

CODE SUMMARY

- APPLICABLE CODES:
- BUILDING CODE.....UFC 1-200-01 / 2018 INTERNATIONAL BUILDING CODE
 - STRUCTURAL CODE.....UFC 3-301-01
 - PLUMBING CODE.....UFC 3-420-01
 - MECHANICAL CODE.....UFC 3-401-01
 - FIRE CODE.....UFC 3-600-01 / NFPA 101
 - ELECTRICAL CODE.....UFC 3-501-01
 - ENERGY CODE.....UFC 1-200-02
 - ACCESSIBILITY CODE.....2010 ADA STANDARDS
 - LIFE SAFETY CODE.....UFC 3-600-01

IBC CHAPTER 3 AND UFC 3-600-01 OCCUPANCY & USE:
NFPA 101 CHAPTER 6:

- SEE LEGEND ON LIFE SAFETY PLAN

IBC CHAPTER 4 - SPECIAL DETAILED REQUIREMENTS:

- NOT APPLICABLE

IBC CHAPTER 5 - GENERAL BUILDING HEIGHTS & AREAS:

- CONSTRUCTION TYPE = II-B, SPRINKLED, GROUP S-1
- ALLOWABLE BUILDING HEIGHT (PER TABLE 504.3)
75 FEET ABOVE GRADE PLANE
- ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE (PER TABLE 504.4)
3 STORIES ABOVE GRADE PLANE
- TABULAR BUILDING AREA (PER TABLE 506.2)
70,000 SQUARE FEET
- FIRE SEPARATION REQUIREMENTS NONSEPARATED OCCUPANCIES
- INCIDENTAL USE AREAS (PER TABLE 509)
SEE OCCUPANCY TABLE.

IBC CHAPTER 6 TYPES OF CONSTRUCTION:

- CONSTRUCTION TYPE: II-B
- FIRE RATINGS (PER TABLE 601) AS FOLLOWS (EXCEPT WHERE NOTED OTHERWISE)
 - PRIMARY STRUCTURAL FRAME..... 0 HOUR
 - BEARING WALLS (INTERIOR & EXTERIOR)..... 0 HOUR
 - NON-BEARING WALLS AND PARTITIONS (INTERIOR)..... 0 HOUR
 - FLOOR CONSTRUCTION AND SECONDARY MEMBERS..... 0 HOUR
 - ROOF CONSTRUCTION AND SECONDARY MEMBERS..... 0 HOUR

REQUIRED FIRE SEPERATION (PER TABLE 602)

OCCUPANCY TYPE	FIRE SEPARATION	REQ. RATING
B	>30'	0 HR
S-1	>30'	0 HR

IBC CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES:

- MAXIMUM EXTERIOR WALL OPENINGS (PER IBC SECTION 705)
DEGREE OF OPENING PROTECTION: ALLOWABLE AREA:
UNPROTECTED, SPRINKLERED, (UP, S) NO LIMIT
- FIRE WALLS (PER NFPA 8.3.2)
NO FIRE WALLS ARE PRESENT WITHIN THE SCOPE OF THE PROJECT
- SHAFT ENCLOSURE (PER NFPA 8.3.1 / 7.3.1.2)
NOT APPLICABLE
- OPENING PROTECTIVES (PER NFPA 8.3.4)
TYPE OF ASSEMBLY ASSEMBLY RATING REQUIRED OPENING PROTECTION
NOT APPLICABLE
- CONCEALED SPACES (PER SECTION 718)
NOT APPLICABLE
- SEE LEGEND ON LIFE SAFETY PLAN FOR APPLICABLE UL ASSEMBLIES TO BE PROVIDED.

IBC CHAPTER 8, UFC 3-600-01, NFPA 101 - INTERIOR FINISHES:

- FINISH MATERIAL RATING REQUIREMENTS (PER NFPA 101)
 - BUSINESS (CHAPTER 39)
INTERIOR WALL AND CEILING FINISH - CLASS A, B, OR C (42.3.3.2)
 - STORAGE S-1 (CHAPTER 42)
INTERIOR WALL AND CEILING FINISH - CLASS A, B, OR C (42.3.3.2.2)

UFC 3-600-01 (REPLACES IBC CHAPTER 9) - FIRE PROTECTION SYSTEMS:

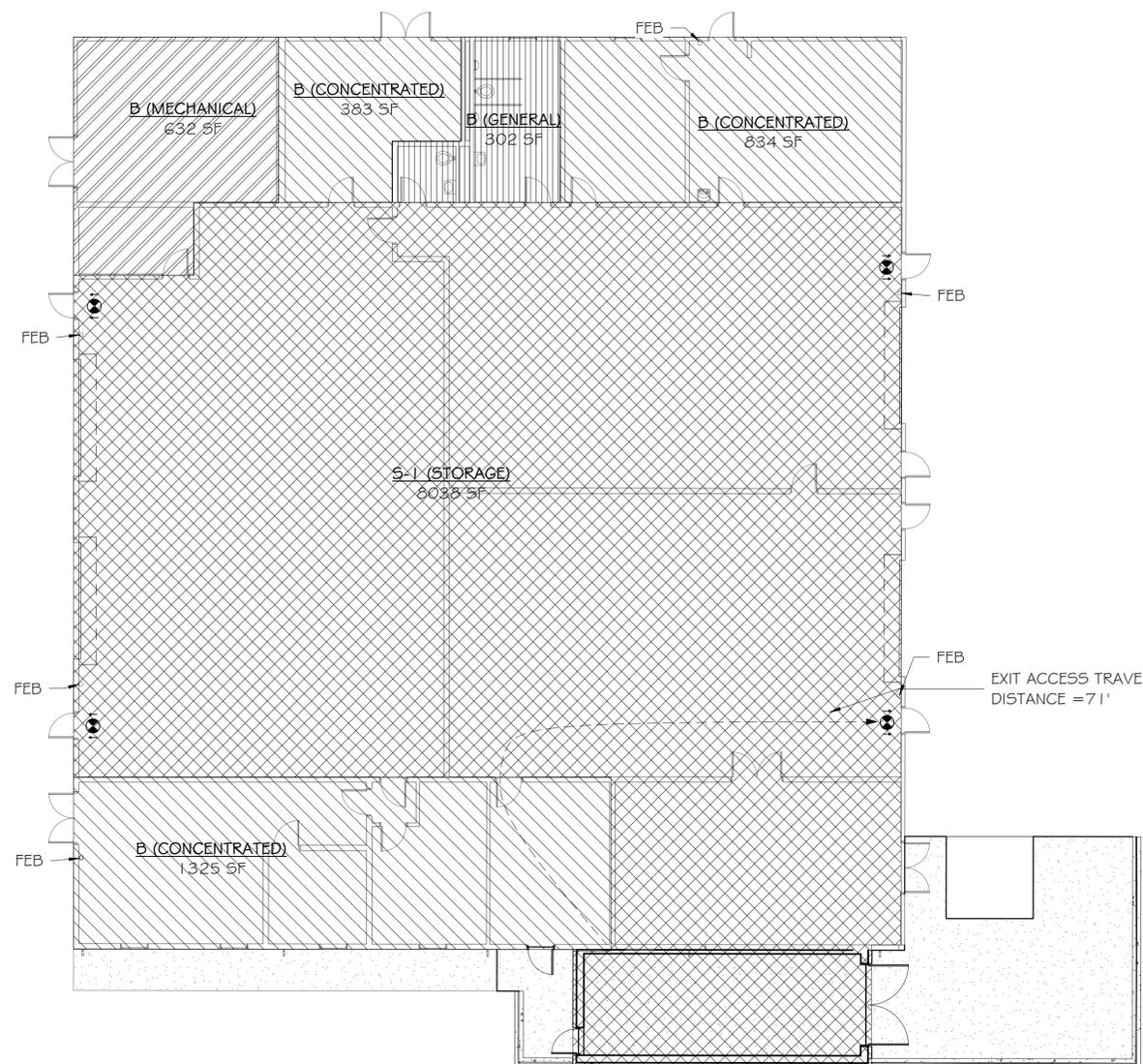
- SECTION 9-1 - EMERGENCY VEHICLE ACCESS
 - FACILITY REQUIRES ONE MEANS OF ALL-WEATHER EMERGENCY VEHICLE GROUND ACCESS IN ACCORDANCE WITH 9-1.1
 - FACILITY DOES NOT REQUIRE AERIAL APPARATUS ACCESS IN ACCORDANCE WITH 9-1.2
- SECTION 9-2 - FIRE FLOW FOR FACILITIES
 - FIRE FLOW FOR SPRINKLER SYSTEM IS PROVIDED IN ACCORDANCE WITH 9-2.1
- SECTION 9-3 - SERVICE MAINS AND LATERALS
 - FIRE HYDRANTS ARE PROVIDED IN ACCORDANCE WITH 9-3.5.8.2
 - ALL PARTS OF THE FACILITY EXTERIOR ARE WITHINT 350 FT OF A HYDRANT
 - FIRE HYDRANTS ARE PROVIDED IN ACCORDANCE WITH 9-3.5.8.4
 - ONE HYDRANT IS LOCATED WITH 150FT OF THE FIRE DEPARTMENT CONNECTION
- SECTION 9-5 - FIRE PUMPS
 - A FIRE PUMP IS NOT REQUIRED TO MEET FIRE PROTECTION DEMAND
- SECTION 9-7 - AUTOMATIC SPRINKLER SYSTEMS
 - PER 9-7.2.1, AN AUTOMATIC SPRINKLER SYSTEM IS REQUIRED
- SECTION 9-10 - STANDPIPE SYSTEMS
 - PER 9-10, A STANDPIPE SYSTEM IS NOT REQUIRED
- SECTION 9-17 - PORTABLE FIRE EXTINGUISHERS
 - FIRE EXTINGUISHERS ARE PROVIDED, SEE PLANS FOR LOCATIONS

NFPA CHAPTER 7 (REPLACES IBC CHAPTER 10) - MEANS OF EGRESS:

- OCCUPANCY LOAD (PER TABLE 7.3.1.2):
SEE OCCUPANCY TABLE
- EGRESS CAPACITY SIZING (PER TABLE 7.3.3.1)
SEE CODE CALCULATIONS TABLE(S)
SEE LIFE SAFETY PLAN FOR INDIVIDUAL ROOM EGRESS ANALYSIS
- MINIMUM STAIR WIDTH (PER SECTION 7.3.3.1)
SEE CODE CALCULATIONS TABLE(S)
- NUMBER OF MEANS OF EGRESS (PER SECTION 7.4.1)
TOTAL NUMBER OF EXITS REQUIRED
BUSINESS OCCUPANCY (CHAPTER 39)
2 EXITS REQUIRED
S-1 STORAGE OCCUPANCY (CHAPTER 42)
2 EXITS REQUIRED
- COMMON PATH OF EGRESS TRAVEL DISTANCE
BUSINESS OCCUPANCY (CHAPTER 39)
100 FT PER 39.2.5.2.1
S-1 STORAGE (CHAPTER 42)
100 FT PER 42.2.5
- EXIT ACCESS TRAVEL DISTANCE
BUSINESS OCCUPANCY (CHAPTER 39)
300 FEET PER 39.2.6.3
S-1 STORAGE OCCUPANCY (CHAPTER 39)
400 FEET PER 42.2.5
- CORRIDORS
OCCUPANCY TYPE (B, S-1) REQUIRES:
NO FIRE RATING REQUIRED FOR CORRIDOR WALLS

MINIMUM CORRIDOR WIDTH
BUSINESS OCCUPANCY (CHAPTER 39)
44 INCHES PER 39.2.3.2
S-1 STORAGE OCCUPANCY (CHAPTER 42)
36 INCHES PER 7.3.4.1

DEAD END CORRIDORS
BUSINESS OCCUPANCY (CHAPTER 39)
MAXIMUM OF 50 FEET PER 39.2.5.3
S-1 STORAGE OCCUPANCY (CHAPTER 42)
MAXIMUM OF 100 FEET PER 42.2.5



LS1.0 LIFE SAFETY PLAN
3/32" = 1'-0"

SSL_GROUND FLOOR PLAN CODE CALCULATIONS

Name	Area	Occupancy Calculations			Total Occupant Load	Egress Width Calculations	
		Male Occupancy	Female Occupancy	Occupancy Factor		Req. Width Of Egress Components	
B (CONCENTRATED)	834 SF	13.35	3.34	50 SF	16.68	3.34	
B (CONCENTRATED)	383 SF	6.13	1.53	50 SF	7.66	1.53	
B (CONCENTRATED)	1325 SF	21.20	5.30	50 SF	26.50	5.30	
B (GENERAL)	302 SF	2.42	0.60	100 SF	3.02	0.60	
B (MECHANICAL)	632 SF	1.01	0.25	500 SF	1.26	0.25	
S-1 (STORAGE)	8038 SF	12.86	3.22	500 SF	16.08	3.22	
TOTAL	11515 SF	57	15		72	14.24 CALCULATED 44" MINIMUM REQUIRED PER CODE	

SSL_PLUMBING FIXTURE CALCULATIONS

Name	Male Occupancy	Female Occupancy	Plumbing Fixture Calculations				
			Water Closets Required		Lavatories Required		Drinking Fountains Req.
			Men	Women	Male	Female	
B (CONCENTRATED)							
B (GENERAL)	2.42	0.6	0.10	0.02	0.06	0.02	0.03
B (MECHANICAL)	1.01	0.25	0.04	0.01	0.03	0.01	0.01
S-1 (STORAGE)	12.79	3.2	0.51	0.13	0.32	0.08	0.16
TOTAL	57	15	3	1	2	1	1

LIFE SAFETY LEGEND

- ELECTRIC WATER COOLER - SEE PLUMBING
- AUTOMATED EXTERNAL DEFIBRILLATOR
- FIRE EXTINGUISHER BRACKET

- HANDICAP ACCESSIBLE EXIT LOCATION
- EXIT TRAVEL PATH
- EMERGENCY EXIT SIGNAGE
- ROOM NAME
- ROOM TAG
- B - CONCENTRATED
- B - MECHANICAL
- B - GENERAL
- S-1: STORAGE



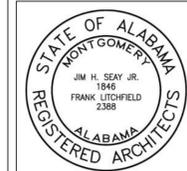
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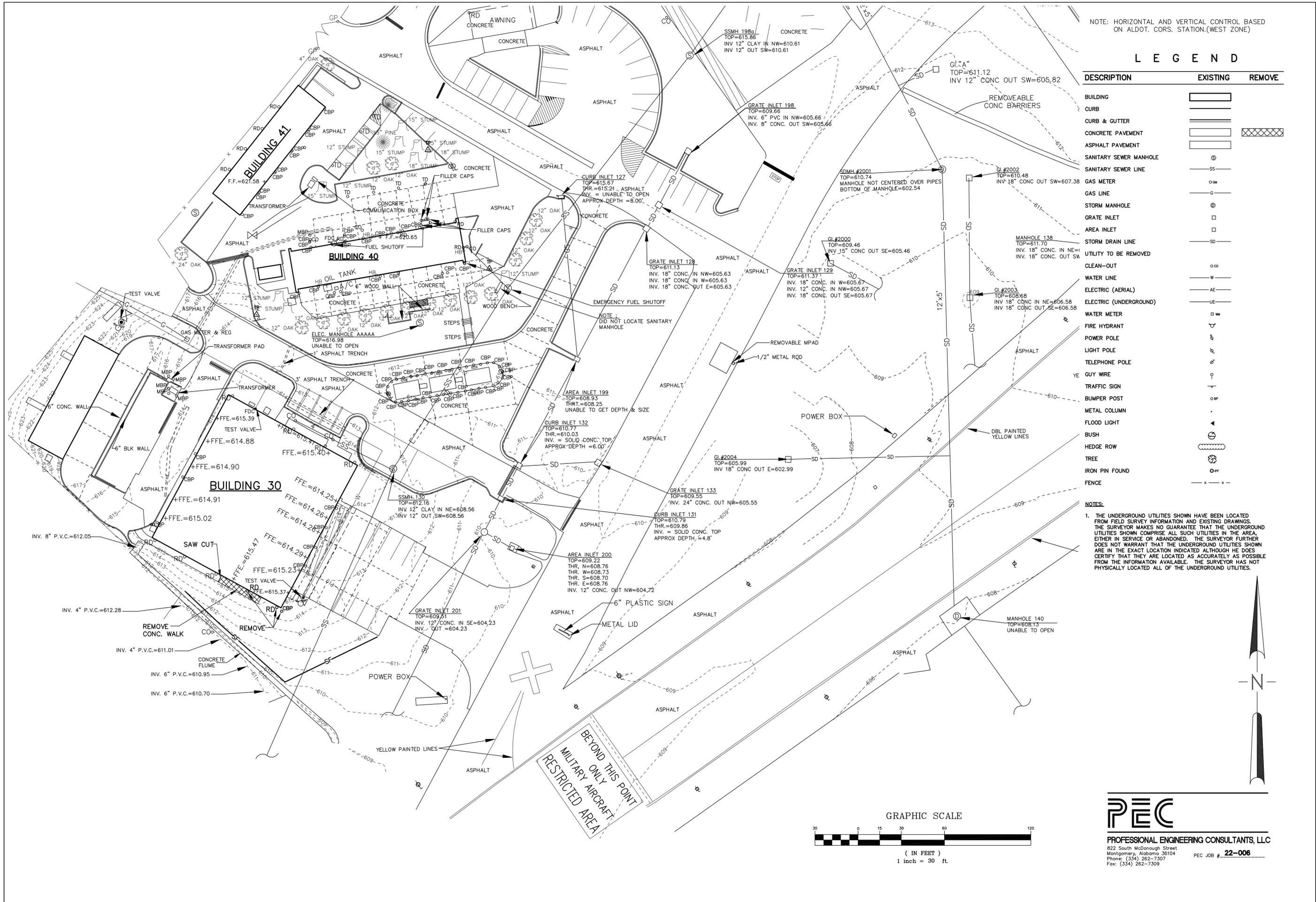
Job Number
21047 / BRKR 2029 | 1
Date
February 2023
Drawn By
NV, NJ
Checked By
DCD

Project Title
GLOBAL ASNT STORAGE FACILITY
Birmingham, AL

Sheet Title
LIFE SAFETY PLAN & CALCULATIONS

Sheet Number
LS1.0





NOTE: HORIZONTAL AND VERTICAL CONTROL BASED ON ALDOT. CORS. STATION(WEST ZONE)

LEGEND

DESCRIPTION	EXISTING	REMOVE
BUILDING	[Symbol]	[Symbol]
CURB	[Symbol]	[Symbol]
CURB & GUTTER	[Symbol]	[Symbol]
CONCRETE PAVEMENT	[Symbol]	[Symbol]
ASPHALT PAVEMENT	[Symbol]	[Symbol]
SANITARY SEWER MANHOLE	[Symbol]	[Symbol]
SANITARY SEWER LINE	[Symbol]	[Symbol]
GAS METER	[Symbol]	[Symbol]
GAS LINE	[Symbol]	[Symbol]
STORM MANHOLE	[Symbol]	[Symbol]
GRATE INLET	[Symbol]	[Symbol]
AREA INLET	[Symbol]	[Symbol]
STORM DRAIN LINE	[Symbol]	[Symbol]
UTILITY TO BE REMOVED	[Symbol]	[Symbol]
CLEAN-OUT	[Symbol]	[Symbol]
WATER LINE	[Symbol]	[Symbol]
ELECTRIC (AERIAL)	[Symbol]	[Symbol]
ELECTRIC (UNDERGROUND)	[Symbol]	[Symbol]
WATER METER	[Symbol]	[Symbol]
FIRE HYDRANT	[Symbol]	[Symbol]
POWER POLE	[Symbol]	[Symbol]
LIGHT POLE	[Symbol]	[Symbol]
TELEPHONE POLE	[Symbol]	[Symbol]
GUY WIRE	[Symbol]	[Symbol]
TRAFFIC SIGN	[Symbol]	[Symbol]
BUMPER POST	[Symbol]	[Symbol]
METAL COLUMN	[Symbol]	[Symbol]
FLOOD LIGHT	[Symbol]	[Symbol]
BUSH	[Symbol]	[Symbol]
HEDGE ROW	[Symbol]	[Symbol]
TREE	[Symbol]	[Symbol]
IRON PIN FOUND	[Symbol]	[Symbol]
FENCE	[Symbol]	[Symbol]

NOTES:
 1. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ALL OF THE UNDERGROUND UTILITIES.

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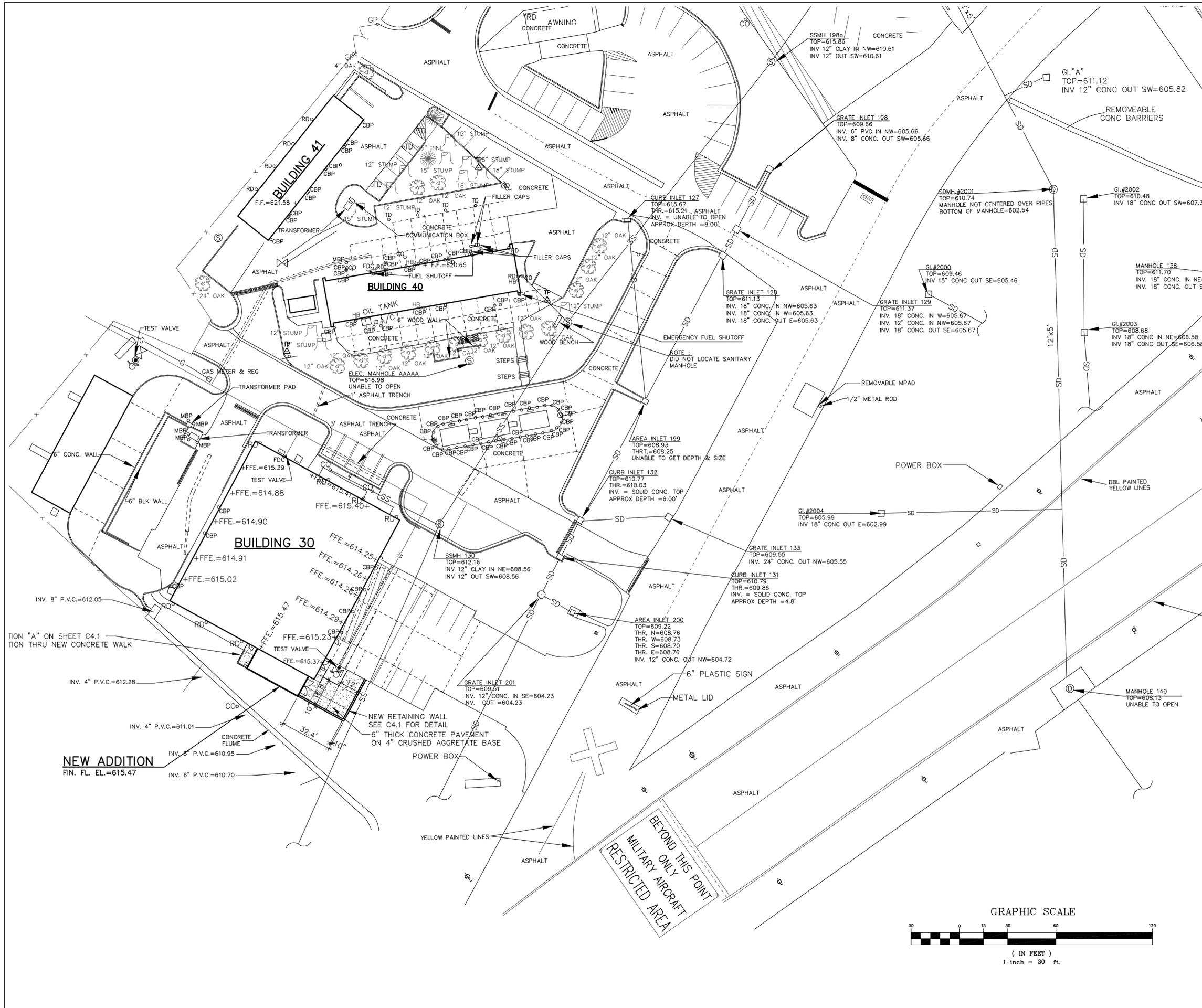
Job Number
 21047/BRKR 202911
 Date
 February 2023
 Drawn By
 SBG
 Checked By
 SBG

Project Title
 GASNT Storage
 117th Air Refueling Wing
 Birmingham, AL

Sheet Title
 SITE DEMOLITION
 PLAN
 Sheet Number
 C1.1

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ALABAMA
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 PROFESSIONAL
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 PATRICK A. MOSELEY
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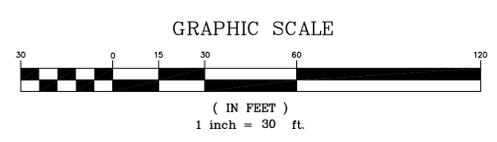
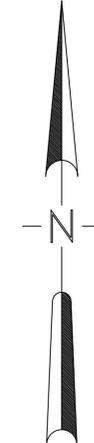


NOTE: HORIZONTAL AND VERTICAL CONTROL BASED ON ALDOT. CORS. STATION(WEST ZONE)

LEGEND

DESCRIPTION	EXISTING	NEW
BUILDING		
CURB		
CURB & GUTTER		
CONCRETE PAVEMENT		
ASPHALT PAVEMENT		
SANITARY SEWER MANHOLE		
SANITARY SEWER LINE		
GAS METER		
GAS LINE		
STORM MANHOLE		
GRATE INLET		
AREA INLET		
STORM DRAIN LINE		
UTILITY PLUG		
CLEAN-OUT		
WATER LINE		
ELECTRIC (AERIAL)		
ELECTRIC (UNDERGROUND)		
WATER METER		
FIRE HYDRANT		
POWER POLE		
LIGHT POLE		
TELEPHONE POLE		
GUY WIRE		
TRAFFIC SIGN		
BUMPER POST		
METAL COLUMN		
FLOOD LIGHT		
BUSH		
HEDGE ROW		
TREE		
IRON PIN FOUND		
FENCE		

NOTES:
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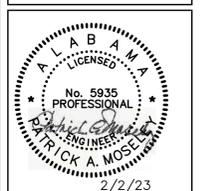
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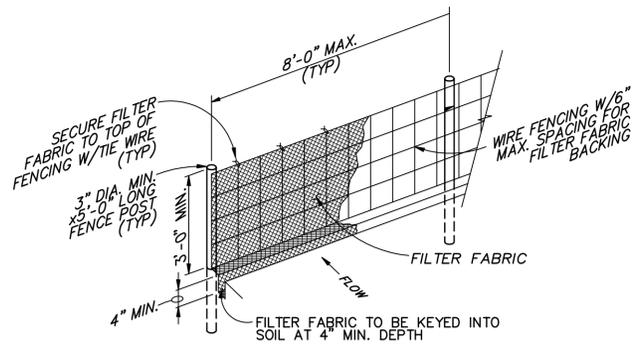
Sheet Title
 SITE LAYOUT &
 UTILITIES PLAN

Sheet Number
C2.1



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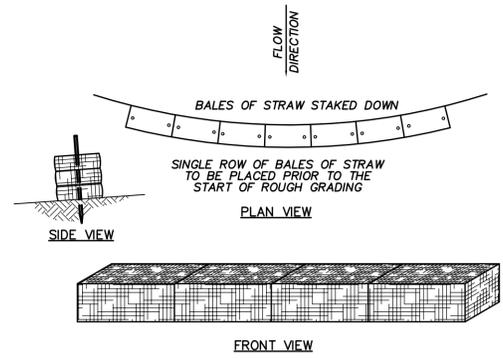
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SILT FENCE DETAIL

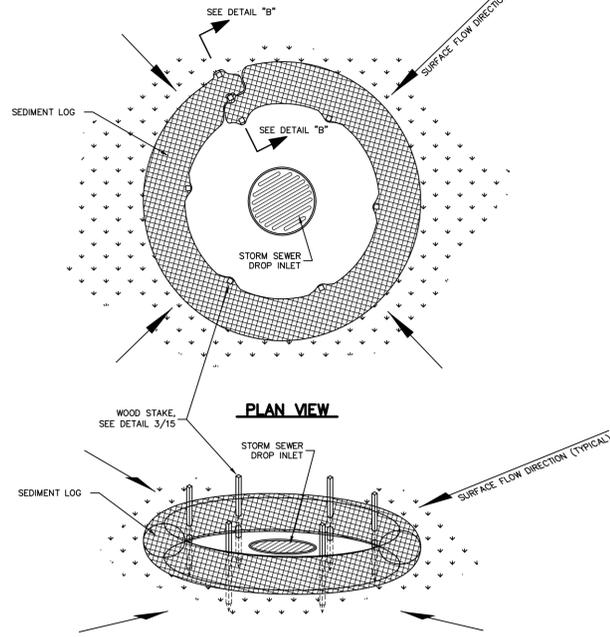
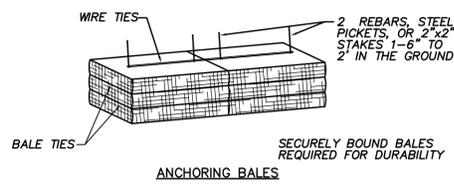
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NOTE: CONTRACTOR SHALL INSTALL AND MAINTAIN SILT FENCES WHERE SHOWN ON THE DRAWINGS PRIOR TO ALLOWING ANY CONSTRUCTION ACTIVITIES TO COMMENCE



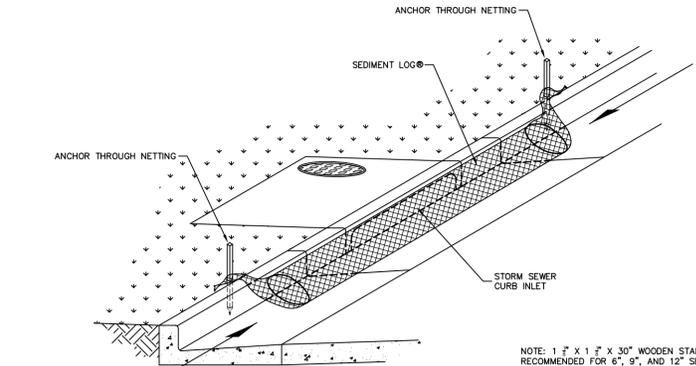
TEMPORARY STRAW BALE SEDIMENT BARRIER

NTS



SEDIMENT LOGS CURB INLET PROTECTION

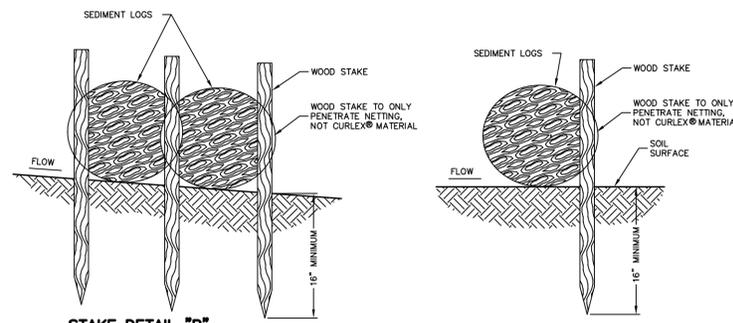
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SEDIMENT LOGS CURB INLET PROTECTION

NTS

NOTE: 1 1/2" x 1 1/2" x 30" WOODEN STAKES ARE RECOMMENDED FOR 6", 9", AND 12" SEDIMENT LOGS.
1 1/2" x 1 1/2" x 48" WOODEN STAKES ARE RECOMMENDED FOR 20" SEDIMENT LOGS.

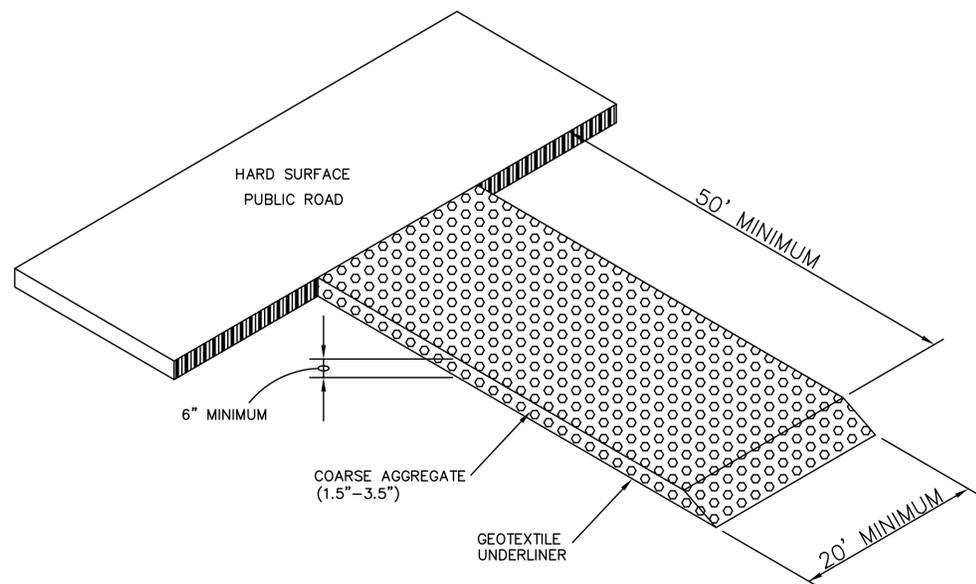


STAKE DETAIL "B"

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STAKE DETAIL "A"

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NOTE: UNLESS SHOWN OTHERWISE ON PLANS, CONTRACTOR HAS OPTION ON EXACT LOCATION OF CONSTRUCTION EXIT.

STABILIZED CRUSHED STONE CONSTRUCTION EXIT

NOT TO SCALE

GENERAL NOTES FOR SOIL EROSION AND SEDIMENT CONTROL

1. AN ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM) STORMWATER PERMIT (NOI) FOR THIS PROJECT WILL NOT BE REQUIRED DUE TO THE DISTURBED AREA BEING LESS THAN ONE (1) ACRE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF EROSION CONTROL MEASURES AND THE MAINTENANCE OF SAME DURING ALL PHASES OF CONSTRUCTION.
2. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION DUE TO CONDITIONS NOT SHOWN ON PLANS.
3. FAILURE TO PROPERLY INSTALL AND MAINTAIN EROSION CONTROL PRACTICES MAY RESULT IN CONSTRUCTION BEING HALTED.
4. EROSION CONTROL MEASURES WILL BE INSPECTED AT LEAST WEEKLY AND FOLLOWING RAINFALL AND REPAIRED BY CONTRACTOR.
5. ALL SILT FENCING SHALL COMPLY WITH ALABAMA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
6. STORM DRAIN SYSTEMS SHALL BE MAINTAINED CLEAN AND FREE OF SILT AND DEBRIS.
7. A RESPONSE TO A NOTIFICATION OF NON COMPLIANCE OR INADEQUATE MEASURES SHALL BE MADE WITHIN 24 HOURS AFTER RECEIVING SUCH NOTIFICATION, UNLESS OTHERWISE SPECIFIED FOR CONDITIONS DEEMED CRITICAL.
8. IMPLEMENTATION AND MAINTENANCE:
 - A) IMPLEMENTATION:
 1. NO CLEARING, GRADING, FILLING, OR OTHER LAND DISTURBING ACTIVITIES SHALL BE PERMITTED UNTIL APPROVED EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED, EXCEPT THOSE OPERATIONS NEEDED TO INSTALL SUCH MEASURES.
 2. THESE EROSION AND SEDIMENT CONTROL MEASURES SHALL APPLY TO ALL FEATURES OF THE CONSTRUCTION SITE, INCLUDING BUT NOT LIMITED TO STREET AND UTILITY INSTALLATIONS AS WELL.
 - B) MAINTENANCE: ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONTINUOUSLY MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION PHASE OF THE DEVELOPMENT.
9. ALL EROSION CONTROL MEASURES SHALL BE REMOVED AT THE COMPLETION OF THIS CONTRACT.

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General Demolition Notes:

THE INTENT OF DEMOLITION IS TO ACCOMPLISH ALL WORK NECESSARY TO PROVIDE A FINISHED, COMPLETE BUILDING AS INDICATED IN THE PLANS AND SPECIFICATIONS. THE FOLLOWING GENERAL NOTES ARE APPLICABLE TO ALL DEMOLITION ACTIVITIES REQUIRED BY THE SCOPE OF THE CONTRACT DOCUMENTS.

CONTRACTOR'S RESPONSIBILITY TO VERIFY ACCURACY OF EXISTING CONDITIONS:

1. DOCUMENTATION CONTAINED IN THESE CONSTRUCTION DOCUMENTS OF EXISTING CONDITIONS MAY NOT BE ENTIRELY ACCURATE. CONTRACTOR IS TO TAKE THE INITIATIVE TO VISIT THE SITE PRIOR TO AND DURING THE PRE-BID MEETING TO VERIFY ACTUAL CONDITIONS, THEREFORE RENDERING THE CONTRACTOR RESPONSIBLE FOR AN ACCURATE REPRESENTATION OF THE EXISTING CONDITIONS.
2. CONTRACTOR TO VISIT SITE TO VERIFY EXISTING CONDITIONS AND SHALL BE RESPONSIBLE FOR DETERMINING THE SCOPE OF WORK PRIOR TO DEMOLITION. EXISTING CONDITIONS SHALL BE THOROUGHLY RESEARCHED PRIOR TO CONSTRUCTION AND ANY DRAWINGS SHALL BE IMMEDIATELY DISCUSSED WITH ARCHITECT PRIOR TO BEGINNING CONSTRUCTION IN THE AFFECTED AREA. CHANGE ORDERS WILL NOT BE APPROVED PRIOR TO WORK TAKING PLACE FOR EXISTING CONDITIONS READILY APPARENT BY A THOROUGH OBSERVATION.
3. CONTRACTOR TO VERIFY ALL EXISTING FLOOR ELEVATIONS AND VERIFY WITH PLANS. REPORT ANY DISCREPANCIES TO THE GOVERNMENT PRIOR TO CONSTRUCTION.
4. DIMENSIONS OF EXISTING STRUCTURES ARE ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS. LOCATION OF WALLS SHALL BE AS SHOWN ON PLANS RELATIVE TO EXISTING CONDITIONS.
5. THE GOVERNMENT ASSUMES NO RESPONSIBILITY FOR EXISTING UNKNOWN CONDITIONS. EACH CONTRACTOR SHALL COORDINATE NEW CONSTRUCTION WITH EXISTING CONSTRUCTION AND INVESTIGATE IN A REASONABLE MANNER REGARDING HIDDEN CONDITIONS.

SAFEGUARDS DURING DEMOLITION:

1. CONTRACTOR TO MAKE SURE ALL INFRASTRUCTURE (POWER, GAS, WATER, CABLING, ETC...) IS TURNED OFF AND/OR REMOVED PRIOR TO DEMOLITION.
2. CONTRACTOR TO VERIFY ALL LOAD BEARING CONDITIONS AND PROVIDE SHORING AS REQUIRED IN ALL AFFECTED AREAS PRIOR TO & DURING DEMOLITION AND/OR CONSTRUCTION.
3. ALL CURRENT OSHA AND APPLICABLE STANDARDS SHALL BE UPHELD TO ASSURE SAFETY OF ALL PERSONS ON SITE DURING ENTIRE COURSE OF CONSTRUCTION.
4. PROTECT ALL EXISTING BUILT IN EQUIPMENT AS REQUIRED DURING DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING EQUIPMENT RESULTING FROM CONSTRUCTION ACTIVITIES AT NO COST TO THE GOVERNMENT. VERIFY CONDITIONS OF EXISTING EQUIPMENT WITH THE GOVERNMENT PRIOR TO BEGINNING ON SITE DEMOLITION AND CONSTRUCTION ACTIVITIES.

CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL ENCUMBRANCES REQUIRED FOR PROPER INSTALLATION OF NEW SYSTEMS:

1. REMOVAL OF ALL ENCUMBRANCES INCLUDING BUT NOT LIMITED TO CONCRETE, WOOD, DUCTS, PIPING, WIRING, SHALL BE DONE BY THE CONTRACTOR TO ACHIEVE FLOOR PLANS AS SHOWN EVEN IF NOT SHOWN ON DEMOLITION PLANS.
2. REMOVE ALL CEILINGS AND ITEMS ABOVE CEILINGS THAT ARE NOT REQUIRED IN THE RENOVATED BUILDING AND AS REQUIRED TO INSTALL NEW HVAC, PLUMBING, LIGHTING, ELECTRICAL, ETC. FOR FULLY FUNCTIONING SYSTEMS.
3. REMOVE ANY UNUSED PENETRATIONS AND INSTALL NEW DECKING/ROOFING OVER ANY OPENINGS UNLESS NOTED OTHERWISE, CONTRACTOR SHALL REMOVE GYPSUM WALLBOARD AND ANY FURRING STRIPS AND/OR FASTENERS FROM EXTERIOR WALLS TO PREPARE FOR NEW FINISH.
4. REMOVE ALL ABANDONED FIXTURES, PIPING, CONDUIT WIRING, INSULATION, EQUIPMENT, STRUCTURAL SUPPORTS, ARCHITECTURAL SYSTEMS., ETC... NO LONGER IN USE OR UNNECESSARY FOR THE RENOVATED PROJECT. PROVIDE PATCHING WITH MATERIALS CONSISTENT WITH ADJACENT MATERIALS AND FINISHES REQUIRED, UNLESS OTHERWISE NOTED, TO MEET ALL APPLICABLE CODES.
6. REMOVE ALL EXISTING FINISHES AS REQUIRED IN PREPARATION FOR INSTALLATION OF NEW FINISHES. SEE FINISH SCHEDULE AND PROJECT SPECIFICATIONS.
7. REMOVE ALL MISCELLANEOUS HARDWARE, PANELING, CLIPS, FASTENERS, WIRE, CONDUIT, PIPES, ETC... FROM ANY AND ALL SURFACES TO RECEIVE A NEW FINISH. PATCH SUBSTRATES BY FILLING, GRINDING AND SANDING SMOOTH WITH ACCEPTABLE CONSTRUCTION INDUSTRY AND CODE COMPLIANT MATERIALS. PREPARE SURFACE FOR ACCEPTANCE OF MANUFACTURER SPECIFIED FINISH AND SURFACE TREATMENT. INSTALLATION OF FINISH INDICATES ACCEPTANCE OF SUBSTRATE BY APPLICATOR. WHERE NO NEW FINISHES OCCUR, PATCH EXISTING MATERIALS WITH MATCHING MATERIALS SO THAT PATCH WORK IS NOT VISIBLE.
8. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE REMOVAL OF DEMOLISHED MATERIALS: FOR THE PATCHING OF EXISTING SURFACES, INCLUDING OPENINGS IN FLOORS, WALLS, ETC. TO MATCH UNDISTURBED EXISTING SURFACES, AND FOR LEAVING THE AREA IN A CLEAN CONDITION. REFER TO CONTRACT DOCUMENTS FOR SPECIFIC FLOOR RELATED DETAILS.

CONTRACTOR'S RESPONSIBILITY TO RETURN THE SITE/STRUCTURE TO PRE-WORK CONDITIONS

1. CONTRACTOR TO TAKE EXTREME CARE AT EXISTING EXTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO BRICK, METALWORK, WINDOWS, AND DOORS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY EXTERIOR FINISHES THAT WERE COMPROMISED DURING THE COURSE OF CONSTRUCTION.
2. CONTRACTOR TO PROTECT ALL FINISHES TO REMAIN ON INTERIOR OF EXISTING SPACES INCLUDING WALLS, CEILINGS, FLOORS, DOORS, FIXTURES, ETC.
3. CONTRACTOR SHALL LEAVE WORK SITE GENERALLY CLEAN AT THE END OF EACH WORK DAY (ESPECIALLY AROUND THE EXTERIOR OF THE BUILDING AND WITHIN THE STAGING AREA).

CONTRACTOR'S RESPONSIBILITY REGARDING REMOVAL AND DISPOSAL OF DEMOLISHED MATERIALS:

1. EACH TRADE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL LAWS, REGULATIONS, AND/OR ORDINANCES REGARDING THE METHOD OF DEMOLITION AND DISPOSAL OF WASTE MATERIALS. THE GOVERNMENT ASSUMES NO LIABILITY FOR EXTRA WORK OR ADDITIONAL COMPENSATION DUE TO FAILURE OF THE TRADE CONTRACTOR OR SUBCONTRACTORS TO COMPLY WITH ANY AND ALL SUCH REGULATIONS THAT APPLY.

General Demolition Notes (Continued):

CONTRACTOR'S RESPONSIBILITY REGARDING HAZARDOUS MATERIALS:

1. CONTRACTOR SHALL COMPLY WITH ALL SPECIFIED REQUIREMENTS AND GOVERNING CODES/LAWS/REGULATIONS REGARDING REMOVAL AND DISPOSAL OF HAZARDOUS MATERIALS.
2. AN ENVIRONMENTAL ASSESSMENT HAS NOT BEEN COMPLETED.
3. IF HAZARDOUS MATERIALS NOT NOTED IN THE CONTRACT DOCUMENTS ARE ENCOUNTERED, NOTIFY THE CONTRACTING OFFICER REPRESENTATIVE PRIOR TO PROCEEDING.

ADDITIONAL MISCELLANEOUS PROVISIONS

1. GENERAL DEMOLITION NOTES APPLY TO THE ENTIRE PROJECT. SPECIFIC NOTES (DESIGNATED) APPLY TO ISOLATED WORK AREAS AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, ALL ISOLATED WORK AREAS ARE NOT NOTED. SHOULD A CONDITION OCCUR THAT IS NOT SPECIFICALLY NOTED, THE CONTRACTOR SHALL PROCEED WITH WORK PER GENERAL DEMOLITION NOTES OR A SPECIFIC WORK NOTE(S) USED IN OTHER SIMILAR CONDITIONS, WHICHEVER IS MORE STRINGENT, PER APPROVAL OF ARCHITECT VIA OWNER.
2. REFER ALSO TO SELECTED DEMOLITION, SUMMARY OF WORK, GOVERNMENT SOLICITATION DOCUMENTS, AND OTHER SPECIFICATION SECTIONS REQUIRED.
3. REFER TO CIVIL, FIRE SUPPRESSION, PLUMBING, MECHANICAL, ELECTRICAL, AND STRUCTURAL FOR ADDITIONAL DEMOLITION AND REPAIR REQUIREMENTS. PATCH ALL LOCATIONS REQUIRED BY FIRE SUPPRESSION, PLUMBING, MECHANICAL, AND ELECTRICAL DEMOLITION. MATCH ADJACENT CONDITIONS, UNLESS OTHERWISE NOTED. ALL REQUIRED TRENCHING AND REPLACEMENT OF EXISTING SLABS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. DURING ROOFING DEMOLITION PROVIDE TEMPORARY ROOFING AS REQUIRED TO PROTECT BUILDING FROM DAMAGE.
5. CONTRACTOR TO ASSUME ALL CONCRETE INDICATED TO BE REMOVED IS REINFORCED.
6. IN LOCATION WHERE THE PLANS CALL FOR THE DEMOLITION OF THE EXISTING EXTERIOR BRICK VENEER, THE CONTRACTOR SHALL DISMANTLE THE BRICK VENEER AND REMOVE ALL MORTAR FOR USE IN OTHER LOCATIONS FOR PATCHING. CONTRACTOR SHALL COORDINATE, WITH ARCHITECT, LOCATIONS WHERE RECYCLED BRICK ARE TO BE USED FOR PATCHING.
7. AT LOCATIONS IN EXISTING FIRE WALLS WHERE SERVICES ARE REMOVED OR OPENINGS ARE CREATED, PATCH WALLS TO MAINTAIN REQUIRED FIRE RATING.
8. REMOVE AND REPLACE ALL EXISTING VERTICAL AND HORIZONTAL EXTERIOR BRICK VENEER CONTROL JOINTS. SUBMIT ACTUAL SEALANT JOINT COLOR SAMPLES TO THE GOVERNMENT FOR APPROVAL.

LEGEND:

----- EXISTING TO BE DEMOLISHED

————— EXISTING TO REMAIN



SPECIFIC NOTE TAG (SEE DEMOLITION NOTES SHEET)

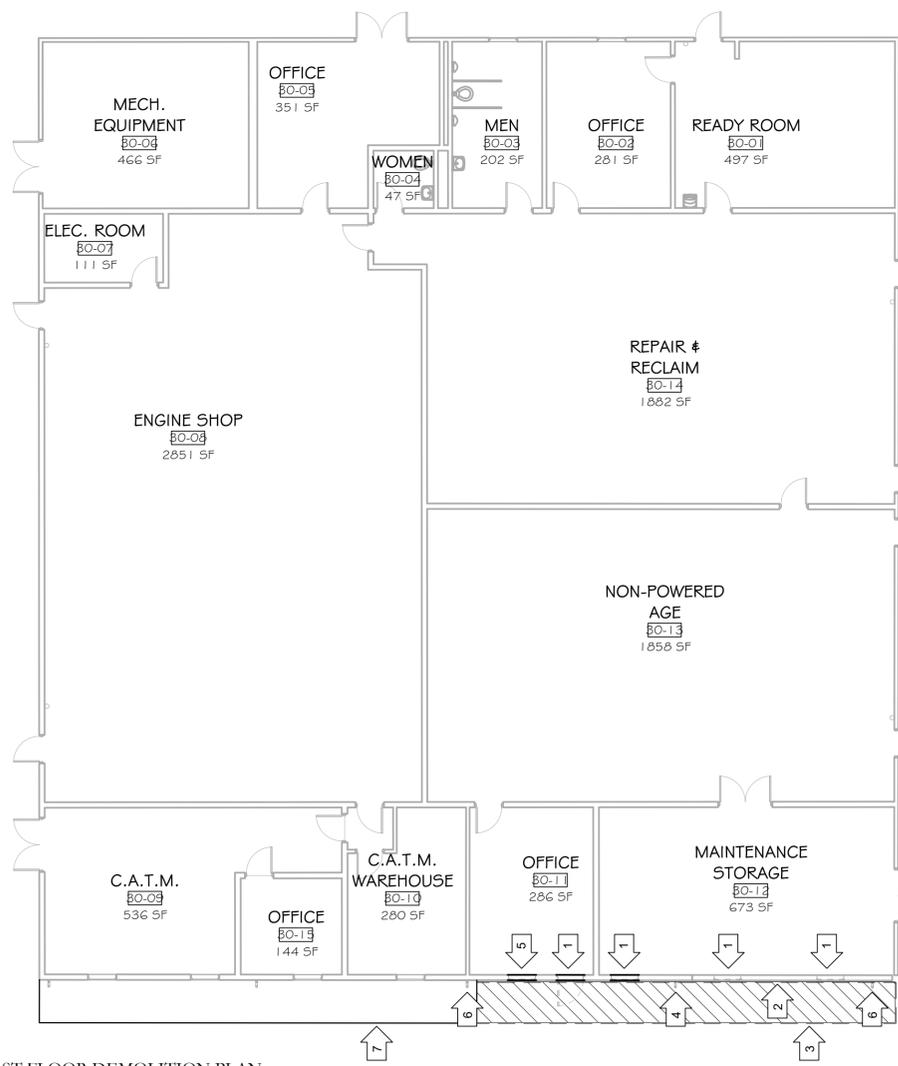


REMOVE SLAB IN LOCATION MARKED IN PREPARATION FOR NEW WORK

DOTTED LINE GENERALLY INDICATES EXISTING AREAS TO BE REMOVED, INCLUDING BUT NOT LIMITED TO WALLS, DOORS, FLOOR COVERING, CEILINGS, ETC... IN CASE OF UNCERTAINTY PROVIDE WRITTEN REQUEST TO ARCHITECT.

Specific Demolition Notes:

- 1 REMOVE EXISTING WINDOWS AND PREPARE OPENINGS FOR INFILL.
- 2 REMOVE EXISTING EXTERIOR METAL PANELS AND BRICK WORK NECESSARY TO CONSTRUCT THE NEW ADDITION.
- 3 REMOVE EXISTING SIDEWALK PAVEMENT NECESSARY TO CONSTRUCT THE NEW ADDITION.
- 4 REMOVE EXISTING DOWNSPOUT AND SEGMENTS OF GUTTER REQUIRED TO TIE INTO THE NEW ADDITION GUTTERS.
- 5 REMOVE EXISTING WINDOW ASSEMBLY AND WALL BELOW WINDOW AS REQUIRED TO INSTALL NEW DOOR ASSEMBLY. REFER TO FLOOR PLAN.
- 6 EXISTING DOWNSPOUT TO REMAIN.
- 7 EXISTING SIDEWALK TO REMAIN



1 FIRST FLOOR DEMOLITION PLAN
A1.0 3/32" = 1'-0"

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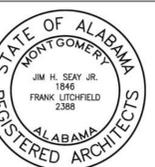
Job Number	21047 / BRKR 2029 I I
Date	February 2023
Drawn By	NV, NJ
Checked By	DCD

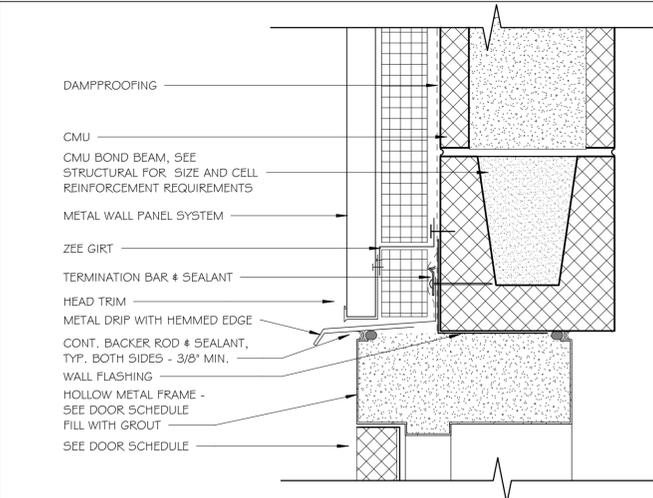
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GLOBAL ASNT STORAGE FACILITY
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Sheet Title
DEMOLITION NOTES & PLAN

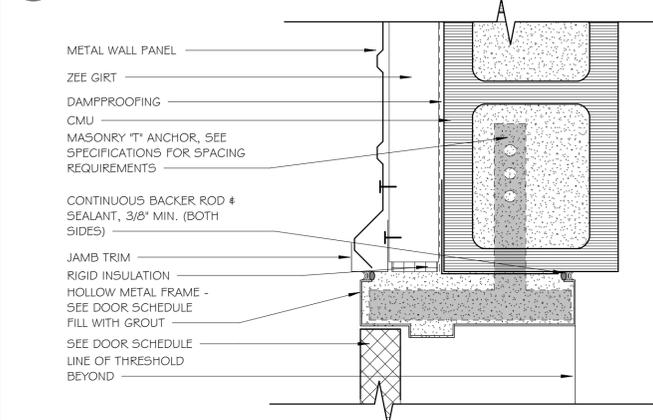
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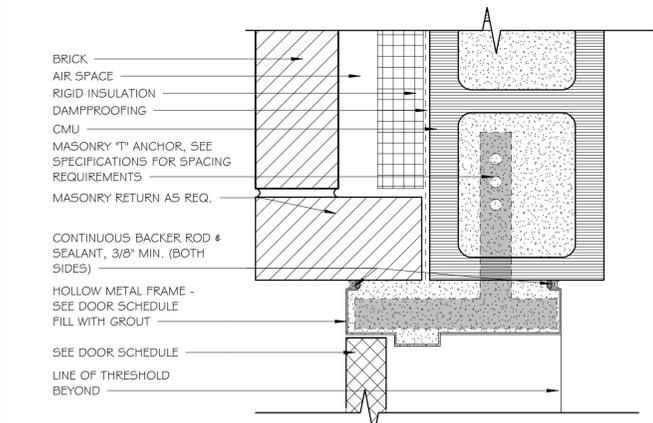




1
 A3.2 HM FRAME HEAD DETAIL
 3" = 1'-0"

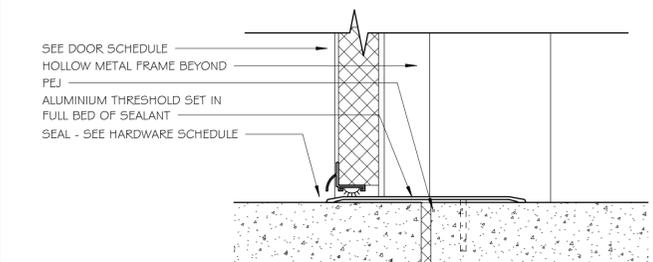


JAMB DETAIL (METAL)

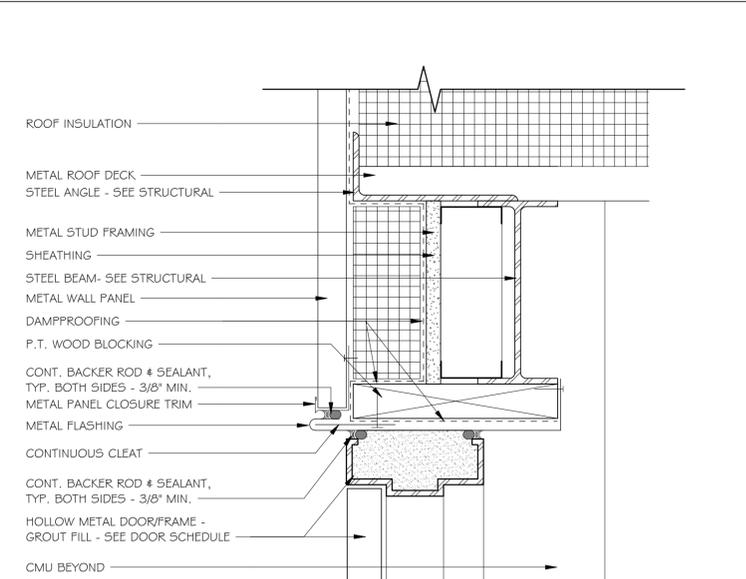


JAMB DETAIL (BRICK)

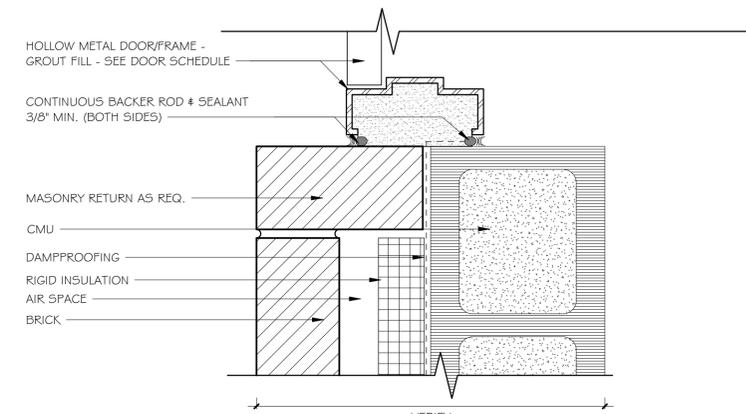
2
 A3.2 HM FRAME JAMB DETAIL
 3" = 1'-0"



3
 A3.2 HM FRAME SILL DETAIL
 3" = 1'-0"



HEAD DETAIL



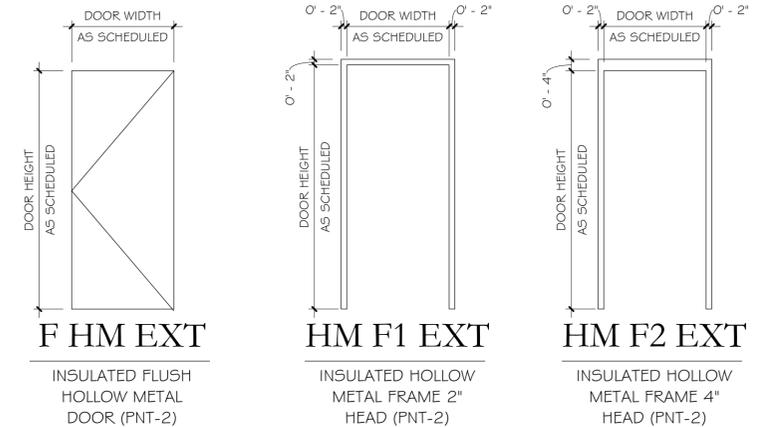
JAMB DETAIL

4
 A3.2 OVERHEAD COILING DOOR - MASONRY ON CMU
 3" = 1'-0"

FINISH LEGEND:

SC - SEALED CONCRETE - REFER TO SPECIFICATION SECTION 09 91 23

PNT- # - INTERIOR PAINT - REFER TO SPECIFICATION SECTION 09 91 23. # - INDICATES INDEPENDENT COLOR AS SELECTED BY CONTRACTING OFFICER REPRESENTATIVE



GENERAL NOTES:

1.) ALL WALL PAINT TO EXTEND TO DECK WHEN CEILING IS EXPOSED. PAINT EVERYTHING EXPOSED TO VIEW INCLUDING BUT NOT LIMITED TO FIRE PROTECTION, STRUCTURAL, MECHANICAL, ELECTRICAL.

FINISH SCHEDULE

NO.	ROOM NAME	FLOOR		WALL FINISH				DOORS			NOTES
		FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	FINISH	CASING & TRIM	
LIFE SAFETY PLAN											
30-16	STORAGE	SC		PNT-1	PNT-1	PNT-1	PNT-1	EXPOSED/PNT-3	PNT-2	PNT-2	

DOOR, OPENING & FRAME SCHEDULE

DOOR NO.	LEAVES	DOOR			TYPE	FRAME TYPE	DETAILS			FIRE RATING	GLAZING TYPE	NOTES
		TOTAL WIDTH	HEIGHT	THICKNESS			HEAD DETAIL	JAMB DETAIL	SILL DETAIL			
LIFE SAFETY PLAN												
101	1	3' - 0"	7' - 0"	0' - 1 3/4"	F HM EXT	HM F2 EXT	1/A3.2	2/A3.2	3/A3.2			
102	2	9' - 8"	8' - 11 1/2"	0' - 1 3/4"	F HM EXT	HM F1 EXT	4/A3.2	4/A3.2	3/A3.2			
103	1	3' - 0"	7' - 0"	0' - 1 3/4"	F HM EXT	HM F2 EXT						INSTALL NEW DOOR IN EXISTING WINDOW OPENING

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 21047 / BRKR 2029 | 1
 Date
 February 2023
 Drawn By
 NV, NJ
 Checked By
 DCD

Project Title

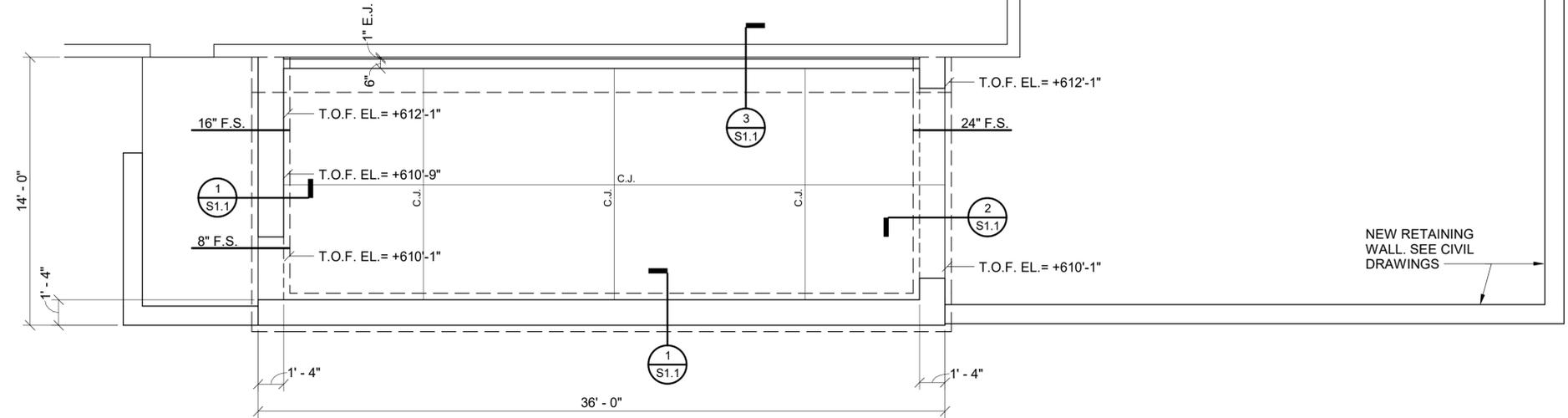
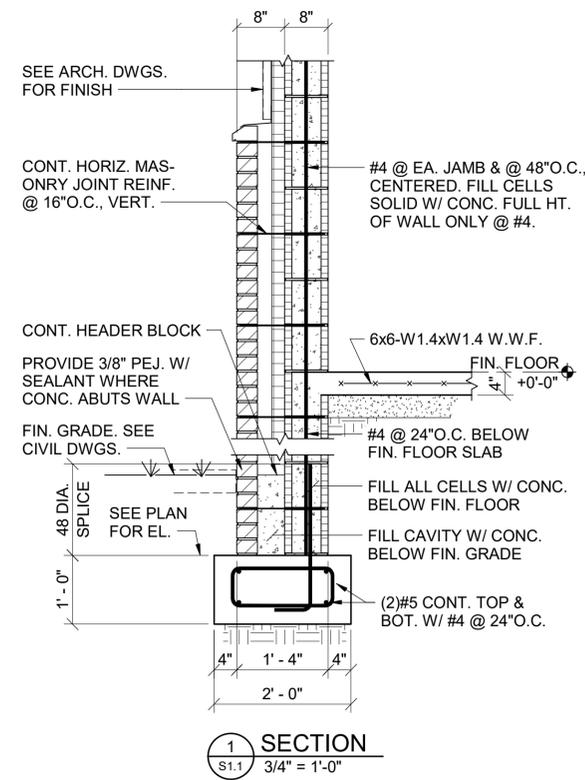
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Sheet Title
 DOOR & FINISH
 SCHEDULES

Sheet Number

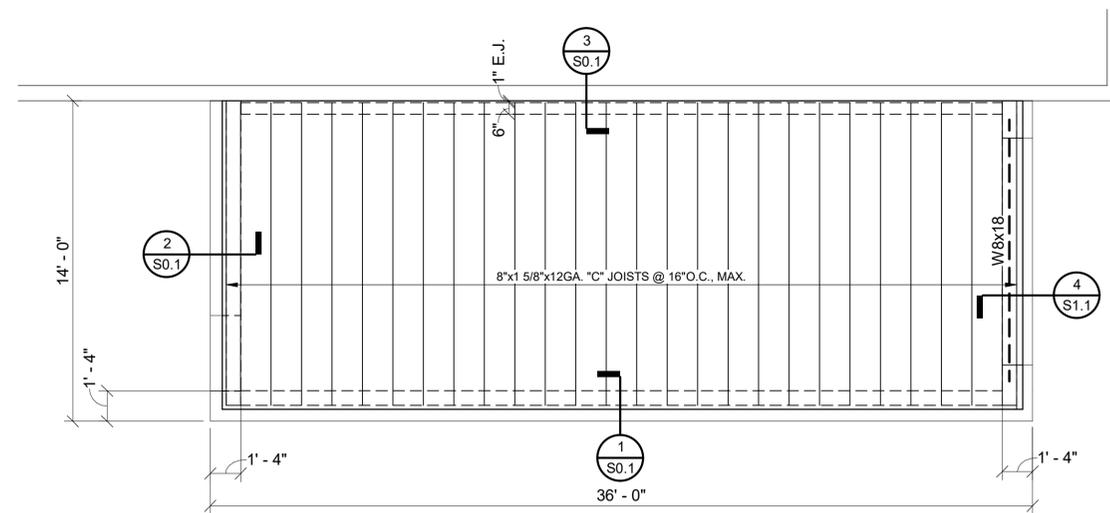
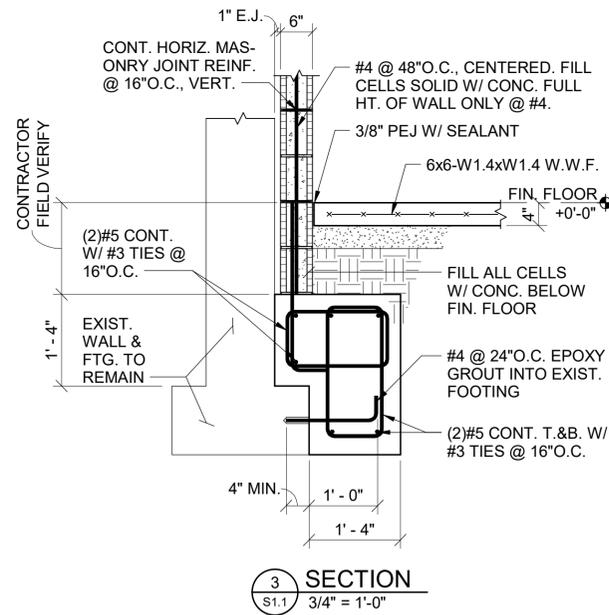
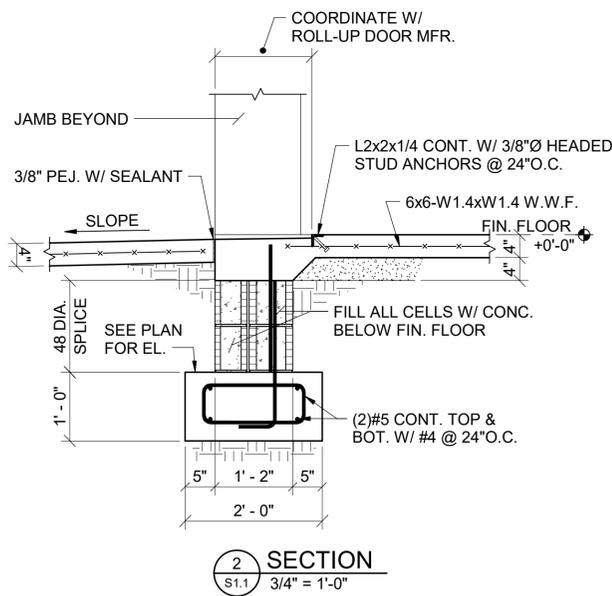
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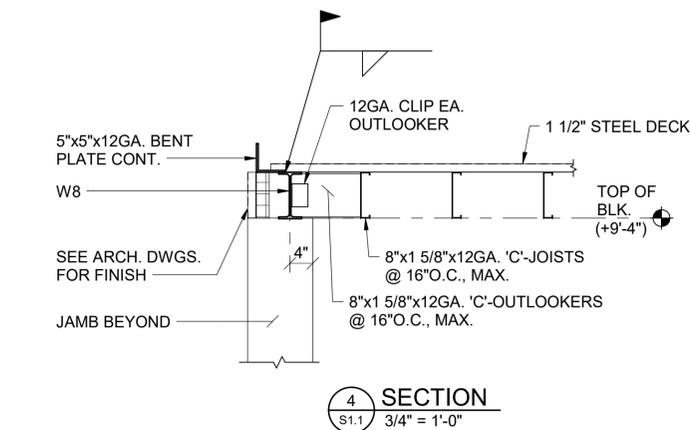
FOUNDATION PLAN
1/4" = 1'-0"

FLOOR CONSTRUCTION
4" THICK CONCRETE SLAB W/ 6x6-W1.4x W1.4 W.W.F. OVER VAPOR BARRIER OVER 4" POROUS FILL. FINISH FLOOR EL. +615'-5" (+0'-0")



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

ROOF CONSTRUCTION
1 1/2" DEEP, 22 GAGE, WIDE RIB STEEL DECK W/ THE FOLLOWING MINIMUM SECTION PROPERTIES PER FOOT OF WIDTH: S=0.19 IN.³ I+=0.16 IN.⁴ I-=0.18 IN.⁴



Rev.	Description	Date

Job Number
21047 / BRKR 202911
Date
February 2023
Drawn By
R. Casey
Checked By
JWD

Project Title

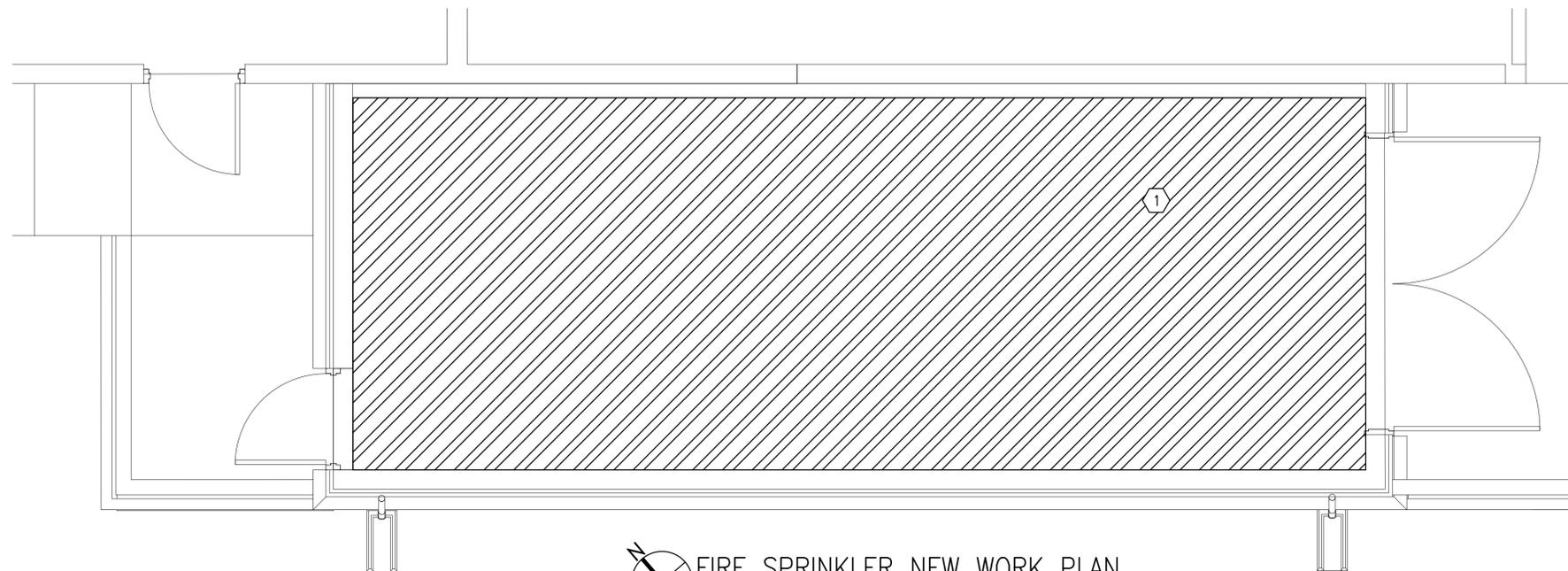
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Sheet Title
FRAMING PLANS - SECTIONS & DETAILS

Sheet Number

S1.1





FIRE SPRINKLER NEW WORK PLAN
SCALE: 3/8" = 1'-0"

HYDRAULIC DESIGN CRITERIA LEGEND

THE SPRINKLER CONTRACTOR SHALL HYDRAULICALLY DESIGN THE SYSTEM TO DISCHARGE THE MINIMUM DENSITY AS INDICATED BELOW. THE MINIMUM PIPE SIZE FOR BRANCH LINES IN GRIDDED SYSTEMS MUST BE 1 1/4-INCH. HYDRAULIC CALCULATIONS MUST BE IN ACCORDANCE WITH THE AREA/DENSITY METHOD OF NFPA 13.

- UFC-3-600-01 - ORDINARY HAZARD**
 REMOTE AREA: 2500 SQ.FT.
 MAXIMUM AREA PER SPRINKLER: 130 SQ.FT.
 MINIMUM WATER FLOW DENSITY: 0.2 GPM/SQ.FT.
 SPRINKLER K-FACTOR: 8.0
 HOSE STREAM ALLOWANCE
 INSIDE HOSE: 0 GPM
 OUTSIDE HOSE: 250 GPM

FIRE SPRINKLER SCOPE OF WORK

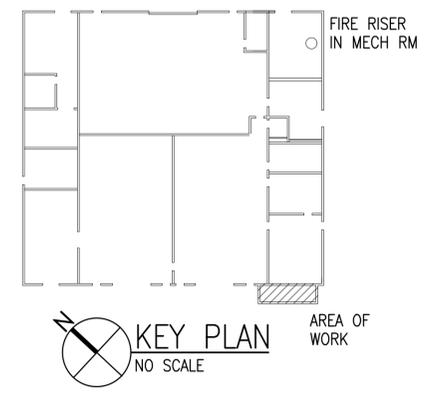
- A. THE CONTRACTOR SHALL MODIFY AND EXTEND THE EXISTING WET PIPE SPRINKLER SYSTEM IN THE BUILDING AS REQUIRED TO PROVIDE COVERAGE FOR THE NEW STORAGE ROOM. ALL FIRE SPRINKLER WORK SHALL BE IN ACCORDANCE WITH UFC 3-600-01, NFPA 13, THE SPECIFICATIONS, ANGETL 15-01-03 FIRE PROTECTION DESIGN GUIDANCE, AND THE AHJ.
- B. THE CONTRACTOR SHALL RETAIN A REGISTERED FIRE PROTECTION ENGINEER (AS DEFINED BY UFC 3-600-01) TO BE THE QUALIFIED FIRE PROTECTION ENGINEER (QFPE) FOR THE CONSTRUCTION PROJECT. THE QFPE MUST REVIEW AND SIGN AND SEAL DRAWINGS, CUTSHEETS, AND CALCULATIONS PRIOR TO SUBMITTING TO THE GOVERNMENT FOR REVIEW. THE QFPE SHALL PROVIDE ALL INSPECTIONS AND INTERFACE WITH THE AHJ AS REQUIRED FOR A COMPLETE INSTALLATION.
- C. CONTRACTOR SHALL BE REQUIRED TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY THE GOVERNMENT PRIOR TO MODIFICATION OF FIRE SPRINKLER SYSTEM. THE FIRE SPRINKLER SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A QUALIFIED FIRE PROTECTION ENGINEER (QFPE).
- D. BEFORE BEGINNING WORK, THE CONTRACTOR SHALL REVIEW THE EXISTING CONDITIONS OF THE SPRINKLER SYSTEM AND NOTE ANY EXISTING SYSTEM DEFICIENCIES. THE CONTRACTOR SHALL PROVIDE A REPORT TO CONTRACTING OFFICER REPRESENTATIVE NOTING ANY EXISTING SYSTEM DEFICIENCIES. ANY EXISTING DEFICIENCIES SHALL BE THE RESPONSIBILITY OF THE GOVERNMENT TO REPAIR.
- E. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND SIZES OF EXISTING FEED MAINS AND BRANCHLINES TO BE USED IN HYDRAULIC CALCULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING NEW TIE IN LOCATION FOR THE STORAGE ROOM SPRINKLERS. IF NO CONNECTION POINT IS AVAILABLE FOR TIE IN TO THE EXISTING FEED MAIN NEAR THE AREA OF WORK, THE CONTRACTOR SHALL PROVIDE A NEW FEED FROM THE RISER AND ROUTE IT TO THE STORAGE ROOM AREA TO SUPPLY THE NEW SPRINKLERS.
- F. THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE GOVERNMENT TO FOLLOW THE REQUIREMENTS FOR SYSTEM IMPAIRMENTS AS REQUIRED BY UFC 3-600-01, UFC 3-601-02 AND NFPA 25. CONTRACTOR SHALL PERFORM WORK AS REQUIRED TO MINIMIZE THE TIME THE SPRINKLER SYSTEM IS IMPAIRED.
- G. AFTER THE NEW WORK IS COMPLETED, THE FIRE SPRINKLER CONTRACTOR SHALL ISOLATE THE NEW PORTION OF THE SYSTEM AND SHALL HYDROSTATICALLY TEST AT 200PSI.

SHEET NOTES

- 1 CONTRACTOR SHALL MODIFY AND EXTEND EXISTING AUTOMATIC WET PIPE SPRINKLER SYSTEM TO PROVIDE COVERAGE IN AREA INDICATED. ALL FIRE PROTECTION WORK SHALL BE IN ACCORDANCE WITH NFPA 13, UFC 3-600-1, THE SPECIFICATIONS, AND THE AUTHORITY HAVING JURISDICTION.

GENERAL NOTES

- PIPING SHALL BE INSTALLED SO THAT ALL PORTIONS OF THE SYSTEM CAN BE DRAINED BACK THROUGH VALVES IN ACCORDANCE WITH NFPA 13.
- ALL NEW FIRE SPRINKLER PIPING SHALL BE SCHEDULE 40, BLACK STEEL. SCHEDULE 10 PIPING SHALL NOT BE USED. ALL SPRINKLER PIPING 2.5" AND LARGER SHALL BE WELDED, FLANGED, OR GROOVED CONNECTIONS. ALL PIPING SMALLER THAN 2.5" SHALL BE THREADED.
- QUICK RESPONSE SPRINKLERS SHALL BE USED THROUGHOUT
- AUXILIARY DRAIN VALVES SHALL BE READILY ACCESSIBLE WITHOUT THE USE OF A LADDER AND SHALL NOT BE INSTALLED ANY HIGHER THAN 72" FROM THE FLOOR. AUXILIARY DRAIN VALVES SHALL DISCHARGE ONTO A SPLASH BLOCK ON THE EXTERIOR OF THE BUILDING.
- CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO KEEP THE PREMISES DRY AT ALL TIMES AND TO PREVENT WATER DAMAGE. CONTRACTOR SHALL REPAIR WATER DAMAGE RESULTING FROM THE WORK, WHETHER INTENTIONAL OR NOT, AT NO COST TO, AND TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY PIPE HANGERS AND SUPPORTS AS REQUIRED BY NFPA 13.



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Rev.	Description	Date

Job Number	21047 / BRKR 202911
Date	February 2023
Drawn By	EK
Checked By	EK

Project Title
GLOBAL ASNT STORAGE FACILITY
Birmingham, AL

Sheet Title
FIRE SPRINKLER NEW WORK PLAN

Sheet Number
FX1.1

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(PROF. ENG. #: 3600)
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PEI 22043

Professional Engineer Seal: **ELIJAH KIMMIG**, No. 90730, State of Florida, dated 02/03/2023.

