AND THOROUGHLY COMPACTED.
3.) BEDDING, HAUNCH, AND OVERFILL SOIL UNDER PAVEMENTS TO CONSIST OF GRANULAR MATERIAL FREE FROM LARGE STONES, CHUNKS OF CLAY, ORGANIC, AND OTHER OBJECTIONABLE MATERIAL.
4.) OVERFILL SOIL NOT UNDER PAVEMENT TO BE FREE FROM LARGE STONES, ORGANIC, AND OTHER OBJECTIONABLE MATERIAL.

TYPICAL UTILTY TRENCH DETAIL
NTS



NOTES:
1.) UNSTABLE FOUNDATION MATERIAL SHALL BE REMOVED FOR A WIDTH OF 3 PIPE DIAMETERS AND BACKFILLED WITH SUITABLE MATERIAL AND THOROUGHLY COMPACTED.
2.) ANY ROCK OR OTHER UNYIELDING FOUNDATION SHALL BE EXCAVATED 8" BELOW THE BOTTOM OF THE PIPE AND BACKFILLED WITH IMPROVED MATERIAL AND THOROUGHLY COMPACTED.
3.) BEDDING, HAUNCH, AND OVERFILL SOIL UNDER PAVEMENTS TO CONSIST OF GRANULAR MATERIAL FREE FROM LARGE STONES, CHUNKS OF CLAY, ORGANIC, AND OTHER OBJECTIONABLE MATERIAL.
4.) OVERFILL SOIL NOT UNDER PAVEMENT TO BE FREE FROM LARGE STONES, ORGANIC, AND OTHER OBJECTIONABLE MATERIAL.
5.) POTABLE WATER AND SANITARY SEWER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF SUMTER SPECIFICATIONS.

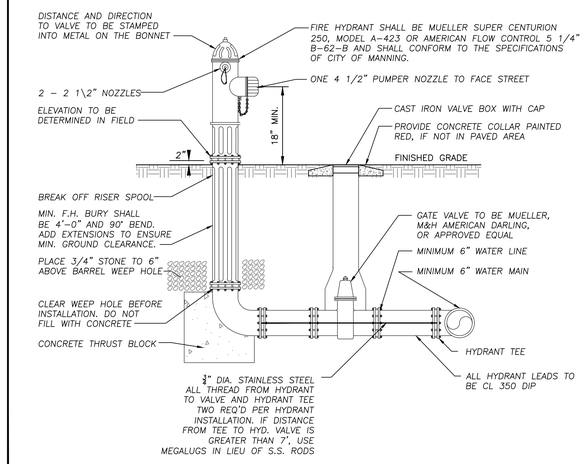
POTABLE WATER AND SANITARY SEWER BEDDING DETAILS
NOT TO SCALE



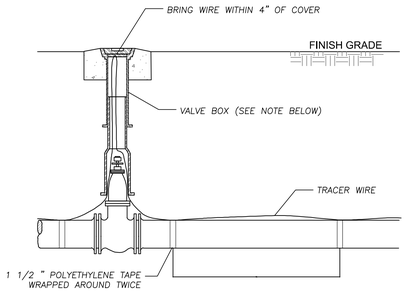
KEYED NOTES
1. N/A
2. PREPARED SUB-GRADE.
3. PAVEMENT.

NOTE:
ALL CURBS TO HAVE 1/4" EXPANSION JOINTS AT MAXIMUM 100 FEET WITH DOWELS AND CONTROL JOINTS AT MAX. 20 FEET.

COMBINED CURB & GUTTER
NTS

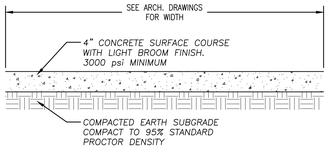


TYP. FIRE HYDRANT
NTS



NOTE:
CONTRACTOR SHALL INSTALL DUMMY VALVE BOXES AT INTERVALS NO GREATER THAN 1,000 FEET.

TRACER WIRE
NTS



NOTE: SUBGRADE TO BE COMPACTED A MINIMUM OF 3' BEYOND THE EDGE OF PAVEMENT

TYP. PERIMETER SIDEWALK
NTS

STEWARD ENGINEERING
Consulting Civil Engineers
1416 Saugus Ct
Chapin, SC 29036
Phone: (803) 716-0772

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C.O.A.
SOUTH CAROLINA
STEWARD ENGINEERING
No. 7098
CERTIFICATE OF AUTHORIZATION

SEAL
SOUTH CAROLINA
PROFESSIONAL ENGINEER
No. 37811
MICHAEL J. STEWARD
08/29/25

SHEET TITLE:
SITE AND UTILITY DETAILS

DATE	BY	REVISION DESCRIPTION

PROJECT ENGR. MJS
DESIGNED BY
DRAWN BY TC
CHECKED BY
APPROVED BY
DATE 08/29/25

SHEET NO. C11 OF 11
FILE NO: 25015

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SITE AND UTILITY DETAILS

C11

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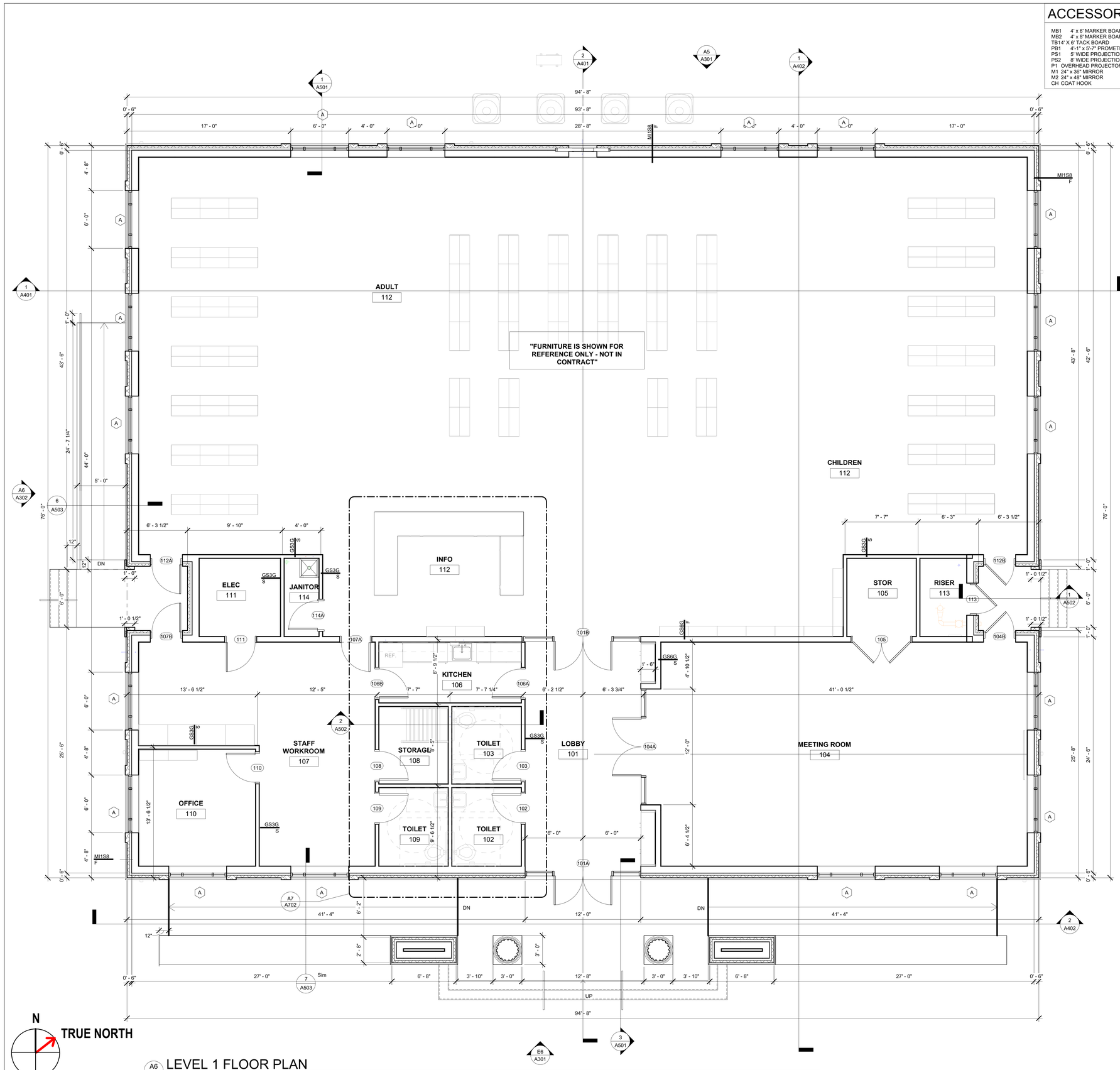

A6 A101 LEVEL 1 FLOOR PLAN
1/4" = 1'-0"

ACCESSORY LEGEND

MB1	4' x 6' MARKER BOARD
MB2	4' x 8' MARKER BOARD
TB14	4' X 6' TACK BOARD
PB1	4'-1" x 5'-7" PROMETHEAN BOARD
PS1	5' WIDE PROJECTION SCREEN
PS2	8' WIDE PROJECTION SCREEN
P1	OVERHEAD PROJECTOR
M1	24" x 36" MIRROR
M2	24" x 48" MIRROR
CH	COAT HOOK

FLOOR PLAN LEGEND

- COLUMN GRID
- NORTH ARROW (TRUE NORTH)
- ROOM TAG (Room name / 101)
- SECTION / ELEVATION CALLOUT (1 / A101 SIM)
- ELEVATION TARGET (Name / Elevation)
- WINDOW TAG (W1)
- CENTER LINE
- NEW DOOR WITH DOOR TAG (101)
- EXISTING DOOR
- FIRE EXTINGUISHER CABINET (TYPE: FEB, FEC(X)) — FEC(R) RECESSED; FEC(S) SEMI RECESSED; FEC(F) FLUSH MOUNTED; FEB BRACKET MOUNTED
- FLOOR DRAIN (FD)
- ELECTRIC WATER COOLER (EWC)

WALL LEGEND

- EXISTING WALL
- CONCRETE
- CONCRETE MASONRY
- METAL STUD WALL WITH GYPSUM WALL BOARD
- 1 HOUR RATED
- 2 HOUR RATED
- 3 HOUR RATED

WALL LEGEND NOTES:

1. INTERIOR WALLS SHALL BE TYPE _____ UNLESS NOTED OTHERWISE.
2. PROVIDE J-MOLD WITH CAULK AND BACKER ROD JOINT WHERE GWB ABUTS DISSIMILAR MATERIALS SUCH AS CMU AND GWB.

WALL TYPES LEGEND

FACING
WALL STRUCTURE
WALL STRUCTURE
FACING
MODIFIER
MODIFIER

FACING:
F Furring - 7/8" METAL HAT CHANNEL W/ 5/8" GWB
G Gypsum - 5/8" GWB

STRUCTURE:
C Concrete
M Masonry
S Metal Stud
SW Shaft Wall
TP Toilet Partition
W Wood Stud

WALL MODIFIER:
A Abuse resistant
F Full height - extend to structure above
P Partial height - extend six inches above ceiling
S Sound - attenuation batt insulation

KEY NOTE LEGEND

- 01 CORNER GUARD
- 02 FOLDING PANEL PARTITION
- 03 LINE OF SOFFIT ABOVE

GENERAL FLOOR PLAN NOTES

1. Unless noted otherwise in the contract documents, dimensions identify:
   a. the centerline of columns and structural steel components,
   b. the centerline of interior studs,
   c. the face of exterior studs and/or
   d. the face of masonry and concrete walls.
2. All masonry dimensions indicate nominal dimensions. The contractor shall make proper allowances for joint materials in laying out the work.
3. Provide code approved wood blocking or sheet metal plates in hollow wall systems for attachment of any wall mounted accessories including, but not limited to, shelving, casework, toilet accessories, toilet partitions, light fixtures, benches, coat rods, televisions, audio-visual equipment, security cameras, sliding door tracks, marker boards, and mirrors.
4. Wall accessories such as fire extinguisher cabinets and paper towel dispensers that require a semi-recessed installation shall not reduce the fire rating of the wall. If a detail is not provided within the contract documents, the contractor shall consult the architect for proper details prior to installing the device.
5. Walls indicated by the finish schedule to be painted where no ceiling is indicated shall be painted to the upper limits of the wall construction. Refer to the finish schedule for painting of exposed structure and mechanical/electrical components.
6. All CMU walls, fire rated walls and sound rated partitions shall extend from finish floor to the underside of structural deck above. The top, bottom, sides and all piping and duct penetrations shall be sealed with appropriate fire resistive materials according to the applicable U.L. design assembly noted on the contract documents.
7. Unless noted otherwise in the contract documents by a wall type or specific note, all non-rated stud partitions shall extend to the deck above.
8. All metal studs shall be attached with 2 screws at 16" o.c. in the bottom and top tracks.
9. All exterior corners and ends of gypsum wall board partitions shall have metal corner beads unless noted otherwise.

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FLOOR PLAN

A101

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GLAZING LEGEND

GL# - X

- SAFETY GLAZING TYPE
- GENERAL GLAZING TYPE

GL1	INTERIOR GLAZING (SEE SPECS)
GL2	EXTERIOR GLAZING (SEE SPECS)
T	TEMPERED SAFETY GLASS
W	WIRED SAFETY GLASS

NOTE: SEE SPECIFICATIONS FOR DETAILED DESCRIPTIONS OF THE VARIOUS GLAZING TYPES.

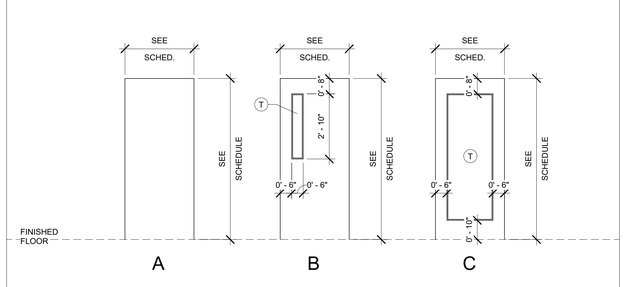
DOOR ABBREVIATION LEGEND

HM	HOLLOW METAL
SCW	SOLID CORE WOOD
TEMP	TEMPERED
PR	PAIR
ALUM	ALUMINUM

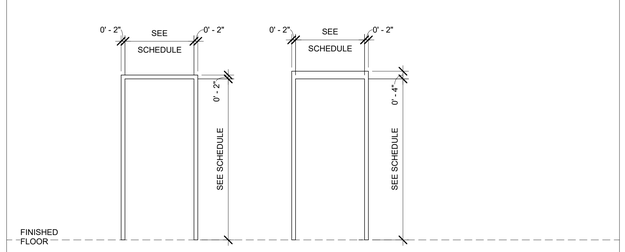
Door Schedule

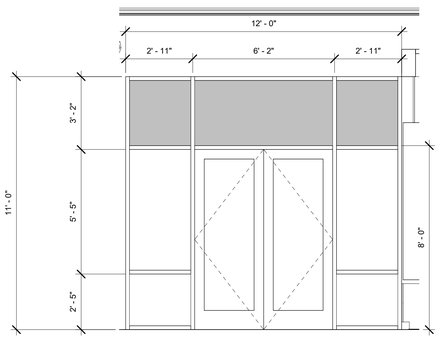
ROOM NUMBER	DOOR NUMBER	DOOR				FRAME				HARDWARE
		WIDTH	HEIGHT	TYPE	MATL	TYPE	MATL	HEAD	JAMB	
101	101A	6' - 0"	7' - 10"	C	HM	F1	HM			01
101	101B	6' - 0"	7' - 5"	C	HM	F1	HM			02
101	102	3' - 0"	7' - 0"	A	SCW	F1	HM			03
103	103	3' - 0"	7' - 0"	A	SCW	F1	HM			03
104	104A	6' - 0"	7' - 5"	C	HM	F1	HM			04
104	104B	3' - 0"	6' - 8"	A	SCW	F2	HM			05
105	105	6' - 0"	7' - 0"	A	SCW	F1	HM			06
106	106A	3' - 0"	7' - 0"	B	SCW	F1	HM			07
106	106B	3' - 0"	7' - 0"	B	SCW	F1	HM			07
112	107A	3' - 0"	7' - 0"	B	SCW	F1	HM			08
107	107B	3' - 0"	6' - 8"	A	SCW	F2	HM			09
107	108	3' - 0"	7' - 0"	A	SCW	F1	HM			10
109	109	3' - 0"	7' - 0"	A	SCW	F1	HM			03
110	110	3' - 0"	7' - 0"	B	SCW	F1	HM			11
107	111	3' - 0"	7' - 0"	A	SCW	F1	HM			12
112	112A	3' - 0"	6' - 8"	A	SCW	F2	HM			05
112	112B	3' - 0"	6' - 8"	A	SCW	F2	HM			05
113	113	3' - 0"	6' - 8"	A	SCW	F2	HM			13
114	114A	3' - 0"	7' - 0"	A	SCW	F1	HM			10

DOOR LEGEND

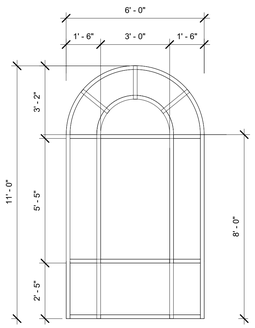


FRAME LEGEND

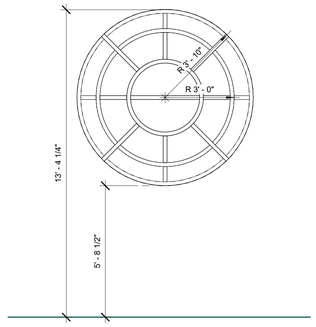




A5 / A201 DOOR 101A/101B/104A
3/8" = 1'-0"



A3 / A201 STOREFRONT A
3/8" = 1'-0"



A2 / A201 STOREFRONT B
3/8" = 1'-0"

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DOOR AND WINDOW SCHEDULES

A201

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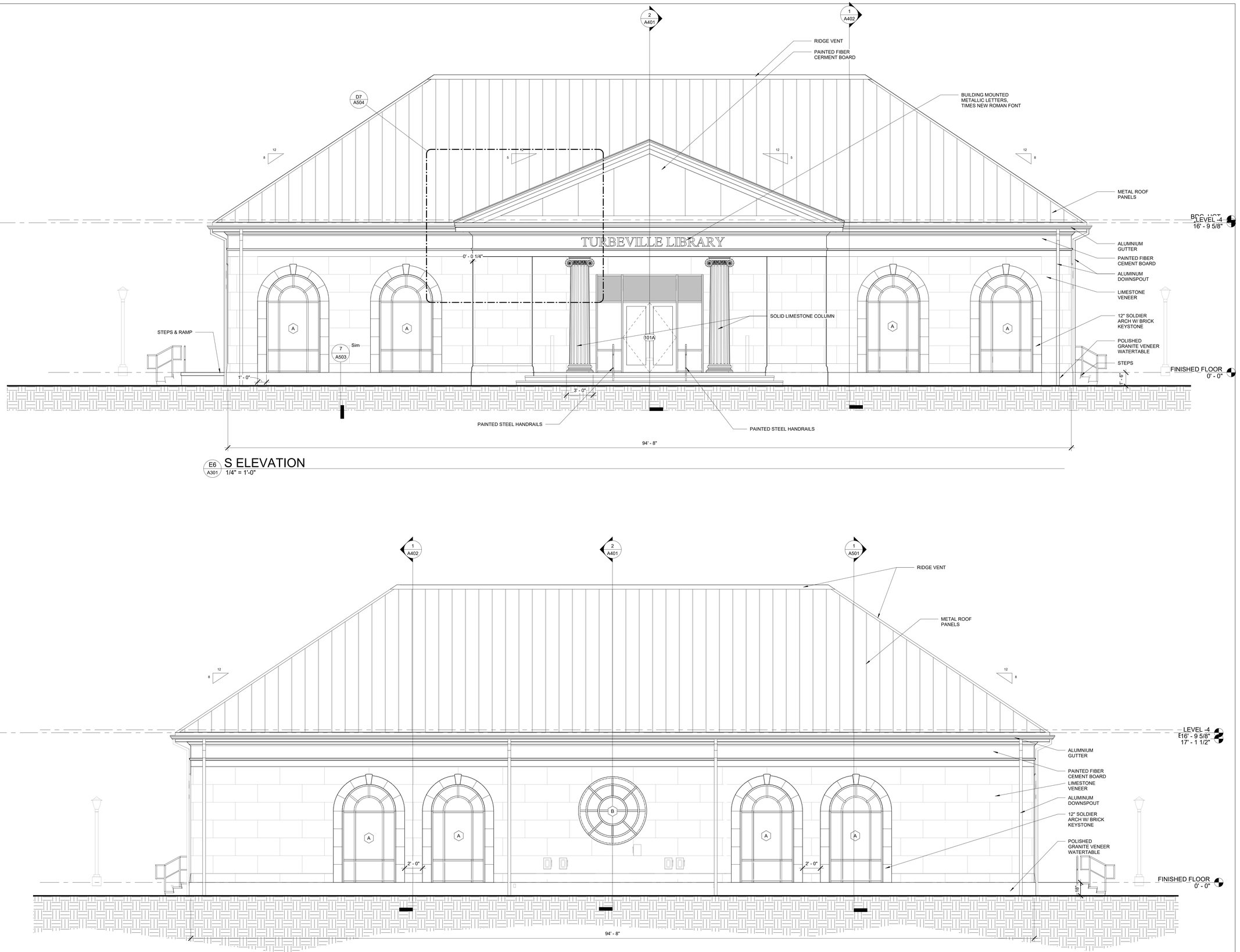

E6 A301 S ELEVATION
1/4" = 1'-0"

A5 A301 N ELEVATION
1/4" = 1'-0"

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EXTERIOR ELEVATIONS

A301

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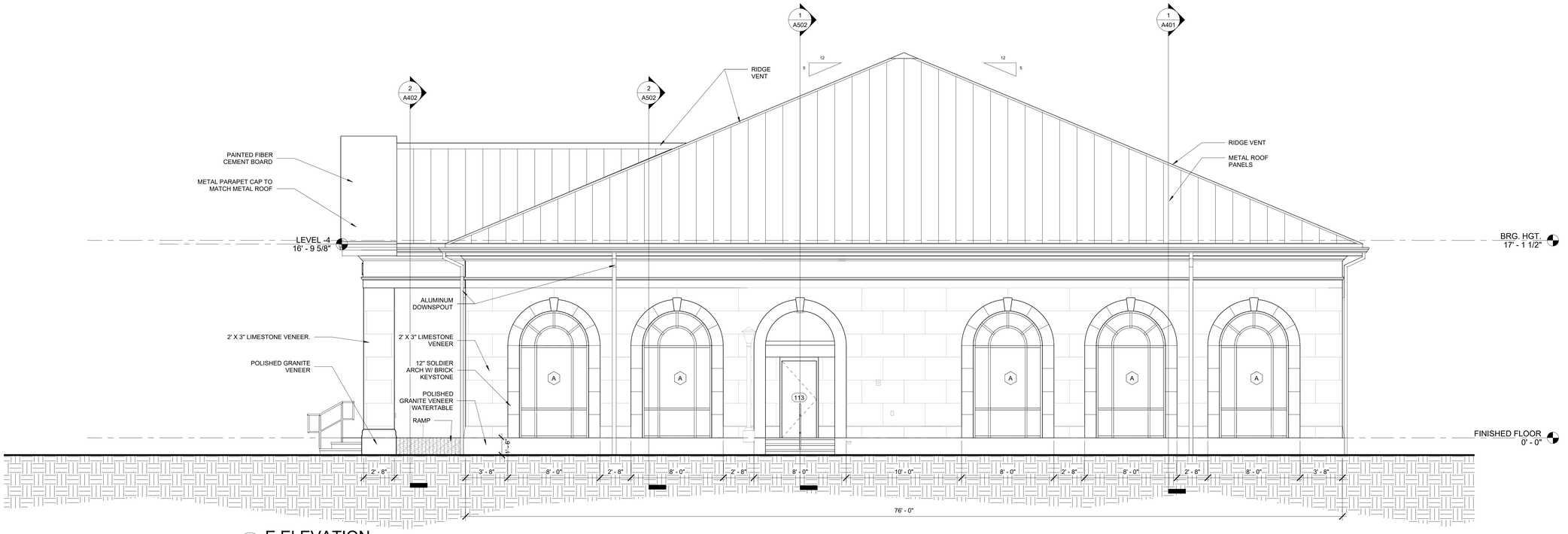
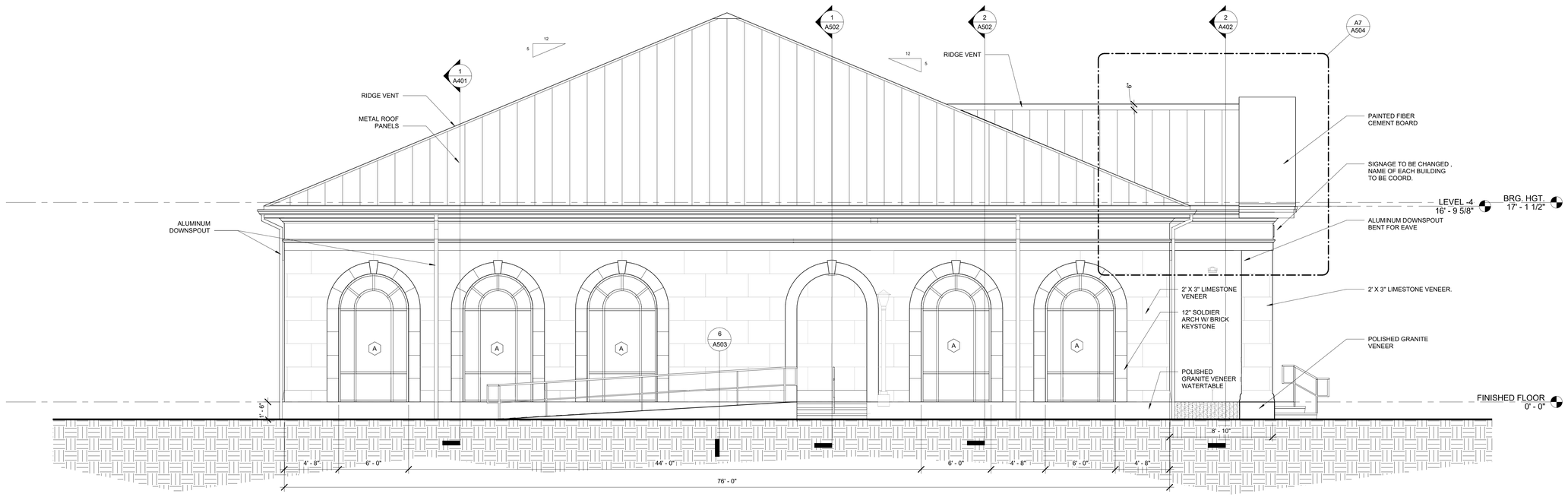


D6 A302 **E ELEVATION**
1/4" = 1'-0"



A6 A302 **W ELEVATION**
1/4" = 1'-0"

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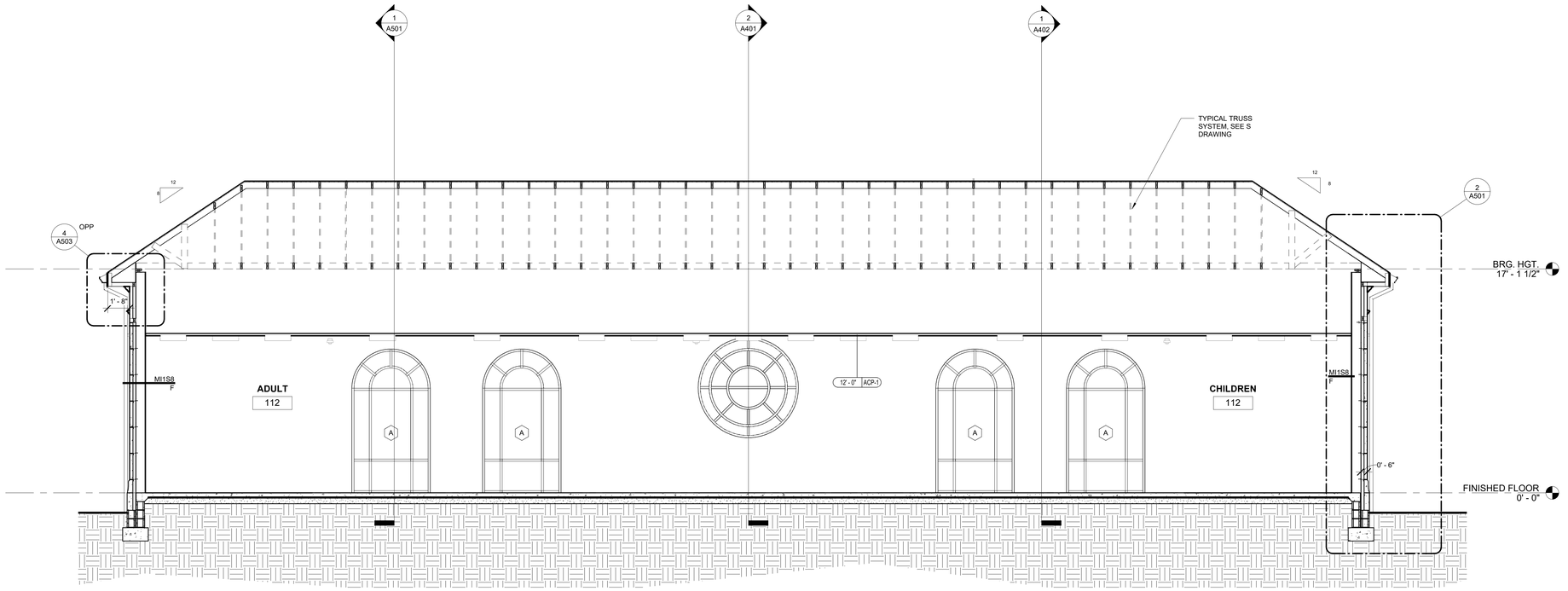

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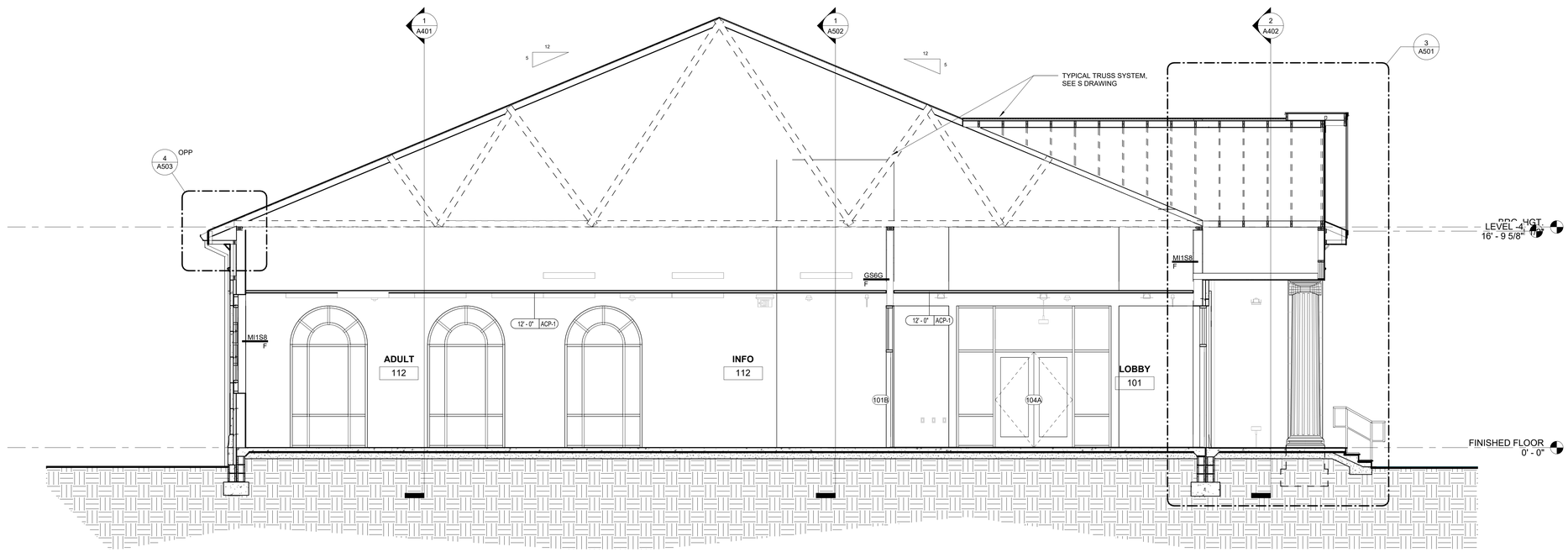

2 A401 BUILDING SECTION - 2
1/4" = 1'-0"

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BUILDING SECTIONS

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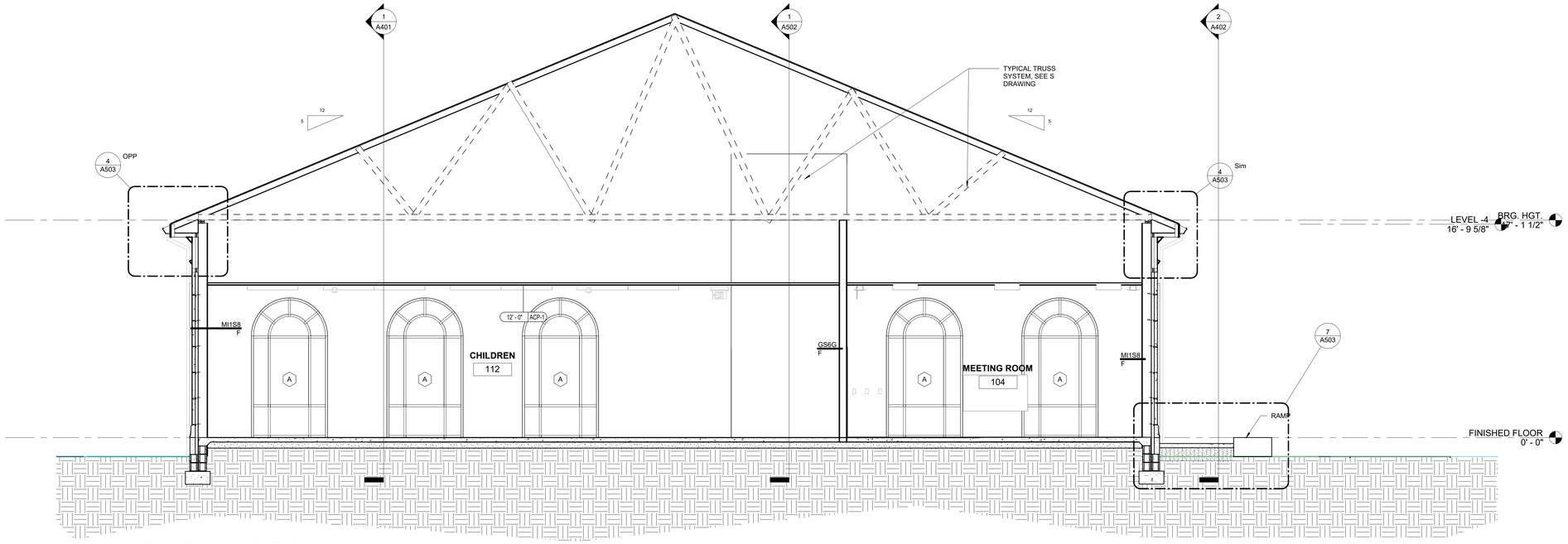

1 A402 BUILDING SECTION - 3
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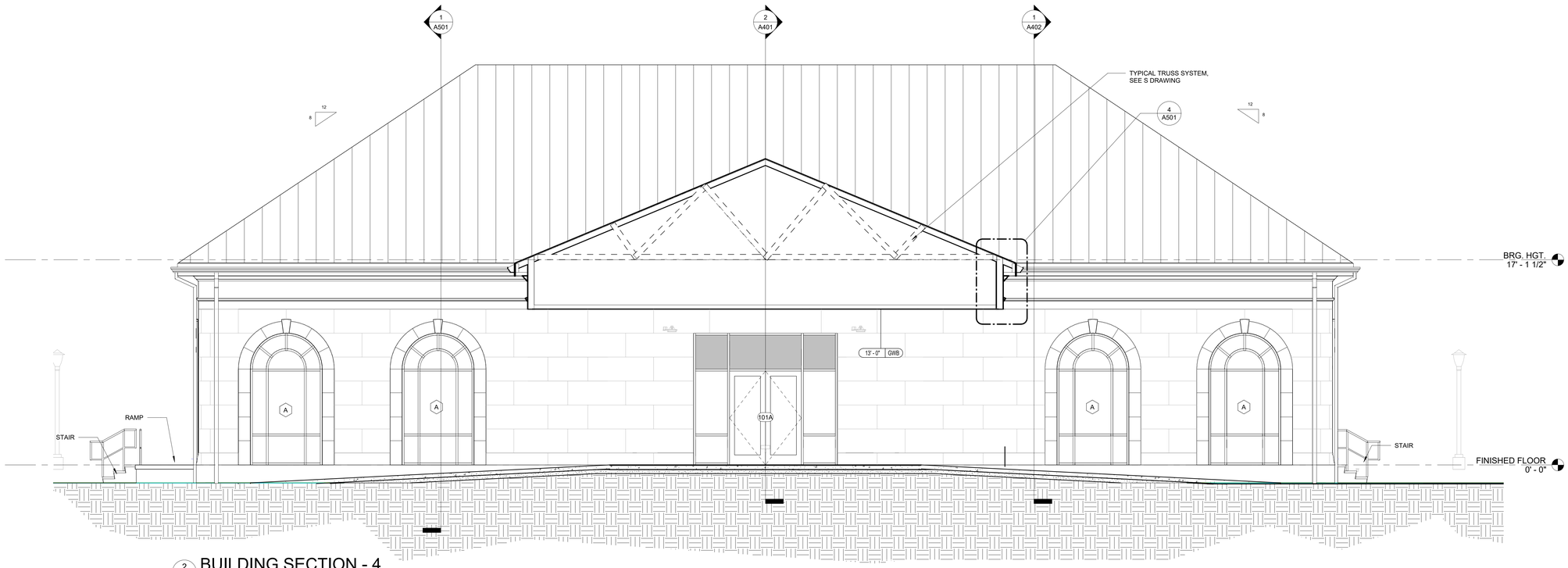

2 A402 BUILDING SECTION - 4
1/4" = 1'-0"

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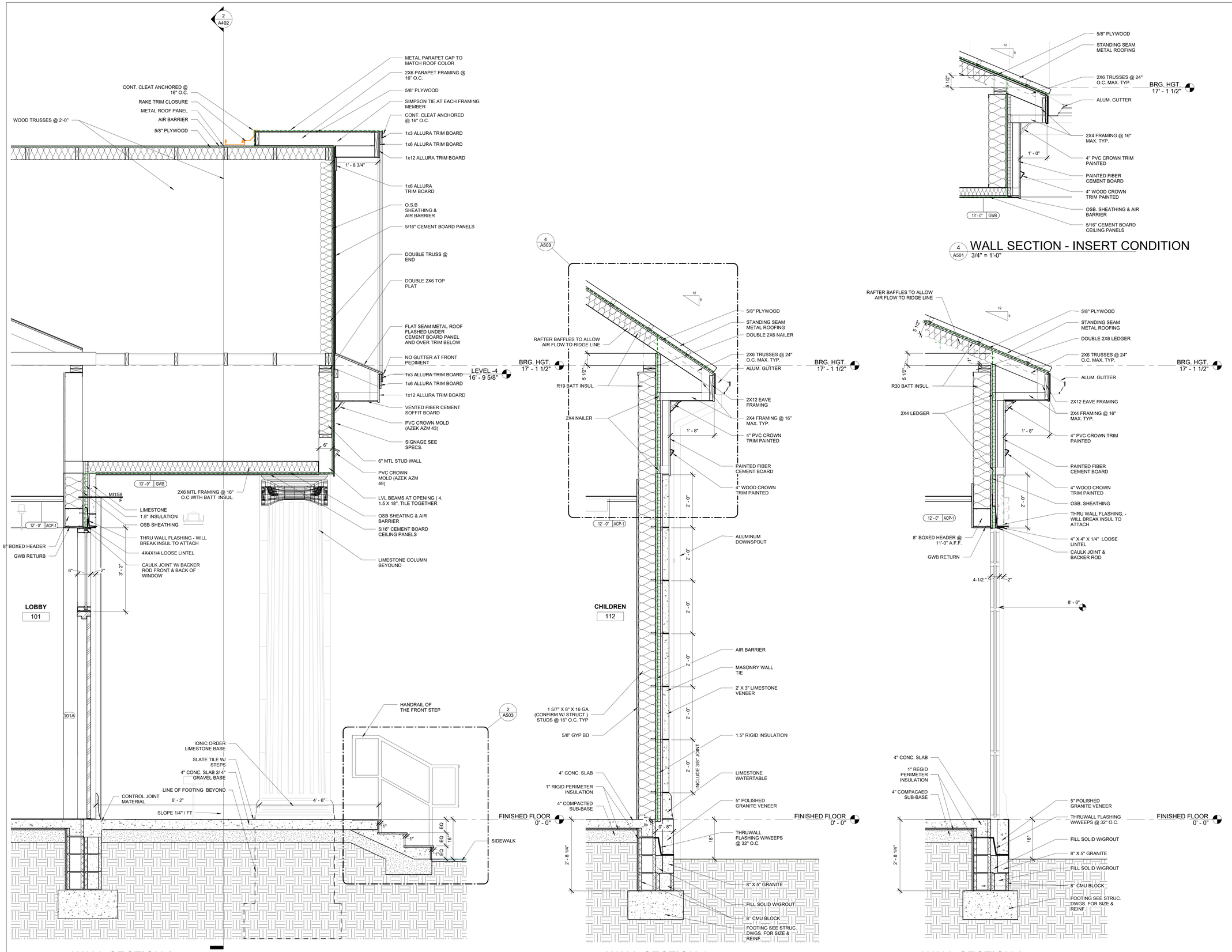

4 A501 WALL SECTION - INSERT CONDITION
3/4" = 1'-0"

3 A501 WALL SECTION 2
3/4" = 1'-0"

2 A501 WALL SECTION 1
3/4" = 1'-0"

1 A501 WALL SECTION 3
3/4" = 1'-0"

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WALL SECTIONS

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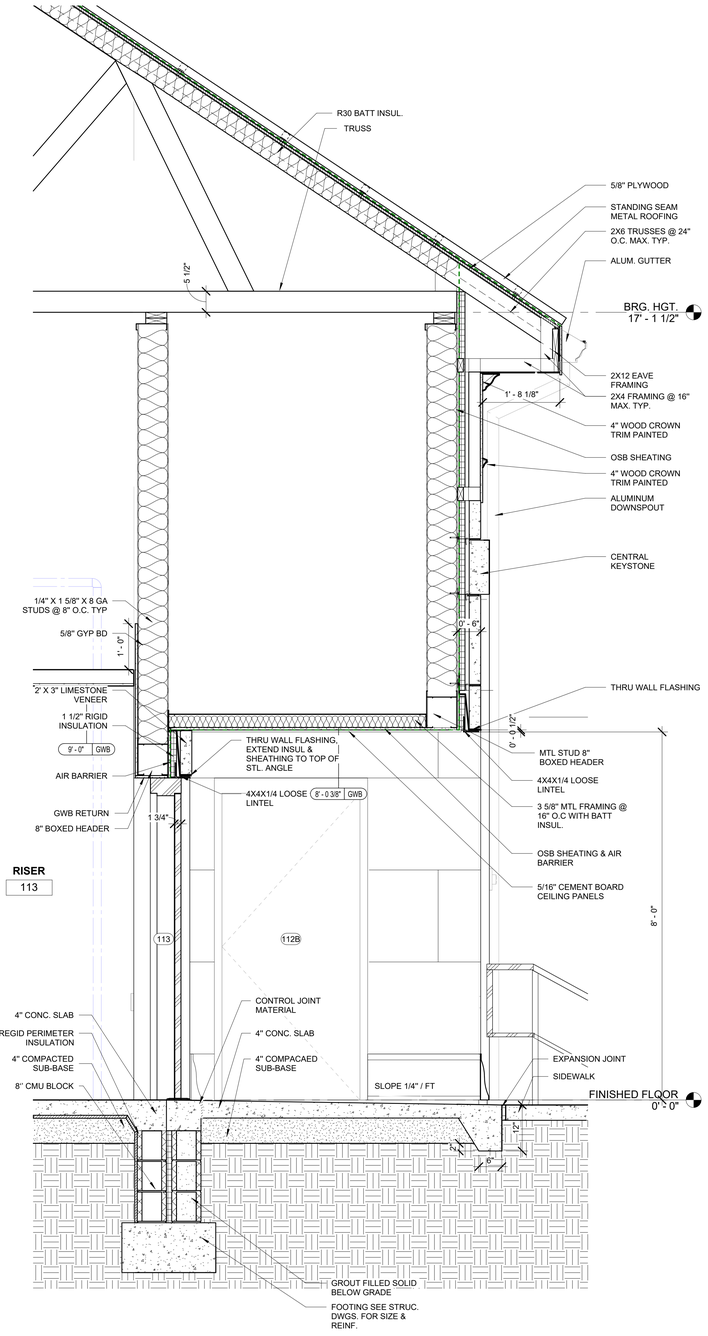
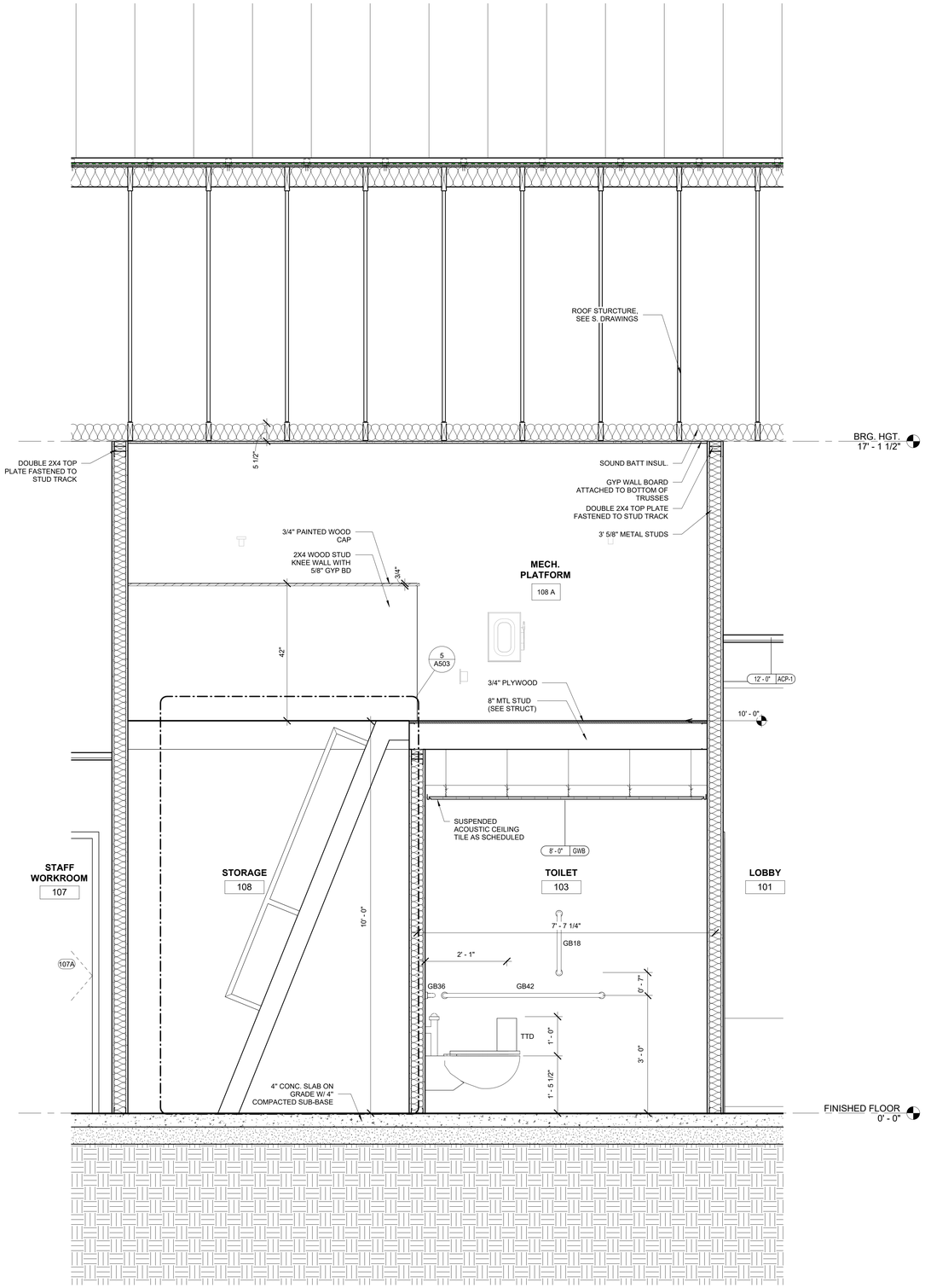


1 A502 WALL SECTION 4
3/4" = 1'-0"



2 A502 TOILET / STORAGE SHIP LADDER
3/4" = 1'-0"

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WALL SECTION

A502

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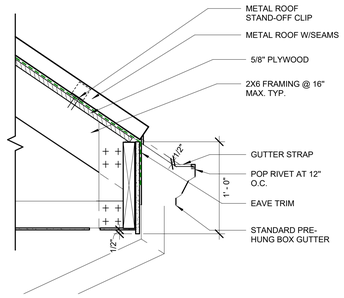
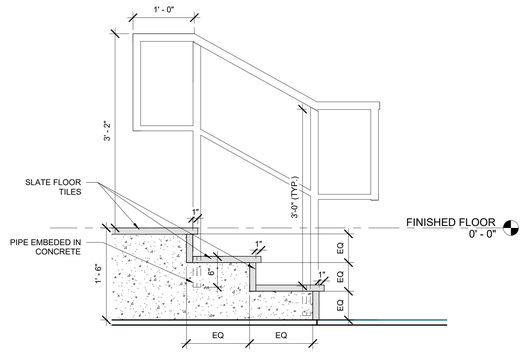
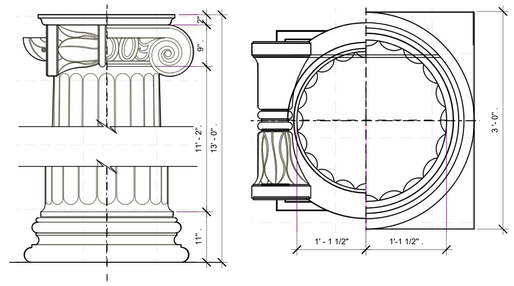


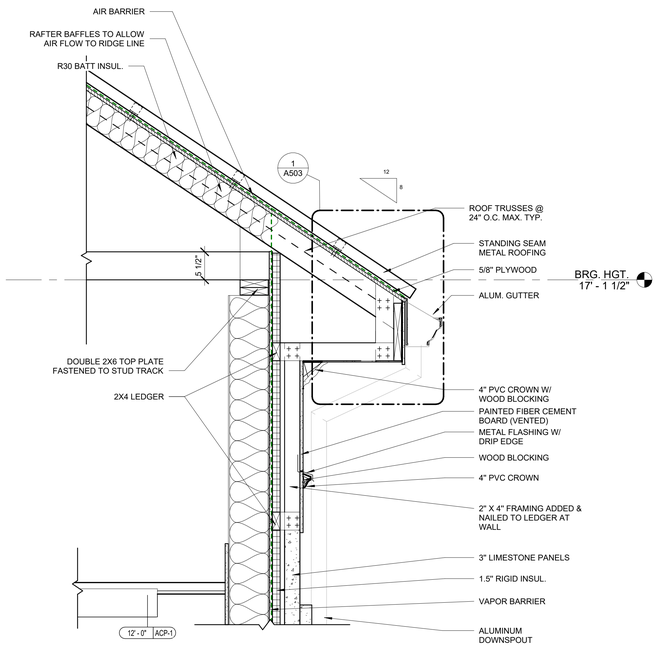
1 A503 ROOF GUTTER
1 1/2" = 1'-0"



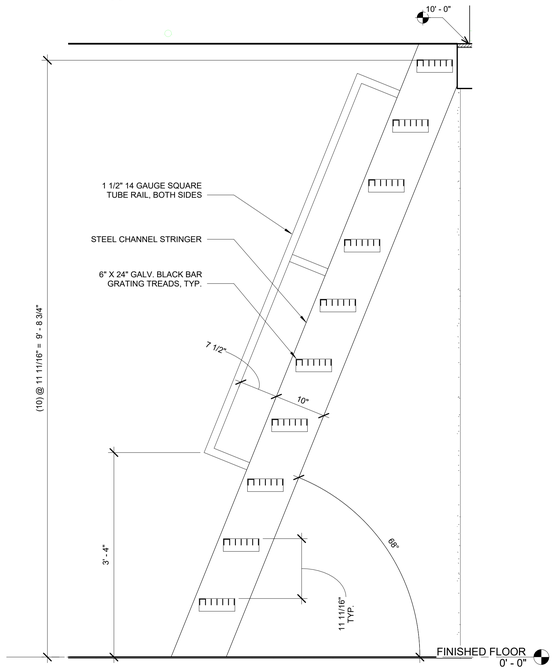
2 A503 HANDRAIL AT FRONT STEPS
1" = 1'-0"



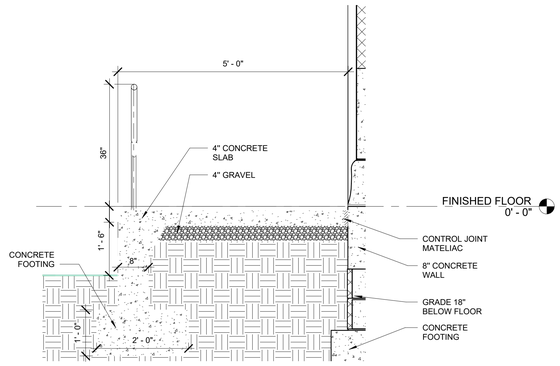
3 A503 IONIC COLUMN DETAIL
1" = 1'-0"



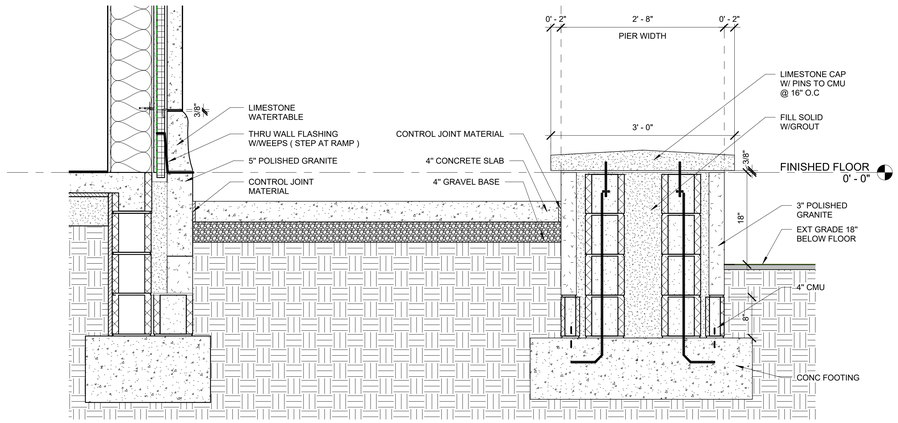
4 A503 DETAIL SECTION - ROOF 1
1" = 1'-0"



5 A503 UTILITY STAIR
1" = 1'-0"



6 A503 Section - RAMP
3/4" = 1'-0"



7 A503 WALL SECTION - RAMP
1" = 1'-0"

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DETAIL SECTION

A503

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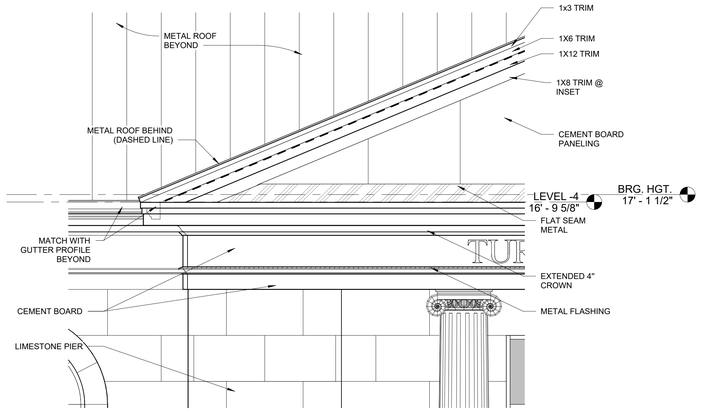
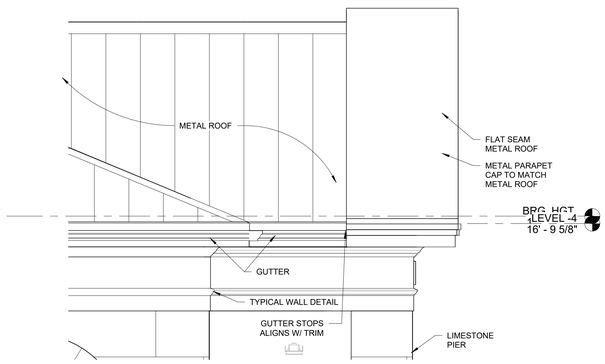


D7 / A504 ELEVATION FRONTAL
3/8" = 1'-0"



A7 / A504 ELEVATION SIDE
3/8" = 1'-0"

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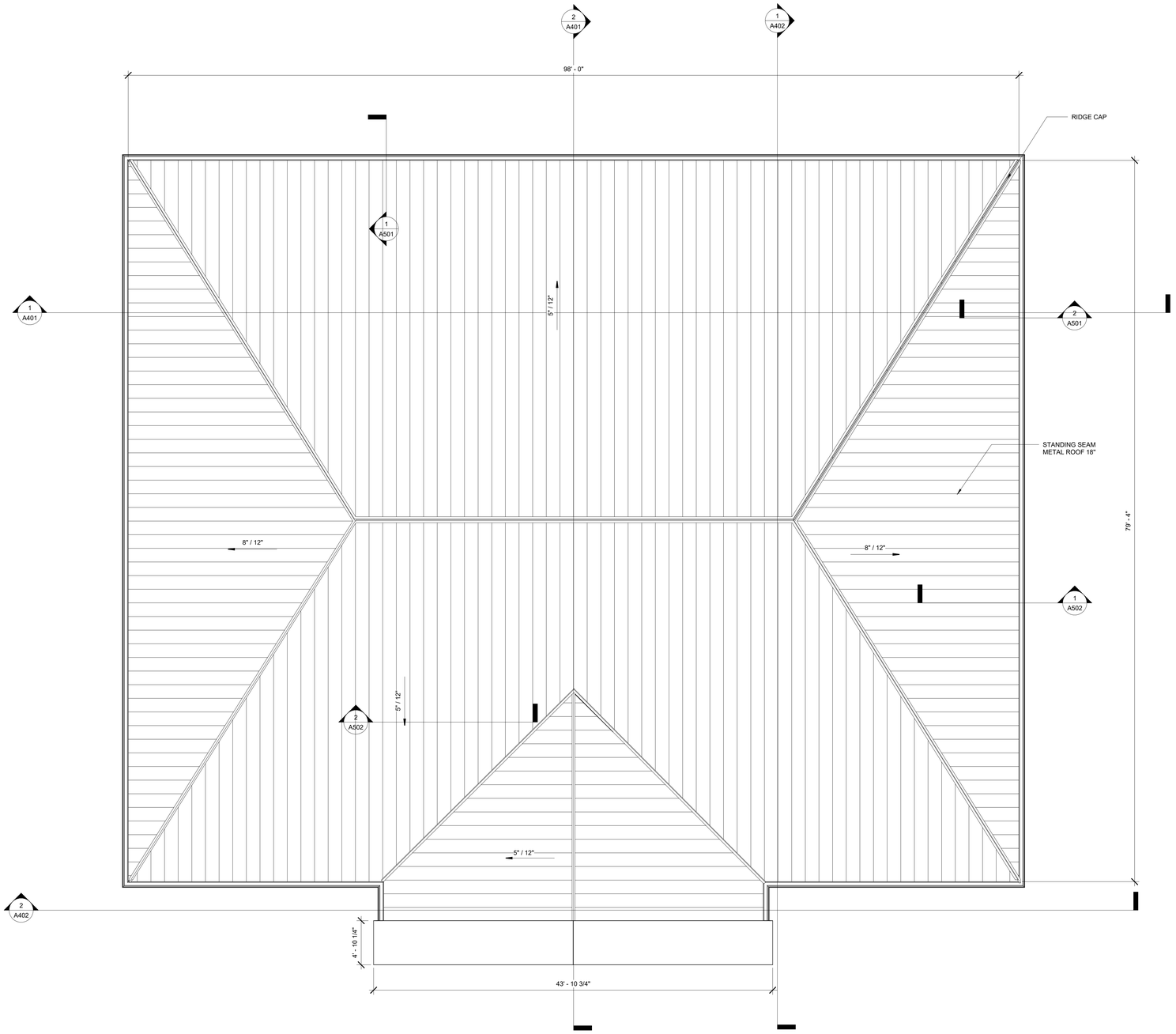

ROOF PLAN LEGEND

RD	ROOF DRAIN AND DRAIN SUMP
DS	DOWN SPOUT
OS	OVERFLOW SCUPPER
SLOPE 1/4" /FOOT	ROOF SLOPE

GENERAL ROOF NOTES

1. Unless otherwise noted, all roof slopes shall be 1/4" rise per foot.
2. Typical roofing shall be a ___ roofing system. See roof details for additional information.
3. Provide all tapered insulation, crickets, curbs, and accessories required for positive roof drainage.
4. Roof slopes shown indicate the final roof slope. roof structure slopes where indicated on structural drawings to reduce quantity of tapered insulation.
5. Provide splash box for roof top equipment condensate drains.
6. Contractor shall coordinate with mechanical and roofing contractor on the required height of all roof top equipment curbs and the height of the roofing insulation prior to installation of any work.

N
TRUE NORTH

B5/A601 ROOF PLAN
3/16" = 1'-0"

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ROOF PLAN

A601

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Room Finish Schedule					
Number	Name	Floor Type	Base Finish	Wall Finish	Comments
101	LOBBY	EM-1, LVT-1	RES-1	GWB/P-1	
102	TOILET	PP-1	- -	GWB/P-3, CWT-1	
103	TOILET	PP-1	- -	GWB/P-3, CWT-1	
104	MEETING ROOM	CPT-2	RES-1	GWB/P-2	
105	STOR	CPT-2	RES-2	GWB/P-1	
106	KITCHEN	LVT-1	RES-2	GWB/P-1	
107	STAFF WORKROOM	CPT-1	RES-2	GWB/P-1	
108	STORAGE	CPT-1	RES-2	GWB/P-1	
109	TOILET	PP-1	- -	GWB/P-2, CWT-1	
110	OFFICE	CPT-1	2	GWB/P-1	
111	ELEC	CONC/S	RES-2	GWB/P-1	
112	INFO	CPT-1	RES-1	GWB/P-1, 2	
112	ADULT	CPT-1, LVT-1	RES-1	GWB/P-1, 2	
112	CHILDREN	CPT-1, LVT-1	RES-1	GWB/P-1, VWC-1	OWNER PROVIDED MURAL
113	RISER	CONC/S	RES-1	GWB/P-1	
114	JANITOR	CONC/S	RES-1	GWB/P-1	

FINISH PLAN LEGEND

FLOORING

CPT-1
MFR: MOHAWK GROUP
STYLE: HIDDEN LANDSCAPE
COLOR: 979 THE 606
SIZE: 12" X 36"
INSTALL: HALF LAP

CPT-2
MFR: MOHAWK GROUP
STYLE: BIOME
COLOR: COASTLINE 947
SIZE: 12" X 36"
INSTALL: BASKET WEAVE

EM-1
MFR: MOHAWK GROUP
STYLE: DEFINING PACE
COLOR: PAVESTONE
SIZE: 24" X 24"
INSTALL: BRICK ASHLAR

LVT-1
MFR: KARNDEAN
STYLE: ART SELECT
COLOR: MERINO OAK
SIZE: 7" x 48"
MIL LAYER: 3 MM (GLUEDOWN)
INSTALL: PLANK

PP-1
MFR: CROSSVILLE
STYLE: OWEN STONE
COLOR: BUNNY, LTR
SIZE: 12" X 24"
EPOXY GROUT: MAPEI, WARM GRAY
INSTALL: BRICK, 30% OFF-SET
*USE SCHLUTER STAINLESS COVE TRIM BETWEEN PP-1 FLOOR AND CWT-1 WALL TILE

CONC/S
TEXTURE: SMOOTH
SEALER: CLEAR
FINISH: SATIN

BASE

RES-1
MFR: ROPPE
STYLE: CONTOURS
COLOR: 114 LUNAR DUST
PROFILE: FASHION #85
SIZE: 4-1/4"

RES-2
MFR: ROPPE
STYLE: TYPE TS PINNACLE BASE WITH STANDARD TOE
COLOR: 114 LUNAR DUST
SIZE: 4"

WALLS

P-1 (FIELD)
MFR: SHERWIN WILLIAMS
COLOR: GREY HERON SW 9566
FINISH: VARIES

P-2 (MEETING ROOM)
MFR: SHERWIN WILLIAMS
COLOR: WHISPER SW 9591
FINISH: VARIES

P-3 (RESTROOMS)
MFR: SHERWIN WILLIAMS
COLOR: SMOOTH STONE SW 9568
FINISH: VARIES

P-4 (CEILINGS)
MFR: SHERWIN WILLIAMS
COLOR:
FINISH: FLAT

CWT-1
MFR: DALTILE
STYLE: MYTHOLOGY
COLOR: TITAN MY96, GLOSSY
SIZE: 4" X 12"
INSTALL: VERTICAL BRICK
EPOXY GROUT: MAPEI, WARM GRAY
*USE SCHLUTER STAINLESS TRIM AT TOP ROW OF EXPOSED TILE EDGE
*USE SCHLUTER STAINLESS COVE TRIM BETWEEN PP-1 FLOOR AND CWT-1 WALL TILE

PLASTIC LAMINATE

PLAM-1 (PUBLIC AREAS)
MFR: FORMICA
PATTERN: PECAN WALNUT 6996-26
FINISH: OILED WOOD FINISH

PLAM-2 (BREAK ROOM CABINETS)
MFR: WILSONART
PATTERN: TITANIUM ALLOY 5058K-18
FINISH: LINEARITY FINISH

PLAM-3 (BREAK ROOM COUNTER TOPS)
MFR: PIONITE
PATTERN: LOVE LETTERS AW300
FINISH: TEXTURED / SUEDE

QUARTZ

QUARTZ-1
MFR: WILSONART
COLOR: HALDI Q4032
THICKNESS: 2 CM
EDGE: EASED

ROLLER SHADES

RS-1
MFR: MECHO SHADES
SHADE FABRIC: SOHO 100
COLOR: 1103 LIGHT GREY
OPENESS FACTOR: 1%

RS-2
MFR: MECHO SHADES
SHADE FABRIC: SOHO 100
COLOR: 1903 LIGHT GREY
OPENESS FACTOR: 5%

FLOORING MATERIAL TRANSITIONS

CPT TO CPT = NONE

CPT TO LVT = NONE

EM TO LVT = RUBBER REDUCER

LVT TO PP = SCHLUTER ANGLED

CPT TO PP = SCHLUTER L-SHAPED

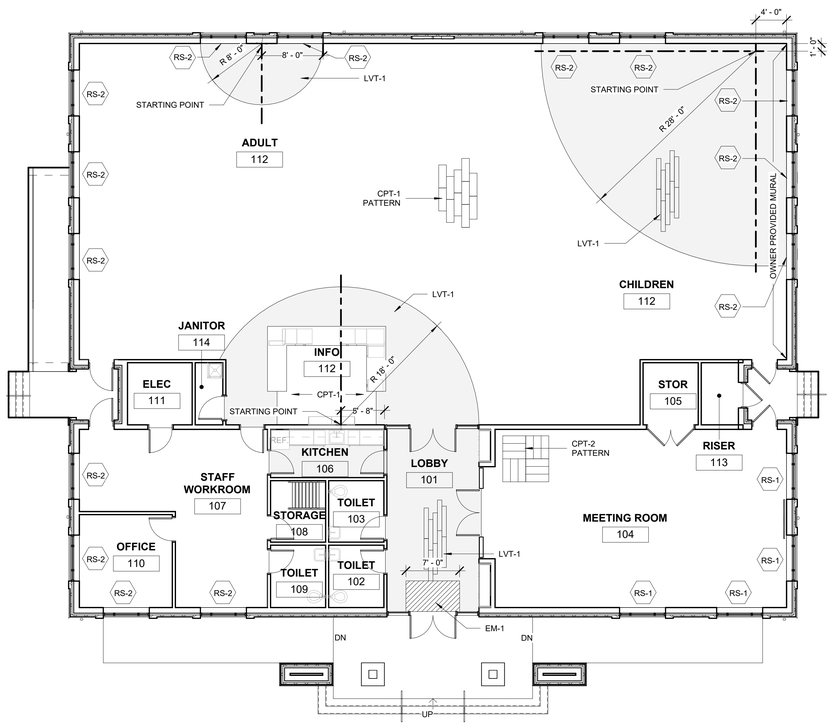
CPT TO CONC/S = RUBBER REDUCER

FINISH ABBREVIATION LEGEND

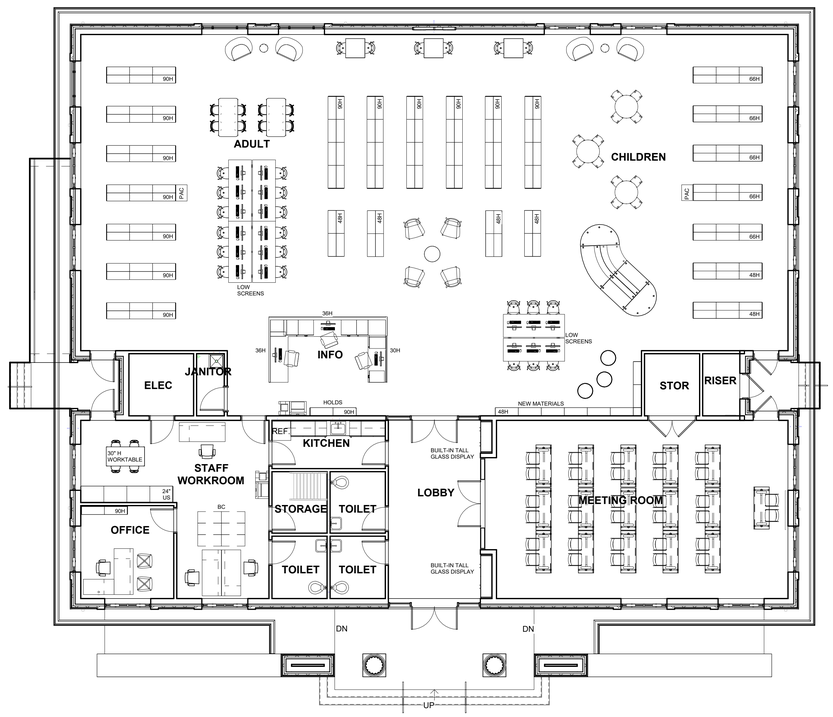
CMU/P	CONCRETE MASONRY UNIT/PAINTED
CONC/S	SEALED CONCRETE
CPT	CARPET
EM	ENTRY MAT CARPET TILES
GWB/P	GYPSUM WALL BOARD/PAINT
LVT	LUXURY VINYL TILE
PLAM	PLASTIC LAMINATE
PP	PORCELAIN PAVER
RES	RESILIENT
RS	ROLLER SHADES
WD/ST	STAINED WOOD

INTERIOR FINISH NOTES

1. ALL GYPSUM WALLS SHALL BE PAINTED P-1 EGGSHELL FINISH UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE AND PLANS FOR OTHER DESIGNATIONS.
2. ALL FREESTANDING COLUMNS IN A ROOM SHALL BE PAINTED TO MATCH OTHER WALLS IN ROOM UNLESS NOTED OTHERWISE.
3. ALL HOLLOW METAL DOORS AND FRAMES SCHEDULED TO BE PAINTED, SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR, FINISH SEMI-GLOSS.
4. ALL GYPSUM CEILINGS AND SOFFITS SHALL BE PAINTED P-4, FINISH FLAT, ON ALL FACES UNLESS NOTED OTHERWISE.
5. ALL MECHANICAL GRILLS SHALL BE PAINTED TO MATCH ADJACENT WALL, FINISH SEMI-GLOSS.
6. PAINTING CONTRACTOR SHALL REVIEW THE SURFACES OF ALL MATERIALS THAT ARE INDICATED TO BE PAINTED AND SHALL BRING TO THE ATTENTION OF THE CONTRACTOR ANY SURFACES THAT ARE NOT ACCEPTABLE TO RECEIVE PAINT. WALL SURFACES THAT CONTAIN BLEMISHES, CONCRETE SPATTERINGS, CAULKING DRIPS, PAINT RUNS, NAILS, SCREWS, UNEVEN FINISH SURFACES, ETC, SHALL BE CORRECTED PRIOR TO FINAL PAINT. FAILURE OF NOT CORRECTING THESE ITEMS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO CORRECT THIS WORK, EVEN AFTER FINAL PAINTING IS COMPLETED.
7. REMOVE PAINT FROM ALL ITEMS NOT INTENDED TO BE PAINTED SUCH AS LIGHT SWITCH PLATES, ELECTRICAL RECEPTACLES, FIRE ALARM STROBES, LIGHT FIXTURES, SPEAKERS, DOOR HARDWARE, FLOOR TILES, WALL BASE, CEILING TILES, GRID, ETC.
8. ALL NEW WOOD DOORS SHALL BE MASONITE SPECIES SELECT WHITE MAPLE, STAINED TO MATCH ARCHITECT'S SAMPLE, FINISH LOW GLOSS.
9. CERAMIC WALL TILE ON WET WALLS IN ALL PUBLIC RESTOOMS SHALL EXTEND FROM FINISH FLOOR TO 4'-0" AFF OR NEAREST WHOLE TILE. SEE FINSIH PLANS FOR LOCATIONS.
10. SEE FINISH LEGEND AND PLAN FOR FLOORING INSTALLATION PATTERNS.
11. ALL RUBBER FLOORING TRANSITION STRIPS SHALL BE ROPPE, COLOR LUNAR DUST.
12. FLOOR MATERIAL TRANSITIONS SHALL OCCUR UNDER THE CENTERLINE OF THE ROOM DOORS IN A CLOSED POSITION. SEE FINISH LEGEND FOR FLOOR TRANSITION DETAILS.
13. IN BREAKROOM, ALL LAMINATE CABINETS SHALL BE PLAM-2 AND LAMINATE COUNTERTOPS SHALL BE PLAM-3.
14. IN PUBLIC AREAS ALL LAMINATE CABINETS, SHELVES, SKIRTS, SUPPORTS, AND OPEN SHELVES SHALL BE PLAM-1.
15. IN PUBLIC AREAS, ALL QUARTZ COUNTERTOPS SHALL BE QUARTZ-1.
16. ALL ELECTRICAL RECEPTACLE PLATE COLORS SHALL BE WHITE WITH WHITE RECEPTACLES.
17. ALL MANUAL ROLLER SHADES IN MEETING ROOM SHALL BE RS-1. ALL MANUAL ROLLER SHADES IN OTHER SPACES SHALL BE RS-2. SEE FINISH PLAN FOR LOCATIONS.
18. OWNER PROVIDED WALL MURAL LOCATION NOTED ON FINISH PLAN AND INTERIOR ELEVATIONS.
19. SEE SIGNAGE ALLOWANCE FOR ALL INTERIOR AND EXTERIOR SIGNAGE.



A7 / A701 LEVEL 1 - FINISH PLAN
1/8" = 1'-0"



1 / A701 LEVEL 1 - FINISH PLAN FURNITURE
1/8" = 1'-0"

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FINISH PLAN, SCHEDULE, LEGEND AND NOTES

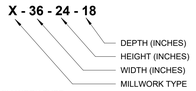
A701

7 6 5 4 3 2 1
F E D C B A

TOILET ACCESSORY LEGEND

TTD	TOILET TISSUE DISPENSER
GB42	42" GRAB BAR
GB36	36" GRAB BAR
GB18	18" GRAB BAR (VERTICAL MOUNT)
SGB	SHOWER GRAB BAR
M1	24" x 36" MIRROR
M2	48" x 48" MIRROR
M3	18" x 48" MIRROR
M4	24" X 72" MIRROR
CH	COAT HOOK
MOP	MOP RACK
SND	SANITARY NAPKIN DISPOSAL UNIT
SNDU	SANITARY NAPKIN DISPENSER UNIT
SD	SOAP DISPENSER

CASEWORK LEGEND

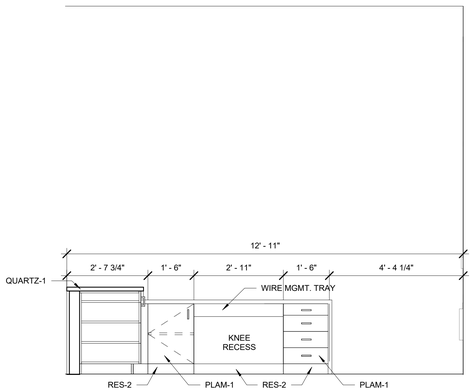


MILLWORK TYPE:

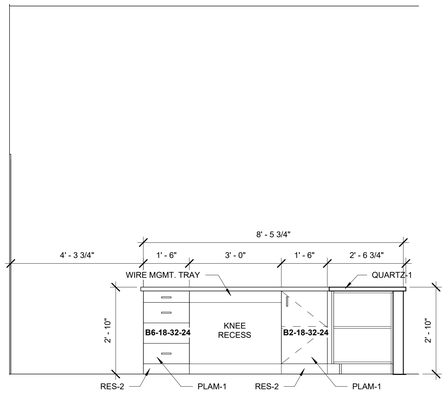
B	BASE CABINET
BS	BASE SHELF
W	WALL CABINET

NOTES:

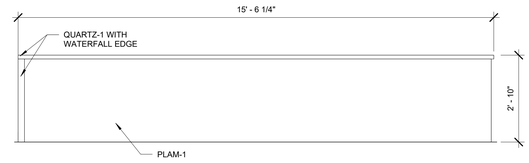
1. SECTIONS AND DETAILS IN ACCORDANCE WITH A.W.I. STANDARDS. SEE SPECIFICATIONS FOR QUALITY GRADE.
2. SEE ELEVATIONS FOR SHELVING AND DOOR CONFIGURATIONS.



E5 A702 CONTROL DESK - ELEV A
1/2" = 1'-0"



E4 A702 CONTROL DESK - ELEV C
1/2" = 1'-0"



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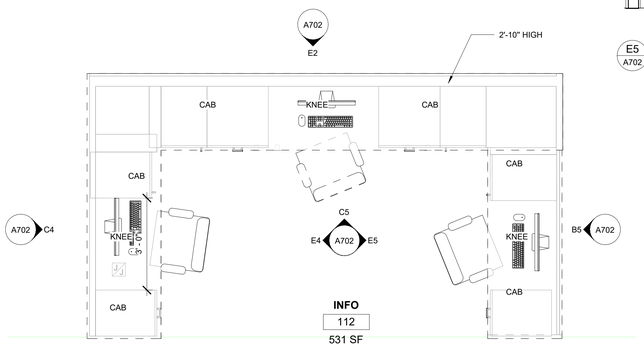

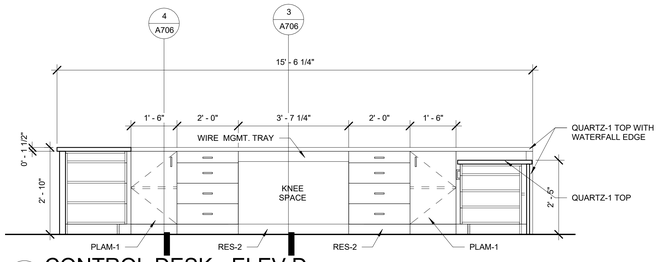

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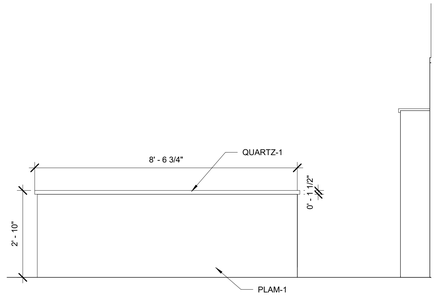

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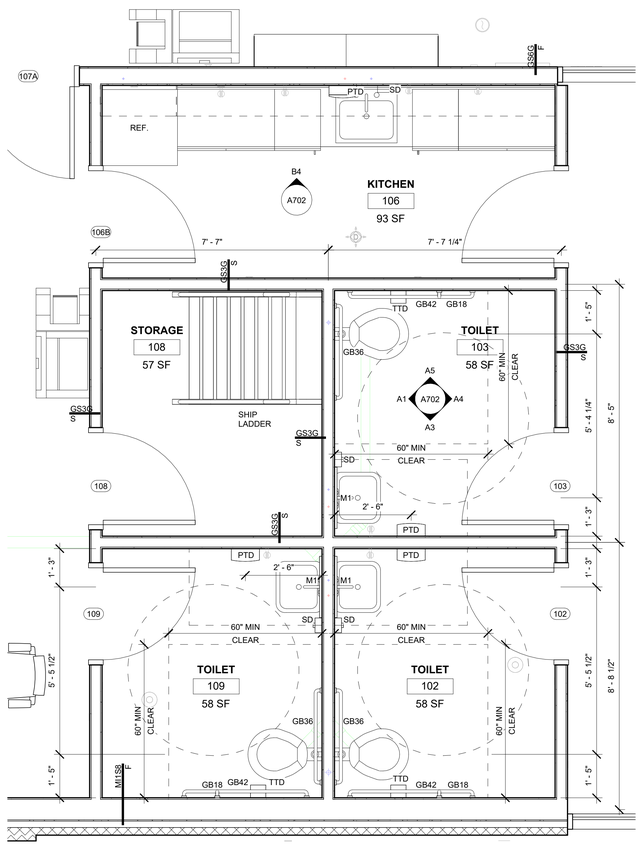

A7 A702 ENLARGED PLAN
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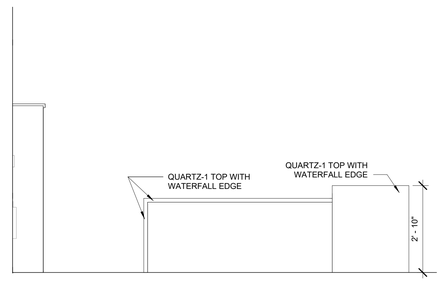

B5 A702 CONTROL DESK - ELEV G
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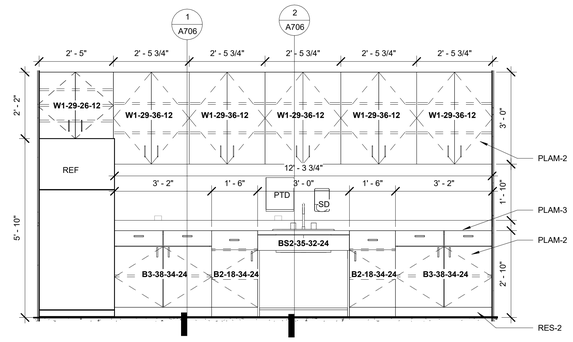
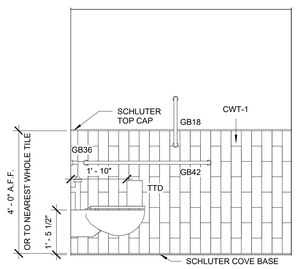


B4 A702 KITCHEN - ELEV A
1/2" = 1'-0"



A5 A702 TLT ELEV - A, TYP.
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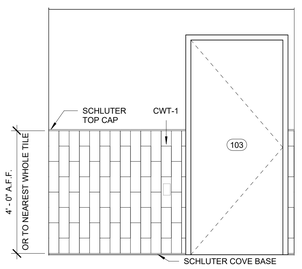

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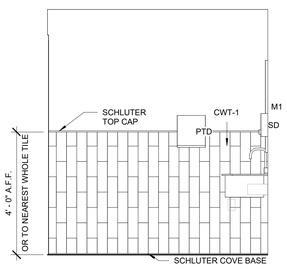

A3 A702 TLT ELEV - C, TYP.
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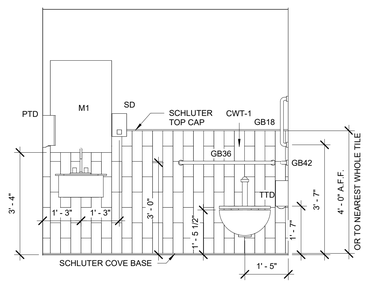

A1 A702 TLT ELEV - D, TYP.
1/2" = 1'-0"

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ENLARGED TOLIET PLAN & ELEV

A702

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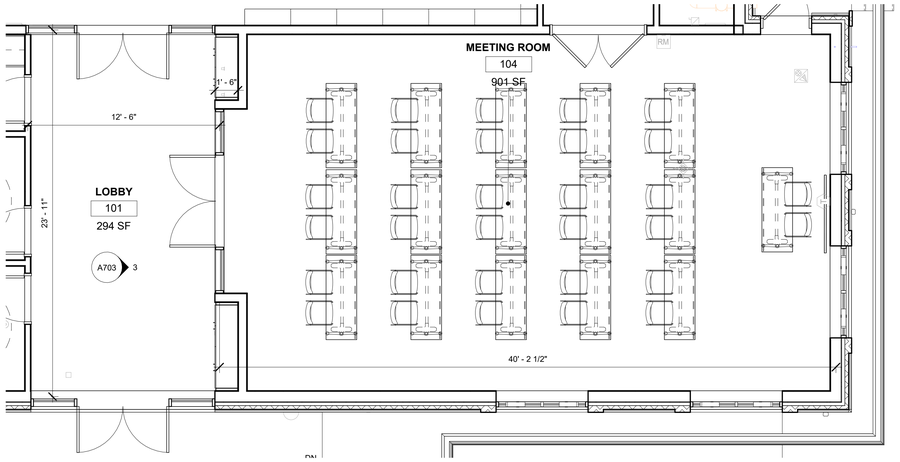

2 A703 ENLARGED PLAN - MEETING RM
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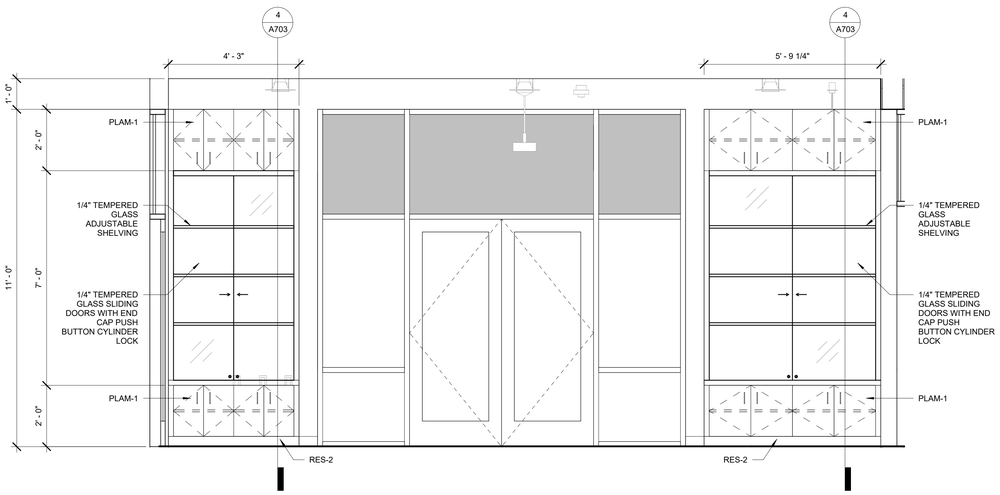

3 A703 LOBBY - ELEV B
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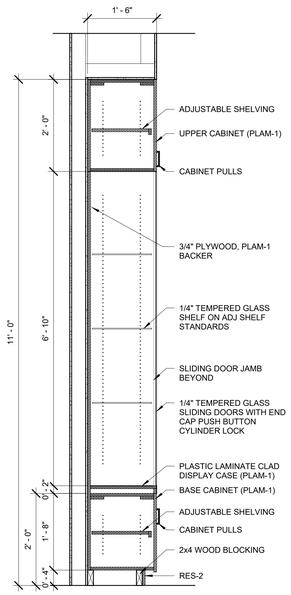

4 A703 DISPLAY CASE SECTION
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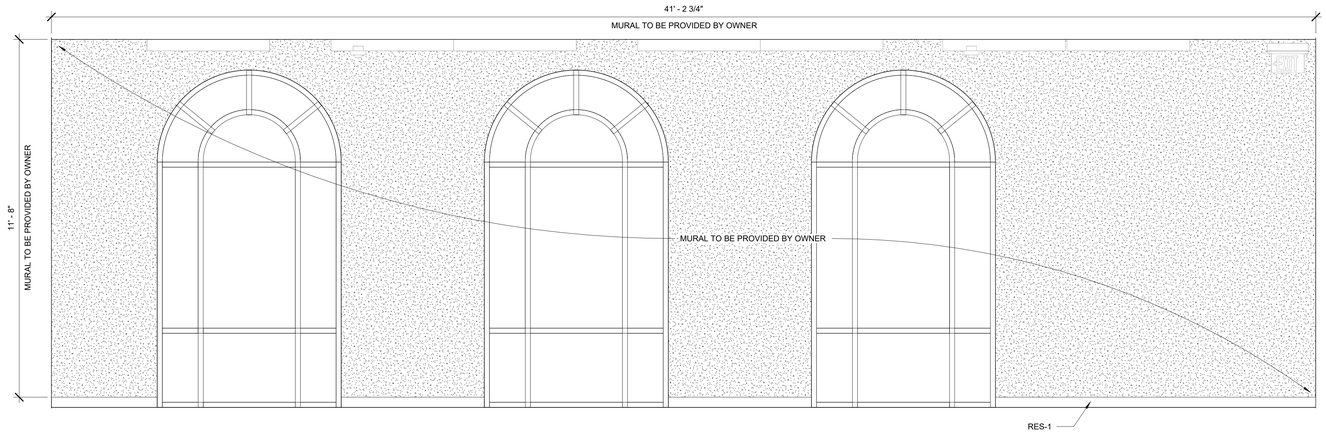

1 A703 LIBRARY CHILDREN - ELEV B
1/2" = 1'-0"

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INTERIOR ELEVATIONS

A703

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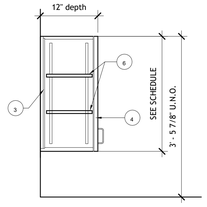

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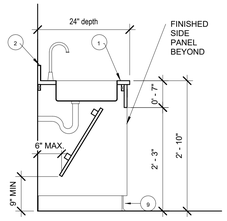

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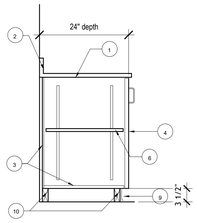

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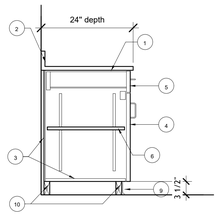

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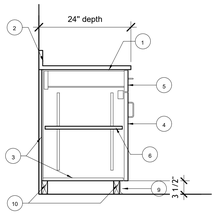

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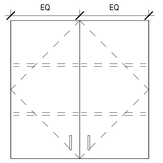
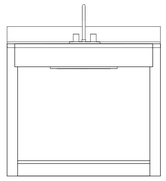


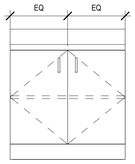
ELEVATION

W1
hw



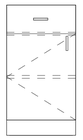
ELEVATION

BS1
hw



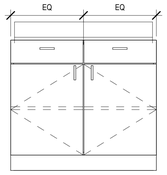
ELEVATION

B1
hw



ELEVATION

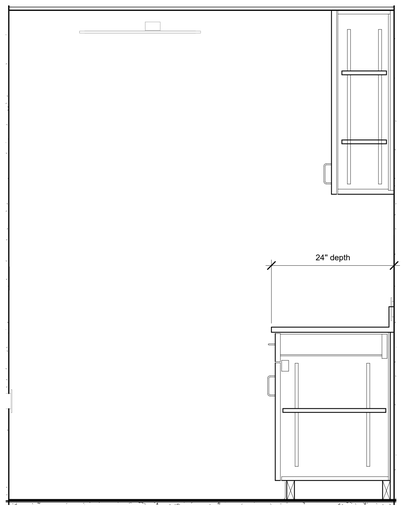
B2
hw



ELEVATION

B3
hw

CABINET TYPES
3/4" = 1'-0"



1 A706 Detail 0
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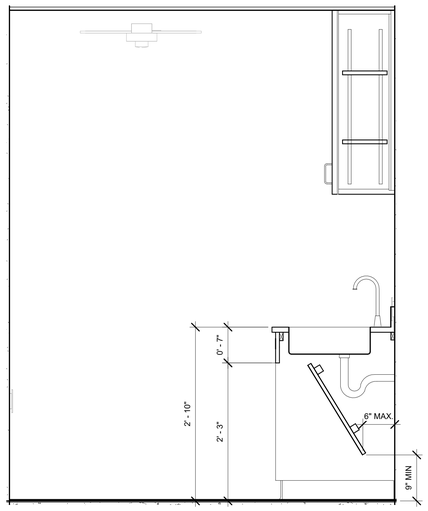

2 A706 Detail 1
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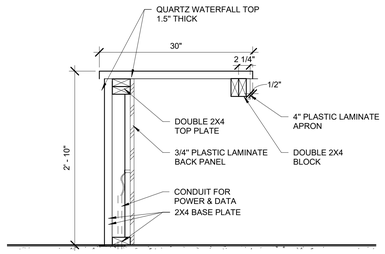

3 A706 SECTION - CONTROL DESK
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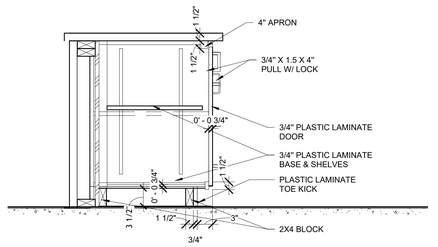

4 A706 SECTION - CONTROL DESK 2
1" = 1'-0"

CASEWORK LEGEND

X - 36 - 24 - 18

- DEPTH (INCHES)
- HEIGHT (INCHES)
- WIDTH (INCHES)
- MILLWORK TYPE

MILLWORK TYPE:

B	BASE CABINET
BS	BASE SHELF
W	WALL CABINET

NOTES:

1. SECTIONS AND DETAILS IN ACCORDANCE WITH A.W.I. STANDARDS. SEE SPECIFICATIONS FOR QUALITY GRADE.
2. SEE ELEVATIONS FOR SHELVING AND DOOR CONFIGURATIONS.

CASEWORK GENERAL NOTES:

1. FOR BASE AND WALL CABINETS, PROVIDE BLOCKING AT STUD WALLS AS REQUIRED TO SUPPORT CASEWORK. AT CMU, PROVIDE ALL NECESSARY PROVISIONS FOR MOUNTING CASEWORK TO WALL.
2. CASEWORK CONTRACTOR TO COORDINATE CASEWORK WITH FINAL UNIT VENTILATOR SIZES.
3. INTERIOR FACE OF CABINET DOOR TO MATCH EXTERIOR PLASTIC LAMINATE FINISH.

CASEWORK CONSTRUCTION NOTES:

1. **COUNTERTOP** - TOP TO BE PARTICLE BOARD 1-1/4" THICK X 24" WIDE. PLASTIC LAMINATE (GP-50) ALL EXPOSED SURFACES. PROVIDE 2" RADIUSED, OUTSIDE CORNER.

2. **BACKSPLASH** - 3/4" THICK PARTICLE BOARD x 4" HIGH (U.N.O.) W/ PLASTIC LAMINATE (GP-50) ALL EXPOSED FACES. PROVIDE RETURNS WHERE COUNTER END MEETS WALLS. PROVIDE PER CABINETRY ELEVATIONS

3. **CABINET CASE** - BOTTOM SHELF, SIDES AND TOPS OF WALL CABINETS TO BE 3/4" THICK PARTICLE BOARD W/ 1/4" HARDBOARD AT BACK PANEL CABINET LINER (CL-20) ALL SEMI-EXPOSED FACES. PLASTIC LAMINATE AT ALL EXPOSED FACES

4. **CABINET DOOR** - 3/4" THICK PARTICLE BOARD W/ PLASTIC LAMINATE AT ALL FACES. INSTALL 4" BRUSHED CHROME WIRE PULL (U.N.O.).

5. **CABINET DRAWER** - FACE TO BE 3/4" THICK PARTICLE BOARD, SIDES, BACK AND BOTTOM 1/2" THICK WOOD. PLASTIC LAMINATE AT ALL EXPOSED FACES. INSTALL 4" BRUSHED CHROME WIRE PULL (U.N.O)

6. **ADJUSTABLE SHELF** - 3/4" THICK PARTICLE BOARD WITH PLASTIC LAMINATE AT ALL EXPOSED FACES, CABINET LINER (CL-20) ALL SEMI-EXPOSED FACES. PROVIDE 2 SETS OF ADJUSTABLE STANDARDS AND BRACKETS @ EACH END.

7. **CLOSURE TRIMS** - 3/4" THICK x 3" WIDE PARTICLE BOARD W/ PLASTIC LAMINATE AT EXPOSED EDGE.

8. **FIXED SHELF** - 3/4" THICK PARTICLE BOARD W/ PLASTIC LAMINATE AT ALL EXPOSED FACES. CABINET LINER (CL-20) ALL SEMI-EXPOSED FACES. MAXIMUM BETWEEN VERTICAL SUPPORTS 3'-0".

9. **BASE TRIM** - INSTALL BASE PER ROOM FINISH SCHEDULE OVER 3/4" THICK PARTICLE BOARD.

10. **BLOCKING** - PROVIDE WOOD BLOCKING

11. PROVIDE VALANCE AT WALL CABINETS ONLY WHERE UNDER CABINET LIGHTING IS PROIVIDED. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS.

12. **GYPSUM BOARD BULKHEAD** - PROVIDE 5/8" GYP. BD. ON STUD FRAMING @ 24" O.C. MIN. EXTEND 4" ABOVE CEILING AND 2" IN FRONT OF CABINET. LOCATIONS WHERE INDICATED IN ELEVATION

13. **CLOSET ROD** - KNAPE & VOGT #660 SS, FLANGES #1734 CHR AND #1735 CHR

14. DOOR/DRAWER KEY LOCK

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CASEWORK SCHEDULE

A706

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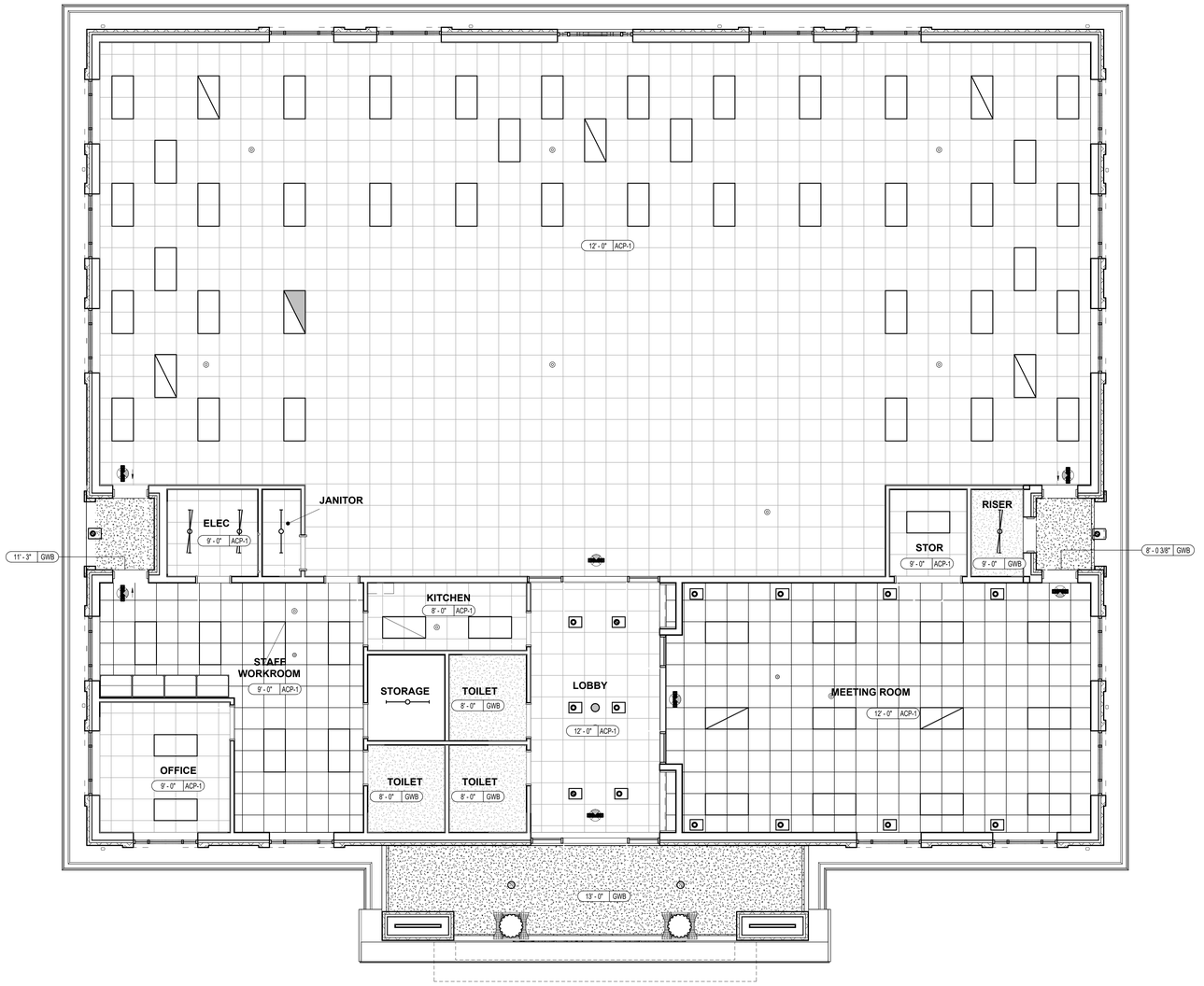

N
TRUE NORTH

B6 / A801 LEVEL 1 REFLECTED CEILING PLAN
3/16" = 1'-0"

GENERAL CEILING NOTES

1. See finish schedule for ceiling material specifications.
2. Unless noted otherwise, suspended grid ceilings shall be centered in all spaces.
3. Unless noted otherwise, all ceiling heights shall be installed 9'-0" above the finished floor elevation.
4. Provide access panels where required for access to equipment or devices located above continuous hard ceilings. The Contractor shall coordinate the reflected ceiling plans with engineering drawings for access door locations. Where ceiling access doors are required in public areas such as lobbies, public restrooms and conference rooms, access doors shall be through a removable grille in lieu of an operable access door. All access doors shall be indicated on coordination drawings and coordinated in the field with the Architect / Engineer.
5. See engineering drawings for mechanical and electrical devices that are within the scope of the project but which are not depicted on these drawings.
6. Unless noted otherwise, all devices including, but not limited to, lights, speakers, mechanical grilles, and switches shall be centered within the ceiling tile where indicated.
7. Contractor shall provide all necessary framing and cross bracing for gypsum ceilings and vertical walls that define a break in a ceiling plane.
8. All suspended ceiling work shall meet the requirements of all applicable codes and standards. Determination and evaluation of applicable code requirements, the engineering design of the system, and the installation of mechanical and electrical equipment within the suspended ceiling assembly shall be the responsibility of the Contractor or specialty Subcontractors. If required by code, an engineer licensed in the state in which the project is located shall design the system and submit design documents and calculations to the Architect for review.
9. The Contractor shall coordinate all utility piping, ductwork, conduit, equipment, devices, fixtures and grilles with the architectural reflected ceiling plans and building sections. System components indicated on the drawings are approximate in nature and must be coordinated between all Subcontractors during the submittal phase and prior to installation of equipment. The Contractor shall prepare coordination drawings for review and approval prior to the installation of any systems components or suspended ceilings.

REFLECTED CEILING PLAN LEGEND

	ACP-1: 2'x2' SUSPENDED ACOUSICAL PANEL CEILING SYSTEM
	GWB: SUSPENDED GYPSUM BOARD CEILING
	PROJECTION SCREEN
	2 x 4 LIGHT FIXTURE
	2 x 2 LIGHT FIXTURE
	1 x 4 LIGHT FIXTURE
	LINEAR PENDANT LIGHT FIXTURE
	STRIP LIGHT FIXTURE
	TRACK LIGHT FIXTURE(S)
	PENDANT LIGHT FIXTURE
	DOWN LIGHT
	SUPPLY AIR DIFFUSER
	RETURN AIR DIFFUSER
	CEILING ACCESS PANEL
	OVERHEAD PROJECTOR (NIC)
10'-10 3/4" | XX-XX	CEILING ELEVATION ABOVE FINISHED FLOOR / MATERIAL

KEY NOTE LEGEND

01	SLOPED CEILING
02	FOLDING PANEL PARTITION
03	LINE OF SOFFIT ABOVE

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CHECKED BY:	DD

REFLECTED CEILING PLAN

A801

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01000 GENERAL

1. The structure reflected on the drawings is structurally sound in its completed condition only. The design of any and all temporary shoring and bracing prior to the completed condition shall be the contractor's responsibility. The Structural Engineer of Record (EOR) shall not be responsible for the means, methods, techniques, sequences, procedures nor safety programs which are employed by the contractor to build the completed structure. Any deviations from the completed structure represented in the drawings must be submitted to the EOR for approval in writing.
2. The Contractor shall verify all conditions including existing structures (above and below grade) and shall notify of the EOR of any discrepancies. The Contractor shall perform all required field measurements.
3. The Sections and Details shown shall be considered to be typical for all similar conditions. The Contractor shall submit written Requests for Information for areas in question.
4. The Contractor shall submit shop drawings for each of the structural components shown on the drawings. Four copies of the shop drawings shall be submitted to the Architect for distribution.

01400 QUALITY CONTROL SERVICES:

1. A Testing Agency shall be retained by the Owner to perform necessary testing as required by Chapter 17 of the International Building Code. In addition, the testing agency, at the owner's expense, shall perform the following minimum tests. The Contractor shall provide shop drawings, specifications, and design drawings to the testing agency. Testing reports shall be submitted to the EOR within two weeks of performing the tests. The Contractor shall alert the owner to testing costs when submitting the job costs. The Contractor shall provide retesting required for nonconforming items.
2. Earthwork: Footing subgrades and fill placements to be reviewed and tested. Frequency of testing to be determined by the geotechnical engineer.
3. Concrete: Testing agency shall inspect placement of all reinforcing as shown on drawings and schedules. Concrete testing shall be in accordance with ACI 301 and applicable ASTM standards. The following tests should be performed for each day's first load and each 100 cubic yards:
   a. Weight of concrete, ASTM C 138.
   b. Slump, ASTM C 143,
   c. If required, Air content of freshly mixed concrete by pressure method, ASTM C 231 or volumetric method, ASTM C 173.
   d. Concrete temperature at placement time.
   e. Air temperature and weather (windy, cloudy, etc) at placement time.
   f. Strength determined in accordance with ASTM C 39.
4. Masonry: Testing Agency shall review all CMU construction, including the reinforcing placement and grout fill. Ensure that block and mortar comply with specified materials.
5. Light Gage Steel Framing: Testing Agency shall review all light gage metal installation to confirm sizes/gage match that shown on the light gage vendor shop drawings. Connections shall be visually observed to confirm conformance with light gage vendor shop drawings.

03000 FOUNDATIONS:

1. The Contractor shall notify the EOR of any below grade structure which may affect the foundation performance.
2. Foundations shall bear on residual soils or engineered fill capable of supporting an allowable pressure of 2000 psf. Soils shall be stable, and any expansive, compressible, or shifting material shall be removed to ensure a stable moisture content. Slabs on grade are designed for a modulus of subgrade reaction of 175 pci using a K = 30. Refer to the project geotechnical report for fill placement and compaction requirements required to obtain these design parameters.
3. Retaining walls are design for At Rest Coefficients of 0.45; Active Coefficient of 0.33; Passive Coefficient of 3.0; Friction Factor of 0.35. Refer to the project geotechnical report for backfill placement procedures and material required to provide these coefficients. Walls acting as retaining walls shall not be backfilled without shoring until all supporting structures and soil are in place. Provide adequate drainage behind walls to eliminate hydrostatic pressure on the wall.
4. Slab sub-base requirements:
   a. See the geotechnical report for stone base specifications. Stone base must meet requirements for Radon mitigation if appropriate.

03300 CAST-IN-PLACE CONCRETE:

1. All concrete work and materials shall be in accordance with ACI 318 and ACI 301.
2. Minimum Material Specifications:
   a. Portland Cement: ASTM C150, Type 1
   b. Fly Ash: ASTM C 618, Type F (limit to 20% of cementitious content)
   c. Maximum water/cementitious material ratio: 0.5 for slabs
   d. No water may be added at the site without consent of the engineer.
3. Foundations:
   a. Foundations shall have a 28 day compressive strength of 3000 psi.
4. Slabs-on-grade:
   a. Interior slabs-on-grade and foundations shall have a 28 day compressive strength of 3000 psi.
   b. Interior slabs to receive a hard steel trowel finish with overall $F_f = 35$ and $F_l = 25$, and minimum local values of $F_f = 24$ and $F_l = 17$.
   c. Exterior slabs (under roof or floor) shall have air entraining admixture to provide 6% entrained air. Chamfer all exposed slab edge corners (3/4").
   d. Slabs shall be cured using a curing compound containing 30% solids following the manufacturer's specifications. Curing compound shall be compatible with floor finishes.
   e. Vapor barrier under slab shall meet permeability requirements of the floor finishes. As a minimum, a 10 mil vapor barrier is required, lapping and sealing all seams.
   f. Provide sawcut control joints or construction joints at 12'-0" (maximum) square pattern (see slab plan for other requirements). Cut 1" joints as soon as possible after finishing (within 12 hours of placement). Construction joints shall be formed by thickening the slab to 8" within 18" of the joint and installing a continuous key or ¾" dowels at 18" o.c. Joint filler specification to be by owner or architect.
   g. Welded Wire Fabric (ASTM A185) (if specified in slabs on grade) shall be installed 1" from the top face of the slab, lapping edges 6". WWF to be supplied in sheet stock only.
   h. Provide isolation joints at column baxouts, walls, and penetrations.
   i. Reinforce at all re-entrant corners with no control joints with (2) #3 x 4'-0" long centered on the corner, located in the top of the slab. Reinforce around all pipe or box penetrations greater than 3" with (4) #3 in diamond pattern.
   j. Specification of exterior concrete paving or sidewalks is by the Civil Engineer.
   k. Concrete splatter on walls or adjacent slabs shall be removed.
5. Reinforcing Steel:
   a. All detailing, fabrication, and placing shall be in accordance with ACI 315.
   b. Reinforcing steel shall be new billet bars conforming to ASTM A615, grade 60.
   c. Provide 3" concrete cover for all concrete cast against earth.
   d. Provide hooked dowels in footing equivalent in size and spacing to wall reinforcing. Extend dowels 48 bar diameters into wall. Lap splices in walls to be 48 bar diameters.
   e. Provide class B splices at horizontal bars in walls and wall corners.
6. Post-Installed Anchors
   a. Expansion Anchors to be Hilti Kwik Bolt 3, ITW Redhead Trubolt, or approved equal. Sleeve anchors to be Hilti HLC Sleeve Anchor or ITW Redhead Dynabolt.
   b. Epoxy or chemical adhesive shall be Ramset Epcon A7 or C6; Hilti HY 150; or Simpson SET Epoxy-TIE.
   c. Anchors labeled as LDT anchors are to be hot-dip galvanized anchors with cutting threads such as Ramset/Redhead LDT; Simpson Titen HD; or Powers Wedge.

04300 MASONRY:

1. Masonry work and materials shall comply with ACI 530. All CMU shall conform to ASTM C90, ASA A79.1 for light weight block. Mortar shall conform with ASTM C270, Type S. Masonry cement and Type N mortar are not allowed.
2. The minimum compressive strength of the system, F'm, shall be 2000 psi.
3. CMU to be laid in running bond.
4. Lap reinforcing at corners or bond beams.
5. As a minimum, provide (1) #5 vertical bar at 24" o.c. and 9 gage ladder type joint reinforcing at 8" o.c. Joint reinforcing to have prefabricated tees and corners. Fill all cells containing reinforcing with 3000 psi reinforced masonry grout meeting ASTM C476. Grout lifts are not to exceed 56". Provide joint reinforcing at 8" o.c. in all CMU below grade. Fill all cells below grade.
6. Provide masonry lintels or steel lintels at all openings. Galvanize steel lintels with G60 finish.

05120 STRUCTURAL STEEL:

1. Design, fabrication and erection of all structural steel shall be in accordance with the current edition of AISC Manual of Steel Construction, ASD.
2. Minimum material specifications:
   a. Hollow Structural Sections: ASTM A500 gr. B
   b. Plates: ASTM A36
3. Provide 2 mils DFT of rust inhibitive primer after power tool cleaning.

05400 LIGHT GAGE METAL FRAMING:

1. All structural members shall be designed in accordance with American Iron and Steel Institute (AISI) "Specification for the Design of Cold-Formed Steel Structural Members." Members shall conform to ASTM A-653-SQ Grade 33 (UNO or required by design). The members shall meet the minimum physical properties for the sizes and gages shown in the Clark Steel Framing Manual.
2. **All members and connections shall be designed by the vendor using the loads shown on the drawings and in the design criteria. Shop drawings prepared by the Vendor shall be submitted. All connections, headers, and other components shall be designed by the Vendor's engineer and calculations shall be submitted with the shop drawings. The sizes shown on the drawings are for preliminary pricing only. The Vendor is responsible for preliminary design for final pricing.**
3. Deflection Criteria for wall framing to be L/600 for 75% of the Components and Cladding loads of the ASCE 7.
4. Exterior or load bearing stud walls shall have horizontal bridging at 4'-0" centers (vertical spacing). The vendor design shall not rely on connections of sheathing material unless specifically approved by Palmetto Structural Engineering, LLC.

06100 ROUGH CARPENTRY

1. Laminated Veneer Lumber (LVL) shall meet or exceed the following properties:
   a. Modulus of Elasticity, E: 2,000,000 psi
   b. Bending Stress, Fb; 2,900 psi
   c. Horizontal Shear, Fv: 285 psi
   d. Compression Parallel, Fc: 2,750 psi.
   e. Multi-member headers shall be connected together with (4) 16d nails at 12" o.c.
2. Bolts shall conform to ASTM A307. Steel connection plates shall conform to ASTM A36.
3. Nail shank sizes and lengths are as specified for the penny weights on the drawings:
   a. 6d 0.113" diameter, 2" long
   b. 8d 0.131" diameter, 2.5" long
   c. 10d 0.148" diameter, 3" long
   d. 16d 0162" diameter, 3.5" long
4. CONNECTORS FOR TREATED LUMBER
   a. Any connectors (hangers, straps, nails, bolts, etc) in contact with treated lumber must be hot-dip galvanized (G90).
5. ROOF CONSTRUCTION
   a. Roof to be sheathed with 5/8" 20/40 rated sheathing, grade C-D, Exposure 1 nailed to trusses and rafters with 10d ring shank nails at 4" o.c. at panel edges and 6" o.c. elsewhere. Provide plywood clips at each rafter or truss space.
   b. Rafters to be Yellow Pine #2 or better.
   c. Provide blocking between rafters or between trusses at all valleys and ridges. Nail sheathing to blocking at 4" o.c.
   d. At hipped ends where trusses are dropped 1-9/16" for 2x4 purlins, the purlins must be attached to the top chord of the dropped trusses with Simpson H2.5 anchors.
   e. Attachment of Piggy back trusses to base trusses must be clearly shown on truss erection drawings.
   f. Metal Plate Connected Wood Trusses
      i. Design by fabricator shall be in accordance with the applicable provisions of the latest edition of the American Forest & Paper Association's (AF&PA's) *National Design Specification® (NDS®) for Wood Construction*, ANSI/TPI 1, and all applicable legal requirements. Truss Manufacturer shall furnish Truss Design Drawings and a Truss Placement Plan. See the roof framing plan and design criteria for design loads. Deflection criteria of L/360 (LL) and L/240 (total) shall be calculated with pin/roller support conditions and one end moving laterally 1" max.
      ii. If needed, trusses shall be supplied with bearing enhancing hardware to distribute support reactions to supporting wall plates such that bearing pressure does not exceed 425 psi.
      iii. Lumber shall be Yellow Pine #2 or better for chords and webs. Lumber shall have moisture content of no less than 7% at time of manufacturing. Adjustment factors shall be in accordance with NDS
      iv. Metal connector plates shall be manufactured by a Wood Truss Council of America ("WTCA") member plate manufacturer and shall not be less than 0.036 inches in thickness (20 gauge) and shall meet or exceed ASTM A653/A653M grade 33, and galvanized coating shall meet or exceed ASTM A924/924M, coating designation G60. Working stresses in steel are to be applied to effectiveness ratios for plates as determined by test and in accordance with ANSI/TPI 1.
      v. Trusses shall be handled during manufacturing, delivery and by the Contractor at the job site so as not to be subjected to excessive bending. Unload trusses in a manner to minimize lateral strain.
      vi. Contractor shall be responsible for the handling, installation, and temporary bracing of the Trusses in a good workmanlike manner and in accordance with the recommendations set forth in WTCA/TPI's *Building Component Safety Information BCSI 1-03: Guide to Good Practice For Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.*
      vii. Cutting and altering of Trusses is not permitted. If any Truss should become broken, damaged, or altered, written concurrence and approval by a licensed design professional is required.
      viii. Trusses shall be permanently braced in a manner consistent with good building practices and in accordance with sections in the drawings. Trusses shall furthermore be anchored or restrained to prevent out-of-plane movement so as to keep all Truss members from simultaneously buckling together in the same direction. Such permanent lateral bracing shall be accomplished by: (a) anchorage to solid end walls; (b) permanent diagonal bracing in the plane of the web members; or (c) other suitable means. Materials for temporary and permanent bracing shall be by the contractor.
      ix. Full depth blocking or x-bridging is required over all exterior walls where heel height exceed 10". Nail blocking to top plates and top chord of truss.
      x. All specified uplift connection hardware capacities shall be reviewed by the contractor using the final truss shop drawings and calculations. The uplift capacity shall exceed the uplift given on the shop drawings.
6. FLOOR CONSTRUCTION
   a. Subfloor to be ¾" (nominal) tongue and groove 48/24 rated sheathing (APA Rated Sturd-I-Floor); exposure 1. Glue and nail to supports with 10d ring shank nails at 6" o.c. at edges and 12" o.c elsewhere.

Structural Design Criteria

Structure Type
Wood truss roof system bearing on light gage metal studs supported on reinforced CMU foundation walls tat bear on continuous concrete wall footings.

Building Code
2021 International Building Code

Building Use
Risk Category 3

Vertical Loads

Dead Load at Roof	20 psf
Live Loads at Roof	
Occupancy (Reducible for Slope, Area)	20 psf
Snow Loads	
Ground Snow Load	10 psf

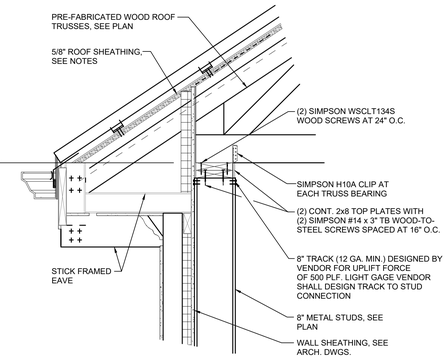
Lateral Loads

Wind Loads	
Velocity (3-Second Gust), Vultimate	140 mph
Exposure	C
Seismic Loads	
USGS Mapped 1 second	
Spectral Response, S_1	14.1%g
USGS Mapped short term	
Spectral Response, S_s	41.9%g
Site Class	D
Design Category	D
Analysis Type	ELF
Base Shear	25k

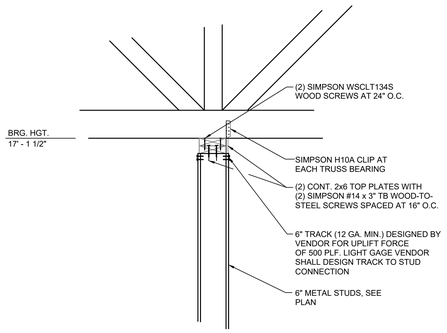
Brick Lintel Schedule

OPENING WIDTH	LINTEL ANGLE	MINIMUM BEARING
UP TO 4'-8"	L4x4x1/4	6"
4'-9" TO 7'-4"	L6x4x5/16	8"
7'-5" TO 9'-4"	L7x4x3/8	8"

1. LINTELS TO BE HOT-DIP GALVANIZED.
2. LINTELS TO SUPPORT RUNNING BOND MASONRY ONLY.
3. LINTELS FOR ALL ARCHED OPENINGS SHALL BE ROLLED (SEE ARCH. DWGS. FOR RADIUS). THE LINTEL SHALL TRANSITION TO VERTICAL AT THE END OF THE RADIUS & EXTEND DOWN TO THE JOINT BELOW WHERE IT SHALL TRANSITION TO HORIZONTAL FOR THE MIN. BEARING SHOWN ABOVE



1 S100 SECTION
1" = 1'-0"



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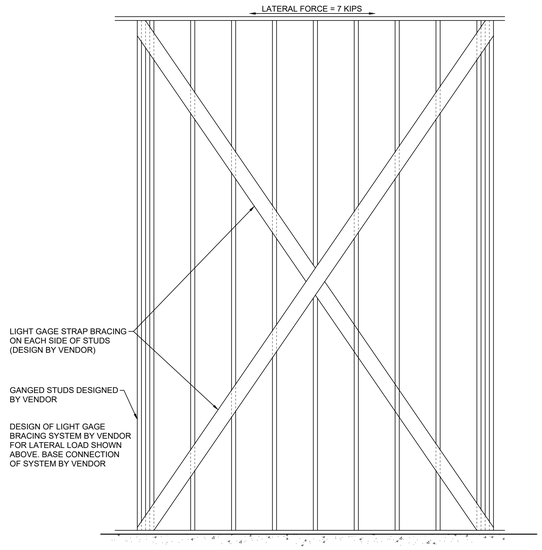

A S100 LIGHT GAGE STRAP BRACING ELEVATION
N.T.S.

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GENERAL NOTES, SECTIONS & DETAILS

S100

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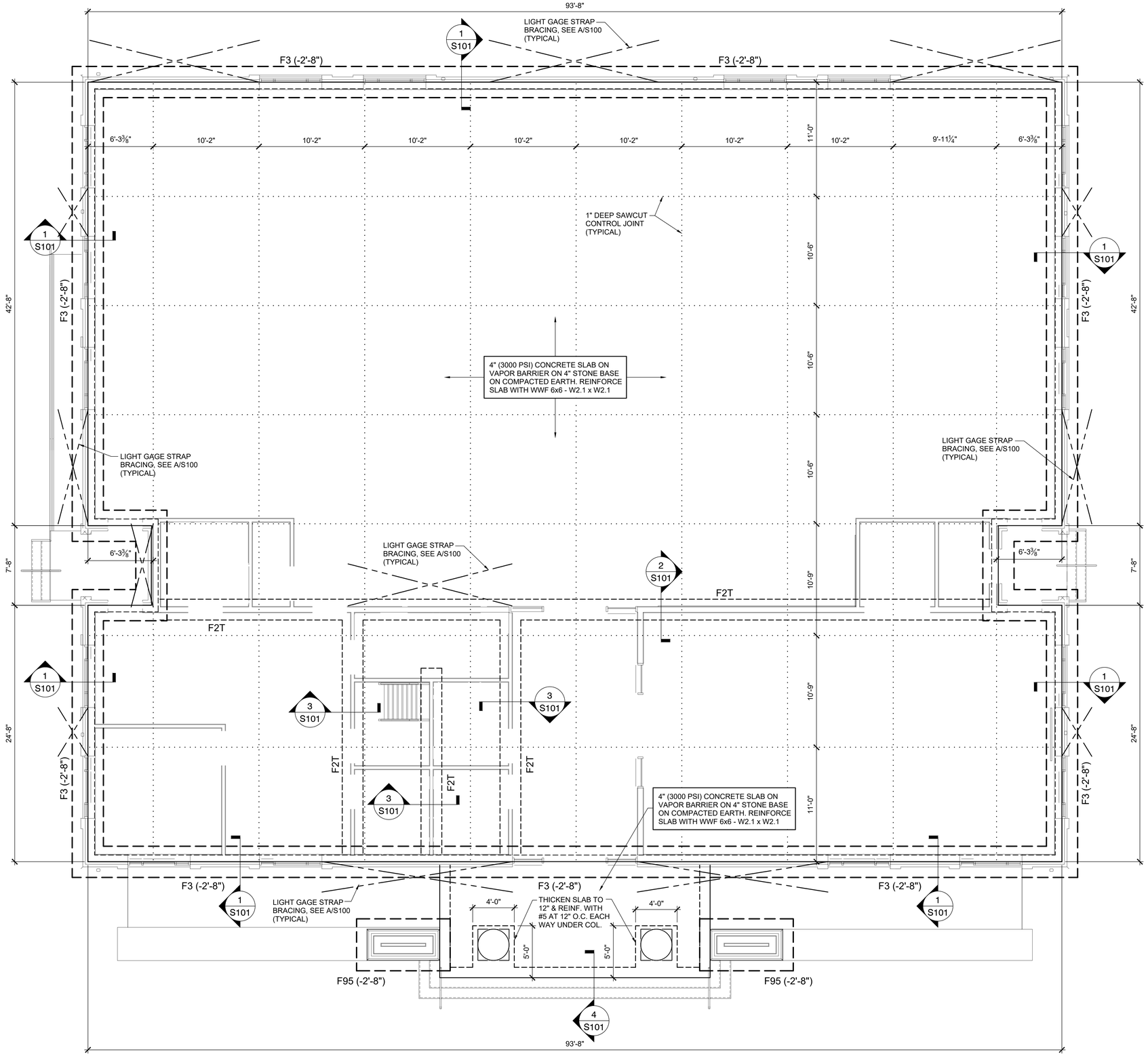
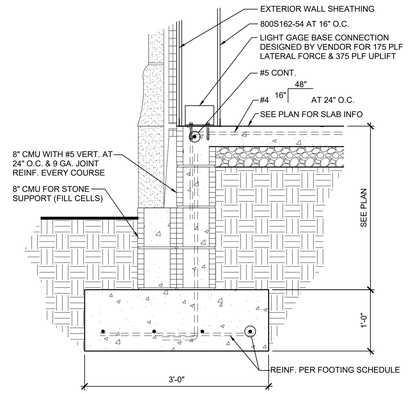


A S101 FOUNDATION / SLAB PLAN
1/4" = 1'-0"

Foundation Schedule			
TYPE	WIDTH X LENGTH	THICKNESS	REINFORCING
F3	3'-0" x CONT.	12"	(4) #5 CONT. & #4 x 1'-6" AT 24" O.C.
F2T	2'-0" x CONT.	12" THKD SLAB	(2) #5 CONT.
F95	9'-0" x 5'-0"	16"	TOP & BOTTOM MAT OF #5 AT 12" O.C. EA WAY



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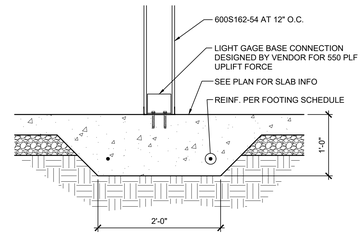
1" = 1'-0"



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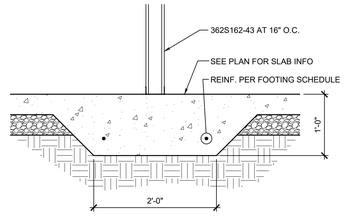
1" = 1'-0"



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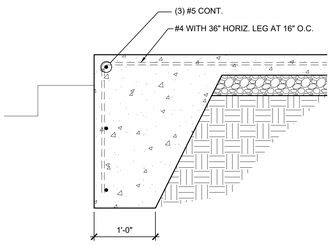

4 S101 SECTION
1" = 1'-0"

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FOUNDATION / SLAB PLAN

S101

PRE-FABRICATED WOOD ROOF TRUSSES
AT 2'-0" O.C. DESIGNED BY THE FABRICATOR
FOR THE FOLLOWING LOADS:
TOP CHORD DEAD LOAD = 15 PSF
TOP CHORD LIVE LOAD = 20 PSF
TOP CHORD WIND UPLIFT = 20 PSF
BOTTOM CHORD DEAD LOAD = 5 PSF.
INSTALL SIMPSON H10A AT EACH BEARING LOCATION

SIMPSON H10A EACH SIDE OF WALL AT GIRDER TRUSS BEARING (TYPICAL)

TYPICAL BEAM HEADER FOR OPENING UP TO 6'-6" (U.N.O.): (3) 800S200-54 WITH (2) JACK JACK STUDS & (3) KING STUDS

1 S100

GIRDER TRUSS

BOX BEAM HEADER: (3) 800S200-68 WITH (2) JACK STUDS & (3) KING STUDS

BOX BEAM HEADER: (3) 1000S200-54 WITH (2) JACK STUDS & (3) KING STUDS

TYPICAL BEAM HEADER FOR OPENING UP TO 6'-6" (U.N.O.): (3) 800S200-54 WITH (2) JACK JACK STUDS & (3) KING STUDS

BOX BEAM HEADER: (2) 1000S200-68 WITH (3) JACK STUDS & (1) KING STUD

2 S100

BEAR ON (3) JACK STUDS WITH (2) KING STUDS AT EACH END

HSS10x6x1/4

MECHANICAL MEZZ. BELOW (SEE B/S-102)

VALLEY SETS AT 2'-0" O.C. (TYPICAL)

BOX BEAM HEADER: (3) 1000S200-54 WITH (3) JACK STUDS & (3) KING STUD

600S162-43 CEILING JOISTS AT 16" O.C.

(4) 18" LVL

COLUMN ELEMENT TO BE FRAMED WITH 600S200-54 AT 12" O.C.

BEAR LVL ON (4) 600S200-54 JACK STUDS WITH DOUBLE WOOD PLATE

A S102 ROOF FRAMING PLAN
1/4" = 1'-0"

3/4" SUBFLOOR, SEE NOTES

800S162-43 JOISTS AT 19.2" O.C. (TYPICAL)

BOX BEAM HEADER AT OPNG. UNDER MEZZANINE: (2) 800S162-43 WITH (2) JACK STUDS & (1) KING STUD

MEZZANINE DESIGN LIVE LOAD = 50 PSF

B S102 MEZZANINE FRAMING PLAN
1/4" = 1'-0"

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MEZZANINE & ROOF FRAMING PLAN

S102

F E D C B A

7 6 5 4 3 2 1

SPLIT SYSTEM HEAT PUMP SCHEDULE

EQUIPMENT TAG	MANUF.	AIR HANDLER MODEL	REFRIG. TYPE	AIR HANDLER											OUTDOOR UNIT									
				COOLING		HEATING		SUPPLY FAN			ELECTRICAL			OPER. WT (LBS)	ACCESSORIES REQUIRED	EQUIPMENT TAG	MODEL NUMBER	MANUF.	NOMINAL CAPACITY (TONS)	SEER/EER	POWER SUPPLY			OPER. WT (LBS)	ACCESSORIES REQUIRED
				COIL CAPICITY @ 95°F		HEAT PUMP @ 47° OA TEMP (MBH)	SUPPLEMENTAL HEAT (KW)	AIR FLOW (CFM)	MIN. OUTSIDE AIR (CFM)	EXT. SP (IWG)	FAN MOTOR (HP)	V/PH/HZ	MCA	MOCP								ELECT. CHAR. (V/PH/HZ)	MIN CIR. AMPACITY	MOCP		
				TOTAL (MBH)	SENS. (MBH)																				
AHU-1	TRANE	5TEM6D05AV41	454b	35.6	24.3	33.0	7.2	1,400	120	0.60	1/2	208/3/60	30	30	140	1-9	HP-1	5TWA4042	TRANE	3.5	14.0 SEER	208/3/60	18.1	30	250	1,2,3
AHU-2	TRANE	5TAMXDO7AV51	454b	53.0	37.0	52.0	10.8	1,800	225	0.60	3/4	208/3/60	45	45	180	1-10	HP-2	5TWR7060	TRANE	5.0	14.0 SEER	208/1/60	39	60	240	1,2,3,4
AHU-3	TRANE	5TEM6D07AV51	454b	58.0	43.0	59.0	10.8	2,000	250	0.60	3/4	208/3/60	45	45	185	1-9	HP-3	5TWA4060	TRANE	5.0	14.0 SEER	208/3/60	22.8	35	250	1,2,3
AHU-4	TRANE	5TEM6D07AV51	454b	58.0	43.0	59.0	10.8	2,000	250	0.60	3/4	208/3/60	45	45	185	1-9	HP-4	4TWR4030	TRANE	5.0	14.0 SEER	208/3/60	22.8	35	250	1,2,3

NOTE: COOLING CAPACITIES ARE BASED ON 80/67 COIL ENTERING AIR CONDITIONS.

EQUAL PRODUCTS BY: DAIKIN, CARRIER, YORK.

ACCESSORIES (AIR HANDLER):

1. REFIGERANT PIPING AND SPECIALTIES SHALL BE SIZED BY MANUFACTURER.
2. EC MOTOR.
3. FACTORY FILTER RACK. INSTALL CLEAN FILTERS PRIOR TO AIR BALANCING.
4. SINGLE POINT POWER CONNECTION.
5. INSTALL FLOAT SWITCH AT CONDENSATE OVERFLOW CONNECTION. WIRE SWITCH FOR UNIT SHUTDOWN.
6. VIBRATION ISOLATORS
7. FLEX DUCT CONNECTIONS.
8. BI-POLAR IONIZATION UNIT, ACTIVE AIR SOLUTIONS MODEL DM-2400.
9. TOUCH SCREEN PROGRAMMABLE THERMOSTAT WITH WI-FI.
10. VARIABLE SPEED/TWO SPEED FAN FOR TWO STAGE CONTROL.

ACCESSORIES (OUTDOOR UNIT):

1. LOW AMBIENT CONTROL TO 30° F.
2. ANTI-SHORT CYCLE TIMER
3. CRANKCASE HEATER.
4. TWO SPEED OR VARIABLE SPEED COMPRESSOR FOR TWO STAGE CONTROL.

DUCTLESS SPLIT SYSTEM COOLING UNIT SCHEDULE

EQUIPMENT TAG	AREA SERVED	MANUF.	MODEL	REFRIG. TYPE	INDOOR UNIT								OUTDOOR UNIT									NOTES AND ACCESSORIES
					COOLING COIL CAPACITY @ 95°F OUTDOOR TEMPERATURE		HEATING	SUPPLY FAN	ELECTRICAL			OPER. WT (LBS)	EQUIPMENT TAG	MANUFACTURER	MODEL	NOMINAL CAPACITY (TONS)	SEER	POWER SUPPLY			OPER. WT. (LBS)	
					TOTAL (MBH)	SENS. (MBH)	HEAT PUMP @ 47° OA TEMP (MBH)	AIR FLOW (CFM)	V/PH/HZ	MCA	MOCP							ELECT. CHAR. (V/PH/HZ)	MIN CIR. AMPACITY	MOCP		
IU-1	ELECTRICAL RM.	MITSUBISHI	PKA-AK12NL	454b	12.0	9.0	N/A	320	208/1/60	1	SEE NOTE 5	29	CU-1	MITSUBISHI	PUY-AL12NL	1.0	21.0	208/1/60	16.0	20	100	1 THRU 5

EQUAL PRODUCTS BY: SAMSUNG, DAIKIN, LG, TRANE

NOTES & ACCESSORIES:

1. REFIGERANT PIPING AND SPECIALTIES SHALL BE SIZED BY MANUFACTURER.
2. PROGRAMMABLE HARDWIRED WALL MOUNTED CONTROLLER WITH TEMPERATURE SENSOR.
3. BUILT-IN CONDENSATE PUMP.
4. COOLING CAPABILITY DOWN TO 0° OA TEMPERATURE. PROVIDE WIND BAFFLE.
5. POWER FOR INDOOR UNIT FED FROM OUTDOOR UNIT.

ELECTRIC HEATER SCHEDULE

EQUIPMENT TAG	MANUFACTURER	MODEL	KW	ELECTRICAL (V/PH/HZ)	ACCESSORIES
EH-1	RAYWALL	AFA230D	2.25	208/1/60	1,2,3

EQUAL PRODUCTS BY MARKEL & Q-MARK.

ACCESSORIES:

1. RECESS MOUNTED
2. TAMPER-PROOF THERMOSTAT
3. FACTORY DISCONNECT

EXHAUST FAN SCHEDULE

EQUIPMENT TAG	MANUFACTURER	MODEL	AIRFLOW	E.S.P. (IN. WC)	FAN RPM	DRIVE	MOTOR WATTS OR HP	SONES	ELECTRICAL (V/PH/HZ)	ACCESSORIES
EF-1	PENN-BARRY	SP-AP0511W	75	0.40	817	DIRECT	50 W	1.5	115/1/60	1,2,3,4,5
EF-2	PENN-BARRY	SP-AP0511W	75	0.40	817	DIRECT	50 W	1.5	115/1/60	1,2,3,4,5
EF-3	PENN-BARRY	SP-AP0511W	75	0.40	817	DIRECT	50 W	1.5	115/1/60	1,2,3,4,5
EF-4	PENN-BARRY	SP-AP0511W	75	0.40	817	DIRECT	50 W	1.5	115/1/60	1,2,3,4,5
EF-5	PENN-BARRY	SP-AP0511W	75	0.25	817	DIRECT	50 W	1.0	115/1/60	1,2,3,4,5

EQUAL PRODUCTS BY GREENHECK, COOK, TWIN CITY

ACCESSORIES:

1. BACKDRAFT DAMPER
2. EC MOTOR WITH ONBOARD SPEED CONTROLLER.
3. FACTORY DISCONNECT
4. CEILING MOUNTED WITH GRILLE
5. INSULATED CABINET

AIR DISTRIBUTION SCHEDULE

MARK	TYPE	CONNECTION SIZE	FACE SIZE	MANUF.	MODEL	ACCESSORIES
SA	SUPPLY 4-WAY	6"Ø/6"x6"	12"X12"	TITUS	TDC	1,3
SB	SUPPLY 4-WAY	8"Ø/9"x9"	24"X24"	TITUS	TDC	2,3
SC	SUPPLY 4-WAY	10"Ø/12"x12"	24"X24"	TITUS	TDC	2,3
RA	RETURN	22"x22"	24"X24" FULLY LOUVERED	TITUS	350R	2,3,4
RB	RETURN	28"x28"	30"X30" FULLY LOUVERED	TITUS	350R	1,3,5

EQUAL PRODUCTS BY: PRICE, METALAIRE, KRUEGER, NAILOR

ALL PRODUCTS SHALL BE WHITE COLOR UNLESS NOTED OTHERWISE.

ACCESSORIES:

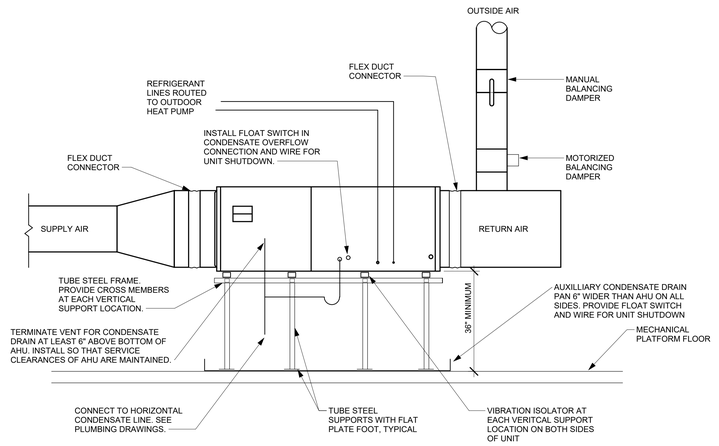
1. SURFACE MOUNT.
2. LAY-IN CEILING.
3. ALUMINUM CONSTRUCTION.
4. 3" DEEP PLENUM.
5. 12" DEEP PLENUM.

HVAC INSULATION SCHEDULE

SERVICE	SERVICE TYPE	INSULATION MATERIAL	THICKNESS (INSTALLED) INCHES	FACTORY APPLIED JACKET	FIELD APPLIED JACKET	
					TYPE	MANUFACTURER AND MODEL
DUCT	SUPPLY AIR, CONCEALED, INTERIOR	MINERAL FIBER BLANKET	2.0	FSK	NONE	---
	SUPPLY AIR, EXTERIOR	POLYSTYRENE OR POLYISOCYANURATE	2.0	NONE	ALUMINUM	FLEXCLAD 400*
	RETURN AIR, CONCEALED, INTERIOR	MINERAL FIBER BLANKET	2.0	FSK	NONE	---
	RETURN AIR, EXTERIOR	POLYSTYRENE OR POLYISOCYANURATE	2.0	NONE	ALUMINUM	FLEXCLAD 400*
	OUTSIDE AIR, CONCEALED, INTERIOR	MINERAL FIBER BLANKET	2.0	FSK	NONE	---
	EXHAUST AIR, CONCEALED, INTERIOR	MINERAL FIBER BLANKET	2.0	FSK	NONE	---
PIPE	REFRIGERANT SUCTION, INTERIOR	FLEXIBLE ELASTOMERIC	1.0	NONE	NONE	---
	REFRIGERANT SUCTION, EXTERIOR	FLEXIBLE ELASTOMERIC	1.0	NONE	ALUMINUM 0.016"	CHILDERS/ITW
	CONDENSAT DRAIN, INTERIOR	FLEXIBLE ELASTOMERIC	1/2	NONE	NONE	---

REFER TO THE SPECIFICATIONS FOR ALL MATERIAL AND INSTALLATION REQUIREMENTS.

* OR EQUAL PRODUCT BY "ALUMAGUARD".



2 Split System Heat Pump - Horizontal
No Scale

CRAIG GAULDEN DAVIS PBK

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SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 16685 SAMUEL C. STEPHENS 8-29-25

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CONSULTANT

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HVAC SCHEDULES

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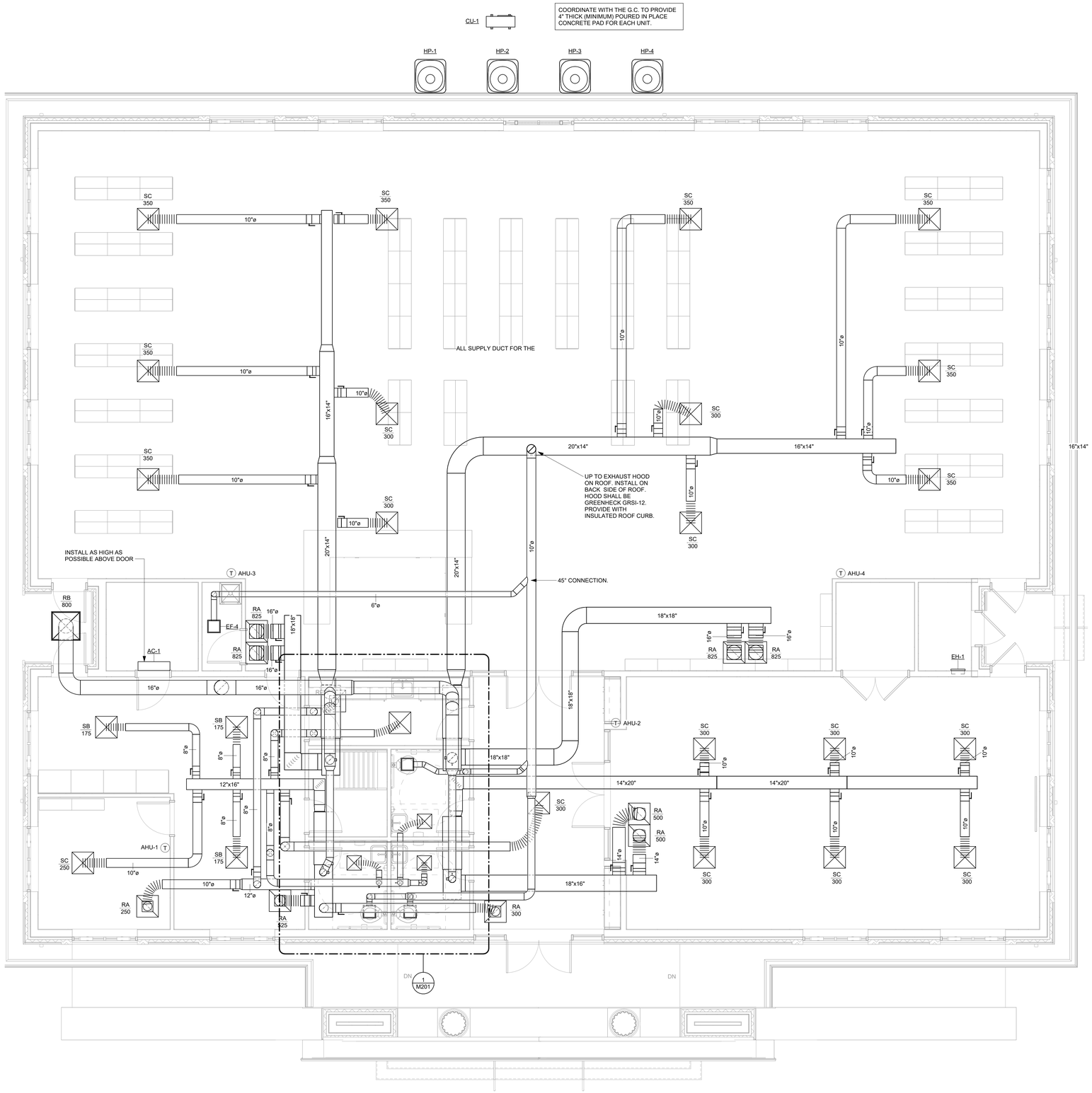


1 HVAC Plan
1/4" = 1'-0"

HVAC LEGEND

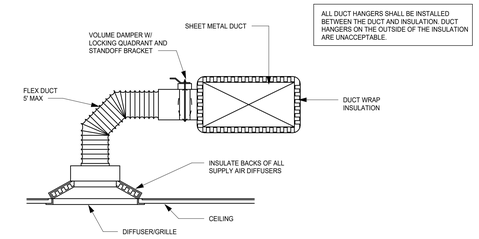
SA ◄ MARK / 200 ◄ AIRFLOW	DIFFUSER/GRILLE TAG
	SUPPLY DIFFUSER
	RETURN GRILLE
	EXHAUST GRILLE
	MANUAL BALANCING DAMPER
	FLEX DUCT
T	THERMOSTAT
H	HUMIDITY SENSOR

GENERAL NOTES:

1. ALL WORK SHALL BE PER THE INTERNATIONAL MECHANICAL CODE (2021).
2. ALL WORK SHALL BE COORDINATED WITH THE GC AND WITH ALL OTHER TRADES.
3. COORDINATE EXACT THERMOSTAT LOCATIONS WITH OWNER AND GC.
4. PROVIDE CLEAN FILTERS PRIOR TO AIR BALANCING.
5. NO DUCT, PIPING, EQUIPMENT OR ANY OTHER MATERIAL SHALL BE PROCURED OR DELIVERED TO THE JOBSITE PRIOR TO BEING FULLY COORDINATED WITH JOBSITE CONDITIONS, THE GC AND ALL OTHER TRADES.
6. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC.

DUCT NOTES:

1. DIFFUSER AND GRILLE LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLAN.
2. ALL SUPPLY BRANCH DUCT RUNOUTS TO DIFFUSERS/GRILLES SHALL BE MADE WITH EITHER 45° FITTINGS OR BELLMOUTH FITTINGS.
3. INSTALL BALANCING DAMPERS IN ALL RUNOUTS TO DIFFUSERS AND GRILLES.
4. ALL DUCT ELBOWS SHALL BE CURVED TYPE (CURVED THROAT AND HEEL) EXCEPT WHERE SHOWN TO BE SQUARE/RECTANGULAR.
5. ALL RECTANGULARE/SQUARE ELBOWS SHALL HAVE TURNING VANES.
6. CONNECTIONS TO CEILING MOUNTED SUPPLY DIFFUSERS AND RETURN GRILLES SHALL BE MADE WITH PREINSULATED FLEXIBLE ROUND DUCT. DUCT SHALL HAVE A MAXIMUM LENGHT OF 5'. FLEXIBLE DUCT SHALL MEET UL 181, CLASS 1.
7. ALL DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.
8. FOR CONCEALED DUCTS, ALL DUCT JOINTS (LONGINTUDINAL AND TRANSVERSE) SHALL BE SEALED. REFER TO SPECIFICATIONS.
9. REFER TO SPECIFICATIONS FOR ALL OTHER DUCT REQUIREMENTS.



2 Diffuser/Grille Detail
1/8" = 1'-0"

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SOUTH CAROLINA REGISTERED ARCHITECT SMC NO. 16685 8-29-25 SUMMER C. STEPHENS

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HVAC PLAN

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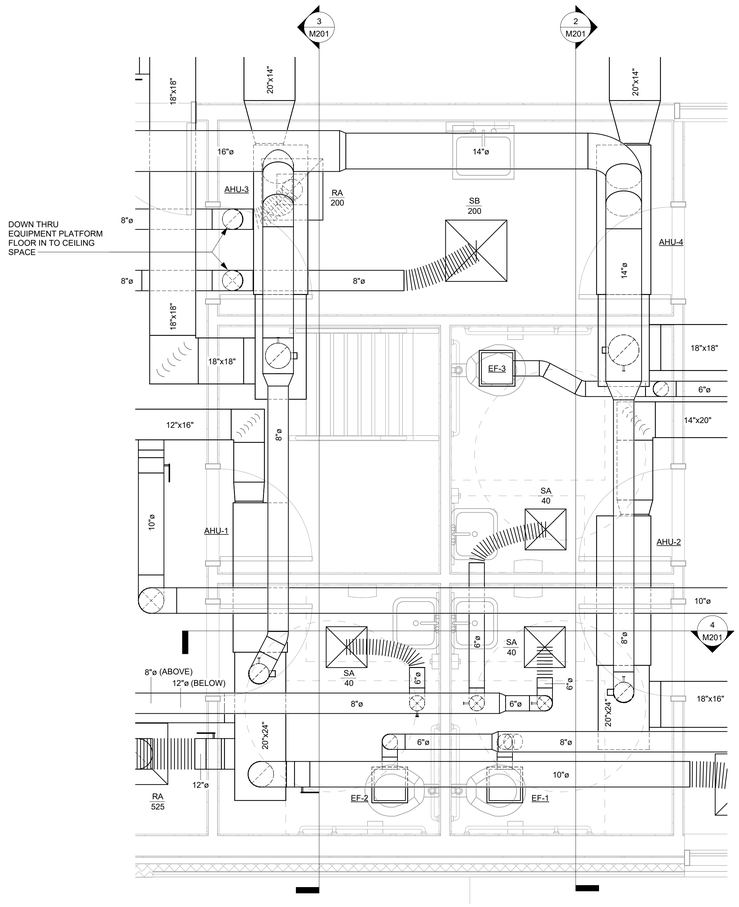
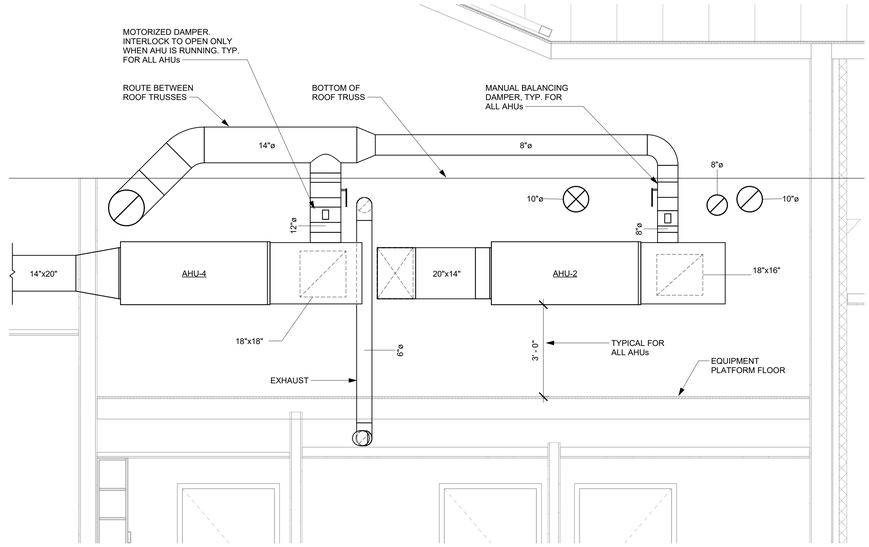
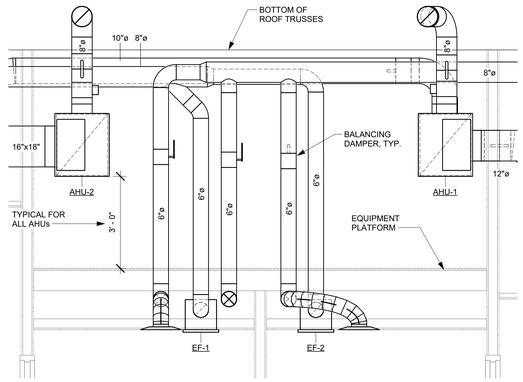


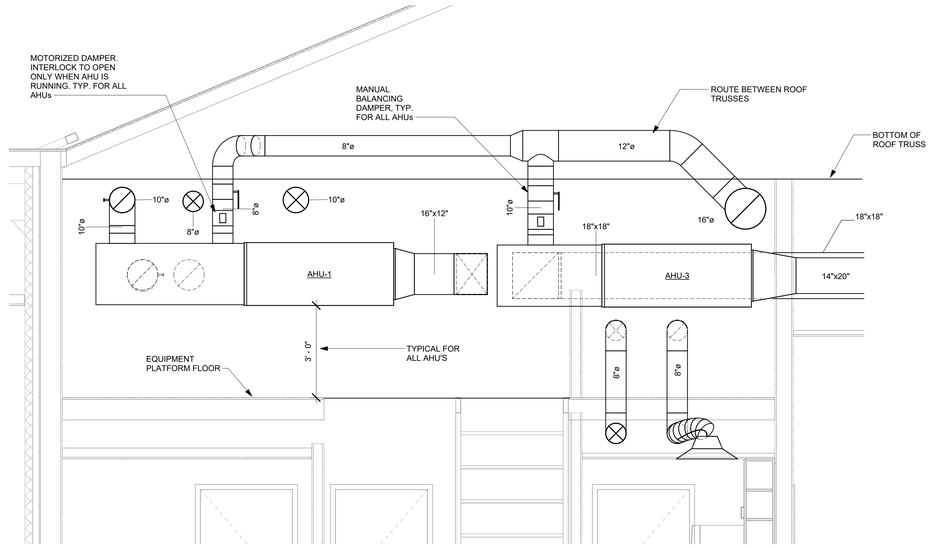
1 Equipment Platform HVAC Plan
1/2" = 1'-0"



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



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



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

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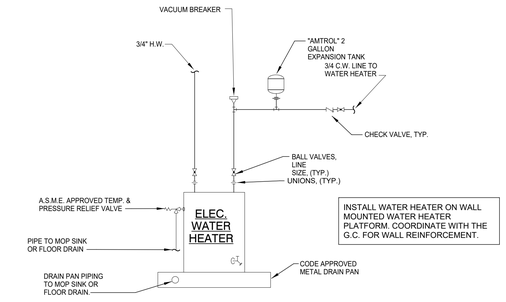
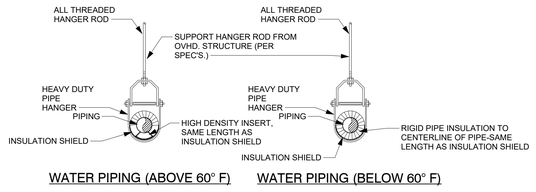
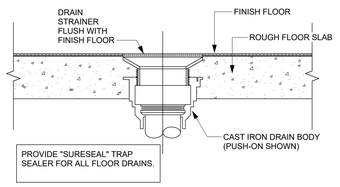


1 Electric Water Heater
N.T.S

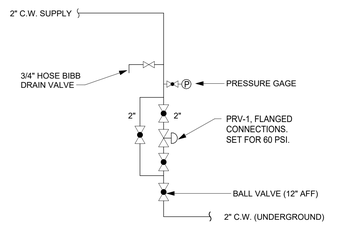


WATER PIPING (ABOVE 60° F) WATER PIPING (BELOW 60° F)

2 Pipe Hanger Detail
N.T.S



3 Floor Drain Detail
N.T.S



5 Domestic Water Entrance Piping Detail
N.T.S.

PLUMBING FIXTURE SCHEDULE

ITEM	DESCRIPTION	FIXTURE	WASTE	VENT	HOT SUPPLY	COLD SUPPLY
WC-2	AMERICAN STANDARD MADERIA 3461.001, 16-1/2" RIM HEIGHT, ELONGATED, VETREOUS CHINA, WHITE, SIGHON JET, 1.6 GPF. PROVIDE SLOAN ROYAL FLUSH VALVE. PROVIDE WITH FLUSH LEVER ON WIDE SIDE OF ADA ROOM/STALL. PROVIDE BEMIS 3155SSCT OPEN FRONT SEAT. COORDINATE ROUGH-IN HEIGHT OF FLUSH VALVE WITH THE G.C. BASED ON THE GRAB BAR HEIGHT.	FLOOR MOUNTED FLUSH TANK WATER CLOSET (ADA)	3	2	-	1
LAV-1	AMERICAN STANDARD LUCERNE WALL MOUNTED LAVATORY. PROVIDE FLOOR MOUNTED FIXTURE CARRIER. PROVIDE DELTA 501-HDF FAUCET. PROVIDE WITH THERMOSTATIC MIXING VALVE BELOW COUNTER. PROVIDE GRID STRAINER, P-TRAP, CHROME PLATED ANGLE VALVES, ESCUTCHEONS.	WALL MOUNTED LAVATORY (ADA)	2	2	1/2	1/2
SK-1	ELKAY LRAD-2219 SINGLE COMPARTMENT STAINLKESS STEEL SINK, 304 STAINLESS STEEL, 18 GA., 6-1/2" BOWL DEPTH. DRAIN OPENING AT REAR CENTER OF BOWL. PROVIDE BASKET STRAINERS. PROVIDE T&S BRASS B-2867-D4 FAUCET. PROVIDE CHROME PLATED P-TRAP. AND CHROME PLATED ANGLE VALVES.	SINGLE COMPARTMENT SINK	2	2	1/2	1/2
JS-1	FLORESTONE MODEL 91, 24"x24"x12", TERRAZZO MOP RECEPTOR, WITH DROP FRONT, STAINLESS STEEL CAP ON DROP FRONT, INTEGRAL CAST BRASS 3" DRAIN. PROVIDE MR-370 HOSE CLAMP, MR-371 FAUCET, AND MR-372 MOP HANGER.	MOP SINK	3	2	1/2	1/2
WH-1	10 GALLON COMMERCIAL GRADE ELECTRIC WATER HEATER (STATE, RHEEM, BRADFORD WHITE, AO SMITH). 3.0 KW, 208 VOLTS, 1-PHASE.	ELECTRIC WATER HEATER	-	-	3/4	3/4
BFP-1	WATTS MODEL LF007 DOUBLE CHECK BACKFLOW PREVENTER WITH INLET STRAINER.	BACKFLOW PREVENTER	-	-	-	2"
WHD-1	WOODFORD MODEL B67 AUTOMATIC DRAINING FREEZE-LESS WALL HYDRANT WITH 3/4" HOSE CONNECTION AND BACKFLOW PREVENTER. LOOSE TEE KEY OPERATION. PROVIDE WITH CHROME BOX AND DOOR.	FREEZE-PROOF WALL HYDRANT	-	-	-	3/4
FD-1	FLOOR DRAIN - ZURN MODEL ZN-415, WITH 8" ROUND SATIN BRONZE TOP, ADJUSTABLE CAST IRON HOUSING, OUTLET CONNECTION TO MATCH PIPING. PROVIDE CLAMPING FLANGE FOR FLOORS HAVING A WATERPROOF MEMBRANE. SIZE AS INDICATED ON DRAWINGS.	FLOOR CLEAN OUT	SEE PLAN	-	-	-
WCO	WALL CLEANOUT-ZURN MODEL Z-1441-A-BP WITH BRASS PLUG AND STAINLESS STEEL COVER.	WALL CELANOUT	SEE PLAN	-	-	-
FCO	FLOOR CLEANOUT - ZURN MODEL ZN-1400, WITH SATIN BRONZE TOP, ADJUSTABLE CAST IRON HOUSING, PVC TAPERED PLUG AND OUTLET CONNECTION TO MATCH PIPING. PROVIDE CLAMPING FLANGE FOR FLOORS HAVING A WATERPROOF MEMBRANE.	WALL CELANOUT	SEE PLAN	-	-	-
IMB-1	20 GA. (MINIMUM) STEEL WITH WHITE PAINT. PROVIDE WITH QUATER TURN BALL VALVE.	ICE MAKER BOX	-	-	-	1/2

GENERAL PLUMBING FIXTURE NOTES: (THESE NOTES APPLY TO ALL APPLICABLE PLUMBING FIXTURES)

1. WATER SUPPLY PIPING FROM ANGLE VALVES TO FLUSH TANK TOILETS, LAVATORIES, SINKS AND DRINKING FOUNTAINS SHALL BE BRAIDED STAINLESS STEEL

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PLUMBING FIXTURE SCHEDULE AND NOTES

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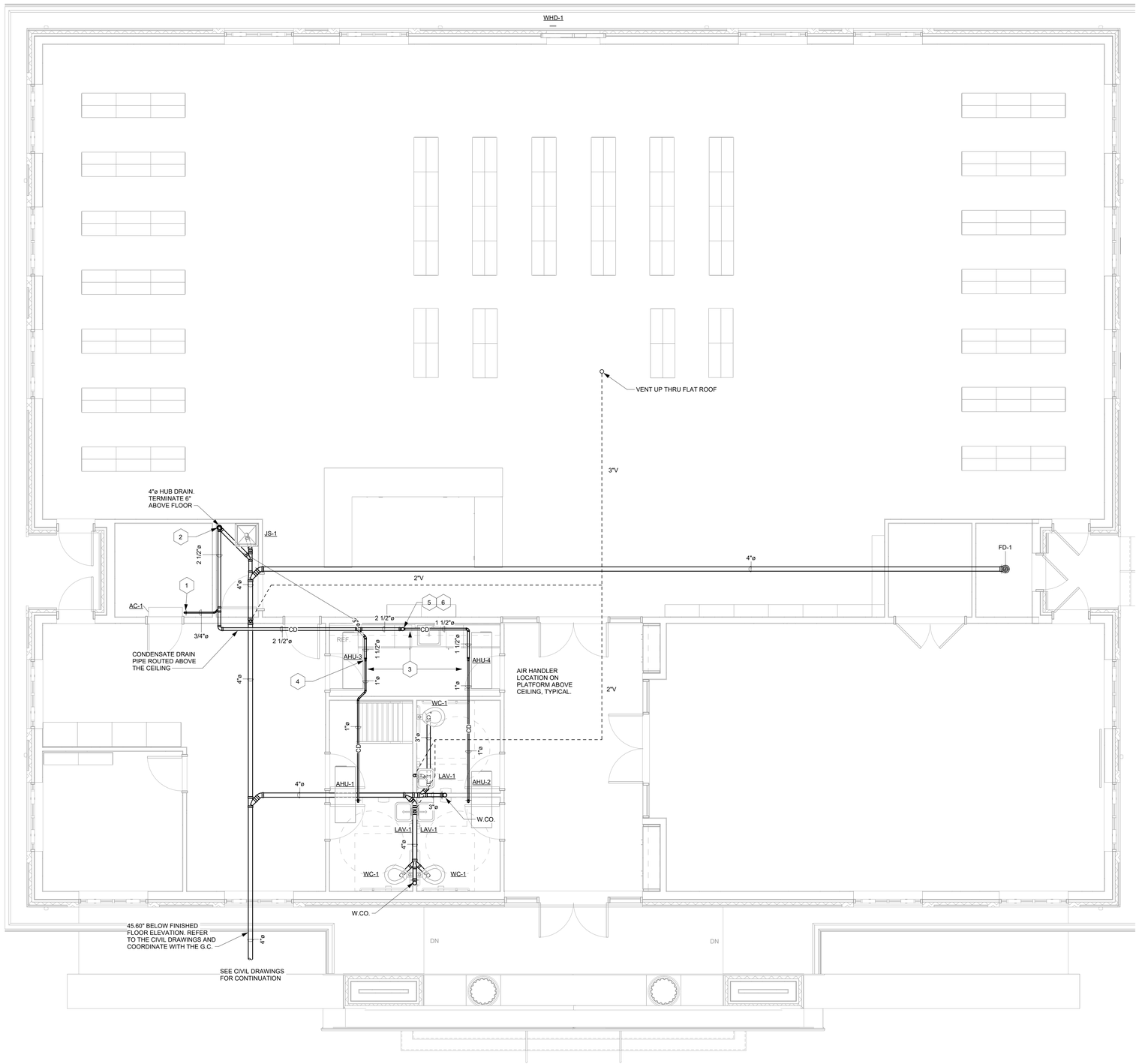

1 Waste & Vent Piping Plan
1/4" = 1'-0"

PLUMBING LEGEND

	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RE-CIRCULATION
	VENT PIPING
	BALL VALVE
	FLOOR DRAIN, SQUARE
	FLOOR DRAIN, ROUND
CD	CONDENSATE DRAIN
W.CO.	WALL CLEANOUT

GENERAL NOTES:
1. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE 2021 SOUTH CAROLINA PLUMBING CODE.
2. EXACT/ACTUAL ROUTING OF ALL PIPING SHALL BE BASED ON COORDINATION WITH THE GC AND ALL OTHER TRADES.
3. NO PLUMBING EQUIPMENT OR MATERIAL SHALL BE PROCURED OR PURCHASED UNTIL COORDINATION WITH GC AND ALL OTHER TRADES HAS TAKEN PLACE.
4. ALL WATER AND SEWER PIPING SHALL BE TESTED PER THE PLUMBING CODE.
5. NO UNDERGROUND WASTE/DRAIN PIPE SHALL BE INSTALLED UNTIL THE PIPE DEPTH AND INVERT ELEVATIONS HAVE BEEN COORDINATED WITH THE G.C. REGARDING THE FOOTINGS AND SITE PIPING.

PLUMBING PIPING:
1. ABOVE GROUND DOMESTIC WATER PIPING SHALL BE TYPE L HARD COPPER.
2. BELOW GROUND DOMESTIC WATER PIPING SHALL BE TYPE K HARD COPPER.
3. ALL SHUT OFF VALVES SHALL BE TWO PIECE FULL PORT BRASS BALL VALVES.
4. EXCEPT WHERE NOTED OTHERWISE ALL WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC PIPING. PIPING SHALL BE SOLID WALL. FITTINGS SHALL BE SCHEDULE 40. JOINTS (PIPE & FITTING) SHALL BE CLEANED WITH PRIMER PRIOR TO APPLYING SOLVENT.
5. ALL VENT PIPE IS 2" UNLESS INDICATED OTHERWISE.
6. DOMESTIC WATER PIPING SHALL BE INSTALLED SUCH THAT BALL VALVES ARE NO MORE THAN 16" ABOVE CEILINGS.
7. BALL VALVES SHALL BE INSTALLED SO THAT HANDLES ARE ON THE SIDE OR BOTTOM OF PIPE.
8. PROVIDE SCHEDULE 40 STEEL SLEEVE AT ALL LOCATIONS WHERE U/G WASTE AND WATER LINES PENETRATE BELOW GRADE OR ABOVE GRADE WALLS (INTERIOR WALLS AND EXTERIOR WALLS)..

PLUMBING INSULATION:
1. DOMESTIC COLD WATER, HOT WATER, HOT WATER RECIRCULATION, AND CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH FIBERGLASS INSULATION.
2. FIBERGLASS INSULATION SHALL HAVE ALL SERVICE JACKET AND SHALL BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS. ALL SEAMS AND JOINTS SHALL BE TAPED WITH ASJ TAPE AND SHALL BE SEALED . ELBOWS SHALL HAVE PVC COVERS OVER PREMOLDED INSULATION.
3. COLD WATER AND CONDENSATE DRAIN PIPING SHALL HAVE 1/2" THICK INSULATION. HOT WATER AND HOT WATER RETURN PIPING SHALL HAVE 1" THICK INSULATION.
4. PIPING SHALL BE LABELED WITH PRECOILED SEMI-RIGID PLASTIC PIPE LABELS TO COVER FULL CIRCUMFERENCE OF PIPE. LABELS SHALL LETTERS AT LEAST 1-1/2" HIGH AND SHALL HAVE DIRECTIONAL ARROWS.

PLAN NOTES:

1. CONDENSATE FROM AC-1 TO BE PUMPED VERTICALLY UP AND THEN FLOW BY GRAVITY.
2. TERMINATE 2" CONDENSATE DRAIN AT 4" HUB DRAIN WITH AIR GAP.
3. ROUTE CONDENSATE DRAIN ABOVE THE EQUIPMENT PLATFORM.
4. 1" CONDENSATE DRAIN UP TO CONNECT TO AIR HANDING UNITS. REFER TO AIR HANDLING UNIT DETAIL ON MECHANICAL DRAWINGS.
5. 2-1/2" UP TO A 3" HUB DRAIN FOR WATER HEATER.
6. DRAIN PIPING FROM THE WATER HEATER HUB DRAIN TO THE DISCHARGE AT THE HUB DRAIN IN THE JANITOR ROOM SHALL BE SCHEDULE 40 CPVC.

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WASTE PIPING PLAN

P101

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PLUMBING LEGEND

	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RE-CIRCULATION
	VENT PIPING
	BALL VALVE
	FLOOR DRAIN, SQUARE
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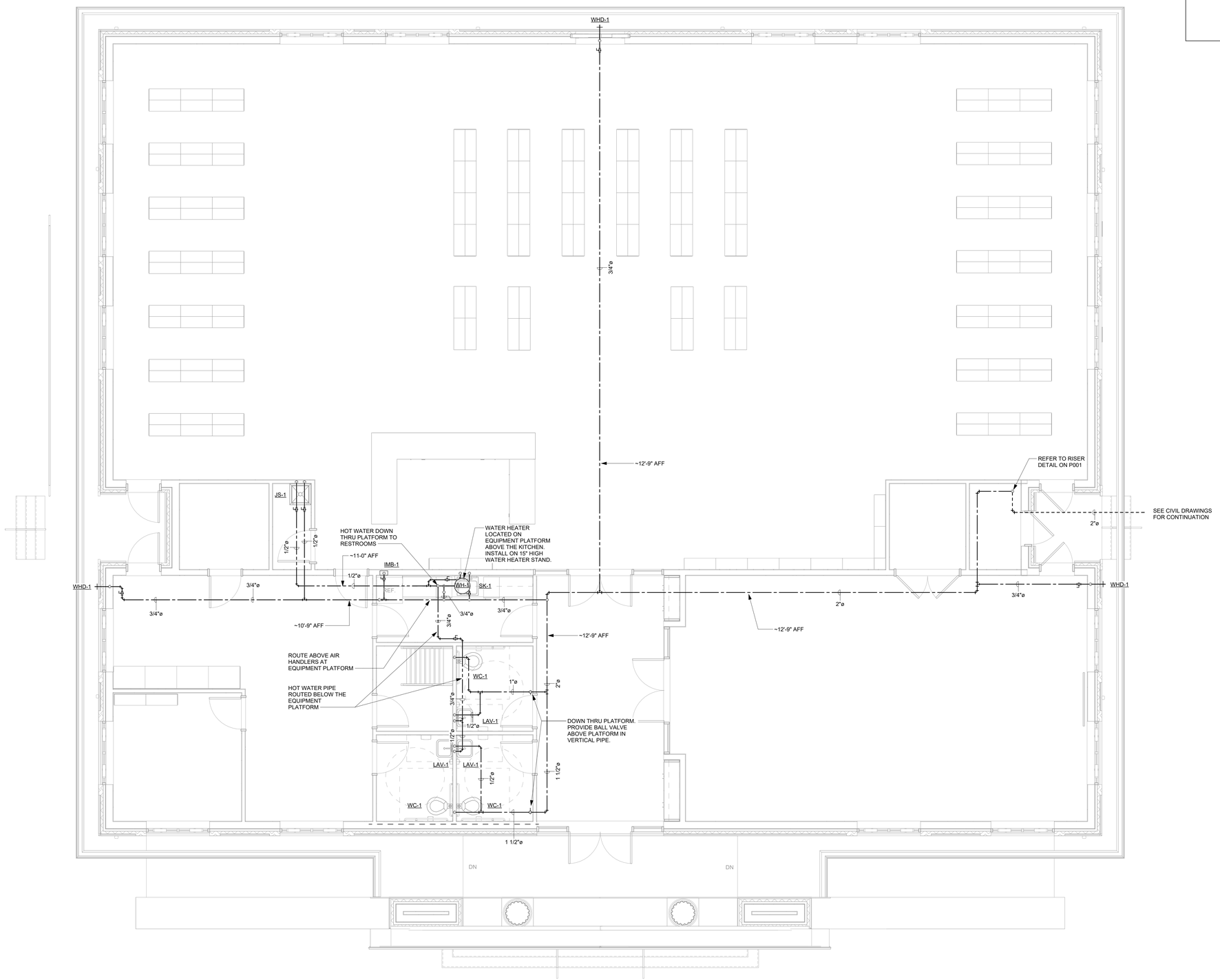

1 Domestic Water Piping Plan
1/4" = 1'-0"

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DOMESTIC WATER PIPING PLAN

P102

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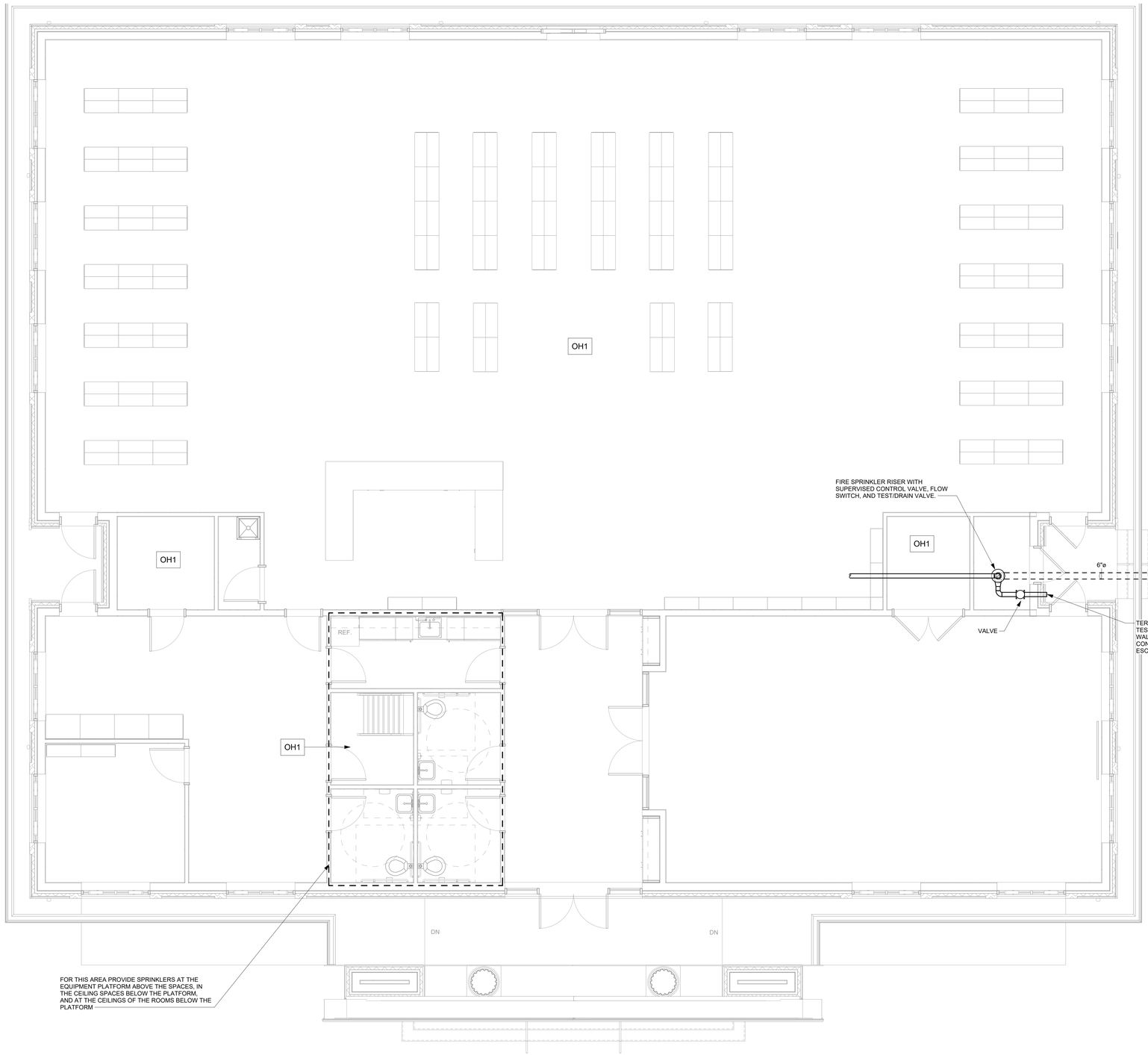

1 Fire Protection Plan
1/4" = 1'-0"

DUE TO THE WOOD ROOF STRUCTURE ALL SPACES SHALL BE PROVIDED WITH SPRINKLERS AT THIE CEILINGS AND WITH SPRINKLERS ABOVE THE CEILINGS IN THE ROOF TRUSS SPACES.

FIRE PROTECTION NOTES:

1. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE THE DETAILED DESIGN OF THE SPRINKLER SYSTEM ACCORDING TO THE CRITERIA SHOWN ON THIS SHEET, THE FIRE SPRINKLER SPECIFICATION SHEET, AND THE SPECIFICATIONS.
2. DESIGN AND INSTALLATION OF THE SPRINKLER AND STANDPIPE SYSTEMS SHALL BE IN ACCORDANCE WITH SOUTH CAROLINA LAWS, SOUTH CAROLINA STATE FIRE MARSHAL AND THE LOCAL FIRE MARSHALL. DESIGN AND INSTALLATION SHALL COMPLY WITH NFPA 13 (2019).
3. AREAS WITH LAY-IN, GYPBOARD OR WOOD CEILINGS SHALL HAVE CONCEALED PENDANT TYPE SPRINKLER HEADS. COLOR OF COVER SHALL BE SELECTED BY THE ARCHITECT
4. SPRINKLER HEADS SHALL BE CENTERED IN ACOUSTICAL LAY-IN CEILING TILES/PANELS.
5. DESIGN AND ROUTING OF THE PIPING AND THE LOCATION OF SPRINKLER HEADS SHALL BE COORDINATED WITH THE HVAC DUCTS & EQUIPMENT, ELECTRICAL SYSTEMS AND EQUIPMENT AND STRUCTURAL ELEMENTS. PIPING SHALL BE CLOSELY COORDINATED WITH THE GENERAL CONTRACTOR AND ALL OTHER TRADES SO THAT CEILING HEIGHTS ARE NOT COMPROMISED. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING INFORMATION.
6. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE REFLECTED CEILING PLAN AND FOR ALL RATED WALL LOCATIONS.
7. INSTALL FLOW SWITCH AT SPRINKLER RISER.
8. INSTALL TAMPER SWITCHES AT RISER VALVES,AT VALVES AT THE FIRE PROTECTION BACKFLOW PREVENTER PIT, AND AT THE POST INDICATOR VALVE. REVER TO THE CIVIL DRAWINGS FOR LOCATION OF THE FIRE PROTECTION BACKFLOW PREVENTER PIT AND THE POST INDICATOR VALVE.
9. PROVIDE ANY AND ALL SECONDARY DRAINS NEEDED TO PROVIDE A COMPLETELY DRAINABLE SYSTEM.
10. IT IS THE INTENT THAT THIS FACILITY BE FULLY SPRINKLERED.

FIRE PROTECTION DESIGN CRITERIA

1. SPRINKLER SYSTEM SHALL BE WET PIPE, AUTOMATIC TYPE.
2. ALL AREAS NOT SPECIFICALLY NOTED OTHERWISE SHALL BE LIGHT HAZARD.
3. SEISMIC DESIGN CATEGORY: D; Ss FACTOR: 0.418
4. CONTRACTOR SHALL CALCULATE THE SPRINKLER SYSTEM UTILIZING THE INFORMATION INCLUDED HERIN AND MEET ALL NFPA-13 (2019) REQUIREMENTS. THE CONTRACTOR SHALL START THE HYDRAULIC CALCULATIONS AT THE TEST HYDRANT.
5. SPRINKLER HEADS SHALL BE SPACED IN ACCORDANCE WITH NFPA-13 AND THE MANUFACTURER'S APPROVAL LISTING
6. HAZARD CLASSIFICATIONS:
   a. LIGHT HAZARD (AT FLAT CEILINGS): 0.10 GPM/SF, 1500 SF REMOTE AREA, 100 GPM HOSE DEMAND.
   b. LIGHT HAZARD (BELOW SLOPED ROOFS): 0.10 GPM/SF, 1950 SF REMOTE AREA, 100 GPM HOSE DEMAND.
   c. ORDINARY HAZARD GROUP 1: 0.15 GPM/SF, 1500 SF REMOTE AREA, 250 GPM HOSE DEMAND.

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FIRE PROTECTION PLAN

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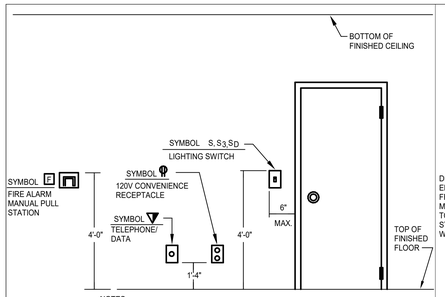


NOTES:

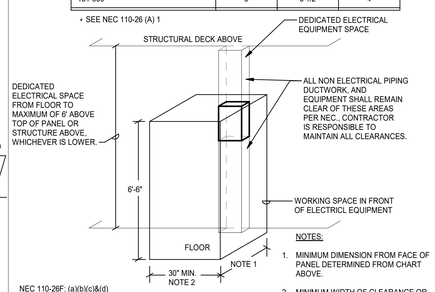
1. DEVICE BOXES MOUNTED IN THE SAME WALL BUT IN SEPARATE ROOMS OR SPACES SHALL NOT BE MOUNTED IN THE SAME WALL CAVITY.

1 TYPICAL DEVICE MOUNTING HEIGHT
NTS

N.E.C. TABLE 110-26(A)(1). WORKING SPACES

	CONDITIONS MINIMUM CLEAR DISTANCE (FEET)		
NOMINAL VOLTAGE TO GROUND	1	2	3
0-150	3	3	3
151-600	3	3 1/2	4

• SEE NEC 110-26 (A) 1



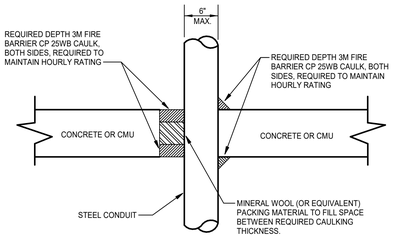
NEC 110-26F: (a)(b)(c)&(d)

NOTES:

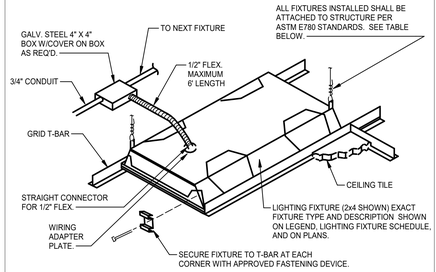
1. MINIMUM DIMENSION FROM FACE OF PANEL DETERMINED FROM CHART ABOVE.
2. MINIMUM WIDTH OF CLEARANCE OR PANEL WIDTH, WHICHEVER IS GREATER.

2 PANEL CLEARANCES PER NEC
NTS

PROVIDE FIRESTOPPING THRU ALL RATED (1 HOUR AND ABOVE) WALLS. FIRESTOPPING SHALL BE 3M CP 25WB CAULK OR FIREDAM 150 CAULK OR EQUAL. FIRESTOPPING SHALL BE AS REQUIRED TO MAINTAIN A U.L. SYSTEM CLOSURE. PROVIDE U.L. NO. AND MANUFACTURER'S SPECIFICATION AND INSTALLATION DRAWING FOR ALL SUBSTITUTION REQUESTS.

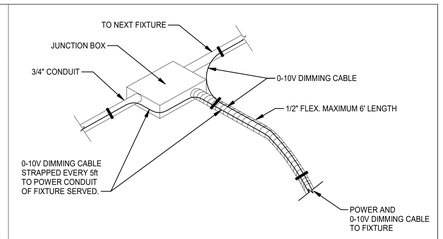


3 TYPICAL CONDUIT SLEEVE DETAIL
NTS



FIXTURE WEIGHT	SUPPORT TYPE
<10 lbs	(1) No. 12 GAUGE SLACK WIRE
>10 lbs BUT < 56 lbs	(2) No. 12 GAUGE SLACK WIRE
> 56 lbs	APPROVED HANGERS SUPPORTED FROM STRUCTURE

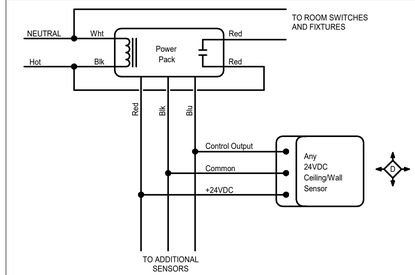
4 TYPICAL RECESSED LIGHT FIXTURE MOUNTING
NTS



NOTES:

1. ALL 0-10V DIMMING WIRING SHALL BE A SINGLE BELDEN # 2179LP (OR EQUAL) CABLE TO EACH FIXTURE. PROVIDE AN ADDITIONAL 3/4" CONDUIT FROM DIMMER SWITCH TO ABOVE CEILING FOR SIGNAL WIRES. ONCE ABOVE CEILING, SIGNAL WIRES TO BE STRAPPED EVERY 5 FEET TO CONDUIT SUPPLYING POWER FOR EACH FIXTURE.
2. DIMMING CABLE TO BE INSTALLED ABOVE INACCESSIBLE CEILING SHALL BE ROUTED IN SEPARATE CONDUIT AND SHALL NOT BE STRAPPED TO POWER CONDUIT.

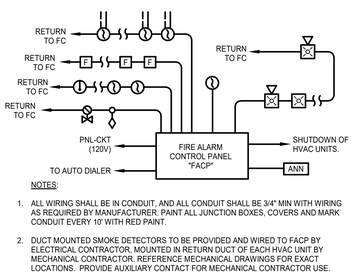
5 0-10V DIMMING WIRING DETAIL
NTS



NOTES:

1. POWER PACKS ARE NOT INDICATED ON PLAN DRAWINGS. FURNISH AND INSTALL POWER PACKS AS REQUIRED. POWER PACK TO BE COMPATIBLE WITH ELECTRONIC BALLASTS AND FLUORESCENTS. SENSOR AND POWER PACK SHALL HAVE 5 YEAR WARRANTY AND BE UL LISTED.
2. ACCEPTABLE MANUFACTURERS INCLUDE WATT-STOPPER, HUBBELL, ACUITY AND GREENGATE. SHOP DRAWINGS SHALL BE PROVIDED BY MANUFACTURER INDICATING OPTIMAL LOCATION OF SENSORS, EXACT CATALOG NUMBERS AND WIRING DIAGRAMS.
3. ALL OCCUPANCY SENSORS SHALL BE LOCATED AT LEAST 2' AWAY FROM ALL HVAC DIFFUSERS.

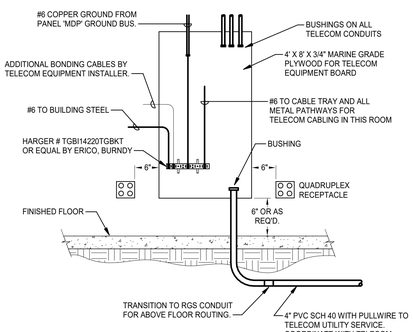
6 OCCUPANCY SENSOR CONTROL WIRING DIAGRAM
NTS



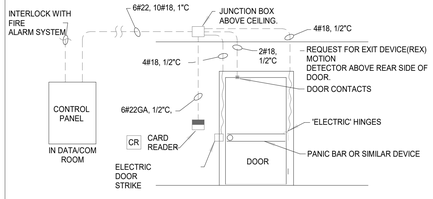
NOTES:

1. ALL WIRING SHALL BE IN CONDUIT, AND ALL CONDUIT SHALL BE 3/4" MIN WITH WIRING AS REQUIRED BY MANUFACTURER. PAINT ALL JUNCTION BOXES, COVERS AND MARK CONDUIT EVERY 10' WITH RED PAINT.
2. DUCT MOUNTED SMOKE DETECTORS TO BE PROVIDED AND WIRED TO FACP BY ELECTRICAL CONTRACTOR. MOUNTED IN RETURN DUCT OF EACH HVAC UNIT BY MECHANICAL CONTRACTOR. REFERENCE MECHANICAL DRAWINGS FOR EXACT LOCATIONS. PROVIDE AUXILIARY CONTACT FOR MECHANICAL CONTRACTOR USE.
3. ELECTRICAL CONTRACTOR SHALL WIRE FROM FACP TO EACH INDIVIDUAL AIR HANDLER CONTROL CIRCUIT TO INSTALL SHUT DOWN CONTACT AS REQUIRED BY NFPA.
4. UPON SENSING OF SMOKE IN ATRIUM AREA BY ANY TWO SMOKE DETECTORS, EMERGENCY POWERED SMOKE REMOVAL EXHAUST FANS AND ASSOCIATED LOUVERS.
5. REFER TO PLANS FOR EXACT QUANTITIES AND LOCATIONS OF DEVICES.

7 FIRE ALARM RISER DIAGRAM
NTS

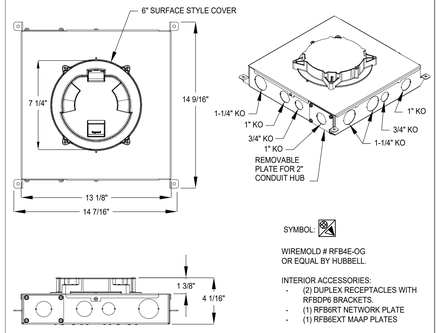


8 TELECOM BOARD DETAIL-UNDERGROUND ENTRY
NTS



NOTES: 1. ACCESS SYSTEM PARTS AND CABLE TO BE PROVIDED BY CONTRACTOR. CONDUITS, BOXES, INSTALLATION AND WIRING SHALL BE BY CONTRACTOR.

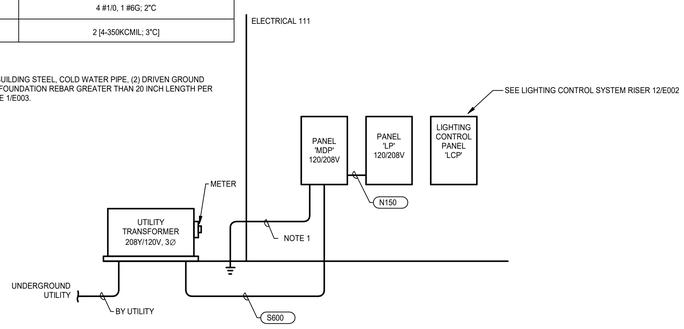
9 CARD READER DOOR ACCESS
NTS



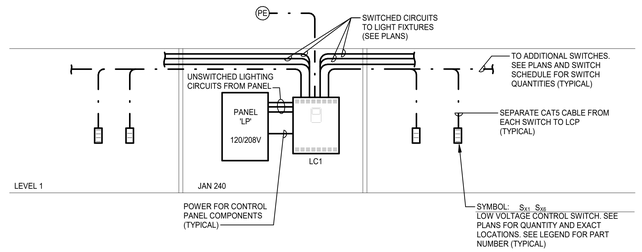
10 FLOOR BOX - ON-GRADE, 4 COMPARTMENT
NTS

CABLE/CONDUIT SCHEDULE	
TAG	WIRE AND CONDUIT
N150	4 #1/0, 1 #6G; 2"C
S600	2 [4-350KCMIL; 3"C]

NOTES:
1. 1 #2/0G TO BUILDING STEEL, COLD WATER PIPE, (2) DRIVEN GROUND RODS, AND FOUNDATION REBAR GREATER THAN 20 INCH LENGTH PER NEC 250. SEE 1/E003.



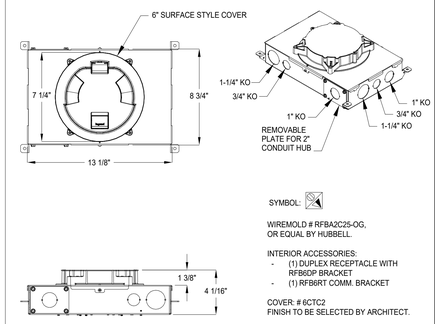
11 ELECTRICAL RISER DIAGRAM
NTS



NOTES:

1. LIGHTING CONTROL PANEL LCP SHALL BE WATTSTOPPER # LCMP8 PANEL OR EQUAL BY CRESTRON, ACUITY, ILC, PLC MULTIPOINT.
2. LIGHTING CONTROL PANEL SHALL INCLUDE DIGITAL TIME CLOCK AND CIRCUIT RELAYS AS SHOWN ON PLAN AND SCHEDULE.
3. CONTRACTOR TO COORDINATE WITH OWNER AND TO PROGRAM PANEL TIMING ACCORDING TO OWNER'S DIRECTION. CONTRACTOR SHALL PROVIDE TRAINING TO INSTRUCT OWNER ON SYSTEM PROGRAMING.
4. LOW VOLTAGE SWITCHES SHALL HAVE A HOMERUN CAT5 CABLE IN 3/4"C FROM THE SWITCH LOCATION TO LCP FOR CONTROL.

12 LIGHTING CONTROL SYSTEM RISER
NTS

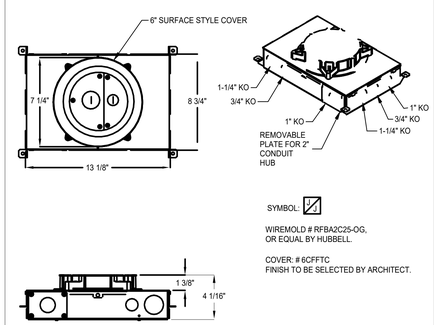


13 FLOOR BOX - ON-GRADE, 2 COMPARTMENT
NTS

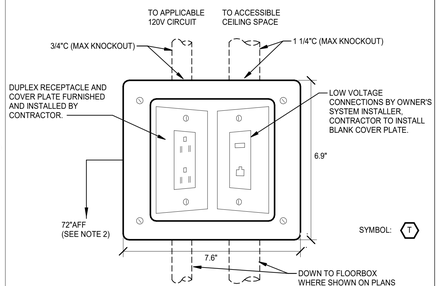
NAME: LCP				TYPE: WATTSTOPPER LMCP8				
CABINET: SURFACE								
RELAY #	CIRCUIT	VOLTAGE	AREA DESCRIPTION	CONTROL DESCRIPTION	CONTROL FUNCTION	BLINK WARNING	TIME DELAY	NOTES
1	LP-5a	120V	LIBRARY - INFO AREA	-SCHEDULE -LOCAL OVERRIDE SWITCHES	ON / OFF / DIM	YES	YES	--
2	LP-3b	120V	LIBRARY - BACK WALL	-SCHEDULE -LOCAL OVERRIDE SWITCHES	ON / OFF / DIM	YES	YES	--
3	LP-3c	120V	LIBRARY - ADULT SECTION	-SCHEDULE -LOCAL OVERRIDE SWITCHES	ON / OFF / DIM	YES	YES	--
4	LP-11d	120V	LIBRARY - CHILDREN SECTION	-SCHEDULE -LOCAL OVERRIDE SWITCHES	ON / OFF / DIM	YES	YES	--
5	LP-5e	120V	LOBBY	-SCHEDULE -LOCAL OVERRIDE SWITCHES	ON / OFF	YES	YES	--
6	----	---	SPARE	---	---	---	---	--
7	----	---	SPARE	---	---	---	---	--
8	LP-7	120V	EXTERIOR	-SCHEDULE -PE CELL	ON / OFF	NO	NO	--

14 LCP RELAY CONTROL SCHEDULE W/ LOW VOLTAGE SWITCH SCHEDULE-NEW
NTS

LIGHTING CONTROL PANEL 'LCP' SWITCH SCHEDULE				
SWITCH ID	SWITCH QTY	SWITCH TYPE	RELAY(S) CONTROLLED	BUTTON ENGRAVING
S_{X6}	1	6-BUTTON	BUTTON 1: LCP-1	"INFO DESK"
			BUTTON 2: LCP-2	"REAR CENTER"
			BUTTON 3: LCP-3	"ADULT SECTION"
			BUTTON 4: LCP-4	"CHILDREN SECTION"
			BUTTON 5: LCP-5	"LOBBY"
			BUTTON 6: SPARE	--
S_{X1}	1	1-BUTTON	BUTTON 1: LCP-5	"LOBBY"



15 FLOOR BOX - ON-GRADE, 2 COMPARTMENT J-BOX
NTS



NOTES:

1. LEGRAND # TV-2MW COMMERCIAL RECESSED TV BOX OR EQUAL, WHITE FINISH.
2. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT. BOX TO BE CONCEALED BEHIND TV.
3. PROVIDE CONDUITS AS SHOWN. ROUTE TV/AV CONDUIT TO ABOVE ACCESSIBLE CEILING, WITH PULL WIRE.

16 TV WALL BOX DETAIL
NTS

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SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION BURDETTE ENGINEERING, INC. No. C00495

JOHN S. MARSHALL No. 15549 REGISTERED PROFESSIONAL ENGINEER 3/29/25 JOHN C. MARSHALL

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ELECTRICAL DETAILS AND SCHEDULES

E002

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SYMBOL	DESCRIPTION
	CIRCUITS AND CONDUIT
A-1,3	HOME RUN TO LIGHTING/SERVICE PANEL. HASH MARKS, WHEN SHOWN, INDICATE NUMBERS OF CONDUCTORS. "/" INDICATES HOT WIRE, "W" INDICATES NEUTRAL CONDUCTOR,"G" INDICATES GROUND CONDUCTOR. HOME RUN NOTE INDICATES PANEL NAME AND CIRCUIT NAME OR FEEDER TAG. CONDUCTORS SHALL BE #12 AWG IN 3/4" CONDUIT UNLESS NOTED OTHERWISE. ANY HOME RUN OR CONDUIT WITHOUT HASH MARKS IS TO CONTAIN 3 CONDUCTORS; 1 HOT, 1 NEUTRAL, AND 1 EQUIPMENT GROUND, EACH HOT CIRCUIT SHALL BE PAIRED WITH A SEPARATE NEUTRAL CONDUCTOR. SHARING OF NEUTRAL CONDUCTORS BETWEEN CIRCUITS IS NOT ALLOWED.
	EXPOSED CONDUIT
	CONDUIT RUN IN SLAB OR UNDERGROUND.
	CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS, UNLESS NOTED OTHERWISE.
	CONDUIT JUNCTION IN CONDULET OR JUNCTION BOX.
	FLEXIBLE CONDUIT
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	EQUIPMENT
	UTILITY METER
	LIGHTING OR SERVICE PANEL, SURFACE MOUNTED.(208V)
WH	WATER HEATER.
30/20/3P/3R	SAFETY DISCONNECT SWITCH. "30" INDICATES AMP RATING, "20" INDICATES FUSE SIZES, "3P" INDICATES NUMBER OF POLES, ENCLOSURE TO BE NEMA 1 UNLESS NOTED OTHERWISE (3R, 4X, ETC.) SQUARE D H300 SERIES HEAVY DUTY SAFETY SWITCH
	WIRING DEVICES
	NOTE: ALL WIRING DEVICES TO BE GRAY, WITH #302 STAINLESS STEEL COVERPLATE (FLUSH MOUNTED) UNLESS NOTED OTHERWISE ON THE DRAWING OR SPECIFICATIONS.
	STRAIGHT BLADE DEVICE SYMBOLS
	20A, 125V, 2P, 3W, NEMA 5-20R, TAMPER-RESISTANT DUPLEX RECEPTACLE. LEGRAND # TR5362W OR EQUAL. STANDARD POWER. "WP" DENOTES EXTRA-DUTY DIE-CAST ALUMINUM IN-USE COVER, INTERMATIC # WP1010MXD OR APPROVED EQUAL WITH GFCI RECEPTACLE LISTED AND SO IDENTIFIED AS WEATHER-RESISTANT TYPE USING "WR" DESIGNATION ON THE FACE OF THE RECEPTACLE. "GFI" DENOTES GFCI TYPE. "C" DENOTES RECEPTACLE TO BE FLUSH MOUNTED IN CEILING. "EM" DENOTES RED COLOR. SAME AS "D" ABOVE EXCEPT BOTTOM OF OUTLET MOUNTED ABOVE COUNTER HEIGHT
	QUADRAPLEX - TWO DUPLEX OUTLETS MOUNTED IN A TWO GANG BOX WITH TWO GANG COVER PLATE
	SWITCH SYMBOLS
S_M	MANUAL MOTOR STARTER
S	SINGLE POLE LIGHTING SWITCH 120-277 VOLT, 20 AMP, SPEC GRADE. LETTER ("a") DESIGNATES WHICH FIXTURES ARE CONTROLLED FROM WHICH SWITCHES WHEN MULTIPLE SWITCHES ARE USED ON ONE CIRCUIT.
S_3	SAME AS "S" ABOVE EXCEPT "3" IN SUBSCRIPT DENOTES 3-WAY SWITCH.
S_{OS}	DUAL-TECHNOLOGY WALL SWITCH/OCCUPANCY SENSOR - WATTSTOPPER # DSW-301
PE	LOW VOLTAGE PHOTOELECTRIC CELL, COMPATIBLE WITH LIGHTING CONTROL PANEL, TO BE MOUNTED ON ROOF, FACING NORTH.
	360° DUAL-TECHNOLOGY LOW VOLTAGE CEILING OCCUPANCY SENSOR WITH POWER PACK - WATTSTOPPER # DT-300 (SEE DETAIL 6/E002)
S_{X1}	1-BUTTON DIGITAL PROGRAMMABLE SWITCH, CONNECTED TO ROOM CONTROLLER VIA CAT5 CABLE - WATTSTOPPER # LMSW-210-GRY .
S_{X6}	TOUCH SCREEN LIGHTING CONTROL, CONNECTED TO LIGHTING CONTROL PANEL VIA CAT5 CABLE - WATTSTOPPER # RTI-KX4
	BOXES AND POKE-THRUS
J H	4" SQUARE JUNCTION BOX STEM INDICATES WALL MOUNTED
J	JUNCTION BOX FLOOR MOUNTED
T	RECESSED 2-GANG DIVIDED TV BOX TO CONTAIN RECEPTACLE AND TV/AV CONNECTIONS. TV/AV CONNECTIONS, CABLES AND COVER PLATE BY OWNER'S SYSTEM INSTALLER. CONNECT RECEPTACLE TO CIRCUIT SHOWN ADJACENT. ROUTE 3/4"C FOR POWER AND 1-1/4"C FOR DATA/AV. (SEE DETAIL 16/E002)
	EXTERIOR RATED, SINGLE SERVICE ON-GRADE BOX WITH (2) PRE-WIRED RECEPTACLES. CONNECT RECEPTACLES TO CIRCUIT NUMBER SHOWN ADJACENT. SEE PLANS FOR CONDUITS.
	ON-GRADE RATED, 2-COMPARTMENT FLOOR BOX FOR POWER AND VOICE/DATA CONNECTION TO FURNITURE. VOICE/DATA CABLES BY OWNER'S SYSTEM INSTALLER. PROVIDE FURNITURE WHIPS/CONNECTORS AND ROUTE CIRCUIT NUMBERS SHOWN ADJACENT TO FURNITURE. SEE PLANS FOR CONDUITS.15/E002
	ON-GRADE RATED, 2-COMPARTMENT FLOOR BOX TO CONTAIN (1) RECEPTACLE AND VOICE/DATA/AV OUTLETS. VOICE/DATA/AV OUTLETS AND CONNECTIONS BY OWNER'S SYSTEM INSTALLER. CONNECT RECEPTACLES TO CIRCUIT NUMBER SHOWN ADJACENT. SEE PLANS FOR CONDUITS. (SEE DETAIL 13/E002)
	ON-GRADE RATED, 4-COMPARTMENT FLOOR BOX TO CONTAIN (2) RECEPTACLES AND VOICE/DATA/AV OUTLETS. VOICE/DATA/AV OUTLETS AND CONNECTIONS BY OWNER'S SYSTEM INSTALLER. CONNECT RECEPTACLES TO CIRCUIT NUMBER SHOWN ADJACENT. SEE PLANS FOR CONDUITS. (SEE DETAIL 10/E002)
HH	HANDHOLE, POLYMER CONCRETE, 8"X8"X18" QUAZITE # PC8088B18 OR SIMILAR

SYMBOL	DESCRIPTION
	COMMUNICATIONS
	COMBINATION DATA/TELEPHONE OUTLET WITH 1" CONDUIT TO ACCESSIBLE CEILING, WITH PULL WIRE. JACKS, CABLE AND BOX COVER BY SYSTEM INSTALLER. "W" INDICATES WALL PHONE OUTLET, 54" A.F.F.
	TELECOM BOARD (SEE DETAIL 8/E002)
	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
ANN	REMOTE ANNUNCIATOR PANEL
	AREA SMOKE DETECTOR.
	DUCT MOUNTED SMOKE DETECTOR.
F	MANUAL FIRE ALARM PULL STATION
	WATER FLOW SWITCH
	TAMPER SWITCH
	FIRE ALARM SYSTEM STROBE UNIT ONLY, CEILING MOUNTED
	FIRE ALARM SYSTEM HORN/STROBE UNIT, CEILING MOUNTED
	SECURITY
CR	CARD READER, PROVIDE BACK BOX AND 1 1/4" CONDUIT TO CABLE TRAY. PROVIDE 120V POWER TO CARD READER POWER SUPPLY FROM A LOCAL CIRCUIT.
	LIGHTING FIXTURES
	2' X 4' CEILING MOUNTED FIXTURE
	SWITCHED FIXTURE WITH EMERGENCY LIGHTED BATTERY BACKUP. ROUTE "HOT" SENSING CIRCUIT TO BATTERY
	UNSWITCHED FIXTURE WITH EMERGENCY LIGHTED BATTERY BACKUP (TYPICAL)
	4' STRIP FIXTURE
	WALL MOUNTED FIXTURE
	SURFACE CEILING MOUNTED OR RECESSED DOWNLIGHT
	WALL SCONCE
	PENDANT FIXTURE.
	POST TOP FIXTURES.
	EXIT FIXTURE WITH INTEGRAL BATTERIES - ARROW INDICATES ILLUMINATED DIRECTIONAL ARROWS, SHADED SECTION INDICATES FACE WHICH IS ILLUMINATED. STEM INDICATES WALL MOUNTED. ALL EXIT LIGHTS SHALL BE MOUNTED TO THE STRUCTURE.

ELECTRICAL GENERAL NOTES:

1. INSPECT SITE PRIOR TO SUBMITTING BID. DRAWINGS ARE INTENDED TO COVER THE REQUIRED ELECTRICAL SYSTEMS. DRAWINGS MAY NOT SHOW COMPLETE OR ACCURATE DETAILS OF THE BUILDING OR SYSTEM IN EVERY RESPECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY ADDITIONAL INFORMATION AS REQUIRED.
2. CONFORM TO THE NATIONAL ELECTRICAL CODE (2020), IBC (2021), IECC (2009), APPLICABLE NEMA, ANSI AND IEEE PUBLICATIONS, U.L. AND ADA STANDARDS AND OSHA REQUIREMENTS. COMPLY WITH LOCAL, COUNTY, STATE AND NATIONAL CODES HAVING JURISDICTION.
3. FURNISH AND INSTALL ALL MATERIALS IN A NEAT AND WORKMANLIKE FASHION. ALL MATERIALS SHALL BE NEW, WITH FIRST QUALITY AND UL LABEL.
4. VERIFY ALL DIMENSIONS AND CLEARANCES PRIOR TO INSTALLATION OF EQUIPMENT AND RACEWAYS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF WORK WITH THAT OF ALL OTHER TRADES AS REQUIRED.
5. CONDUIT SHALL BE EMT FOR BRANCH CIRCUIT WIRING AS ALLOWED BY NEC, EXCEPT THAT SET SCREW OR CRIMP FITTINGS ARE NOT ALLOWED. WHERE EXPOSED TO PHYSICAL DAMAGE CONDUITS SHALL BE RIGID GALVANIZED STEEL. MINIMUM CONDUIT SIZE SHALL BE 3/4". ALL CONDUCTORS SHALL BE TYPE THHN/THWN-2, STRANDED 600V COPPER BUILDING WIRE. MINIMUM SIZE SHALL BE #12 AWG COPPER UNLESS NOTED. UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40 WITH TRANSITION TO RIGID GALVANIZED STEEL FOR EXPOSED CONDUITS.
6. PROVIDE GROUNDING FOR ALL EQUIPMENT IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE. GROUND SERVICE TO BUILDING STEEL, DRIVEN GROUND ROD AND COLD WATER PIPE.
7. ALL ENCLOSURES SHALL BE OF THE NEMA TYPE WHICH IS SUITABLE FOR THE APPLICATION.
8. SEAL ALL CONDUIT PENETRATIONS TO MATCH RATING OF WALL BEING PENETRATED.
9. ALL WORK SHALL HAVE PROPER LABELING AND NAMEPLATES. ALL CIRCUITS SHALL BE LABELED AT PANELS AND BOXES AS INDICATED. ALL PANELS AND DISCONNECTS ARE TO BE PERMANENTLY MARKED WITH NAME OF EQUIPMENT SERVED AS WELL AS SOURCE PANEL AND CIRCUIT NUMBER PER NEC 110. ALL PANELS ARE TO BE PROVIDED WITH TYPEWRITTEN PANEL SCHEDULES.
10. ALL BREAKERS ON CIRCUITS SUPPLYING HVAC EQUIPMENT SHALL BE TYPE HACR BREAKERS.
11. PROVIDE TELEPHONE ENTRY CONDUIT AND CONNECTION BOARD AS REQUIRED. STUB CONDUIT INTO SPACE AND EXTEND BEYOND PAVEMENT. COORDINATE WITH TELEPHONE SERVICE PROVIDER AND PAY ALL CHARGES. SEAL ALL TELEPHONE SERVICE CONDUIT AND AROUND CABLES TO PREVENT WATER ENTRY AROUND CONDUIT OR THRU CONDUIT.
12. COORDINATE WITH ELECTRICAL UTILITY AS REQUIRED FOR SERVICE ENTRY. INSTALL PAD, METER AND CONDUITS PER UTILITY REQUIREMENTS AND PAY ALL REQUIRED FEES OR CHARGES FOR SERVICES SHOWN.
13. THOROUGHLY CLEAN ALL EQUIPMENT AND SYSTEMS BEFORE PLACING IN OPERATION. RESTORE FINISHED SURFACES IF DAMAGED AND DELIVER THE ENTIRE INSTALLATION IN AN APPROVED CONDITION. INSTRUCT THE OWNERS' PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF THE SYSTEMS. FURNISH TO THE OWNER THREE SETS OF OPERATION AND MAINTENANCE MANUALS FOR EACH SYSTEM.
14. GUARANTEE THE WORK INSTALLED FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE. DEFECTS WHICH APPEAR AS A RESULT OF NORMAL USAGE SHALL BE REMEDIED BY THE CONTRACTOR TO THE COMPLETE SATISFACTION OF THE OWNER WITHOUT COST TO THE OWNER.
15. CONTRACTOR SHALL KEEP CURRENT A SET OF PLANS FOR THE DURATION OF CONSTRUCTION WITH ALL CHANGES TO WORK NEATLY AND ACCURATELY MARKED IN RED AND SHALL TURN OVER TO OWNER AT COMPLETION OF PROJECT.
16. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED TO MEET SEISMIC REQUIREMENTS OF 2021 IBC.
17. FLOORBOXES INSTALLED IN CONTACT WITH SLAB ON GRADE SHALL ON-GRADE RATED. STAMPED STEEL BOXES ARE ACCEPTABLE ONLY IN ELEVATED SLABS. COORDINATE ALL OPENINGS IN SLAB WITH STRUCTURAL ENGINEER BEFORE OPENING.
18. ALL PANELBOARDS SHALL BE FURNISHED WITH COPPER BUS BARS AND A COPPER GROUNDING BUS BAR.

ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR	**MCB**	MAIN CIRCUIT BREAKER
CKT	CIRCUIT	**MDP**	MAIN DISTRIBUTION PANEL
EMT	ELECTRICAL METALLIC TUBING	**NTS**	NOT TO SCALE
EWC	ELECTRIC WATER COOLER	**PH**	PHASE
FU	FUSE	**PNL**	PANEL
GFI	GROUND FAULT INTERRUPTER DEVICE	**PVC**	POLYVINYL CHLORIDE CONDUIT
HH	HAND HOLE	**REQD**	REQUIRED
LTG	LIGHTING (L.)	**SPD**	SURGE PROTECTIVE DEVICE
MLO	MAIN LUGS ONLY	**SW**	SWITCH
		TYP	TYPICAL
		UNO	UNLESS NOTED OTHERWISE
		UGND	UNDERGROUND
		W/	WITH
		WH	WATER HEATER
		WP	WEATHER PROOF
		XFMR	TRANSFORMER

GENERAL LIGHTING NOTES:

1. MANUFACTURERS & NUMBERS ARE LISTED TO ESTABLISH QUALITY ONLY AND NOT TO LIMIT COMPETITION. PRIOR TO BIDDING, SUBSTITUTIONS ARE ALLOWED SUBJECT TO SUBMITTAL DATA, PHOTOMETRICS & ENGINEERS APPROVAL AS REQUIRED BY SPECIFICATIONS. "SUBJECT TO APPROVAL" BIDS ARE PROHIBITED.
2. ALL FIXTURES TO BE U.L., E.T.L. OR C.S.A. LABELED. ALL EXTERIOR FIXTURES SHALL HAVE WET LABEL OR DAMP LABEL AS REQUIRED BY LOCATION. CONTRACTOR SHALL VERIFY BEFORE SUBMITTING FIXTURE.
3. ALL FIXTURES TO BE PAINTED AFTER FABRICATION.
4. PROVIDE ALL MOUNTING ACCESSORIES, BAR HANGARS & HARDWARE REQUIRED. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECT'S REFLECTED CEILING PLAN.
5. POLES FOR AREA FIXTURES ARE TO MATCH FIXTURE FINISH EXACTLY. CONTRACTOR TO COORDINATE PRE-DRILLING OF POLES AS REQUIRED TO ACCEPT ARM MOUNTING. PROVIDE HAND HOLES AT POLE BASES.
6. INTEGRAL EMERGENCY BATTERIES SHALL PROVIDE A MINIMUM OF 10W OUTPUT. BATTERIES SHALL CONTAIN INTEGRAL SENSING CIRCUIT TO ALLOW FIXTURE TO BE SWITCHED WITH AREA FIXTURES FOR NORMAL OPERATION AND ENERGIZE BATTERY POWERED FIXTURE UPON LOSS OF POWER CIRCUIT, REGARDLESS OF SWITCH POSITION. MANUFACTURER SHALL BE BODINE OR APPROVED EQUAL.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MOUNTING HEIGHT	LAMP	WATTAGE	VOLTAGE
EX	RECESSED EDGE-LIT EXIT SIGN WITH RED LETTERS ON CLEAR PANEL FOR SINGLE-FACED FIXTURES AND RED LETTERS ON MIRRORED PANEL FOR DOUBLE-FACED FIXTURES. ALUMINUM TRIM PLATE. EMERGENCY BATTERY BACKUP.	LITHONIA # LRP-X-RMR-120/277-EL N EMERGILITE # LSNX-X-N-R-M LIGHTALARMS # SPLEDN-A-R-M-Z	SURFACE		4 VA	UNIVERSAL
IA	4', LED CHANNEL STRIP LIGHT, STEEL HOUSING, FROSTED ACRYLIC LENS, WHITE FINISH, PAF, 0-10V DIMMING DRIVER	LITHONIA # ZL1D-L48-3000LM-FST-MVOLT-35K-80CRI-WH WILLIAMS # 75R-4-L50/835-(L40)-DIM-UNV METALUX # 4SNX-4SSL-LW-UNV-L835-CD1-PAF-U	SURFACE	≈ 4000 LM LED 3500K	34 VA	UNIVERSAL
IAE	SAME AS 'IA' ABOVE EXCEPT PROVIDED WITH EMERGENCY BATTERY BACKUP.	LITHONIA # ZL1D-L48-3000LM-FST-MVOLT-35K-80CRI-E15WLCP-WH WILLIAMS # 75R-4-L50-835-(L40)-DIM-UNV-EM/10WLP METALUX # 4SNX-4SSL-LW-UNV-L835-CD1-EL10W-PAF-U	SURFACE	≈ 4000 LM LED 3500K	34 VA	UNIVERSAL
M1	ACORN STYLE 10' POLE LIGHT WITH 3" OUTSIDE DIAMETER, MODERN STYLE SWING OPEN, TYPE V DISTRIBUTION, BLACK HOUSING, WITH MAYFIELD HALF COVER. 10 FT PREWIRED LEADS.	HOLOPHANE # GPD3-P30-40K-MVOLT-MS-GL5-BK-L10-MC HOLOPHANE # FRSA-10-40C-C03-BK	10' POLE MOUNT	8800 LM LED, 4000K	57 VA	
PA	DECORATIVE LED PENDANT	$5,000 ALLOWANCE		≈ 4000 LM LED 3500K	0 VA	UNIVERSAL
PB	DECORATIVE LED PENDANT, EXTERIOR RATED	$5,000 ALLOWANCE		≈ 4000 LM LED 3500K	0 VA	UNIVERSAL
RA	6" DIA. RECESSED LED CAN LIGHT, SELF-FLANGED WITH CLEAR SEMI-SPECULAR FINISH AND 0-10V DIMMING DRIVER. SPEC GRADE.	ACUITY # LDN6-AL02-SWW1-L06-AR-MVOLT-UGZ WILLIAMS # 6DR-L30-8-35-DIM-UNV/O-W-OF-CS-TD/N-F1 HALO-COMMERCIAL # HC6-20-D010-HM6-0525-835-61-MD-H	RECESSED	≈ 2000 LM LED 3500K	27 VA	UNIVERSAL
RAE	6" DIA. RECESSED LED CAN LIGHT, SELF-FLANGED WITH CLEAR SEMI-SPECULAR FINISH AND 0-10V DIMMING DRIVER. SPEC GRADE. WITH EMERGENCY BATTERY PACK	ACUITY # LDN6-AL02-SWW1-L06-AR-MVOLT-UGZ-EL WILLIAMS # 6DR-L30-8-35-EM/10W/ITS-DIM-UNV/O-W-OF-CS-TD/N-F1 HALO-COMMERCIAL # HC6-20-D010-IEM7-HM6-0525-835-61-MD-H	RECESSED	≈ 2000 LM LED 3500K	27 VA	UNIVERSAL
RB	6" DIA. RECESSED LED CAN LIGHT, SELF-FLANGED WITH CLEAR SEMI-SPECULAR FINISH AND 0-10V DIMMING DRIVER. SPEC GRADE.	ACUITY # LDN6-AL02-SWW1-L06-AR-MVOLT-UGZ WILLIAMS # 6DR-L20-8-35-DIM-UNV/O-W-OF-CS-TD/N-F1 HALO-COMMERCIAL # HC6-15-D010-HM6-0525-835-61-MD-H	RECESSED	≈ 1500 LM LED 3500K	19 VA	UNIVERSAL
RBE	SAME AS 'RB' ABOVE EXCEPT PROVIDED WITH EMERGENCY BATTERY BACKUP, INTEGRAL TEST SWITCH.	ACUITY # LDN6-AL02-SWW1-L06-AR-MVOLT-UGZ-EL WILLIAMS # 6DR-L20-8-35-EM/10W/ITS-DIM-UNV/O-W-OF-CS-TD/N-F1 HALO-COMMERCIAL # HC6-15-D010-IEM7-HM6-0525-835-61-MD-H	RECESSED	≈ 1500 LM LED 3500K	19 VA	UNIVERSAL
RLE	8" DIA. RECESSED LED CAN LIGHT, SELF-FLANGED WITH CLEAR SEMI-SPECULAR FINISH AND 0-10V DIMMING DRIVER. SPEC GRADE. WITH EMERGENCY BATTERY BACK UP	LITHONIA # LDN8-AL03-SWW1-L08-AR-LSS-MVOLT-E10CP WILLIAMS # 8DR-L20-80-DIM-120V-0-M-CS-MWT-N PRESCOLITE # LBRST 8RD-M-LS-CS9-WH	RECESSED	≈ 2000 LM LED 3500K	40 VA	UNIVERSAL
TN	RECESSED 2X4, FLAT PANEL LED TROFFER WITH UV-STABILIZED FROSTED LENS, STEEL FRAME, WHITE FINISH, 0-10V DIMMING DRIVER, AND SELECTABLE LUMEN OUTPUT SWITCH.	ORACLE # 24-FPL1-LED-ML-4000L-DIM10-MVOLT-35K-85 ACUITY # CPX-2X4-AL08-SWW7-M2 METALUX # 24FPSL2SCT3-35K-MEDIUM	RECESSED	≈ 4000 LM LED 3500K	40 VA	UNIVERSAL
TNE	SAME AS 'TN' ABOVE EXCEPT PROVIDED WITH EMERGENCY BATTERY BACKUP.	ORACLE # 24-FPL1-LED-ML-4000L-DIM10-MVOLT-35K-85-EMG-LED ACUITY # CPX-2X4-AL08-80-CRI-SWW7-SWL-MVOLT-E10WLCP METALUX # 24FPSL2SCT3-EL10W-35K-MEDIUM	RECESSED	≈ 4000 LM LED 3500K	40 VA	UNIVERSAL
TZ	RECESSED 2X4, DIRECT, LED TROFFER WITH FROSTED ACRYLIC CONTOURED LENS, CENTER BASKET, STEEL BODY, WHITE FINISH, PAINT AFTER FABRICATION. 0-10V DIMMING DRIVER.	ACUITY # STAK-2X4-AL06-SWW7 WILLIAMS # LT-24-L52/835-AF-(L43)-DIM-UNV METALUX # 24CZ2-4S-S-UNV-PAF-L835-HCD1-U	RECESSED	≈ 4300 LM LED 3500K	36 VA	UNIVERSAL
TZE	SAME AS 'TZ' EXCEPT WITH EMERGENCY BATTERY BACKUP	ACUITY # STAK-2X4-AL06-SWW7-IE10WCP WILLIAMS # LT-24-L52/835-AF-(L43)-DIM-UNV-EM/10W METALUX # 24CZ2-4S-S-UNV-PAF-EL10W-L835-HCD1-U	RECESSED	≈ 4300 LM LED 3500K	36 VA	UNIVERSAL
WA	4', LED WALL MOUNTED LINEAR FIXTURE, UP/DOWN LIGHT, 20 GAUGE STEEL BODY, FROSTED ACRYLIC LENSES, TEXTURED MATTE WHITE FINISH.	WILLIAMS # WMA-4-L65/835-AF-DIM-UNV OR APPROVED EQUAL		6500 LUMEN LED UP/DOWN 3500K	81 VA	UNIVERSAL
WS	EXTERIOR WALL SCONCE	$3,000 ALLOWANCE			22 VA	

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SOUTH CAROLINA — BURDETTE ENGINEERING, INC. — No. C00495 — CERTIFICATE OF AUTHORIZATION

STATE OF SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — No. 15549 — 8/29/25 — LARRY C. MANAFEE

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PANEL	MDP					CABINET	SURFACE				TYPE	SQUARE D NQ		
VOLTAGE	208Y/120V	PHASE	3	WIRES	4	FEEDER	BOTTOM				MAINS	600 A MCB		

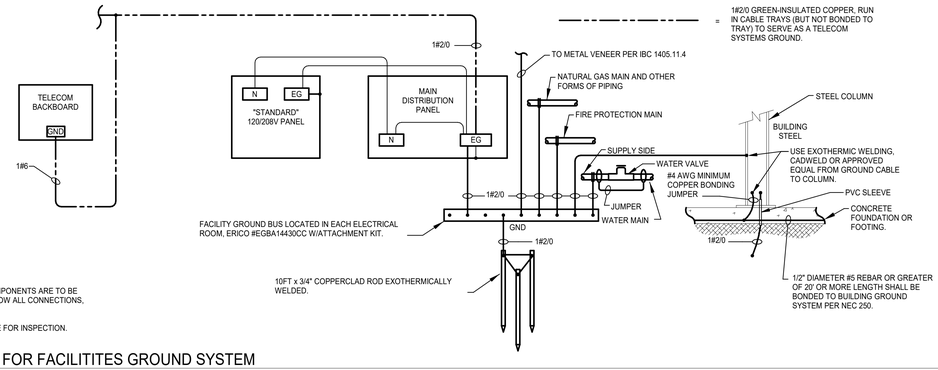
DEVICE			BRANCH CIRCUIT		PHASE LOAD (VOLT-AMPS)						BRANCH CIRCUIT			DEVICE	
AMPS TRIP	POLES	NOTES	DESIGNATION	No.	ØA		ØB		ØC		No.	DESIGNATION	NOTES	POLES	AMPS TRIP
30 A	3		AHU-1	1	3610	5415					2				
				3			3610	5415			4	AHU-2		3	45 A
				5					3610	5415	6				
45 A	3		AHU-3	7	5415	5415					8				
				9			5415	5415			10	AHU-4		3	45 A
				11					5415	5415	12				
30 A	3		HP-1	13	2178	4056					14				
				15			2178	4056			16	HP-2		2	60 A
				17					2178	--	18	PREPARED SPACE		1	--
35 A	3		HP-3	19	2743	2743					20				
				21			2743	2743			22	HP-4		3	35 A
				23					2743	2743	24				
20 A	2		WH-1	25	1500	1125					26				
				27			1500	1125			28	EH-1		2	15 A
20 A	2		IU-1/CU-1	29					1664	--	30				
				31	1664	--					32	PREPARED SPACE		3	--
--	1		PREPARED SPACE	33			--	--			34				
--	1		PREPARED SPACE	35					--	--	36	PREPARED SPACE		1	--
30 A	3		160KA INTEGRALSPD	37	0	9434					38				
				39			0	10644			40	PANEL 'LP'		3	150 A
				41					0	10024	42				
INTEGRATED EQUIPMENT RATING	22KAIC				45.3 kVA		44.8 kVA		39.2 kVA		PANELBOARD LOAD TOTAL			129.3 kVA	

PANEL	LP					CABINET	SURFACE				TYPE	SQUARE D NQ		
VOLTAGE	208Y/120V	PHASE	3	WIRES	4	FEEDER					MAINS	150 A MLO		

DEVICE			BRANCH CIRCUIT		PHASE LOAD (VOLT-AMPS)						BRANCH CIRCUIT			DEVICE	
AMPS TRIP	POLES	NOTES	DESIGNATION	No.	ØA		ØB		ØC		No.	DESIGNATION	NOTES	POLES	AMPS TRIP
20 A	1		L-ADMIN/LOBBY	1	925	360					2	R-IT		1	20 A
20 A	1		L-ADULT AREA	3			1084	360			4	R-IT		1	20 A
20 A	1		L-MAIN AREA	5					918	1260	6	R.-ELEC/ADULT BOOK		1	20 A
20 A	1		L-EXTERIOR	7	854	1440					8	R.-STAFF WRKRM(OFF110		1	20 A
20 A	1		R-COFFEE	9			800	1000			10	R.-STAFF WRKRM (COPIER)		1	20 A
20 A	1		L- CHILDREN AREA	11					1126	900	12	R.-(3) TLT & STOR 108		1	20 A
20 A	1		SPARE	13	0	900					14	R.-KITCHEN-FRIDGE		1	20 A
20 A	1		SPARE	15			0	1200			16	R.-KITCHEN-MICROWAVE		1	20 A
20 A	1		SPARE	17					0	900	18	R.-KITCHEN-DISPOSAL		1	20 A
20 A	1		SPARE	19	0	360					20	R.-KITCHEN-COUNTERTOP		1	20 A
20 A	1		SPARE	21			0	500			22	R.-KITCHEN-WARMING		1	20 A
20 A	1		SPARE	23					0	500	24	R.-KITCHEN-WARMING		1	20 A
20 A	1		SPARE	25	0	500					26	DOORS		1	20 A
20 A	1		SPARE	27			0	800			28	R.-ADULT FLOOR		1	20 A
20 A	1		SPARE	29					0	1600	30	R.-ADULT FLOOR		1	20 A
20 A	1		SPARE	31	0	1600					32	R.-ADULT FLOOR		1	20 A
20 A	1		SPARE	33			0	540			34	R.-SEARCH CATALOGS		1	20 A
20 A	1		SPARE	35					0	1130	36	R.-CHILDREN SECTION		1	20 A
20 A	1		SPARE	37	0	1080					38	ADULT SECTION		1	20 A
20 A	1		SPARE	39			0	360			40	R.-OUTSIDE HVAC		1	20 A
20 A	1		SPARE	41					0	0	42	SPARE		1	20 A
20 A	1		SPARE	43	0	0					44	SPARE		1	20 A
20 A	1		R.-LOBBY	45			900	1600			46	R.-EXTERIOR		1	20 A
20 A	1		R.-MEETING RM	47					1080	230	48	JANITOR, EF-4		1	20 A
20 A	1		R.-MEETING RM	49	720	720					50	R.- RECEPTION		1	20 A
20 A	1		R.-INFO (PRINTER)	51			1000	500			52	FIRE ALARM		1	20 A
20 A	1		R.-CHILDREN FLOOR	53					180	200	54	SECURITY PANEL		1	20 A
INTEGRATED EQUIPMENT RATING	22KAIC				9.4 kVA		10.6 kVA		10.0 kVA		PANELBOARD LOAD TOTAL			30.1 kVA	

PANEL SCHEDULE NOTES

1. PROVIDE BREAKER WITH RED LOCKING ACCESSORY, WITH "FIRE ALARM" LABEL, IN ACCORDANCE WITH NFPA 72, 10.6.5.2 AND 10.6.5.4.
2. GFCI TYPE BREAKER.



NOTES:

1. THIS IS INTENDED TO SHOW HOW VARIOUS COMPONENTS ARE TO BE GROUNDED. DIAGRAM IS NOT INTENDED TO SHOW ALL CONNECTIONS, CONDUCTOR SIZES, ETC.
2. ALL EXOTHERMIC WELDS SHALL BE ACCESSIBLE FOR INSPECTION.

1 TYPICAL CONNECTIONS FOR FACILITITES GROUND SYSTEM
NTS

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REGISTERED PROFESSIONAL ENGINEER LARRY C. MANAFEE No. 15549 3/29/25

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ELECTRICAL DETAILS AND SCHEDULES

E003

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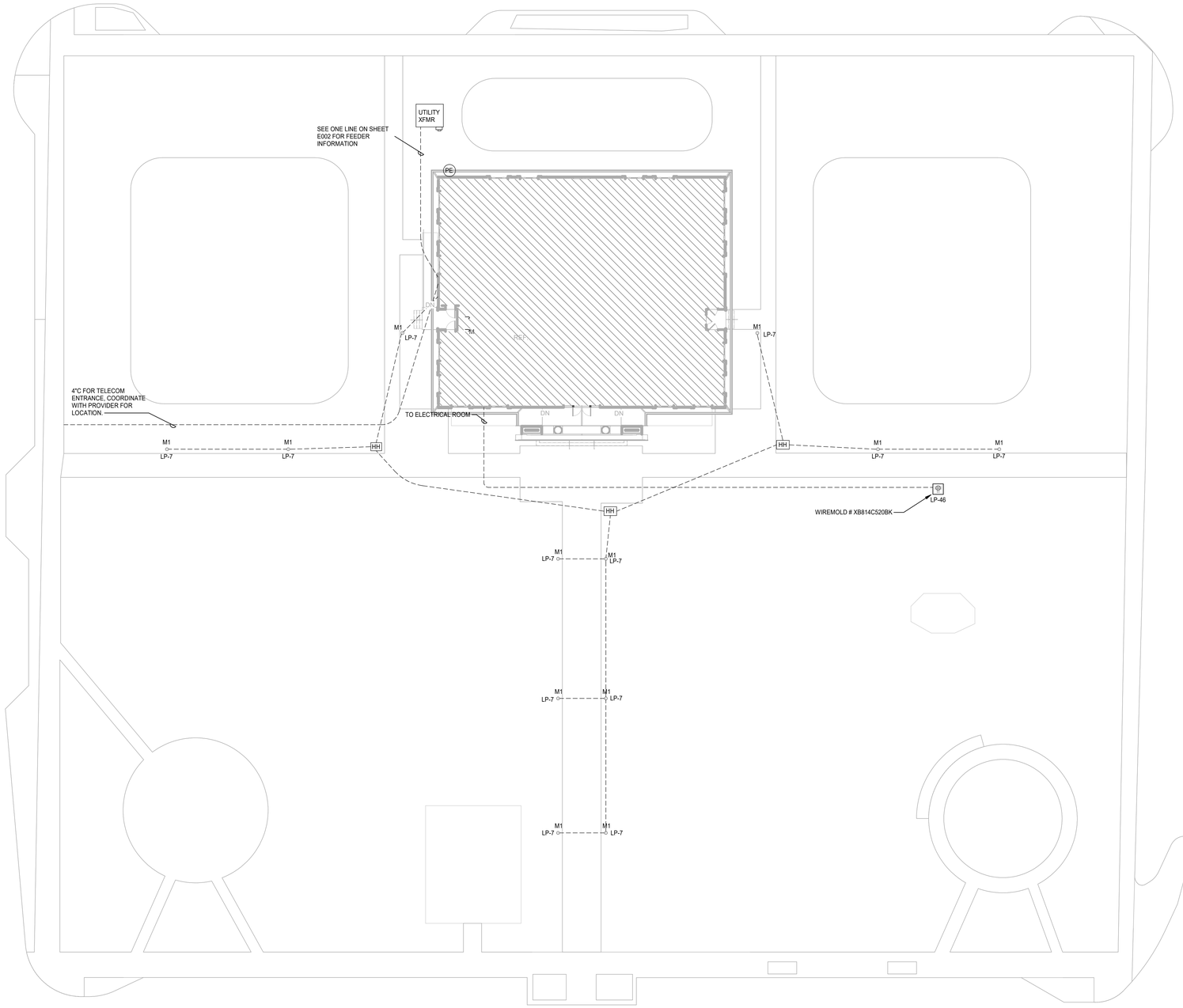
GENERAL SHEET NOTES

ALL UNDERGROUND CONDUIT SHOWN SHALL BE 1".



1 ELECTRICAL SITE PLAN
1/16" = 1'-0"

16 0 16 32 48

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ELECTRICAL SITE PLAN

E101

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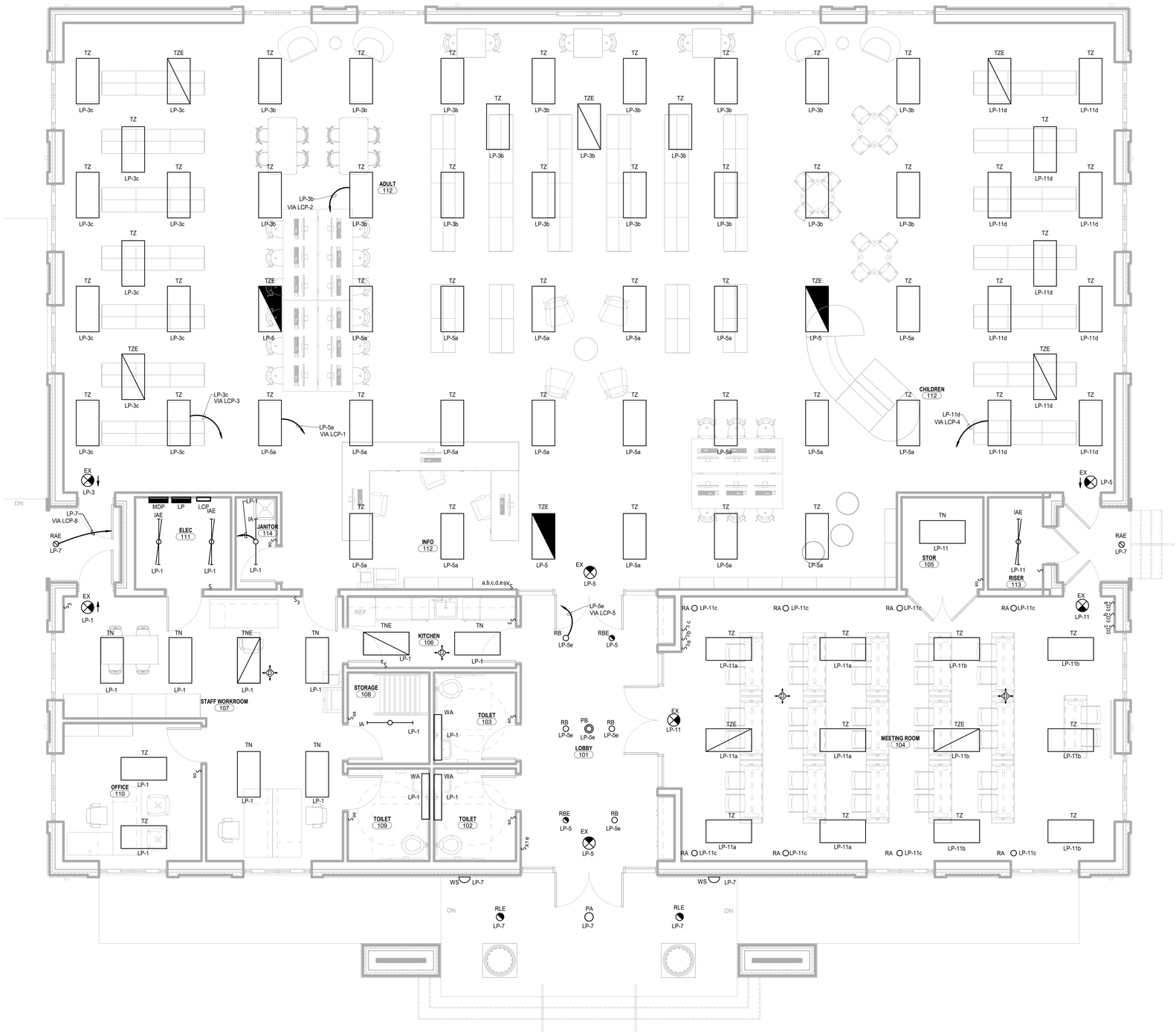

1 ELECTRICAL LIGHTING PLAN
1/4" = 1'-0"

4 0 4 8 12

GENERAL SHEET NOTES

1. CONTRACTOR SHALL VERIFY LOADS OF ALL CIRCUITS AND SHALL ENSURE THAT CIRCUIT LOADS DO NOT EXCEED CODE LIMITS. CONTRACTOR SHALL LABEL ALL DEVICES WITH THE CURRENT PANEL AND CIRCUIT NUMBER ON THE RECORD DRAWINGS IF CHANGED DURING CONSTRUCTION.
2. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED FIXTURES AND DEVICES.
3. EXTERIOR LIGHTS SHALL BE CONTROLLED BY PHOTOCELL MOUNTED ON THE BUILDING AT THE HIGHEST POSSIBLE POINT FACING NORTH.
4. SEE SHEET E-002 FOR LIGHTING CONTROL PANEL RISER AND SCHEDULES.
5. POWER PACKS, ROOM CONTROLLERS, AND LOW VOLTAGE CABLES FOR LIGHTING CONTROLS (SUCH AS LOW VOLTAGE OCCUPANCY SENSORS AND 0-10V DIMMERS) ARE NOT SHOWN ON THIS PLAN. SEE SYMBOL LEGEND ON DRAWING E001 AND DETAILS 5/E002 AND 6/E002.

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ELECTRICAL LIGHTING PLAN

E201

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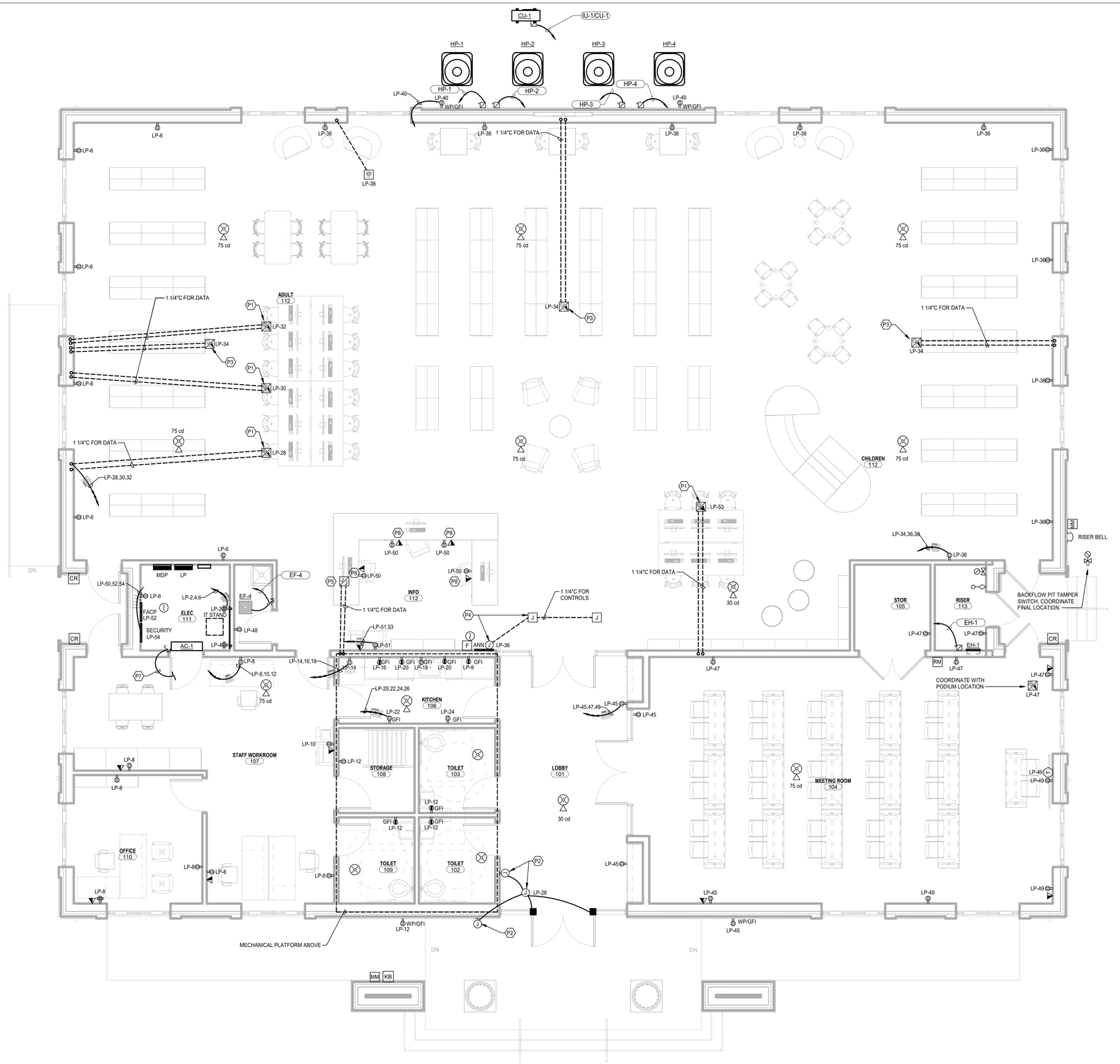
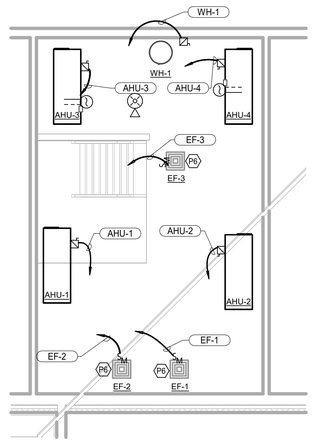


1 ELECTRICAL POWER PLAN
1/4" = 1'-0"



2 ELECTRICAL POWER PLAN - MECH PLATFORM
1/4" = 1'-0"

GENERAL SHEET NOTES

1. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES.
2. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT.

POWER PLAN KEYNOTES

P1. CONNECT TO FURNISHED MODULAR DESK POWER

P2. ADA PUSH TO OPEN DOOR SWITCH, SWITCH SHALL OPEN BOTH DOORS UPON ACTIVATION. 120V POWER SUPPLY TO SYSTEM PER MANUFACTURER'S REQUIREMENTS. MOUNT SWITCH AT 40" ABOVE FINISHED FLOOR.

P3. ELECTRICAL CONNECTION TO ONLINE SEARCH CATALOG PODIUMS.

P4. ELECTRICAL CONNECTION TO ANTI-THEFT SENSORY EQUIPMENT. VERIFY REQUIRED CONNECTIONS PER MANUFACTURER PRIOR TO INSTALLING UNDERGROUND RACEWAY.

P5. PROVIDE POWER AND DATA CONDUIT TO ISLAND RECEPTION. CONCEAL RACEWAY IN DESK AS APPLICABLE.

P6. EXHAUST FAN OPERATION SHALL BE OPERATED VIA ROOM LIGHT SWITCH.

P7. POWER FOR INDOOR UNIT IS FED FROM OUTDOOR UNIT CU-1 WITH 3#12, 1#12; 3/4"C.

P8. COORDINATE EXACT LOCATION OF DATA AND POWER RECEPTACLES WITH DESK MANUFACTURER PRIOR TO INSTALLATION.

EQUIPMENT SCHEDULE

EQUIPMENT TAG	VOLTS/PHASE	AMPS	LOAD	CIRCUIT	WIRE/CONDUIT	DISCONNECT
AIR HANDLER						
AHU-1	208V/3PH	30 A	10,830 VA	MDP-1,3,5	3#10, 1#10G;3/4" C	30/FU/3P
AHU-2	208V/3PH	45 A	16,245 VA	MDP-2,4,6	3#6, 1#10G;3/4"C	60/FU/3P
AHU-3	208V/3PH	45 A	16,245 VA	MDP-7,9,11	3#6, 1#10G;3/4"C	60/FU/3P
AHU-4	208V/3PH	45 A	16,245 VA	MDP-8,10,12	3#6, 1#10G;3/4"C	60/FU/3P
ELECTRIC HEAT						
EH-1	208V/1PH	-	2,250 VA	MDP-26,28	2#12, 1#12; 3/4" C	30/NF/2P
EXHAUST FAN						
EF-1	120V/1PH	-	50 VA	LP-1	2#12, 1#12; 3/4" C	SM
EF-2	120V/1PH	-	50 VA	LP-1	2#12, 1#12; 3/4" C	SM
EF-3	120V/1PH	-	50 VA	LP-1	2#12, 1#12; 3/4" C	SM
EF-4	120V/1PH	-	50 VA	LP-48	2#12, 1#12; 3/4" C	SM
HEAT PUMP						
HP-1	208V/3PH	18.1 A	6,534 VA	MDP-13,15,17	3#10, 1#10G;3/4" C	30/FU/3P/3R
HP-2	208V/1PH	39 A	8,112 VA	MDP-14,16	2#6, 1 #10G; 3/4"C	60/FU/2P/3R
HP-3	208V/3PH	22.8 A	8,230 VA	MDP-19,21,23	3#8, 1#10G;3/4" C	60/FU/3P/3R
HP-4	208V/3PH	22.8 A	8,230 VA	MDP-20,22,24	3#8, 1#10G;3/4" C	60/FU/3P/3R
SPLIT-SYSTEM						
IU-1/CU-1	208V/1PH	16	3,328 VA	MDP-29,31	2#12, 1#12; 3/4" C	30/FU/2P/3R
WATER HEATER						
WH-1	208V/1PH	-	3,000 VA	MDP-25,27	2#12, 1#12; 3/4" C	30/NF/2P

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ELECTRICAL POWER PLAN

E301

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