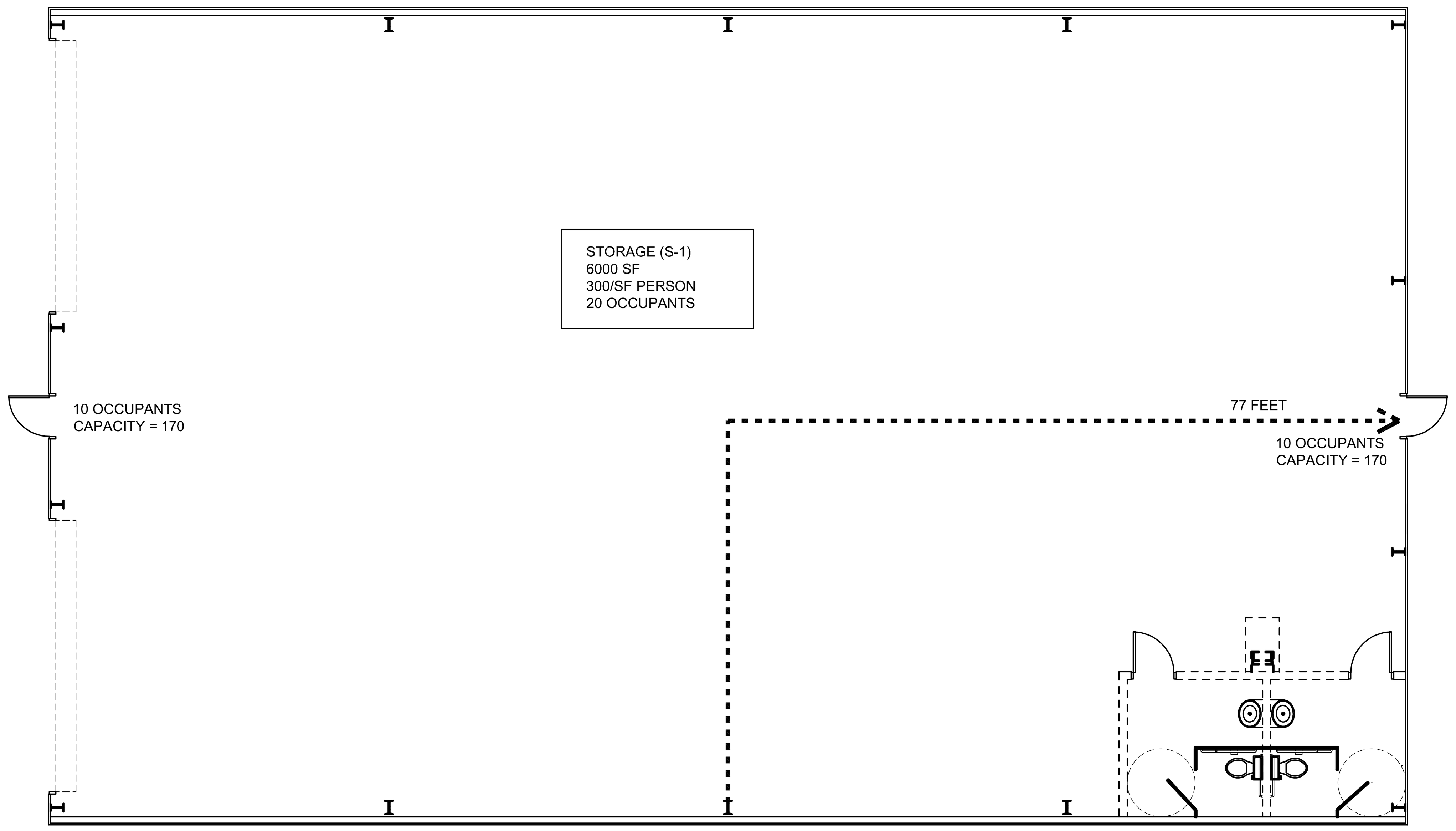

1 C100 **LIFE SAFETY PLAN**

1 / 8 " = 1'-0"

DRAWING INDEX

DRY STORAGE BUILDING

PIEDMONT TECHNICAL COLLEGE

Greenwood, SC

H59-N309-TM

BID DOCUMENTS

CRAIG GAULDEN DAVIS PBK

19 Washington Park
Greenville, SC 29601

Phone 864.242.0761
Fax 864.501.9945
E-mail cgd@cgdarch.com

STATE OF SOUTH CAROLINA — CRAIG, GAULDEN & DAVIS, INC. Greenville, SC B-74013 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — DAVID L. DIXON Greenville, SC 3944 — REGISTERED ARCHITECT 10/3/25

PROJECT

A NEW DRY STORAGE BUILDING

PIEDMONT TECHNICAL COLLEGE

OSE # H59-N309-TM
GREENWOOD, SC

MARK	DATE	DESCRIPTION

ISSUE:	BID DOCUMENTS
DATE:	11/25/25
PROJECT NO:	25010
DRAWN BY:	DLD
CHECKED BY:	DLD

COVER SHEET / LIFE SAFETY PLAN

C100

2021 Edition

TABLE 1 FLOOD HAZARD INFORMATION & FLOOD LOADS

FLOOD HAZARD AREA	
Flood Map Information: Flood Zone: Minimal Flood Hazard (Zone X); Community Number: 450094; Panel Number: 0159D	
Is the Project Site in a 100-Year Floodplain?	Yes ☐ No ☒
Base Flood Elevation (NGVD or FIRM)	N/A MSL
Design Flood Elevation (IBC 1612.3 and ASCE 24)	N/A MSL
NON-HIGH-VELOCITY WAVE ACTION	
Elevation of Lowest Proposed Floor (ASCE 24, Chapter 2)	N/A MSL
Dry floodproofing (ASCE 24)	Yes ☐ No ☐
HIGH-VELOCITY WAVE ACTION	
Elevation of bottom of Lowest Horizontal Structural Member of lowest floor	N/A MSL
Flotation resistant (ASCE 24)	Yes ☐ No ☐
Breakaway wall (ASCE 24)	Yes ☐ No ☐

IBC 1612 and SB-FOS, as applicable

2021 Edition

TABLE 2 SOILS & SITE

SOILS INVESTIGATION (If required - IBC 1803.2)	Yes ☒ No ☐
SOILS CLASSIFICATION	
Site Class (IBC 1613.2.2)	Seismic Site Class C
Classes Soil of Materials (UCS System) (IBC 1803.3.1)	ML, SP-SC, SC, SM, PWR
Allowable Footing Bearing Pressure	2500 psf
MINIMUM DESIGN SOIL BEARING LOAD (IBC Table 1806.2)	2000 psf
COMPACTION	
Subgrade:	95 Percent
Base:	98 Percent
Other:	95 Percent
MINIMUM DESIGN SOIL LATERAL LOAD (IBC 1610.1)	45 psf
FOOTINGS	
Undisturbed footings	Yes ☐ No ☒
Compacted Fill Material (IBC 1804.6)	Yes ☒ No ☐
ELEVATIONS	
Elevation of Water Table:	520 MSL
Elevation of lowest footing:	525 MSL
Elevation of lowest floor or basement:	531 MSL

2021 Edition

TABLE 2 SOILS & SITE

SOILS INVESTIGATION (If required - IBC 1803.2)	Yes ☒ No ☐
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ELEVATIONS	
Elevation of Water Table:	520 MSL
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Elevation of lowest floor or basement:	531 MSL

2021 Edition

NOTE: Where a fire wall is necessary to separate buildings, each building is to be provided individual code criteria Tables 3 through 11. See IBC 503.1.2.

TABLE 3 BASIC BUILDING CODE INFORMATION

CONSTRUCTION CLASSIFICATION (IBC 602)	Type II-B, NS
OCCUPANCY CLASSIFICATION (indicate all) (IBC 302 & 504.2)	S-Storage
MOST RESTRICTIVE OCCUPANCY CLASSIFICATION (IBC Tables 504.3, 504.4 & 506.2)	N/A
Mixed Occupancy (IBC 508)	Yes ☐ No ☒
Separated (IBC 508.2 & 508.4)	Yes ☐ No ☒
Non-separated (IBC 508.3)	Yes ☐ No ☒
Does building require Incidental Use Area Separation? (IBC 509.1)	Yes ☐ No ☒
2-way Communication Required (IBC 1009.6.5 & 1009.8)	Yes ☐ No ☒
Fire Apparatus Access and Water Use (IFC 503 & 507)	Yes ☐ No ☒
OTHER FIRE PROTECTION SYSTEMS, DEVICES or FEATURES	[illegible]

2021 Edition

TABLE 4 BUILDING HEIGHT & AREA

[illegible]

2021 Edition

TABLE 5 BUILDING DESIGN OCCUPANT LOAD

STORY	FUNCTION OF SPACE	FLOOR AREA (NSF or GSF)	MAX AREA ALLOWED PER OCCUPANT (NSF or GSF)	OCCUPANTS ON FLOOR FOR THIS FUNCTION	DESIGN OCCUPANT LOAD
1	Storage	6000	300	20	
	Subtotal Design Occupant Load for This Story				20
	TOTAL BUILDING DESIGN OCCUPANT LOAD				20

2021 Edition

TABLE 6 GENERAL FIRE PROTECTION REQUIREMENTS

[illegible]

2021 Edition

TABLE 7 FIRE RESISTANCE RATING OF BUILDING ELEMENTS

[illegible]

2021 Edition

TABLE 8 STRUCTURAL DESIGN INFORMATION

[illegible]

2021 Edition

TABLE 9 PLUMBING INFORMATION

[illegible]

2021 Edition

TABLE 10 MECHANICAL INFORMATION

[illegible]

2021 Edition

TABLE 11 - ELECTRICAL INFORMATION

[illegible]

PTC - DRY STORAGE BUILDING

PIEDMONT TECHNICAL COLLEGE
GREENWOOD, SOUTH CAROLINA

PROJECT SUMMARY

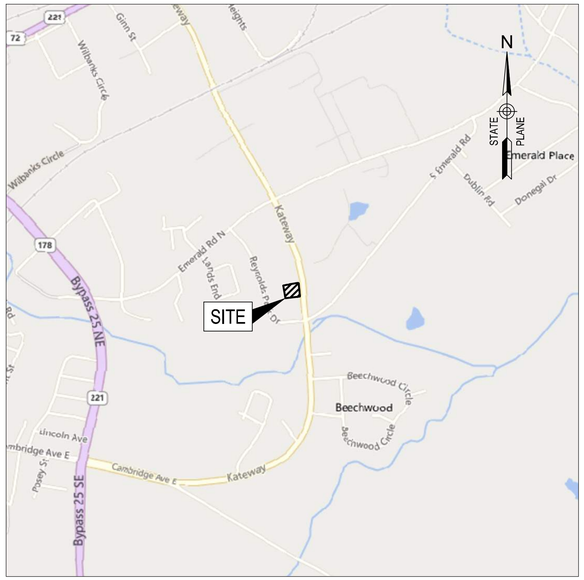
PROJECT NAME: PTC - DRY STORAGE BUILDING

PROJECT ADDRESS: 1924 KATEWAY, GREENWOOD, SOUTH CAROLINA

PROJECT DESCRIPTION:
THE PROPOSED PROJECT WILL INCLUDE A NEW 60' X 100' STORAGE BUILDING AND CONCRETE APRON.

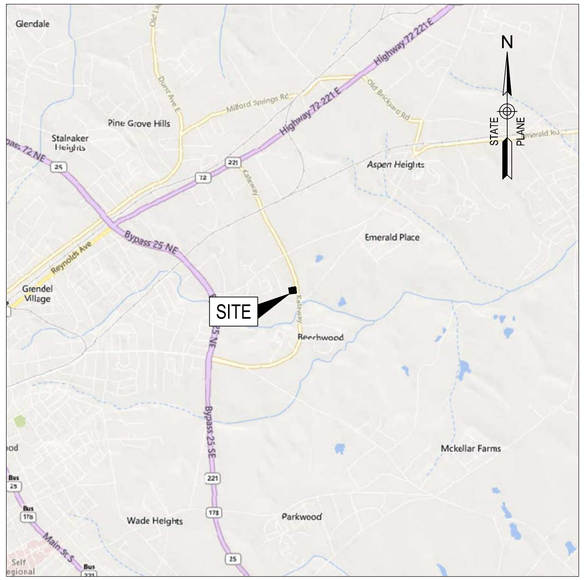
TAX MAP PARCEL INFORMATION:
TMS# 6866-083-513

SITE ACREAGE:
DISTURBED ACRES: 0.71 AC.



0 1000' 2000'
SCALE: 1" = 1000'

LOCATION MAP



0 2500' 5000'
SCALE: 1" = 2500'

VICINITY MAP

SHEET LIST TABLE

PAGE #	SHEET #	SHEET TITLE
1	C000	COVER
2	C001	GENERAL AND SWPPP NOTES
3	C100	EXISTING CONDITIONS AND DEMOLITION PLAN
4	C200	SITE AND GRADING PLAN
5	C820	SITE DETAILS (SHEET 1 OF 2)

UNDERGROUND FACILITIES

EXISTING UNDERGROUND FACILITIES AT THE SITE HAVE NOT BEEN INDIVIDUALLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE AND ARE APPROXIMATE ONLY. EXISTING UNDERGROUND FACILITIES ARE CONSIDERED TO BE ALL ACTIVE OR NOT-IN-SERVICE UNDERGROUND LINES, PIPELINES, CONDUITS, DUCTS, ENCASEMENTS, CABLES, WIRES, MANHOLES, VAULTS, TANKS, TUNNELS, OR OTHER SUCH FACILITIES OR SYSTEMS AT THE SITE, INCLUDING BUT NOT LIMITED TO THOSE FACILITIES OR SYSTEMS THAT PRODUCE, TRANSMIT, DISTRIBUTE, OR CONVEY TELEPHONE OR OTHER COMMUNICATIONS, CABLE TELEVISION, FIBER OPTIC TRANSMISSIONS, POWER, ELECTRICITY, LIGHT, HEAT, GASES, OIL, CRUDE OIL PRODUCTS, LIQUID PETROLEUM PRODUCTS, WATER, STEAM, WASTE, WASTEWATER, STORM WATER, OTHER LIQUIDS OR CHEMICALS, OR TRAFFIC OR OTHER CONTROL SYSTEMS. UNLESS IT IS OTHERWISE EXPRESSLY PROVIDED IN THE SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT, THE COST OF ALL OF THE FOLLOWING ARE INCLUDED IN THE CONTRACT PRICE, AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR:

1. REVIEWING AND CHECKING ALL INFORMATION AND DATA REGARDING EXISTING UNDERGROUND FACILITIES AT THE SITE;
2. COMPLYING WITH APPLICABLE STATE AND LOCAL UTILITY DAMAGE PREVENTION LAWS AND REGULATIONS;
3. VERIFYING THE ACTUAL LOCATION OF THOSE UNDERGROUND FACILITIES SHOWN OR INDICATED IN THE CONTRACT DOCUMENTS AS BEING WITHIN THE AREA AFFECTED BY THE WORK, BY EXPOSING SUCH UNDERGROUND FACILITIES DURING THE COURSE OF CONSTRUCTION;
4. COORDINATION OF THE WORK WITH THE FACILITY OWNERS (INCLUDING PROJECT OWNER) OF SUCH UNDERGROUND FACILITIES, DURING CONSTRUCTION;
5. THE SAFETY AND PROTECTION OF ALL EXISTING UNDERGROUND FACILITIES AT THE SITE AND REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK; AND
6. ANY AND ALL DAMAGE WHICH OCCURS DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE, PROTECT, AND PRESERVE ANY AND ALL UNDERGROUND FACILITIES.

ENGINEER CERTIFICATIONS

"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* AS AMENDED, PURSUANT TO *REGULATION 72-300* ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF *SCR100000*."

08/25/2025
DATE

SIGNATURE

DEVELOPER	CIVIL ENGINEER	SURVEYOR
PIEDMONT TECHNICAL COLLEGE 620 EMERALD ROAD NORTH GREENWOOD, SC 29648 PHONE	DAVIS & FLOYD, INC. JAMES D. COMPTON, P.E. 164 MILESTONE WAY GREENVILLE, SC 29615 (864)527-9800	DAVIS & FLOYD, INC. JEFFREY POOLE P.L.S. 1319 HIGHWAY 72/221 GREENWOOD, SC 29649 (864)229-5211

Know what's below.
Call before you dig.

SOUTH CAROLINA
DAVIS & FLOYD, INC
No. C00538
CERTIFICATE OF AUTHORIZATION

ISSUED FOR CONSTRUCTION

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 41152
08/25/2025
JAMES D. COMPTON

DAVIS & FLOYD
PLAN | DESIGN | ENGINEER
DAVISFLOYD.COM
CRAIG GAULDEN DAVIS
PBK

OWNER
PIEDMONT TECHNICAL COLLEGE
GREENWOOD, SOUTH CAROLINA
PROJECT TITLE
PTC -DRY STORAGE BUILDING

DRAWING TITLE
COVER

NO.	REVISIONS/ISSUES	RELEASED	CHECKED	DATE
1	BID DOCUMENTS		JDC	11/5/2025

JOB NO. 014341.00
DATE APRIL 2025
DESIGNED AMK
DRAWN AMK
CHECKED JDC
APPROVED JDC

C000

PAGE 1 OF 5

GRADING, AND DRAINAGE

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES AT ALL TIMES TO ENSURE THAT PUBLIC STREETS AND RIGHT-OF-WAYS ARE KEPT CLEAN OF MUD, DUST, OR DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY ADEQUATE WATERING OF THE SITE BY THE CONTRACTOR.
2. FOR GRADING, PAVING, AND DRAINAGE WORK LOCATED WITHIN SCDOT AND/OR PUBLIC RIGHTS-OF-WAY, ALL MATERIALS AND EQUIPMENT, UNLESS SPECIFICALLY STATED OTHERWISE HEREIN, SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION.
3. STRIP WORK LIMITS, REMOVING ALL ORGANIC MATTER WHICH CAN NOT BE COMPACTED INTO A STABLE MASS. ALL TREES, BRUSH AND DEBRIS ASSOCIATED WITH CLEARING, STRIPPING OR GRADING SHALL BE REMOVED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR. ANY TREES MARKED OR SUSPECTED OF BEING PROTECTED SHALL BE COORDINATED THROUGH THE OWNER, ENGINEER, AND THE LOCAL JURISDICTION PRIOR TO REMOVAL.
4. UNLESS SPECIFICALLY STATED OTHERWISE, ALL FILL SHALL BE APPROVED BY THE ENGINEER AND BE UNIFORMLY SPREAD IN MAXIMUM 8" THICK LOOSE LIFTS AND SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR) AND BE WITHIN 3% OF THE OPTIMUM MOISTURE CONTENT. ANY ROCK FRAGMENTS WITHIN THE NEW FILL SHOULD BE LESS THAN 2" IN DIAMETER.
5. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION TO GRADES THAT RESULT IN POSITIVE DRAINAGE TO THE EXISTING AND/OR NEW STORM DRAINAGE INLETS, UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT IN FILL. SEE "REPORT OF GEOTECHNICAL EXPLORATION - PIEDMONT TECHNICAL COLLEGE - DRY STORAGE BUILDING" BY GEOTRACK, DATED 04/08/2025.

SCDES STANDARD NOTES

1. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET, SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDRO-SEEDING. 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.
   - A. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
   - B. 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 PLACED, 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 PER THE ENVIRONMENTAL PLANS.
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. 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.
8. 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.
9. 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.
10. 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.
11. 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 SEVEN (7) CALENDAR DAYS.
12. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
13. 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.
14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
15. 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; AND
   - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
16. 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.
17. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE 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.
18. 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.

EXISTING UTILITIES AND FACILITIES

1. THE LOCATION AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE COMPILED FROM A COMBINATION OF AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND/OR DEPTHS AS NEEDED OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING POWER, GAS, AND COMMUNICATIONS LINES.
2. THE CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING PROPERTY AND STREET MONUMENTS PRIOR TO CONSTRUCTION. ANY MONUMENTS DISTURBED DURING CONSTRUCTION OF THE PROJECT SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL CALL PALMETTO UTILITY PROTECTION SERVICE (PUPS) AND ANY LOCAL UTILITY COMPANY NOT REPRESENTED BY PUPS A MINIMUM OF 72 HOURS PRIOR TO STARTING ANY PROPOSED WORK (811).
4. THE CONTRACTOR SHALL NOTIFY ALL APPLICABLE UTILITY AGENCY A MINIMUM 72 HOURS IN ADVANCE OF ANY EXCAVATION OR LAND DISTURBANCE NEAR EXISTING UTILITY LINES LOCATED ABOVE OR BELOW GROUND.
5. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL PROTECT AND MAINTAIN UTILITY SERVICES TO ALL EXISTING BUILDINGS AT ALL TIMES. IF THE CONTRACTOR REQUIRES AN INTERRUPTION TO ANY UTILITY SERVICE, THEY MUST NOTIFY THE EXISTING PROPERTY OWNER, THE APPLICABLE AGENCY, THE PROJECT OWNER, AND ENGINEER IN WRITING A MINIMUM OF 72 HOURS PRIOR TO THE DESIRED INTERRUPTION TO COORDINATE AND SCHEDULE TEMPORARY DISRUPTIONS AND RECONNECTION OF UTILITIES.
6. ALL UTILITY CROSSINGS SHALL BE POTHOLED PRIOR TO EXCAVATING OR BORING TO ALLOW THE CONTRACTOR TO PREVENT GRADE OR ALIGNMENT CONFLICTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATION WITHOUT DELAYING THE WORK. IF GRADE MODIFICATION IS NECESSARY, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER. THE DESIGN ENGINEER SHALL OBTAIN APPROVAL FROM THE OWNER AND UTILITY COMPANY HAVING JURISDICTION.
7. RELOCATION, REMOVAL, OR ABANDONMENT OF EXISTING UTILITIES OWNED/MAINTAINED BY OTHER AGENCIES (WATER, SEWER, GAS, POWER, COMMUNICATIONS, ETC.) SHALL BE COORDINATED BY THE CONTRACTOR.
8. ANY MODIFICATION TO UTILITY LAYOUT, MATERIALS, ETC. SHALL BE COORDINATED WITH AND APPROVED BY THE DESIGN ENGINEER AND APPLICABLE AGENCY PRIOR TO ORDERING MATERIALS OR MAKING ANY SUCH CHANGES.
9. INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF DEMOLISHED SERVICES AND ABANDONED UTILITIES.
10. ALL EXISTING FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE DEPICTED ON THE PLANS OR DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES NOT INDICATED TO BE REMOVED AT ALL TIMES DURING CONSTRUCTION. ALL EXISTING STRUCTURES, INCLUDING BUT NOT LIMITED TO SIGNS AND DRIVES DISTURBED DURING CONSTRUCTION THAT ARE NOT SHOWN TO BE PERMANENTLY DEMOLISHED SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER.
11. THE CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING SURFACE FEATURES (UNLESS INDICATED TO BE PERMANENTLY DEMOLISHED) NECESSARY FOR INSTALLATION / REMOVAL OR ALL UNDERGROUND AND ABOVE GROUND WORK AS INDICATED ON THESE PLANS AND IN THE SCOPE OF WORK. THIS SHALL INCLUDE BUT NOT BE LIMITED TO FENCES, CURB & GUTTER, LANDSCAPING, SIDEWALKS, AND PAVEMENT.
12. ANY PAVEMENT DAMAGED DURING CONSTRUCTION THAT IS NOT INDICATED TO BE PERMANENTLY DEMOLISHED SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER. ANY BROKEN PAVEMENT EDGES SHALL BE SAW-CUT SMOOTH AND THE PAVEMENT REPLACED TO MATCH EXISTING GRADES.
13. DRAINAGE PIPES DESTROYED DURING CONSTRUCTION (WHICH ARE NOT INDICATED TO BE PERMANENTLY DEMOLISHED) ARE TO BE REPLACED AT A MINIMUM WITH NEW CLASS III - WALL B REINFORCED CONCRETE PIPE COMPLYING WITH ASTM C76, OR WITH OTHER OWNER APPROVED EQUIVALENT PIPE MATERIAL. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH INSTANCES TO ENSURE MATERIAL COMPATIBILITY WITH THE EXISTING SOIL CONDITIONS FOR THIS SITE.
14. ANY TYPES OF WELLS, TANKS, PIPES, STRUCTURES ETC., ENCOUNTERED SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER. IN THE EVENT CONTAMINATED OR HAZARDOUS MATERIAL IS ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE OWNER AND ENGINEER IMMEDIATELY.

GENERAL CONSTRUCTION NOTES

1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, LOCAL AND OTHER APPLICABLE AGENCY REGULATIONS.
2. CONTRACTOR SHALL HOLD ALL PERMITS IN HAND PRIOR TO COMMENCEMENT OF WORK.
3. THE CONTRACTOR MUST ACQUIRE COPIES OF ALL REQUIRED PERMITS, STAMPED APPROVED AGENCY PLANS, OS-SWPPP, AND OTHER SUCH REQUIRED DOCUMENTS TO KEEP ONSITE THROUGHOUT CONSTRUCTION FOR AGENCY INSPECTORS, THE OWNER, AND OTHER AUTHORIZED OFFICIALS.
4. CONTRACTOR SHALL PROVIDE ALL BONDS AND INSURANCE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, COMPLIANCE WITH OSHA REQUIREMENTS, SCOPE OF WORK, AND COMPLIANCE WITH ALL NECESSARY PERMITS.
6. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINES, GRADES AND CONSTRUCTION STAKING FOR THE PROJECT.
8. THE CONTRACTOR SHALL ADVISE THE ENGINEER IF EXISTING GRADES THAT ARE TO REMAIN ARE IN CONFLICT WITH PROPOSED WORK, CAUSING LIMITATIONS IN DRAINAGE PERFORMANCE OR SIGNIFICANT CHANGES IN CONSTRUCTION LIMITS DEFINED WITH CUT OR FILL LIMITS AND SPECIFICALLY THAT WORK WHICH MAY RESULT IN ANY CONSTRUCTION TAKING PLACE OUTSIDE OF PROPOSED CONSTRUCTION LIMITS.
9. THE CONTRACTOR SHALL NOTIFY AGENCIES HAVING JURISDICTION AS NECESSARY OF THE ANTICIPATED SCHEDULE FOR INSPECTIONS PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN THEIR OWN TEMPORARY RESTROOM FACILITIES ONSITE FOR WORK CREW USE.
11. ALL EXISTING ROADS SHOWN ON THE PLANS ARE PAVED UNLESS OTHERWISE NOTED.
12. THE CONTRACTOR SHALL PROTECT AND/OR RESTORE ANY CONTRACTOR RELATED IMPROVEMENTS OR DAMAGE ON THE OWNER'S PROPERTY, EASEMENTS, OR ANY ADJOINING PROPERTIES TO MEET OR EXCEED EXISTING CONDITIONS.
13. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE NPDES PERMIT AND GUIDELINES OF THE SCDES BMP HANDBOOK DURING THE ENTIRE CONSTRUCTION PERIOD. SEDIMENT AND EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL INCLUDE, BUT NOT BE LIMITED TO, SILT FENCES, BERMS, INLET PROTECTION, ETC. AS NEEDED OR AS DIRECTED BY THE ENGINEER.
14. CLEAR AND GRUB WITHIN WORK LIMITS FOR ALL SURFACE VEGETATION, TREES, STUMPS, BRUSH, ROOTS, ETC. DO NOT DAMAGE OR REMOVE SIGNIFICANT TREES EXCEPT AS SHOWN ON THE DRAWINGS.
15. DISPOSAL OF EXCESS EXCAVATED MATERIALS OFF-SITE AND HAULING OF FILL MATERIALS REQUIRED FOR CONSTRUCTION SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR.
16. WHERE ROADWAY DITCHES AND DRAINAGE PIPES ARE DAMAGED OR DISTURBED, THE CONTRACTOR SHALL RE-LAY DRAINAGE PIPE TO ORIGINAL INVERT ELEVATIONS AND RE-GRADE DITCHES TO ESTABLISH POSITIVE DRAINAGE.
17. AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH GRASS, SOD, MULCH, ETC. PER PLANS AND DETAILS, OR AT THE DIRECTION OF THE ENGINEER AS MAY BE APPLICABLE.

DEMOLITION NOTES:

1. REMOVE AND TRANSPORT DEBRIS AND DEMOLITION MATERIALS FROM THE PROJECT SITE IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES / AREAS AND DISPOSE OF PROPERLY.
2. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON SITE.
3. KEEP ADJACENT SURFACES FREE OF DUST, DIRT AND DEBRIS CAUSED BY DEMOLITION. RETURN ADJACENT AREAS TO THE CONDITION EXISTING BEFORE DEMOLITION.
4. NO BURNING SHALL BE ALLOWED ON THE PROEJCT.

GENERAL SEDIMENT AND EROSION CONTROL NOTES

1. THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE INITIAL LAND DISTURBANCE PHASE.
   - THE CONSTRUCTION ENTRANCE(S) SHALL BE PLACED AS SHOWN ON THE PLANS.
   - IMMEDIATELY AFTER THE ESTABLISHMENT OF THE CONSTRUCTION ENTRANCE(S), ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE INITIAL LAND DISTURBANCE PHASE CONSTRUCTION PLANS.
   - SILT FENCE, AS INDICATED, SHALL BE INSTALLED AT THE PERIMETER OF THE LAND DISTURBANCE. THE SILT FENCE SHALL BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR, OR OWNER'S REPRESENTATIVE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHALL BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF FENCING SHALL BE REPAIRED IMMEDIATELY.
   - INLET PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM DRAINAGE STRUCTURES AS INDICATED.
   - SEDIMENT TUBES SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS INDICATED.
   - CONTRACTOR SHALL PERFORM DEWATERING WITH APPROPRIATE BMP'S IN A MANNER THAT MEETS LOCAL AND STATE REGULATIONS WITH REGARD TO DISPOSAL PATH.
   - TEMPORARY DIVERSION DITCHES SHALL BE INSTALLED TO DIRECT FLOW TO TRAP UNTIL ROUGH GRADING RE-DIRECTS FLOWS TO FINAL DESIGN PATH.
   - NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE.
   - TEMPORARY SEEDING SHALL BE INSTALLED ON ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE CEASING.
   - SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS.
2. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH RAIN EVENT AND AT THE END OF EACH WORKING DAY. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF THE SEDIMENT ACCUMULATION HAS REACHED 1/2 HEIGHT OR THE CAPACITY OF THE DEVICE, AS APPLICABLE.
3. THE CONSTRUCTION ENTRANCE(S) SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PAVED AREAS. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO PAVED AREAS OR INTO STORM DRAINAGE SHALL BE IMMEDIATELY REMOVED.
4. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF EROSION CONTROL MEASURES INDICATED DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS DIRECTED BY THE SITE INSPECTOR OR OWNER'S REPRESENTATIVE.
5. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES.
6. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING TO LIMIT THE AMOUNT OF LAND STRIPPED OF ITS NATURAL COVER AND, THEREFORE, LIMIT DURATION OF EXPOSURE BEFORE STABILIZATION COVER IS ESTABLISHED.
7. SEDIMENT SHALL NOT BE WASHED INTO INLETS. ACCUMULATED SEDIMENT SHALL BE REMOVED AND RE-PLACED ON-SITE AND STABILIZED IN SUCH A MANNER THAT IT DOES NOT ACCUMULATE AGAIN.
8. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE REQUIRED FOR INSTALLATION HAS OCCURRED AND BEFORE ADJACENT CLEARING IS BEGUN. THE LOCATION OF SOME EROSION CONTROL DEVICES MAY NEED TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DEVIATE FROM THOSE PROPOSED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
9. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:1V IN ALL LOCATIONS UNLESS INFEASIBLE.
10. THE CONTRACTOR SHALL MAINTAIN ALL PONDS, SEDIMENT BASINS, AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE REMOVED FROM BASINS WHEN IT REACHES THE HALFWAY POINT ON THE RISER.
11. ALL ROADWAY AND PARKING SHOULDERS SHALL HAVE VEGETATIVE COVER ESTABLISHED AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.
12. UPON COMPLETION OF THE PROJECT AND AUTHORIZATION FROM THE AUTHORITY HAVING JURISDICTION, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND PROPERLY DISPOSE OF THEM UNLESS OTHERWISE NOTED.

SEQUENCE OF CONSTRUCTION

1. RECEIVE LETTER OF EXEMPTION FROM SCDES.
2. INSTALL CONSTRUCTION ENTRANCE(S) AND BEGIN MAINTENANCE OF SEDIMENT CONTROLS AS NECESSARY. CONTINUE MAINTENANCE UNTIL ALL FINAL STABILIZATION MEASURES ARE IN PLACE AND REMOVAL OF CONTROLS IS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
3. CLEAR AND GRUB FOR THE INSTALLATION OF PERIMETER CONTROLS.
4. INSTALL PERIMETER CONTROLS AND TREE PROTECTION AS APPLICABLE.
5. DEMOLISH AND REMOVE EXISTING STRUCTURES, HARDSCAPES, AND DEBRIS AS APPLICABLE.
6. CLEAR AND GRUB THE REMAINDER OF THE DISTURBED AREA.
7. COMPLETE GRADING.
8. CONSTRUCT PROPOSED BUILDING
9. COMPLETE SITE SURFACE IMPROVEMENTS INCLUDING CURBS, PAVEMENT, ETC.
10. ESTABLISH PERMANENT SOIL STABILIZATION.
11. REMOVE TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AFTER THE ENTIRE AREA FLOWING TO EACH MEASURE IS PERMANENTLY STABILIZED AND APPROVED BY THE ENGINEER AND THE AUTHORITY HAVING JURISDICTION.

DRAINAGE FACILITIES MAINTENANCE PLAN

1. TEMPORARY SEDIMENT CONTROLS:

   THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE INCLUDING BUT NOT NECESSARILY LIMITED TO:

   A. DURING CONSTRUCTION (UNTIL FINAL ACCEPTANCE BY THE AUTHORITIES HAVING JURISDICTION):
      1) DAILY:
         a) OBSERVING PAVED AREAS THAT ARE UTILIZED FOR SITE ACCESS TO LOOK FOR SIGNS OF SOIL BEING TRACKED FROM THE SITE AND TAKING CORRECTIVE ACTION AS NECESSARY
         b) CORRECTING ANY DAMAGE TO TEMPORARY SEDIMENT CONTROLS AS SOON AS POSSIBLE WHEN IT OCCURS.
      2) WEEKLY:
         a) INSPECTING TEMPORARY SEDIMENT CONTROLS FOR DAMAGE AND ACCUMULATED SEDIMENT. REMOVING SEDIMENT AND REPAIRING OR REPLACING DAMAGED TEMPORARY SEDIMENT CONTROLS AS NECESSARY.
         b) EVALUATING PERFORMANCE AND AMENDING, MODIFYING, IMPROVING, OR RELOCATING TEMPORARY SEDIMENT CONTROLS AS NECESSARY.
         c) LOGGING INSPECTION OBSERVATIONS, RECOMMENDATIONS, REPAIRS, RELOCATIONS, AMENDMENTS, AND IMPROVEMENTS AS NECESSARY
      3) BI-WEEKLY:
         a) EVALUATING SITE AND INSTALLING PERMANENT LANDSCAPING OR TEMPORARY SEEDING AS NECESSARY.

   B. AT COMPLETION OF CONSTRUCTION (UPON FINAL ACCEPTANCE BY AUTHORITIES HAVING JURISDICTION)
      1) REMOVING OF ALL TEMPORARY SEDIMENT CONTROLS.

ISSUED FOR CONSTRUCTION

DAVIS & FLOYD
PLAN | DESIGN | ENGINEER
DAVISFLOYD.COM

OWNER: PIEDMONT TECHNICAL COLLEGE

GREENWOOD, SOUTH CAROLINA

PROJECT TITLE: PTC -DRY STORAGE BUILDING

DRAWING TITLE: GENERAL AND SWPPP NOTES

NO.	RELEASED	CHECKED	DATE
1	BID DOCUMENTS	JDC	11/25/2025

JOB NO. 014341.00
DATE APRIL 2025
DESIGNED AMK
DRAWN AMK
CHECKED JDC
APPROVED JDC

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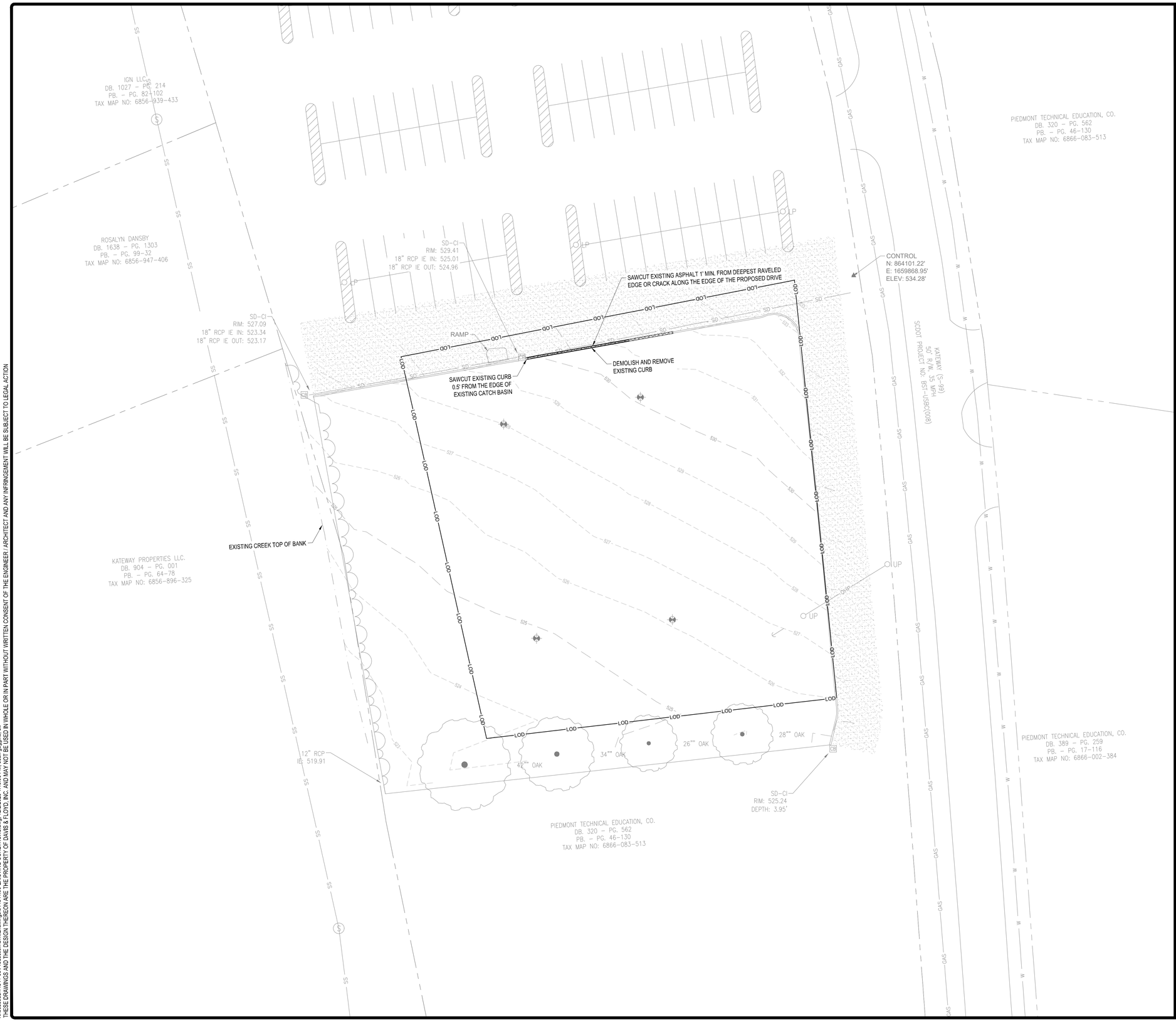
PAGE 2 OF 5



GENERAL LEGEND

PROPERTY LINE
LIMITS OF DISTURBANCE — LOD — LOD —
VEGETATION LINES
OVERHEAD ELECTRICAL LINES — OHP — OHP —
UTILITY POLE ○ UP
ASPHALT PAVEMENT
GUY ANCHOR ←
CALCULATED POINT △
SOIL BORING LOCATION ⊕

DEMOLITION LEGEND

ASPHALT TO BE REMOVED

EXISTING CONDITIONS AND DEMOLITION NOTES:

1. UTILITIES AS SHOWN ARE BASED ON APPARENT AND OBVIOUS SURVEYED UTILITY FEATURES, AND GREENWOOD COUNTY GIS MAPPING. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
2. SURVEY WAS PERFORMED BY DAVIS & FLOYD, INC.
3. ALL UTILITIES NOT SPECIFIED TO BE DEMOLISHED SHALL REMAIN UNDISTURBED.
4. PRIOR TO BEGINNING DEMOLITION, THE CONTRACTOR SHALL ENSURE THAT PHASE 1 SEDIMENT AND EROSION CONTROL MEASURES ARE INSTALLED (CONSTRUCTION ENTRANCE & PERIMETER SILT FENCE).
5. ALL DEMOLITION INCLUDES PROPER REMOVAL AND DISPOSAL OF MATERIAL BY CONTRACTOR.
6. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL STRUCTURES, PAVEMENT, VEGETATION, ETC. THAT IS NOT IDENTIFIED TO BE DEMOLISHED. CONTRACTOR SHALL REPAIR/REPLACE ANY DAMAGE CAUSED DURING CONSTRUCTION TO EXISTING CONDITIONS OR BETTER.
7. NO BURNING SHALL BE ALLOWED ON THE PROJECT SITE.

Know what's below. Call before you dig.

N
STATE PLANE
0 20' 40'
SCALE: 1" = 20'

PROJECT DATUM INFORMATION:
HORIZONTAL DATUM: SC83IF
VERTICAL DATUM: NAVD88

NOT A CERTIFICATION OF AUTHORITY
SOUTH CAROLINA
DAVIS & FLOYD, INC
No. C00538

ISSUED FOR CONSTRUCTION

NOT A CERTIFICATION OF AUTHORITY
SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 41152
08/29/2025
JAMES C. DAVIS, III

DAVIS & FLOYD
PLAN | DESIGN | ENGINEER
DAVISFLOYD.COM
CRAIG GAULDEN DAVIS
PBK

OWNER
PIEDMONT TECHNICAL COLLEGE
GREENWOOD, SOUTH CAROLINA
PROJECT TITLE
PTC -DRY STORAGE BUILDING

DRAWING TITLE
EXISTING CONDITIONS AND DEMOLITION PLAN

NO.	REVISIONS	DATE
1	RELEASED	12/5/2025

CHECKED JDC

JOB NO. 014341.00
DATE APRIL 2025
DESIGNED AMK
DRAWN AMK
CHECKED JDC
APPROVED JDC

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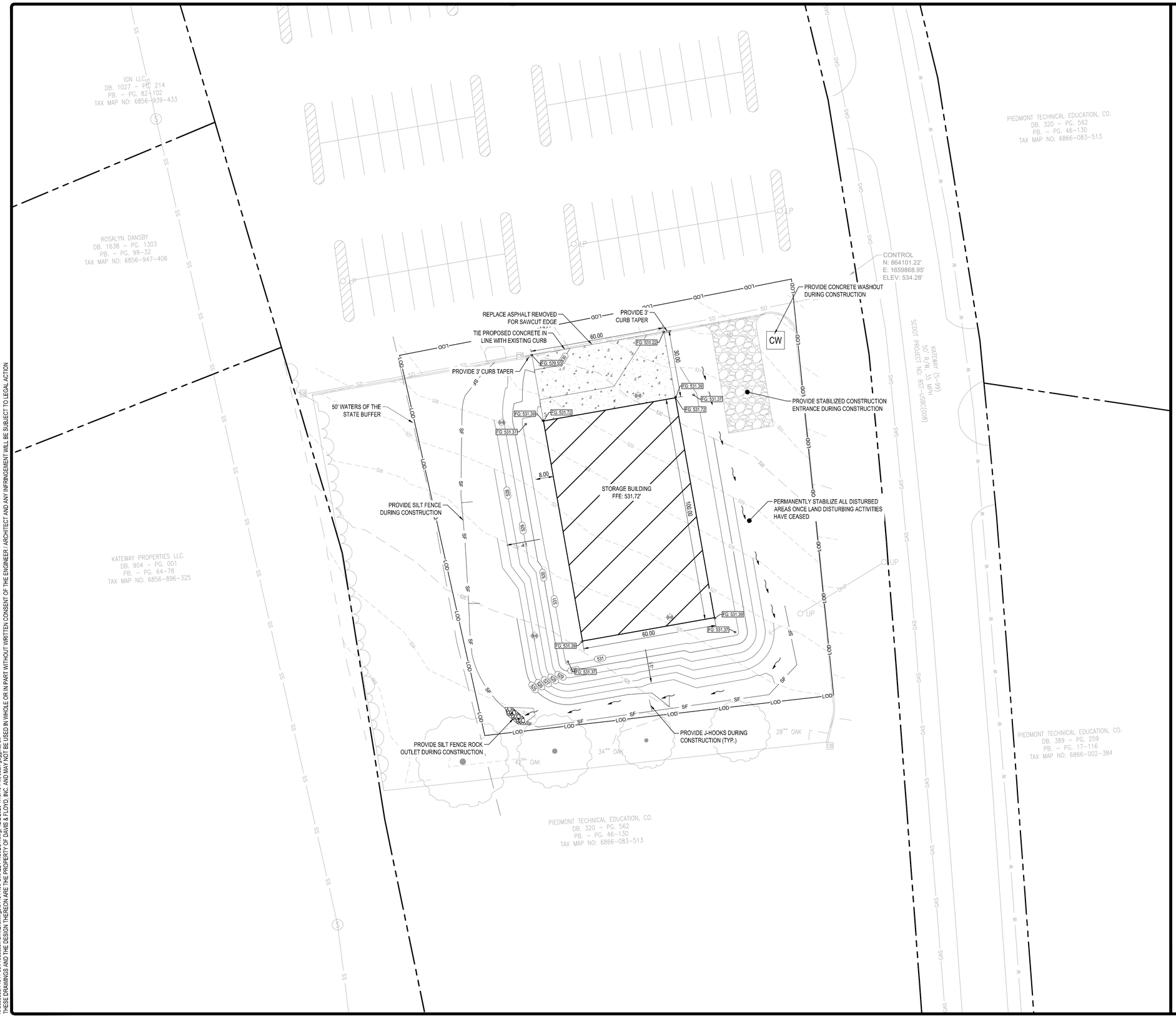
PAGE 3 OF 5



SITE AND GRADING LEGEND

PROPERTY LINE
SILT FENCE — SF
LIMITS OF DISTURBANCE — LOD
BUFFERS
ROCK OUTLET
STABILIZED CONSTRUCTION ENTRANCE
PROPOSED CONCRETE
CONCRETE WASHOUT — CW

SITE NOTES:

1. SEWER, GAS, AND WATER UTILITIES ARE APPROXIMATELY LOCATED BASED ON GREENWOOD COUNTY GIS.
2. SEE SHEETS C820-C821 FOR SITE DETAILS.
3. PROVIDE SPLASH BLOCK ON ALL DOWNSPOUTS.

Know what's below. Call before you dig.

N
STATE PLANE
0 20' 40'
SCALE: 1" = 20'

PROJECT DATUM INFORMATION:
HORIZONTAL DATUM: SC83IF
VERTICAL DATUM: NAVD88

NOT A CERTIFICATE OF AUTHORIZATION
SOUTH CAROLINA
DAVIS & FLOYD, INC
No. C00538
CERTIFICATE OF AUTHORIZATION

ISSUED FOR CONSTRUCTION

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PIEDMONT TECHNICAL COLLEGE
GREENWOOD, SOUTH CAROLINA
PROJECT TITLE
PTC -DRY STORAGE BUILDING

DRAWING TITLE
SITE AND GRADING PLAN

NO.	REVISIONS	DESIGNED	DRAWN	CHECKED	DATE
1	RELEASED	AMK	AMK	JDC	12/5/2025

JOB NO. 014341.00
DATE APRIL 2025
DESIGNED AMK
DRAWN AMK
CHECKED JDC
APPROVED JDC

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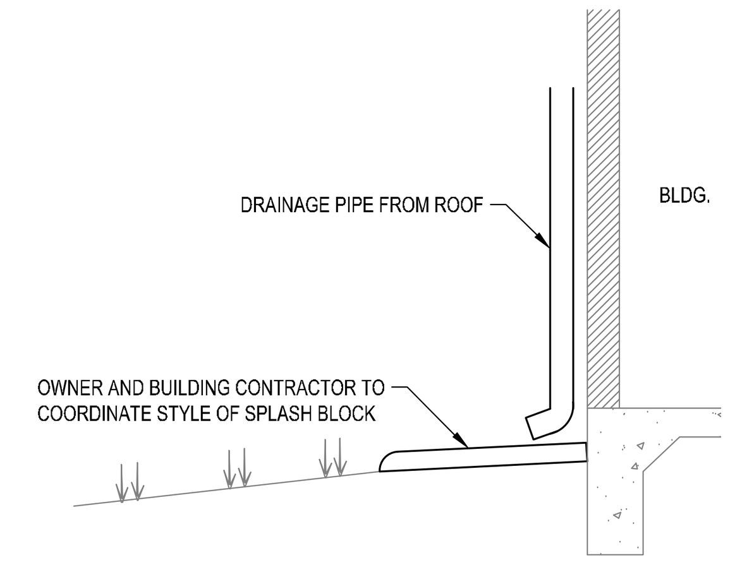
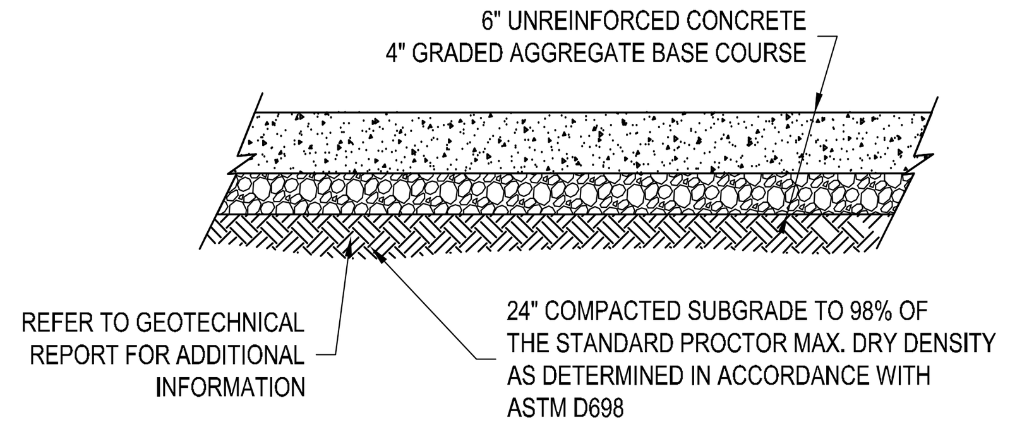
PAGE 4 OF 5



DOWNSPOUT WITH SPLASH BLOCK

NOT TO SCALE



CONCRETE PAVEMENT SECTION

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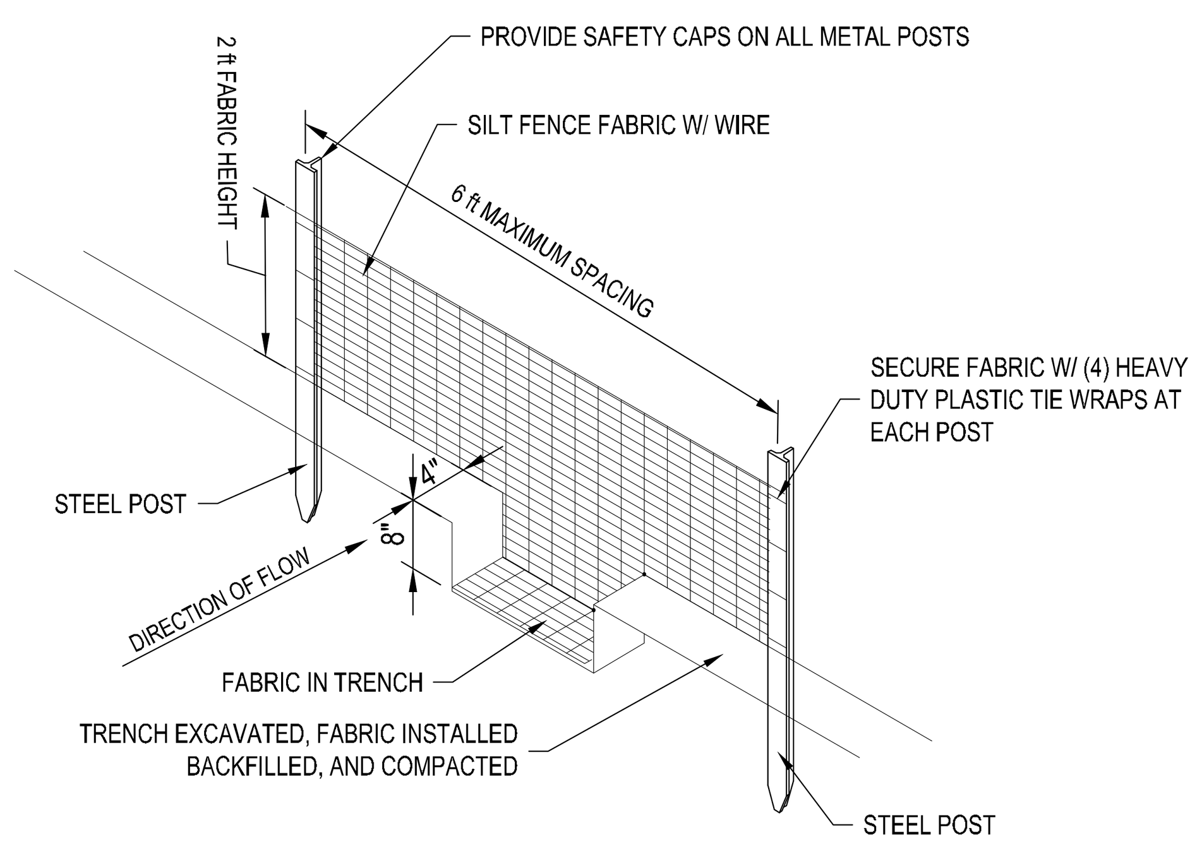
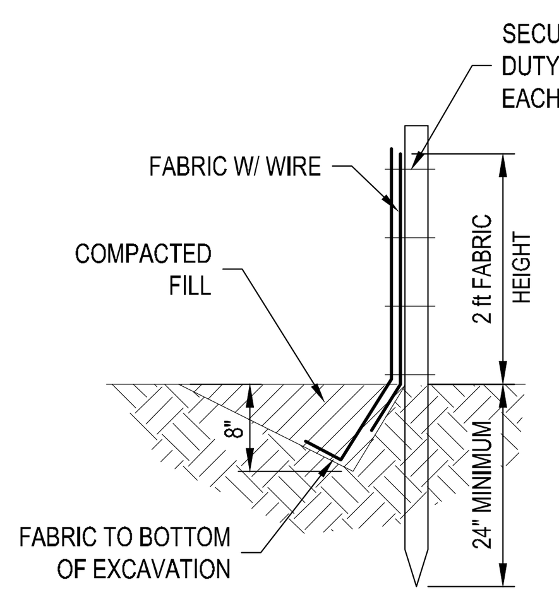
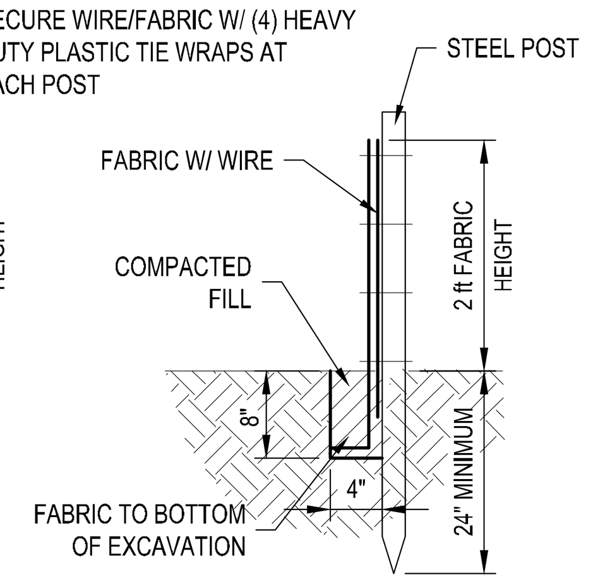




V-BOTTOM DITCH



FLAT BOTTOM DITCH

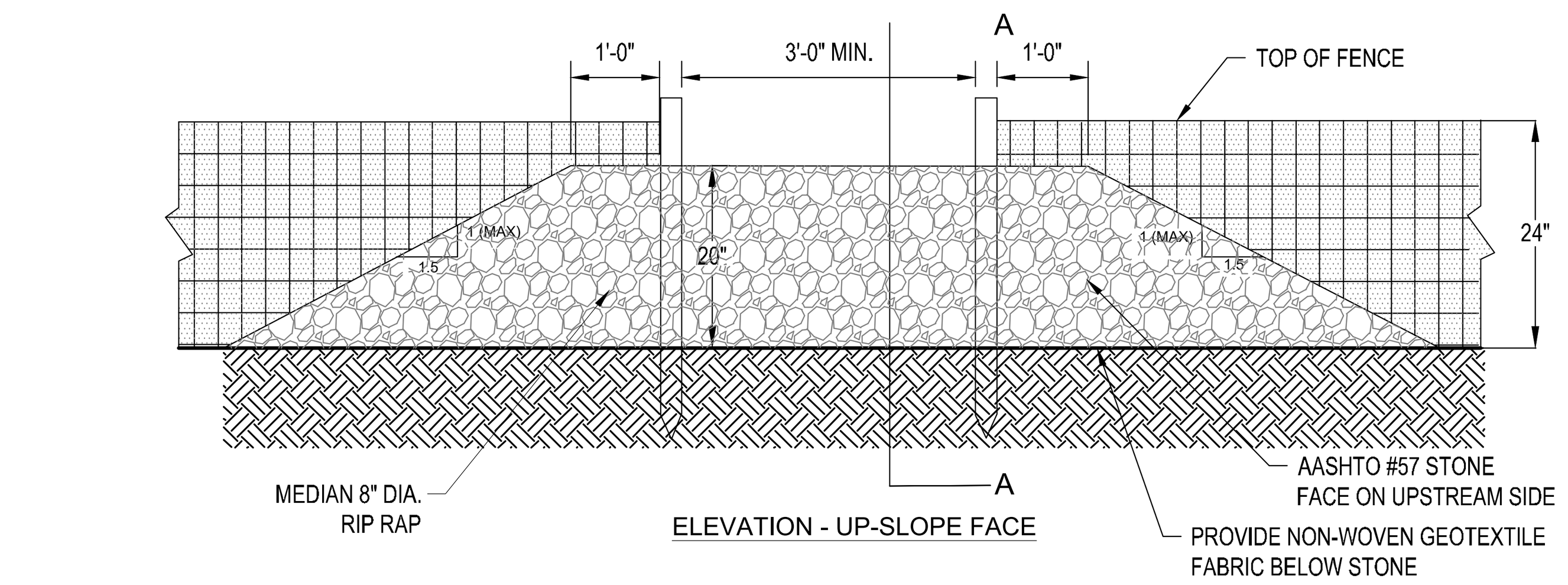
1. WHEN AND WHERE TO USE IT:
SILT FENCE IS APPLICABLE TO AREAS:
A. WHERE THE MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE FENCE IS 100 FEET.
B. WHERE THE MAXIMUM SLOPE STEEPNESS (NORMAL [PERPENDICULAR] TO FENCE LINE) IS 2H:1V.
C. THAT DO NOT RECEIVE CONCENTRATED FLOWS GREATER THAN 0.5 CFS.
D. DO NOT PLACE SILT FENCE ACROSS CHANNELS OR USE IT AS A VELOCITY CONTROL BMP.

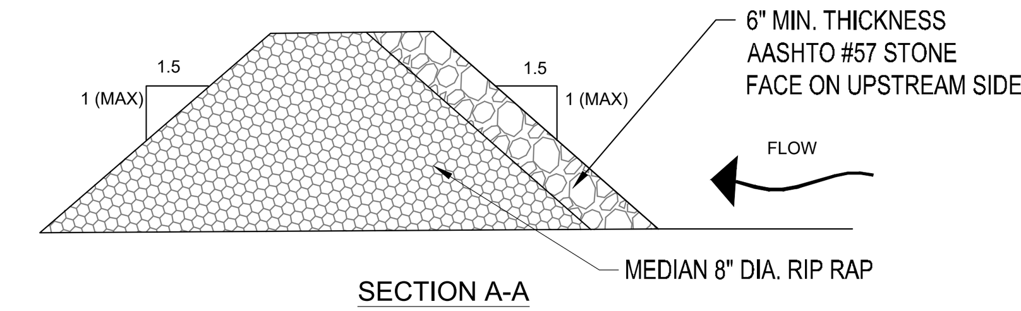
2. MATERIALS:
A. STEEL POSTS MINIMUM PHYSICAL REQUIREMENTS:
1. COMPOSED OF HIGH STRENGTH STEEL WITH MINIMUM YIELD STRENGTH OF 50,000 PSI.
2. HAVE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND NOMINAL "T" LENGTH OF 1.48-INCHES.
3. WEIGH 1.25 POUNDS PER FOOT (8%).
4. HAVE A SOIL STABILIZATION PLATE AS DESCRIBED IN (B) BELOW.
5. PAINTED WITH A WATER BASED BAKED ENAMEL PAINT.
6. HAVE A MINIMUM LENGTH OF 4 FEET, WITH PROJECTIONS TO AID IN FASTENING THE FABRIC.
B. THE SOIL PLATES MINIMUM PHYSICAL REQUIREMENTS:
1. COMPOSED OF MINIMUM 15 GAUGE STEEL.
2. HAVE A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES, AND BE SECURELY WELDED TO THE POST.
C. GEOTEXTILE FILTER FABRIC
1. COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS COMPOSED OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS, OR POLYAMIDES. 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 DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES. CUT TO A MINIMUM WIDTH OF 36 INCHES.
2. FABRIC SHALL BE BACKED BY A 6"X8" MESH WIRE FABRIC.

3. INSPECTION AND MAINTENANCE:
A. SILT FENCE SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS. SHOULD THE INSPECTION NOTED IDENTIFY BMPS ARE NOT OPERATING EFFECTIVELY, MAINTENANCE SHALL BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE AND BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE.
B. CHECK FOR SEDIMENT BUILDUP AND FENCE INTEGRITY.
C. CHECK AREAS WHERE RUNOFF HAS ERODED A CHANNEL BENEATH THE FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED FROM STORMWATER OVERTOPPING.
D. SHOULD THE FENCE FABRIC TEAR, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE SECTION OF FENCE IMMEDIATELY.
E. REMOVE SEDIMENT ACCUMULATED ALONG THE FENCE WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE, ESPECIALLY IF HEAVY RAINS ARE EXPECTED.
F. REMOVE TRAPPED SEDIMENT FROM THE SITE OR STABILIZE IT ON SITE.
G. REMOVE SILT FENCE WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER TEMPORARY BEST MANAGEMENT PRACTICES (BMPS) ARE NO LONGER NEEDED.
H. PERMANENTLY STABILIZE AREAS DISTURBED FROM FENCE REMOVAL.

SILT FENCE

NOT TO SCALE

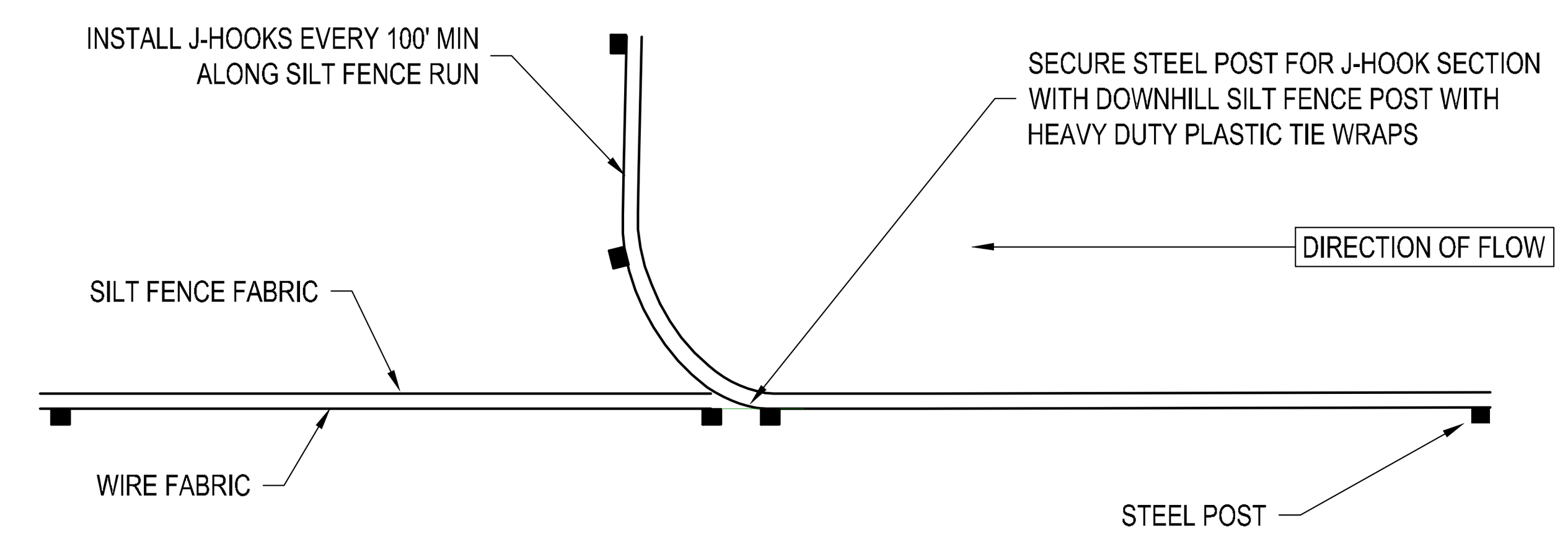




NOTES:
1. WASHED STONE (#57) TO BE REMOVED AND REPLACED ONCE IT BECOMES CLOGGED WITH SEDIMENT.
2. SEDIMENT TO BE REMOVED WHEN ACCUMULATIONS REACH 1/3 HEIGHT OF SILT FENCE
3. THE KEY TO FUNCTIONAL ROCK OUTLETS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

SILT FENCE ROCK OUTLET

NOT TO SCALE



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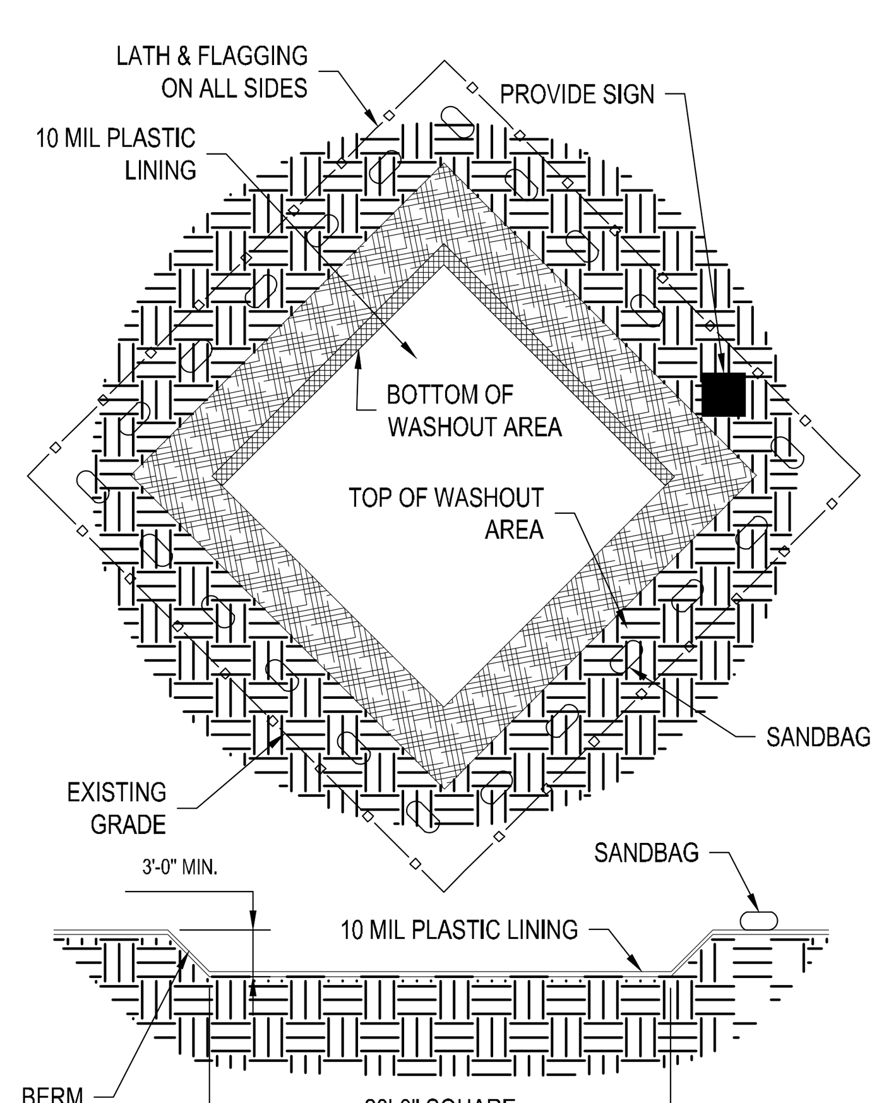


GENERAL NOTES:
1. DO NOT DISPOSE OF TRUCK WASHOUT BY DUMPING INTO A SANITARY SEWER, STORM DRAIN OR ONTO SOIL OR PAVEMENT THAT CARRIES STORMWATER RUNOFF. WASHOUT AREA SHALL BE LOCATED AT A MIN. OF 50 FT FROM ANY STORM DRAIN OR WATERCOURSE UNLESS DETERMINED FEASIBLE BY THE ENGINEER.
2. THE WASHOUT FROM A CONCRETE TRUCK SHOULD BE DISPOSED OF INTO:
A. A DESIGNATED AREA THAT WILL LATER BE BACKFILLED: A SLURRY PIT.
B. AN AREA WHERE THE CONCRETE WASH CAN HARDEN, BE BROKEN UP AND THEN DISPOSED OF AS SOLID WASTE PER SOLID WASTE MANAGEMENT
C. A LOCATION WHICH IS NOT SUBJECT TO SURFACE WATER RUNOFF, AND MORE THAN 50-FEET AWAY FROM A STORM DRAIN, OPEN DITCH, OR RECEIVING WATER.
3. PUMP EXCESS CONCRETE IN CONCRETE PUMP BIN BACK INTO CONCRETE MIXER TRUCK.
4. CONCRETE WASHOUT FROM CONCRETE PUMPER BINS CAN BE WASHED INTO CONCRETE PUMPER TRUCKS AND DISCHARGED INTO DESIGNATED WASHOUT AREA OR PROPERLY DISPOSED OFFSITE.
5. PROVIDE A SIGN IDENTIFYING THE WASHOUT AREA.
6. A BERMED AREA SHALL BE CONSTRUCTED OF SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND WASTE GENERATED BY WASHOUT PROCEDURES.

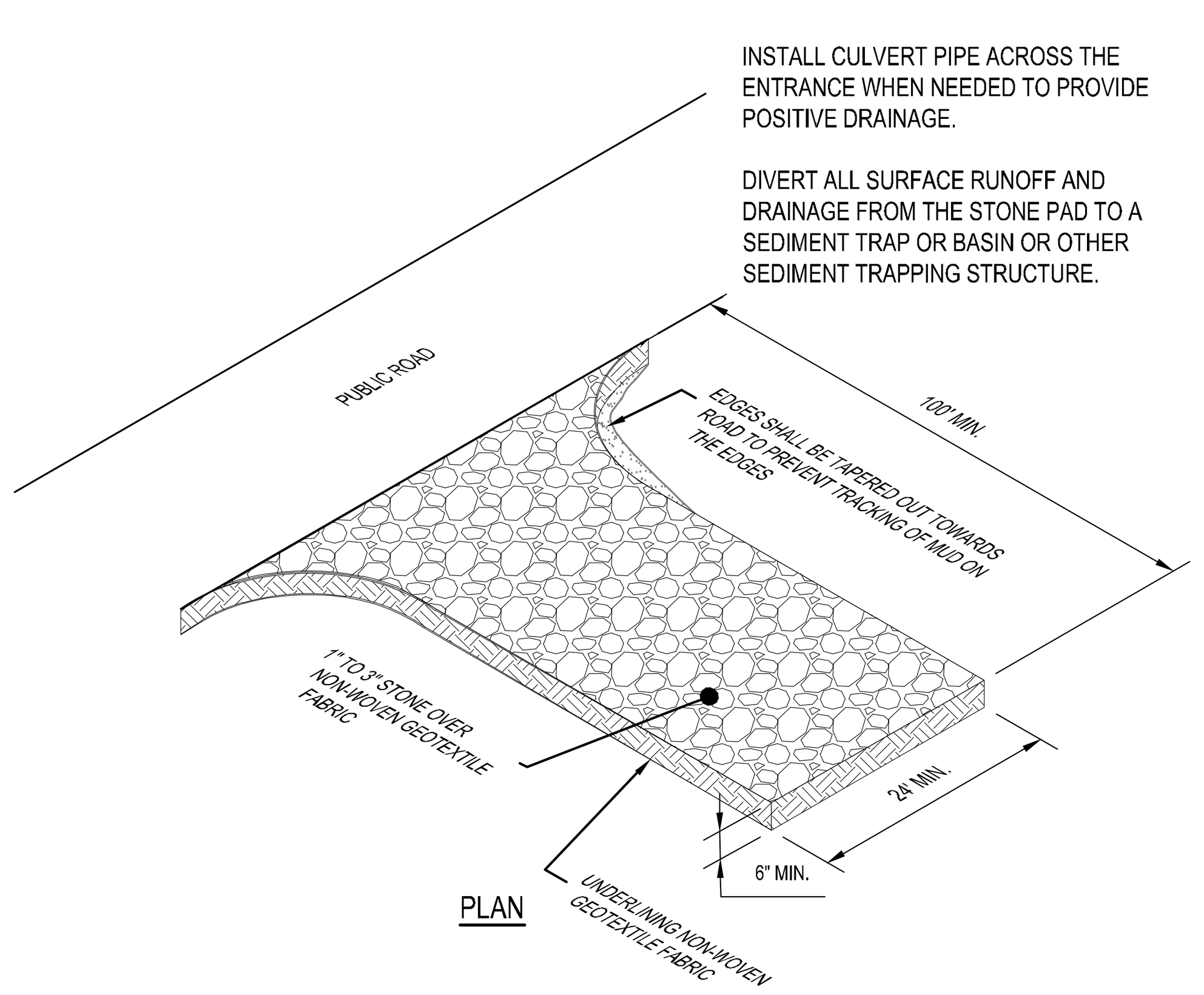
INSPECTION AND MAINTENANCE:
1. MONITOR EMPLOYEES AND SUBCONTRACTORS THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT TO ENSURE APPROPRIATE PRACTICES ARE BEING IMPLEMENTED.
2. INSPECT WASHOUT SUMP REGULARLY AND REMOVE LIQUIDS AND SEDIMENT AS NEEDED.
3. WHEN WASHOUT AREA REACHES 75% FULL, THE AREA SHALL BE CLEANED OR NEW FACILITIES SHOULD BE CONSTRUCTED.

CONCRETE WASHOUT AREA

NOT TO SCALE

INSTALL CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.

DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER SEDIMENT TRAPPING STRUCTURE.



STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

WHEN AND WHERE TO USE IT
STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD.

IMPORTANT CONSIDERATIONS
A. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF SITE. WASH DOWN FACILITIES SHALL BE REQUIRED AS DIRECTED BY SCDES AS NEEDED. WASH DOWN AREAS IN GENERAL MUST BE ESTABLISHED WITH CRUSHED GRAVEL AND DRAIN INTO A SEDIMENT TRAP OR SEDIMENT BASIN.
B. CONSTRUCTION ENTRANCES SHOULD BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY VEHICLES.

MATERIAL
A. THE ENTRANCE SHALL CONSIST OF 2-INCH TO 3-INCH D50 STONE AT A MINIMUM DEPTH OF 6-INCHES.
B. MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24-FEET WIDE BY 100-FEET LONG. THE DIMENSION MAY BE INCREASED AS NECESSARY TO ACCOMMODATE SITE CONDITIONS.
C. THE EDGES OF THE ENTRANCE SHALL BE TAPERED OUT TOWARDS THE ROAD TO PREVENT TRACKING OF MUD AT THE EDGE OF THE ENTRANCE.
D. LIMESTONE MAY NOT BE USED FOR THE STONE PAD.

INSTALLATION
A. REMOVE ALL VEGETATION AND ANY OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA.
B. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM STONES TO A SEDIMENT TRAP OR BASIN.
C. INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING STONE.
D. INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.

INSPECTION AND MAINTENANCE
A. STABILIZED ENTRANCE SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK AND AFTER STORM EVENTS. IF THE 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.
B. RESHAPE THE STONE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
C. WASH OR REPLACE STONES AS NEEDED AND AS DIRECTED BY INSPECTOR. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. FREQUENT WASHING WILL EXTEND USEFUL LIFE OF STONE.
D. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED WHEN THE WATER CAN BE DISCHARGED TO A SEDIMENT TRAP OR BASIN.
E. REPAIR ANY BROKEN OR DAMAGED ROADWAY PAVEMENT IMMEDIATELY.

TEMPORARY SEEDING

(TO BE USED ONLY FOR TEMPORARY STABILIZATION DURING CONSTRUCTION)

1. ALL PREPARATION, INSTALLATION, AND MAINTENANCE OF TEMPORARY SEEDING SHALL BE IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION 810 OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
2. IN PARTICULAR THE CONTRACTOR SHALL:
A. ESTABLISH A STAND OF VEGETATION THAT IS CAPABLE OF EROSION CONTROL.
B. PROVIDE MINIMUM DENSITY COVERAGE OF 70% THROUGHOUT THE SEEDED AREA.
C. MAINTAIN THE STAND OF VEGETATION UNTIL REPLACED BY PERMANENT LANDSCAPING OR SUBSEQUENT CONSTRUCTION.
3. TEMPORARY SEED SHALL BE IN ACCORDANCE WITH SECTION 1.4 OF THE SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATION FOR SEEDING (SDOT DESIGNATION: SC-M-810-4). SEED SPECIES AND APPLICATION RATE SHALL BE AS INDICATED FOR THE PROJECT LOCATION, SOIL TYPE, AND DATE OF INSTALLATION (SEE CHARTS).

PERMANENT SEEDING SCHEDULE

1. EXTENT OF WORK - PROVIDE SOIL ESTABLISHMENT OF FINISH GRADE, PREPARATION, FERTILIZING AND SEEDING, OF ALL NEWLY GRADED FINISHED EARTH SURFACES, UNLESS INDICATED OTHERWISE, AND AT ALL AREAS INSIDE OR OUTSIDE THE LIMITS OF CONSTRUCTION THAT ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS.
2. TURF ESTABLISHMENT PERIOD - THE ESTABLISHMENT PERIOD FOR TURF SHALL BEGIN IMMEDIATELY AFTER INSTALLATION, WITH THE APPROVAL OF THE ENGINEER, AND CONTINUE UNTIL THE DATE THAT THE OWNER ACCEPTS THE PROJECT OR PHASE FOR BENEFICIAL USE AND OCCUPANCY AND A STAND OF GRASS IS ACHIEVED. DURING THE TURF ESTABLISHMENT PERIOD THE CONTRACTOR SHALL:

2.1. WATER THE TURF TO MAINTAIN AN ADEQUATE SUPPLY OF MOISTURE WITHIN ROOT ZONE. AN ADEQUATE SUPPLY OF MOISTURE IS THE EQUIVALENT OF 1 INCH OF ABSORBED WATER PER WEEK EITHER THROUGH NATURAL RAINFALL OR AUGMENTED BY PERIODIC WATERING. APPLY WATER AT A MODERATE RATE SO AS NOT TO FLOOD THE TURF.

2.2. PROVIDE THE FOLLOWING TURF ESTABLISHMENT:

2.2.1. ERADICATE ALL WEEDS. WATER, FERTILIZE, OVERSEED, AND PERFORM ANY OTHER OPERATION NECESSARY TO PROMOTE THE GROWTH OF GRASS.

2.2.2. RESEED OR RE-SOD AREAS VOID OF TURF ONE SQUARE FOOT AND LARGER IN AREA.

2.2.3. MOW THE NEW LAWN AS NEEDED PRIOR TO THE FINAL INSPECTION. BEGIN MOWING WHEN GRASS IS 4 INCHES HIGH. MOW TO A 2 1/2 INCH HEIGHT.

2.2.4. PERMANENT GRASS SEEDING RATES- SEED MIXTURE (FOR ALL DISTURBED AREA NOT RECEIVING PAVEMENT.)

2.2.4.1. AREAS LESS THAN 3:1 GRADE SLOPEN

PLANTING SEASON VARIETY	LB/ 1000 S.F.
SPRING/SUMMER (APRIL 1 - AUG. 31)	
BROWN TOP MILLET	1/2 LB.
HULLED BERMUDA GRASS (SAHARA)	2 LBS.
FALL/WINTER (SEPT 1. - MAR. 31)	
ANNUAL RYE GRASS	6 LBS.
'ELITE' FESCUE'	6 LBS.

2.2.4.2. AREAS 3:1 GRADE SLOPES AND GREATER

PLANTING SEASON VARIETY	LB/1000S.F.
SPRING/SUMMER (APRIL 1 - AUG. 31)	
BROWN TOP MILLET	1/4 LBS.
WEEPING LOVE GRASS	1/8 LBS.
HULLED BERMUDA	2 LBS.
FALL/WINTER (SEPT. 1 - MAR. 31)	
UNHULLED BERMUDA GRASS	1/2 LBS.
'ELITE' FESCUE	6 LBS.
WHITE CLOVER	0.25 LBS.
PARTRIDGE PEA	1/2 LBS.

NOTE: SOME ANNUAL GRASS SPECIES ARE INCLUDED IN THIS MIX. THESE ARE TO BE PLANTED AT THE SAME TIME AS THE PERENNIAL GRASS SPECIES TO PROVIDE QUICK COVER AND STABILIZE THE SOIL UNTIL THE PERENNIAL SEEDS GERMINATE AND BECOME ESTABLISHED.

3. WOOD CELLULOSE FIBER MULCH - USE RECOVERED MATERIALS OF EITHER PAPER- BASED(100 PERCENT) OR WOOD-BASED (100 PERCENT) HYDRAULIC MULCH. PROCESSED TO CONTAIN NO GROWTH OR GERMINATION-INHIBITING FACTORS AND DYED AN APPROPRIATE COLOR TO FACILITATE VISUAL METERING OF MATERIALS APPLICATION. COMPOSITION ON AIR-DRY WEIGHT BASIS: 9 TO 15 PERCENT MOISTURE, pH RANGE FROM 3.5 TO 5.0. USE WITH HYDRAULIC APPLICATION OF GRASS SEED AND FERTILIZER. FIRST, MIX WATER AND FIBER. FIBER SHALL BE ADDED AT 1,000 POUNDS, DRY WEIGHT, PER ACRE. THEN ADD FERTILIZER TO PRODUCE A HOMOGENEOUS SLURRY. WHEN HYDRAULICALLY SPRAYED ON THE GROUND, MATERIAL SHALL FORM A BLOTTER LIKE COVER IMPREGNATED UNIFORMLY WITH GRASS SEED. APPLY SEEDED SLURRY EVENLY IN TWO INTERSECTION DIRECTIONS TO ACHIEVE FULL COVERAGE.

4. SOIL ANALYSIS - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A SOIL ANALYSIS PERFORMED BY THE COUNTY EXTENSION SERVICE OR SOME OTHER APPROVED LABORATORY FOR A SOIL ANALYSIS REPORT. THE CONTRACTOR SHALL THEN PROVIDE THE RECOMMENDATIONS OF THE REPORT TO THE ENGINEER FOR WRITTEN APPROVAL. RECOMMENDATIONS SHALL ENSURE THAT SOIL pH IS WITHIN 6 - 7 PRIOR TO SEEDING AND SHALL INCLUDE RATES FOR LIME AND FERTILIZER

5. SOIL PREPARATION - IF AREAS TO BE GRADED ARE COVERED WITH GRAVEL, COMPLETELY REMOVE GRAVEL AND DISPOSE OF OFF-SITE IN A MANNER THAT COMPILES WITH ALL LOCAL, STATE, AND FEDERAL LAWS. AFTER AREAS HAVE BEEN BROUGHT TO FINISH ELEVATION, THOROUGHLY TILL TO MINIMUM DEPTH OF 4 INCHES BY SCARIFYING, DISKING OR HARROWING. REMOVE DEBRIS AND STONES LARGER THAN ONE INCH IN ANY DIMENSION REMAINING ON SURFACE AFTER TILLAGE. CORRECT IRREGULARITIES IN FINISHED SURFACES TO ELIMINATE DEPRESSIONS. PROTECT FINISHED PREPARED SOIL AREAS FROM DAMAGE BY VEHICULAR OR PEDESTRIAN TRAFFIC.

6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SUPPLY WATER TO ALL TURF UNTIL FINAL ACCEPTANCE BY THE OWNER. THE OWNER IS RESPONSIBLE FOR IRRIGATING TURF AFTER FINAL ACCEPTANCE IF HE CHOOSES. THE CONTRACTOR SHALL WARRANTY ALL TURF FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AND SHALL GUARANTEE A STAND OF PERMANENT GRASS PER SCDES NPDES PERMIT REQUIREMENTS AND SHALL BE RELIEVED OF THIS RESPONSIBILITY ONCE THE PROJECT HAS BEEN ACCEPTED AND AFTER THE OWNER HAS FILED A NOTICE OF TERMINATION OR ACCEPTED BY THE OWNER, WHICHEVER OCCURS FIRST.

ISSUED FOR CONSTRUCTION

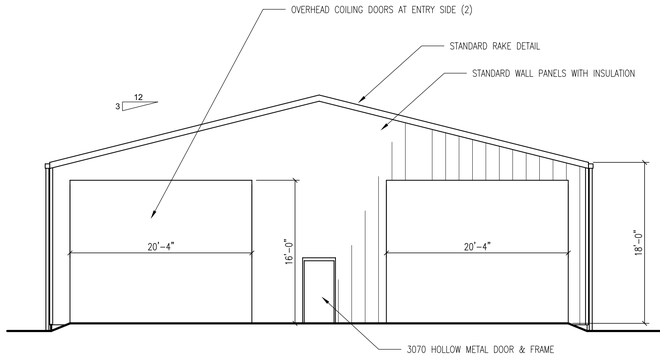
DAVIS & FLOYD
PLAN | DESIGN | ENGINEER
DAVISFLOYD.COM

CRAIG GAULDEN DAVIS

OWNER: PIEDMONT TECHNICAL COLLEGE
GREENWOOD, SOUTH CAROLINA
PROJECT TITLE: PTC -DRY STORAGE BUILDING
DRAWING TITLE: SITE DETAILS

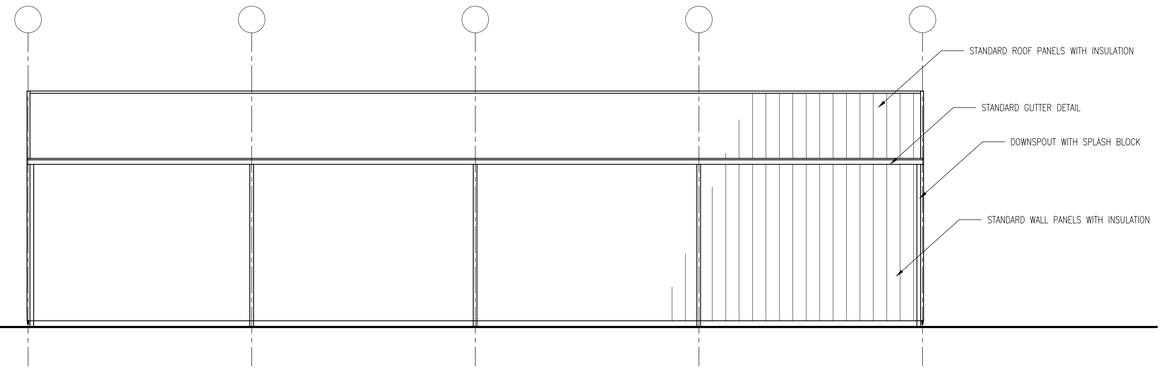
JOB NO. 014341.00
DATE APRIL 2025
DESIGNED AMK
DRAWN AMK
CHECKED JDC
APPROVED JDC

C820



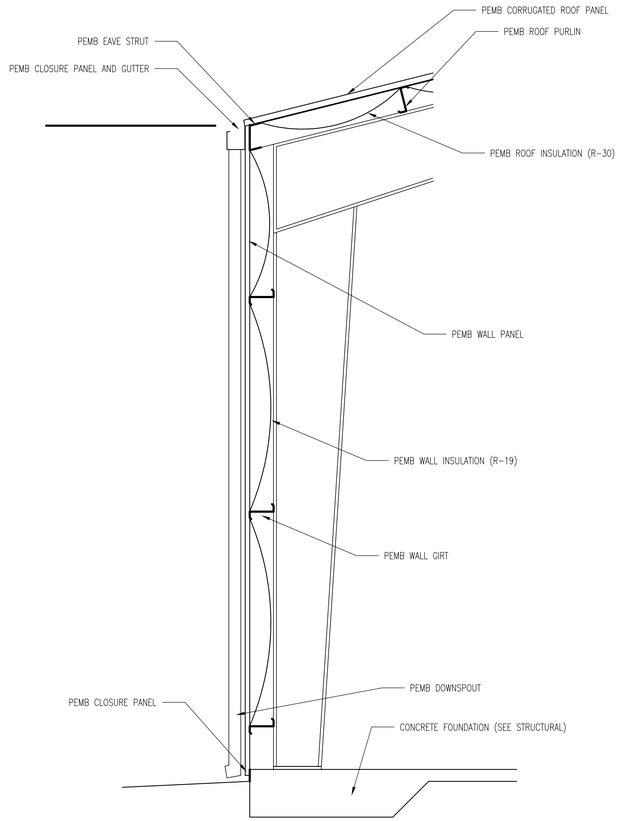
3 / A101 SIDE ELEVATION

1 / 8 " = 1'-0"



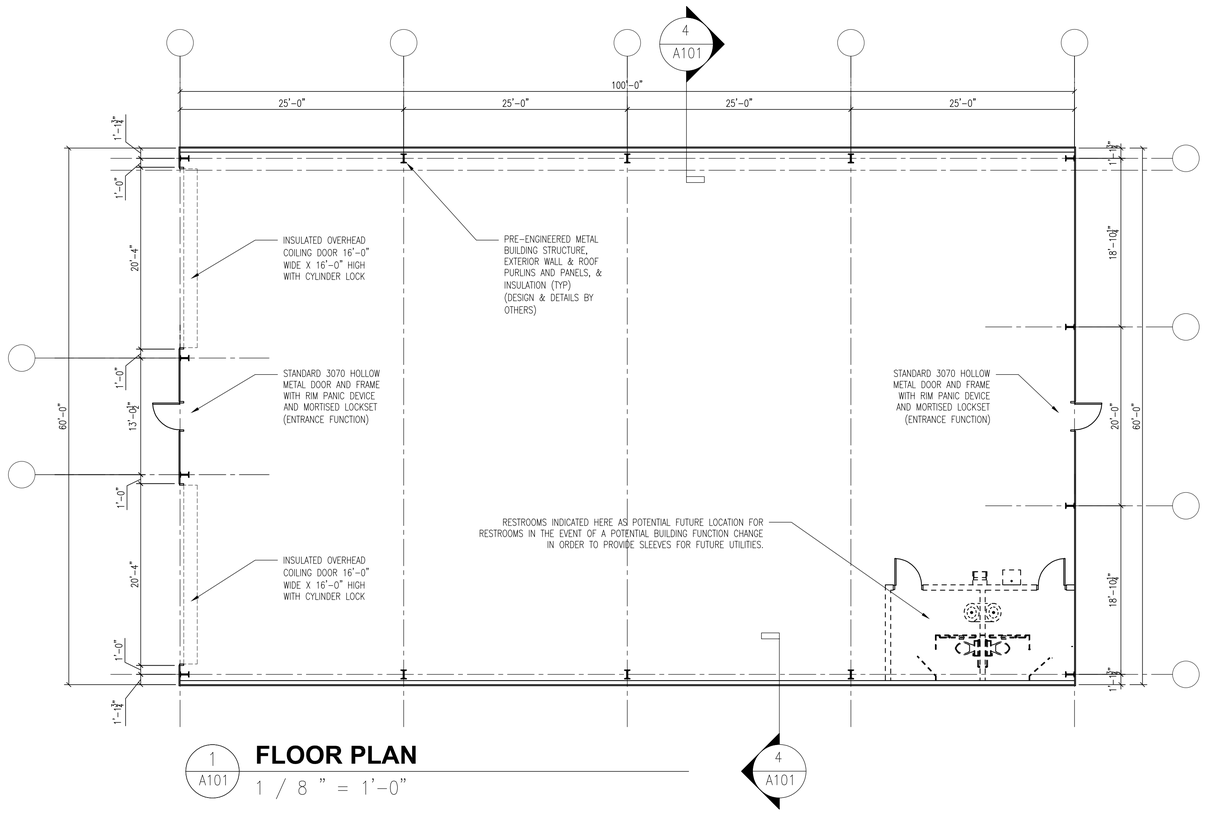
2 / A101 FRONT / REAR ELEVATION

1 / 8 " = 1'-0"



4 / A101 TYPICAL WALL SECTION

1 / 2 " = 1'-0"



1 / A101 FLOOR PLAN

1 / 8 " = 1'-0"

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STATE OF SOUTH CAROLINA
CRAIG, GAULDEN & DAVIS, INC.
Greenville, SC
B-74013
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
DAVID L. DIXON
Greenville, SC
3944
10/3/25
REGISTERED ARCHITECT

PROJECT

A NEW DRY STORAGE BUILDING

PIEDMONT TECHNICAL COLLEGE

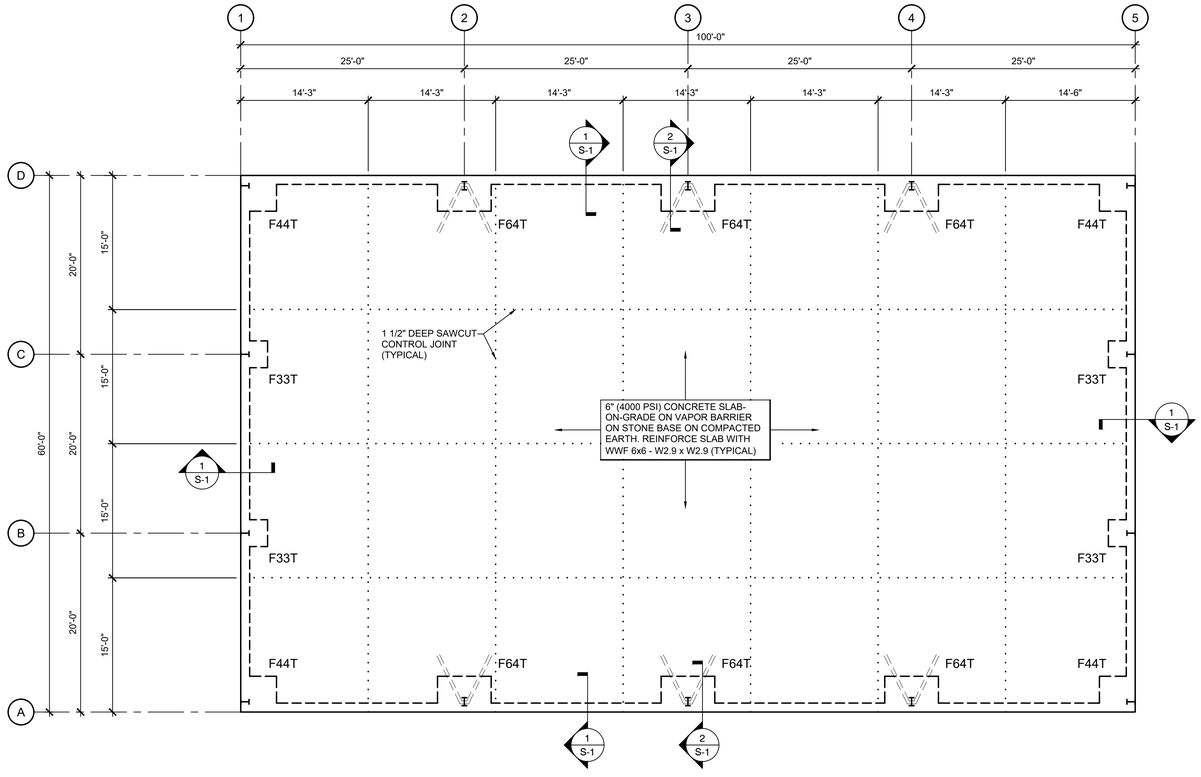
OSE # H59-N309-TM
GREENWOOD, SC

MARK	DATE	DESCRIPTION

ISSUE:	BID DOCUMENTS
DATE:	11/25/25
PROJECT NO:	25010
DRAWN BY:	DLD
CHECKED BY:	DLD

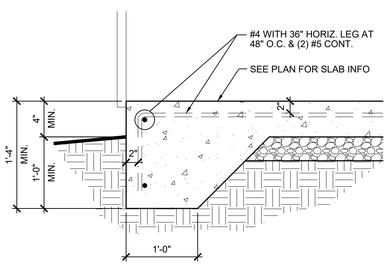
PEMB DETAILS

A101

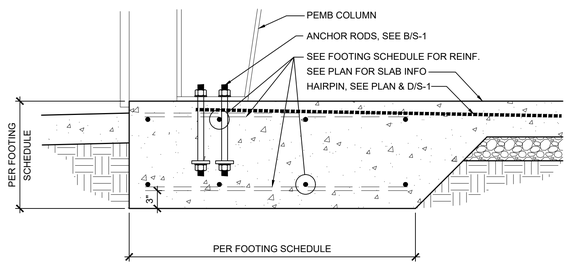


A FOUNDATION/ SLAB PLAN
1/8" = 1'-0"

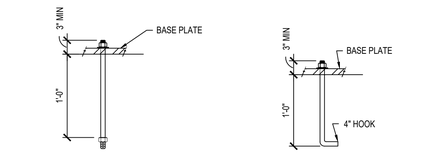
Foundation Schedule			
TYPE	WIDTH X LENGTH	THICKNESS	REINFORCING
F33T	3'-0" x 3'-0"	16" THK'D SLAB	(3) #4 EA WAY
F44T	4'-0" x 4'-0"	16" THK'D SLAB	(5) #5 EA WAY, TOP & BOTTOM MAT
F64T	6'-0" x 4'-0"	24" THK'D SLAB	(7) #6 EA WAY, TOP & BOTTOM MAT



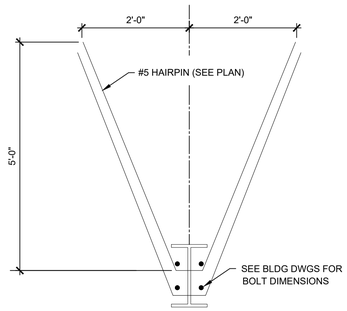
1 SECTION
1" = 1'-0"



2 SECTION
1" = 1'-0"



B ANCHOR ROD DETAIL
1" = 1'-0"



D HAIRPIN DETAIL
1" = 1'-0"

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.
5. The Contractor shall locate Anchor Rod locations with using the metal building drawings. Design of diameter of rod is by the metal building designer. Projection of rod is by metal building designer; embedment is by Palmetto Structural Engineering, LLC.
6. Foundations shown are based on preliminary Building Manufacturer drawings. For Construction drawings shall be provided by the general contractor prior to construction for confirmation f the foundations shown.
7. Palmetto Structural Engineering, LLC was contracted to provide slab and foundation design only using the building supplier's anchor setting plan and reactions. PSE did not review building framing or finishes.

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.
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.
   g. Slab F_f and F_l shall be evaluated.

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 3000 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.

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
   d. No water may be added at the site without consent of the engineer.
3. Slabs-on-grade:
   a. Interior slabs-on-grade and foundations shall have a 28 day compressive strength of 4000 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 $F_l = 17$ shall be tested/confirmed by testing agency.
   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 boxouts, 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.
4. 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.

Structural Design Criteria

Structure Type
Pre-Engineered Metal Building with Ordinary Steel Moment Frames & Concentrically Braced Steel Frames.

Building Code
2021 International Building Code

Building Use
Building Category 2.

Vertical Loads

Dead Loads at Roof	
See Pre-Engineered Metal Building Drawings	
Live Loads at Roof	
Occupancy (Reducible for Slope, Area)	20 psf
Snow Loads	
Ground Snow Load	10 psf
Design Snow Load	7.7 psf

Lateral Loads

Wind Loads	
Velocity (3-Second Gust), Vultimate	110 mph
Exposure	C
Seismic Loads	
USGS Mapped 1 second	
Spectral Response, S_1	10%g
USGS Mapped short term	
Spectral Response, S_s	30%g
Site Class (Assumed)	D
Response Modification Coefficient	See PEMB Dwgs.
Spectral Response, Sds	See PEMB Dwgs.
Spectral Response, Sd1	See PEMB Dwgs.
Spectral Response Coefficient, C_s	See PEMB Dwgs.
Design Category	C
Analysis Type	ELF
Base Shear	See PEMB Dwgs.

PALMETTO STRUCTURAL ENGINEERING, LLC
104 Hunter Hill Circle
Six Mile, SC 29682
(c) 864-436-9684
Ryan@PalmettoSE.com

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21990 11-11-25 MATTHEW RYAN SUMMEY

SOUTH CAROLINA PALMETTO STRUCTURAL ENGINEERING, LLC No. 4761 CERTIFICATE OF AUTHORIZATION

Project:

Piedmont Technical College
Dry Storage Bldg.

Greenwood County, SC

REVISIONS

No.	Date	Description
A	11-25-25	Bid Documents

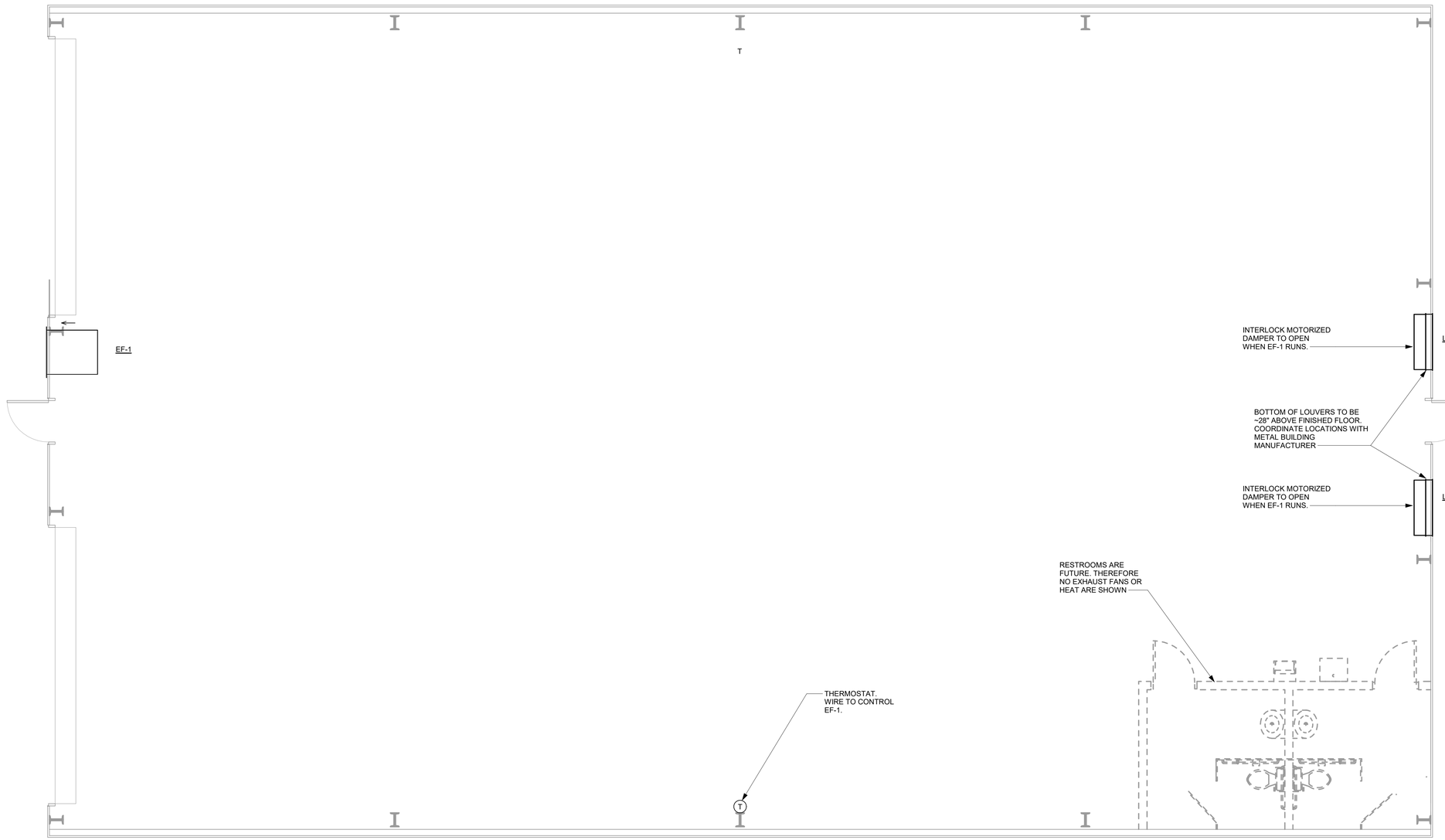
Architect:

CRAIG GAULDEN DAVIS
Architecture
Planning
Interiors
19 Washington Park
Greenville, SC 29601
Phone 864.242.0761
Fax 864.501.9845
E-mail cgd@cgdarch.com

Foundation / Slab Plan, Sections

Scale:	As Noted
Date:	11-25-25
Drawn By:	R. Summey
Project No.:	
Sheet:	

S-1



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

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	GREENHECK.	BAER-36	10,000	0.25	821	BELT	2 HP	27	208/1/60	1,2,3,4,5

EQUAL PRODUCTS BY PENN-BARY, COOK, TWIN CITY.

ACCESSORIES:
1. CAST ALUMINUM OR FABRICATES STEEL FAN BLADES.
2. PILLOW BLOCK BEARINGS.
3. BELT DRIVE
4. FAN HOUSING, MOTOR GUARD, BACKDRAFT DAMPER, DISCHARGE HOOD, BIRD SCREEN.
5. FACTORY DISCONNECT

LOUVER SCHEDULE

MARK	MANUFACTURER	MODEL	SIZE	ACCESSORIES
L-1	POTTORF	EXD637	48x48	1,2,3
L-2	POTTORF	EXD637	48x48	1,2,3

EQUAL PRODUCTS BY: GREENECK, RUSKIN

ACCESSORIES:

1. BIRD SCREEN
2. KYNAR 500 FINISH (COLOR SELECTED BY ARCHITECT)
3. WITH MOTORIZED DAMPER WITH 120 VOLT DAMPER ACTUATOR.

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.

CRAIG GAULDEN DAVIS PBK

Architecture
Planning
Interiors

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CONSULTANT

SE&C
HVAC • PLUMBING • FIRE PROTECTION
STEPHENS ENGINEERING & CONSULTING, LLC
130 HERITAGE LANE
EASLEY, SC 29642
(864) 414-1965

PROJECT

ALTERATIONS & ADDITIONS

PIEDMONT TECHNICAL COLLEGE

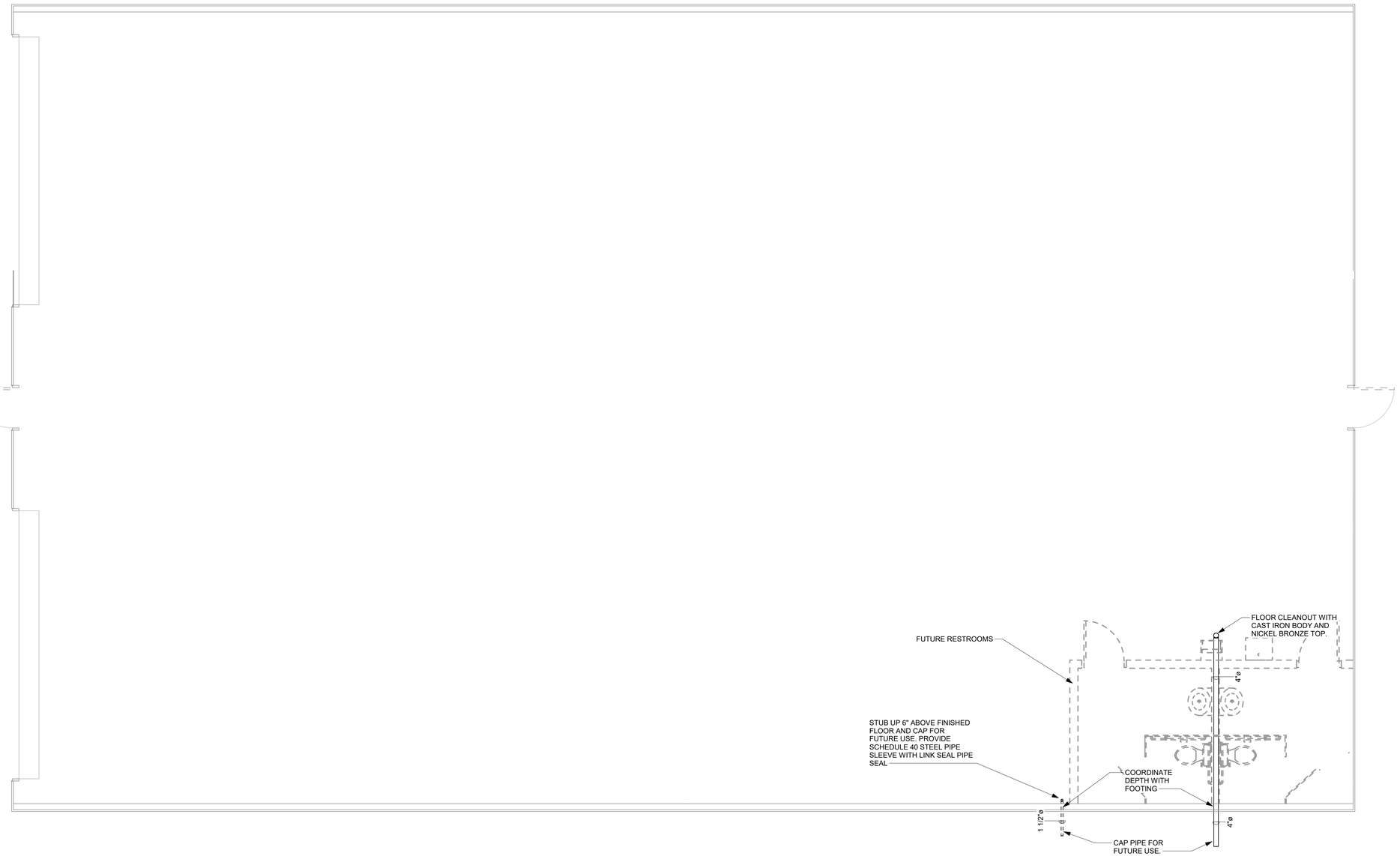
OSE #H59-N309-TM
GREENWOOD, SC

DATE	MARK	DESCRIPTION

ISSUE:	BID DOCUMENTS
DATE:	11-25-2025
PROJECT NO:	25010
DRAWN BY:	SCS
CHECKED BY:	SCS

HVAC PLAN

M101



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

PLUMBING GENERAL NOTES:

1. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE 2021 SOUTH CAROLINA PLUMBING CODE.
2. ALL WATER AND SEWER PIPING SHALL BE TESTED PER THE PLUMBING CODE.

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 WASTE AND VENT PIPING SHALL BE PVC, SCHEDULE 40 DWV PIPE AND FITTINGS.

S:\Projects 2025\25022 Dry Storage Building - Piedmont Tech\Drawings\Revit Model\Revised Scope\25022 Dry Storage Bldg - Piedmont Tech-M&P_R24 - Revised Scope.rvt
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SOUTH CAROLINA REGISTERED ARCHITECT NO. 16585 11-25-2025 CRAIG GAULDEN DAVIS

STEPHENS ENGINEERING & CONSULTING LLC CO5169 CERTIFICATE OF AUTHORIZATION SOUTH CAROLINA

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PROJECT

ALTERATIONS & ADDITIONS

PIEDMONT TECHNICAL COLLEGE

OSE #H59-N309-TM
GREENWOOD, SC

DATE	MARK	DESCRIPTION

ISSUE:	BID DOCUMENTS
DATE:	11-25-2025
PROJECT NO:	25010
DRAWN BY:	SCS
CHECKED BY:	SCS

PLUMBING PLAN

P101

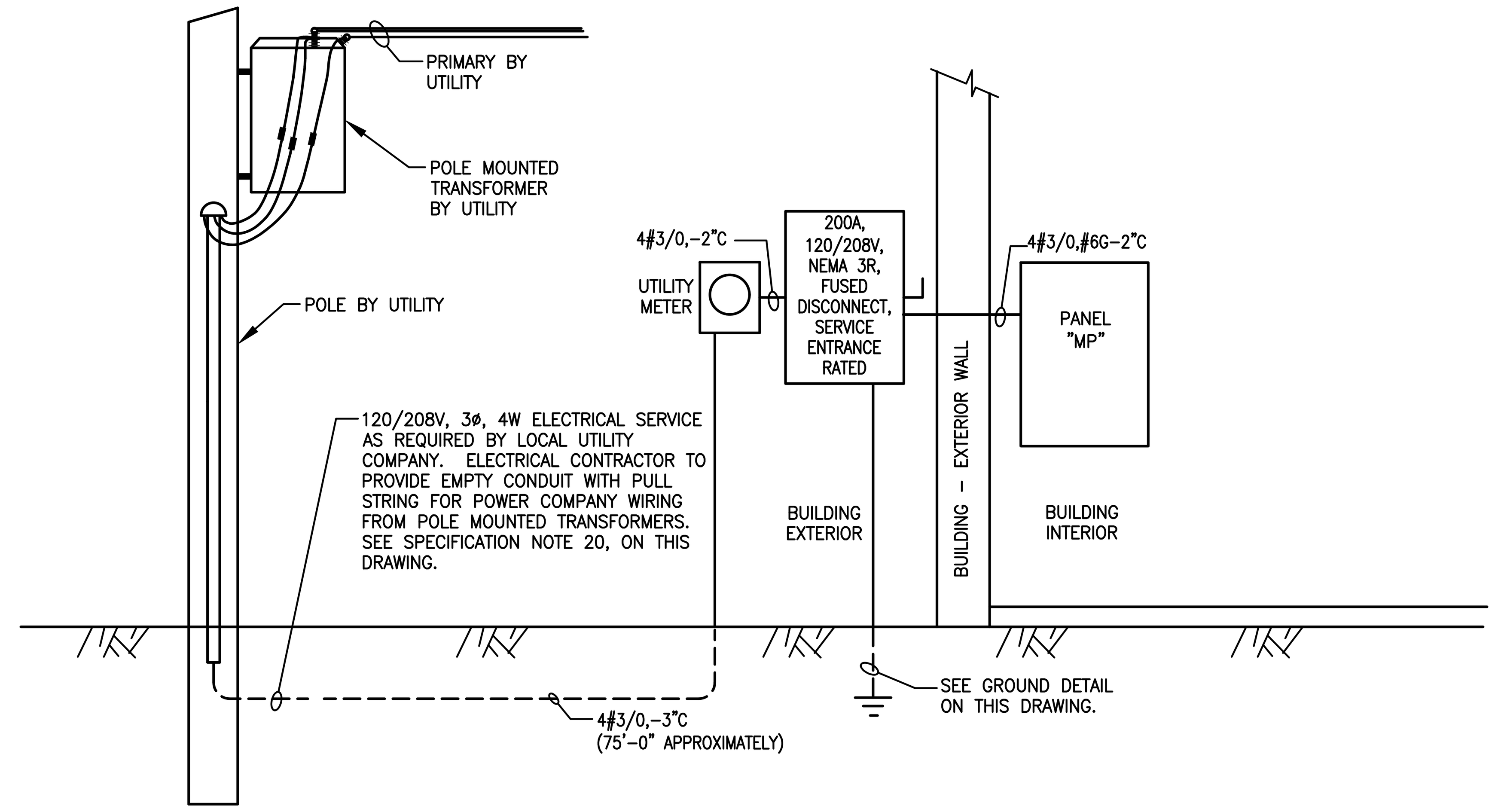
ELECTRICAL SYMBOLS

- 20A, 125V, 2P, 3W, NEMA 5-20R, DUPLEX, TAMPER RESISTANT RECEPTACLE MTD. 18" ABOVE FLOOR UNLESS NOTED OTHERWISE. SEE ABBREVIATIONS BELOW FOR DESIGNATIONS:

  G – GROUND FAULT INTERRUPTER
  WC – ELECTRIC WATER COOLER
- SAME AS ABOVE EXCEPT QUADRUPLEX TYPE.
- EF — EXHAUST FAN. SEE MECHANICAL DRAWINGS. "SWL" INDICATES 'SWITCHED WITH ROOM LIGHTS'.
- M — OVERHEAD DOOR MOTOR FURNISHED W/ DOOR EQUIPMENT.
- ELECTRIC OVERHEAD DOOR CONTROLLER, WALL MOUNTED AT 54"AFF. FURNISHED WITH DOOR EQUIPMENT, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. VERIFY EXACT LOCATIONS W/ OWNER.
- WH — WATER HEATER. SEE PLUMBING DRAWINGS.
- WALL MOUNTED EXTERIOR EGRESS EMERGENCY LIGHT FIXTURE.
- A — CEILING MOUNTED LIGHT FIXTURE PER FIXTURE SCHEDULE.
- A — FIXTURE TO BE SWITCHED WITH OTHERS IN AREA AND WITH INTERNAL EMERGENCY BATTERY BACK UP.
- WALL MOUNTED TWIN HEAD EMERGENCY FIXTURE. PROVIDE CONTINUOUS HOT LEAD TO FIXTURE FOR BATTERY.
- COMBINATION EXIT/EMERGENCY FIXTURE. PROVIDE CONTINUOUS HOT LEAD TO FIXTURE FOR BATTERY.
- WALL MOUNTED EXTERIOR AREA LIGHT FIXTURE.
- PE — PHOTO CONTROL IS TO BE TORK 2101, 120V, 2000W, SPST OR APPROVED EQUAL. MOUNT ON HIGHEST PRACTICAL POINT FACING NORTH.
- A-7 — HOMERUN TO ELECTRICAL PANEL. HOMERUN NOTE (A-7) INDICATES PANEL DESIGNATION AND RELATIVE CIRCUIT NUMBER. UNLESS NOTED OTHERWISE, CONDUCTORS SHALL BE #12 AWG IN 3/4" CONDUIT. HATCH MARKS INDICATE THE QUANTITY OF CONDUCTORS REQUIRED. SHORT HATCH MARKS REPRESENT HOT CONDUCTORS OR SWITCHED LEGS. LONG HATCH MARKS REPRESENT THE NEUTRAL CONDUCTOR. ALL BRANCH CIRCUITS SHALL CONTAIN A #12 INSULATED GREEN GROUND CONDUCTOR. PROVIDE ALL WIRING REQUIRED TO ACCOMPLISH CIRCUITRY AS INDICATED. NO HATCH MARKS INDICATE 2#12,#12G-3/4".
- BRANCH CIRCUIT WIRING CONCEALED IN WALL OR CEILING SPACE.
- BRANCH CIRCUIT WIRING CONCEALED IN FLOOR OR UNDERGROUND.
- CONDUIT RUN TURNED DOWN OR AWAY FROM OBSERVER.
- CONDUIT RUN TURNED UP OR TOWARDS OBSERVER.
- CAPPED CONDUIT
- FLEXIBLE CONNECTION TO EQUIPMENT.
- ELECTRICAL PANEL, 208/120V, MOUNTING AS INDICATED. COORDINATE EXACT LOCATION IN FIELD.
- 30/2/F — SAFETY DISCONNECT SWITCH. "30" INDICATES AMP RATING, 2 INDICATES NUMBER OF POLES, "F" INDICATES FUSED, "NF" INDICATES NON-FUSED. ENCLOSURE TO BE NEMA 1 UNLESS NOTED OTHERWISE (3R, 4X, ETC.) FUSE PER MANUFACTURERS RECOMMENDATIONS.
- COMBINATION STARTER/SAFETY DISCONNECT SWITCH. SAME NOMENCLATURE APPLIES AS SHOWN ON DISCONNECT SWICH. STARTER SHALL BE SIZE 1, UNLESS NOTED OTHERWISE. PROVIDE WITH H-O-A SWITCH, CONTROL POWER TRANSFORMER, AND AUXILLARY CONTACTS. FUSE PER MANUFACTURERS RECOMMENDATIONS.
- DS — LOCAL 120V TOGGLE TYPE EQUIPMENT DISCONNECT. RATED 20A, UNLESS NOTED OTHERWISE.

ELECTRICAL SPECIFICATIONS

1. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO SHOW APPROXIMATE LOCATIONS. ELECTRICAL WORK SHALL NOT INTERFERE WITH CLEARANCES REQUIRED FOR GENERAL AND MECHANICAL CONSTRUCTION. ANY CORRECTIONS WILL BE MADE BY THE ELECTRICAL CONTRACTOR AT NO COST TO THE OWNER.
2. ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE IBC AND THE NATIONAL ELECTRICAL CODE, LATEST EDITIONS, AND ALL APPLICABLE STATE AND LOCAL CODES. ALL WORK SHALL BE ACCOMPLISHED IN A NEAT AND PROFESSIONAL MANNER.
3. ALL MATERIALS SHALL BE NEW AND SHALL BEAR THE U/L LABEL.
4. CONTRACTOR SHALL CONFIRM BRANCH CIRCUIT SIZING, LOCATIONS AND CONNECTION REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT PRIOR TO INSTALLATION. REFERENCE MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS AND VERIFICATION OF CIRCUIT SIZE. ANY ADJUSTMENTS REQUIRED SHALL BE MADE BY THE ELECTRICAL CONTRACTOR. SUBSTANTIAL CHANGES TO THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
5. ALL TERMINALS SHALL BE RATED FOR 75 DEGREES CELSIUS COPPER WIRE.
6. RECEPTACLES SHALL BE OF THE GROUNDING TYPE WITH GROUND CONNECTION MADE THROUGH AN EXTRA POLE WHICH SHALL BE PERMANENTLY CONNECTED TO THE RACEWAY AND GROUNDING SYSTEMS. COVERPLATES FOR ALL WIRING DEVICES TO BE PLASTIC/STAINLESS STEEL. DETERMINE THE COLOR OF ALL WIRING DEVICES WITH ARCHITECT.
7. LIGHTING FIXTURES SHALL BE FURNISHED COMPLETE IN ALL RESPECTS PER FIXTURE SCHEDULE. VERIFY CEILING FINISHES AND SUSPENSION SYSTEMS FOR SELECTION OF PROPER TRIM AND SUPPORT ARRANGEMENTS. INSTALL ALL LIGHT FIXTURES WITH LAMPS AS REQUIRED.
8. LIGHTING FIXTURES SHALL BE SECURELY FASTENED TO THE STRUCTURE BY A MECHANICAL MEANS THAT COMPLIES WITH REQUIREMENTS FOR SEISMIC EVENTS PER ASCE 7-16.
9. ALL WIRING SHALL BE CONCEALED WHERE POSSIBLE AND INSTALLED IN SUITABLE RACEWAYS. EMT SHALL BE USED (3/4" MIN) FOR LIGHTING AND POWER BRANCH CIRCUITRY. EMT SHALL BE USED FOR EQUIPMENT FEEDERS. SCHEDULE 40 PVC SHALL BE USED UNDERGROUND.
10. RECEPTACLES INSTALLED BACK TO BACK IN FIRE RATED WALLS SHALL BE A MINIMUM OF 24" APART AND SHALL NOT OCCUPY THE SAME STUD CAVITY.
11. DISCONNECT SWITCHES SHALL BE FURNISHED AS SHOWN ON THE DRAWINGS WITH VOLTAGE RATING, AMPERAGE RATING AND NUMBER OF POLES AS INDICATED. PROVIDE NEMA 3R TYPE WHERE EXPOSED TO WEATHER. PROVIDE HEAVY DUTY TYPE SWITCHES.
12. FUSES FOR FUSIBLE SWITCHES SHALL BE OF THE DUAL ELEMENT, REJECTION TYPE.
13. DISCONNECT SWITCHES SHALL HAVE EXTERNAL SWITCH HANDLE, SWITCH AND DOOR SHALL BE INTERLOCKED SUCH THAT THE DOOR CAN NOT BE OPENED UNLESS THE SWITCH IS IN THE OPENED POSITION.
14. ALL WIRE SHALL BE SINGLE CONDUCTOR STRANDED, COPPER SIZED AS INDICATED ON THE DRAWINGS. MINIMUM SIZE SHALL BE #12 AWG.
15. SOLID WIRE MAY BE USED FOR #12 AND #10 AWG WIRE USED ON LIGHTING FIXTURES, RECEPTACLES AND SWITCHES ONLY.
16. INSULATION OF WIRE SHALL BE 75 DEGREES CELSIUS (THHN, THWN), 600 VOLT.
17. UNLESS INDICATED ON THE DRAWINGS, ALL WIRING SHALL BE #12 AWG. CONTRACTOR SHALL CONFIRM AND ROUTE THE PROPER QUANTITY OF WIRES AND SIZE OF CONDUIT TO FIT THE APPLICATION AND THE CIRCUITRY INDICATED.
18. CONTRACTOR SHALL PROVIDE A PROPERLY SIZED, GREEN COLORED INSULATED GROUNDING CONDUCTOR IN ALL CONDUITS. THIS CONDUCTOR IS NOT INDICATED IN THE HASH MARKS ON THE CONDUIT RUNS ON THE PLANS.
19. INSTALL A COMPLETE GROUNDING SYSTEM IN ACCORDANCE WITH NEC ARTICLE 250 AND THESE SPECIFICATIONS. GROUNDING SYSTEM SHALL BE ELECTRICALLY CONTINUOUS THROUGHOUT.
20. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE LOCAL POWER AND TELEPHONE UTILITY COMPANIES FOR ALL COST REQUIREMENTS AND METHODS FOR THE NEW SERVICES INDICATED. PROVIDE ALL MATERIALS AND LABOR AS DIRECTED BY THE LOCAL UTILITY SERVICES FOR A COMPLETE AND OPERABLE INSTALLATION.
21. PANELBOARDS SHALL BE PROVIDED WITH DISTRIBUTIVE PHASING AND RATINGS AND BREAKER REQUIREMENTS AS PER SCHEDULES. LABEL ALL PANELS AND PROVIDE TYPEWRITTEN CIRCUIT DIRECTORIES.
22. THE SHORT CIRCUIT RATING OF ALL SERVICE EQUIPMENT AND PANELBOARDS SHALL BE NO LESS THAN THAT INDICATED ON THE PANEL SCHEDULES UNLESS BEFORE PURCHASING EQUIPMENT, THE ELECTRICAL CONTRACTOR CONTACTS THE LOCAL UTILITY COMPANY PROVIDING SERVICE AND OBTAIN IN WRITING THE MAXIMUM SHORT CIRCUIT CURRENT SUPPLIED TO THE SERVICE EQUIPMENT. ALL EQUIPMENT SHALL BE RATED AND COORDINATED TO NO LESS THAN THAT SUPPLIED.
23. TRANSFORMERS SHALL BE FLOOR MOUNTED, GENERAL PURPOSE DRY TYPE AND OF THE KVA RATING AS INDICATED ON THE PLANS. ALL SHALL BE VENTILATED, 150°C TEMP RISE, CORE AND COIL ASSEMBLIES MOUNTED ON RUBBER ISOLATION PADS TO MINIMIZE THE SOUND LEVEL. SQUARE "D" CLASS 7410 SERIES OR EQUAL.

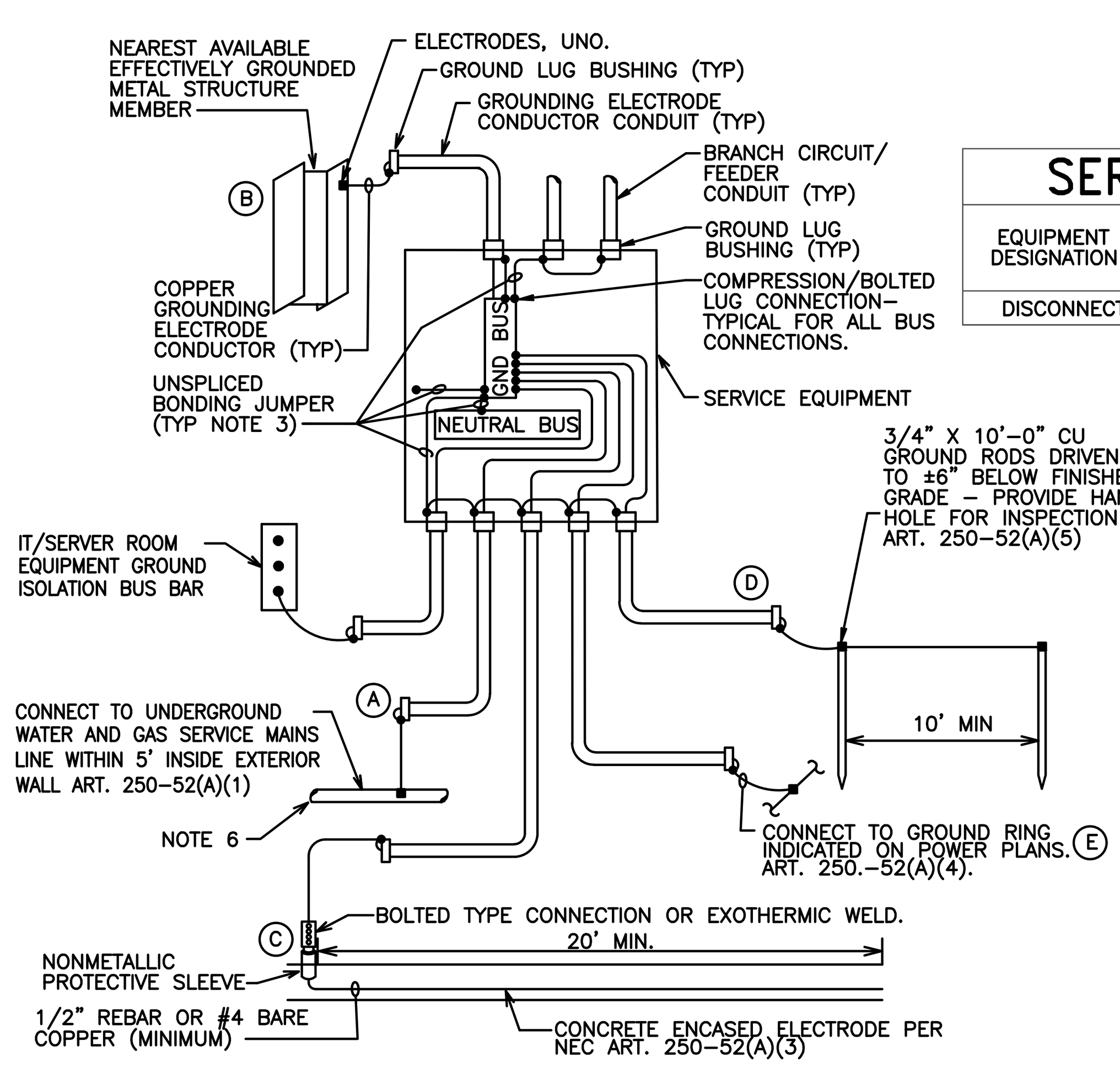


1 / E0.2 ELECTRICAL RISER DIAGRAM
N.T.S.

PANELBOARD: "RP"						VOLTAGE: 120/208V, 3ø, 4W				
MOUNTING: SURFACE						MAINS: MCB	MIN. AIC RATING: 10,000A			
						TRIP: 150A	FRAME: 200A	PHASE LOAD VA		
LOAD	DESCRIPTION	CKT.	TRIP	TRIP	CKT.	DESCRIPTION	LOAD	L1	L2	L3
1080	L.-WAREHOUSE	1	20	20	2	R.-MOTORIZED DOOR	1000	2080		
1080	L.-WAREHOUSE	3	20	20	4	R.-MOTORIZED DOOR	1000		2080	
800	L.-EXTERIOR	5	20	20	6	R.-WAREHOUSE RECEPTS.	360			1160
1200	WEF-1	7	20	20	8	R.-WAREHOUSE RECEPTS.	360	1560		
1200	↓	9	↓	20	10	R.-WAREHOUSE RECEPTS.	360		1560	
500	LV-1 & LV-2	11	20	20	12	SPARE				500
	SPARE	13	20	20	14	SPARE				
	SPARE	15	20	20	16	SPARE				
	SPARE	17	20	15	18	SPARE				
	SPARE	19	20	15	20	SPARE				
	SPARE	21	20	20	22	SPARE				
	SPARE	23	20	20	24	SPARE				
	SPACE	25			26	SPACE				
	SPACE	27			28	SPACE				
	SPACE	29			30	SPACE				
	SPACE	31			32	SPACE				
	SPACE	33			34	SPACE				
	SPACE	35			36	SPACE				
	SPACE	37			38	SPACE				
	SPACE	39			40	SPACE				
	SPACE	41			42	SPACE				

TOTAL L1	3640
TOTAL L2	3640
TOTAL L3	1660
TOTAL VA	8940

25 AMPS CONNECTED @ 208V, 3PH



SERVICE GROUNDING SCHEDULE

EQUIPMENT DESIGNATION	GROUNDING ELECTRODE/ JUMPER CONDUCTOR	CON-DUIT SIZE	APPLICABLE GROUNDING ELECTRODE CONNECTIONS	REMARKS
DISCONNECT	#4	1"	(A) (B) AND (C)	SERVICE EQUIPMENT

NOTES:
1. THIS DETAIL APPLIES TO ALL EQUIPMENT INDICATED ON THE SERVICE GROUNDING SCHEDULE INDICATED.
2. SEE GROUNDING ELECTRODE CONDUCTOR SCHEDULE ABOVE FOR: EQUIPMENT DESIGNATIONS (PANELBOARDS, SWITCHBOARDS, ETC), CONDUCTOR SIZES, RELATED CONDUIT SIZES AND APPLICABLE INDICATED FOR EQUIPMENT, OR PROVIDE BUS LINK ACCESSORY BY GROUNDING ELECTRODE CONNECTIONS ((A)(B)(C)(D)(E)).
3. BONDING JUMPERS INDICATED SHALL BE SIZED IAW NEC, AND NO LESS THAN GROUND AND GROUNDING ELECTRODE CONDUCTORS

   EQUIPMENT MANUFACTURER FOR NEUTRAL/GROUND CONNECTION.
4. PHASE, NEUTRAL, AND ISOLATED GROUND CONDUCTORS FOR LOADS SERVED BY EQUIPMENT INDICATED ARE NOT SHOWN FOR CLARITY.
5. WORK INDICATED ON THIS DETAIL IS IN ADDITION TO GROUNDING WORK INDICATED ON OTHER DRAWINGS.
6. PROVIDE BONDING JUMPER ACROSS METERS AND NON-CONDUCTIVE SECTIONS OF ALL METALLIC PIPING SYSTEMS. CONNECT ALL METALLIC PIPING SYSTEMS TO SERVICE EQUIPMENT ENCLOSURE WITH BONDING JUMPER.
7. GROUNDING ELECTRODE CONDUCTORS SHALL BE COPPER, AND CONTINUOUS WITH NO SPLICES, UNLESS NOTED OTHERWISE. CONNECTIONS TO GROUNDING ELECTRODES SHALL BE EXOTHERMIC TYPE, UNLESS NOTED OTHERWISE.

2 / E0.2 TYPICAL GROUNDING DETAIL - SERVICE EQUIPMENT
N.T.S.

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ELECTRICAL SPECIFICATION, RISER DIAGRAM, & DETAILS

E0.1

GENERAL LIGHTING NOTES:

1. MANUFACTURERS & NUMBERS ARE LISTED TO ESTABLISH QUALITY ONLY AND NOT TO LIMIT COMPETITION. TEN DAYS PRIOR TO BIDDING, SUBSTITUTIONS ARE ALLOWED SUBJECT TO SUBMITTAL DATA, PHOTOMETRICS & ENGINEERS APPROVAL AS REQUIRED BY SPECIFICATIONS.
2. ALL FIXTURES TO BE U.L. LISTED. ALL EXTERIOR FIXTURES SHALL HAVE U.L. WET LABEL OR DAMP LABEL AS REQUIRED BY LOCATION. CONTRACTOR SHALL VERIFY BEFORE INSTALLING FIXTURE.
3. CONTRACTOR SHALL PROVIDE ALL MOUNTING ACCESSORIES, BAR HANGARS & HARDWARE REQUIRED FOR A COMPLETE SYSTEM.
4. EMERGENCY BATTERY DRIVER WHEN INDICATED IN LED FIXTURES, SHALL PROVIDE A MINIMUM OF 1300 LUMEN OUTPUT. DRIVER SHALL CONTAIN INTEGRAL SENSING CIRCUIT TO ALLOW FIXTURE TO BE SWITCHED WITH AREA FIXTURES FOR NORMAL OPERATION WHERE INDICATED, AND ENERGIZED EQUALLY UPON LOSS OF POWER CIRCUIT, REGARDLESS OF SWITCH POSITION.
5. CONTRACTOR TO COORDINATE AND DETERMINE EXACT MOUNTING HEIGHTS OF ALL INTERIOR AND EXTERIOR WALL MOUNTED LIGHT FIXTURES IN FIELD PRIOR TO ROUGH-IN. FIXTURES TO BE UNIFORM AND CONSISTENT IN ALL APPLICATIONS.

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	FIXTURE DESCRIPTION	ACCEPTABLE MANUFACTURERS	LAMPS	FIXTURE WATTAGE	VOLTAGE
EL	EXTERIOR WEATHERPROOF EMERGENCY EXTERIOR LED LIGHT FIXTURE WITH PE CELL.	EMERGILITE # LUX-ACDS-P	BY MANUFACTURER	12	MULTI
EL ALT.	EXTERIOR WEATHERPROOF EMERGENCY EXTERIOR LED LIGHT FIXTURE WITH PE CELL.	SLG LIGHTING # WCE-L13-G1-120/277V-PC-FSK-DB	BY MANUFACTURER	12	MULTI
EM	WALL MOUNTED SPECIFICATION GRADE TWIN-HEAD EMERGENCY LIGHT WITH BATTERY BACKUP, WHITE HOUSING.	EMERGILITE # EL-2LED	BY MANUFACTURER	11	MULTI
EM ALT.	WALL MOUNTED SPECIFICATION GRADE TWIN-HEAD EMERGENCY LIGHT WITH BATTERY BACKUP, WHITE HOUSING.	SLG LIGHTING # EL-TP-G1-120/277V-L-I-W	BY MANUFACTURER	11	MULTI
EXC	COMBINATION EMERGENY LIGHT/EXIT SIGN WITH RED LED ON ON WHITE HOUSING, BATTERY BACKUP, DIFFUSER LENS, AND HIGH OUTPUT BATTERY BALLAST. SPEC. GRADE.	EMERGILITE # ELXN400R-2LEDR	BY MANUFACTURER	10	MULTI
EXC ALT.	COMBINATION EMERGENY LIGHT/EXIT SIGN WITH RED LED ON ON WHITE HOUSING, BATTERY BACKUP, DIFFUSER LENS, AND HIGH OUTPUT BATTERY BALLAST. SPEC. GRADE.	COMPASS # CCRGRC	BY MANUFACTURER	10	MULTI
HL	HIGH BAY INDUSTRIAL LED FIXTURE WITH ALUMINUM REFLECTOR AND INTEGRAL OCCUPANCY SENSOR.	ORACLE # CB2-LED-18000L-DIM10-MVOLT-WD-40K-85	LED	180	MULTI
HL ALT.	HIGH BAY INDUSTRIAL LED FIXTURE VARIABLE LUMEN OUTPUT, AND INTEGRAL OCCUPANCY SENSOR.	COLUMBIA # CLH1-LSCS-EDU-WD	LED	180	MULTI
HLE	HIGH BAY INDUSTRIAL LED FIXTURE WITH ALUMINUM REFLECTOR, INTEGRAL OCCUPANCY SENSOR AND BATTERY BACK UP.	ORACLE # CB2-LED-18000L-DIM10-MVOLT-WD-40K-85-O-EMG-LED-20W	LED	180	MULTI
HLE ALT.	HIGH BAY INDUSTRIAL LED FIXTURE VARIABLE LUMEN OUTPUT, INTEGRAL OCCUPANCY SENSOR AND BATTERY BACK UP.	COLUMBIA # CLH1-LSCS-EDU-WD-ELL25	LED	180	MULTI
WP	IDA DARK-SKY APPROVED WALL-PAK, PRISMATIC GLASS REFLECTOR, DARK BRONZE HOUSING, U.L. WET LOCATION, 16' MAX. MOUNTING HEIGHT.	WILLIAMS # VWPV-L60-7-40	LED	70	MULTI
WP ALT.	IDA DARK-SKY APPROVED WALL-PAK, PRISMATIC GLASS REFLECTOR, DARK BRONZE HOUSING, U.L. WET LOCATION, 16' MAX. MOUNTING HEIGHT.	BEACON # VPW2-48L-4K7-XX-UNV-XX	LED	70	MULTI

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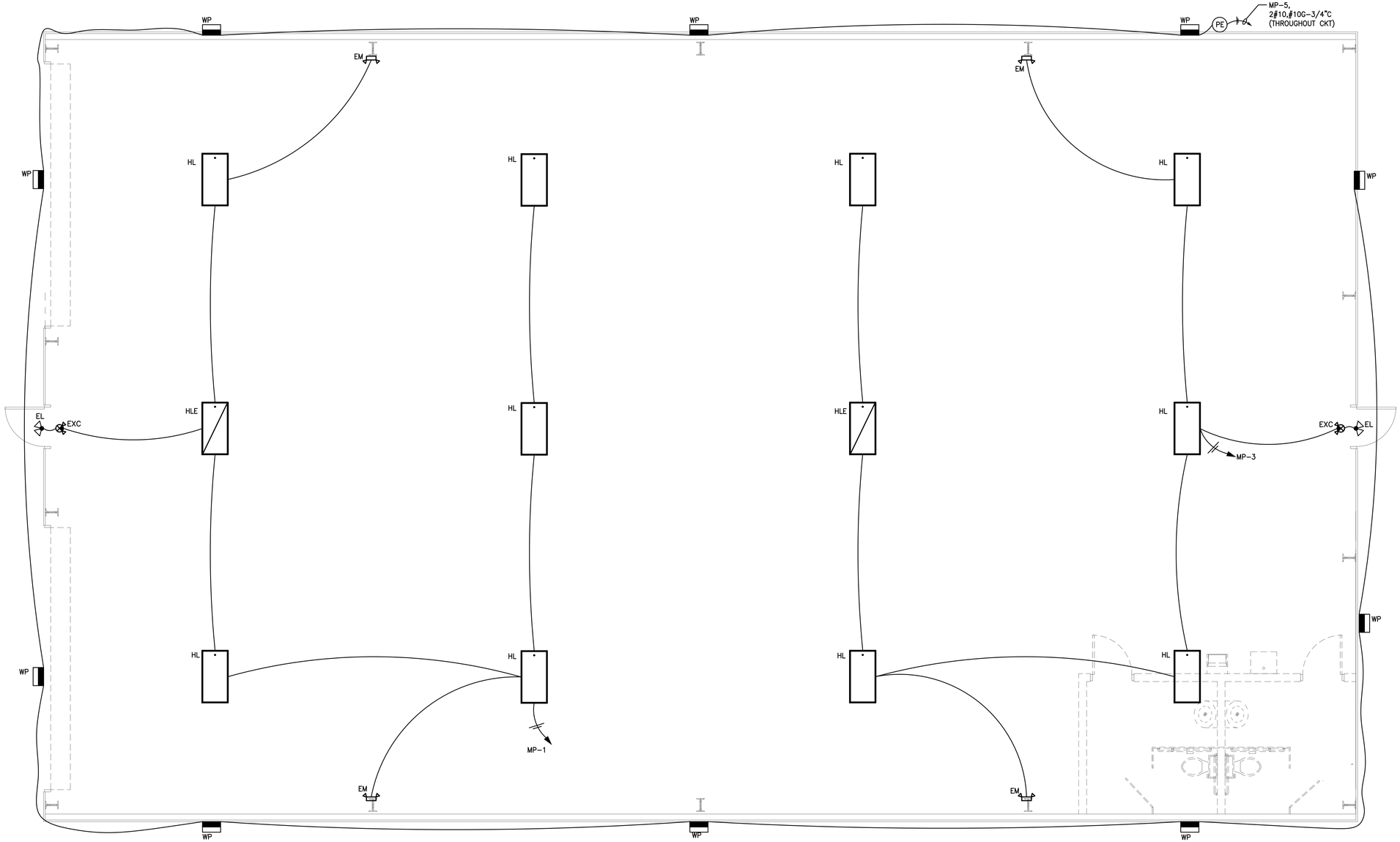
ELECTRICAL LIGHT FIXTURE SCHEDULE

E0.2



1 E1.1 ELECTRICAL LIGHTING PLAN

1/4" = 1'-0"

ELECTRICAL NOTES:

1. FOR DRAWING CLARITY, INDIVIDUAL BRANCH CIRCUIT HOMERUNS ARE INDICATED. ELECTRICAL CONTRACTOR MAY RUN UP TO (3) 20A BRANCH CIRCUITS IN A SINGLE HOMERUN TO A COMMON PANEL.
2. PULL AN UNSWITCHED LEG OF THE LOCAL LIGHTING CIRCUIT TO ALL EXIT, EMERGENCY, AND NIGHT LIGHTING FIXTURES SHOWN UNLESS INDICATED OTHERWISE ON PLANS.
3. DETERMINE EXACT LOCATION FOR ALL LIGHT FIXTURES AND LIGHTING CONTROLS IN FIELD. COORDINATE WITH ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES.

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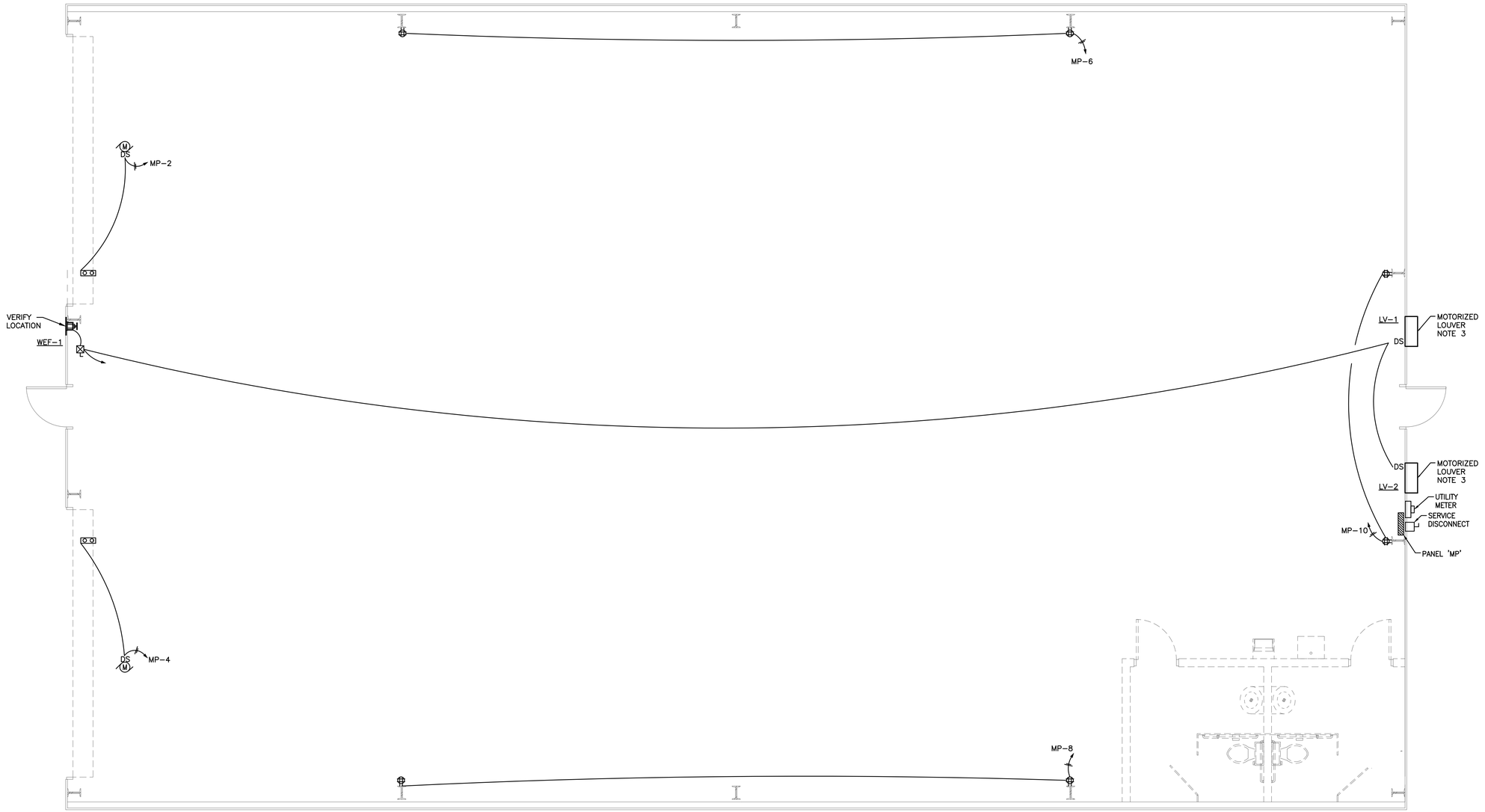
ELECTRICAL LIGHTING PLAN

E1.1



1 E2.1 ELECTRICAL POWER PLAN

1/4" = 1'-0"

MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE

EQUIP.	CIRCUIT #	FEEDER	LOCAL DISCONNECT/STARTER	NOTES
WEF-1	RP-7/9	2#10,#12G-3/4"C	30/2/F/3R/SIZE 1	1,2,3
LV-1	RP-11	2#12,#12G-3/4"C	TOGGLE TYPE	1,2,3
LV-2	RP-11	2#12,#12G-3/4"C	TOGGLE TYPE	1,2,3

NOTES:

1. CONTRACTOR TO COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT. LOCATION OF MECHANICAL EQUIPMENT SHOWN ARE FOR GENERAL INFORMATION PURPOSES ONLY.
2. INSTALL DISCONNECTING MEANS ADJACENT AND ACCESSIBLE TO ALL MECHANICAL EQUIPMENT. FIELD COORDINATE EXACT MOUNTING LOCATION.
3. PROVIDE ALL NECESSARY INTERCONNECTION WIRING BETWEEN EF & MOTORIZED LOUVER.

POWER NOTES:

1. FOR DRAWING CLARITY, INDIVIDUAL BRANCH CIRCUIT HOMERUNS ARE INDICATED. ELECTRICAL CONTRACTOR MAY RUN UP TO (3) 20A BRANCH CIRCUITS IN A SINGLE HOMERUN TO A COMMON PANEL.
2. VERIFY ALL LOCATIONS, ELECTRICAL CIRCUIT AND CONNECTION REQUIREMENTS FOR ALL HVAC AND PLUMBING EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. SEE "MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE" FOR CIRCUIT AND WIRING REQUIREMENTS FOR ALL HVAC EQUIPMENT.
3. INTERLOCK MOTORIZED LOUVER TO OPERATE WITH EXHAUST FAN "WEF-1".

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ELECTRICAL POWER PLAN

E2.1