

2018 APPENDIX B - BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

REPRODUCED: 2018 NC ADMINISTRATIVE CODE AND POLICIES

NAME OF PROJECT: NEW EQUIPMENT SHELTER
 ADDRESS: PUBLIC WORKS 18 OLD SCHOOL RD ARCHDALE, NC ZIP CODE: 27283
 PROPOSED USE: STORAGE (GARAGE)

OWNER/AUTHORIZED AGENT
 OWNED BY: CITY/COUNTY PRIVATE STATE E-MAIL
 CODE ENFORCEMENT JUSTIFICATION: CITY (HIGH POINT) COUNTY STATE

CONTACT: GARY R. ROBBINS

DESIGNER: FIRM: ROBBINS ARCHITECTURE, PA NAME: GARY R. ROBBINS LICENSE # 5327 TELEPHONE # 336-454-6753 EMAIL: Gary@robbsarch.com
 ARCHITECTURAL: DANIEL PRITCHETT 11659 (336) 886-5523 Dan@jamesstownengineering.com
 CIVIL: DAN CAMPBELL 14037 (336) 370-4980 DC@JAMESSTOWNENGINEERING.COM
 ELECTRICAL: DAN CAMPBELL 14037 (336) 370-4980 DC@JAMESSTOWNENGINEERING.COM
 FIRE ALARM: _____
 PLUMBING: _____
 MECHANICAL: _____
 SPRINKLER-STANDPIPE: _____
 STRUCTURAL: LEATHERS ENGINEERING DAN LEATHERS 12334 (336) 554-2027 Leathers@led.com
 RETAINING WALLS > 5' HIGH: _____
 OTHER: _____

2018 EDITION OF NC CODE FOR: NEW BUILDING ADDITION RENOVATION
 FIRST TIME INTERIOR COMPLETION SHELL/CORE PHASED CONSTRUCTION - SHELL/CORE

2018 NC EXISTING BUILDING CODE: PRESCRIPTIVE REPAIR CHAPTER 14
 ALTERATION: LEVEL I LEVEL II LEVEL III

CONSTRUCTED (Date) _____ CURRENT OCCUP. (Ch.) _____ EQUIPMENT SHELTER
 RENOVATED (Date) _____ PROPOSED OCCUP. (Ch.) _____

OCCUPANCY CATEGORY: (Table 1604.5) CURRENT I II III IV
 PROPOSED I II III IV

BASIC BUILDING DATA

CONSTRUCTION TYPE: I-A I-B I-C I-D I-E I-F I-G I-H I-I I-J I-K I-L I-M I-N I-O I-P I-Q I-R I-S I-T I-U I-V I-W I-X I-Y I-Z

SPRINKLERS: NO PARTIAL YES NFPA 13 NFPA 13R NFPA 13D

STANDPIPES: NO YES CLASS: I II III WET DRY

PRIMARY FIRE DISTRICT: NO YES FLOOD HAZARD AREA: NO YES

SPECIAL INSPECTIONS REQUIRED: NO YES

GROSS BUILDING AREA CODE

FLOOR	NEW (SQ FT)	AREA OF WORK (SQ FT)	SUB-TOTAL
3 RD			
2 ND			
MEZZANINE	7,404		
1 ST			
BASEMENT / GROUND LEVEL			
TOTAL	7,404		

ALLOWABLE AREA

PRIMARY OCCUPANCY: ASSEMBLY A-1 A-2 A-3 A-4 A-5
 BUSINESS B-1 B-2 B-3 B-4 B-5
 EDUCATIONAL E-1 E-2 E-3 E-4 E-5
 FACTORY F-1 F-2 F-3 F-4 F-5
 HAZARDOUS H-1 H-2 H-3 H-4 H-5
 INSTITUTIONAL I-1 I-2 I-3 I-4 I-5
 MERCHANTILE M-1 M-2 M-3 M-4
 RESIDENTIAL R-1 R-2 R-3 R-4
 STORAGE S-1 S-2 S-3 S-4
 UTILITY AND MISCELLANEOUS U-1 U-2 U-3 U-4

ACCESSORY OCCUPANCY CLASSIFICATION(S): _____
 INCIDENTAL USES (TABLE 509) _____
 SPECIAL USES: (CHAPTER 4 - LIST CODE SECTIONS) _____
 SPECIAL PROVISIONS: (CHAPTER 5 - LIST CODE SECTIONS) _____
 MIXED OCCUPANCY: NO YES SEPARATION: N/A HR. EXCEPTION: _____
 NON-SEPARATED USE (508.03)
 SEPARATED USE (508.04) (SEE BELOW FOR AREA OF CALCULATIONS)

ACTUAL AREA OF OCCUPANCY A _____ ACTUAL AREA OF OCCUPANCY B _____
 ALLOWABLE AREA OF OCCUPANCY A _____ ALLOWABLE AREA OF OCCUPANCY B _____

STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE ¹	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ²
1	STORAGE	7,404	26,000	--	--

- FRONTAGE AREA INCREASES FROM SECTION 506.2 ARE COMPUTED THIS:
 - PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = _____ (F)
 - TOTAL BUILDING PERIMETER = _____ (P)
 - RATIO (F/P) = _____ (FP)
 - IF = MINIMUM WIDTH OF PUBLIC WAY = _____ (W)
 - PERCENT OF FRONTAGE INCREASE $I_f = 100(F/P) \times W/20 =$ _____ (%)
- UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.
- MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING x (MAXIMUM 3 STORIES) (506.2)
- THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.4.
- FRONTAGE INCREASE IS BASED ON THE UNSPRINKLERED AREA VALUE IN TABLE 506.2.

ALLOWABLE HEIGHT

BLD. HEIGHT IN FT. (TABLE 504.3) ¹	ALLOWABLE	SHOW ON PLANS	CODE REFERENCE
55	21		
BLD. HEIGHT IN STORIES (TABLE 504.4)	3	1	

1 PROVIDE CODE REFERENCE IF THE "SHOW ON PLANS" IS NOT BASED ON TABLE 504.3 OR 504.4
 2 THE MAXIMUM HEIGHT OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 412.3.1.
 3 THE MAXIMUM HEIGHT OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.4.

FIRE PROTECTION REQUIREMENTS (EXISTING BUILDING)

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQ'D	PROVIDED (W/ REDUCTION)	DETAIL # AND SHEET #	DESIGN FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES							
BEARING WALLS							
EXTERIOR							
NORTH	N/A						
EAST	N/A						
WEST	N/A						
SOUTH	N/A						
INTERIOR							
NONBEARING WALLS AND PARTITIONS							
EXTERIOR WALLS							
NORTH	N/A						
EAST	N/A						
WEST	N/A						
SOUTH	N/A						
INTERIOR WALLS AND PARTITIONS							
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOIST	0						
FLOOR CEILING ASSEMBLY	0						
COLUMNS SUPPORTING FLOORS	N/A						
ROOF CONSTRUCTION INCLUDING SUPPORT BEAMS & JOIST	0						
ROOF CEILING ASSEMBLY	0						
COLUMNS SUPPORTING ROOF	0						
SHAFT ENCLOSURES - EXIT	N/A						
SHAFT ENCLOSURES - OTHER	N/A						
CORRIDOR SEPARATION	N/A						
OCCUPANCY / FIRE BARRIER SEPARATION	N/A						
PARTY / FIRE WALL SEPARATION	N/A						
SMOKE BARRIER SEPARATION	N/A						
SMOKE PARTITION	N/A						
TENANT / DWELLING UNIT / SLEEPING UNIT SEPARATION	N/A						
INCIDENTAL USE SEPARATION	N/A						

* INDICATES SECTION NUMBER PERMITTING REDUCTION

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS

EMERGENCY LIGHTING: NO YES EXISTING _____
 EXIT SIGNS: NO YES EXISTING _____
 FIRE ALARM: NO YES EXISTING _____
 SMOKE DETECTION SYSTEM: NO YES PARTIAL _____
 CARBON MONOXIDE DETECTION: NO YES _____

LIFE SAFETY PLAN REQUIREMENTS

LIFE SAFETY PLAN SHEET # - NOT APPLICABLE - OPEN EQUIPMENT SHELTER

FIRE AND/OR SMOKE RATE WALL LOCATIONS (CHAPTER 7)
 ASSUMED AND REAL PROPERTY LINE LOCATIONS (IF NOT ON SITE PLAN)
 EXTERIOR WALL OPENING AREA WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES (705.8)
 OCCUPANCY USE FOR EACH AREA AS IT RELATES TO OCCUPANT LOAD CALCULATION (TABLE 1004.1.2)
 OCCUPANT LOADS FOR EACH AREA
 EXIT ACCESS TRAVEL DISTANCE (1017)
 COMMON PATH OF TRAVEL DISTANCES (1006.2.1 & 1006.3.2(1))
 DEAD END LENGTHS (1020.9)
 CLEAR EXIT WIDTHS FOR EACH EXIT DOOR
 MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1005.3)
 ACTUAL OCCUPANT LOAD FOR EACH EXIT DOOR
 A SEPARATE SCHEMATIC PLAN INDICATING WHERE FIRE RATED FLOOR/CEILING AND/OR ROOF STRUCTURE IS PROVIDED FOR PURPOSES OF OCCUPANCY SEPARATION
 LOCATION OF DOORS WITH PANIC HARDWARE (1010.1.10)
 LOCATION OF DOORS WITH DELAYED EGRESS LOCKS AND THE AMOUNT OF DELAY (1010.1.9.7)
 LOCATION OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1010.1.9.9)
 LOCATION OF DOORS WITH HOLD-OPEN DEVICES
 LOCATION OF EMERGENCY ESCAPE WINDOWS (1030)
 THE SQUARE FOOTAGE OF EACH FIRE AREA (1003)
 THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT FOR OCCUPANCY CLASSIFICATION I-2 (407.5)
 NOTE ANY CODE EXCEPTIONS OR TABLE NOTES THAT MAY BE UTILIZED REGARDING THE ITEMS ABOVE

ACCESSIBLE DWELLING UNITS
(SECTION 1107) (N/A)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING
(SECTION 1106) (N/A EXISTING)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED		TOTAL # ACCESSIBLE UNITS PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESSIBLE	VAN SPACE WITH 13' ACCESSIBLE	
TOTAL					

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

EXISTING TOILETS WITHIN 500' OF STRUCTURE IN OFFICE / MAINTENANCE BUILDING

USE	WATERCLOSETS			URINALS	LAVATORIES			SHOWERS/ TUBS		DRINKING FOUNTAINS	
	FEMALE	UNI-SEX	MALE		FEMALE	UNI-SEX	MALE	MALE	FEMALE	REGULAR	ACCESSIBLE
EXISTING											
NEW											
REQUIRED	0	0	0	0	0	0	0	0	0	0	

SPECIAL APPROVALS
(N/A OPEN SHELTER)

SPECIAL APPROVAL: (LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, ETC, DHS, ICC, ECT., DESCRIBE BELOW)

ENERGY SUMMARY
(N/A OPEN SHELTER)

ENERGY REQUIREMENTS: THE FOLLOWING SHALL BE CONSIDERED MINIMUM AND ANY SPECIAL ATTENTION REQUIRED TO MEET THE ENERGY CODE SHALL ALSO BE PROVIDED. EACH DESIGNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFORMATION FOR THE PLAN DATA SHEET. IF PROPOSED METHODS DIFFER FROM ENERGY CODE FOR THE STANDARD REFERENCE DESIGN, THE ANNUAL ENERGY COST FOR THE PROPOSED DESIGN:

EXISTING BUILDING ENVELOPE COMPLIES WITH CODE: NO YES (THE REMAINDER OF THIS SECTION IS NOT APPLICABLE)

EXEMPT BUILDING: NO YES (PROVIDE CODE OR STATUTORY REFERENCE)

CLIMATE ZONE: 3A 4A 5A

METHOD OF COMPLIANCE: ENERGY CODE PERFORMANCE PRESCRIPTIVE
 ASHRAE 90.1 PERFORMANCE PRESCRIPTIVE
 OTHER: _____

THERMAL ENVELOPE (PRESCRIPTIVE METHOD ONLY)

ROOF/CEILING ASSEMBLY (EACH ASSEMBLY)
 DESCRIPTION OF ASSEMBLY: _____
 U-VALUE OF TOTAL ASSEMBLY: _____
 R-VALUE OF INSULATION: _____
 SKYLIGHTS IN EACH ASSEMBLY
 U-VALUE OF SKYLIGHT: _____
 TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN EACH ASSEMBLY: _____

EXTERIOR WALLS (EACH ASSEMBLY)
 DESCRIPTION OF ASSEMBLY: _____
 U-VALUE OF TOTAL ASSEMBLY: _____
 R-VALUE OF INSULATION: _____
 OPENINGS (WINDOWS OR DOORS WITH GLAZING)
 U-VALUE OF ASSEMBLY: _____
 SQUARE HEAT GAIN COEFFICIENT: _____
 PROTECTION FACTOR: _____
 DOOR R-VALUES: _____

WALLS BELOW GRADE (EACH ASSEMBLY)
 DESCRIPTION OF ASSEMBLY: _____
 U-VALUE OF TOTAL ASSEMBLY: _____
 R-VALUE OF INSULATION: _____

FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY)
 DESCRIPTION OF ASSEMBLY: _____
 U-VALUE OF TOTAL ASSEMBLY: _____
 R-VALUE OF INSULATION: _____

FLOORS SLAB ON GRADE
 DESCRIPTION OF ASSEMBLY: _____
 U-VALUE OF TOTAL ASSEMBLY: _____
 R-VALUE OF INSULATION: _____
 HORIZONTAL/VERTICAL REQUIREMENT: _____
 SLAB HEATED: _____

STRUCTURAL DESIGN
(SEE STRUCTURAL PLANS)

DESIGN LOADS:
 IMPORTANCE FACTORS: SNOW (I_s) _____
 SEISMIC (I_e) _____

LIVE LOAD:
 ROOF _____ PSF
 MEZZANINE _____ PSF
 FLOOR _____ PSF
 GROUND SNOW LOAD: _____ PSF

WIND LOAD: ULTIMATE WIND SPEED _____ MPH (ASCE-7)
 EXPOSURE CATEGORY _____

SEISMIC DESIGN CATEGORY A B C D

PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS

RISK CATEGORY (TABLE 1604.5) I II III IV

SPECTRAL RESPONSE ACCELERATION S_s _____ % S_1 _____ %

SITE CLASSIFICATION (ASCE 7) A B C D E F

DATA SOURCE: FIELD TEST PRESUMPTIVE HISTORICAL DATA

BASIC STRUCTURAL SYSTEM
 BEARING WALL DUAL W/ SPECIAL MOMENT FRAME
 BULKHEAD FRAME DUAL W/ INTERMEDIATE R/C OR SPECIAL STEEL
 MOMENT FRAME INVERTED PENDULUM
 SIMPLIFIED EQUIVALENT LATERAL FORCE DYNAMIC

ANALYSIS PROCEDURE
 ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED? YES NO DYNAMIC

LATERAL DESIGN CONTROL: EARTHQUAKE WIND

SOIL BEARING CAPACITIES:
 FIELD TEST (PROVIDE COPY OF TEST REPORT) _____ PSF
 PRESUMPTIVE BEARING CAPACITY _____ PSF
 PILE SIZE, TYPE, AND CAPACITY _____

MECHANICAL SUMMARY
(N/A)

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

MECHANICAL ZONE

winter dry bulb
 summer dry bulb
 INTERIOR DESIGN CONDITIONS
 winter dry bulb
 summer dry bulb
 relative humidity
 BUILDING HEATING LOAD
 BUILDING COOLING LOAD

MECHANICAL SPACING CONDITIONING SYSTEM
 Unitary
 description of unit
 heating efficiency
 cooling efficiency
 size category of unit
 Baller
 Size category. If oversized, state reason:
 Other: _____
 Size category. If oversized, state reason:
 LIST EQUIPMENT EFFICIENCIES

ELECTRICAL SUMMARY
(SEE ELECTRICAL PLANS)

ELECTRICAL SYSTEM AND EQUIPMENT

METHOD OF COMPLIANCE: ENERGY CODE: PERFORMANCE PRESCRIPTIVE
 ASHRAE 90.1: PERFORMANCE PRESCRIPTIVE

LIGHTING SCHEDULE

lamp type required in future
 number of lamps in future
 ballast type used in the future
 number of ballasts in future
 total wattage per fixture
 total interior wattage specified vs allowed (whole building or space by space)
 total exterior wattage specified vs allowed

ADDITIONAL EFFICIENCY PACKAGE OPTIONS
 (CHECK ONE OR MORE THAT ARE NOT REQUIRED FOR ASHRAE 90.1)
 C902.2 MORE EFFICIENT HVAC EQUIPMENT PERFORMANCE
 C902.3 REDUCED LIGHTING POWER DENSITY
 C902.4 ENHANCED ELECTRICAL LIGHTING CONTROLS
 C902.5 ON-SITE RENEWABLE ENERGY
 C902.6 DEDICATED OUTDOOR AIR SYSTEM
 C902.7 REDUCED ENERGY USE IN SERVICE WATER HEATING

NEW EQUIPMENT SHELTER

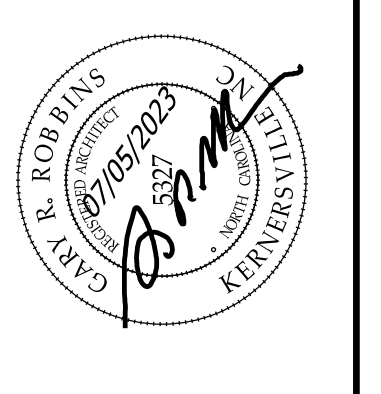
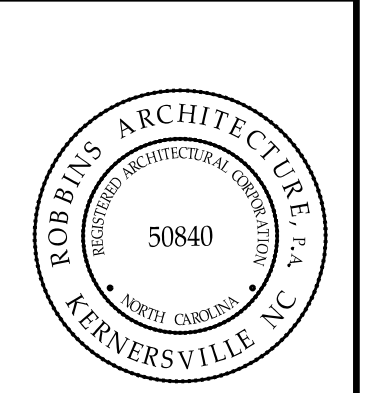
CITY OF ARCHDALE

PUBLIC WORKS

18 OLD SCHOOL RD. ARCHDALE, NC

Robbins Architecture, P.A.
 GARY R. ROBBINS, ARCHITECT

210 N MAIN STREET, SUITE 130 KERNERSVILLE, N.C. 27284
 TEL: 336 - 454 - 6753



COVER SHEET

FOR
MAINTENANCE FACILITY IMPROVEMENTS
 AT
20 OLD SCHOOL ROAD
CITY OF ARCHDALE

RANDOLPH COUNTY - NORTH CAROLINA
 JOB No. 2021003
 FEBRUARY, 2023

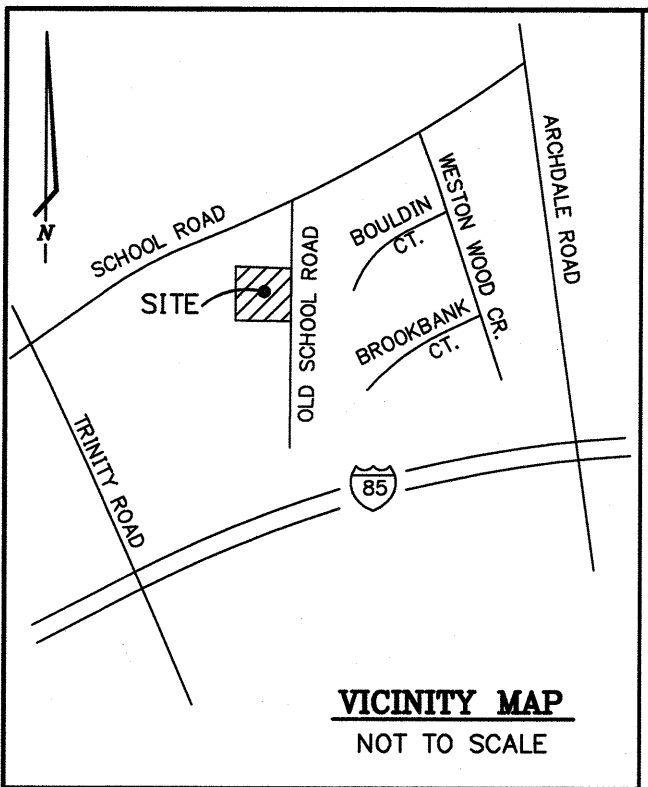
OWNER
 CITY OF ARCHDALE
 307 BALFOUR DRIVE
 ARCHDALE, N.C. 27263

SHEET INDEX

- C-1 COVER SHEET
 - C-2 SITE, FINAL GRADING AND PHASE II EROSION CONTROL PLAN
 - C-3 PHASE I EROSION CONTROL PLAN
 - C-4 WATER QUALITY POND DETAILS
 - C-5 EROSION CONTROL DETAIL SHEET
- NCG01 CONSTRUCTION GENERAL PERMIT REQUIREMENTS

TOTAL DISTURBED AREA = 1.6 AC.

SITE DATA:	
EXISTING ZONING =	M-1
TAX PARCEL 7718127626 D.B. 1071 PG 148 =	1.0 AC.±
TAX PARCEL 7718126504 D.B. 2136 PG 110 =	1.8 AC.±
TAX PARCEL 7718126488 D.B. 2792 PG 962 =	0.3 AC.±
TOTAL SITE AREA:	3.1 AC.±
WATERSHED DATA:	
RANDLEMAN GENERAL WATERSHED AREA	= 1.14 AC.
EX. IMPERVIOUS SURFACE AREA (ISA)	(NOTE: EX. ISA PRIOR TO 1993 = 0.89 AC.)
PROPOSED ISA	0.59 AC.
TOTAL ISA	1.73 AC.
% ISA	55.8%
SOIL TYPE: ENB, HbB	
AVERAGE SLOPE: 5%	
DISTANCE TO FLOODWAY: 1100 LF±	
FLOOD MAP = 3710771800 J	
LATITUDE: 35.8964	
LONGITUDE: -79.9739	
SURFACE WATER CLASSIFICATIONS	
RIVER BASIN: CAPE FEAR	
STREAM NAME: MUDDY CREEK	
STREAM INDES: 17-9-(1)	
CLASSIFICATION: WS-IV	
WET DETENTION POND DATA	
TOTAL DRAINAGE AREA	= 2.8 AC.
EX. ISA (BUILDINGS/PAVEMENT)	= 1.00 AC.
PROPOSED ISA	= 0.59 AC.
FUTURE ALLOWABLE	= 0.26 AC.
TOTAL	1.85 AC.
	= 66.1%



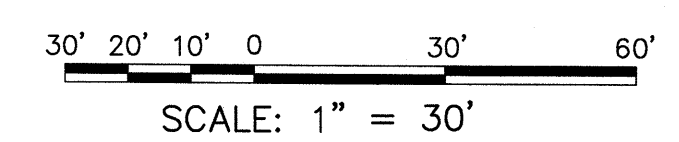
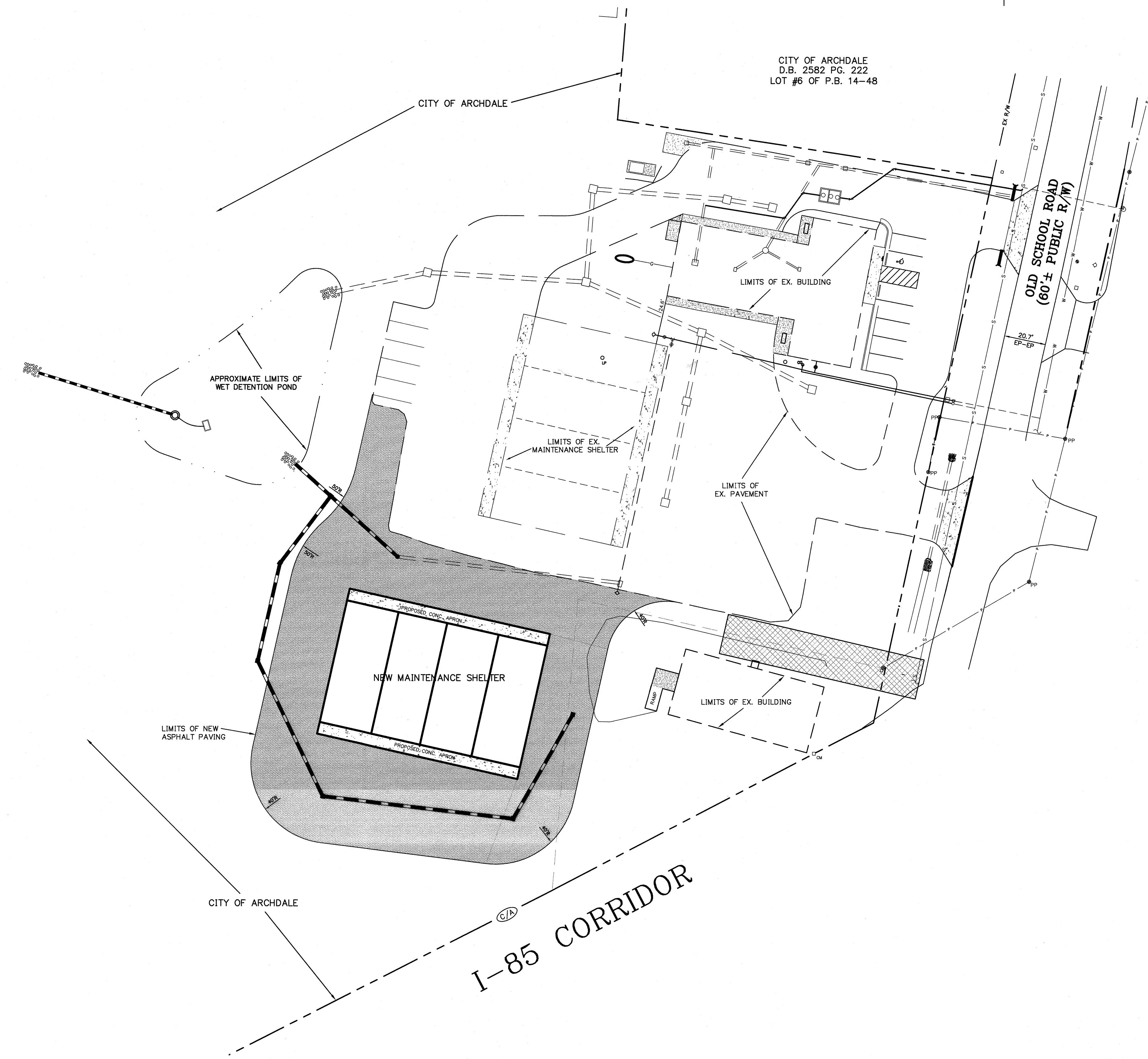
BEFORE YOU DIG!
 CALL 811
 N.C. ONE-CALL CENTER
 IT'S THE LAW!

GENERAL NOTES (APPLY TO ALL SHEETS)

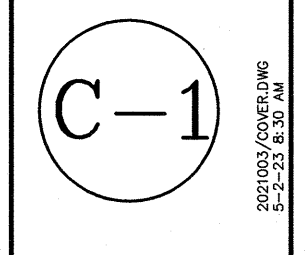
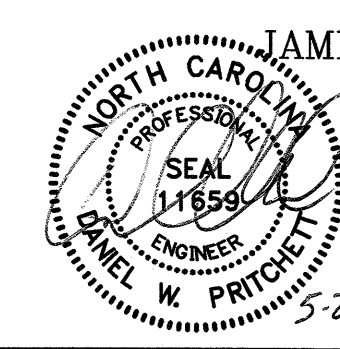
- Limited sub-surface investigations have been performed at the site. The General Contractor is encouraged to perform additional sub-surface investigations prior to establishing his contract price for site grading. It shall be the General Contractor's responsibility to establish cut and fill quantities necessary to provide the final grades indicated on these plans. Fill material not available at the site shall be provided by the General Contractor, or excess material shall be removed/disposed of by the contractor, at no additional cost to the owner. Furthermore, the General Contractor, by way of establishing a contract price for site grading, has acknowledged that he is aware of the limited subsurface information and available fill material or excess material necessary to complete the work, and that his established contract price is sufficient to ensure the proper completion of the project and conditions which may affect the work, including but not restricted to those bearing upon transportation, disposal, handling and storage of materials; water tables or similar conditions at the site; availability of labor, water, electric power, roads, and uncertainties of weather; and the character of equipment and facilities needed preliminary to and during prosecution of the work. Any failure by the Contractor to acquaint himself with these facts will not relieve him from responsibility for estimating properly the difficulty or cost of successfully performing the work. The Owner assumes no responsibility for any conclusions or interpretations made by the Contractor on the basis of the information, if any, made available by the Owner. All fill material shall be placed in conformance with the Geo-Tech Engineer's recommendation, and compacted to a minimum of 95% Standard Proctor density.
- The Contractor shall be responsible for any damage to gas or water pipes, public or private sewers, drains or culverts, railroad or traffic signal cables, telephone or power conduits, or other structures. When utility lines that are to be removed are encountered within the area of operations, the Contractor shall notify the Owner's representative in ample time for the necessary measures to be taken to prevent interruption of the services. Reasonable care has been exercised in showing the location of existing utilities on the plans. The exact location of such utilities is not known in all cases. The Contractor shall explore the area ahead of the grading operation by observations, electronic devices, and by personal contacts with utility companies, and locate such utilities in advance of the trenching or grading operations, and shall conduct his work so as to eliminate or minimize damage to the existing structures or utilities.
- Vertical and horizontal reference points are available from the engineer, and are intended to establish base lines for locating the principal components of the work. From this information the Contractor shall develop and make all detailed surveys needed for construction of all types. Costs associated with the provision of construction lay-out shall be included in the contract price for the related work. In no case shall information provided on the plans relieve the Contractor from his responsibility of providing building locations and dimensions as indicated on the architect's plans. The Contractor shall carefully preserve bench marks, reference points and stakes and, in case of theft or careless destruction, shall be charged with the resulting expense and shall be responsible for any mistake that may be caused by their unnecessary loss or disturbance.
- The General Contractor shall be responsible for conformance with all current local, state, and OSHA safety codes during all phases of the work. Contract prices established for the work shall include costs associated with the provision of safety equipment, and personnel necessary to complete the work, including but not limited to, trench bracing, and personnel licensed by OSHA as competent for evaluating soil stability.

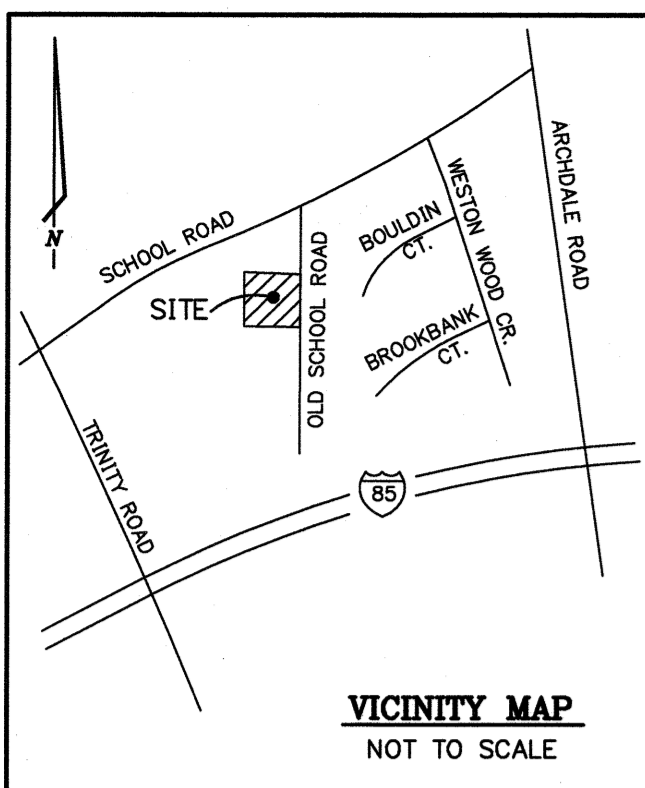
MATERIAL AND INSTALLATION SPECIFICATIONS

- SHOP DRAWINGS FOR ALL MATERIALS WILL BE SUBMITTED TO THE ENGINEER FOR APPROVAL INCLUDING, BUT NOT LIMITED TO, WATER LINE, WATER VALVES, STORM STRUCTURES, STORM PIPING, ASPHALT MIX DESIGNS AND CONCRETE MIX DESIGNS.
- ALL ROADWAY AND STORM DRAINAGE MATERIALS AND METHODS OF INSTALLATION SHALL CONFORM WITH N.C. DEPT. OF TRANSPORTATION STANDARDS INCLUDING, BUT NOT LIMITED TO, ASPHALT PAVEMENT, STONE BASE, 24" STORM PIPE, AND STORM INLET STRUCTURES.
- ALL ROADWAY AND SIDEWALK SUBGRADES SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY OR AS APPROVED BY THE SITE GEO-TECH ENGINEER. NO ASPHALT OR STONE BASE MATERIAL WILL BE INSTALLED UNTIL WHICH TIME THE SITE'S GEO-TECH ENGINEER HAS APPROVED THE SUBGRADE AND STONE BASE. AREAS REQUIRING PLACEMENT OF FILL WITHIN AND ADJACENT TO THE BUILDING WILL BE PLACED IN ACCORDANCE WITH REQUIREMENTS OF THE SITE'S GEO-TECH ENGINEER.
- ALL CUT AND FILL SLOPES SHALL BE 3:1 OR GREATER UNLESS INDICATED OTHERWISE.



JAMESTOWN ENGINEERING GROUP, INC.
 CONSULTING ENGINEERS
 117 E. MAIN STREET
 P.O. BOX 365
 JAMESTOWN, N.C. 27282
 Telephone (336) 886-5523
 C-0626



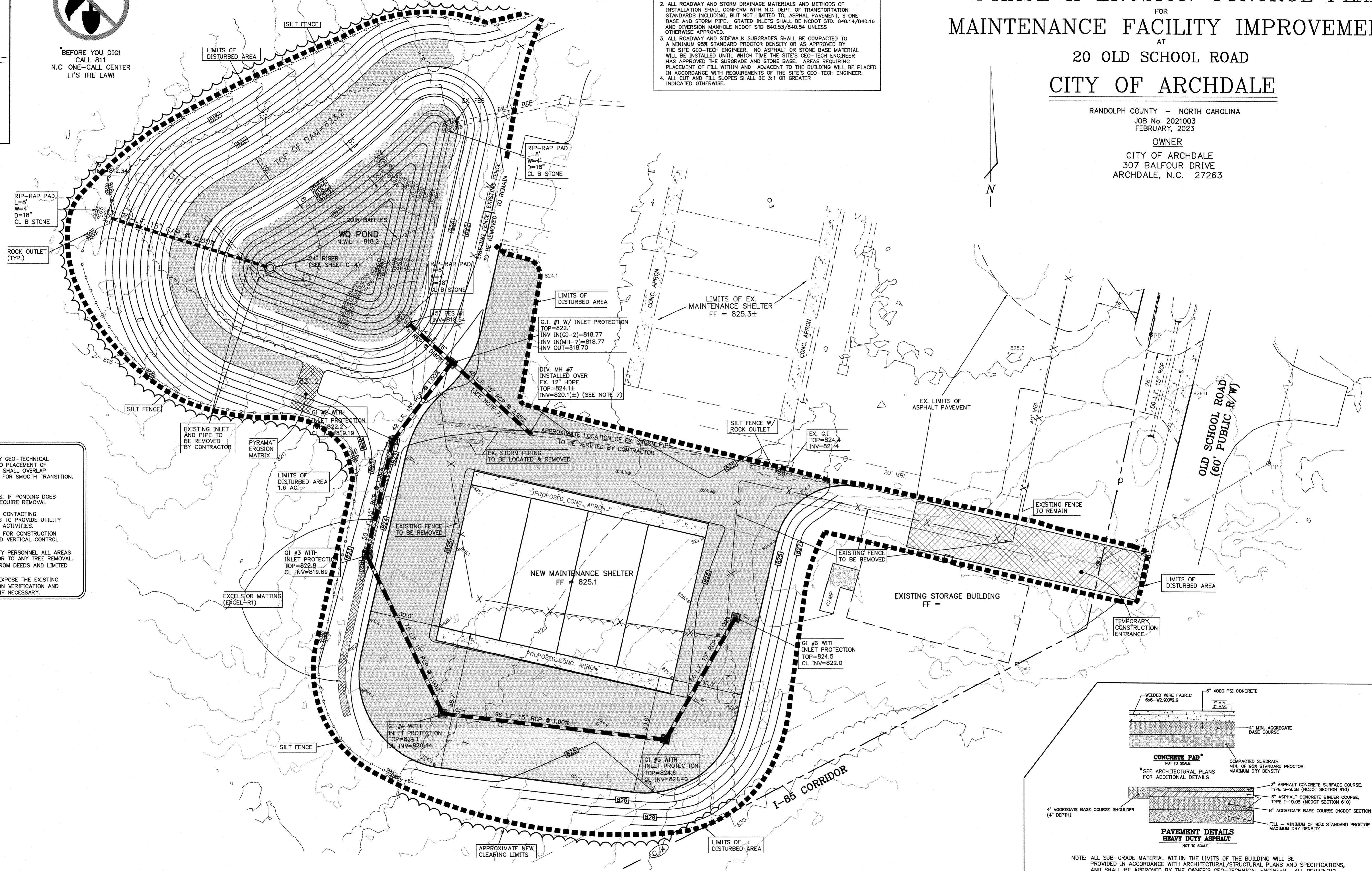


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 - ALL ROADWAY AND SIDEWALK SUBGRADES SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY OR AS APPROVED BY THE SITE GEO-TECH ENGINEER. NO ASPHALT OR STONE BASE MATERIAL WILL BE INSTALLED UNTIL WHICH TIME THE SITE'S GEO-TECH ENGINEER HAS APPROVED THE SUBGRADE AND STONE BASE. AREAS REQUIRING PLACEMENT OF FILL WITHIN AND ADJACENT TO THE BUILDING WILL BE PLACED IN ACCORDANCE WITH REQUIREMENTS OF THE SITE'S GEO-TECH ENGINEER.
 - ALL CUT AND FILL SLOPES SHALL BE 3:1 OR GREATER INDICATED OTHERWISE.

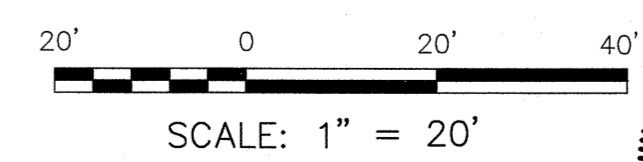
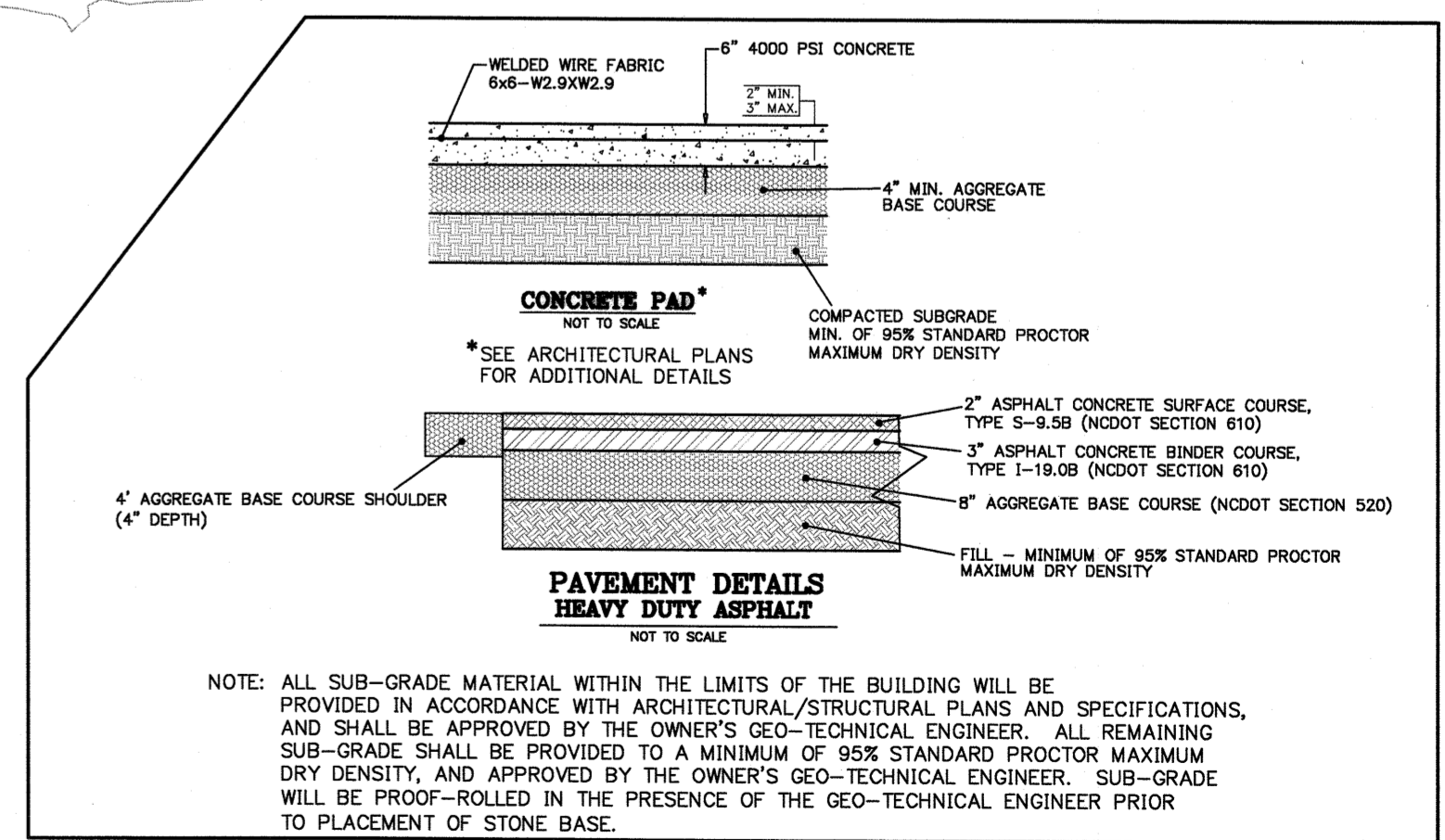
SITE, FINAL GRADING AND PHASE II EROSION CONTROL PLAN

FOR
MAINTENANCE FACILITY IMPROVEMENTS
AT
20 OLD SCHOOL ROAD
CITY OF ARCHDALE

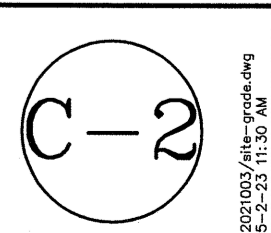
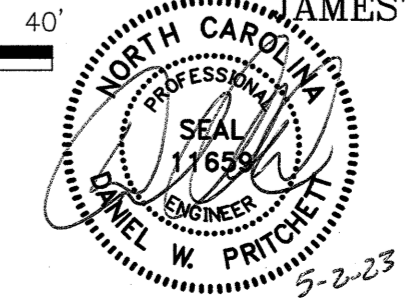
RANDOLPH COUNTY - NORTH CAROLINA
JOB No. 2021003
FEBRUARY, 2023
OWNER
CITY OF ARCHDALE
307 BALFOUR DRIVE
ARCHDALE, N.C. 27263



- NOTES:**
- ALL SUB-GRADES SHALL BE APPROVED BY GEO-TECHNICAL PERSONNEL AND PROOF ROLLED PRIOR TO PLACEMENT OF STONE BASE MATERIAL. SURFACE COARSE SHALL OVERLAP EXISTING PAVEMENT AT TIES TO PROVIDE FOR SMOOTH TRANSITION. (SEE PAVING REQUIREMENTS)
 - FINISHED ASPHALT PAVEMENT SHOULD BE COMPLETED SO THAT NO PONDING OCCURS. IF PONDING DOES OCCUR, THE OWNER HAS THE RIGHT TO REQUIRE REMOVAL AND REPLACEMENT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING APPLICABLE UTILITY LOCATION COMPANIES TO PROVIDE UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKE-OUT BASED UPON HORIZONTAL AND VERTICAL CONTROL PROVIDED BY THE ENGINEER.
 - THE CONTRACTOR SHALL REVIEW WITH CITY PERSONNEL ALL AREAS REQUIRING CLEARING AND GRUBBING PRIOR TO ANY TREE REMOVAL FIELD WORK. THIS IS NOT A SURVEY.
 - BOUNDARY INFORMATION SHOWN TAKEN FROM DEEDS AND LIMITED FIELD WORK. THIS IS NOT A SURVEY.
 - THE CONTRACTOR SHALL EXCAVATE AND EXPOSE THE EXISTING STORM LINE AT DIV. MH #7 FOR ELEVATION VERIFICATION AND ADJUSTMENTS IN PIPE GRADES TO GI #1 IF NECESSARY.



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C-0626



PHASE 1 EROSION CONTROL PLAN

FOR
MAINTENANCE FACILITY IMPROVEMENTS
AT
20 OLD SCHOOL ROAD
CITY OF ARCHDALE

RANDOLPH COUNTY - NORTH CAROLINA
JOB No. 2021003
FEBRUARY, 2023

OWNER
CITY OF ARCHDALE
307 BALFOUR DRIVE
ARCHDALE, N.C. 27263

TOTAL DISTURBED AREA = 1.6 AC.

SITE DATA:

EXISTING ZONING = M-1	D.B. 1071 PG 148 = 1.0 AC.±
TAX PARCEL 7718126604	D.B. 2136 PG 110 = 1.8 AC.±
TAX PARCEL 7718126488	D.B. 2792 PG 962 = 0.3 AC.±
TOTAL SITE AREA: = 3.1 AC.±	

WATERSHED DATA:

RANDLEMAN GENERAL WATERSHED AREA	= 1.14 AC.
EX. IMPERVIOUS SURFACE AREA (ISA)	= 0.59 AC.
(NOTE: EX. ISA PRIOR TO 1993 = 0.89 AC.)	
PROPOSED ISA	= 0.59 AC.
TOTAL ISA	= 1.18 AC.
% ISA	= 55.8%

SOIL TYPE: EnB, Hhb
AVERAGE SLOPE: 5%
DISTANCE TO FLOODWAY: 1100 LF±
FLOOD MAP = 5710771800 J
LATITUDE: 35.8964
LONGITUDE: -79.9739

SURFACE WATER CLASSIFICATIONS

RIVER BASIN: CAPE FEAR
STREAM NAME: MUDDY CREEK
STREAM INDES: 17-9-(1)
CLASSIFICATION: WS-IV

NET DETENTION POND DATA

WET DRAINAGE AREA	= 2.8 AC.
EX. ISA (BUILDINGS/PAVEMENT)	= 1.00 AC.
PROPOSED ISA	= 0.59 AC.
FUTURE ALLOWABLE	= 0.26 AC.
TOTAL	= 1.85 AC.
	= 66.1%

NOTE: SEE SHEET NCG01 FOR INFORMATION ON GROUND STABILIZATION, MATERIALS HANDLING, SELF-INSPECTIONS, RECORD KEEPING, AND REPORTING.

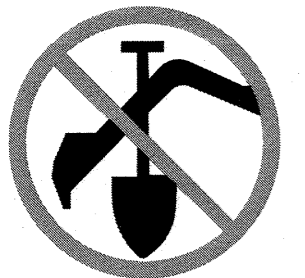
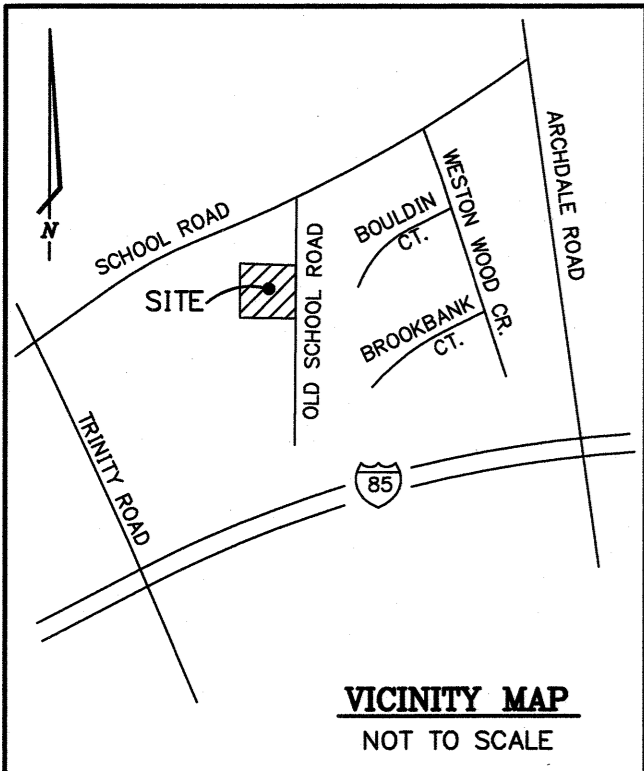
NOTE: THE CONTRACTOR SHALL OBTAIN A COPY OF THE NPDES STORM WATER PERMIT ISSUED WITH THE GRADING PERMIT AND COMPLY WITH ALL CONDITIONS AND REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, MAINTAINING RAIN GAUGE AT THE SITE AT ALL TIMES, AND PROVISION OF INSPECTIONS BOX TO HOUSE INSPECTIONS LOGS AND PLANS. INSPECTIONS REQUIRED BY THE NPDES PERMIT SHALL BE PROVIDED BY THE OWNER. HOWEVER, THE CONTRACTOR SHALL PROVIDE FOR MAINTENANCE OF EROSION CONTROL DEVICES AS RECOMMENDED IN THE MAINTENANCE INSPECTION LOGS.

STABILIZATION TIME FRAMES

SITE AREA DESCRIPTION	STABILIZATION	TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HWQ) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH, AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HWQ ZONES

SELF-INSPECTION CHECKLIST

INSTALLATION OF PERIMETER EROSION CONTROL MEASURES	SIGNATURE _____	DATE _____
CLEARING AND GRUBBING OF EXISTING GROUND COVER	SIGNATURE _____	DATE _____
COMPLETION OF ANY PHASE OF GRADING OF SLOPES OR FILLS	SIGNATURE _____	DATE _____
INSTALLATION OF STORM DRAINAGE FACILITIES	SIGNATURE _____	DATE _____
COMPLETION OF CONSTRUCTION OR DEVELOPMENT	SIGNATURE _____	DATE _____
ESTABLISHMENT OF PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION	SIGNATURE _____	DATE _____



- EROSION CONTROL NOTES**
- THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE EROSION CONTROL INSPECTOR. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED THAT ARE NOT INDICATED ON THE PLANS BY THE EROSION CONTROL INSPECTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION ON-SITE, REGARDLESS OF THE MEASURES REQUIRED. ANY CHANGE IN THE EROSION CONTROL MEASURES AND/OR GRADING SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND THE EROSION CONTROL INSPECTOR. ALL MEASURES MUST REMAIN OPERABLE UNTIL THE SITE IS STABILIZED.
 - EROSION CONTROL DEVICES SHALL BE DILIGENTLY MAINTAINED THROUGHOUT CONSTRUCTION. DEVICES SHALL BE INSPECTED AND REPAIRED AFTER EACH SIGNIFICANT RAINFALL.
 - SEDIMENT TRAPS/BASINS ARE TO BE CLEANED OUT WHEN THE BASIN IS NO MORE THAN HALF FULL. THEY SHALL BE CLEARED OF ALL SILT AND RESHAPED TO THE ORIGINAL DESIGN PARAMETER.
 - GRASS OR OTHERWISE STABILIZE ALL AREAS AS THEY ARE BROUGHT UP TO GRADE. STABILIZE WITH GROUND COVER. (SEE DETAILS AND NOTES FOR STABILIZATION REQUIREMENTS.)
 - STABILIZE WITH GROUND COVER ALL SLOPES, CUT OF FILL, WITHIN THE TIMEFRAME LISTED ON THE ADJOINING TABLE.
 - ALL EROSION CONTROL DEVICES ARE TO REMAIN IN THE PLACE UNTIL THE SITE IS PROPERLY STABILIZED WITH GROUND COVER. ALL UPSTREAM AREAS MUST BE STABILIZED PRIOR TO REMOVAL OF EROSION CONTROL DEVICES. ONCE THIS OCCURS, REMOVE SEDIMENT GRADE TO FINAL ELEVATIONS AND STABILIZE.
 - REMOVE EROSION CONTROL DEVICES ONLY UPON RECEIPT OF APPROVAL FROM EROSION CONTROL INSPECTOR.
 - IF FILL MATERIALS ARE TO BE BROUGHT ONTO THIS PROJECT OR WASTE MATERIALS ARE TO BE TAKEN FROM THIS PROJECT, THIS INFORMATION MUST BE DISCLOSED AND SHOWN ON THE EROSION CONTROL AND GRADING PLAN. BORROW AREAS AND DUMP SITES ARE CONSIDERED TO BE PART OF THIS PROJECT AND THE OWNER IS RESPONSIBLE FOR STABILIZATION AND EROSION CONTROL MEASURES AT THESE SITES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE EROSION CONTROL MAINTENANCE DURING CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL ITEMS/RECORDS REQUIRED BY THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.
 - AS OF MARCH 10, 2003, ALL CONSTRUCTION SITES ONE (1) ACRE OR MORE, REQUIRES A NPDES PERMIT. THEREFORE:
 - WRITTEN DOCUMENTATION OF A DEVIATION FROM APPROVED PLAN MUST BE NOTED ON THE APPROVED PLANS.
 - WRITTEN DOCUMENTATION OF AN EMERGENCY SITUATION WHERE SEDIMENT HAS BEEN DISCHARGED OFF SITE MUST BE RECORDED. ALSO, CONTRACTOR'S ACTIONS TO REPAIR AND RETURN AREA TO PRE-STORM CONDITION MUST BE RECORDED.
 - THE PERMITTEE SHALL INSPECT ALL EROSION AND SEDIMENTATION CONTROL FACILITIES EVERY SEVEN DAYS AND WITHIN 24 HOURS OF A 1 INCH RAINFALL. FINDINGS SHALL BE RECORDED AND PRESENTED UPON INSPECTOR'S REQUEST.
 - THE CONTRACTOR SHALL PROVIDE RAIN-RECORDING DEVICE AND RECORD EACH RAINFALL.
 - ANY FAILURES THAT CAUSE VISIBLE SEDIMENTATION TO LEAVE THE APPROVED DISTURBED LIMITS SHALL BE CORRECTED IMMEDIATELY AND DOCUMENTED.
 - A COPY OF THE NPDES PERMIT SHOULD BE KEPT ON SITE FOR REFERENCE.
 - THE CONTRACTOR SHALL HAVE ON SITE THE MEANS TO REMOVE ANY SEDIMENT TRACKED ONTO THE STREET. IF CONDITIONS REQUIRE, EQUIPMENT MUST BE ON SITE TO WASH TIRES OF VEHICLES PRIOR TO ENTERING STREET.

FLOOD CERTIFICATION

The undersigned hereby certifies to the best of his knowledge and belief the location of the subject property has been checked against area HUD/FIA maps and information provided by the Department of Housing and Urban Development and finds that:

() The subject property is located in a SPECIAL FLOOD HAZARD AREA as determined by HUD/FIA flood map.

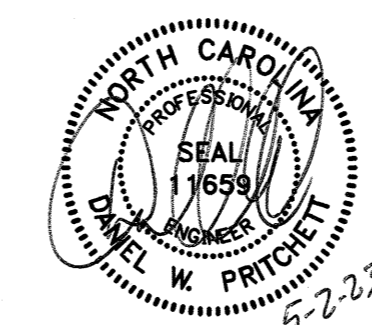
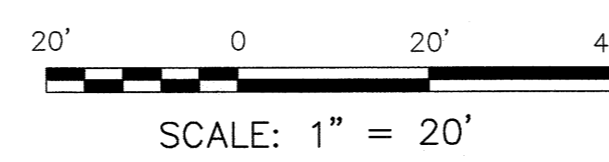
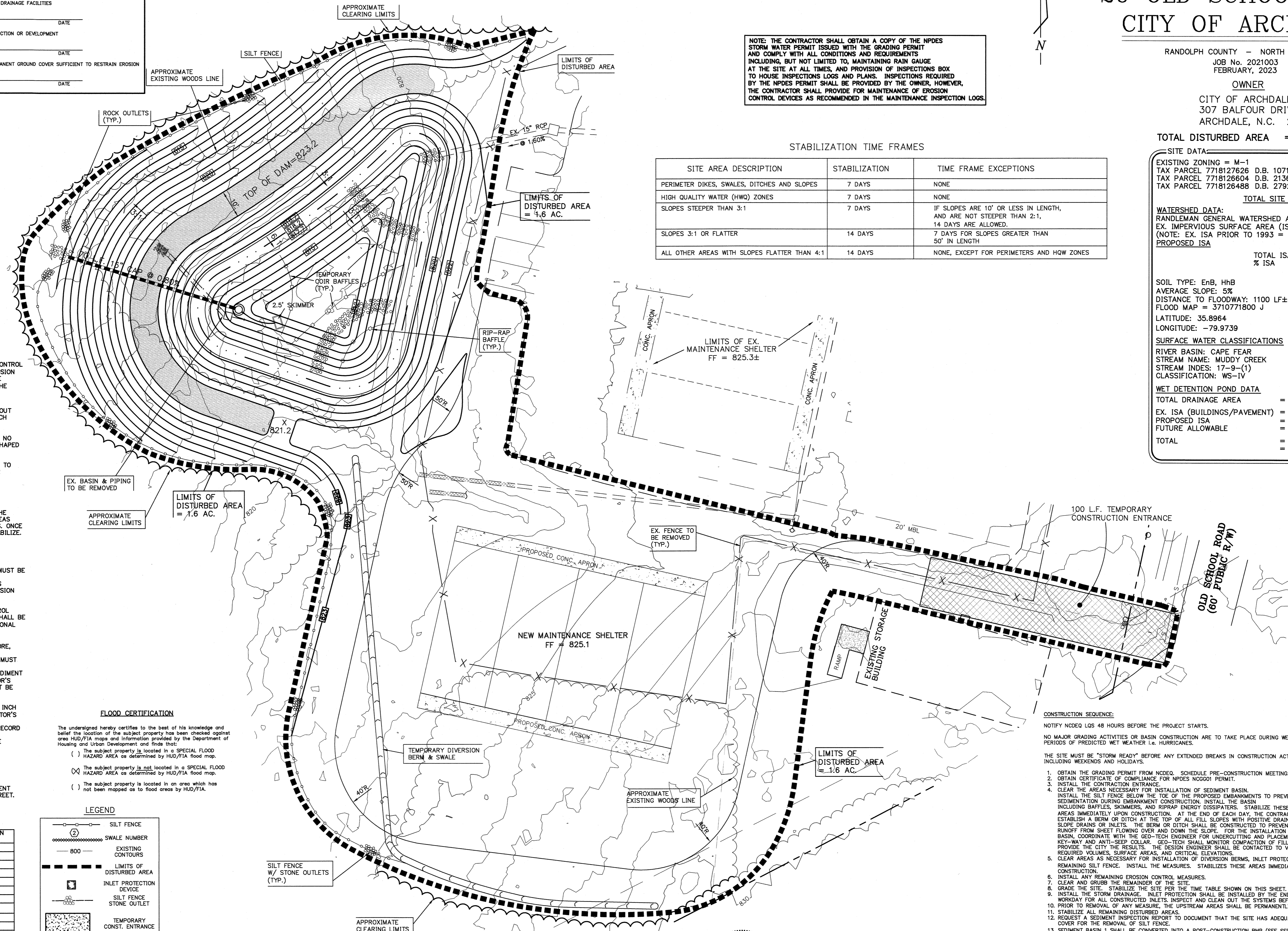
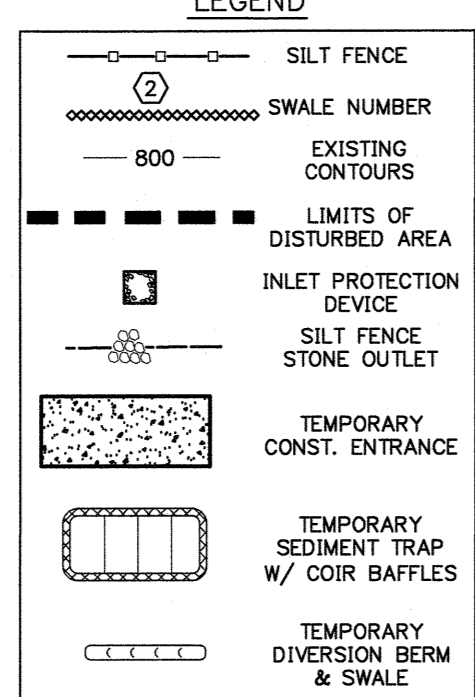
(X) The subject property is NOT located in a SPECIAL FLOOD HAZARD AREA as determined by HUD/FIA flood map.

() The subject property is located in an area which has not been mapped on a flood areas by HUD/FIA.

SEDIMENT/SKIMMER BASIN TABLE

SKIMMER BASIN #1	SKIMMER BASIN #2
C (UNDISTURBED AREA)	0.8
D (DISTURBED AREA)	0.5
T-10	5.8"/HR
TOTAL AREA	2.8 AC.
DISTURBED AREA	1.3 AC.
Q(10)	Q=CIA
REQUIRED VOLUME	V=1800 x DIST. AREA
REQUIRED SURFACE AREA	SA=0.01*(Q/Q)+43,560
DEPTH	8'
TOP POND AREA(SEE CALCULATIONS)	7792 SF*
BOTTOM POND AREA(SEE CALCULATIONS)	794 SF*
VOLUME PROVIDED	12,823 CF*
SURFACE AREA PROVIDED	5475 SF*
AVERAGE AREA	6808 SF
WEIR LENGTH REQUIRED (Q10)	L=Q(10)/(3h^1.5)
	where h = 0.5'
SKIMMER SIZE (ORIFICE SIZE)	2.5"(2.0")

* SEE W.Q. POND CALCULATIONS FOR AREAS AND VOLUMES



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DATE:

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCGO1 CONSTRUCTION GENERAL PERMIT

SECTION E: GROUND STABILIZATION

Table with 3 columns: Site Area Description, Stabilize within this many calendar days after ceasing land disturbance, and Timeframe variations.

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable...

GROUND STABILIZATION SPECIFICATION

Table with 2 columns: Temporary Stabilization and Permanent Stabilization, listing various methods like mulch, straw, geotextiles, etc.

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- 1. Select flocculants that are appropriate for the soils being exposed during construction...
2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures...
3. Apply flocculants at the concentrations specified in the NC DWR List of Approved PAMS/Flocculants...
4. Provide ponding area for containment of treated stormwater before discharging offsite...
5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

- EQUIPMENT AND VEHICLE MAINTENANCE
1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste...
5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

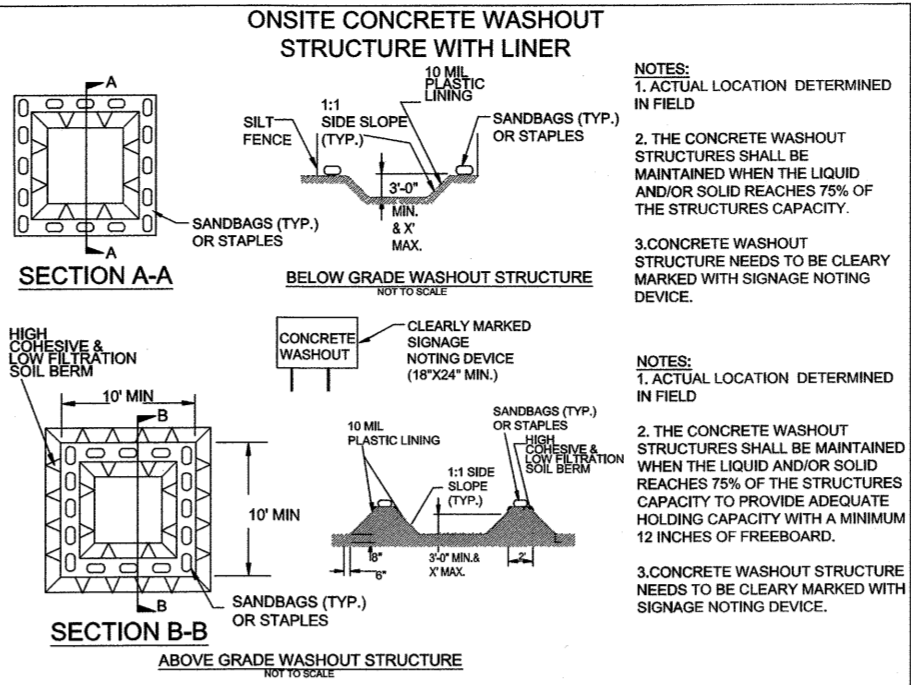
- LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE
1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8. Dispose waste off-site at an approved disposal facility.
9. On business days, clean up and dispose of waste in designated waste containers.

- PAINT AND OTHER LIQUID WASTE
1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled, sized and placed appropriately for the needs of site.
5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

- PORTABLE TOILETS
1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

- EARTHEN STOCKPILE MANAGEMENT
1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

- HAZARDOUS AND TOXIC WASTE
1. Create designated hazardous waste collection areas on-site.
2. Place hazardous waste containers under cover or in secondary containment.
3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.



- CONCRETE WASHOUTS
1. Do not discharge concrete or cement slurry from the site.
2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
3. Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
4. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
5. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
6. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
7. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
9. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

- HERBICIDES, PESTICIDES AND RODENTICIDES
1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
2. Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
3. Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
4. Do not stockpile these materials onsite.

..NC-Environmental.jpg

EFFECTIVE DATE: 11/12/2020

NCG-01 GROUND COVER & MATERIALS HANDLING

PAGE:

DATE:

PART II, SECTION G, ITEM (4)
DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT
Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible...

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection...

Table with 3 columns: Inspect, Frequency (during normal business hours), and Inspection records must include: (1) Rain gauge maintained in good working order, (2) EASC Measures, (3) Stormwater discharge outlets (DOOs), (4) Perimeter of Site, (5) Streams or wetlands, (6) Ground Stabilization Measures.

..NC-Environmental.jpg

EFFECTIVE DATE: 11/12/2020

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. EASC Plan Documentation
The approved EASC plan as well as any approved deviation shall be kept on the site. The approved EASC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the EASC plan shall be kept on site and available for inspection at all times during normal business hours.

Table with 2 columns: Item to Document and Document Requirements. Items include: (a) Each EASC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved EASC plan; (b) A phase of grading has been completed; (c) Ground cover is located and installed in accordance with the approved EASC plan; (d) The maintenance and repair requirements for all EASC measures have been performed; (e) Corrective actions have been taken to EASC measures.

2. Additional Documentation to be Kept on Site
In addition to the EASC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- (a) This General Permit as well as the Certificate of Coverage, after it is received.
(b) Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.
(c) Documentation that the required ground stabilization measures have been provided within the required timeframe or assurance that they will be provided as soon as possible. All dates used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that Must be Reported
Permittees shall report the following occurrences:
(a) Visible sediment deposition in a stream or wetland.
(b) Oil spills if:
- They are 25 gallons or more,
- They are less than 25 gallons but cannot be cleaned up within 24 hours,
- They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume).

- (c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
(d) Anticipated bypasses and unanticipated bypasses.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

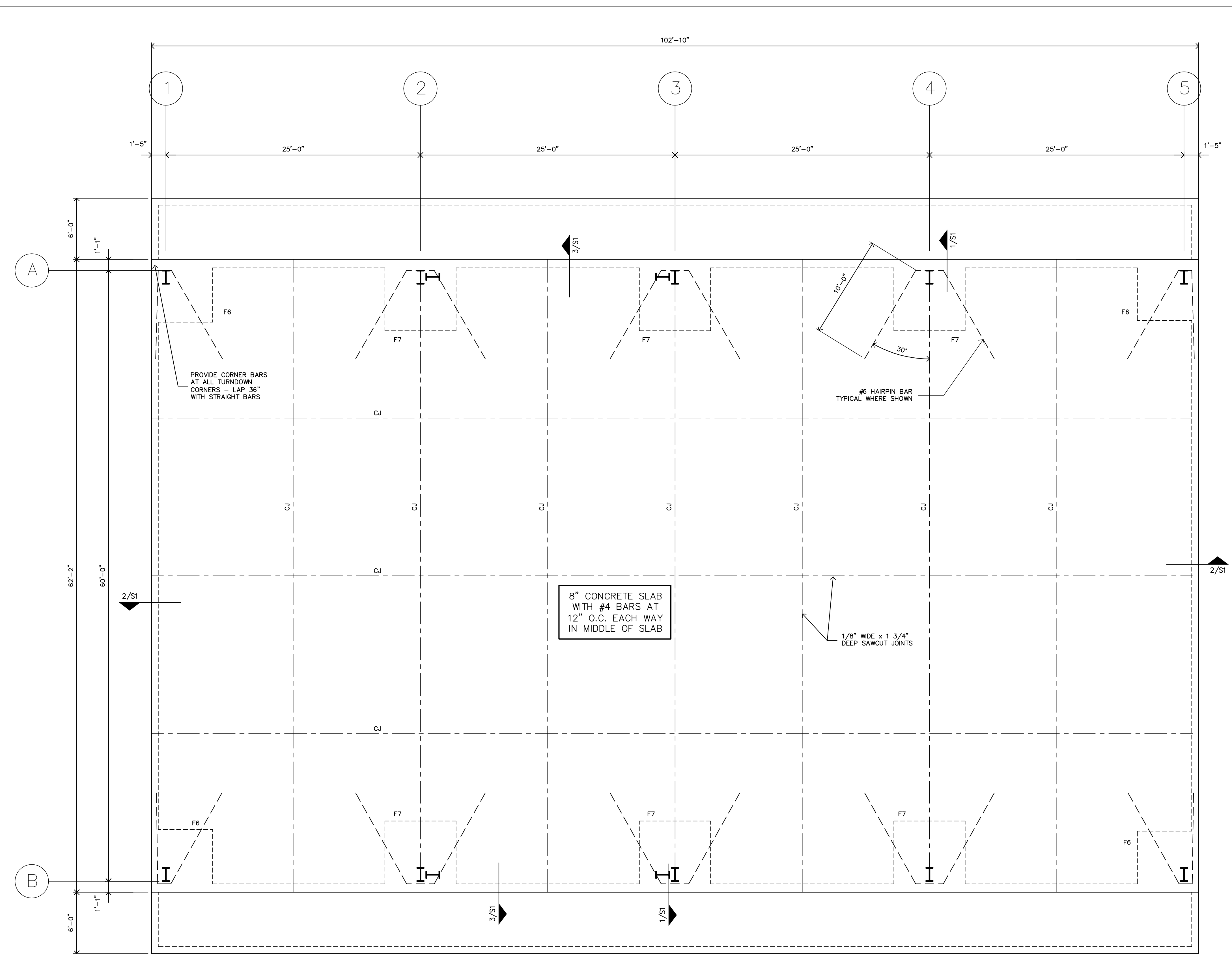
After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Table with 2 columns: Occurrence and Reporting Timeframe (After Discovery) and Other Requirements. Occurrences include: (a) Visible sediment deposition in a stream or wetland; (b) Oil spills and release of hazardous substances per item (b)-(c) above; (c) Anticipated bypasses [40 CFR 122.41(m)(3)]; (d) Unanticipated bypasses [40 CFR 122.41(m)(3)]; (e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(n)(7)].

NCG01- SELF INSPECTION

PAGE:

Job Number: NCG01, Date: NOV. 12, 2020, Job Title: NCGO1 CONSTRUCTION GENERAL PERMIT REQUIREMENTS, Scale: AS NOTED, Sheet No: NCG01



FOUNDATION PLAN
SCALE 3/16" = 1'-0"

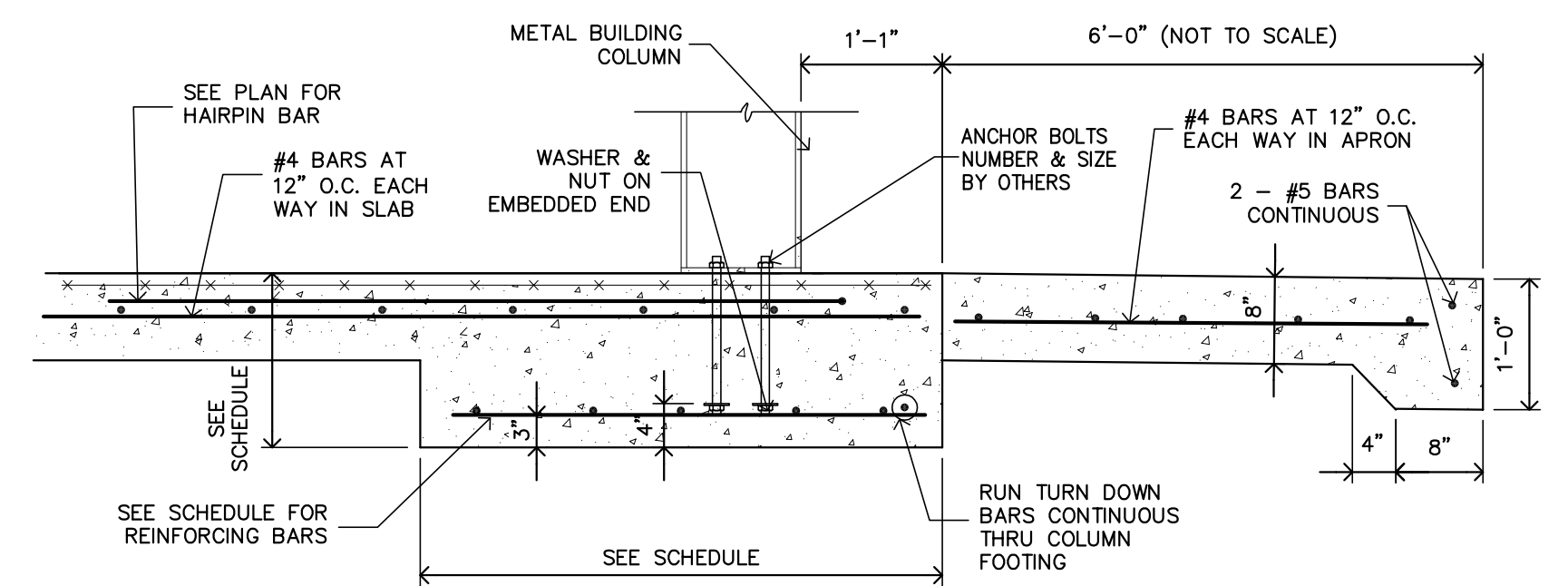
FOOTING SCHEDULE

FOOTING F6: 6'-0" x 6'-0" x 2'-0" THICK WITH (8) #5 BARS EACH WAY TOP AND BOTTOM

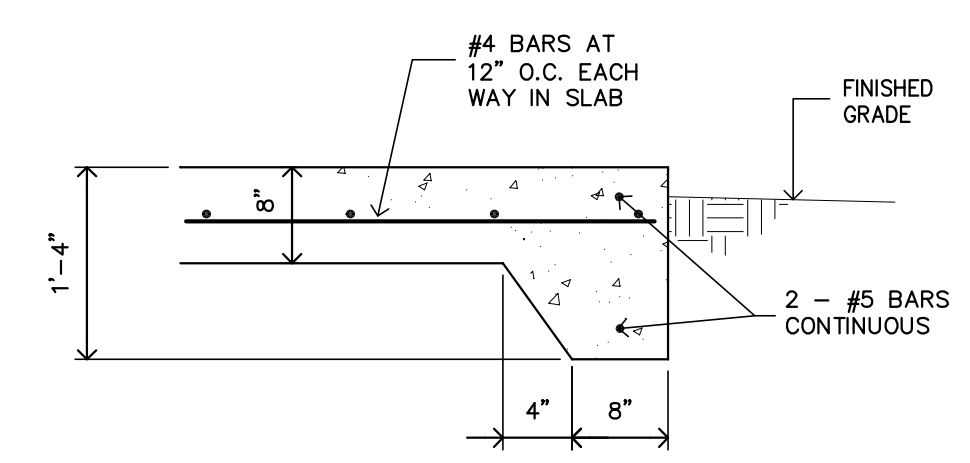
FOOTING F7: 7'-0" x 7'-0" x 2'-0" THICK WITH (8) #6 BARS EACH WAY TOP AND BOTTOM

FOUNDATION NOTES:

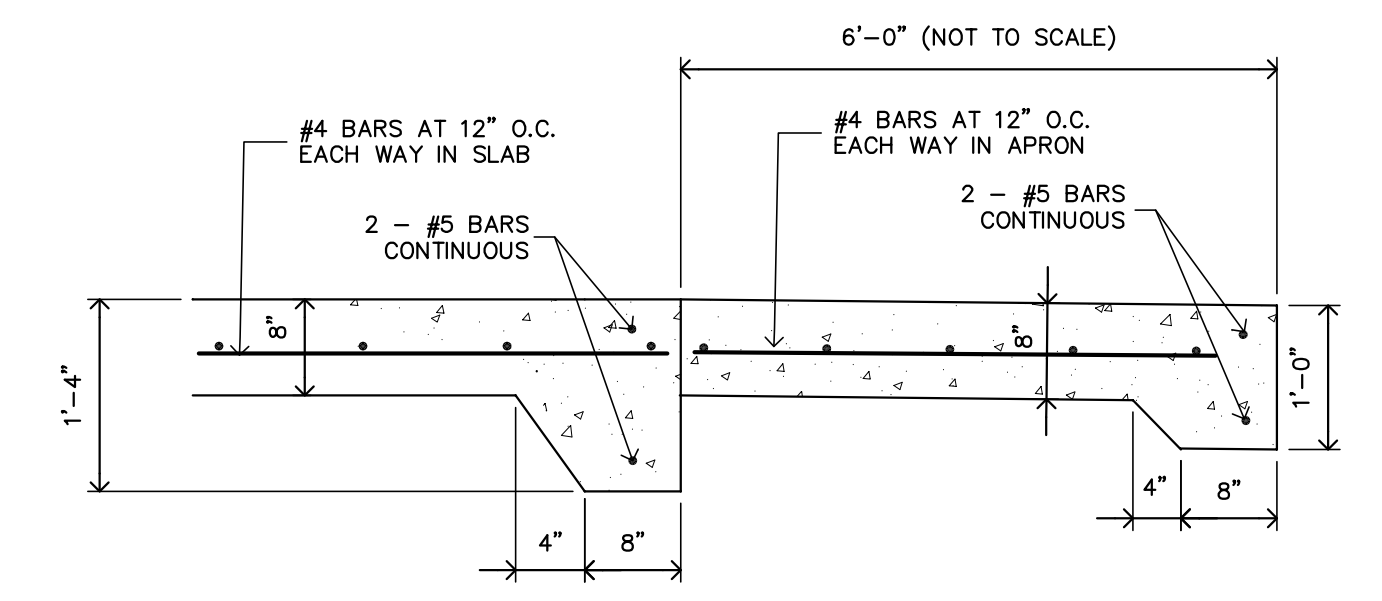
- UNLESS NOTED OTHERWISE, FINISHED FLOOR ELEVATION IS +0'-0". ELEVATIONS OF TOPS OF FOOTING AND POINT ELEVATIONS OF SLABS RELATIVE TO FINISHED FLOOR ARE INDICATED THUS (...) ON PLAN.
- UNLESS NOTED OTHERWISE, SLAB ON GRADE SHALL BE 8 INCHES THICK AND SHALL BE REINFORCED WITH #4 BARS AT 12" O.C. BOTH WAYS IN MIDDLE OF SLAB. MINIMUM LAP SPLICE = 30 INCHES. PROVIDE 4 INCHES OF CRUSHED STONE BELOW SLAB.
- CONTROL JOINTS IN SLABS ON GRADE ARE INDICATED THUS --- AND/OR ARE LABELED "C.J." ON PLAN. JOINTS MAY BE EITHER CAST IN PLACE OR SAW CUT. SEE TYPICAL DETAILS FOR SAW CUT CONTROL JOINTS.
- FOOTING DEPTHS ARE ON PLAN FOR ESTIMATING PURPOSES ONLY AND REPRESENT THE MINIMUM INTENT OF THE DESIGN. IF REQUIRED BY SOIL, GRADING, UNDERGROUND UTILITY, OR OTHER CONDITIONS, FOOTING DEPTHS SHALL BE INCREASED. UNDER NO CIRCUMSTANCES SHALL FOOTINGS BE PLACED AT A HIGHER ELEVATION THAN THAT INDICATED ON THE PLANS WITHOUT APPROVAL OF THE ENGINEER. THE BOTTOMS OF ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 1'-6" BELOW FINISHED GRADE.
- MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI AT 28 DAYS UNLESS NOTED OTHERWISE.
- MINIMUM CONCRETE COMPRESSIVE STRENGTH FOR FLOOR SLAB SHALL BE 4000 PSI AT 28 DAYS.
- REINFORCING STEEL SHALL BE GRADE 60.
- ALL REINFORCING DETAILING, FABRICATION AND PLACEMENT SHALL BE IN ACCORDANCE WITH ACI 318 AND ACI 301.
- PRESUMPTIVE DESIGN SOIL PRESSURE = 2000 PSF.
- THE CONTRACTOR SHALL COORDINATE THE ELEVATIONS OF ALL FOOTINGS WITH RESPECT TO UNDERGROUND UTILITIES.
- VERIFY LOCATION, DEPTH, AND SIZE OF ALL FLOOR SLAB DEPRESSIONS WITH ARCHITECTURAL DRAWINGS.
- CONCRETE FOR EXTERIOR SLABS SHALL BE AIR ENTRAINED.



1 COLUMN FOOTING SECTION
SCALE: 3/4" = 1'-0"



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



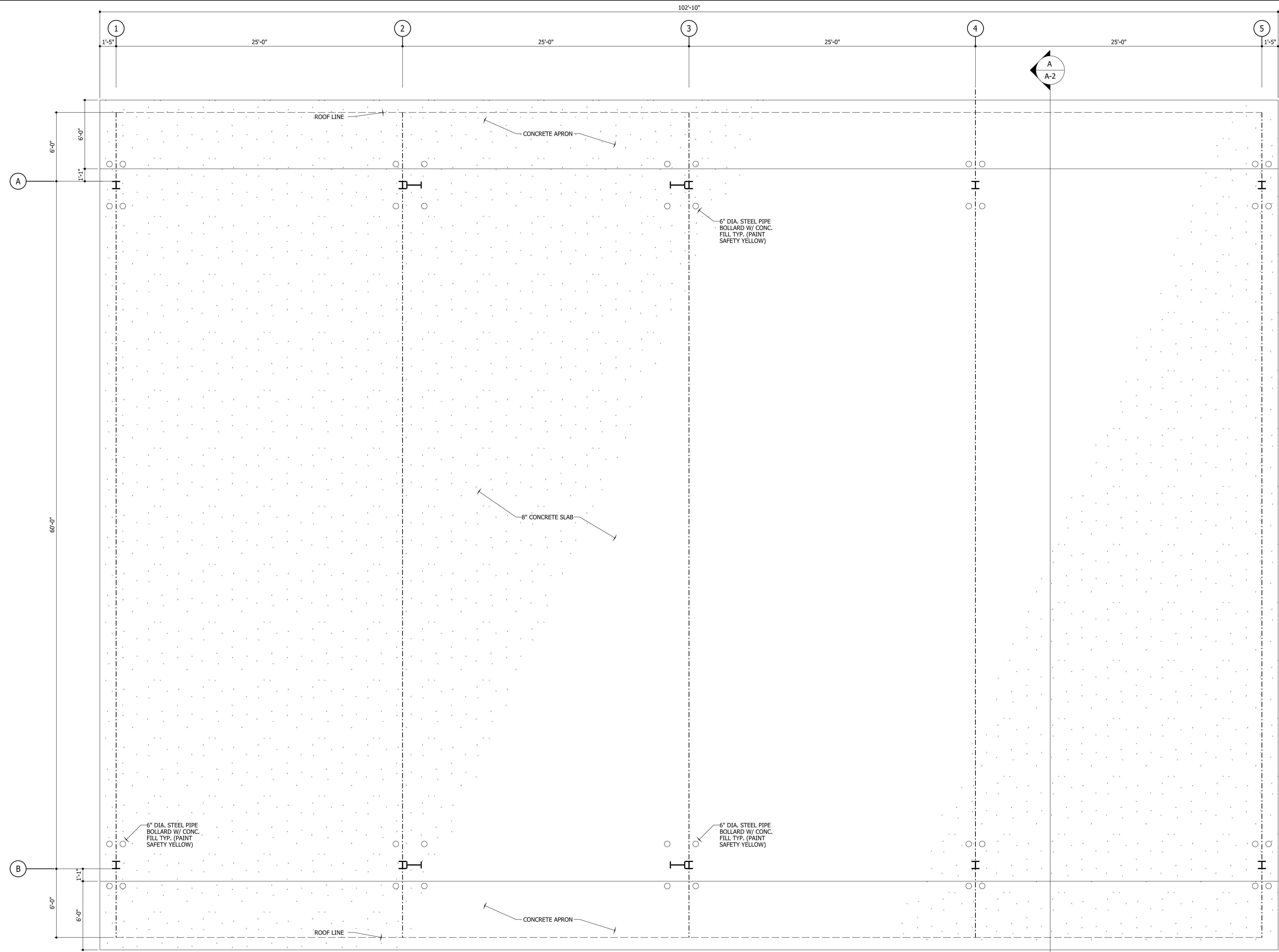
3 SECTION
SCALE: 3/4" = 1'-0"

SHEET DESCRIPTION	
REVISIONS	
JOB NO. 23018	DATE 07/06/23
DATE	DRAWN DAL
CHECKED	DAL

ROBBINS ARCHITECTURE, P.A.
GARY R. ROBBINS, ARCHITECT
210 N MAIN STREET, SUITE 130 KERNERSVILLE, NC 27284
TEL: 336-454-6753

NEW EQUIPMENT SHELTER
CITY OF ARCHDALE
PUBLIC WORKS
ARCHDALE, NC
18 OLD SCHOOL ROAD

DATE \$/LES



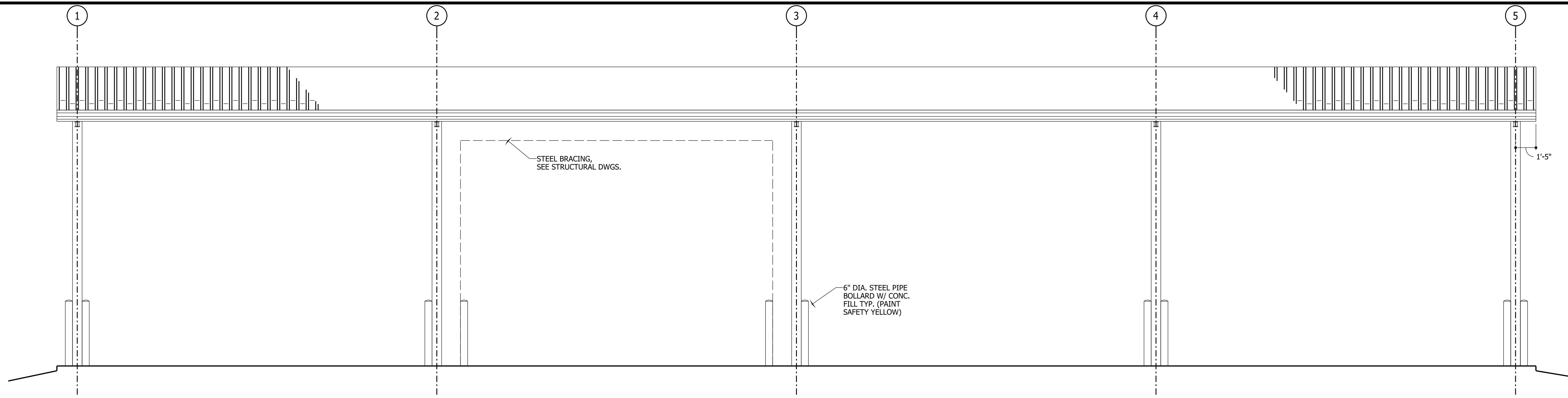
SHELTER FLOOR PLAN

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

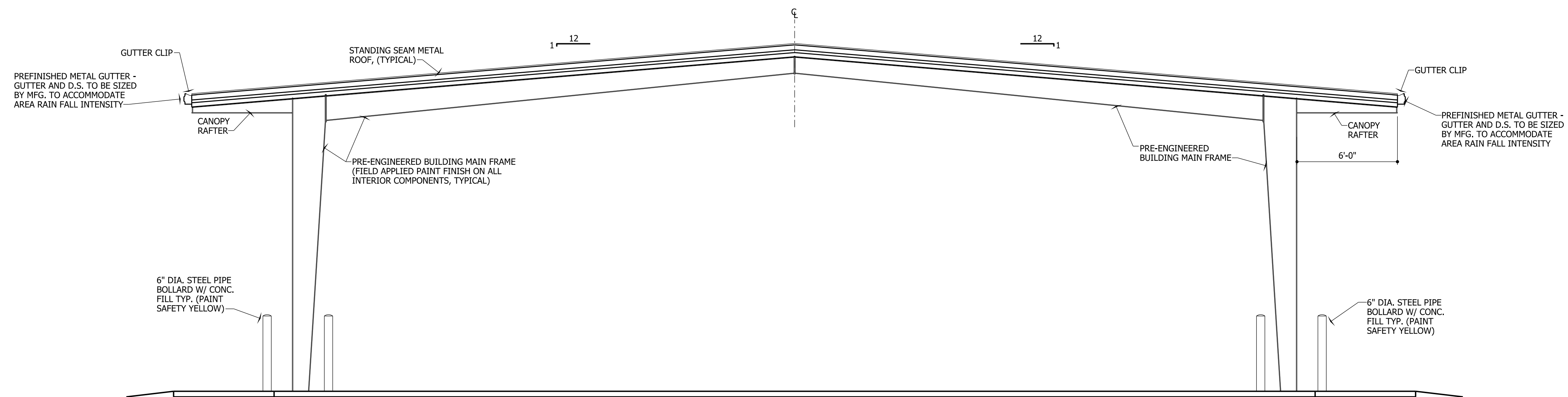
NOTE: SEE STRUCTURAL FOUNDATION PLAN FOR EXPANSION AND CONSTRUCTION JOINTS

SHEET DESCRIPTION		FLOOR PLAN	
REVISIONS			
JOB NO.	23-11	DATE	07/05/2023
DRAWN	GRR	CHECKED	GRR
ROBBINS ARCHITECTURE, P.A. GARY R. ROBBINS, ARCHITECT 210 N MAIN STREET, SUITE 130 KERNERSVILLE, NC 27284 TEL: 336-454-6753			
NEW EQUIPMENT SHELTER		ARCHDALE, NC	
CITY OF ARCHDALE PUBLIC WORKS		18 OLD SCHOOL ROAD	
SHEET NO.		A-1	

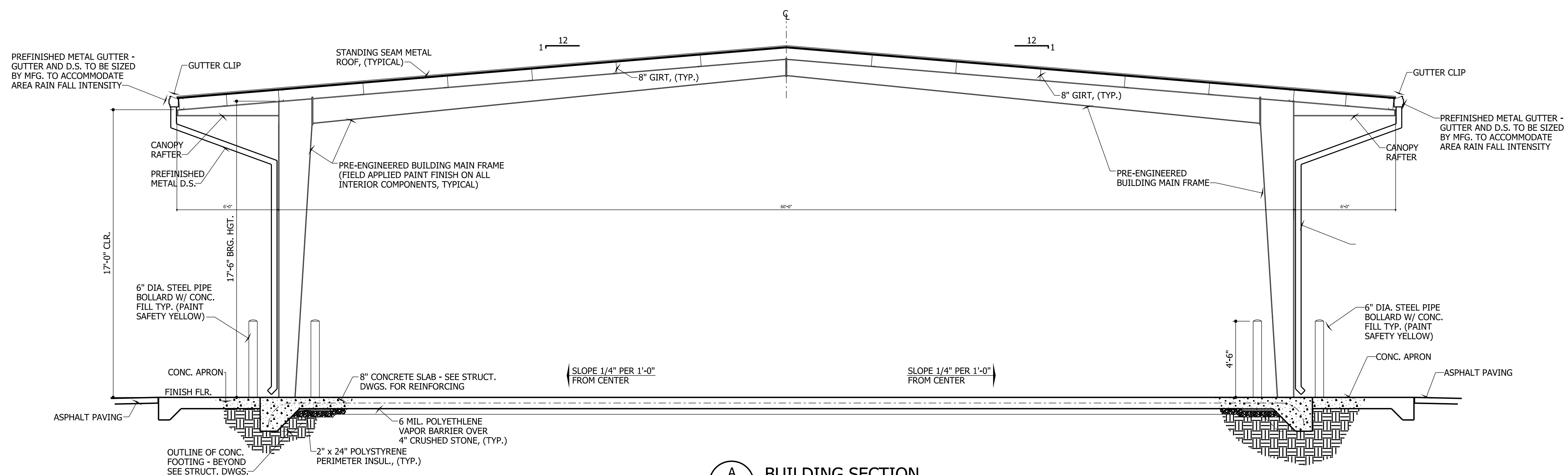
#DATE# #FILES#



FRONT & REAR EXTERIOR ELEVATIONS SCALE: 1/4" = 1'-0"



LEFT SIDE & RIGHT SIDE EXTERIOR ELEVATIONS SCALE: 1/4" = 1'-0"



A BUILDING SECTION SCALE: 1/4" = 1'-0"

SHEET DESCRIPTION		BUILDING SECTION & ELEVATIONS	
REVISIONS			
23-11	07/05/2023	GR	GR
JOB NO.	DATE	DRAWN	CHECKED
ROBBINS ARCHITECTURE, P.A. GARY R. ROBBINS, ARCHITECT 210 N MAIN STREET, SUITE 130 KERNERSVILLE, NC 27284 TEL: 336-454-6753			
NEW EQUIPMENT SHELTER		ARCHDALE, NC	
CITY OF ARCHDALE		PUBLIC WORKS	
18 OLD SCHOOL ROAD			
SHEET NO.		A-2	

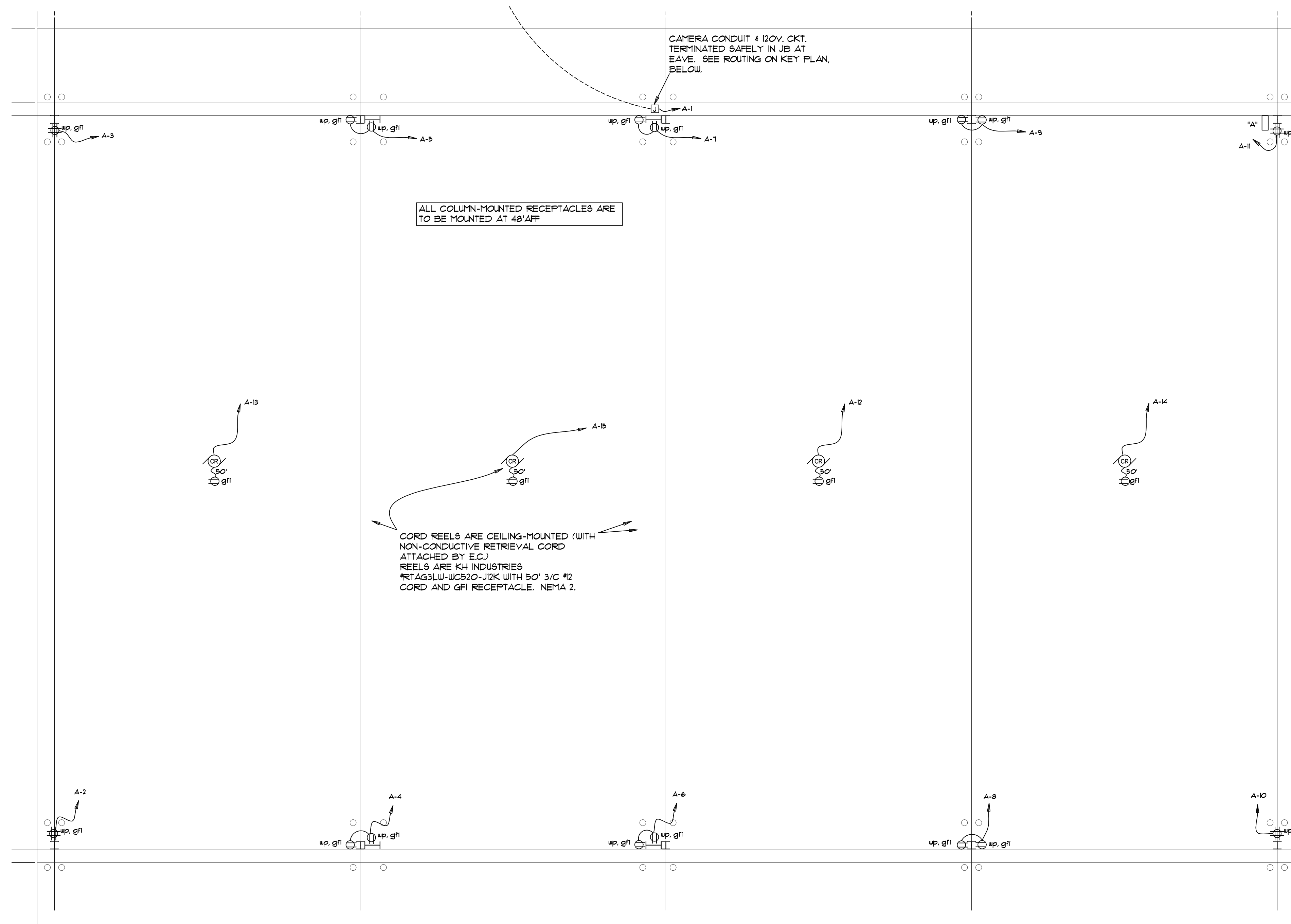
DATE# FILES#

ELECTRICAL SPECIFICATIONS

- ALL WORK UNDER THIS SECTION SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH STATE BUILDING CODES AND THE NATIONAL ELECTRIC CODE.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVAL, OBTAIN ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE INSTALLATION OF THEIR WORK.
- THE DRAWINGS ARE DIAGNAMATIC ONLY. THE CONTRACTOR MAY NEED TO MAKE FIELD ADJUSTMENTS TO ACCOMMODATE ACTUAL FIELD CONDITIONS.
- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR THE GENERAL CONSTRUCTION OF THE BUILDING, FOR FLOORS AND CEILING HEIGHTS, FOR LOCATIONS OF WALLS, PARTITIONS, BEAMS, ETC.
- ALL WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND OTHER TRADES INVOLVED IN THE CONSTRUCTION PROJECT. ALL WORK SHALL BE CAREFULLY LAID OUT IN ADVANCE TO COORDINATE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL FEATURES OF CONSTRUCTION.
- A GREEN INSULATED COPPER GROUND WIRE, SIZED PER NEC, SHALL BE INSTALLED IN ALL RACEWAYS OTHER THAN SERVICE ENTRANCE WIRING, METALLIC OR NON-METALLIC.
- COLOR FOR DEVICES SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.
- RECEPTACLES SHALL COMPLY WITH UL STANDARD 498, "ELECTRICAL ATTACHMENT PLUGS AND RECEPTACLES," HEAVY-DUTY GRADE 20 AMP RATED EXCEPT AS OTHERWISE INDICATED. (HOSPITAL GRADE IN O.R. AREAS)
- GROUND-FAULT CIRCUIT INTERRUPTER (GFI) RECEPTACLES SHALL COMPLY WITH UL STANDARD 943, "GROUND FAULT CIRCUIT INTERRUPTERS," WITH INTEGRAL NEMA 5-20R DUPLEX RECEPTACLE.
- MARK ALL DEVICES AS TO WHICH PANEL AND CIRCUIT THEY ARE CONNECTED.
- ELECTRICAL SERVICE IS EXISTING 120/240V SINGLE PHASE, 3 WIRE PANEL. E.C. SHALL PAY FOR ALL REQUIRED LICENSES, PERMITS, FEES, ETC. NECESSARY TO OBTAIN ELECTRIC SERVICE. VERIFY SIZE AND LOCATION OF EXISTING CONDUITS WITH FACILITY AND UTILITY COMPANY PRIOR TO START OF CONSTRUCTION.
- ALL WIRING FOR EQUIPMENT SHALL BE COPPER WITH ONE OF THE FOLLOWING TYPES OF INSULATION: THW, THWN, THWN WITH A RATING OF AT LEAST 75 DEG. C.
- BACK TO BACK DEVICES LOCATED IN RATED WALLS SHALL BE SEPARATED BY A DISTANCE OF AT LEAST 24" HORIZONTALLY.
- FINAL LOCATIONS OF ALL EXIT AND EMERGENCY LIGHTS SHALL BE VERIFIED WITH THE BUILDING INSPECTOR PRIOR TO INSTALLATION.
- WIRING SHALL BE INSTALLED IN EMT CONDUIT, NO M.C. CABLE TO BE USED. CONDUIT IS TO BE INSTALLED PARALLEL OR AT 90deg TO BUILDING WALLS AND INSTALLED IN A WORKMAN-LIKE MANNER. CONNECTION TO EQUIPMENT SHALL BE WITH LIQUID TIGHT FLEXIBLE METAL CONDUIT, WHERE VIBRATION OR ROUTING IS A CONCERN. USE APPROPRIATE NEMA ENCLOSURES FOR JUNCTION BOXES AND DEVICES, INDOOR AND OUTDOOR.

SYMBOL SCHEDULE

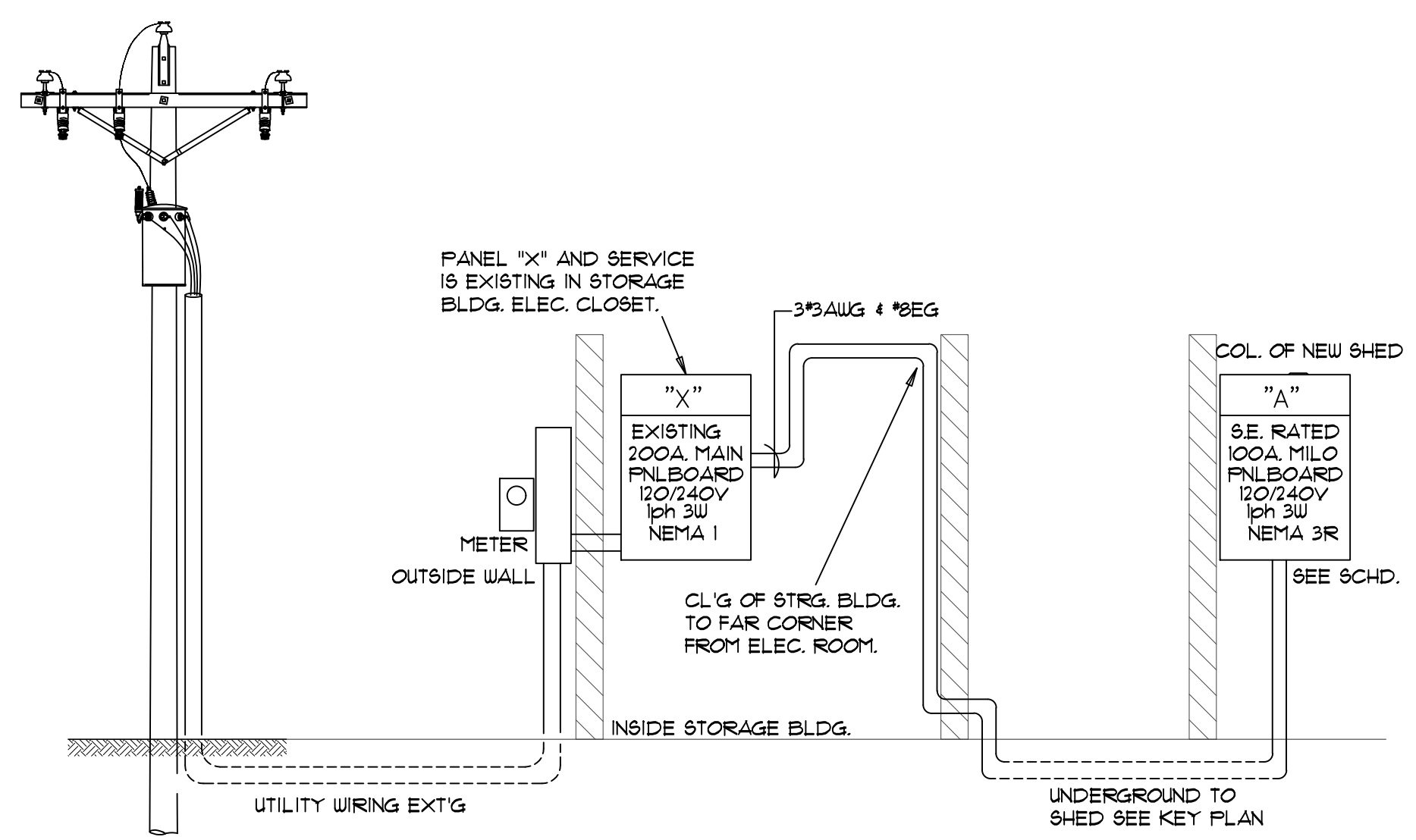
- SWITCHED CIRCUITS (LIGHTING, ETC.)
- (HOME RUNS) CONDUIT CONCEALED ABOVE CEILING AND/OR IN WALLS OR EXPOSED, WHERE ALLOWED. 2#12 & #12EG, UNLESS NOTED.
- CONNECTIONS BETWEEN JUNCTION BOXES AND SWITCHES TO DISTRIBUTE HOME RUNS - 2#12 & #12EG, UNLESS NOTED.
- DEDICATED 20A DUPLEX RECEPTACLE MOUNTED 16" AFF UNLESS OTHERWISE NOTED
- 15A OR 20A DUPLEX RECEPTACLE MOUNTED 16" AFF UNLESS OTHERWISE NOTED
- 15A OR 20A QUAD RECEPTACLE MOUNTED 16" AFF UNLESS OTHERWISE NOTED
- 240V 1ph RECEPTACLE
- 240V 3ph RECEPTACLE
- FLOOR-MOUNTED RECEPTACLE
- 20A SINGLE POLE SWITCH MOUNTED 46" AFF UNLESS OTHERWISE NOTED
- 20A THREE WAY SWITCH MOUNTED 46" AFF UNLESS OTHERWISE NOTED
- WALL RECESSED DUAL TECHNOLOGY OCCUPANCY SENSOR
- TELEPHONE/DATA OUTLET MOUNTED 44" AT COUNTERS, 16" IN OFFICES
- JUNCTION OR PULL BOX, SIZE AS INDICATED OR REQUIRED
- SAFETY SWITCH, SEE NOTE ON PLAN
- MOLDED CASE CIRCUIT BREAKER
- ELECTRICALLY OPERATED COMBINATION STARTER
- MOTOR CONNECTION, NUMBER INDICATES HORSEPOWER
- METER BASE



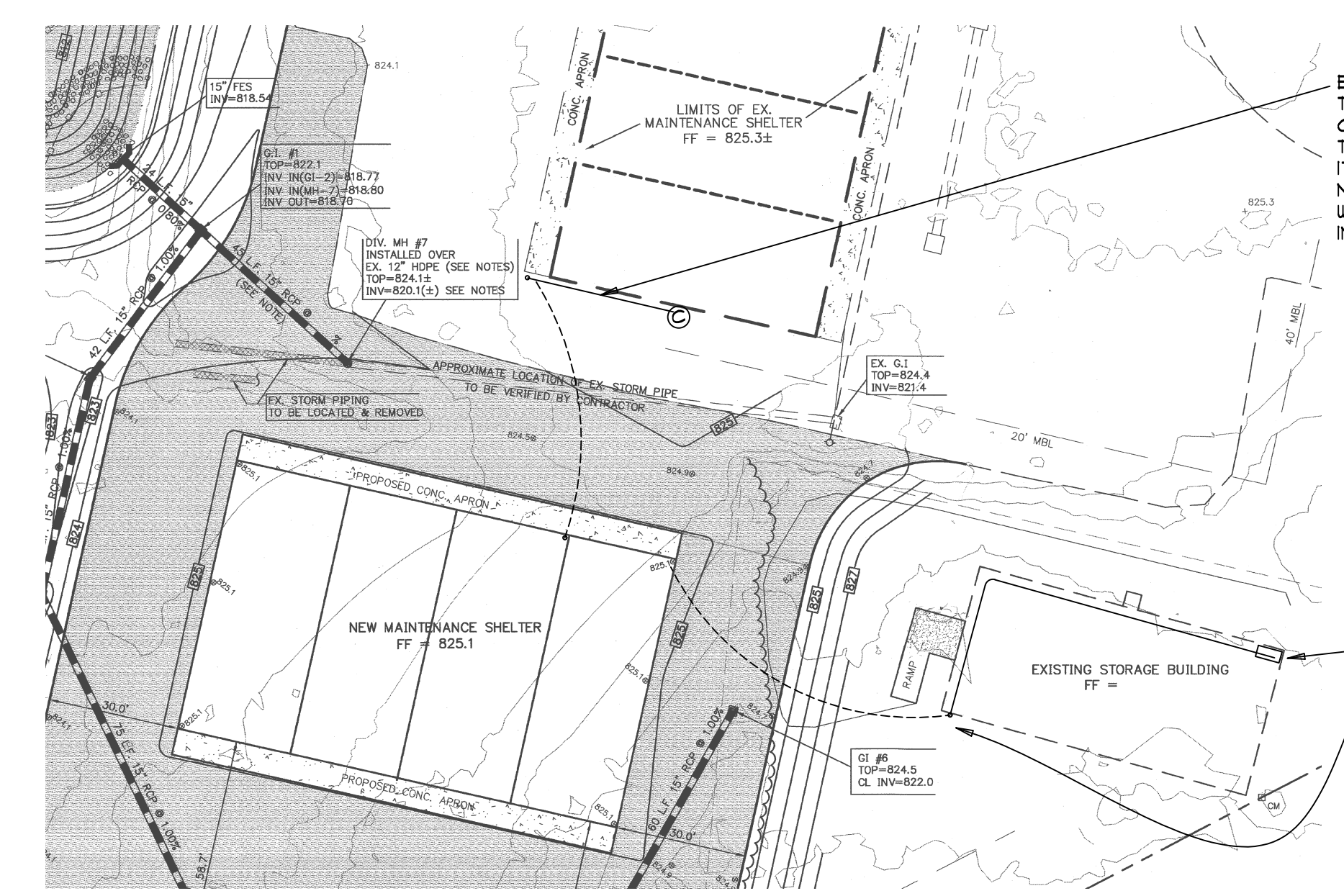
2 POWER PLAN
E1 3/16" = 1'-0"

A	MAKE:		SQ. D.		RATING:		120/240V 1PH		MAIN BRK. OR MLO:		200A MAIN BRK.	
	TYPE	QO	NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE
LOAD SERVED	A	B	WIRE	CKT.	CKT.	A	B	CKT.	CKT.	WIRE	AMPS	PER
CAMERA CKT.	2		#12	20	1			2	20	#12	6	COLUMN RCPT
COLUMN RCPT		6	#12	20	3			4	20	#12	6	COLUMN RCPT
COLUMN RCPT		6	#12	20	5			6	20	#12	6	COLUMN RCPT
COLUMN RCPT		6	#12	20	7			8	20	#12	6	COLUMN RCPT
COLUMN RCPT		6	#12	20	9			10	20	#12	6	COLUMN RCPT
COLUMN RCPT		6	#12	20	11			12	20	#12	6	COLUMN RCPT
CORD REEL RCPT		6	#12	20	13			14	20	#12	6	CORD REEL RCPT
CORD REEL RCPT		6	#12	20	15			16	20	#12	8	LIGHTS
					17			18	20	#12	5.1	LIGHTS
					19			20	20			
					20			21	20			
					20			22	20			
					20			23	20			
					20			24	20			
					20			25	20			
					20			26	20			
					20			27	20			
					20			28	20			
					20			29	20			
					20			30	20			
					20			31	20			
					20			32	20			
					20			33	20			
					20			34	20			
					20			35	20			
					20			36	20			
					20			37	20			
					20			38	20			
					20			39	20			
					20			40	20			
REMARKS	20	24	SUB-TOTAL "B"				EXTG	BUS	SUB "A"	29.1	26	
							EXTG	LUGS	SUB "B"	20	24	
							EXTG	S/N	TOTAL	49.1	50	
							TOP	FEED				

PANEL IS TO BE NEMA 3R, 10KAIC



3 RISER DIAGRAM
E1 NO SCALE

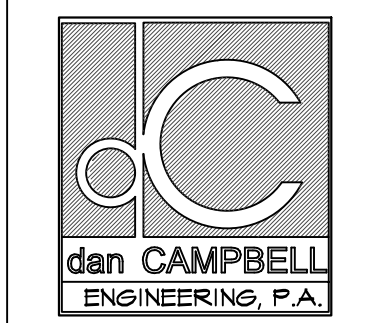


1 SITE/KEY PLAN
E1 1/32" = 1'-0"

POWER PLAN

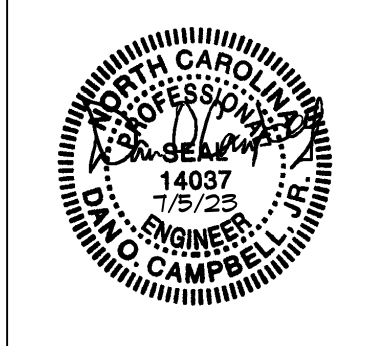
ROBBINS ARCHITECTURE, P.A.
GARY R. ROBBINS, ARCHITECT
210 NORTH MAIN ST. SUITE 130 KERNERSVILLE N.C. 27284
TEL: 336 - 454 - 6753

Approved For Construction



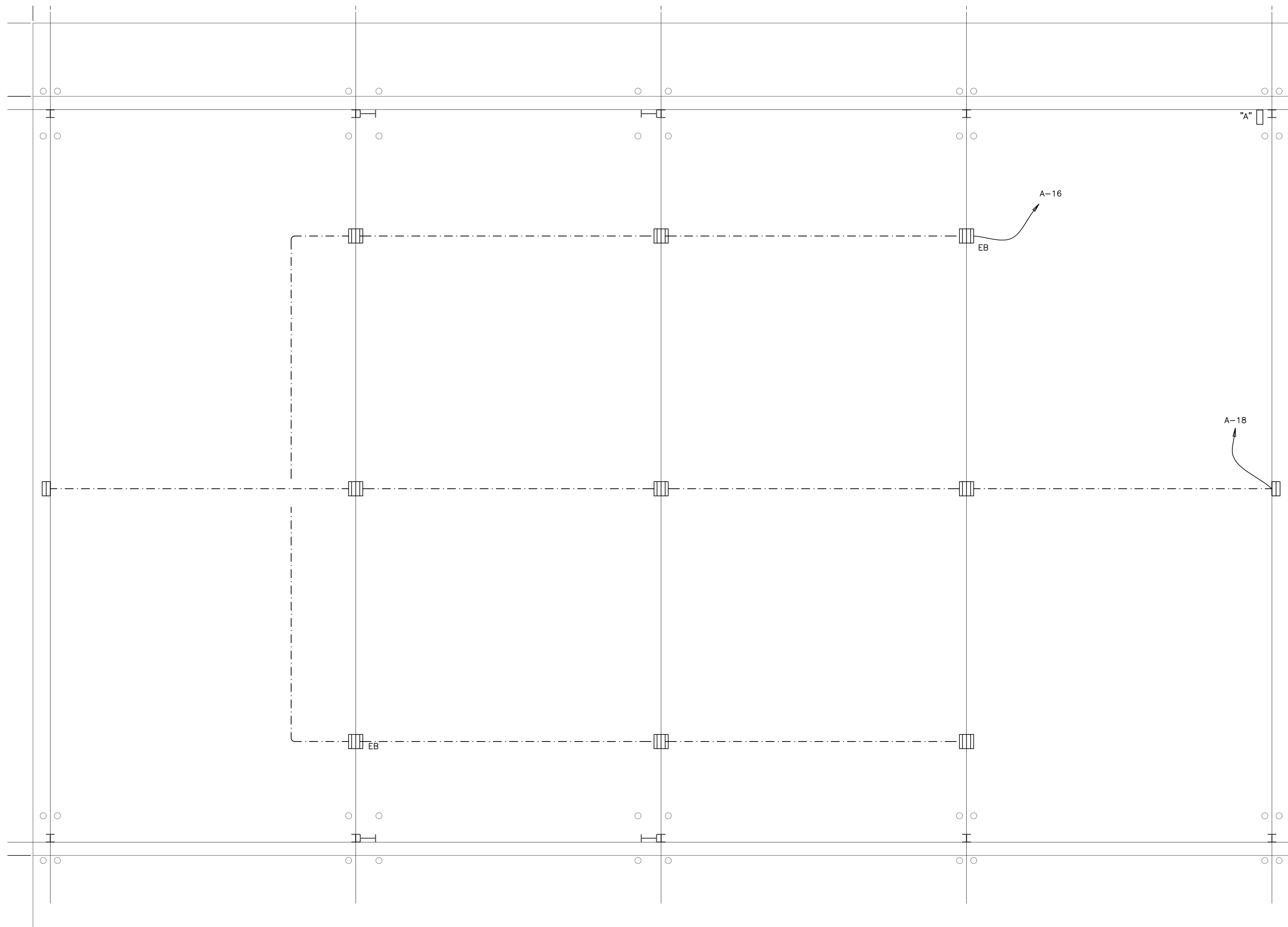
DAN CAMPBELL ENGINEERING, PA
911 South Chapman St. Greensboro, N.C. 27403 (336) 370-4980 dceng@bellsouth.net

PROJECT NO. 23090
REVISIONS



ELECTRICAL DRAWINGS FOR:
MAINTENANCE FACILITY ADDITION
20 OLD SCHOOL ROAD
ARCHDALE, N.C.

July 5, 2023
CD
E-1
OF 2



1 LIGHTING PLAN
E3 3/16" = 1'-0"

(NEW) LIGHTING SCHEDULE & ENERGY TABULATION

FIXTURE COUNT IS FOR ENERGY CALCULATIONS ONLY. CONFIRM FINAL COUNTS WITH OWNER OR OWNER'S REP.

TYPE	FIXTURE SYMBOL	FIXTURE DESCRIPTION	MANUFACTURER	# OF FIXT. SPEC'D.	LAMP WATTS	WATTS/FIXTURE	SUB-TOTAL WATTS
A	☐	L.E.D. HIGH BAY UL WET LOCATION SURFACE-MTD. ON STEEL CROSS MEMBER WITH YOKE MTD. ACCESSORY	LITHONIA X1B L24 24000LM ATWD MVOLT 40K 80CRI WITH WGX WIREGUARD & SBGR6 ADC MOTION SENSOR WITH DIMMER PHOTOCELL "EB" BATTER BACKUP #1E18WCPHECW ALL UNITS TO HAVE SURGE PROTECTION	9	155.3	155.3	1,397.7
B	☐	L.E.D. WALL PACK FIXTURE	ATLAS #WPM 64LED 4K PC BRONZE WITH PHOTOCELL CONTROL	2	64	64	128
							EXTERIOR

TOTAL WATTS SPEC'D: 1,397.7

EMERGENCY LIGHTING FIXTURE SCHEDULE

☐	2 HEAD EMER. LT W/ ADJUSTABLE HEADS	PHILLIPS #VU6 OR EQUAL DUALITE	WITH INTEGRAL BATTERY BACKUP AND ALL REQ'D MTG. HARDWARE
☐	UNIVERSAL MTD. EXIT SIGN W/ BATTERY	PHILLIPS #VERWEM OR EQUAL DUALITE	
☐	COMBO EXIT/EMER. W/ BATTERY. HEADS MTD. ON SIDES	PHILLIPS #VCRWLRC OR EQUAL DUALITE. INCLUDE EXTRA CAPACITY BATTERY	
☐	TWO LAMP OUTDOOR RATED EMG. EGRESS LT. WITH PHOTOCELL AND EMG. BATTERY PACK.	LUMINAIRE LTG. CORP #YRY 13-2PLC13-MVOLT-CP-BRZ-EMB-SHCAB-PC	

SWITCHING

- d = DIMMER
- ☐₃ 3 OR 4 = THREE-WAY OR FOUR-WAY SWITCHING
- = DUAL TECHNOLOGY OCCUPANCY SENSOR (MOTION + HEAT)
- \$ 20A SINGLE POLE SWITCH MOUNTED 46" AFF UNLESS OTHERWISE NOTED
- \$3 20A THREE WAY SWITCH MOUNTED 46" AFF UNLESS OTHERWISE NOTED
- \$o WALL RECESSED DUAL TECHNOLOGY OCCUPANCY SENSOR

Occupant Sensor Controls, Section C 405.2.1
 Occupancy sensors must be installed in the following areas.
 1) Classrooms/lecture/training rooms,
 2) Conference/meeting rooms/multipurpose rooms,
 3) Copy/print rooms.
 4) Lounges.
 5) Employee lunch and break rooms;
 6) Private offices.
 7) Restrooms.
 8) Storage rooms over 100 square feet; and
 9) Janitorial closets.
 10) Computer server rooms.
 11) Mechanical and electrical equipment rooms.
 Also see NEC article 110.26(D).
 12) Warehouses or other methods listed in section C 405.

2018 INTERNATIONAL ENERGY CONSERVATION CODE SECTION 405 - LIGHTING SYSTEMS

PRESCRIPTIVE PERFORMANCE ENERGY COST BUDGET

(LIGHTING - SEE PLAN FOR FIXTURE SPECIFICATIONS)

TABLE C405.4.2 WAS USED TO CALCULATE THE INTERIOR LIGHTING POWER ALLOWANCES:

BUILDING AREA (AFFECTED BY NEW LIGHTING) = 6,324 sq. ft.
 ALLOWED WATTS = 1.19_w/ft x 6,324 = 7,525.6 WATTS (WORKSHOP)

TOTAL ALLOWED WATTS = 7,525.6 WATTS

WATTS SPECIFIED = 1,397.7 WATTS

% OF ALLOWED = 1,397.7 / 7,525.6 = 18.6 %

REDUCED LIGHTING POWER DENSITY SYSTEM IN ACCORDANCE WITH SECTION C406.3

EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS)

MOTOR HP(S)	NUMBER OF PHASES	MINIMUM EFFICIENCY (%)	MOTOR TYPE	# OF POLES
NA	NA	NA	NA	NA

DESIGNER STATEMENT:
 TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE

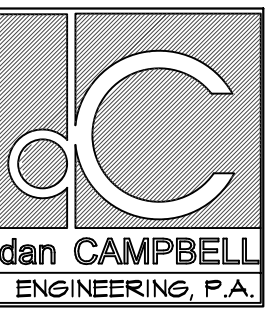
SIGNED: PLEASE SEE SEAL

NAME: Dan O. Campbell, Jr.

TITLE: P.E. (Electrical Engineer)

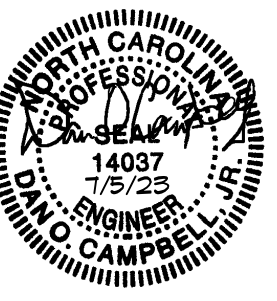
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PROJECT NO. 23090
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ELECTRICAL DRAWINGS FOR:
MAINTENANCE FACILITY ADDITION
 20 OLD SCHOOL ROAD
 ARCHDALE, N.C.

LIGHTING PLAN

July 5, 2023
 CD
 E-2
 OF 2