

# Union County Fire Station

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A Professional Corporation  
for the Practice of Architecture  
**www.gsstj.com**

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3340 Peachtree Road, N.E.  
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Atlanta, Georgia 30326  
404.522.8805  
404.521.2118 (f)

20112

# TITLE SHEET

G0.00

Revisions		
No.	Date	Description
1	08.30.22	Revision 1



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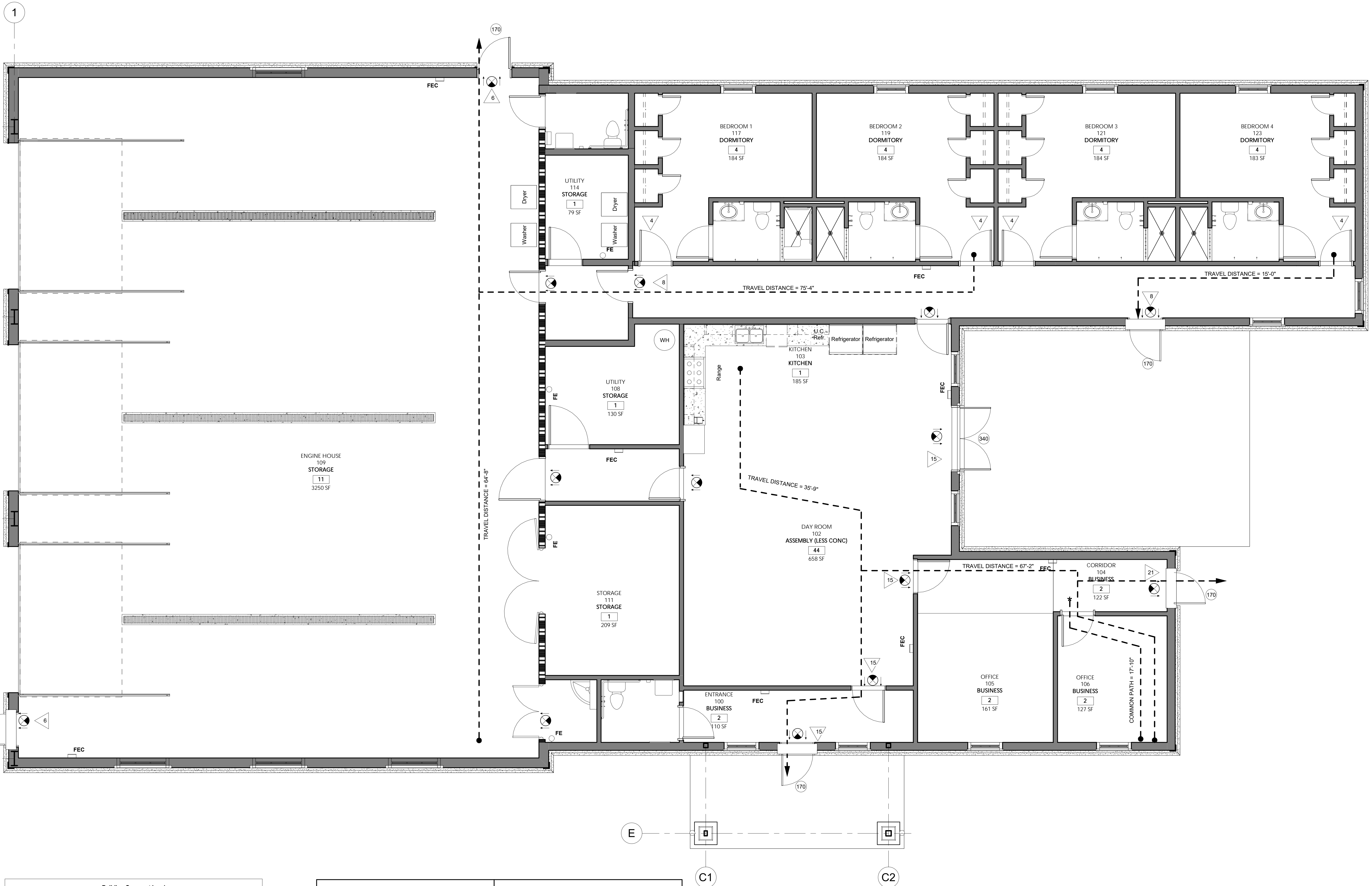
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20112

LIFE SAFETY PLAN

LS.01



Occupant Occupant Load				
Room No.	Room Name	Area	Room Type	Occupant Load
100	ENTRANCE	110 SF	BUSINESS	2
101	RESTROOM	45 SF	--	0
102	DAY ROOM	658 SF	ASSEMBLY (LESS CONC)	44
103	KITCHEN	185 SF	KITCHEN	1
104	CORRIDOR	122 SF	BUSINESS	2
105	OFFICE	161 SF	BUSINESS	2
106	OFFICE	127 SF	BUSINESS	2
107	CORRIDOR	64 SF	--	0
108	UTILITY	130 SF	STORAGE	1
109	ENGINE HOUSE	3250 SF	STORAGE	11
111	STORAGE	209 SF	STORAGE	1
112	RESTROOM	42 SF	--	0
114	UTILITY	79 SF	STORAGE	1
115	CORRIDOR	346 SF	--	0
117	BEDROOM 1	184 SF	DORMITORY	4
118	BATH 1	52 SF	--	0
119	BEDROOM 2	184 SF	DORMITORY	4
120	BATH 2	52 SF	--	0
121	BEDROOM 3	184 SF	DORMITORY	4
122	BATH 3	52 SF	--	0
123	BEDROOM 4	183 SF	DORMITORY	4
124	BATH 4	52 SF	--	0
				83

LIFE SAFETY LEGEND	
	OCCUPANT LOAD @ ROOM
	OCCUPANT LOAD @ EXIT
	CAPACITY @ EXIT OR STAIR
	STROBE/HORN
	PULL STATION
	EMERGENCY LIGHT
	PANIC HARDWARE
	PUSH/PULL NO LATCH
	EXIT SIGN
	TRAVEL DISTANCE
	COMMON PATH OF TRAVEL
	WALL-MOUNTED FIRE EXTINGUISHER CABINET
	WALL-MOUNTED FIRE EXTINGUISHER
	FIRE EXTINGUISHER CABINET(S), (FEC) @ 75' MAX.
	PORTABLE FIRE EXTINGUISHER(S) - TYPE 2A.10BC.
	MOUNT TOP OF HANDLE A 4-6" MAX. A.F.F.

OCCUPANT LOAD FACTORS BY USE PER IBC TABLE 1004.1.2	
USE	OCCUPANT LOAD
BUSINESS	1 PER 100 S.F. GROSS
DORMITORIES	1 PER 50 S.F. GROSS
ASSEMBLY, LESS CONCENTRATED	1 PER 15 S.F. NET
ACCESSORY STORAGE AREAS	1 PER 300 S.F. GROSS
MECHANICAL EQUIPMENT ROOM	1 PER 300 S.F. GROSS
KITCHEN	1 PER 200 S.F. GROSS

NEW BUSINESS OCCUPANCY, SPRINKLERED

COMMON PATH LIMIT: 100 FEET PER NFPA 101 38.2.4.5  
DEAD END LIMIT: 50 FEET (CORRIDOR) PER NFPA 101 38.2.5.2  
TRAVEL DISTANCE LIMIT: 300 FEET PER NFPA 101 38.2.6.3

NEW ASSEMBLY (GROUP A-3) OCCUPANCY, SPRINKLERED

COMMON PATH LIMIT: 20 FEET (> 50 OCC.) / 75 FEET (> 50 OCC.)  
PER NFPA 101 12.2.5.1.2  
DEAD END LIMIT: 20 FEET (CORRIDORS) / 20 FEET (AISLES) PER NFPA 101 12.2.5.1.3  
TRAVEL DISTANCE LIMIT: 250 FEET MAXIMUM PER NFPA 101 12.2.6

NEW RESIDENTIAL (R-3) OCCUPANCY, SPRINKLERED

TRAVEL DISTANCE LIMIT: 75 FEET PER NFPA 101 26.1.3

NEW FIRE BARRIERS PROVIDED PER NFPA 101 TABLE 6.1.1.14.4.1

-STORAGE ROOM ENGINE HOUSE (S-2), 1 HR  
-SLEEPING ROOMS FROM CORRIDOR, PER 26.3.5.1 - SMOKE

\*POINT AT WHICH A CHOICE OF 2 EXITS BECOME AVAILABLE

SPRINKLER SYSTEM TO BE TYPE NFPA 13R

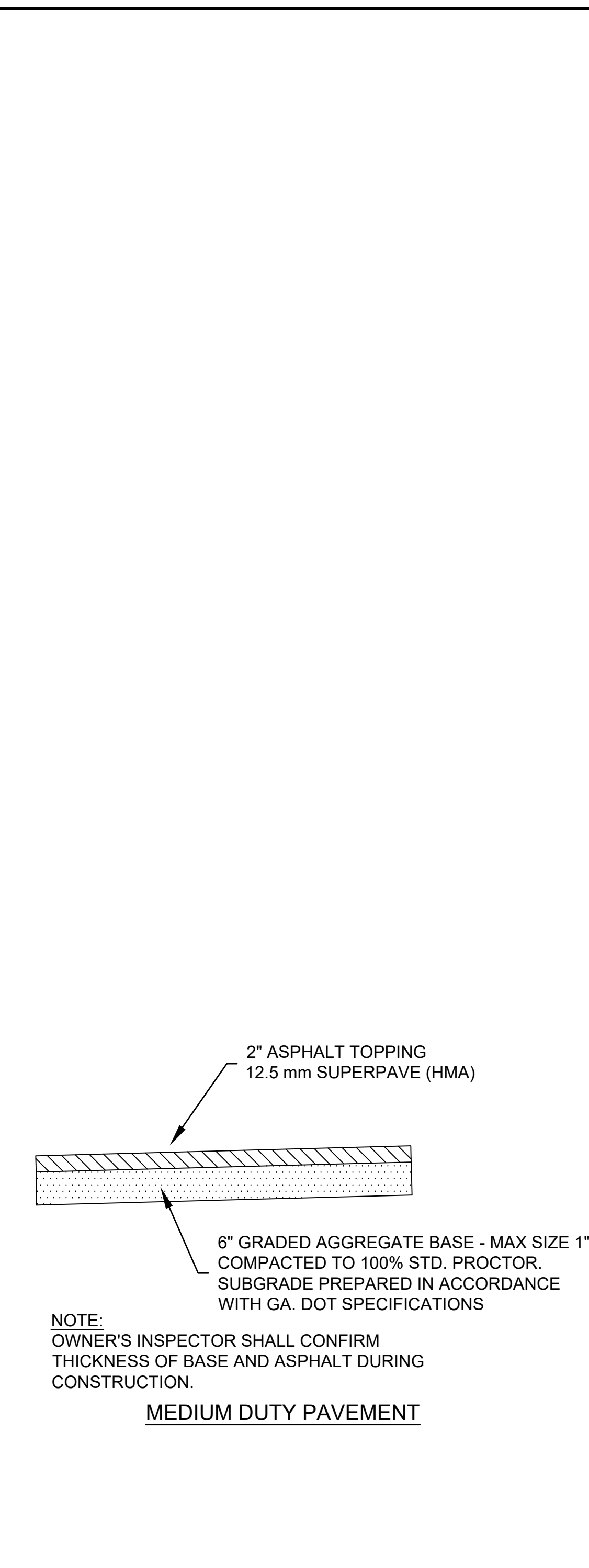






**SHEET**



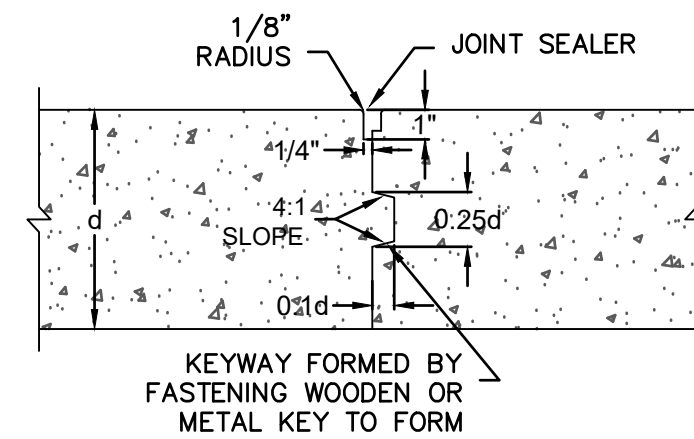


## UTILITY DISCLAIMER

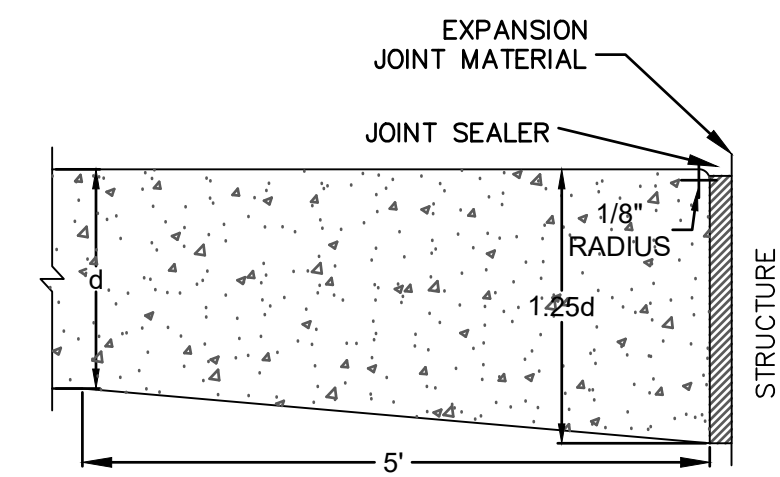
IN ADDITION TO SHOWING THE STRUCTURES TO BE BUILT UNDER THIS CONTRACT, THE DRAWINGS SHOW CERTAIN INFORMATION OBTAINED BY THE ENGINEER REGARDING THE PIPES, POLE LINES, CONDUITS, AND OTHER STRUCTURES WHICH EXIST ALONG THE LINE OF THE WORK, BOTH AT AND BELOW THE SURFACE OF THE GROUND. THE ENGINEER AND THE OWNER EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION GIVEN ON THE DRAWINGS WITH REGARD TO EXISTING STRUCTURES, AND THE CONTRACTOR WILL NOT BE ENTITLED TO ANY EXTRA COMPENSATION ON ACCOUNT OF ANY INACCURACY OR INCOMPLETENESS OF SUCH INFORMATION, SAID STRUCTURES BEING INDICATED ONLY FOR THE CONVEYANCE OF THE INFORMATION TO THE CONTRACTOR FOR HIS OWN INFORMATION AND HIS OWN SATISFACTION. THE GIVING OF THIS INFORMATION UPON THE CONTRACT DRAWINGS WILL NOT RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO SUPPORT AND PROTECT ALL PIPES, CONDUITS AND OTHER STRUCTURES. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND OBSTRUCTIONS PRIOR TO EXCAVATION SO AS TO PREVENT ANY DAMAGE TO THOSE SERVICES OR OTHER UTILITIES. ANY SUCH DAMAGES MUST BE REPAIRED WITHOUT DELAY AND THE COST OF SUCH REPAIRS MUST BE BORNE BY THE CONTRACTOR.

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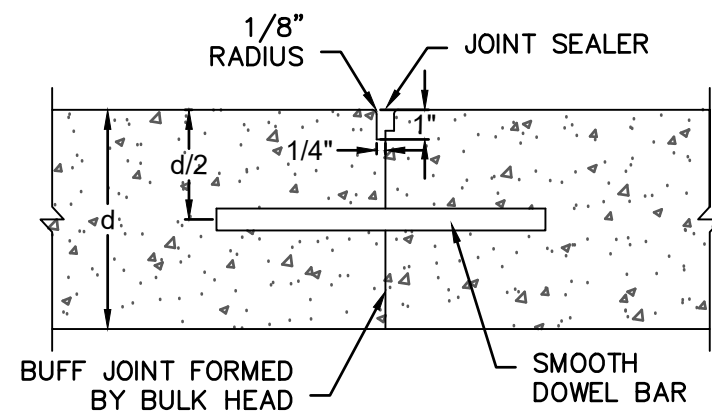
SAWED JOINT  
LONGITUDINAL OR TRAVERSE



KEYED CONSTRUCTION JOINT  
LONGITUDINAL OR TRAVERSE  
FOR LOCATIONS WHERE TIE BARS ARE  
REQUIRED.



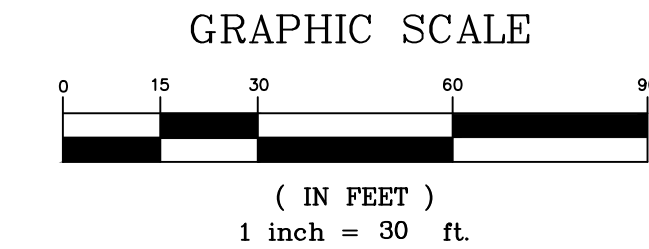
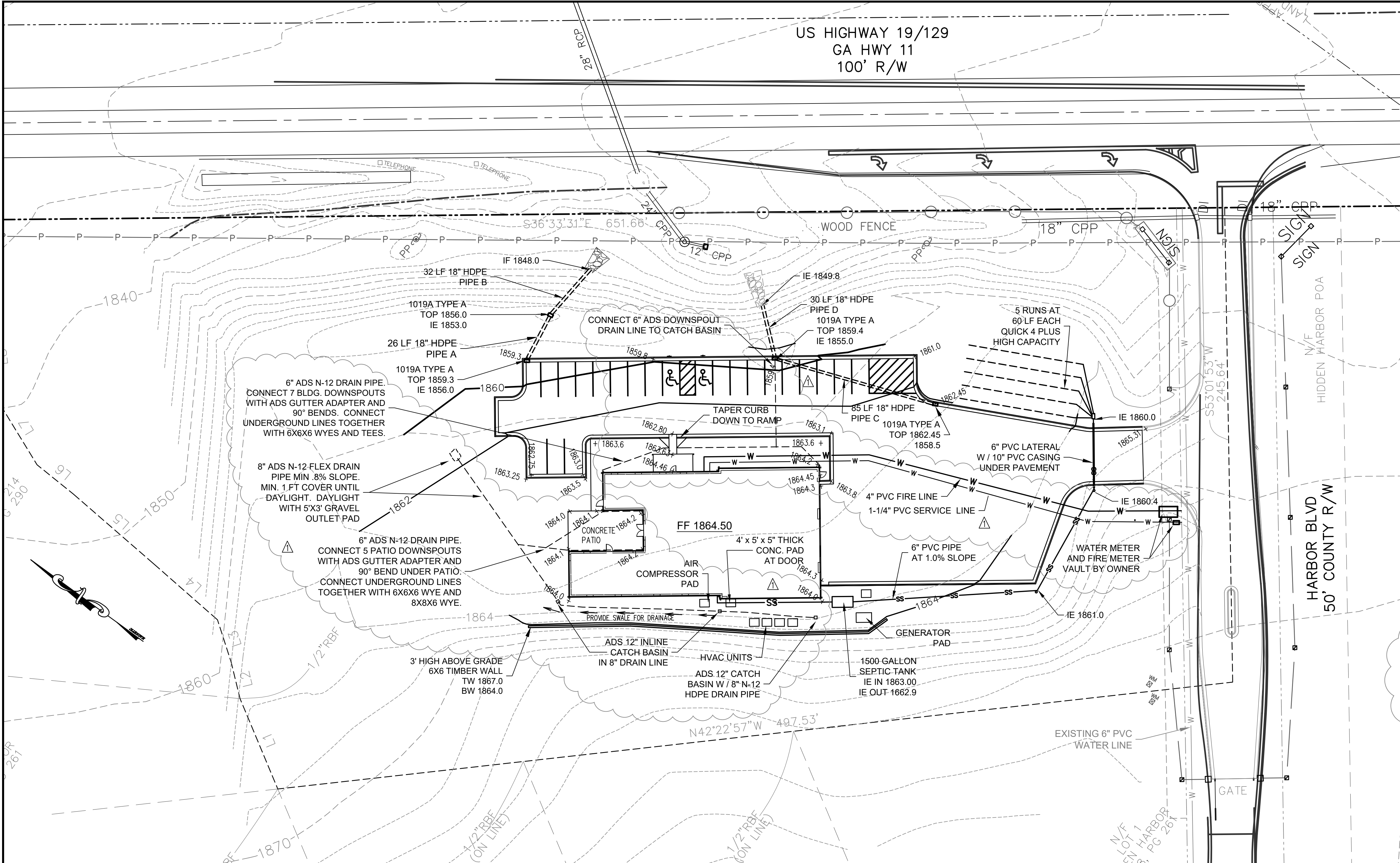
EXPANSION JOINT  
THICKEN EDGE ONLY IF WHEEL  
LOADS CAN CROSS THE JOINT



TRANSVERSE CONSTRUCTION JOINT  
USE ONLY AT LOCATION OF CONTRACTION JOINT. IF  
JOINT OCCURS IN MIDDLE THIRD OF NORMAL SLAB,  
USE KEYED CONSTRUCTION JOINT WITH TIEBAR.

C2	4/6/2022 DATE	2022.51 JOB NUMBER	x: vprojects FILE LOCATION
<div style="text-align: center;"> STAMP 4/8/2022 DONALD W. BAKER</div>			
SITE LAYOUT PLAN			
SHEET TITLE		DESIGN BY	CHECKED BY
		DWB	DWB
DRAWN BY		DWB	
FIRE STATION FOR UNION COUNTY, GA			
DON BAKER ENGINEERING 89 GRANDWATER DRIVE SUWANEE, GA 30024 770-403-4527			
DATE NO DESCRIPTION			
7/16/2022 1 WATER LINE, GUTTER AND GUTTER DRAIN LINES, ADS BRAIN LINE, AND SEPTIC LINE REVISIONS.			
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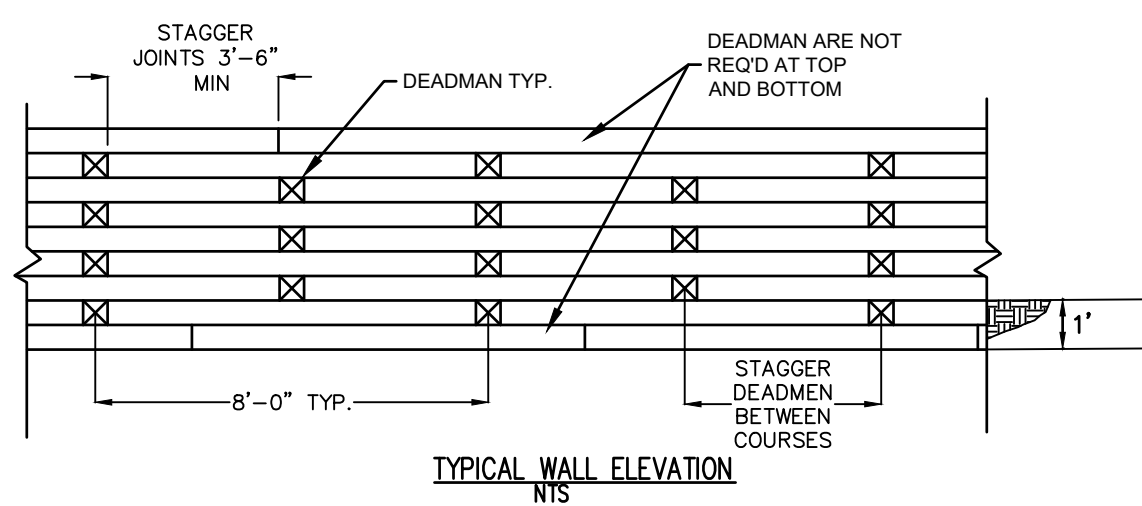




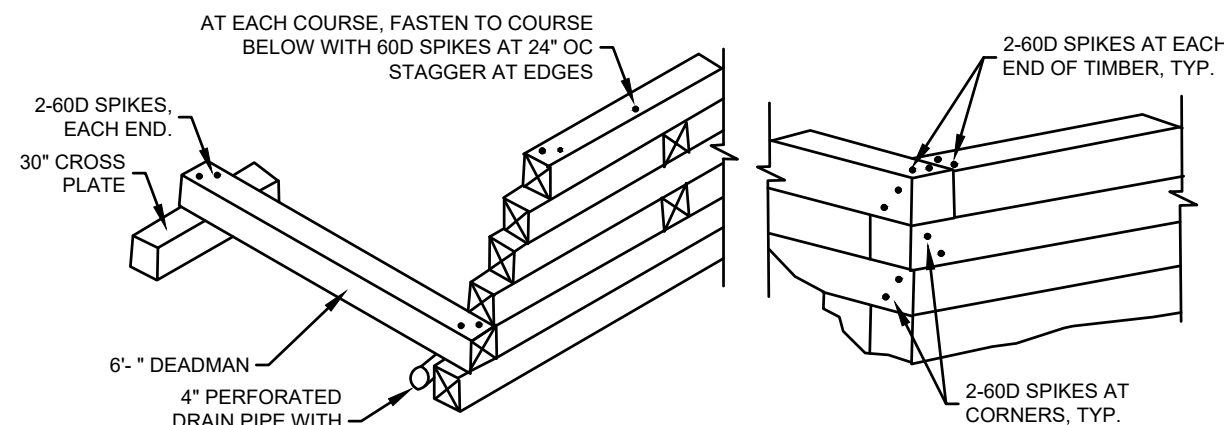
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- WALL CONSTRUCTION**
1. LUMBER SHALL BE 6X6 SOUTHERN PINE, GRADE #2 OR BETTER AND PRESERVATIVE-TREATED IN ACCORDANCE WITH AMERICAN WOOD PRESERVERS' ASSOC. STANDARDS FOR GROUND CONTACT.
  2. ALL SPIKES SHALL BE 600 OR EQUIVALENT, HOT-DIPPED GALVANIZED OR STAINLESS STEEL AND DRIVEN INTO PRE-DRILLED HOLES. SPIKES SHALL BE OF SUFFICIENT LENGTH TO PENETRATE THE BASE MEMBER A MINIMUM OF 2 INCHES.
  3. DEADMEN SHALL BE SPACED AT 8 FEET ON CENTER. DEADMEN ARE NOT REQUIRED IN THE TOP COURSE OR BOTTOM COURSE BELOW GRADE.
  4. DEADMEN SHALL BE 6 FEET LONG AND HAVE A 30 INCH WIDE CROSS PLATE.
  5. EACH 6X6 MEMBER SHALL BE SECURED AT EACH END WITH 2-600 SPIKES DRIVEN VERTICALLY INTO THE MEMBER BELOW. CORNERS SHALL BE SECURED WITH 2-600 SPIKES AND DRIVEN HORIZONTAL.



#### GENERAL PIPE INSTALLATION:

1. WATER/SEWER PIPE AND APPURTENANCES SHALL BE INSTALLED ONLY WHEN TRENCH CONDITIONS ARE SUITABLE.
2. TRENCHES MUST BE DRY.
3. PROPER IMPLEMENTS, TOOLS, AND FACILITIES SHALL BE PROVIDED BY CONTRACTOR FOR SAFE AND CONVENIENT PERFORMANCE OF THE WORK.
4. PREVENT DAMAGE TO PIPE MATERIALS AND PROTECTIVE COATINGS AND LININGS.
5. DO NOT DROP OR DUMP PIPELINE INTO TRENCH.
6. CAREFULLY EXAMINE PIPE AND FITTINGS FOR CRACKS AND OTHER DEFECTS WHILE SUSPENDED ABOVE TRENCH IMMEDIATELY BEFORE INSTALLATION IN FINAL POSITION. DEFECTIVE PIPE OR FITTINGS SHALL BE CLEARLY MARKED AND SHALL BE REMOVED FROM SITE.
7. CLEAN BELL AND SPIGOT ENDS OF EACH PIPE THOROUGHLY BEFORE PIPE IS LAID.
8. PREVENT FOREIGN MATERIAL FROM ENTERING PIPE WHILE IT IS BEING PLACED IN LINE.
  - A. PROVIDE PROTECTIVE COVERING FOR ENDS OF PIPE UNTIL CONNECTION IS MADE TO ADJACENT PIPE, IF NECESSARY.
  - B. NO DEBRIS, TOOLS, CLOTHING, OR OTHER MATERIALS SHALL BE PLACED IN PIPE DURING LAYING OPERATIONS.
9. AS EACH LENGTH OF PIPE IS PLACED IN TRENCH, SPIGOT END SHALL BE CENTERED IN BELL AND PIPE FORCED HOME AND BROUGHT TO CORRECT LINE AND GRADE.
  - A. PIPE SHALL BE SECURED IN PLACE WITH APPROVED BACK FILL MATERIAL TAMPED AROUND IT.
  - B. PRECAUTIONS SHALL BE TAKEN TO PREVENT DIRT FROM ENTERING JOINT SPACE.
10. OPEN ENDS OF PIPE SHALL BE CLOSED BY WATERTIGHT PLUG, OR OTHER MEANS APPROVED BY OWNER, AT TIMES WHEN PIPE LAYING IS NOT IN PROGRESS. IF WATER IS IN TRENCH, PLUG SHALL REMAIN IN PLACE UNTIL TRENCH IS PUMPED COMPLETELY DRY. WATER SHALL NOT BE ALLOWED TO RUN INTO PIPE AT ANY TIME DURING CONSTRUCTION.
11. LAY PIPE WITH BELL ENDS FACING IN DIRECTION OF LAYING, UNLESS DIRECTED OTHERWISE BY OWNER.
12. FOR 6" SERVICE LATERAL INSTALLATION, CLEANOUTS SHALL BE INSTALLED AT ALL BENDS.
13. SEE DETAIL SHEET FOR PIPE BEDDING DETAILS FOR SEWER AND STORM PIPING.

#### SEPTIC SYSTEM

1. SUBMIT THIS PLAN TO UNION COUNTY HEALTH DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION OF SEPTIC SYSTEM.
2. INSTALLATION OF SEPTIC SYSTEM SHALL BE IN ACCORDANCE WITH GEORGIA DEPARTMENT OF HEALTH SEPTIC SYSTEM DESIGN MANUAL.
3. CLEANOUTS SHALL BE INSTALLED AT ALL BENDS IN SERVICE LATERALS.

#### WATER SYSTEM

CONTACT NOTTELY WATER AUTHORITY FOR SERVICE CONNECTION. FIRE METER VAULT AND CONNECTION TO NOTTELY WATER SHALL BE BY OWNER. 1-1/4" SERVICE METER AND CONNECTION TO NOTTELY WATER SHALL BE BY OWNER. 4" PVC FIRE LINE SHALL BE AWWA C-900 DR 18 PRESSURE CLASS 150 AND INSTALLED BY CONTRACTOR. 1-1/4" PVC SERVICE LINE SHALL BE SDR 18 W/ PRESSURE RATING OF 200 PSI AND INSTALLED BY CONTRACTOR. WATER LINES SHALL BE BLUE IN COLOR. CONTRACTOR TO CONNECT INSTALLED WATER LINES TO OUTLET OF FIRE VAULT AND OUTLET OF 1-1/4" SERVICE METER BOX.

#### SIDEWALK NOTES:

1. SIDEWALKS SHALL BE CONSTRUCTED OF CONCRETE A MINIMUM 5' IN WIDTH AND 4" THICK. SIDEWALKS SHALL BE CONSTRUCTED WITH A CROSS SLOPE OF 0.25 IN/FT. CONCRETE SHALL BE CLASS "B" AND HAVE A STRENGTH OF 2200 PSI AT 28 DAY.

#### PAVEMENT

1. SEE SHEET C2 FOR CONCRETE PAVEMENT NOTES AND DETAILS.
2. ASPHALT PAVING SHALL BE CONSTRUCTED PER THE DETAIL ON SHEET C2.

#### GRADING NOTES

1. CONTOUR INTERVALS ARE 2 FEET.
2. ALL EARTHWORK OPERATIONS SHALL COMPLY WITH REQUIREMENTS OF OSHA CONSTRUCTION STANDARDS, PART 1926, SUBPART P, EXCAVATIONS, TRENCHING, AND SHORING, AND SUBPART O, MOTOR VEHICLES, MECHANIZED EQUIPMENT, AND MARINE OPERATIONS, AND SHALL BE CONDUCTED IN A MANNER ACCEPTABLE TO OWNER/ENGINEER.
3. FILL MATERIALS SHALL CONSIST OF CLEAN SOIL, FREE OF ORGANIC OR DELETERIOUS MATERIALS, ROCKS, OR BROKEN PIECES OF CONCRETE LARGER THAN THREE INCHES IN SIZE, OR OF ANY OTHER FOREIGN OBJECTS THAT COULD IMPEDE COMPACTION RESULTS.
4. FILL MATERIALS SHALL BE SPREAD EVENLY IN HORIZONTAL LAYERS OF NOT MORE THAN 8 INCHES IN LOOSE LIFTS OVER THE FULL WIDTH OF FILL AND COMPACTED TO AT LEAST 95% MAXIMUM DRY DENSITY BY STANDARD PROCTOR COMPACTION TEST ASTM D698 UNLESS OTHERWISE NOTED.
5. MAXIMUM CUT OR FILL SLOPES ARE 2H:1V.
6. GRADE TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS INTO STORM CHANNELS.

#### RIPRAP APRON SUMMARY

PIPE ID	PIPE DIAMETER (d)	FLOW RATE (cfs)	VELOCITY (fps)	TAILWATER CONDITION	APRON LENGTH (L <sub>a</sub> )	WIDTH UPSTREAM (W <sub>1</sub> )	WIDTH DOWNSTREAM (W = D <sub>o</sub> + L <sub>a</sub> )	RIP RAP SIZE (d <sub>50</sub> )	RIP RAP DEPTH (t <sub>m</sub> )	RIP RAP TYPE
PIPE A & B	18"	2.72	2.05	MIN	10'	5'	12'	4"	18"	DOT TYPE 3
PIPE C & D	18"	6.45	4.50	MIN	20'	5'	14'	4"	18"	DOT TYPE 3

NOTE: PIPE A & B ARE COMBINED WITH TOTAL OUTFALL FLOW SHOWN FROM PIPE B

NOTE: PIPE C & D ARE COMBINED WITH TOTAL OUTFALL FLOW SHOWN FROM PIPE D

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DESCRIPTION	NO	DATE
WATER LINE, GUTTER AND GUTTER DRAIN LINES, ADS DRAIN LINE, AND SEPTIC LINE REVISIONS	1	7/18/2022

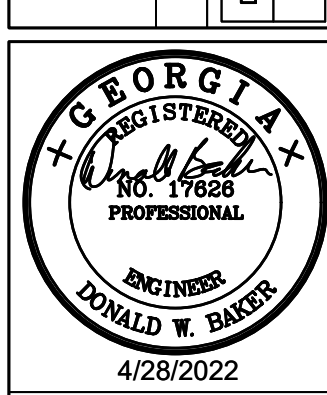
DON BAKER ENGINEERING

89 GRANDWATER DRIVE  
SUWANEE, GA 30024  
770-403-4527

FIRE STATION  
FOR  
UNION COUNTY, GA

GRADING AND  
UTILITY PLAN

SHEET TITLE



4/28/2022

STAMP

4/6/2022  
DATE  
2022.51  
JOB NUMBER  
z:Projects  
FILE LOCATION

C3

PATH & FILE: F:\Projects\2022\2022.51 Union County\Design Stage\Base Fire station\71622

SHEET







EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST  
STAND ALONE CONSTRUCTION PROJECTS  
SWCD: BLUE RIDGE MOUNTAIN  
Project Name: UNION COUNTY FIRE STATION Address: HARBOR BLVD.  
City/County: BLAIRSVILLE, UNION COUNTY Date on Plans: 4/6/2022  
Name & email of person filling out checklist: DONALD BAKER dbakerala@gmail.com

Plan included TO BE SHOWN ON ES&PC PLAN  
Page # Y/N  
EC2 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)

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)

3 Limits of disturbance shall be no greater 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 at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter. \*  
(A copy of the written approval by GAEPD must be attached to the plan for the Plan to be reviewed.)

4 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.

5 Provide the name, address, email address, and phone number of primary permittee.

6 Note total and disturbed acreages of the project or phase under construction.

7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.

8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.

9 Description of the nature of construction activity and existing site conditions.

10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.

11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.

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 19 of the permit.

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 19 of the permit. \*

14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."  
in accordance with Part IV A.5 page 25 of the permit. \*

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."

16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.

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." \*

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." \*

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."

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."

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."

22 Any construction activity which discharges storm water into an 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 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. \*

23 If a TMDL Implementation Plan for sediment has been finalized for the 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. \*

24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. \*

25 Provide BMPs for the remediation of all petroleum spills and leaks.

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. \*

27 Description of practices to provide cover for building materials and building products on site. \*

28 Description of the practices that will be used to reduce the pollutants in storm water discharges. \*

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, temporary and final stabilization).

30 Provide complete requirements of Inspections and record keeping by the primary permittee. \*

31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. \*

32 Provide complete details for Retention of Records as per Part IV.F. of the permit. \*

33 Description of analytical methods to be used to collect and analyze the samples from each location. \*

34 Appendix B rationale for NTU values at all outfall sampling points where applicable. \*

35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. \*

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 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. \*

\* Y 37 Graphic scale and North arrow.

\* Y 38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft
1 inch = 100ft or larger scale	Flat 0 - 2% Rolling 2 - 8% Steep 8% +	0.5 or 1 1 or 2 2.5 or 10

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). Please refer to the Alternative BMP Guidance Document found at [www.gaswcc.georgia.gov](http://www.gaswcc.georgia.gov).

N/A 40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. \*

N/A NONE 41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.

N/A NONE 42 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.

EC2 Y 43 Delineation and acreage of contributing drainage basins on the project site.

1 Y 44 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. \*

\* see EC2 and Hydro 45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities after completed.

C3, EC4 Y 46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.

EC2 Y 47 Soil series for the project site and their delineation.

EC3-5 Y 48 The limits of disturbance for each phase of construction.

EC4 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 included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment 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.

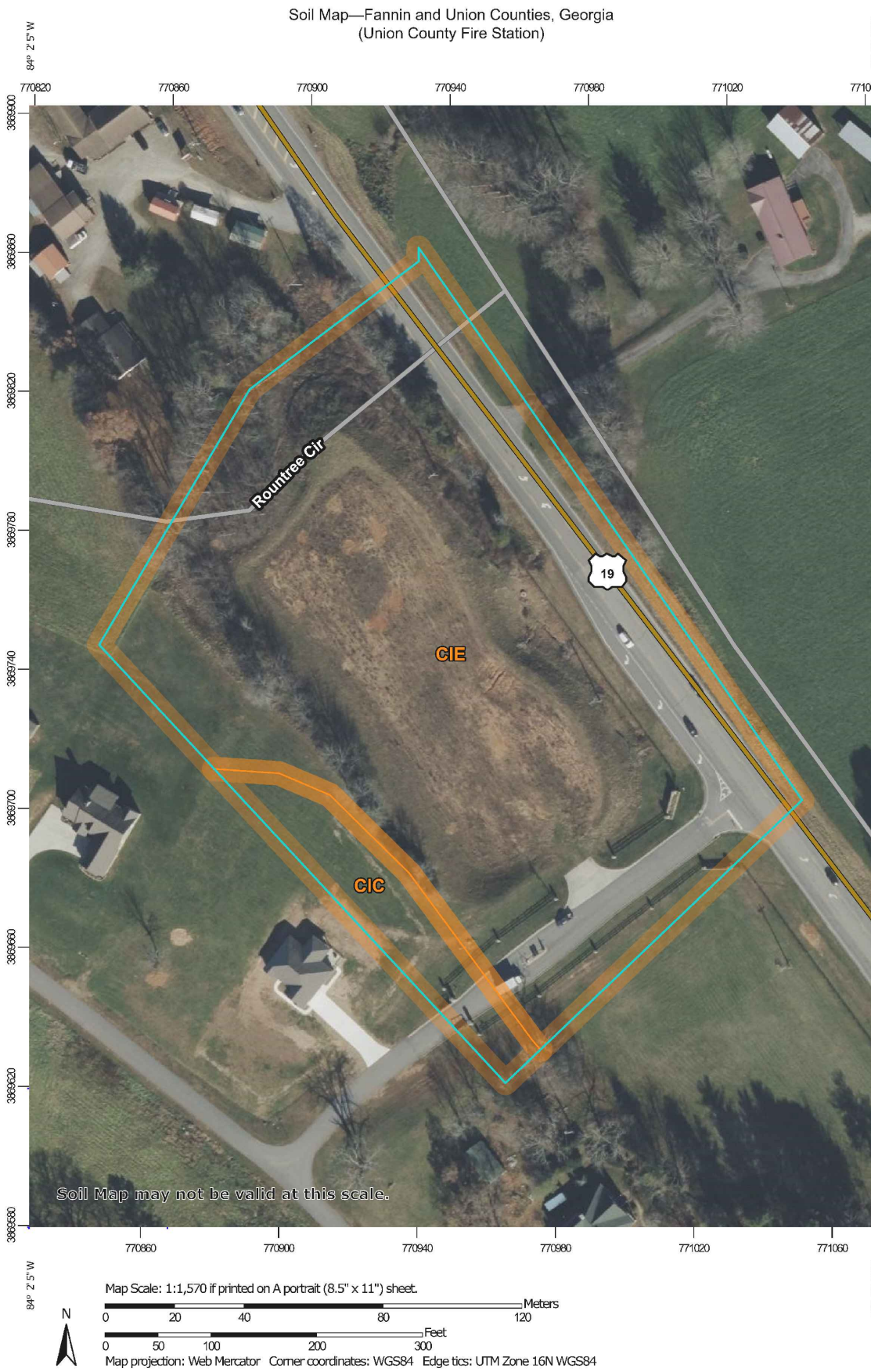
EC3-5 Y 50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.

\* 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.

EC1-2 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 the year that seeding will take place and for the appropriate geographic region of Georgia.

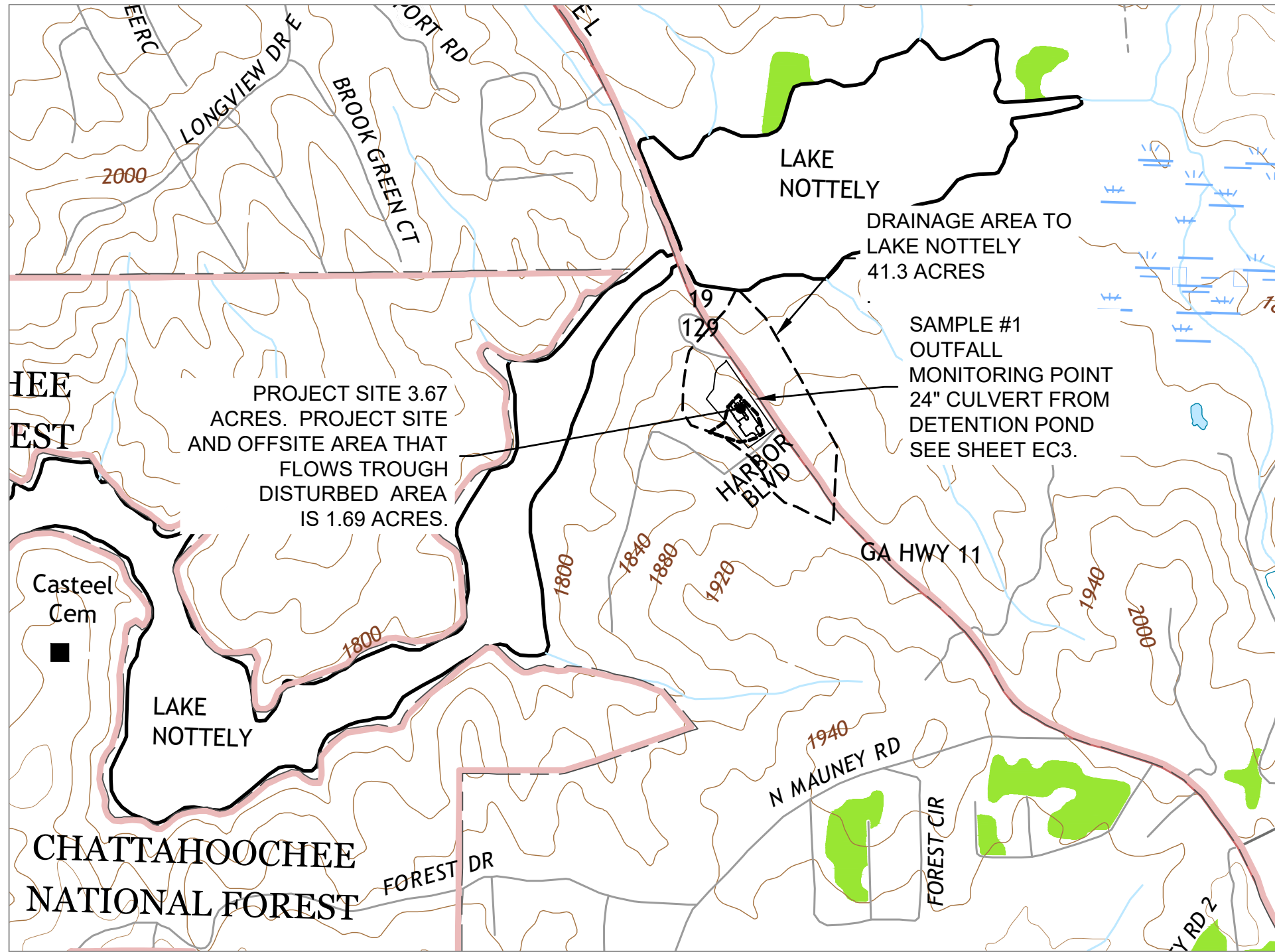
\* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the \* checklist items would be N/A.

Effective January 1, 2022



### Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CIC	Clifton-Evard complex, 6 to 10 percent slopes	0.5	8.3%
GIE	Clifton-Evard complex, 10 to 25 percent slopes	5.6	91.7%
Totals for Area of Interest		6.1	100.0%



Monitoring Site	Primary of Alternate Site	Location Description	Name of Receiving Water	Applicable Construction Phase	Sampling Type (Outfall or Receiving Water)	Drainage Area for Receiving Water (Sq Mi)	Disturbed Area (AC)	Warm or Cold Water Stream	Appendix B NTU value (Outfall Monitoring)	Allowable NTU increase (for Receiving Water)
UNION CO. FIRE STATION	Primary	Sample Location. #1	Lake Nottely	All	Outfall	<5	1.31	Warm	75	N/A

EROSION CONTROL LEGEND	
Sd1-S	SEDIMENT BARRIER - X
SILT FENCE TYPE C (NON-SENSITIVE)	
Du	DUST CONTROL
ALL DISTURBED AREA	
Co	CONSTRUCTION EXIT
Sd2-B	INLET SEDIMENT TRAP - BAFFLE BOX
Sd2-F	INLET SEDIMENT TRAP - FILTER FABRIC WITH SUPPORTING FRAME
St	OUTLET PROTECTION
DISTURBED LIMITS	

### MULCHING

ALL SLOPED AREAS TO BE MULCHED AND TEMPORARILY GRASSED WITH 2 1/2 TONS PER ACRE OF DRY STRAW.

### TEMPORARY GRASSING

TEMPORARY GRASSING SHALL CONSIST OF SOWING A QUICK GRASS SUCH AS RYE GRASS, BROWN TOP MILLET, OR A GRASS SUITABLE TO THE AREA AND SEASON. FERTILIZER AND LIME SHALL BE UNIFORMLY MIXED INTO THE GROUND-FERTILIZER AT A RATE OF 500#/AC. AND LIME AT 2000#/ACRE. FERTILIZER MIXED GRADE SHALL BE 10-10-10. MULCH IS NOT REQUIRED BUT SHOULD BE USED AS DICTATED BY EXISTING SITE CONDITIONS.

SPECIES	RATE	PLANTING DATE
RYE GRASS-ANNUAL	40-50#/AC.	AUGUST THRU MID-APRIL
BROWNTOP MILLET	30-40#/AC.	APRIL THRU MID-JULY
RYE	160-170#/AC.	MID-AUGUST THRU DECEMBER

### PERMANENT GRASSING:

PERMANENT GRASSING SHALL CONSIST OF GROUND PREPARATION, LIMING AND FERTILIZATION, SEEDING, AND MULCHING.

THE GROUND SHALL BE PREPARED BY PLOWING AND DISKING NOT LESS THAN 4". FERTILIZER AND LIME SHALL BE UNIFORMLY MIXED INTO THE GROUND - FERTILIZER AT A RATE OF 1500#/AC. AND LIME AT 2000#/AC. THE GROUND SHALL BE FINISHED OFF SMOOTH AND UNIFORM BEING FREE OF ROCKS, CLODS, ROOTS, ETC. FERTILIZER MIXED GRADE SHALL BE EITHER 4-12-12, 6-12-12 OR 5-10-15. SEEDING SHALL BE DONE WITHIN 24 HOURS OF THE FERTILIZER APPLICATION, WEATHER PERMITTING. SEED SHALL BE UNIFORMLY SPREAD AT THE RATE SHOWN BELOW. MULCHING IS REQUIRED AND SHALL BE DONE IMMEDIATELY AFTER SEEDING. MULCH SHALL BE UNIFORMLY APPLIED OVER THE AREA LEAVING APPROXIMATELY 25% OF THE GROUND SURFACE EXPOSED. THE RATE OF APPLICATION SHALL BE DOUBLED ON SIDE SLOPES 4:1 AND STEEPER.

SPECIES	RATE	PLANTING DATE
TALL FESCUE	50#/AC.	AUGUST THRU OCTOBER
COMMON BERMUDA (HULLED)	10#/AC.	MARCH THRU JUNE
COMMON BERMUDA (UNHULLED)	10#/AC.	OCTOBER THRU FEBRUARY
WEEPING LOVEGRASS	4#/AC.	MARCH THRU JUNE

### CHECKLIST #45

Pre-Developed Coeff. and Discharge C = 62.4 Q25 = 20.6 cfs  
Post Developed Coeff. and Discharge C = 65.6 Q25 = 23.8

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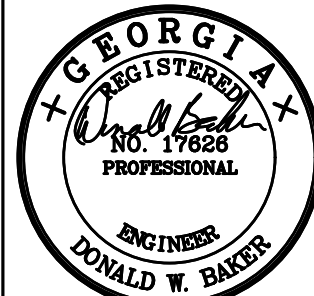
89 GRANDWATER DRIVE  
SUWANEE GA 30024  
770-403-4527

FIRE STATION  
FOR  
UNION COUNTY, GA

ESPC NOTES II

SHEET TITLE

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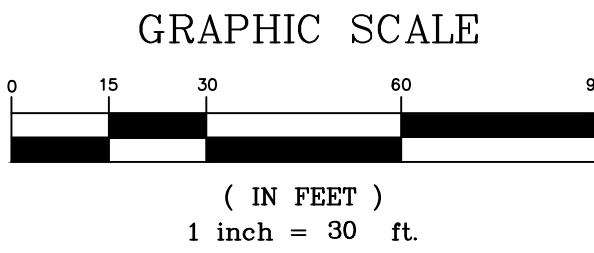
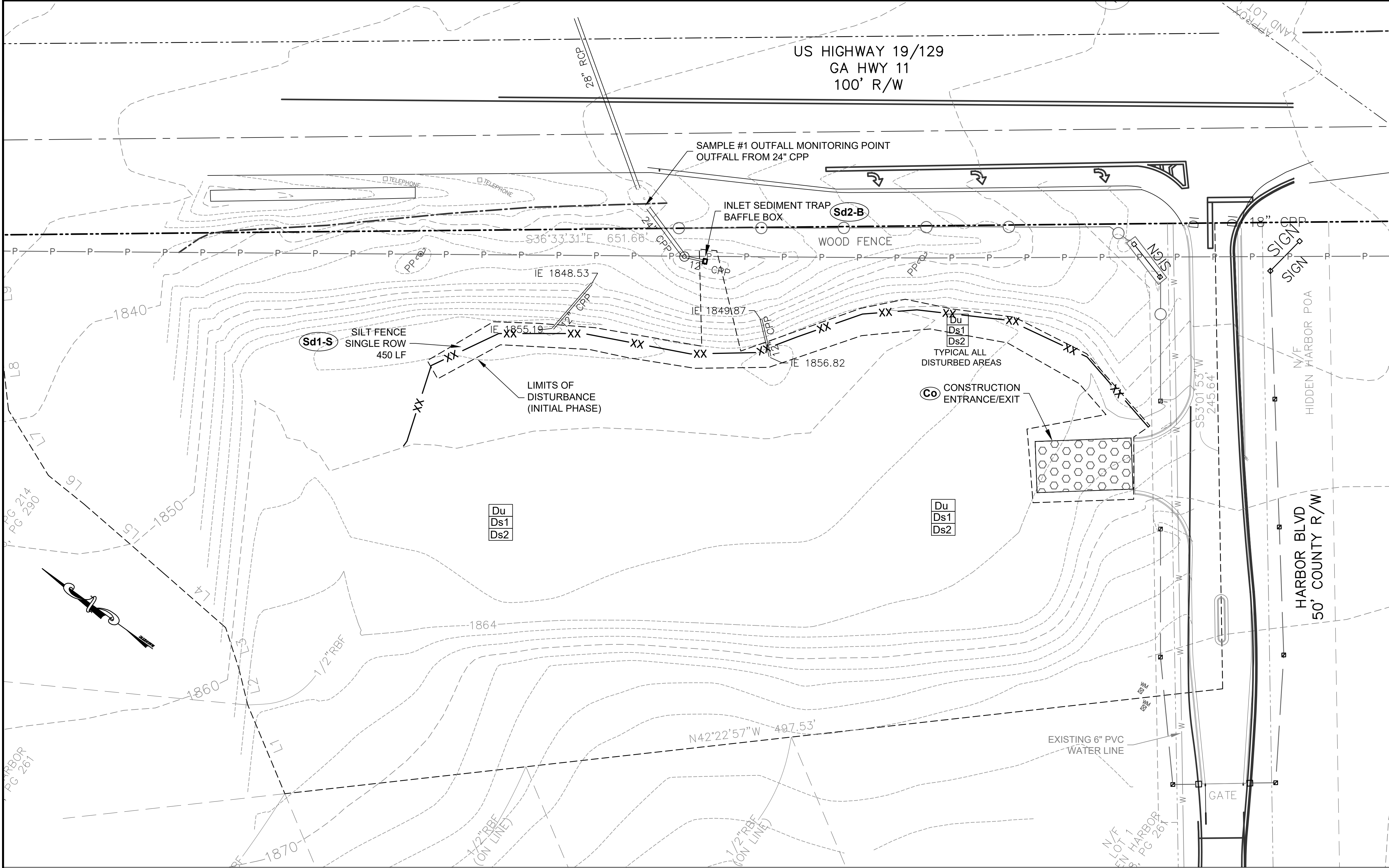
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- EROSION CONTROL NOTES**
1. NO BUFFER VARIANCES WILL BE REQUIRED AS PART OF THIS PROJECT.
  2. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR EXIT FROM THE SITE.
  3. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
  4. MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR AND THE OWNER/DEVELOPER.
  5. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING IN ACCORDANCE WITH THE GUIDELINES FOR DISTURBED AREA STABILIZATION CONTAINED IN THE MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA.
  6. EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
  7. AS SOON AS THE SITE HAS ACHIEVED FINAL STABILIZATION, ALL SILT FENCE AND OTHER TEMPORARY EROSION CONTROL MEASURES MUST BE REMOVED. ALL TEMPORARY AND PERMANENT GRASSING SHALL BE HYDROSEEDING.
  8. SEE DETAIL SHEETS FOR EROSION BMP INSTALLATION.
  9. CONTRACTOR SHALL CONDUCT TURBIDITY SAMPLING AFTER EVERY RAIN EVEN OF 0.5 INCHES OR GREATER WITHIN ANY 24 HR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN SECTION IV.D.6.D. OF THE NPDES PERMITS.

**SEDIMENT STORAGE CALCULATIONS**  
TOTAL SITE AREA: 3.67 ACRES  
TOTAL ONSITE AND OFFSITE DRAINAGE AREA  
THAT FLOWS THROUGH THE DISTURBED AREA IS: 1.67 ACRES

INITIAL PHASE DISTURBED AREA IS 0.19 ACRES.  
REQUIRED SEDIMENT STORAGE  
1.67 ACRES DRAINED X 67 CY/AC = 111.9 CY

EXISTING DETENTION POND STORAGE:  
VOLUME OF POND FOR SEDIMENT STORAGE IS FROM  
CONTOUR 1838 TO CONTOUR 1842. AREA OF CONTOUR  
1840 IS 502 SF. USING 1840 CONTOUR AS AVERAGE  
AREA, VOLUME IS 502 SF X 4 FT = 2008 CF  
= 74 CY STORAGE

450 LF SILT FENCE X 0.09 CY/LF = 41 CY

TOTAL SEDIMENT STORAGE = 114 CY

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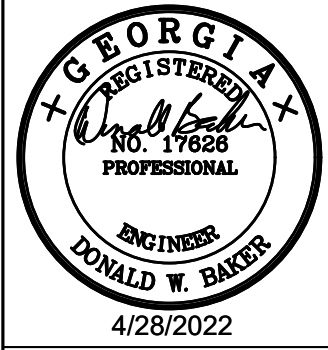
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DATE	NO	DESCRIPTION
7/18/2022	1	WATER LINE, GUTTER AND GUTTER DRAIN LINES, ADS DRAIN LINE, AND SEPTIC LINE REVISIONS.

**DON BAKER ENGINEERING**  
89 GRANDWATER DRIVE  
SUWANEE, GA 30024  
770-403-4527

**FIRE STATION  
FOR  
UNION COUNTY, GA**

INITIAL	ESPC	PLAN	SHEET TITLE
DESIGN BY	DWB	DRAWN BY	DWB
CHECKED BY	DWB	CHECKED BY	DWB



**STAMP**

4/6/2022	2022.51	z:\projects
DATE	JOB NUMBER	FILE LOCATION

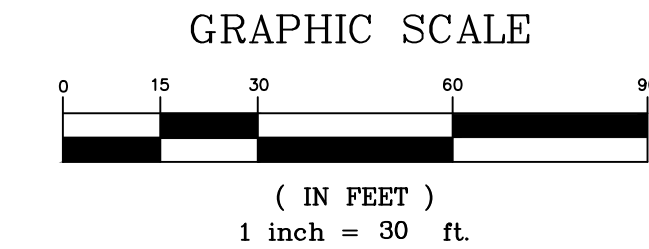
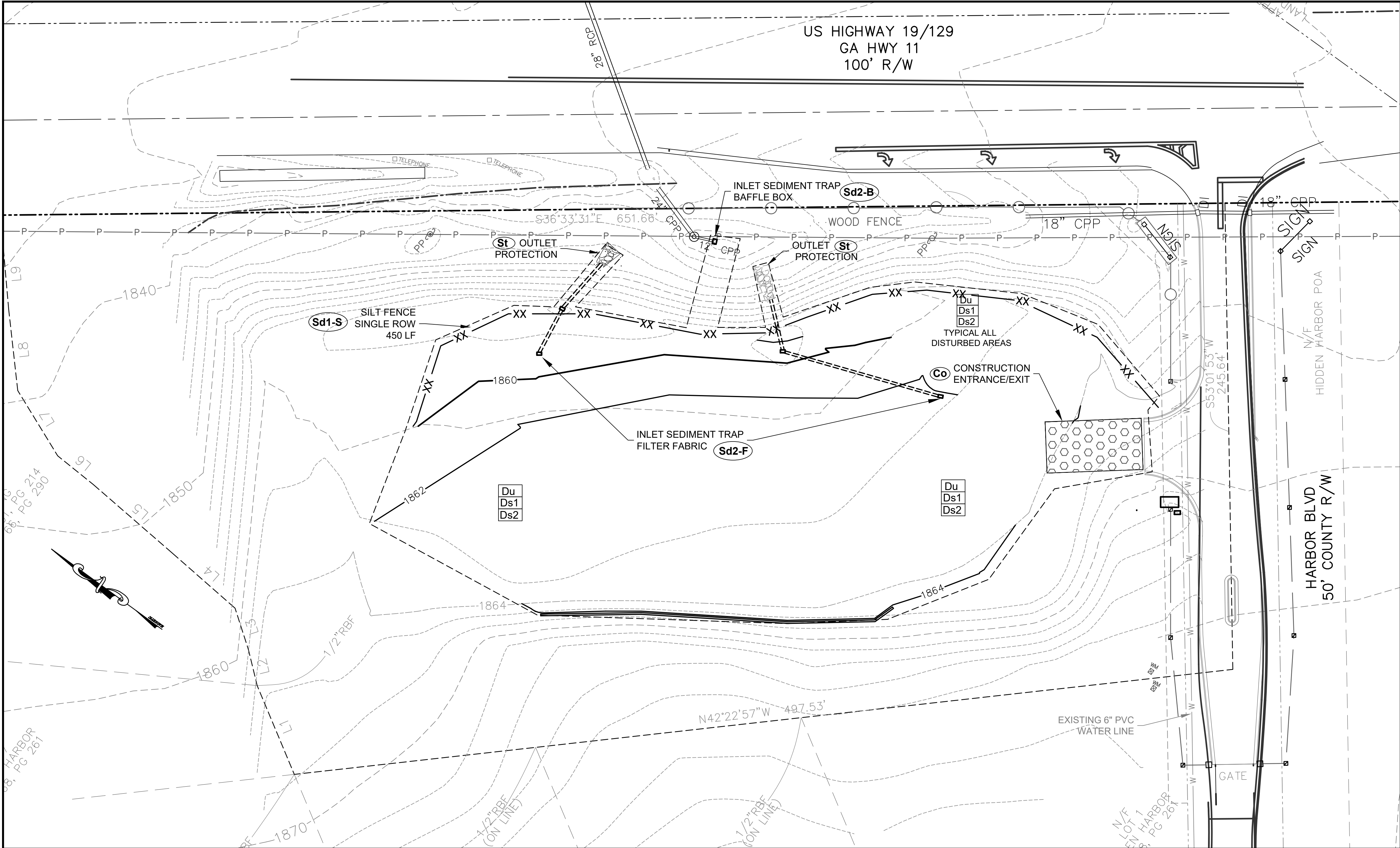
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RIPRAP APRON SUMMARY										
PIPE ID	PIPE DIAMETER (d)	FLOW RATE (cfs)	VELOCITY (fps)	TAILWATER CONDITION	APRON LENGTH (La)	WIDTH UPSTREAM (W1)	WIDTH DOWNSTREAM (W=Do+La)	RIP RAP SIZE (d50)	RIP RAP DEPTH (in)	RIP RAP TYPE
PIPE A & B	18"	2.72	2.05	MIN	10'	5'	12'	4"	18"	DOT TYPE 3
PIPE C & D	18"	6.45	4.50	MIN	20'	5"	14'	4"	18"	DOT TYPE 3

NOTE: PIPE A & B ARE COMBINED WITH TOTAL OUTFALL FLOW SHOWN FROM PIPE B

NOTE: PIPE C & D ARE COMBINED WITH TOTAL OUTFALL FLOW SHOWN FROM PIPE B

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  8. SEE DETAIL SHEETS FOR EROSION BMP INSTALLATION.
  9. CONTRACTOR SHALL CONDUCT TURBIDITY SAMPLING AFTER EVERY RAIN EVEN OF 0.5 INCHES OR GREATER WITHIN ANY 24 HR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN SECTION IV.D.6.D. OF THE NPDES PERMITS.

- EROSION CONTROL NOTES**
1. CLEAN SEDIMENT OUT OF SILT FENCE WHEN IT ACCUMULATES TO 1/2 OF THE TOTAL HEIGHT.
  2. CLEAN SEDIMENT OUT OF TEMPORARY SEDIMENT TRAP WHEN 1/3 SEDIMENT STORAGE VOLUME IS REACHED.
  3. SEE SHEET D1 FOR EROSION CONTROL DETAILS.
  4. Sd4-F IS TO REMAIN IN PLACE UNTIL SITE PAVING IS COMPLETE. ONCE SITE WORK IS COMPLETE REMOVE Sd4-F AND RE-GRASS AS NEEDED.
  5. SILT FENCE AND Sd2B IS TO REMAIN IN PLACE UNTIL PERMANENT GRASSING IS ESTABLISHED.

**SEDIMENT STORAGE CALCULATIONS**  
TOTAL SITE AREA: 3.67 ACRES  
TOTAL ONSITE AND OFFSITE DRAINAGE AREA THAT FLOWS THROUGH THE DISTURBED AREA IS: 1.67 ACRES  
  
INTERMEDIATE PHASE DISTURBED AREA IS 1.31 ACRES.  
REQUIRED SEDIMENT STORAGE  
1.67 ACRES DRAINED X 67 CY/AC = 111.9 CY  
EXISTING DETENTION POND STORAGE:  
VOLUME OF POND FOR SEDIMENT STORAGE IS FROM CONTOUR 1838 TO CONTOUR 1842. AREA OF CONTOUR 1840 IS 502 SF. USING 1840 CONTOUR AS AVERAGE AREA, VOLUME IS 502 SF X 4 FT = 2008 CF = 74 CY STORAGE

400 LF SILT FENCE X 0.09 CY/LF = 36 CY  
  
2 INLET SEDIMENT TRAPS X 16 = 32 LF X 0.09 CY/LF = 2.9 CY  
  
TOTAL SEDIMENT STORAGE = 1,129 CY

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EXPIRES 8/1/2024

4/6/2022  
DATE

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JOB NUMBER

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FILE LOCATION

EC4

INTERMEDIATE  
ESPC PLAN  
SHEET TITLE

DESIGN BY  
DWB

DRAWN BY  
DWB

CHECKED BY  
DWB

4/28/2022

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REGISTERED  
ENGINEER  
DONALD W. BAKER  
No. 17688  
PROFESSIONAL

Don Baker Engineering, LLC  
89 GRANDWATER DRIVE  
SUWANEE, GA 30024  
770-403-4527

REVISION

DATE

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DESCRIPTION

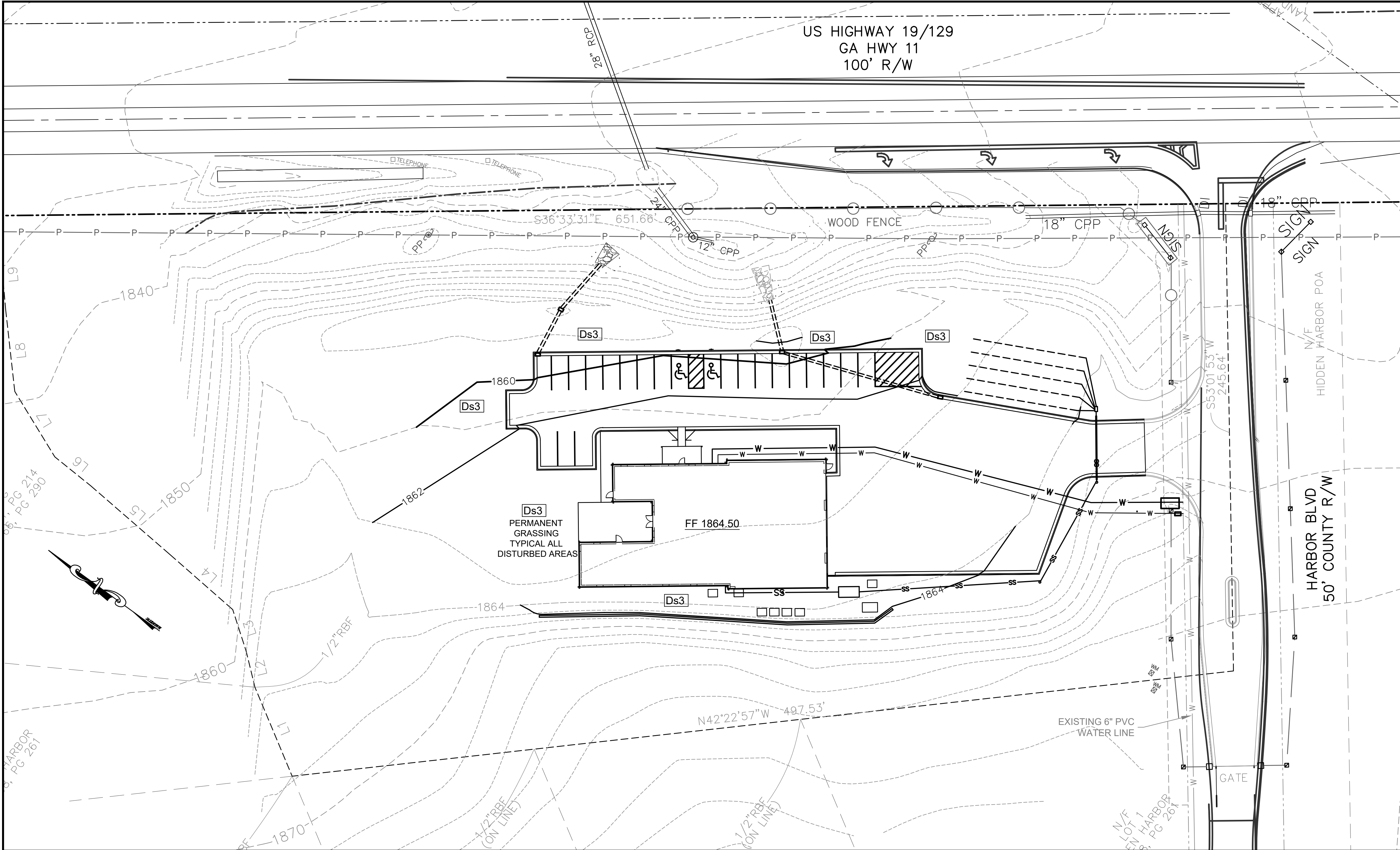
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WATER LINE, GUTTER AND GUTTER DRAIN LINES, AUS DRAIN LINE AND SEPTIC LINE REVISIONS.

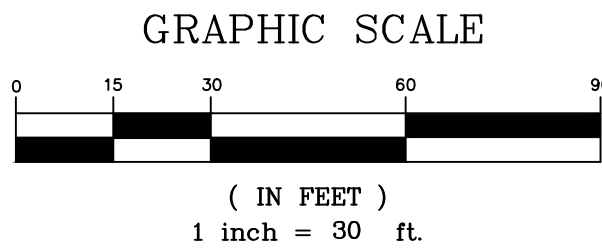
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AS SOON AS THE SITE HAS ACHIEVED FINAL STABILIZATION, AS DETERMINED BY THE SITE INSPECTION BY THE ENGINEER OF RECORD, ALL SILT FENCE, INLET SEDIMENT TRAPS AND OTHER TEMPORARY EROSION CONTROL MEASURES MUST BE REMOVED.

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CERTIFICATION NO. 12796  
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DESCRIPTION  
WATER LINE, GUTTER AND GUTTER DRAIN LINES, ADS DRAIN LINE AND SEPTIC LINE REVISIONS

NO  
1

DATE  
7/18/2022

DON BAKER ENGINEERING

89 GRANDWATER DRIVE  
SUWANEE, GA 30024  
770-403-4527

FINAL ESPC PLAN

SHEET TITLE

DESIGN BY  
DWB

DRAWN BY  
DWB

CHECKED BY  
DWB

REGISTERED PROFESSIONAL  
DONALD W. BAKER  
4/28/2022

STAMP

4/6/2022  
DATE

2022.51  
JOB NUMBER

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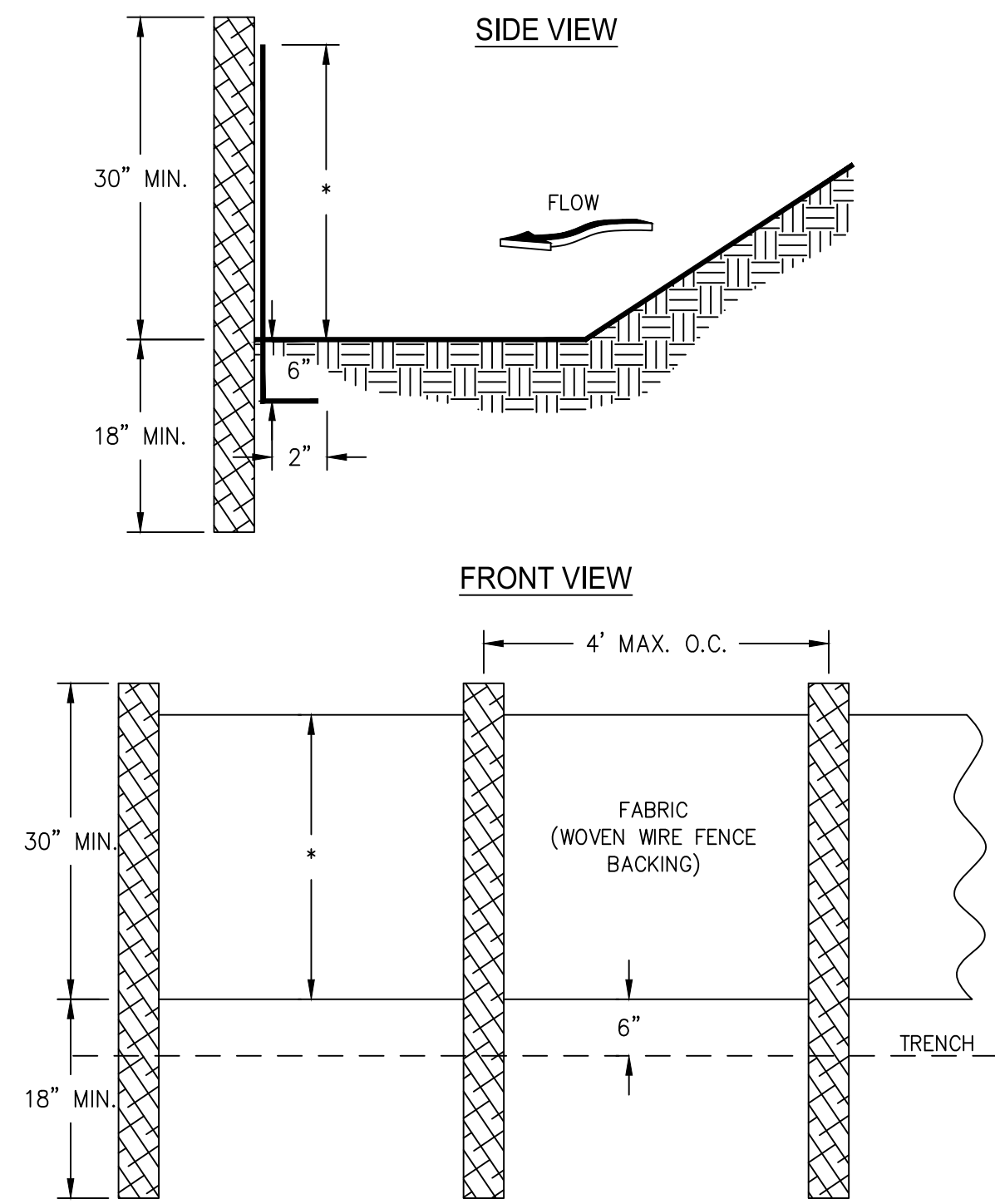
REVISION

EC5

SHEET



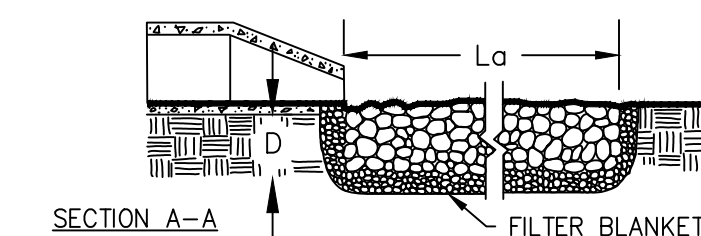
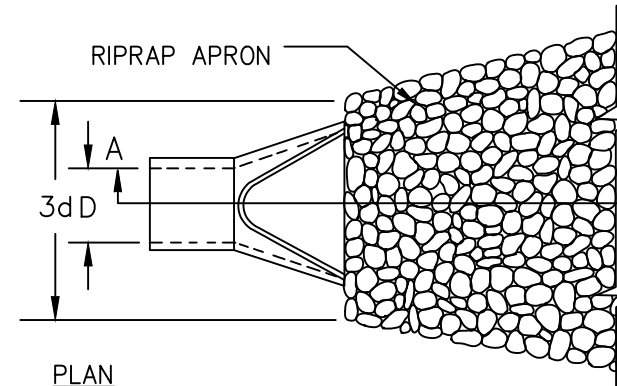
**Sd1-S SILT FENCE - TYPE SENSITIVE**



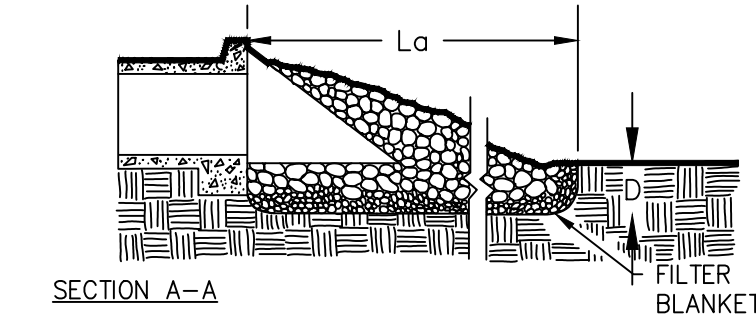
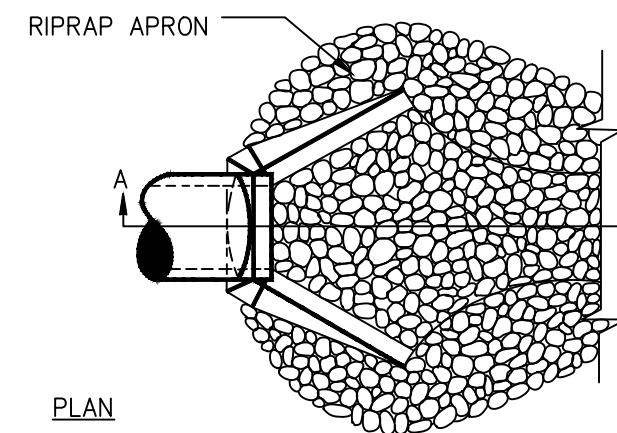
- NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
  2. HEIGHT (\*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

**(S) RIPRAP OUTLET PROTECTION**

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL

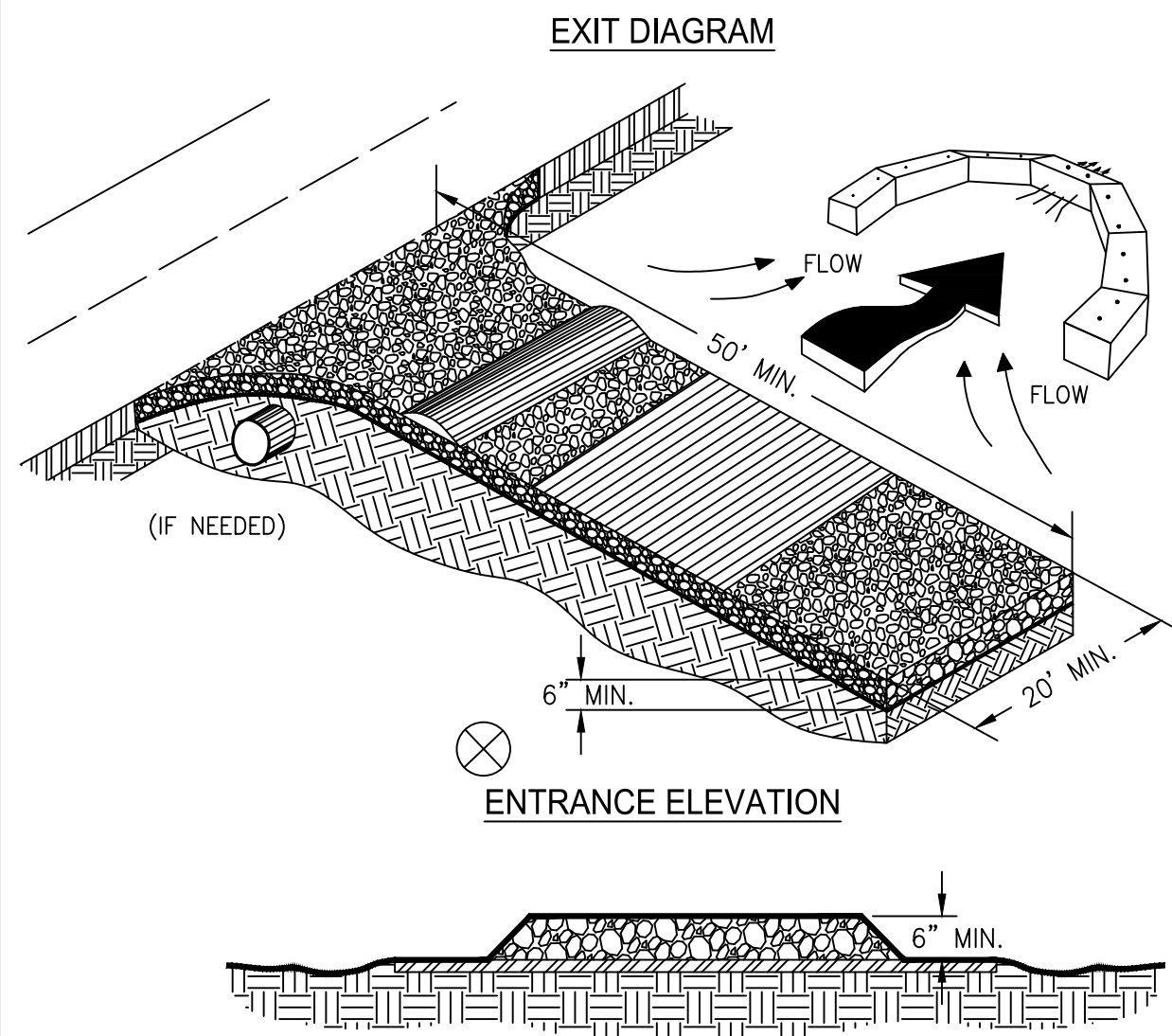


PIPE OUTLET TO WELL DEFINED CHANNEL



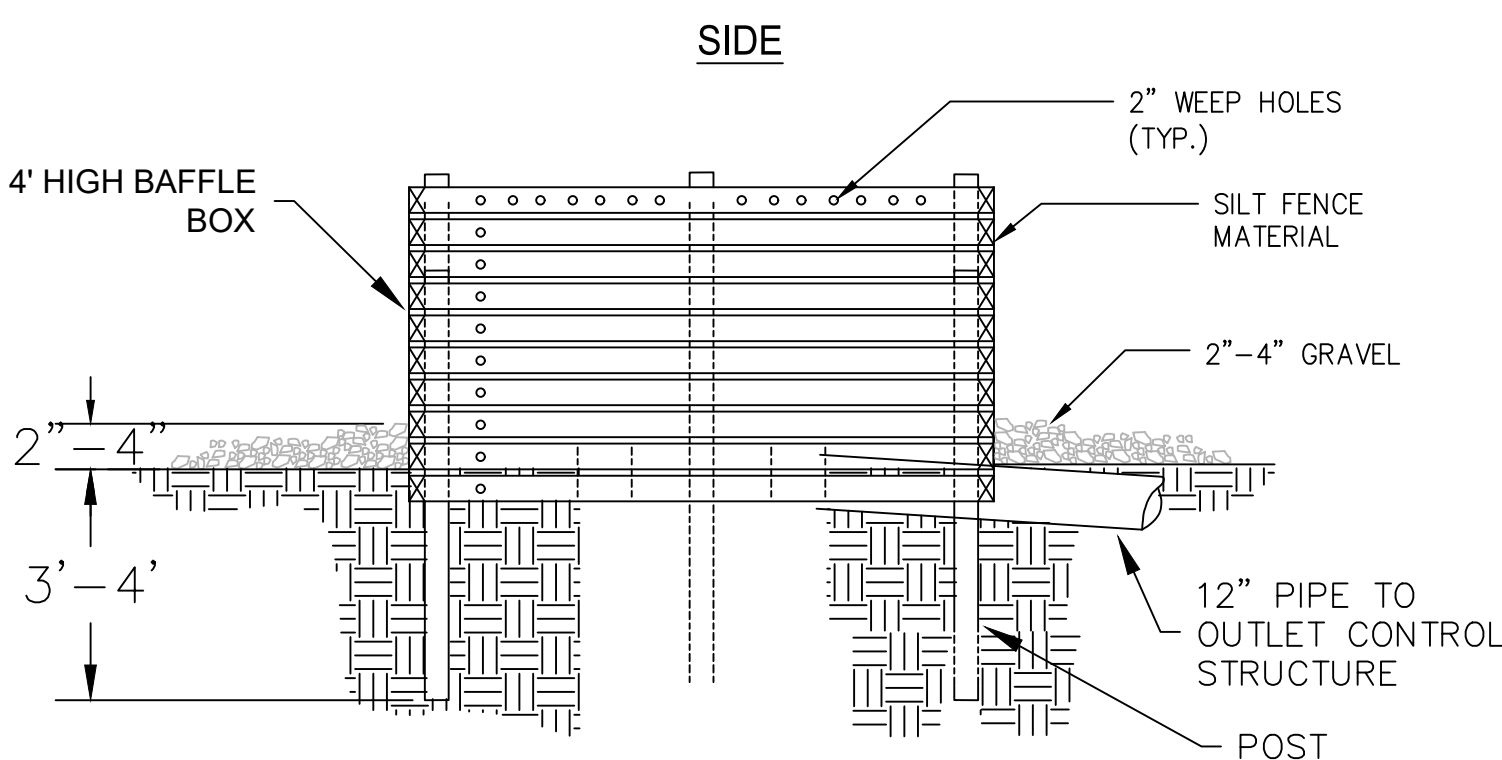
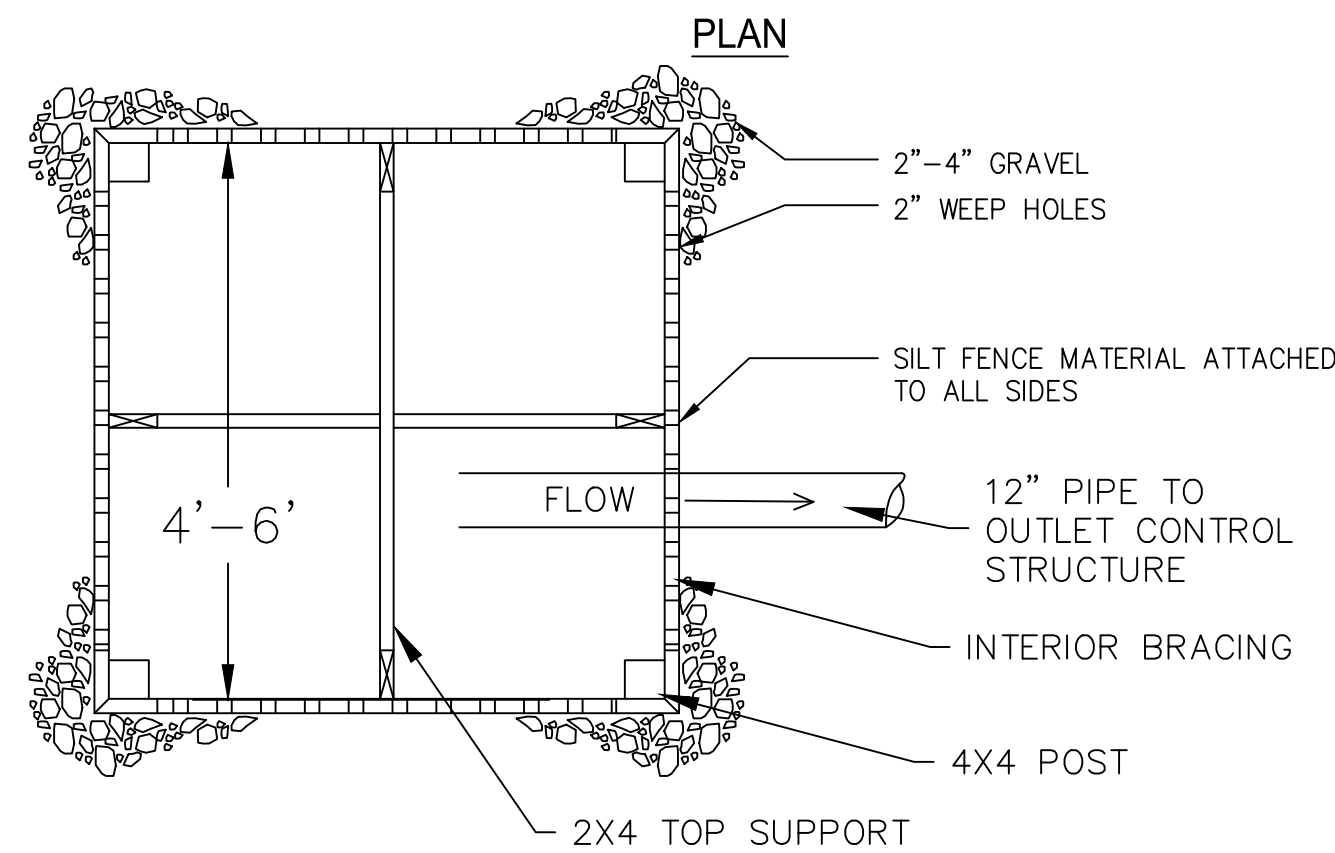
- NOTES:
1.  $L_d$  IS THE LENGTH OF THE RIPRAP APRON.
  2.  $D = 1.5$  TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
  3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
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

**(C) 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. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS 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.

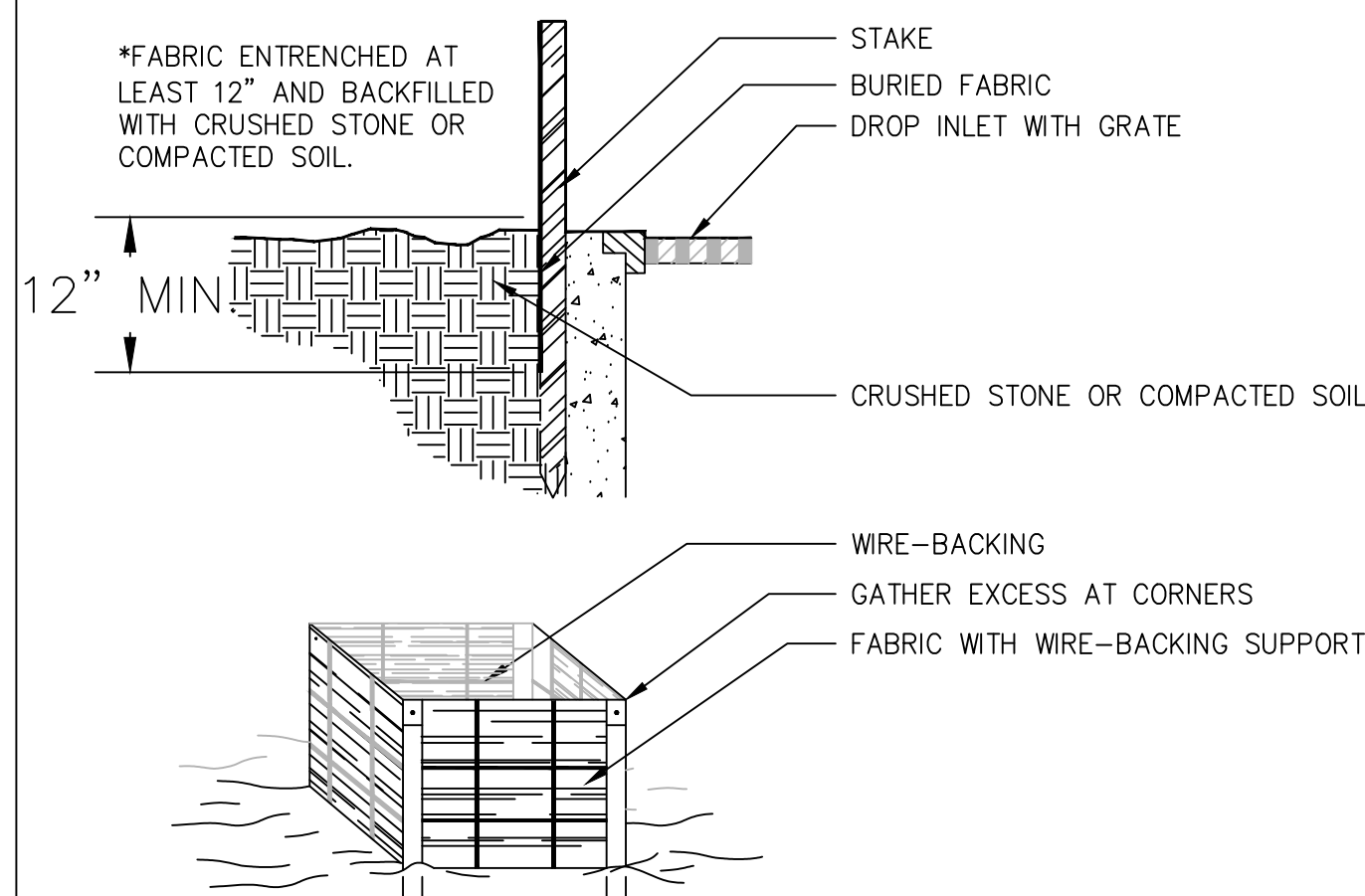
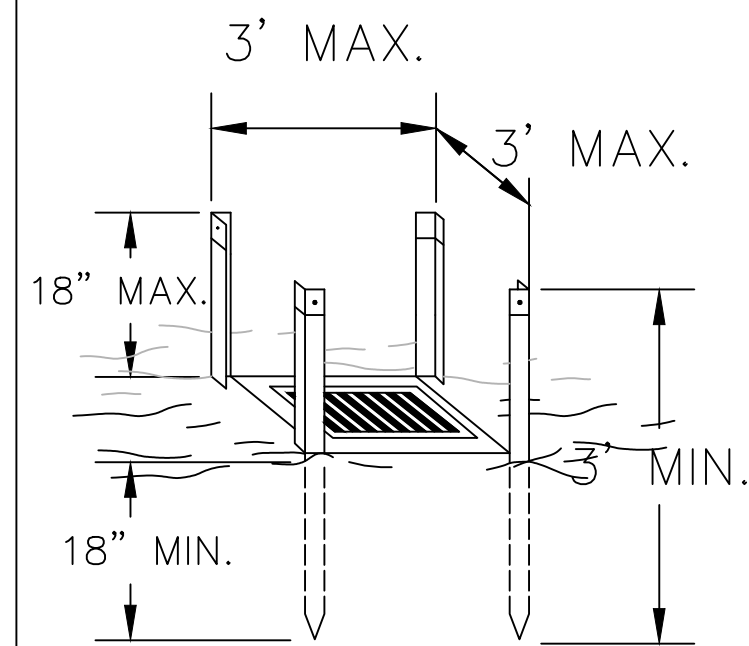
**Sd2-B BAFFLE BOX**



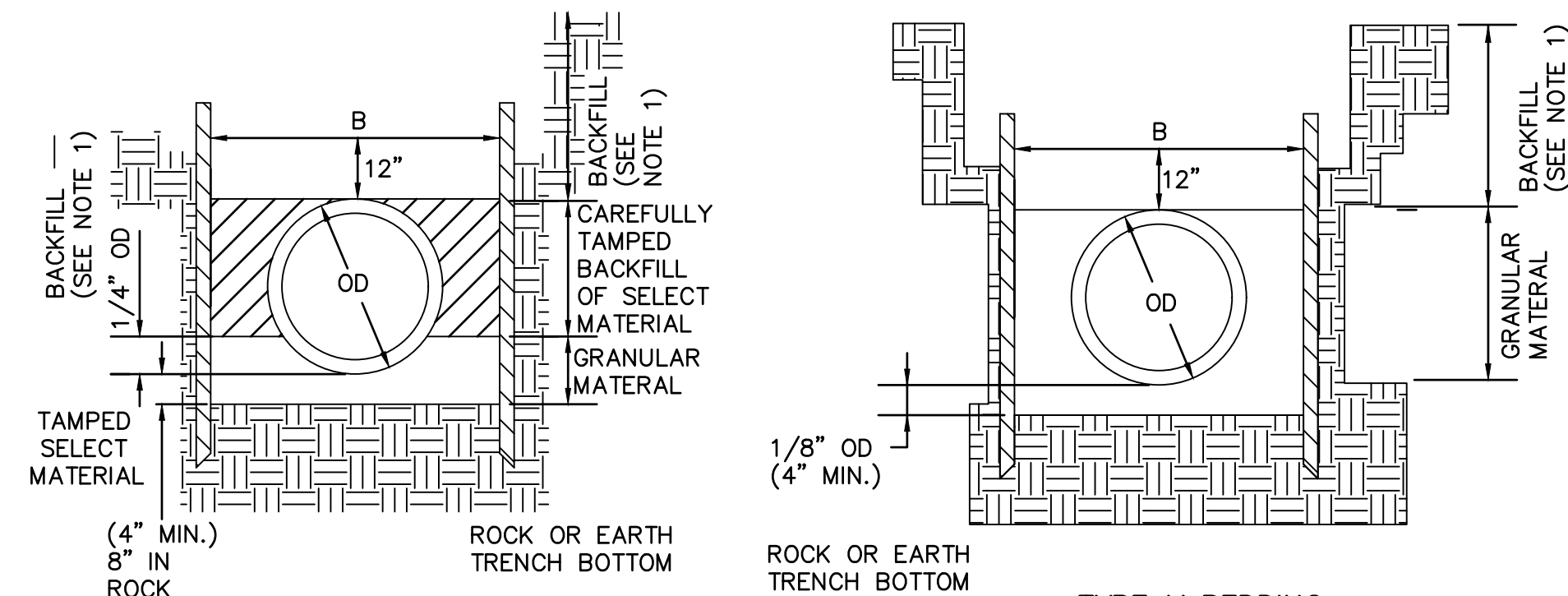
**FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION**

**Sd2-F**

STEEL FRAME AND 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.



**TYPE IV BEDDING**  
GRAVITY SEWER

1. BACKFILL TO BE PLACED IN TRENCH AT 4"-12" LAYERS, AND TAMPED PROPERLY.
2. TYPE III BEDDING EQUALS TYPE IV BEDDING FOR GRANULAR MATERIAL.
3. WHEN PIPE TRENCH PARALLELS ROADWAY AND IS UNDERNEATH PROPOSED ROADWAY, THE 12" OF BACKFILL SHALL BE CRUSHER RUN.
4. ALL TRENCH CONSTRUCTION TO BE PERFORMED IN ACCORDANCE WITH OSHA REGULATIONS.
5. ALL PIPE BEDDING SHALL CONFORM TO GEORGIA DEPT. OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.

**TYPE V BEDDING**  
HDPE UNDER PAVEMENT AND ON LEVEL GROUND

I.D. (IN.)	B (FT.)
18	3.50
21	3.70
24	4.00
27	4.71
30	5.00
36	5.58
42	6.25
48	6.83

B=MAXIMUM WIDTH OF TRENCH AT POINT 12" ABOVE TOP OF PIPE.

**PIPE BEDDING DETAILS**  
NTS

**DON BAKER ENGINEERING**

89 GRANDWATER DRIVE  
SUWANEE, GA 30024  
770-403-4527

**FIRE STATION FOR  
UNION COUNTY, GA**

**EROSION CONTROL  
AND GENERAL  
DETAILS**

**STAMP**  
DONALD W. BAKER  
PROFESSIONAL ENGINEER  
No. 17688  
4/28/2022

**4/28/2022**  
DATE  
**2022.51**  
JOB NUMBER  
z:\projects  
FILE LOCATION

**D1**

**DONALD W. BAKER**  
LEVEL II CERTIFIED DESIGN PROFESSIONAL  
CERTIFICATION NO. 12796  
EXPIRES 8/1/2024

REVISION

SHEET

PATH & FILE: F:\Projects\2022\2022.51 Fire Station\Design Stage\Base Fire station\71622



Revisions		
No.	Date	Description
06.27.22		ISSUED
07.18.22		REVISION 1



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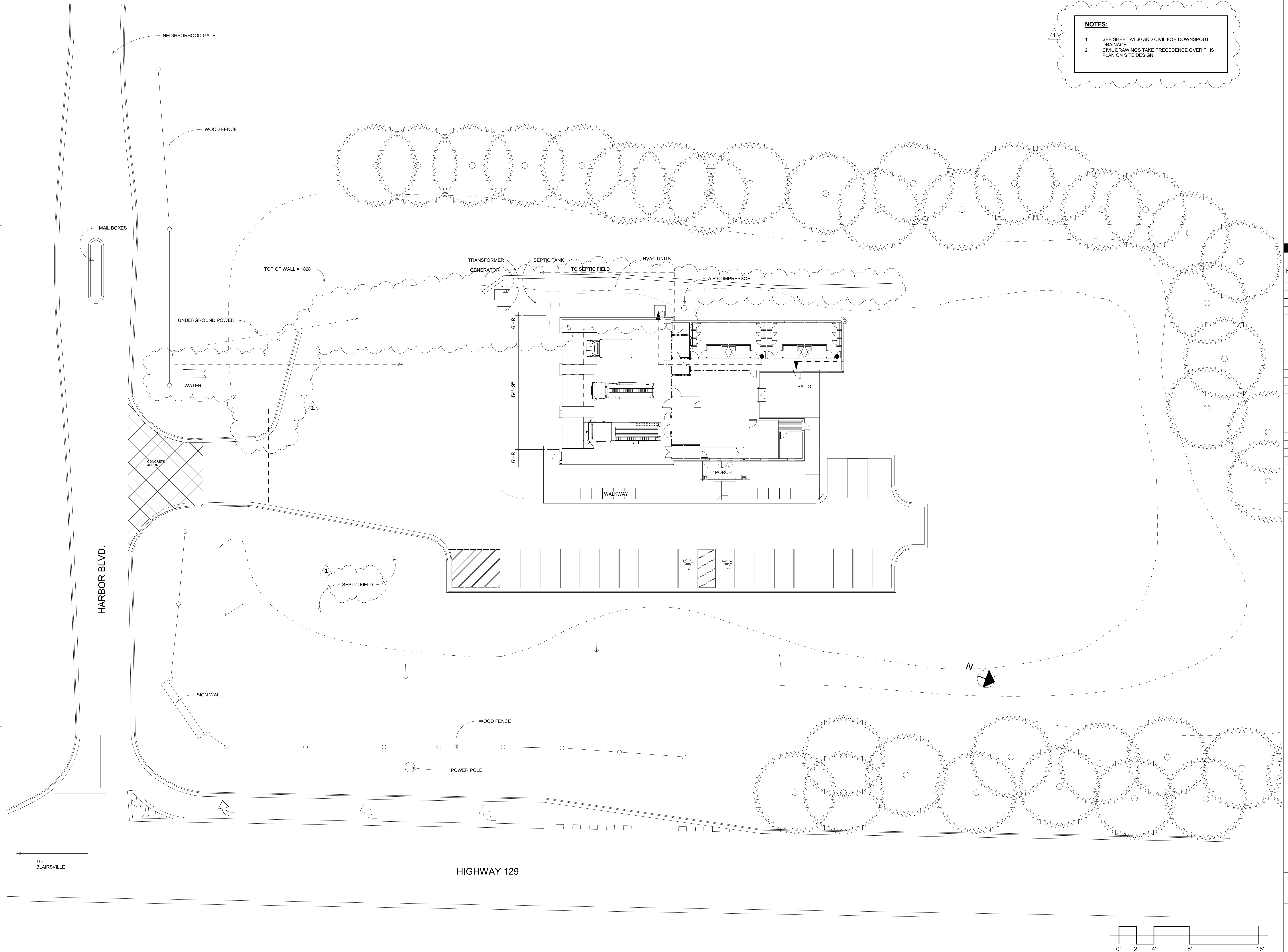
20112

ARCHITECTURAL  
SITE PLAN

A0.30

**NOTES:**

1. SEE SHEET A1.30 AND CIVIL FOR DOWNSPOUT DRAINAGE.
2. CIVIL DRAWINGS TAKE PRECEDENCE OVER THIS PLAN ON SITE DESIGN.





Revisions

No.	Date	Description
	06.27.22	Issued
1	07.18.22	Revision 1
2	08.30.22	Revision 2



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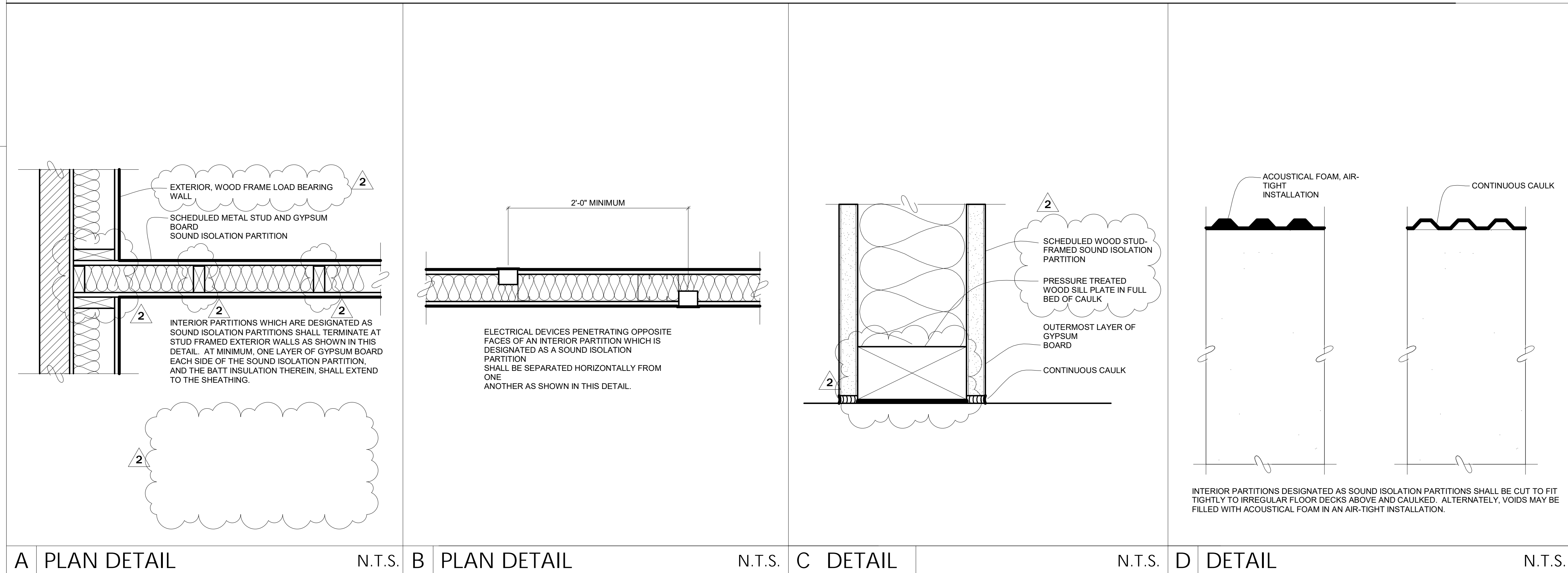
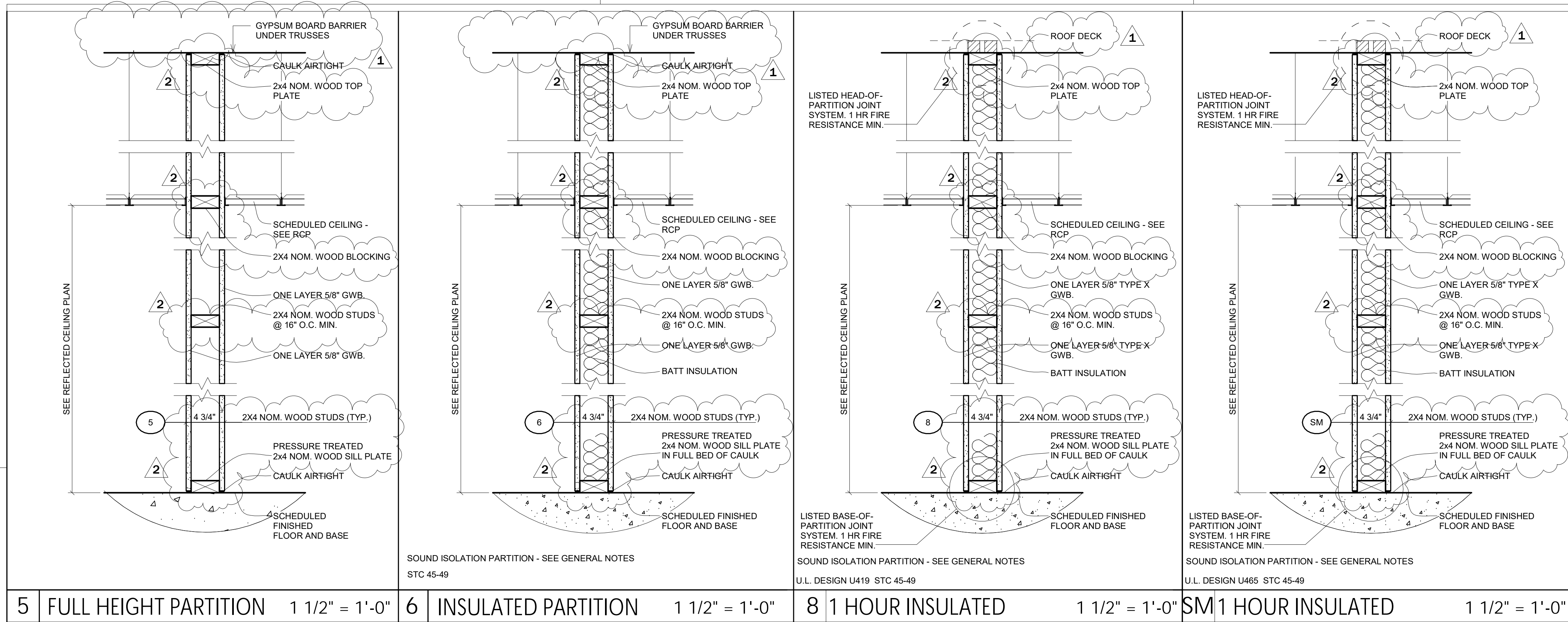
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PARTITION DETAILS

A0.50





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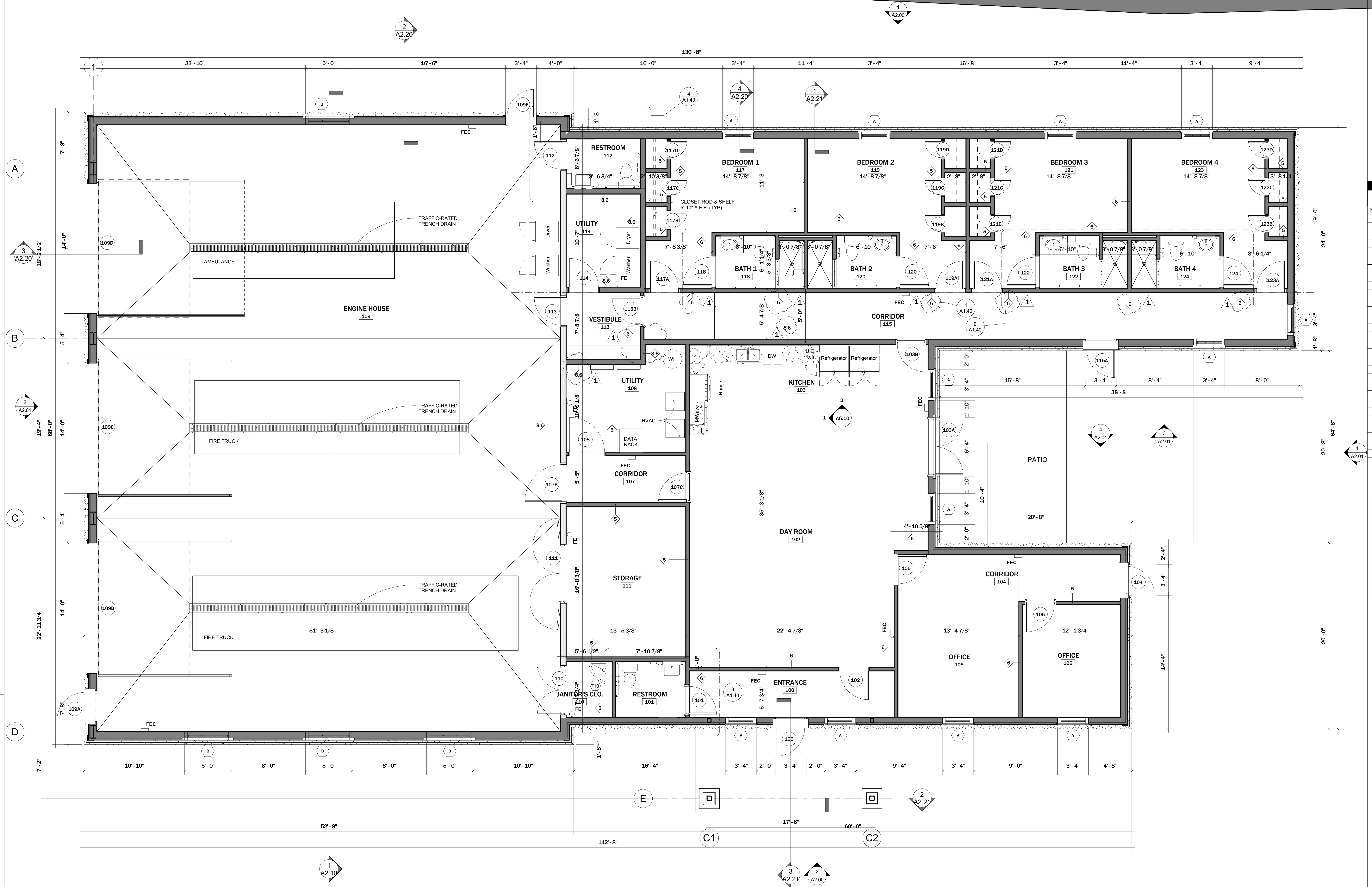
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FLOOR PLAN

A1.10





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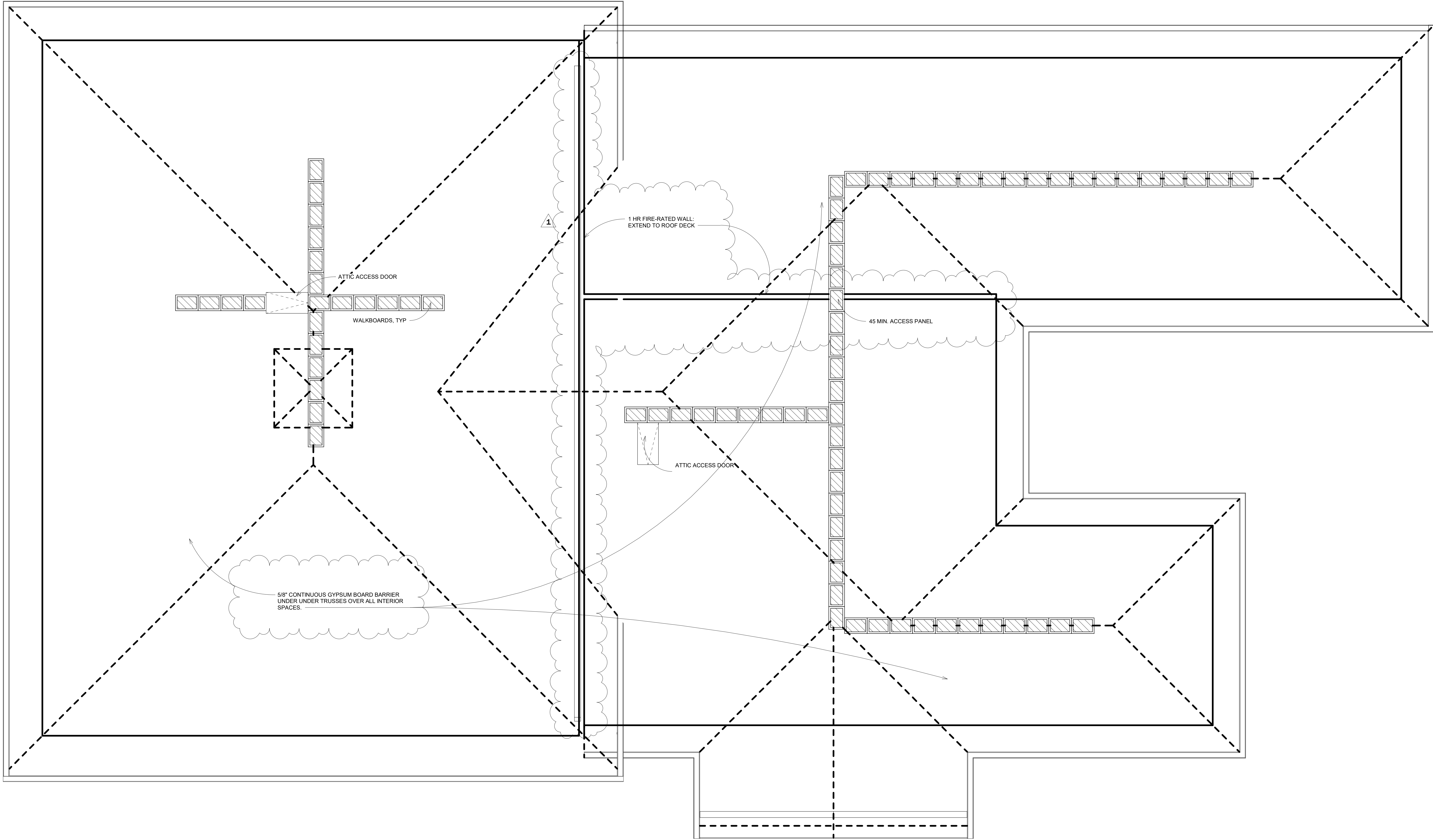
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ATTIC PLAN

A1.15





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REFLECTED CEILING  
PLAN

## A1.20



Harbor Boulevard  
at  
Murphy Highway  
Clairsville, Georgia  
30512

Revisions	
Date	Description
06.27.22	ISSUED
07.18.22	REVISION 1

Revisions	
Date	Description
06.27.22	ISSUED
07.18.22	REVISION 1

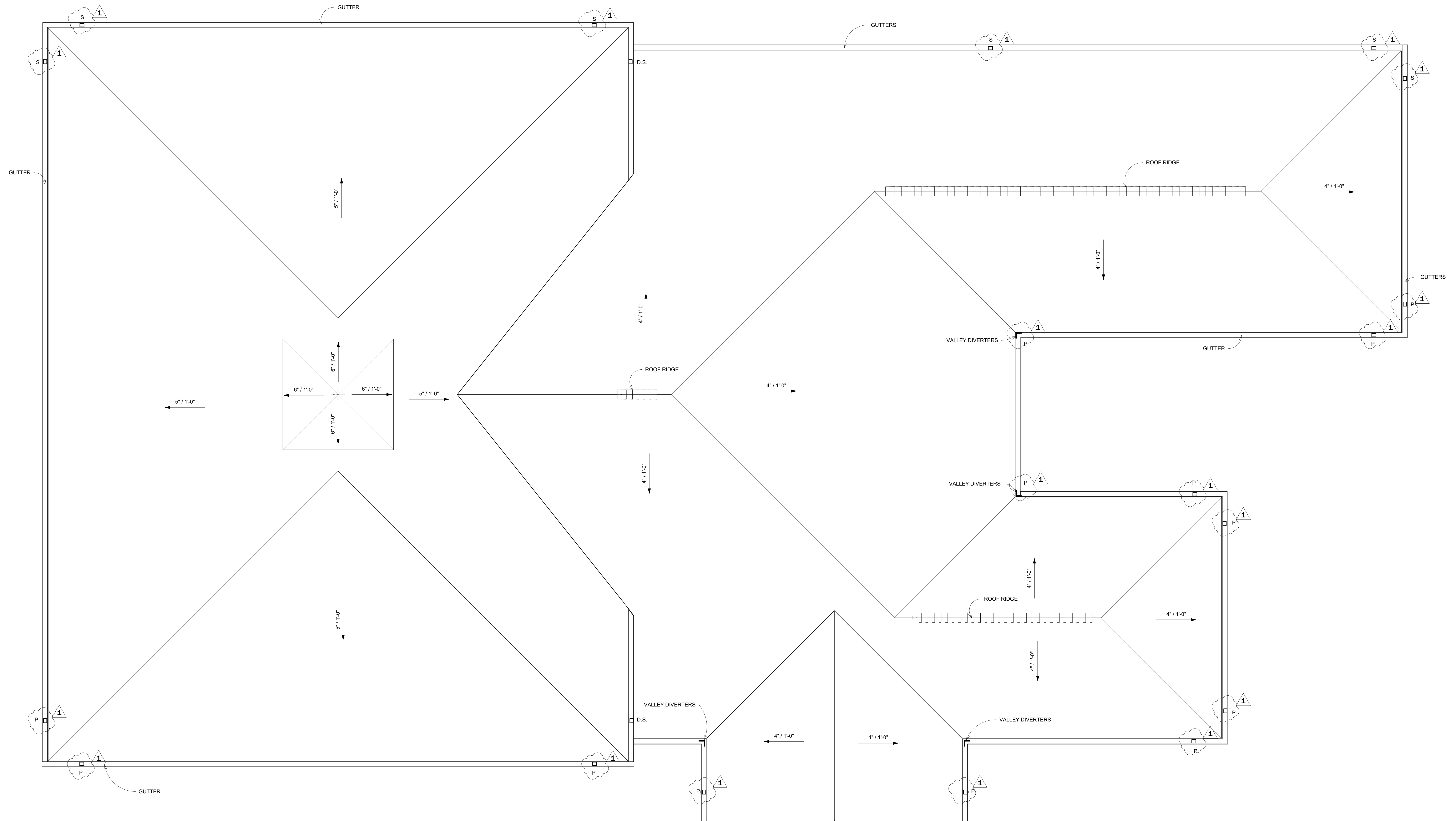


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## ROOF PLAN

A1.30



P = CONNECT TO PIPE: SEE CIVIL

S = SPLASH PAD WITH SURFACE FLOW TO SWALE



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at  
Murphy Highway  
Clairsville, Georgia  
30512

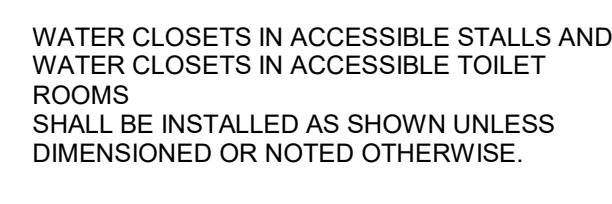
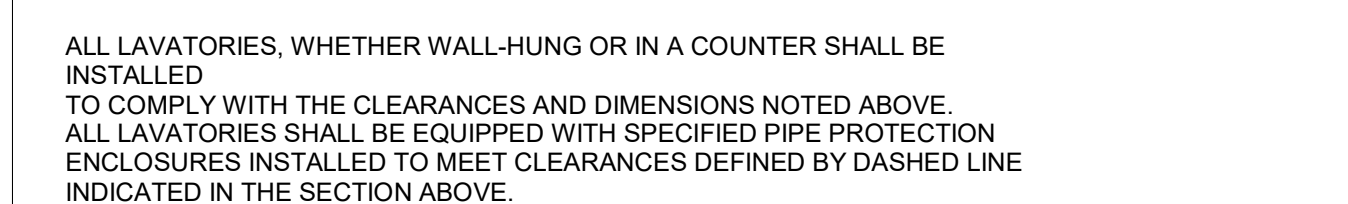


Diagram illustrating the required clearances and dimensions for a wheelchair accessible water fountain:

- Clearance:** 4'-0" MAX.
- Water Dispenser:** 18" MAX, 16" MIN.
- Water Dispenser Height:** 24" MIN, 12" MIN.
- Water Dispenser Width:** 2'-10" MIN.
- Water Dispenser Depth:** 1'-12" MIN CLEARANCE.
- Water Dispenser Label:** AT WHEELCHAIR ACCESSIBLE WATER.
- FLOOR:** Indicated by a line and the word FLOOR.



T07	SEAT COVER DISPENSER
T08	36" WIDE VINYL SHOWER CURTAIN & R
T09	RECESSED SOAP DISH
T10	MOP RACK
T11	TOWEL HOOK
T12	ADA SHOWER SEAT



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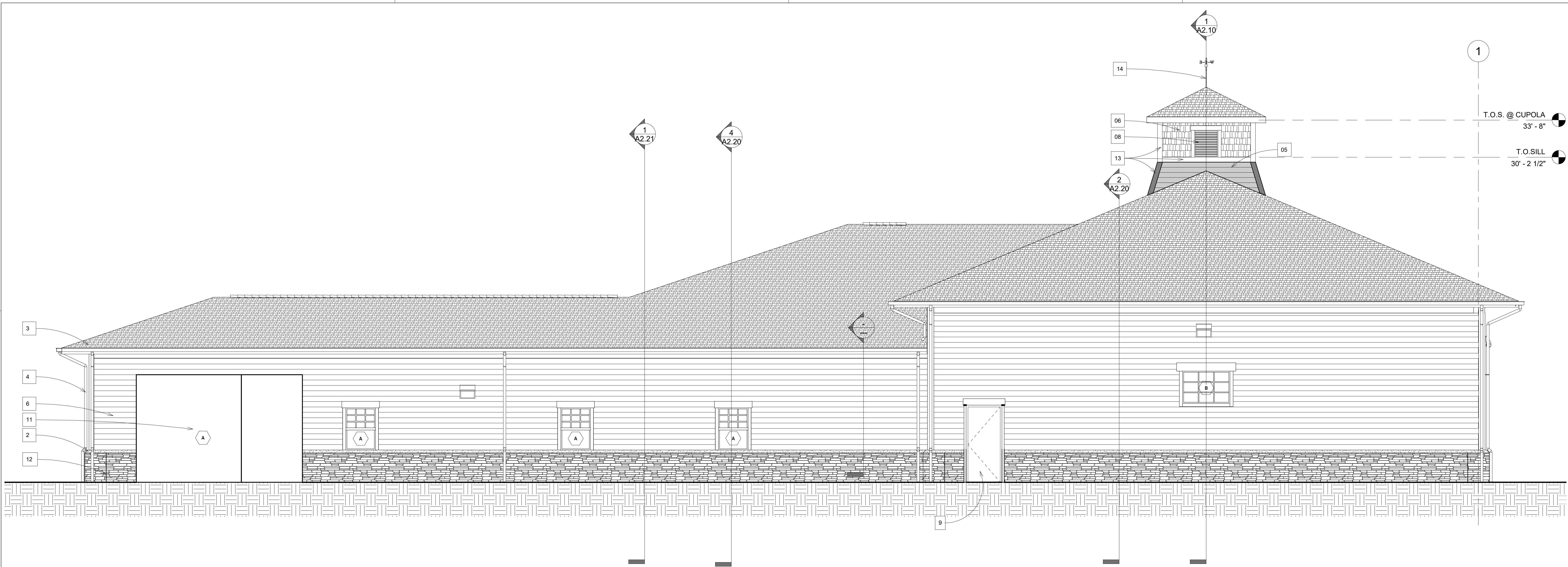
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ENLARGED PLANS

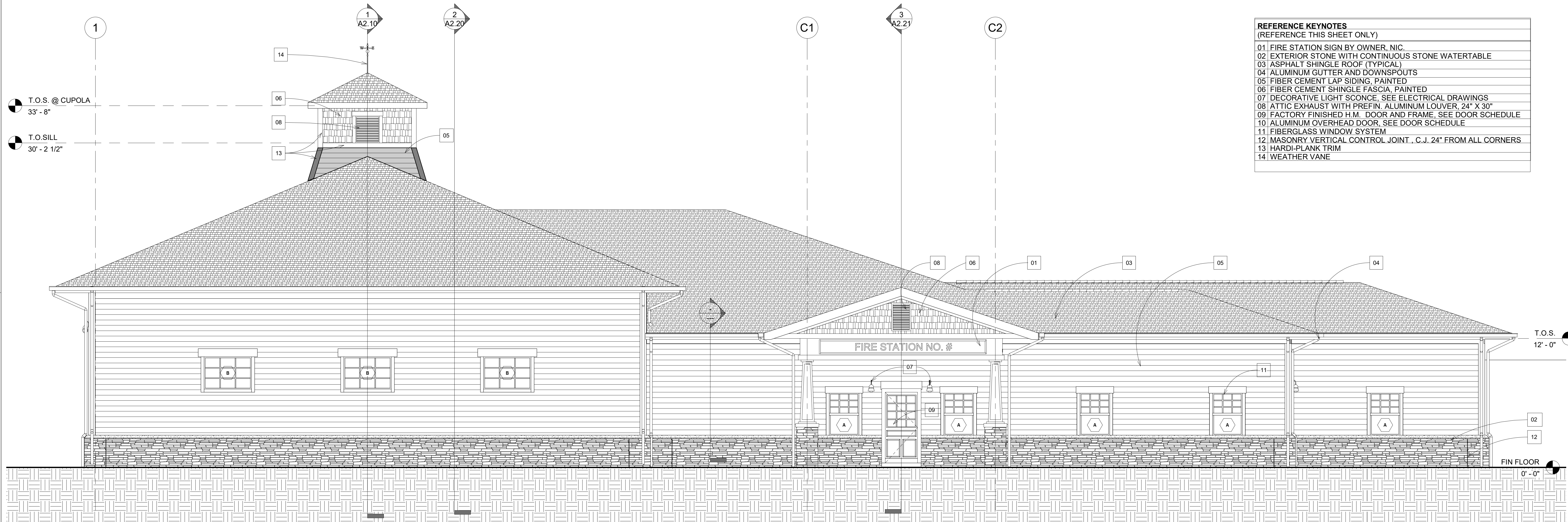


Revisions		
No.	Date	Description
06.27.22		ISSUED



1 Southwest Elevation

1/4" = 1'-0"



REFERENCE KEYNOTES (REFERENCE THIS SHEET ONLY)	
01	FIRE STATION SIGN BY OWNER, NIC.
02	EXTERIOR STONE WITH CONTINUOUS STONE WATERTABLE
03	ASPHALT SHINGLE ROOF (TYPICAL)
04	ALUMINUM GUTTER AND DOWNSPOUTS
05	FIBER CEMENT LAP SIDING, PAINTED
06	FIBER CEMENT SHINGLE FASCIA, PAINTED
07	DECORATIVE LIGHT SCONCE, SEE ELECTRICAL DRAWINGS
08	ATTIC EXHAUST WITH PREFIN. ALUMINUM LOUVER, 24" X 30"
09	FACTORY FINISHED H.M. DOOR AND FRAME, SEE DOOR SCHEDULE
10	ALUMINUM OVERHEAD DOOR, SEE DOOR SCHEDULE
11	FIBERGLASS WINDOW SYSTEM
12	MASONRY VERTICAL CONTROL JOINT, C.J. 24" FROM ALL CORNERS
13	HARDI-PLANK TRIM
14	WEATHER VANE



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EXTERIOR  
ELEVATIONS

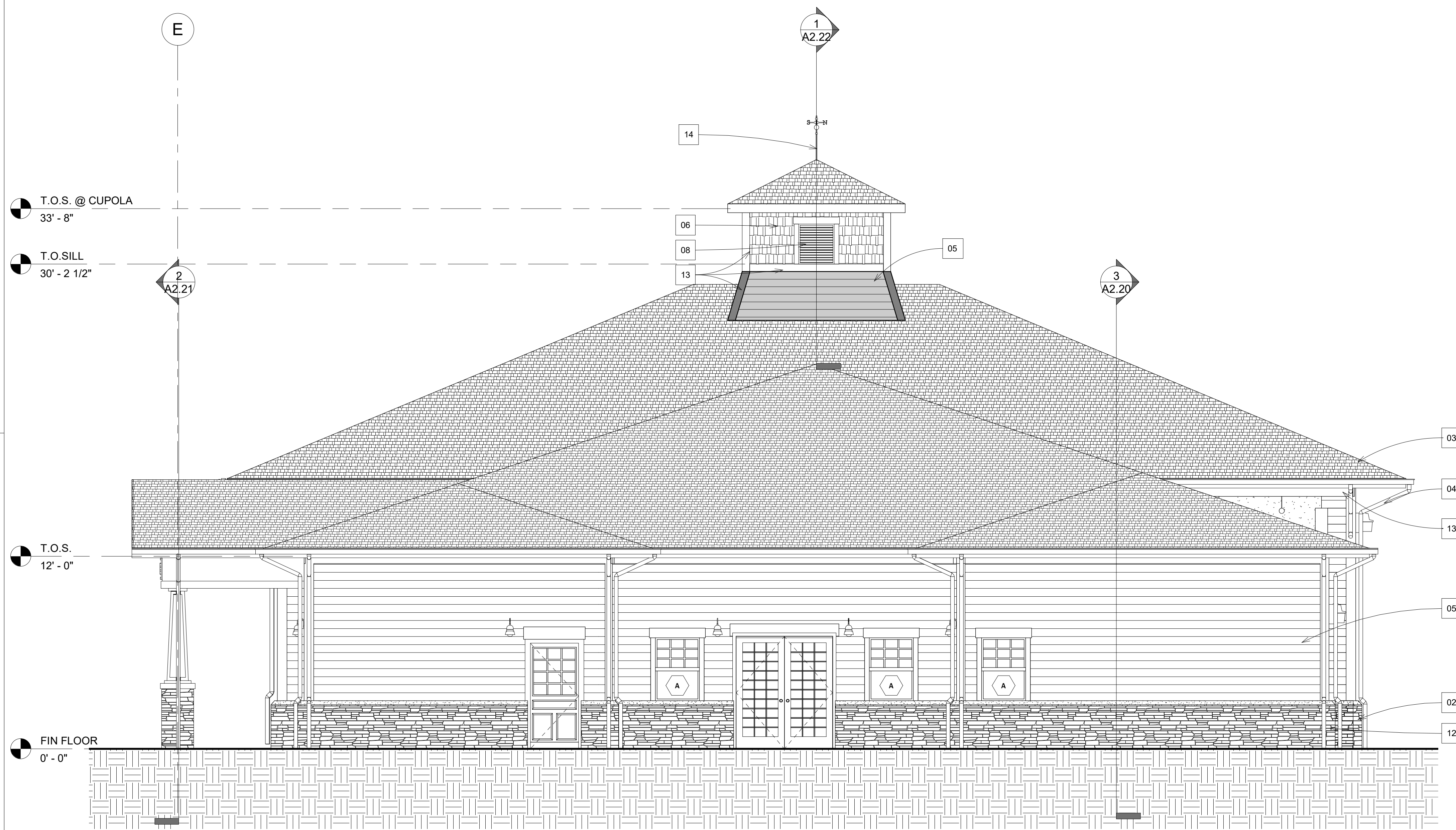
A2.00

2 Northeast Elevation

1/4" = 1'-0"



Revisions		
No.	Date	Description
1	06.27.22	ISSUED



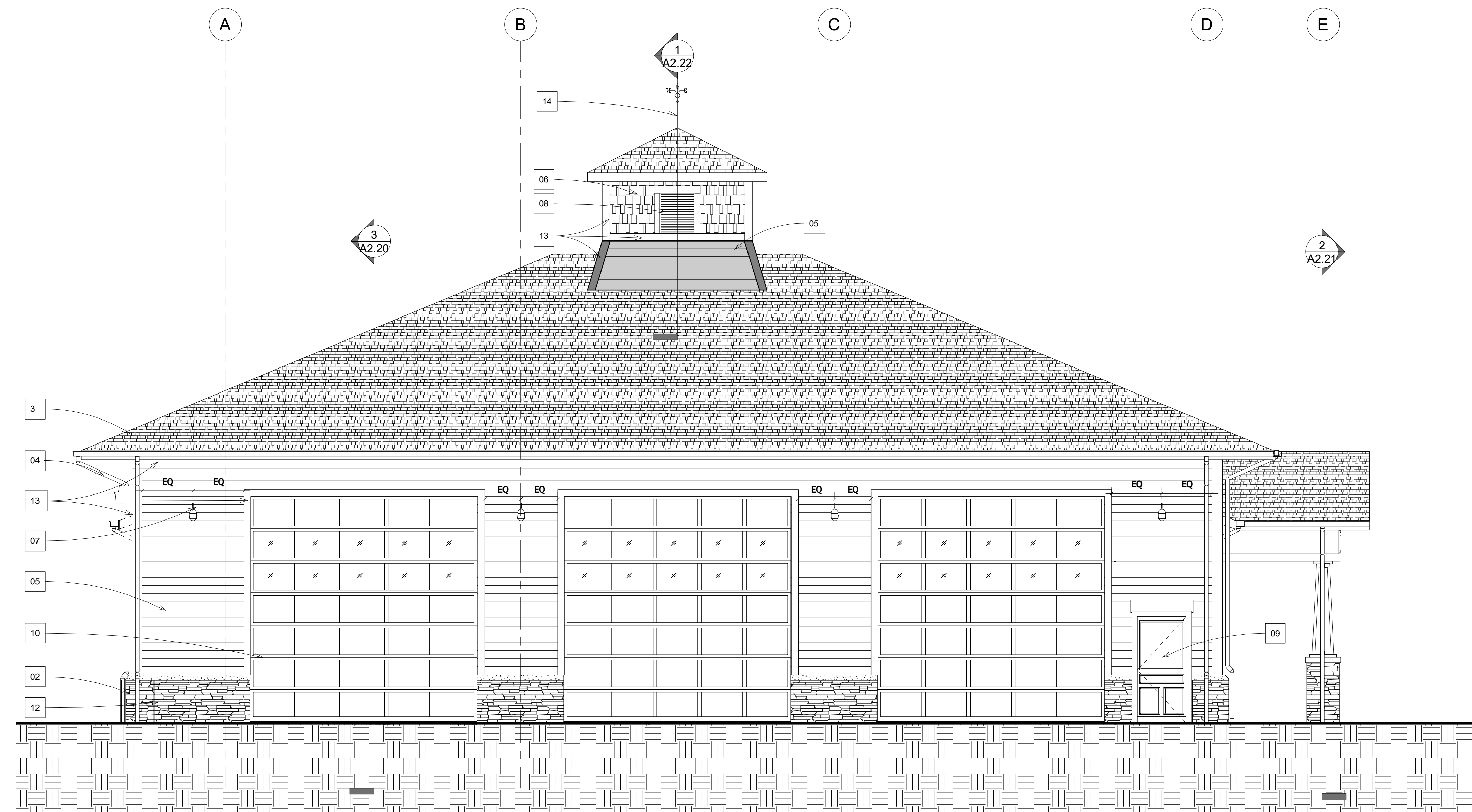
1 Northwest Elevation

1/4" = 1'-0"



3 Northeast Elevation @ Patio

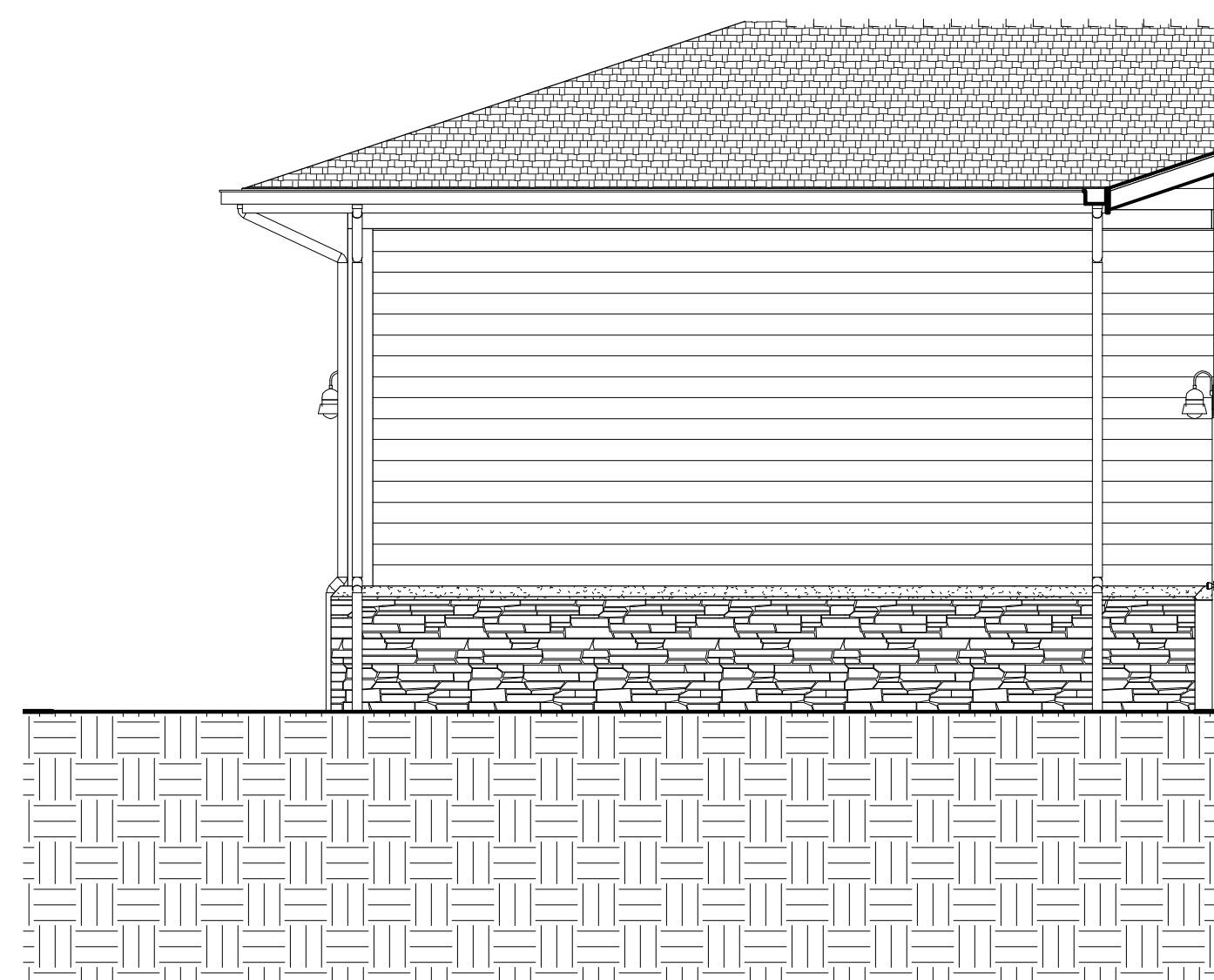
1/4" = 1'-0"



2 Southeast Elevation

1/4" = 1'-0"

REFERENCE KEYNOTES (REFERENCE THIS SHEET ONLY)	
01	FIRE STATION SIGN BY OWNER, N.C.
02	EXTERIOR STONE WITH CONTINUOUS STONE WATERTABLE
03	ASPHALT SHINGLE ROOF (TYPICAL)
04	ALUMINUM GUTTER AND DOWNSPOUTS
05	FIBER CEMENT LAP SIDING, PAINTED
06	FIBER CEMENT SHINGLE FASCIA, PAINTED
07	DECORATIVE LIGHT SCENCE, SEE ELECTRICAL DRAWINGS
08	ATTIC EXHAUST WITH PREFIN. ALUMINUM LOUVER, 24" X 30"
09	FACTORY FINISHED H.M. DOOR AND FRAME, SEE DOOR SCHEDULE
10	ALUMINUM OVERHEAD DOOR, SEE DOOR SCHEDULE
11	FIBERGLASS WINDOW SYSTEM
12	MASONRY VERTICAL CONTROL JOINT, C.J. 24" FROM ALL CORNERS
13	HARDI-PLANK TRIM
14	WEATHER VANE



4 Southwest Elevation @ Patio

1/4" = 1'-0"



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EXTERIOR  
ELEVATIONS

A2.01



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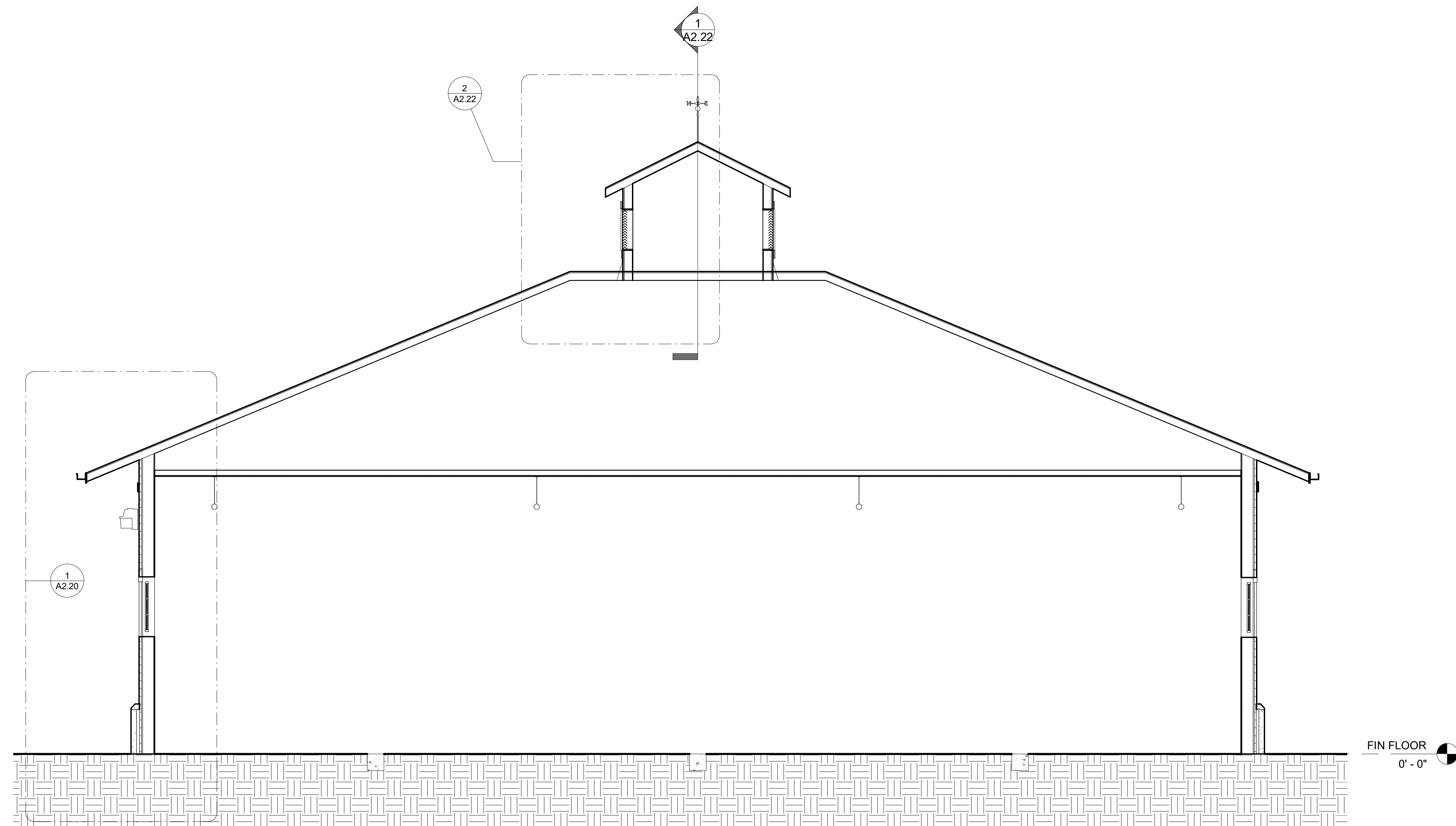
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BUILDING SECTIONS

## A2.10



1	Building Section 1
---	--------------------

$$1/4'' = 1'-0''$$



Revisions

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1	08.30.22	Revision 1



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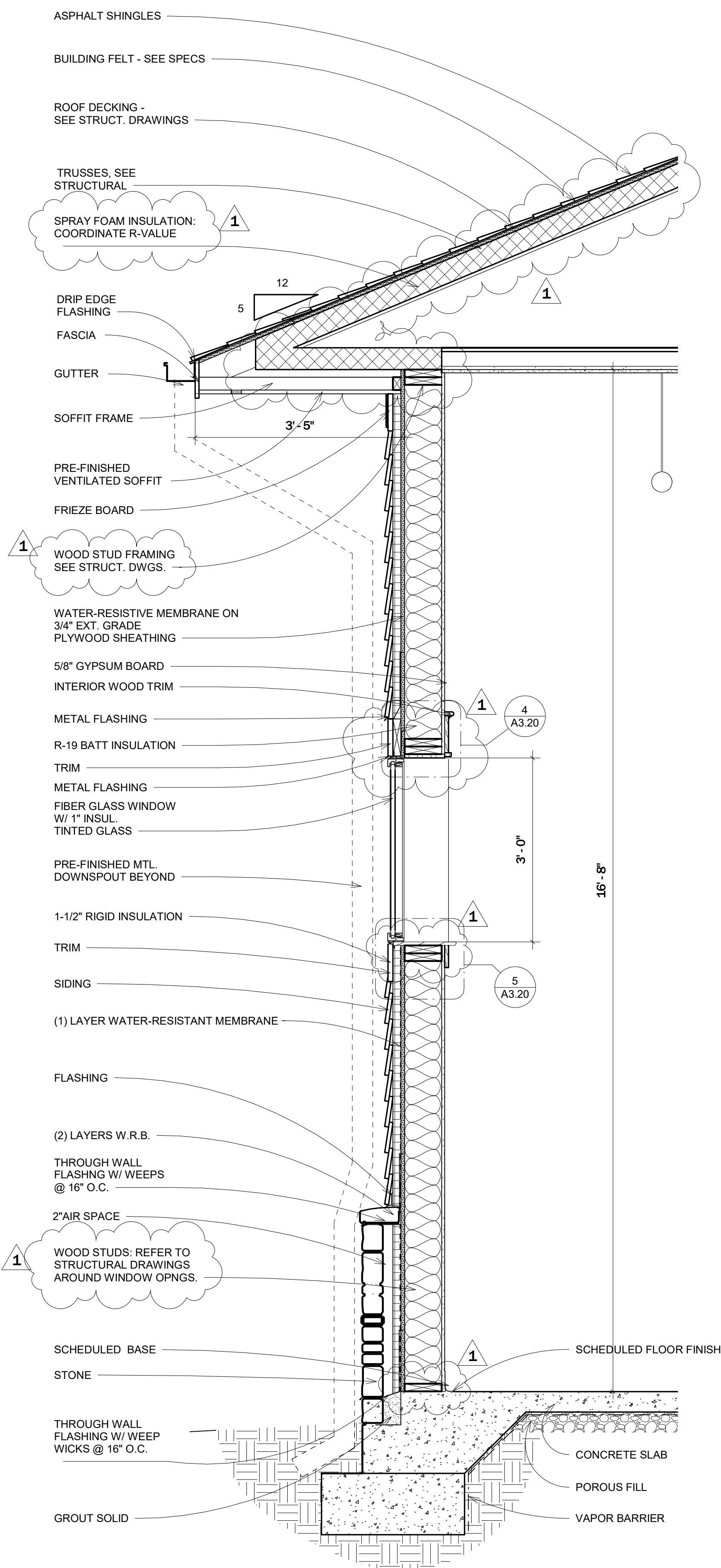
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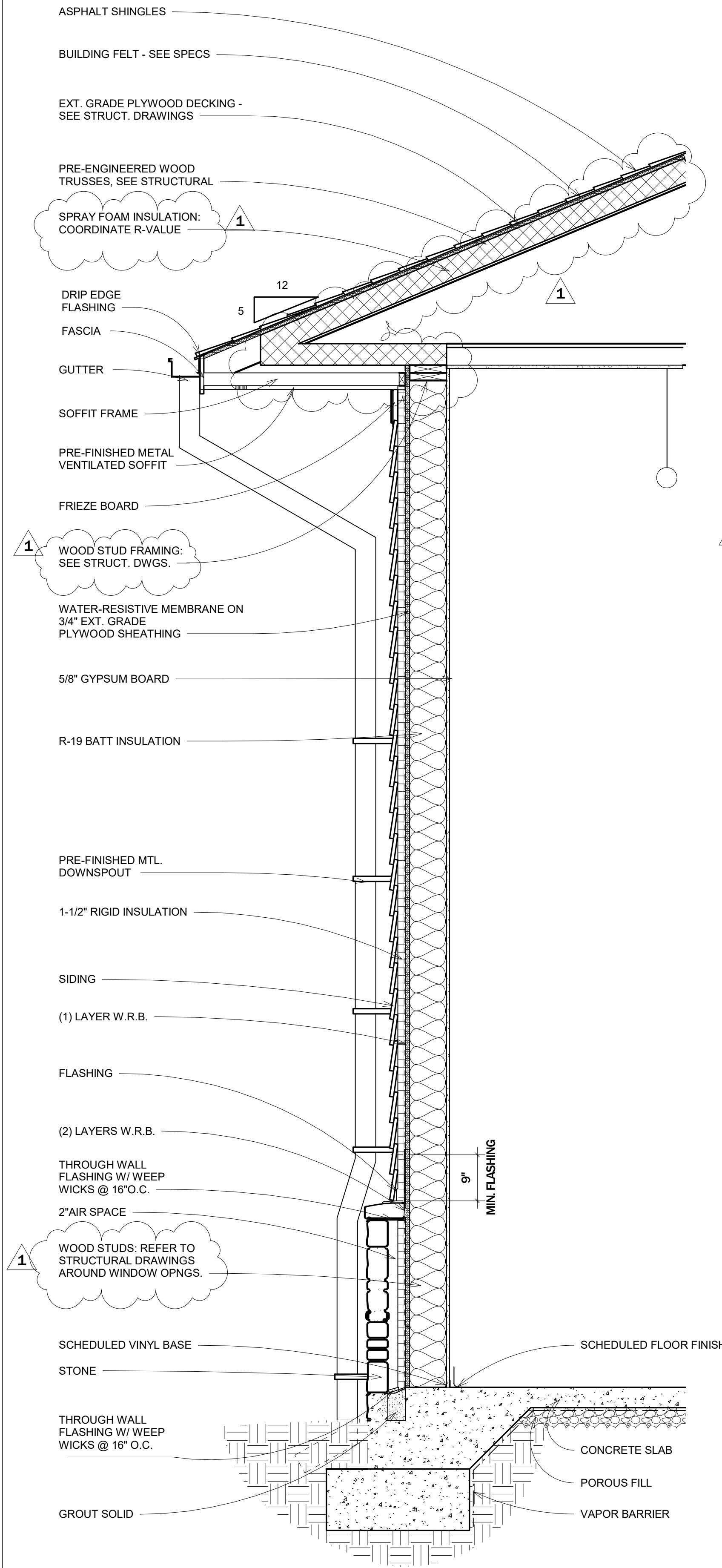
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WALL SECTIONS

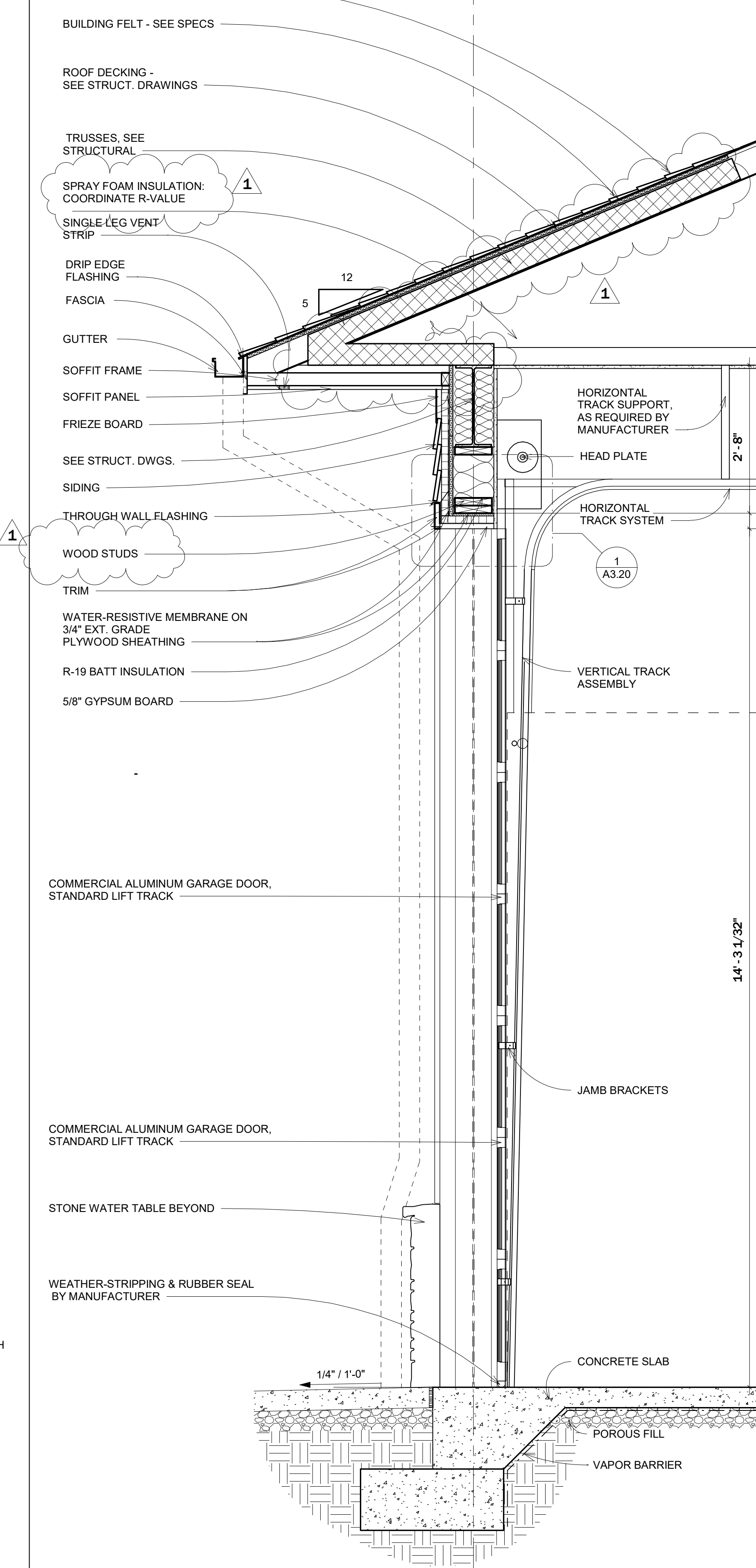
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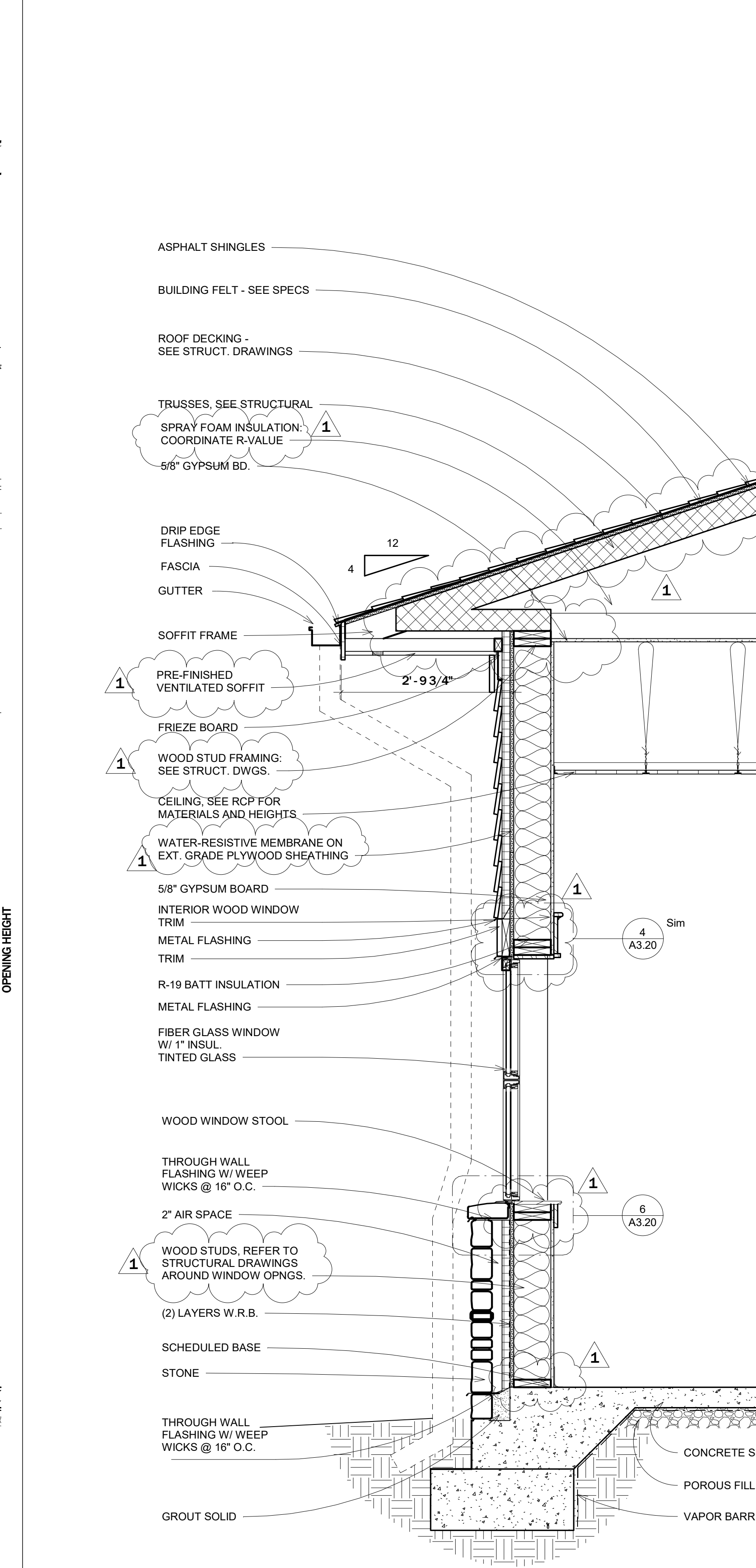
1 WALL SECTION 1 3/4" = 1'-0"



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



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



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



A circular professional seal for Randall Smith, a Professional Engineer in the State of Georgia. The seal features the text "GEORGIA REGISTERED PROFESSIONAL ENGINEER" around the top and "RANDALL SMITH ARCHITECT" around the bottom. In the center, it says "No. 003949". The seal is stamped over a handwritten signature and the word "B." is written to the left of the seal.

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## WALL SECTIONS

A2.21





Harbor Boulevard at  
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WALL SECTIONS

A2.22



Harbor Boulevard at  
Murphy Highway  
Clairsville, Georgia  
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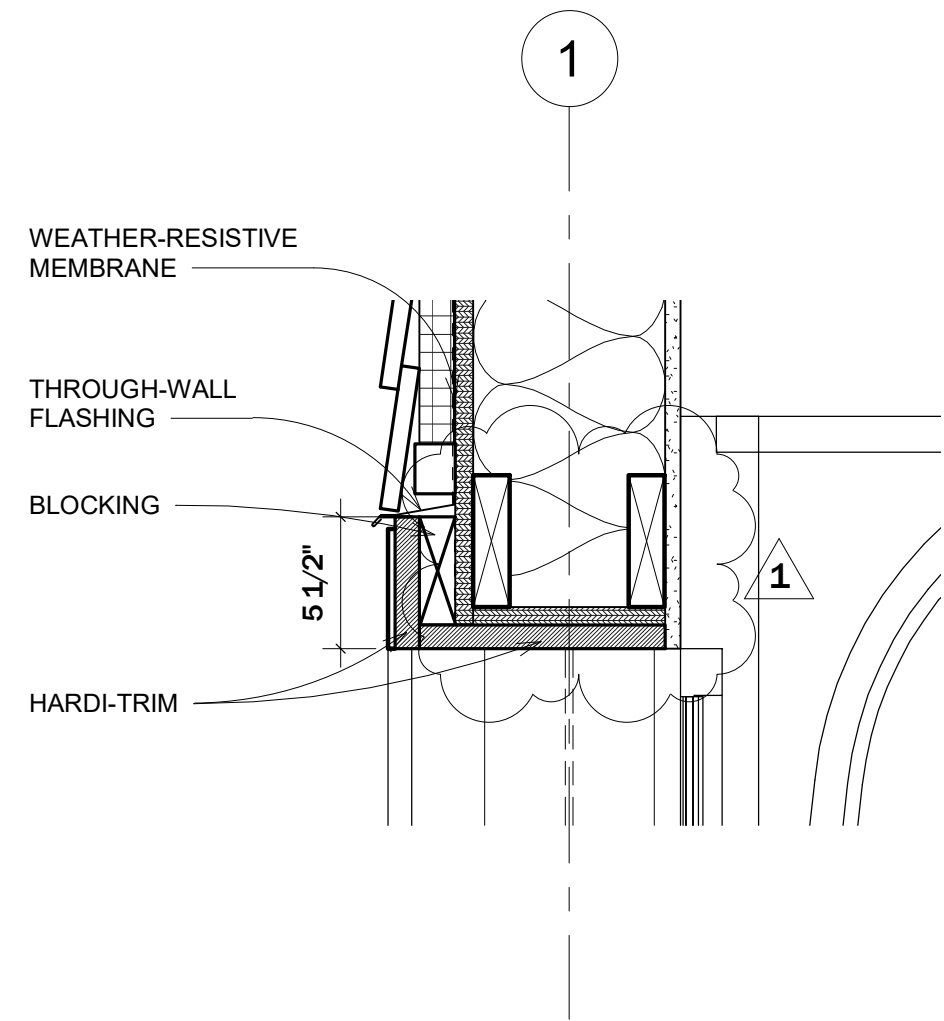
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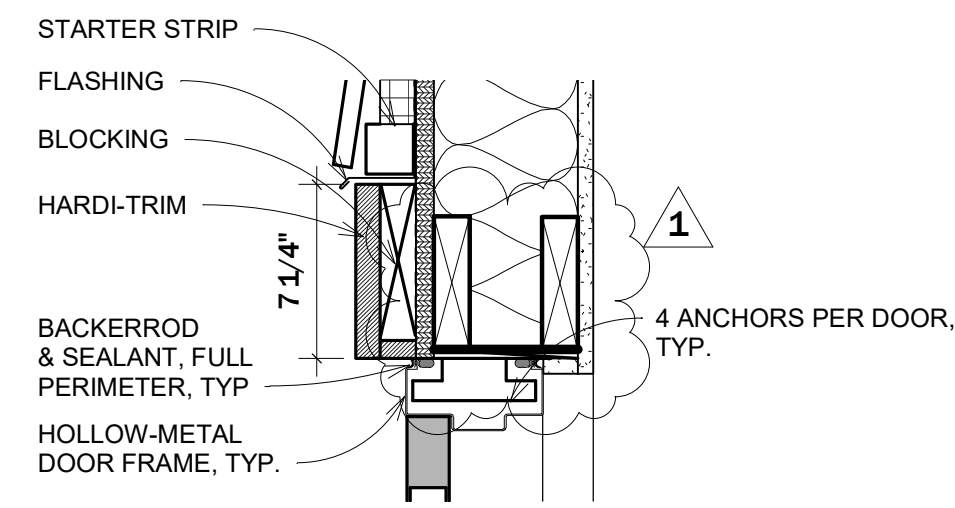
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## SECTION DETAILS - TYPICAL EXTERIOR DETAILS

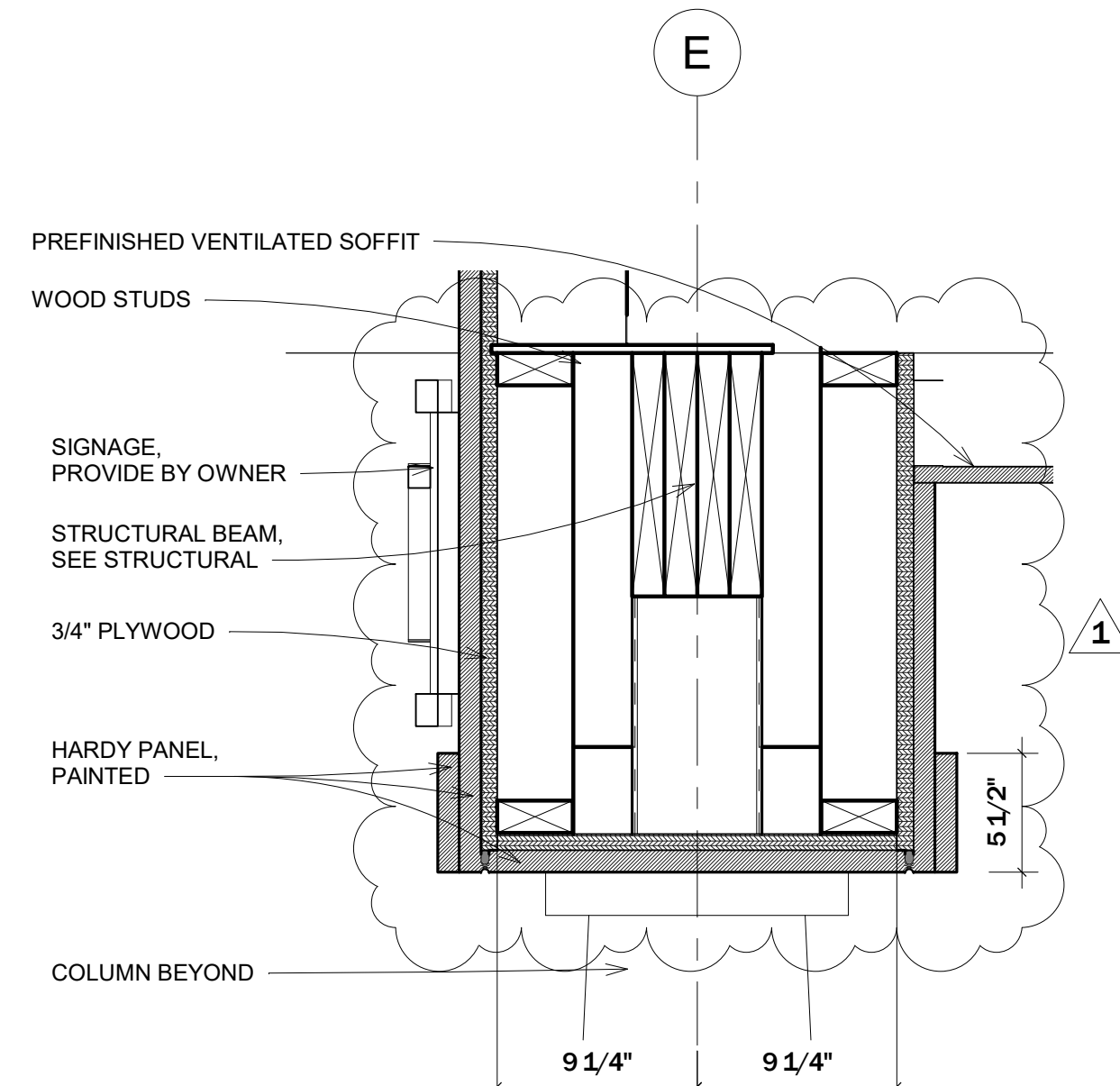
A3.20



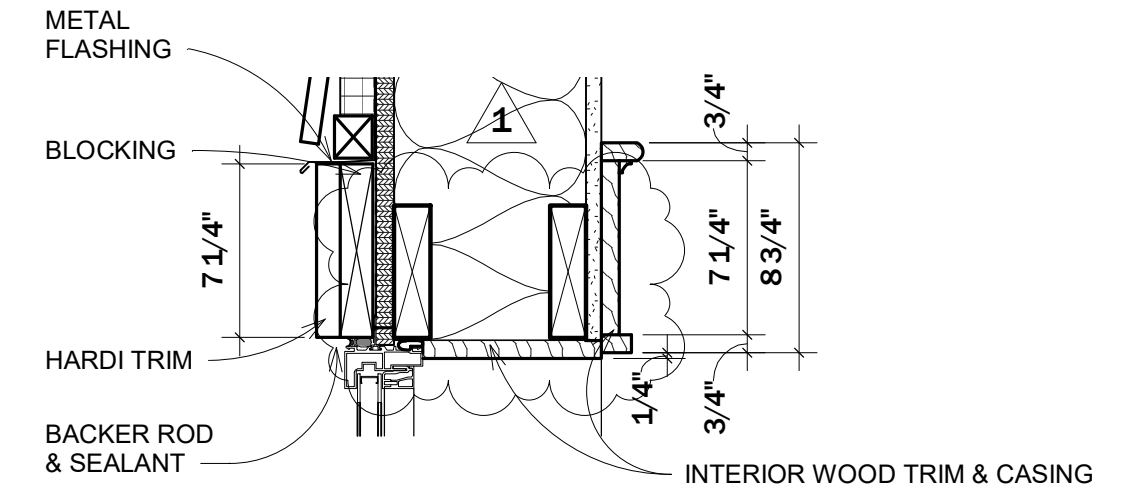
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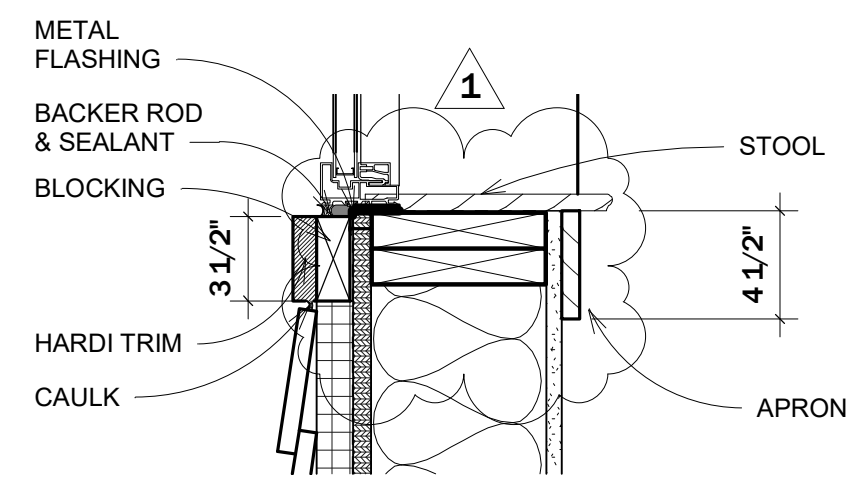
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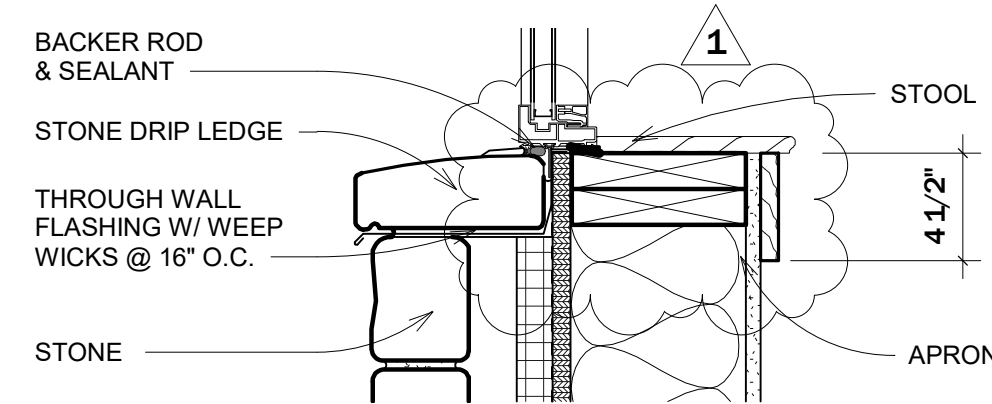
3	Detail 3	1 1/2" = 1'-0"
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4	Detail 4	1 1/2" = 1'-0"
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5	Detail 5	1 1/2" = 1'-0"
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6 Detail 6 1 1/2" = 1'-0"

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Date	Description
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07.18.22	REVISION 1

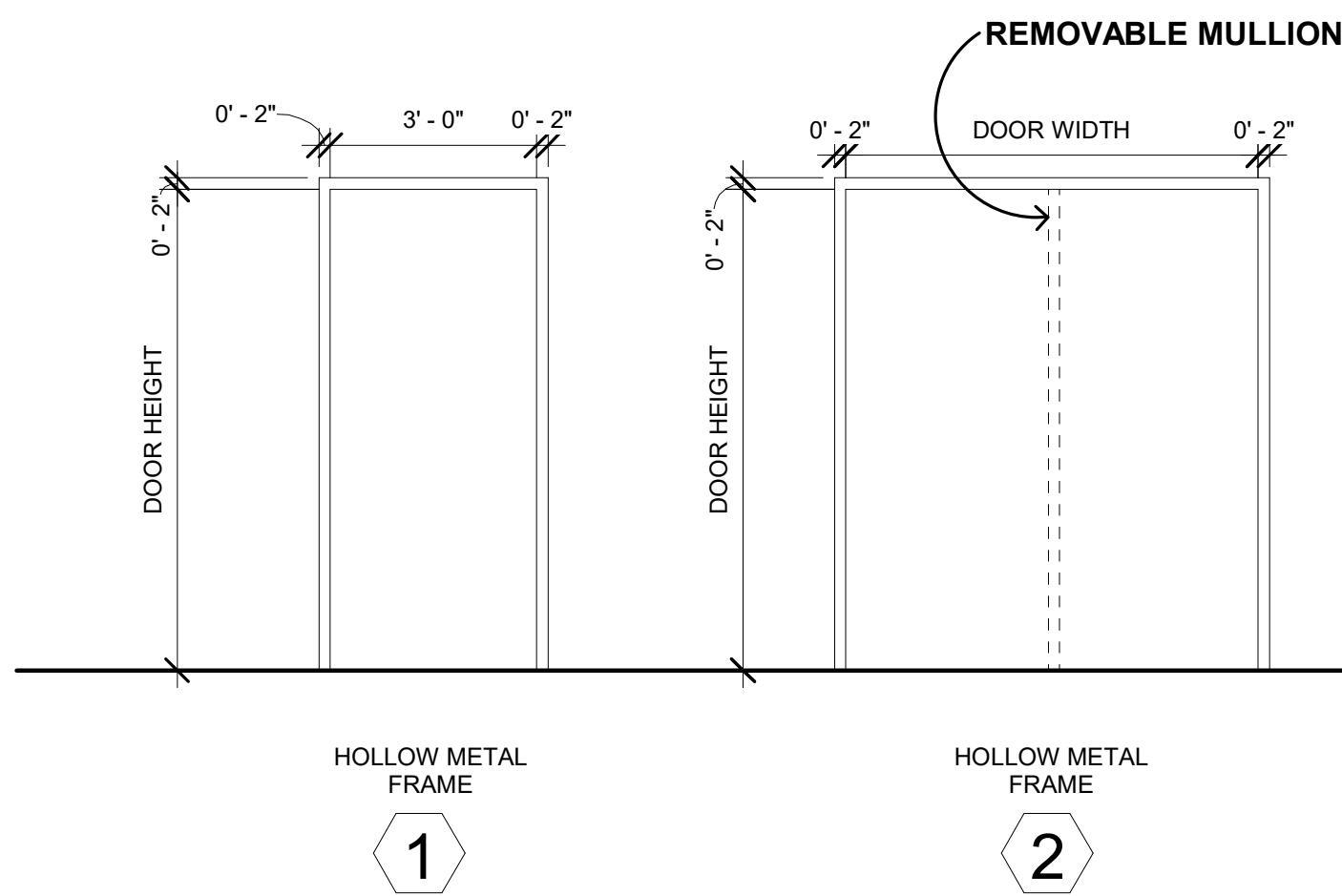
DOOR AND FRAME SCHEDULE																
MARK	ROOM	PR	DOOR				FRAME				Fire Rating	DETAIL			HARD WARE SET	NOTES
			W	H	T	Material/ Construction	Elevation/ Glazing	Material/ Construction	Elevation	HEAD		JAMB	SILL			
100	ENTRANCE		3' - 0"	7' - 0"	0" - 1 3/4"	HM	HL	HM	1							3.0
101	RESTROOM		3' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		16.0
102	DAY ROOM		3' - 4"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		10.0
103A	KITCHEN		6' - 0"	7' - 0"	0" - 1 3/8"	HM	FLT	HM	2				2/A3.20			1.0
103B	KITCHEN		3' - 0"	7' - 0"	0" - 1 3/4"	SCWD	136	HM	1		1	45 MIN	2200H	2200J	1	6.0
104	CORRIDOR		3' - 0"	7' - 0"	0" - 1 3/4"	HM	HL	HM	1				2/A3.20			4.0
105	OFFICE		3' - 4"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		10.0
106	OFFICE		3' - 0"	7' - 0"	0" - 1 3/4"	SCWD	VL	HM	1				2200H	2200J		13.0
107B	CORRIDOR		4' - 0"	7' - 0"	0" - 1 3/4"	HM	FLU	HM	1		1	45 MIN				6.0
107C	CORRIDOR		3' - 0"	7' - 0"	0" - 1 3/4"	SCWD	VL	HM	1				2200H	2200J		9.0
108	UTILITY		4' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		14.0
109A	ENGINE HOUSE		3' - 0"	7' - 0"	0" - 1 3/4"	HM	FLU-EM	HM	1				2/A3.20			2.0
109B	ENGINE HOUSE		0' - 0"	0' - 0"	0' - 0"	ALU	OVHD	--	--							17.0
109C	ENGINE HOUSE		0' - 0"	0' - 0"	0' - 0"	ALU	OVHD	--	--							17.0
109D	ENGINE HOUSE		0' - 0"	0' - 0"	0' - 0"	ALU	OVHD	--	--							17.0
109E	ENGINE HOUSE		3' - 0"	7' - 0"	0" - 1 3/4"	HM	FLU	HM	1				2/A3.20			2.0
110	STORAGE		2' - 6"	7' - 0"	0" - 1 3/4"	HM	FLU	HM	2		1	45 MIN				5.0
111	STORAGE		6' - 0"	7' - 0"	0" - 1 3/4"	HM	FLU	HM	2		1	45 MIN				5.0
112	RESTROOM		3' - 0"	7' - 0"	0" - 1 3/4"	HM	FLU	HM	1			45 MIN				8.0
113	VESTIBULE		3' - 0"	7' - 0"	0" - 1 3/4"	HM	FLU	HM	1			45 MIN				6.0
114	UTILITY		3' - 4"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		14.0
115A	CORRIDOR		3' - 0"	7' - 0"	0" - 1 3/4"	HM	HL	HM	1				2/A3.20			4.0
115B	CORRIDOR		3' - 0"	7' - 0"	0" - 1 3/4"	SCWD	VL	HM	1							11.0
117A	BEDROOM 1		3' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1		20 MIN		2200H	2200J		7.0
117B	BEDROOM 1		2' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		12.0
117C	BEDROOM 1		2' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		12.0
117D	BEDROOM 1		2' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		12.0
118	BATH 1		3' - 4"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		15.0
119A	BEDROOM 2		3' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1		20 MIN		2200H	2200J		7.0
119B	BEDROOM 2		2' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		12.0
119C	BEDROOM 2		2' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		12.0
119D	BEDROOM 2		2' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		12.0
120	BATH 2		3' - 4"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		15.0
121A	BEDROOM 3		3' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1		20 MIN		2200H	2200J		7.0
121B	BEDROOM 3		2' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		12.0
121C	BEDROOM 3		2' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		12.0
121D	BEDROOM 3		2' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		12.0
122	BATH 3		3' - 4"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		15.0
123A	BEDROOM 4		3' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1		20 MIN		2200H	2200J		7.0
123B	BEDROOM 4		2' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		12.0
123C	BEDROOM 4		2' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		12.0
123D	BEDROOM 4		2' - 0"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		12.0
124	BATH 4		3' - 4"	7' - 0"	0" - 1 3/4"	SCWD	FLU	HM	1				2200H	2200J		15.0

SCWD - SOLID CORE FLUSH WOOD DOOR  
HM - HOLLOW METAL  
SF - STOREFRONT OR CURTAIN WALL  
HR - HOUR  
MIN - MINUTE  
PR - PAIR  
ALUM - ALUMINUM  
MANUF - MANUFACTURER  
ELEV - ELEVATIONS, SEE DETAILS SHEET A4.00  
VL - VISION LITE  
HL - HALF LITE  
FLT - FULL LITE  
SL - SLIDING DOOR  
DL - DIVIDED LITE  
OVHD - OVERHEAD COILING DOOR

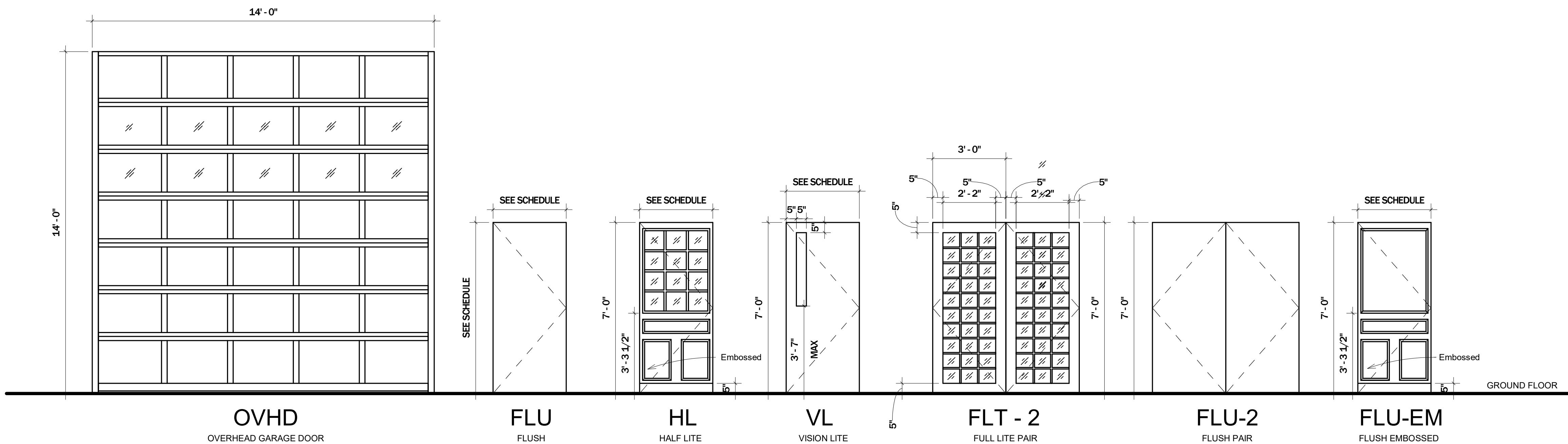
1. ALL LATCHING DOORS TO HAVE LEVER HANDLED HARDWARE.
2. PROVIDE 12" CLEARANCE ON HE "PUSH" SIDE OF DOOR BETWEEN LEADING EDGE OF DOOR LEAF AND AGJACENT WALL SURFACE IF DOOR HAS BOTH CLOSER AND A LATCH. PROVIDE 18" CLEARANCE ON THE "PULL" SIDE.
3. WEATHER-STRIP ALL EXTERIOR DOORS.
4. PROVIDE RUBBER DOOR SILENCER INSERTS AT ALL HOLLOW METAL DOOR FRAMES.
5. PROVIDE VISIBLE FACTORY-APPLIED LABEL AT ALL RATED DOORS AND FRAMES.
6. PROVIDE FLOOR OR WALL MOUNTED DOOR STOPS AT LOCATIONS WHERE ADJACENT WALLS ARE SUBJECT TO DMAGE WHICH MAY BE CAUSED BY CONTACT WITH DOOR HARDWARE.
7. EXIT DOORS SHALL NOT BE SUBJECT TO THE USE OF A KEY FOR OPERATION FROM THE INSIDE OF THE BUILDING.
8. CONTRACTOR TO COORDINATE AND VERIFY WITH THE OWNERS' REPRESENTATIVE ANY AND ALL HARDWARE CHOICES AND SPECIFICATIONS.
9. ALL THRESHOLD AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT.
10. EACH WINDOW AND DOOR LOCATED IN WALLS WHICH SEPARATE CONDITIONED AND UNCONDITIONED SPACE (INCLUDING BUILDING EXTERIOR) SHALL BE LABELED BY THE MANUFACTURER TO CERTIFY COMPLIANCE WITH THE REQUIREMENTS OF THE NATIONAL FENESTRATION RATING COUNCIL PER NFRC 100 AND 200 FOR FIELD VERIFICATION BY THE FIELD INSPECTOR.
11. PROVIDE GALVANIZED FRAME.
12. PROVIDE 1/4" MINIMUM LAMINATED GLASS (G2) IN FIRE-RATED DOORS.
13. PAIR OF DOORS
14. PROVIDE SOUND SEALS

**NOTE: ALL DOORS SHALL MEET ADA ACCESSIBILITY REQUIREMENTS.**

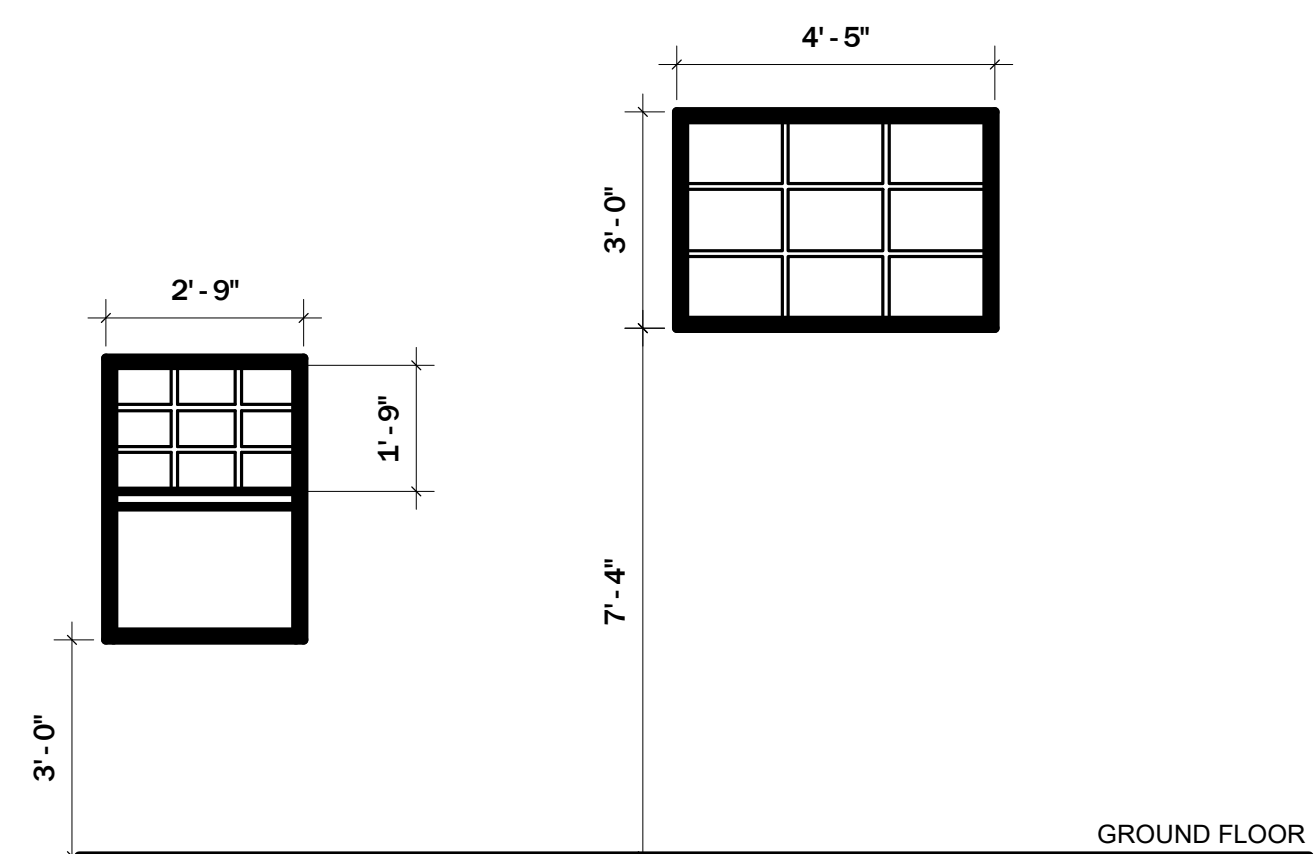
1. PROVIDE 1" INSULATING TINTED GLASS (IG1 IN ALL EXTERIOR, UNLESS OTHERWISE NOTED.
2. **T** REPRESENTS TEMPERED GLASS UNITS.
3. ALL GLASS UNITS LOCATED WITHIN 24" OF THE EDGE OF DOOR AND/OR WHERE BUTT JOINT EDGE IS LESS THAN 60" ABOVE THE FINISHED FLOOR SHALL BE TEMPERED GLASS.
4. PROVIDE 1/4" TEMPERED GLASS (G1) AT ALL INTERIOR DOOR LITES LOCATIONS.
5. PROVIDE 5/8" MINIMUM LAMINATED GLASS (G3) IN FIRE-RATED WALLS.



## FRAME ELEVATIONS



## DOOR ELEVATIONS

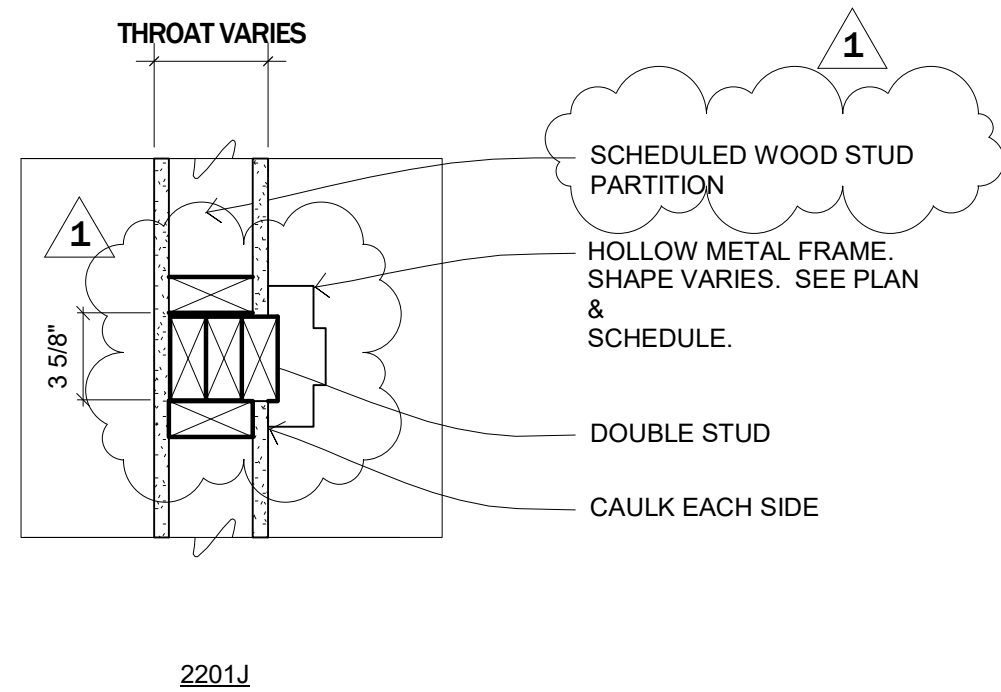


A circular professional seal for Randall Smith, a Professional Engineer in the State of Georgia. The seal features the text "GEORGIA" at the top, "No. 003949" in the center, "PROFESSIONAL ENGINEER" below the number, and "RANDALL SMITH" at the bottom. The words "STATE OF" and "ARCHITECT" are also visible. A signature is written across the top of the seal.

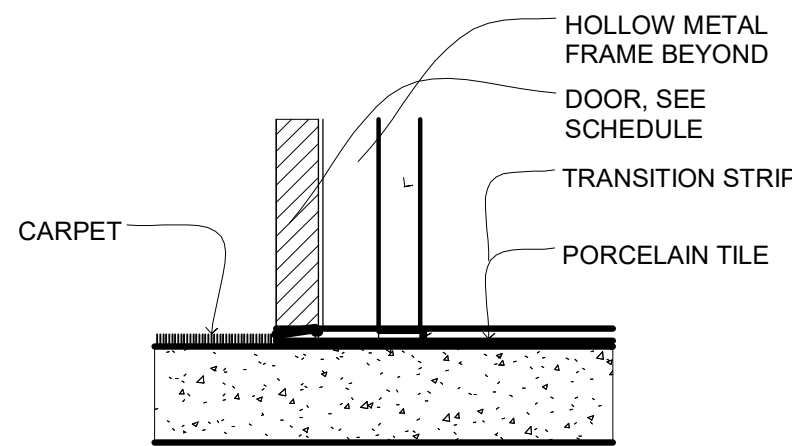
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Suite 1800  
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404.522.8805  
404.521.2118 (f)

## A4.10

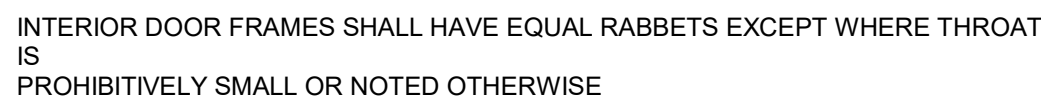




2201J JAMB DETAIL 1 1/2" = 1'-0"



## E THRESHOLD DETAIL

 $1\frac{1}{2}'' = 1'-0''$

Revisions		
No.	Date	Description
06.27.22	ISSUED	



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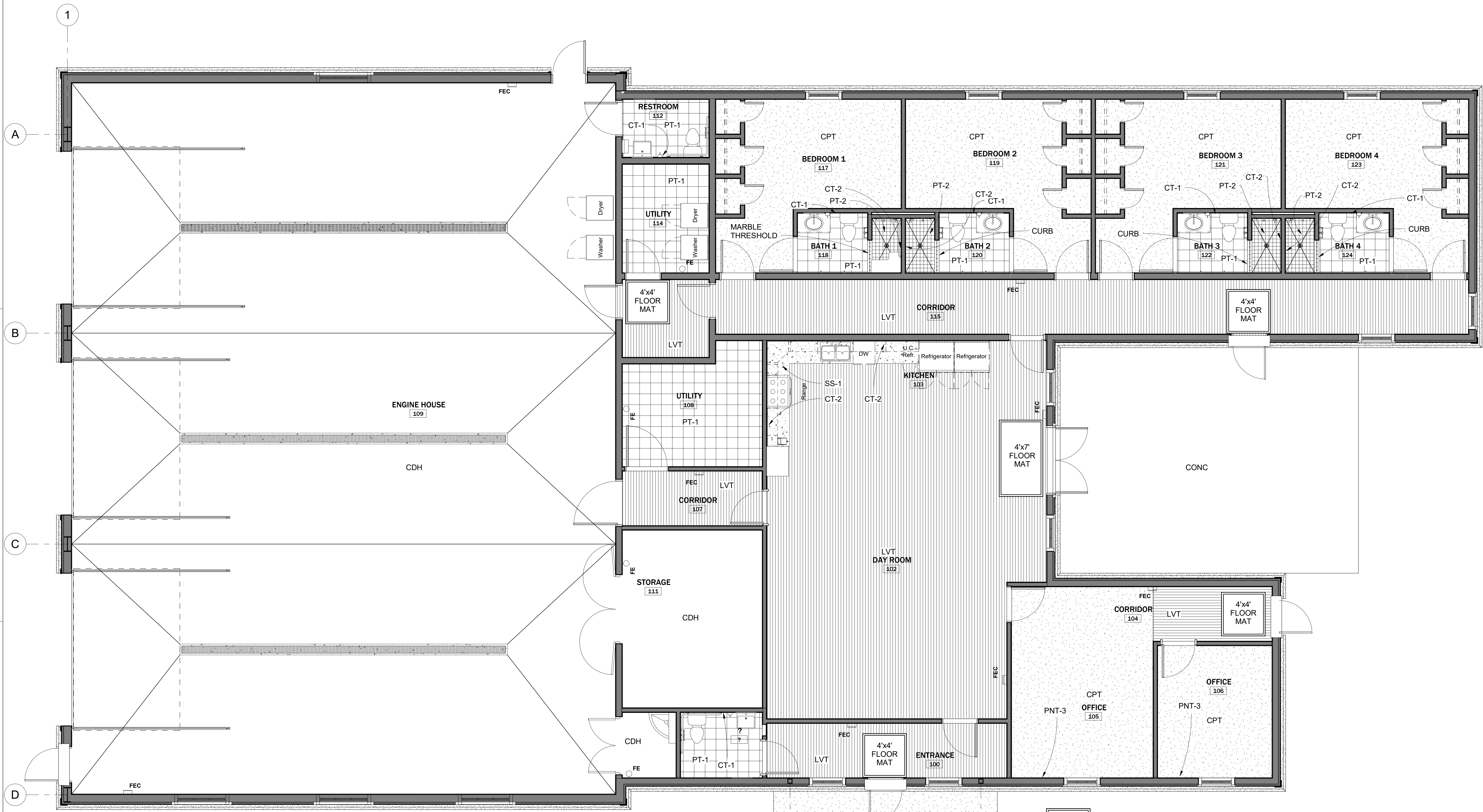
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FINISH PLAN

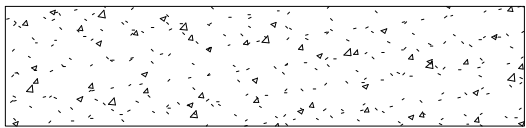
A5.00



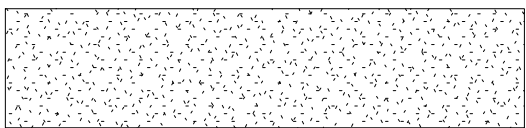
INTERIOR FINISHES KEY:

CONC	CONCRETE
CPT	CARPET
CT	CERAMIC TILE
GRT	GROUT
GWB	GYPSUM WALL BOARD
GYP	GYPSUM BOARD
LVT	LUXURY VINYL TILE
PLAM	PLASTIC LAMINATE
PNT	PAINT
PT	PORCELAIN TILE
PTB	PORCELAIN TILE BASE
RB	RUBBER BASE
SC	SEALED CONCRETE
SS	SOLID SURFACE
TBD	TO BE DETERMINED
TYP	TYPICAL

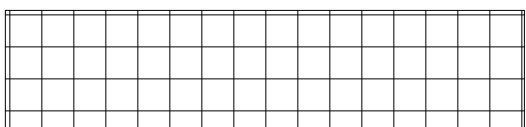
FLOORING FINISHES LEGEND:



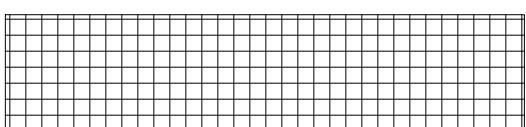
SEALED CONCRETE



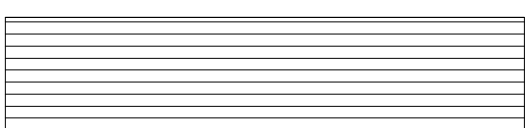
CAST-IN- PLACE CONCRETE



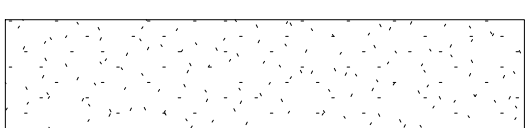
PORCELAIN TILE



PORCELAIN TILE



LUXURY VINYL TILE  
(LVT)



CARPET

INTERIOR FINISH SCHEDULE						
ROOM #	ROOM NAME	SUBSTRATE	FLOOR	BASE	SUBSTRATE	WALL
100	ENTRANCE	CONC	LVT	RB	GYP	PNT
101	RESTROOM	CONC	PT	PTB	GYP	PNT & PT
102	DAY ROOM	CONC	LVT	RB	GYP	PNT
103	KITCHEN	CONC	LVT	RB	GYP	PNT
104	CORRIDOR	CONC	CPT	RB	GYP	PNT
105	OFFICE	CONC	CPT	RB	GYP	PNT
106	OFFICE	CONC	CPT	RB	GYP	PNT
107	CORRIDOR	CONC	LVT	RB	GYP	PNT
108	UTILITY	CONC	PT	PTB	GYP	PNT
109	ENGINE HOUSE	CONC	CDH	RB	GYP	PNT
110	JANITOR'S CLO.	CONC	CDH	RB	GYP	PNT
111	STORAGE	CONC	CDH	RB	GYP	PNT
112	RESTROOM	CONC	PT	PTB	GYP	PNT & PT
113	VESTIBULE	CONC	LVT	RB	GYP	PNT
114	UTILITY	CONC	PT	PTB	GYP	PNT
115	CORRIDOR	CONC	LVT	RB	GYP	PNT
117	BEDROOM 1	CONC	CPT	RB	GYP	PNT
118	BATH 1	CONC	PT	PTB	GYP	PNT & PT
119	BEDROOM 2	CONC	CPT	RB	GYP	PNT
120	BATH 2	CONC	PT	PTB	GYP	PNT & PT
121	BEDROOM 3	CONC	CPT	RB	GYP	PNT
122	BATH 3	CONC	PT	PTB	GYP	PNT & PT
123	BEDROOM 4	CONC	CPT	RB	GYP	PNT
124	BATH 4	CONC	PT	PTB	GYP	PNT & PT

INTERIOR FINISHES:	
CPT-1	CARPET TILE BY SHAW CONTRACT, STYLE: ART OF ESCAPE, #512321, COLOR: GLACIER #19550, SIZE: 9' X 36", ONLY WHERE NOTED ON PLAN.
CT-1	CERAMIC TILE BY TYLEBAR, STYLE: VECTOR, COLOR: HESO, SIZE: 4' X 8", ONLY WHERE NOTED ON PLAN AND INTERIOR ELEVATIONS.
CT-2	CERAMIC TILE BY TYLEBAR, STYLE: VECTOR, COLOR: AZUL, SIZE: 4' X 8", ONLY WHERE NOTED ON PLAN AND INTERIOR ELEVATIONS.
GRT-1	GROUT BY CUSTOM BUILDING PRODUCTS, COLOR: #166 DELOREAN GRAY, TO BE USED WITH ALL TILE.
LVT-1	LUXURY VINYL TILE BY SHAW CONTRACT, STYLE: THOUGHTFUL #4122, COLOR: WARMTH #22630, SIZE: 23.62" X 23.62", ONLY WHERE NOTED ON PLAN.
PLAM-1	PLASTIC LAMINATE BY WILSONART, STYLE: #4830K-18 SATIN STAINLESS.
PNT-1	BASE PAINT BY SHERWIN WILLIAMS, COLOR: #SW 7668 MARCH WIND, THROUGHOUT UNLESS NOTED OTHERWISE.
PNT-2	HOLLOW METAL PAINT BY SHERWIN WILLIAMS, COLOR: #SW 7670 GRAY SHINGLE, ONLY ON ALL HOLLOW METAL FRAMES.
PNT-3	ACCENT PAINT BY SHERWIN WILLIAMS, #SW 7603 POOLHOUSE, ONLY WHERE NOTED ON DRAWING.
PNT-4	CEILING PAINT BY SHERWIN WILLIAMS, #SW 7007 CEILING BRIGHT WHITE, ONLY ON GYP CEILINGS.
PNT-5	TBD
PT-1	PORCELAIN TILE BY TYLEBAR, STYLE: RUSTIC STONE, COLOR: GREY, SIZE: 12" X 24", FINISH: MATTE, ONLY WHERE NOTED ON PLAN.
PT-2	PORCELAIN TILE BY TYLEBAR, STYLE: HEXAGON 1", COLOR: LEVEL WHITE, SIZE: 1", THIS TILE IS ONLY FOR SHOWER FLOORS.
PTB-1	PORCELAIN TILE BASE BY TYLEBAR, STYLE: RUSTIC STONE, COLOR: GREY, SIZE: 3' X 12" BULLNOSE, FINISH: MATTE, TO BE USED WITH PORCELAIN TILE.
RB-1	RUBBER BASE BY ROPPE, COLOR: #146 STEEL GRAY, THROUGHOUT UNLESS NOTED OTHERWISE.
SS-1	SOLID SURFACE BY LG HAUSYS, STYLE: #G004 WHITE QUARTZ, ONLY WHERE NOTED.
SS-2	SOLID SURFACE BY LG HAUSYS, STYLE: #G160 MOONDUST, ONLY WHERE NOTED.
INTERIOR FINISH NOTES:	
1.	ALL EXTERIOR WINDOW SHALL RECEIVE BUILDING STANDARD WINDOW TREATMENT, UNLESS NOTED OTHERWISE.
2.	ALL FLOORING SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS REGARDING ADHESIVES, SEAMING, DIRECTIONS AND ETC.
3.	ALL TRANSITIONS IN FLOOR MATERIALS SHALL OCCUR UNDER THE CENTER LINE OF THE CLOSED DOOR WHERE APPLICABLE.
4.	ALL WALLS SHALL BE PAINTED PNT-1, UNLESS NOTED OTHERWISE. ALL GRILLES, DIFFUSERS AND ACCESS PANELS SHALL BE PAINTED TO MATCH THE WALL OR CEILING ON WHICH THEY ARE LOCATED, UNLESS NOTED OTHERWISE.
5.	ALL CLOSET SHELVING SHALL BE PAINTED TO MATCH THE WALL ON WHICH IT IS LOCATED, UNLESS NOTED OTHERWISE.
6.	ALL PAINTED METAL SHALL RECEIVE MANUFACTURER'S RECOMMENDED PRIMER COAT AND TWO (2) COATS OF LATEX SEMI-GLOSS FINISH.
7.	IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT SAMPLES TO GSSTJ FOR APPROVAL PRIOR TO PURCHASE OR PRODUCT. THESE SAMPLES MUST BE LABELED.
8.	ALL INTERIOR FINISHES REQUIRED ARE INCLUDED IN THESE DRAWINGS. SOME PRODUCTS HAVE A LONGER LEAD TIME AND ARE NOT GUARANTEED TO BE IN STOCK. SUBCONTRACTORS TO PLACE ORDERS IMMEDIATELY UPON AWARD OF PROJECT TO AVOID THE USE OF INTERMEDIATE FINISHES.
9.	IN ALL SHOWERS THE CERAMIC TILE IS SUPPOSED TO BE INSTALLED ON ALL FOUR (4) WALLS.
10.	CONTRACTOR TO FURNISH AND INSTALL SCHLUTER FINISHING STRIPS. THE FINISHING STRIPS SHALL BE LOCATED ON THE WALL WHERE THE SHOWER ROD IS LOCATED, ON BOTH CORNERS. THE SCHLUTER STRIPS SHALL MATCH THE FINISH OF THE FAUCETS.



Revisions		
No.	Date	Description
1	06.27.22	ISSUED



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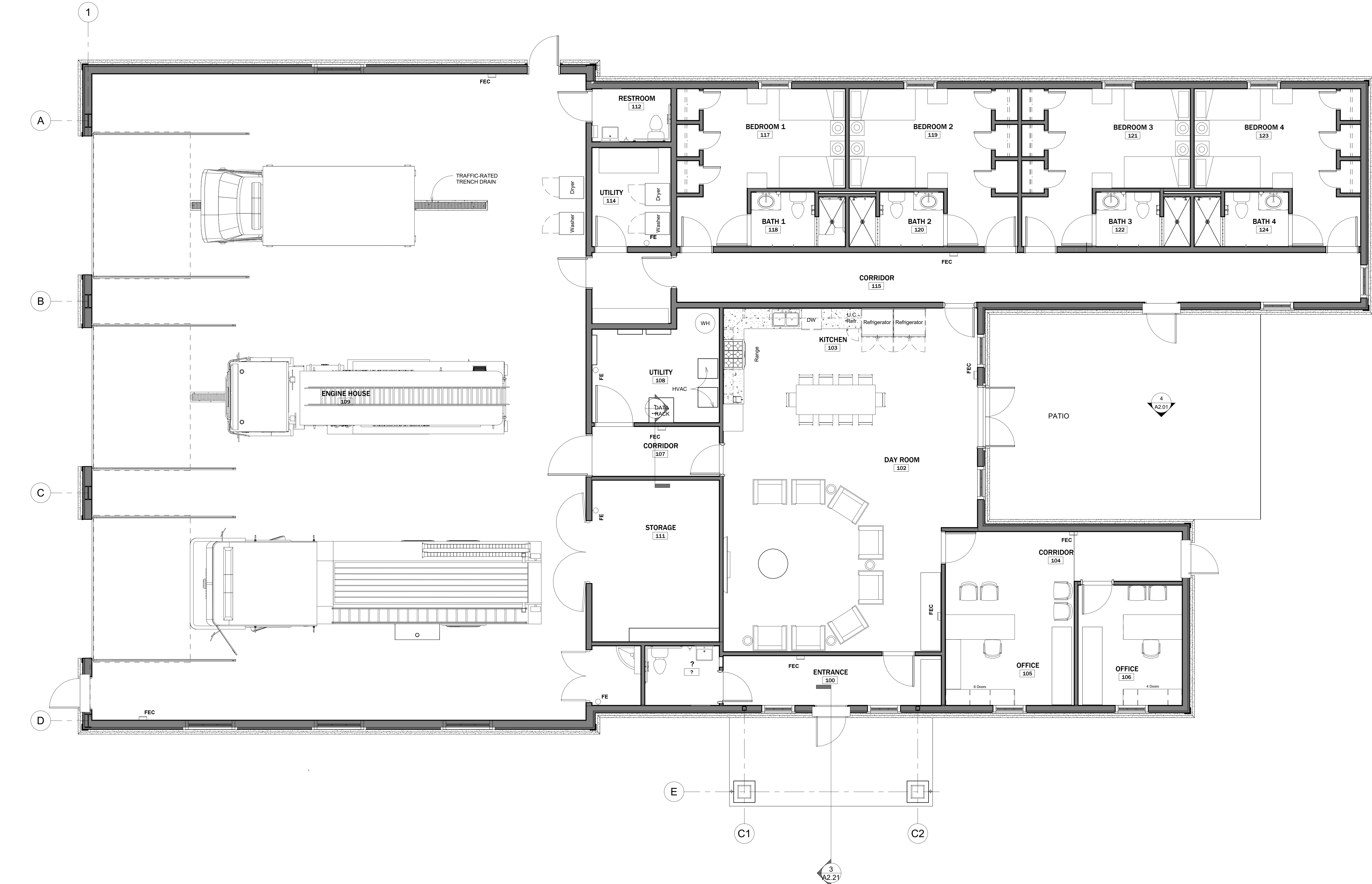
20112

FF&E PLAN

A5.10

NOTE: FURNITURE N.I.C.

1/4" = 1'-0"



1	Bath 1 -1	1/4" = 1'-0"	2	Bath 1 - 2	1/4" = 1'-0"	3	Bath 1 - 3	1/4" = 1'-0"	4	Bath 2 - 1	1/4" = 1'-0"
5	Bath 2- 2	1/4" = 1'-0"	6	Bath 2 - 3	1/4" = 1'-0"	7	Bath 3 -1	1/4" = 1'-0"	8	Bath 3-2	1/4" = 1'-0"
9	Bath 3 -3	1/4" = 1'-0"	10	Bath 4 - 1	1/4" = 1'-0"	11	Bath 4-2	1/4" = 1'-0"	12	Bath 4 - 3	1/4" = 1'-0"
13	Restroom 101 -1	1/4" = 1'-0"	14	Restroom 101 - 2	1/4" = 1'-0"	15	Restroom 101 - 3	1/4" = 1'-0"	16	Restroom 101 - 4	1/4" = 1'-0"

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## INTERIOR ELEVATIONS



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at  
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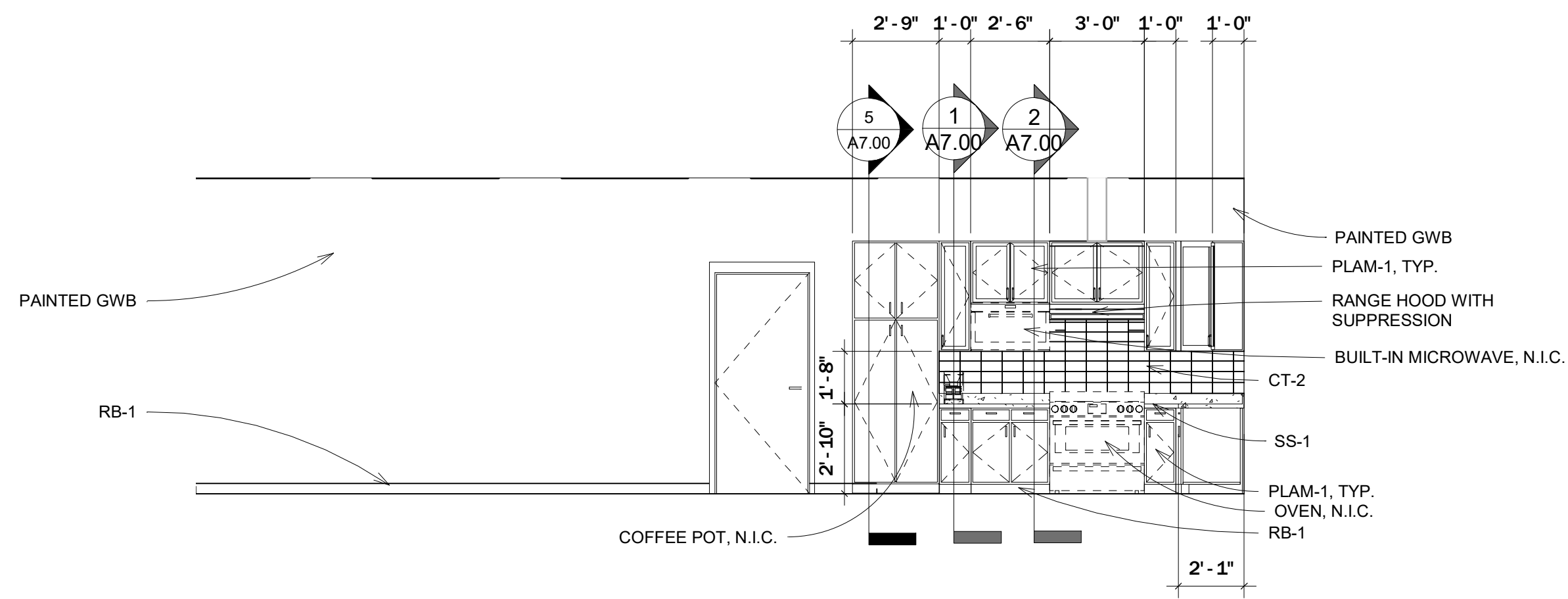
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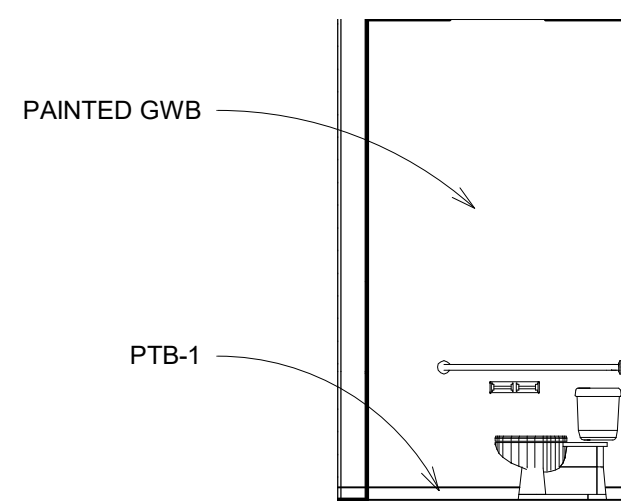
0112

## ANTERIOR ELEVATIONS

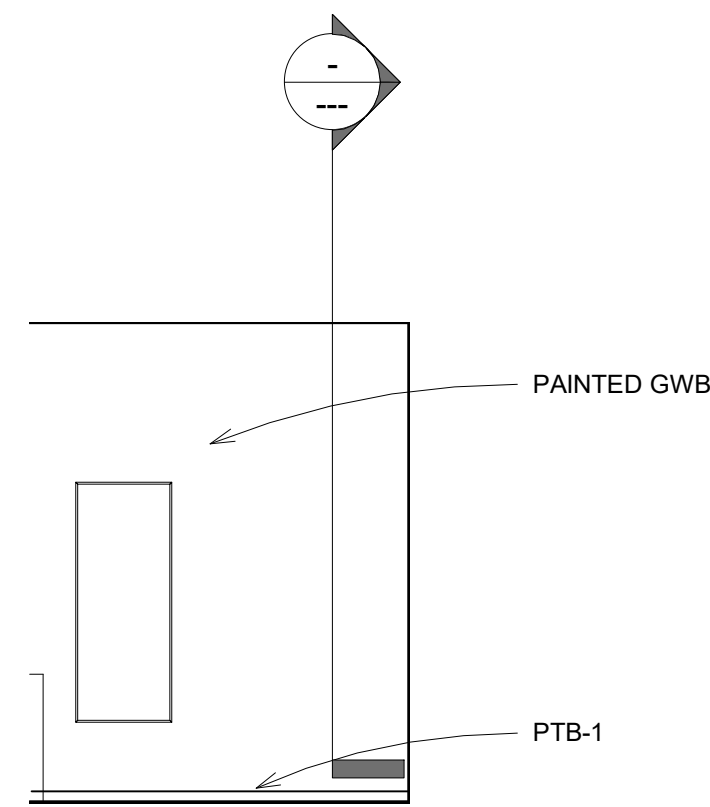
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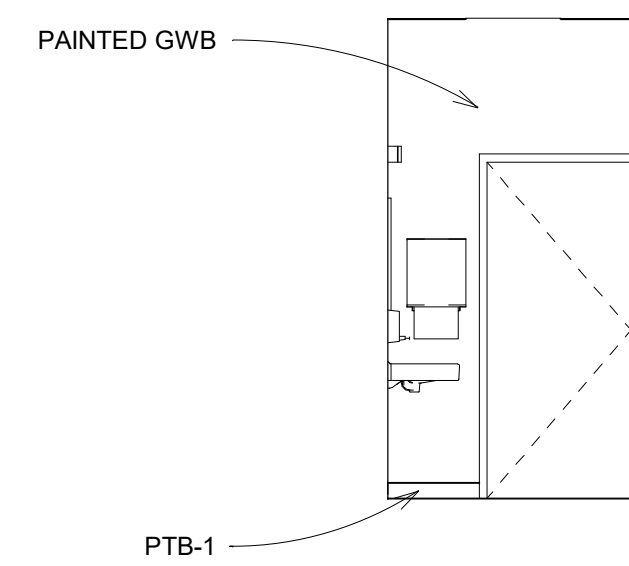
1	Interior Elevation - Kitchen A
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$$1/4'' = 1'-0''$$


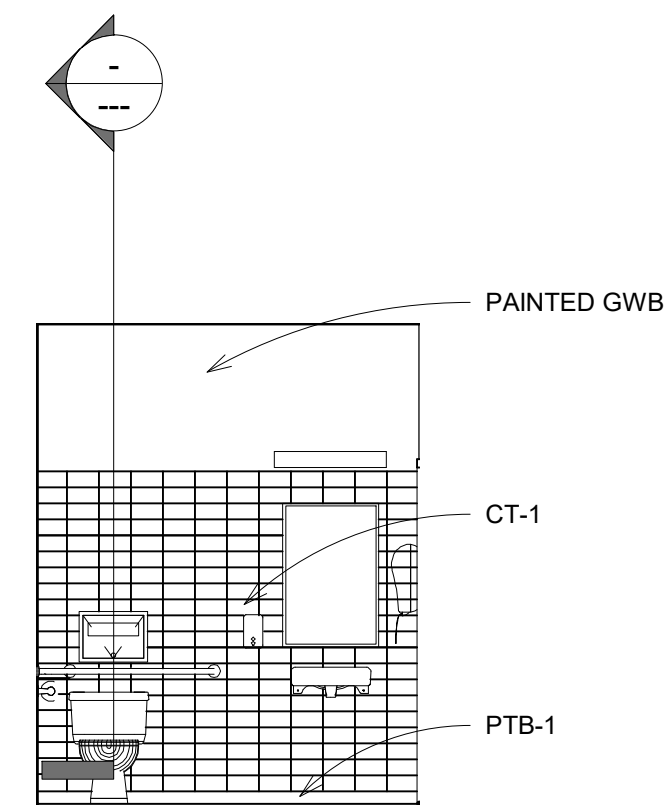
3	Restroom 112 - 1
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$$1/4" = 1'-0"$$


4 Interior Elevation - Restroom 112 - 4

$$1/4" = 1'-0"$$


5 Interior Elevation - Restroom 112 - 3

$$1/4" = 1'-0"$$


6	Restroom 112 - 2
---	------------------

$$1/4" = 1'-0"$$





# Union County Fire Station



Union County  
Fire Station

Harbor Boulevard  
at  
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Blairsville, Georgia  
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Revisions			REVISIONS
No.	Date	Description	
	.02.15.22	.Bid Set	
1	.08.30.22	.Revise to Wood Framing	

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Spencer  
Smith  
&  
Tench  
&  
Jarbeau

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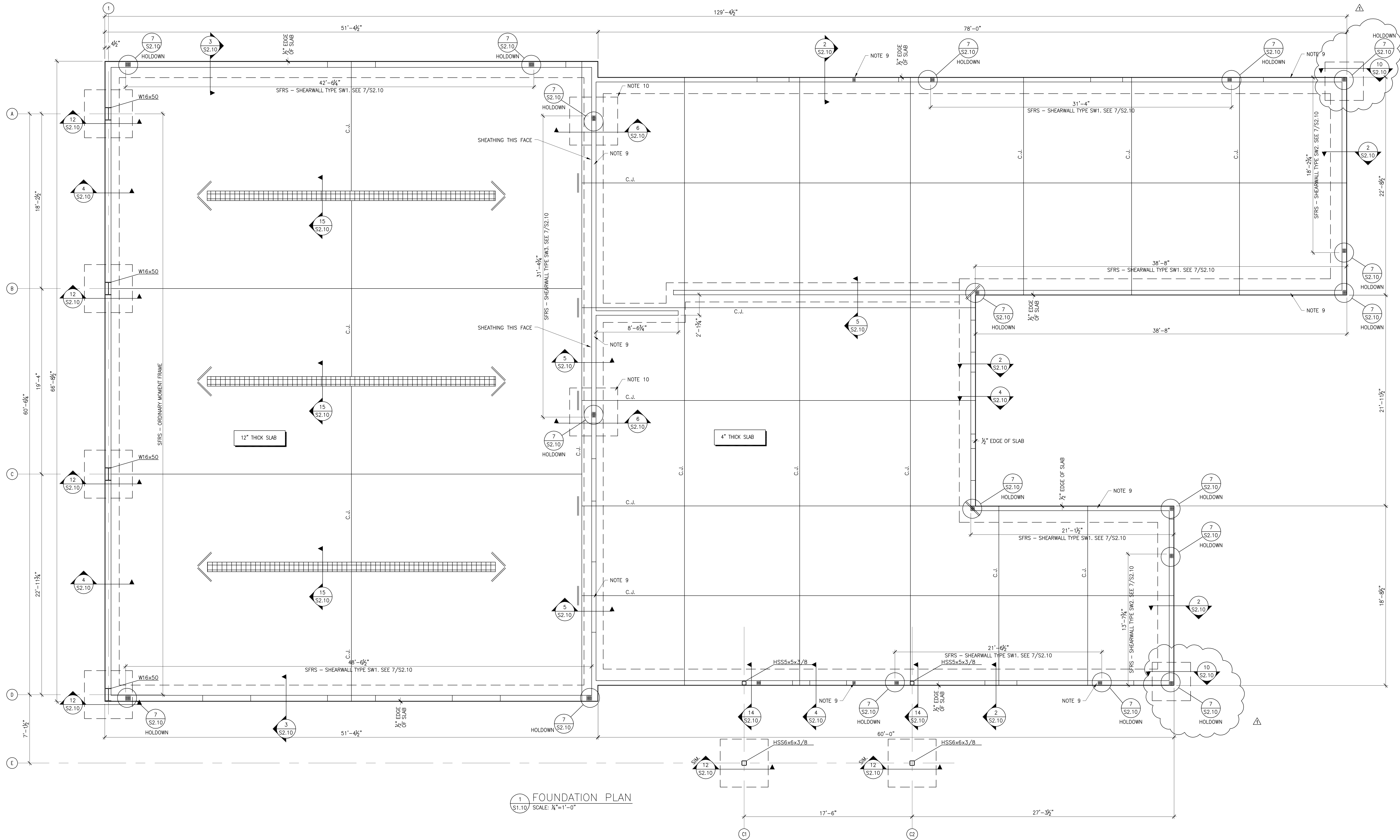
Tower Place Building,  
3340 Peachtree Road, N.E.

Atlanta, Georgia 30326  
404.522.8805  
404.521.2118 (f)

20112

Slab and  
Foundation Plan

S-1.10



1 FOUNDATION PLAN  
S1.10 SCALE: 1/4"=1'-0"

FOUNDATION PLAN NOTES:

- ALL DIMENSIONS SHOWN ON THIS PLAN ARE APPROXIMATE. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS.
- TOP OF CONCRETE SLAB ELEVATION = +0'-0". ALL OTHER DIMENSIONS ARE MEASURED FROM THIS DATUM.
- SLAB ON GRADE SHALL BE 4" NORMAL WEIGHT CONCRETE, REINFORCED WITH 6x6 W1.4xW1.4 W.W.F. LOCATED 1/2" BELOW THE TOP OF SLAB. APPARATUS BAY SLAB SHALL BE 12" NORMAL WEIGHT CONCRETE REINFORCED WITH #4 @ 12" E.W. T&B.
- C.J. INDICATES CONTROL JOINT, SEE 1/S2.10
- TOP OF FOOTING ELEVATION SHALL BE -2'-0" U.N.O.

- SEE ARCHITECTURAL DRAWINGS FOR ANY SLOPES, DEPRESSIONS, TRENCHES, ETC. IN SLAB ON GRADE. MAINTAIN MINIMUM SLAB THICKNESS.
- "INDICATES (2) #4 x 4'-0" AT SLAB MID-DEPTH, 3" APART. PROVIDE AT ALL RE-ENTRANT CORNERS AND INTERSECTIONS, AT ALL DISCONTINUOUS CONTROL JOINTS IN SLAB-ON-GRADE AND AS SHOWN ON PLAN. SEE 9/S2.10
- ALL DIMENSIONS SHOWN ON THIS PLAN ARE TO EDGE OF SLAB U.N.O.
- PROVIDE TRIPLE STUD PACK UNDER GIRDER TRUSS BEARING LOCATIONS. SEE 11/S2.10 FOR HOLDOWN AT BUILT-UP STUDS.
- SPREAD FOOTINGS SHALL USE 5,000 psi NW CONCRETE. FOOTINGS SHALL BE CENTERED ON HOLDOWN ANCHOR AT END OF SHEARWALL.



Harbor Boulevard  
at  
Murphy Highway  
Blairsville, Georgia  
30512



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RELEASED FOR CONSTRUCTION

Revisions			REVISIONS
No.	Date	Description	
1	02.15.22	Bid Set	
1	08.30.22	Revise to Wood Framing	

Gardner  
Spencer  
Smith  
&  
Tench  
&  
Jarbeau

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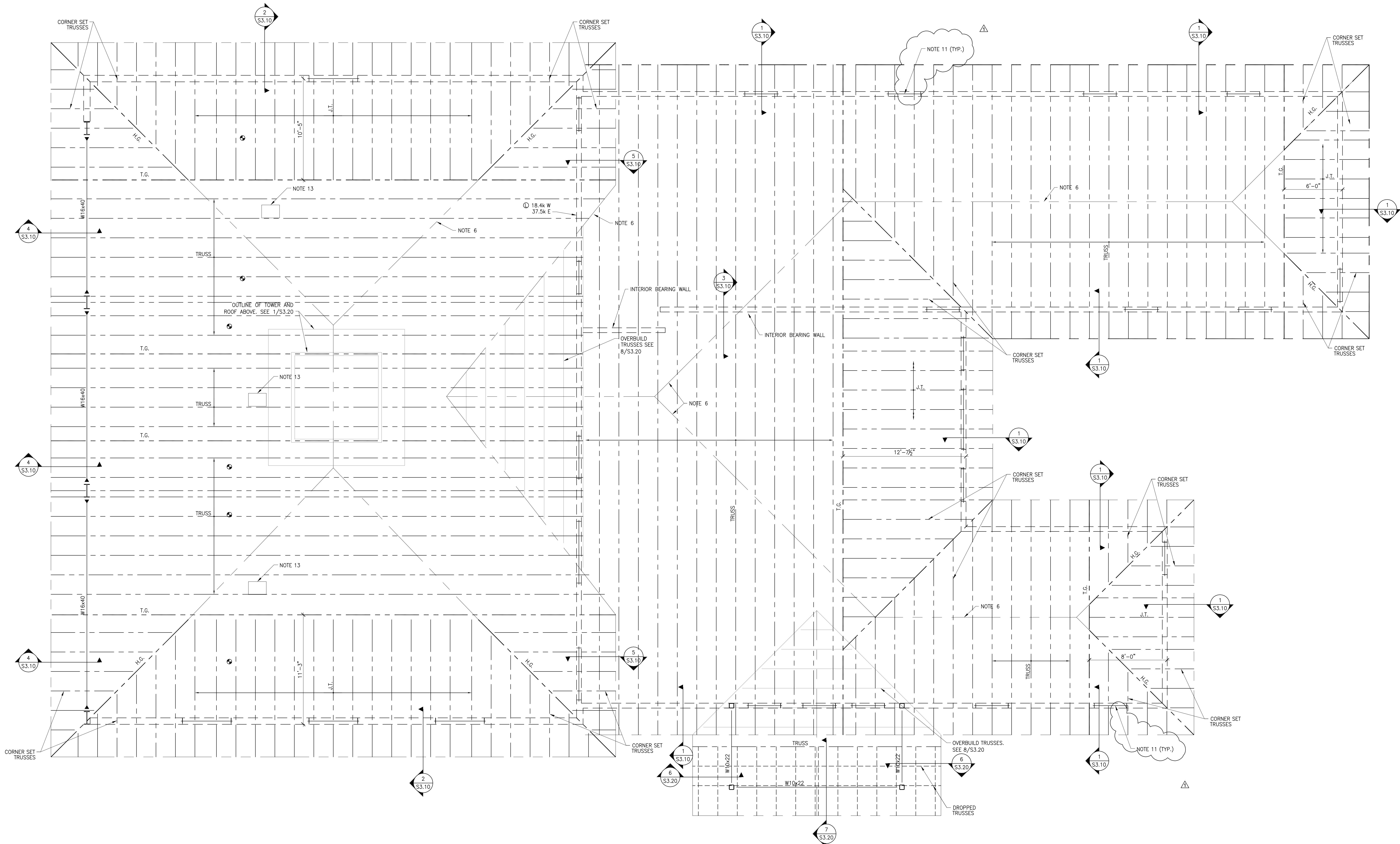
Tower Place Building,  
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Roof Framing Plan

S-1.20



1 ROOF FRAMING PLAN  
S1.20 SCALE: 1/8"=1'-0"

ROOF FRAMING PLAN NOTES:

1. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL DRAWINGS.
2. SEE ARCHITECTURE FOR TOP OF FINISHED ROOF ELEVATIONS, ROOF SLOPES AND ROOF DRAIN LOCATIONS.
3. COORDINATE SIZE AND LOCATION OF ALL OPENINGS IN ROOF WITH ARCH, MECH, AND PLUMBING DRAWINGS.
4. TRUSS BEARING AND TOP OF WALL ELEVATIONS VARY. SEE WALL SECTIONS.
5. ROOF SHEATHING IS TO BE 3/4" APA RATED PLYWOOD SHEATHING SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
6. PL 2"x2"x1/8" GALV. CONT. ALONG VALLEY OR RIDGE SHEATHING JOINTS. USE #8 SCREWS @ 6" O.C. EA. LEG. (TYP.)
7. TRUSS - PRE-ENGINEERED WOOD ROOF TRUSSES @ 2'-0" O.C. MAX. CORNER SET - ROOF CORNER SET TRUSSES @ 2'-0" O.C. MAX. J.A. - ROOF JACK TRUSSES @ 2'-0" O.C. MAX. T.G. - ROOF TRUSS GIRDER. H.G. - ROOF HIP GIRDER.

PROVIDE MULTIPLE TRUSSES (DOUBLE OR TRIPLE) OR MODIFY SPACING AS REQUIRED TO SUPPORT THE LOADS.

8. PROVIDE TRIPLE STUDS UNDER ALL TRUSS GIRDER BEARING POINTS. DO NOT LOCATE TRUSS GIRDERS OVER OPENINGS IN LOAD BEARING WALLS (DOORS, WINDOWS, ETC.) WHEN POSSIBLE. COORDINATE FINAL LOCATION WITH TRUSS SHOP DRAWINGS.

9. SEE SHEET S0.10 FOR LOADS ON ROOF TRUSSES.

10. INDICATES MOMENT CONNECTION. SEE 15/S-3.10

11. SEE 9/S3.10 FOR WOOD HEADER SCHEDULE

12. INDICATES OVERHEAD DOOR SUPPORT. TRUSSES SHALL BE DESIGNED FOR APPLIED LOAD. COORDINATE LOAD MAGNITUDE AND LOCATION WITH DOOR SELECTED AND ARCH. DRAWINGS

13. TRUSSES SHALL BE DESIGNED FOR HANGING LOAD FOR OVERHEAD DOOR MOTOR. COORDINATE LOAD MAGNITUDE AND LOCATION WITH DOOR SELECTED AND ARCH. DRAWINGS



GOODMAN  
GIANNAVOLA  
HINES  
ENGINEERS  
311 14th STREET  
SUITE 2  
ATLANTA, GA 30318  
GGHEngineers.com

GGHE PROJ. # 220358

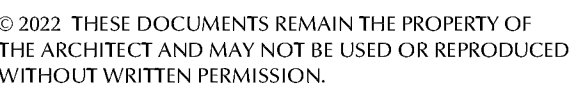
EXP 06/2024







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at  
Murphy Highway  
Blairsville, Georgia  
30512

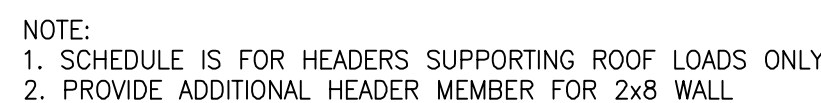
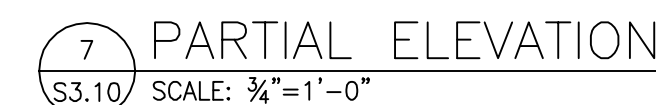
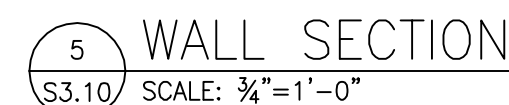
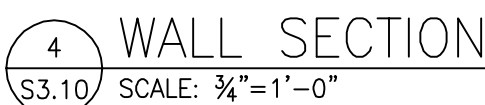
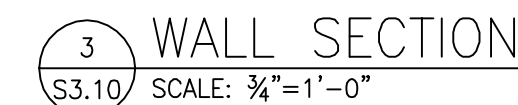
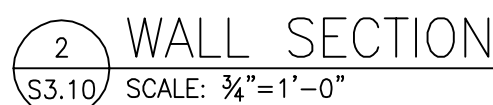
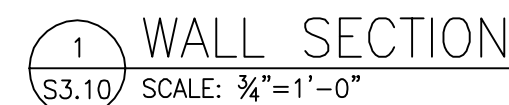


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## Sections and Details

S-3.10



13 WOOD MEMBER FASTENING SCHEDULE  
S3.10 NTS

a. Common or box nails are permitted to be used except where otherwise stated.

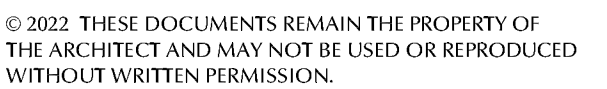
b. Nails spaced at 6" on center at edges, 12" at intermediate supports except 6" at supports where spans are 12' or less. For the nailing of wood structural members to steel joists and other walls, refer to Section 2305. Nails for wall sheathing are permitted to be common box, 3" x 50d.

c. Common 6" x 2"x10"13", 8" x 2"x10"13", 10" x 2"x10"13", 12" x 2"x10"13", 14" x 2"x10"13", 16" x 2"x10"13", 18" x 2"x10"13", 20" x 2"x10"13", 22" x 2"x10"13", 24" x 2"x10"13", 26" x 2"x10"13", 28" x 2"x10"13", 30" x 2"x10"13", 32" x 2"x10"13", 34" x 2"x10"13", 36" x 2"x10"13", 38" x 2"x10"13", 40" x 2"x10"13", 42" x 2"x10"13", 44" x 2"x10"13", 46" x 2"x10"13", 48" x 2"x10"13, 50" x 2"x10"13, 52" x 2"x10"13, 54" x 2"x10"13, 56" x 2"x10"13, 58" x 2"x10"13, 60" x 2"x10"13, 62" x 2"x10"13, 64" x 2"x10"13, 66" x 2"x10"13, 68" x 2"x10"13, 70" x 2"x10"13, 72" x 2"x10"13, 74" x 2"x10"13, 76" x 2"x10"13, 78" x 2"x10"13, 80" x 2"x10"13, 82" x 2"x10"13, 84" x 2"x10"13, 86" x 2"x10"13, 88" x 2"x10"13, 90" x 2"x10"13, 92" x 2"x10"13, 94" x 2"x10"13, 96" x 2"x10"13, 98" x 2"x10"13, 100" x 2"x10"13, 102" x 2"x10"13, 104" x 2"x10"13, 106" x 2"x10"13, 108" x 2"x10"13, 110" x 2"x10"13, 112" x 2"x10"13, 114" x 2"x10"13, 116" x 2"x10"13, 118" x 2"x10"13, 120" x 2"x10"13, 122" x 2"x10"13, 124" x 2"x10"13, 126" x 2"x10"13, 128" x 2"x10"13, 130" x 2"x10"13, 132" x 2"x10"13, 134" x 2"x10"13, 136" x 2"x10"13, 138" x 2"x10"13, 140" x 2"x10"13, 142" x 2"x10"13, 144" x 2"x10"13, 146" x 2"x10"13, 148" x 2"x10"13, 150" x 2"x10"13, 152" x 2"x10"13, 154" x 2"x10"13, 156" x 2"x10"13, 158" x 2"x10"13, 160" x 2"x10"13, 162" x 2"x10"13, 164" x 2"x10"13, 166" x 2"x10"13, 168" x 2"x10"13, 170" x 2"x10"13, 172" x 2"x10"13, 174" x 2"x10"13, 176" x 2"x10"13, 178" x 2"x10"13, 180" x 2"x10"13, 182" x 2"x10"13, 184" x 2"x10"13, 186" x 2"x10"13, 188" x 2"x10"13, 190" x 2"x10"13, 192" x 2"x10"13, 194" x 2"x10"13, 196" x 2"x10"13, 198" x 2"x10"13, 200" x 2"x10"13, 202" x 2"x10"13, 204" x 2"x10"13, 206" x 2"x10"13, 208" x 2"x10"13, 210" x 2"x10"13, 212" x 2"x10"13, 214" x 2"x10"13, 216" x 2"x10"13, 218" x 2"x10"13, 220" x 2"x10"13, 222" x 2"x10"13, 224" x 2"x10"13, 226" x 2"x10"13, 228" x 2"x10"13, 230" x 2"x10"13, 232" x 2"x10"13, 234" x 2"x10"13, 236" x 2"x10"13, 238" x 2"x10"13, 240" x 2"x10"13, 242" x 2"x10"13, 244" x 2"x10"13, 246" x 2"x10"13, 248" x 2"x10"13, 250" x 2"x10"13, 252" x 2"x10"13, 254" x 2"x10"13, 256" x 2"x10"13, 258" x 2"x10"13, 260" x 2"x10"13, 262" x 2"x10"13, 264" x 2"x10"13, 266" x 2"x10"13, 268" x 2"x10"13, 270" x 2"x10"13, 272" x 2"x10"13, 274" x 2"x10"13, 276" x 2"x10"13, 278" x 2"x10"13, 280" x 2"x10"13, 282" x 2"x10"13, 284" x 2"x10"13, 286" x 2"x10"13, 288" x 2"x10"13, 290" x 2"x10"13, 292" x 2"x10"13, 294" x 2"x10"13, 296" x 2"x10"13, 298" x 2"x10"13, 300" x 2"x10"13, 302" x 2"x10"13, 304" x 2"x10"13, 306" x 2"x10"13, 308" x 2"x10"13, 310" x 2"x10"13, 312" x 2"x10"13, 314" x 2"x10"13, 316" x 2"x10"13, 318" x 2"x10"13, 320" x 2"x10"13, 322" x 2"x10"13, 324" x 2"x10"13, 326" x 2"x10"13, 328" x 2"x10"13, 330" x 2"x10"13, 332" x 2"x10"13, 334" x 2"x10"13, 336" x 2"x10"13, 338" x 2"x10"13, 340" x 2"x10"13, 342" x 2"x10"13, 344" x 2"x10"13, 346" x 2"x10"13, 348" x 2"x10"13, 350" x 2"x10"13, 352" x 2"x10"13, 354" x 2"x10"13, 356" x 2"x10"13, 358" x 2"x10"13, 360" x 2"x10"13, 362" x 2"x10"13, 364" x 2"x10"13, 366" x 2"x10"13, 368" x 2"x10"13, 370" x 2"x10"13, 372" x 2"x10"13, 374" x 2"x10"13, 376" x 2"x10"13, 378" x 2"x10"13, 380" x 2"x10"13, 382" x 2"x10"13, 384" x 2"x10"13, 386" x 2"x10"13, 388" x 2"x10"13, 390" x 2"x10"13, 392" x 2"x10"13, 394" x 2"x10"13, 396" x 2"x10"13, 398" x 2"x10"13, 400" x 2"x10"13, 402" x 2"x10"13, 404" x 2"x10"13, 406" x 2"x10"13, 408" x 2"x10"13, 410" x 2"x10"13, 412" x 2"x10"13, 414" x 2"x10"13, 416" x 2"x10"13, 418" x 2"x10"13, 420" x 2"x10"13, 422" x 2"x10"13, 424" x 2"x10"13, 426" x 2"x10"13, 428" x 2"x10"13, 430" x 2"x10"13, 432" x 2"x10"13, 434" x 2"x10"13, 436" x 2"x10"13, 438" x 2"x10"13, 440" x 2"x10"13, 442" x 2"x10"13, 444" x 2"x10"13, 446" x 2"x10"13, 448" x 2"x10"13, 450" x 2"x10"13, 452" x 2"x10"13, 454" x 2"x10"13, 456" x 2"x10"13, 458" x 2"x10"13, 460" x 2"x10"13, 462" x 2"x10"13, 464" x 2"x10"13, 466" x 2"x10"13, 468" x 2"x10"13, 470" x 2"x10"13, 472" x 2"x10"13, 474" x 2"x10"13, 476" x 2"x10"13, 478" x 2"x10"13, 480" x 2"x10"13, 482" x 2"x10"13, 484" x 2"x10"13, 486" x 2"x10"13, 488" x 2"x10"13, 490" x 2"x10"13, 492" x 2"x10"13, 494" x 2"x10"13, 496" x 2"x10"13, 498" x 2"x10"13, 500" x 2"x10"13, 502" x 2"x10"13, 504" x 2"x10"13, 506" x 2"x10"13, 508" x 2"x10"13, 510" x 2"x10"13, 512" x 2"x10"13, 514" x 2"x10"13, 516" x 2"x10"13, 518" x 2"x10"13, 520" x 2"x10"13, 522" x 2"x10"13, 524" x 2"x10"13, 526" x 2"x10"13, 528" x 2"x10"13, 530" x 2"x10"13, 532" x 2"x10"13, 534" x 2"x10"13, 536" x 2"x10"13, 538" x 2"x10"13, 540" x 2"x10"13, 542" x 2"x10"13,





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S-3.20







SPLIT DIRECT EXPANSION (DX) EQUIPMENT

INDOOR UNIT									OUTDOOR UNIT				COMBINED COOLING CAPACITIES								REMARKS							
MARK	SERVES	TOTAL S.A. (CFM)	O.A. (CFM)	E.S.P. (IN WG)	MOTOR (hp)	HEATER (kW)	WEIGHT (LBS)	BASIS OF DESIGN	MIN. SEER	MIN. HSPF	WEIGHT (LBS)	BASIS OF DESIGN	NOMINAL TONNAGE (TONS)	COOLING														
														TOTAL (IMBH)	SENS (IMBH)	LAT (IMBH)	Ent. Tdb (°F)	Ent. Twb (°F)	Lvg. Tdb (°F)	Lvg. Twb (°F)								
FCU-1 / HP-1	KITCHEN	1,000	65	0.50	1/3 ECM	7.5	122.0	FB4CNF030	14.0	8.2	186.0	25HCE430	2.5	28.1	21.1	7.0	76.2	64.7	56.0	55.0	X	X	X	X	X	X	X	X
FCU-2 / HP-2	OFFICES & STORAGE	1,000	85	0.50	1/3 ECM	7.5	122.0	FB4CNF030	14.0	8.2	186.0	25HCE430	2.5	28.8	21.5	7.3	76.6	64.9	56.0	55.0	X	X	X	X	X	X	X	X
FCU-3 / HP-3	SLEEPIN QUARTERS	1,200	50	0.50	1/2 ECM	7.5	122.0	FB4CNF036	14.0	8.2	189.0	25HCE436	3.0	34.4	25.4	9.0	75.8	64.5	55.5	54.5	X	X	X	X	X	X	X	X
NOTES (APPLY TO ALL):											REMARKS (APPLY AS SCHEDULED):																	
A. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.											1. PROGRAMMABLE THERMOSTAT.																	
B. SUBMITTED UNIT CAPACITIES SHOULD BE WITHIN +/-1.0% OF SCHEDULED CAPACITIES.											2. LOW AMBIENT PACKAGE																	
C. BASIS OF DESIGN: CARRIER, REFER TO SPECIFICATIONS.											3. DISPOSABLE FILTER.																	
ACCEPTABLE ALTERNATES: JCI/YORK, TRANE, DAIKIN/MCQUAY, LENNOX											4. ANTI-SHORT CYCLE TIMER.																	
D. ALL EVAPORATORS AND COOLING COILS LOCATED ABOVE THE LOWEST LEVEL FINISHED FLOOR SHALL BE INSTALLED WITH AN AUXILIARY CONDENSATE DRAIN PAN UNDER THE UNIT. PROVIDE AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN THE UNIT UPON DETECTION OF WATER IN THE AUXILIARY DRAIN PAN.											5. INDOOR FAN DELAY KIT.																	
E. AS AN ALTERNATIVE TO THE AUXILIARY CONDENSATE DRAIN PAN, AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN THE UNIT UPON DETECTION OF WATER MAY BE INSTALLED IN THE PRIMARY DRAIN LINE, THE OVERFLOW DRAIN LINE OR THE EQUIPMENT SUPPLIED DRAIN PAN. THE WATER LEVEL DETECTOR SHALL BE LOCATED AT A POINT HIGHER THAN THE PRIMARY DRAIN LINE CONNECTION AND BELOW THE OVERFLOW RIM OF SUCH PAN.											6. DISCONNECT SWITCH PROVIDED BY ELECTRICAL SUBCONTRACTOR AT BOTH THE INDOOR AND OUTDOOR UNIT. REFER TO THE ELECTRICAL DOCUMENTS.																	
											7. MOUNT OUTDOOR HEAT PUMP ON CONCRETE HOUSEKEEPING PAD. PAD SHALL BE A MINIMUM 4" THICK AND SHALL EXTEND 6" BEYOND UNIT ON ALL SIDES.																	

FAN SCHEDULE

MARK	DUTY	TYPE	CFM	E.S.P. (IN WG)	MOTOR (W / hp)	DRIVE	MAX. NOISE (SONES)	CONTROL BY	BASIS OF DESIGN MODEL	REMARKS				
										1	2	3	4	5
EF-A	EXHAUST	CEILING CABINET	70	0.5	100	DIRECT	2.0	SWITCHED WITH LIGHTS	GREENHECK SP	X	X	X		

NOTES (APPLY TO ALL):

A. SEE ELECTRICAL PLANS FOR POWER CHARACTERISTICS  
B. DESIGN IS BASED ON PRODUCTS BY GREENHECK. ACCEPTABLE ALTERNATES SHALL BE BY LOREN-COOK, TWIN-CITY, PENN BARRY.

REMARKS (APPLY AS SCHEDULED):

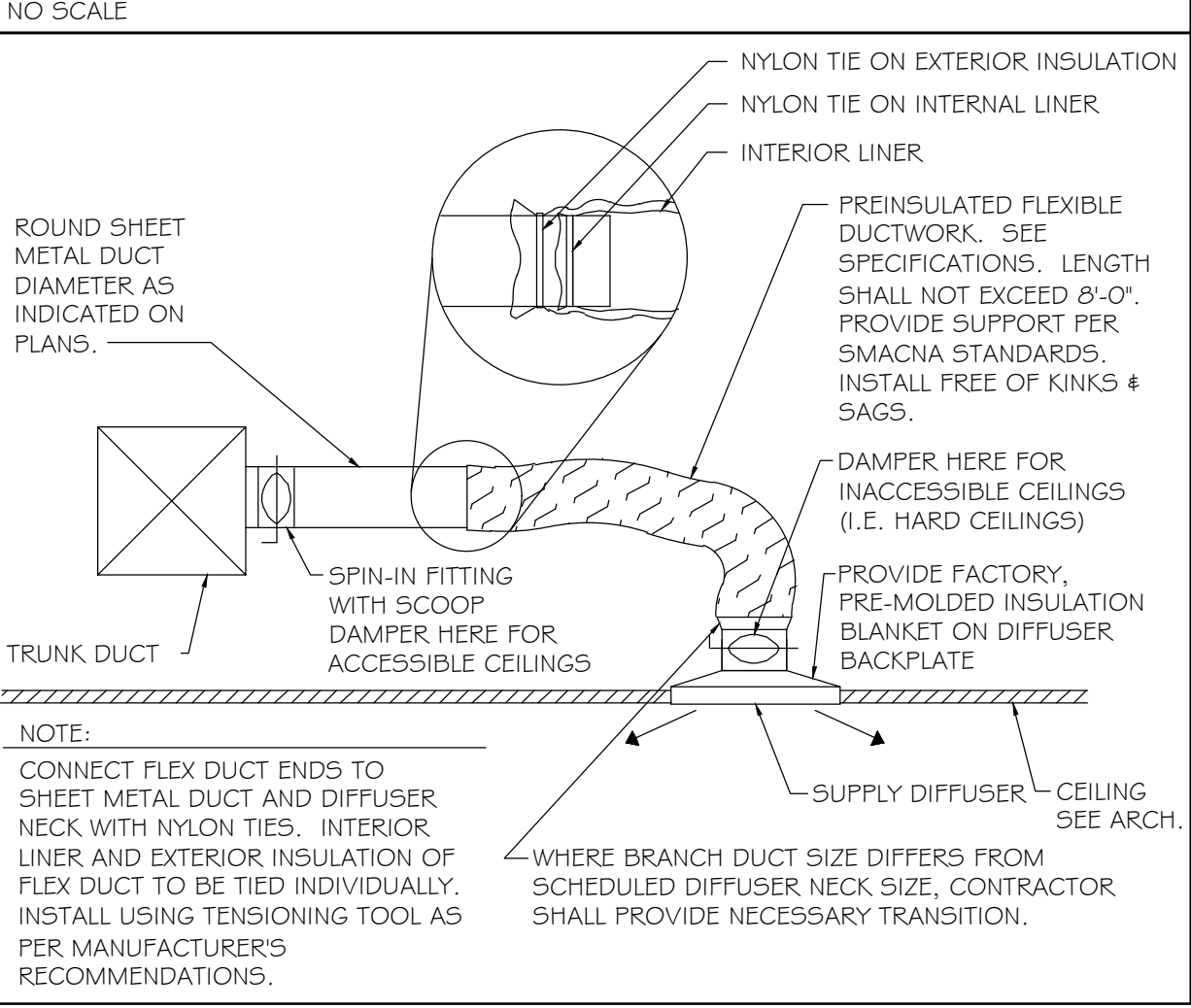
1. FAN SPEED CONTROLLER.  
2. FACTORY DISCONNECT SWITCH/PLUG.  
3. GRAVITY BACKDRAFT DAMPER.  
4. FACTORY INSULATED ROOF CURB.

UNIT HEATER - ELECTRIC

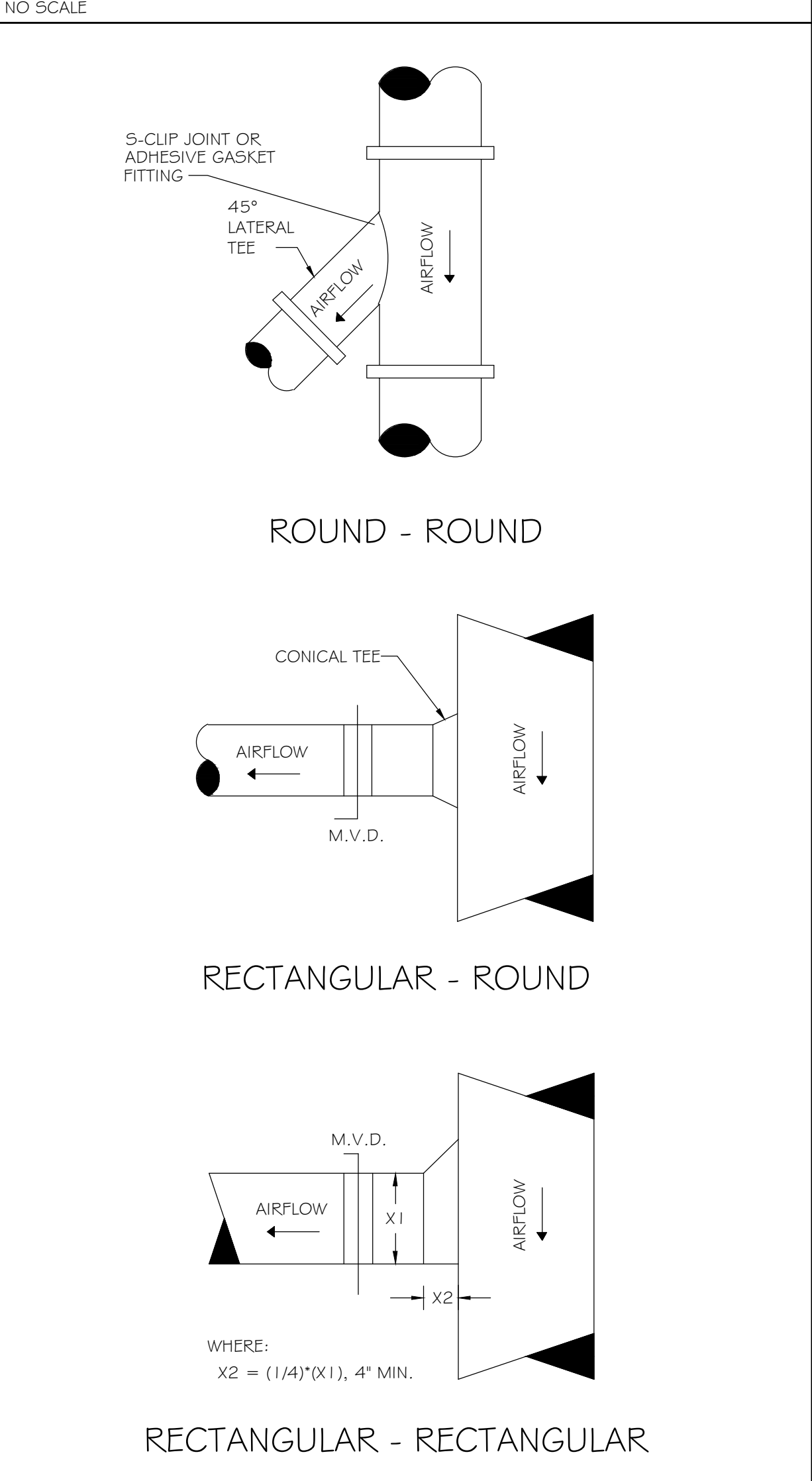
MARK	FAN		HEATING		BASIS OF DESIGN	WEIGHT (LBS)
	AIRFLOW (CFM)	MOTOR (HP)	KW	STAGES		
EH-A	350	1/100	5.0	2	QMARK MUH	27.0

- NOTES: (APPLY TO ALL)
- A. DISCONNECT SWITCH PROVIDED BY THE ELECTRICAL SUBCONTRACTOR.  
B. 24V CONTROL TRANSFORMER AND REMOTE / WALL MOUNTED THERMOSTAT. THERMOSTAT SET TO 50°F.  
C. AUTOMATIC THERMAL CUT-OUT.  
D. FAN DELAY.  
E. ADJUSTABLE DISCHARGE LOUVERS.

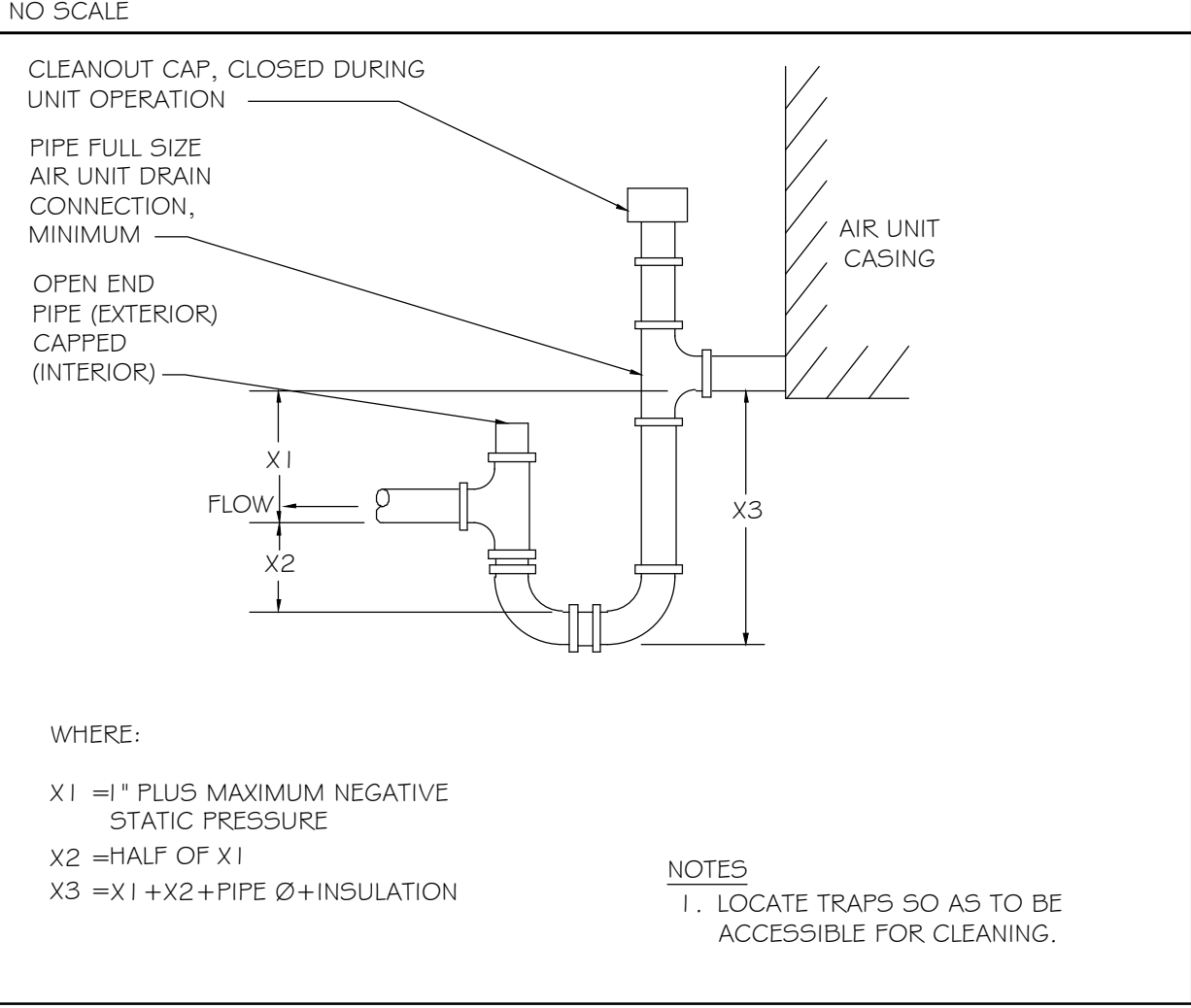
DIFFUSER TAKE-OFF DETAIL



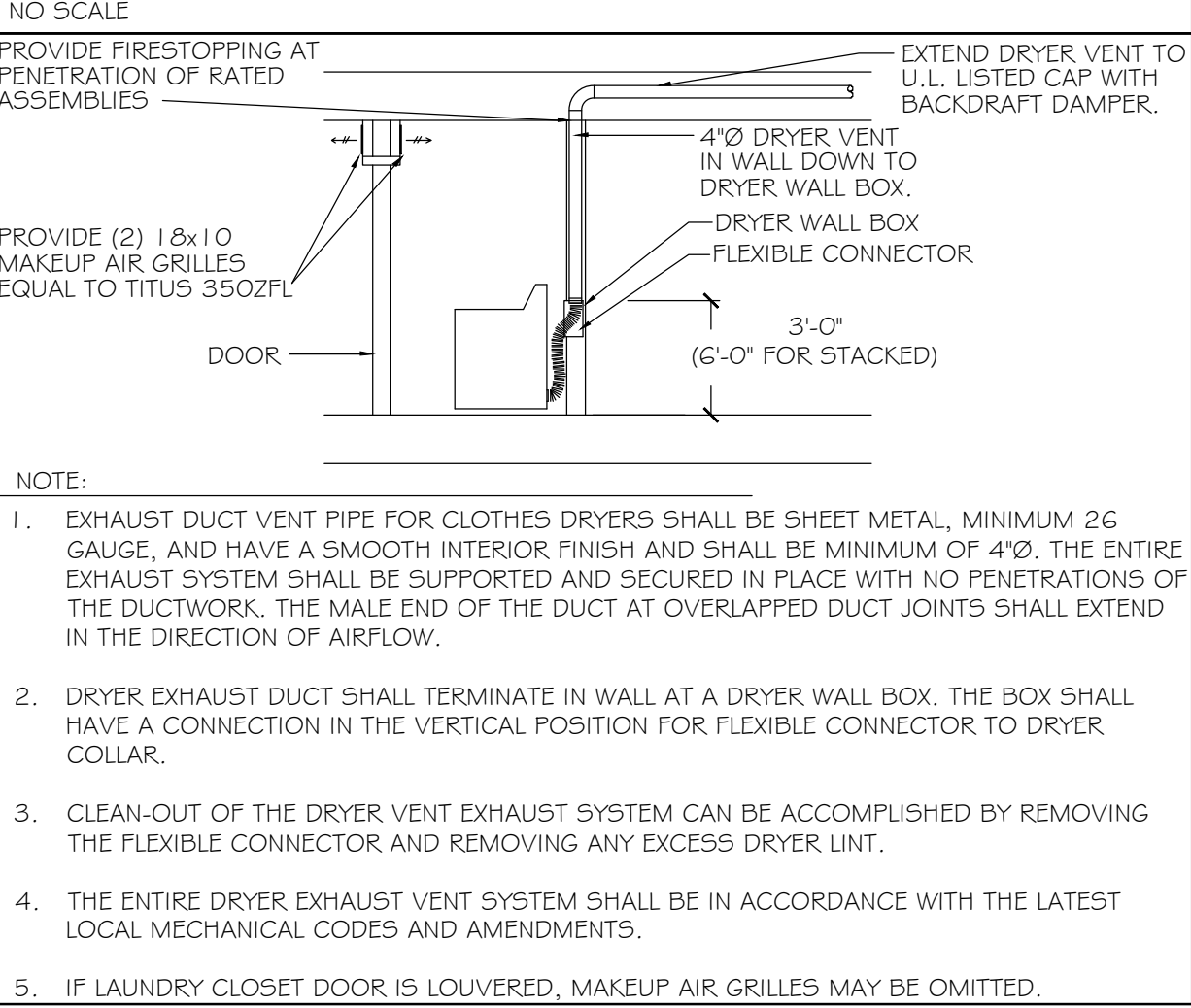
DUCTWORK DETAILS



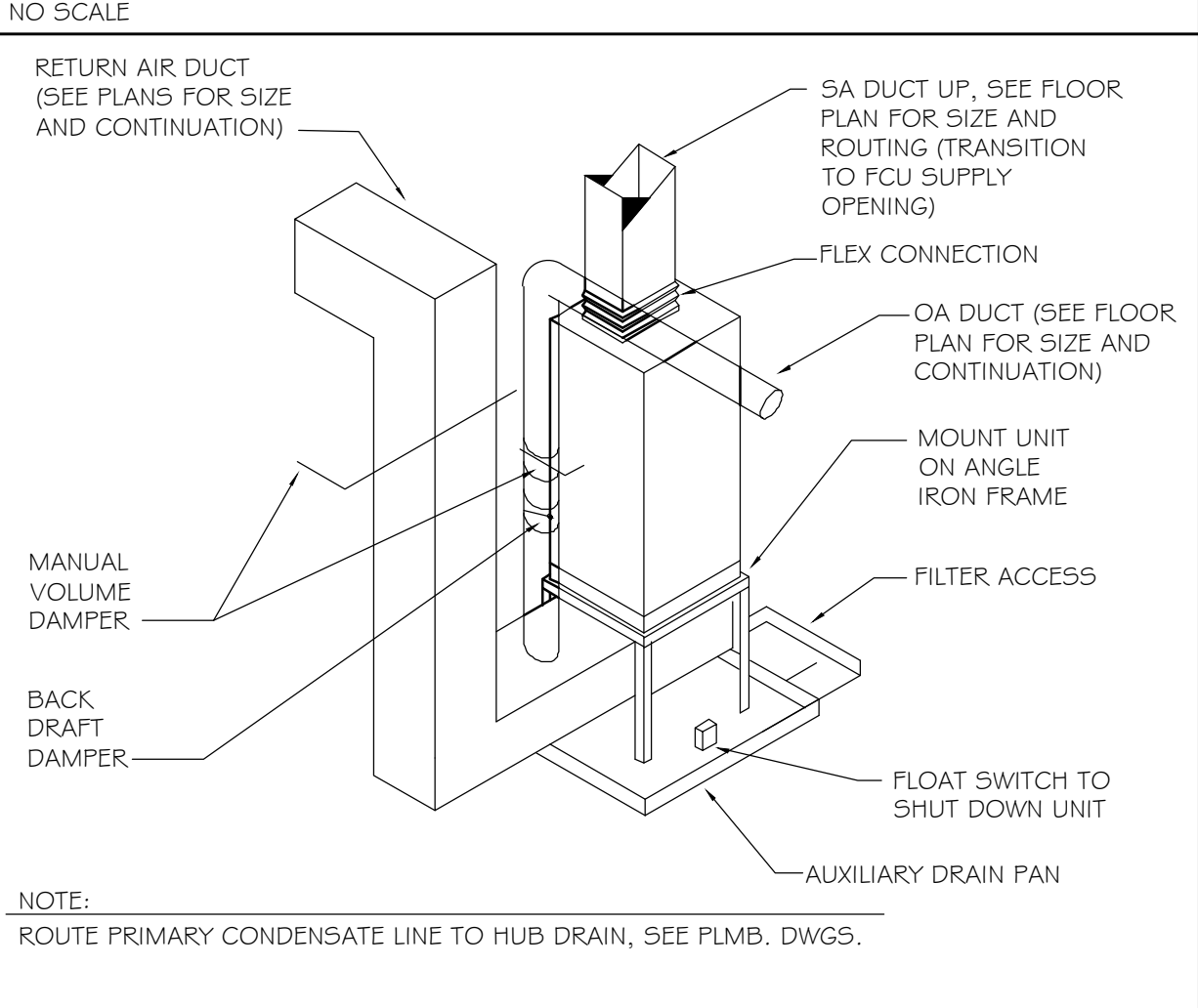
CONDENSATE TRAP (DRAW THROUGH UNIT)



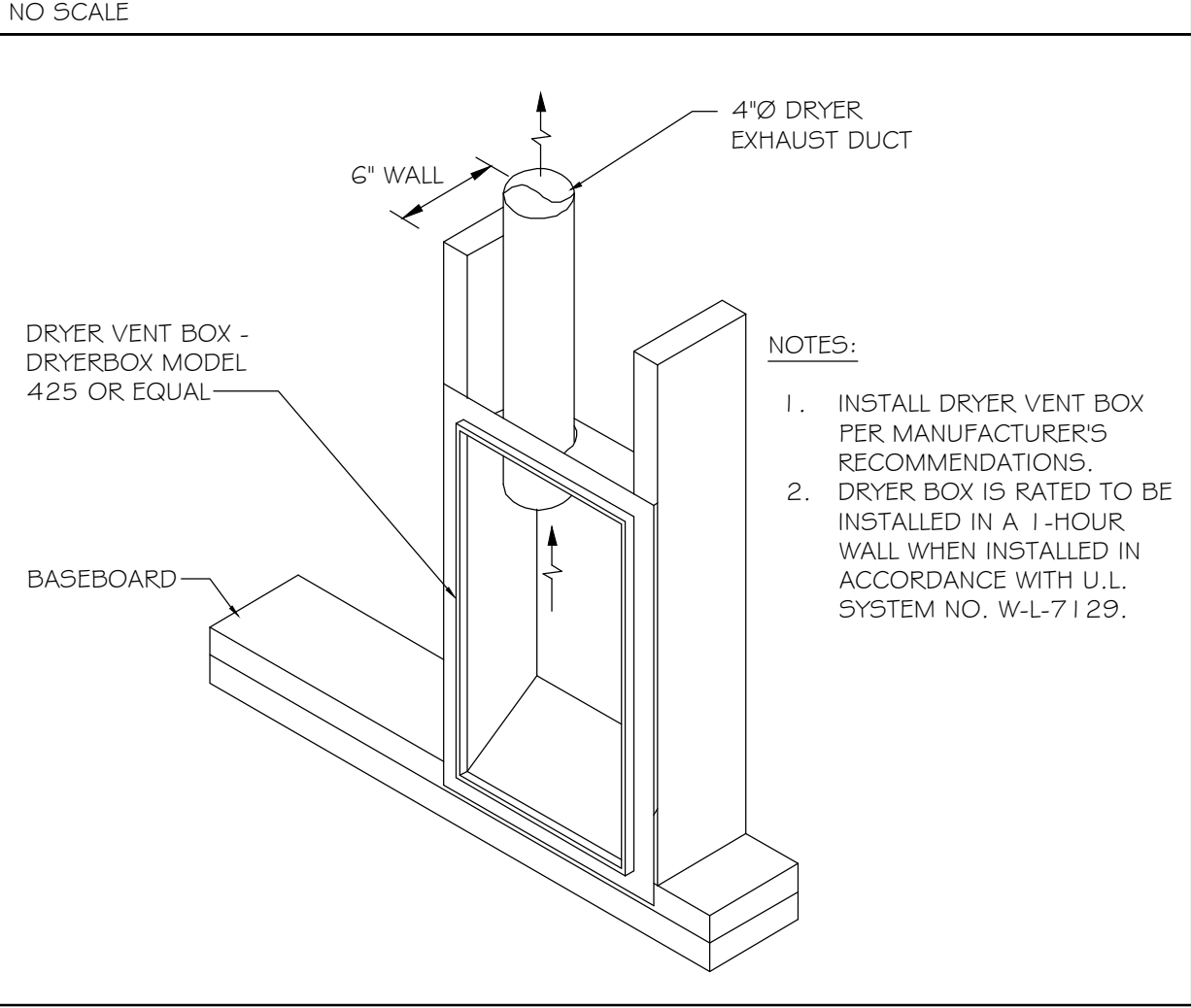
DRYER EXHAUST DETAIL



VERTICAL FAN COIL UNIT DETAIL

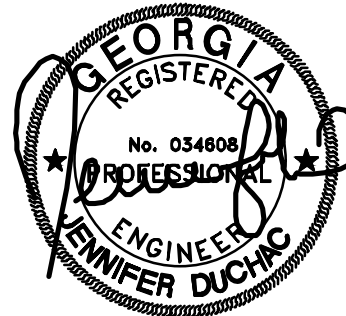


DRYER VENT WALL BOX DETAIL



Union County  
Fire Station

Harbor Boulevard  
at  
Murphy Highway  
Blairsville, Georgia  
30512



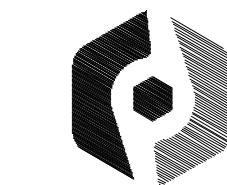
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REVISIONS

No. Date Description

02.15.22 BID SET



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ENGINEERING  
INC.  
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Peachtree Corners, Georgia 30092  
404.253.9199  
PROJECT # 121564

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Smith  
Tench &  
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404.521.2118 (f)

PROJECT NO.

20112

SHEET TITLE

DETAILS AND  
SCHEDULES

SHEET NO.

MO.02





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PROJECT NO.

20112

SHEET TITLE

FLOOR PLAN

SHEET NO.

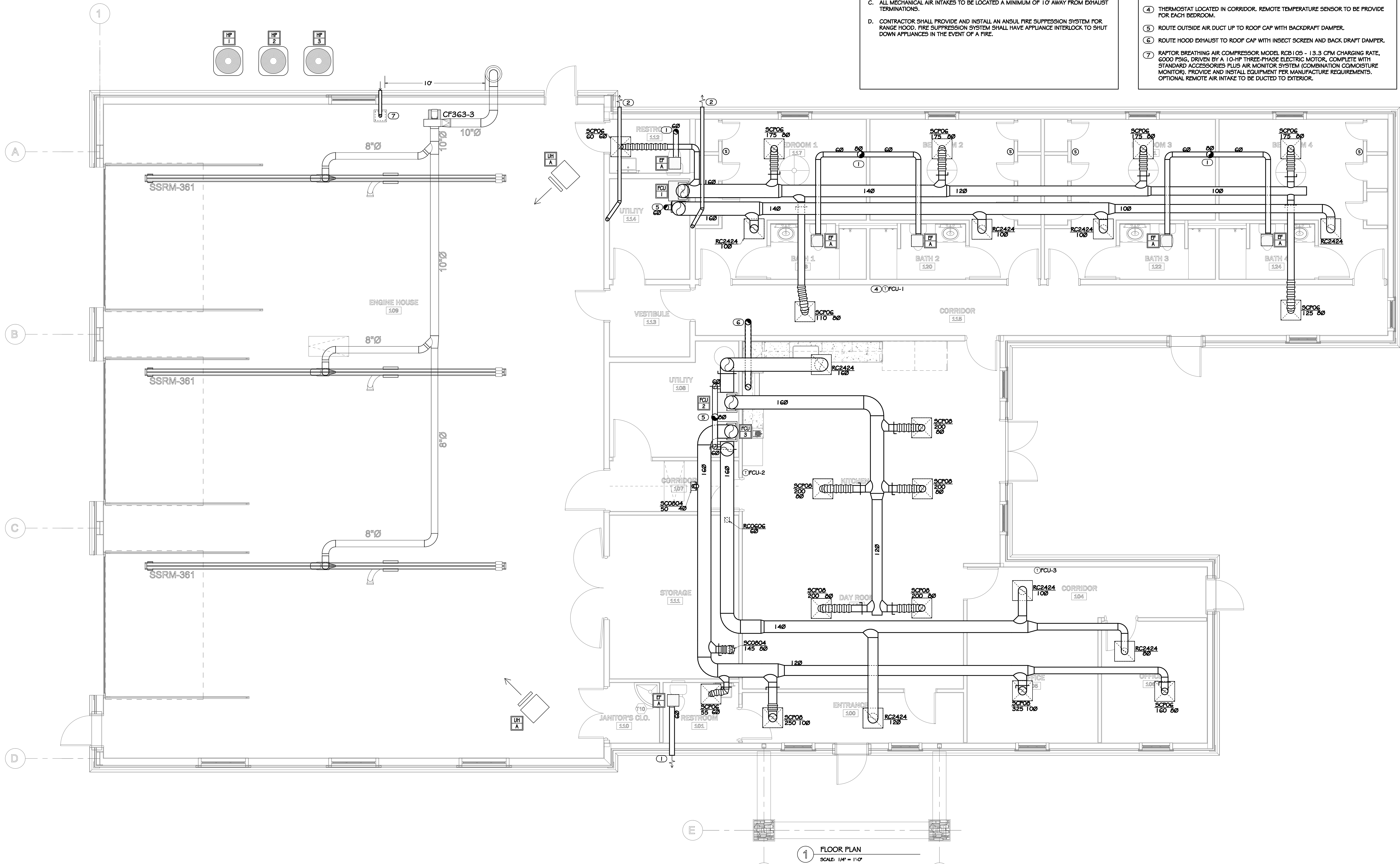
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GENERAL NOTES

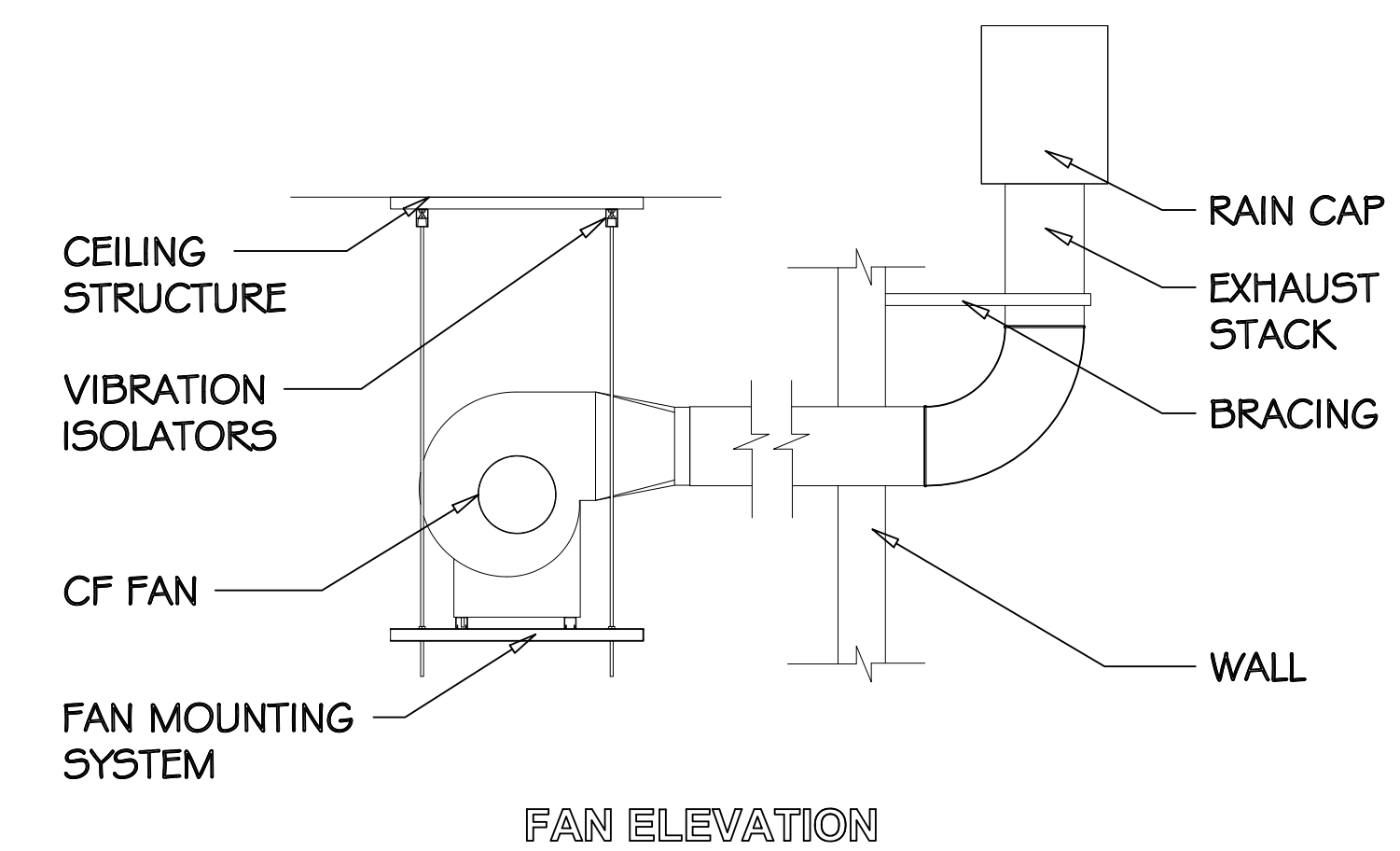
- EACH SUPPLY DIFFUSER/REGISTER RUNOUT SHALL BE PROVIDED WITH A VOLUME DAMPER. REFER TO THE DIFFUSER TAKE-OFF DETAIL FOR ADDITIONAL INFORMATION.
- DRAWINGS ARE DIAGRAMMATIC ONLY; FINAL ROUTING OF DUCTWORK AND EQUIPMENT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL OFFSETS, ELBOWS, ETC. SHALL BE PROVIDED AND INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER.
- ALL MECHANICAL AIR INTAKES TO BE LOCATED A MINIMUM OF 1'0" AWAY FROM EXHAUST TERMINATIONS.
- CONTRACTOR SHALL PROVIDE AND INSTALL AN ANSUL FIRE SUPPRESSION SYSTEM FOR RANGE HOOD. FIRE SUPPRESSION SYSTEM SHALL HAVE APPLIANCE INTERLOCK TO SHUT DOWN APPLIANCES IN THE EVENT OF A FIRE.

KEYNOTES

- ROUTE BATHROOM EXHAUST TO ROOF CAP WITH INSECT SCREEN AND BACK DRAFT DAMPER.
- 4"Ø LAUNDRY DRYER EXHAUST DUCTWORK ROUTED TO WALL CAP WITH INTEGRAL BACKDRAFT DAMPER. WALL CAP COLOR AND FINISH SHALL BE SELECTED BY ARCHITECT.
- 3/4" DOOR UNDERCUT.
- THERMOSTAT LOCATED IN CORRIDOR. REMOTE TEMPERATURE SENSOR TO BE PROVIDE FOR EACH BEDROOM.
- ROUTE OUTSIDE AIR DUCT UP TO ROOF CAP WITH BACKDRAFT DAMPER.
- ROUTE HOOD EXHAUST TO ROOF CAP WITH INSECT SCREEN AND BACK DRAFT DAMPER.
- RAPTOR BREATHING AIR COMPRESSOR MODEL RCB10S - 13.3 CFM CHARGING RATE, 6000 PSIG, DRIVEN BY A 1.0-HP THREE-PHASE ELECTRIC MOTOR, COMPLETE WITH STANDARD ACCESSORIES PLUS AIR MONITOR SYSTEM (COMBINATION COMMOISTURE MONITOR). PROVIDE AND INSTALL EQUIPMENT PER MANUFACTURE REQUIREMENTS. OPTIONAL REMOTE AIR INTAKE TO BE DUCTED TO EXTERIOR.









SPECIFICATIONS

GENERAL
CONTRACTOR SHALL REFER TO ALL RELATED DOCUMENTS, ARCHITECTURAL, STRUCTURAL, CIVIL, AND MEP DRAWINGS, AND FULLY UNDERSTAND THE SCOPE OF WORK AND CONDITION OF CONSTRUCTION.
THE WORK UNDER THIS SPECIFICATIONS AND DRAWINGS SHALL INCLUDE ALL LABOR.
ALL INSTALLATION OF DEVICES AND CONNECTION OF CONDUCTORS SHALL BE PERFORMED BY LICENSED AND SKILLED ELECTRICIAN OR JOURNEMAN.
ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE OWNER. IF ANY PORTION OF THE WORK IS FOUND UNSATISFACTORY BY THE OWNER, IT SHALL BE REMOVED AND REINSTALLED WITHOUT DELAY AT NO COST TO THE OWNER.
THE WORK INCLUDES, BUT NOT LIMITED TO: THE COMPLETE ELECTRICAL DISTRIBUTION SYSTEM. ROUGH-IN AND FINAL CONNECTIONS TO ALL DEVICES REQUIRING ELECTRICAL POWER, INCLUDING OWNER PROVIDED EQUIPMENT. LIGHTING CONTROL. LIGHTING FIXTURES
EACH CONTRACTOR SHALL OBTAIN ALL PERMITS AND INSPECTIONS REQUIRED BY THE REGULATORY AUTHORITIES. ALL FEES RELATED TO OBTAINING PERMITS AND INSPECTION SHALL BE PAID FOR BY EACH CONTRACTOR IN HIS TRADE.
ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH LOCAL, COUNTY, STATE, AND NATIONAL ELECTRICAL CODE 2020, SPECIFICATIONS, UTILITY COMPANY REQUIREMENTS AND ALL INDUSTRY STANDARDS.
ANY DIFFERENCES IN ABOVE MENTIONED REQUIREMENTS, THE MOST STERN SHALL OVERRULE ALL OTHERS.
IN ADDITION TO ABOVE MENTIONED CODES AND SPECIFICATIONS, THE FOLLOWING INDUSTRY STANDARDS SHALL BE COMPUED IF THEY ARE MORE STRINGENT. IEEE IES IECC 2015 ASHRAE 90.1 NFPA NEMA UL ADA
THE MANUFACTURER'S PUBLISHED DIRECTIONS SHALL BE FOLLOWED IN THE DELIVERY, STORAGE, PROTECTION, INSTALLATION AND WIRING OF ALL EQUIPMENT AND MATERIAL.
THE DRAWINGS SHOW DIAGRAMMATICALLY THE LOCATIONS OF THE VARIOUS LINES, CONDUITS, FIXTURES, AND EQUIPMENT AND THE METHOD OF CONNECTING AND CONTROLLING THEM. IT IS NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL AND ALL FITTINGS REQUIRED FOR A COMPLETE SYSTEM. THE SYSTEMS SHALL INCLUDE BUT ARE NOT LIMITED TO THE ITEMS SHOWN ON THE DRAWINGS. EXACT LOCATIONS OF THESE ITEMS SHALL BE DETERMINED BY REFERENCE TO THE GENERAL PLANS AND MEASUREMENTS AT THE BUILDING AND IN COOPERATION WITH THE OTHER SUBCONTRACTORS, AND IN ALL CASES, SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER. THE OWNER RESERVES THE RIGHT TO MAKE ANY REASONABLE CHANGE IN THE LOCATION OF ANY PART OF THIS WORK WITHOUT ADDITIONAL COST TO THE OWNER.
CONTRACTOR SHALL SEEK APPROVAL FROM THE OWNER FOR ANY CHANGES TO THE SPECIFICATIONS OR CONTRACT DOCUMENTS.
ANY EXCEPTIONS, INCONSISTENCIES AND CONFLICTS IN CONTRACT DOCUMENTS, SPECIFICATIONS AND CONTRACT DOCUMENTS BY OTHER TRADE SHALL BE BROUGHT TO ATTENTION TO THE OWNER PRIOR TO BID.
CONTRACTOR SHALL COORDINATE AND VERIFY THE WORK WITH EXISTING CONDITIONS AND THE WORK OF OTHER TRADE PRIOR TO ANY FABRICATIONS OR INSTALLATION. IF THE LAYOUT OF THE DEVICES ON DRAWINGS ARE IMPRACTICAL TO THE CONDITION IN FIELD, CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY PRIOR TO ANY FABRICATION OR INSTALLATION.
ELECTRICAL DEVICES ARE INDICATED ON DRAWINGS AT APPROXIMATE LOCATIONS. THE OWNER RESERVE THE RIGHT TO MAKE REASONABLE CHANGES IN LOCATIONS WITHOUT ADDITIONAL COSTS.
THE LINES INDICATING BRANCH CIRCUITS DO NOT REPRESENT THE ROUTING OF ELECTRICAL CONDUITS. THEY INDICATE THE LAYOUT AND CONTROL OF CIRCUITS.
PRODUCTS AND WORK
MATERIALS FURNISHED SHALL BE NEW AND BY STANDARD MANUFACTURERS AND MUST CONFORM TO THE NATIONAL BOARD OF FIRE UNDERWRITER'S REQUIREMENTS AND BEAR THE UNDERWRITERS LABORATORIES' SEAL OF APPROVAL.
LISTED MANUFACTURERS, MODELS, OR CATALOGUE NUMBERS IN PART OR ALL SHALL ENTAIL TO INCLUDE THE PUBLISHED MANUFACTURER'S DESCRIPTION AND SPECIFICATION.
CONTRACTOR SHALL NOT INTERPRET THAT THE LISTED MANUFACTURERS IN SPECIFICATIONS OR DRAWINGS TO EXCLUDE ALL OTHER MANUFACTURERS
CONTRACTOR SHALL MAKE CERTAIN THAT ALL EQUIPMENT FIT IN THE SPACE DESIGNATED AND DESIGNED FOR THE SURROUNDINGS IT OCCUPIES.
COMPLETE CATALOGUE ILLUSTRATION AND DESCRIPTIONS OF ALL EQUIPMENT SHALL BE SUBMITTED TO THE OWNER PRIOR TO ORDERING ANY EQUIPMENT.
ALL HORIZONTAL RUNS OF CONDUITS SHALL BE SUPPORTED BY MEANS OF APPROVED HANGER FROM THE STRUCTURAL CEILING.
COORDINATE THE WORK UNDER THIS SECTION WITH ALL OTHER TRADES.
CONDUITS AND RACEWAYS:
MANUFACTURERS: SQUARE D, B-LINE, ALLIED TUBE & CONDUIT, HOFFMAN, CARLON ELECTRICAL, WIREMOLD.
OUTDOORS EXPOSED: RIGID STEEL. OUTDOORS CONCEALED ABOVE GROUND: RIGID STEEL. OUTDOORS UNDERGROUND: TYPE EPC-40-PVC OUTDOORS CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND MOTOR DRIVEN EQUIPMENT): LFMC. BOXES AND ENCLOSURES ABOVE GROUND: NEMA 3R UNLESS NOTED OTHERWISE ON PLANS. INDOORS EXPOSED NOT SUBJECT TO PHYSICAL DAMAGE: EMT. INDOORS EXPOSED NOT SUBJECT TO SEVERE PHYSICAL DAMAGE: EMT. INDOORS EXPOSED SUBJECT TO SEVERE PHYSICAL DAMAGE: RIGID STEEL CONDUIT. INDOORS CONCEALED IN CEILINGS AND INTERIOR WALLS AND PARTITIONS: EMT. INDOORS CONNECTION TO VIBRATING EQUIPMENT: FMC, EXCEPT USE LFMC IN DAMP OR WET LOCATIONS. INDOORS DAMP OR WET LOCATIONS: IMC. INDOORS CONNECTION TO VIBRATING EQUIPMENT: FMC, EXCEPT USE LFMC IN DAMP OR WET LOCATIONS. INDOORS LOW-VOLTAGE CABLES: EMT.
CONDUCTORS:
COPPER CONDUCTORS #10 AND SMALLER: LABELED PER UL 83, TYPE THHN/THWN, SOLID COPPER 600 VOLT INSULATION, UNIFORM COLOR CODED JACKET WITH JACKET DATA. METAL CLAD (TYPE MC) CABLE WHERE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 330.
COPPER CONDUCTORS #8 OR LARGER: LABELED PER UL 83, TYPE THHN/THWN, STRANDED COPPER, 600VOLT INSULATION, UNIFORM COLOR CODED JACKET WITH JACKET DATA.
ACCEPTABLE MANUFACTURERS OF CONDUCTORS: PIRELLIE SOUTHWIRE AETNA REPUBLIC APC ENCORE WIRE KERITE
CONTRACTOR MAY USE ALUMINUM CONDUCTORS FOR #4 AWG OR LARGER IN THE PLACE OF COPPER CONDUCTORS. CONTRACTOR SHALL REFER TO NEC TABLE 310-16 FOR EQUIVALENT AMPACITY AND SHALL COMPENSATE FOR VOLTAGE DROP.

SPECIFICATIONS

MOLDED CASE CIRCUIT BREAKER:
INCLUDE SCHEDULE OF ALL FUSES, RATINGS, TIME COORDINATION DATA, MANUFACTURERS STANDARD DATA AND TIME-CURRENT CURVES. ALL DATA SHALL BE BASED ON TEST OF STANDARD PRODUCTS.
APPROVED MANUFACTURERS: GENERAL ELECTRIC CUTLER HAMMER SQUARE D SIEMENS
THERMAL-MAGNETIC BOLT-IN TYPE CIRCUIT BREAKERS WITH QUICK-MAKE, QUICK-BREAK CONTACTS; TRIP-FREE OPERATION WITH OVER-THE-CENTER TOGGLE HANDLE OR NON-REMOVABLE MONOLITHIC TIE-HANDLE.
MULTI-POLE BREAKERS SHALL HAVE INTERNAL COMMON TRIP AND COMMON RESET WITH A SINGLE TOGGLE HANDLE OR NON-REMOVABLE MONOLITHIC TIE-HANDLE.
TRIP RATINGS SHALL BE MOLDED ON THE HANDLE OR FACE OF BREAKER.
BREAKER TERMINALS SHALL BE RATED TO ACCOMMODATE A MINIMUM OF 75 DEGREE C. CONDUCTORS.
BREAKER SHALL BE RATED FOR MOUNTING AND OPERATION IN ANY POSITION; SHALL ACCOMMODATE AND MATCH THE TYPE OF TERMINATIONS REQUIRED.
SINGLE POLE BREAKERS RATED 15 AND 20 AMPERES SHALL BE UL LABELED AS "SWITCHING BREAKERS" AT THE APPLIED CIRCUIT VOLTAGE.
MULTI-POLE BREAKERS RATED 100 AMPERES AND LARGER SHALL BE MOLDED CASE THERMAL-MAGNETIC BOLT-IN TYPE BREAKER WITH ADJUSTABLE INSTANTANEOUS TRIP.
LIGHTING FIXTURE
SUBMITTAL:
SCHEDULE BY TYPE DESIGNATION ALL LIGHTING FIXTURES, EACH COMPLETE WITH DATA SHEET WITH COMPLETE PHYSICAL, ELECTRICAL AND LIGHTING CHARACTERISTICS, LAMP TYPE AND LAMP DATA.
REFER TO THE "LIGHTING FIXTURE SCHEDULE" IN THE DRAWINGS FOR INDIVIDUAL FIXTURE DESCRIPTIONS AND MANUFACTURER TYPES.
PROVIDE LAMPS FOR EACH FIXTURE OF QUANTITY, TYPE AND COLOR AS LISTED IN LIGHTING FIXTURE SCHEDULE. GE, Sylvania OR PHILIPS ARE ACCEPTABLE.
EACH LIGHTING FIXTURE SHALL BE UL LABELED FOR PROPER OPERATION IN THE TYPE OF CEILING CONSTRUCTION AND FOR THE MOUNTING ARRANGEMENT OWIN WHICH IT IS INSTALLED.
FIELD VERIFY ACTUAL CEILING SLOPE FOR FIXTURES INSTALLED IN SAME AND ACTUAL FIELD DIMENSIONS AND ANGLES OF CONSTRUCTION FOR ANY FIXTURE CONFORMING THE SHAPE AND LENGTH OF SAME, FOR COORDINATION OF FIXTURE CONSTRUCTION.
PANELBOARD
SUBMITTAL:
INCLUDE SCHEDULE OF EACH PANELBOARD WITH ALL DEVICES AND COMPLETE WITH PHYSICAL AND ELECTRICAL DATA AND WITH RATINGS FOR EACH COMPONENT INCLUDING BREAKER/FUSE OVERLAY CURVES.
LABELED PER UL #67 AND #50, CONFORM WITH NEMA #250 AND PB1, NFPA #70-384 AND 70-373.
ALL JUNCTION BOXES SHALL BE LABELED WITH PANEL AND CIRCUIT DESIGNATION.
PROVIDE TYPED CIRCUIT DIRECTORY WITH EACH CIRCUIT SERVING DEVICES AND AREA ITS SERVING.
APPROVED MANUFACTURERS: GENERAL ELECTRIC CUTLER HAMMER SQUARE D SIEMENS
LIGHTING CONTROL
TIME SWITCHES:
SOLID STATE, PROGRAMMABLE, WITH ALPHANUMERIC DISPLAY; COMPLYING WITH UL 917, 20-A BALLAST LOAD, 120/240VAC.
TWO ON-OFF SET POINTS ON A 24-HOUR SCHEDULE AND ANNUAL HOLIDAY SCHEDULE THAT OVERRIDES THE WEEKLY OPERATION ON HOLIDAYS.
ALLOW CONNECTION OF A PHOTOELECTRIC RELAY AS SUBSTITUTE FOR ON-OFF FUNCTION OF A PROGRAM
BATTERY BACKUP FOR NOT LESS THAN SEVEN DAYS RESERVE TO MAINTAIN SCHEDULES AND TIME CLOCK.
INDOOR OCCUPANCY SENSORS:
WALL OR CEILING MOUNTED SOLID-STATE INDOOR OCCUPANCY SENSORS WITH A SEPARATE POWER PACK.
ADJUSTABLE TIME-DELAY OVER A RANGE OF 1 TO 30 MINUTES.
ELECTRIC RECEPTACLES, SWITCHES, OUTLETS, ETC. SHALL NOT BE INSTALLED BACK TO BACK ON FIRE RESISTANCE RATED WALLS. THEY SHALL BE AT LEAST 24-INCHES APART.
POWER PACK: DRY CONTACTS RATED FOR 20-A BALLAST LOAD AT 120 OR 277 VAC. AUTOMATIC LIGHT-LEVEL SENSOR: ADJUSTABLE FROM 2 TO 200 FC (21.5 TO 2152 LUX); TURN LIGHTS OFF WHEN SELECTED LIGHTING LEVEL IS PRESENT.
DUAL SENSOR TYPE: DETECT OCCUPANCY AREA USING PIR (PASSIVE INFRA-RED) AND ULTRASONIC DETECTION METHOD.
GROUNDING AND BONDING
ALL GROUNDING AND BONDING SHALL CONFORM TO NEC ARTICLE 250.
COPPER WIRE OR CABLE INSULATED FOR 600V UNLESS REQUIRED BY APPLICABLE CODE OR AUTHORITIES HAVING JURISDICTION.
INSTALL SOLID CONDUCTOR FOR #8 AWG AND SMALLER AND STRANDED CONDUCTORS FOR #6 OR LARGER.
INSTALL INSULATED EQUIPMENT GROUNDING CONDUCTORS FOR ALL EQUIPMENT.

ELECTRICAL GENERAL NOTES

THE DESIGN OF THIS SET OF DOCUMENT IS BASED ON NEC 2020.
ELECTRICAL CONTRACTOR SHALL REFER TO ALL OTHER DESIGN DRAWINGS PRIOR TO BID AND RETAIN FULL UNDERSTANDING OF THE SCOPE OF WORK.
FIXTURE TYPE INDICATED BY UPPER CASE CHARACTERS, SWITCHING AND GROUPING DESIGNATED BY LOWER CASE LETTER AND CIRCUIT BY NUMBER (WHERE APPLICABLE).
REFER TO THE ARCHITECTURAL/INTERIORS REFLECTED CEILING PLANS FOR EXACT FIXTURE PLACEMENT AND DIMENSIONS.
REFER TO THE ARCHITECTURAL/INTERIORS DOCUMENTS FOR ACTUAL DEVICE LOCATIONS AND DIMENSIONS.
COORDINATE THE INSTALLATION OF ALL CEILING MOUNTED DEVICES (FIRE ALARM SYSTEM DEVICES AND SPEAKERS, SOUND SYSTEM SPEAKER, ETC.) TO BE SYMMETRICAL ABOUT LIGHT FIXTURES AND SPRINKLER HEADS. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.
ALL MOUNTING OF EQUIPMENT IS AS SHOWN UNLESS OTHERWISE NOTED. COORDINATE WITH ARCHITECT THE COLOR/FINISHES OF ALL ELECTRICAL DEVICES, OUTLETS, COVERPLATES AND TRIM.
EMERGENCY BATTERY PACKS AND EXIT SIGNS SHALL BE CONNECTED AHEAD OF ANY SWITCHING DEVICES.
REFER TO MECHANICAL DRAWINGS FOR DUCT SMOKE DETECTOR LOCATIONS AND QUANTITIES OPERATION SHALL INCLUDE DUAL CONTACT BASE WITH LOCAL EQUIPMENT SHUTDOWN AND FIRE ALARM SIGNAL INITIATION.
WHEN CONDUCTOR OR CONDUIT SIZE IS INDICATED FOR BRANCH CIRCUIT HOME RUN, THE CONDUCTOR AND CONDUIT SIZE INDICATED SHALL BE USED FOR THE COMPLETE CIRCUIT.
REFER TO THE APPROPRIATE DRAWINGS FOR THE EXACT LOCATION AND REQUIREMENTS OF EQUIPMENT INSTALLED UNDER OTHER DIVISIONS OF THE DOCUMENTS, WHICH REQUIRE ELECTRICAL SERVICE.
EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSTALLED IN ALL RACEWAYS.
WALL SWITCHES CONTROLLING CIRCUITS OF OPPOSITE PHASES SHALL NOT BE INSTALLED IN COMMON BOX UNLESS PERMANENT BARRIER IS PROVIDED.
ALL HOME RUNS SHALL RUN PARALLEL TO STRUCTURE AS MUCH AS POSSIBLE WHERE CEILING IS EXPOSED.
ALL RACEWAY AND EQUIPMENT SUPPORTS AND HANGERS SHALL BE FULLY COORDINATED WITH STRUCTURAL DRAWINGS TO INSURE LOCATION OF SAME OCCURS WITHIN FOUR (4) INCHES OF PANEL POINT ON BAR JOISTS.
COORDINATE LOCATION OF ALL FLOOR MOUNTED MECHANICAL AND PLUMBING EQUIPMENT IN ORDER TO VERIFY POWER & CONTROL RACEWAY CONCEALED IN SLABS TERMINATED AT PROPER LOCATION.
DISCONNECT SWITCHES, MOTOR STARTERS AND OTHER ELECTRICAL EQUIPMENT INSTALLED ABOVE ACCESSIBLE CEILINGS, AND REQUIRING ACCESS FOR MAINTENANCE, SHALL BE INSTALLED WITH BOTTOM OF DEVICE ONE (1) FOOT ABOVE CEILING TO PROVIDE READY ACCESSIBILITY.
MECHANICAL, PLUMBING, FIRE PROTECTION AND OTHER EQUIPMENT ARE SHOWN ON FLOOR PLAN IN APPROXIMATE LOCATION. COORDINATE WITH M, P, FP AND CONTRACT DRAWINGS/SUBMITTALS FOR EXACT LOCATION OF EQUIPMENT.
GENERAL DIAGRAMATIC RACEWAY INTERCONNECTIONS OF EQUIPMENT, FIXTURES AND DEVICES ARE INDICATED ON FLOOR AND REFLECTED CEILING PLANS, REFER TO STRUCTURAL AND ARCHITECTURAL PLANS FOR ELEVATION CHANGES AND RACEWAY ROUTES.
RACEWAY FOR EXTERIOR LIGHTING MAY BE INDICATED OUTSIDE OF BUILDING FOOTPRINT FOR CLARITY. ROUTE ALL EXTERIOR LIGHTING RACEWAY WITHIN BUILDING STRUCTURE.
POWER AND COMMUNICATIONS/DATA CONDUITS CAN CROSS AT 90°, BUT WHERE PARALLEL, SHALL BE A MINIMUM OF 8" APART.
TELEVISION AND RADIO ANTENNAS CABLES SHALL HAVE SURGE PROTECTION. GROUND ALL MASTS.
PROVIDE SURGE PROTECTION FOR ELECTRICAL AND TELEPHONE SERVICES.
PROVIDE TVSS FOR FIRE ALARM CONTROL PANEL.
FIELD COORDINATE MECHANICAL AND PLUMBING EQUIPMENT ELECTRICAL CHARACTERISTICS WITH DIV 15 CONTRACTOR PRIOR TO ROUGH-IN. ADJUST ELECTRICAL CONNECTIONS IF NECESSARY TO MATCH ACTUAL EQUIPMENT IN FIELD. FOR EXAMPLE, COORDINATE THE NAMEPLATE OVERCURRENT PROTECTION DEVICE RATING OF MECHANICAL EQUIPMENT AMONG MECHANICAL AND ELECTRICAL SUBCONTRACTORS. ADJUST CIRCUIT BREAKER TO MATCH NAMEPLATE RATING OF EQUIPMENT AT NO ADDITIONAL COST.
FIELD COORDINATE MECHANICAL AND PLUMBING EQUIPMENT REQUIREMENTS FOR ANY SUPPLEMENTAL POWER REQUIREMENTS, INCLUDING BUT NOT LIMITED TO CONTROL CIRCUITS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BRING ALL EQUIPMENT TO ITS INTENDED OPERATIONAL STATUS.
REFER TO FIRE PROTECTION DRAWINGS FOR LOCATIONS OF FLOW AND TAMPER SWITCHES.
EACH PENETRATION OF A FIRE RESISTANT RATED ASSEMBLY BY A PIPE, TUBE WIRE OR CONDUIT SHALL BE PROTECTED BY A THROUGH PENETRATION FIRE STOP SYSTEM THAT HAS BEEN TESTED ACCORDING TO ASTM E 814 OR E 199.
ELECTRIC RECEPTACLES, SWITCHES, OUTLETS, ETC. SHALL NOT BE INSTALLED BACK TO BACK ON FIRE RESISTANCE RATED WALLS. THEY SHALL BE AT LEAST 24-INCHES APART.
LIGHT SWITCHES AND ELECTRICAL OUTLETS, LOCATED IN ROOMS ACCESSIBLE TO THE DISABLED SHALL BE LOCATED NO HIGHER THAN 48 INCHES AND NO LOWER THAN 15 INCHES ABOVE THE FINISHED FLOOR SURFACE. IF THE REACH OR THE CONTROL IS OVER AN OBSTRUCTION, THE MINIMUM HEIGHT SHALL BE REACHED TO 44 INCHES FOR A FORWARD APPROACH OR 46 INCHES FOR A SIDE APPROACH.
REFER TO LOW VOLTAGE CONSULTANTS DRAWINGS FOR VOICE, DATA AND CATV OUTLET LOCATIONS. REFER TO LV CONSULTANTS DRAWINGS FOR ANY ADDITIONAL INFORMATION.
CONNECT ALL EXIT SIGNS TO NEAREST UNSWITCHED PORTION OF THE LIGHTING CIRCUIT IN THE AREA.
ELECTRICAL BOXES INSTALLED IN FIRE RATED WALLS SHALL MAINTAIN THE INTEGRITY OF THE RATED WALL.
SUPPORT ALL VERTICAL RACEWAY PER NEC TABLE 300.19(A).
MAKE ELECTRICAL CONNECTIONS TO ELECTRIC WATER COOLERS FROM GFCI PROTECTED OUTLET IN WALL BEHIND COOLER HOUSING. THE OUTLET AND CORD SHALL NOT BE VISIBLE FROM PUBLIC VIEW.
COORDINATE WITH CUTSHEETS OF ALL EQUIPMENT TO BE INSTALLED AND PROVIDE ADDITIONAL CIRCUITS FOR CONTROLS IF REQUIRED BY MANUFACTURER.
FINAL COLOR, FINISH AND OTHER AESTHETIC PORTIONS OF ALL DEVICES SHALL BE COORDINATED WITH ARCHITECT OR OWNERS REPRESENTATIVE. THIS SET OF DRAWINGS DOES NOT SUPERCEDE ARCHITECTURAL OR INTERIOR DOCUMENTS.
ALL EXPOSED HORIZONTAL RUNS OF CONDUITS SHALL BE EITHER PARALLEL OR PERPENDICULAR TO EXTERIOR WALLS.
PROVIDE PLENUM RATED CABLES IF THE CABLES ARE EXPOSED AND ROUTED THROUGH PLENUM.

LEGEND

SYMBOLS	DESCRIPTION	MOUNTING
	DUPLEX RECEPTACLE, 120V, 20A, NEMA 5-20R	18" AFF
	DUPLEX RECEPTACLE, 120V, 20A, NEMA 5-20R	42" AFF OR 6" ABOVE COUNTER TOP
	QUADRAPLEX RECEPTACLE, 120V, 20A, NEMA 5-20R	18" AFF
	QUADRAPLEX RECEPTACLE, 120V, 20A, NEMA 5-20R	42" AFF OR 6" ABOVE COUNTER TOP
	DUPLEX RECEPTACLE, 120V, 20A, NEMA 5-20R	FLUSH WITH FINISHED FLOOR
	DUPLEX RECEPTACLE, 120V, 20A, NEMA 5-20R	IN CEILING
	SPECIAL RECEPTACLE, CONFIGURATION AND ELECTRICAL CHARACTERISTIC AS NOTED ON DWG	18" AFF
	JUNCTION BOX FLUSH IN WALL WITH COVER. SIZE PER NEC.	18" AFF
	JUNCTION BOX FLUSH IN CEILING WITH COVER. SIZE PER NEC.	IN CEILING
	JUNCTION BOX FLUSH IN FINISHED FLOOR WITH COVER. SIZE PER NEC.	FLUSH WITH FINISHED FLOOR
	SWITCH	42" AFF
	SWITCH - 3 WAY	42" AFF
	SWITCH - WALL MTD, INTEGRAL OCCUPANCY SENSOR	42" AFF
	SWITCH - WALL MTD, LOW VOLTAGE, PILOT LIGHT	42" AFF
	SWITCH - WALL MTD, DIMMING	42" AFF
	SWITCH - CEILING MOUNTED OCCUPANCY SENSOR	IN CEILING
	TV OUTLET	18" AFF
	TELEPHONE OUTLET	18" AFF
	TELEPHONE OUTLET, SUBSCRIPT: F - FIREMAN'S PHONE, H - HOUSE PHONE, P - PAY PHONE	42" AFF OR 6" ABOVE COUNTER TOP
	TELEPHONE / DATA COMBINATION OUTLET	18" AFF
	TELEPHONE / DATA COMBINATION OUTLET	FLUSH WITH FINISHED FLOOR
	TELEPHONE / DATA COMBINATION OUTLET	42" AFF OR 6" ABOVE COUNTER TOP
	DATA OUTLET	18" AFF
	DATA OUTLET	42" AFF OR 6" ABOVE COUNTER TOP
	DISCONNECT SWITCH. SUBSCRIPT: AMP / # OF POLES / ENCLOSURE	AS INDICATED ON DWG
	FUSED DISCONNECT SWITCH. SUBSCRIPT: AMP / # OF POLES / ENCLOSURE / FUSE	AS INDICATED ON DWG
	ELECTRICAL PANELBOARD. REFER TO PANELBOARD SCHEDULE.	SURFACE MOUNTED ON WALL
	EQUIPMENT AS NOTED ON DRAWING.	SURFACE MOUNTED ON WALL
	MOTOR	
	HOME RUN WITH WIRE TICKS. XX - PANEL DESIGNATION, # - CIRCUIT DESIGNATION. WIRE TICKS - (1) NEUTRAL  , (3) HOT III # (1) GROUND	
	SMOKE DETECTOR. CEILING / WALL MOUNTED	
	HEAT DETECTOR. CEILING/WALL MOUNTED	
	FIRE ALARM NOTIFICATION DEVICE. AUDIO AND VISUAL	80" AFF
	FIRE ALARM NOTIFICATION DEVICE. AUDIO.	80" AFF
	FIRE ALARM NOTIFICATION DEVICE. VISUAL.	80" AFF
	FIRE ALARM INITIATION DEVICE. PULL STATION.	42" AFF

ABBREVIATIONS

AC	6" ABOVE COUNTER SPACE OR 42" AFF	IG	ISOLATED GROUND
AF	AMP FUSE	ISC	SHORT CIRCUIT CURRENT
AFF	ABOVE FINISHED FLOOR	LTG	LIGHTING
AL	ALUMINUM	MTD	MOUNTED
BFC	BELOW FINISHED CEILING	N	NEUTRAL
BKR	BREAKER	NL	NIGHT LIGHT
CND	CONDUIT	NEC	NATIONAL ELECTRICAL CODE
CONN	CONNECTED OR CONNECTION	PNL	PANEL
CTB	CABLE TV TERMINAL BACKBOARD	RECP	RECEPTACLE
CU	COPPER	TEL	TELEPHONE
DN	DOWN	TTB	TELEPHONE TERMINAL BOARD
EC	EMPTY CONDUIT	TV	TELEVISION
ELEC	ELECTRICAL	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
FACP	FIRE ALARM CONTROL PANEL	TYP	TYPICAL
FAA	FIRE ALARM ANNUNCIATOR PANEL	XFMR	TRANSFORMER
G OR GRND	GROUND	UG	UNDERGROUND
GFCI OR GF	GROUND FAULT CIRCUIT INTERRUPTER	WP	WEATHERPROOF

Union County  
Fire Station

Harbor Boulevard  
at  
Murphy Highway  
Blairsville, Georgia  
30512



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699 Peachtree Industrial Boulevard, 700  
Peachtree Corners, Georgia 30092  
404.253.9596  
PROJECT # 121564

Gardner  
Spencer  
Smith  
Tench &  
Jarbeau

A Professional Corporation  
for the Practice of Architecture

Tower Place Building,  
3340 Peachtree Road, N.E.  
Suite 1800  
Atlanta, Georgia 30326  
404.522.8805  
404.521.2118 (f)

PROJECT NO.

20112

SHEET TITLE

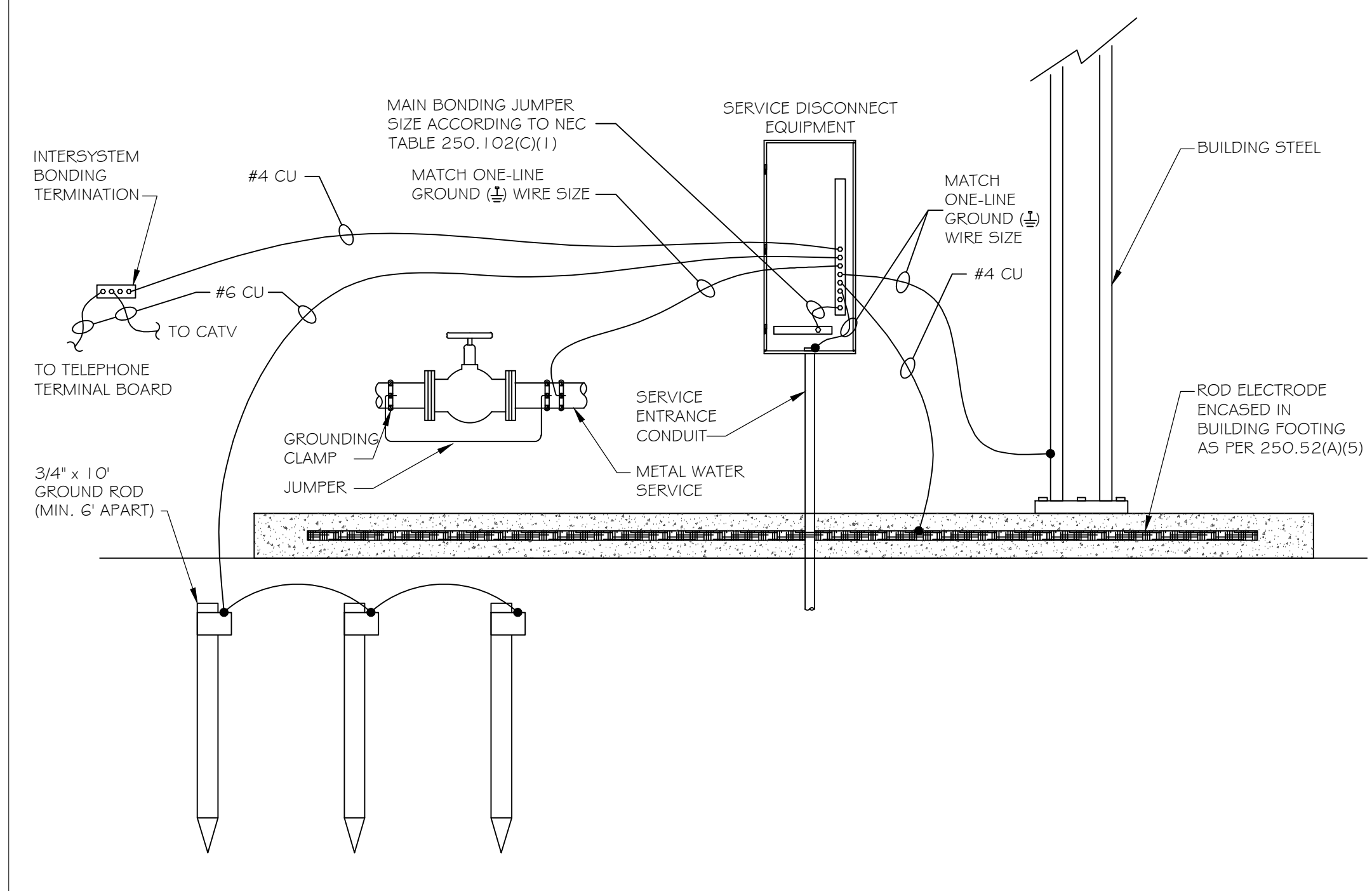
GENERAL

SHEET NO.

E0.01



## GROUNDING AND BONDING DETAIL



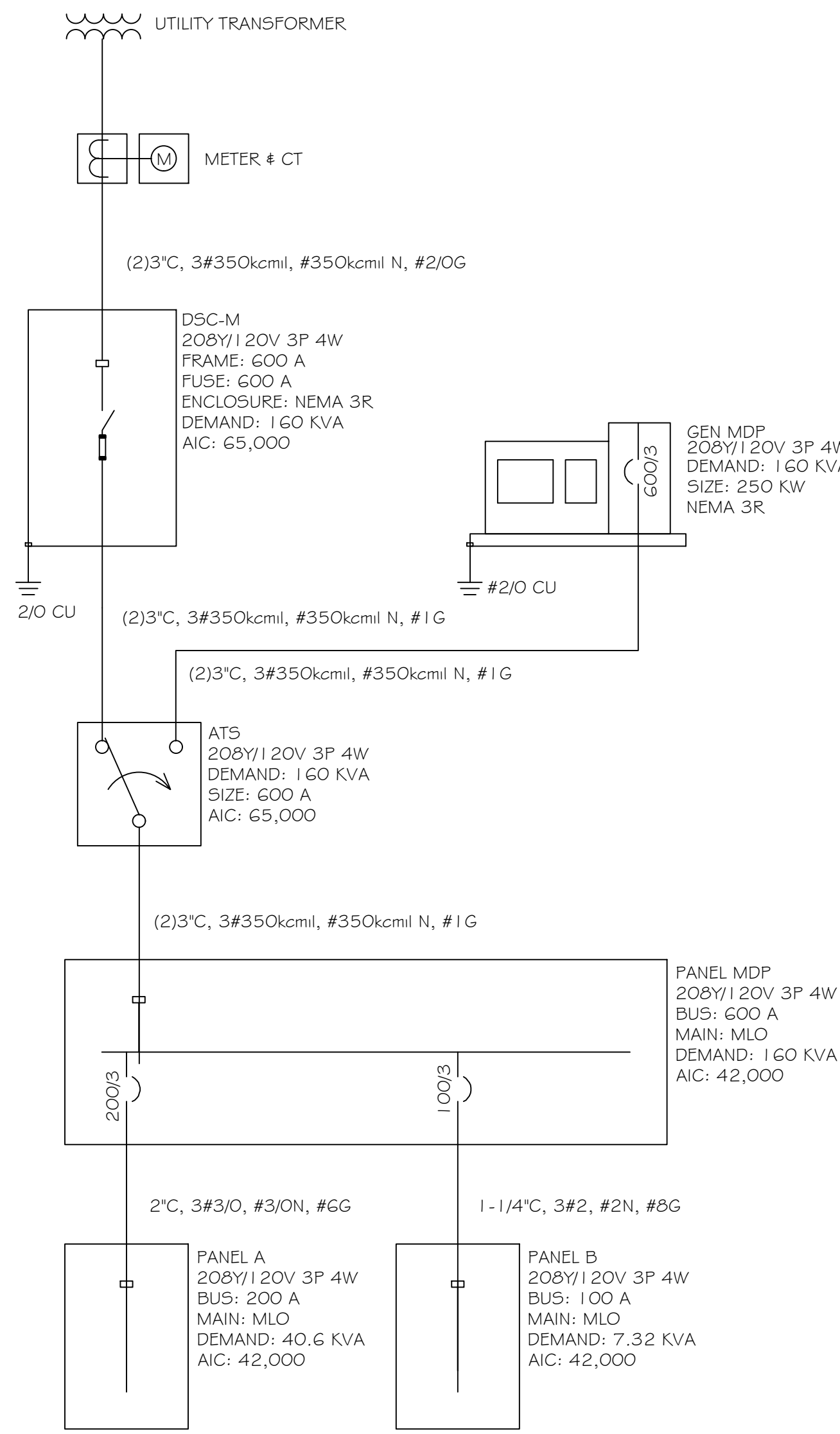
## FAULT CURRENT SCHEDULE

DEVICE	FAULT	AIC RATING	L-N VOLTS
DSC-M	20,939	65,000	120V
ATS	37,567	65,000	120V
MDP	32,091	42,000	120V
A	23,936	42,000	120V
B	17,642	42,000	120V

## VOLTAGE DROP SCHEDULE

DEVICE	FEEDER		BRANCH CIRCUIT		TOTAL VOLTAGE DROP
	VOLTAGE DROP	WIRE SIZE	MAX VOLTAGE DROP	WIRE SIZE	
GEN MDP	-	-	-	-	0%
DSC-M	0.86%	(2)#350kcmil	-	-	0.86%
ATS	1.21% / 1.17%	(2)#350kcmil / (2)#350kcmil	-	-	1.21%
MDP	1.42%	(2)#350kcmil	1.42% (CKT 35,37)	#10	2.64%
A	1.54%	#3/0	2.61% (CKT 31)	#12	4.35%
B	1.47%	#2	2.36% (CKT 2)	#12	3.83%

## ONE-LINE DIAGRAM



## MDP

ROOM		SURFACE		VOLTS		208Y/120V 3P 4W		AIC		42,000	
MOUNTING		SURFACE		BUS AMPS		600		MAIN BKR		MLO	
FED FROM		ATS		NEUTRAL		100%		LUGS		STANDARD	
NOTE		NEMA 1									
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	200/3	PANEL A	18.0			2	100/3	PANEL B	3.5		
3				15.4		4				1.8	
5					15.9	6					0.7
7	70/3	WH-1	6.0			8	30/3	UH-A	2.9		
9				6.0		10				2.9	
11					6.0	12					2.9
13	20/1	RP-1	0.4			14	30/3	CF363-3	1.3		
15	50/2	FCU-1		5.1		16				1.3	
17					5.1	18					1.3
19	50/2	FCU-2	5.1			20	30/3	UH-A	2.9		
21				5.1		22				2.9	
23	60/2	FCU-3			5.2	24					2.9
25			5.2			26	50/3	FAS	3.9		
27	30/2	HP-1		1.8		28				3.9	
29					1.8	30					3.9
31	30/2	HP-2	1.8			32	50/3	AC-1	3.9		
33				1.8		34				3.9	
35	30/2	HP-3			2.0	36					3.9
37			2.0			38	20/1	SPACE	0.0		
39	20/1	SPACE		0.0		40	20/1	SPACE		0.0	
41	20/1	SPACE			0.0	42	20/1	SPACE			0.0
TOTAL CONNECTED KVA BY PHASE									56.9	51.8	51.6
TOTAL CONNECTED AMPS BY PHASE									473.5	432.0	430.5
		CONN KVA	CALC KVA		(125%)			CONN KVA	CALC KVA		(50%>10)
LIGHTING		5.1	6.3		(125%)	RECEPTACLES		21.1	15.6		(LARGEST 2)
LARGEST MOTOR		11.6	2.9		(25%)	KITCHEN EQUIPMENT		13.6	10.2		(125%)
MOTORS		87.4	87.4		(100%)	CONTINUOUS		18.0	22.5		(100%)
						NONCONTINUOUS		15.0	15.0		(100%)
TOTAL LOAD									159.9		
BALANCED 3-PHASE LOAD									444.0 A		




















## A

ROOM			VOLTS			208Y/120V 3P 4W			AIC 42,000		
MOUNTING SURFACE			BUS AMPS			200			MAIN BKR MLO		
FED FROM			MDP						LUGS STANDARD		
NOTE			NEMA 1			NEUTRAL 100%					
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	20/1	GARAGE DOOR	0.5			2	20/1	RECEPTACLE	0.5		
3	20/1	GARAGE DOOR		0.5		4	20/1	RECEPTACLE		1.1	
5	20/1	GARAGE DOOR			0.5	6	20/1	RECEPTACLE			0.7
7	20/1	RECEPTACLE	0.5			8	20/1	RECEPTACLE	0.7		
9	20/1	RECEPTACLE		0.5		10	20/1	RECEPTACLE		0.7	
11	20/1	RECEPTACLE			0.5	12	20/1	REFRIGERATOR			1.2
13	25/2	DRYER	2.6			14	20/1	REFRIGERATOR	1.2		
15				2.6		16	20/1	UC/CEMAKER		1.2	
17	20/1	WASHER			1.0	18	20/1	RECEPTACLE			0.7
19	25/2	DRYER	2.6			20	20/1	RECEPTACLE	0.5		
21				2.6		22	20/1	HOOD		1.0	
23	20/1	WASHER			1.0	24	50/2	RANGE			4.5
25	20/1	RECEPTACLE	0.7			26			4.5		
27	20/1	RECEPTACLE		1.4		28	20/1	MICROWAVE		1.5	
29	20/1	RECEPTACLE			1.4	30	20/1	DISPOSAL			1.2
31	20/1	RECEPTACLE	1.4			32	20/1	DISHWASHER	1.4		
33	20/1	RECEPTACLE		1.4		34	20/1	RECEPTACLE		0.2	
35	20/1	RECEPTACLE			0.9	36	20/1	DISPOSAL			1.2
37	20/1	RECEPTACLE	0.4			38	20/1	RECEPTACLE	0.4		
39	20/1	FACP		0.1		40	20/1	RECEPTACLE		0.5	
41	20/1	TEL BACKBOARD			1.0	42	20/1	SPACE			0.0
TOTAL CONNECTED KVA BY PHASE									18.0	15.4	15.9
TOTAL CONNECTED AMPS BY PHASE									150.1	131.0	134.4

## B

ROOM			VOLTS			AIC											
MOUNTING SURFACE			208Y/120V 3P 4W			42,000											
FED FROM			BUS AMPS 100			MAIN BKR MLO											
NOTE			NEUTRAL 100%			LUGS STANDARD											
NEMA 1																	
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA								
			A	B	C				A	B	C						
1	20/1	LIGHTING	1.0			2	20/1	EF-A, LIGHTING	1.3								
3	20/1	LIGHTING		1.2		4	20/1	EF-A, LIGHTING		0.6							
5	20/1	RECEPTACLE			0.4	6	20/1	LIGHTING			0.4						
7	20/1	SPACE	0.0			8	20/1	EF-A, LIGHTING	0.7								
9	20/1	SPACE		0.0		10	20/1	SPACE		0.0							
11	20/1	SPACE			0.0	12	20/1	SPACE			0.0						
13	20/1	LIGHTING	0.5			14	20/1	SPACE	0.0								
15	20/1	SPACE		0.0		16	20/1	SPACE		0.0							
17	20/1	SPACE			0.0	18	20/1	SPACE			0.0						
19	20/1	SPACE	0.0			20	20/1	SPACE	0.0								
21	20/1	SPACE		0.0		22	20/1	SPACE		0.0							
23	20/1	SPACE			0.0	24	20/1	SPACE			0.0						
25	20/1	SPACE	0.0			26	20/1	SPACE	0.0								
27	20/1	SPACE		0.0		28	20/1	SPACE		0.0							
29	20/1	SPACE			0.0	30	20/1	SPACE			0.0						
31	20/1	SPACE	0.0			32	20/1	SPACE	0.0								
33	20/1	SPACE		0.0		34	20/1	SPACE		0.0							
35	20/1	SPACE			0.0	36	20/1	SPACE			0.0						
37	20/1	SPACE	0.0			38	20/1	SPACE	0.0								
39	20/1	SPACE		0.0		40	20/1	SPACE		0.0							
41	20/1	SPACE			0.0	42	20/1	SPACE			0.0						
TOTAL CONNECTED KVA BY PHASE									3.5	1.8	0.7						
TOTAL CONNECTED AMPS BY PHASE									29.0	15.2	6.1						
			CONN KVA						CONN KVA								
LIGHTING			5.1	6.3		(125%)			MOTORS			0.6	0.6		(100%)		
LARGEST MOTOR			0.1	0.0		(25%)			RECEPTACLES			0.4	0.4		(50%>10)		
TOTAL LOAD												7.3					
BALANCED 3-PHASE LOAD												20.3 A					

## GENERAL SCHEDULE

CALLOUT	SYMBOL	VOLTS	KVA	BREAKER	CIRCUIT	WIRE CALLOUT	DISCONNECT DESCRIPTION
AC-1		208V 3P 4W	11.64	50/3	MDP-32,34,36	1"3,3#6,#GN,#10G	60A/3P/NEMA 1
CF363-3		208V 3P 4W	3.99	30/3	MDP-14,16,18	1/2"C,3#10,#10N,#10G	30A/3P/NEMA 3R
EF-A		120V 1P 2W	0.1	20/1	B-2	1/2"C,1#12,#12N,#12G	SWITCHED WITH LIGHTS
EF-A		120V 1P 2W	0.1	20/1	B-2	1/2"C,1#12,#12N,#12G	SWITCHED WITH LIGHTS
EF-A		120V 1P 2W	0.1	20/1	B-2	1/2"C,1#12,#12N,#12G	SWITCHED WITH LIGHTS
EF-A		120V 1P 2W	0.1	20/1	B-2	1/2"C,1#12,#12N,#12G	SWITCHED WITH LIGHTS
EF-A		120V 1P 2W	0.1	20/1	B-2	1/2"C,1#12,#12N,#12G	SWITCHED WITH LIGHTS
EF-A		120V 1P 2W	0.1	20/1	B-5	1/2"C,1#12,#12N,#12G	SWITCHED WITH LIGHTS
FAS		208V 3P 4W	11.64	50/3	MDP-26,28,30	1"3,3#6,#GN,#10G	60A/3P/NEMA 1
FCU-1		208V 120V 2P 3W	10.15	50/2	MDP-15,17	3/4"C,2#6,#GN,#10G	60A/2P/NEMA 1
FCU-2		208V 120V 2P 3W	10.15	50/2	MDP-19,21	3/4"C,2#6,#GN,#10G	60A/2P/NEMA 1
FCU-3		208V 120V 2P 3W	10.48	60/2	MDP-23,25	3/4"C,2#6,#GN,#10G	60A/2P/NEMA 1
HP-1		208V 120V 2P 3W	3.52	30/2	MDP-27,29	1/2"C,2#10,#10N,#10G	30A/2P/NEMA 3R
HP-2		208V 120V 2P 3W	3.52	30/2	MDP-31,33	1/2"C,2#10,#10N,#10G	30A/2P/NEMA 3R
HP-3		208V 120V 2P 3W	4.06	30/2	MDP-35,37	1/2"C,2#10,#10N,#10G	30A/2P/NEMA 3R
RP-1		120V 1P 2W	0.4	20/1	MDP-13	1/2"C,1#12,#12N,#12G	SINGLE POLE SWITCH
UHA		208V 3P 4W	8.65	30/3	MDP-8,10,12	1/2"C,3#10,#10N,#10G	30A/3P/NEMA 1
UHA		208V 3P 4W	8.65	30/3	MDP-20,22,24	1/2"C,3#10,#10N,#10G	30A/3P/NEMA 1
WHT-1		208V 3P 4W	18	70/3	MDP-7,9,11	1-1/4"C,3#4,#4N,#6G	100A/3P/NEMA 1









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Gardner  
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Tench &  
Jarbeau

A Professional Corporation  
for the Practice of Architecture

Tower Place Building,  
3340 Peachtree Road, N.E.  
Suite 1800  
Atlanta, Georgia 30326  
404.522.8805  
404.521.2118 (f)

PROJECT NO.

20112

SHEET TITLE

FLOOR PLAN -  
POWER

SHEET NO.

E1.10

KEYNOTES

- ROUTE (2) 2" C FROM TELEPHONE UTILITY DEMARCATION POINT WITH PULL STRING.
- PROVIDE POWER FOR GARAGE DOOR OPENER. COORDINATE CONTROLS AND POWER REQUIREMENTS WITH MANUFACTURER. COORDINATE CONTROLS LOCATION WITH OWNER/ARCHITECT.
- COORDINATE KITCHEN EQUIPMENT CONNECTION REQUIREMENTS WITH MANUFACTURER.
- DATA RACK BY OTHERS. PROVIDE A DEDICATED DUPLEX RECEPTACLE AS SHOWN. COORDINATE ADDITIONAL REQUIREMENTS WITH OTHERS.
- RETRACTING DUPLEX RECEPTACLE SUSPENDED FROM CEILING. FIELD COORDINATE EXACT LOCATION AND REQUIREMENT WITH OWNER.
- FIELD COORDINATE EXACT LOCATION OF FLOOR BOXES WITH FURNITURE LOCATIONS BEFORE INSTALLATION.
- POWER FOR FIELD AIR SYSTEM. FIELD COORDINATE EXACT REQUIREMENT WITH INSTALLER.
- POWER FOR AIR COMPRESSOR. FIELD COORDINATE EXACT REQUIREMENT WITH INSTALLER.

GENERAL NOTES

REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES.

ALL RECEPTACLES SHALL BE GROUNDED AS REQUIRED BY ARTICLE 250-146.

ALL RECEPTACLES SHALL BE GROUNDED AS REQUIRED BY ARTICLE 250-146 AND SHALL BE TAMPER-RESISTANT UNLESS OTHERWISE ALLOWED BY ARTICLE 406.1.2.

PER THE REQUIREMENT OF NEC ARTICLE 100 AND 210.12(A) ARC-FAULT PROTECTION IS REQUIRED IN ALL 120-VOLT, SINGLE PHASE 15- AND 20 AMPERE BRANCH CIRCUITS THAT SUPPLY OUTLETS IN DWELLING UNIT BEDROOMS, LIVING ROOMS, KITCHENS AND LAUNDRY AREAS. THIS INCLUDES RECEPTACLE OUTLETS, LIGHTING OUTLETS, CEILING FAN OUTLETS AND SMOKE DETECTORS.

ALL GUEST ROOM SMOKE DETECTORS SHALL BE LOW-VOLTAGE PHOTOELECTRIC WITH SOUNDER BASES MONITORED BY BUILDING FACP. DETECTORS SHALL BE EQUIPPED WITH SOUNDER BASES, PROGRAM AUDIBLE ALARM PER MARRIOTT STANDARDS AND REQUIREMENTS. UPON ACTIVATION, DETECTOR SHALL SEND SUPERVISORY SIGNAL TO BUILDING FACP.

CONTRACTOR SHALL PROVIDE AN ANSUL FIRE SUPPRESSION SYSTEM FOR RANGE HOOD. SYSTEM SHALL HAVE APPLIANCE INTERLOCK TO SHUT DOWN APPLIANCES IN EVENT OF FIRE.

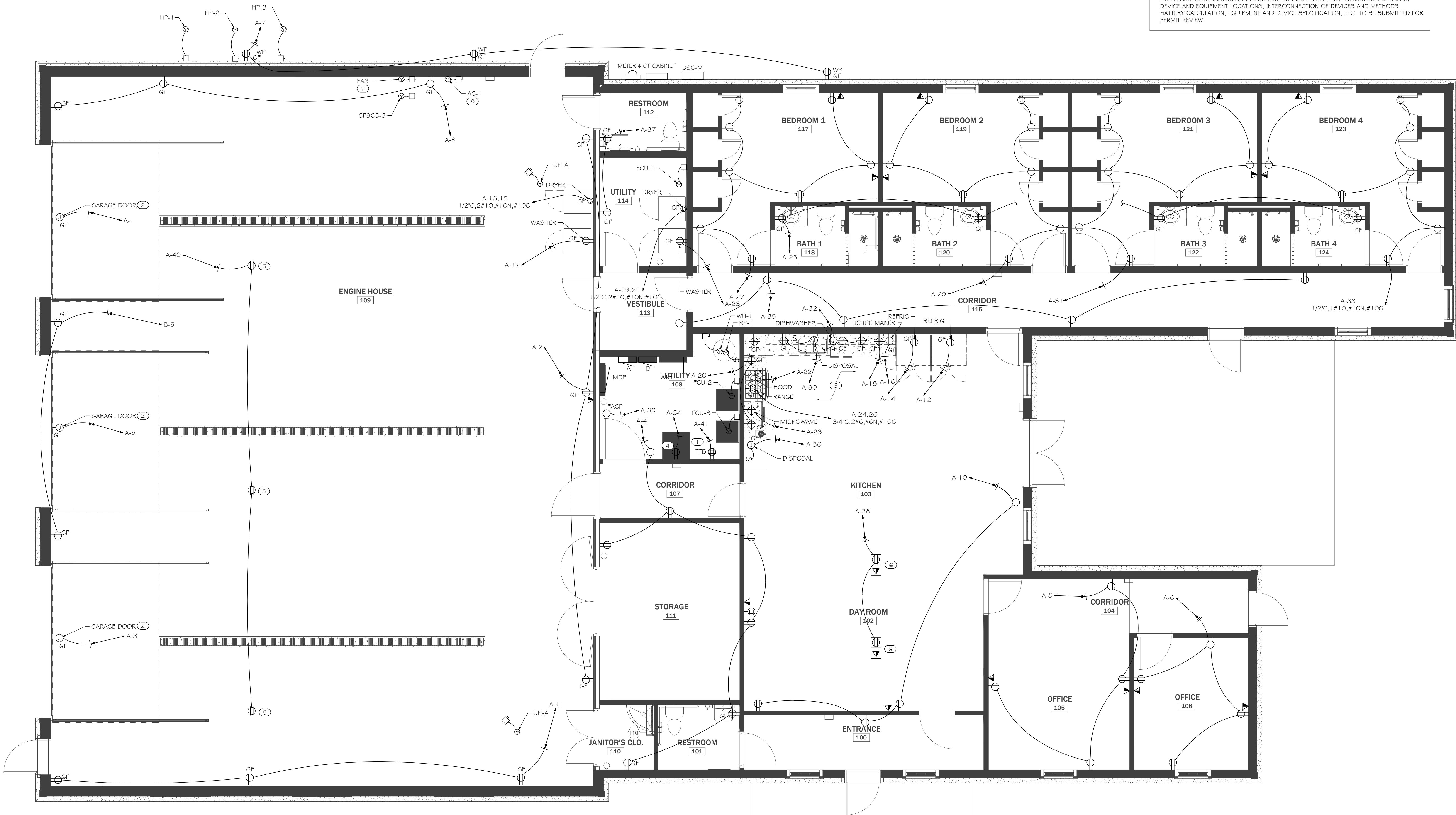
FIRE ALARM NOTES:

A FIRE ALARM SYSTEM HAS BEEN DETERMINED TO BE NECESSARY AS PER NFPA 101 AND/OR IBC REQUIREMENTS FOR THIS PROJECT.

COMPLETE FIRE ALARM DESIGN DOCUMENTS SHALL BE OF A DELEGATED DESIGN AND SHALL BE PROVIDED BY A LICENSED FIRE ALARM CONTRACTOR.

FIRE ALARM SHOP DRAWINGS SHALL BE PREPARED BY MINIMUM NICET LEVEL III OR ABOVE CERTIFIED PERSONNEL, DEPENDING ON LOCAL JURISDICTION REQUIREMENTS.

FIRE ALARM CONTRACTOR SHALL PRODUCE SIGNED AND SEALED DOCUMENTS DETAILING DEVICE AND EQUIPMENT LOCATIONS, INTERCONNECTION OF DEVICES AND METHODS, BATTERY CALCULATION, EQUIPMENT AND DEVICE SPECIFICATION, ETC. TO BE SUBMITTED FOR PERMIT REVIEW.



1 FLOOR PLAN - POWER  
SCALE: 1/4" = 1'-0"



Harbor Boulevard  
at  
Murphy Highway  
Blairsville, Georgia  
30512



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PROJECT NO.

20112

SHEET TITLE

FLOOR PLAN -  
LIGHTING

SHEET NO.

E2.10

LIGHTING CONTROL

CONTRACTOR SHALL PROVIDE LIGHTING CONTROL REQUIRED BY IECC 2015. COORDINATE WITH LIGHTING VENDOR FOR REQUIRED DEVICES TO ACCOMPLISH THE REQUIREMENT OF IECC.

PRIVATE OFFICE:

- MANUAL ON OR AUTO ON FOR HALF OR LESS FIXTURES. C405.2.1.1.2
- AUTO OFF ON ALL FIXTURES VIA OCCUPANCY SENSOR. C405.2.1.1.1
- LOCAL CONTROL FOR OCCUPANT CONTROL. C405.2.2.3

CONFERENCE ROOM:

- MANUAL ON OR AUTO ON FOR HALF OR LESS FIXTURES. C405.2.1.1.2
- AUTO OFF ON ALL FIXTURES VIA OCCUPANCY SENSOR. C405.2.1.1.1
- LOCAL CONTROL FOR OCCUPANT CONTROL. C405.2.2.3
- DAYLIGHT CONTROL REQUIRED IF TOTAL WATTAGE OF LIGHTING IS 150W OR MORE. C405.2.3.1a2

LOBBY & CORRIDOR:

- FULL AUTO ON. C405.2.1.1.2
- FULL AUTO OFF OR TIMECLOCK OFF VIA SYSTEM CONTROLLER. C405.2.1.1.1 OR C405.2.2.1

DAYLIGHT RESPONSE CONTROL:

- SHALL BE PROVIDED WITHIN EACH SPACE WITH SIDELIGHT AND TOPLIGHT DAYLIGHT ZONES TOTALING > 150W.

RESTROOM:

- FULL AUTO ON. C405.2.1.1.2
- AUTO OFF ON ALL FIXTURES VIA OCCUPANCY SENSOR. C405.2.1.1.1

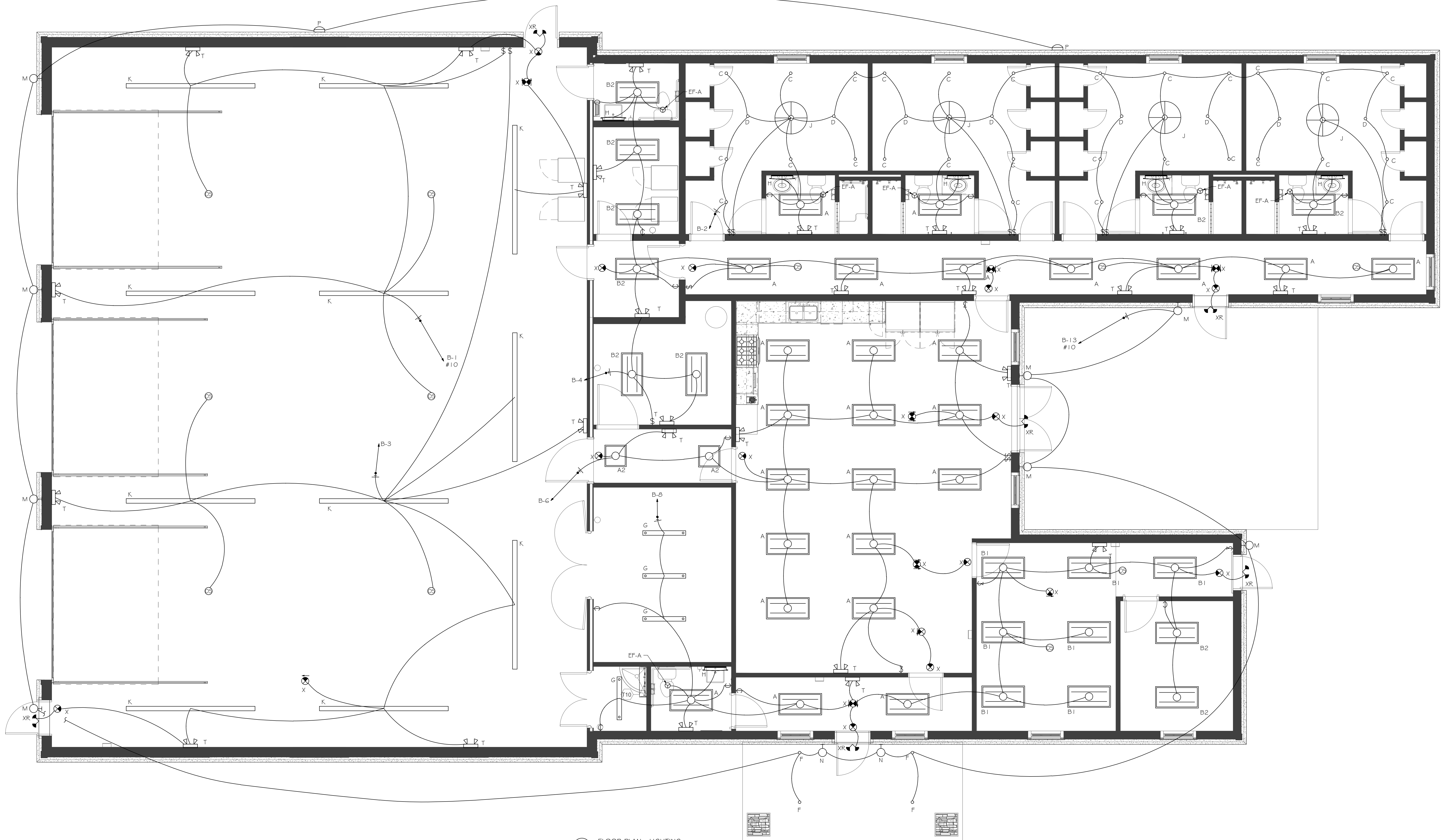
EXTERIOR LIGHTING:

- LIGHTING SHALL AUTOMATICALLY REDUCE CONNECTED LIGHTING POWER BY NOT LESS THAN 30% FROM NO LATER THAN MIDNIGHT TO 6 AM FOR ONE HOUR AFTER BUSINESS CLOSING WHEN OCCUPANCY HAS NOT BEEN DETECTED FOR LONGER HAN 15 MINUTES. C405.2.5.3

GENERAL NOTES

REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES.

PROVIDE UNSWITCHED HOT LEG OF CIRCUIT TO EMERGENCY LIGHTING AND EXIT SIGNS.













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at  
Murphy Highway  
Blairsville, Georgia  
30512



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**PROFICIENT**  
ENGINEERING  
6991 Peachtree Industrial Blvd Building 700  
Peachtree Corners, Georgia 30092  
404.330.9798  
PROJECT # 121664

Gardner  
Spencer  
Smith  
Tench &  
Jarbeau

A Professional Corporation  
for the Practice of Architecture

: Tower Place Building,  
: 3340 Peachtree Road, N  
: Suite 1800  
: Atlanta, Georgia 30326  
: 404.522.8805  
: 404.521.2118 (f)

PROJECT NO.
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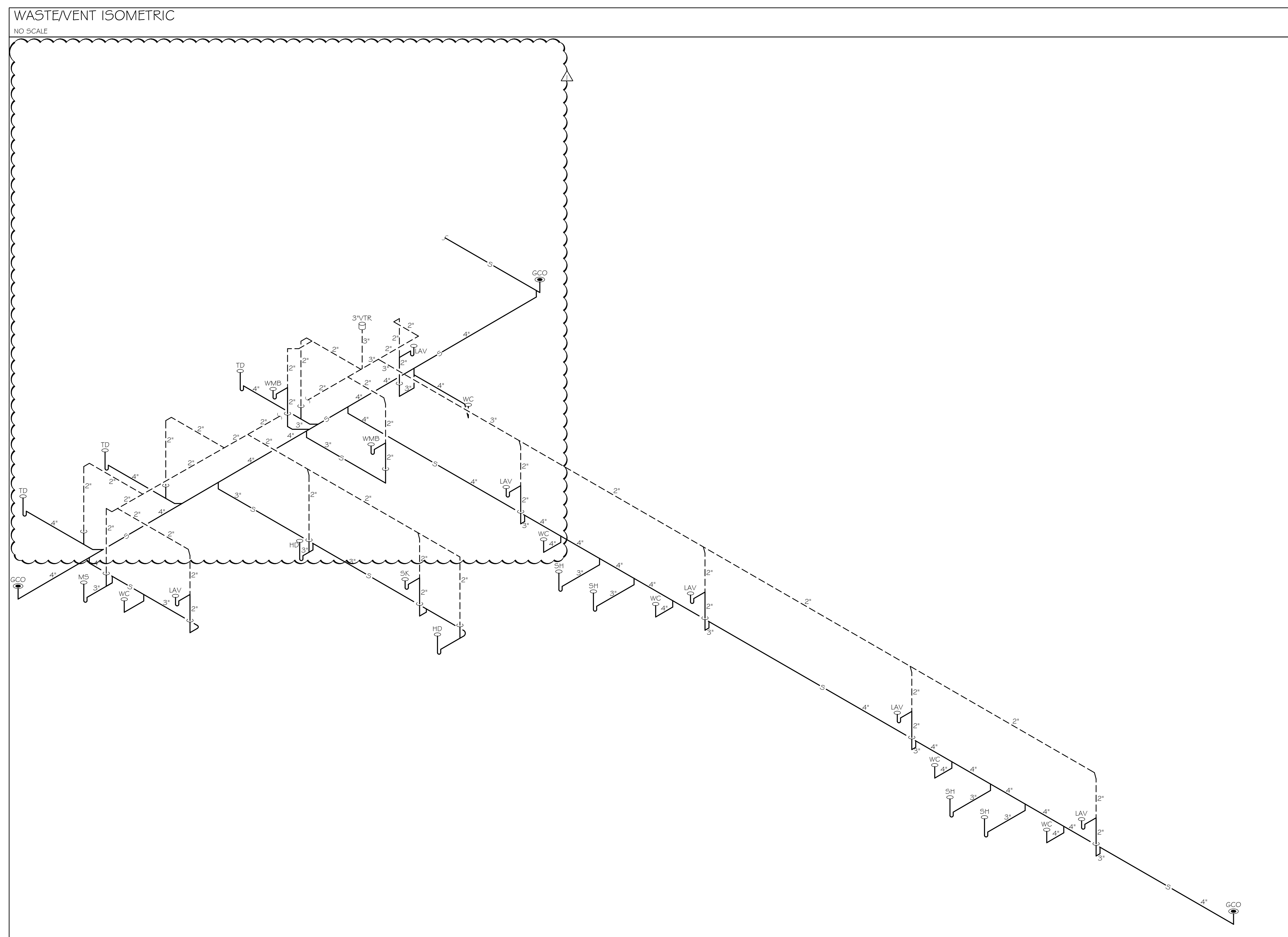
:20112

	SHEET TITLE
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: WASTE & VENT  
: ISOMETRIC

	SHEET NO.
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RELEASED FOR CONSTRUCTION

		REVISIONS
No.	Date	Description
	02.14.22	BID SET
1	07.18.22	REVISION 1



Gardner  
Spencer  
Smith  
Fench &  
Jarbeau

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ower Place Building,  
340 Peachtree Road, N  
uite 1800  
lanta, Georgia 30326  
04.522.8805  
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PROJECT NO.

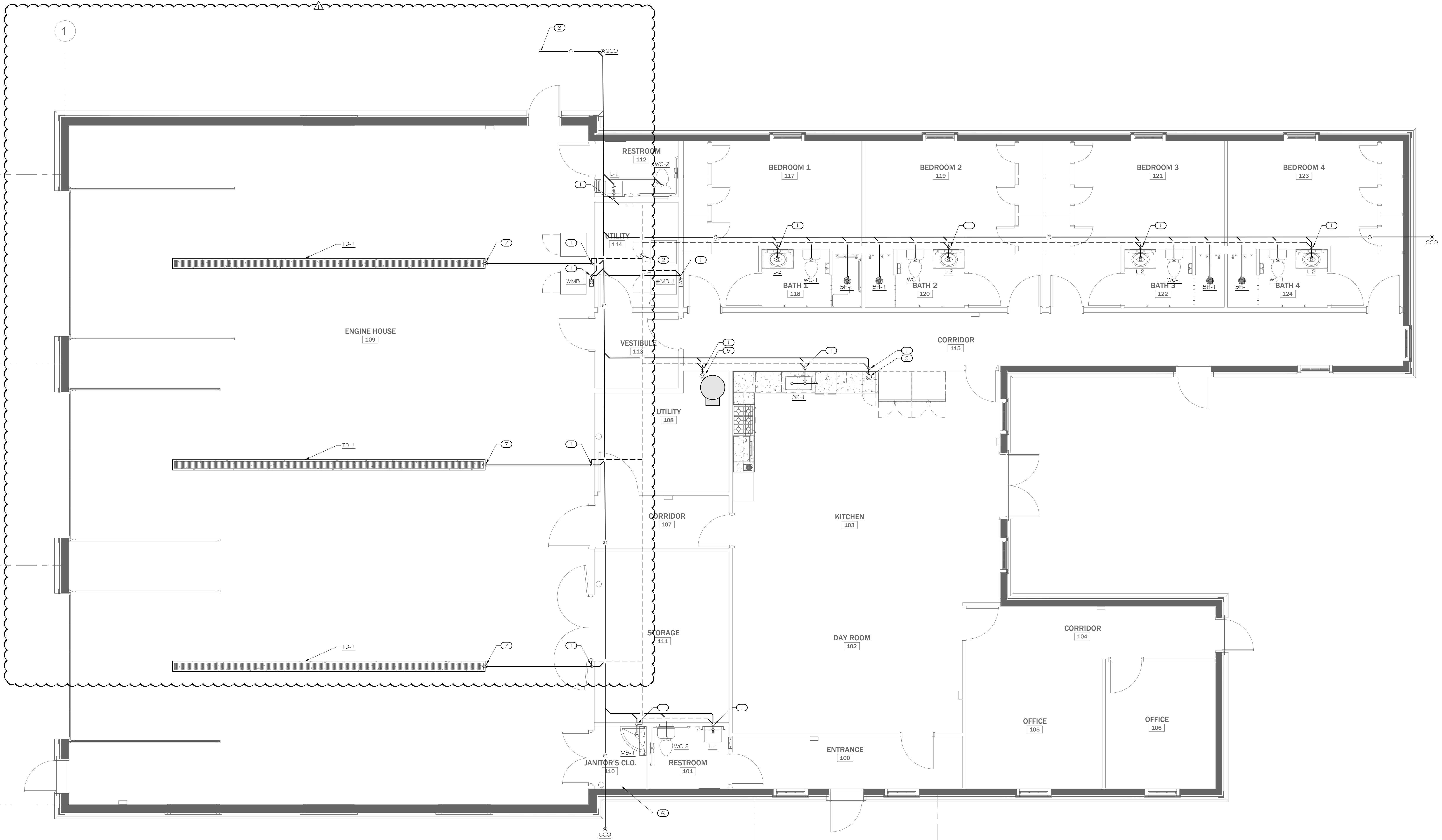
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SHEET TITLE

FLOOR PLAN –  
WASTE & VENT

SHEET NO.

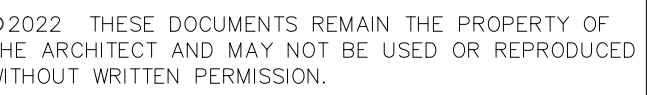
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**1** FLOOR PLAN - WASTE & VENT  
SCALE: 1/4" = 1'-0"



Harbor Boulevard  
at  
Murphy Highway  
Fairville, Georgia  
30512



RELEASED FOR CONSTRUCTION

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PROJECT NO.

20112

SHEET TITLE

FLOOR PLAN -  
WATER

SHEET NO.

1.11

