TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

10/10/2025

2WR # 24-01977

GENERAL

ARCHITECTURAL

STRUCTURAL

MECHANICAL / PLUMBING

ELECTRICAL

CIVIL

CIVIL DOCUMENTS PREPARED BY OTHERS UNDER SEPARATE CONTRACT (TO BE INCLUDED IN BASE BID)

OWNER REPRESENTATIVE
JAMES (JAY) ANDERSON
ASSISTANT COUNTY MANAGER
TROUP COUNTY BOARD OF COMMISSIONERS
100 RIDLEY AVENUE
LAGRANGE, GA 30240
P (706) 298-3792
MOBILE: (706) 298-1883

ARCHITECT
ALEX GRIGGS
2WR + PARTNERS
11 9TH STREET, SUITE 120
COLUMBUS, GA 31901
P (706) 571-6923
E: ALEX@2WRARCH.COM

STRUCTURAL ENGINEER
MATT PEARSON
WRIGHT ENGINEERING
7413 WHITESVILLE RD STE 800
COLUMBUS, GA 31904
P (706) 507-0232
E: MPEARSON@WRIGHTENG.NET

MEP ENGINEER
MARK LEVERETT
PEACH ENGINEERING
1214 1ST AVE,
COLUMBUS, GA 31901
P (706) 596-1840
E: MLEVERETT@PEACHENGINEERING.COM

CIVIL ENGINEER
SCOTT HARRIS
HARRIS-GRAY, LLC
824 3RD AVENUE,
WEST POINT, GA 31833
P (706) 645-5885
E: SHARRIS@HARRIS-GRAY.COM

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	10/10/2025
Drawn by:	WAG
Checked by:	WAG

Revisions:

No.	Date	Description

COVER SHEET

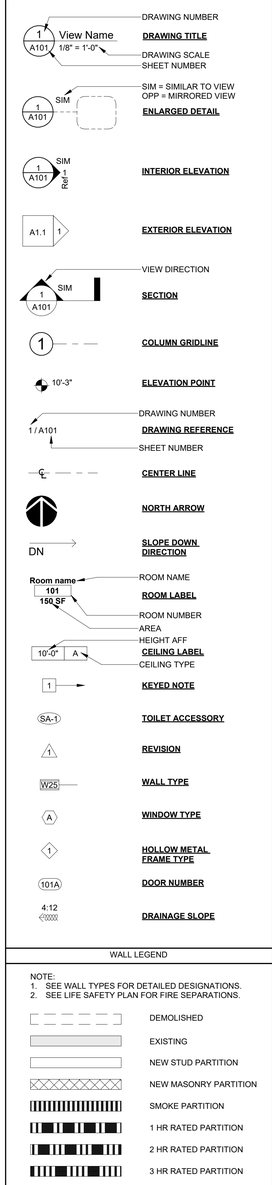
T1.1

PRINTED: 10/10/2025 3:01:56 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

ABBREVIATIONS

@	At
ABV	Above
ACT	Acoustic Ceiling Tile
ADJ	Adjacent
AFF	Above Finished Floor
ALT	Alternate
ALUM	Aluminum
APPROX	Approximately
ARCH	Architect/Architectural
AVG	Average
BD	Board
BLDG	Building
BLKG	Blocking
B.O.	Bottom of
BOS	Bottom of Step
BOT	Bottom
BSMT	Basement
CAB	Cabinet
CF	Cubic Feet
CG	Corner Guard
CIP	Cast In Place
CJ	Control Joint Construction Joint
CL	Center Line
CLG	Ceiling
CLR	Clear
CM	Construction Manager
CMU	Cement Masonry Unit
COL	Column
CONC	Concrete
CONST	Construction
CONT	Continuous
COORD	Coordinate
CPT	Carpet
CT	Ceramic Tile
CTR	Center
D	Deep or Depth
DBL	Double
DEMO	Demolish
DEPT	Department
DET	Detail
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DN	Down
DWG	Drawing
EA	Each
EJ	Expansion Joint
EL	Elevation
ELEC	Electric or Electrical
ELEV	Elevator
ENG	Engineer
EQ	Equal
EQUIP	Equipment
EXIST	Existing
EW	Equal Width
EXT	Exterior
FA	Fire Alarm
FDN	Foundation
FEC	Fire Extinguisher Cab
FFE	Finished Floor Elevation
FIN	Finish
FLR	Floor
FT	Foot or Feet
FUR	Furred or Furring
FURN	Furnished
GA	Gauge
GALV	Galvanize(d)
GC	General Contractor
GEN	General
GWB	Gypsum Wall Board
GYP	Gypsum
HC	Hollow Core
H/C	Handicap Accessible
HDW	Hardware
HM	Hollow Metal
HOR	Horizontal
HR	Hour
H	Height
HVAC	Heating, Vent. & A/C
IN	Inch
INCL	Included/ing
INFO	Information
INSUL	Insulation
INT	Interior
JC	Janitor's Closet
JST	Joist
JT	Joint
LAM	Laminate
LAV	Lavatory
LBS	Pounds
LF	Linear Feet
LOC	Location
MACH	Machine
MAINT	Maintenance
MAT	Material
MAX	Maximum
MECH	Mechanical
MFR	Manufacturer
MIN	Minimum or Minute
MISC	Miscellaneous
M.O.	Masonry Opening
MTD	Mounted
MTL	Metal
N/A	Not Applicable
N.I.C.	Not in Contract
NOM	Nominal
NO.	Number
NTS	Not to Scale
O.C.	On Center
OD	Outside Diameter
OFCI	Owner Furnished Contractor Installed
OPP	Opposite
OZ	Ounce
PERF	Perforated
PERIM	Perimeter
PH	Partial Height
PLAM	Plastic Laminate
PLUM	Plumbing
PLWD	Plywood
PREFAB	Prefabricated
PSF	Pounds Per Square Foot
PSI	Pounds Per Square Inch
PT	Pressure Treated
PTD	Painted
PVC	Poly Vinyl Chloride
QTY	Quantity
QT	Quarry Tile
R	Radius
RD	Roof Drain, Road
REBAR	Reinforcing Bar
REF	Refrigerator
REINF	Reinforced
REQ'D	Required
REV	Revision
RM	Room
R.O.	Rough Opening
SC	Solid Core
SCHED	Schedule
SEC	Section
SF	Square Feet
SHT	Sheet
SIM	Similar
SPEC	Specification
SS	Stainless Steel
SQ	Square
STC	Sound Transmission Class
STD	Standard
STOR	Storage
STRUCT	Structural
SV	Sheet Vinyl
SYS	System
T&G	Tongue and Groove
TEL	Telephone
THRU	Through
THK	Thick
T.O.S.	Top of Steel
TLT	Toilet
TYP	Typical
U.N.O.	Unless Noted Otherwise
UTIL	Utility
VAR	Variable
VCT	Vinyl Composite Tile
VERT	Vertical
VEST	Vestibule
V.I.F.	Verify in Field
VOL	Volume
VWC	Vinyl Wall Covering
W	With
W/O	With Out
WC	Water Closet
WD	Wood
WNDW	Window
WF	Wide Flange
WT	Weight
WWF	Welded Wire Fabric

ARCHITECTURAL SYMBOLS



WALL LEGEND

NOTE:
1. SEE WALL TYPES FOR DETAILED DESIGNATIONS.
2. SEE LIFE SAFETY PLAN FOR FIRE SEPARATIONS.

- DEMOLISHED
- EXISTING
- NEW STUD PARTITION
- NEW MASONRY PARTITION
- SMOKE PARTITION
- 1 HR RATED PARTITION
- 2 HR RATED PARTITION
- 3 HR RATED PARTITION

GENERAL NOTES

USE OF CONTRACT DOCUMENTS

1. DRAWINGS AND SPECIFICATIONS OF ALL DISCIPLINES INCLUDED HEREIN CONSTITUTE THE FULL SCOPE OF THIS PROJECT. THESE DOCUMENTS ARE INTENDED TO ESTABLISH THE FULL CONTRACTUAL OBLIGATION OF THE GENERAL CONTRACTOR TO COMPLETE THE WORK SHOWN AND SPECIFIED. IT SHALL BE THE GENERAL CONTRACTOR'S ULTIMATE RESPONSIBILITY TO COORDINATE THE PROPOSALS AND WORK OF ALL TRADES.
2. ARCHITECTURAL AND ENGINEERING DRAWINGS ARE COMPLIMENTARY. ITEMS INDICATED ON ARCHITECTURAL DRAWINGS SHALL BE PROVIDED WHETHER OR NOT THEY ARE INDICATED ON AND/OR COORDINATED WITH CONSULTANTS' DRAWINGS. ANY CONFLICTS BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
3. CONTRACTORS SHALL COORDINATE THE SCOPE OF THEIR WORK WITH THE CONTRACT DOCUMENTS. PLANS AND SPECIFICATIONS SHALL NOT BE SEPARATED. NO CLAIMS FOR EXTRAS WILL BE CONSIDERED DUE TO SUB-CONTRACTOR NOT RELATING SCOPE OF WORK TO CONTRACT DOCUMENTS.
4. ALL WORK IS TO BE IN STRICT COMPLIANCE WITH ALL STATE LAWS AND CODES WHICH APPLY TO THIS USE AND TO GENERALLY ACCEPTED CONSTRUCTION TRADE PRACTICES.
5. THE ARCHITECT WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
6. SECTIONS AND DETAILS CONTAINED IN THE CONTRACT DOCUMENTS ARE TYPICAL. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPONENTS AND/OR CONSTRUCTION NOTED OR INDICATED IN OTHER SIMILAR AREAS OF THE PROJECT IF THEY CAN BE REASONABLY INFERRED TO BE A PART OF THE ASSEMBLY BASED ON OTHER SIMILAR SECTIONS AND DETAILS CONTAINED IN THE CONTRACT DOCUMENTS.
7. NOT ALL COMPONENTS IN EACH DETAIL MAY BE SPECIFICALLY CALLED OUT ON THAT PARTICULAR ARCHITECTURAL DETAIL. CONTRACTOR SHALL STILL BE RESPONSIBLE FOR PROVIDING THESE ITEMS IF THEY CAN BE REASONABLY INFERRED TO BE A PART OF THE ASSEMBLY BASED ON OTHER SIMILAR DETAILS CONTAINED WITHIN THE CONTRACT DOCUMENTS.
8. DO NOT SCALE ANY DRAWINGS TO DETERMINE DIMENSIONS. RELY ONLY ON FIELD MEASUREMENT AND WRITTEN DIMENSIONS FOR NEW WORK.
9. ALL DIMENSIONS ARE FROM FACE OF STUD OR FACE OF MASONRY (UNO).
10. ALL DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO PROCEEDING WITH THE WORK OF THIS CONTRACT. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND CONTRACT DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
11. "SCALE" INDICATED ON THE ELEVATIONS MAY NOT BE REPRESENTATIVE OF A SCALED DRAWING. THE CONTRACTOR SHALL MAKE FIELD MEASUREMENTS AS REQUIRED TO ASCERTAIN THE EXTENT AND QUANTITY OF WORK TO BE PERFORMED.
12. SUBCONTRACTORS SHALL INVESTIGATE ALL EXISTING CONDITIONS ASSOCIATED WITH THEIR SCOPE OF WORK AND VERIFY REQ'D QUANTITIES OF MATERIALS PRIOR TO PROVIDING A BID TO THE GENERAL CONTRACTOR. NO CHANGE ORDERS WILL BE GRANTED FOR ADDITIONAL WORK REQ'D WHICH IS EVIDENT FROM FIELD INVESTIGATION AND IS CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
13. SUBCONTRACTORS SHALL VERIFY REQ'D QUANTITIES OF MATERIALS WITH THE GENERAL CONTRACTOR PRIOR TO PURCHASING. NO CHANGE ORDERS WILL BE GRANTED FOR ADDITIONAL QUANTITIES OR DETAIL WORK REQ'D WHICH IS EVIDENT FROM FIELD CONDITIONS AND IS CONSISTENT WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
14. ANY WORK INSTALLED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL EXPENSE TO THE OWNER, ARCHITECT, OR CONSULTANTS.

CONTRACTOR RESPONSIBILITY

1. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND INSPECTIONS
2. CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND FEES REQUIRED, NOT NORMALLY COVERED BY THE BUILDING PERMIT.
3. THE CONTRACTOR SHALL FILE ALL NECESSARY CERTIFICATES OF INSURANCE, PAY ALL FEES, AND OBTAIN ANY AND ALL BONDS REQUIRED BY ANY AGENCY IN ORDER TO DO THE WORK HEREIN DESCRIBED.
4. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES BELOW GRADE AND RELATED SERVICE CONNECTIONS WITH THE RESPECTIVE UTILITY COMPANIES.
5. THE CONTRACTOR SHALL REMOVE FROM THE SITE AND DISPOSE OF ALL TRASH, DEBRIS AND CONSTRUCTION MATERIALS DUE TO CONSTRUCTION OR DEMOLITION PRIOR TO COMPLETION OF THE WORK. THE CONTRACTOR SHALL LEAVE THE SITE IN A CONDITION EQUAL TO OR BETTER THAN IT WAS BEFORE COMMENCEMENT OF WORK ON THIS CONTRACT. THE CONTRACTOR SHALL ALSO ENSURE THAT TRASH AND DEBRIS ARE NOT BLOWN OR SPREAD ON OR OFF SITE DURING PERFORMANCE OF THE WORK.
6. THE CONTRACTOR SHALL RESTRICT ACCESS TO THE ROOF TO ONLY THOSE FORCES NEEDING ACCESS TO THE ROOF IN ORDER TO COMPLETE THEIR WORK. FINISHED ROOF SURFACES ARE TO BE PROTECTED AT ALL TIMES.
7. THE CONTRACTOR SHALL LIMIT HIS WORK AND FORCES UNDER HIS CONTROL TO ONLY THOSE AREAS OF WORK AS DEFINED BY THE CONTRACT DOCUMENTS.
8. THE CONTRACTOR SHALL PROVIDE CRAFTSMAN-LIKE INSTALLATION AND FINISH OF ALL EXPOSED CONSTRUCTION SYSTEMS.
9. PAINT ALL EXPOSED SCHEDULED PIPING, CONDUIT AND MECHANICAL EQUIPMENT IN AREAS NOTED TO BE PAINTED.
10. THE CONTRACTOR SHALL REPAIR AT HIS EXPENSE DAMAGE TO ANY FINISHES TO REMAIN WHICH ARE INCURRED DURING WORK ON THIS CONTRACT.
11. THE CONTRACTOR SHALL PROVIDE ADEQUATE WEATHER PROTECTION FOR THE BUILDING AND ITS CONTENTS DURING THE COURSE OF THE WORK. ALL OPENINGS IN ANY WALL OR ROOF SHALL BE PROTECTED FROM ALL FORMS OF WEATHER OR WATER.

FIRE RATED CONSTRUCTION

1. ALL DUCT PENETRATIONS THROUGH PARTITIONS AND CEILINGS SHALL BE PROVIDED WITH NECESSARY FRAMES AND BRACING AROUND THE OPENING.
2. DUCT PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE PROVIDED WITH AUTOMATIC FIRE DAMPERS AS REQUIRED BY CURRENT FIRE CODE AND THE LOCAL AUTHORITY HAVING JURISDICTION.
3. THE CONTRACTOR SHALL PROVIDE A COMPLETE FIRE SAFE BARRIER SEALING ALL AIR SPACES AND OPENINGS IN FIRE PROTECTED WALLS.
4. ALL FIRE AND/OR SMOKE BARRIERS OR WALLS SHALL BE EFFECTIVELY AND PERMENANTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE A DECORATIVE CEILING AND/OR IN CONCEALED SPACES WITH LETTERS A MINIMUM OF (2) INCHES HIGH ON A CONTRASTING BACKGROUND SPACED A MAXIMUM OF (12) FEET ON CENTER WITH A MINIMUM OF (1) PER WALL OR BARRIER IN ACCORDANCE WITH MODIFICATIONS OF THE 2006 STANDARD FIRE PREVENTION CODE, 120-3-3, CHAPTER 5 OF THE RULES AND REGULATIONS OF THE FIRE SAFETY COMMISSIONER. THE HOURLY RATING SHALL BE INCLUDED ON ALL RATED BARRIERS OR WALLS IN FORMAT: "-- HOUR FIRE AND SMOKE BARRIER. PROTECT ALL OPENINGS."
5. ALL PENETRATIONS THROUGH FIRE RATED SYSTEMS (WALLS, FLOORS, CEILINGS, ETC.) SHALL BE SEALED WITH 3M BRAND FIRE BARRIER CAULK CP25NS NO-SAG OR CP25SL SELF-LEVELING OR EQUAL. DEPTH OF CAULK SHALL BE AS REQUIRED TO ACHIEVE THE REQUIRED FIRE RATING FOR THAT SYSTEM. PROVIDE BACKER ROD AS NECESSARY FOR BACK UP MATERIAL. NOTE BOTH SIDES OF RATED SYSTEMS SHALL BE CAULKED.
6. FIRESTOPPING REQUIREMENT: PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF TEST STANDARD SPECIFICS FOR FIRESTOPS, ASTM E814.

NEW CONSTRUCTION

1. ALL WOOD IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED WITH AN APPROVED PRESERVATIVE.
2. ALL INSULATIONS NOTED ON PLANS SHALL BE NONCOMBUSTIBLE AND MAINTAIN THERMAL AND MOISTURE PROTECTION AS NOTED IN THE SPECIFICATIONS.
3. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE VARIOUS TRADE ITEMS WITHIN THE SPACE ABOVE ALL CEILINGS (INCLUDING, BUT NOT LIMITED TO: STRUCTURAL MEMBERS, MECHANICAL DUCTS AND INSULATION, CONDUITS, RACEWAYS, SPRINKLER SYSTEM, LIGHT FIXTURES, CEILING SYSTEMS, AND ANY SPECIAL STRUCTURAL SUPPORTS REQUIRED) AND SHALL BE RESPONSIBLE FOR MAINTAINING THE FINISH CEILING HEIGHT ABOVE THE FINISH FLOOR INDICATED IN THE DRAWINGS AND THE FINISH SCHEDULE. (CEILING HEIGHT DIMENSIONS ARE TO THE FINISH SURFACE OF CEILING.) CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING OF ANY CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
4. ACCESS PANELS SHALL BE PROVIDED AND INSTALLED WHEREVER REQUIRED BY BUILDING CODE OR FOR THE PROPER OPERATION OR MAINTENANCE OF MECHANICAL OR ELECTRICAL EQUIPMENT, WHETHER OR NOT INDICATED ON THE DRAWINGS. CONTRACTOR SHALL COORDINATE SIZE, LOCATION, AND TYPE OF ACCESS PANEL WITH OTHER CONTRACTORS' WORK AND RECEIVE APPROVAL OF THE ARCHITECT. ACCESS PANEL SHALL BE AS SPECIFIED. NO ACCESS PANEL SHALL BE LOCATED, FRAMED OR INSTALLED WITHOUT THE EXPRESSED APPROVAL OF THE ARCHITECT.
5. ALL DUCT PENETRATIONS THROUGH PARTITIONS AND CEILINGS SHALL BE PROVIDED WITH NECESSARY FRAMES AND BRACING AROUND THE OPENING AND SHALL BE PROVIDED WITH AUTOMATIC FIRE DAMPERS AS REQUIRED BY THE BUILDING DEPARTMENT FOR FIRE-RATED PENETRATIONS.
6. HORIZONTAL JOINT REINFORCEMENT IS GENERALLY NOT SHOWN FOR REASONS OF CLARITY. TIES AND ANCHORS SPECIFICALLY NOTED ON DETAILS ARE IN ADDITION TO HORIZONTAL JOINT REINFORCEMENT UNLESS SPECIFICALLY NOTED OTHERWISE.
7. SIZE OF MECHANICAL AND ELECTRICAL EQUIPMENT PADS AND BASES ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY DIMENSIONS WITH RESPECTIVE EQUIPMENT MANUFACTURER.
8. CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACK-UP PLATES, BLOCKING, AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, TOILET ACCESSORIES AND ALL FLOOR-MOUNTED OR SUSPENDED MECHANICAL AND ELECTRICAL EQUIPMENT.
9. ALL DISSIMILAR METALLIC MATERIALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO PREVENT GALVANIC ACTION.
10. FILLED CMU CELLS N ON ARCHITECTURAL DRAWINGS ARE IN ADDITION TO THOSE SHOWN ON STRUCTURAL DRAWINGS AND SHALL BE REINFORCED AS INDICATED THEREIN.

SITE WORK

1. SOD, LANDSCAPING, SIDEWALKS, CURBS OR ANY OTHER SITE APPURTENANCES DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO PRE-CONSTRUCTION CONDITIONS AT THE CONTRACTOR'S EXPENSE PRIOR TO COMPLETION OF THIS PROJECT.
2. WHERE CONC. WALKWAYS ABUT EXTERIOR MASONRY WALLS, CONTRACTOR SHALL ADJUST THE HEIGHT OF WEEPS AND BASE FLASHING AS NECESSARY TO PROVIDE CAVITY DRAINAGE ABOVE ADJACENT SURFACES, TYP.

GC NOTE:

THESE DOCUMENTS WERE ORIGINALLY PREPARED FOR A PROTOTYPICAL FIRE STATION WITHOUT AN EXACT SITE.

THESE DOCUMENTS CONTAIN CIVIL DOCUMENTS FOR THIS PROJECT. PROJECT NORTH MAY VARY FROM CIVIL DOCUMENTS.

PLEASE NOTE REFERENCES TO ALTERNATES THROUGHOUT THE SET, SPECIFICALLY IN THE STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL SETS. AS A PART OF THE ROANOKE SITE THERE ARE ONLY TWO ALTERNATES TO BE GIVEN.

THE ATERNATES ARE AS FOLLOWS:

ADD ALTERNATE 1 - CONSTRUCT A 17'-4" X 10'-8" ADDITION TO THE APPARATUS BAY FOR A CASCADE ROOM ADDITION AS DETAILED THROUGHOUT THE DOCUMENTS. THIS ROOM MAY BE ADDED TO THE TWO BAY STATION OR THE THREE BAY STATION.

ADD ALTERNATE 2 - WIDEN THE APPARATUS BAY TO ACCOMMODATE A THIRD BAY - SEE PLANS ON SHEET A1.1A AND OTHER STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DOCUMENTS FOR THIS ALTERNATE.

DISREGARD OTHER NOTED ALTERNATE NUMBERS LISTED THROUGHOUT THESE DOCUMENTS. THE OWNER HAS ELECTED TO MAKE ALTERNATE 3 INDICATING THE SHIFT COMMANDER'S OFFICE AND DORM ROOM AS PART OF THE BASE BID.

WALL TYPE GENERAL NOTES

1. WALL TYPES ARE GENERIC IN NATURE AND DO NOT SHOW EVERY POSSIBLE CONFIGURATION OR CONDITION. REFER TO PLANS, ELEVATIONS, SECTIONS, AND DETAILS FOR SPECIFIC DESIGN INFORMATION AND ELEMENTS WHICH MAY ALTER INFORMATION CONTAINED IN WALL TYPES.
2. NEW EXTERIOR WALLS ARE DETAILED IN BUILDING AND WALL SECTIONS.
3. SEE STRUCTURAL PLANS FOR ADDITIONAL FRAMING INFORMATION AND REINFORCING.
4. COORDINATE SEALING OF PENETRATIONS AT RATED WALLS WITH MEP DRAWINGS AND SPECIFICATIONS.
5. REFER TO NOTED UL ASSEMBLY FOR ADDITIONAL CONSTRUCTION INFORMATION.
6. ALL FIRE WALLS, SMOKE WALLS, AND WALLS REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS ARE TO BE PERMANENTLY STENCIL LABELED ACCORDING TO FIRE CODE REQUIREMENTS IN ACCESSIBLE CONCEALED FLOOR, CEILING OR ATTIC SPACES.
7. REFER TO LIFE SAFETY PLANS FOR CONTINUITY OF ALL RATED PARTITIONS.
8. A FINISH OR FIRE RATING INDICATION ON A WALL SHALL MEAN THE ENTIRE LENGTH IS TO BE FINISHED OR FIRE RATED.

WALL TAG LEGEND

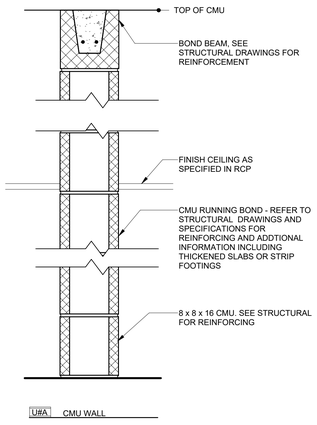
W 4 F-2

- **CORE COMPOSITION** (SEE SIZING CHART)
- **NOMINAL CORE SIZE** (SEE SIZING CHART)
- **SUBTYPE**
  - TYPICAL:
  - A FURRING
  - B NON RATED PARTITION
  - C NON RATED FULL-HEIGHT
  - D-Z PROJECT SPECIFIC
  - F-(HOURS) FIRE RATED (SEE DETAILS)
  - S-(HOURS) SMOKE RATED (SEE DETAILS)
  - X-(STC) SOUND RATED (SEE DETAILS)

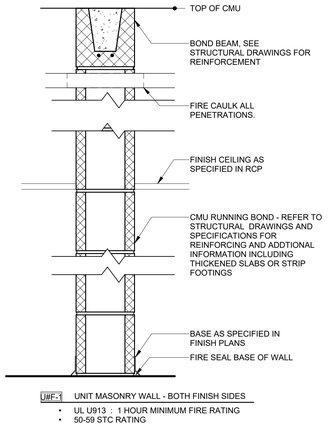
SEE WALL TYPE DETAILS FOR WALL ASSEMBLIES USED IN THIS PROJECT AND ADDITIONAL INFORMATION.

WALL TYPE NOMINAL SIZING

# - NOMINAL CORE SIZE	CORE COMPOSITION: METAL STUD (M)	WOOD STUD (W)	CMU (U)	BRICK (B)	CONCRETE (C)
1	(HAT CHANNEL)	1x (FURRING STRIPS)	-	-	-
2	1 5/8"	2x2	-	-	-
3	2 1/2"	2x3	-	-	-
4	3 5/8"	2x4	4"	1 WYTHE	4"
6	6"	2x6	6"	-	6"
8	8"	2x8	8"	2 WYTHE	8"
10	10"	2x10	10"	-	10"
12	12"	2x12	12"	3 WYTHE	12"



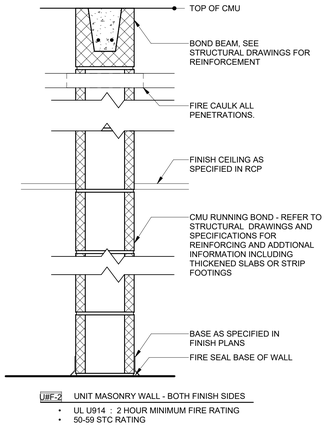
U#A CMU WALL



U#F-1 UNIT MASONRY WALL - BOTH FINISH SIDES

- UL U913 : 1 HOUR MINIMUM FIRE RATING
- 50-59 STC RATING

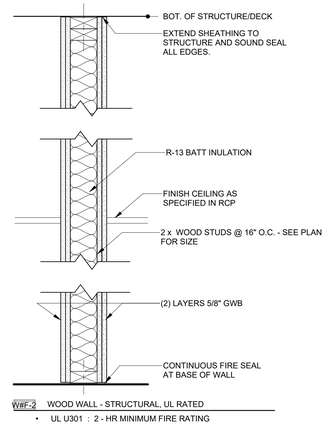
USE CLASS D-2 FIRE RATED UNITS AT ALL RATED LOCATIONS (AS SHOWN ON LS1.1)



U#F-2 UNIT MASONRY WALL - BOTH FINISH SIDES

- UL U914 : 2 HOUR MINIMUM FIRE RATING
- 50-59 STC RATING

USE CLASS D-2 FIRE RATED UNITS AT ALL RATED LOCATIONS (AS SHOWN ON LS1.1)



W#F-2 WOOD WALL - STRUCTURAL, UL RATED

- UL U301 : 2 - HR MINIMUM FIRE RATING

ABOVE (2) HR RATED CMU - SEE LIFE SAFETY PLAN AND BUILDING SECTIONS FOR SPECIFIC LOCATION

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

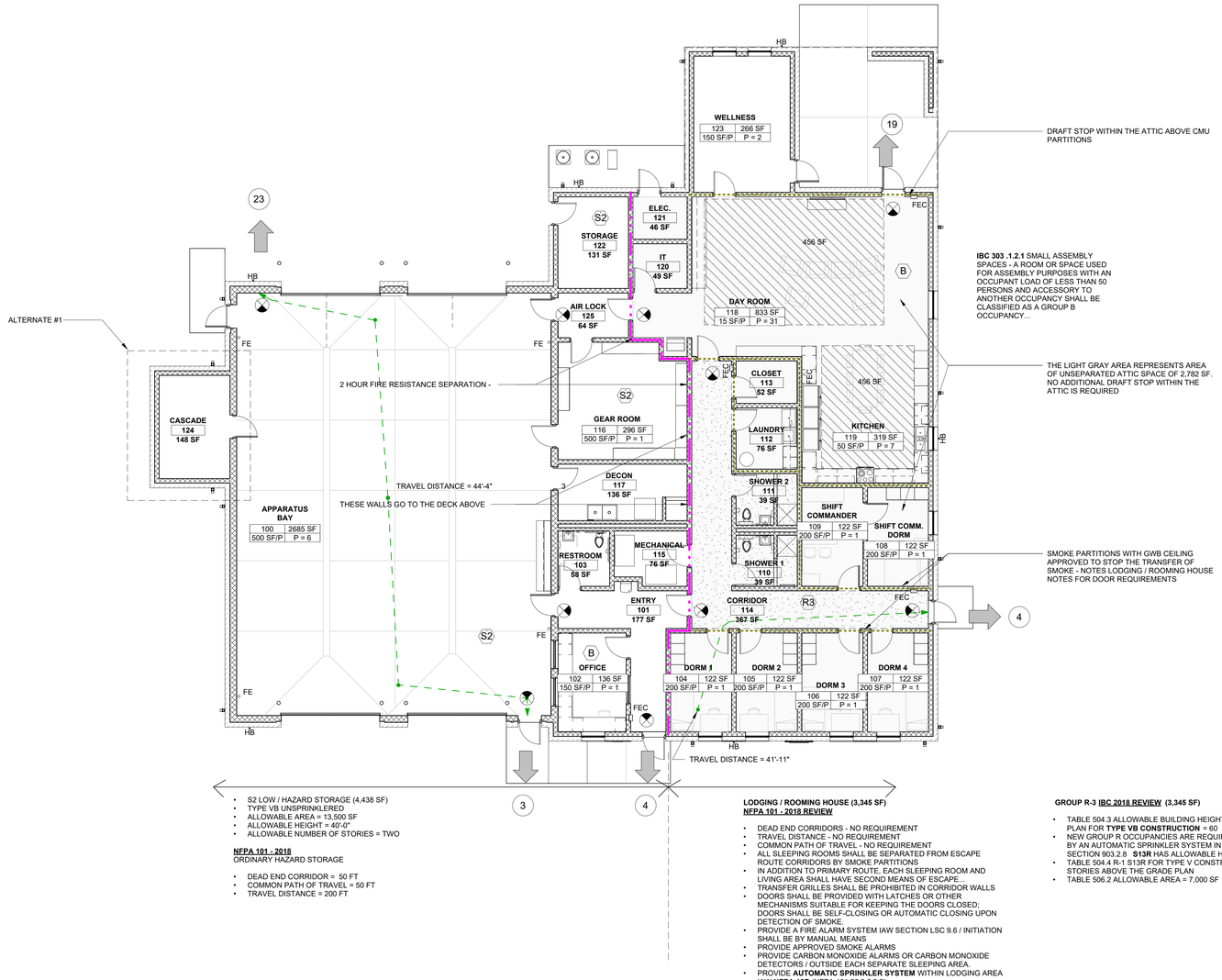
100% CONSTRUCTION DOCUMENTS

Project No.: 24-01977
Date: 10/10/2025
Drawn by: WAG
Checked by: EF
Revisions:

No.	Date	Description

GENERAL NOTES & LEGENDS

T1.2



- S2 LOW / HAZARD STORAGE (4,438 SF)
- TYPE VB UNSPRINKLERED
- ALLOWABLE AREA = 13,500 SF
- ALLOWABLE HEIGHT = 40'-0"
- ALLOWABLE NUMBER OF STORIES = TWO

NFPA 101 - 2018
ORDINARY HAZARD STORAGE

- DEAD END CORRIDOR = 50 FT
- COMMON PATH OF TRAVEL = 50 FT
- TRAVEL DISTANCE = 200 FT

LODGING / ROOMING HOUSE (3,345 SF)
NFPA 101 - 2018 REVIEW

- DEAD END CORRIDORS - NO REQUIREMENT
- TRAVEL DISTANCE - NO REQUIREMENT
- COMMON PATH OF TRAVEL - NO REQUIREMENT
- ALL SLEEPING ROOMS SHALL BE SEPARATED FROM ESCAPE ROUTE CORRIDORS BY SMOKE PARTITIONS
- IN ADDITION TO PRIMARY ROUTE, EACH SLEEPING ROOM AND LIVING AREA SHALL HAVE SECOND MEANS OF ESCAPE...
- TRANSFER GRILLES SHALL BE PROHIBITED IN CORRIDOR WALLS
- DOORS SHALL BE PROVIDED WITH LATCHES OR OTHER MECHANISMS SUITABLE FOR KEEPING THE DOORS CLOSED; DOORS SHALL BE SELF-CLOSING OR AUTOMATIC CLOSING UPON DETECTION OF SMOKE.
- PROVIDE A FIRE ALARM SYSTEM IAW SECTION LSC 9.6 / INITIATION SHALL BE BY MANUAL MEANS
- PROVIDE APPROVED SMOKE ALARMS
- PROVIDE CARBON MONOXIDE ALARMS OR CARBON MONOXIDE DETECTORS / OUTSIDE EACH SEPARATE SLEEPING AREA.
- PROVIDE **AUTOMATIC SPRINKLER SYSTEM** WITHIN LODGING AREA IAW **NFPA 13R** (NFPA 101 26.3.6.2.2)
- PROVIDE PORTABLE FIRE EXTINGUISHERS

GROUP R-3 IBC 2018 REVIEW (3,345 SF)

- TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLAN FOR **TYPE VB CONSTRUCTION** = 60
- NEW GROUP R OCCUPANCIES ARE REQUIRED TO BE PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.2.8 **S13R** HAS ALLOWABLE HEIGHT OF 60'
- TABLE 504.4 R-1 S13R FOR TYPE V CONSTRUCTION ALLOWS 3 STORIES ABOVE THE GRADE PLAN
- TABLE 506.2 ALLOWABLE AREA = 7,000 SF

ASSUMED PROJECT NORTH

1 / LS1.1 LIFE SAFETY PLAN

SCALE: 1/8" = 1'-0"

GENERAL CODE NOTES

1. ALL SPACES ARE _____ OCCUPANCY, U.N.O.
2. OCCUPANT LOAD OF ALL SPACES CALCULATED PER TABLE 1004.5 (IBC)
3. ALL SPACES NOT PROVIDED WITH A SPATIAL USE TAG OR OCCUPANT LOAD ARE CONSIDERED INCIDENTAL USE AND/OR ARE NOT CONSIDERED NORMALLY OCCUPIED SPACES.
4. ALL EXIT AND EXIT ACCESS DOORS PROVIDE 34" OF CLEAR EXIT WIDTH IF SINGLE LEAF AND 68" IF DOUBLE LEAF UNLESS OTHERWISE NOTED. AS SUCH, EGRESS CAPACITIES ARE 170 AND 340 OCCUPANTS RESPECTIVELY PER IBC SECTION 1005.
5. WHERE NON-FIRE RATED PARTITIONS INTERSECT FIRE RATED PARTITIONS THE FIRE RATED PARTITION SHALL REMAIN INTACT AND CONTINUOUS.
6. INSTALL ALL SPECIFIED FIRE EXTINGUISHERS AND CABINETS WHERE REQUIRED BY APPLICABLE CODES. PROVIDE AND INSTALL ANY ADDITIONAL CODE REQUIRED FIRE EXTINGUISHERS AND CABINETS WHERE DIRECTED BY CODE OFFICIALS AND/OR ARCHITECT. COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
7. COORDINATE LOCATIONS OF ALL FIRE PULL STATIONS, EXIT, LIGHTS, STANDPIPES, STROBES, AND EMERGENCY LIGHTING WITH ARCHITECT UNLESS OTHERWISE INDICATED. ALL STROBE LIGHTS SHALL BE CEILING MOUNTED TYPE WHERE EVER POSSIBLE. ANY WALL-MOUNTED STROBES SHALL BE MOUNTED AT 80" AFF (MINIMUM) TO BOTTOM OF STROBE LIGHT, UNLESS OTHERWISE NOTED (UON).
8. ALL SPRINKLER HEADS OCCURRING IN ACOUSTICAL TILE TO BE CENTERED IN ACOUSTICAL TILE UNLESS OTHERWISE NOTED. ALL SPRINKLER HEADS OCCURRING IN GYPSUM BOARD CEILING SHALL BE LOCATED WITH RELATION TO LIGHT FIXTURES. GENERALCONTRACTOR TO SUBMIT SPRINKLER HEAD LOCATION SHOP DRAWING TO: 1) FIRE MARSHALL FOR APPROVAL AND; 2) ARCHITECT FOR COORDINATION PRIOR TO INSTALLATION OF SPRINKLERS.
9. INSTALL ALL SPECIFIED EXIT SIGNS IN LOCATIONS APPROVED BY LOCAL JURISDICTIONS. PROVIDE AND INSTALL ANY ADDITIONAL EXIT SIGNS WHERE DIRECTED BY CODE OFFICIALS. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

LIFE SAFETY SYMBOLS LEGEND

- Room name / 101 / 150 SF — UNOCCUPIED SPACE TAG
- ROOM NAME / RM # / AREA / ## SF/P / P = # — OCCUPIED SPACE TAG (OCCUPANT LOAD RATIO / OCCUPANT LOAD)
- WAITING AREA 150 SF, P = 10 — AREA NAME; NET AREA OCCUPANT LOAD (SUBSET OF ROOM TOTAL); OCCUPANT LOAD
- EXIT DISCHARGE
- 54 — NUMBER OF OCCUPANTS IN EXIT PATH
- S2 — SPATIAL USE TAG
- ILLUMINATED FACE / DIRECTIONAL ARROW — EXIT LIGHT
- P = xx — OCCUPANT LOAD
- FEC-# — FIRE EXTINGUISHER CABINET
- FE — BRACKET MOUNTED FIRE EXTINGUISHER
- PATH OF TRAVEL ORIGINATION / TD: 90'-4" / CPT: 75'-10" — EXIT PATH AND DIRECTION OF TRAVEL; TRAVEL DISTANCE; COMMON PATH OF TRAVEL
- SMOKE PARTITION
- 2 HR FIRE PARTITION

PROJECT SUMMARY

FIRE STATION IS A **SEPARATED MIXED OCCUPANCY, SINGLE STORY BUILDING - NEW CONSTRUCTION**

IBC OCCUPANCY: MIXED

GROUP R-3	3,345 SF
GROUP S-2	4,438 SF
	7,783 SF ENCLOSED AREA
COVERED 400 @ 1/2	200 SF

NFPA 101 OCCUPANCY : MIXED

LODGING / ROOMING HOUSE
2 HOUR OCCUPANCY SEPARATION
LOW HAZARD STORAGE WITH INCIDENTAL BUSINESS

OCCUPANT LOAD TOTAL : PER LIFE SAFETY PLAN = 53
5 TRANSIENT RESIDENTS + 2 OFFICES

CONSTRUCTION TYPE : **TYPE VB UNSPRINKLERED STORAGE / SPRINKLERED NFPA 13R LODGING**

EXITS REQUIRED: 2

SEE PLAN FOR FIRE RATED PARTITION REQUIREMENTS

APPLICABLE CODES W/ STATE AMENDMENTS	IBC	2018 EDITION
	IBC MECHANICAL CODE	2018 EDITION
	IBC PLUMBING CODE	2018 EDITION
	IBC FUEL GAS CODE	2018 EDITION
	NATIONAL ELECTRICAL CODE	2020 EDITION
	NFPA 101	2018 EDITION
	ADA	2010 EDITION
	IECC	2015 EDITION
	INTERNATIONAL FIRE CODE	2018 EDITION
	NFPA 13R	2016 NOT AMENDED

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.: 24-01977
Date: 10/10/2025
Drawn by: WAG
Checked by: WAG
Revisions:

No.	Date	Description

LIFE SAFETY PLAN

LS1.1

PRINTED: 10/10/2025 3:01:59 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

CONSTRUCTION PLANS

Troup County Fire Station

PLANS PREPARED: 10-10-25

FOR STAND ALONE PROJECTS THAT BEGIN CONSTRUCTION ACTIVITY AFTER THE EFFECTIVE DATE OF THIS PERMIT, THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, OR AN ALTERNATIVE DESIGN PROFESSIONAL APPROVED BY EPD IN WRITING, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMPs HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

REVISIONS OR AMENDMENTS TO THESE PLANS SHOULD BE SUBMITTED TO THE LOCAL ISSUING AUTHORITY FOR REVIEW.

NPDES CERTIFICATIONS

1. I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES MEETS THE DESIGN REQUIREMENTS AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

2. "I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION."

3. GEORGIA'S 2012 OR SUBSEQUENT 305(b)/303(d) LIST DOCUMENTS HAVE BEEN CONSULTED. IT WAS DETERMINED THAT THIS SITE DOES NOT DRAIN INTO AN IMPAIRED STREAM SEGMENT, NOR IS WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT.

10-10-25

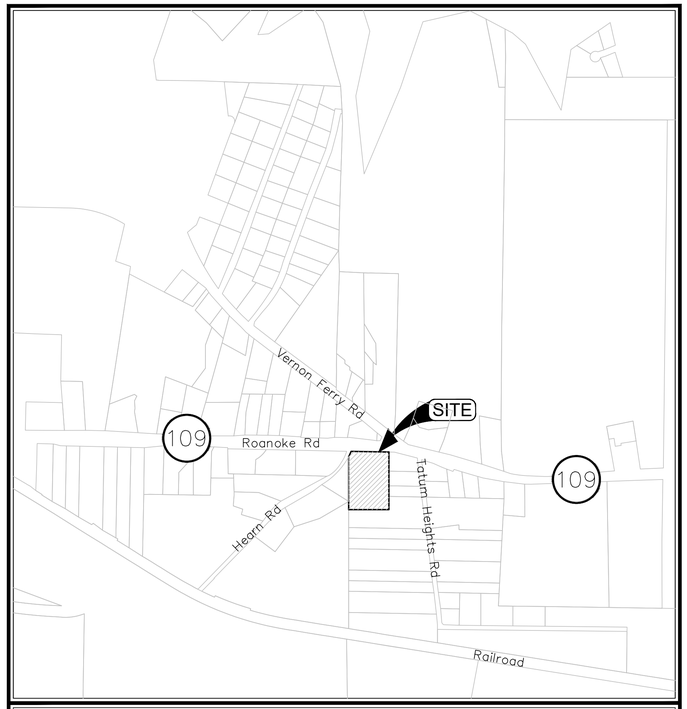
SCOTT HARRIS, P.E. # 35488, GWSCC # 4456 — DATE

OWNER:
Troup Co. Board of Commissioners
100 Ridley Ave.,LaGrange, GA 30240
CONTACT: James Anderson
706-645-5885

ENGINEER / SURVEYOR:
HARRIS GRAY LLC
824 3RD AVENUE
WEST POINT, GA 31833
706-645-5885
CONTACT: SCOTT HARRIS, P.E.

24 HOUR LOCAL CONTACT:
James Anderson @ 706-298-3792
janderson@troupco.org

GEORGIA811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.



VICINITY MAP — N.T.S

LAND LOT 137 - 5th LAND DISTRICT
TROUP COUNTY, GEORGIA
GPS COORDINATES
LATITUDE 33.033913
LONGITUDE -85.111546
SITE ADDRESS: 3157 Roanoke Rd.

SHEET INDEX

ANTICIPATED CONSTRUCTION SCHEDULE

ACTIVITY	2025 - 2026 MO. 1 (1 2 3 4)	MO. 2 (1 2 3 4)	MO. 3 (1 2 3 4)	MO. 4 (1 2 3 4)	MO. 5 (1 2 3 4)
EROSION CONTROL / BMP INSTALLATION	■				
EROSION CONTROL / BMP MAINTENANCE*	■	■	■	■	■
CLEARING & GRUBBING	■				
GRADING	■	■			
STORM DRAINAGE	■	■			
UTILITIES (WATER, SEWER, ETC.)		■	■		
PARKING SUBBASE		■	■		
BUILDING		■	■	■	■
FINAL PAVING					■
LANDSCAPING & GRASSING					■

1. MAINTENANCE OF EROSION AND SEDIMENT CONTROL WILL BE MONITORED DAILY AND INSPECTED WEEKLY THROUGHOUT PROJECT.
2. NOTIFY INSPECTOR 24 HOURS BEFORE BEGINNING EVERY PHASE OF CONSTRUCTION.
3. CONTRACTOR IS TO REMOVE ALL TEMPORARY SEDIMENT CONTROL AFTER FINAL STABILIZATION OF SITE.

GEORGIA REGISTERED PROFESSIONAL ENGINEER JOHN SCOTT HARRIS
No. PE35488
10/7/25
GSWCC LEVEL II # 4456

HARRIS GRAY, LLC
ENGINEERS◦ SURVEYORS◦ PLANNERS
CERTIFICATE OF AUTHORIZATION NO◦EF006540
824 THIRD AVENUE◦ WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS GAR100001

Project Name: Troup County Fire Station **Address:** 3157 Roanoke Rd.
City/County: Troup County **Date on Plans:** 10-10-25
Name & email of person filling out checklist: Scott Harris, PE sharris@harris-gray.com

Plan Page #	Included Y/N		TO BE SHOWN ON ES&PC PLAN
2	Y	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed. **Permit IV.D.1. pg 27**
ALL	Y	2	Level II certification number issued by the Commission, signature and seal of the certified design professional. Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed. The Level II certification must be issued to the Design Professional, after completion of a GSWCC approved course, and whose signature and seal are on the Plan.
	N/A	3	Limits of disturbance shall be less than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include the GAEPD approval letter and completed Appendix 1 of this checklist with at least 4 of the chosen BMPs. * A copy of the written approval by GAEPD must be attached to the Plan for the Plan to be reviewed. **Permit IV.D.3. pg 28**
1	Y	4	The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
1	Y	5	Provide the name, address, email address, and phone number of Primary Permittee.
1	Y	6	Note total and disturbed acreages of the project or phase under construction.
1	Y	7	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
1	Y	8	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
9-10	Y	9	Descriptions of the nature of construction activity and existing site conditions.
1	Y	10	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
9-10	Y	11	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
1	Y	12	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 20** of the permit.
1	Y	13	Design professional's certification statement and signature that the Permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 20** of the permit. *
1	Y	14	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect and certify the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." *
11-13	Y	15	Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
11-13	Y	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
11-13	Y	17	Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
11-13	Y	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
11-13	Y	19	Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
11-13	Y	20	Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
11-13	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
9-10	Y	22	Any construction activity which discharges storm water into a Biota Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as any portion of a Biota Impaired Stream Segment, must comply with **Part III.C.** of the permit. Include the completed Appendix 1 of this checklist with at least 4 of the chosen BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
9-10	Y	23	If a TMDL Implementation Plan for sediment has been finalized for the Biota Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
9-10	Y	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Include statement that washout of the drum at the construction site is prohibited. *
9-10	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
9-10	Y	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
9-10	Y	27	Description of practices to provide cover for building materials and building products on site. *
9-10	Y	28	Description of the practices that will be used to reduce the pollutants in storm water discharges. *
1	Y	29	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, grading, infrastructure, temporary and final stabilization).
9-10	Y	30	Provide complete requirements of Inspections and record keeping by the Primary Permittee. *
9-10	Y	31	Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
9-10	Y	32	Provide complete details for Retention of Records as per **Part IV.F.** of the permit. *
9-10	Y	33	Description of analytical methods to be used to collect and analyze the samples from each location. *
9-10	Y	34	Appendix B rationale for NTU values at all outfall sampling points where applicable. *
11-13	Y	35	Delineate all sampling locations on all phases of the Plan, and perennial and intermittent streams and other water bodies into which storm water is discharged. *
9-10	Y	36	A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial sediment storage requirements and initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase plan. *
11-13	Y	37	Graphic scale and North arrow.
11-13	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
	N/A	39	Use of Alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
	N/A	40	Use of Alternative BMP for application to the Equivalent BMP List. Refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
11-13	Y	41	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State Waters and any additional buffers as required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
11-13	Y	42	Delineation of all State Waters and wetlands located on or within 200 feet of the project site.
Hydro	Y	43	Delineation and acreage of contributing drainage basins on the project site.
Hydro	Y	44	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *
9-10	Y	45	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. For solar farm projects, post-construction impervious area shall be calculated as 70% of total solar panel square footage.
11-13	Y	46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate at all storm water discharge points.
2	Y	47	Soil series for the project site and their delineation.
11-13	Y	48	The limits of disturbance for each phase of construction.
11-13	Y	49	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, Permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
14-15	Y	50	Location of Best Management Practices that are consistent with, and no less stringent than, the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual Chapter 6, with legend.
14-15	Y	51	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
14-15	Y	52	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

Slope	Contour Intervals, ft.
Flat 0 - 2%	0.5 or 1
Rolling 2 - 8%	1 or 2
Steep 8% +	2, 5 or 10

(Map Scale: 1 inch = 100ft or larger scale)

*** If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.**

Effective January 1, 2025

Soil Map—Coweta, Heard, and Troup Counties, Georgia

Natural Resources Conservation Service — Web Soil Survey, National Cooperative Soil Survey — 9/13/2025 Page 1 of 3

RUSLE2 Related Attributes–Coweta, Heard, and Troup Counties, Georgia

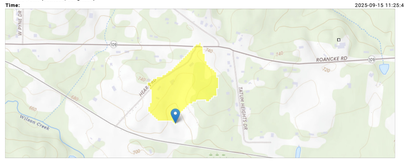
Map symbol and soil name	Pct. of map unit	Slope length (ft)	Hydrologic group	Kf	T factor	Representative value		
						% Sand	% Silt	% Clay
CeB—Cecil sandy loam, 2 to 6 percent slopes								
Cecil	100	121	B	.20	5	67.9	19.6	12.5
CfC2—Cecil sandy clay loam, 6 to 10 percent slopes, eroded								
Cecil	100	98	B	.15	5	55.1	17.4	27.5

Data Source Information

Soil Survey Area: Coweta, Heard, and Troup Counties, Georgia
Survey Area Data: Version 19, Sep 2, 2024

StreamStats Report

Region ID: GA
Workspace ID: GA20250915152523651000
Clicked Point (Latitude, Longitude): 33.03040, -85.11278
Time: 2025-09-15 11:25:47 -0400



Collapse All

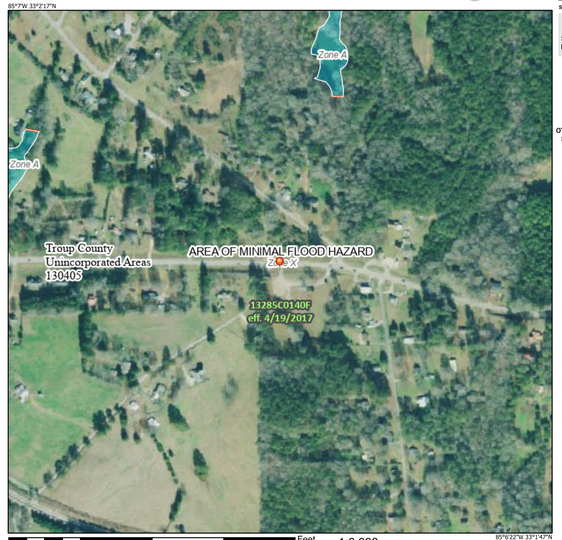
Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
BSLDEM10M	Mean basin slope computed from 10 m DEM	6.511	percent
CSL10_85	Change in elevation divided by length between points 10 and 85 percent of distance along main channel to basin divide - main channel method not known	176	feet per mi
DRNAREA	Area that drains to a point on a stream	0.0349	square miles

National Flood Hazard Layer FIRMette

FEMA

85°7'W 33°2'17"N — 85°6'22"W 33°1'47"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS: Without Base Flood Elevation (BFE) Zone A, V, A99; With BFE or Depth Zone AE, AO, AH, VE, AR; Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD: 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X; Future Conditions 1% Annual Chance Flood Hazard Zone X; Area with Reduced Flood Risk due to Levee. See Notes. Zone X; Area with Flood Risk due to Levee Zone D
- OTHER AREAS: NO SCREEN Area of Minimal Flood Hazard Zone X; Effective LOMRs; Area of Undetermined Flood Hazard Zone D
- GENERAL STRUCTURES: Channel, Culvert, or Storm Sewer; Levee, Dike, or Floodwall
- OTHER FEATURES: 20.2 Cross Sections with 1% Annual Chance; 17.5 Water Surface Elevation; Coastal Transect; Base Flood Elevation Line (BFE); Limit of Study; Jurisdiction Boundary; Coastal Transect Baseline; Profile Baseline; Hydrographic Feature
- MAP PANELS: Digital Data Available; No Digital Data Available; Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/13/2025 at 2:47 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

BY	DATE	REVISIONS

HARRIS GRAY, LLC
ENGINEERS • SURVEYORS • PLANNERS
CERTIFICATE OF AUTHORIZATION NO.: PEF006540
824 THIRD AVENUE • WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

Troup County Fire Station
GSWCC CHECKLIST

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME COVER
JOB NO. GA250193

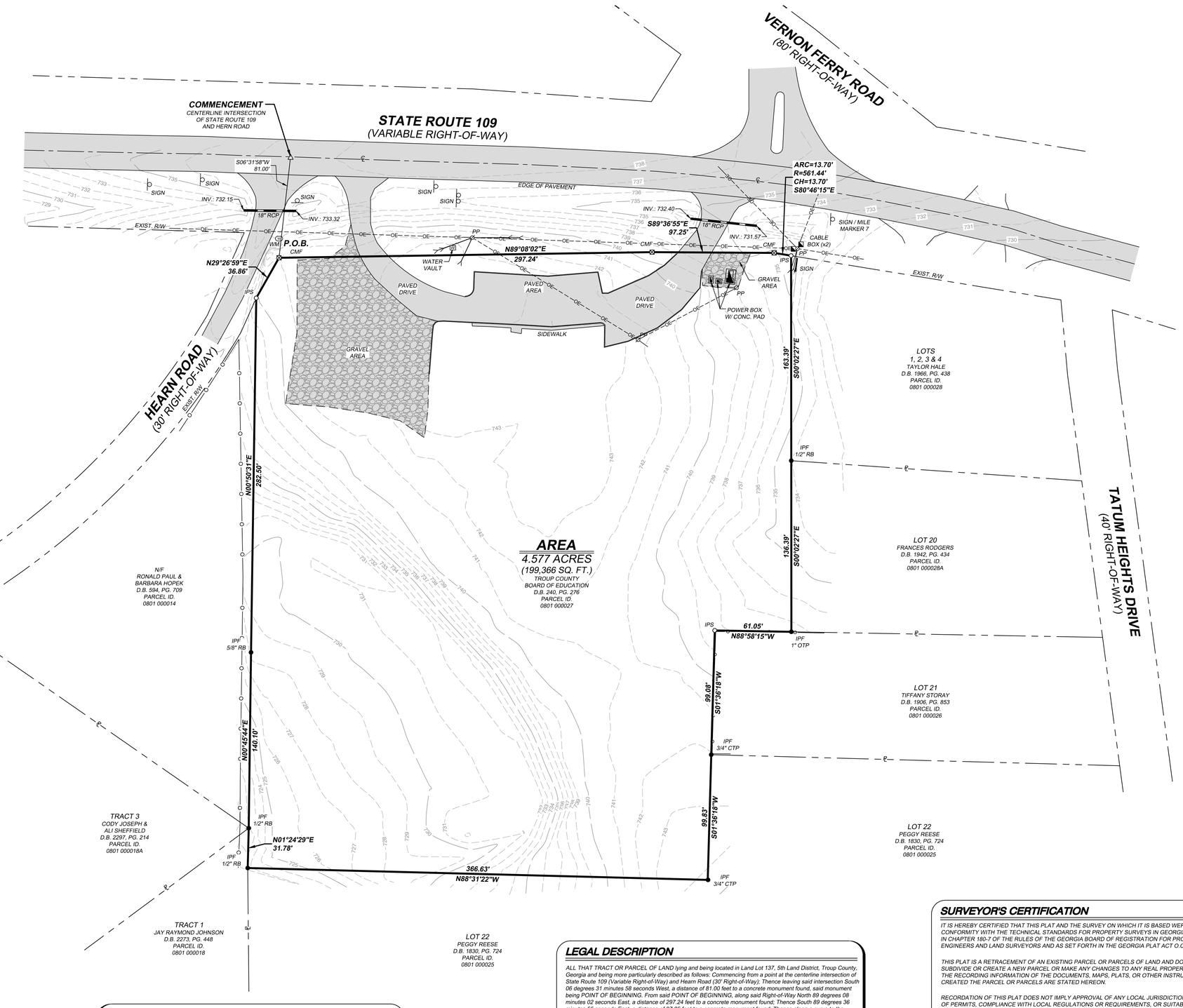
GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE034488
10-10-25
JOHN SCOTT HARRIS

GSWCC LEVEL II # 4456

SHT. 02 OF 21

THIS BLOCK RESERVED FOR THE
CLERK OF THE SUPERIOR COURT

BASIS OF BEARING
GEORGIA STATE PLANE
COORDINATE SYSTEM
GRID NORTH - GA WEST ZONE



LEGEND

○	IRON PIN SET – 1/2" REBAR	D.B.	DEED BOOK
●	IRON PIN FOUND – AS NOTED	PG.	PAGE
IPS	IRON PIN SET	N	NORTH
IPF	IRON PIN FOUND	S	SOUTH
△	CALCULATED POINT	E	EAST
CTP	CRIMP TOP PIPE	W	WEST
OTP	OPEN TOP PIPE	NW	NORTHWEST
RB	REBAR	NE	NORTHEAST
EXIST	EXISTING	SW	SOUTHWEST
P.O.B.	POINT OF BEGINNING	SE	SOUTHEAST
(123.45')	RECORDED DISTANCE	°	DEGREES
R/W	RIGHT OF WAY	'	MINUTES IN A BEARING
℄	PROPERTY LINE	"	SECONDS IN A BEARING
℄	CENTERLINE	'	FEET IN A DISTANCE
—G—	GAS LINE	"	INCHES IN A DISTANCE
—W—	WATER LINE	—OE—	OVERHEAD ELECTRIC LINE
PP	POWER POLE	>—	GUY WIRE
LP	LIGHT POLE	Ø	POWER POLE/UTILITY POLE
WM	WATER METER	☆	LIGHT POLE
⊙	WATER METER	⊛	WATER VALVE
—\/—	LINE NOT TO SCALE		

SURVEY NOTES

1. *THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN > 5,000' (FEET), AND AN ANGULAR ERROR OF < 2" (INCHES) PER ANGLE POINT, AND WAS ADJUSTED USING A COMPASS RULE.*
2. *THIS SURVEY WAS PERFORMED UTILIZING A COMBINATION OF KINEMATICT GPS AND TRADITIONAL TOTAL STATION. THE GPS SURVEY CONSISTED OF DUAL FREQUENCY TOPCON HYPER VR RECIEVERS. INITIAL RTK CORRECTIONS WERE RECEIVED VIA CELLULAR MODEM FROM (EGPS SLUTIONS -GA). TOTAL STATION USED WAS TOPCON GM-50 SERIES. DATA WAS COLLECTED USING TOPCON FC-6000 DATA COLLECTOR. GPS RELATIVE POSITIONAL ACCURACY TO BE < 0.07' AT 95% CONFIDENCE INTERVAL.*
3. *THIS PLAT OF SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF AN ATTORNEY'S TITLE OPINION OR CURRENT TITLE COMMITMENT. THE SURVEYOR'S SEARCH OF PUBLIC RECORDS WAS LIMITED TO MATTERS AFFECTING THE BOUNDARIES OF THE SUBJECT PROPERTY ONLY. THERE MAY BE MATTERS OF RECORD, SUCH AS CONVEYANCES, EASEMENTS, RIGHTS-OF-WAY AND/OR OTHER ENCUMBRANCES THAT AFFECT THE TITLE TO THE SUBJECT PROPERTY. SAID MATTERS IN WHICH MAY EXIST ON PUBLIC RECORD AND ARE NOT KNOWN TO THE SURVEYOR AND NOT DISCLOSED BY THIS SURVEY.*
4. *OWNERSHIP OF ADJOINING / ADJACENT PROPERTIES AS SHOWN ON THIS PLAT WAS TAKEN FROM THE CURRENT TROUP COUNTY, GEORGIA PUBLIC GIS AT THE TIME OF THIS SURVEY. THE SURVEYOR'S SEARCH OF PUBLIC RECORDS IS LIMITED TO THE MATTERS AFFECTING CURRENT OWNERSHIP OF SAID PROPERTIES.*
5. *THIS SURVEY COMPLIES WITH BOTH THE RULES OF GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND THE OFFICIAL CODE OF GEORGIA ANNOTATED (OCGA) 15-6-67, IN THE WHERE A CONFLICT EXISTS BETWEEN THOSE TWO SETS OF SPECIFICATIONS, THE REQUIREMENTS OF LAW PREVAIL.*
6. *ALL DISTANCES AS SHOWN ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET (39.37 INCHES = 1 METER).*
7. *FIELD WORK COMPLETED SEPTEMBER 3, 2025.*
8. *THIS PLAT HAS BEEN CALCULATED FOR AN OVERALL CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 156,260 FEET.*
9. *I HAVE EXAMINED THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR THE TROUP COUNTY, GEORGIA AND INCORPORATED AREAS, COMMUNITY PANEL NUMBER 13285C0140F, EFFECTIVE DATE APRIL 19, 2017 AND FOUND NO PORTIONS OF THE PROPERTY SHOWN HEREON TO FALL WITHIN A DESIGNATED FLOOD ZONE.*
10. *ALL PROPERTY CORNERS REFERENCED AS "IPS" INDICATES A 1/2" REBAR WITH A YELLOW PLASTIC CAP STAMPED "GRAY 25217-2879", UNLESS OTHERWISE NOTED.*

SURVEY REFERENCES

1. *SURVEY FOR GEORGE MARION & SUSAN T. ARP, PREPARD BY J. HUGH CAMP & ASSOCIATES, DATED JANUARY 19, 1984, BEING RECORDED IN PLAT BOOK 25, PAGE 109, TROUP COUNTY, GEORGIA RECORDS.*
2. *SURVEY FOR DAVID AND PEGGY REESE, PREPARED BY STOTHARD ENGINEERING, INC., DATED MARCH 3, 1993, BEING RECORDED IN PLAT BOOK 40, PAGE 26, TROUP COUNTY, GEORGIA RECORDS.*
3. *SURVEY FOR RONALD & BARBARA HOPEK, PREPARED BY STOTHARD ENGINEERING, INC., BEING RECORDED IN PLAT BOOK 34, PAGE 190, TROUP COUNTY, GEORGIA RECORDS.*
4. *SUBDIVISION PLAT FOR TATUM HEIGHTS, DATED MARCH 7, 1946, BEING RECORDED IN PLAT BOOK 2, PAGE 135, TROUP COUNTY, GEORGIA RECORDS.*

LEGAL DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND lying and being located in Land Lot 137, 5th Land District, Troup County, Georgia and being more particularly described as follows: Commencing from a point at the centerline intersection of State Route 109 (Variable Right-of-Way) and Hearn Road (30' Right-of-Way); Thence leaving said intersection South 06 degrees 31 minutes 58 seconds West, a distance of 81.00 feet to a concrete monument found, said monument being POINT OF BEGINNING. From said POINT OF BEGINNING, along said Right-of-Way North 89 degrees 08 minutes 02 seconds East, a distance of 297.24 feet to a concrete monument found; Thence South 89 degrees 36 minutes 55 seconds East, a distance of 97.25 feet to a concrete monument found; Thence along a curve to the right, an arc length of 13.70 feet, having a radius of 561.44 feet, and being subtended by a chord bearing South 80 degrees 46 minutes 15 seconds East, a chord distance of 13.70 feet to an iron pin set (1/2" rebar w/ cap - GRAY); Thence leaving said Right-of-Way South 00 degrees 02 minutes 27 seconds East, a distance of 163.39 feet to an iron pin found (1/2" rebar); Thence South 00 degrees 02 minutes 27 seconds East, a distance of 136.39 feet to an iron pin found (1" open top pipe); Thence North 88 degrees 58 minutes 15 seconds West, a distance of 61.05 feet to an iron pin set (1/2" rebar w/ cap - GRAY); Thence South 01 degrees 36 minutes 18 seconds West, a distance of 99.08 feet to an iron pin found (3/4" crimp top pipe); Thence South 01 degrees 36 minutes 18 seconds West, a distance of 99.83 feet to an iron pin found (3/4" crimp top pipe); Thence North 88 degrees 31 minutes 22 seconds West, a distance of 366.63 feet to an iron pin found (1/2" rebar); Thence North 01 degrees 24 minutes 29 seconds East, a distance of 31.78 feet to an iron pin found (1/2" rebar); Thence North 00 degrees 45 minutes 44 seconds East, a distance of 140.10 feet to an iron pin found (5/8" rebar); Thence North 00 degrees 50 minutes 31 seconds East, a distance of 282.50 feet to an iron pin set (1/2" rebar w/ cap - GRAY) on the Easterly Right-of-Way of Hearn Road; Thence along said Right-of-Way North 29 degrees 26 minutes 59 seconds East, a distance of 36.86 feet to a concrete monument found, said monument being POINT OF BEGINNING. Said tract containing 4.577 acres or 199,366 square feet.

SURVEYOR'S CERTIFICATION

IT IS HEREBY CERTIFIED THAT THIS PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN CONFORMITY WITH THE TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN CHAPTER 180-7 OF THE RULES OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN THE GEORGIA PLAT ACT O.C.G.A. 15-6-67.

THIS PLAT IS A RETRACEMENT OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT SUBDIVIDE OR CREATE A NEW PARCEL OR MAKE ANY CHANGES TO ANY REAL PROPERTY BOUNDARIES. THE RECORDING INFORMATION OF THE DOCUMENTS, MAPS, PLATS, OR OTHER INSTRUMENTS WHICH CREATED THE PARCEL OR PARCELS ARE STATED HEREON.

RECORDATION OF THIS PLAT DOES NOT IMPLY APPROVAL OF ANY LOCAL JURISDICTION, AVAILABILITY OF PERMITS, COMPLIANCE WITH LOCAL REGULATIONS OR REQUIREMENTS, OR SUITABILITY FOR ANY USE OR PURPOSE OF THE LAND. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

B SHAWN GRAY, GEORGIA PLS #2879 — *DATE*
sgray@harris-gray.com
HARRIS GRAY LLC
https://harris-gray.com/
824 THIRD AVE, WEST POINT, GEORGIA 31833
CERTIFICATE OF AUTHORIZATION NO. LSF-001188

BY	REVISIONS	DATE

HARRIS GRAY, LLC
ENGINEERS• SURVEYORS• PLANNERS
CERTIFICATE OF AUTHORIZATION NO. LSF 001188
824 THIRD AVENUE• WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 9885

THIS PLAT IS NOT VALID UNLESS IT BEARS THE ORIGINAL SIGNATURE OF THE REGISTRANT AND ACROSS THE REGISTRANT'S SEAL.

GRAPHIC SCALE
0 20 40 80 120

TOPOGRAPHIC SURVEY FOR
TROUP COUNTY BOARD OF EDUCATION
LAND LOT 137, 5TH LAND DISTRICT
TROUP COUNTY, GEORGIA

DATE	9/9/2025
DRAWN BY	RLW
CHKD BY	BSG
FIELD CREW	KL
FILE NAME	EXIST
JOB NO.	GA250193
DWG. SCALE	1" = 40

REGISTERED LAND SURVEYOR
B. SHAWN GRAY
NO. 2879
STATE OF GEORGIA

SHT. 03 OF .

Z:\LAND PROJECTS 3\MILLER 2025\25-036 HARRIS\GRAY_TROUPCO FIRE STATION\D- DWG\02- DWG SHEETS\EXIST.DWG

DEMOLITION NOTES:

1. ALL ELECTRICAL AND WATER SERVICE IS TO BE SHUT OFF PRIOR TO ANY DEMOLITION.
2. CALL 811 FOR LOCATION SERVICE TO ALL UNDERGROUND UTILITIES.
3. ALL DEMOLISHED MATERIAL, IF NOT RECYCLABLE, SHALL BE HAULED OFF AND DUMPED IN A STATE APPROVED LANDFILL.
4. ALL UTILITY SERVICES, DUMPSTER SERVICES, AND CUSTOMER ACCESS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF DEMOLITION AND CONSTRUCTION PHASES.
5. APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES, AS SHOWN BY THIS SURVEY, ARE BASED UPON FIELD OBSERVATION ONLY BY HARRIS GRAY, LLC. HARRIS GRAY, LLC IS UNABLE TO CERTIFY THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. ALL UNDERGROUND UTILITY LOCATIONS MUST BE FIELD VERIFIED PRIOR TO ANY CONSTRUCTION BY THE UTILITY PROTECTION CENTER AT 811.
6. UNDERGROUND UTILITIES SERVING OR CROSSING THE PREMISES MAY EXIST THAT ARE NOT SHOWN. HARRIS GRAY, LLC MAY NOT HAVE FULL KNOWLEDGE OF ALL UNDERGROUND UTILITIES.
7. ABOVE GROUND UTILITY LOCATION WERE OBTAINED FROM FIELD OBSERVATIONS BY HARRIS GRAY, LLC.
8. ABANDONED UNDERGROUND UTILITY LINES, IF ANY, ARE NOT SHOWN.
9. SEE SHEET ## FOR INITIAL PHASE EROSION CONTROL.

STATE ROUTE 109
aka ROANOKE ROAD
(VARIABLE RIGHT-OF-WAY)

VERNON FERRY ROAD
(80' RIGHT-OF-WAY)

HEARN ROAD
(50' RIGHT-OF-WAY)

TATUM HEIGHTS DRIVE
(40' RIGHT-OF-WAY)

P.O.B.
CMF

AREA
4.577 ACRES
(199,366 SQ. FT.)
TROUP COUNTY
BOARD OF EDUCATION
D.B. 240, PG. 276
PARCEL ID.
0801 000027

LOTS
1, 2, 3 & 4
TAYLOR HALE
D.B. 1966, PG. 438
PARCEL ID.
0801 000028

LOT 20
FRANCES RODGERS
D.B. 1942, PG. 434
PARCEL ID.
0801 000028A

LOT 21
TIFFANY STORAY
D.B. 1906, PG. 853
PARCEL ID.
0801 000026

LOT 22
PEGGY REESE
D.B. 1830, PG. 724
PARCEL ID.
0801 000025

N/F
RONALD PAUL &
BARBARA HOPEK
D.B. 594, PG. 709
PARCEL ID.
0801 000014

TRACT 3
CODY JOSEPH &
ALI SHEFFIELD
D.B. 2297, PG. 214
PARCEL ID.
0801 000018A

EXIST. R/W
EDGE OF PAVEMENT
EXIST. 18" RCP
INV.: 732.45
INV.: 733.32
INV.: 732.40
INV.: 731.57
EXIST. 18" RCP TO BE REMOVED
N29°26'59"E 36.86'
N89°08'02"E 297.24'
S89°36'55"E 97.25'
ARC=13.70'
R=561.44'
CH=13.70'
S80°46'15"E
EXIST. CURB & GUTTER TO BE REMOVED (TYP.)
EXIST. PAVEMENT TO BE REMOVED
EXIST. GRAVEL TO BE REMOVED
EXIST. SIDEWALK TO BE REMOVED
EXIST. CURB & GUTTER TO BE REMOVED (TYP.)
EXIST. POWER POLE & LINES TO BE REMOVED
EXIST. POWER TO BE RECONNECTED
WATER VAULT
GRAVEL AREA
PAVED DRIVE
PAVED AREA
POWER BOX W/ CONC. PAD
CABLE BOX (42)
SIGN / MILE MARKER 7
N00°50'31"E 282.50'
N00°45'44"E 140.10'
N01°24'29"E 31.78'
S00°02'27"E 136.39'
S01°36'18"W 99.06'
S01°36'18"W 99.83'
61.05'
N88°58'15"W
366.63'
N88°31'22"W
30' ZONING BUFFER
IPF 1/2" RB
IPF 5/8" RB
IPS
IPF 1" OTP
IPF 3/4" CTP
CMF
CCMF
OHP
PP
SIGN
WV
WM

GEORGIA811
Utilities Protection Center, Inc.
Know what's below.
Call before you dig.

SCALE IN FEET
1" = 30'

REVISIONS	BY	DATE

HARRIS GRAY, LLC
ENGINEERS · SURVEYORS · PLANNERS
CERTIFICATE OF AUTHORIZATION NO.: PEF006540
824 THIRD AVENUE · WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

Troup County Fire Station

DEMOLITION PLAN

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME DEMO
JOB NO. GA250193

GEORGIA REGISTERED PROFESSIONAL ENGINEER
NO. PE035488
10-10-25
JOHN SCOTT HARRIS
GSWCC LEVEL II # 4456

SHT. 04 OF 21

STATE ROUTE 109
aka ROANOKE ROAD
(VARIABLE RIGHT-OF-WAY)

COMMENCEMENT
CENTERLINE INTERSECTION
OF STATE ROUTE 109
AND HERN ROAD

S06°31'58"W
81.00'

283.1'

VERNON FERRY ROAD
(80' RIGHT-OF-WAY)

EXIST. R/W

HEARN ROAD
(80' RIGHT-OF-WAY)

TATUM HEIGHTS DRIVE
(40' RIGHT-OF-WAY)

P.O.B.
CMF

N29°26'59"E
36.86'

N89°08'02"E
297.24'

S89°36'55"E
97.25'

ARC=13.70'
R=561.44'
CH=13.70'
S80°46'15"E

S00°02'27"E
163.39'

S00°02'27"E
136.39'

N00°50'31"E
282.50'

N00°45'44"E
140.10'

N01°24'29"E
31.78'

61.05'
N88°58'15"W

S01°36'18"W
99.86'

S01°39'18"W
99.83'

366.63'
N88°31'22"W

R-30.0'
R-62.5'
R-87.5'
R-15.0'
R-6.0'
R-45.0'
R-20.0'
R-62.0'
R-25.0'

5" DBL. CENTERLINE (YELLOW)
24" STOP BAR
R1-1 "STOP" 36" SIGN
R5-1 "DO NOT ENTER" 30" SIGN
SIGN
SIGN / MILE MARKER 7
CABLE BOX (x2)
POWER BOX W/ CONC. PAD
HEAVY DUTY CONCRETE
CONCRETE WHEEL STOPS (TYP.)
5' SIDEWALK
6' SIDEWALK
LIGHT DUTY ASPHALT
30' HT. FLAG POLE (SEE ARCH. PLANS)
125' FRONT SETBACK
A.D.A. SPACE & SIGN (SIDEWALK AT GRADE)
ROLL-UP DOORS SEE ARCH. PLANS FOR BOLLARD LOCATIONS.
TROUP CO.
FIRE STATION
7,680 S.F.
(SEE ARCH. PLANS FOR DIMENSIONS)
BID ALTERNATIVE
- THIRD BAY w/ DRIVES
APPROX. MECH. UNITS (SEE ARCH. PLANS)
APPROX. LOCATION OF TRANSFORMER PAD (SEE ARCH. PLANS)
PROPOSED DOUBLE DUMPSTER ENCLOSURE (SEE ARCH. PLANS)
APPROX. MECH. UNITS PROPANE GENERATOR (SEE ARCH. PLANS)
HEAVY DUTY CONCRETE
GATE, TYPE TBD
SCHOOL BUS PARKING
HEAVY DUTY ASPHALT
PROPOSED 6' HT. CHAIN LINK FENCE
5' GRAVEL SHOULDER w/ MATTING
CONCRETE WHEEL STOPS (TYP.)
40' REAR SETBACK
30' ZONING BUFFER
20' SIDE SETBACK
IPS
IPF
IPF 1/2" RB
IPF 5/8" RB
IPF 1" OTP
IPF 3/4" CTP
IPF 1/2" RB
IPF 1/2" RB
IPF 3/4" CTP

LOTS
1, 2, 3 & 4
TAYLOR HALE
D.B. 1966, PG. 438
PARCEL ID.
0801 000028

LOT 20
FRANCES RODGERS
D.B. 1942, PG. 434
PARCEL ID.
0801 000028A

LOT 21
TIFFANY STORAY
D.B. 1906, PG. 853
PARCEL ID.
0801 000026

LOT 22
PEGGY REESE
D.B. 1830, PG. 724
PARCEL ID.
0801 000025

N/F
RONALD PAUL &
BARBARA HOPEK
D.B. 594, PG. 709
PARCEL ID.
0801 000014

TRACT 3
CODY JOSEPH &
ALI SHEFFIELD
D.B. 2297, PG. 214
PARCEL ID.
0801 000018A

30 15 0 30 60 90
SCALE IN FEET
1" = 30'

BY	DATE	REVISIONS

HARRIS GRAY, LLC
ENGINEERS · SURVEYORS · PLANNERS
CERTIFICATE OF AUTHORIZATION NO.: PEF006540
824 THIRD AVENUE · WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

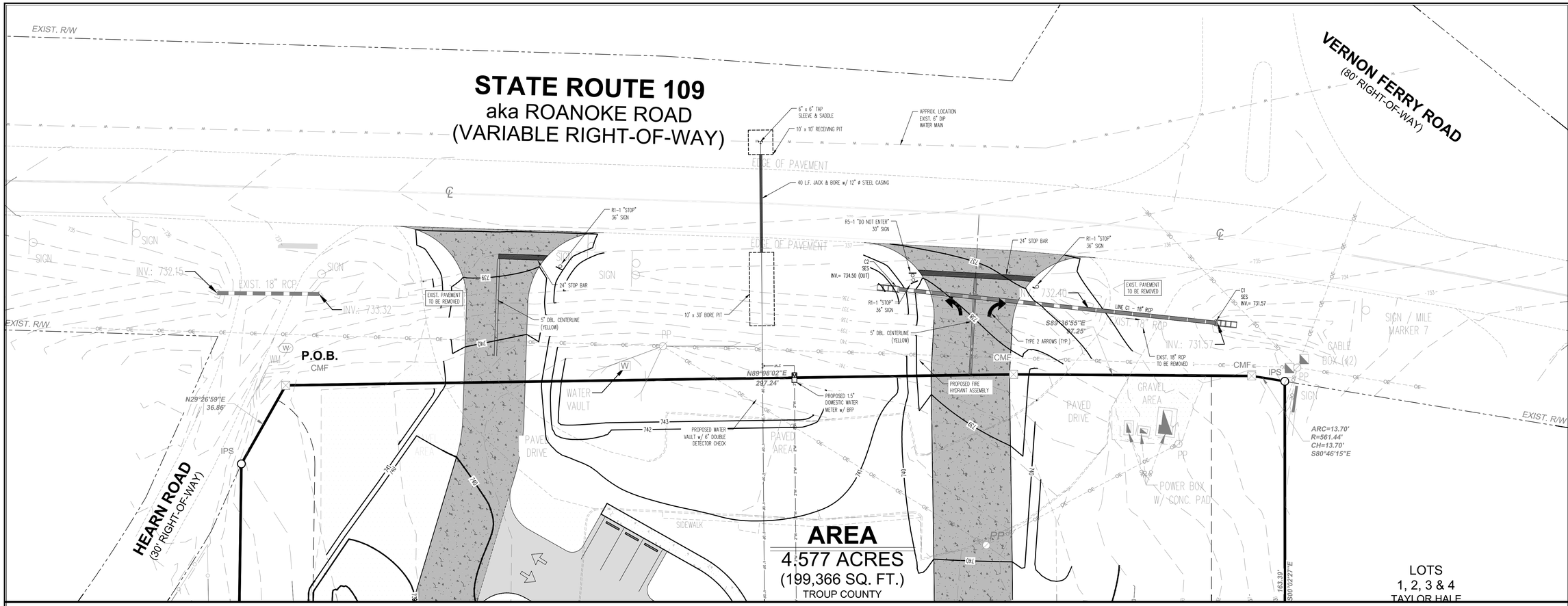
Troup County
Fire Station
SITE PLAN

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME SITE
JOB NO. GA250193

GEORGIA REGISTERED
NO. PLS3488
PROFESSIONAL
10-10-25
ENGINEER
JOHN SCOTT HARRIS

GSWCC LEVEL II # 4456

SHT. 05 OF 21



GEORGIA D.O.T. NOTES:

THE WORK AUTHORIZED MUST BEGIN WITHIN THREE MONTHS AND BE COMPLETED WITHIN TWELVE MONTHS ON A SCHEDULE SATISFACTORY TO THE DEPARTMENT FROM THE PERMIT APPROVAL DATE AND ALSO, BE COMPLETED BEFORE THIS FACILITY IS OPEN TO THE PUBLIC.

THE FOLLOWING WILL NOT BE ALLOWED ON D.O.T. RIGHT OF WAY:

1. DIVERSION OF ADDITIONAL DRAINAGE AREA ONTO THE RIGHT OF WAY OR INCREASE THE C.F.S. OF CURRENT VOLUMES OF WATER.
2. GRADING EXCEPT A DRIVEWAY CONSTRUCTION LOCATION.
3. HEADWALLS
4. SIGNS, DISPLAYS, DEVICES, AND OTHER STRUCTURES WHICH ARE DESIGNED, INTENDED OR USED TO ADVERTISE OR INFORM.
5. LANDSCAPING WITHOUT PRIOR APPROVAL OF LANDSCAPE PLAN.

ALL EXISTING UTILITIES WHICH WOULD BE UNDER NEW PAVEMENT OR IN ACCELERATION AND DECELERATION LANES SHALL BE RELOCATED BEFORE FINAL GRADING OR PAVING AND AT NO COST TO D.O.T., OR AN APPROVED RETENTION LETTER FROM THE UTILITY OWNER.

CONSTRUCTION OF EROSION CONTROL BARRIERS PER GEORGIA DEPARTMENT OF NATURAL RESOURCES CODE 391-3-7 AND SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED.

APPLICANT SHALL RESTORE ALL EXISTING SIGNS AND REGRASS TO DOT SPECIFICATIONS ALL RIGHT OF WAY THAT IS DISTURBED DURING WORK AUTHORIZED HEREIN.

THE PERMIT APPLICANT IS RESPONSIBLE FOR REPLACEMENT OF ALL EXISTING PAVEMENT MARKINGS DAMAGED BY THE PERMIT CONSTRUCTION AND ADDITION OF NEW PAVEMENT MARKINGS AND/OR SIGNS AS SHOWN ON THE APPROVED PLAN, CURRENT M.U.T.C.D. GUIDELINES.

ALL CURBED ISLANDS SHALL BE FILLED TO THE TOP OF CURB WITH TOP SOIL AND GRASSED, NOTE: THIS APPROVAL DOES NOT ALLOW ANY WORK ON STATE RIGHT-OF-WAY IN CONNECTION WITH UTILITY LINES (SANITARY SEWER, WATER, TELEPHONE, GAS, ETC.)

REQUIRED PAVEMENT SPECIFICATIONS:

1-1/4"	[9.5 MM] SUPERPAVE
2"	[19 MM] SUPERPAVE
8"	[25 MM] SUPERPAVE
12"	GRADED AGGREGATE BASE

NOTICE:
THIS PERMIT IS APPROVED SUBJECT TO THE REVISIONS AND COMMENTS SHOWN IN RED ON THE ATTACHED PLAN COPY AND SHALL REMAIN DEPENDANT UPON COMPLIANCE WITH THESE.

NO WORK WILL BE ACCOMPLISHED UNDER THIS PERMIT WITHIN THE CONSTRUCTION LIMITS OF ANY DOT PROJECT WITHOUT WRITTEN APPROVAL OF THE PRIME CONTRACTOR.

THE MAINTENANCE OF THE DRIVEWAY FROM THE NORMAL EDGE OF PAVEMENT IS THE RESPONSIBILITY OF THE PERMITEE.

OVERLAY SHALL BE AS DIRECTED BY GDOT PERMIT INSPECTOR.

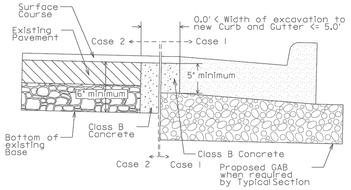
ALL SIDEWALKS, CROSSWALKS AND RAMPS SHALL MEET ADA STANDARDS GDOT DETAILS.

THE APPLICANT IS RESPONSIBLE TO OBTAIN ALL NECESSARY ENVIRONMENTAL APPROVALS PRIOR TO ANY WORK ON STATE R/W.

ALL WORK PERFORMED WITHIN GDOT R/W SHALL CONFORM TO GDOT STANDARDS AND DETAILS.

ANY UTILITIES REQUIRING RELOCATION WITHIN GDOT R/W SHALL MEET GDOT CLEAR ZONE AND RELOCATED IN ACCORDANCE WITH THE GDOT UTILITY MANUAL.

TOTAL ROAD FRONTAGE:
310.94 FEET



NO SCALE

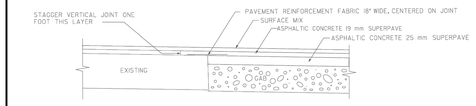
CLASS "B" CONCRETE BASE FOR PAVEMENT WIDENING
Item Code 500-9999 - CY Unit of Measure

CASE 1:
WHERE GAB IS REQUIRED UNDER THE NEW CURB AND GUTTER AND THE DEPTH OF PROPOSED PAVING BETWEEN THE TOP OF THE GAB AND THE BOTTOM OF THE SURFACE COURSE IS 5 INCHES OR GREATER, CLASS B CONCRETE SHALL BE PLACED IN LIEU OF THE PAVING BETWEEN THE GAB AND SURFACE COURSES SPECIFIED BY THE TYPICAL SECTION.

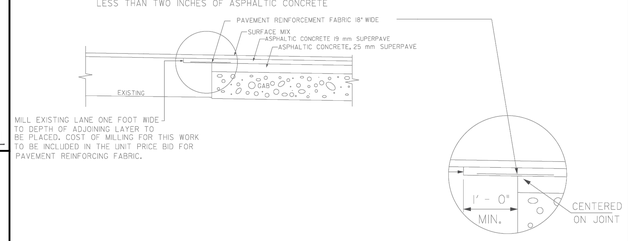
CASE 2:
WHERE GAB IS NOT REQUIRED UNDER THE NEW CURB AND GUTTER AND/OR THE DEPTH OF PROPOSED PAVING BETWEEN THE TOP OF THE BASE AND THE BOTTOM OF THE SURFACE COURSE IS LESS THAN 5 INCHES, CLASS B CONCRETE SHALL BE PLACED BENEATH THE PROPOSED SURFACE COURSE TO THE DEPTH OF EITHER THE BOTTOM OF THE EXISTING BASE COURSE, THE BOTTOM OF THE BASE SPECIFIED BY THE TYPICAL SECTION, OR TO A DEPTH OF 6 INCHES: WHICHEVER IS GREATER.

CLASS "B" CONCRETE BASE FOR WIDENING DETAIL

TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH TWO INCHES OR MORE OF ASPHALTIC CONCRETE



TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH LESS THAN TWO INCHES OF ASPHALTIC CONCRETE



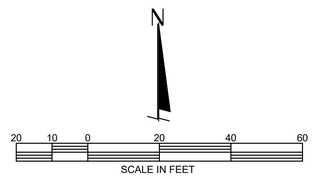
PAVEMENT REINFORCEMENT FABRIC DETAIL

APPLICANT:
Troup Co. Board of Commissioners
100 Ridley Ave.
LaGrange, GA 30240
706-645-5885

SIGHT DISTANCE CERTIFICATION

I, THE UNDERSIGNED, HEREBY CERTIFY THE SIGHT DISTANCE FOR THE PROJECT IS DESIGNED WITH ADEQUATE DISTANCE. THE REGULATED SPEED LIMIT ON THE APPROACHING THOROUGHFARE IS 55 MPH. THE DESIGNED SIGHT DISTANCE PROVIDES VISIBILITY OF 610 FEET TO THE LEFT, AND 610 FEET TO THE RIGHT. THE SIGHT DISTANCE SHALL BE MEASURED FROM A POINT OF 15 FEET FROM TRAVEL LANE AT AN EYE LEVEL OF 3.5 FEET AND LOOKING AT AN OBJECT 3.5 FEET ABOVE THE CENTERLINE.

SIGNED 10-10-25 DATE



BY	DATE	REVISIONS

HARRIS GRAY, LLC
ENGINEERS - SURVEYORS - PLANNERS
CERTIFICATE OF AUTHORIZATION NO.: PEF006540
824 THIRD AVENUE - WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

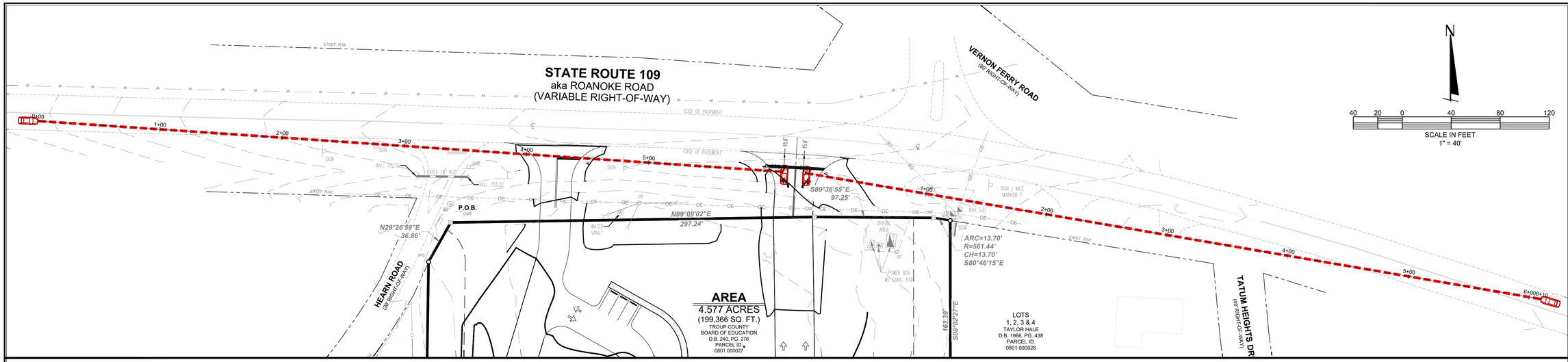
GDOT ENTRANCE PLAN

Troup County Fire Station

DATE	10/7/25
DRAWN BY	JAM
CHKD BY	JSH
FILE NAME	GDOT
JOB NO.	GA250193

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE034488
10-10-25
JOHN SCOTT HARRIS
GSWCC LEVEL II # 4456

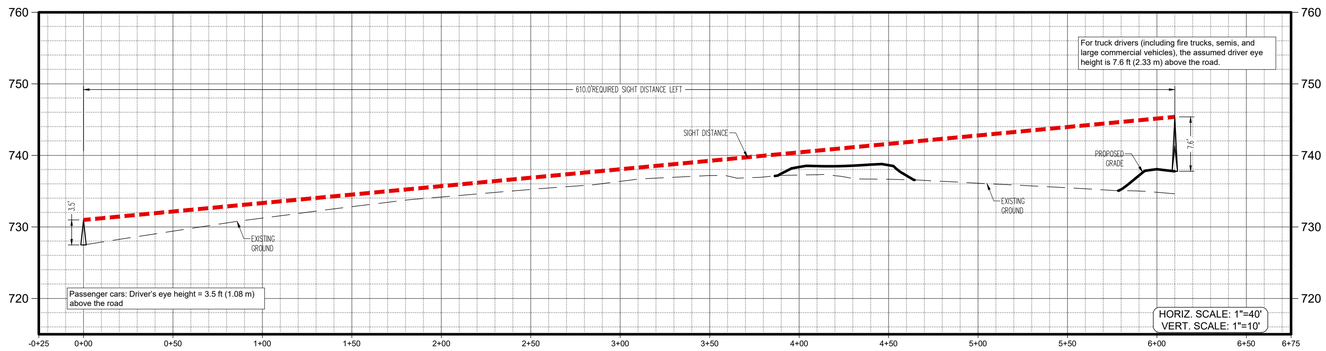
SHT. 06 OF 21



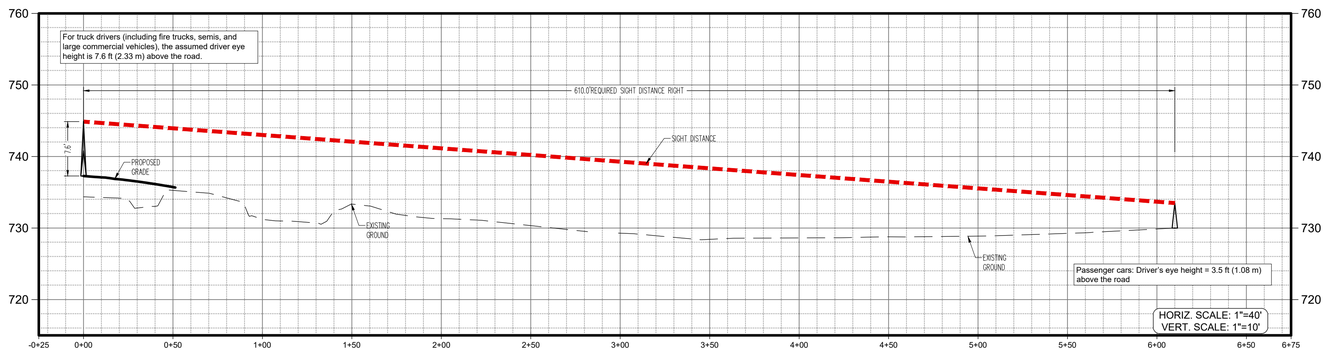
BY	REVISIONS	DATE

HARRIS GRAY, LLC
ENGINEERS • SURVEYORS • PLANNERS
CERTIFICATE OF AUTHORIZATION NO.: PEF006540
824 THIRD AVENUE • WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

APPLICANT:
Troup Co. Board of Commissioners
100 Ridley Ave.
LaGrange, GA 30240
706-645-5885



SDL - ENTRANCE



SDR - ENTRANCE

SIGHT DISTANCE CERTIFICATION

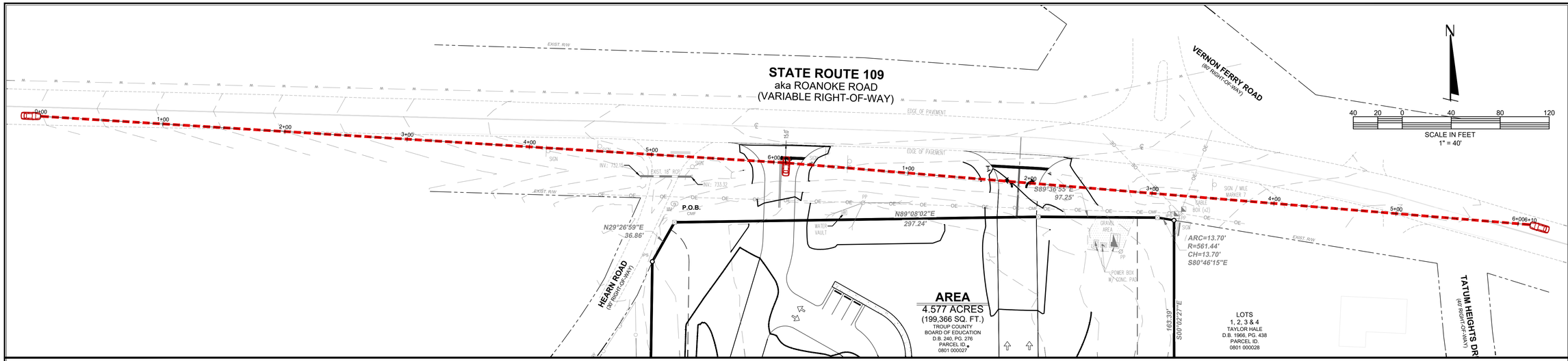
I, THE UNDERSIGNED, HEREBY CERTIFY THE SIGHT DISTANCE FOR THE PROJECT IS DESIGNED WITH ADEQUATE DISTANCE. THE REGULATED SPEED LIMIT ON THE APPROACHING THOROUGHFARE IS 55 MPH. THE DESIGNED SIGHT DISTANCE PROVIDES VISIBILITY OF 610 FEET TO THE LEFT, AND 610 FEET TO THE RIGHT. THE SIGHT DISTANCE SHALL BE MEASURED FROM A POINT OF 15 FEET FROM TRAVEL LANE AT AN EYE LEVEL OF 3.5 FEET AND LOOKING AT AN OBJECT 3.5 FEET ABOVE THE CENTERLINE.

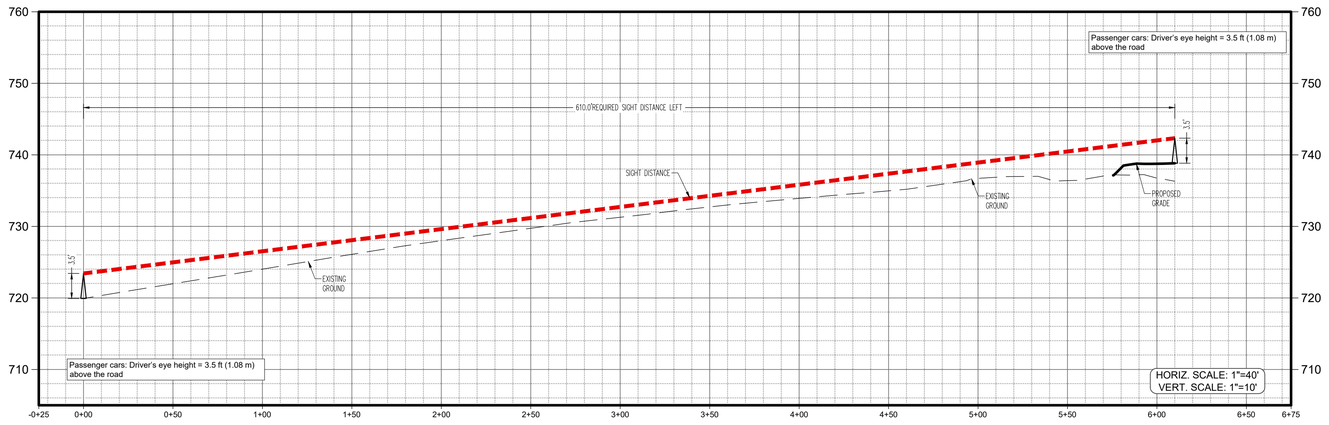
SIGNED 10-10-25 DATE

Troup County Fire Station
GDOT SIGHT DISTANCE PROFILE (ENTRANCE)

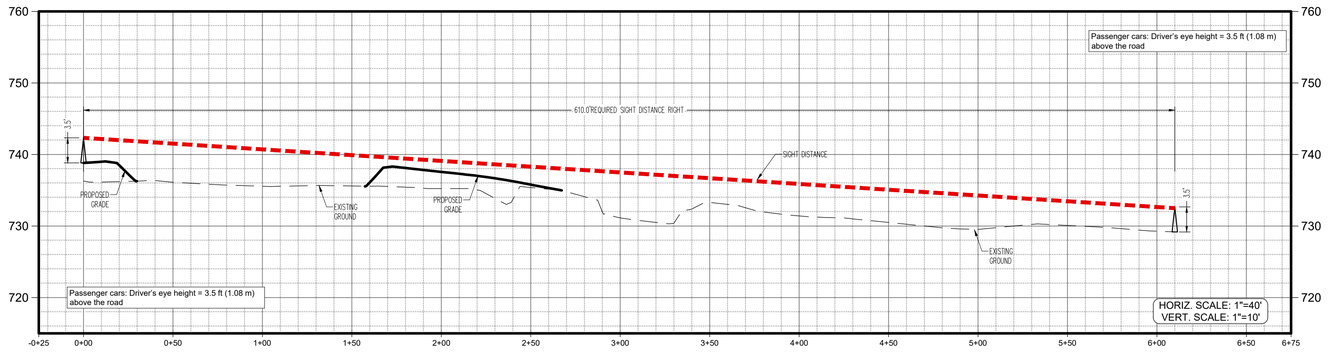
DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME GDOT SIGHTDISTANCE
JOB NO. GA250193

GEORGIA REGISTERED NO. PE035488 PROFESSIONAL 10-10-25 ENGINEER JOHN SCOTT HARRIS
GSWCC LEVEL II # 4456





SDL - ENTRANCE



SDR - ENTRANCE

APPLICANT:
Troup Co. Board of Commissioners
100 Ridley Ave.
LaGrange, GA 30240
706-645-5885

SIGHT DISTANCE CERTIFICATION

I, THE UNDERSIGNED, HEREBY CERTIFY THE SIGHT DISTANCE FOR THE PROJECT IS DESIGNED WITH ADEQUATE DISTANCE. THE REGULATED SPEED LIMIT ON THE APPROACHING THOROUGHFARE IS 55 MPH. THE DESIGNED SIGHT DISTANCE PROVIDES VISIBILITY OF 610 FEET TO THE LEFT, AND 610 FEET TO THE RIGHT. THE SIGHT DISTANCE SHALL BE MEASURED FROM A POINT OF 15 FEET FROM TRAVEL LANE AT AN EYE LEVEL OF 3.5 FEET AND LOOKING AT AN OBJECT 3.5 FEET ABOVE THE CENTERLINE.

SIGNED 10-10-25 DATE

BY | REVISIONS | DATE

HARRIS GRAY, LLC
ENGINEERS • SURVEYORS • PLANNERS
CERTIFICATE OF AUTHORIZATION NO. PEF006540
824 THIRD AVENUE • WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

GDOT SIGHT DISTANCE PROFILE (HEARN RD.)

Troup County
Fire Station

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME GDOT SIGHTDISTANCES
JOB NO. GA250193

GEORGIA REGISTERED
NO. PE035488
PROFESSIONAL
10-10-25
ENGINEER
JOHN SCOTT HARRIS

GSWCC LEVEL II # 4456

SHT. 06B OF 21

EXIST. R/W

STATE ROUTE 109
aka ROANOKE ROAD
(VARIABLE RIGHT-OF-WAY)

EDGE OF PAVEMENT

VERNON FERRY ROAD
(80' RIGHT-OF-WAY)

INV.: 732.15 — EXIST. 18" RCP — INV.: 733.32

P.O.B.
CMF

N29°26'59"E
36.86'

N89°48'02"E
297.24'

S89°36'55"E
97.25'

LINE C1 - 18" RCP

C2
SES
INV.= 734.50 (OUT)

C1
SES
INV.= 731.57

WATER VAULT

GRAVEL AREA

POWER BOX W/ CONC. PAD

CABLE BOX (x2)

SIGN / MILE MARKER 7

ARC=13.70'
R=561.44'
CH=13.70'
S80°46'15"E

HEARN ROAD
(50' RIGHT-OF-WAY)

TATUM HEIGHTS DRIVE
(40' RIGHT-OF-WAY)

AREA
4.577 ACRES
(199,366 SQ. FT.)

TROUP COUNTY
BOARD OF EDUCATION
D.B. 240, PG. 276
PARCEL ID.
0801 000027

LOTS
1, 2, 3 & 4
TAYLOR HALE
D.B. 1966, PG. 438
PARCEL ID.
0801 000028

S00°02'27"E
63.39'

BID ALTERNATIVE
- THIRD BAY w/ DRIVES

IPF
1/2" RB

TROUP CO.
FIRE STATION
7,680 S.F.
(SEE ARCH. PLANS FOR DIMENSIONS)

B2
PED. TOP INLET
TOP= 736.86
INV.= 731.00 (OUT)

N/F
RONALD PAUL &
BARBARA HOPEK
D.B. 594, PG. 709
PARCEL ID.
0801 000014

30' ZONING BUFFER

LINE B1 - 18" HDPE

IPF
5/8" RB

REPLANT BUFFER PER BUFFER REQUIREMENTS (IN AREAS OF BUFFER DISTURBANCE)

N00°50'31"E
282.50'

N00°45'44"E
140.10'

A2
OCS
TOP= 732.00
INV.= 725.00 (OUT)

B1
HEADWALL
INV.= 727.50

A1
HEADWALL
INV.= 724.50

N01°24'29"E
31.78'

366.63'
N88°31'22"W

IPF
1/2" RB

IPF
3/4" CTP

S00°02'27"E
136.39'

LOT 20
FRANCES RODGERS
D.B. 1942, PG. 434
PARCEL ID.
0801 000028A

IPS
61.05'
N88°58'15"W

IPF
1" OTP

S01°36'15"W
99.08'

LOT 21
TIFFANY STORAY
D.B. 1906, PG. 853
PARCEL ID.
0801 000026

IPF
3/4" CTP

S01°36'15"W
99.83'

LOT 22
PEGGY REESE
D.B. 1830, PG. 724
PARCEL ID.
0801 000025

TRACT 3
CODY JOSEPH &
ALI SHEFFIELD
D.B. 2297, PG. 214
PARCEL ID.
0801 000018A

SCALE IN FEET
1" = 30'

GEORGIA811
Utilities Protection Center, Inc.
Know what's **below.**
Call before you dig.

DATE	REVISIONS	BY

HARRIS GRAY, LLC
ENGINEERS - SURVEYORS - PLANNERS
CERTIFICATE OF AUTHORIZATION NO.: PEF006540
824 THIRD AVENUE - WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

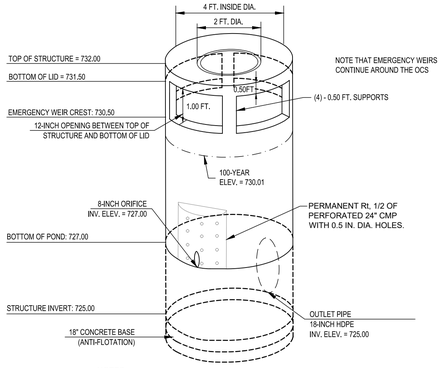
Troup County Fire Station
GRADING & DRAINAGE PLAN

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME GRADE
JOB NO. GA250193

GEORGIA REGISTERED
NO. PEG005488
PROFESSIONAL
10-10-25
ENGINEER
JOHN SCOTT HARRIS

GSWCC LEVEL II # 4456

SHT. 07 OF 21

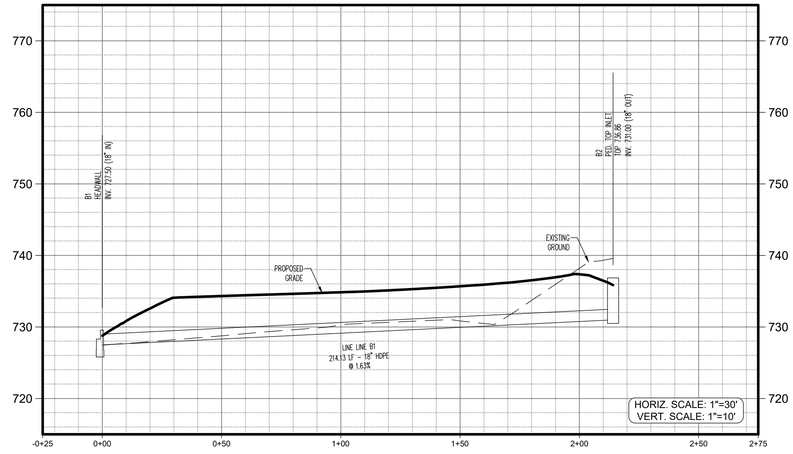


NOTES:

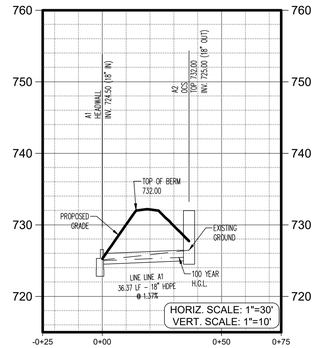
1. A PERMANENT TRASH RACK MUST BE INSTALLED OVER ALL ORIFICES.
2. DRAIN ORIFICE TO REMAIN PLUGGED DURING NORMAL OPERATING CONDITIONS. THE PLUG SHOULD ONLY BE REMOVED TO DRAIN THE POND FOR MAINTENANCE.
3. THE OUTFALL PIPE FROM THE OCS SHALL HAVE CONCRETE ANCHOR COLLARS. SEE STORM PLAN & PROFILE FOR COLLAR PLACEMENT.

OUTLET CONTROL STRUCTURE DETAIL

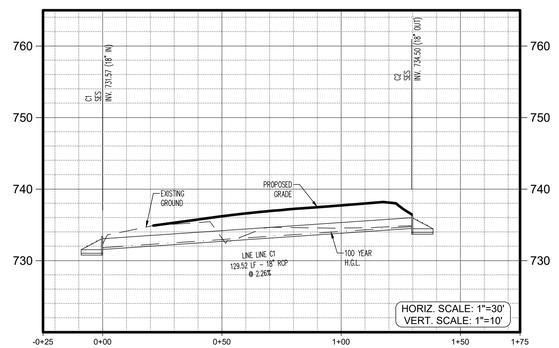
NOT TO SCALE



STORM LINE B



STORM LINE A



STORM LINE C

Basin ID	Storm Event	Pre-Developed (cfs)			Post-Developed (cfs)				Difference (+) Reduction	Ponding Elev. (ft)
		On-Site	Off-Site	Total	On-Site Bypass	On-Site Routed	Off-Site	Total		
1	***2***	5.522	0.000	5.522	1.080	2.317	0.000	3.397	2.125	729.23
	5	4.862	0.000	4.862	1.221	2.411	0.000	3.632	1.230	729.39
	10	5.522	0.000	5.522	1.330	2.482	0.000	3.812	1.710	729.51
	25	6.241	0.000	6.241	1.497	2.587	0.000	4.084	2.157	729.70
	50	6.798	0.000	6.798	1.637	2.672	0.000	4.309	2.489	729.86
	100	7.654	0.000	7.654	1.769	2.748	0.000	4.517	3.137	730.01
2	***2***	0.476	0.000	0.476	0.235	0.000	0.000	0.235	0.241	N/A
	5	0.538	0.000	0.538	0.265	0.000	0.000	0.265	0.273	N/A
	10	0.586	0.000	0.586	0.289	0.000	0.000	0.289	0.297	N/A
	25	0.660	0.000	0.660	0.325	0.000	0.000	0.325	0.335	N/A
	50	0.722	0.000	0.722	0.356	0.000	0.000	0.356	0.366	N/A
	100	0.780	0.000	0.780	0.384	0.000	0.000	0.384	0.396	N/A
3	***2***	1.963	0.000	1.963	2.312	0.000	0.000	2.312	-0.349	N/A
	5	2.218	0.000	2.218	2.613	0.000	0.000	2.613	-0.395	N/A
	10	2.416	0.000	2.416	2.846	0.000	0.000	2.846	-0.430	N/A
	25	2.721	0.000	2.721	3.204	0.000	0.000	3.204	-0.483	N/A
	50	2.975	0.000	2.975	3.504	0.000	0.000	3.504	-0.529	N/A
	100	3.215	0.000	3.215	3.786	0.000	0.000	3.786	-0.571	N/A
4	***2***	1.937	0.000	1.937	0.987	0.000	0.000	0.987	0.950	N/A
	5	2.189	0.000	2.189	1.116	0.000	0.000	1.116	1.073	N/A
	10	2.384	0.000	2.384	1.215	0.000	0.000	1.215	1.169	N/A
	25	2.684	0.000	2.684	1.368	0.000	0.000	1.368	1.316	N/A
	50	2.935	0.000	2.935	1.496	0.000	0.000	1.496	1.439	N/A
	100	3.172	0.000	3.172	1.616	0.000	0.000	1.616	1.556	N/A

BY	DATE	REVISIONS
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.

HARRIS GRAY, LLC
ENGINEERS • SURVEYORS • PLANNERS
CERTIFICATE OF AUTHORIZATION NO.: PEF006540
824 THIRD AVENUE • WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

Troup County
Fire Station
STORM PROFILES & OCS DETAIL

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME GRADE
JOB NO. GA250193

GEORGIA REGISTERED No. PE035488 PROFESSIONAL 10-10-25 ENGINEER JOHN SCOTT HARRIS

GSWCC LEVEL II # 4456

SHT. 07A OF 21

COMMENCEMENT
CENTERLINE INTERSECTION
OF STATE ROUTE 109
AND HERN ROAD

STATE ROUTE 109
aka ROANOKE ROAD
(VARIABLE RIGHT-OF-WAY)

VERNON FERRY ROAD
(80' RIGHT-OF-WAY)

HEARN ROAD
(50' RIGHT-OF-WAY)

TATUM HEIGHTS DRIVE
(40' RIGHT-OF-WAY)

EXIST. R/W

S06°31'58"W
81.00'

EXIST. 18" RCP
INV.: 732.45
INV.: 733.32

P.O.B.
CMF

N29°26'59"E
36.86'

N89°48'02"E
297.24'

S89°38'55"E
97.25'

ARC=13.70'
R=561.44'
CH=13.70'
S80°46'15"E

6" x 6" TAP
SLEEVE & SADDLE

10' x 10' RECEIVING PIT

APPROX. LOCATION
EXIST. 6" DIP
WATER MAIN

EDGE OF PAVEMENT

40 L.F. JACK & BORE w/ 12" # STEEL CASING

10' x 30' BORE PIT

PROPOSED 1.5"
DOMESTIC WATER
METER w/ BFP

PROP. 6" FIRE LINE

PROP 2" SERVICE

WATER
VAULT

GRAVEL
AREA

POWER BOX
W/ CONC. PAD

EXIST. POWER TO
BE RECONNECTED

CABLE
BOX (2)

SIGN / MILE
MARKER 7

AREA
4.577 ACRES
(199,366 SQ. FT.)

TROUP COUNTY
BOARD OF EDUCATION
D.B. 240, PG. 276
PARCEL ID.
0801 000027

LOTS
1, 2, 3 & 4
TAYLOR HALE
D.B. 1966, PG. 438
PARCEL ID.
0801 000028

PROPOSED 1500gal
SEPTIC TANK

PROPOSED 4"
SEPTIC LATERAL

PROPOSED 200 L.F.
SEPTIC LINES w/
200 L.F. RESERVE

BID ALTERNATIVE
- THIRD BAY w/ DRIVES

FFE: 741.00

HOSE BIBB

TROUP CO.
FIRE STATION
7,680 S.F.
(SEE ARCH. PLANS FOR DIMENSIONS)

APPROX. MECH. UNITS
(SEE ARCH. PLANS)

45° BEND w/ THRUST BLOCK

PROPOSED FIRE
HYDRANT ASSEMBLY

PROPOSED DOUBLE
DUMPSTER ENCLOSURE
(SEE ARCH. PLANS)

APPROX. LOCATION OF
TRANSFORMER PAD
(SEE ARCH. PLANS)

30' ZONING BUFFER

S00°02'27"E
136.39'

S00°02'27"E
63.39'

61.05'
N88°58'15"W

S01°36'16"W
89.08'

S01°36'16"W
99.83'

N00°50'31"E
282.50'

N00°48'44"E
140.10'

N01°24'29"E
31.78'

366.63'
N88°31'22"W

IPS
IPF
IPR
CMF
CCMF
1/2" RB
5/8" RB
1" OTP
3/4" CTP

N/F
RONALD PAUL &
BARBARA HOPEK
D.B. 594, PG. 709
PARCEL ID.
0801 000014

LOT 20
FRANCES RODGERS
D.B. 1942, PG. 434
PARCEL ID.
0801 000028A

LOT 21
TIFFANY STORAY
D.B. 1906, PG. 853
PARCEL ID.
0801 000026

LOT 22
PEGGY REESE
D.B. 1830, PG. 724
PARCEL ID.
0801 000025

TRACT 3
CODY JOSEPH &
ALI SHEFFIELD
D.B. 2297, PG. 214
PARCEL ID.
0801 000018A

30 15 0 30 60 90
SCALE IN FEET
1" = 30'

BY	DATE	REVISIONS

HARRIS GRAY, LLC
ENGINEERS - SURVEYORS - PLANNERS
CERTIFICATE OF AUTHORIZATION NO.: PEF006540
824 THIRD AVENUE - WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

Troup County Fire Station
UTILITY PLAN

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME UTIL
JOB NO. GA250193

GEORGIA REGISTERED
NO. PEF006488
PROFESSIONAL
10-10-25
ENGINEER
JOHN SCOTT HARRIS
GSWCC LEVEL II # 4456

SHT. 08 OF 21

THE NOTES AND REQUIREMENTS STATED ON THESE PLANS REFERENCE THE "STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES ENVIRONMENTAL PROTECTION DIVISION GENERAL PERMIT NO. GAR 100001" EFFECTIVE AUGUST 1, 2018. THIS PLAN DOES NOT CONTAIN ALL OF THE REQUIREMENTS CONTAINED WITHIN THE PERMIT. THE OWNER SHALL CONSULT THE PERMIT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SITE DESCRIPTION

1. THE EXISTING WAS AN EXISTING CAR WASH WITH FEW TREES.
2. DESCRIPTION AND NATURE OF THE CONSTRUCTION ACTIVITY:
   THE PROPOSED PROJECT IS DEMOLISH THE EXISTING STORAGE BUILDINGS AND THEN TO CONSTRUCT 3 NEW T-SHED BUILDINGS.
3. THE PROPOSED BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE ACTIVITY SCHEDULE SHOWN AND THE SEQUENCES OF THE PHASED EROSION, SEDIMENT AND POLLUTION CONTROL PLANS PROVIDED.
4. TOTAL SITE AREA: 4.577 AC
   DISTURBED AREA: 3.9 AC
5. THE INITIAL RECEIVING WATERS FOR THE SITE IS AN UN-NAMED TRIBUTARY OF WILSON CREEK.
6. APPLICABLE PORTIONS OF THE ES&PC PLAN ARE TO BE PROVIDED TO EACH SECONDARY PERMITTEE PRIOR TO THE SECONDARY PERMITTEE CONDUCTING ANY CONSTRUCTION ACTIVITY. EACH SECONDARY PERMITTEE SHALL SIGN THE PLAN OR PORTION OF THE PLAN APPLICABLE TO THE SITE.
7. PRIMARY PERMITTEE:
   Troup Co. Board of Commissioners
   100 Ridley Ave.
   LaGrange, GA 30240
   James Anderson 706-298-3792
   24-HOUR CONTACT:
   JAMES ANDERSON 706-298-3792
   JANDERSON@TROUPCO.ORG

KNOWN SECONDARY PERMITTEES ARE AS FOLLOWS (FOR COMMON DEVELOPMENT ONLY):

NAME ADDRESS

_____

_____

_____

(THIS PLAN SHALL BE UPDATED AS APPROPRIATE AS SECONDARY PERMITTEES ARE DETERMINED. IT IS THE RESPONSIBILITY OF THE OWNER TO NOTIFY THE DESIGN PROFESSIONAL AS SECONDARY PERMITTEES ARE DETEMINED.)

NPDES NOTES:

1. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO REQUEST SITE INSPECTION OF EROSION CONTROL PRACTICES BY THE ENGINEER WITHIN (7) SEVEN DAYS AFTER INSTALLATION.
2. ANY ON-SITE CHEMICALS OR PETROLEUM PRODUCTS ARE TO BE STORED IN AN ENVIRONMENTALLY SAFE CONTAINER TO AVOID LEAKS OR SPILLS THAT COULD LEAD TO CONTAMINATION OF CREEKS OR STREAMS.
3. CONCRETE TRUCKS ARE TO BE PROVIDED WITH A SEPARATE WASHOUT AREA TO AVOID DRAINAGE INTO THE STORM SYSTEM.
4. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO COMPLY WITH ALL CONDITIONS WITHIN THE NPDES PERMIT GAR 100001
5. DEVELOPER MUST SUBMIT NOI TO EPD AND ESTABLISH SAMPLING OF STORMWATER OUTFALL POINTS IN ACCORDANCE WITH GAR 100001.
6. SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATER OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT, (NPDES IV.D.2.c.(1))
7. WASTE WATER DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEMS MUST BE IN COMPLIANCE WITH APPLICABLE STATE AND LOCAL REGULATIONS, (NPDES IV.D.2.c.(3))

WASTE MATERIALS:

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

NTU LIMIT VALUE SELECTION RATIONALE

SITE AREA:	4.577 AC
SURFACE WATER DRAINAGE AREA:	.03 SQ MI
RECEIVING WATER TYPE:	WARM WATER
NTU LIMIT VALUE SELECTED FROM APPENDIX B:	75
METHOD SELECTED:	OUTFALL

SAMPLING NOTE:

TURBIDITY OF THE OUTFALL AT THE MONITORING STATION SHALL NOT EXCEED 75 NTU. THE RECEIVING WATERS IS A WARM WATER STREAM.

Warm Water (Supporting Warm Water Fisheries)

Surface Water Drainage Area, square miles

Site Size, acres	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	(75)	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01 +	50	50	50	50	50	100	200	100

POLLUTION CONTROL NOTES:

A. CUT AND FILL
   1. OPERATIONS SHALL BE KEPT TO A MINIMUM; PHASE IF POSSIBLE.
   2. SHALL NOT ENDANGER ADJOINING PROPERTIES.
   3. FILL SHALL NOT ENCROACH UPON NATURAL WATERCOURSES. CHANNELS SHALL NOT BE CONSTRUCTED IN A MANNER SO AS TO ADVERSELY AFFECT OTHER PROPERTY OWNERS.
   4. MINIMIZING DAMAGE FROM SURFACE WATER TO THE CUT FACE OF EXCAVATIONS OR THE SLOPING SURFACES OF FILL.
B. STATE WATER BANKS
   1. ACTIVITIES SHALL NOT BE CONDUCTED WITHIN TWENTY-FIVE (25) FEET OF THE BANKS OF ANY STATE WATERS, AS MEASURED FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, EXCEPT WHEN APPROVED BY THE DIRECTOR FOR ALTERNATE BUFFER REQUIREMENTS.
   2. ACTIVITIES SHALL NOT BE CONDUCTED WITHIN FIFTY (50) HORIZONTAL FEET, AS MEASURED FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION FLOW, OF THE BANKS OF ANY STATE WATERS CLASSIFIED AS "TROUT STREAMS", UNLESS APPROVED BY THE DIRECTOR FOR ALTERNATE BUFFER REQUIREMENTS.
C. STABILIZATION PRACTICES
   1. VEHICLE AREAS - FILL IN RILL ERODED AREAS WHEN FOUND. MAINTAIN CONSTRUCTION EXITS AND CONSTRUCTION ROADS.
   2. TEMPORARY SEEDING - WHEN AN AREA WILL BE LEFT OPEN MORE THAN 14 DAYS WITH NO CONSTRUCTION.
   3. SOD STABILIZATION - USED IN HIGHER VELOCITY CHANNEL FLOWS.
   4. PERMANENT VEGETATION - THIS IS TO BE ESTABLISHED ONCE FINAL GRADE IS ACHIEVED.
   5. SURFACE ROUGHENING - TEXTURING OF SOIL SURFACES TO REDUCE SHEET FLOW AND IMPROVE SURFACE WATER IMPOUNDMENT.
   6. SEDIMENT BASINS - SHALL BE INSPECTED TO INSURE STABLE SIDE SLOPES.
D. STRUCTURAL CONTROLS TO BE USED-SILT FENCE, INLET PROTECTION, CHECK DAMS, AND DETENTION PONDS.
E. DEVELOPMENT OF PLANS ARE TO CONFORM TO TOPOGRAPHY AND SOIL TYPE.
F. OTHER CONTROLS
   1. OFF-SITE VEHICLE TRACKING
      A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS ADJACENT TO THE SITE WILL BE SWEPT AND SCRAPED REGULARLY TO REMOVE ANY EXCESS MUD, DIRT, OR ROCK TRACKED FROM THE CONSTRUCTION AREA. A SOURCE OF FRESH WATER FOR WASHING SEDIMENT FROM TRUCKS, ESPECIALLY DURING PERIODS OF WET WEATHER, MAY BE PROVIDED IN ORDER TO MINIMIZE THE AMOUNT OF STREET SWEEPING AND SCRAPING REQUIRED. ANY WASTEWATER RESULTING FROM THE OPERATION WILL BE DIRECTED INTO A SEDIMENT TRAP.
   2. WASTE MATERIALS
      ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE HAULED TO AN APPROVED LANDFILL. NO CONSTRUCTION WASTE MATERIAL WILL BE BURIED ON-SITE. ALL PERSONNEL WILL RECEIVE INSTRUCTIONS REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES DESCRIBING THESE PRACTICES WILL BE POSTED IN THE CONSTRUCTION OFFICE. THE SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED. EMPLOYEE WASTE AND OTHER LOOSE MATERIALS WILL BE COLLECTED SO AS TO PREVENT THE RELEASE OF "FLOATABLES" DURING RUNOFF EVENTS. NO WASTE MATERIALS SHALL BE DUMPED INTO ANY ADJACENT STATE WATER, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
   3. HAZARDOUS WASTE
      NO HAZARDOUS WASTE IS EXPECTED TO BE GENERATED OR ENCOUNTERED IN THIS PROJECT. IN THE EVENT THAT HAZARDOUS WASTE IS ENCOUNTERED, ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. THE SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.
   4. SANITARY WASTE
      THE ESPCP SHALL INCORPORATE AND ADHERE TO ALL COUNTY AND STATE WASTE DISPOSAL AND SANITARY SEWER SYSTEM REGULATIONS. ANY PORTABLE SANITARY UNITS SHALL BE LOCATED AWAY FROM STORM DRAIN INLETS. A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR SHALL REGULARLY COLLECT ALL SANITARY WASTE FROM UNITS.
   5. GRADING EQUIPMENT
      GRADING EQUIPMENT SHALL CROSS-FLOWING STREAMS BY THE MEANS OF BRIDGES OR CULVERTS, EXCEPT WHEN SUCH METHODS ARE NOT FEASIBLE, PROVIDED IN ANY CASE THAT SUCH CROSSINGS SHOULD BE KEPT TO A MINIMUM.
   6. DUST CONTROL
      DURING GRADING OPERATIONS (IF APPLICABLE), PERIODICALLY APPLY MOISTURE SPRAY TO LARGE AREAS FOR DUST CONTROL.

STORMWATER MANAGEMENT

NO DETENTION PROPOSED SINCE NO CHANGE IN C-FACTOR PROPOSED
PRE-DEVELOPED C=0.30
POST-DEVELOPED C=0.64

CONTROLS

BMPS WILL BE IMPLEMENTED AND CONSTRUCTED IN ACCORDANCE WITH THE PHASED EROSION, SEDIMENT, AND POLLUTION CONTROL PLANS AND ACTIVITY SCHEDULE PROVIDED.

STABILIZATION MEASURES

THE FOLLOWING SITE STABILIZATION MEASURES WILL BE UTILIZED AS INDICATED ON THE EROSION, SEDIMENT, AND POLLUTION CONTROL PLANS: TEMPORARY MULCHING, TEMPORARY, AND PERMANENT SEEDING. 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 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

STRUCTURAL PRACTICES

THE FOLLOWING STRUCTURAL PRACTICES WILL BE UTILIZED AS INDICATED ON THE EROSION, SEDIMENT, AND POLLUTION CONTROL PLANS: SILT FENCE, TEMPORARY SEDIMENT TRAPS AT INLETS, AND RETROFIT AT DETENTION POND.
STORM WATER MANAGEMENT:
THE PROPOSED DETENTION POND WILL REGULATED POST-DEVELOPED FLOWS TO LESS THAN PRE-DEVELOPED FLOWS.

WASTE MATERIALS

ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN A DUMPSTER. THE DUMPSTER SHALL BE EMPTIED WHEN FULL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ONSITE. ALL PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. ALL WASTE DISPOSAL PRACTICES SHALL BE CONDUCTED IN ACCORDANCE WITH STATE AND/OR LOCAL WASTE DISPOSAL REGULATIONS.

BUILDING MATERIALS

NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

HAZARDOUS WASTE

HAZARDOUS PRODUCTS USED ON-SITE SHALL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RE-SEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS (MSDSS) SHALL BE RETAINED ON SITE. SURPLUS HAZARDOUS PRODUCTS SHALL BE DISPOSED OF ACCORDING TO LOCAL, STATE, AND FEDERAL GUIDELINES. ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES AND THE PROJECT SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO DAY SITE OPERATIONS, SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. MATERIAL SAFETY DATA SHEETS (MSDS'S) WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING PARTICULARLY REGARDING SILL CONTROL TECHNIQUES.

PETROLEUM BASED PRODUCTS

CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ONSITE VEHICLES AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERS, NATURAL DRAINS, AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS, AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/FINISHES/ SOLVENTS

ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCK WASHING

NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

FERTILIZER/HERBICIDES

THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

SANITARY WASTE

SANITARY WASTE GENERATED FROM PORTABLE UNITS SHALL BE EMPTIED AS REQUIRED TO PROVIDE FOR SANITARY CONDITIONS. ALL SANITARY WASTE DISPOSAL PRACTICES SHALL BE CONDUCTED IN ACCORDANCE WITH STATE AND/OR LOCAL WASTE DISPOSAL REGULATIONS. A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTER WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE, BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

SPILL CLEANUP AND CONTROL PRACTICES

1. LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN MATERIAL STORAGE AREA ONSITE. (TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS).
3. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
4. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE FEDERAL, STATE, OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
5. THE SPILL PREVENTION PLAN SHALL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT SPILLS FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEAN UP MEASURES SHALL ALSO BE INCLUDED. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY OPERATIONS SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.
6. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
7. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITH 24 HOURS AT 1-800-424-8802.
8. FOR SPILLS GREATER THAT 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
9. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

INITIAL PHASE NOTES

PRIOR TO LAND DISTURBING ACTIVITY, THE CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF IT'S NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURNING AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, LIMITS OF LAND DISTURBANCE SHALL CLEARLY AND ACCURATELY BE DEMARCATED WITH STAKES, RIBBONS OR OTHER APPROPRIATE MEANS, AND SHALL BE DEMACATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:

1. THE CONSTRUCTION EXIT SHALL BE PLACED AS SHOWN ON THE PLANS.

2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION EXIT, ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

3. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN.

4. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITY.

AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHAL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORSEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE PROJECT PROFESSIONAL DURING THE SITE INSPECTION.

AFTER APPROVAL OF INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS, THE CONTRACTOR SHALL CONSTRUCT SEDIMENT PONDS AS SHOWN ON PLANS.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ALL SILT FENCES MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983 EDITION.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM A VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE PROPER FUNCTIONING.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED PLANS.

INTERMEDIATE PHASE NOTES

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF IT'S NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES, AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONNTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION, AND ALTER THE LOCATION OF EROSION CONTROL DEVICES ACCORDINGLY. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL ESTABLISH BARRIERS AT THE TOP OF ALL SLOPES UNDER CONSTRUCTION. CUT AND FILL SLOPES SHALL NOT EXCEED 2:1.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED.

ALL DRAINAGE SWALES AND GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED FOR AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT FACILITIES UNTIL PERMANENT GROUNDCOVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT WHEN IT REACHES ONE THIRD OF THE DEPT OF THE BASIN.

RETROFIT STRUCTURE SHALL BE KEPT CLEAR OF TRASH AND DEBRIS. THIS WILL REQUIRE CONTINUOUS MONITORING AND MAINTENANCE. THE RETROFIT STRUCTURE IS TEMPORARY AND SHALL BE REMOVED WHEN DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.

SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM A VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES, WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

FINAL PHASE NOTES

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED FOR AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT FACILITIES UNTIL PERMANENT GROUNDCOVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT WHEN IT REACHES ONE THIRD OF THE DEPT OF THE BASIN.

AFTER CURBING, GRADED AGGREGATE BASE AND PAVEMENT HAVE BEEN INSTALLED, ALL INLET SEDIMENT TRAPS FOR CATCH BASINS OR CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB INLET FILTER PROTECTION.

ALL ROADWAY AND PARKING SHOULDERS SHOULD BE GRASSED AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

UPON COMPLETION OF THE PROJECT AND RECEIPT OF THE CERTIFICATE OF COMPLETION, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED OTHERWISE ON PLANS.

BY	REVISIONS	DATE
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.
.	.	.

HARRIS GRAY, LLC
ENGINEERS - SURVEYORS - PLANNERS
CERTIFICATE OF AUTHORIZATION NO. : PEF006540
824 THIRD AVENUE - WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

Troup County Fire Station

E.S.& P.C. NOTES

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME HG ESPC NOTES
JOB NO. GA250193

GEORGIA REGISTERED PROFESSIONAL 10.10.25 ENGINEER JOHN SCOTT HARRIS

GSWCC LEVEL II # 4456

SHT. 09 OF 21

INSPECTIONS

a. PERMITTEE REQUIREMENTS.

(1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(2). MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON- WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.

(3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS: (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. CERTIFIED PERSONNEL SHALL ALSO CONDUCT INSPECTIONS WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST). POST-RAIN INSPECTIONS WILL RESET THE 7-DAY INSPECTION FREQUENCY REQUIREMENT. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS

APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(4). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

(5). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

(6). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.C.2. OF THIS PERMIT.

5. MAINTENANCE. THE PLAN SHALL INCLUDE A DESCRIPTION OF PROCEDURES TO ENSURE THE TIMELY MAINTENANCE OF VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THE SITE PLAN.

6. SAMPLING REQUIREMENTS. THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A

SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

a. SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:

(1). A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE SITE OR THE STAND ALONE CONSTRUCTION; (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORMWATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORMWATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP;

(2). A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;

(3). WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A RATIONALE MUST BE INCLUDED ON THE PLAN FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES); AND

(4). ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIMELINE FOR SUBMITTAL.

b. SAMPLE TYPE. ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833- B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

(1). SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.

(2). SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.

(3). LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.

(4). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.

(5). SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

c. SAMPLING POINTS.

(1). FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLING POINTS SHALL BE LOCATED ON APPLICABLE PAGES OF THE INITIAL, INTERMEDIATE, AND FINAL PHASE OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS. SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORMWATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:

(A). THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORMWATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.

(B). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.

(C). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL CHANNEL(S).

(D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL.

(E). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.

(F). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.

(G). PERMITTEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).

(H). ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORMWATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.4. OR III.D.5., WHICHEVER IS APPLICABLE.

d. SAMPLING FREQUENCY.

(1). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN IN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
(2). HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.

(3). SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:

(A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A

STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;

(B). IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;

(C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-RAIN EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;

(D). WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND

(E). EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.
*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

7. NON-STORMWATER DISCHARGES. EXCEPT FOR FLOWS FROM FIRE-FIGHTING ACTIVITIES, SOURCES OF NON- STORMWATER LISTED IN PART III.A.2. OF THIS PERMIT THAT ARE COMBINED WITH STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY MUST BE IDENTIFIED IN THE PLAN. THE PLAN SHALL IDENTIFY AND ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE DISCHARGE.

E. REPORTING.

5. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORMWATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.C.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

6. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:

a. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
b. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
c. THE DATE(S) ANALYSES WERE PERFORMED;
d. THE TIME(S) ANALYSES WERE INITIATED;
e. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
f. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
g. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;
h. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND
i. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.

3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE EPD DISTRICT OFFICE OR DELIVERY RECEIPT EMAIL TO THE APPROPRIATE EPD DISTRICT OFFICE RESOURCE MAILBOX ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

F. RETENTION OF RECORDS.

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

a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
c. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;

d. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
e. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D. OF THIS PERMIT; AND
g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2). OF THIS PERMIT.

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

PART V. STANDARD PERMIT CONDITIONS

A. DUTY TO COMPLY.

1. EACH PERMITTEE MUST COMPLY WITH ALL APPLICABLE CONDITIONS OF THIS PERMIT. ANY PERMIT NONCOMPLIANCE CONSTITUTES A VIOLATION OF THE GEORGIA WATER QUALITY CONTROL ACT (O.C.G.A. §§12- 5-20, ET SEQ.) AND IS GROUNDS FOR ENFORCEMENT ACTION; FOR PERMIT TERMINATION; OR FOR DENIAL OF A PERMIT RENEWAL APPLICATION. FAILURE OF A PRIMARY PERMITTEE TO COMPLY WITH ANY APPLICABLE TERM OR CONDITION OF THIS PERMIT SHALL NOT RELIEVE ANY OTHER PRIMARY PERMITTEE FROM COMPLIANCE WITH THEIR APPLICABLE TERMS AND CONDITIONS OF THIS PERMIT.

2. EACH PERMITTEE MUST DOCUMENT IN THEIR RECORDS ANY AND ALL KNOWN VIOLATIONS OF THIS PERMIT AT HIS/HER SITE WITHIN SEVEN (7) DAYS OF HIS/HER KNOWLEDGE OF THE VIOLATION. A SUMMARY OF THESE VIOLATIONS MUST BE SUBMITTED TO EPD BY THE PERMITTEE AT THE ADDRESSES SHOWN IN APPENDIX A WITHIN FOURTEEN (14) DAYS OF HIS/HER DISCOVERY OF THE VIOLATION.

3. PENALTIES FOR VIOLATIONS OF PERMIT CONDITIONS. THE FEDERAL CLEAN WATER ACT AND THE GEORGIA WATER QUALITY CONTROL ACT (O.C.G.A. §§12-5-20, ET SEQ.) PROVIDE THAT ANY PERSON WHO FALSIFIES, TAMPERS WITH, OR KNOWINGLY RENDERS INACCURATE ANY MONITORING DEVICE OR METHOD REQUIRED TO BE MAINTAINED UNDER THIS PERMIT, MAKES ANY FALSE STATEMENT, REPRESENTATION, OR CERTIFICATION IN ANY RECORD OR OTHER DOCUMENT SUBMITTED OR REQUIRED TO BE MAINTAINED UNDER THIS PERMIT, INCLUDING MONITORING REPORTS OR REPORTS OF COMPLIANCE OR NONCOMPLIANCE SHALL, UPON CONVICTION BE PUNISHED BY A FINE OR BY IMPRISONMENT, OR BY BOTH. THE FEDERAL CLEAN WATER ACT AND THE GEORGIA WATER QUALITY CONTROL ACT ALSO PROVIDE PROCEDURES FOR IMPOSING CIVIL PENALTIES WHICH MAY BE LEVIED FOR VIOLATIONS OF THE ACTS, ANY PERMIT CONDITION OR LIMITATION ESTABLISHED PURSUANT TO THE ACTS, OR

NEGLIGENTLY OR INTENTIONALLY FAILING OR REFUSING TO COMPLY WITH ANY FINAL OR EMERGENCY ORDER OF THE DIRECTOR.

B. CONTINUATION OF THE EXPIRED GENERAL PERMIT. THIS PERMIT EXPIRES ON THE DATE SHOWN ON THE COVER PAGE OF THIS PERMIT. HOWEVER, AN EXPIRED GENERAL PERMIT CONTINUES IN FORCE AND EFFECT UNTIL A NEW GENERAL PERMIT IS ISSUED, FINAL AND EFFECTIVE.

C. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE. IT SHALL NOT BE A DEFENSE FOR THE PERMITTEE IN AN ENFORCEMENT ACTION THAT IT WOULD HAVE BEEN NECESSARY TO HALT OR REDUCE THE PERMITTED ACTIVITY IN ORDER TO MAINTAIN COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT.

D. DUTY TO MITIGATE. THE PERMITTEE SHALL TAKE ALL REASONABLE STEPS TO MINIMIZE OR PREVENT ANY DISCHARGE IN VIOLATION OF THIS PERMIT WHICH HAS A REASONABLE LIKELIHOOD OF ADVERSELY AFFECTING HUMAN HEALTH OR THE ENVIRONMENT.

E. DUTY TO PROVIDE INFORMATION. THE PERMITTEE SHALL FURNISH TO THE DIRECTOR; A STATE OR LOCAL AGENCY APPROVING SOIL EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, GRADING PLANS, OR STORMWATER MANAGEMENT PLANS; OR IN THE CASE OF A STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY WHICH DISCHARGES THROUGH A MUNICIPAL SEPARATE STORM SEWER SYSTEM WITH AN NPDES PERMIT, TO THE LOCAL GOVERNMENT OPERATING THE MUNICIPAL SEPARATE STORM SEWER SYSTEM, ANY INFORMATION WHICH IS REQUESTED TO DETERMINE COMPLIANCE WITH THIS PERMIT. IN THE CASE OF INFORMATION SUBMITTED TO THE EPD SUCH INFORMATION SHALL BE CONSIDERED PUBLIC INFORMATION AND AVAILABLE UNDER THE GEORGIA OPEN RECORDS ACT.

F. OTHER INFORMATION. WHEN THE PERMITTEE BECOMES AWARE THAT HE FAILED TO SUBMIT ANY RELEVANT FACTS OR SUBMITTED INCORRECT INFORMATION IN THE NOTICE OF INTENT OR IN ANY OTHER REPORT REQUIRED TO BE SUBMITTED TO THE EPD, THE PERMITTEE SHALL PROMPTLY SUBMIT SUCH FACTS OR INFORMATION.

G. SIGNATORY REQUIREMENTS. ALL NOTICES OF INTENT, NOTICE OF TERMINATIONS, INSPECTION REPORTS, SAMPLING REPORTS OR OTHER REPORTS REQUESTED BY THE EPD SHALL BE SIGNED AS FOLLOWS:

1. ALL NOTICES OF INTENT AND NOTICES OF TERMINATION SHALL BE SIGNED AS FOLLOWS:

a. FOR A CORPORATION: BY A RESPONSIBLE CORPORATE OFFICER. FOR THE PURPOSE OF THIS PERMIT, A RESPONSIBLE CORPORATE OFFICER MEANS: (1) A PRESIDENT, SECRETARY, TREASURER, OR VICE-PRESIDENT OF THE CORPORATION IN CHARGE OF A PRINCIPAL BUSINESS FUNCT

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

ALL DISTURBED AREAS TO BE LEFT IDLE FOR LESS THAN TWO WEEKS TO BE TREATED WITH MULCH (Ds1). AREAS LEFT IDLE FOR TWO TO FOUR WEEKS SHALL BE TREATED WITH TEMPORARY GRASSING (Ds2). AREAS LEFT IDLE FOR FOUR WEEKS OR MORE TO BE ESTABLISHED WITH PERMANENT GRASSING (Ds3).

TEMPORARY EROSION CONTROL MEASURES TO REMAIN IN PLACE UNTIL FINAL STABILIZATION.

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

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER BMPS WITHIN SEVEN (7) DAYS AFTER INSTALLATION.

THERE IS NO PROPOSED DISTURBANCE WITHIN ANY STREAM BUFFERS.

E.C. FOR BUILDING MATERIALS:

PLASTIC SHEETING OR TEMPORARY ROOFS TO BE USED TO COVER BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS IN ORDER TO MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.

PHASE 1:
CONSTRUCTION EXIT AND PERIMETER SILT FENCE TO BE INSTALLED. BERM WITH OUTLET CONTROL STRUCTURE AND SEDIMENT CONTAINMENT TO BE INSTALLED IN SOUTHWEST CORNER OF SITE. DEMOLITION WILL THEN BEGIN..

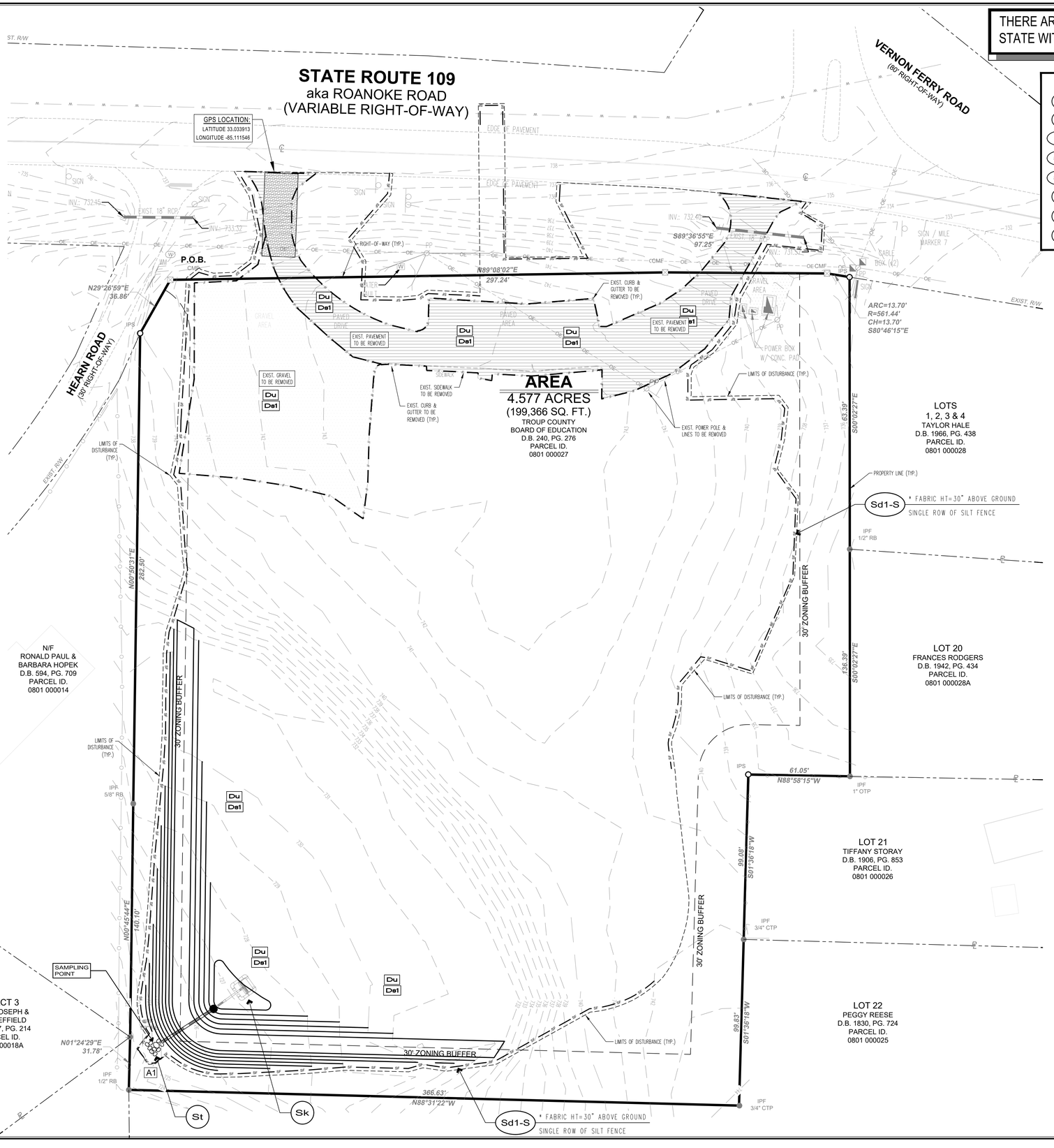
PHASE 2:
GRADING, & UTILITIES WILL BE CONSTRUCTED DURING PHASE 2. PERIMETER SILT FENCE AND A SKIMMER WITHIN THE POND WILL BE UTILIZED TO FACILITATE THE SEDIMENT GENERATED DURING THIS PHASE AND RIP-RAP WILL BE USED TO DISSIPATE RUNOFF AT CONCENTRATED FLOWS.

PHASE 3:
THE BUILDING AND PAVING WILL BE CONSTRUCTED DURING THIS PHASE. IN PHASE 3 ALL LANDSCAPED AREAS SHOULD BE ESTABLISHED.

TEMPORARY SEDIMENT CONTROL:
THIS PROJECT HAS 3.9 ACRES OF TOTAL DISTURBANCE WITH 0 ACRES OF OFF-SITE DRAINING THROUGH THE PROPOSED SITE.

PERIMETER:
2.1 Ac OF DRAINAGE, 67 CY/Ac * 2.1 Ac = 140.7 CUBIC YARDS
540 L.F. x 0.483 = 260.82 C.Y. COLLECTED

TEMPORARY SEDIMENT CONTROL WILL BE FACILITATED WITH THE USE OF A 540 L.F. OF SILT FENCE AND A DETENTION POND.



THERE ARE [ ] / ARE NO [X] WATERS OF THE STATE WITHIN 200 FEET OF THE PROJECT SITE.

E.C. LEGEND:

Co	CONSTRUCTION EXIT	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Re	RETAINING WALL	Ds2	DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)
Sd1	SEDIMENT BARRIER (SEE DETAIL FOR SPECIFIC TYPE)	Ds3	DISTURBED AREA STABILIZATION (PERMANENT SEEDING)
Sd2	INLET SEDIMENT TRAP (SEE DETAIL FOR SPECIFIC TYPE)	Ds4	DISTURBED AREA STABILIZATION (SODDING)
Sd4	TEMPORARY SEDIMENT TRAP (SEE DETAIL FOR SPECIFIC TYPE)	Du	DUST CONTROL
St	RIPRAP OUTLET PROTECTION	Se	SLOPE STABILIZATION
Su	SURFACE ROUGHENING		
Rt	RETROFIT (USED INSTEAD OF SKIMMER BECAUSE POND IS TOO NARROW)		

Du

OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. THE PLAN SHALL INCLUDE THE BEST MANAGEMENT PRACTICE TO BE IMPLEMENTED AT THE SITE OR CONSTRUCTION ACTIVITY.

PRIMARY PERMITTEE:
Troup Co. Board of Commissioners
100 Ridley Ave.
LaGrange, GA 30240
JAMES ANDERSON
706-645-5885
24-HOUR CONTACT:
JAMES ANDERSON
706-298-3792 janderson@troupco.org

24-CONTACT:
JAMES ANDERSON
706-298-3792
janderson@troupco.org
THE CONTACT PERSON MUST BE ACCESSIBLE 24 HOURS A DAY, 7 DAYS A WEEK WITH NO EXCEPTIONS.

DISTURBED AREA:
3.9 ACRES

GSWCC RIP-RAP CHART (FROM GREEN BOOK Pg. 6-261)

	A1 HEADWALL	B1 HEADWALL	C1 HEADWALL
	A1	B1	C1
PIPE DIAMETER, Do (IN)	18	18	18
FLOW RATE, Q (CFS)	2.59	3.48	0.83
VELOCITY, V (FPS)	5.45	6.21	4.52
TAILWATER CONDITION	<0.5Do	<0.5Do	<0.5Do
RIP-RAP APRON			
LENGTH, La (FT)	9.0	9.0	9.0
WIDTH @ HW, W1 (FT)	4.5	4.5	4.5
DOWNSTREAM WIDTH, W2 (FT)	5.1	5.1	5.1
AVG. STONE SIZE (d50)	0.50	0.50	0.50
STONE DEPTH (D)	0.75	0.75	0.75

GEORGIA811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.

SCALE IN FEET
1" = 30'

BY	DATE	REVISIONS

HARRIS GRAY, LLC
ENGINEERS - SURVEYORS - PLANNERS
CERTIFICATE OF AUTHORIZATION NO.: PEF006540
824 THIRD AVENUE - WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

Troup County
Fire Station
E.S.& P.C. PLAN
INITIAL PHASE

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME ESPC PLAN
JOB NO. GA250193

GEORGIA REGISTERED NO. PEF006488 PROFESSIONAL 10-10-25 ENGINEER JOHN SCOTT HARRIS
GSWCC LEVEL II # 4456

SHT. 11 OF 21

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

ALL DISTURBED AREAS TO BE LEFT IDLE FOR LESS THAN TWO WEEKS TO BE TREATED WITH MULCH (Ds1). AREAS LEFT IDLE FOR TWO TO FOUR WEEKS SHALL BE TREATED WITH TEMPORARY GRASSING (Ds2). AREAS LEFT IDLE FOR FOUR WEEKS OR MORE TO BE ESTABLISHED WITH PERMANENT GRASSING (Ds3).

TEMPORARY EROSION CONTROL MEASURES TO REMAIN IN PLACE UNTIL FINAL STABILIZATION.

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

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER BMPS WITHIN SEVEN (7) DAYS AFTER INSTALLATION.

THERE IS NO PROPOSED DISTURBANCE WITHIN ANY STREAM BUFFERS.

E.C. FOR BUILDING MATERIALS:

PLASTIC SHEETING OR TEMPORARY ROOFS TO BE USED TO COVER BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS IN ORDER TO MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.

PHASE 1:
CONSTRUCTION EXIT AND PERIMETER SILT FENCE TO BE INSTALLED. BERM WITH OUTLET CONTROL STRUCTURE AND SEDIMENT CONTAINMENT TO BE INSTALLED IN SOUTHWEST CORNER OF SITE. DEMOLITION WILL THEN BEGIN..

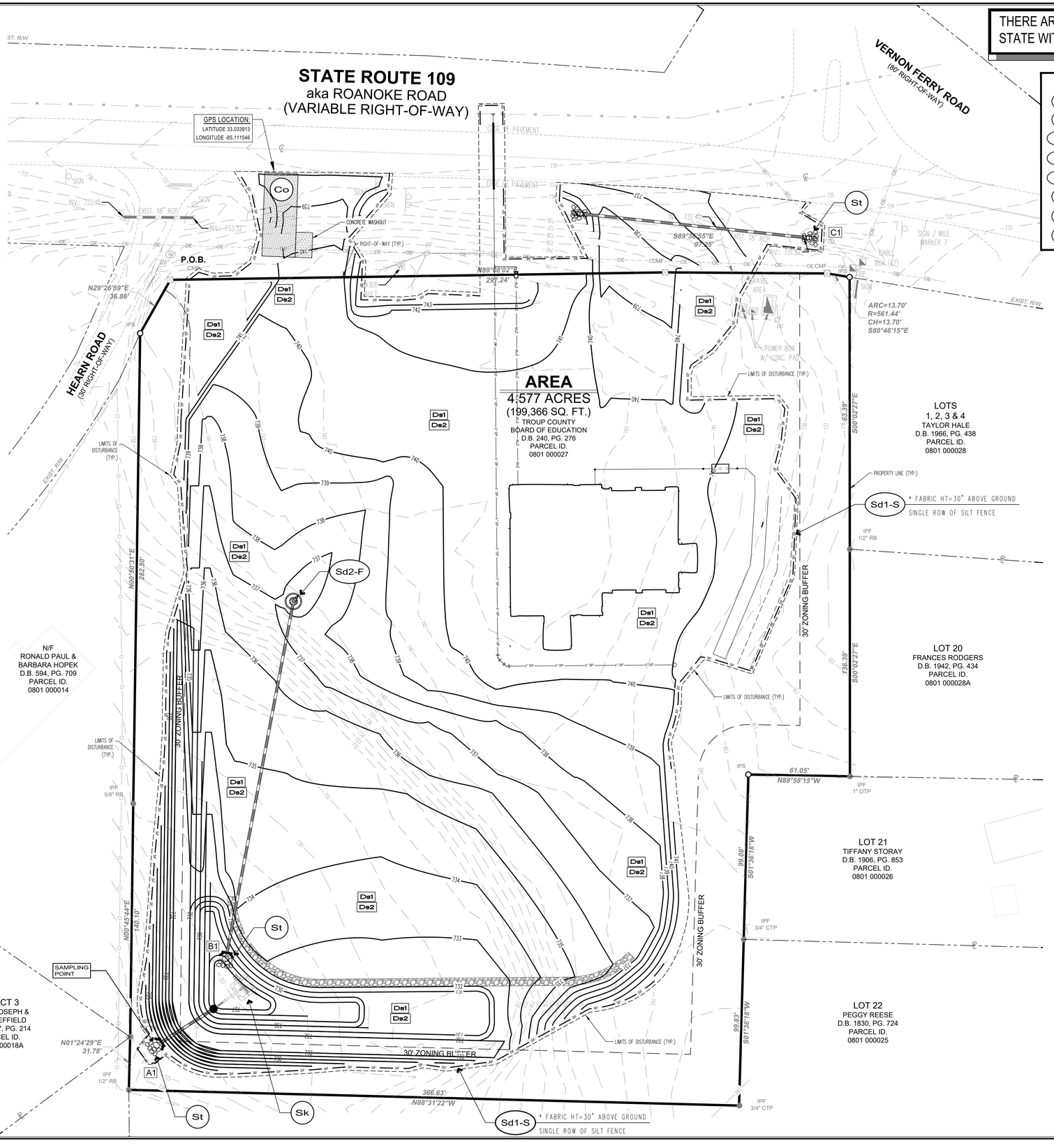
PHASE 2:
GRADING, & UTILITIES WILL BE CONSTRUCTED DURING PHASE 2. PERIMETER SILT FENCE AND A SKIMMER WITHIN THE POND WILL BE UTILIZED TO FACILITATE THE SEDIMENT GENERATED DURING THIS PHASE AND RIP-RAP WILL BE USED TO DISSIPATE RUNOFF AT CONCENTRATED FLOWS.

PHASE 3:
THE BUILDING AND PAVING WILL BE CONSTRUCTED DURING THIS PHASE. IN PHASE 3 ALL LANDSCAPED AREAS SHOULD BE ESTABLISHED.

TEMPORARY SEDIMENT CONTROL:
THIS PROJECT HAS 3.9 ACRES OF TOTAL DISTURBANCE WITH 0 ACRES OF OFF-SITE DRAINING THROUGH THE PROPOSED SITE.

PERIMETER:
2.1 Ac OF DRAINAGE, 67 CY/Ac * 2.1 Ac = 140.7 CUBIC YARDS
540 L.F. x 0.483 = 260.82 C.Y. COLLECTED

TEMPORARY SEDIMENT CONTROL WILL BE FACILITATED WITH THE USE OF A 540 L.F. OF SILT FENCE AND A DETENTION POND.



THERE ARE [ ] / ARE NO [X] WATERS OF THE STATE WITHIN 200 FEET OF THE PROJECT SITE.

E.C. LEGEND:

Co	CONSTRUCTION EXIT	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Re	RETAINING WALL	Ds2	DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)
Sd1	SEDIMENT BARRIER (SEE DETAIL FOR SPECIFIC TYPE)	Ds3	DISTURBED AREA STABILIZATION (PERMANENT SEEDING)
Sd2	INLET SEDIMENT TRAP (SEE DETAIL FOR SPECIFIC TYPE)	Ds4	DISTURBED AREA STABILIZATION (SODDING)
Sd4	TEMPORARY SEDIMENT TRAP (SEE DETAIL FOR SPECIFIC TYPE)	Du	DUST CONTROL
St	RIPRAP OUTLET PROTECTION	Se	SLOPE STABILIZATION
Su	SURFACE ROUGHENING		
Rt	RETROFIT (USED INSTEAD OF SKIMMER BECAUSE POND IS TOO NARROW)		

Du

OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. THE PLAN SHALL INCLUDE THE BEST MANAGEMENT PRACTICE TO BE IMPLEMENTED AT THE SITE OR CONSTRUCTION ACTIVITY.

PRIMARY PERMITTEE:
Troup Co. Board of Commissioners
100 Ridley Ave.
LaGrange, GA 30240
JAMES ANDERSON
706-645-5885
24-HOUR CONTACT:
JAMES ANDERSON
706-298-3792 janderson@troupco.org

24-CONTACT:
JAMES ANDERSON
706-298-3792
janderson@troupco.org
THE CONTACT PERSON MUST BE ACCESSIBLE 24 HOURS A DAY, 7 DAYS A WEEK WITH NO EXCEPTIONS.

DISTURBED AREA:
3.9 ACRES

GSWCC RIP-RAP CHART (FROM GREEN BOOK Pg. 6-261)

	A1 HEADWALL	B1 HEADWALL	C1 HEADWALL
	A1	B1	C1
PIPE DIAMETER, Do (IN)	18	18	18
FLOW RATE, Q (CFS)	2.59	3.48	0.83
VELOCITY, V (FPS)	5.45	6.21	4.52
TAILWATER CONDITION	<0.5Do	<0.5Do	<0.5Do
RIP-RAP APRON			
LENGTH, La (FT)	9.0	9.0	9.0
WIDTH @ HW, W1 (FT)	4.5	4.5	4.5
DOWNSTREAM WIDTH, W2 (FT)	5.1	5.1	5.1
AVG. STONE SIZE (d50)	0.50	0.50	0.50
STONE DEPTH (D)	0.75	0.75	0.75

GEORGIA811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.

N

30 15 0 30 60 90
SCALE IN FEET
1" = 30'

REVISIONS	BY	DATE

HARRIS GRAY, LLC
ENGINEERS - SURVEYORS - PLANNERS
CERTIFICATE OF AUTHORIZATION NO. PEF006540
824 THIRD AVENUE - WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

Troup County
Fire Station
E.S.& P.C. PLAN
INTERMEDIATE PHASE

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME ESPC PLAN
JOB NO. GA250193

GEORGIA REGISTERED NO. PE035488 PROFESSIONAL 10-10-25 ENGINEER JOHN SCOTT HARRIS
GSWCC LEVEL II # 4456

SHT. 12 OF 21

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

ALL DISTURBED AREAS TO BE LEFT IDLE FOR LESS THAN TWO WEEKS TO BE TREATED WITH MULCH (Ds1). AREAS LEFT IDLE FOR TWO TO FOUR WEEKS SHALL BE TREATED WITH TEMPORARY GRASSING (Ds2). AREAS LEFT IDLE FOR FOUR WEEKS OR MORE TO BE ESTABLISHED WITH PERMANENT GRASSING (Ds3).

TEMPORARY EROSION CONTROL MEASURES TO REMAIN IN PLACE UNTIL FINAL STABILIZATION.

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

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER BMPS WITHIN SEVEN (7) DAYS AFTER INSTALLATION.

THERE IS NO PROPOSED DISTURBANCE WITHIN ANY STREAM BUFFERS.

E.C. FOR BUILDING MATERIALS:

PLASTIC SHEETING OR TEMPORARY ROOFS TO BE USED TO COVER BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS IN ORDER TO MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.

PHASE 1:
CONSTRUCTION EXIT AND PERIMETER SILT FENCE TO BE INSTALLED. BERM WITH OUTLET CONTROL STRUCTURE AND SEDIMENT CONTAINMENT TO BE INSTALLED IN SOUTHWEST CORNER OF SITE. DEMOLITION WILL THEN BEGIN..

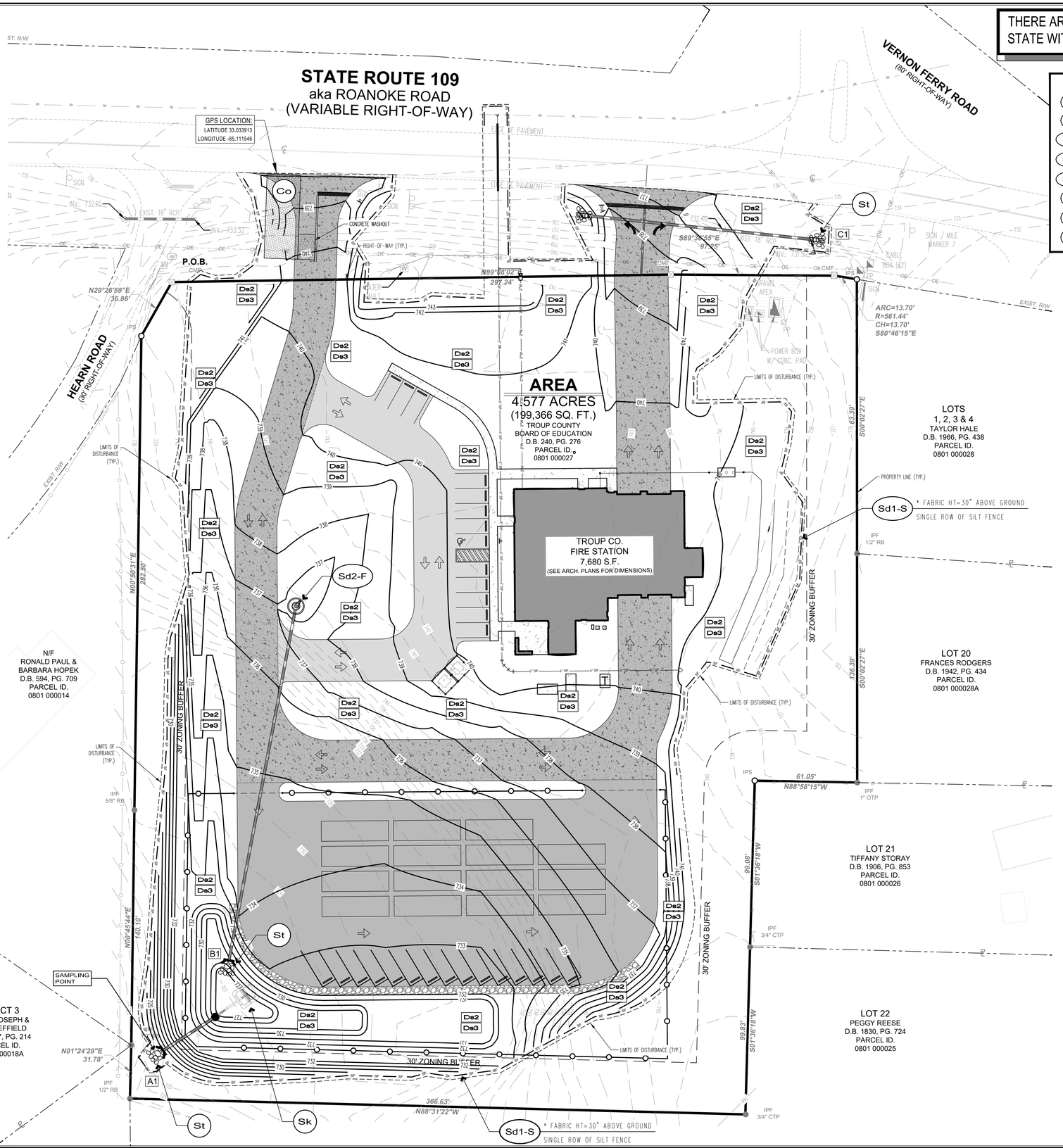
PHASE 2:
GRADING, & UTILITIES WILL BE CONSTRUCTED DURING PHASE 2. PERIMETER SILT FENCE AND A SKIMMER WITHIN THE POND WILL BE UTILIZED TO FACILITATE THE SEDIMENT GENERATED DURING THIS PHASE AND RIP-RAP WILL BE USED TO DISSIPATE RUNOFF AT CONCENTRATED FLOWS.

PHASE 3:
THE BUILDING AND PAVING WILL BE CONSTRUCTED DURING THIS PHASE. IN PHASE 3 ALL LANDSCAPED AREAS SHOULD BE ESTABLISHED.

TEMPORARY SEDIMENT CONTROL:
THIS PROJECT HAS 3.9 ACRES OF TOTAL DISTURBANCE WITH 0 ACRES OF OFF-SITE DRAINING THROUGH THE PROPOSED SITE.

PERIMETER:
2.1 Ac OF DRAINAGE, 67 CY/Ac * 2.1 Ac = 140.7 CUBIC YARDS
540 L.F. x 0.483 = 260.82 C.Y. COLLECTED

TEMPORARY SEDIMENT CONTROL WILL BE FACILITATED WITH THE USE OF A 540 L.F. OF SILT FENCE AND A DETENTION POND.



THERE ARE [ ] / ARE NO [X] WATERS OF THE STATE WITHIN 200 FEET OF THE PROJECT SITE.

E.C. LEGEND:

Co	CONSTRUCTION EXIT	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Re	RETAINING WALL	Ds2	DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)
Sd1	SEDIMENT BARRIER (SEE DETAIL FOR SPECIFIC TYPE)	Ds3	DISTURBED AREA STABILIZATION (PERMANENT SEEDING)
Sd2	INLET SEDIMENT TRAP (SEE DETAIL FOR SPECIFIC TYPE)	Ds4	DISTURBED AREA STABILIZATION (SODDING)
Sd4	TEMPORARY SEDIMENT TRAP (SEE DETAIL FOR SPECIFIC TYPE)	Du	DUST CONTROL
St	RIPRAP OUTLET PROTECTION	Se	SLOPE STABILIZATION
Su	SURFACE ROUGHENING		
Rt	RETROFIT (USED INSTEAD OF SKIMMER BECAUSE POND IS TOO NARROW)		

Du

OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. THE PLAN SHALL INCLUDE THE BEST MANAGEMENT PRACTICE TO BE IMPLEMENTED AT THE SITE OR CONSTRUCTION ACTIVITY.

PRIMARY PERMITTEE:
Troup Co. Board of Commissioners
100 Ridley Ave.
LaGrange, GA 30240
JAMES ANDERSON
706-645-5885
24-HOUR CONTACT:
JAMES ANDERSON
706-298-3792 janderson@troupco.org

24-CONTACT:
JAMES ANDERSON
706-298-3792
janderson@troupco.org
THE CONTACT PERSON MUST BE ACCESSIBLE 24 HOURS A DAY, 7 DAYS A WEEK WITH NO EXCEPTIONS.

DISTURBED AREA:
3.9 ACRES

GSWCC RIP-RAP CHART (FROM GREEN BOOK Pg. 6-261)			
	A1 HEADWALL	B1 HEADWALL	C1 HEADWALL
	A1	B1	C1
PIPE DIAMETER, Do (IN)	18	18	18
FLOW RATE, Q (CFS)	2.59	3.48	0.83
VELOCITY, V (FPS)	5.45	6.21	4.52
TAILWATER CONDITION	<0.5Do	<0.5Do	<0.5Do
RIP-RAP APRON			
LENGTH, La (FT)	9.0	9.0	9.0
WIDTH @ HW, W1 (FT)	4.5	4.5	4.5
DOWNSTREAM WIDTH, W2 (FT)	5.1	5.1	5.1
AVG. STONE SIZE (d50)	0.50	0.50	0.50
STONE DEPTH (D)	0.75	0.75	0.75

SCALE IN FEET
1" = 30'

GEORGIA811
Utilities Protection Center, Inc.
Know what's below.
Call before you dig.

BY	DATE	REVISIONS

HARRIS GRAY, LLC
ENGINEERS - SURVEYORS - PLANNERS
CERTIFICATE OF AUTHORIZATION NO. PEF006540
824 THIRD AVENUE - WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

Troup County Fire Station
E.S.& P.C. PLAN FINAL PHASE

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME ESPC PLAN
JOB NO. GA250193

GEORGIA REGISTERED PROFESSIONAL ENGINEER
JOHN SCOTT HARRIS
No. PE035488
10-10-25
GSWCC LEVEL II # 4456

SHT. 13 OF 21

Disturbed Area Stabilization (With Mulching Only) Ds1

DEFINITION

Applying plant residues or other suitable materials, produced on the site if possible, to the soil surface.

PURPOSE

- To reduce runoff and erosion
- To conserve moisture
- To prevent surface compaction or crusting
- To control undesirable vegetation
- To modify soil temperature
- To increase biological activity in the soil

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored and have a continuous 90% cover or greater of the soil surface.

Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months.

If any area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. Refer to **Ds2 -Disturbed Area Stabilization (With Temporary Seeding), Ds3 - Disturbed Area Stabilization (With Permanent Seeding), and Ds4 - Disturbed Area Stabilization (With Sodding).**

SPECIFICATIONS

Mulching Without Seeding

This standard applies to graded or cleared areas where seedings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

1. Grade to permit the use of equipment for applying and anchoring mulch.
2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
3. Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials

Select one of the following materials and apply at the depth indicated:

1. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.
2. Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
3. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.

Applying Mulch

When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.

1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.

2. If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.
3. Apply polyethylene film on exposed areas.

Anchoring Mulch

1. Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application.

   Straw or hay mulch spread with special blower-type equipment may be anchored. Tackifiers, binders and hydraulic mulch with tackifier specifically designed for tacking straw can be substituted for emulsified asphalt. Please refer to specification **Tac - Tackifiers**. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.
2. Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.
3. Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

Disturbed Area Stabilization (With Temporary Seeding) Ds2

DEFINITION

The establishment of temporary vegetative cover with fast growing seedings for seasonal protection on disturbed or denuded areas.

PURPOSE

- To reduce runoff and sediment damage of down stream resources
- To protect the soil surface from erosion
- To improve wildlife habitat
- To improve aesthetics
- To improve tilth, infiltration and aeration as well as organic matter for permanent plantings

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than six months. If an area is expected to be undisturbed for longer than six months, permanent perennial vegetation shall be used. If optimum planting conditions for temporary grassing is lacking, mulch can be used as a singular erosion control device for up to six months but it shall be applied at the appropriate depth, anchored, and have a continuous 90% cover or greater of the soil surface. Refer to specification **Ds1-Disturbed Area Stabilization (With Temporary Seeding).**

CONDITIONS

Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use as companion crops until the permanent vegetation is established. Note: Some species of temporary vegetation are not appropriate for companion crop plantings because of their potential to out-compete the desired species (e.g. annual ryegrass). Contact NRCS or the local SWCD for more information.

SPECIFICATIONS

Grading and Shaping

Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others.

No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used.

Seedbed Preparation

When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or hand-seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.

When soil has been sealed by rainfall or consists of smooth cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

Lime and Fertilizer

Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate determined by soil test for pH. Quick acting lime should be incorporated to modify pH during the germination period. Bio stimulants should also be considered when there is less than 3% organic matter in the soil. Graded areas require lime application. Soils must be tested to determine required amounts of fertilizer and amendments. Fertilizer should be applied before land preparation and incorporated with a disk, ripper, or chisel. On slopes too steep for, or inaccessible to equipment, fertilizer shall be hydraulically applied, preferably in the first pass with seed and some hydraulic mulch, then topped with the remaining required application rate.

Disturbed Area Stabilization (With Permanent Vegetation) Ds3

DEFINITION

The planting of perennial vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization. Permanent perennial vegetation shall be used to achieve final stabilization.

PURPOSE

- To protect the soil surface from erosion
- To reduce damage from sediment and runoff to down-stream areas
- To improve wildlife habitat and visual resources
- To improve aesthetics

REQUIREMENT FOR REGULATORY COMPLIANCE

This practice shall be applied immediately to rough graded areas that will be undisturbed for longer than six months. This practice or sodding shall be applied immediately to all areas at final grade. **Final Stabilization** means that all soil disturbing activities at the site have been completed, and that for unpaved areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by the GA EPD for waste disposal, 100% of the soil surface is uniformlycovered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures.

Permanent vegetation shall consist of, planted trees, shrubs, perennial vines; or a crop of perennial vegetation appropriate for the region, such that within the growing season a 70% coverage by perennial vegetation shall be achieved. Final stabilization applies to each phase of construction. For linear construction projects on land used for agricultural or silvicultural purposes, final stabilization may be accomplished by stabilizing the disturbed land for its agricultural or silvicultural use. Until this standard is satisfied and permanent control measures and facilities are operational, interim stabilization measures and temporary erosion and sedimentation control measures shall not be removed.

CONDITIONS

Permanent perennial vegetation is used to provide a protective cover for exposed areas including cuts, fills, dams, and other denuded areas.

PLANNING CONSIDERATIONS

1. Use conventional planting methods where possible.
2. When mixed plantings are done during marginal planting periods, companion crops shall be used.
3. No-till planting is effective when planting is done following a summer or winter annual cover crop. Sericea lespedeza planted no-till into stands of rye is an excellent procedure.
4. Block sod provides immediate cover. It is especially effective in controlling erosion adjacent to concrete flumes and other structures. Refer to Specification **Ds4-Disturbed Area Stabilization (With Sodding)**.
5. Irrigation should be used when the soil is dry or when summer plantings are done.
6. Low maintenance plants, as well as natives, should be used to ensure long-lasting erosion control.
7. Mowing should not be performed during the quail nesting season (May to September).
8. Wildlife plantings should be included in critical area plantings.

GEORGIA
UNIFORM CODING SYSTEM
FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES
GEORGIA SOIL AND WATER CONSERVATION COMMISSION
STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT		Co (LINE)	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION		Cr (LINE)	A traveleay constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE		Dn1 (LINE)	A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
Dn2	PERMANENT DOWNDRAIN STRUCTURE		Dn2 (LINE)	A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION			Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE		Gr (LINE)	Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
Lv	LEVEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL		Re (LINE)	A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING		Rt (LINE)	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER		SILT FENCE (LINE)	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP		Sd2	An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN		Sd3 (LINE)	A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP		Sd4 (LINE)	A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
Sk	FLOATING SURFACE SKIMMER		Sk (LINE)	A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Spb	SEEP BERM		Spb (LINE)	A linear control device constructed as a diversion perpendicular to the direction of the runoff to enhance dissipation and infiltration of runoff, while creating multiple sedimentation chambers with the employment of intermediate dikes.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sr	TEMPORARY STREAM CROSSING		Sr (LINE)	A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRAIN OUTLET PROTECTION		St (RIPRAP OUTLET PROTECTION)	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING		Su (LINE)	A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN		Tc	A floating or staked barrier installed within the water (It may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING		Tp (TOPSOILING ONLY WHEN ASSOCIATED WITH ANOTHER PRACTICE)	The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION		Tr (SHOWN TREE CENTERS)	To protect desirable trees from injury during construction activity.
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL		Wt (LINE)	Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE		Bf (LINE)	Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)		Cs	Planting vegetation on dunes that are denuded, artificially constructed, or re-nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP. SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Fl-Co	FLOCCULANTS AND COAGULANTS		Fl-Co	Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)		Sb	The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKIFIERS AND BINDERS		Tac	Substance used to anchor straw or hay mulch by causing the organic material to bind together.

few jerks on the maintenance rope will clear the skimmer of debris and restore flow. If jerking the maintenance rope does not work, pull the skimmer to the embankment with the maintenance rope and manually remove all debris from the trash guard. An internal clog or blockage may require the device to be disassembled and repaired.

If the skimmer becomes stuck in the mud at the bottom of the basin it must be freed to allow for normal operation. This can typically be done by use of the maintenance rope.

Remove sediment deposits from the basin when approximately one-third of the storage volume has been lost to sediment accumulation or when the floating skimmer cannot settle low enough to drain the entire basin. Remove or pull the skimmer to a side embankment using the maintenance rope and remove sediment from the skimmer pit.

TO BE SHOWN ON THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN

When a FLOATING SURFACE SKIMMER is used, show the following information along with each sediment pond, trap or basin being used on the site:

1. Pond, trap or basin size, length* (top and bottom) width* (top and bottom) and depth = *See Grading & Drainage Plan*
2. Time to Drain (hrs) = *72 Hours*
3. Skimmer Dimensions (orifice and head size)** *See Chart*
4. Manufacturer's name *Faircloth Skimmer*

*feet, ** inches

Addendum A: Procedure for Measurement of Floating Pond Skimmer Flow Rate

This procedure is for evaluating the flow rate of a floating pond skimmer vs. pond depth, including details for setting up a performance test that can be used for design characterization as well as quality assurance to determine product conformance to project specifications.

Procedure

a. Apparatus/Facility

i. Testing is performed in a calibrated basin (i.e. it has a known surface area at any known depth.)

ii. The basin shall be at least 40-ft long x 6-ft wide x 4-ft deep.

iii. The basin shall be outfitted with discharge pipe having a diameter no smaller than that of the pipe joining to the floating skimmer head. The discharge pipe shall have a valve that can be controlled from the outside of the basin to initiate

Floating "Headworks" Supporting Inlet

Figure 6-31.2. Skimmer Components

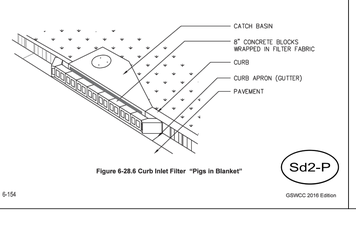


Figure 6-31.4

Calculate Skimmer Size				
Basin Volume in Cubic Feet	5,264	Cu Ft	Skimmer Size	2.0 Inch
Days to Drain*	3	Days	Orifice Radius	0.7 Inch[es]
*In NC assume 3 days to drain			Orifice Diameter	1.4 Inch[es]

Dust Control on Disturbed Areas Du

DEFINITION

Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

PURPOSE

- To prevent surface and air movement of dust from exposed soil surfaces.
- To reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

CONDITIONS

This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. Temporary Methods

Mulches. See standard **Ds1 - Disturbed Area Stabilization (With Mulching Only)**. Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification **Tac - Tackifiers.** Resins should be used according to manufacturer's recommendations.

Vegetative Cover. See specification **Ds2 - Disturbed Area Stabilization (With Temporary Seeding)**.

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to specification **Tac - Tackifiers.**

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure that should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

Barriers. Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

B. Permanent Methods

Permanent Vegetation. See specification **Ds3 -Disturbed Area Stabilization (With Permanent Vegetation)**. Existing trees and large shrubs may afford valuable protection if left in place.

Topsoiling. This entails covering the surface with less erosive soil material. See specification **Tp - Topsoiling**.

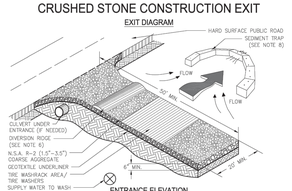
Stone. Cover surface with crushed stone or coarse gravel. See specification **Cr-Construction Road Stabilization**.

Table 6-5.1. Fertilizer Requirements

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. Cool season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 1/2/
	Second	6-12-12	1000 lbs./ac.	
	Maintenance	10-10-10	400 lbs./ac.	30
2. Cool season grasses and legumes	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac. 1/
	Second	0-10-10	1000 lbs./ac.	—
	Maintenance	0-10-10	400 lbs./ac.	—
3. Ground covers	First	10-10-10	1300 lbs./ac. 3/	—
	Second	10-10-10	1300 lbs./ac. 3/	—
	Maintenance	10-10-10	1100 lbs./ac.	—
4. Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	—
5. Shrub Lespedeza	First	0-10-10	700 lbs./ac.	—
	Maintenance	0-10-10	700 lbs./ac. 4/	
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac. 5/	30 lbs./ac. 5/
7. Warm season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 2/6/
	Second	6-12-12	800 lbs./ac.	50-100 lbs./ac. 2/
	Maintenance	10-10-10	400 lbs./ac.	30 lbs./ac.
8. Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	50 lbs./ac./6/
	Second	0-10-10	1000 lbs./ac.	
	Maintenance	0-10-10	400 lbs./ac.	

1/ Apply in spring following seeding.
2/ Apply in split applications when high rates are used.
3/ Apply in 3 split applications.
4/ Apply when plants are pruned.
5/ Apply to grass species only.
6/ Apply when plants grow to a height of 2 to 4 inches.

CRUSHED STONE CONSTRUCTION EXIT



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. A MINIMUM WIDTH OF 10' SHALL BE USED FOR EXITS OF VEHICULAR EGRESS, BUT NO LESS THAN 20', 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

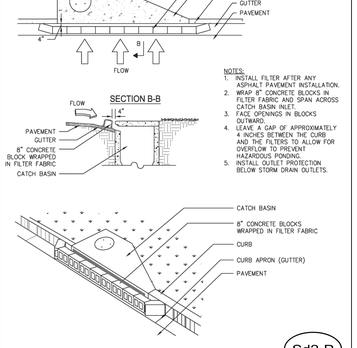
Figure 6-14.1

Co

MAINTENANCE

The exit shall be maintained in a condition that will prevent tracking or flow of mud onto public rights-of-way. This may require periodic top dressing with 1.5-3.5 inch stone, as conditions demand, and repair and/or cleanout of any structures to trap sediment. All materials spilled, dropped, washed, or tracked from vehicles or site onto roadways or into storm drains must be removed immediately.

CURB INLET FILTER "PIGS IN BLANKET"



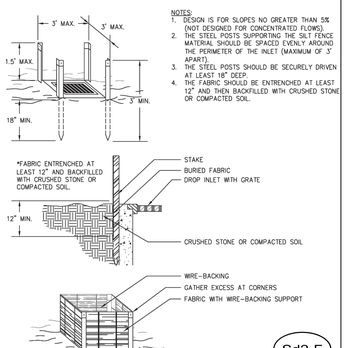
NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.

Figure 6-28.6 Curb Inlet Filter "Pigs in Blanket"

Sd2-P

FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

STEEL FRAME AND TYPE C SILT FENCE INSTALLATION



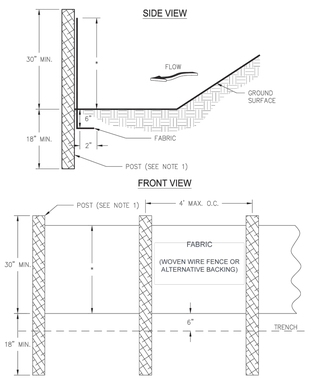
NOTES:
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

Figure 6-28.1 - Fabric and Supporting Frame For Inlet Projection

Sd2-F

Sd1-S

SILT FENCE - TYPE C

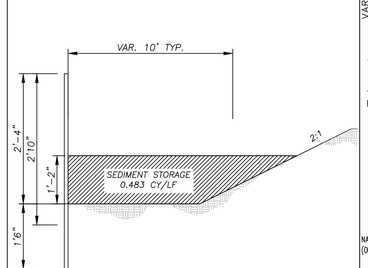


NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

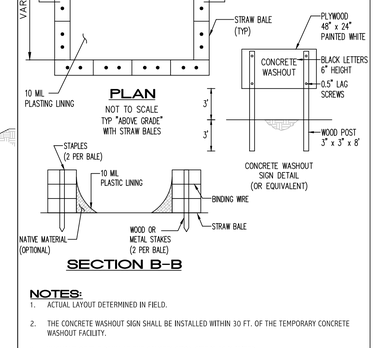
Figure 6-27.2

3.9 ACRES x 67 CY/Ac = 261.3 CY REQUIRED
194.97 CY (2.91 Ac x 67 CY/Ac) FACILITATED IN POND WITH THE USE OF A SKIMMER. REMAINDER TO BE CONTAINED WITH THE USE OF PERIMETER SILT FENCE.

SILT FENCE STORAGE PROVIDED:
Sd1= 1692 LF x 0.483 = 817.24 CY
TOTAL: 1012.21 CY PROVIDED > 261.3 CY REQ'D



SEDIMENT STORAGE CALCULATION



NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

CONCRETE WASHOUT BASIN

REVISIONS

BY	DATE

HARRIS GRAY, LLC
ENGINEERS - SURVEYORS - PLANNERS
CERTIFICATE OF AUTHORIZATION NO.: PEF006540
824 THIRD AVENUE • WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

Troup County
Fire Station
GSWCC DETAILS

DATE	10/7/25
DRAWN BY	JAM
CHKD BY	JSH
FILE NAME	HG ESPC DTLS
JOB NO.	GA250193

GEORGIA REGISTERED PROFESSIONAL ENGINEER
NO. PE030488
10-10-25
JOHN SCOTT HARRIS
GSWCC LEVEL II # 4456

SHT. 14 OF .

Table 6-4.1 - Temporary Cover or Companion Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR TEMPORARY COVER OR COMPANION CROPS [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
BARLEY *Hordeum vulagre*					
alone	3 bu. (144 lbs)	3.3 lbs	M-L		14,000 seed per pound. Winter hardy. Use on productive soils.
in mixture	1/2 bu. (24lbs)	0.6 lb	P		
			C		
LESPEDEZA, ANNUAL *Lespedeza striata*					
alone	40 lbs	0.9 lb	M-L		200,000 seed per pound. May volunteer for several years. Use inoculant EL.
in mixture	10 lbs	0.2 lb	P		
			C		
LOVEGRASS, WEEPING *Eragrostis curvula*					
alone	4 lbs	0.1 lb	M-L		1,500,000 seed per pound. May last for several years. Mix with *Sericea lespedeza.*
in mixture	2 lbs	0.05 lb	P		
			C		
MILLET, BROWNTOP *Panicum fasciculatum*					
alone	40 lbs	0.9 lb	M-L		137,000 seed per pound. Quick dense cover. Will provide excessive competion in mixtures if seeded at high rate.
in mixture	10 lbs	0.2 lb	P		
			C		

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
MILLET, PEARL *Pennesetum glaucum*					
alone	50 lbs	1.1 lbs	M-L		88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
			P		
			C		
OATS *Avena sativa*					
alone	4 bu. (128 lbs)	2.9 lbs	M-L		13,000 seed per pound. Use on productive soils. Not as a winter hardy as rye or barley.
in mixture	1 bu. (32 lbs)	0.7 lb	P		
			C		
RYE *Secale cereale*					
alone	3 bu. (168 lbs)	3.9 lbs	M-L		18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.
in mixture	1/2 bu. (28 lbs)	0.6 lb	P		
			C		
RYEGRASS, ANNUAL *Lolium temulentum*					
alone	40 lbs	0.9 lb	M-L		227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.
			P		
			C		
SUDANGRASS *Sorghum sudanese*					
alone	60 lbs	1.4 lbs	M-L		55,000 seed per pound. Good on droughty sites. Not recommended for mixtures.
			P		
			C		

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
TRITICALE *X-Triticosecale*					
alone	3 bu. (144 lbs)	3.3 lbs	C		Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
in mixture	1/2 bu. (24 lbs)	0.6 lb			
WHEAT *Triticum aestivum*					
alone	3 bu. (180 lbs)	4.1 lbs	M-L		15,000 seed per pound. Winter hardy.
in mixture	1/2 bu. (30 lbs)	0.7 lb	P		
			C		

[1]Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily

[2]Reduce seeding rates by 50% when drilled.

[3]M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents Southern Coastal Plan; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs
(see Figure 6-4.1, p. 6-40)

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
BAHIA, PENSACOLA *Paspalum notatum*					
alone or with temporary cover	60 lbs	1.4 lbs	P		166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread nto bermuda pastures and awns. Mix with Sericea lespedeza or weeping lovegrass.
with other perennials	30 lbs	0.7 lb	C		
BAHIA, WILMINGTON *Paspalum notatum*					
alone or with temporary cover	60 lbs	1.4 lb	M-L		
with other perennials	30 lbs	0.7 lb	P		Same as above.
BERMUDA, COMMON *Cynodon dactylon*					
Hulled seed			P		
alone	10 lbs	0.2 lb	C		1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fileds.
with other perennials	6 lbs	0.7 lb			
BERMUDA, COMMON *Cynodon dactylon*					
Unhulled seed			P		
with temporary cover	10 lbs	0.2 lb			Plant with winter annuals.
with other perennials	6 lbs	0.1 lb	C		Plant with Tall Fescue

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
BERMUDA SPRIGS *Cynodon dactylon*					
Coastal, Common, Midland, or Tift 44	40 cu ft or sod plugs 3' x3'	0.9 cu ft	M-L		A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 springs.
Coastal, Common, of Tift 44			P C		Same as above.
Tift 78			C		Southern Coastal Plain only
CENTIPEDE *Eremochloa ophuiroides*	Block sod only		P C		Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winterhardy as far as north Athens and Atlanta
CROWNVETECH Coronilla varia					
with winter annuals or cool season grasses	15 lbs	0.3 lb	M-L P		100,000 seed per pound. Dense growth. Drought tolerant and fire resistant. Attractive rose, pink and white blossoms spring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate see with M inoculant. Use from North Atlanta and Northward.

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
LESPEDEZA Ambro virgata *Lespedeza virgata DC* or Appalow *Lespedeza cuneata (Dumont) G. Don)*					
scarified	60 lbs	1.4 lb	M-L P C		300,000 seed per pound. Height of growth is 18 to 24 inches. Advantageous in urban areas. Spreading-type growth. New growth has bronze coloration. Mix with weeping lovegrass, common bermuda, bahia, tall fescue or winter annuals. Do not mix with Sericea lespedeza. Slow to develop solid stands. Inoculate seed with EL inoculant.
unscarified	75 lbs	1.7 lb	M-L P C		
LESPEDEZA, SHRUB *Lespedeza bicolor Lespedeza thumbergii*					
plants	3' x3'		M-L P C		Provide wildlife food and cover.
LOVEGRASS, WEEPING *Eragrostis curvula*					
alone	4 lbs	0.1 lb	M-L P C		1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Sericea lespedeza on roadbanks.
with other perennials	2 lbs	0.05 lb			

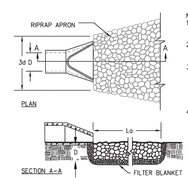
Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
MAIDENCANE *Panicum hemitomon*					
sprigs	2' x 3' spacing	ALL			For very wet sites. May clog channels. Dig sprigs from local sources. Use along river banks and shorelines.
PANICGRASS, ATLANTIC COASTAL *Panicum amarum var amarukum*					
	20 lbs	0.5 lb	P C		Grows well on coastal sand dunes, borrow areas, and gravel pits. Provides winter cover for wildlife. Mix with Sericea lespedeza except on sand dunes.
REED CANARY GRASS *Phalaris arundinacea*					
alone	50 lbs	1.1 lb	M-L		
with other perrenials	30 lbs	0.7 lb	P		Grows similar to Tall fescue
SUNFLOWER, 'AZTEC' MAXIMILLIAN *Helianthus maximiliani*					
	10 lbs	0.2 lb	M-L P C		227,000 seed per pound. Mix with Weeping lovegrass or other low-grwoing grasses or legumes.

1 Reduce seeding rates by 50% when drilled
2 PLS is an abbreviation for Pure Live Seed. Refer to Section V.E. of these specifications.
3 M-L represents to Mountain; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents the Souther Coastal Plain;Sand Hills;Black Lands;and Atlantic Coast Flatwoods MLRAs. See Figure 6-4.1

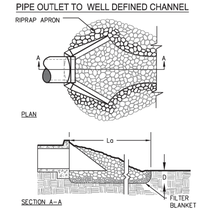
RIPRAP OUTLET PROTECTION

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL



NOTES:
1. La IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESSTHAN 6".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

PIPE OUTLET TO WELL DEFINED CHANNEL



St

Figure 6-34.3 - Riprap Outlet Protection (Modified From Va SWCC)

BY	DATE

REVISIONS

HARRIS GRAY, LLC
ENGINEERS • SURVEYORS • PLANNERS
CERTIFICATE OF AUTHORIZATION NO.: PEF006540
824 THIRD AVENUE • WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

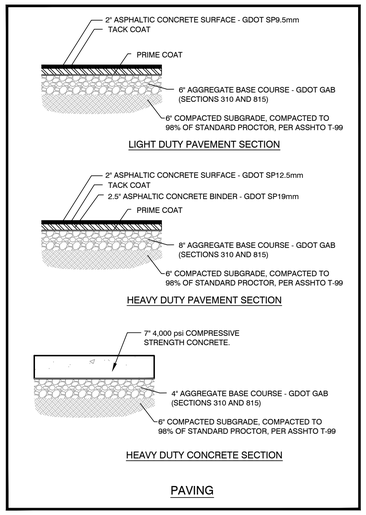
Troup County
Fire Station
GSWCC DETAILS

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME HG ESPC DTLS
JOB NO. GA250193

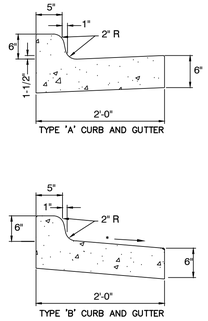
GEORGIA REGISTERED No. PEF006486 PROFESSIONAL 10-10-25 ENGINEER JOHN SCOTT HARRIS

GSWCC LEVEL II # 4456

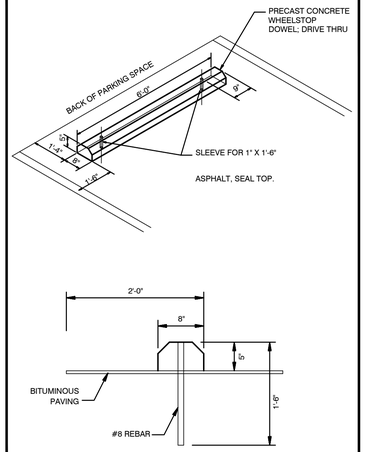
SHT. 15 OF .



PAVING

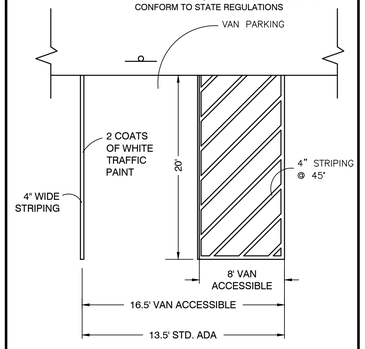


24" CONCRETE CURB & GUTTER

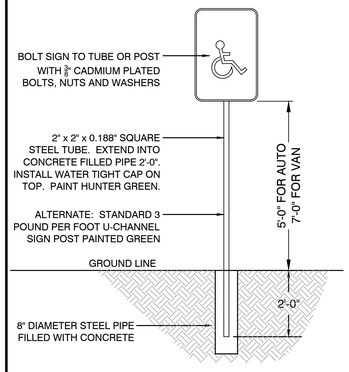


CONCRETE WHEEL STOPS

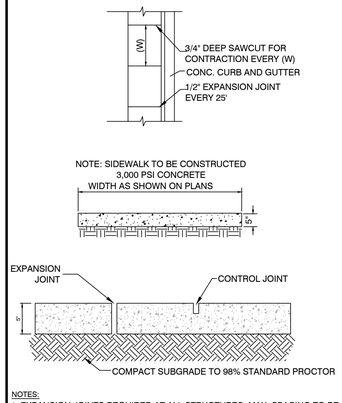
NOTE:
WHERE TURNDOWN SIDEWALK FORM CURB, SIGNS SHALL BE PLACED BEHIND SIDEWALK; WHERE A GRASSED STRIP IS PROVIDED BETWEEN CURB AND SIDEWALK, SIGN SHALL BE PLACED BEHIND CURB AS SHOWN.



A.D.A. STRIPING

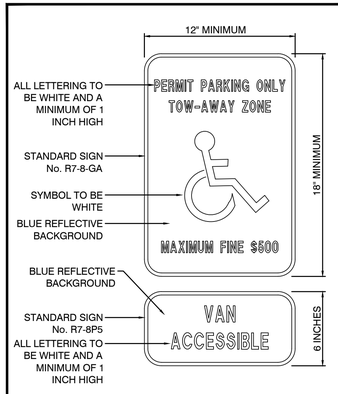


A.D.A. SIGN



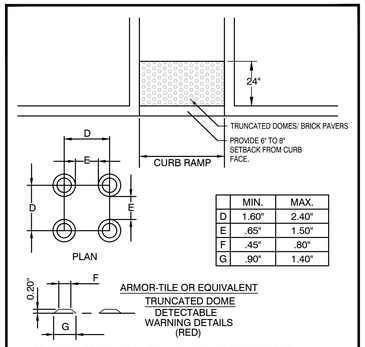
NOTES:
1. EXPANSION JOINTS REQUIRED AT ALL STRUCTURES, MAX. SPACING TO BE 25'.
2. CONTROL JOINTS TO BE SPACED EVERY W'.
3. 3000 P.S.I. CONCRETE, 2' SLUMP, WITH LIGHT BROOM FINISH.

CONCRETE SIDEWALK DETAIL



1. ALL SIGNS TO BE 0.080" THICK ALUMINUM.
2. ALL SIGN SHALL CONFORM WITH CURRENT A.D.A. FEDERAL, STATE, AND LOCAL CODES & REGULATIONS.
3. PLACE "VAN ACCESSIBLE" SIGN IN FRONT OF VAN ACCESSIBLE SPACES ONLY.

A.D.A. SIGN



	MIN.	MAX.
D	1.60"	2.40"
E	.65"	1.50"
F	.45"	.80"
G	.90"	1.40"

TRUNCATED DOMES AND ALL RELATED INSTALLED SURFACE TO BE INSTALLED ACCORDING TO THE MANUFACTURERS SPECIFICATIONS. ALL DETECTABLE WARNING SURFACE INSTALLATIONS SHALL BE AT MINIMUM, AT LEAST AS NON SKID AS THE SURROUNDING PEDESTRIAN SURFACES.

(CURB RAMPS) SHALL HAVE A DETECTABLE WARNING COMPLYING WITH RULE 120-3-20-.40. DETECTABLE WARNING TEXTURES SHALL CONSIST OF TRUNCATED DOMES, (GROOVES MAYBE USED INDOORS ONLY). TEXTURE SHALL CONTRAST IN COLOR WITH THE SURROUNDING SURFACE. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH AND 2' DEPTH OF THE CURB RAMP. RULE 120-3-20-.18(7). GEORGIA ACCESSIBILITY CODE. ALL A.D.A. ROUTES SHALL COMPLY WITH CITY OF COLUMBUS AND STATE OF GEORGIA.

A.D.A. RAMP WITH DETECTIVE WARNING SURFACE

GENERAL NOTES:

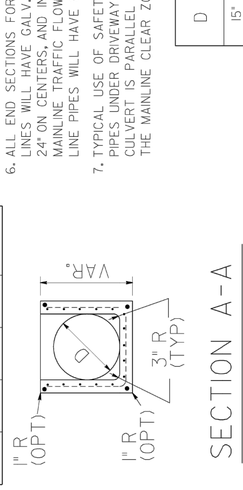
1. CONCRETE STRENGTH SHALL BE 4000 PSI MINIMUM
2. REINFORCING SHALL BE PER AASHTO M170, CLASS II REINFORCED CONCRETE PIPE, PLUS ONE #4 BAR TOP AND BOTTOM, EACH SIDE.
3. WALLS MAY HAVE 1/4" TAPER. WALL THICKNESSES SHOWN ARE THE MINIMUM.
4. LIFT HOLES MAY BE PROVIDED IN THE SIDE WALLS FOR HANDLING.
5. END SECTION JOINT WILL BE A MATCHED FIT TO THE ADJOINING PIPE JOINT AT ALL INLET AND OUTLET ENDS, NON-FITTING JOINTS WILL REQUIRE A BUILT-IN-PLACE REINFORCED COLLAR CONNECTION WITH NO ADDITIONAL PAYMENT.
6. ALL END SECTIONS FOR PIPES WITH "D" OVER 24" ON SINGLE LINES WILL HAVE GALV. SAFETY BARS, SPACED NOT MORE THAN 24" ON CENTERS, AND INSTALLED PERPENDICULAR TO THE MAINLINE TRAFFIC FLOW. ALL END SECTIONS FOR MULTIPLE LINE PIPES WILL HAVE GRATES.
7. TYPICAL USE OF SAFETY END SECTIONS IS AT THE ENDS OF PIPES UNDER DRIVEWAYS OR SIDEROADS WHERE THE PIPE CULVERT IS PARALLEL TO THE MAINLINE AND FALLS INSIDE THE MAINLINE CLEAR ZONE WIDTH.

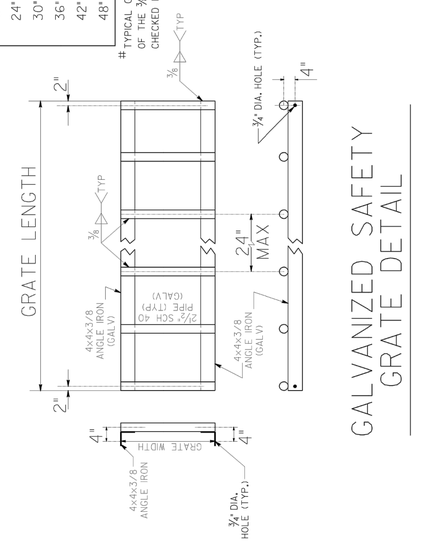
D	(MIN) GRATE LENGTH	GRATE WIDTH (TYP) #
15"	2'-4"	1'-9⅝"
18"	2'-4"	2'-0⅝"
24"	6'-4"	2'-6⅞"
30"	8'-6"	3'-2⅝"
36"	12'-4"	3'-8⅞"
42"	14'-6"	4'-2⅝"
48"	18'-4"	4'-10⅝"

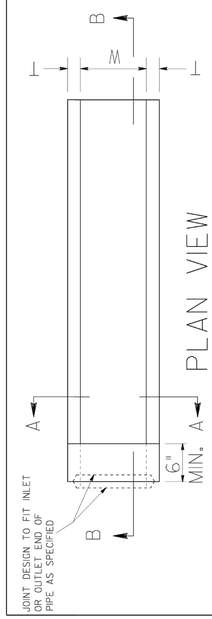
TYPICAL GRATE WIDTHS SHOWN ARE MEASURED FROM INSIDE TO INSIDE OF THE ⅜ THICK ANGLE IRON. GRATE FIT WITH END SECTION SHALL BE CHECKED BEFORE DELIVERY.

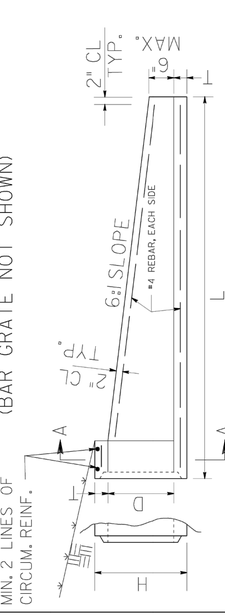
PIPE DIA	T (MIN)	D	H	L
15"	3"	15"	21"	4'-6"
18"	3"	18"	24"	6'-0"
24"	3"	24"	30"	9'-0"
30"	4"	30"	38"	12'-6"
36"	4"	36"	44"	15'-6"
42"	4"	42"	50"	18'-6"
48"	5"	48"	58"	22'-0"

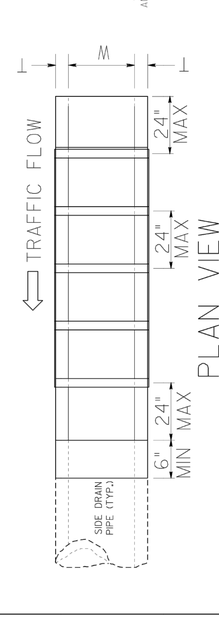
ALTERNATE 3

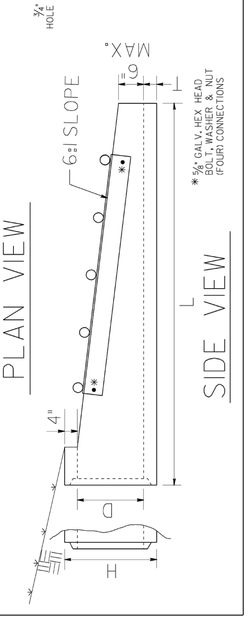












STATE	PROJECT NUMBER	SHEET TOTAL NO. SHEETS
GA.		

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD SAFETY END SECTION (CONCRETE)
(FOR SIDE DRAIN PIPE-OR FOR STORM DRAIN PIPE PARALLEL TO MAINLINE)
ALTERNATE 3

NO SCALE — OCT., 2000

SUBMITTED FOR STATE ROAD & JURISDICTION DESIGN ENGINEER
APPROVED FOR CHIEF ENGINEER

NUMBER 1122

SHEET 3 OF 3

DATE	REVISION	BY
1-28-05	REVISED TO 1122 PAGE 3	

DESIGNED
DRAWN
TRACED
CHECKED

C.L.C.

DATE	REVISIONS	BY

HARRIS GRAY, LLC
ENGINEERS • SURVEYORS • PLANNERS
CERTIFICATE OF AUTHORIZATION NO. PEF006540
824 THIRD AVENUE • WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

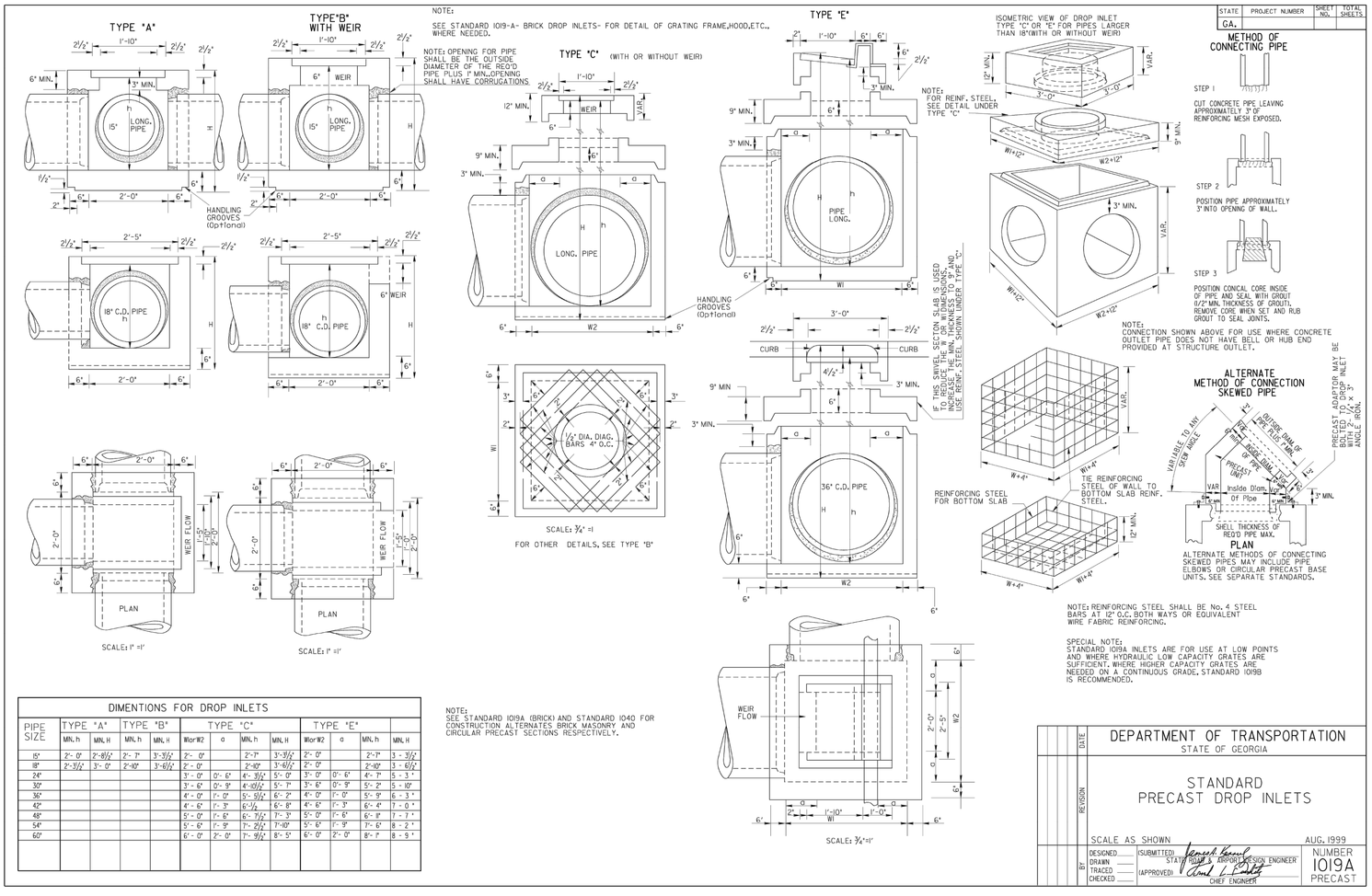
Troup County
Fire Station

CONSTRUCTION DETAILS

DATE 10/7/25
DRAWN BY JAM
CHKD BY JSH
FILE NAME DTLS
JOB NO. GA250193

GEORGIA REGISTERED PROFESSIONAL ENGINEER JOHN SCOTT HARRIS No. PEF006486 10-10-25
GSWCC LEVEL II # 4456

SHT. 16 OF 21



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DIMENTIONS FOR DROP INLETS

PIPE SIZE	TYPE "A"		TYPE "B"		TYPE "C"				TYPE "E"			
	MIN. h	MIN. H	MIN. h	MIN. H	W or W2	a	MIN. h	MIN. H	W or W2	a	MIN. h	MIN. H
15"	2'- 0"	2'-8½"	2'- 7"	3'-3½"	2'- 0"		2'-7"	3'-3½"	2'- 0"		2'-7"	3 - 3½"
18"	2'-3½"	3'- 0"	2'-10"	3'-6½"	2'- 0"		2'-10"	3'-6½"	2'- 0"		2'-10"	3 - 6½"
24"					3'- 0"	0'- 6"	4'- 3½"	5'- 0"	3'- 0"	0'- 6"	4'- 7"	5 - 3 "
30"					3'- 6"	0'- 9"	4'-10½"	5'- 7"	3'- 6"	0'- 9"	5'- 2"	5 - 10"
36"					4'- 0"	1'- 0"	5'- 5½"	6'- 2"	4'- 0"	1'- 0"	5'- 9"	6 - 3 "
42"					4'- 6"	1'- 3"	6'-1"	6'- 8"	4'- 6"	1'- 3"	6'- 4"	7 - 0 "
48"					5'- 0"	1'- 6"	6'- 7½"	7'- 3"	5'- 0"	1'- 6"	6'- 8"	7 - 7 "
54"					5'- 6"	1'- 9"	7'- 2½"	7'-10"	5'- 6"	1'- 9"	7'- 5"	8 - 2 "
60"					6'- 0"	2'- 0"	7'- 9½"	8'- 5"	6'- 0"	2'- 0"	8'- 1"	8 - 9 "

DATE	REVISION	BY

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
PRECAST DROP INLETS

SCALE AS SHOWN — AUG. 1999

DESIGNED — (SUBMITTED)
DRAWN — STATE BRIDGE & STRUCTURAL DESIGN ENGINEER
TRACED — (APPROVED)
CHECKED — CHIEF ENGINEER

NUMBER 1019A PRECAST

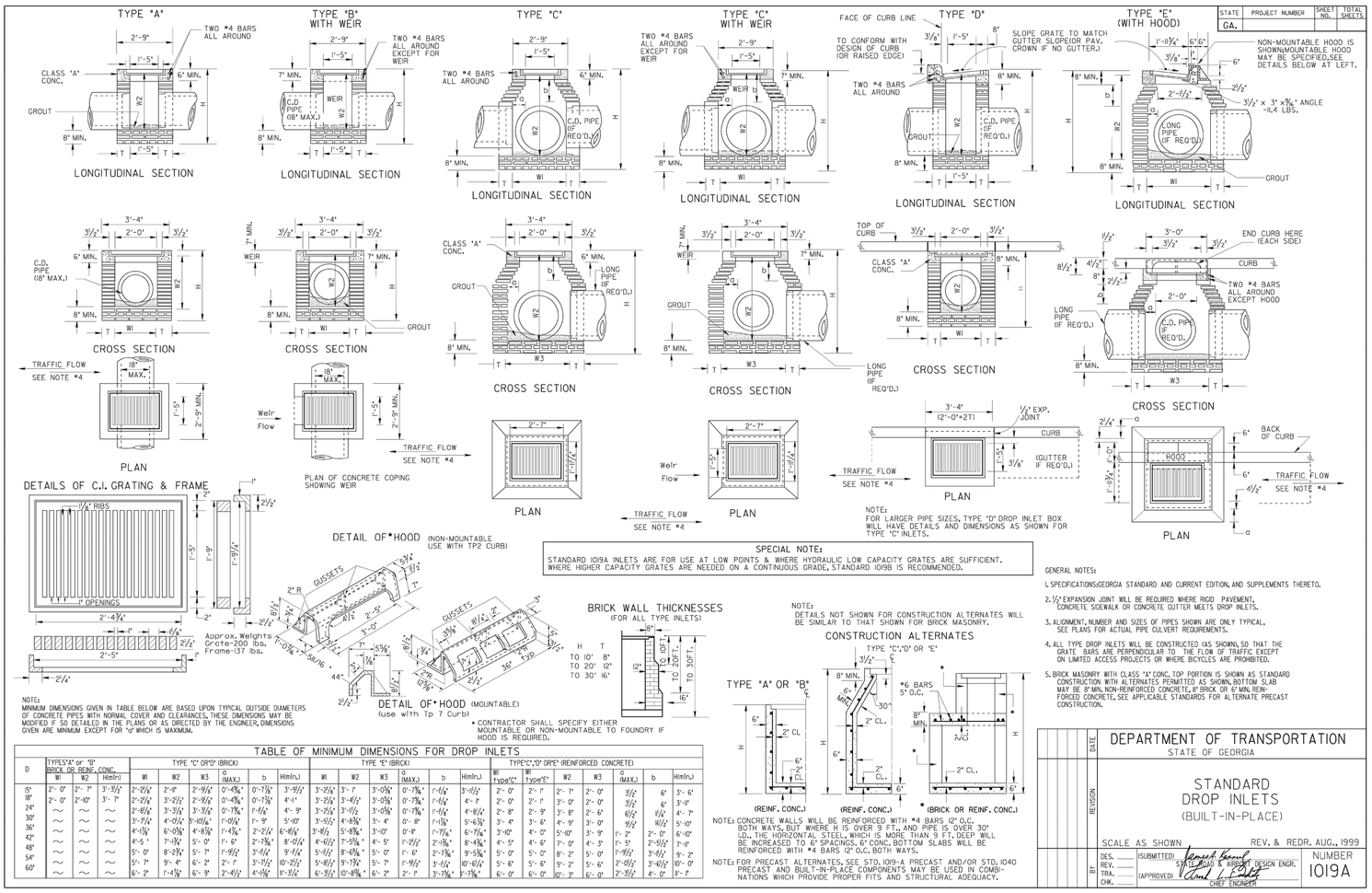


TABLE OF MINIMUM DIMENSIONS FOR DROP INLETS

D	TYPES "A" or "B" BRICK or REINF. CONC.			TYPE "C" OR "D" (BRICK)					TYPES "C","D" OR "E" (REINFORCED CONCRETE)							
	W	W2	H MIN'D	W	W2	W3	G (MAX.)	b	H MIN'D	W	W2	W3	G (MAX.)	b	H MIN'D
15"	2'- 0"	2'- 7"	3'-3½"	2'-2½"	2'-8"	2'-9¼"	0'-4⅝"	0'-7⅝"	3'-8½"	3'-2½"	3'- 1"	3'-0⅝"	0'-7⅝"	1'-1⅛"	3'-8½"	3'- 6"
18"	2'- 0"	2'-10"	3'- 7"	2'-2½"	3'-2½"	2'-9¼"	0'-4⅝"	0'-7⅝"	4'-1"	3'-2½"	3'-4½"	3'-0⅝"	0'-7⅝"	1'-1⅛"	4'- 1"	3'-10"
24"	~	~	~	2'-8½"	3'-3½"	3'-3½"	0'-7⅝"	1'-1⅛"	4'- 9"	3'-2½"	3'-4½"	3'-0½"	0'-7⅝"	1'-1⅛"	4'-8½"	4'- 7"
30"	~	~	~	3'-1½"	4'-0½"	3'-9½"	1'-0⅛"	1'- 9"	5'-10"	3'-5½"	4'-0½"	3'- 4"	0'- 8"	1'-1⅝"	5'-6⅞"	5'-10"
36"	~	~	~	4'-1½"	4'-10½"	4'-3⅝"	1'-4⅛"	2'-2¼"	6'-4⅝"	3'-8½"	5'-4⅝"	3'- 7"	0'-11"	1'-7⅛"	6'-1⅝"	6'-10"
42"	~	~	~	4'-5"	5'-7½"	5'- 0"	1'- 6"	2'-7⅝"	8'-0½"	4'-0½"	5'-10½"	3'- 9"	1'- 1"	2'-3⅛"	8'-4⅜"	8'-1"
48"	~	~	~	5'- 0"	6'-2½"	5'- 7"	1'-9½"	3'-0¼"	9'-4⅝"	4'-5½"	6'-4½"	3'-10½"	1'- 4"	2'-8⅝"	9'-5⅝"	9'- 2"
54"	~	~	~	5'- 7"	6'-10½"	6'- 2"	2'- 1"	3'-5½"	10'-0½"	4'-10½"	6'-10½"	4'- 0"	1'- 7"	3'-1⅛"	10'-6⅛"	10'- 0"
60"	~	~	~	6'- 2"	7'-6½"	6'- 9"	2'-4½"	4'-1⅜"	11'-3⅛"	5'-3½"	7'-3½"	4'- 3"	1'- 9"	3'-7⅛"	11'-1⅝"	11'- 1"

DATE	REVISION	BY

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
DROP INLETS
(BUILT-IN-PLACE)

SCALE AS SHOWN — REV. & REDR. AUG., 1999

DES. — (SUBMITTED)
REV. — STATE BRIDGE & STRUCTURAL DESIGN ENGR.
TRA. — (APPROVED)
CHK. — CHIEF ENGINEER

NUMBER 1019A

SHT. 17 OF 21

GEORGIA REGISTERED PROFESSIONAL ENGINEER SCOTT HARRIS 10-25 GGNSC-CERT.# 4466

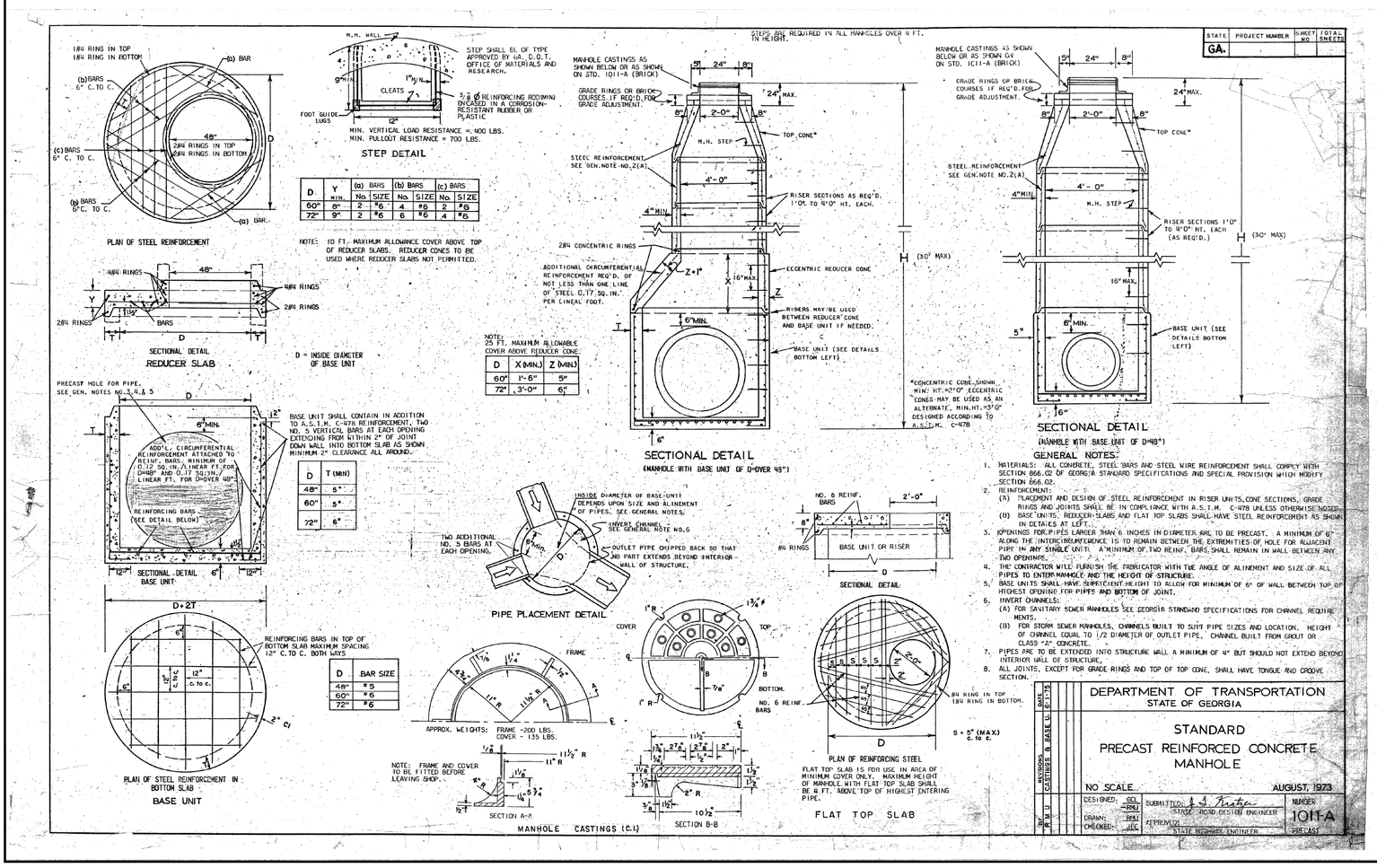
DRAWN BY JAM
CHKD BY JSH
FILE NAME DTIS
JOB NO. 0042501193
DATE 10/25

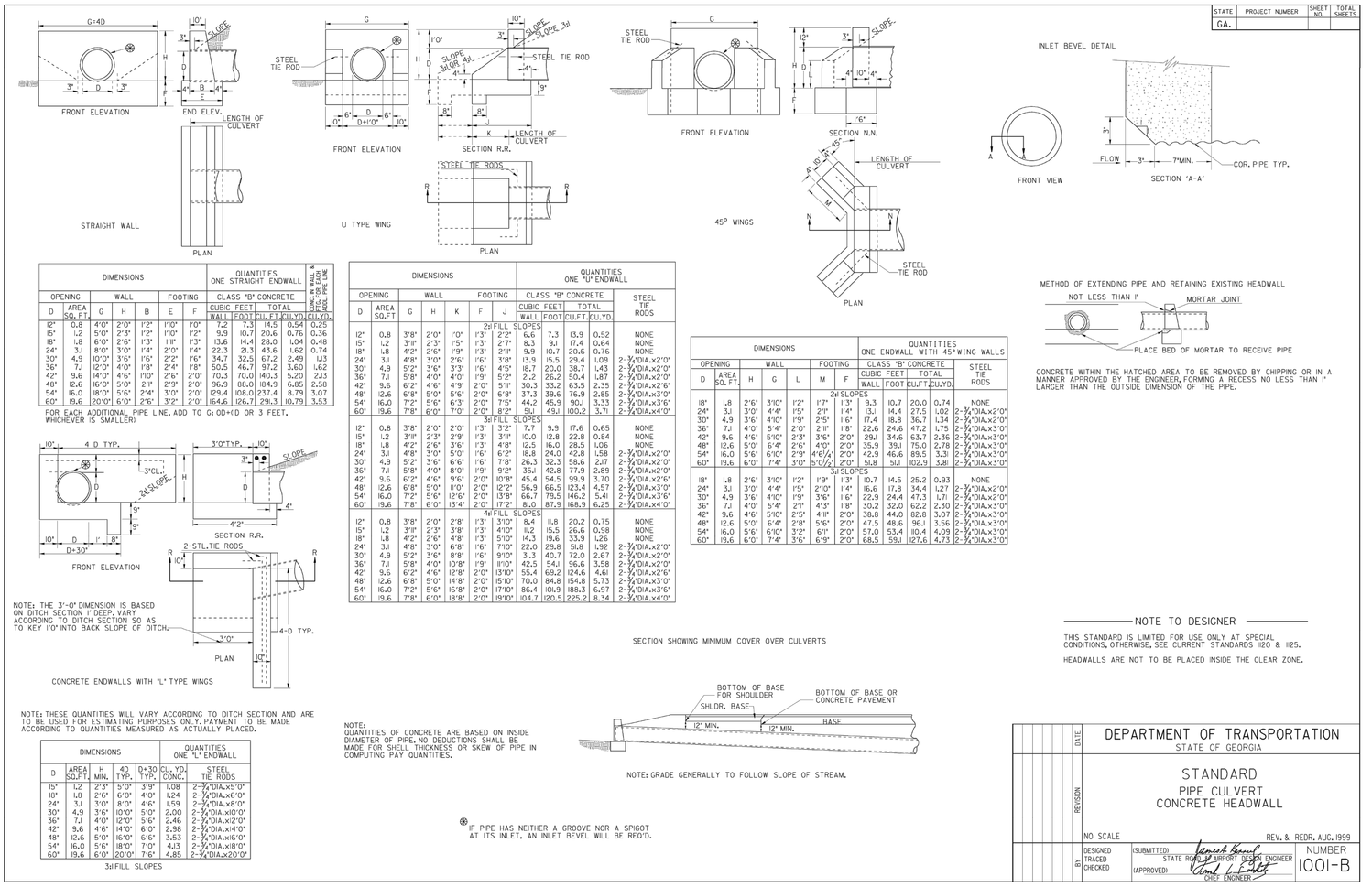
Troup County
Fire Station

CONSTRUCTION DETAILS

HARRIS GRAY, LLC
ENGINEERS • SURVEYORS • PLANNERS
CERTIFICATE OF AUTHORIZATION NO: PEF006540
924 THIRD AVENUE • WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

DATE	REVISIONS	BY



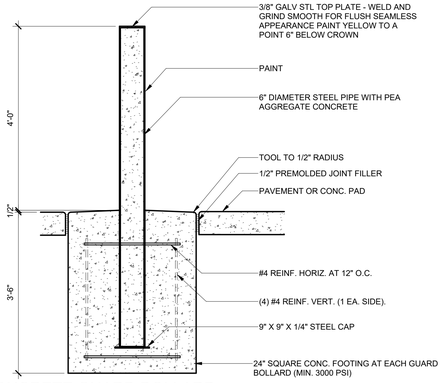


SHT. 18 OF 21	GEORGIA REGISTERED LANDSCAPE ARCHITECT SCOTT HARRIS 10-10-25 GSWCC LEVEL II # 4466	DRAWN BY JAM 10/7/25 · CHKD BY JSH · FILE NAME DTLS · JOB NO. G24251193

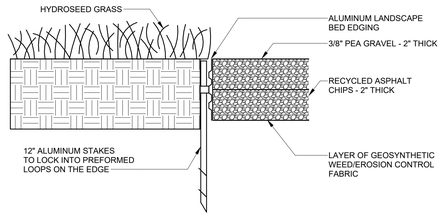
Troup County
Fire Station
CONSTRUCTION DETAILS

HARRIS GRAY, LLC
ENGINEERS • SURVEYORS • PLANNERS
CERTIFICATE OF AUTHORIZATION NO: PEF006540
924 THIRD AVENUE • WEST POINT, GEORGIA 31833
PHONE: (706) 645 - 5885

DATE	REVISIONS	BY



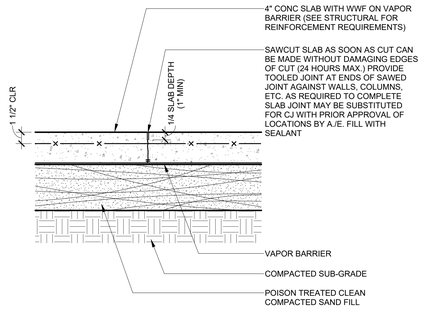
1 SP1.2 **CONCRETE GUARD BOLLARD**
SCALE: 3/4" = 1'-0"



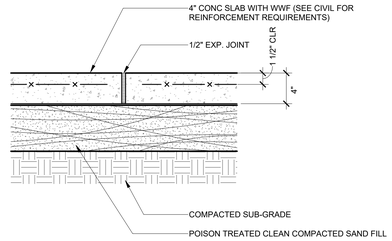
NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. 16'-0" SECTIONS TO INCLUDE (5) 12" ALUMINUM STAKES.
3. COMPACT GRADE ADJACENT TO EDGING TO AVOID SETTLING. FINISH GRADE TO BE 1/2" (1.3 cm) BELOW TOP OF EDGING.
4. CORNERS - CUT BASE EDGING UP HALF WAY AND FORM A CONTINUOUS CORNER.

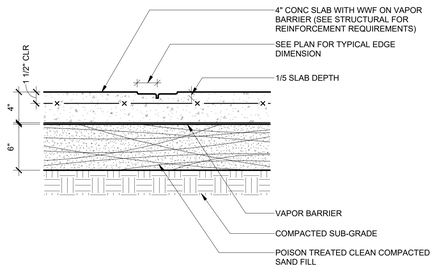
2 SP1.2 **EDGE DETAIL**
SCALE: 3" = 1'-0"



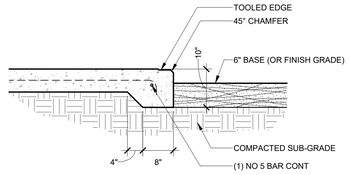
3 SP1.2 **TYPICAL SAW JOINT**
SCALE: 1 1/2" = 1'-0"



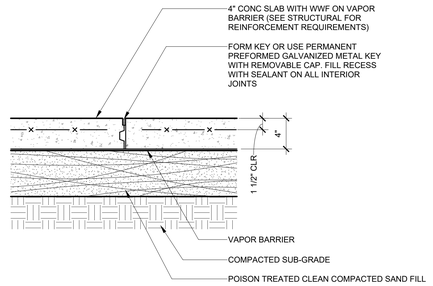
4 SP1.2 **TYPICAL EXPANSION JOINT**
SCALE: 1 1/2" = 1'-0"



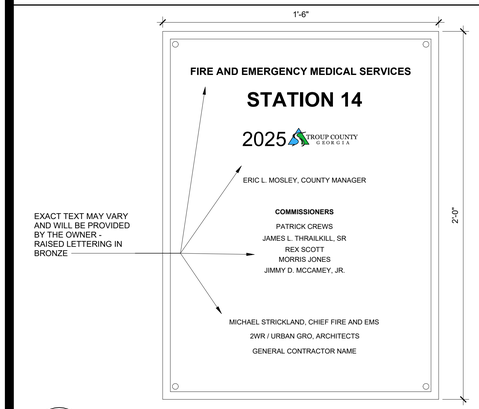
5 SP1.2 **TYPICAL TOOLED JOINT**
SCALE: 1 1/2" = 1'-0"



6 SP1.2 **THICKENED TOOLED EDGE DETAIL**
SCALE: 3/4" = 1'-0"

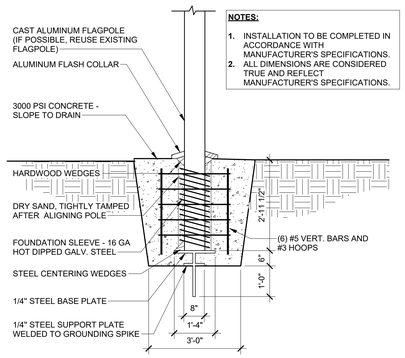


7 SP1.2 **TYPICAL CONSTRUCTION JOINT**
SCALE: 1 1/2" = 1'-0"



8 SP1.2 **BRONZE DEDICATION PLAQUE BY OWNER**
SCALE: 3" = 1'-0" PROVIDED BY OWNER - INSTALLED BY CONTRACTOR

9 SP1.2 **PLAQUE LOGO BY OWNER**
SCALE: 1 1/2" = 1'-0" PROVIDED BY OWNER - INSTALLED BY CONTRACTOR



10 SP1.2 **FLAG POLE BASE**
SCALE: 1/2" = 1'-0"

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

Project No.: 24-01977
Date: 10/10/2025
Drawn by: XXX
Checked by: XXX
Revisions:

No.	Date	Description

SITE DETAILS

SP1.2

PRINTED: 10/10/2025 3:02:00 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

1 FLOOR PLAN 7,552 SQUARE FEET ENCLOSED

1/8" = 1'-0"

GENERAL CONSTRUCTION NOTES

A. DIMENSIONS TO NEW CONSTRUCTION ARE MEASURED FROM FACE OF STUD OR FACE OF MASONRY, TYP (UNO). DIMENSIONS TO EXISTING ELEMENTS ARE MEASURED FROM FINISH FACE, TYP (UNO).

B. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF FIRE AND SMOKE WALLS AND COMPARTMENTATION DESIGNATIONS AND FOR CONSTRUCTION INFORMATION RELATED TO SMOKE WALLS.

C. REFER TO FINISH PLAN FOR FREE STANDING FURNISHINGS.

D. REFER TO ENLARGED TOILET PLANS FOR DIMENSIONS IN TOILET ROOM AREAS.

E. REFER TO SHEET A9.1 FOR REFLECTED CEILING PLANS AND TYPICAL CEILING NOTES.

F. ALL INTERIOR CMU WALLS ARE 8 X 8 X 16 EXCEPT WHERE ESPECIFICALLY NOTED OR INDICATED OTHERWISE. REFER TO WALL SECTION, DETAILS, AND STRUCTURAL DRAWINGS FOR DESIGNATION OR EXTERIOR CMU WALLS. CONTACT ARCHITECT PRIOR TO PROCEEDING WITH WORK IF CONFLICTS EXISTS.

G. PROVIDE BULL NOSE CMU AT ALL INTERIOR EXPOSED OUTSIDE CORNER CONDITIONS, INCLUDING DOOR, WINDOW JAMBS, AND SILLS.

H. PAINT ALL EXPOSED STRUCTURE, DUCTWORK, CABLING, CONDUIT, AND SPRINKLERS IN AREAS WITHOUT CEILINGS AS DIRECTED BY ARCHITECT.

I. REFER TO BUILDING ELEVATIONS FOR ALL BRICK EXPANSION JOINTS (BEJ) LOCATIONS NOT INDICATED ON PLANS. CMU CONTROL JOINTS OCCUR AT BEJ LOCATIONS.

KEYED CONSTRUCTION NOTES

* = APPLIANCES CONTRACTOR PROVIDED AND INSTALLED

1 *SHIFT REFRIGERATOR / FREEZER - TYP. OF 3. SEE SPECIFICATIONS

2 *OVEN / RANGE / HOOD / FIRE SUPPRESSION SYSTEM. SEE SPECIFICATIONS.

3 *RESIDENTIAL WASHER. SEE SPECIFICATIONS.

4 *RESIDENTIAL DRYER SEE SPECIFICATIONS.

5 *GEAR LOCKER (18 TOTAL). SEE SPECIFICATIONS.

6 *WARDROBE LOCKER (3 PER DORM ROOM). SEE SPECIFICATIONS

7 *GEAR EXTRACTOR ON THICKENED 8" SLAB - SEE SPECIFICATIONS

8 *ICE MAKER. SEE SPECIFICATIONS

9 PROVIDE EYE WASH. COORDINATE WITH PLUMBING DRAWINGS.

10 PROVIDE ELECTRIC WATER HEATER. COORDINATE WITH PLUMBING AND ELECTRICAL DRAWINGS.

11 PROVIDE SINGLE ELECTRIC WATER COOLER WITH BOTTLE FILLER. COORDINATE WITH PLUMBING AND ELECTRICAL DRAWINGS.

12 PROVIDE 30' H FLAG POLE.

13 PROVIDE UTILITY SINK. COORDINATE WITH PLUMBING.

14 PROVIDE MOP AND BROOM HOLDER.

15 PROVIDE CONCRETE FILLED PIPE COLUMN - GUARD BOLLARD. SEE DETAILS

16 CONTINUOUS TRENCH DRAIN SYSTEM. SLOPE CONCRETE 1/8" / FT MIN. TO DRAIN

17 HOSE BIBB. COORDINATE WITH PLUMBING DRAWINGS.

18 RECESSED SLAB FOR TILE FLOOR.

19 PROVIDE GAS COCK VALVE FOR OWNER SUPPLIED AND INSTALLED GAS GRILL.

20 EMERGENCY SHOWER - BUILT-IN.

21 PROVIDE 4" THICK EXTERIOR CONCRETE SLAB (BROOM FINISH / SLOPED TO DRAIN) WHERE SHOWN ON FLOOR PLANS AS PART OF THE PROTOTYPE PACKAGE. CONTINUATION OF SIDEWALKS, PAVING, CURB AND GUTTER, ETC. OUTSIDE OF THESE SLABS SHALL BE PRICED AS PART OF THE SEPARATE SITE PACKAGE.

22 4'-0" DIA. 14 GAUGE ALUMINUM SIGNAGE ON 1" STANDOFFS - OWNER WILL PROVIDE ARTWORK FOR 4 COLOR PAINTED LOGO - SIGNAGE BY GC.

23 18" X 24" CAST BRONZE DEDICATION PLAQUE - OWNER WILL PROVIDE VERBIAGE.

24 THIS PARTITION GOES TO THE ROOF DECK

25 PROVIDE SPLASH BLOCKS AT ALL DOWNSPOUT LOCATIONS

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	10/10/2025
Drawn by:	WAG
Checked by:	WAG
Revisions:	

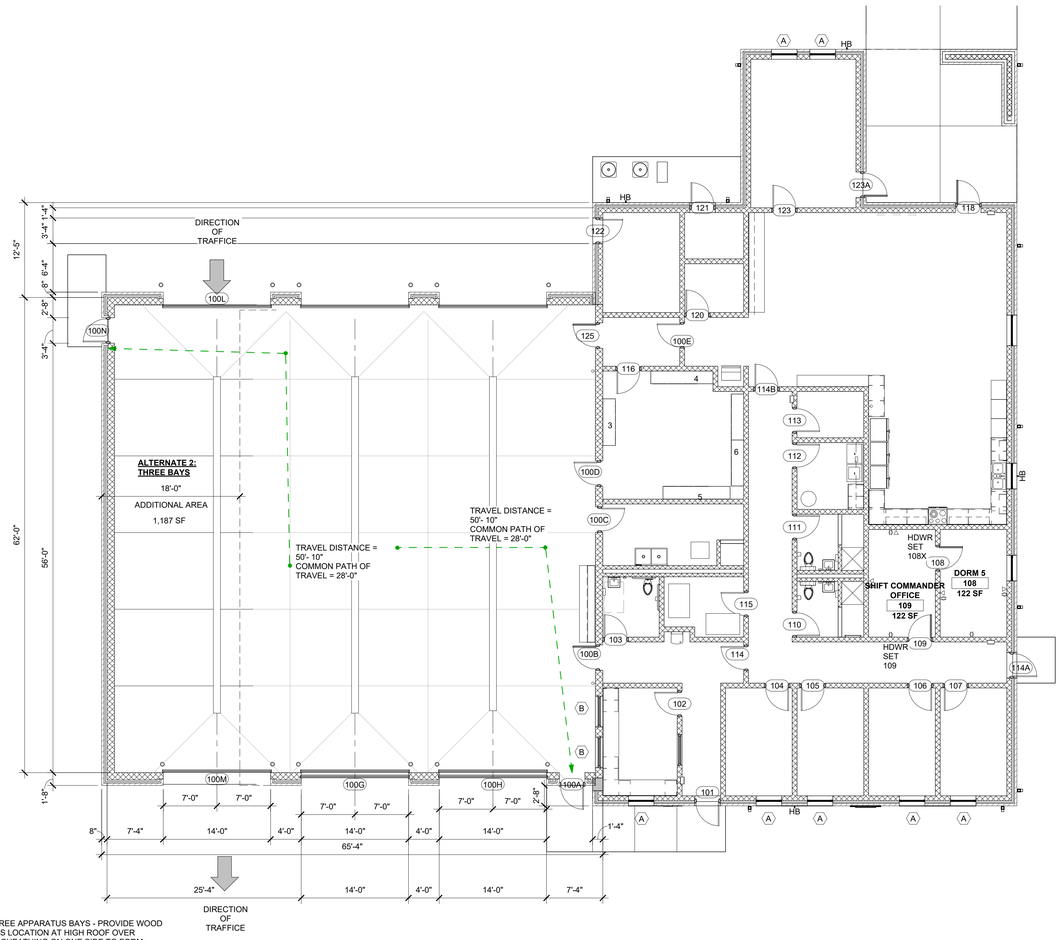
No.	Date	Description

FLOOR PLAN W/ ALTERNATE 1

A1.1

PRINTED: 10/10/2025 3:02:02 PM

FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

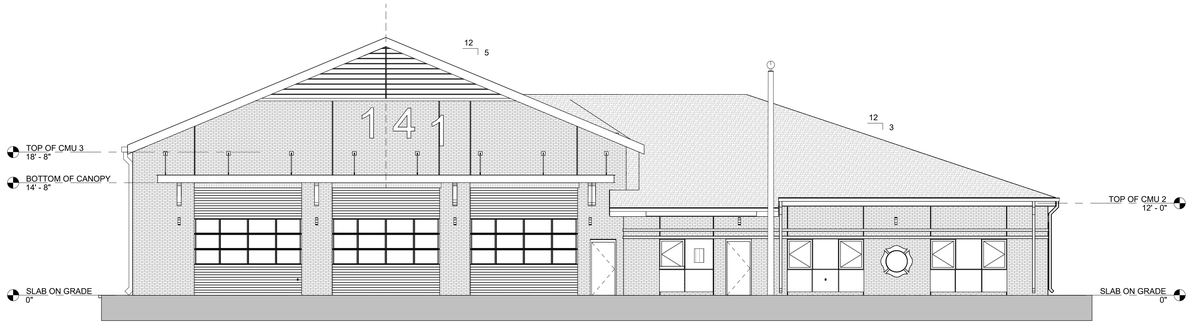


1 GC NOTE: ON ALTERNATE 2: THREE APPARATUS BAYS - PROVIDE WOOD FRAME PARTITION WITHIN TRUSS LOCATION AT HIGH ROOF OVER APPARATUS BAY WITH GYPSUM SHEATHING ON ONE SIDE TO FORM DRAFTSTOP FOR ATTIC OVER APPARATUS BAY - PARTITION SHALL DIVIDE ATTIC INTO AREAS UNDER 3,000 SF.

1 A1.1A FLOOR PLAN ALTERNATE 2 - 3 APPARATUS BAYS

SCALE: 1/8" = 1'-0"

8,640 SQUARE FEET ENCLOSED



4 A1.1A SOUTH ELEVATION ALTERNATE 4

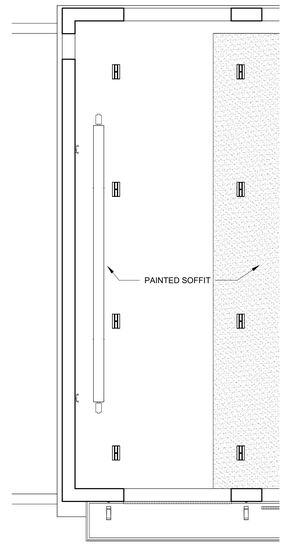
SCALE: 1/8" = 1'-0"

LIST OF ALTERNATES:

ALTERNATE 1:
ADD CASCADE ROOM AS SHOWN ON SHEET A1.1

ALTERNATE 2:
EXPAND THE APPARATUS BAY TO INCLUDE THREE BAYS AS SHOWN

NOTE TO BIDDERS:
THESE PLANS WERE PREPARED AS A PROTOTYPE WITH ADDITIONAL ATERNATES - THE MEP DOCUMENTS WILL STILL DETAIL ADDITIONAL ALTERNATES MISNUMBERED. THE SHIFT COMMANDER'S OFFICE AND DORM ARE TO BE INCLUDED WITHIN THE BASE BID (FORMER ALTERNATE 3)



7 A1.1A RCP - ALTERNATE 4

SCALE: 1/8" = 1'-0"

PROVIDE WARDROBE LOCKERS IN ROOM 2
ELECTRICAL IN PLACE FOR DESK AND CREDENZA
CEILING FANS

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	10/10/2025
Drawn by:	WAG
Checked by:	XXX

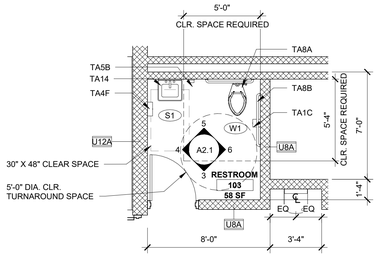
Revisions:

No.	Date	Description

FLOOR PLAN ALTERNATES

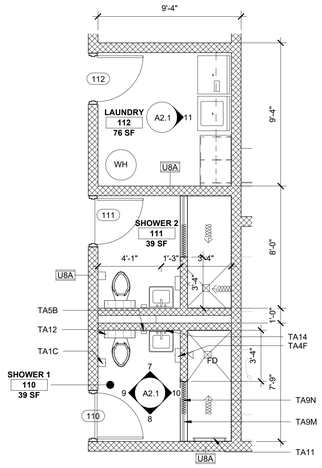
A1.1A

PRINTED: 10/10/2025 3:02:05 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt



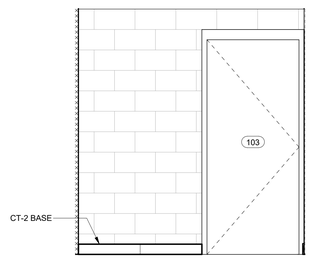
1 A2.1 ENLARGED PLAN - ROOM 103

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



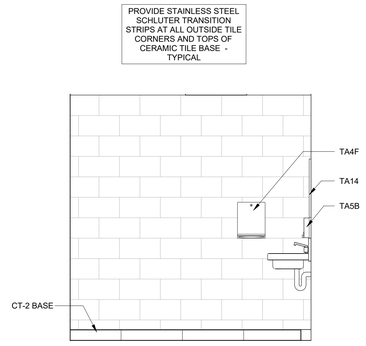
2 A2.1 ENLARGED PLAN - ROOM 110 AND 111

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



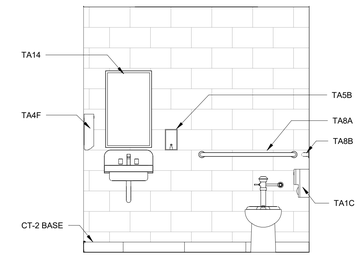
3 A2.1 ROOM 103 SOUTH ELEVATION

SCALE: 1/2" = 1'-0"



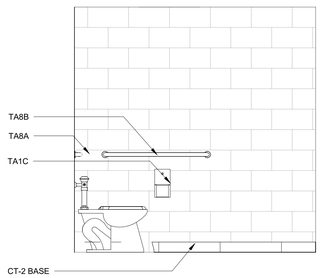
4 A2.1 ROOM 103 WEST ELEVATION

SCALE: 1/2" = 1'-0"



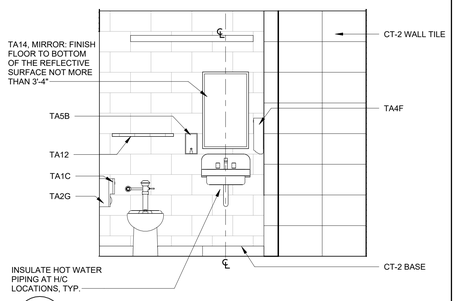
5 A2.1 ROOM 103 NORTH ELEVATION

SCALE: 1/2" = 1'-0"



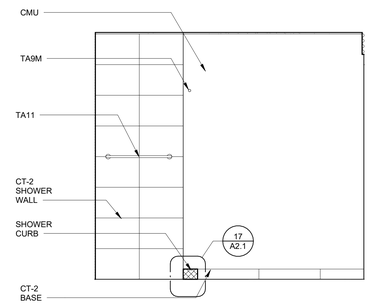
6 A2.1 ROOM 103 EAST ELEVATION

SCALE: 1/2" = 1'-0"



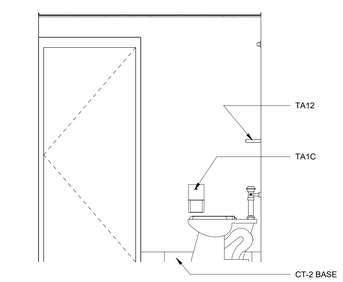
7 A2.1 ROOM 110 NORTH ELEVATION

SCALE: 1/2" = 1'-0"



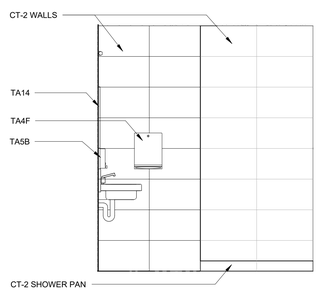
8 A2.1 ROOM 110 SOUTH ELEVATION

SCALE: 1/2" = 1'-0"



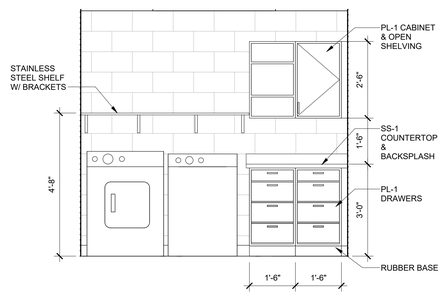
9 A2.1 ROOM 110 WEST ELEVATION

SCALE: 1/2" = 1'-0"



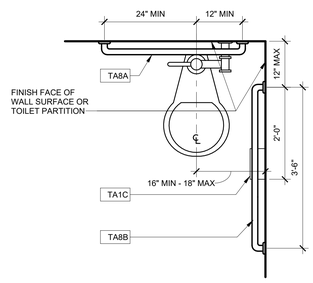
10 A2.1 ROOM 110 EAST ELEVATION

SCALE: 1/2" = 1'-0"



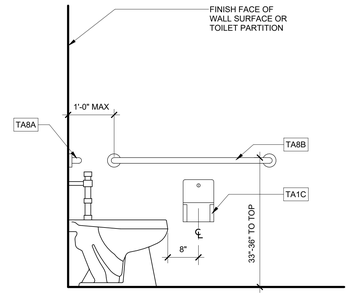
11 A2.1 ROOM 112 LAUNDRY EAST ELEVATION

SCALE: 1/2" = 1'-0"



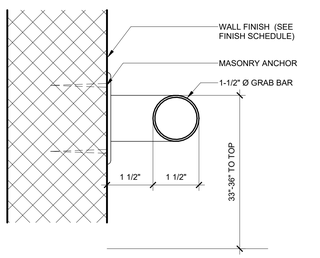
12 A2.1 TYPICAL ADA TOILET PLAN - W1

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



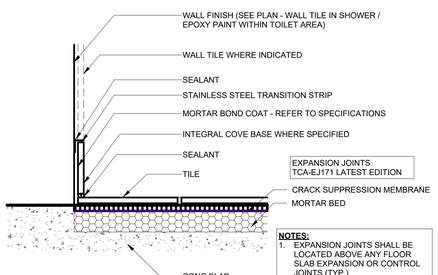
13 A2.1 ADA TOILET ELEVATION TYP.

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



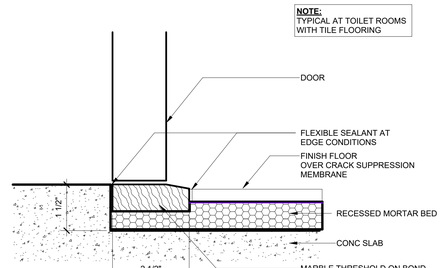
14 A2.1 GRAB BAR MOUNTING, TYP.

SCALE: 6" = 1'-0"



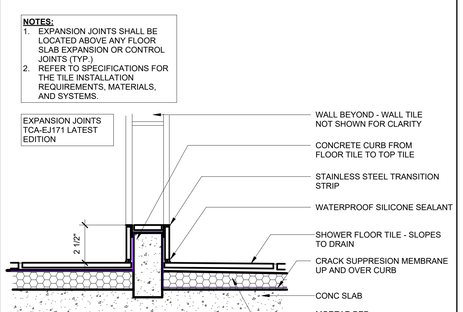
15 A2.1 TILE COVE BASE

SCALE: 3" = 1'-0"



16 A2.1 MARBLE TILE THRESHOLD

SCALE: 6" = 1'-0"



17 A2.1 SHOWER CURB DETAIL

SCALE: 3" = 1'-0"

GENERAL NOTES

1. **COORDINATE WALL FINISHES (TILE, ETC) WITH ALL WALL MOUNTED ACCESSORIES PRIOR TO FINISH INSTALLATION. WHERE ACCESSORIES ARE MOUNTED OVER A FINISH TRANSITION WITH A VARIATION IN THICKNESS, ADJUST ACCORDING TO THE FOLLOWING:**
   OPTION 1 - OMIT FINISH BEHIND ACCESSORY. INSTALL FINISH FLUSH TO EDGES OF ACCESSORY AND PROVIDE WORKMANLIKE EDGES AND TRANSITIONS.
   OPTION 2 - PROVIDE PLYWOOD SHIM BEHIND ACCESSORY TO FLUSH WITH FINISH MATERIAL. SIZE TO BE 1/2" INSET ON ALL SIDES OF ACCESSORY AND PAINT TO MATCH WALL COLOR.
2. **VERIFY ALL TOILET ACCESSORIES WITH OWNER PRIOR TO ORDER AND INSTALLATION. ITEMS MAY NEED TO BE COORDINATED WITH CAMPUS OR CUSTODIAL SERVICE STANDARDS THAT ARE CURRENT AT THE DATE OF INSTALL.**
3. SHOULD ANY DISCREPANCY BE FOUND BETWEEN ITEMS NOTED IN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CONTRACTOR SHALL BRING ITEMS TO THE ATTENTION OF THE ARCHITECT PRIOR TO ORDERING, FABRICATING OR INSTALLING.
4. IF A CONFLICT BETWEEN ANY TOILET ACCESSORIES OCCURS, NOTIFY ARCHITECT FOR DIRECTION PRIOR TO INSTALLATION.
5. INSULATE ALL EXPOSED HOT WATER PIPING.
6. MIRRORS SHALL BE CENTERED OVER SINKS, TYP.
7. ARRANGE ALL BATHROOM ACCESSORIES TO PROVIDE GOOD WORKING CLEARANCES FOR ACCESS TO LOCKS AND FULLY OPEN REFILL POSITIONS.

RE: TOILET ELEVATIONS

1. TYPICAL ELEVATIONS SHOW LOCATION AND MOUNTING HEIGHTS OF TOILET FIXTURES AND ACCESSORIES.
2. DIMENSIONS LOCATING TOILET ACCESSORIES, INCLUDING TOILET PARTITIONS AND URINAL SCREENS, ARE TYPICAL, UNO.
3. WHERE SPECIFIED, TILE SHALL BE CENTERED ON WALL, UNO.

RE: TOILET PLANS

1. ENLARGED TOILET PLANS SHOW LOCATION OF TOILET FIXTURES, ACCESSORIES, AND NOTES. DETAILS INDICATE ACCESSORIES WHICH ARE TO BE PROVIDED AT EACH FIXTURE / STALL. SEE 1/8" FLOOR PLANS FOR ALL INFORMATION REGARDING WALL TYPES, CONSTRUCTION NOTES AND ROOM FINISHES. DIMENSIONS LOCATING TOILET ACCESSORIES AND SCREENS ARE TYPICAL, UNO.
2. **ALL DIMENSIONS SHOWN ON THIS SHEET ARE TO FINISH FACE, UNO.**

TOILET ACCESSORY SCHEDULE

ITEMS REPRESENT BASIS OF DESIGN ONLY. VERIFY WITH OWNER ON ALL ITEMS TO BE PROVIDED AND COORDINATE WITH ANY ADDITIONAL OWNER FURNISHED ITEMS.

MARK	ITEM DESCRIPTION	HANDICAP ACCESSIBLE MOUNTING HEIGHTS
TA1C	SURFACE MTD. TOILET TISSUE DISPENSER (B-4288)	19" TO CENTER
TA4F	SURFACE MOUNTED PAPER TOWEL DISPENSER (B-262)	40" TO PAPER
TA5B	SURFACE MOUNTED SOAP DISPENSER (B-4112)	36" TO BOTTOM OF UNIT
TA14	FIXED MIRROR - 18" x 36" (B-290)	40" TO BOTTOM OF MIRROR
TA8A	36" GRAB BAR (B-6806x36)	SEE DETAILS
TA8B	42" GRAB BAR (B-6806x42)	SEE DETAILS
TA8F	CORNER GRAB BAR (B-6861)	SEE DETAILS
TA9F	HEAVY DUTY STAINLESS STEEL TOWEL BAR (B-205)	48" TO CENTER
TA9M	SHOWER CURTAIN ROD (B-6107x48)	COORD. HT. WITH CURTAIN
TA9N	VINYL SHOWER CURTAIN (204-3)	
TA9R	STAINLESS STEEL SHOWER CURTAIN HOOK (204-1)	
TA10B	COAT HOOK / WALL BUMPER (B-212)	55" AFF
TA11	SURFACE MOUNTED TOWEL SHELF WITH TOWEL BAR (B-676X24)	
TA12	SURFACE MOUNTED TOILETRY SHELF (B-683X24)	

2LR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

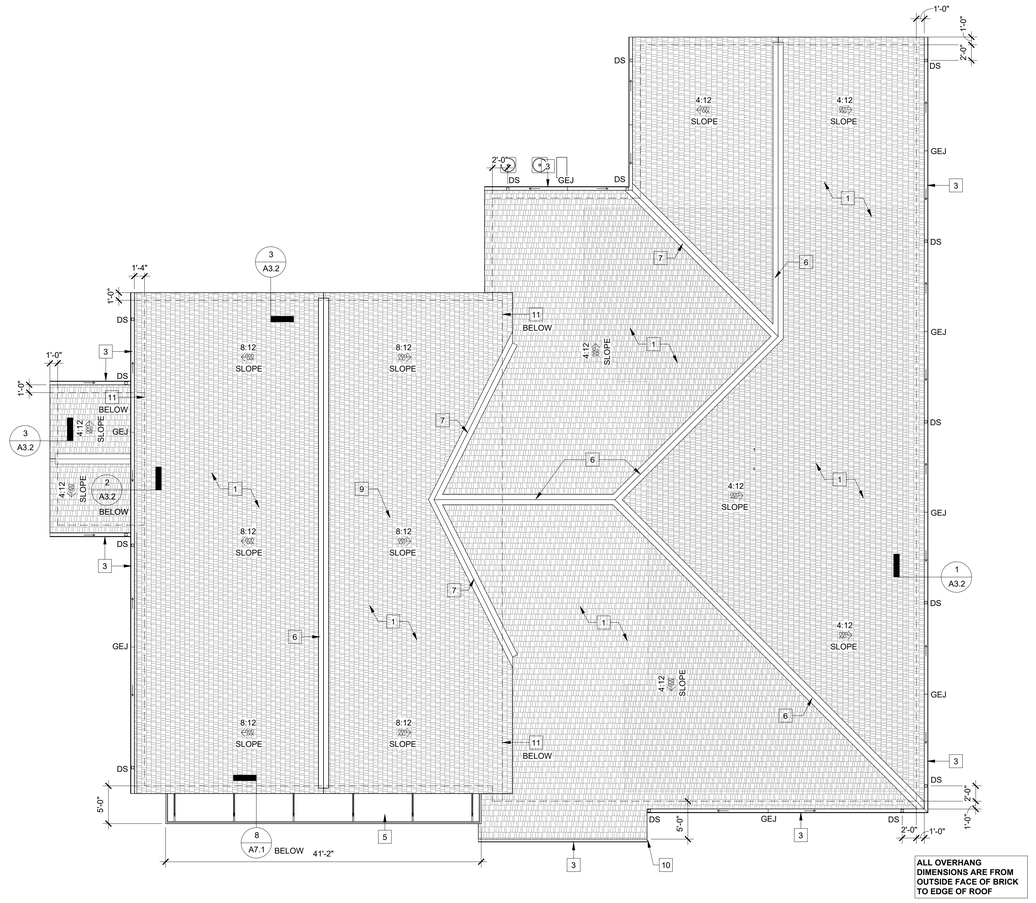
Project No.: 24-01977
Date: 10/10/2025
Drawn by: JW
Checked by: WAG
Revisions:

No.	Date	Description

ENLARGED TOILET PLANS AND DETAILS

A2.1

PRINTED: 10/10/2025 3:02:07 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt



1 A3.1 ROOF PLAN
SCALE: 1/8" = 1'-0"

GENERAL ROOF NOTES

A. SEE MECHANICAL, PLUMBING, AND STRUCTURAL SHEETS FOR LOCATION OF AND COORDINATION OF RESPECTIVE WORK. NOTIFY ARCHITECT IN CASE OF A CONFLICT PRIOR TO BEGINNING WORK.

B. SEE PLUMBING/MECHANICAL DRAWINGS FOR NEW ROOF PENETRATION LOCATIONS AND SIZES.

C. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF INTAKE AND EXHAUST LOUVERS OR FANS.

D. TRUSS SUPPLIER IS RESPONSIBLE FOR TRUSS LAYOUT. ADDITIONAL ROOF TRUSSES SHALL BE ADDED AS REQUIRED. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL ROOF FRAMING. NOTIFY ARCHITECT IN CASE OF A CONFLICT.

E. ALL CONTINUOUS MTL CLEATS OR REVERSE MTL CLEATS SHALL BE A MIN (1) GAUGE HEAVIER THAN SPECIFIED THICKNESS OF MTL FLASHING.

F. ALL ROOFING AND SHEET MTL FLASHING WORK SHALL BE DONE IN ACCORDANCE WITH ALL CURRENT PRACTICES OF SMACNA AND NRCA.

KEYED ROOF NOTES

1. ARCHITECTURAL ASPHALT ROOF SHINGLES ON UNDERLAYMENT. PROVIDE 3/4" PLYWOOD ON R-25 INSULATION - (2) LAYERS OF POLYISO INSULATION WITH STAGGERED JOINTS AND TAPE ALL SEAMS ON SECOND LAYER
2. PROVIDE KICK-OUT FLASHING.
3. PREFINISHED METAL GUTTER AND DOWNSPOUT SYSTEM.
4. LINE OF BUILDING BELOW.
5. PREFINISHED METAL CANOPY SYSTEM. ALIGN WITH CENTER LINE OF CANOPY WITH CENTER LINE OF BUILDING ELEVATION.
6. ROOF RIDGE.
7. ROOF VALLEY.
8. NOT USED.
9. GC NOTE: ON ALTERNATE 4: THREE APPARATUS BAYS - PROVIDE WOOD FRAME PARTITION WITHIN TRUSS LOCATION AT HIGH ROOF OVER APPARATUS BAY WITH GYPSUM SHEATHING ON ONE SIDE TO FORM DRAFTSTOP FOR ATTIC OVER APPARATUS BAY - PARTITION SHALL DIVIDE ATTIC INTO AREAS UNDER 3,000 SF.
10. PROVIDE SCUPPER AT END OF GUTTER.
11. PROVIDE THRU-WALL STEPPED FLASHING WHERE MASONRY INTERSECTS THE SLOPING ROOF. STEPPED FLASHING IN HIGHER COURSES SHOULD OVERLAP THE LAYER OF STEPPED FLASHING BELOW BY 4" MINIMUM. SEE DETAIL 2/A3.2 SIMILAR.
12. THIS AREA REPRESENTS THE OPEN ATTIC AREA OF 2,782 SF - NO ADDITIONAL DRAFT STOP REQUIRED

ROOF LEGEND

VTR	VTR (REFER TO PLUMBING)
RD	ROOF DRAIN
O.F.	OVERFLOW ROOF DRAIN
EF	EXHAUST FAN (REFER TO MECHANICAL)
OS	OVERFLOW SCUPPER
DS	DOWNSPOUT
EJ	ROOF EXPANSION JOINT
0'-0"	ELEVATION OF RAISED ELEMENTS
12 : 3	SLOPE
4:12	SLOPE TO DRAIN

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

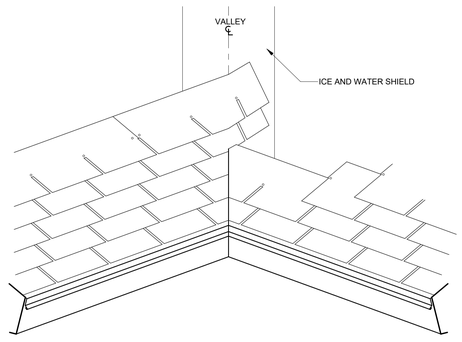
TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

Project No.: 24-01977
Date: 10/10/2025
Drawn by: XXX
Checked by: XXX
Revisions:

No.	Date	Description

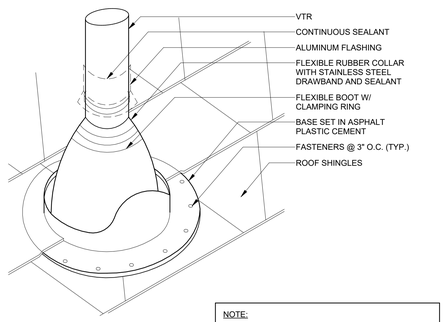
ROOF PLAN

A3.1



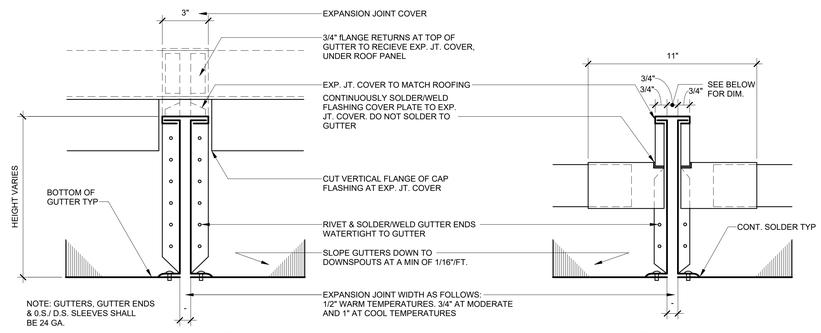
NOTE:
CLOSED-CUT VALLEY APPLICATION IS REQUIRED. LINE VALLEY BY CENTERING 36" WIDE SELF ADHERING ICE AND WATER SHIELD OR ITS EQUIVALENT (APPLY DIRECTLY TO DECK OR BY CENTERING 36" WIDE 50# OR HEAVIET ROLL ROOFING IN THE VALLEY (OVER STANDARD ROOFING UNDERLAYMENT.) APPLICATION OF SHINGLES IN VALLEY IS DONE BY OVERLAPPING AND TRIMMING THE SHINGLES FROM ADJOINING ROOF AREAS AS FOLLOWS: LAY FIRST SHINGLE COURSE ALONG EAVES OF FIRST ROOF AREA AND ACROSS VALLEY INTO THE ADJOINING ROOF AREA AT LEAST 12" PRESS SHINGLES WELL INTO VALLEY, FOLLOW STANDARD FASTENING INSTRUCTIONS EXCEPT THAT NO FASTENERS IS TO BE CLOSER THAN 6" TO VALLEY CENTERLINE. FOLLOW THE SAME PROCEDURE FOR SUCCEEDING COURSES APPLY FIRST COURSE OF SHINGLES ALONG EAVES OF ADJOINING ROOF AREA EXTENDING IT OVER PREVIOUSLY APPLIED SHINGLES AND NEATLY TRIM 1" BACK FROM CENTERLINE OF VALLEY. CUT 1" DIAGONALLY OF UPPER CORNER OF EACH TRIMMED SHINGLE TO DIRECT WATER INTO VALLEY. FOLLOW SAME PROCEDURE FROM SUCCEEDING COURSES OF PER RESPECTIVE MFR RECOMMENDATIONS. IMPORTANT - IN COLD WEATHER (50 DEGREES FAHRENHEIT OR BELOW) STORE SHINGLES IN A HEATED AREA PRIOR TO APPLICATION TO ASSIST IN FORMING PROPERLY.

2 A3.1 SHINGLE VALLEY INSTALLATION
SCALE: 3/4" = 1'-0"



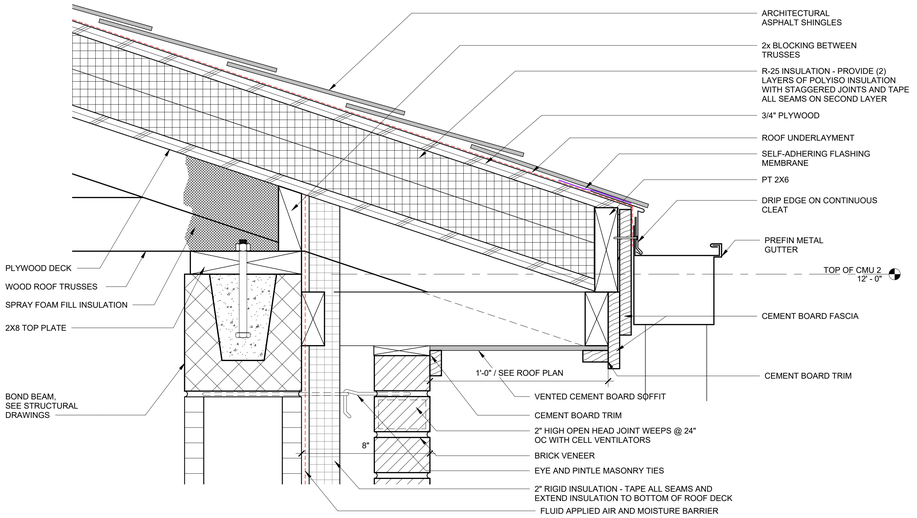
NOTE:
1. PROVIDE CLEARANCE FOR FASTENERS CONNECTING THE FLASHING AND ALLOWANCE SHALL BE PROVIDED FOR THERMAL MOVEMENT OF ROOF AND BASE FLASHING PER MANUF. RECOMMENDATIONS.
2. VTR STACK SHALL BE PAINTED TO MATCH ROOF COLOR (TYP). CONTRACTOR SHALL SUBMIT PAINT MFRS LITERATURE VERIFYING PAINT IS COMPATIBLE W/ VTR MATERIAL.

3 A3.1 SHINGLE VTR DETAIL
SCALE: N.T.S.



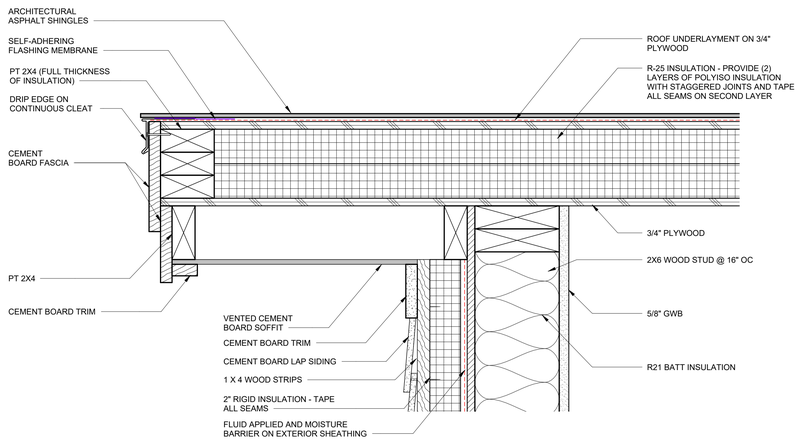
4 A3.1 GUTTER EXPANSION JOINT DETAIL
SCALE: 3" = 1'-0"

PRINTED: 10/10/2025 3:02:08 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt



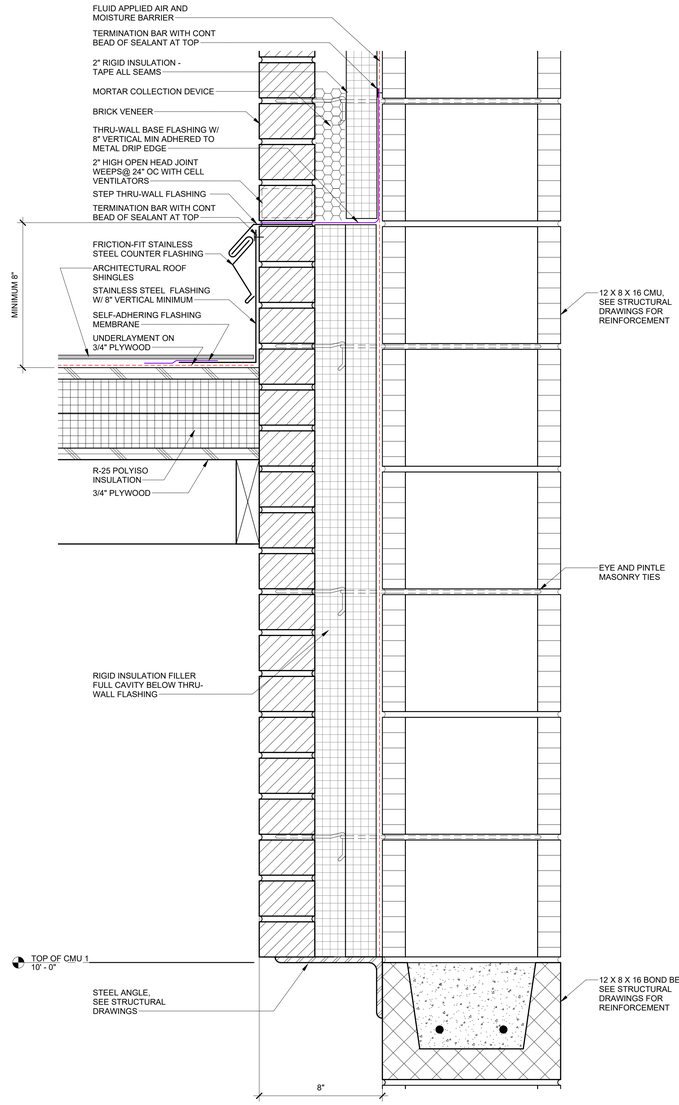
1 / A3.2 ROOF DETAIL

SCALE: 3" = 1'-0"



3 / A3.2 RAKE DETAIL

SCALE: 3" = 1'-0"



2 / A3.2 ROOF FLASHING DETAIL

SCALE: 3" = 1'-0"

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	10/10/2025
Drawn by:	XXX
Checked by:	XXX

Revisions:

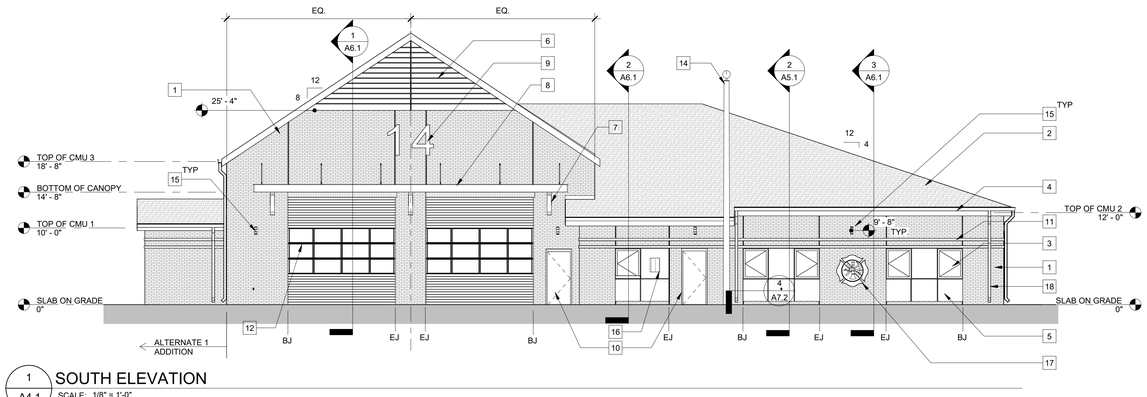
No.	Date	Description

ROOF DETAILS

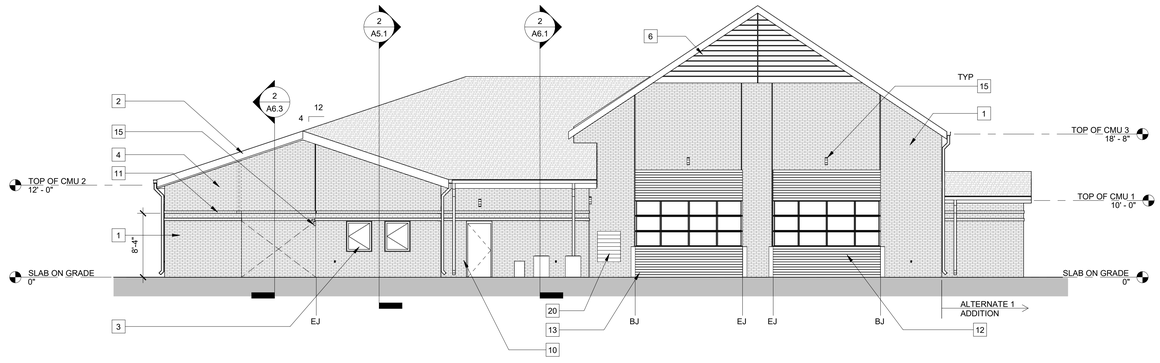
A3.2

PRINTED: 10/10/2025 3:02:09 PM

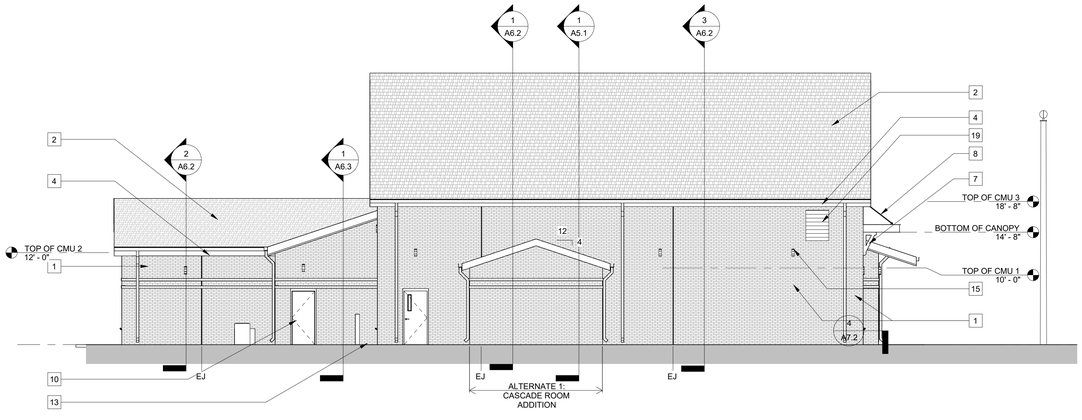
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt



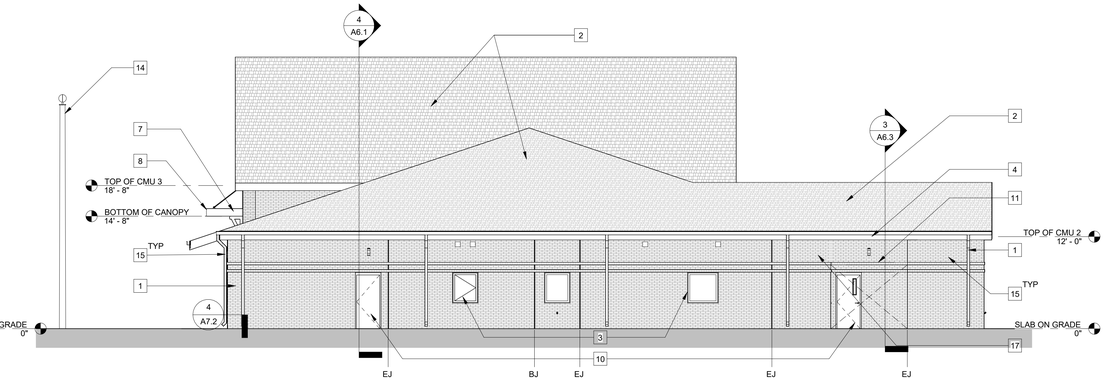
1 A4.1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



2 A4.1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



4 A4.1 WEST ELEVATION
SCALE: 1/8" = 1'-0"



3 A4.1 EAST ELEVATION
SCALE: 1/8" = 1'-0"

KEYED NOTES - THIS PAGE ONLY

1	4" BRICK VENEER
2	ARCHITECTURAL ROOF SHINGLES
3	ALUMINUM STOREFRONT WINDOW GLAZING - 1" INSULATED
4	PREFINISHED ALUMINUM GUTTER SYSTEM
5	CEMENT BOARD PANEL SYSTEM
6	CEMENT BOARD LAP SIDING
7	DECORATIVE BRACKET
8	CANOPY WITH ALUMINUM FACE AND METAL ROOF
9	STATION NUMBER SIGNAGE 48" TALL (NUMERALS WILL VARY)
10	PAINTED HOLLOW METAL DOOR AND FRAME
11	BRICK ROWLOCK
12	GLAZED OVERHEAD DOOR
13	PAINTED STEEL BOLLARD - FILL WITH CONCRETE
14	30' STAINLESS STEEL FLAGPOLE
15	EXTERIOR LIGHT FIXTURE
16	BRONZE DEDICATION PLAQUE
17	PAINTED ALUMINUM LOGO
18	PREFINISHED ALUMINUM DOWN SPOUT
19	LV2 EXHAUST FAN - SEE MECHANICAL
19	LV1 AIR INTAKE GRILL - SEE MECHANICAL

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 019245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

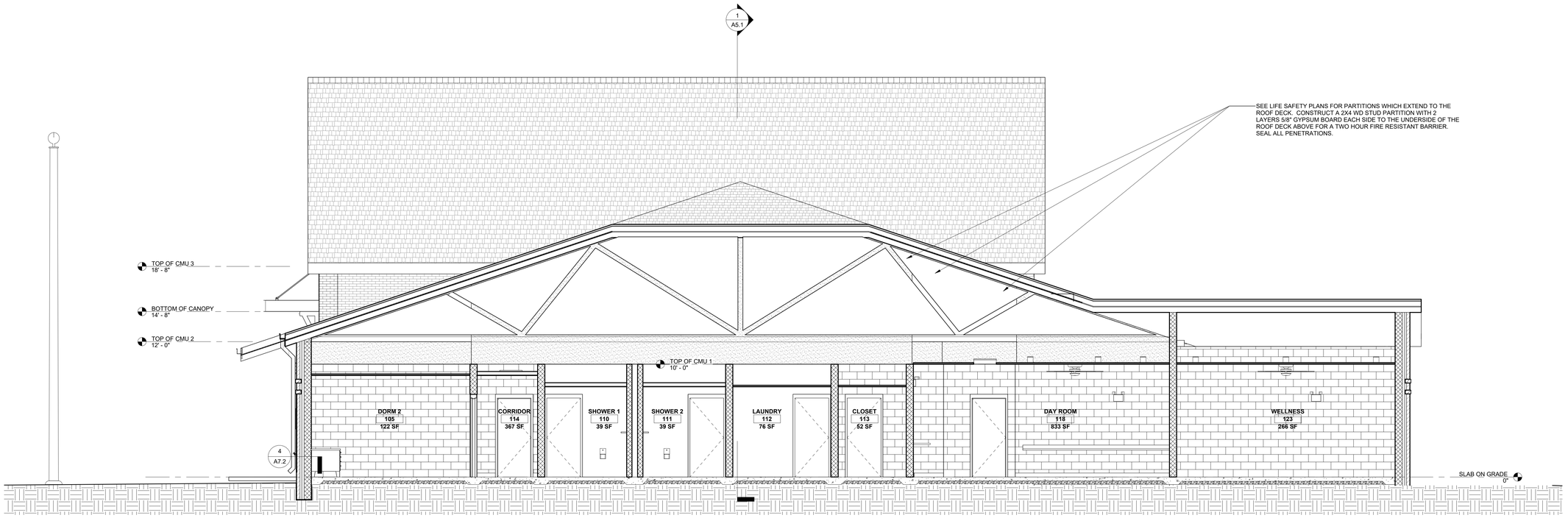
Project No.:	24-01977
Date:	10/10/2025
Drawn by:	WAG
Checked by:	wag
Revisions:	

No.	Date	Description

EXTERIOR ELEVATIONS

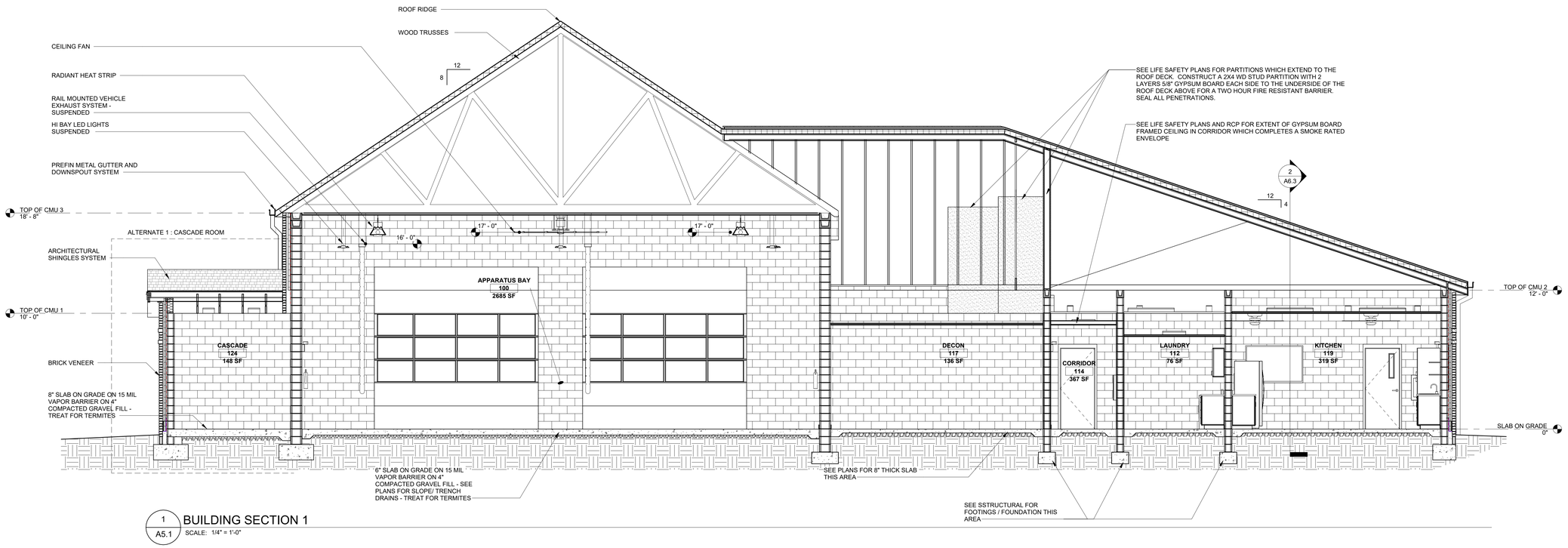
A4.1

PRINTED: 10/10/2025 3:02:13 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station\Troup Co FS Prototype R24 DD.rvt



2 A5.1 BUILDING SECTION 2

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



1 A5.1 BUILDING SECTION 1

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

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	10/10/2025
Drawn by:	XXX
Checked by:	XXX

Revisions:

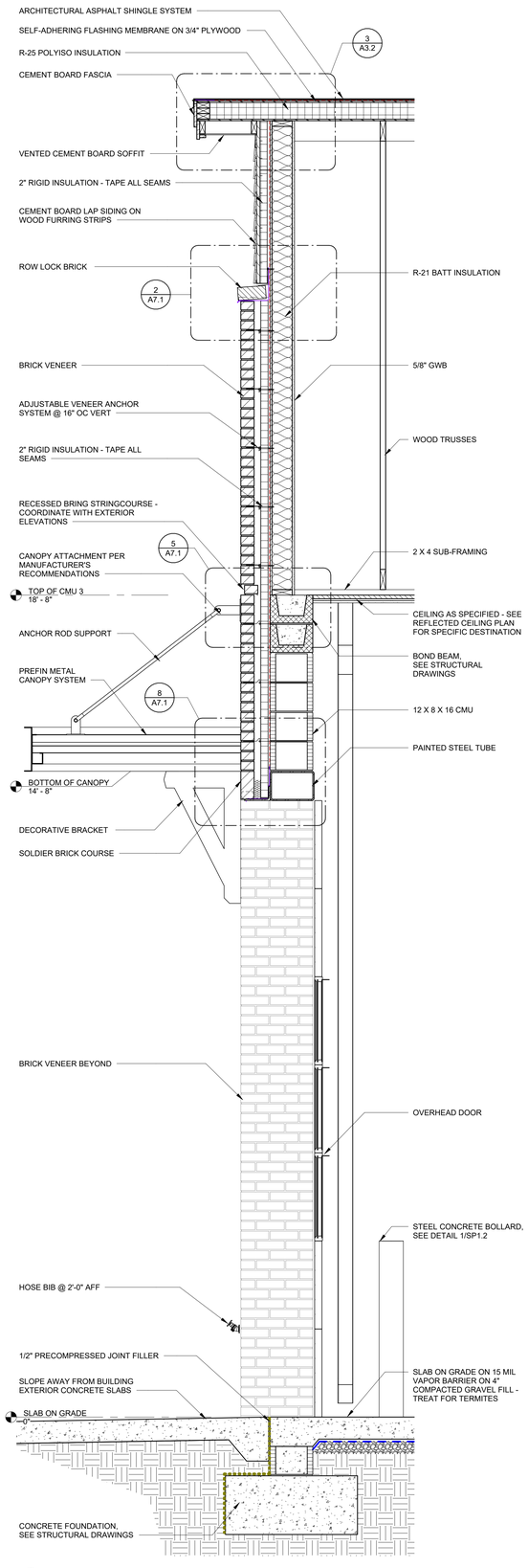
No.	Date	Description

BUILDING SECTIONS

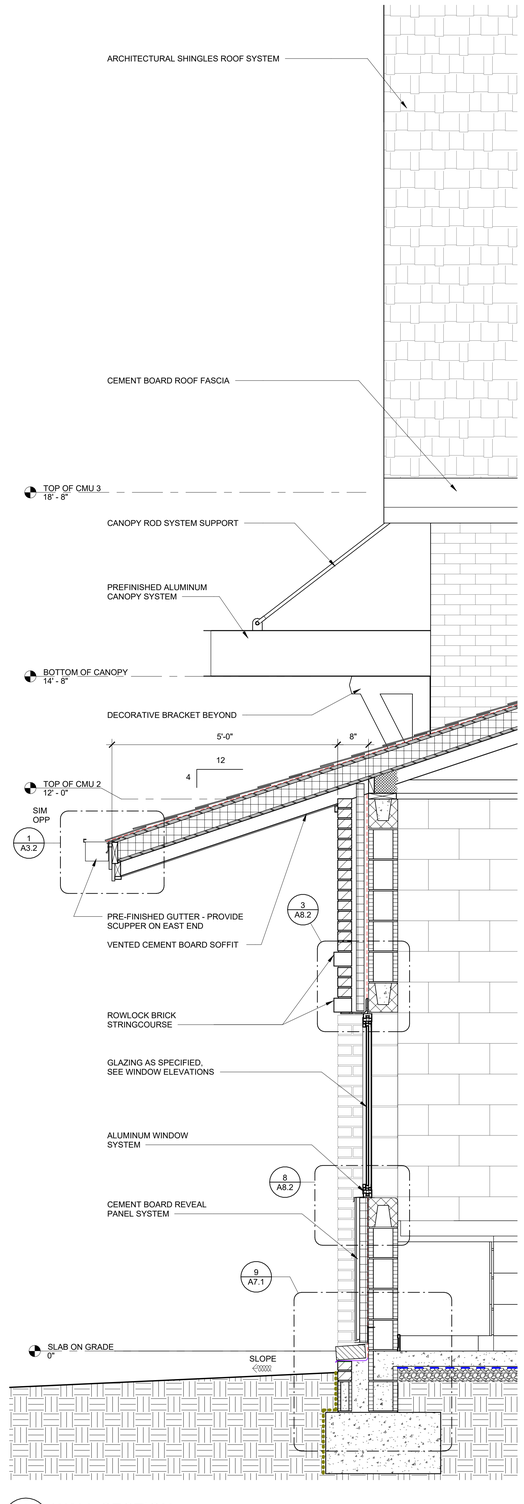
A5.1

PRINTED: 10/10/2025 3:02:14 PM

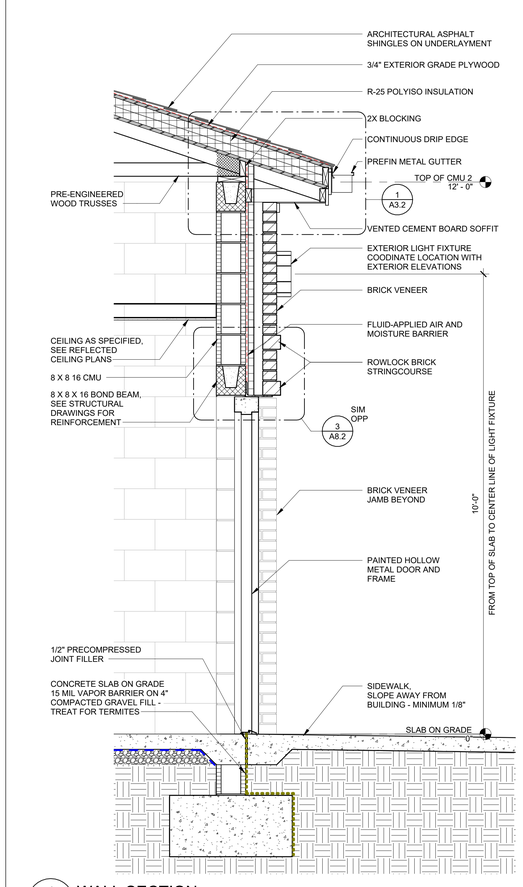
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt



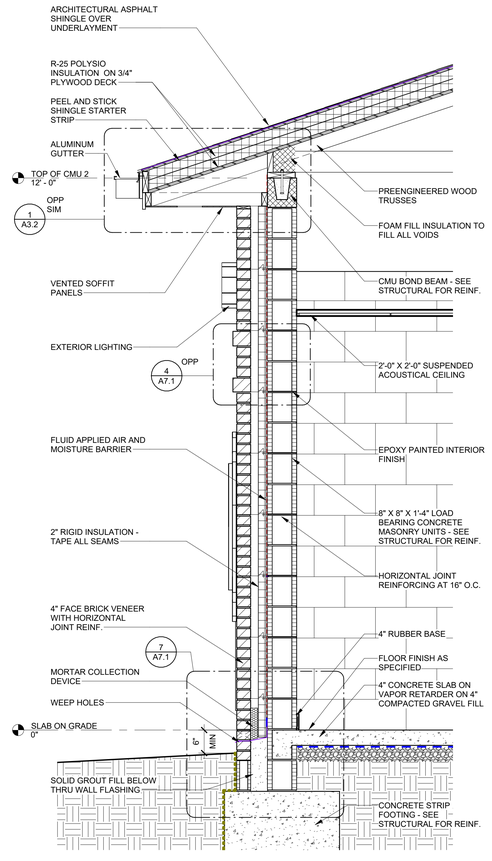
1 A6.1 WALL SECTION
SCALE: 3/4" = 1'-0"



2 A6.1 WALL SECTION
SCALE: 3/4" = 1'-0"



4 A6.1 WALL SECTION
SCALE: 3/4" = 1'-0"



3 A6.1 WALL SECTION
SCALE: 3/4" = 1'-0"

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

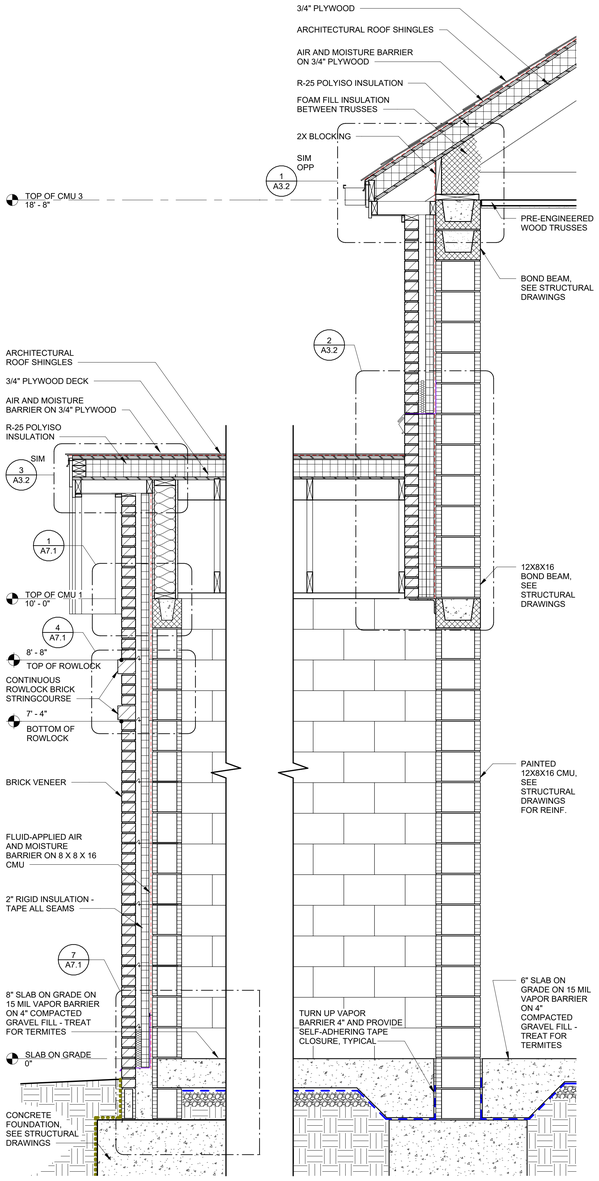
Project No.:	24-01977
Date:	10/10/2025
Drawn by:	XXX
Checked by:	XXX
Revisions:	

No.	Date	Description

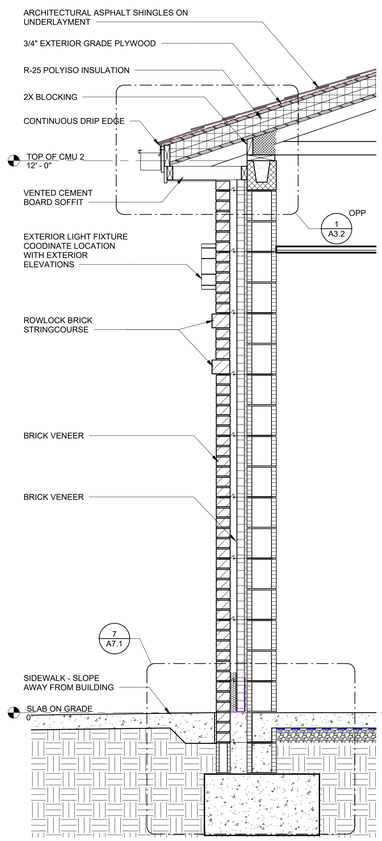
WALL SECTIONS

A6.1

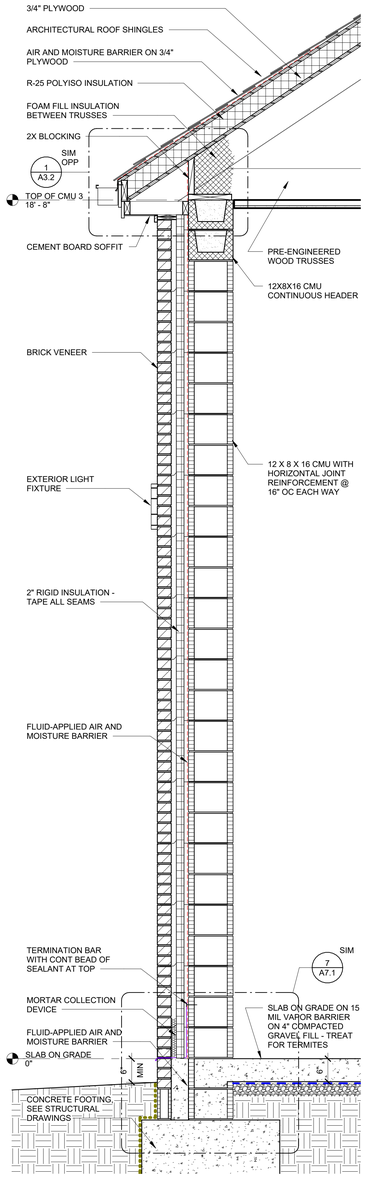
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt
PRINTED: 10/10/2025 3:02:16 PM



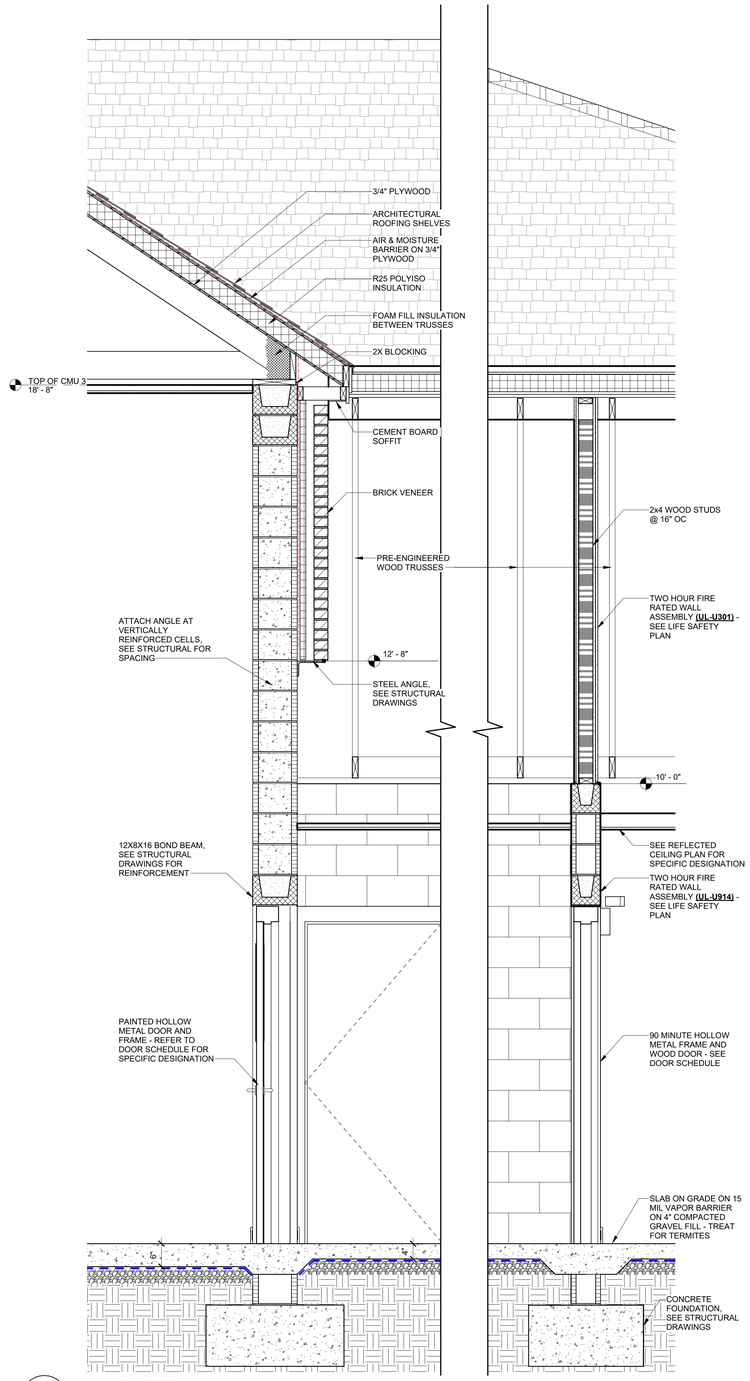
1 A6.2 WALL SECTION
SCALE: 3/4" = 1'-0"



2 A6.2 WALL SECTION
SCALE: 3/4" = 1'-0"



3 A6.2 WALL SECTION
SCALE: 3/4" = 1'-0"



4 A6.2 WALL SECTION
SCALE: 3/4" = 1'-0"

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

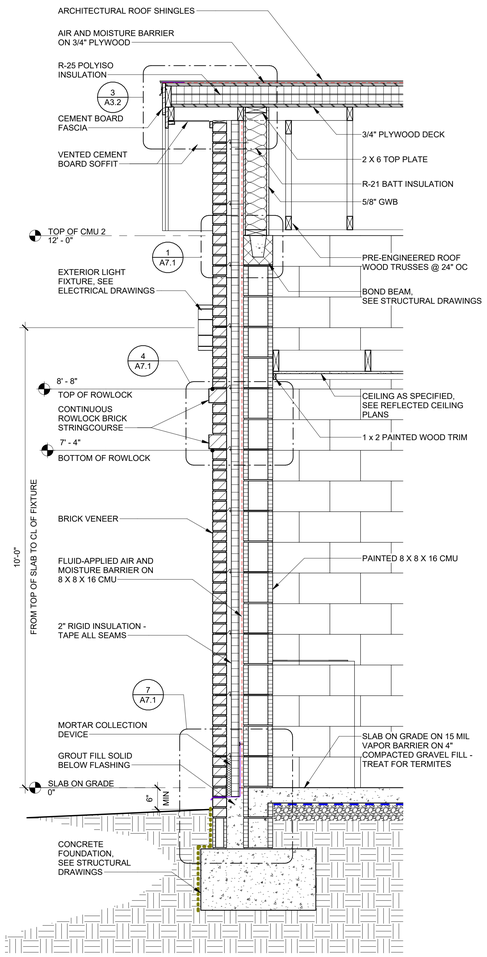
Project No.: 24-01977
Date: 10/10/2025
Drawn by: XXX
Checked by: XXX
Revisions:

No.	Date	Description

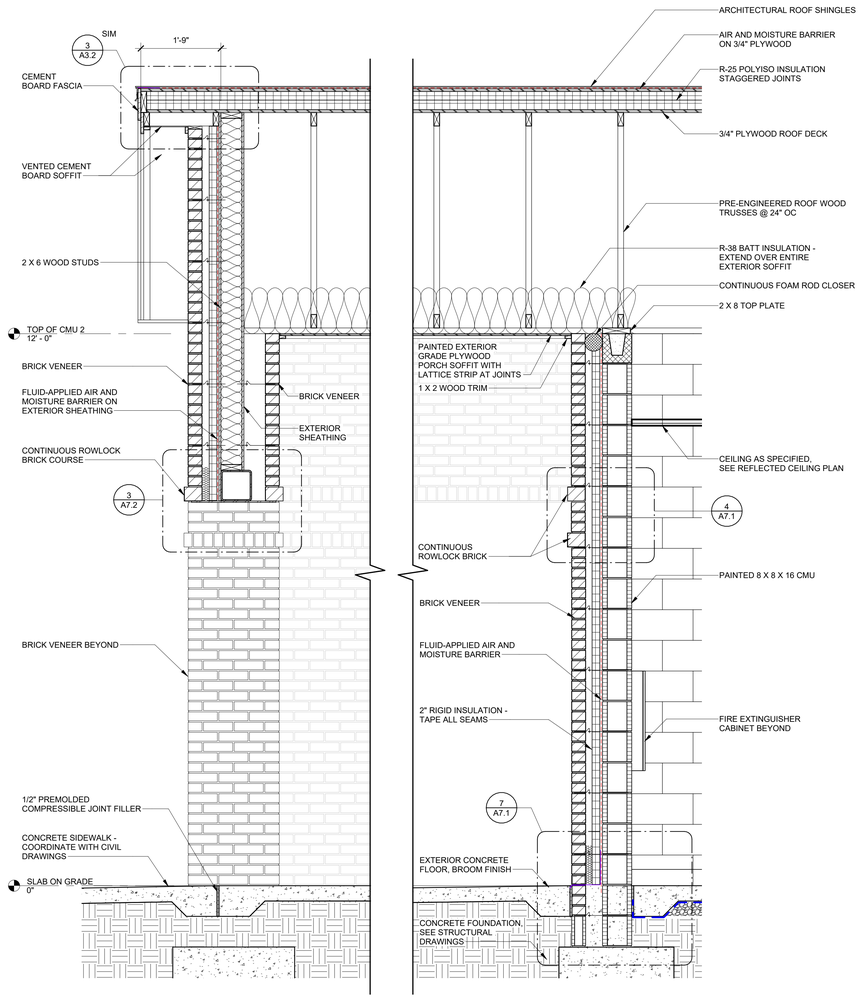
WALL SECTIONS

A6.2

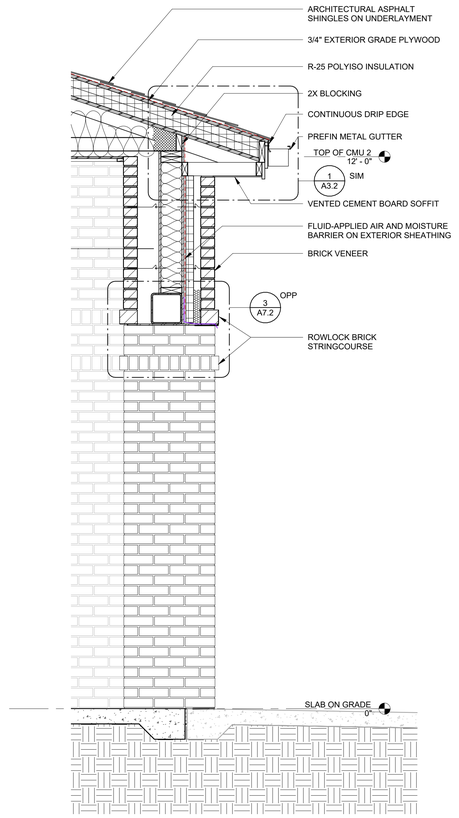
PRINTED: 10/10/2025 3:02:17 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt



1 A6.3 **WALL SECTION**
SCALE: 3/4" = 1'-0"



2 A6.3 **WALL SECTION**
SCALE: 3/4" = 1'-0"



3 A6.3 **Section 8**
SCALE: 3/4" = 1'-0"

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

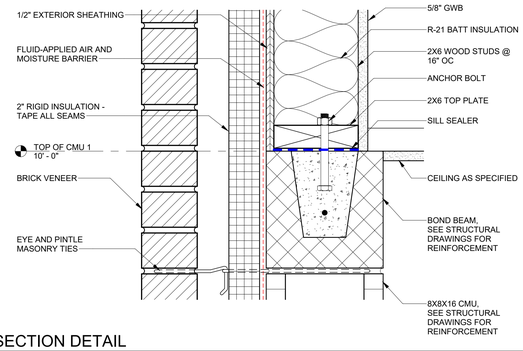
TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

Project No.: 24-01977
Date: 10/10/2025
Drawn by:
Checked by:
Revisions:

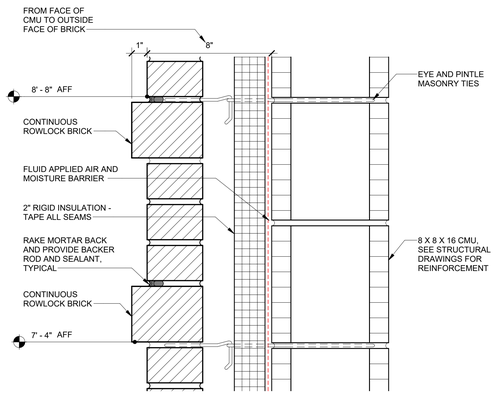
No.	Date	Description

WALL SECTIONS

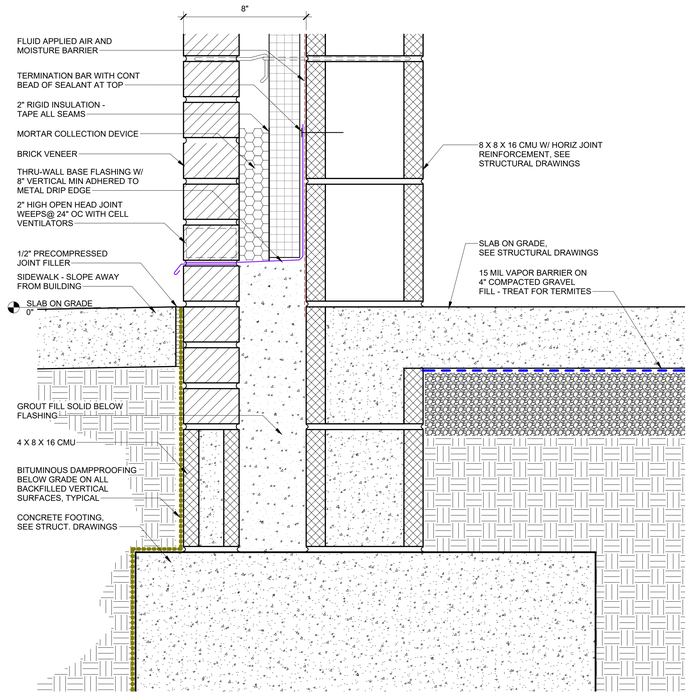
A6.3



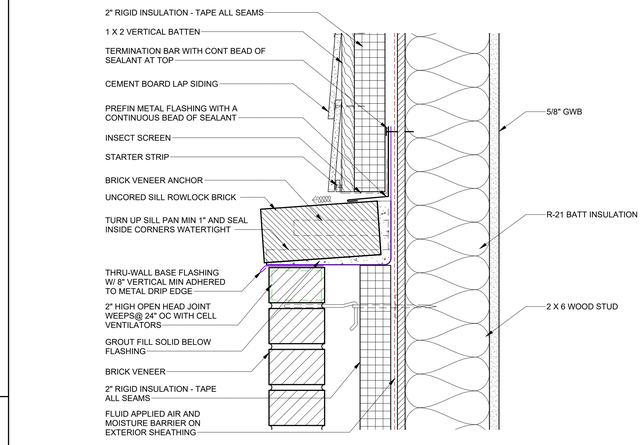
1 A7.1 SECTION DETAIL
SCALE: 3" = 1'-0"



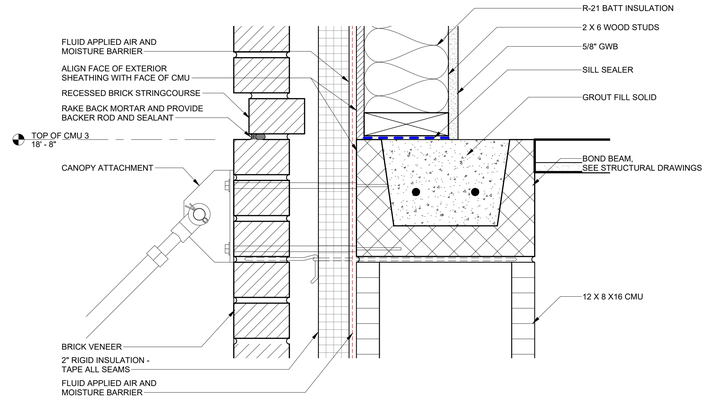
4 A7.1 SECTION DETAIL
SCALE: 3" = 1'-0"



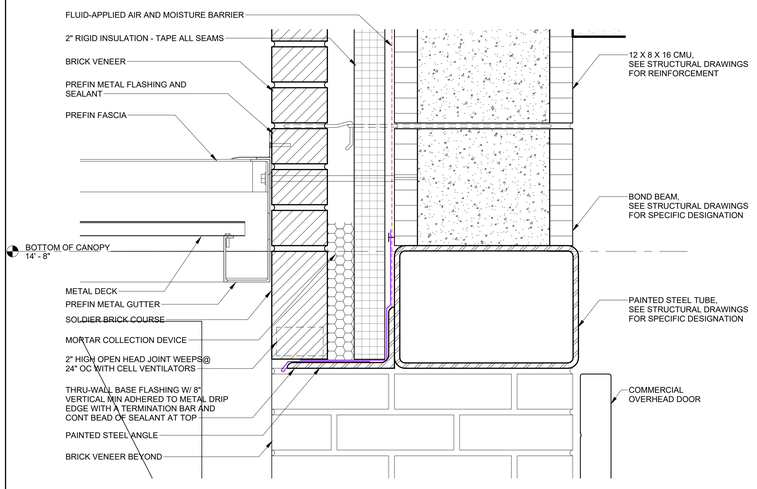
7 A7.1 FOUNDATION DETAIL
SCALE: 3" = 1'-0"



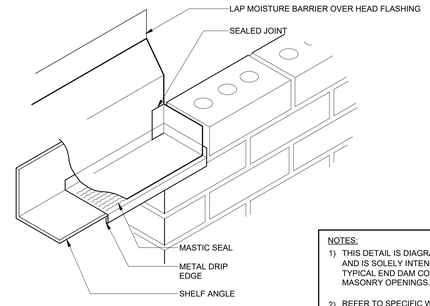
2 A7.1 SECTION DETAIL
SCALE: 3" = 1'-0"



5 A7.1 SECTION DETAIL
SCALE: 3" = 1'-0"

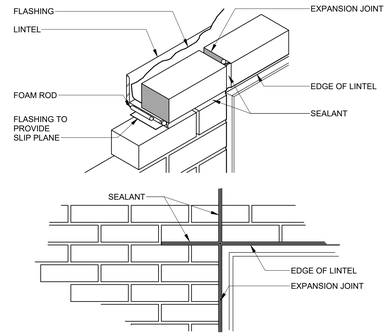


8 A7.1 SECTION DETAIL
SCALE: 3" = 1'-0"

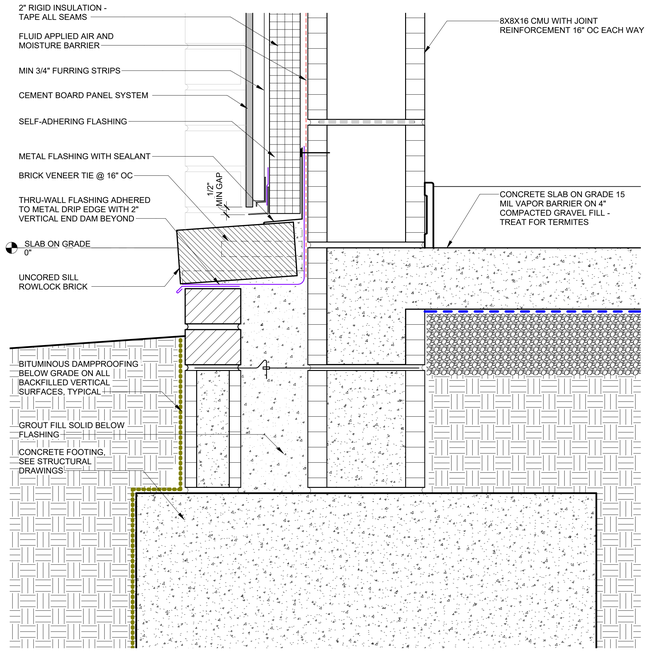


NOTES:
1) THIS DETAIL IS DIAGRAMMATIC ONLY AND IS SOLELY INTENDED TO SHOW TYPICAL END DAM CONSTRUCTION AT MASONRY OPENINGS.
2) REFER TO SPECIFIC WINDOW HEAD DETAILS FOR ADDITIONAL CONSTRUCTION COMPONENTS NOT INDICATED ON THIS DETAIL.
3) REFER TO STRUCTURAL DRAWINGS FOR ANGLE SIZES AND MINIMUM BEARING.

3 A7.1 TYPICAL FOLDED FLASHING END DAM
SCALE: 3" = 1'-0"



6 A7.1 TYPICAL EXPANSION JOINT AT OPENING
SCALE: 1 1/2" = 1'-0"



9 A7.1 FOUNDATION DETAIL
SCALE: 3" = 1'-0"

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

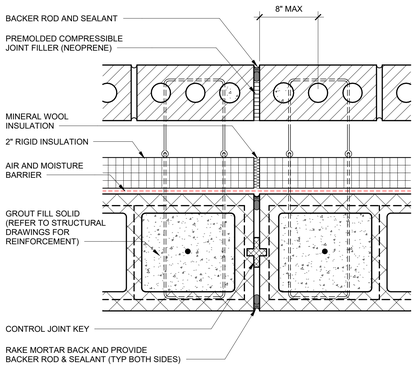
Project No.:	24-01977
Date:	10/10/2025
Drawn by:	XXX
Checked by:	XXX
Revisions:	

No.	Date	Description

SECTION DETAILS

A7.1

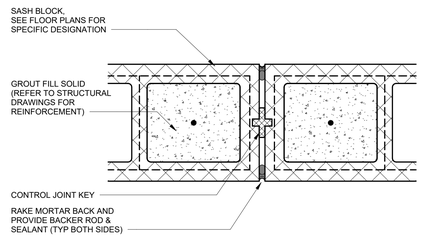
PRINTED: 10/10/2025 3:02:19 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt



CONTROL JOINT GENERAL NOTES:

1. ALL HORIZONTAL JOINT REINFORCEMENT SHALL BE DISCONTINUOUS ACROSS CONTROL JOINTS.
2. CONTROL JOINTS IN BOND BEAMS SHALL ALIGN W/ WALL CONTROL JOINTS. SEE STRUCT FOR BOND BEAM.
3. CONTROL JOINT SHALL EXTEND THROUGH ENTIRE WALL SURFACE (IE, BRICK VENEER,CMU BACKUP). CMU CONTROL JOINTS TO OCCUR AT NEAREST HEAD JOINT COURSE TO BRICK JOINT.
4. SEE PLANS AND/OR ELEVATIONS FOR SPECIFIED CONTROL JOINT LOCATIONS.
5. PROVIDE ADDITIONAL ADJUSTABLE EYE AND PINTLE ANCHORS @ 16" O.C. (VERTICAL) IF HORIZONTAL, JOINT REINFORCEMENT TIES DO NOT CLEAR WITHIN 8" ON EITHER SIDE OF JOINT.
6. OFFSET CJ'S HORIZONTALLY AT LINTELS - REFER TO STRUCTURAL DRAWINGS.

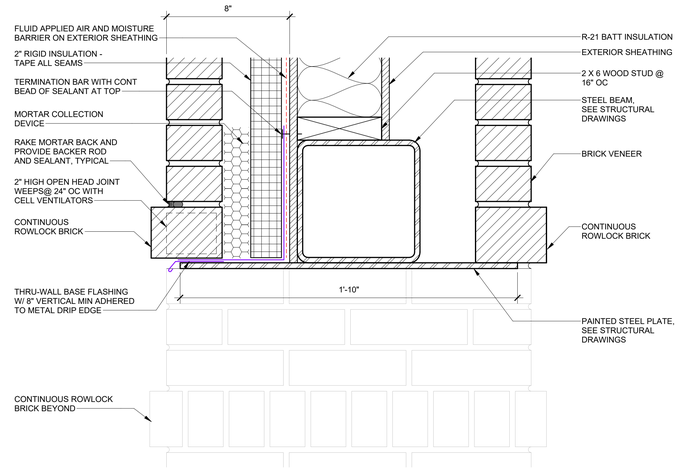
1 A7.2 CONTROL JOINT DETAIL @ CMU/BRICK
SCALE: 3" = 1'-0"



CONTROL JOINT GENERAL NOTES:

1. ALL HORIZONTAL JOINT REINFORCEMENT SHALL BE DISCONTINUOUS ACROSS CONTROL JOINTS.
2. CONTROL JOINTS IN BOND BEAMS SHALL ALIGN W/ WALL CONTROL JOINTS. SEE STRUCT FOR BOND BEAM.
3. CONTROL JOINT SHALL EXTEND FROM FOUNDATION TO TOP OF CMU.
4. REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION PERTAINING TO CONTROL JOINTS.
5. OFFSET CJ'S HORIZONTALLY AT LINTELS - REFER TO STRUCTURAL DRAWINGS.

2 A7.2 CONTROL JOINT DETAIL
SCALE: 3" = 1'-0"



3 A7.2 SECTION DETAIL
SCALE: 3" = 1'-0"

CONTROL JOINT GENERAL NOTES:

1. ALL HORIZONTAL JOINT REINFORCEMENT SHALL BE DISCONTINUOUS ACROSS CONTROL JOINTS.
2. CONTROL JOINTS IN BOND BEAMS SHALL ALIGN W/ WALL CONTROL JOINTS. SEE STRUCT FOR BOND BEAM.
3. CONTROL JOINT SHALL EXTEND THROUGH ENTIRE WALL SURFACE (IE, BRICK VENEER,CMU BACKUP). CMU CONTROL JOINTS TO OCCUR AT NEAREST HEAD JOINT COURSE TO BRICK JOINT.
4. SEE PLANS AND/OR ELEVATIONS FOR SPECIFIED CONTROL JOINT LOCATIONS.
5. PROVIDE ADDITIONAL ADJUSTABLE EYE AND PINTLE ANCHORS @ 16" O.C. (VERTICAL) IF HORIZONTAL, JOINT REINFORCEMENT TIES DO NOT CLEAR WITHIN 8" ON EITHER SIDE OF JOINT.
6. OFFSET CJ'S HORIZONTALLY AT LINTELS - REFER TO STRUCTURAL DRAWINGS.

4 A7.2 TRANSITION DETAIL BRICK/CB @ WALL JOINT
SCALE: 3" = 1'-0"

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	10/10/2025
Drawn by:	XXX
Checked by:	XXX

Revisions:

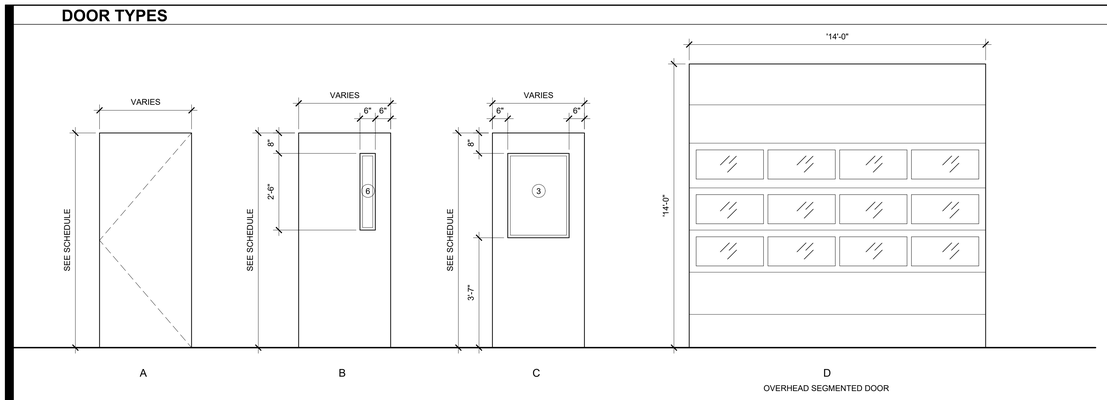
No.	Date	Description

SECTION / PLAN DETAILS

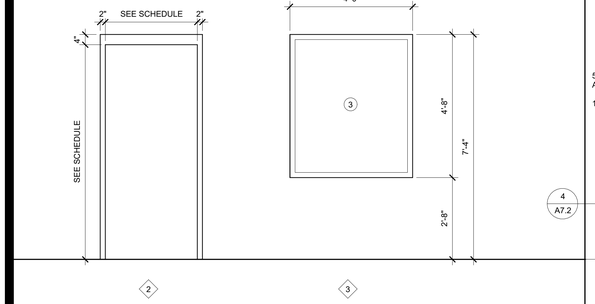
A7.2

PRINTED: 10/10/2025 3:02:20 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

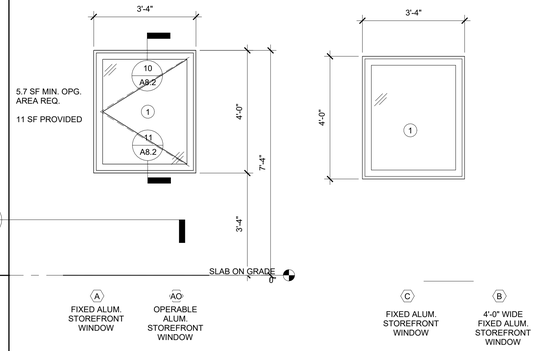
DOOR TYPES



HOLLOW METAL FRAME TYPES

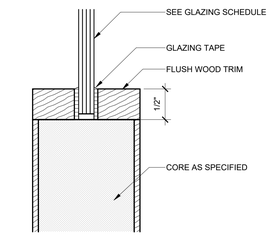


ALUMINUM FRAME ELEVATIONS

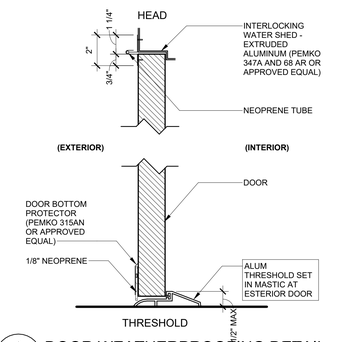


DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR TYPE	DOOR MAT'L	DOOR WIDTH	DOOR HEIGHT	DOOR THK	DETAIL FRAME TYPE	DETAIL FRAME MAT'L	FIRE RATING (MINUTES)	DETAIL HEAD	DETAIL JAMB	HDWR SET	Remarks
FLOOR 1												
100A	A	HM	3' - 0"	7' - 0"	1 3/4"	2	HM		3/A8.2 SIM	5/A8.2	EXT-01	
100B	C	HM	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	9	
100C	A	HM	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	16	
100D	A	HM	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	13	
100E	B	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	15	
100G	D	ALUM	14' - 0"	14' - 0"	2"	-	STEEL		8/A6.10	9/A8.2	BY MFR	OH DOOR
100H	D	ALUM	14' - 0"	14' - 0"	2"	-	STEEL		8/A6.10	9/A8.2	BY MFR	OH DOOR
100I	D	ALUM	14' - 0"	14' - 0"	2"	-	STEEL		8/A6.10	9/A8.2	BY MFR	OH DOOR
100J	D	ALUM	14' - 0"	14' - 0"	2"	-	STEEL		8/A6.10	9/A8.2	BY MFR	OH DOOR
101	A	HM	3' - 0"	7' - 0"	1 3/4"	2	HM		3/A8.2 SIM	5/A8.2	EXT-01	
102	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	5	UNDERCUT DOOR 3/4"
103	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	4	
104	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	6	
105	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	6	
106	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	6	
107	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	6	
109	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	7	
110	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	4	
111	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	4	
112	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM	45 MIN	2/A8.2	1/A8.2	11	UNDERCUT DOOR 3/4"
113	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM	45 MIN	2/A8.2	1/A8.2	10	UNDERCUT DOOR 3/4"
114	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	15	
114A	A	HM	3' - 0"	7' - 0"	1 3/4"	2	HM		3/A8.2 SIM	5/A8.2	EXT-01	
114B	B	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM	45 MIN	2/A8.2	1/A8.2	17	
115	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	8	
116	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	14	
118	A	HM	3' - 0"	7' - 0"	1 3/4"	2	HM		3/A8.2 SIM	5/A8.2	EXT-05	
120	A	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM	45 MIN	2/A8.2	1/A8.2	7	
121	A	HM	3' - 0"	7' - 0"	1 3/4"	2	HM		3/A8.2 SIM	5/A8.2	EXT-03	
122	A	HM	3' - 0"	7' - 0"	1 3/4"	2	HM		3/A8.2 SIM	5/A8.2	EXT-04	
123	C	SCWD	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	12	
123A	A	HM	3' - 0"	7' - 0"	1 3/4"	2	HM		3/A8.2 SIM	5/A8.2	EXT-02	
124	A	HM	3' - 0"	7' - 0"	1 3/4"	2	HM	90 MIN	2/A8.2	1/A8.2	18	ALT #1
125	C	HM	3' - 0"	7' - 0"	1 3/4"	2	HM		2/A8.2	1/A8.2	9.1	
100L	D	ALUM	14' - 0"	14' - 0"	2"	-	STEEL		8/A7.1	9/A8.2	BY MFR	ALT #4
100M	D	ALUM	14' - 0"	14' - 0"	2"	-	STEEL		8/A7.1	9/A8.2	BY MFR	ALT #4
100N	A	HM	3' - 0"	7' - 0"	1 3/4"	2	HM		3/A8.2 SIM	5/A8.2	EXT-01	ALT #4
X126	D	ALUM	14' - 0"	14' - 0"	2"	-	STEEL		8/A7.1	9/A8.2	BY MFR	OH DOOR
X127	D	ALUM	14' - 0"	14' - 0"	2"	-	STEEL		8/A7.1	9/A8.2	BY MFR	OH DOOR
X132	D	ALUM	14' - 0"	14' - 0"	2"	-	STEEL		8/A7.1	9/A8.2	BY MFR	OH DOOR
X133	D	ALUM	14' - 0"	14' - 0"	2"	-	STEEL		8/A7.1	9/A8.2	BY MFR	OH DOOR



5 A8.1 DOOR GLAZING- NON-RATED
SCALE: 12" = 1'-0"



6 A8.1 DOOR WEATHERPROOFING DETAIL
SCALE: 3" = 1'-0"

GENERAL DOOR NOTES

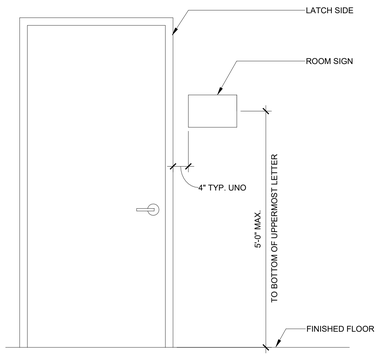
1. DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS. WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, A SUFFIX HAS BEEN ADDED (I.E. 100A).
2. HARDWARE ON ACCESSIBLE DOORS AND OPERATING DEVICES SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRED TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
3. REQUIRED PANIC HARDWARE AND FIRE EXIT HARDWARE SHALL NOT BE EQUIPPED WITH ANY LOCKING DEVICE, SET SCREW, OR OTHER ARRANGEMENT THAT PREVENTS THE RELEASE OF THE LATCH WEN PRESSURE IS APPLIED TO THE RELEASING DEVICE.
4. WEATHERSTRIPPING SHALL BE PROVIDED AT HEAD AND JAMBS OF ALL EXTERIOR DOORS.
5. ALL THRESHOLDS SHALL CONFORM TO HANDICAP ACCESS REQUIREMENTS.
6. ALL EXTERIOR DOORS AND FRAMES TO BE HOT-DIPPED GALVANIZED. REFER TO SPECS SECTION 08110.
7. PROVIDE UNDERCUTS PER SCHEDULE.
8. DOOR STOPS ARE NOT SHOWN ON PLANS. HOWEVER, ALL DOORS SHALL RECEIVE APPROPRIATE FLOOR OR WALL STOP AS REQUIRED.
9. PRIOR TO SUBMITTING DOOR AND FRAME SHOP DRAWINGS, CONTRACTOR SHALL VERIFY DIMENSIONS, CONDITIONS, AND HARDWARE AT EACH EXISTING DOOR OR FRAME TO REMAIN AND UTILIZE THIS INFORMATION TO PREPARE SHOP DRAWINGS.
10. CONTRACTOR TO COORDINATE KEYING SYSTEMS AND HARDWARE FUNCTIONS WITH OWNER.

GLAZING LEGEND

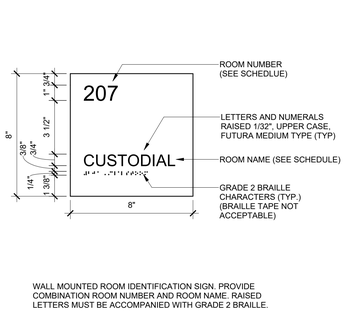
1. 1" INSULATED TEMPERED
2. NOT USED
3. 1/4" CLEAR TEMPERED
4. NOT USED
5. NOT USED
6. 5/16" UL-LABELED LAMINATED FIRE RATED CLASS CERAMIC

GENERAL WINDOW NOTES

1. TEMPERED GLAZING SHALL BE PROVIDED IN ALL LOCATIONS WHERE WINDOWS OR GLAZING ARE LOCATED WITHIN 3'-0" OF INTERIOR OR EXTERIOR DOORS, BELOW DOOR HEAD HEIGHT, AND UP TO 1'-6" ABOVE FINISH FLOOR.
2. SEE WINDOW ELEVATIONS FOR GLAZING TYPES.
3. SECTIONS THROUGH WINDOW MEMBERS ARE SHOWN SCHEMATICALLY - ACTUAL CONFIGURATIONS MAY VARY PER APPROVED MFR'S.
4. ROUGH OPENINGS ARE SHOWN ON WINDOW ELEVATIONS. ACTUAL WINDOW UNITS SHOULD BE CONSTRUCTED TO MEET TOLERANCES NECESSARY FOR PROPER HORIZONTAL AND VERTICAL ALIGNMENT OF SYSTEMS AND CONFORMANCE WITH DETAILS AND SPECIFICATIONS OF THE CONSTRUCTION DOCUMENTS.
5. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATIONS.
6. WINDOW MFR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL MULLION REINFORCEMENT NECESSARY TO MEET ALL SPECIFIED LOADING CRITERIA.
7. ALL NEW FIRE PROTECTION-RATED GLAZING SHALL BE PERMANENTLY MARKED IN ACCORDANCE WITH LIFE SAFETY AND FIRE CODE.
8. PROVIDE BLINDS AT ALL INTERIOR HOLLOW METAL WINDOWS.

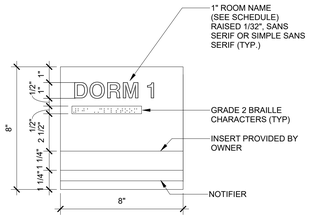


7 A8.1 ID100 - SIGNAGE - PLACEMENT
SCALE: 1/16" = 1'-0"

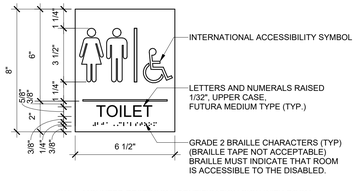


WALL MOUNTED ROOM IDENTIFICATION SIGN. PROVIDE COMBINATION ROOM NUMBER AND ROOM NAME. RAISED LETTERS MUST BE ACCOMPANIED WITH GRADE 2 BRAILLE.

8 A8.1 TYPE "A" SIGN DETAIL
SCALE: 3" = 1'-0"



2 A8.1 TYPE "B" SIGN DETAIL
SCALE: 3" = 1'-0"



WALL MOUNTED RESTROOM IDENTIFICATION SIGN WITH ROOM NUMBER, INTERNATIONAL ACCESSIBILITY SYMBOL, AND MALE AND FEMALE LOGO. RAISED LETTERS MUST BE ACCOMPANIED BY GRADE 2 BRAILLE.

9 A8.1 TYPE "C" SIGN DETAIL
SCALE: 3" = 1'-0"

OWNER WILL PROVIDE ALL ROOM SIGNS - CONTRACTOR SHALL INSTALL

INTERIOR SIGN SCHEDULE

Mark	ROOM NAME	SIGN TYPE	QTY	SIGNAGE TEXT	LOCATION(S)
100A					
100C	DECON	A	1	DECON	ADJACENT TO DOOR 100C
100D	GEAR ROOM	A	1	GEAR ROOM	ADJACENT TO DOOR 100D
100G					
100H					
100I					
100J					
102	OFFICE	A	1	OFFICE	ADJACENT TO DOOR 102
103	RESTROOM	C	1	UNISEX TOILET	ADJACENT TO DOOR 103
104	DORM 1	B	1	DORM 1	ADJACENT TO DOOR 104
105	DORM 2	B	1	DORM 2	ADJACENT TO DOOR 105
106	DORM 3	B	1	DORM 3	ADJACENT TO DOOR 106
107	DORM 4	B	1	DORM 4	ADJACENT TO DOOR 107
108	STORAGE	A	1	STORAGE	ADJACENT TO DOOR 108
109	STORAGE	A	1	STORAGE	ADJACENT TO DOOR 109
110	SHOWER 1	A	1	SHOWER	ADJACENT TO DOOR 110
111	SHOWER 2	A	1	SHOWER	ADJACENT TO DOOR 111
112	LAUNDRY	A	1	LAUNDRY	ADJACENT TO DOOR 112
113	CLOSET	A	1	CLOSET	ADJACENT TO DOOR 113
114B	DAYROOM	A	1	BREAK ROOM	ADJACENT TO DOOR 114B
115	MECHANICAL	A	1	MECHANICAL	ADJACENT TO DOOR 115
116	GEAR ROOM	A	1	GEAR ROOM	ADJACENT TO DOOR 116
120	STORAGE	A	1	STORAGE	ADJACENT TO DOOR 120
123	STORAGE	A	1	WELLNESS	ADJACENT TO DOOR 123
124	CASCADE ROOM	A	1	CASCADE	ADJACENT TO DOOR 124

G.C. TO PROVIDE SIGNAGE SUBMITTAL AND SHOP DRAWINGS FOR OWNER AND ARCHITECT APPROVAL PRIOR TO ORDER

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

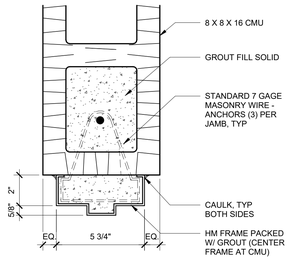
Project No.: 24-01977
Date: 10/10/2025
Drawn by: EE
Checked by: WAG
Revisions:

No.	Date	Description

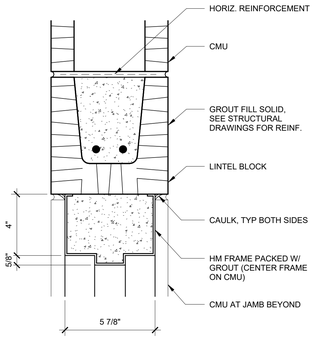
DOORS, SIGNS & WINDOW SCHEDULES & DETAILS

A8.1

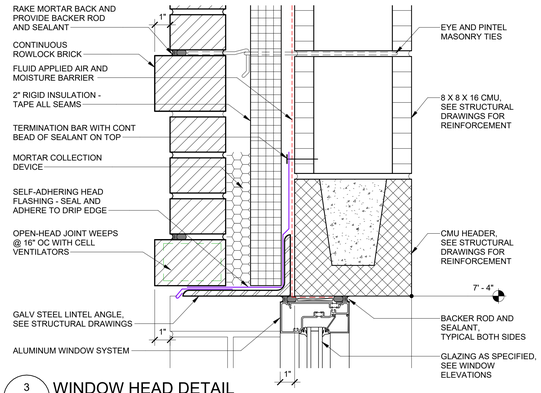
PRINTED: 10/10/2025 3:02:21 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt



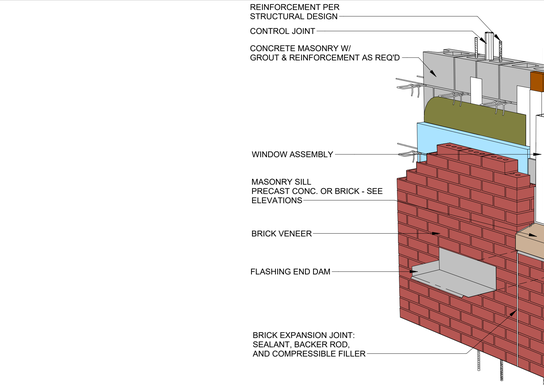
1 A8.2 JAMB DETAIL @ CMU
SCALE: 3" = 1'-0"



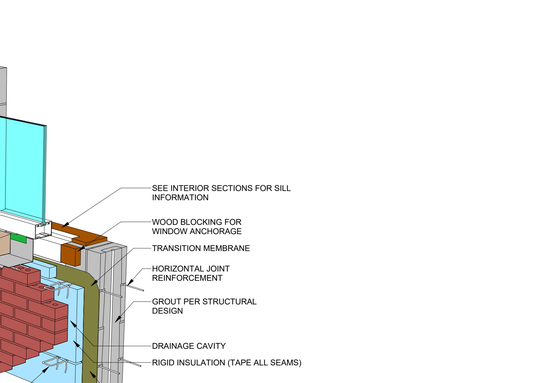
2 A8.2 HEAD DETAIL @ CMU
SCALE: 3" = 1'-0"



3 A8.2 WINDOW HEAD DETAIL
SCALE: 3" = 1'-0"



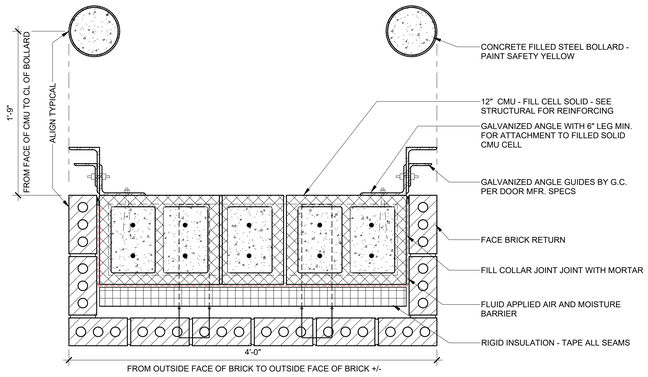
5 A8.2 DOOR JAMB DETAIL
SCALE: 3" = 1'-0"



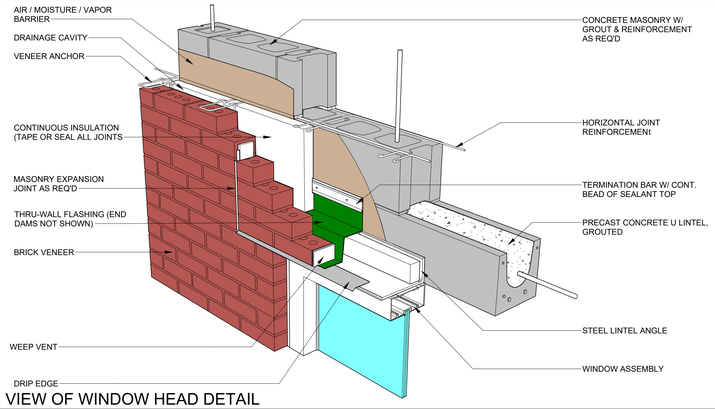
6 A8.2 JAMB DETAIL
SCALE: 3" = 1'-0"

7 A8.2 WINDOW SILL DETAIL @ BRICK
SCALE: 3" = 1'-0"

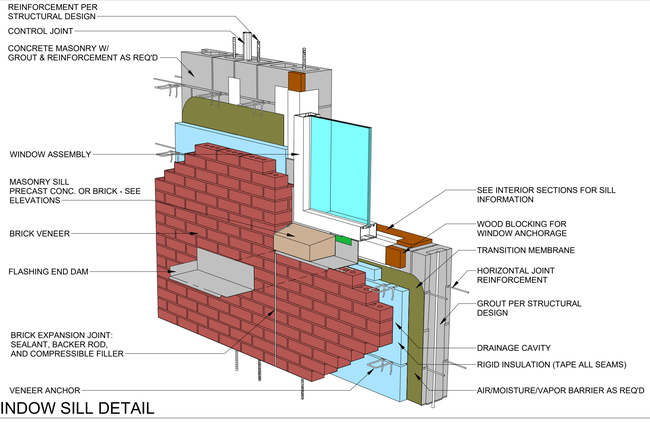
8 A8.2 WINDOW SILL DETAIL @ CB
SCALE: 3" = 1'-0"



9 A8.2 GARAGE DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



10 A8.2 ISOMETRIC VIEW OF WINDOW HEAD DETAIL
SCALE: 3" = 1'-0"



11 A8.2 ISOMETRIC VIEW OF WINDOW SILL DETAIL
SCALE: 3" = 1'-0"

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

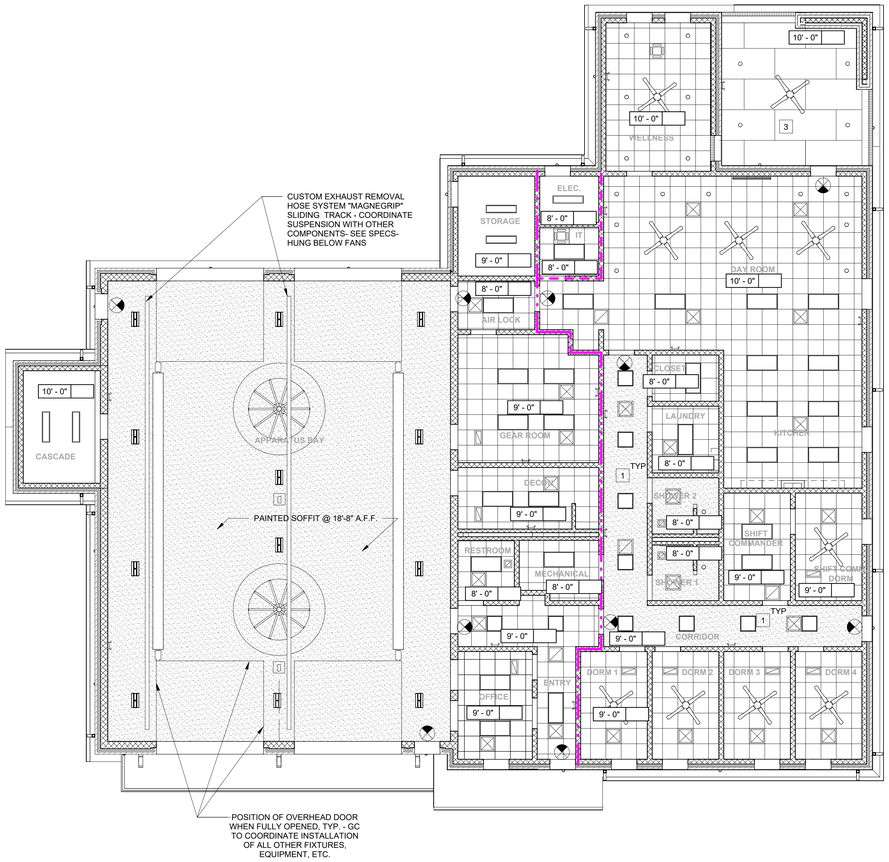
Project No.:	24-01977
Date:	10/10/2025
Drawn by:	XXX
Checked by:	XXX
Revisions:	

No.	Date	Description

DOOR & WINDOW DETAILS

A8.2

PRINTED: 10/10/2025 3:02:23 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt



1 A9.1 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

GENERAL REFLECTED CEILING PLAN NOTES

A. ALL ABOVE-CEILING AND EXPOSED SYSTEMS INSTALLATION BY SUBS TO BE COORDINATED WITH OTHER TRADES PRIOR TO BEGINNING WORK.

B. ENGINEERING DRAWINGS TAKE PRECEDENCE FOR PARTICULAR FIXTURE TYPES. ARCHITECTURAL REFLECTED CEILING PLANS ARE FOR COORDINATION OF AESTHETIC ARRANGEMENTS.

C. ENGINEERING DRAWINGS TAKE PRECEDENCE FOR SIZES OF DUCTWORK. ARCHITECTURAL REFLECTED CEILING PLANS ARE FOR COORDINATION OF AESTHETIC ARRANGEMENTS.

D. CEILING HEIGHTS INDICATED ARE FROM TOP OF FINISH FLOOR TO UNDERSIDE OF FINISHED CEILING.

E. ALL LAY-IN ACOUSTICAL CEILINGS TO BE ACT-1 WITH GRID 1 U.N.O.

F. ALL EXPOSED CEILINGS TO BE PAINTED P-2, U.N.O.

G. EXPOSED PIPING, CONDUIT, ETC. NOT SHOWN FOR CLARITY. ALL EXPOSED ELEMENTS SHALL BE PAINTED, UNO.

H. ALL EXPOSED ELECTRICAL CONDUIT TO BE PAINTED TO MATCH ADJACENT SURFACES.

I. REFER TO FINISH PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.

J. REFER TO ELECTRICAL PLANS FOR LOCATIONS OF SMOKE OR HEAT DETECTORS

KEYED REFLECTED CEILING PLAN NOTES

1 SUSPENDED GYPSUM BOARD CEILING AT 9'-0" A.F.F. FOR SMOKE TIGHT ENVELOPE

2 NOT USED

3 3/4" EXTERIOR GRADE AB PLYWOOD PORCH SOFFIT WITH LATTICE STRIP AT JOINTS - PAINT SKY BLY

FIXTURE LEGEND

- RECESSED CAN LIGHT - SEE ELECTRICAL FOR INTERIOR VS EXTERIOR
- 48" LINEAR LED
- 2' x 2' LED LIGHT FIXTURE
- 2' x 4' LED LIGHT FIXTURE
- WALL MOUNTED UPLIGHT/DOWNLIGHT @ 7'-0" AFF MIN.
- 2' x 2' SUPPLY AIR DIFFUSER
- 2' x 2' RETURN AIR GRILLE
- 1' x 1' SUPPLY AIR DIFFUSER
- 1' x 1' EXHAUST FAN
- CEILIING FAN WITH LIGHT
- 8' DIAMETER POWERFOIL CEILIING FAN - SET ABOVE LIGHT SOURCES
- GAS-FIRED RADIANT HEAT SOURCE
- HIGH BAY LIGHT FIXTURE
- CEILING MOUNTED ELECTRICAL CORD REEL - COORDINATE EXACT LOCATION WITH USER
- VANITY LIGHT
- EMERGENCY LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE

FINISH SYMBOLS LEGEND

CEILING HEIGHT — 10'-0" | A — REMARKS

- LAY-IN ACOUSTICAL CEILING
- GWB CEILING
- PAINTED EXPOSED STRUCTURE

REMARKS

A. NOT USED

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	10/10/2025
Drawn by:	XXX
Checked by:	XXX
Revisions:	

No.	Date	Description

REFLECTED CEILING PLAN

A9.1

PRINTED: 10/10/2025 3:02:24 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

1 A10.1 FINISH PLAN

SCALE: 1/8" = 1'-0"

GENERAL FINISH NOTES

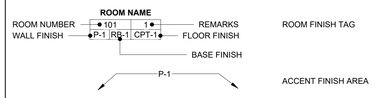
1. REFER TO SPECIFICATIONS FOR PAINT SYSTEM.
2. ALL PAINT TERMINATES AT INSIDE CORNER, U.N.O.
3. REFER TO REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION. REFER TO SPECIFICATIONS FOR GWB TYPE DESIGNATIONS.
4. PROVIDE EXTRUDED ALUM TRANSITION STRIPS AT ALL CHANGES IN FLOOR MATERIAL.
5. ALL HOLLOW METAL FRAMES TO BE PAINTED P-4.
6. ALL WALLS TO BE PAINTED P-1, U.N.O.
7. ALL GWB CEILINGS TO BE PAINTED P-2, U.N.O.

KEYED FINISH NOTES

A PROVIDE VINYL WALL GRAPHIC.

B PROVIDE SS-1 COUNTERTOP @ 30" AFF.

FINISH SYMBOLS LEGEND



FINISH LEGEND

PAINT	
P-1	BENJAMIN MOORE WHITE WINGED DOVE
P-2	BENJAMIN MOORE - WHITE FOR CEILINGS
P-3	BENJAMIN MOORE HERITAGE RED
P-4	BENJAMIN MOORE BLACK INK
VINYL TILE	
LVT-1	INTERFACE BRUSHED LINES GALENA
LVT-2	INTERFACE BRUSHED LINES SANDALWOOD
SEALED CONCRETE	
SC	SEALED CONCRETE - REFER TO SPECIFCATIONS FOR MORE INFO.
RUBBER BASE	
RB-1	4" RUBBER BASE. BOD: ROPPE, CHARCOAL
WALK-OFF	
WM	INTERFACE SR799 104918 MIDNIGHT
LAMINATE	
PL-1	FORMICA CAMEL ELM
SOLID SURFACE	
SS-1	1/2" CORIAN, CARBON AGGREGATE
CERAMIC TILE	
CT-1	TRINITY TILE SIMPLEX DARK GRAY 2X8 GLOSSY
CT-2	TRINITY TILE CONTENT 12X24 & COORD. BASE

REMARKS

1. PROVIDE EPOXY PAINT ON ALL WALLS AND GYP. CEILINGS.
2. PROVIDE CT-2 ON SHOWER WALLS FLOOR TO CEILING.
3. PATTERN PER ARCHITECTS DIRECTION.

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

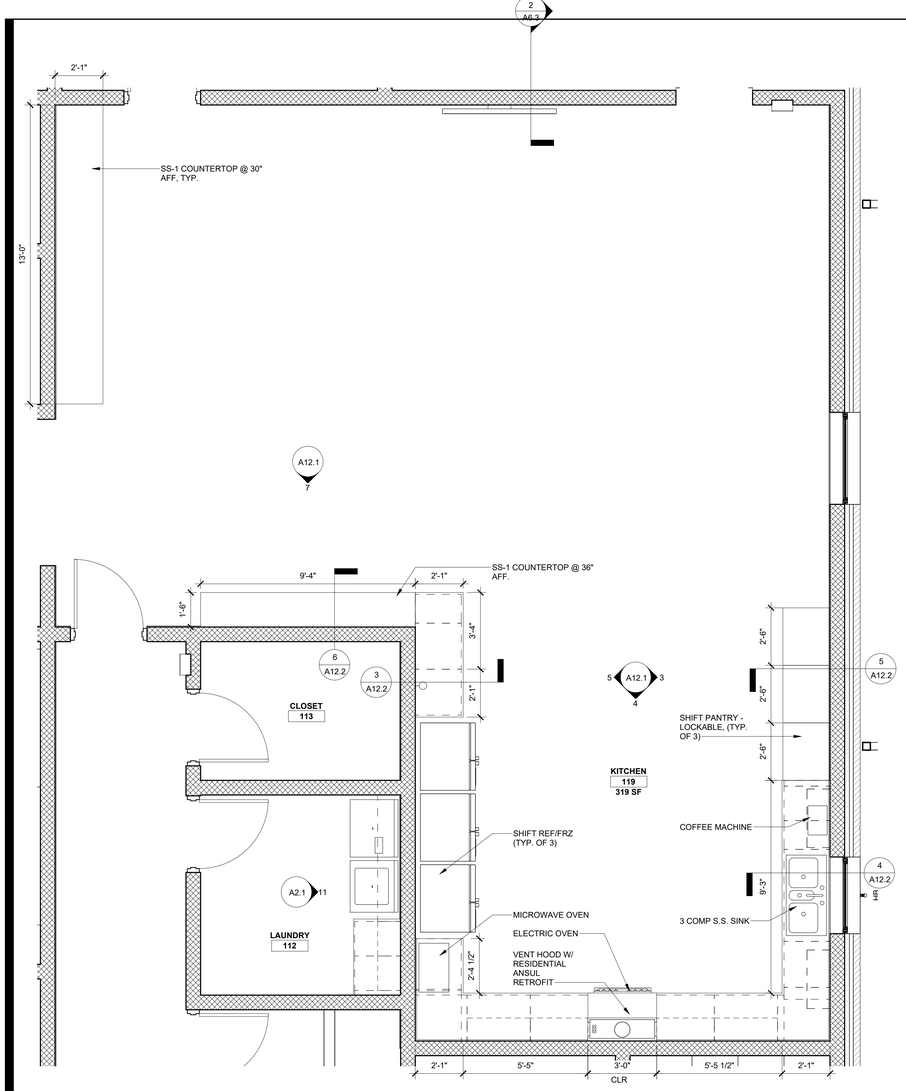
Project No.: 24-01977
Date: 10/10/2025
Drawn by: XXX
Checked by: XXX
Revisions:

No.	Date	Description

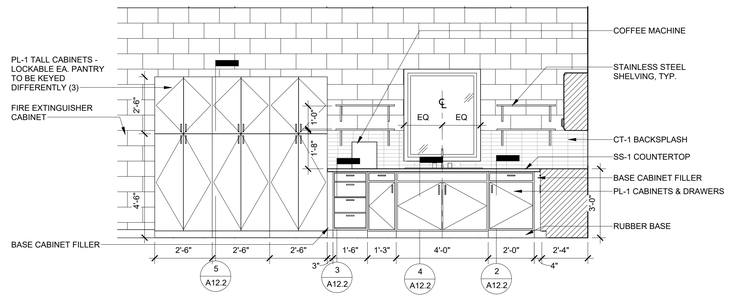
FINISH PLAN

A10.1

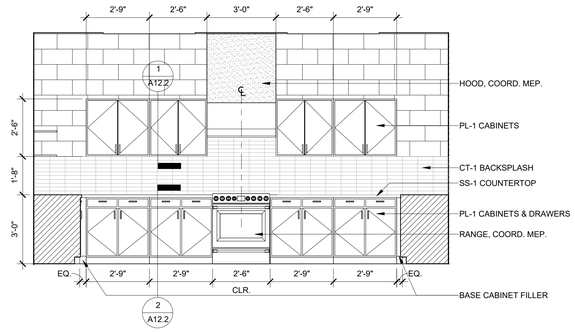
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt
PRINTED: 10/10/2025 3:02:26 PM



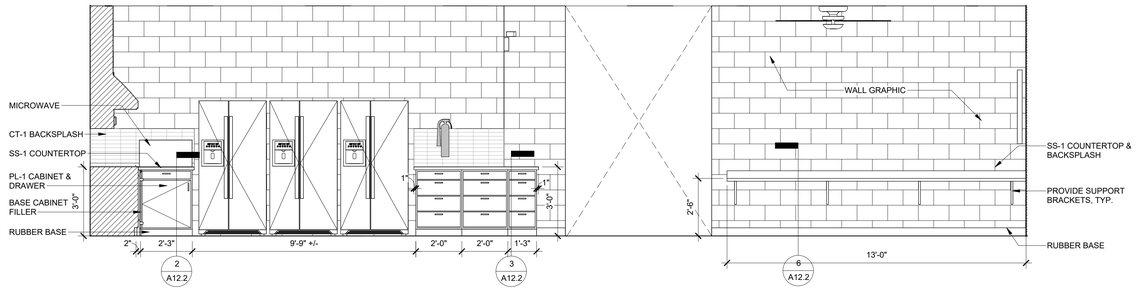
1 A12.1 ENLARGED KITCHEN PLAN
SCALE: 3/8" = 1'-0"



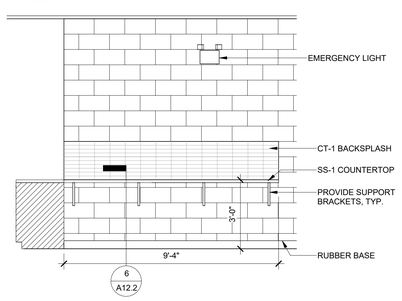
3 A12.1 KITCHEN 119 - EAST
SCALE: 3/8" = 1'-0"



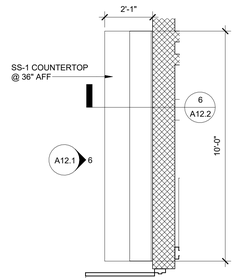
4 A12.1 KITCHEN 119 - SOUTH
SCALE: 3/8" = 1'-0"

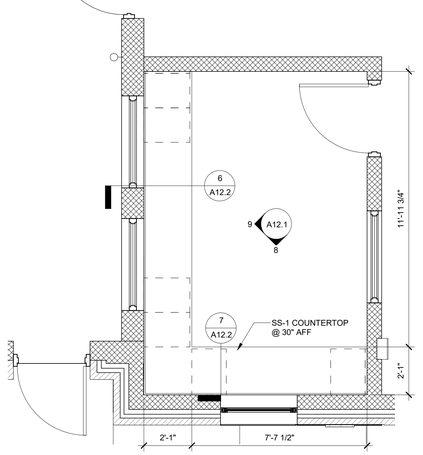


5 A12.1 KITCHEN 119 - WEST
SCALE: 3/8" = 1'-0"

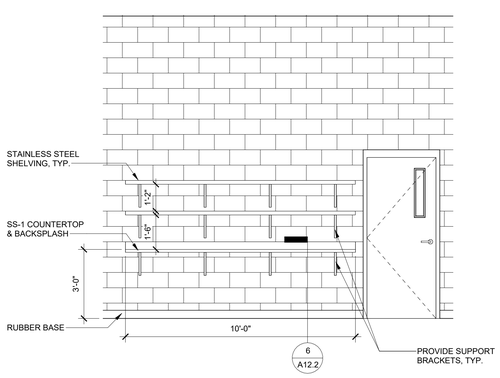


7 A12.1 KITCHEN 119 - COUNTER - SOUTH
SCALE: 3/8" = 1'-0"

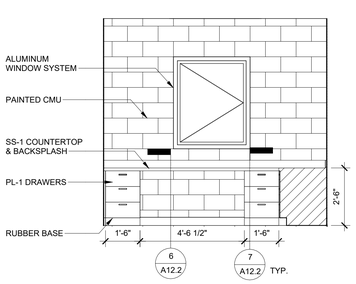




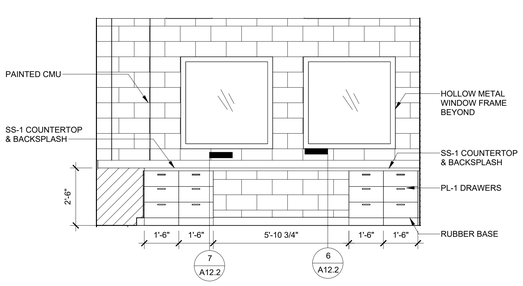
2 A12.1 ENLARGED OFFICE PLAN
SCALE: 3/8" = 1'-0"



6 A12.1 APPARATUS BAY ELEVATION
SCALE: 3/8" = 1'-0"



8 A12.1 OFFICE ELEVATION - SOUTH
SCALE: 3/8" = 1'-0"



9 A12.1 OFFICE ELEVATION - WEST
SCALE: 3/8" = 1'-0"

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO.: RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

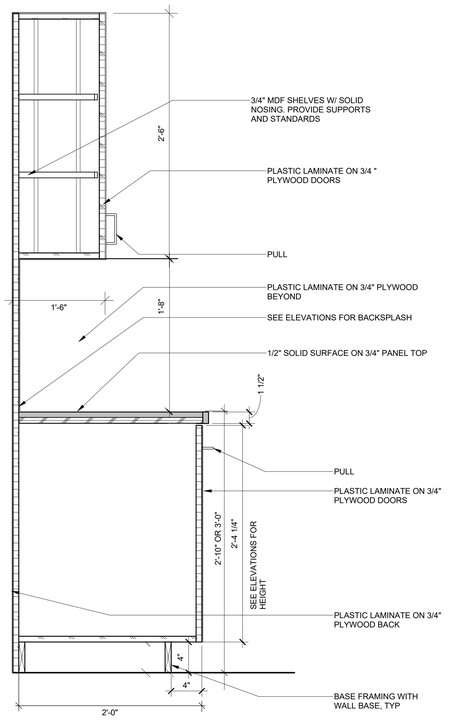
Project No.:	24-01977
Date:	10/10/2025
Drawn by:	JVW
Checked by:	XXX
Revisions:	

No.	Date	Description

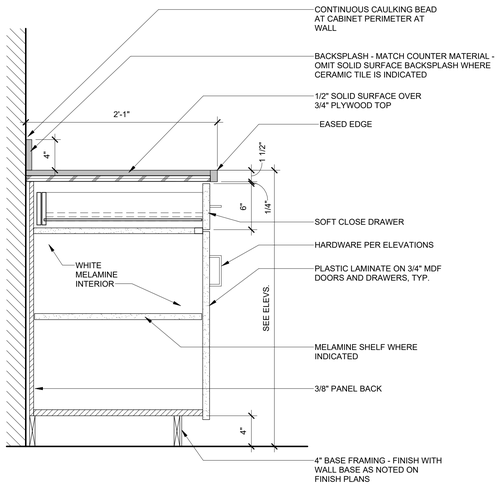
MILLWORK PLANS & DETAILS

A12.1

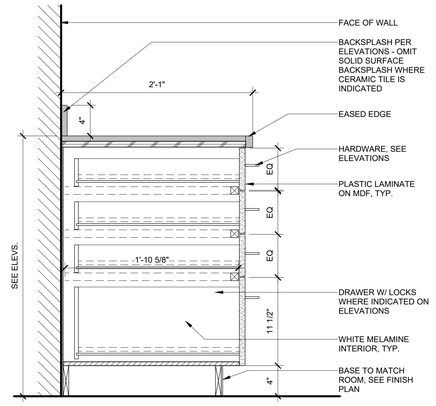
PRINTED: 10/10/2025 3:02:27 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt



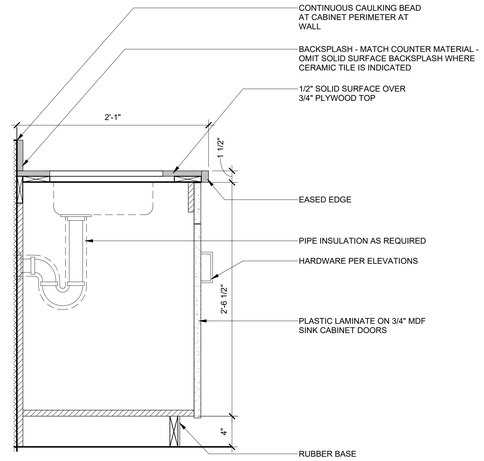
1 A12.2 UPPER AND BASE
SCALE: 1 1/2" = 1'-0"



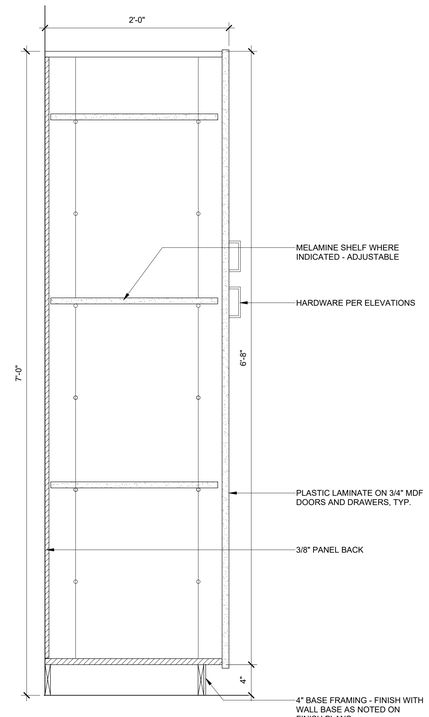
2 A12.2 BASE CAB W/ DRAWER
SCALE: 1 1/2" = 1'-0"



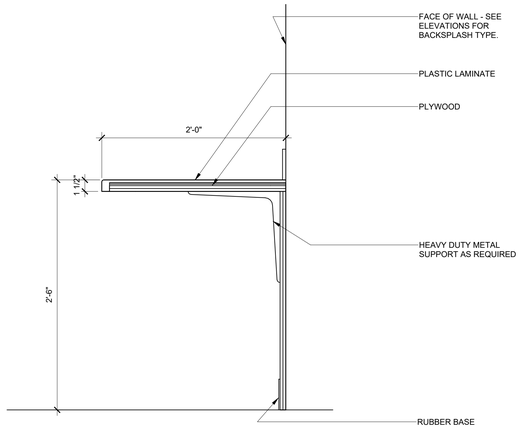
3 A12.2 BASE W/ 4 DRAWERS
SCALE: 1 1/2" = 1'-0"



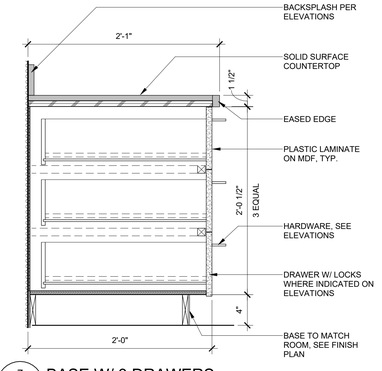
4 A12.2 ADA SINK CABINET
SCALE: 1 1/2" = 1'-0"



5 A12.2 TALL CABINET DETAIL
SCALE: 1 1/2" = 1'-0"



6 A12.2 COUNTERTOP DETAIL
SCALE: 1 1/2" = 1'-0"



7 A12.2 BASE W/ 3 DRAWERS
SCALE: 1 1/2" = 1'-0"

2WR ARCHITECTS
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

STATE OF GEORGIA
EMILY ALBRIGHT FLOURNOY
CERTIFICATE NO. RA 018245
REGISTERED ARCHITECT
10/10/2025

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	10/10/2025
Drawn by:	JYW
Checked by:	XXX

Revisions:

No.	Date	Description

MILLWORK DETAILS

A12.2

FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt
PRINTED: 10/10/2025 3:02:28 PM

GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE (2018 EDITION), AND IN STRICT COMPLIANCE WITH GOVERNING MUNICIPAL CODES (CITY, STATE, AND FEDERAL).

2. ASTM SPECIFICATIONS ARE THOSE CONTAINED IN THE LATEST EDITION OF THE STANDARDS OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).

3. IN THE CASE OF A CONFLICT BETWEEN THESE PROJECT SPECIFICATIONS, DRAWINGS, AND/OR THOSE LISTED, REFERENCED SPECIFICATIONS, OR CODE, THE MORE STRINGENT SHALL GOVERN.

4. USE ALL MEANS NECESSARY TO CONTROL DUST ON AND NEAR THE WORK AND ON AND NEAR ALL OFF-SITE BORROW AREAS IF SUCH DUST IS CAUSED BY THE CONTRACTOR'S OPERATIONS DURING PERFORMANCE OF THE WORK OR IF RESULTING FROM THE CONDITION IN WHICH THE CONTRACTOR LEAVES THE SITE.

5. THOROUGHLY MOISTEN ALL SURFACES AS REQUIRED TO PREVENT DUST BEING A NUISANCE TO THE PUBLIC, NEIGHBORS, AND CONCURRENT PERFORMANCE OF OTHER WORK ON THE SITE.

6. USE ALL MEANS NECESSARY TO PROTECT ALL MATERIALS ON THIS PROJECT BEFORE, DURING, AND AFTER INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL WORK AND MATERIALS.

7. ALL WORK SHALL BE ACCOMPLISHED IN A WORKMAN LIKE MANNER. ALL WORK SHALL BE CLEAN AND NEAT AND EASILY INSPECTED.

8. CALCULATED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

9. CONTRACTOR TO VERIFY ALL MEASUREMENTS ON JOB SITE TO ENSURE FIT. IN CASE OF DISCREPANCIES BETWEEN DRAWINGS, SHOP DRAWINGS, AND SPECIFICATIONS NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY.

10. THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE STRUCTURAL DESIGN OF BUILDING IS BASED ON THE FULL INTERACTION OF ALL ITS COMPONENT PARTS, WITH NO PROVISION FOR CONDITION OCCURRING DURING CONSTRUCTION. THEREFORE, CONTRACTOR SHALL PROVIDE ADEQUATE BRACING DURING CONSTRUCTION.

11. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES REGARDING INSERTS, CLIPS, OPENINGS, ETC., TO BE PLACED IN THE STRUCTURAL WORK. STRUCTURAL DRAWINGS DO NOT NECESSARILY SHOW ALL OPENINGS IN STRUCTURAL WORK. VERIFY NUMBER, SIZE AND LOCATION OF ALL OPENINGS IN ROOF DECK FROM ARCHITECTURAL DRAWINGS AND APPROVED MECHANICAL, PLUMBING AND ELECTRICAL SHOP DRAWINGS.

12. NO LOADS IN EXCESS OF DESIGN LOADS LISTED SHALL BE PLACED ON ANY AREA DURING CONSTRUCTION, UNLESS ADEQUATE SHORING OR OTHER METHODS APPROVED BY THE ENGINEER ARE PROVIDED TO SUPPORT THE EXCESSIVE LOADS. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE FRAMING UNTIL PERMANENT BRACING IS INSTALLED.

13. WHERE ALIGNMENT OF MATERIALS SUCH AS WALLS AND FACING MATERIALS WILL BE AFFECTED BY DEFLECTIONS AND ROTATIONS OF THE STRUCTURE DURING PLACING OF THE MATERIALS, PLACING PROCEDURES SHALL BE USED WHICH WILL ASSURE THE CORRECT FINAL POSITION OF MATERIALS.

14. ALL NOTES ON STRUCTURAL DRAWINGS SHALL BE ASSUMED TYPICAL UNLESS OTHERWISE SHOWN BY OTHER DETAILS AND/OR SECTIONS.

15. STRUCTURE DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. SHOW DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH SPECIFIED STANDARDS AND SPECIFIED REQUIREMENTS OF THIS PROJECT AS INDICATED ON THE DRAWINGS. SECTIONS AND DETAILS ARE TO BE USED IN ALL SIMILAR LOCATIONS UNLESS NOTED OTHERWISE ON DRAWINGS OR SPECIFICATIONS.

16. SEE ARCHITECTURAL DRAWINGS FOR WEATHERPROOFING DETAILS.

17. REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

18. STRUCTURAL DESIGN DRAWINGS SHALL NOT BE REPRODUCED AS SHOP DRAWINGS. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL PREPARE THEIR OWN SHOP DRAWINGS.

19. MATERIALS:

-CONCRETE (NORMAL WEIGHT - 28 DAY COMPRESSIVE STRENGTH)
-SLAB ON GRADE = 3500 PSI
-FOOTINGS, WALLS AND PILASTERS = 4000 PSI
-REINFORCING = ASTM A615, GRADE 60
-REINFORCING TO BE WELDED = ASTM A706, GRADE 60
-WELDED WIRE FABRIC = ASTM A185
-PLATES, ANGLES AND BARS = ASTM A36, Fy = 36 KSI
-STEEL TUBING (HSS) = ASTM A500, GRADE B, Fy = 46 KSI
-ELECTRODES FOR WELDING = AWS SERIES E70XX
-FRAMING ANCHORS (CONCRETE) = HILTI OR EQUIVALENT

20. FIELD VERIFY ALL EXISTING ABOVE AND BELOW GROUND CONDITIONS PRIOR TO FABRICATION AND CONSTRUCTIONS.

21. THE STRUCTURAL DESIGN OF BUILDING IS BASED ON THE FULL INTERACTION OF ALL ITS COMPONENT PARTS, WITH NO PROVISION FOR CONDITION OCCURRING DURING CONSTRUCTION. THEREFORE, CONTRACTOR SHALL PROVIDE ADEQUATE BRACING DURING CONSTRUCTION.

FOUNDATION NOTES

1. ALL FOUNDATIONS ARE DESIGNED BASED UPON AN ASSUMED ALLOWABLE BEARING CAPACITY OF 2,000 PSF. IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR RETAIN THE SERVICES OF A LICENSED GEOTECHNICAL ENGINEER LICENSED IN THE STATE OF GEORGIA TO VERIFY ALLOWABLE BEARING CAPACITY.

2. FOOTINGS AND PIERS SHOWN ON PLAN ARE DIAGRAMMATIC ONLY. REFER TO SCHEDULES AND DETAILS FOR SIZE OF EACH FOOTING AND PIER.

3. DIMENSIONS AND LINES SHOWN FOR GRADE BEAMS ARE TO INSIDE BOTTOM EDGE OF GRADE BEAM. TAPER TO SLAB NOT SHOWN FOR CLARITY.

4. CENTER LINE OF COLUMN = CENTER LINE OF FOOTING = CENTER LINE OF ANCHOR BOLT TEMPLATE UNLESS NOTED OTHERWISE.

5. ALL FILL SHALL BE SELECT STRUCTURAL FILL CLASSIFIED AS OR "ENGINEERED FILL". AFTER STRIPPING TOPSOIL FROM AREAS TO BE GRADED REMOVE ALL UNSUITABLE MATERIAL FROM EXPOSED SUB GRADE SURFACE, SUCH AS DEBRIS, TRASH OR ORGANIC MATTER. SOIL SURFACES TO RECEIVE FILL SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER BEFORE FILL IS PLACED.

6. FILL MATERIAL SHOULD BE FREE OF ORGANICS, STONE GREATER THAT SIX INCHES IN DIAMETER, OR OTHER DELETERIOUS MATERIAL. ALL FILL SHALL BE PLACED IN MAXIMUM 8" UNCOMPACTED LIFTS AND COMPACTED TO AT LEAST 95% STANDARD PROCTOR DENSITY (ASTM D698). COMPACTION SHALL BE AT THE OPTIMUM MOISTURE CONTENT +/- 2%. THE FINAL 12 INCHES (EXISTING SOIL OR ENGINEERED FILL) SHALL BE COMPACTED TO 98% STANDARD PROCTOR DENSITY. REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR GUIDANCE ON FILL MATERIAL SPECIFICATIONS AND COMPACTION EQUIPMENT AND PROCEDURES.

7. ALL FOUNDATION EXCAVATIONS SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER, AND APPROVED FOR FOOTINGS, PRIOR TO PLACING CONCRETE. ALL FOUNDATIONS SHALL BE CONCRETED PROMPTLY AFTER INSPECTION.

8. BACK FILL AGAINST WALLS SPANNING VERTICALLY SHALL NOT BE PLACED, WHERE POSSIBLE, UNTIL ALL FLOORS AGAINST THOSE WALLS ARE IN PLACE AND AT FULL DESIGN STRENGTH. IF FLOORS CANNOT BE PLACED BEFORE FILL, WALLS SHALL BE ADEQUATELY BRACED TO PREVENT OVER STRESSING OR MOVEMENT.

9. ALL MASONRY WALLS BELOW GRADE SHALL BE BACK FILLED ON BOTH SIDES OF WALL SIMULTANEOUSLY.

10. HORIZONTAL STEPS IN WALL FOOTINGS, IF REQUIRED, SHALL HAVE A MINIMUM SPACING OF DOUBLE THE CHANGE IN ELEVATION.

11. PROTECT STRUCTURAL STEEL ITEMS BELOW GRADE WITH 3" CLEAR COVER OF CONCRETE ENCASEMENT.

12. CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING CONSTRUCTION TO DIRECT RAINWATER AWAY FROM FOUNDATION CONSTRUCTION AREAS.

13. COORDINATE EXTERIOR SITE WORK, INCLUDING STEPS, WALKS, WALLS AND FINISHED GRADES, WITH FOUNDATION WORK.

14. ALL SLABS SHALL BE SUPPORTED ON A 4" LAYER OF COMPACTED CLEAN, GRANULAR BASE. THE GRANULAR BASE SHALL BE COMPACTED TO AT LEAST 98% STANDARD PROCTOR DENSITY (ASTM D698). THE GRANULAR BASE SHALL BE COMPRISED OF NATURAL OR ARTIFICIALLY GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE, AND NATURAL OR CRUSHED SAND. ASTM D 2940 WITH AT LEAST 95 PERCENT PASSING A 1-1/2" INCH SIEVE AND NOT MORE THAN 8 PERCENT PASSING A NO. 200 SIEVE.

15. A MINIMUM 10 MIL VAPOR BARRIER SHALL BE INSTALLED UNDER ALL CONCRETE SLAB WORK. ALL LAPS IN THE VAPOR BARRIER SHALL BE 6" MINIMUM AND SHALL BE TACKED TOGETHER. COORDINATE VAPOR BARRIER REQUIREMENTS WITH ARCHITECTURAL.

16. THE TOPS OF ALL FOOTINGS SHALL BE PLACED A MINIMUM OF 12" BELOW UNDISTURBED GROUND SURFACE.

17. ALL MASONRY FOUNDATION WALLS SHALL BE DAMP PROOFED IN ACCORDANCE WITH CHAPTER 18 OF IBC.

18. SLAB BASE SHOULD BE FINISHED TO THE FOLLOWING TOLERANCES: +0 in/-3/4 in. WHEN MEASURED FROM BOTTOM OF SLAB ELEVATION.

19. AS A MINIMUM, THE GEOTECHNICAL ENGINEER'S SERVICES SHALL INCLUDE:
a. PRIOR TO COMMENCEMENT OF FILLING, THE GEOTECHNICAL ENGINEER SHALL MAKE OPTIMUM MOISTURE AND MAXIMUM DENSITY TESTS IN ACCORDANCE WITH ASTM D698.
b. THE GEOTECHNICAL ENGINEER SHALL APPROVE THE SUBGRADE FOR COMPACTED STRUCTURAL FILL OR CONCRETE FOOTING SUPPORT BEFORE ANY FILL IS PLACED OR CONCRETE IS POURED.
c. THE GEOTECHNICAL ENGINEER SHALL REVIEW THE COMPACTION OPERATIONS.
d. THE GEOTECHNICAL ENGINEER SHALL RENDER FULL-TIME FIELD INSPECTION DURING FILLING OPERATIONS AND SHALL DETERMINE THE DENSITY OF EACH LAYER OF FILL.
e. RECORDS OF ALL TESTING SHALL BE MAINTAINED BY THE GEOTECHNICAL ENGINEER AND COPIES OF THE SAME BE SENT DIRECTLY TO THE ENGINEER.
f. THE FOLLOWING IS THE MINIMUM COMPACTION TESTING FREQUENCIES:
-ONE COMPACTION TEST SHALL BE MADE FOR EVERY 500 SQUARE FEET OF FILL AT EACH 12" LIFT.
-ONE COMPACTION TEST SHALL BE MADE FOR EVERY 500 SQUARE FEET OF COMPACTED GRANULAR FILL.
-COMPACTION TESTS SHOULD BE PERFORMED ON THE SUB-BASE BELOW STRIP FOOTINGS AT A MIMIMUM OF EVERY 50'.

CLASS B SPLICE LENGTHS

BAR SIZE	SPLICE LENGTH (3000 PSI CONCRETE)	SPLICE LENGTH (4000 PSI CONCRETE)
#3	17"	16"
#4	23"	20"
#5	29"	25"
#6	35"	30"
#7	62"	54"
#8	72"	62"

MASONRY NOTES

1. MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 560/ASCE 5) AND "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6) PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, EXCEPT AS MODIFIED BY THE CONTRACTOR DOCUMENTS.

2. CONCRETE BLOCK UNITS SHALL BE NORMAL WEIGHT, HOLLOW, LOAD BEARING UNITS AND COMPLY WITH ASTM C90, GRADE N, WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI ON THE NET AREA. ALL BLOCK SHALL BE TYPE 1, MOISTURE CONTROLLED UNITS.

3. BRICK UNITS SHALL COMPLY WITH ASTM C62, GRADE SW, 6000 PSI COMPRESSIVE STRENGTH.

4. ALL MORTAR IS TO BE IN ACCORDANCE WITH ASTM C270. UNLESS NOTED OTHERWISE, MORTAR FOR EXTERIOR AND FOUNDATION WALL MASONRY SHALL BE TYPE "S", PORTLAND CEMENT/LIME MORTAR. MORTAR FOR INTERIOR LOAD BEARING MASONRY SHALL BE TYPE S. MORTAR FOR INTERIOR NON-LOADBEARING MASONRY SHALL BE TYPE N OR S.

5. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL CONCRETE MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (F'M) OF 1500 PSI. ALL BRICK MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI. COMPRESSIVE STRENGTH SHALL BE DETERMINED BY THE UNIT STRENGTH METHOD.

6. ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615 (S1). NEW BILLET STEEL DEFORMED BARS SHALL BE GRADE 60.

7. ALL MASONRY REINFORCING STEEL SHALL BE INSTALLED IN ACCORDANCE WITH ACI 315, "DETAILS AND DETAILING OF CONCRETE REINFORCING".

8. MASONRY JOINT REINFORCEMENT IS TO COMPLY WITH ASTM A951, MILL GALVANIZED CARBON STEEL WIRE FOR INTERIOR WALLS AND HOT-DIP GALVANIZED, CARBON STEEL WIRE FOR EXTERIOR WALLS. HORIZONTAL JOINT REINFORCEMENT IS TO BE EITHER LADDER OR TRUSS TYPE WITH SINGLE PAIR OF SIDE RODS AND CROSS RODS SPACED NO MORE THAN 16" O.C. LAP REINFORCEMENT A MINIMUM OF 6". PLACE MORTAR ON JOINT REINFORCEMENT WHERE THE CAVITY WALL IS 4" OR MORE. HORIZONTAL JOINT REINFORCEMENT SHALL BE PROVIDED WITHIN 16" OF THE TOP AND BOTTOM OF WALLS.

9. ALL ANCHOR BOLTS AND REINFORCING IN MASONRY SHALL BE COMPLETELY GROUTED. GROUT FOR COLLAR JOINTS IN WALLS SHALL BE MORTAR. GROUT FOR REINFORCING BARS AND ANHOR BOLTS SHALL BE SAND AGGREGATE CEMENT GROUT. MASONRY CELLS TO BE GROUTED SHALL BE CLEAR OF MORTAR FINS, DEBRIS OR OTHER OBSTRUCTIONS, SUCH THAT THE FLOW OF GROUT IS NOT INHIBITED.

10. ALL GROUT FOR GROUTING MASONRY BLOCK CORES SHALL BE MIN. 3000 PSI SAND AGGREGATE CEMENT GROUT, MEETING ASTM C476. SLUMP FOR THIS GROUT SHALL BE 8". MAXIMUM GROUT LIFT TO BE 5 FT. ALLOW A MINIMUM OF 24 HOURS FOR MASONRY TO SET PRIOR TO GROUTING. ROD OR VIBRATE GROUT DURING PLACEMENT TO INSURE SOLID GROUTING. ALLOW AT LEAST 15 MINUTES BETWEEN SUCCESSIVE LIFTS.

11. ALL MASONRY AND COLLAR JOINTS BELOW FINISHED FLOOR ELEVATION ARE TO BE GROUTED SOLID.

12. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF MASONRY CONTROL JOINTS.

13. USE A FULL MORTAR BED FOR FIRST STARTER COURSE. USE FACE SHELL MORTAR BEDS ABOVE.

14. ALL REINFORCING BARS ARE TO BE LAPPED IN ACCORDANCE WITH ACI 530-99. SPLICE LENGTH TO BE 48" X BAR DIAMETER BUT NOT LESS THAN 12".

15. DURING ERECTION, COVER TOP OF WALLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK. COVER PARTIALLY COMPLETED STRUCTURES WHEN WORK IS NOT IN PROGRESS.

16. DO NOT APPLY UNIFORM FLOOR OR ROOF LOADING FOR AT LEAST 12 HOURS AFTER BUILDING MASONRY WALLS.

17. DO NOT APPLY CONCENTRATED LOADS FOR AT LEAST 3 DAYS AFTER BUILDING MASONRY WALLS OR COLUMNS.

18. ALL CMU IS TO BE LAYED WITH RUNNING BONDS WITH VERTICAL JOINTS LOCATED AT CENTER OF MASONRY UNITS IN THE ALTERNATE COURSE BELOW.

19. PROVIDE CONTINUITY AT ALL WALL CORNERS BY CONFORMING TO ONE OF THE FOLLOWING:
a. FIFTY PERCENT OF THE MASONRY UNITS AT THE INTERFACE SHALL INTERLOCK.
b. WALLS SHALL BE REGULARLY TOOTHED WITH 8 IN. MAXIMUM OFFSETS AND ANCHORED BY STEEL CONNECTORS WITH A MINIMUM SIZE OF ¼" x 1 ½" x 28" INCLUDING 2" LONG 90 DEGREE BEND AT EACH END TO FORM A U OR Z SHAPE. ANCHORS ARE TO BE SPACED VERTICALLY AT 4' O.C.

20. THE ADHESIVE REQUIRED FOR ANCHORAGE INTO GROUT FILLED CONCRETE MASONRY UNITS SHALL BE HILTI HIT HY 150 OR EQUAL. THE ADHESIVE REQUIRED FOR ANCHORAGE INTO HOLLOW CONCRETE UNITS SHALL BE HILI HIT HY 20 OR EQUAL. FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION PROCEDURES.

21. ANCHORS USED FOR MASONRY ATTACHMENT SHALL BE STANDARD HAS ROD MATERIAL MEETING THE REQUIREMENTS OF ASTM A36. ANCHOR RODS SHALL BE FURNISHED WITH CHAMFERED ENDS.

STEEL LINTEL SCHEDULE:

FOR EACH 4" THICKNESS OF WALL, THE FOLLOWING ITEMS SHALL BE USED:

STEEL (FOR BRICK WORK)

2'-0" - 5'-0"	L4" x 3 ½" x ¼ " LLV
5'-0" - 6'-0"	L4" x 3 ½" x 5/16" LLV
6'-0" - 7'-0"	L5" x 3 ½" x 5/16" LLV
7'-0" - 8'-0"	L5" x 3 ½" x 3/8" LLV
8'-0" - 9'-0"	L6" x 3 ½" x 3/8" LLV
9'-0" - 10'-0"	L7" x 4" x 3/8" LLV

1. LINTELS SHALL BEAR 8" MINIMUM EACH END UNLESS NOTED OTHERWISE AT L7"x4" BEAR 12" MIN. EACH END.

2. GROUT SOLID BETWEEN BACK TO BRICK AND ANGLE.

3. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS AT ALL STRUCTURAL SECTIONS AND DETAILS.

4. PROVIDE 12 ga. CLOSURE PLATE AS REQUIRED.

CONCRETE NOTES

1. ALL DETAILING, FABRICATION AND PLACEMENT OF REINFORCING STEEL, FORM WORK, MIXING, HANDLING, PLACING, FINISHING AND CURING OF CONCRETE SHALL BE IN ACCORDANCE WITH ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI-315) AND ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI-318).

2. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW SHOWING ALL FABRICATION DIMENSIONS AND LOCATIONS FOR PLACING REINFORCING STEEL AND ACCESSORIES. DO NOT BEGIN FABRICATION UNTIL SHOP DRAWINGS ARE COMPLETED AND REVIEWED.

3. TIE ALL REINFORCING STEEL AND EMBEDMENTS SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN THE POSITION OF REINFORCEMENT WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES.

4. CONCRETE SHALL CONFORM TO ASTM C94. MINIMUM STRENGTH AT 28 DAYS SHALL BE 3500 PSI FOR ALL CONCRETE. UNLESS NOTED OTHERWISE MAXIMUM WATER-CEMENT RATIO SHALL BE 0.50, WITH MAXIMUM SLUMP 4 INCHES. MAXIMUM SIZE OF COARSE AGGREGATE SHALL BE 1 1/2" INCH. AND ALL AGGREGATES SHALL CONFORM TO ASTM C33. NO FLY ASH WILL BE UTILIZED IN THE CONCRETE MIX DESIGN.

5. USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.

6. CONCRETE SLABS ON GRADE SHALL BE FINISHED TO THE FOLLOWING TOLERANCES: COMPOSITE FLATNESS (FF) = 25, COMPOSITE LEVELNESS (FL) = 20.

7. EXTERIOR CONCRETE SHALL BE AIR ENTRAINED. AIR CONTENT TO BE BETWEEN 4 AND 6 PERCENT BY VOLUME. MAXIMUM WATER-CEMENT RATIO SHALL BE 0.50.

8. ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615 (S1). NEW BILLET STEEL DEFORMED BARS SHALL BE GRADE 60. WELDED WIRE FABRIC (WWF) TO MEET ASTM A185. MINIMUM WWF LAP AT SPLICES TO BE 8 INCHES.

9. PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE. SPLICE ONLY AS SHOWN OR APPROVED. STAGGER SPLICES WHERE POSSIBLE. UNLESS NOTED OTHERWISE ALL REINFORCING BAR SPLICES SHALL BE ACI CLASS B TENSION LAP SPLICES.

10. THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT NEAREST THE DESCRIBED SURFACE, UNLESS OTHERWISE NOTED:
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:
6 OR LARGER BARS: 2 IN.
5 OR SMALLER BARS: 1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
SLAB AND WALLS: 1"
BEAM STIRRUPS AND COLUMN TIES: 1 1/2"

11. UNLESS OTHERWISE SHOWN ALL SLABS ON GRADE SHALL BE 4" CONCRETE WITH 6x6xW2.1xW2.1 WELDED WIRE FABRIC (1-1/2" CLEAR FROM TOP OF SLAB). WWF SHEETS ARE REQUIRED IN LIEU OF ROLLS. WELDED WIRE FABRIC SHALL BE SET ON SUPPORTS DURING CONCRETE POURING. "PULL UP" AND "WALKED IN" METHODS ARE PROHIBITTED.

12. UNLESS NOTED OTHERWISE, SLABS ON GRADE SHALL HAVE EITHER CONSTRUCTION JOINTS OR SAW CUT JOINTS SPACE SO THAT THE JOINTS FORM PANELS IN THE SLAB, WITH NO SLAB PANEL GREATER THAN 225 SQUARE FEET NOR MORE THAN 15 FEET IN ANY ONE DIRECTION. INSTALL SAW CUT CONTROL JOINTS AS SOON AS THE SLAB IS CAPABLE OF BEING SAWN WITHOUT RAVELING, BUT IN NO CASE LATER THAN 8 HOURS AFTER FINAL FINISHING HAS BEGUN.

13. INTERIOR SLAB CONCRETE SHALL RECEIVE A STEEL TROWEL FINISH. IMMEDIATELY FOLLOWING FINISHING THE CONCRETE SHALL BE PROTECTED FROM PREMATURE OR EXCESSIVE DRYING, TEMPERATURE EXTREMES AND INJURY. COORDINATE CURING PROCEDURES WITH FLOOR FINISH REQUIREMENTS. AIR CONTENT OF FLOORS TO RECEIVE TROWEL FINISH SHALL NOT EXCEED 3 PERCENT.

14. TAKE 5 CYLINDERS OF EACH CONCRETE POUR. TEST 2 AT 7 DAYS AND 2 AT 28 DAYS. HOLD ONE CYLINDER FOR POSSIBLE TEST UNTIL 60 DAYS, THEN DISPOSE OF TEST NOT REQUESTED. SEND REPORTS TO ARCHITECT AND STRUCTURAL ENGINEER.

15. THE PROPOSED MATERIALS SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE OWNERS TESTING LABORATORY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S.

16. ALL CONCRETE FORM WORK SHALL BE NEW PLYWOOD HAVING A FINISHED SURFACE AND THICKNESS SUFFICIENT TO PRODUCE STRAIGHT AND TRUE SURFACES. THE SIDES OF ALL FOOTINGS SHALL BE FORMED.

17. HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED ONLY WHERE INDICATED OR APPROVED. THE LOCATION OF VERTICAL CONSTRUCTION JOINTS SHALL BE APPROVED BY THE STRUCTUAL ENGINEER. AT ALL COLD JOINTS SCARIFY AND APPLY AN EPOXY BONDING AGENT OVER OLDER CONCRETE.

GENERAL WOOD FRAMING NOTES

1. END-JOINTED LUMBER MAY BE USED INTERCHANGEABLY WITH SOLID SAWN LUMBER OF THE SAME GRADE AND SPECIES. SUCH USES SHALL INCLUDE, BUT ARE NOT LIMITED TO, LIGHT FRAMING, STUDS, JOISTS, PLANKS AND DECKING.

2. ALL LUMBER AND WOOD STRUCTURAL PANEL MEMBERS, INCLUDING PRESERVATIVE-TREATED, 2-INCH THICK AND LESS SHALL CONTAIN NOT MORE THAN 19% MOISTURE AT THE TIME OF PERMANENT INCORPORATION IN A BUILDING OR STRUCTURE.

3. ALL CONSTRUCTION PRACTICES AND FRAMING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 2304 OF THE INTERNATIONAL BUILDING CODE.

4. THE NUMBER AND SIZE OF NAILS OR STAPLES CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THOSE SPECIFIED IN TABLE 2304.10.1 OF THE INTERNATIONAL BUILDING CODE. WHERE NAILS OF A TYPE OTHER THAN THOSE SHOWN IN THE TABLE ARE USED, THE NUMBER AND SPACING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION.

5. FASTENINGS FOR PRESERVATIVE-TREATED AND FIRE RETARDANT TREATED WOOD SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED, STAINLESS STEEL, SILICON BRONZE OR COPPER.

6. ROOF DECKING SHALL BE EXPOSURE I, ½" (NOMINAL) THICK APA RATED SHEATHING WITH A 32/16 SPAN RATING OR IN ACCORDANCE w/ ARCHITECTURAL UL RATING. ALL PANEL EDGES SHALL BE SUPPORTED WITH 2x4 BLOCKING.

7. ALL SILL PLATES IN CONTACT WITH CONCRETE OR MASONRY AND EXPOSED LUMBER SHALL BE PRESSURE-TREATED PER AWPA SPECIFICATIONS. EXPOSED ENGINEER LUMBER BEAMS SHALL BE PRESSURE-TREATED PSL HAVING A MAXIMUM MOISTURE CONTENT OF 28% (SERVICE LEVEL 2).

8. WHERE WOOD FRAMING CONNECTIONS ARE NOT SPECIFICALLY CALLED OUT ON THE PLANS, PROVIDE SHOP DRAWINGS FOR REVIEW FOR JOIST HANGERS, CLIPS, STRAPS ETC.

9. ALL PLATE MATERIAL SHALL BE #2 S.Y.P.

WOOD TRUSS NOTES

1. METAL PLATE CONNECTED WOOD TRUSSES SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ANSO/TP1 1, NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION.

2. WOOD ROOF TRUSSES SHALL BE DESIGNED AND FABRICATED BY A MEMBER FIRM OF THE TRUSS PLATE INSTITUTE TO CARRY THE FULL DEAD AND LIVE LOADS AT THE INDICATED SPACINGS AND SPANS.

3. CONNECTIONS BETWEEN TWO OR MORE WOOD MEMBERS, ALL OF WHICH ARE DESIGNED OR SPECIFIED BY THE TRUSS DESIGNER, SHALL BE DESIGNED AND SPECIFIED BY THE TRUSS DESIGNER. CONNECTIONS BETWEEN TWO OR MORE WOOD MEMBERS, ONE OR MORE OF WHICH ARE NOT DESIGNED OR SPECIFIED BY THE TRUSS DESIGNER, SHALL BE DESIGNED AND SPECIFIED BY THE BUILDING DESIGNER. CONTRACTOR TO NOTIFY BUILDING DESIGNER OF ANY REQUIREMENTS AND SHALL ALLOW APPROPRIATE TIME FOR BUILDING DESIGNER TO DESIGN REQUIRED CONNECTIONS.

COMPONENTS & CLADDING WIND PRESSURES:
(WITHOUT ANY LOAD COMB. REDUCTIONS)

WALLS - ZONE 4 = +23.0 PSF, -24.9 PSF
- ZONE 5 = +23.0 PSF, -30.7 PSF

ROOF - ZONES 1,2,3 = +17.2
- ZONE 1m = -28.8
- ZONE 1g = -28.8
- ZONE 2em = -38.5
- ZONE 2eg = -38.5
- ZONE 2r = -50.2
- ZONE 3 = -38.5

EDGE STRIP (a) = 8'-0"

WINDOW DESIGN PRESSURES USING ALLOWABLE STRESS DESIGN AND LOAD COMBINATION (D+.6W):

WALLS - ZONE 4 = +13.8 PSF, -15.0 PSF
- ZONE 5 = +13.8 PSF, -18.5 PSF

5. ENGINEERING DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO MANUFACTURING. DRAWINGS ARE TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA.

6. SEE FRAMING NOTES FOR TRUSS DESIGN LOADS

7. ALL SHAPES AND SLOPES SHALL BE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS. COORDINATE WOOD TRUSS TAILS, CANTILEVERS, AND END DIMENSIONS WITH ARCHITECTURAL WALL SECTIONS AND EAVE DETAILS.

8. PERMANENT BRACING OF TRUSS MEMBERS IS TO BE LOCATED BY THE TRUSS MANUFACTURER. BRACING IS TO BE CONNECTED USING (2) 16D COMMON NAILS AT EACH MEMBER. CROSS AND DIAGONAL BRACES ARE TO RUN AT APPROXIMATELY 45 DEGREE ANGLES.

9. TEMPORARY TRUSS BRACING DURING CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR TO INSURE THAT ALL TRUSSES ARE STABLE AND PLUMB DURING INSTALLATION.

10. THE TOP CHORDS OF THE ROOF TRUSSES WILL BE BRACED BY THE ROOF SHEATHING.

11. THE CONTRACTOR SHALL REVIEW AND APPROVE THE TRUSS PLACEMENT PLAN AND EACH TRUSS DESIGN DRAWING FOR CONFORMANCE WITH THE REQUIREMENTS AND INTENT OF THE CONSTRUCTION DESIGN DOCUMENTS, AND THE EFFECT OF THE TRUSS PLACEMENT PLAN AND EACH TRUSS DESIGN DRAWING ON OTHER TRADES INVOLVED IN THE CONSTRUCTION OF THE STRUCTURE AND THE EFFECT OF THE OTHER TRADES ON THE TRUSSES.

12. TRUSSES SHALL BE SHIPPED AND STORED IN SUCH A WAY SO AS TO PREVENT DAMAGE, WARPING, AND PROLONGED EXPOSURE TO WEATHERING ELEMENTS THAT CAN REDUCE THE STRUCTURAL INTEGRITY OF THE TRUSSES.

13. UNLESS NOTED OTHERWISE, ALL FASTENING TO STRUCTURAL WOOD SHALL BE IN ACCORDANCE WITH TABLE 2304.10.1 OF THE INTERNATIONAL BU

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL SHALL BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS OF LATEST EDITION:
   (a) AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATION FOR DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (ALLOWABLE STRESS DESIGN), WHERE THE MATERIAL USED CONSISTS OF PLATES, SHAPES, OR BARS.
   (b) AMERICAN IRON AND STEEL INSTITUTE SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, FOR MEMBERS WHICH ARE FORMED FROM SHEET OR STRIP MATERIAL.

2. UNLESS NOTED OTHERWISE ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
   PLATES, SHAPES, AND BARS: ASTM A36 OR A572 (Fy=36 OR 50 ksi).
   STRUCTURAL TUBING: ASTM A500, GRADE B (Fy=42 ksi).
   STRUCTURAL PIPE: ASTM A53, GRADE B (Fy=36 ksi).
   HIGH STRENGTH BOLTS: ASTM A325N, TYPE I.
   NUTS FOR HIGH STRENGTH BOLTS: ASTM A563DH.
   WASHERS: ASTM F436.
   ANCHOR BOLTS: ASTM A307. FURNISH WITH HEAVY HEX NUTS.

3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING MEMBER SIZES, LOCATIONS, AND SPACING FOR APPROVAL PRIOR TO MANUFACTURING.

4. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR DESIGN. FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDINGS SHALL COMPLY TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, LATEST EDITION.

5. WELDS SHALL BE E70XX ELECTRODES AND SHALL MEET ASW D1.1. WELDING SHALL BE PERFORMED BY APPROVED CERTIFIED WELDERS AND SHALL CONFORM TO THE PROVISIONS OF THE "STRUCTURAL WELDING CODE - STEEL" OF THE AMERICAN WELDING SOCIETY.

6. HIGH STRENGTH BOLTS SHALL BE SNUG TIGHT UNLESS NOTED OTHERWISE AS SLIP-CRITICAL (S.C.) OR FULLY TIGHTENED (F.T.) ON DRAWINGS.

7. SURFACE PREP ALL INTERIOR STRUCTURAL STEEL WITH SSPC-PAINT 25. TYPE II. IRON OXIDE. ZINC OXIDE. RAW LINSEED OIL AND ALKYD.

8. PAINT STRUCTUAL STEEL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. DO NOT PAINT STEEL SURFACES TO BE ENCASED IN CONCRETE, WELDED CONNECTIONS, OR CONNECTIONS DESIGNATED AS FRICTION TYPE.

9. NO OPENINGS SHALL BE CUT IN STRUCTURAL MEMBERS UNLESS SHOWN ON THE DRAWINGS AND APPROVED BY THE ENGINEER.

10. CONTRACTOR TO VERIFY ALL CONDITIONS AND ALL DIMENSIONS PRIOR TO FABRICATION OF STEEL. NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY IF ANY DISCREPANCIES EXIST.

11. CONTRACTOR IS RESPONSIBLE FOR COORDINATING MECHANICAL EQUIPMENT LOADS AND ANCHORING REQUIREMENTS WITH THE STEEL JOIST MANUFACTURER.

SCHEDULE OF SPECIAL INSPECTION SERVICE

PROJECT	TROUP COUNTY FIRE STATION				
			APPLICABLE TO THIS PROJECT		
MATERIAL / ACTIVITY	SERVICE	Y/N	EXTENT	AGENT*	DATE COMPLETED
1704.2.5 Inspection of Fabricators					
Verify fabrication/quality control procedures.	In-plant review	N	Periodic		
1705.2 Steel Construction (i.a.w. AISC 360)					
Material verification of high-strength bolts, nuts, and washers.	Review material markings and certificates of compliance	Y	Periodic	1	
Inspection of high-strength bolting:	Field inspection				
a. Snug-tight joints		Y	Periodic	1	
b. Pre-tensioned and slip-critical joints			-		
1) Turn-of-nut with matching markings		N	Periodic		
2) Direct tension indicator		N	Periodic		
3) Twist-off bolt		Y	Periodic	1	
4) Turn-of-nut without matching markings		N	Continuous		
5) Calibrated wrench		N	Continuous		
Material verification of structural steel:					
a. Identification markings	Field inspection	Y	Periodic	1	
b. Certified mill tests	Review submittals	Y	Each submittal	1	
Weld filler materials.	Review certificate of compliance and field verification	Y	Periodic	1	
Structural steel welding:	Shop and field inspection				
a. Complete and partial penetration groove welds		Y	Continuous	1	
b. Multi-pass fillet welds		N	Continuous		
c. Single-pass fillet welds > 5/16"		N	Continuous		
d. Single-pass fillet welds < 5/16"		Y	Periodic	1	
e. Floor and deck welds		N	Periodic		
Reinforcing steel welding:	Shop and field inspection				
a. Verification of weldability of steel other than ASTM A 706		Y	Periodic	1	
b. Reinforcing steel-resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special concrete shear walls, and shear reinforcement		N	Continuous		
c. Shear reinforcement		Y	Continuous	1	
d. Other reinforcing steel		Y	Periodic	1	
Inspection of steel frame joint details for compliance with approved construction documents.	Field inspection				
a. Details such as bracing & stiffening		N	Periodic		
b. Member locations		N	Periodic		
c. Application of joint details at each connection		N	Periodic		
1705.3 Concrete Construction					
Inspection of reinforcing steel installation.	Field inspection	Y	Periodic.	1	
Inspection of prestressing steel installation.	In-plant or field review	N	Periodic		
Inspection of prestressed concrete:	In-plant or field review	N			
a. Application of prestressing force		N	Continuous		
b. Grouting of bonded prestressing tendons in the seismic-force-resisting system		N	Continuous		
Inspection of anchor bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased per IBC section 1911.5 or where strength design is used	Field inspection	Y	Continuous	1	
Inspection of anchors and reinforcing steel installed in hardened concrete: verify anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque	Field inspection	Y	Periodic	1	
Verify use of approved design mix	Field review	Y	Periodic	1	
Fresh concrete sampling.	Field testing	Y	Continuous	1	
Inspection of concrete and shotcrete placement for proper application techniques	Field inspection	Y	Continuous	1	
Concrete and shotcrete curing operations.	Field inspection	Y	Periodic	1	
Erection of precast concrete members.	Field inspection	N	Periodic		
Concrete strength testing and verification of compliance with construction documents	Field testing and review of laboratory reports	Y	Periodic	1	
Verification of in-situ concrete strength, prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	Review field testing and laboratory reports	N	Periodic		
Inspection of formwork for shape, lines, location and dimensions	Field inspection	Y	Periodic	1	

1705.4 Masonry Construction					
Verify proportions of site prepared mortar, grout and prestressing grout for bonded tendons.	Field and submittal review	N	Periodic		
Verify construction of mortar joints.	Field inspection	Y	Periodic	1	
Verify location of reinforcement and connectors, and placement of prestressing tendons and anchorages.	Field inspection	Y	Periodic	1	
Verify prestressing technique	Field inspection	N	Periodic		
Verify size and location of structural masonry elements.	Field and submittal review	Y	Periodic	1	
Verify type, size, and location of anchors, including details of anchorage of masonry to structural members, frames, or other construction.	Field inspection	N	Level 1 - Periodic		
		Y	Level 2 - Continuous	1	
Verify size, grade, and type of reinforcement.	Field inspection	Y	Periodic	1	PRIOR TO ALL POURS
Verify welding of reinforcing bars.	Field inspection	N	Continuous		
Verify protection of masonry during hot/cold weather.	Field inspection	Y	Periodic	1	
Verify grout space is clean prior to grouting.	Field inspection	N	Level 1 - Periodic		
		Y	Level 2 - Continuous	1	
Verify grout placement complies with code and construction document provisions.	Field inspection	Y	Continuous	1	
Testing of grout specimens, mortar specimens, and/or prisms required by construction documents	Field testing	Y	Periodic	1	
Observe preparation of prisms required by construction documents	Field inspection	Y	Continuous	1	
Verify compliance with required testing and inspection provisions of construction documents and the approved submittals.	Field testing and inspection	Y	Periodic	1	
Verify grade and size of prestressing tendons and anchorages.	Field inspection	N	Periodic		
Verify proper grouting of prestressing tendons.	Field inspection	N	Continuous		
Verify application and measurement of prestressing force	Field inspection	N	Level 1 - Periodic		
		N	Level 2 - Continuous		
1705.5 Wood Construction					
Inspection of the fabrication process of wood structural elements and assemblies in accordance with Section 1705.5.2	In-plant review	N	Periodic		
For high-load diaphragms, verification of grade and thickness of structural panel sheathing.	Field inspection	N	Periodic		
For high-load diaphragms, verify nominal size of framing members at adjoining panel edges, nail or staple diameter and length, number of fastener lines, and that spacing between fasteners in each line and at edge margins agrees with approved bldg plans.	Field inspection	N	Periodic		
1705.6 Soils					
Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Field inspection	Y	Periodic	1	
Verify excavations are extended to proper depth and have reached proper material.	Field inspection	Y	Periodic	1	
Perform classification and testing of controlled fill materials.	Field inspection	Y	Periodic	1	
Verify use of proper materials, densities, and lift thicknesses during placement and compaction of controlled fill	Field inspection	Y	Continuous	1	
Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly	Field inspection	Y	Periodic	1	
1705.7 Pile Foundations					
Verify pile materials, sizes and lengths comply with requirements.	Field inspection and submittal review.	N	Continuous		
Verify capacities of test piles and results of additional load tests, as required.	Field inspection and submittal review.	N	Continuous		
Observe pile driving operations and maintain complete and accurate records for each pile	Field inspection and submittal review. Submittal to the bldg official of the results of pile load tests.	N	Continuous		
Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, verify required penetrations to achieve design capacity, record tip and butt elevations, and document any pile damage.	Field inspection and submittal review	N	Continuous		
For steel piles, perform additional inspections per Section 1705	See Section 1705.7	N	See Section 1704.3		
For concrete piles and concrete-filled piles, perform additional inspections per Section 1705	See Section 1705.8	N	See Section 1704.4		
For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	Field inspection as required by E.O.R.	N	Periodic		
		N	Continuous		

1705.13 Sprayed Fire-resistant Materials					
Verify surface condition preparation of structural members.	Field inspection	N	Periodic		
Verify application of sprayed fire-resistant materials.	Field inspection	N	Periodic		
Verify average thickness of sprayed fire-resistant materials applied to structural members.	Field inspection	N	Periodic		
Verify density of the sprayed fire-resistant material complies with approved fire-resistant design.	Field inspection and submittal review	N	Periodic		
Verify the cohesive/adhesive bond strength of the cured sprayed fire-resistant material.	Field inspection and submittal review	N	Per IBC Section 1704.10.5		
1705.11.5 Architectural Components Special Inspections for Seismic Resistance					
Inspection during the erection and fastening of exterior cladding and interior and exterior veneer.	Field inspection	N	Periodic		
Inspection during the erection and fastening of interior and exterior non load bearing walls.	Field inspection	N	Periodic		
1705.11.6 Mechanical and Electrical Components Special Inspections for Seismic Resistance					
Inspection during the anchorage of electrical equipment for emergency or standby power systems.	Field inspection	N	Periodic		
Inspection during the anchorage of other electrical equipment.	Field inspection	N	Periodic		
Inspection during installation of piping systems intended to carry flammable, combustible, or highly toxic contents and their associated mechanical units.	Field inspection	N	Periodic		
Inspection during the installation of HVAC ductwork that will contain hazardous materials	Field inspection	N	Periodic		
Inspection during the installation of vibration isolation systems.	Field inspection	N	Periodic		
Certificates of compliance used in masonry construction	Review submittals	N	Each submittal		
Verification of f'm and f'AAC prior to construction	Review submittals	N	Each Submittal		
Verification of f'm and f'AAC every 5000 SF during construction	Review submittals and field testing	N	Periodic		
Verification of proportions of materials in mortar and grout as delivered to the site	Field review	N	Periodic		
170511.8 Seismically Isolated Structures					
Test seismic isolation system in accordance with ASCE 7 Section 17.8	Prototype testing	N	Per ASCE 7		

* INSPECTION AGENTS	FIRM		ADDRESS		TELEPHONE NO.
1. T.B.D.	T.B.D.				

Notes: 1. The inspection and testing agent(s) shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work. The qualifications of the Special Inspector(s) and/or testing agencies may be subject to the approval of the Building Official and/or the Design Professional.

2. The list of Special Inspectors may be submitted as a separate document, if noted so above.

3. Inspection of fabricators is not required where the fabricator is approved in accordance with IBC Section 1704.2.2.

Encircle "Yes" or "No" as appropriate and date this document below:

Are Requirements for Seismic Resistance included in the Statement of Special Inspections?	Yes	
Are Requirements for Wind Resistance included in the Statement of Special Inspections?	Yes	
DATE:		

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED PROFESSIONAL ENGINEER GREGORY BRENT WRIGHT

WRIGHT ENGINEERING, LLC
A TP ENGINEERING COMPANY
7413 Whitesville Road
Bldg. B20 Columbus, GA 31904
Ph: (706) 507-0232
www.wrightengr.net

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

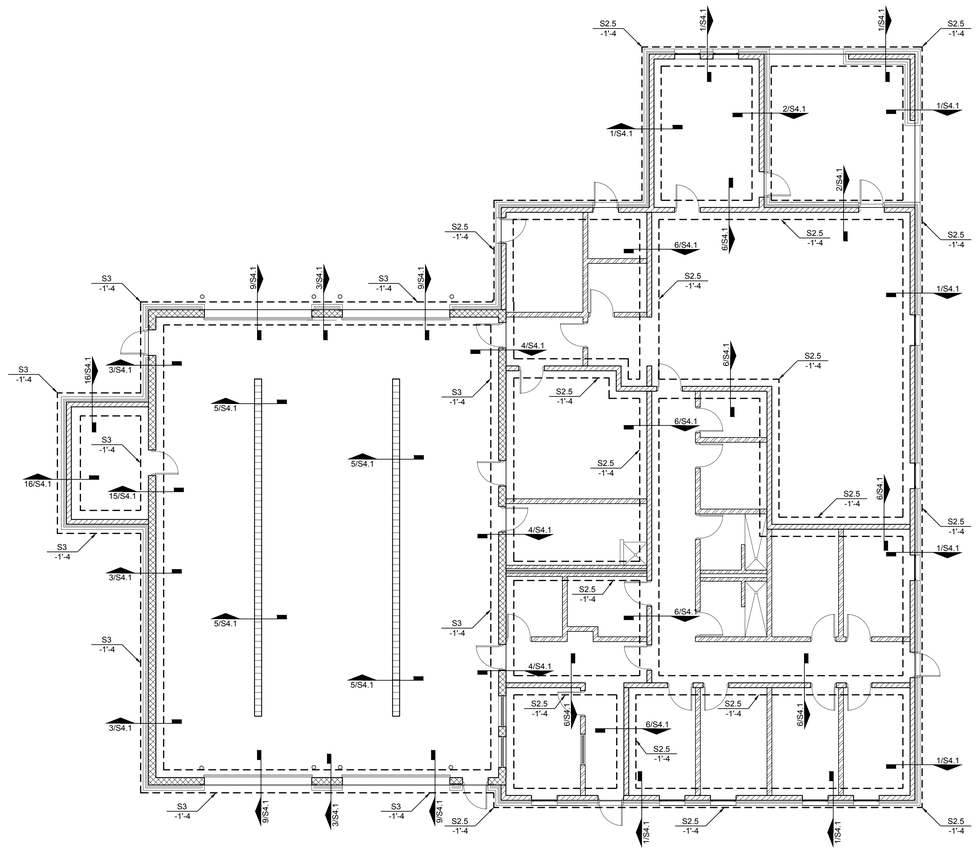
100% CONSTRUCTION DOCUMENTS

Project No.: 24-01951
Date: 2/15/2025
Drawn by: AJD
Checked by: CLS
Revisions:

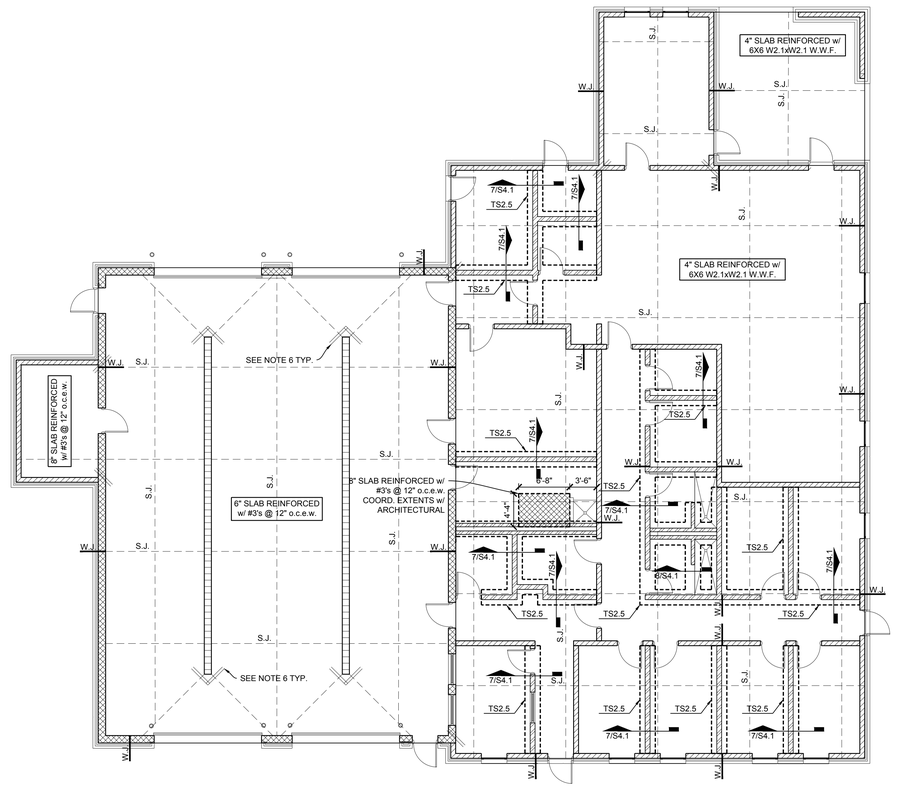
No.	Date	Description

SPECIAL INSPECTIONS

S0.2



1 FOUNDATION PLAN
SCALE: 1/8"=1'-0



2 SLAB & WALL PLAN
SCALE: 1/8"=1'-0

FOOTING SCHEDULE			
MARK NO.	SIZE / DESCRIPTION	REINFORCING	REMARKS
TS2.5	2'-0" x 1'-0" THK.THICKENED SLAB	(3) #5's LONG. #5's LAT @ 24"o.c.	REINFORCE BOTTOM ONLY
S2.5	2'-6" STRIP x1'-4" THK.	(3) #5's LONG. #5's LAT @ 12"o.c.	REINFORCE TOP & BOTTOM
S3	3'-0" STRIP x1'-4" THK.	(4) #5's LONG. #5's LAT @ 12"o.c.	REINFORCE TOP & BOTTOM

NOTE: SEE 2/S1.1 FOR THICKENED SLAB LAYOUT.

PLAN NOTES:

1. " W.J. " ON PLAN DENOTES SLAB CONTROL/CONTRACTION JOINT. INSTALL CONTROL JOINTS IN MASONRY WALLS NO GREATER THAN 25'-0 APART. SEE DETAILS.

2. GROUT FILL ALL MASONRY CELLS BELOW F.F.E. REINFORCING FROM FOUNDATION TO MATCH WALL REINFORCING. ENSURE LAP LENGTHS EXTEND FROM F.F.E. INTO WALL (NOT FOUNDATION ELEVATION.)

3. CONTRACTOR TO COORDINATE ALL PLUMBING REQUIREMENTS/FLOOR DRAINS w/ MEP/ARCH DRAWINGS.

4. SEE DETAILS, COORDINATE TRENCH DRAIN REQUIREMENTS WITH MANUFACTURER AND ARCHITECTURAL.

5. "S.J." ON PLAN INDICATES SAWCUT CONTROL JOINTS OR CONSTRUCTION JOINTS @ CONTRACTORS OPTION. SEE DETAILS 10-13/S4.1.

6. PROVIDE (2) #3 x 16" RE-ENTRANT BARS AT ALL CORNERS.

7. VERIFY ALL DIMENSIONS w/ ARCHITECTURAL DRAWINGS.

8. SLOPE INTERIOR SLABS AS REQUIRED. COORDINATE WITH ARCHITECTURAL.

9. ALLOW SLAB TO CURE FOR 28 DAYS BEFORE ERECTION OF BLOCK BEGINS.

WALL SCHEDULE			
MARK NO.	SIZE / DESCRIPTION	REINFORCING/REMARKS	WALL HATCHES
W1	12" CMU WALL	#6's @ 16" o.c.	
W2	8" CMU WALL	#5's @ 16" o.c.	
W3	NON LOAD BEARING 8" CMU WALL	#5's @ 32" o.c.	

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. PE030604 JEREMY BRENT WRIGHT ENGINEER

WRIGHT ENGINEERING, LLC
A TP ENGINEERING COMPANY
7413 Whitesville Road Ph: (706) 507-0232
Bldg. B20 Columbus, GA 31904 www.wrighteng.net

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

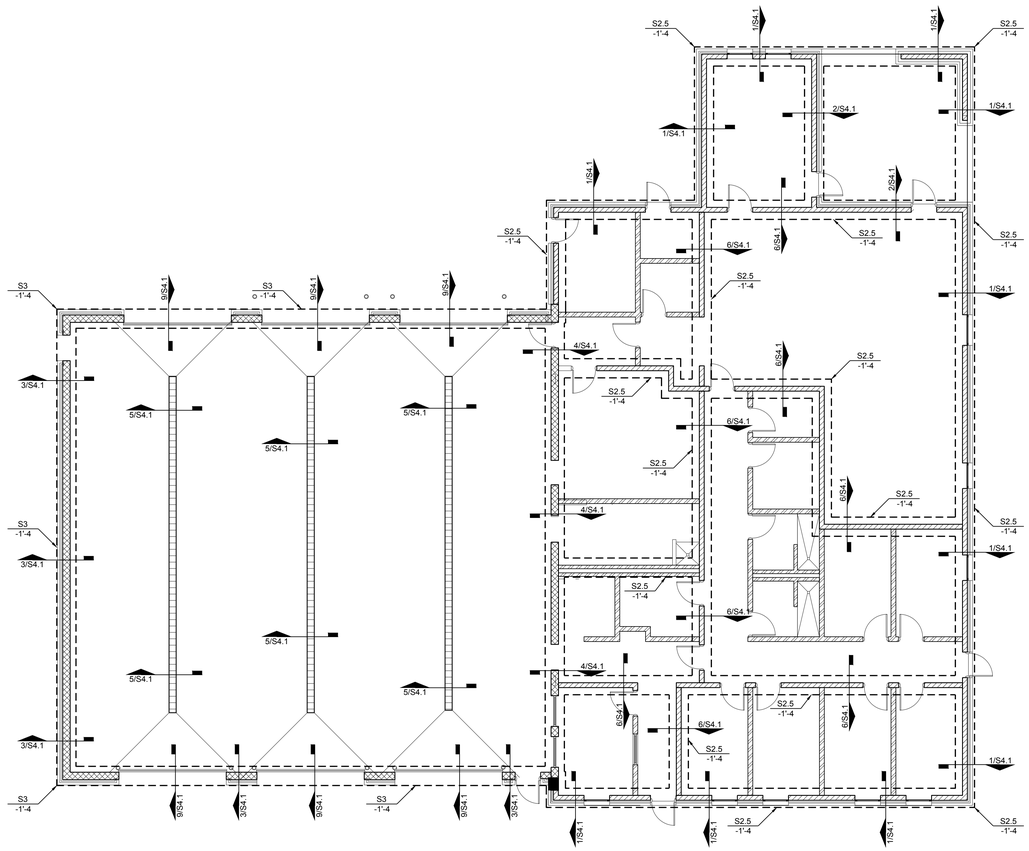
100% CONSTRUCTION DOCUMENTS

Project No.: 24-01951
Date: 2/15/2025
Drawn by: AJD
Checked by: CLS
Revisions:

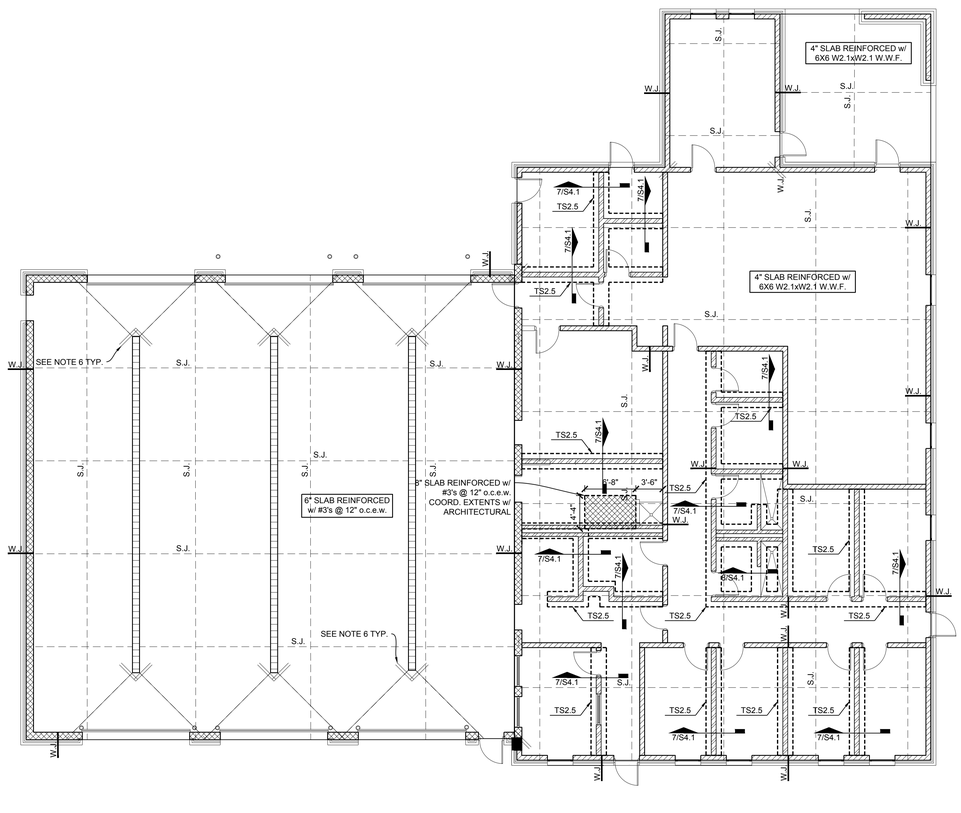
No.	Date	Description

FOUNDATION & SLAB PLANS

S1.1



1 FOUNDATION PLAN
SCALE: 1/8"=1'-0



2 SLAB & WALL PLAN
SCALE: 1/8"=1'-0

FOOTING SCHEDULE			
MARK NO.	SIZE / DESCRIPTION	REINFORCING	REMARKS
TS2.5	2'-0" x 1'-0" THK.THICKENED SLAB	(3) #5's LONG. #5's LAT @ 24"o.c.	REINFORCE BOTTOM ONLY
S2.5	2'-6" STRIP x1'-4" THK.	(3) #5's LONG. #5's LAT @ 12"o.c.	REINFORCE TOP & BOTTOM
S3	3'-0" STRIP x1'-4" THK.	(4) #5's LONG. #5's LAT @ 12"o.c.	REINFORCE TOP & BOTTOM

NOTE: SEE 2/S1.1 FOR THICKENED SLAB LAYOUT.

PLAN NOTES:

1. " W.J. " ON PLAN DENOTES SLAB CONTROL/CONTRACTION JOINT. INSTALL CONTROL JOINTS IN MASONRY WALLS NO GREATER THAN 25'-0 APART. SEE DETAILS.

2. GROUT FILL ALL MASONRY CELLS BELOW F.F.E. REINFORCING FROM FOUNDATION TO MATCH WALL REINFORCING. ENSURE LAP LENGTHS EXTEND FROM F.F.E. INTO WALL (NOT FOUNDATION ELEVATION.)

3. CONTRACTOR TO COORDINATE ALL PLUMBING REQUIREMENTS/FLOOR DRAINS w/ MEP/ARCH DRAWINGS.

4. SEE DETAILS, COORDINATE TRENCH DRAIN REQUIREMENTS WITH MANUFACTURER AND ARCHITECTURAL.

5. "S.J." ON PLAN INDICATES SAWCUT CONTROL JOINTS OR CONSTRUCTION JOINTS @ CONTRACTORS OPTION. SEE DETAILS 10-13/S4.1.

6. PROVIDE (2) #3 x 16" RE-ENTRANT BARS AT ALL CORNERS.

7. VERIFY ALL DIMENSIONS w/ ARCHITECTURAL DRAWINGS.

8. SLOPE INTERIOR SLABS AS REQUIRED. COORDINATE WITH ARCHITECTURAL.

9. ALLOW SLAB TO CURE FOR 28 DAYS BEFORE ERECTION OF BLOCK BEGINS.

WALL SCHEDULE			
MARK NO.	SIZE / DESCRIPTION	REINFORCING/REMARKS	WALL HATCHES
W1	12" CMU WALL	#6's @ 16" o.c.	
W2	8" CMU WALL	#5's @ 16" o.c.	
W3	NON LOAD BEARING 8" CMU WALL	#5's @ 32" o.c.	

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED PE No. PE030004 ENGINEER JEREMY BRENT WRIGHT

WRIGHT ENGINEERING, LLC
A TP ENGINEERING COMPANY
7413 Whitesville Road Ph: (706) 507-0232
Bldg. B20 Columbus, GA 31904 www.wrighteng.net

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

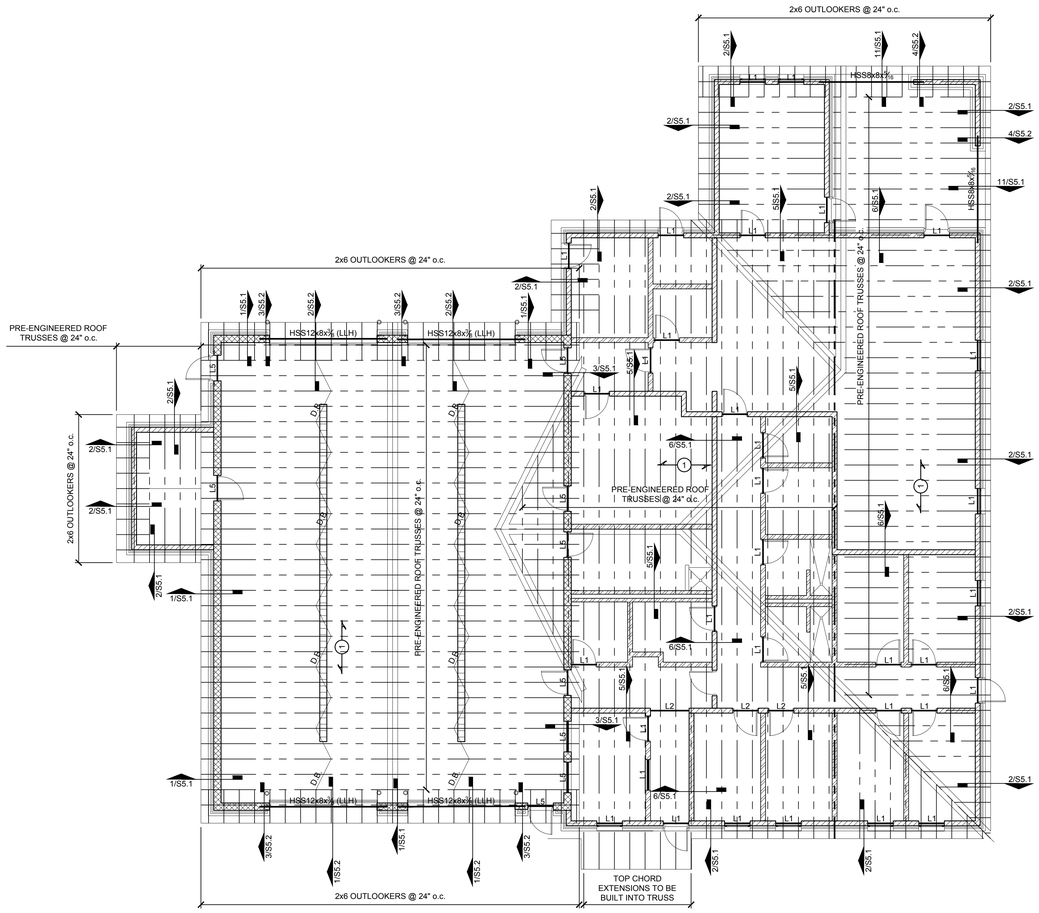
100% CONSTRUCTION DOCUMENTS

Project No.: 24-01951
Date: 2/15/2025
Drawn by: AJD
Checked by: CLS
Revisions:

No.	Date	Description

FOUNDATION & SLAB PLANS (ALTERNATE)

S1.1A



1 ROOF FRAMING PLAN

SCALE: 1/8"=1'-0

ROOF FRAMING PLAN NOTES:

1. ⟨1⟩ INDICATES ½" PLYWOOD OR OSB ROOF DECK MINIMUM OR IN ACCORDANCE w/ ARCHITECTURAL UL REQUIREMENTS - TYPICAL. SEE DETAILS FOR ATTACHMENTS REQUIREMENTS. BLOCK ALL PANEL EDGES.

2. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.

3. ALL ROOF FRAMING SHALL BE PRE-ENGINEERED WOOD TRUSSES @ 24"o.c. MAX U.N.O.

4. "DB" ON PLAN INDICATES LOCATIONS OF DIAGONAL TRUSS BRACING, SEE DETAIL.

5. CONTRACTOR SHALL COORDINATE ALL ROOF TRUSS CONNECTION REQUIREMENTS WITH FINAL REVIEWED ROOF TRUSS SHOP DRAWINGS. CONNECTIONS ARE SUBJECT TO CHANGE BASED ON ROOF TRUSS MANUFACTURER'S FINAL REACTIONS.

6. PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND REACTIONS FOR ALL PRE-FABRICATED CANOPIES

LINTEL SCHEDULE

MARK NO.	SIZE / DESCRIPTION	REINFORCING	REMARKS
L1	8"x8" DEEP BOND BEAM	(2)- #5s LONG.	GROUT FILL ALL CELLS
L2	8"x16" DEEP BOND BEAM	(4)- #5s LONG. (2 EACH COURSE)	GROUT FILL ALL CELLS
L3	8"x24" DEEP BOND BEAM	(6)- #5s LONG. (2 EACH COURSE)	GROUT FILL ALL CELLS
L4	12"x8" DEEP BOND BEAM	(2)- #5s LONG.	GROUT FILL ALL CELLS
L5	12"x16" DEEP BOND BEAM	(4)- #5s LONG. (2 EACH COURSE)	GROUT FILL ALL CELLS
L6	12"x24" DEEP BOND BEAM	(6)- #5s LONG. (2 EACH COURSE)	GROUT FILL ALL CELLS
SEE DETAIL 6/S4.0 FOR ALL OPENING JAMB REQUIREMENTS			

ROOF TRUSS CONNECTION SCHEDULE

CONDITION	CONNECTION
TRUSS @ LOWER ROOF	HTSM16+(2)H3
TRUSS @ HIGHER ROOF	(2)HTSM16+(2)H3
INTERIOR CMU BEARING WALL	(4)H3
STEEL ROOF BEAM	SEE DETAILS
HIP TRUSS	VGT W/ ¾" THREADED ROD 5" MIN EMBED INTO BOND BEAM w/ 3" HOOK OR WELDED TO STEEL BEAM
1-PLY GIRDER	
2-PLY GIRDER	
3-PLY GIRDER	

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED PROFESSIONAL ENGINEER JEREMY BRENT WRIGHT

WRIGHT ENGINEERING, LLC
A TP ENGINEERING COMPANY
7413 Whitesville Road Ph: (706) 507-0232
Bldg. B20 Columbus, GA 31904 www.wrighteng.net

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

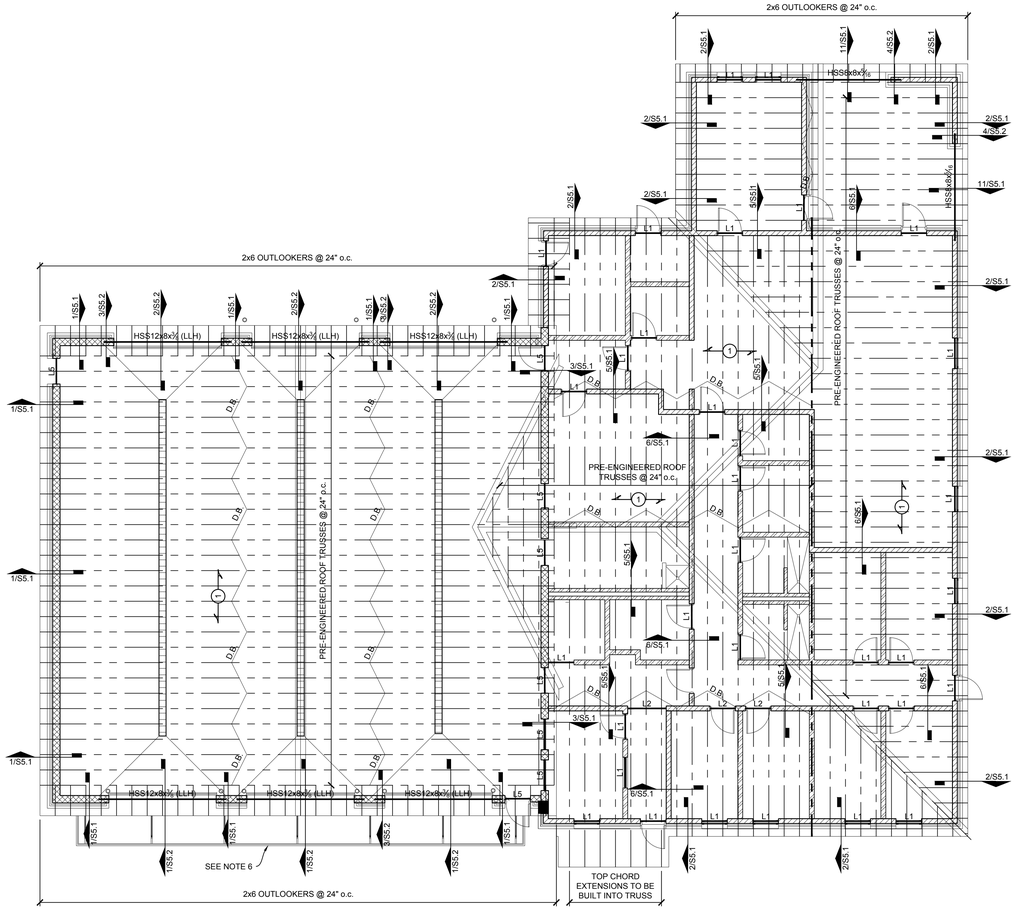
100% CONSTRUCTION DOCUMENTS

Project No.: 24-01951
Date: 2/15/2025
Drawn by: AJD
Checked by: CLS
Revisions:

No.	Date	Description

ROOF FRAMING PLAN

S2.1



1 ROOF FRAMING PLAN

SCALE: 1/8"=1'-0

ROOF FRAMING PLAN NOTES:

1. ① INDICATES ½" PLYWOOD OR OSB ROOF DECK MINIMUM OR IN ACCORDANCE w/ ARCHITECTURAL UL REQUIREMENTS - TYPICAL. SEE DETAILS FOR ATTACHMENTS REQUIREMENTS. BLOCK ALL PANEL EDGES.

2. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.

3. ALL ROOF FRAMING SHALL BE PRE-ENGINEERED WOOD TRUSSES @ 24"o.c. MAX U.N.O.

4. "DB" ON PLAN INDICATES LOCATIONS OF DIAGONAL TRUSS BRACING, SEE DETAIL.

5. CONTRACTOR SHALL COORDINATE ALL ROOF TRUSS CONNECTION REQUIREMENTS WITH FINAL REVIEWED ROOF TRUSS SHOP DRAWINGS. CONNECTIONS ARE SUBJECT TO CHANGE BASED ON ROOF TRUSS MANUFACTURER'S FINAL REACTIONS.

6. PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND REACTIONS FOR ALL PRE-FABRICATED CANOPIES

LINTEL SCHEDULE

MARK NO.	SIZE / DESCRIPTION	REINFORCING	REMARKS
L1	8"x8" DEEP BOND BEAM	(2)- #5s LONG.	GROUT FILL ALL CELLS
L2	8"x16" DEEP BOND BEAM	(4)- #5s LONG. (2 EACH COURSE)	GROUT FILL ALL CELLS
L3	8"x24" DEEP BOND BEAM	(6)- #5s LONG. (2 EACH COURSE)	GROUT FILL ALL CELLS
L4	12"x8" DEEP BOND BEAM	(2)- #5s LONG.	GROUT FILL ALL CELLS
L5	12"x16" DEEP BOND BEAM	(4)- #5s LONG. (2 EACH COURSE)	GROUT FILL ALL CELLS
L6	12"x24" DEEP BOND BEAM	(6)- #5s LONG. (2 EACH COURSE)	GROUT FILL ALL CELLS
SEE DETAIL 6/S4.0 FOR ALL OPENING JAMB REQUIREMENTS			

ROOF TRUSS CONNECTION SCHEDULE

CONDITION	CONNECTION
TRUSS @ LOWER ROOF	HTSM16+(2)H3
TRUSS @ HIGHER ROOF	(2)HTSM16+(2)H3
INTERIOR CMU BEARING WALL	(4)H3
STEEL ROOF BEAM	SEE DETAILS
HIP TRUSS	VGT W/ ⅞" THREADED ROD 5" MIN EMBED INTO BOND BEAM w/ 3" HOOK OR WELDED TO STEEL BEAM
1-PLY GIRDER	
2-PLY GIRDER	
3-PLY GIRDER	

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED PROFESSIONAL ENGINEER JEREMY BRENT WRIGHT

WRIGHT ENGINEERING, LLC
A TP ENGINEERING COMPANY
7413 Whitesville Road Ph: (706) 507-0232
Bldg. B30 Columbus, GA 31904 www.wrightengr.net

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

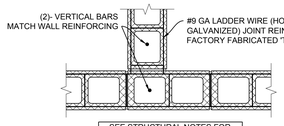
100% CONSTRUCTION DOCUMENTS

Project No.:	24-01951
Date:	2/15/2025
Drawn by:	AJD
Checked by:	CLS
Revisions:	

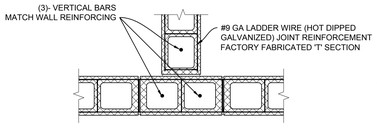
No.	Date	Description

ROOF FRAMING PLAN (ALTERNATE)

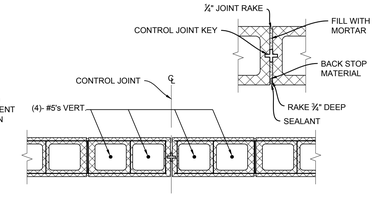
S2.1A



INTERSECTION DETAIL



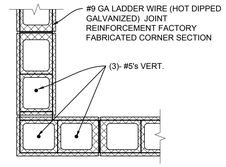
INTERSECTION DETAIL



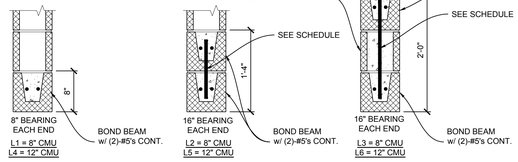
JOINT REINFORCING AND REINFORCING BARS STOP AT THE CONTROL JOINT EXCEPT AT BOND BEAMS THAT OCCUR AT ROOF

JOINTS OF INTERIOR / EXTERIOR WALLS SHALL NOT BE SPACED GREATER THAN 35'-0 APART
SEE PLAN FOR PROPOSED LOCATIONS.

CMU WALL CONTROL JOINT DETAIL



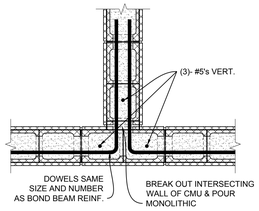
TYPICAL CORNER DETAIL



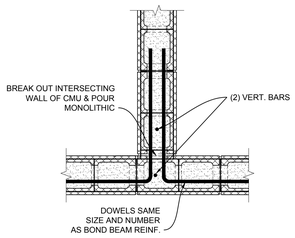
SEE PLAN FOR LOCATIONS

1 TYP. WALL REINFORCING DETAILS

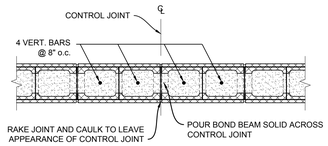
SCALE: 1"=1'-0



BOND BEAM / LINTEL
INTERSECTION DETAIL



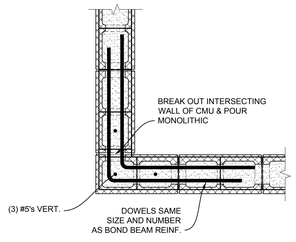
BOND BEAM / LINTEL
INTERSECTION DETAIL



JOINT REINFORCING AND REINFORCING BARS STOP AT THE CONTROL JOINT EXCEPT AT BOND BEAMS THAT OCCUR AT FLOOR AND ROOF

LOCATE CONTROL JOINTS AS SPECIFIED IN THE PLANS AND SPECIFICATIONS.

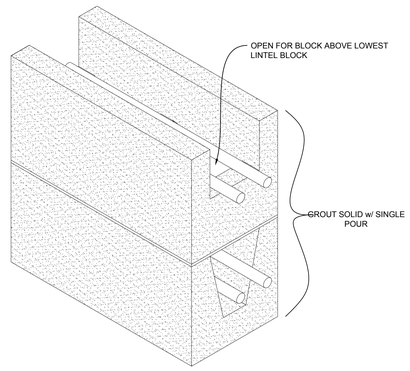
BOND BEAM / LINTEL
CMU WALL CONTROL JOINT DETAIL



BOND BEAM / LINTEL
CORNER DETAIL

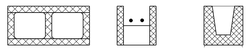
2 LINTEL DETAILS

SCALE: 1"=1'-0



3 TYP. WALL REINFORCING DETAILS

SCALE: N.T.S.



BOND BEAM BLOCK
(KNOCK OUT BLOCK)

LINTEL BLOCK SECTION

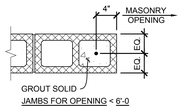
TYP. CMU BLOCK
(PLAN)

NOTE:

1. ALL CMU SHALL HAVE ONLY 2 CELLS (EXCEPT LINTEL BLOCKS)

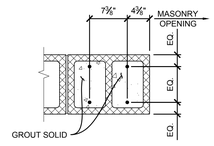
5 TYP. MASONRY UNITS

SCALE: N.T.S.



JAMBS FOR OPENING < 6'-0

NOTE: JAMB BARS ARE THE SAME AS TYPICAL REINFORCING INCLUDING SIZE, GRADE, FOOTING, AND TERMINATION AT T/WALL.

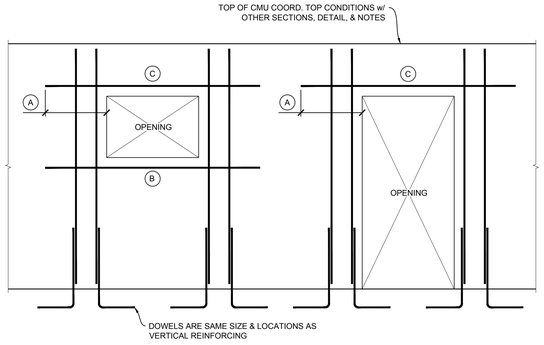


JAMBS FOR OPENING @ ALL 12" CMU OPENINGS

NOTE: JAMB BARS ARE THE SAME AS TYPICAL REINFORCING INCLUDING SIZE, GRADE, FOOTING, AND TERMINATION AT T/WALL.

6 TYP. JAMB DETAILS

SCALE: N.T.S.



(A) EXTEND BOND BEAM/LINTEL 40" IN ACCORDANCE WITH BEARING REQUIREMENTS.

(B) BOND BEAM AT OPENING SILL

(C) LINTEL AT OPENING HEAD

MASONRY WALL OPENING NOTES

1. SEE MASONRY GENERAL NOTES FOR JOINT REINF. REQUIREMENTS.

2. SEE LINTEL SCHEDULE FOR LINTEL & BOND BEAM DEPTH AND JAMB WIDTH.

3. LINTEL BOND BEAM, AND VERTICAL JAMB BARS SHALL BE SAME SIZE AS ADJACENT WALL REINF.

4. FOR VERTICAL REINF. OF 2 OR MORE BARS, EACH BAR SHALL BE PLACED IN A SEPRATE CELL U.N.O.

5. VERTICAL BARS SHALL BE IN ADDITION TO THE NORMAL WALL REINF. U.N.O.

6. HOOK WALL VERTICAL REINFORCING AT TOP OF WALL TYP.

7. ADJACENT OPENINGS 2'-8 OR LESS APART.
   A. REINFORCE ALL VERTICAL CELLS BETWEEN OPENINGS
   B. IF LINTEL BOTTOMS ALIGN, EXTEND THE WIDER OPENINGS LINTEL CONTINUOUS OVER BOTH OPENINGS.

8. ALL LINTELS OR BOND BEAMS HAVE 2 BARS CONT IN EACH COURSE U.N.O

9. ALL JAMBS HAVE TWO BARS IN EACH CELL OF JAMB WIDTH.

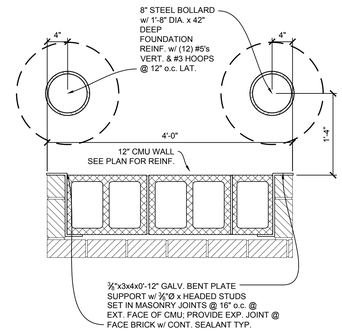
10. DO NOT LOCATE PLUMBING OR ELECTRICAL IN WALL AT LOCATION OF REINFORCED / FILLED CELL. IF PLUMBING OR ELECTRICAL LOCATION IS CRITICAL NOTIFY S.E.R. FOR DIRECTION.

CONTRACTOR SHALL COORDINATE ALL CONDUIT AND PLUMBING IN CMU WALLS PRIOR TO SUBMITTING WALL REINFORCING/LINTEL SHOP DRAWINGS. ALL CONDUIT AND PLUMBING SHALL BE SHOWN ON THESE SHOP DRAWINGS. AT LINTEL BEARING LOCATIONS IF ADJACENT CELLS ARE OCCUPIED WITH ELECTRICAL OR PLUMBING, REINFORCE AND FILL ADJACENT CELLS. NOTE THAT ALL LINTELS SHALL EXTEND OVER REINFORCED CELLS AND ACHIEVE THE REQUIRED BEARING OVER FILLED AND REINFORCED CELLS.

ADDITIONALLY, CONTRACTOR SHALL COORDINATE MECHANICAL OPENINGS PRIOR TO SUBMITTING WALL REINFORCING / LINTEL SHOP DRAWINGS. FOR MECHANICAL OPENINGS BETWEEN 0' AND 3' USE LINTEL L1. FOR MECHANICAL OPENINGS BETWEEN 3'-1 AND 6' USE LINTEL L2. SHOW LOCATIONS AND OPENING SIZES ON SHOP DRAWINGS FOR REVIEW BY EOR.

4 ENLARGE DETAIL (BOND BEAM / LINEL)

SCALE: N.T.S.



7 TYP. BOLLARD DETAIL

SCALE: N.T.S.

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED PROFESSIONAL ENGINEER JEREMY BRENT WRIGHT PE-0030008

WRIGHT ENGINEERING, LLC
A TP ENGINEERING COMPANY
7413 Whitesville Road
Bldg. B20 Columbus, GA 31904
Ph: (706) 507-0232
www.wrighteng.net

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

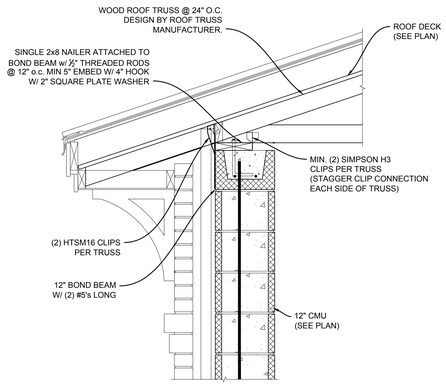
Project No.:	24-01951
Date:	2/15/2025
Drawn by:	AJD
Checked by:	CLS

Revisions:

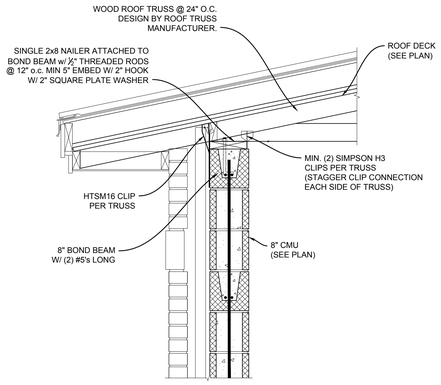
No.	Date	Description

GENERAL BLOCK DETAILS

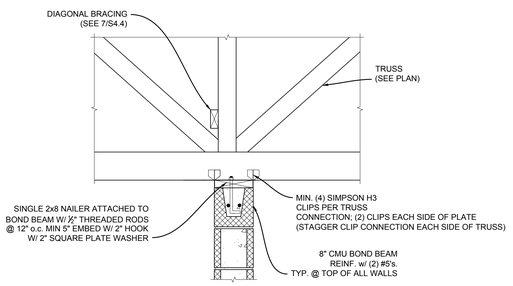
S4.0



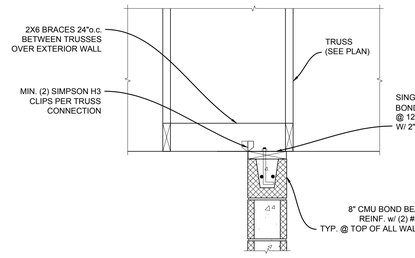
1 EXTERIOR ROOF FRAMING SECTION
SCALE: 1"=1'-0



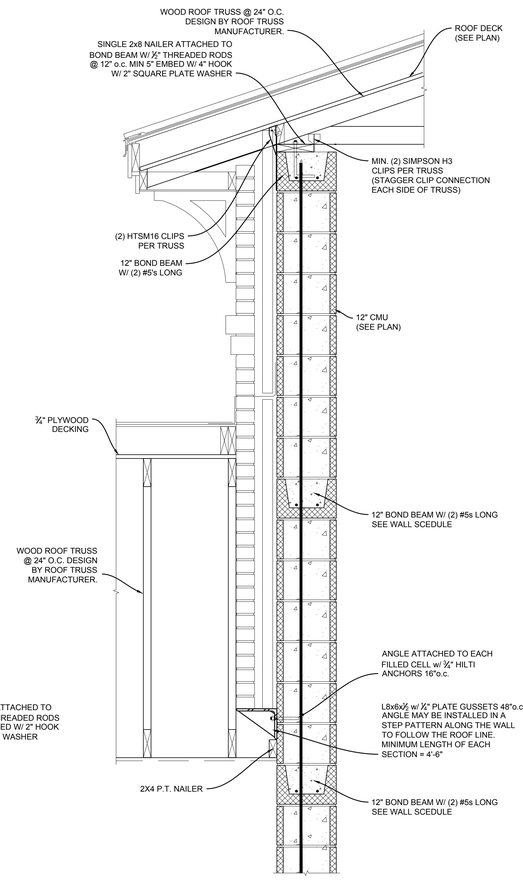
2 EXTERIOR ROOF FRAMING SECTION
SCALE: 1"=1'-0



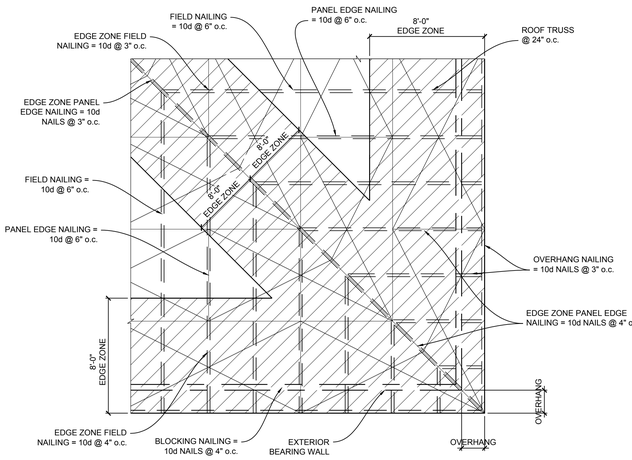
5 LOAD BEARING WALL
SCALE: 1"=1'-0



6 FRAMING SECTION
SCALE: 1"=1'-0



3 EXTERIOR ROOF FRAMING SECTION
SCALE: 1"=1'-0



4 TYP. EDGE ZONE ROOF SEATHING NAILING @ HIP
SCALE: 3/4"=1'-0

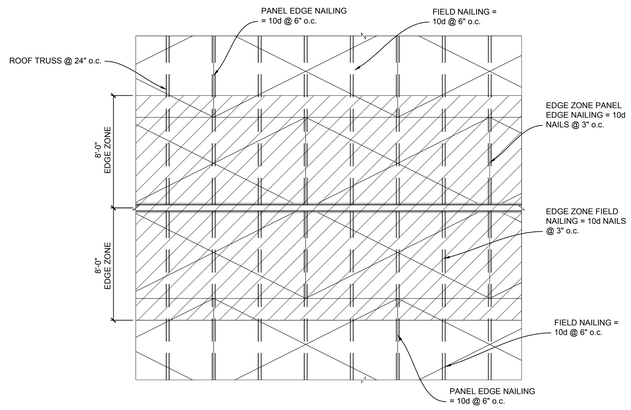
NOTE:
EDGE ZONE NAIL SPACING IS REQUIRED AT ALL EAVE, RIDGE, HIP, VALLEY & OVERHANG CONDITIONS. BOUNDARY BLOCKING IS REQUIRED WITHIN ALL EDGE ZONE CONDITIONS.

NOTE:
ROOF DECKING SHALL BE APA RATED EXPOSURE 1 PANELS WITH A MINIMUM THICKNESS OF 3/4" AT ALL SLOPED ROOFS.

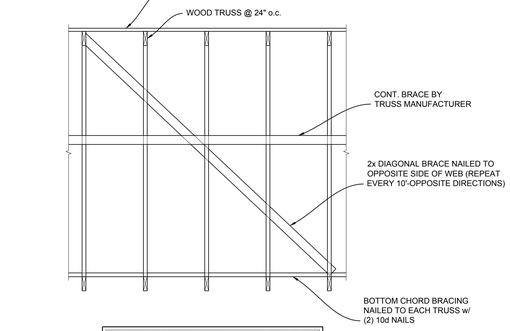
NOTE:
ALL NAILS TO BE RING SHANK w/ 1½"MIN PENETRATION INTO TRUSS CHORD

DENOTES EDGE ZONES & EDGE ZONE NAILING REQUIREMENTS

DENOTES INTERIOR ZONES & INTERIOR ZONE NAILING REQUIREMENTS

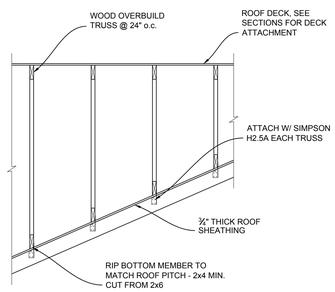


7 TYP. RIDGE ZONE ROOF SEATHING NAILING
SCALE: 3/4"=1'-0

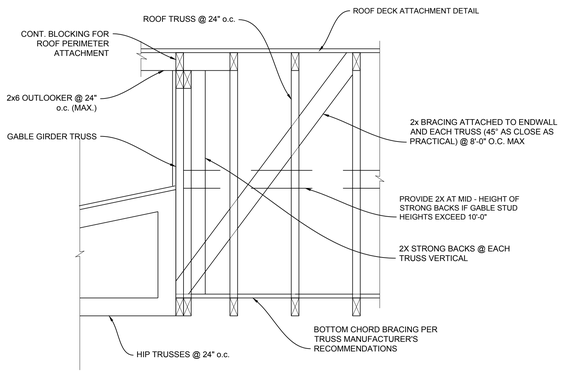


TO BE LOCATED OVER INTERIOR LOAD BEARING WALLS

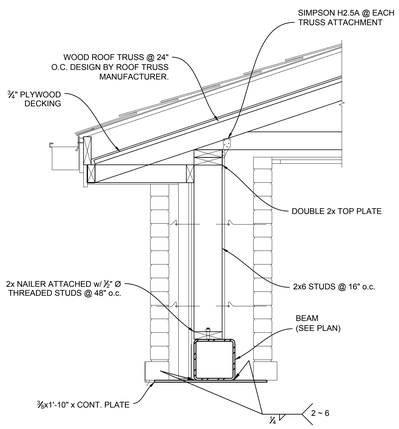
8 TYP. TRUSS DIAGONAL WEB BRACING
SCALE: 1"=1'-0



9 OVERBUILD DETAIL
SCALE: 1"=1'-0



10 HIPPED GABLE TRUSS BRACING DETAIL
SCALE: 1"=1'-0



11 FRAMING SECTION @ PATIO
SCALE: 1"=1'-0

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED PROFESSIONAL ENGINEER JEREMY BRENT WRIGHT

WRIGHT ENGINEERING, LLC
A TP ENGINEERING COMPANY
7413 Whitesville Road
Bldg. B20 Columbus, GA 31904
Ph: (706) 507-0232
www.wrighteng.net

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

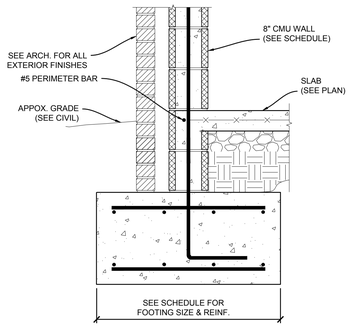
Project No.:	24-01951
Date:	2/15/2025
Drawn by:	AJD
Checked by:	CLS

Revisions:

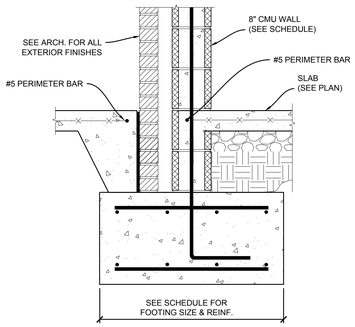
No.	Date	Description

FRAMING SECTIONS

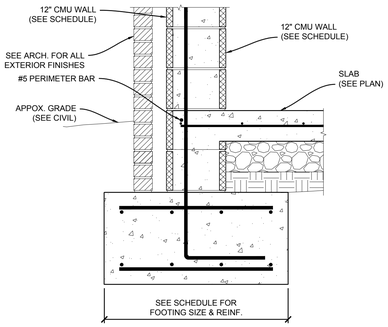
S5.1



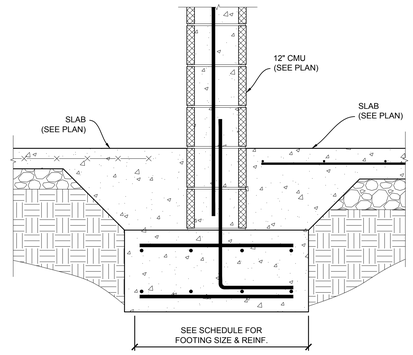
1 FOUNDATION SECTION
SCALE: 1"=1'-0



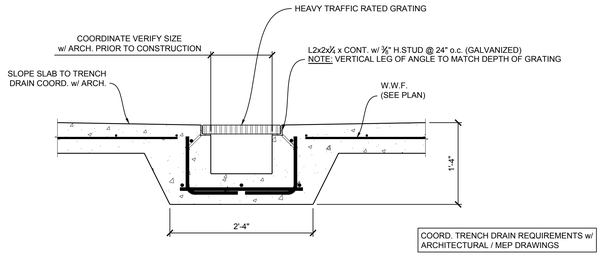
2 FOUNDATION SECTION
SCALE: 1"=1'-0



3 FOUNDATION SECTION
SCALE: 1"=1'-0

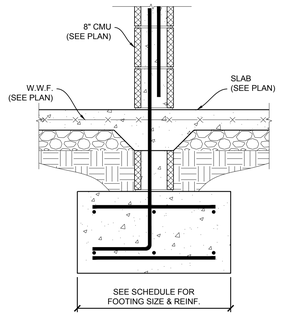


4 FOUNDATION SECTION
SCALE: 1"=1'-0

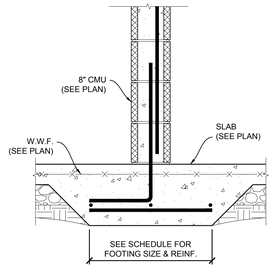


COORD. TRENCH DRAIN REQUIREMENTS w/
ARCHITECTURAL / MEP DRAWINGS

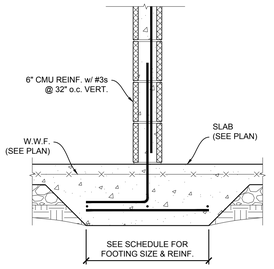
5 FOUNDATION SECTION
SCALE: 1"=1'-0



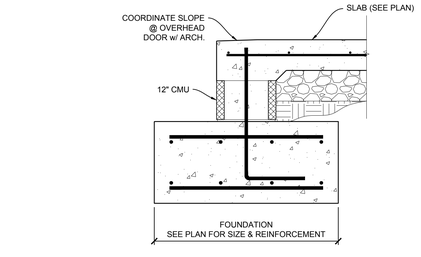
6 FOUNDATION SECTION
SCALE: 1"=1'-0



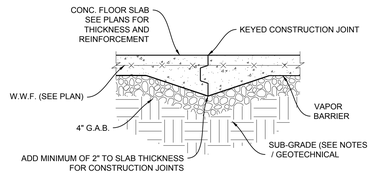
7 FOUNDATION SECTION
SCALE: 1"=1'-0



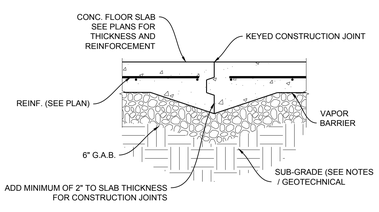
8 FOUNDATION SECTION
SCALE: 1"=1'-0



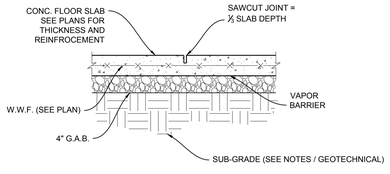
9 FOUNDATION SECTION
SCALE: 1"=1'-0



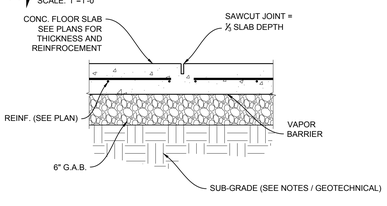
10 CONSTRUCTION JOINT DETAIL
SCALE: 1"=1'-0



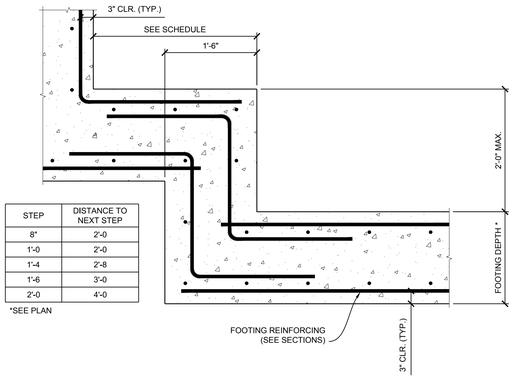
11 CONSTRUCTION JOINT DETAIL (APPARATUS BAY)
SCALE: 1"=1'-0



12 CONTRACTION JOINT DETAIL
SCALE: 1"=1'-0



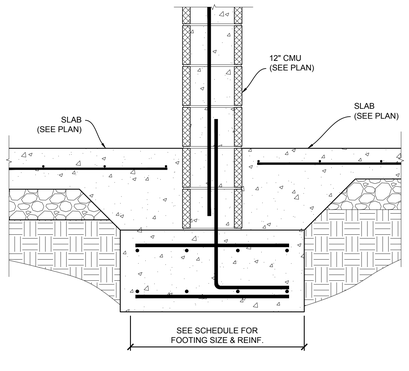
13 CONTRACTION JOINT DETAIL (APPARATUS BAY)
SCALE: 1"=1'-0



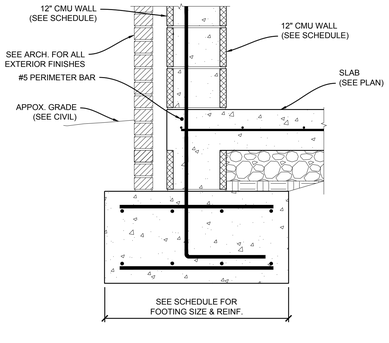
STEP	DISTANCE TO NEXT STEP
8"	2'-0
1'-0	2'-0
1'-4	2'-8
1'-8	3'-0
2'-0	4'-0

*SEE PLAN

14 TYP. FOOTING STEP
SCALE: 1"=1'-0



15 FOUNDATION SECTION
SCALE: 1"=1'-0



16 FOUNDATION SECTION
SCALE: 1"=1'-0

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED PE No. PE030004 ENGINEER JEREMY BRENT WRIGHT

WRIGHT ENGINEERING, LLC
A TP ENGINEERING COMPANY
7413 Whitesville Road Ph: (706) 507-0232
Bldg. B20 Columbus, GA 31904 www.wrighteng.net

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

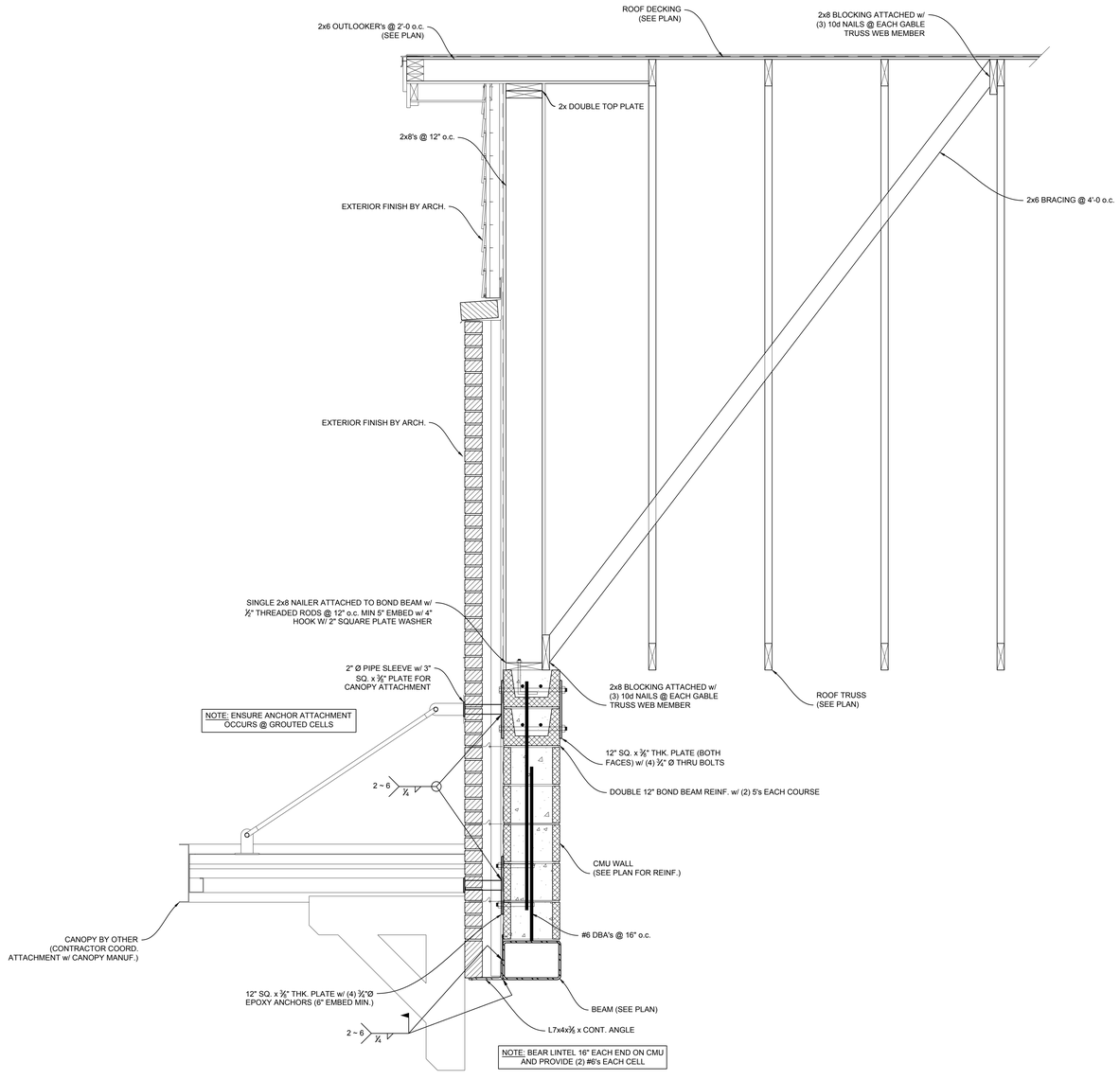
100% CONSTRUCTION DOCUMENTS

Project No.:	24-01951
Date:	2/15/2025
Drawn by:	AJD
Checked by:	CLS
Revisions:	

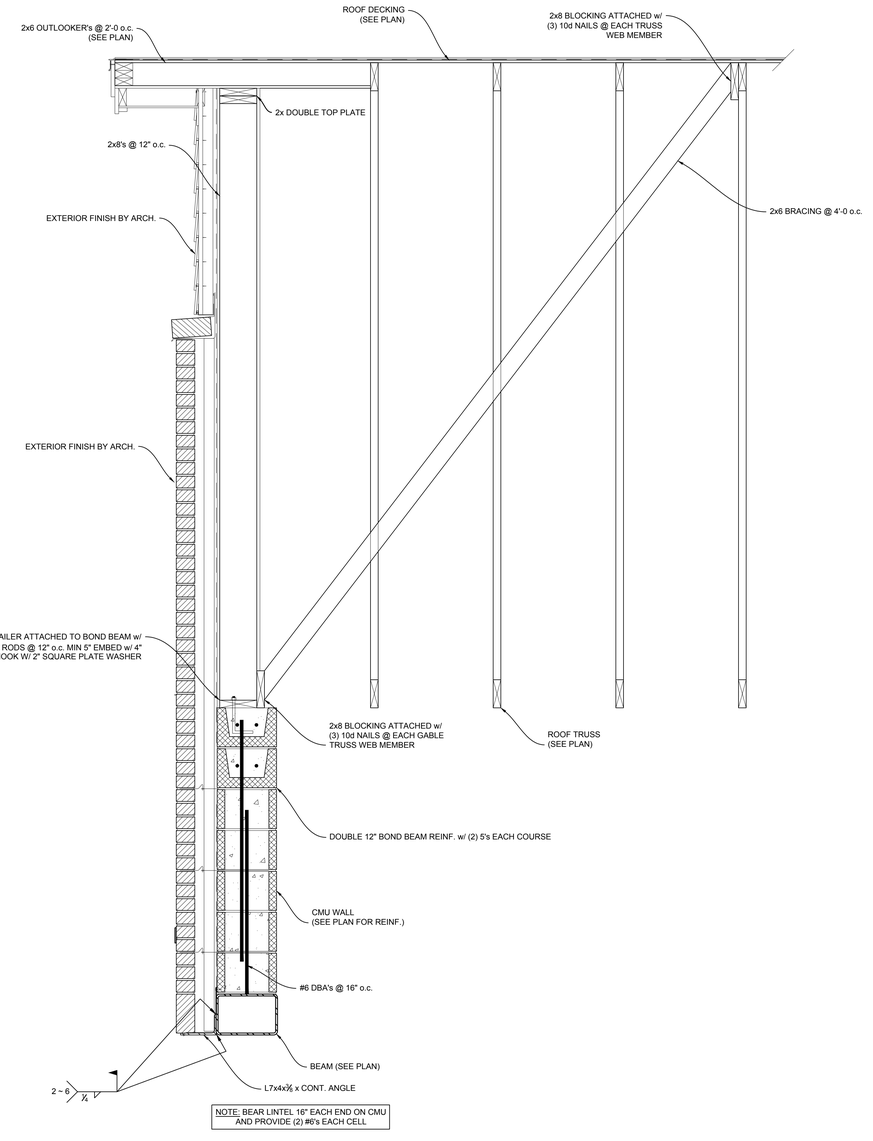
No.	Date	Description

FOUNDATION SECTIONS

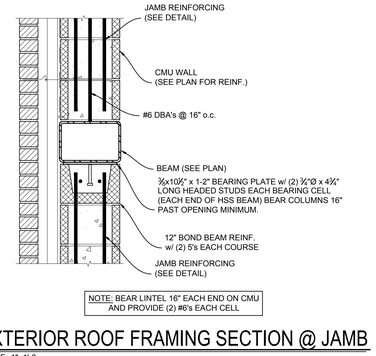
S4.1



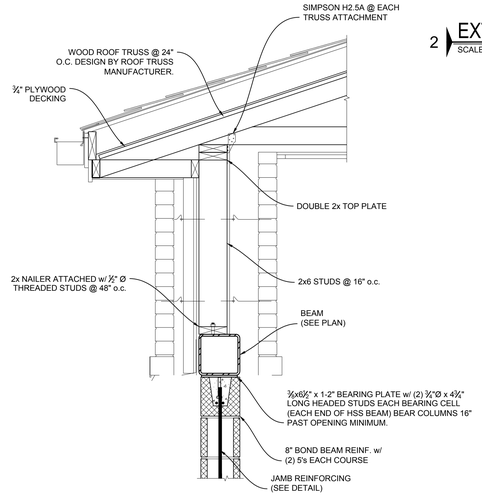
1 EXTERIOR ROOF FRAMING SECTION
SCALE: 1"=1'-0



2 EXTERIOR ROOF FRAMING SECTION
SCALE: 1"=1'-0



3 EXTERIOR ROOF FRAMING SECTION @ JAMB
SCALE: 1"=1'-0



4 FRAMING SECTION @ PATIO
SCALE: 1"=1'-0

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED PE PE-0030008 ENGINEER JEREMY BRENT WRIGHT

WRIGHT ENGINEERING, LLC
A TP ENGINEERING COMPANY
7413 Whitesville Road Bldg. B20 Columbus, GA 31904
Ph: (706) 507-0232
www.wrighteng.net

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01951
Date:	2/15/2025
Drawn by:	AJD
Checked by:	CLS

Revisions:

No.	Date	Description

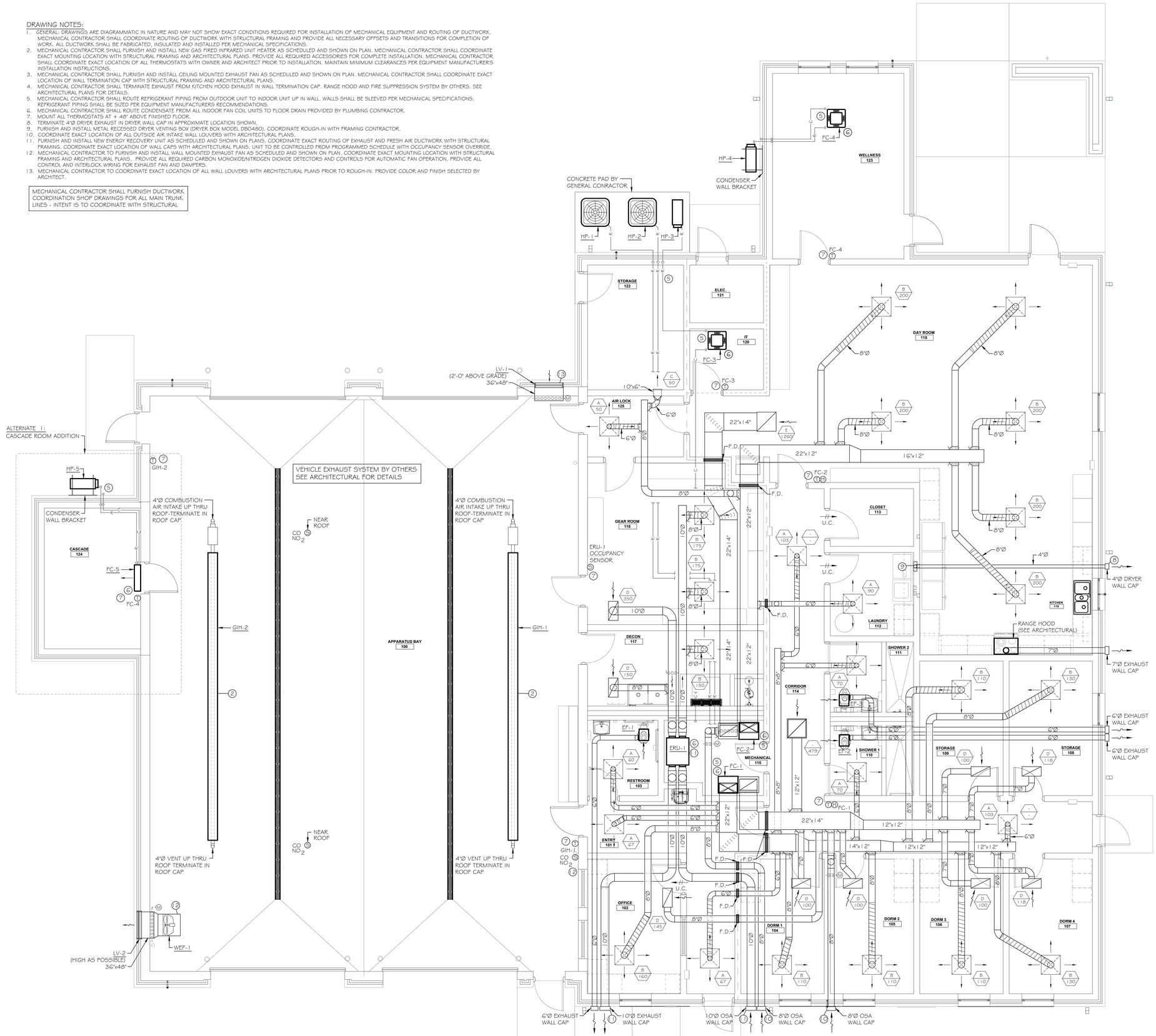
FRAMING SECTIONS

S5.2

DRAWING NOTES:

1. GENERAL: DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW EXACT CONDITIONS REQUIRED FOR INSTALLATION OF MECHANICAL EQUIPMENT AND ROUTING OF DUCTWORK. MECHANICAL CONTRACTOR SHALL COORDINATE ROUTING OF DUCTWORK WITH STRUCTURAL FRAMING AND PROVIDE ALL NECESSARY OFFSETS AND TRANSITIONS FOR COMPLETION OF WORK. ALL DUCTWORK SHALL BE FABRICATED, INSULATED AND INSTALLED PER MECHANICAL SPECIFICATIONS.
2. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL NEW GAS FIRED INFRARED UNIT HEATER AS SCHEDULED AND SHOWN ON PLAN. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION WITH STRUCTURAL FRAMING AND ARCHITECTURAL PLANS. PROVIDE ALL REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL THERMOSTATS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION. MAINTAIN MINIMUM CLEARANCES PER EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL CEILING MOUNTED EXHAUST FAN AS SCHEDULED AND SHOWN ON PLAN. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF WALL TERMINATION CAP WITH STRUCTURAL FRAMING AND ARCHITECTURAL PLANS.
4. MECHANICAL CONTRACTOR SHALL TERMINATE EXHAUST FROM KITCHEN HOOD EXHAUST IN WALL TERMINATION CAP. RANGE HOOD AND FIRE SUPPRESSION SYSTEM BY OTHERS. SEE ARCHITECTURAL PLANS FOR DETAILS.
5. MECHANICAL CONTRACTOR SHALL ROUTE REFRIGERANT PIPING FROM OUTDOOR UNIT TO INDOOR UNIT UP IN WALL. WALLS SHALL BE SLEEVED PER MECHANICAL SPECIFICATIONS. REFRIGERANT PIPING SHALL BE SIZED PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS.
6. MECHANICAL CONTRACTOR SHALL ROUTE CONDENSATE FROM ALL INDOOR FAN COIL UNITS TO FLOOR DRAIN PROVIDED BY PLUMBING CONTRACTOR.
7. MOUNT ALL THERMOSTATS AT + 48" ABOVE FINISHED FLOOR.
8. TERMINATE 4"Ø DRYER EXHAUST IN DRYER WALL CAP IN APPROXIMATE LOCATION SHOWN.
9. FURNISH AND INSTALL METAL RECESSED DRYER VENTING BOX (DRYER BOX MODEL DB0480). COORDINATE ROUGH-IN WITH FRAMING CONTRACTOR.
10. COORDINATE EXACT LOCATION OF ALL OUTSIDE AIR INTAKE WALL LOUVERS WITH ARCHITECTURAL PLANS.
11. FURNISH AND INSTALL NEW ENERGY RECOVERY UNIT AS SCHEDULED AND SHOWN ON PLANS. COORDINATE EXACT ROUTING OF EXHAUST AND FRESH AIR DUCTWORK WITH STRUCTURAL FRAMING. COORDINATE EXACT LOCATION OF WALL CAPS WITH ARCHITECTURAL PLANS. UNIT TO BE CONTROLLED FROM PROGRAMMED SCHEDULE WITH OCCUPANCY SENSOR OVERRIDE.
12. MECHANICAL CONTRACTOR TO FURNISH AND INSTALL WALL MOUNTED EXHAUST FAN AS SCHEDULED AND SHOWN ON PLAN. COORDINATE EXACT MOUNTING LOCATION WITH STRUCTURAL FRAMING AND ARCHITECTURAL PLANS. PROVIDE ALL REQUIRED CARBON MONOXIDE/NITROGEN DIOXIDE DETECTORS AND CONTROLS FOR AUTOMATIC FAN OPERATION. PROVIDE ALL CONTROL AND INTERLOCK WIRING FOR EXHAUST FAN AND DAMPERS.
13. MECHANICAL CONTRACTOR TO COORDINATE EXACT LOCATION OF ALL WALL LOUVERS WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN. PROVIDE COLOR AND FINISH SELECTED BY ARCHITECT.

MECHANICAL CONTRACTOR SHALL FURNISH DUCTWORK COORDINATION SHOP DRAWINGS FOR ALL MAIN TRUNK LINES - INTENT IS TO COORDINATE WITH STRUCTURAL



PROJECT NORTH

1 / M1.1 FLOOR PLAN

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

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

2WR urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 15389 PROFESSIONAL ENGINEER WILLIAM A. SHERRER

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	2/14/2025
Drawn by:	DSD
Checked by:	WAS

Revisions:

No.	Date	Description

FLOOR PLAN WITH ALTERNATE 1 MECHANICAL

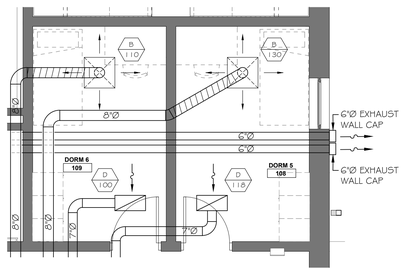
M1.1

PRINTED: 1/20/2025 3:16:37 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

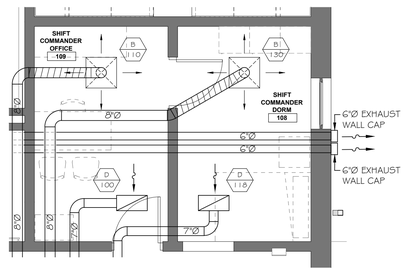
DRAWING NOTES:

1. GENERAL: DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW EXACT CONDITIONS REQUIRED FOR INSTALLATION OF MECHANICAL EQUIPMENT AND ROUTING OF DUCTWORK. MECHANICAL CONTRACTOR SHALL COORDINATE ROUTING OF DUCTWORK WITH STRUCTURAL FRAMING AND PROVIDE ALL NECESSARY OFFSETS AND TRANSITIONS FOR COMPLETION OF WORK. ALL DUCTWORK SHALL BE FABRICATED, INSULATED AND INSTALLED PER MECHANICAL SPECIFICATIONS.
2. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL NEW GAS FIRED INFRARED UNIT HEATER AS SCHEDULED AND SHOWN ON PLAN. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION WITH STRUCTURAL FRAMING AND ARCHITECTURAL PLANS. PROVIDE ALL REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL THERMOSTATS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION. MAINTAIN MINIMUM CLEARANCES PER EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL CEILING MOUNTED EXHAUST FAN AS SCHEDULED AND SHOWN ON PLAN. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF WALL TERMINATION CAP WITH STRUCTURAL FRAMING AND ARCHITECTURAL PLANS.
4. MECHANICAL CONTRACTOR SHALL TERMINATE EXHAUST FROM KITCHEN HOOD EXHAUST IN WALL TERMINATION CAP. RANGE HOOD AND FIRE SUPPRESSION SYSTEM BY OTHERS. SEE ARCHITECTURAL PLANS FOR DETAILS.
5. MECHANICAL CONTRACTOR SHALL ROUTE REFRIGERANT PIPING FROM OUTDOOR UNIT TO INDOOR UNIT UP IN WALL. WALLS SHALL BE SLEEVED PER MECHANICAL SPECIFICATIONS. REFRIGERANT PIPING SHALL BE SIZED PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS.
6. MECHANICAL CONTRACTOR SHALL ROUTE CONDENSATE FROM ALL INDOOR FAN COIL UNITS TO FLOOR DRAIN PROVIDED BY PLUMBING CONTRACTOR.
7. MOUNT ALL THERMOSTATS AT + 48" ABOVE FINISHED FLOOR.
8. TERMINATE 4"Ø DRYER EXHAUST IN DRYER WALL CAP IN APPROXIMATE LOCATION SHOWN.
9. FURNISH AND INSTALL METAL RECESSED DRYER VENTING BOX (DRYER BOX MODEL DB0480). COORDINATE ROUGH-IN WITH FRAMING CONTRACTOR.
10. COORDINATE EXACT LOCATION OF ALL OUTSIDE AIR INTAKE WALL LOUVERS WITH ARCHITECTURAL PLANS.
11. FURNISH AND INSTALL NEW ENERGY RECOVERY UNIT AS SCHEDULED AND SHOWN ON PLANS. COORDINATE EXACT ROUTING OF EXHAUST AND FRESH AIR DUCTWORK WITH STRUCTURAL FRAMING. COORDINATE EXACT LOCATION OF WALL CAPS WITH ARCHITECTURAL PLANS. UNIT TO BE CONTROLLED FROM PROGRAMMED SCHEDULE WITH OCCUPANCY SENSOR OVERRIDE.
12. MECHANICAL CONTRACTOR TO FURNISH AND INSTALL WALL MOUNTED EXHAUST FAN AS SCHEDULED AND SHOWN ON PLAN. COORDINATE EXACT MOUNTING LOCATION WITH STRUCTURAL FRAMING AND ARCHITECTURAL PLANS. PROVIDE ALL REQUIRED CARBON MONOXIDE/NITROGEN DIOXIDE DETECTORS AND CONTROLS FOR AUTOMATIC FAN OPERATION. PROVIDE ALL CONTROL AND INTERLOCK WIRING FOR EXHAUST FAN AND DAMPERS.
13. MECHANICAL CONTRACTOR TO COORDINATE EXACT LOCATION OF ALL WALL LOUVERS WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN. PROVIDE COLOR AND FINISH SELECTED BY ARCHITECT.

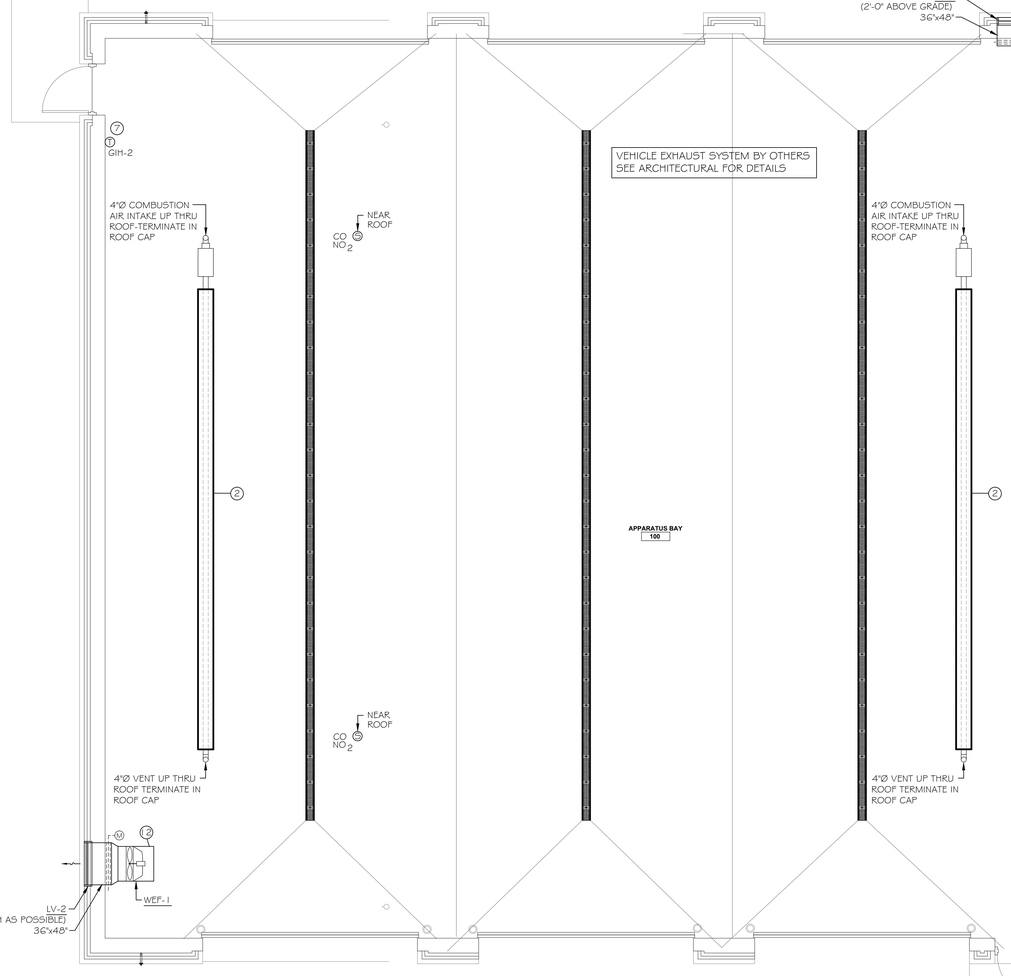
MECHANICAL CONTRACTOR SHALL FURNISH DUCTWORK COORDINATION SHOP DRAWINGS FOR ALL MAIN TRUNK LINES - INTENT IS TO COORDINATE WITH STRUCTURAL



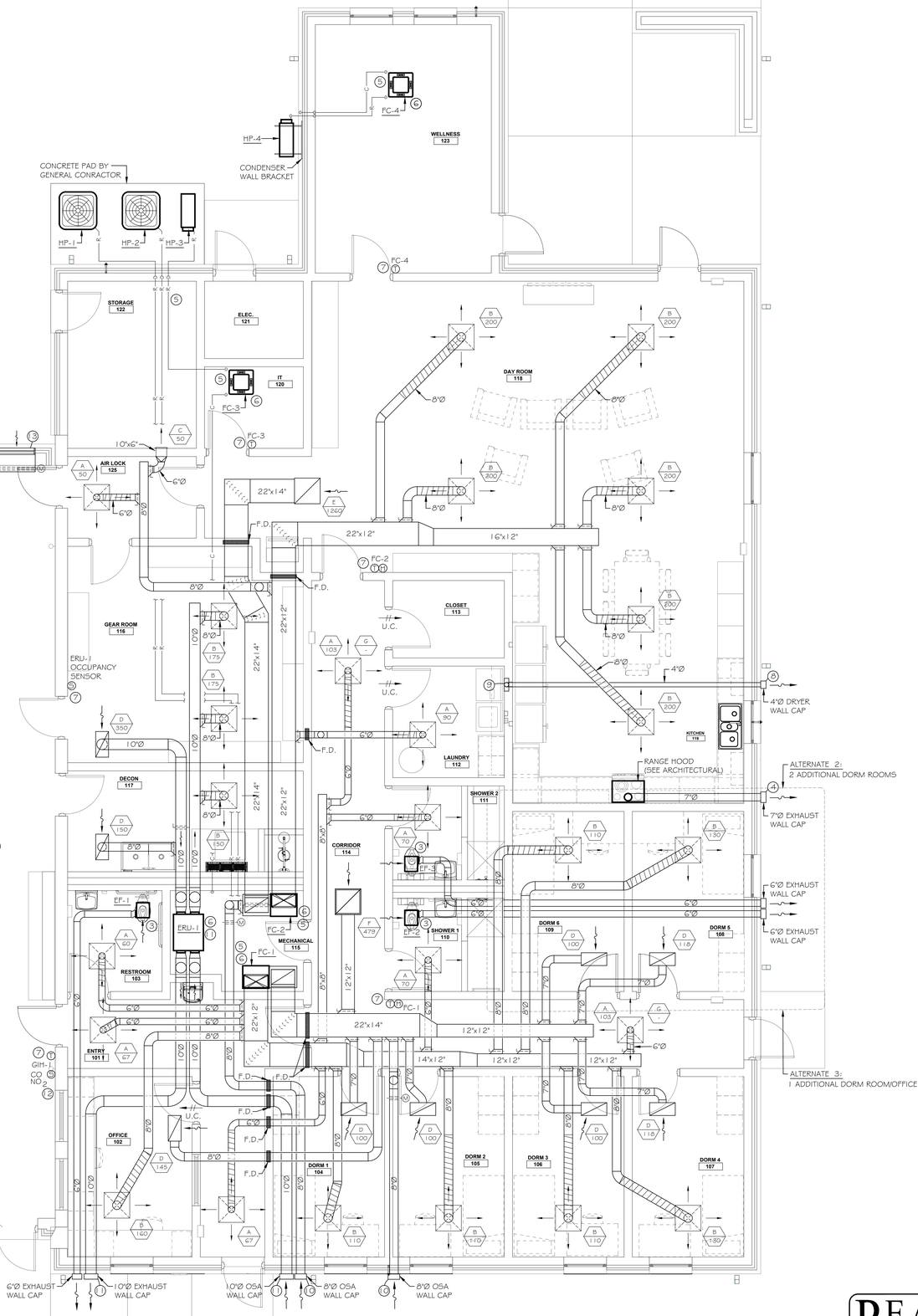
1 M1.1A ALTERNATE 2
SCALE: 1/4" = 1'-0"



2 M1.1A ALTERNATE 3
SCALE: 1/4" = 1'-0"



3 M1.1A FLOOR PLAN ALTERNATE 4 - 3 APPARATUS BAYS
SCALE: 1/4" = 1'-0"



PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

2WR urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 15389 W. ALEXANDER SHERRER

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	2/14/2025
Drawn by:	DSD
Checked by:	WAS

Revisions:

No.	Date	Description

FLOOR PLAN ALTERNATES MECHANICAL

M1.1A

PRINTED: 1/20/2025 3:16:37 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

SPLIT SYSTEM HEAT PUMP SCHEDULE

UNIT NO.	INDOOR SECTION OF HEAT PUMP: UNIT FAN: TOTAL AIR CFM	UNIT FAN: MIN. OUT. AIR CFM	UNIT FAN: MAX. OUT. AIR CFM	UNIT FAN: TYPE UNIT	UNIT FAN: TYPE FAN	UNIT FAN: APPROX. EXT S.P. INCHES H_2O	UNIT FAN: FAN MOTOR H.P.	COOLING DATA: MAX COIL FACE VEL F.P.M.	COOLING DATA: MIN. CAPACITY: TOTAL B.T.U.H.	COOLING DATA: MIN. CAPACITY: SENSIBLE B.T.U.H.	COOLING DATA: ENT AIR T: D.B.	COOLING DATA: ENT AIR T: W.B.	COOLING DATA: MIN. S.E.E.R./ E.E.R.	REVERSE CYCLE HEATING: MINIMUM HEATING CAPACITY B.T.U.H.	REVERSE CYCLE HEATING: ENT. TEMP. °F	REVERSE CYCLE HEATING: AMB. TEMP. °F	REVERSE CYCLE HEATING: MIN. C.O.P. (HSPF)	ELECTRIC HEATER DATA: MINIMUM HEATING CAPACITY B.T.U.H.	ELECTRIC HEATER DATA: ENT. TEMP. °F	ELECTRIC HEATER DATA: LVG. TEMP. °F	ELECTRIC HEATER DATA: NUMBER OF STAGES	ELECTRIC HEATER DATA: TOTAL K.W. @ 240V	INDOOR SECTION POWER SUPPLY: MINIMUM CIRCUIT AMPS	INDOOR SECTION POWER SUPPLY: MAXIMUM FUSE AMPS	INDOOR SECTION POWER SUPPLY: VOLT	INDOOR SECTION POWER SUPPLY: PHASE	INDOOR SECTION POWER SUPPLY: HZ	OUTDOOR SECTION OF HEAT PUMP: UNIT NO.	COMPRESSOR: NO. OF COMPR.	COMPRESSOR: RLA AMPS	O.D. FANS: NO. OF FANS	O.D. FANS: FLA AMPS	POWER SUPPLY: MINIMUM CIRCUIT AMPS	POWER SUPPLY: MAXIMUM FUSE AMPS	POWER SUPPLY: VOLT	POWER SUPPLY: PHASE	POWER SUPPLY: HZ	REMARKS
FC-1 FC-2	(HI) 1,400 (LOW) 1,120	112	140	VERT. D. T.	F.C.	0.50	3/4	500	(HI) 48,500 (LOW) 34,250	(HI) 35,100 (LOW) 26,250	80.0	67.0	18.0 S.E.E.R.	(HI) 48,500 (LOW) 34,060	65.0	47.0	3.98 (8.1)	31,400	65.0	85.6	1	10.0	56.4	60	240	1	60	HP-1 HP-2	1	23.0	1	2.6	31.4	50	240	1	60	BASIS OF DESIGN: INDOOR SECTION CARRIER MODEL FT5ANBDGO COMPLETE WITH HEAT PUMP COIL, ELECTRIC HEAT ACCESSORY (KFFEH2601C10), EXTERNAL VIBRATION ISOLATION, FNCCABWX024 FILTER RACK WITH 4 INCH PLEATED FILTERS (MERV 8), AND SINGLE POINT CONNECTION. OUTDOOR SECTION CARRIER MODEL 27TPA948 (TWO STAGE UNIT) WITH LOW AMBIENT COOLING AND WIFI THERMOSTAT WITH HUMIDITY CONTROL (TSTWRH01A).

DUCTLESS SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE

UNIT NO.	MINIMUM OPERATING CHARACTERISTICS AND ELECTRICAL REQUIREMENTS: UNIT FAN: TOTAL AIR CFM	UNIT FAN: FAN MOTOR F.L.A.	COOLING DATA: MINIMUM ENT AIR T: TOTAL B.T.U.H.	COOLING DATA: MINIMUM ENT AIR T: D.B.	COOLING DATA: MINIMUM ENT AIR T: W.B.	COOLING DATA: MIN. S.E.E.R.	HEATING DATA: MINIMUM HEATING CAPACITY B.T.U.H.	HEATING DATA: ENT. TEMP. °F	HEATING DATA: AMB. TEMP. °F	HEATING DATA: MIN. HSPF	INDOOR UNIT: MINIMUM CIRCUIT AMPS	INDOOR UNIT: MAXIMUM FUSE AMPS	INDOOR UNIT: VOLT	INDOOR UNIT: PHASE	INDOOR UNIT: HZ	OUTDOOR UNIT: UNIT NO.	OUTDOOR UNIT: NO. OF COMPR.	OUTDOOR UNIT: RLA AMPS	OUTDOOR UNIT: NO. OF FANS	OUTDOOR UNIT: FLA AMPS	OUTDOOR UNIT: MINIMUM CIRCUIT AMPS	OUTDOOR UNIT: MAXIMUM FUSE AMPS	OUTDOOR UNIT: VOLT	OUTDOOR UNIT: PHASE	OUTDOOR UNIT: HZ	REMARKS
FC-3	323	3.0	12,000/ 4,500	80.0	67.0	25.5	12,000	65.0	47.0	10.7	POWERED FROM OUTDOOR UNIT					HP-3	1	5.3	1	0.5	12.0	15	240	1	60	INDOOR SECTION: CARRIER MODEL 45MAHAQ12 WALL MOUNTED INDOOR EVAPORATOR UNIT COMPLETE WITH MINI CONDENSATE PUMP. OUTDOOR SECTION: CARRIER MODEL 37MARAQ12 COMPLETE WITH 10 YEAR PARTS & COMPRESSOR WARRANTY. WIRED REMOTE PROGRAMMABLE 7-DAY.
FC-4	323	3.0	18,000/ 5,300	80.0	67.0	20.8	18,000	65.0	47.0	11.4	POWERED FROM OUTDOOR UNIT					HP-4	1	8.3	1	0.5	18.0	20	240	1	60	INDOOR SECTION: CARRIER MODEL 45MBCAQ18 CEILING MOUNTED INDOOR EVAPORATOR UNIT COMPLETE WITH MINI CONDENSATE PUMP. OUTDOOR SECTION: CARRIER MODEL 37MARAQ18 COMPLETE WITH 10 YEAR PARTS & COMPRESSOR WARRANTY. WIRED REMOTE PROGRAMMABLE 7-DAY.
FC-5	194	3.0	9,000/ 3,700	80.0	67.0	21.7	9,000	65.0	47.0	11.3	POWERED FROM OUTDOOR UNIT					HP-5	1	4.3	1	0.5	12.0	15	240	1	60	INDOOR SECTION: CARRIER MODEL 45MBCAQ12 CEILING MOUNTED INDOOR EVAPORATOR UNIT COMPLETE WITH MINI CONDENSATE PUMP. OUTDOOR SECTION: CARRIER MODEL 37MARAQ09 COMPLETE WITH 10 YEAR PARTS & COMPRESSOR WARRANTY. WIRED REMOTE PROGRAMMABLE 7-DAY.

ENERGY RECOVERY UNIT SCHEDULE

UNIT NO.	NET AIR QUANTITIES: EXHAUST AIR (CFM)	EXT. STATIC PRESS. IN. WG	OUTSIDE AIR (CFM)	EXT. STATIC PRESS. IN. WG	SUMMER CONDITIONS: ROOM AIR DB (°F)	ROOM AIR WB (°F)	OUTSIDE AIR DB (°F)	OUTSIDE AIR WB (°F)	LEAVING AIR DB (°F)	LEAVING AIR WB (°F)	WINTER CONDITIONS: ROOM AIR DB (°F)	ROOM AIR WB (°F)	OUTSIDE AIR DB (°F)	OUTSIDE AIR WB (°F)	LEAVING AIR DB (°F)	LEAVING AIR WB (°F)	ELECTRICAL DATA: EXHAUST AIR FAN F.L.A.	OUTSIDE AIR FAN F.L.A.	UNIT COMPR. R.L.A.	MIN. CIRCUIT AMPS	MAX. FUSE AMPS	VOLTS	PHASE	HZ	REMARKS
ERU-1	500	0.50	500	0.50	75.0	62.5	95.0	76.0	72.4	58.1	70.0	58.5	16.0	12.0	71.9	56.6	2.0	2.0	3.2	8.31	15	240	1	60	BASIS OF DESIGN: ALPHA AIRE MODEL AAV100G1ASTB SELF CONTAINED 100% OUTSIDE AIR ENERGY RECOVERY UNIT COMPLETE WITH 2" SOLID DOUBLE WALL CABINET, STAINLESS STEEL DRAIN PAN, NON-FUSED DISCONNECT SWITCH, MERV 8 FILTERS, ECM FAN MOTORS, WALL OCCUPANCY SENSOR, ADJUSTABLE FAN SPEED CONTROL, AND VIBRATION ISOLATION.

NOTE 1: PROVIDE WALL MOUNTED OCCUPANCY SENSOR OVERRIDE - COORDINATE EXACT ROUGH-IN LOCATION WITH ARCHITECTURAL PLANS.

GAS FIRED (NATURAL GAS) LOW INTENSITY RADIANT TUBE HEATER SCHEDULE

UNIT NO.	TUBE LENGTH (IN FEET)	MOUNTING ANGLE (DEGREES)	PROPANE GAS HEAT: MINIMUM BTU/HR. STAGE 1	PROPANE GAS HEAT: MINIMUM BTU/HR STAGE 2	ELECTRICAL: H.P.	VOLTS	PHASE	HZ.	REMARKS
GH-1 GH-2	30	0°	100,000	75,000	0.03	120	1	60	BASIS OF DESIGN: MODINE MODEL IPT100 PROPANE GAS INFRA-RED RADIANT TUBE HEATER WITH ALUMINIZED STEEL RADIANT TUBES AND COMBUSTION CHAMBER, TWO STAGE GAS HEATING WITH 24 VOLT THERMOSTAT, ACCESSORY COMBUSTION AIR CAP, GAS VENTING ROOF CAP, ADJUSTABLE TUBE REFLECTOR, AND ALL HANGERS4 SUPPORTS REQUIRED FOR INSTALLATION.

NOTE 1: PROVIDE ALL REQUIRED ACCESORY ITEMS FOR VERTICAL COMBUSTION AIR VENTING (INCLUDING INTAKE ADAPTER & INTAKE ROOF CAP).
NOTE 2: PROVIDE ALL REQUIRED ACCESORY ITEMS FOR CONTROLLING UNITS FROM WALL MOUNTED THERMOSTAT.
NOTE 3: FOLLOW MANUFACTURER'S INSTALLATION REQUIRMENTS FOR CLEARANCES AND MOUNTING HEIGHTS.

AIR PURIFICATION DEVICE SCHEDULE

UNIT NO.	SUPPLY AIR CFM	OUTSIDE AIR CFM	TOTAL REQUIRED	ΔP INCHES H_2O	MOUNTING LOCATION	CONTROL INTERLOCK	VOLTS	WATTS	REMARKS
FC-1 FC-2	1,400	140	1	0.03	SUPPLY FAN INLET	WITH SUPPLY FAN BY HVAC CONTRACTOR	24V AC	15	BASIS OF DESIGN: GLOBAL PLASMA SOLUTIONS MODEL GPS-FC24-AC COMPACT SELF-CLEANING BI-POLAR IONIZATION SYSTEM COMPLETE WITH ALL COMPOSITE AND CARBON FIBER CONSTRUCTION, ILLUMINATED ON/OFF SWITCH, ALARM OUTPUT DRY-CONTACTS, AND MAINTENANCE FREE DESIGN. OTHER MANUFACTURER'S WHO MAY BE CONSIDERED ARE AIRGENICS AND BIOXGEN.

EXHAUST FAN SCHEDULE

UNIT NO.	TOTAL AIR CFM	APPROX. EXT. S.P. INCH WATER	DESCRIPTION BD - BELT DRIVE DD - DIRECT DRIVE	FREE AIR SONES AT 5'	MAX. FAN SPEED R.P.M.	CONTROL INTERLOCK	MAX. MOTOR H.P.	VOLTS	PHASE	HZ.	REMARKS
EF-1	75	0.375	DD - CENTRIFUGAL CEILING MOUNTED EXHAUST FAN	3.0	1,060	WITH TIMED SWITCH BY ELEC. CONTRACTOR	17 Watts	120	1	60	BASIS OF DESIGN: GREENHECK MODEL SP-A390-VG CEILING MOUNTED EXHAUST FAN COMPLETE WITH DISCONNECT SWITCH, EC MOTOR WITH FAN SPEED DIAL ON FAN MOTOR, BACKDRAFT DAMPER, ALUMINUM GRILLE, VIBRATION ISOLATION AND UL LISTING.
EF-2	90	0.375	DD - CENTRIFUGAL CEILING MOUNTED EXHAUST FAN	3.0	1,067	WITH TIMED SWITCH BY ELEC. CONTRACTOR	18 Watts	120	1	60	BASIS OF DESIGN: GREENHECK MODEL SP-A390-VG CEILING MOUNTED EXHAUST FAN COMPLETE WITH DISCONNECT SWITCH, EC MOTOR WITH FAN SPEED DIAL ON FAN MOTOR, BACKDRAFT DAMPER, ALUMINUM GRILLE, VIBRATION ISOLATION AND UL LISTING.
EF-3	90	0.375	DD - CENTRIFUGAL CEILING MOUNTED EXHAUST FAN	3.0	1,067	WITH TIMED SWITCH BY ELEC. CONTRACTOR	18 Watts	120	1	60	BASIS OF DESIGN: GREENHECK MODEL SP-A390-VG CEILING MOUNTED EXHAUST FAN COMPLETE WITH DISCONNECT SWITCH, EC MOTOR WITH FAN SPEED DIAL ON FAN MOTOR, BACKDRAFT DAMPER, ALUMINUM GRILLE, VIBRATION ISOLATION AND UL LISTING.
WEF-1	3,520	0.125	DD - CENTRIFUGAL SIDEWALL MOUNTED EXHAUST FAN	11.4	1,356	CONTROL WIRING BY HVAC CONTR.	3/4	120	1	60	BASIS OF DESIGN: GREENHECK MODEL SE1-18-429-VG WALL MOUNTED EXHAUST FAN COMPLETE WITH DISCONNECT SWITCH, BACKDRAFT DAMPER, BIRDSCREEN, WALL HOUSING WITH LIGHT GREY BAKED ENAMEL FINISH, WALL SWITCH AND UL LISTING.

FAN SCHEDULE NOTES:
1. MECHANICAL CONTRACTOR SHALL PROVIDE ALL MOTOR STARTERS FOR EXHAUST FANS.
2. MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL INTERLOCK WIRING FOR EXHAUST FANS.
3. WEF-1 SHALL BE OPERATED OFF INTERLOCK WITH MOTORIZED INTAKE DAMPER. DAMPER SHALL OPEN PRIOR TO EXHAUST FAN OPERATION.
4. WEF-1 SHALL ALSO OPERATE AUTOMATICALLY BASED ON CARBON MONOXIDE/NITROGEN DIOXIDE DETECTORS LOCATED IN THE APPARATUS BAY. (PROVIDE ALL REQUIRED CONTROLS AND SENSORS)
5. EF-1, EF-2 & EF-3 TIMED WALL SWITCH SHALL LIMIT FAN OPERATION TO 30 MINUTES MAXIMUM PER TIMED CYCLE.

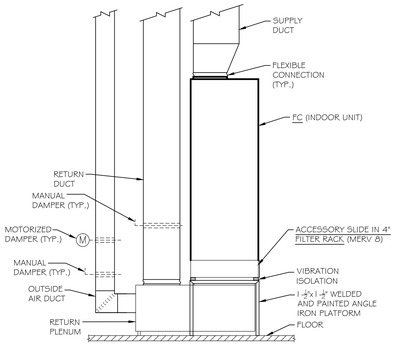
WALL LOUVER SCHEDULE

UNIT NO.	CFM	SIZE (W x H) INCHES	FRAME THICKNESS	BLADE THICKNESS	BLADE ANGLE	FREE AREA	PRESSURE DROP INCHES WG	REMARKS
LV-1 LV-2	3,520	36" x 48"	6" x 0.081"	0.081"	35°	54.4%	0.04	BASIS OF DESIGN: GREENHECK MODEL ESD-635 WEATHER LOUVER WITH 6" WIDE STATIONARY EXTRUDED ALUMINUM DRAINABLE BLADES, EXPANDED ALUMINUM BIRDSCREEN, 1-1/2" FLANGED FRAME, AMCA CERTIFICATION, AND EXTENDED SILL WITH END DAMS (VERIFY EXACT DEPTH WITH ARCHITECTURAL PLANS).

WALL LOUVER NOTES:
1. MECHANICAL CONTRACTOR SHALL PROVIDE COLOR SAMPLE TO ARCHITECT TO SELECT LOVER COLOR.

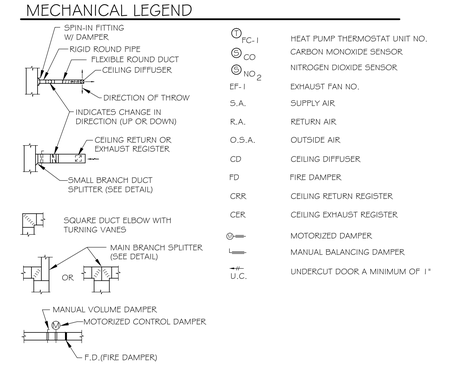
AIR DEVICE SCHEDULE

SYMBOL	CFM RANGE	NECK SIZE INCHES	FACE SIZE INCHES	MAX. NC RATING	REMARKS
A CFM	0-110	6"Ø	24x24	20	BASIS OF DESIGN TITUS OMNI FULL FACE ARCHITECTURAL SQUARE PANEL CEILING DIFFUSER COMPLETE WITH BORDER TYPE 3 (LAY-IN) FRAME, AG-75 OPPOSED BLADE DAMPER, STANDARD WHITE FINISH AND OPTIONAL FACTORY INSULATED BACK PAN.
B CFM	111-230	8"Ø	24x24	20	BASIS OF DESIGN TITUS OMNI FULL FACE ARCHITECTURAL SQUARE PANEL CEILING DIFFUSER COMPLETE WITH BORDER TYPE 3 (LAY-IN) FRAME, AG-75 OPPOSED BLADE DAMPER, STANDARD WHITE FINISH AND OPTIONAL FACTORY INSULATED BACK PAN.
C CFM	0-110	10x6"	12x8	20	BASIS OF DESIGN: TITUS 272RL, DOUBLE DEFLECTION SIDEWALL SUPPLY REGISTER WITH 3/4" BLADE SPACING, STEEL BORDER WITH EXTRUDED ALUMINUM BLADES, STANDARD WHITE FINISH, BORDER TYPE 1 (SURFACE MOUNT FRAME) AND PFAP AUXILIARY ALUMINUM MOUNTING FRAME.
D CFM	0-500	10"x22"	12x24	20	BASIS OF DESIGN: TITUS 50F, ALL ALUMINUM FABRICATED EGG-CRATE TYPE WITH BAKED OFF-WHITE ENAMEL FINISH, WITH AG-15-AA ALLEN KEY OPERATED OPPOSED BLADE DAMPER, BORDER TYPE 3 (LAY-IN) FRAME.
E CFM	501-1850	22"x22"	24x24	20	BASIS OF DESIGN: TITUS 50F, ALL ALUMINUM FABRICATED EGG-CRATE TYPE WITH BAKED OFF-WHITE ENAMEL FINISH, WITH AG-15-AA ALLEN KEY OPERATED OPPOSED BLADE DAMPER, BORDER TYPE 3 (LAY-IN) FRAME.
F CFM	501-1850	22"x22"	24x24	20	BASIS OF DESIGN: TITUS 50F, ALL ALUMINUM FABRICATED EGG-CRATE TYPE WITH BAKED OFF-WHITE ENAMEL FINISH, WITH AG-15-AA ALLEN KEY OPERATED OPPOSED BLADE DAMPER, BORDER TYPE 1 SURFACE MOUNT FRAME AND PFAP AUXILIARY ALUMINUM MOUNTING FRAME.
G CFM	N/A	N/A	24x24	N/A	BASIS OF DESIGN: TITUS TRM ALUMINUM MOUNTING FRAME FOR MOUNTING LAY-IN DIFFUSERS IN HARD CEILINGS. FURNISH ALL REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION. FRAME TO BE STANDARD WHITE FINISH.

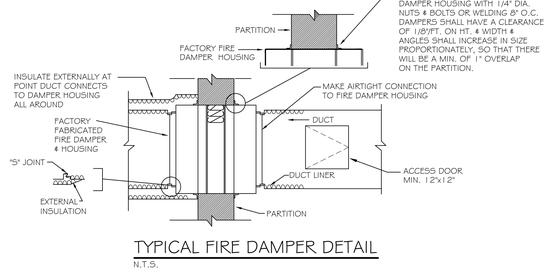


FC INDOOR UNIT DETAIL
N.T.S.

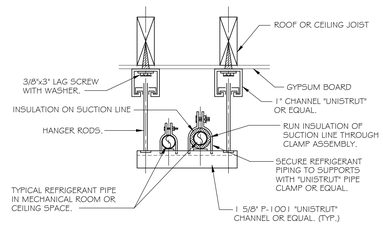
MECHANICAL LEGEND



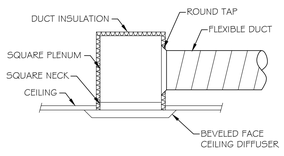
T FC-1	HEAT PUMP THERMOSTAT UNIT NO.
CO	CARBON MONOXIDE SENSOR
NO_2	NITROGEN DIOXIDE SENSOR
EF-1	EXHAUST FAN NO.
S.A.	SUPPLY AIR
R.A.	RETURN AIR
O.S.A.	OUTSIDE AIR
CD	CEILING DIFFUSER
FD	FIRE DAMPER
CRR	CEILING RETURN REGISTER
CER	CEILING EXHAUST REGISTER
	MOTORIZED DAMPER
	MANUAL BALANCING DAMPER
U.C.	UNDERCUT DOOR A MINIMUM OF 1"



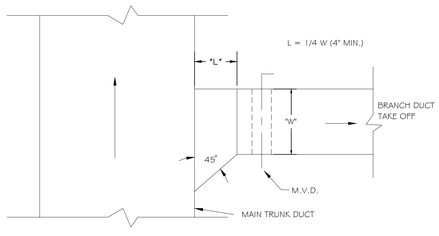
TYPICAL FIRE DAMPER DETAIL
N.T.S.



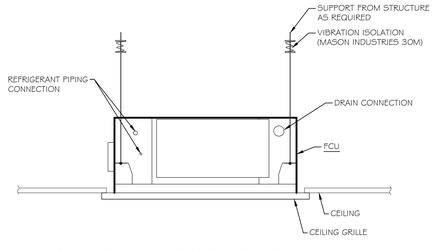
SUSPENDED REFRIGERANT PIPE SUPPORT AT CEILING
N.T.S.



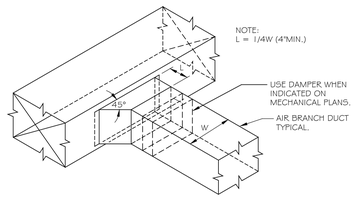
SURFACE MOUNT CEILING DIFFUSER DETAIL
N.T.S.



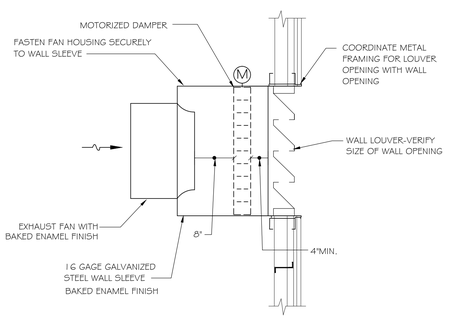
SMALL BRANCH SPLITTER DAMPER DETAIL
N.T.S.



DUCTLESS CEILING RECESSED FCU DETAIL
N.T.S.



BRANCH DUCT TAKE-OFF AND DAMPER DETAIL
N.T.S.



DETAIL - WALL MOUNTED EXHAUST FAN
NOT TO SCALE

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 15389 PROFESSIONAL ENGINEER

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	2/14/2025
Drawn by:	DSD
Checked by:	WAS
Revisions:	

No.	Date	Description

MECHANICAL SCHEDULES AND DETAILS

M2.0

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

FIRE PROTECTION GENERAL NOTES

1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BID. CONTRACTOR SHALL VERIFY EXACT SIZE, LOCATION, ELEVATION OF EXISTING STRUCTURE, CEILINGS, MECHANICAL, AD ELECTRICAL PRIOR TO INSTALLING ANY NEW PIPE.
2. CONTRACTOR SHALL COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH ALL STRUCTURAL, ELECTRICAL AND MECHANICAL FEATURES OF THE BUILDING.
3. ALL HORIZONTAL PIPING IS RAN ABOVE THE CEILING OR IN JOIST SPACE. ALL PIPING SHALL DRAIN DOWN AS REQUIRED BY NFPA 13R. PIPING TO BE INSTALLED TO CONCEAL AS MUCH AS POSSIBLE.
4. INSTALL ALL FIRE PROTECTION MATERIALS IN AREAS WITH EXPOSED CEILINGS IN A NEAT FIRST CLASS MANNER. ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH INDUSTRY BEST PRACTICES. PIPING SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE UNLESS INDICATED OTHERWISE.
5. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING PROJECT ENGINEERS FOR INSPECTIONS AND TESTING. PROVIDE A MINIMUM OF A WEEK NOTICE.
6. CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR NEW WORK AREAS, CEILING HEIGHTS, SECTIONS AND RATED WALLS.
7. CONTRACTOR RESPONSIBLE FOR COORDINATION OF PIPING WEIGHT AND LOCATION PRIOR TO INSTALLATION OF ANY PIPE.
8. PIPING LAYOUT AND SIZING SHOWN ON PLANS IS DIAGRAMMATIC AND SHOWN FOR SPACE REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR LAYOUT SHOP DRAWINGS, CALCULATIONS, SUBMITTAL DATA, TESTING , OWNER TRAINING AND CERTIFYING SYSTEM MEETS NFPA 13 AND CONTRACT DOCUMENTS.

FIRE PROTECTION SHOP DRAWINGS AND SUBMITTALS

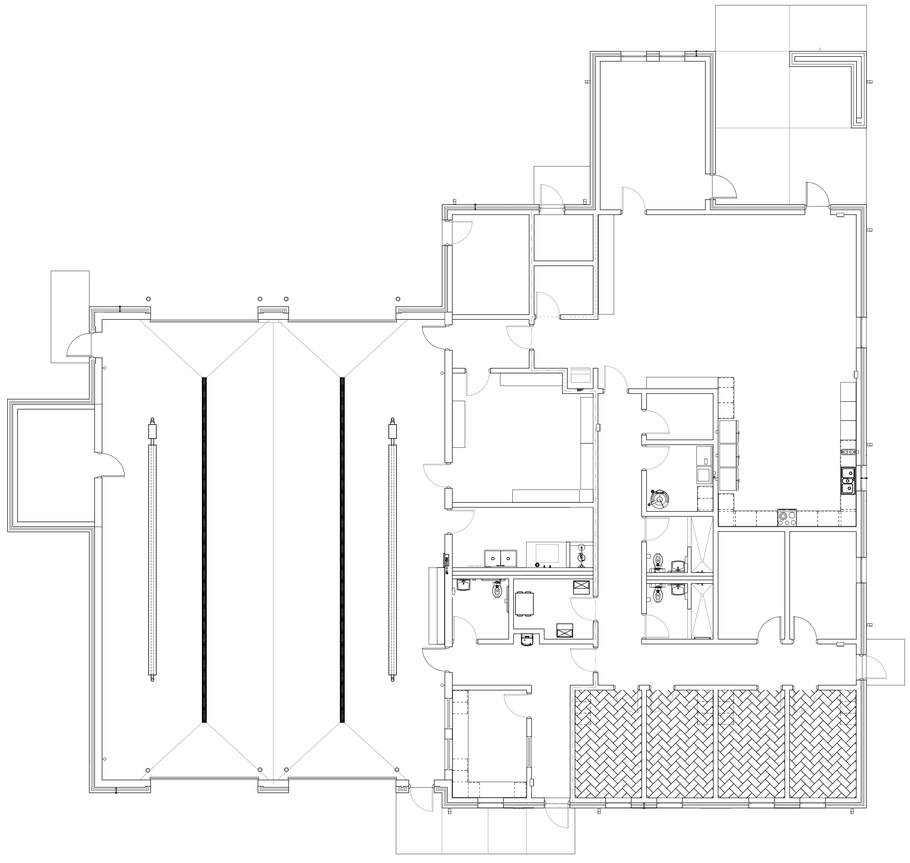
1. PROVIDE A NFPA 13R COMPLIANT SYSTEM TO PROVIDE COVERAGE TO AREAS INDICATED. CONTRACTOR RESPONSIBLE TO PROVIDE DETAILED SHOP DRAWINGS AND CALCULATIONS COMPLETE.
2. SHOP DRAWINGS SHALL INCLUDE:
   A. A REFLECTED CEILING PLAN INDICATING LOCATION OF SPRINKLER HEADS, LIGHTS, CEILING DEVICES, GRILLES, AUDIO VISUAL AND ANY DEVICES ATTACHED TO LIFT OUT CEILINGS. ALL SPRINKLER HEADS IN LAYIN CEILINGS TO BE CENTERED IN TILES.
   B. PREPARE A WORKING PIPE SHOP DRAWING BASED ON HYDRAULIC CALCULATIONS. THE PIPING DRAWINGS SHALL INDICATE THE ELEVATION OF THE PIPE, THE CONFIGURATION OF THE PIPING AND HANGERS, SIZE OF THE PIPE AND COORDINATION OF PIPING WITH OTHER DISCIPLINES, STRUCTURE AND DUCTWORK.
   C. HYDRAULIC CALCULATIONS ARE TO BE PREPARED USING A FLOW TEST WITHIN 90 DAYS.
   D. THE CONTRACTOR IS RESPONSIBLE FOR INCORPORATING LOCAL AUTHORITY HAVING JURISDICTION COMMENTS FOR COMPLIANCE.
   E. ALL ADDITIONAL MATERIALS TO BE INDICATED ON SHOP DRAWINGS.
   F. ALL LOW-POINT DRAIN DOWN LOCATION AND PENETRATIONS OF BUILDING STRUCTURE TO BE INDICATED ON SHOP DRAWINGS.
3. CONTRACTOR SHALL BE LICENSED IN THE STATE IN WHICH THE WORK IS PREFORMED. THE CONTRACTOR SHALL BE A NICET LEVEL III OR LEVEL IV OR SPECIAL HAZARD SUPPRESSION SYSTEMS.
4. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS WITHIN 45 DAYS PRIOR TO THE START OF THE SPRINKLER SYSTEM INSTALLATION.

FIRE PROTECTION HYDRAULIC DEMANDS

1. SPRINKLER PROTECTION SHALL BE BASED ON NFPA 13R (0.05 GPM/SQ.FT.) WITH WATER SUPPLIED FROM BUILDING DOMESTIC WATER.
2. HYDRAULIC CALCULATION SHALL BE CALCULATED WITH 10 PSI SAFETY FACTOR OF SUPPLY CURVE.
3. FLOW DATA AND CALCULATIONS TO BE THE RESPONSIBILITY OF CONTRACTOR.

LEGEND

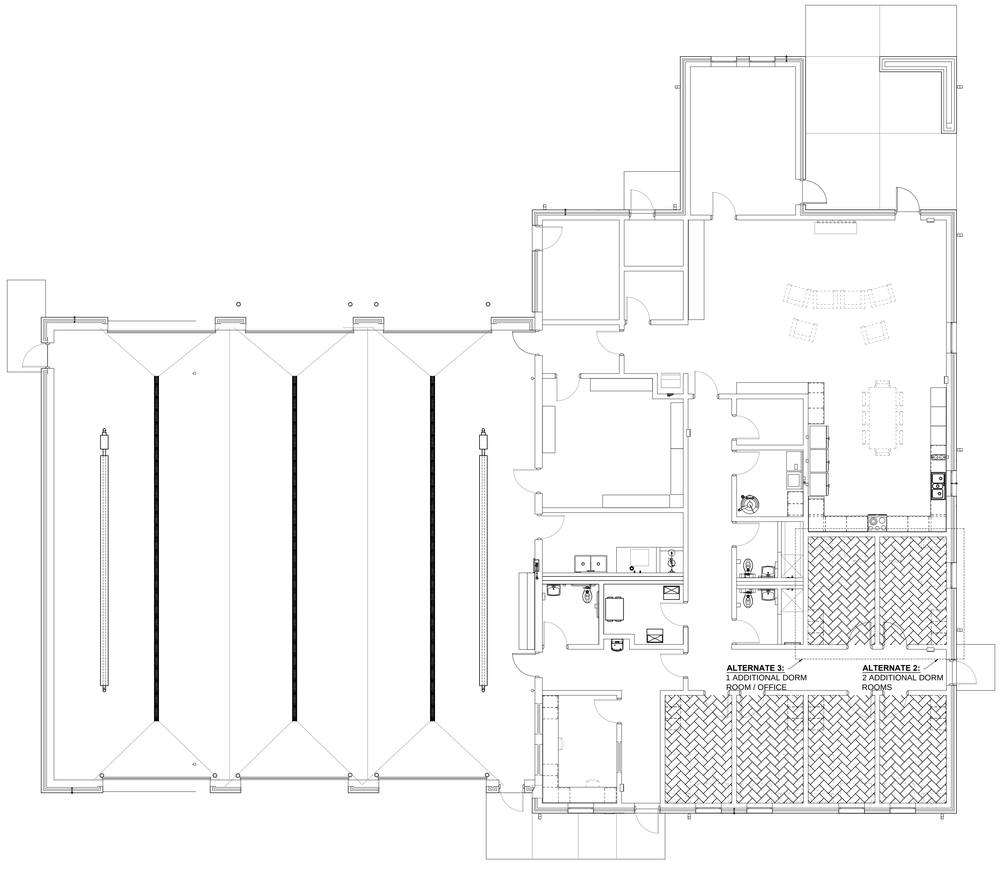
INDICATED AREA SHALL BE PROTECTED BY A NFPA 13R SPRINKLER SUPPLIED FROM THE DOMESTIC WATER SYSTEM. ALL OTHER AREAS ARE UNSPRINKLED.



PROJECT NORTH

1 / FS1.0 FLOOR PLAN - SPRINKLER

SCALE: 1/8" = 1'-0"



PROJECT NORTH

2 / FS1.0 ALTERNATE FLOOR PLAN - SPRINKLER

SCALE: 1/8" = 1'-0"

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 15389 PROFESSIONAL ENGINEER W.A. SHERRER

NOT FOR CONSTRUCTION

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	1/29/2025
Drawn by:	WAS
Checked by:	WAS

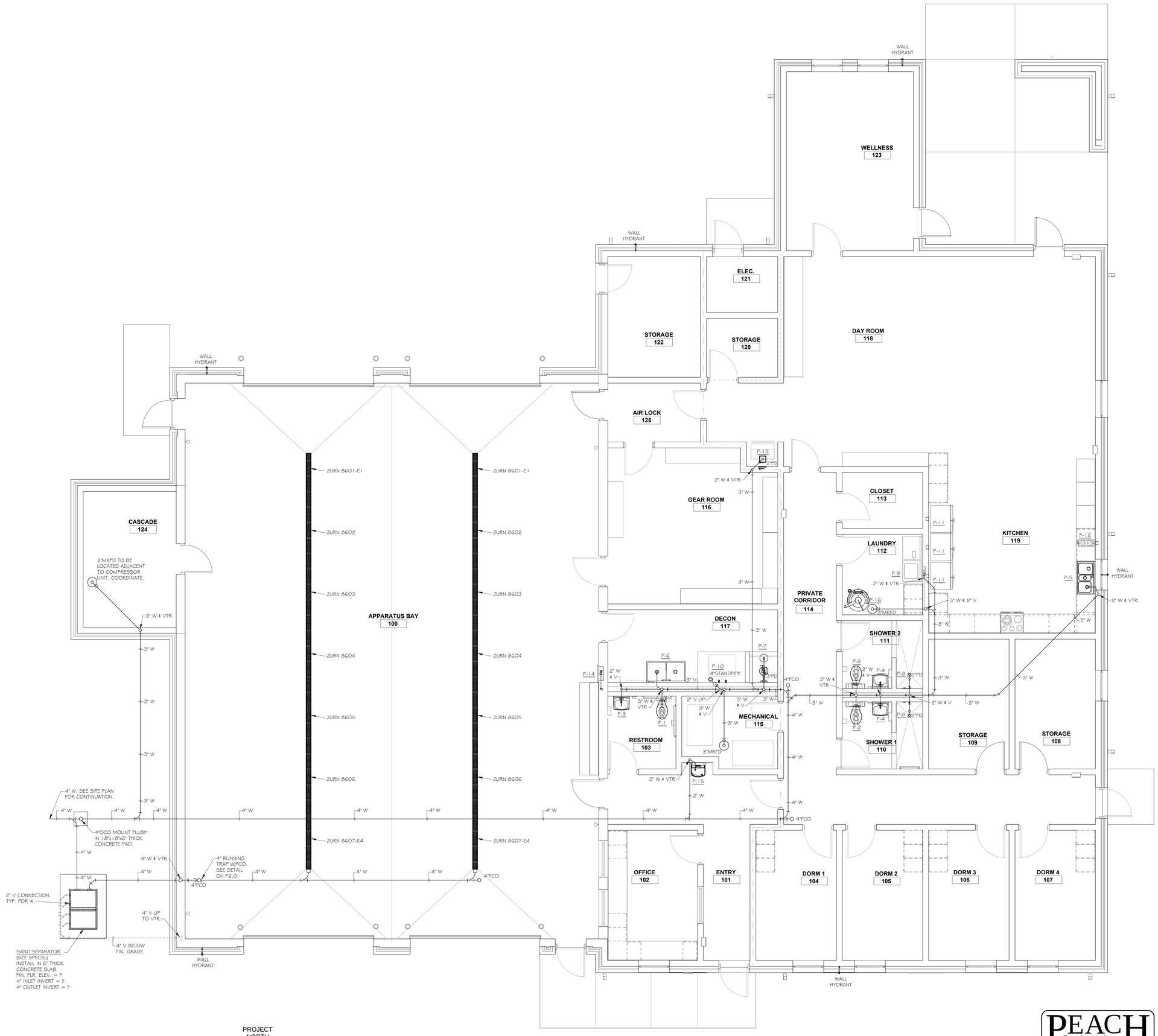
Revisions:

No.	Date	Description

FLOOR PLANS - SPRINKLER

FS1.0

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233



PROJECT NORTH

1 / P1.0 FLOOR PLAN - PLUMBING - WASTE & VENT PIPING

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

2WR urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 15389 PROFESSIONAL ENGINEER W.A. SHERRER

NOT FOR CONSTRUCTION

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01951
Date:	1/29/2025
Drawn by:	WAS
Checked by:	WAS

Revisions:

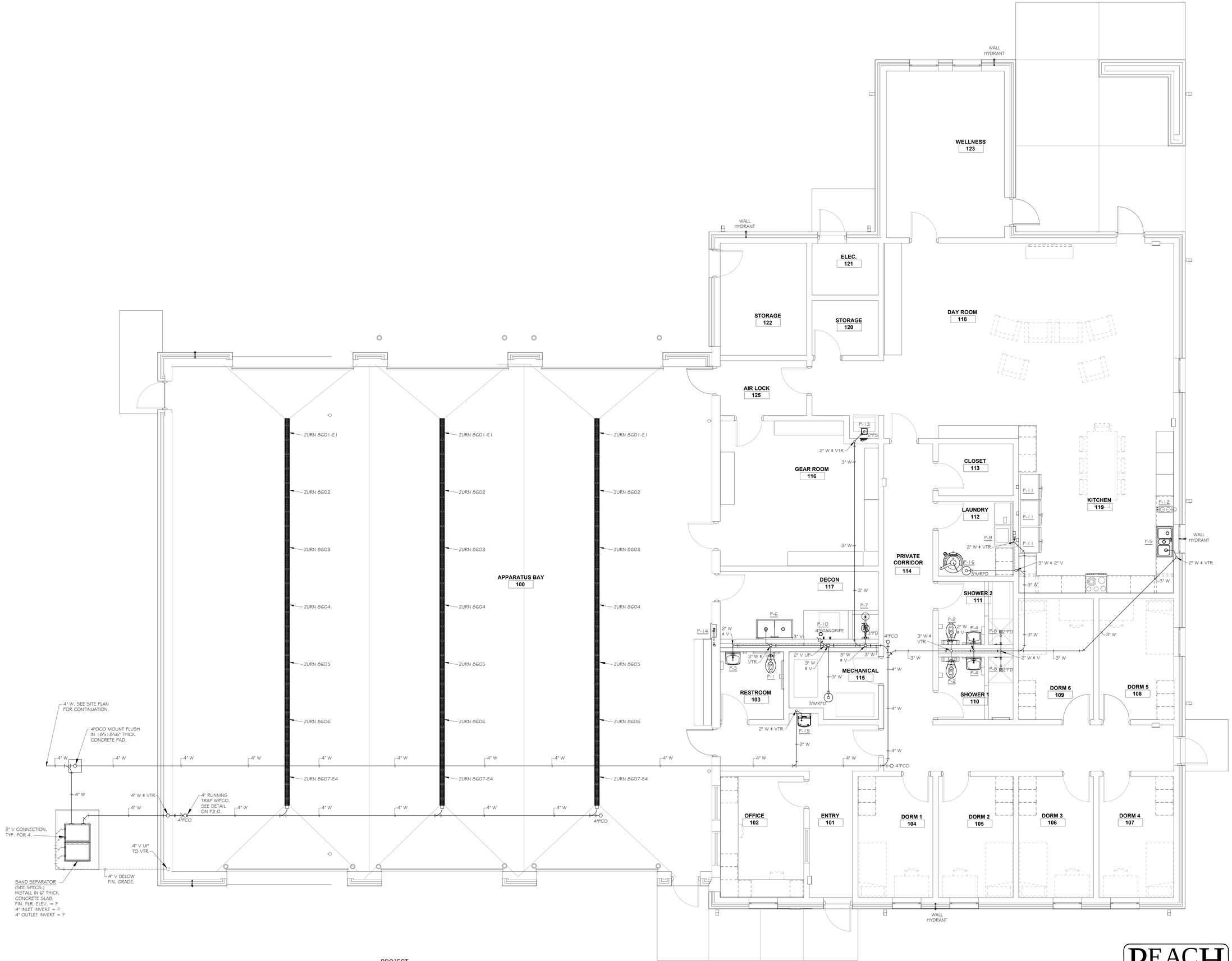
No.	Date	Description

FLOOR PLAN - PLUMBING - WASTE & VENT PIPING

P1.0

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt
PRINTED: 9/30/2024 3:43:19 PM



PROJECT NORTH

1 / P1.1 ALTERNATE FLOOR PLAN - PLUMBING - WASTE & VENT PIPING

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

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 15389 PROFESSIONAL ENGINEER W.A. SHERRER

NOT FOR CONSTRUCTION

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01951
Date:	1/29/2025
Drawn by:	WAS
Checked by:	WAS
Revisions:	

No.	Date	Description

ALTERNATE FLOOR PLAN - PLUMBING - WASTE & VENT PIPING

P1.1

FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

PRINTED: 9/30/2024 3:43:19 PM

ALTERNATE 1:
CASCADE ROOM ADDITION

CASCADE
124

APPARATUS BAY
100

WELLNESS
123

ELEC.
121

STORAGE
122

STORAGE
120

DAY ROOM
118

AIR LOCK
125

GEAR ROOM
116

CLOSET
113

LAUNDRY
112

KITCHEN
119

DECON
117

SHOWER 2
111

SHOWER 1
110

RESTROOM
103

MECHANICAL
115

STORAGE
109

STORAGE
108

PRIVATE CORRIDOR
114

OFFICE
102

ENTRY
101

DORM 1
104

DORM 2
105

DORM 3
106

DORM 4
107

WALL HYDRANT

¾" CW DN. TO WALL HYDRANT.

2" CW. SEE SITE PLAN FOR CONTINUATION.

2"CW B/G

2" CW DN. WITH SHUTOFF BALL VALVE AT 18" AFF.

¾"CW

2"CW

¾" CW DN.

½" CW DN. TO P-13.

P-13

½" CW DN. TO P-11.

P-11

½" CW DN. TO P-12.

P-12

¾" CW DN. TO WALL HYDRANT.

½" CW & HW DN. TO P-9.

P-9

½" CW & HW AND ¾" HWR DN. TO P-16

P-16

½" HW 1" CW

P-5

½" CW & HW DN. TO P-5.

½" HW 1½" CW

½" HWR 1¼" CW

2" CW 1½" HW

½" HWR

2" CW ½" HW

1¼" HW 2" CW

2" CW DN. TO (2)-P-2, (2)-P-4 & (2)-P-8.

1¼" HW DN. TO (2)-P-4 & (2)-P-8.

P-2

P-4

P-8

2" CW DN. TO P-1, P-3, P-6, P-7 & P-10.

½" HWR UP FROM 1½" HW.

½" CSUAAS

P-6

P-10

P-7

P-14

1½" CW DN. TO P-14.

P-3

P-1

1¼" HW DN. TO P-3, P-6, P-7 & P-10.

½" CW DN. TO P-15.

P-15

¾" CW DN.

1½" CW FOR RESIDENTIAL NFPA 13R SPRINKLERS.

WALL HYDRANT

½" CW DN. TO WALL HYDRANT.

¾" CW DN. TO WALL HYDRANT.

PROJECT NORTH

1 / P1.2 FLOOR PLAN - PLUMBING - COLD & HOT WATER PIPING

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

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

2WR urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 15389 PROFESSIONAL ENGINEER W.A. SHERRER

NOT FOR CONSTRUCTION

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

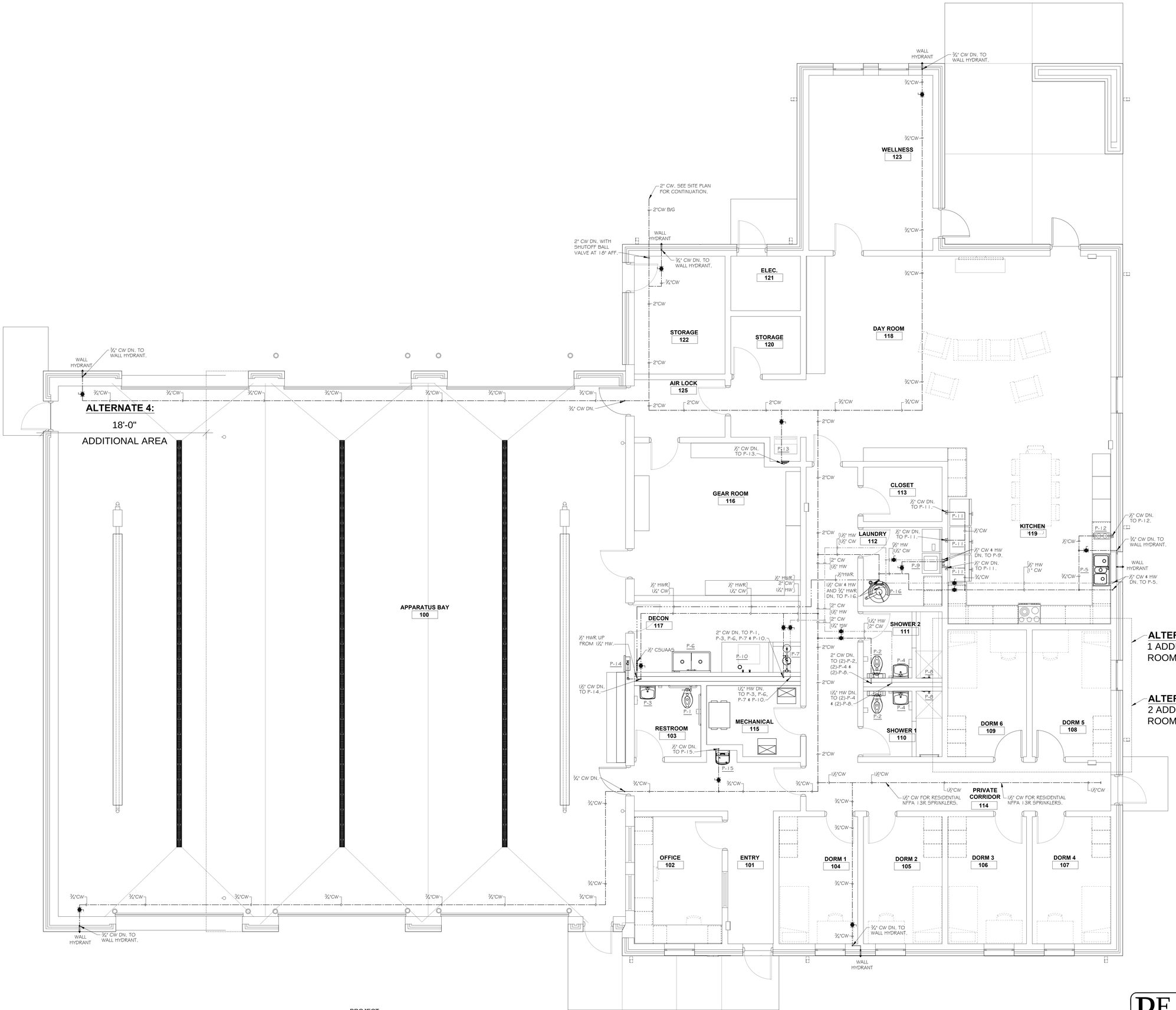
Project No.:	24-01977
Date:	1/29/2025
Drawn by:	WAS
Checked by:	WAS
Revisions:	

No.	Date	Description

FLOOR PLAN - PLUMBING - COLD & HOT WATER PIPING

P1.2

FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt
PRINTED: 9/30/2024 3:43:19 PM



PROJECT NORTH

1 / P1.3 ALTERNATE FLOOR PLAN - PLUMBING - COLD & HOT WATER PIPING

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

2WR urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 15389 PROFESSIONAL ENGINEER W. A. SHERRER

NOT FOR CONSTRUCTION

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	1/29/2025
Drawn by:	WAS
Checked by:	WAS
Revisions:	

No.	Date	Description

ALTERNATE FLOOR PLAN - PLUMBING - COLD & HOT WATER PIPING

P1.3

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt
PRINTED: 9/30/2024 3:43:19 PM

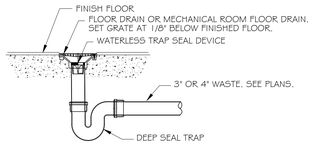
PLUMBING FIXTURE SCHEDULE

No.	FIXTURE TYPE	WASTE	C.W.	H.W.	MOUNTING HEIGHT
P-1	HANDICAPPED WATER CLOSET	3"	1"	---	FLOOR
P-2	WATER CLOSET	3"	1"	---	FLOOR
P-3	HANDICAPPED LAVATORY	1¼"	½"	½"	34" TO RIM
P-4	LAVATORY	1¼"	½"	½"	34" TO RIM
P-5	THREE COMPARTMENT SINK WITH DISPOSAL	(3)-1½"	½"	½"	COUNTERTOP
P-6	TWO COMPARTMENT UTILITY SINK	(2)-1½"	½"	½"	44" TO RIM
P-7	EMERGENCY SHOWER AND EYEWASH	3"FD & 1¼"	1¼" ½"	1¼" ½"	SEE ELEVATION OF P-7
P-8	SHOWER	2"	½"	½"	48" TO CONTROLS
P-9	WASHING MACHINE CONNECTIONS BOX	1½"	½"	½"	42" TO RIM OF BOX
P-10	WASHER - EXTRACTOR CONNECTIONS	4"	½"	½"	SEE DETAIL FOR P-10
P-11	ICE MAKER CONNECTION BOX	---	½"	---	18" A.F.F.
P-12	COLD WATER CONNECTION BOX	---	½"	---	38" A.F.F.
P-13	ICE MACHINE CONNECTION BOX	2"FS	½"	---	18" A.F.F.
P-14	HOSE VALVE	---	1½"	---	36" A.F.F.
P-15	BI-LEVEL ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION	1¼"	½"	---	31 7/16" TO RIM
P-16	GAS-FIRED WATER HEATER	SEE PLANS			MOUNT ON 4" HIGH CONCRETE HOUSEKEEPING PAD

PLUMBING LEGEND

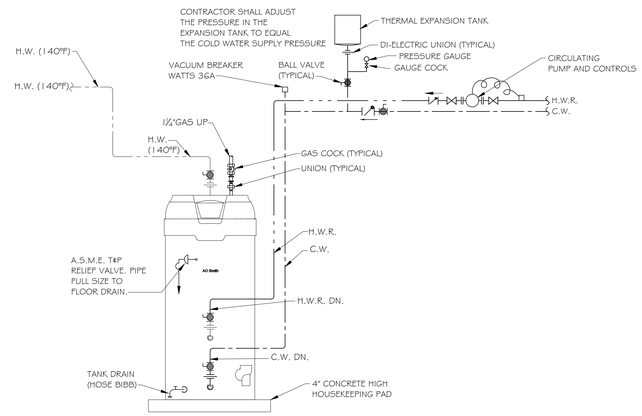
WASTE PIPING (W)	
VENT PIPING (V)	
COLD WATER PIPING (CW)	
FIRE SERVICE PIPING (F)	
HOT WATER PIPING (140°F)(HW)	
HOT WATER RECIRCULATING PIPING (140°F)(HWR)	
HWR CIRCUITSOLVER (CSUAS)	
GAS PIPING	GAS
BALL VALVE	
GATE VALVE	
CHECK VALVE	
UNION	
VENT THRU ROOF	VTR
FLOOR CLEANOUT	FCO
OUTSIDE CLEANOUT	OCO
FLOOR DRAIN	FD
MECHANICAL ROOM FLOOR DRAIN	MRFD
FLOOR SINK	FS
ABOVE FINISHED FLOOR	AFF
BELOW FINISHED FLOOR	BFF
BELOW FINISHED GRADE	BFG OR B/G

1 / P2.0



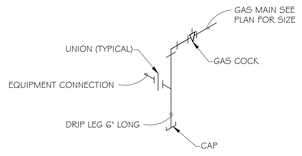
DETAIL - FLOOR DRAIN OR MECHANICAL ROOM FLOOR DRAIN WITH WATERLESS TRAP SEAL

N.T.S.



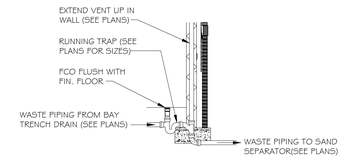
DETAIL - P-16 GAS-FIRED WATER HEATER

N.T.S.



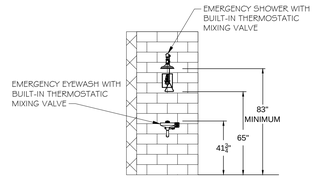
DETAIL - TYPICAL GAS EQUIPMENT CONNECTION

N.T.S.



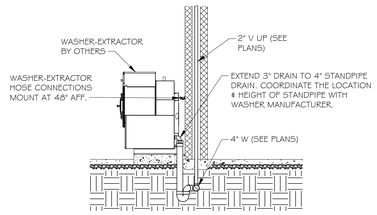
DETAIL - RUNNING TRAP

SCALE: ¼" = 1'-0"



P-7 EMERGENCY SHOWER & EYEWASH ELEVATION

SCALE: ¼" = 1'-0"



DETAIL - P-10 WASHER-EXTRACTOR CONNECTIONS

SCALE: ¼" = 1'-0"

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 15389 PROFESSIONAL ENGINEER W. A. SHERRER

NOT FOR CONSTRUCTION

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01951
Date:	1/29/2025
Drawn by:	WAS
Checked by:	WAS

Revisions:

No.	Date	Description

PLUMBING SCHEDULE & DETAILS

P2.0

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

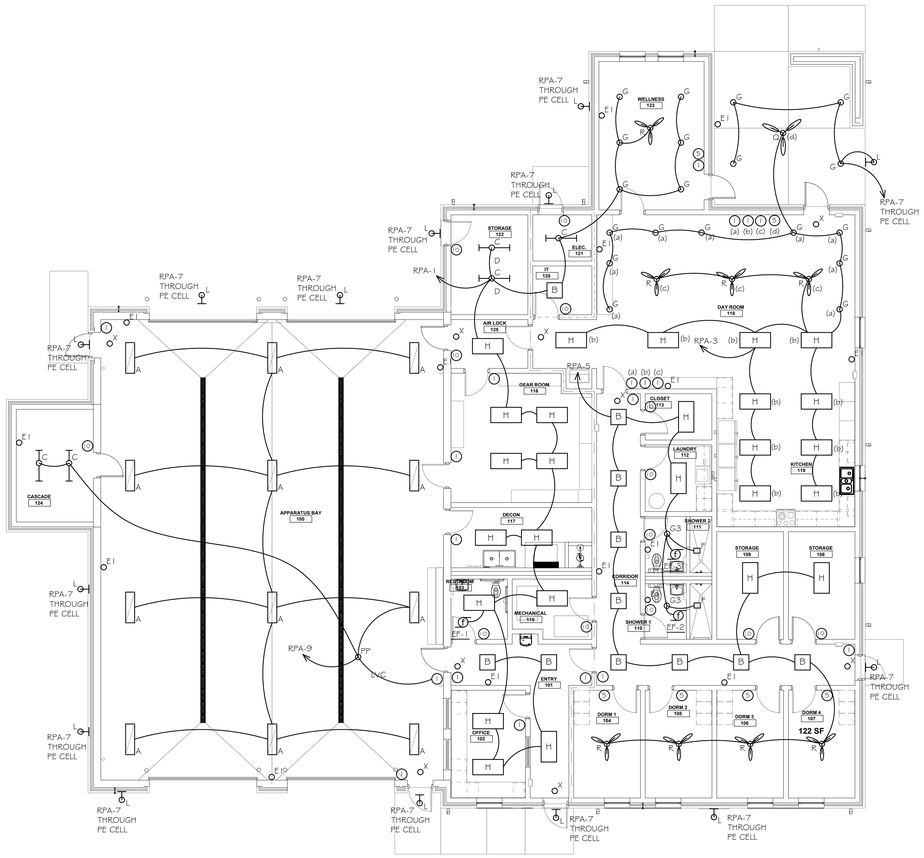
PRINTED: 9/30/2024 3:43:19 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

LIGHTING FIXTURE SCHEDULE

A	LITHONIA: IBG 18000LM AFL HEF GND MVOLT 40K 80CRI
B	LITHONIA: 2BLT2 40L ADP EZ1 LP840
C	LITHONIA: ZL1D L48 5000LM FST MVOLT 40K;
F	GOTHAM: EVO 40K 30 G DFDAMF 120 NON CONDUCTIVE SHOWER FIXTURE SQUARE UNIT WITH WHITE TRIM
G	LITHONIA: LDN6SQ 50L LED DOWNLIGHT 40K PROVIDE WET LOCATION UNIT ON IF USED ON EXTERIOR
G3	LITHONIA: LDN6SQ 30L LED DOWNLIGHT 40K PROVIDE WET LOCATION UNIT ON IF USED ON EXTERIOR
H	LITHONIA: 2BLT4 48L ADP EZ1 LP840
L	LITHONIA: IC04UDWC WALL MTD UP/DN CYLINDER 40K (LUMENS DOWN 35) AR LSS 40K (LUMENS UP 25) COLORS/FINISHES CHOSEN BY ARCHITECT WALL MOUNTED EXTERIOR FIXTURE SEE ARCH ELEVATIONS
Q	EXTERIOR GRADE CEILING FANS WITH WALL CONTROL: ARCHITECT TO SELECT HUNTER: 51180 52" COORDINATE WITH ARCHITECTS RCP
R	INTERIOR GRADE CEILING FANS WITH WALL CONTROL: ARCHITECT TO SELECT HUNTER: 52401 SERIES 44" COORDINATE WITH ARCHITECTS RCP
E1	LITHONIA: ELM4L WITH EM BATTERY CONNECT TO NEAREST UNSWITCHED HOT LEG
S	LITHONIA: AFT UNIT WITH EMERGENCY BATTERY CONNECT TO NEAREST UNSWITCHED HOT LEG
X	LITHONIA: LQM P R WITH EMERGENCY BATTERY CONNECT TO NEAREST UNSWITCHED HOT LEG
NL	IDICATES THE FIXTURE TO FUNCTION AS A NIGHT/LIGHT 24 HOUR OPERATION
PP	LIGHTING CONTROL POWER PACK.
LVC	LOW VOLTAGE COMMUNICATION WIRING FOR LIGHITNG CONTROLS SHOWN AS NEEDED ON PLANS FOR CLARITY AND MULT-ZONE

LIGHTING CONTROL SCHEDULE

1. LIGHTING CONTROL DEVICE 1
   NLIGHT NPODM WALL POD ON/OFF CONTROL
2. LIGHTING CONTROL DEVICE 14
   NLIGHT NCM PDT9 STANDARD RANGE DUAL TECHNOLOGY 360 DEGREE OCCUPANCY SENSOR
3. LIGHTING CONTROL DEVICE 10
   SENSOR SWITCH PUSHBUTTON ON/OFF DUAL TECH SENSOR
20. LIGHTING CONTROL DEVICE 20 NPP16
    16A POWER PACK.
4. LIGHTING CONTROL DEVICE 4
   NLIGHT NPODM-DX WALL POD ONE ON/OFF CONTROL, ONE DIMMER CONTROL
5. FAN SPEED CONTROLLER/LIGHTING CONTROL
   PROVIDED WITH UNIT OR SEPERATELY
   DEPENDING UPON MANUFACTUER



FLOOR PLAN-LIGHTING

1/8" = 1'-0"

NOTES:

1. COORDINATE ALL LIGHTING INSTALLATION WITH RCP PLAN AND ARCHITECTURAL DETAILS.

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 13983 PROFESSIONAL THOMAS W. MOORE

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	2/14/2025
Drawn by:	JML
Checked by:	TWM

Revisions:

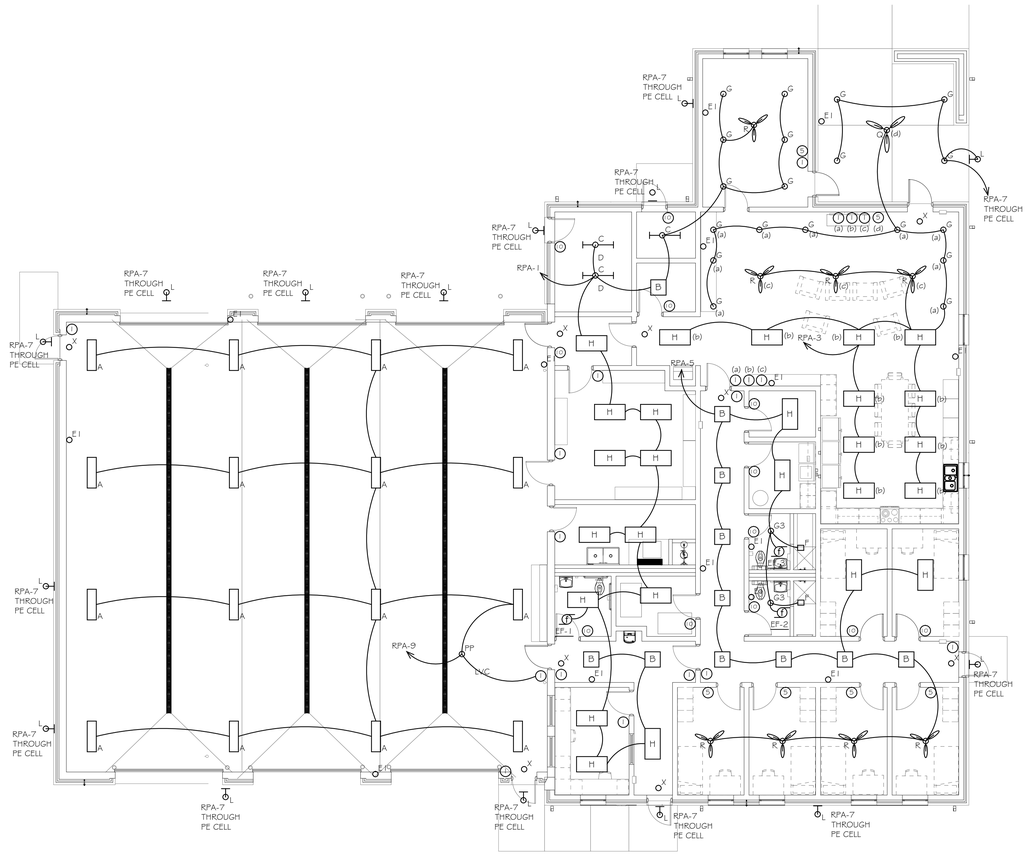
No.	Date	Description

FLOOR PLAN WITH ALTERNATE 1 LIGHTING

E1.0

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

PRINTED: 1/20/2025 3:16:37 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

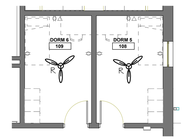


FLOOR PLAN ALTERNATE 4 - 3 APPARATUS BAYS-LIGHTING

1/8" = 1'-0"

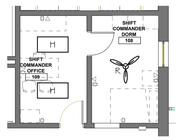
NOTES:-

1. COORDINATE ALL LIGHTING INSTALLATION WITH RCP PLAN AND ARCHITECTURAL DETAILS.



ALTERNATE 2-LIGHTING

1/8" = 1'-0"



ALTERNATE 3-LIGHTING

1/8" = 1'-0"

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 13983 PROFESSIONAL THOMAS W. MOORE

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	2/14/2025
Drawn by:	JML
Checked by:	TWM

Revisions:

No.	Date	Description

FLOOR PLAN WITH ALTERNATE 2-4 LIGHTING

E1.1

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

PRINTED: 1/20/2025 3:16:37 PM

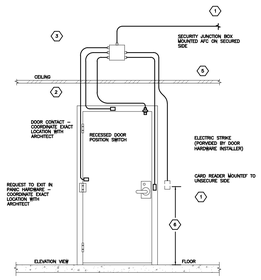
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

ELECTRICAL SYMBOLS

- WALL OUTLET, DUPLEX OUTLET, 20 A, 125 V, GROUNDED, GROUND FAULT CIRCUIT INTERUPTER, HUBBELL #GF-5362-GY
- WALL OUTLET, DUPLEX OUTLET, 20 A, 125 V, GROUNDED, HUBBELL #5362
- WALL OUTLET, DOUBLE DUPLEX OUTLET, 20 A, 125 V, GROUNDED, HUBBELL #5362
- PROVIDE OUTLET TYPE AS DIRECTED BY MANUFACTURER
- PROVIDE HEAVY DUTY CHORD REEL WITH GFCI OUTLET COORDINATE MOUNTING WITH STRUCTURE
- WIREMOLD 20GB50GTR TAMPER RESISTANT PLUGMOLD IN WHITE COORDINATE MOUNTING HEIGHTS AND LOCATIONS WITH ARCHITECTURAL ELEVATIONS
- LIGHTING / POWER PANEL - SEE SPECIFICATIONS AND PANELBOARD SCHEDULES
- •UP INDICATES CONDUIT STUB UP •DN INDICATES CONDUIT STUB DOWN
- BRANCH CIRCUIT CONCEALED IN FLOOR OR GROUND
- BRANCH CIRCUIT CONCEALED IN WALL OR CEILING
- HOME RUN TO PANELBOARD, ANY CIRCUIT WITHOUT FURTHER DESIGNATION
- 2#12 - 1/2 "C
- 3#12 - 1/2 "C
- 4#12 - 1/2 "C ETC, PER NATIONAL ELECTRICAL CODE
- E EMPTY CONDUIT - 3/4 "C UNLESS OTHERWISE NOTED
- BRANCH CIRCUIT EXPOSED
- EXHAUST FAN MOTOR-FURNISHED BY OTHERS, CONNECTION BY ELECTRICAL CONTRACTOR
- FUSED DISCONNECT SWITCH

NTS	NOT TO SCALE	WH	WATER HEATER
AFF	ABOVE FINISHED FLOOR	OC	OVER COUNTER, SINK, OR CABINET
EX	EXISTING	UC	UNDER COUNTER
VER	VERIFY LOCATION	EF	EXHAUST FAN
RT	RAINTIGHT	D	DRYER
WP	WEATHERPROOF	W	TWMHER
102	ROOM NUMBER		GROUNDING ELECTRODE PER NEC
EWC	ELECTRIC WATER COOLER		
NL	NIGHT LIGHT		
RMC	RIGID METAL CONDUIT		
EMT	ELECTRICAL METALLIC TUBING		
IMC	INTERMEDIATE METAL CONDUIT		

- P D POWER/DATA FLOOR BOX: PROVIDE WIREMOLD TWO COMPARTMENT BOX WIREMOLD RPB2-OG SUPPLY WITH TWO DUPLEX RECEPTACLES AND ONE MULTI PORT DATA OUTLET
- UNIT "MARK", SEE EQUIPMENT CALCULATIONS FOR CIRCUIT CHARACTERISTICS
- UNIT CIRCUIT DESIGNATION
- △ DATA OUTLET CONSISTING OF TWO CAT-6 CABLES TERMINATED ON EACH END CAT-6 CABLE SHALL MEET ALL STARDARDS FOR CAT-6 CABLING AND BE OF AN ACCEPTABLE MANUFACTURER TO OWNER. SEE DATA INSTALLATION NOTES
- △ AP WIRELESS ACCESS POINT CONSISTING OF TWO CAT-6 CABLES TERMINATED ON EACH END CAT-6 CABLE SHALL MEET ALL STARDARDS FOR CAT-6 CABLING AND BE OF AN ACCEPTABLE MANUFACTURER TO OWNER. SEE DATA INSTALLATION NOTES
- AC ACCESS CONTROLS BY VENDOR: CONTRACTOR SUPPLY ANY NEEDED 120V FOR TX



GENERAL NOTES

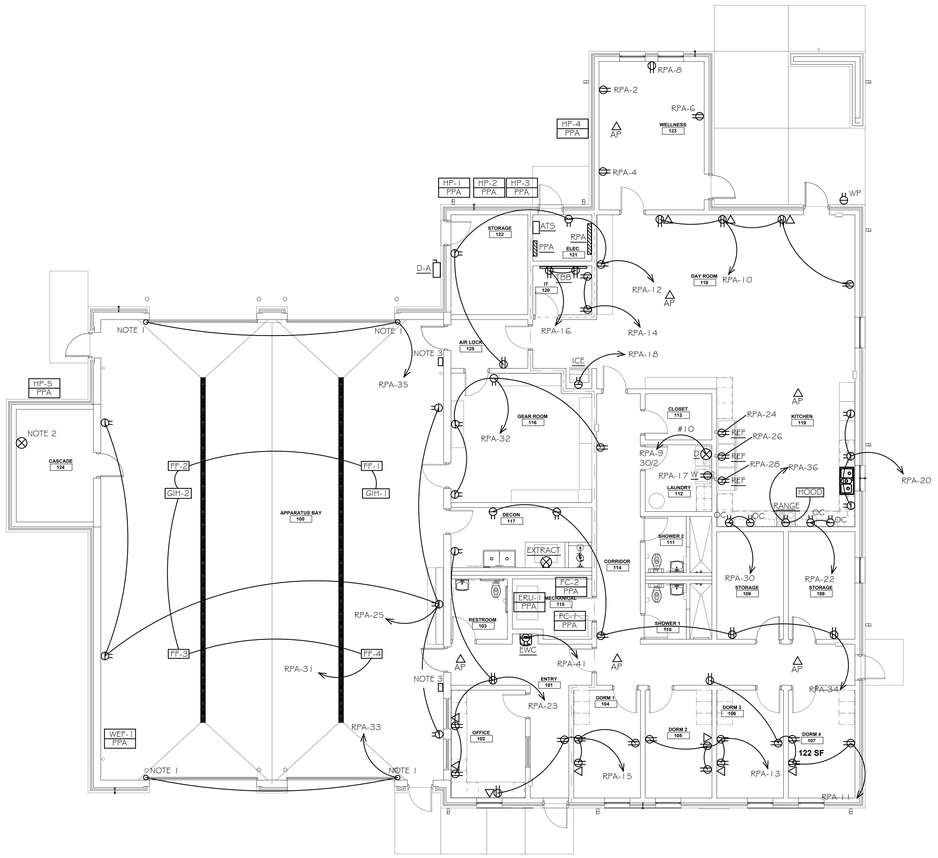
1. THESE DIAGRAMS INDICATE ROUGH-IN ONLY FOR ACCESS CONTROL COORDINATE WITH SECURITY CONSULTANT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. CONTRACTOR TO INSTALL ALL EQUIPMENT AND CABLING FOR ACCESS CONTROL SYSTEM.

KEYED NOTES

1. ONE (1) 1" EC FROM SECURITY JUNCTION BOX TO ACCESS CONTROL PANEL IN MAIN ELECTRICAL ROOM.
2. ONE (1) 3/4" EC FROM DOOR POSITION SWITCH MOUNT LOCATION TO ACCESSIBLE AFC.
3. ONE (1) 3/4" EC FROM ACCESSIBLE AFC STUBBED BEHIND DOOR FRAME
4. DOUBLE GANG BOX WITH SINGLE GANG DEVICE RING MOUNTED 42" A.F.F MIN. ONE (1) 3/4" TO ACCESSIBLE AFC.
5. ONE (1) 3/4" CONDUIT
6. COORDINATE DUCT MOUNTING HEIGHT WITH SECURITY CONSULTANT.

ACCESS CONTROL ROUGH-IN DETAIL

NTS



FLOOR PLAN-POWER & AUXILIARIES

1/8" = 1'-0"

DRAWING NOTES:
1. PROVIDE POWER TO G.C. PROVIDED DOOR AND RED/GREEN LIGHT UNIT. INSTALL ALL COMPONENTS PROVIDED WITH UNIT INCLUDING BUT NOT LIMITED TO THE CONTROLLER, LIGHTING FIXTURE, ETC. ARCHITECT WILL DETERMINE HEIGHT OF DOOR LIGHTS ONCE PROJECT IS UNDER CONSTRUCTION.
2. OWNER PROVIDED AIR COMPRESSOR. VERIFY CIRCUIT INFORMATION ONCE PROVIDED. A 5 H.P. UNIT HAS BEEN ASSUMED AT THIS STAGE. SEE PANEL SCHEDULE AND EQUIPMENT CALCS.
3. CONTROLLERS FOR O.H. DOORS SHALL BE LOCATED SUCH THAT EITHER DOOR CAN BE CONTROLLED FROM THESE TWO LOCATIONS. SEE ARCHITECTS PLANS FOR MORE INFORMATION.

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 13983 PROFESSIONAL ENGINEER THOMAS W. MOORE

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	2/14/2025
Drawn by:	JML
Checked by:	TWM

Revisions:

No.	Date	Description

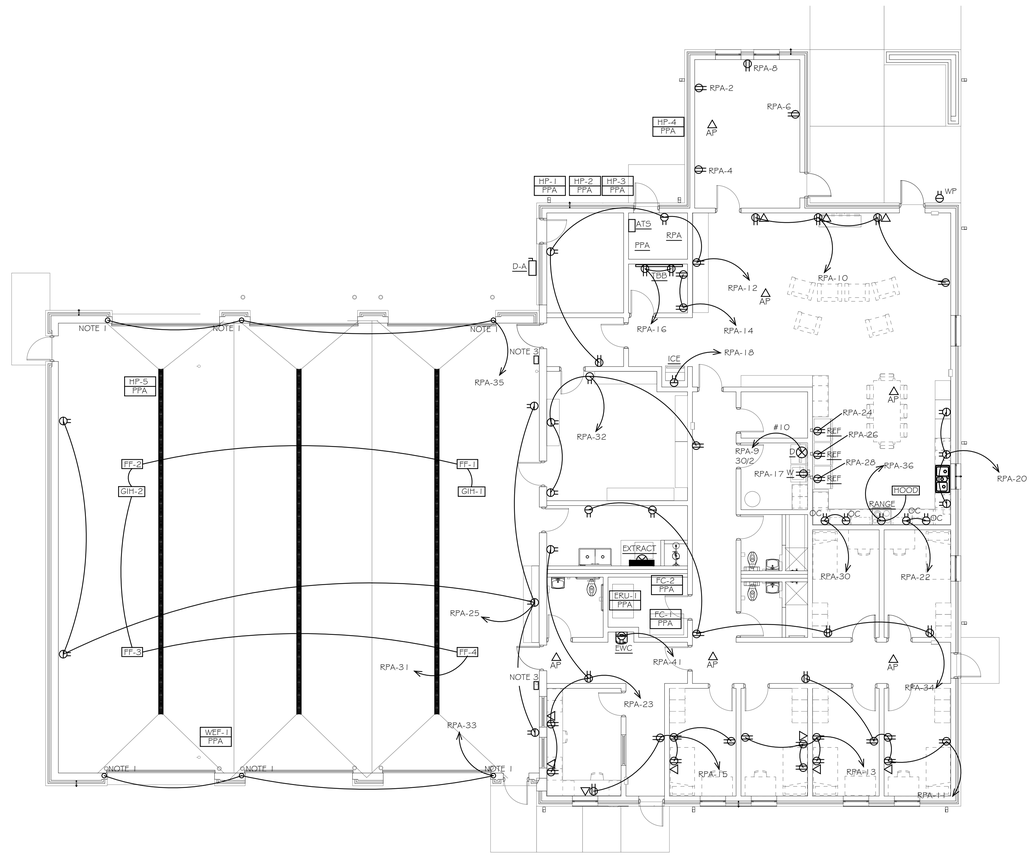
FLOOR PLAN WITH ALTERNATE 1 POWER & AUXILIARIES

E2.0

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

PRINTED: 1/20/2025 3:16:37 PM

FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

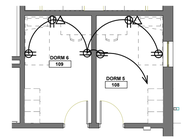


FLOOR PLAN ALTERNATE 4 - 3 APPARATUS BAYS-POWER & AUXILIARIES

1/8" = 1'-0"

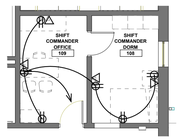
DRAWING NOTES:

1. PROVIDE POWER TO G.C. PROVIDED DOOR AND RED/GREEN LIGHT UNIT. INSTALL ALL COMPONENTS PROVIDED WITH UNIT INCLUDING BUT NOT LIMITED TO THE CONTROLLER, LIGHTING FIXTURE, ETC. ARCHITECT WILL DETERMINE HEIGHT OF DOOR LIGHTS ONCE PROJECT IS UNDER CONSTRUCTION.
2. OWNER PROVIDED AIR COMPRESSOR. VERIFY CIRCUIT INFORMATION ONCE PROVIDED. A 5 H.P. UNIT HAS BEEN ASSUMED AT THIS STAGE. SEE PANEL SCHEDULE AND EQUIPMENT CALCS.
3. CONTROLLERS FOR O.H. DOORS SHALL BE LOCATED SUCH THAT EITHER DOOR CAN BE CONTROLLED FROM THESE TWO LOCATIONS. SEE ARCHITECTS PLANS FOR MORE INFORMATION.



ALTERNATE 2-POWER & AUXILIARIES

1/8" = 1'-0"



ALTERNATE 3-POWER & AUXILIARIES

1/8" = 1'-0"

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 13983 PROFESSIONAL THOMAS W. MOORE

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	2/14/2025
Drawn by:	JML
Checked by:	TWM

Revisions:

No.	Date	Description

FLOOR PLAN WITH ALTERNATE 2-4 POWER & AUXILIARIES

E2.1

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

PRINTED: 1/20/2025 3:16:37 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt

DATA INSTALLATION NOTES:

THE INTENT IS FOR THE COMMUNICATIONS CONTRACTOR TO INSTALL A COMPLETE NETWORK CABLING SYSTEM

BELOW ARE LISTED THE COMPONENTS FOR THE DATA ROOM 103.

ALL COPPER CABLING SHALL BE CERTIFIED CAT 6A TERMINATED 568B ON ANGLED 48 PORT PATCH PANELS

(1) CHATSWORTH WALL MOUNTED RACK W/WIRE MANAGER: MODEL 57014-703
CHATSWORTH VERTICAL CABLE MANAGER: MODEL 13912-703
CHATSWORTH WALL TO RACK MOUNTING KIT: MODEL 11911-712
CHATSWORTH RACK MOUNTED POWER STRIP: MODEL 12816-705
UPS: TRIPP LITE SMART1000RM2U (800W) NIC CARD: WEBCARDLX
CORNING RACK MOUNT ENCLOSURE: MODEL CCH-02U
CORNING OM3 COUPLER PANEL, LC: MODEL CCH-CP12-E4
CORNING LC FIBER CONNECTOR: MODEL 95-050-99-X
MATCHING 48 PORT PATCH PANELS WITH ALL CONNECTING PATCH CORDS NUMBER AS NEEDED WITH FUTURE SPACE AVAILABLE

FIBER
FIBER PROVIDED BY OWNER THROUGH UTILITY CO. INTO BUILDING USING CONTRACTOR PROVIDED ENTRANCE CONDUIT.
CONTRACTOR SHALL ENSURE THAT ALL NEEDED MODULES AND COMPONENTS ARE PROVIDED FOR SEEMLESS FIBER CONNECTION AN OPERATION (COORDINATE THIS WORK WITH OWNER)

CABLING COLOR SHALL BE: (VERIFY WITH OWNER)
BLUE: DATA OUTLETS AND APS
YELLOW: CAMERA OUTLETS/SECURITY
WHITE: FOR ALL OTHER CONNECTIONS
LABEL EACH CABLE AT BOTH ENDS

PATCH PANELS:
DATA DROPS SHALL TERMINATE IN THEIR OWN PATCH PANEL
PROVIDE TWO EMPTY PATCH PANELS FOR OWNER SYSTEMS

UPON COMPLETION CERTIFY ALL CABLING AND
PROVIDE TEST RESULTS FOR OWNER REVIEW
PROVIDE AS-BUILT DRAWINGS UPON
COMPLETION FOR OWNER INSTALLER
MUST BE CERTIFIED CABLING AND FIBER OPTIC
TECHNICIAN

INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETE SET IF INSTALLATION SHOP DRAWINGS FOR THE OWNERS IT DEPARTMENT TO REVIEW BEFORE INSTALLATION BEGINS.

E.C. MUST COORDINATE EXACT POWER
REQUIREMENTS FOR VENDOR

PS	PULL STATION
SS	SPEAKER STROBE
	STROBE ONLY, NEW AND RELOCATED
FACP	FIRE ALARM CONTROL PANEL
	SMOKE DETECTOR
HT	HEAT DETECTOR, COMBINATION FIXED AND RATE OF RISE
SFS	SPRINKLER FLOW SWITCH
TS	SPRINKLER TAMPER SWITCH
	FIRE ALARM CHIME FOR SLEEPING QUARTERS
HFS	HOOD SUPPRESSION MONITOR AS NEEDED
FC-1 (SUPPLY)	DUCT MOUNTED SMOKE DETECTOR
S	APPARATUS BAY/HIGH CEILING LOUDSPEAKER SEE SPECIFICATION THIS SHEET
S	CEILING LOUD SPEAKER: EQUAL TO VALCOM V-C806FK ROUND IN AREAS WITH OPEN STRUCTURE PROVIDE AXIS C1510 PENDANT SPEAKER

APPARATUS BAY LOUD SPEAKER SPECIFICATION

THE LOUDSPEAKER SHALL BE SOUNDSPHERE MODEL 110B.

THE LOUDSPEAKER SHALL BE SELF CONTAINED, WIDE RANGE DEVICE WITH A WIDE
COVERAGE PATTERN. THE FREQUENCY RESPONSE SHALL BE 150Hz TO 12k Hz +/-6dB; THE VERTICAL POLAR COVERAGE SHALL BE 180 DEGREES.

THE LOUDSPEAKER SHALL HAVE A MINIMUM SENSITIVITY OF 96dB SPL 1 WATT/1 METER. A CONTINUOUS POWER HANDLING CAPABILITY OF 35 WATTS RMS, AND A RATED IMPEDANCE OF 4 ohms.

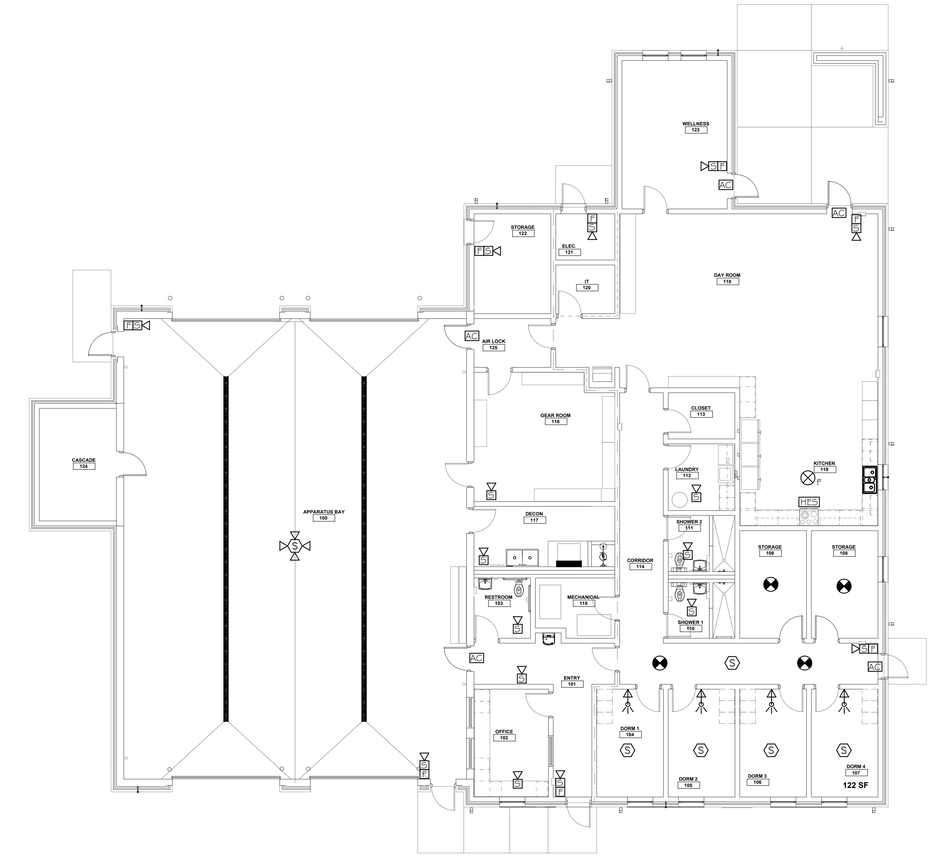
THE LOUDESPEAKER DRIVER SHALL BE ON 6-1/2 INCH FULL RANGE UNIT. THE DRIVER
SHALL BE MOUNTED IN A SPHERICAL ENCLOSURE MADE OF STRUCTURAL FOAM POLYSTYRENE. ASSEMBLY HARDWARE SHALL BE RUSTPROOF.

PROVIDE OPTIONAL MOUNTING KITS REQUIRED FOR THIS PROJECT SPECIFICS.

PROVIDE ON BOARD POWER 2 AMPLIFIER.

ARCHITECT SHALL DICTATE COLOR OF UNIT.

PROVIDE ALL NECESSARY WIRING, COMPONENTS FOR PROPER CONNECTION TO THE PAGING SYSTEM.



FLOOR PLAN-FIRE ALARM

1/8" = 1'-0"

DRAWING NOTES:
1. EXTERIOR WEATHERPROOF SPEAKER STROBE FOR SPRINKLER FLOW.
2. PROVIDE CAT6A CABLE OR MANUFACTURER RECOMMENDED SPEAKER CABLE FROM EACH SPEAKER TO AREA ABOVE DATA ROOM. LEAVE 12 FT OF SLACK.

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 13983 PROFESSIONAL THOMAS W. MOORE

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	2/14/2025
Drawn by:	JML
Checked by:	TWM

Revisions:

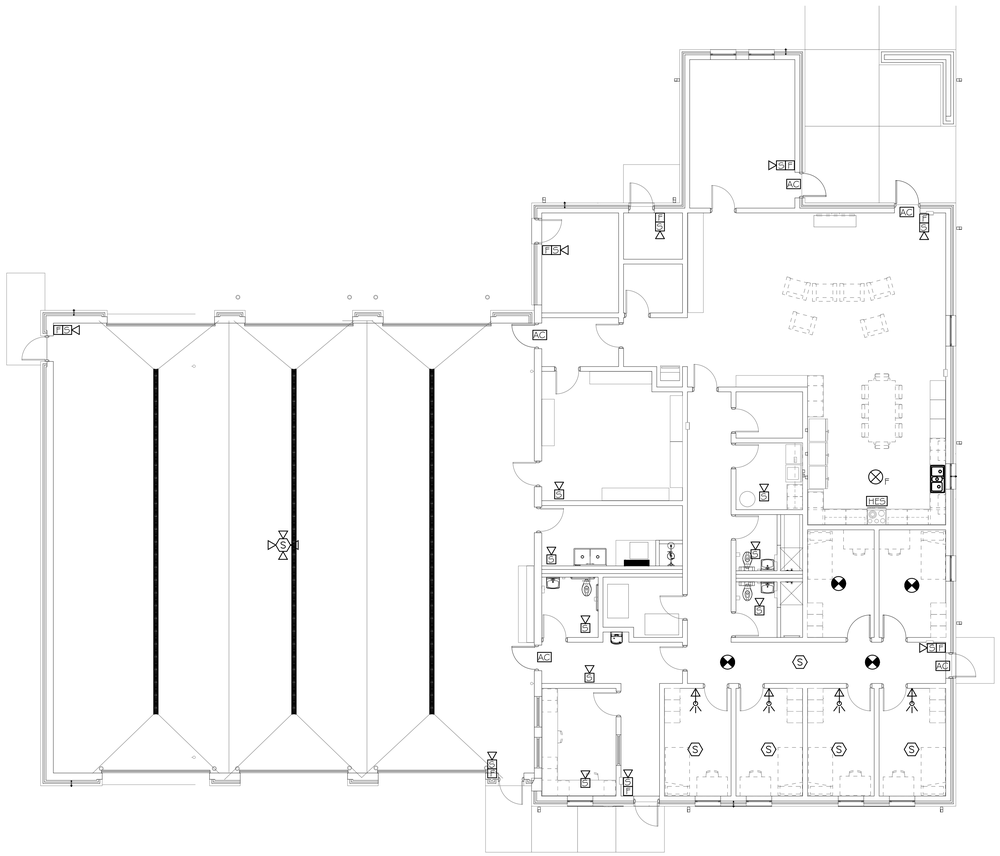
No.	Date	Description

FLOOR PLAN WITH ALTERNATE 1 FIRE ALARM

E3.0

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt
PRINTED: 1/20/2025 3:16:37 PM

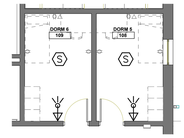


FLOOR PLAN ALTERNATE 4 - 3 APPARATUS BAYS - FIRE ALARM

1/8" = 1'-0"

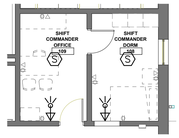
DRAWING NOTES:

1. EXTERIOR WEATHERPROOF SPEAKER STROBE FOR SPRINKLER FLOW.
2. PROVIDE CAT6A CABLE OR MANUFACTURER RECOMMENDED SPEAKER CABLE FROM EACH SPEAKER TO AREA ABOVE DATA ROOM. LEAVE 12 FT OF SLACK.



ALTERNATE 2-FIRE ALARM

1/8" = 1'-0"



ALTERNATE 3-FIRE ALARM

1/8" = 1'-0"

2WR
urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 13983 PROFESSIONAL THOMAS W. MOORE

TROUP COUNTY FIRE STATION #14

3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA

100% CONSTRUCTION DOCUMENTS

Project No.:	24-01977
Date:	2/14/2025
Drawn by:	JML
Checked by:	TWM

Revisions:

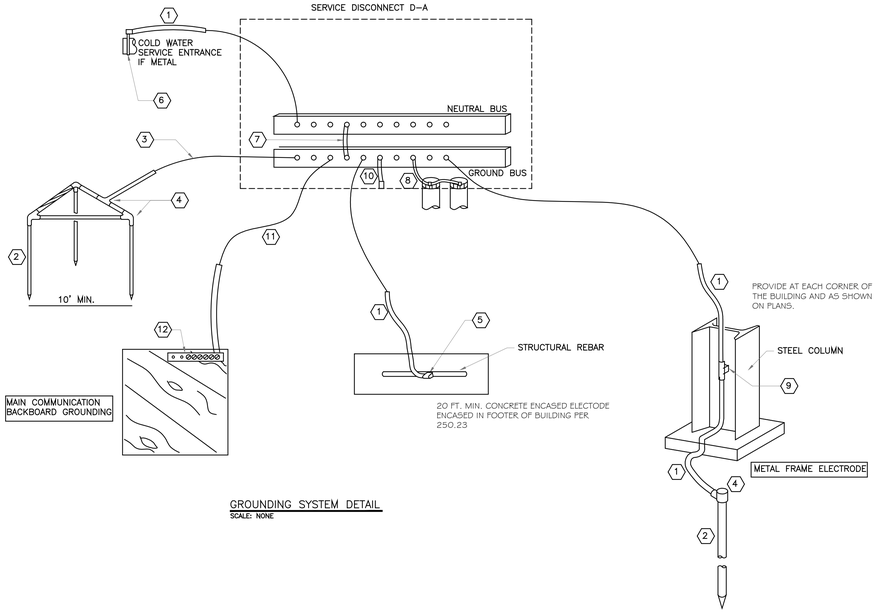
No.	Date	Description

FLOOR PLAN WITH ALTERNATE 2-4 FIRE ALARM

E3.1

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

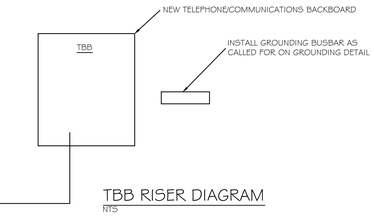
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt
PRINTED: 1/20/2025 3:16:37 PM



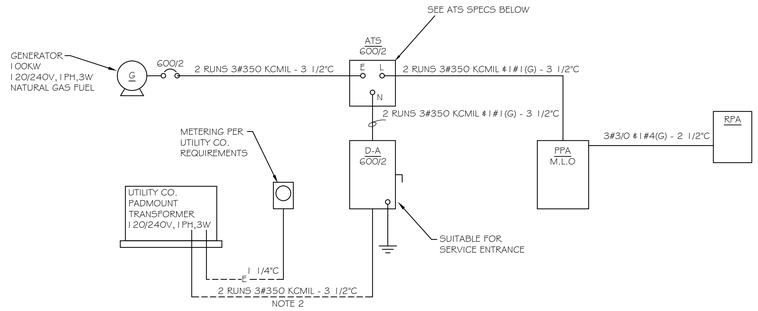
GROUNDING SYSTEM DETAIL
SCALE: NONE

GROUNDING SYSTEM DETAIL – KEY NOTES

1. 2/0 BARE GROUNDING ELECTRODE CONDUCTOR PER 250.66
2. 3/4" X 10' COPPER CLAD STEEL GROUND ROD, DRIVEN 24" BELOW GRADE MIN.
3. #6 BARE GROUNDING ELECTRODE CONDUCTOR IN PVC-40.
4. EXOTHERMIC WELD CONNECTOR: TWO CABLES TO GROUND ROD, CADWELD CABLE TO CABLE TEE, CADWELD ONE CABLE TO GROUND ROD
5. EXOTHERMIC WELD CABLE TO REBAR, CADWELD.
6. LISTED CONNECTION PER NEC 250 WITHIN 5FT OF BUILDING
7. 2/0 CAST BRONZE UL LISTED GROUND CLAMP
8. BONDING JUMPER TO GROUNDING BUSHING AND BONDING JUMPERS FROM CONDUIT TO CONDUIT. ALL CONDUIT CONNECTED TO THE SERVICE ENTRANCE ENCLOSURE SHALL BE BONDED AND SIZED PER NEC 250
9. EXOTHERMIC WELD CABLE TO FLAT STEEL
10. MAIN BONDING JUMPER SIZED BY MANUFACTURER PER NEC 250
11. #4 BONDING JUMPER IN 2" PVC-40
12. CHATSWORTH BICSI AND ANSI GROUNDING BUSBAR 13622-010



TBB RISER DIAGRAM
NTS



ELECTRICAL SINGLE LINE DIAGRAM
NTS

NOTES:
1. COORDINATE SERVICE ENTRANCE WITH UTILITY CO. REVIEW CIVIL FOR TRANSFORMER LOCATION.
2. THIS WIRE VALUE IS HERE AS A PLACEHOLDER. REVIEW SERVICE WITH UTILITY CO. AND PROVIDE SERVICE PER THEIR INSTRUCTIONS.

AUTOMATIC TRANSFER SWITCH SPECIFICATIONS

UNIT SHALL BE:
GENERAC
TXG 1 1 SERIES TRANSFER SWITCH
600A 100% CURRENT RATED
SINGLE PHASE 2 POLE (NOT SWITCHING NEUTRAL)
UL LISTED NEMA 3R ENCLOSURE
ETL LISTED UL 1008
HIGH WITHSTANDING AND CLOSING RATINGS
3-CYCLE FOR EASY BREAKER COORDINATION
LISTED TO COMPLY WITH ALL NEEDED CODES AND STANDARDS
NFPAP, ETL AND NEC

EQUIPMENT CALCULATIONS

MARK	DESCRIPTION	VA	BREAKER AMPS	BREAKER POLES	DISCONNECT	WIRE	VOLTS	REMARKS
FC-1	FAN COIL UNIT	10000	60	2	NEMA1 60/2	2#6&1#10(G)-3/4"C	240	
HP-1	OUTDOOR SECTION HEAT PUMP	6144	50	2	NEMA3R 60/2	2#8&1#10(G)-3/4"C	240	
FC-2	FAN COIL UNIT	10000	60	2	NEMA1 60/2	2#6&1#10(G)-3/4"C	240	
HP-2	OUTDOOR SECTION HEAT PUMP	6144	50	2	NEMA3R 60/2	2#8&1#10(G)-3/4"C	240	
ERU-1	ENERGY RECOVERY UNIT	1728	20	2	FURNISHED	2#12&1#12(G)-3/4"C	240	
DUCTLESS SPLITS								
HP-3	OUTDOOR SECTION HEAT PUMP	1392	20	2	NEMA-3R 30/2	2#12&1#12(G)-3/4"C	240	
SERVE INDOOR UNIT FC-3 FROM THE OUTDOOR UNIT: INSTALL CABLING PER MANUFACTURER AND NEC								
HP-4	OUTDOOR SECTION HEAT PUMP	2112	20	2	NEMA-3R 30/2	2#12&1#12(G)-3/4"C	240	
SERVE INDOOR UNIT FC-4 FROM THE OUTDOOR UNIT: INSTALL CABLING PER MANUFACTURER AND NEC								
HP-5	OUTDOOR SECTION HEAT PUMP	1152	20	2	NEMA-3R 30/2	2#12&1#12(G)-3/4"C	240	
SERVE INDOOR UNIT FC-5 FROM THE OUTDOOR UNIT: INSTALL CABLING PER MANUFACTURER AND NEC								
EXHAUST FANS								
EF-1	EXHAUST FAN	17	20	1	FURNISHED	2#12&1#12(G)-3/4"C	120	
EF-2	EXHAUST FAN	18	20	1	FURNISHED	2#12&1#12(G)-3/4"C	120	
EF-3	EXHAUST FAN	18	20	1	FURNISHED	2#12&1#12(G)-3/4"C	120	
WEF-1	EXHAUST FAN	1656	25	1	FURNISHED	2#12&1#12(G)-3/4"C	120	
NOTE: SEE MECHANICAL SCHEDULE FOR CONTROL TYPE AND PROVIDE IF APPLICABLE								
VEHICLE EXHAUST UNIT								
FF-1-FF-6	EXHAUST FILTER UNIT	200	20	1	SEE MANUFACT	2#12&1#12(G)-3/4"C	120	
GAS FIRED UNIT HEATERS								
GIH-1	GAS UNIT HEATER	200	20	1	MOTOR SWITCH	2#12&1#12(G)-3/4"C	120	
GIH-2	GAS UNIT HEATER	200	20	1	MOTOR SWITCH	2#12&1#12(G)-3/4"C	120	
AIR COMP	AIR COMPRESSOR/OWNER PROVIDED	6720	60	2	NEMA1 60/2	2#6&1#10(G)-1"C	240	
P-16	GAS FIRED WATER HEATER	500	20	1	MOTOR SWITCH	2#12&1#12(G)-3/4"C	120	
PROVIDE 120V POWER NEEDED FOR RECIRC PUMP								

PANEL RPA — MINIMUM INTERRUPTING RATING 28000 AMPS
NQOD — SURFACE MOUNT
120/240V, 1PH, 3W — 200 AMPS MAIN LUGS ONLY
WITH INTEGRAL TVSS

CKT NO	DESCRIPTION	BREAKERS POLE	AMP	VA	VA	AMP	POLE	DESCRIPTION	CKT NO
1	LTS	1	20	1400	1000	20	1	FITNESS EQMT	2
3	LTS	1	20	1350	1000	20	1	FITNESS EQMT	4
5	LTS	1	20	1450	1000	20	1	FITNESS EQMT	6
7	EXT LTS	1	20	200	1000	20	1	FITNESS EQMT	8
9	BAY LTS	1	20	1370	1000	20	1	REC	10
11	REC	1	20	1000	1000	20	1	REC	12
13	REC	1	20	1000	400	20	1	REC	14
15	REC	1	20	1000	400	20	1	REC	16
17	W MACH (GFCI)	1	20	750	1000	20	1	ICE	18
19	DRYER (GFCI)	2	30	3000	600	20	1	REC	20
21	*				400	20	1	KIT REC	22
23	REC	1	20	1000	500	20	1	REF	24
25	REC	1	20	1000	500	20	1	REF	26
27	SPACE				500	20	1	REF	28
29	P-19	1	20	600	400	20	1	KIT REC	30
31	FF-1-4,GIH-1,2	1	20	800	800	20	1	REC	32
33	BAY DRS,LTS	1	20	1000	1000	20	1	REC	34
35	BAY DRS,LTS	1	20	1000	500	20	1	RANGE/HOOD	36
37	SPACE							SPACE	38
39	SPACE							SPACE	40
41	EWC	1	20	750				SPACE	42
43	SPACE							SPACE	44
45	SPACE							SPACE	46
47	SPACE							SPACE	48
49	SPACE							SPACE	50
51	SPACE							SPACE	52
53	SPACE							SPACE	54
55	SPACE							SPACE	56
57	SPACE							SPACE	58
59	SPACE							SPACE	60
61	SPACE							SPACE	62
63	SPACE							SPACE	64
65	SPACE							SPACE	66
67	SPACE							SPACE	68
69	SPACE							SPACE	70
71	SPACE							SPACE	72
73	SPACE							SPACE	74
75	SPACE							SPACE	76
77	SPACE							SPACE	78
79	SPACE							SPACE	80
81	SPACE							SPACE	82
83	SPACE							SPACE	84
	TOTAL			31670 VA					

PANEL PPA — MINIMUM INTERRUPTING RATING 28000 AMPS
ILINE — WALL MOUNTED
120/240V,1PH,3W — 600 AMPS BOLT LOC
WITH INTEGRAL TVSS

CKT NO	DESCRIPTION	BREAKERS POLE	AMP	VA	REMARKS
1	EXTRACTOR	2	20	3000	
2	HP-1	2	50	6144	
3	HP-2	2	50	6144	
4	HP-3	2	20	1392	
5	HP-4	2	20	2112	
6	HP-5	2	20	1152	
7	FC-1	2	60	10000	
8	FC-2	2	60	10000	
9	PANEL RPA	2	200	31670	SUB FEED BREAKER
10	AIR COMP	2	60	6720	
11	ERU-1	2	20	1728	
12	SPACE				SEE GEAR SUBMITTAL
13	SPACE				SEE GEAR SUBMITTAL
14	SPACE				SEE GEAR SUBMITTAL
	TOTAL			80.062 kVA	

PEACH Engineering
1214 1st Avenue Suite 210
Columbus, GA 31902
(706) 596-1840
Fax: (706) 596-9233

2WR urban-gro
11 Ninth Street, Suite 120
Columbus, GA 31901
P. (706) 571-6923

GEORGIA REGISTERED No. 13983 PROFESSIONAL ENGINEER THOMAS W. MOORE

TROUP COUNTY FIRE STATION #14
3157 ROANOKE ROAD
TROUP COUNTY, GEORGIA
100% CONSTRUCTION DOCUMENTS

Project No.: 24-01977
Date: 2/14/2025
Drawn by: JML
Checked by: TWM
Revisions:

No.	Date	Description

DETAILS

E4.0

PRINTED: 1/20/2025 3:16:37 PM
FILE PATH: Autodesk Docs://24-01977 Troup County Georgia Fire Station/Troup Co FS Prototype R24 DD.rvt