

TDA
architects
LLC

125 West Columbus Street
Dadeville, Alabama 36853



Norwood Community Center

Anniston Housing Authority

Anniston, Alabama

Gregg Fortner, Executive Director

Norwood Community Center
Anniston Housing Authority
Anniston, Alabama

Revision Table	
Number	Date

Title Sheet

TDA 445

DATE:
5/1/2023

SHEET:

T1

GENERAL NOTES

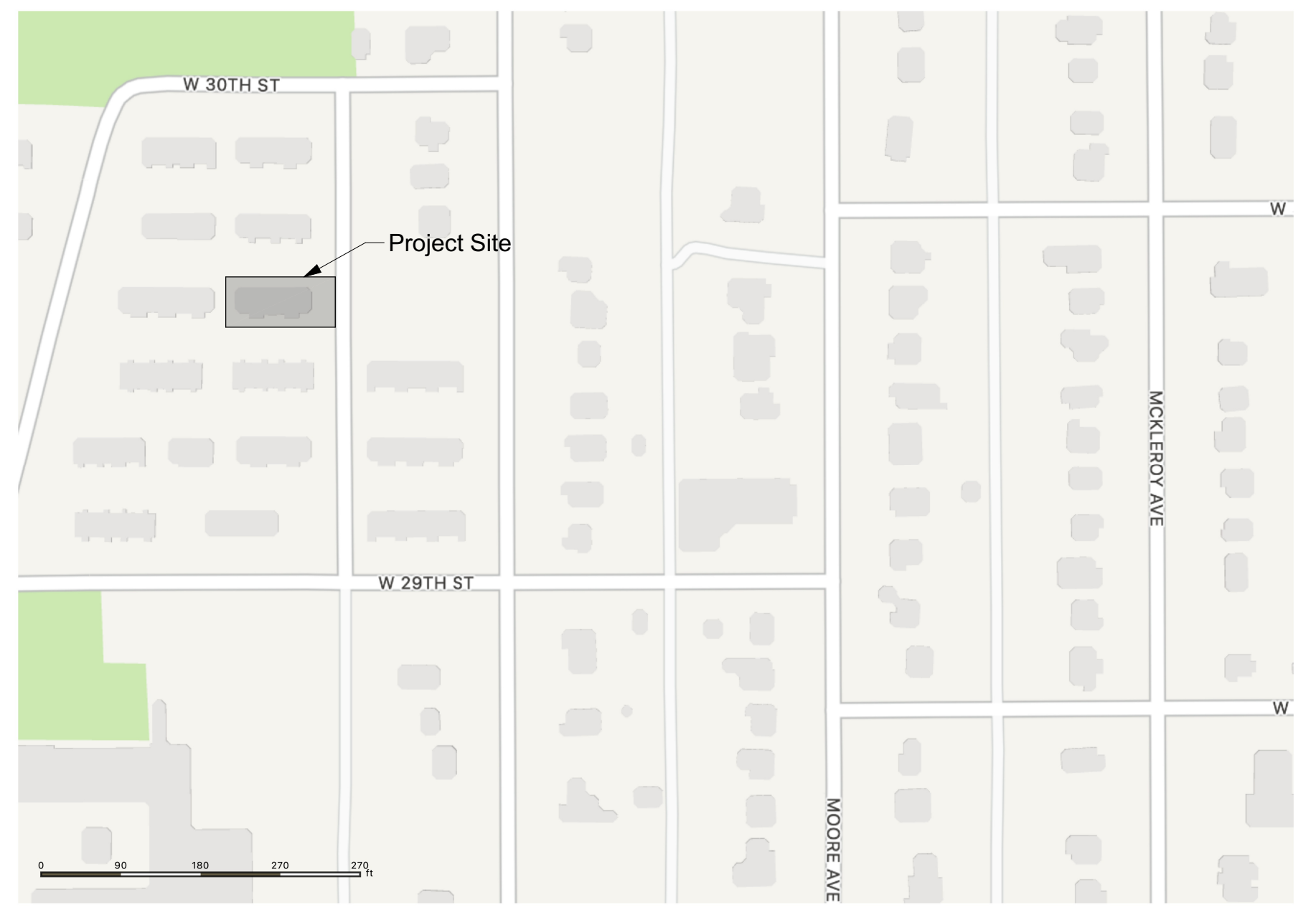
- 1. CONTRACTUAL OBLIGATION:**
The GC shall abide by and be responsible for all requirements stated in the General Conditions unless noted otherwise.
- 2. GENERAL CONDITIONS:**
The GC shall provide all labor, material, equipment, tools, utilities, insurance, transportation, and pay for all required taxes, permits, and services required to complete the entire scope of work, whether temporary or permanent. All materials except temporary forms are to be new, unused and of the specified quality. The GC shall maintain the project site in a clean and orderly fashion. Tools and equipment shall be secured, and all debris shall be removed daily. The GC shall maintain a visitors log. All visitors shall be required to sign such log. Dates and times of entering and exiting the site for all visitors shall be noted. GC to secure project site from unauthorized entry at all times. Coordinate location of barricades or temporary fencing with the documents and owner. The GC shall photograph the project site and existing conditions prior to the beginning of the work. Photographs shall be taken of the progress of the work at intervals no greater than 7 calendar days. Photographs shall be in color and identified by date and time of day. Maintain digital photograph file onsite. Deliver completed file to the architect upon receipt of use and occupancy permit. The GC shall maintain an on site staging area and shall keep the agency approved construction documents, all licensing information, visitors log, photograph file, and at least one set of reproducible construction documents, to be marked concurrently with the construction, to record actual conditions of the construction and device installations. Deliver completed reproducible record set to the architect upon completion of the project. GC to remove and dispose of all waste and debris from project site in a legal manner. Upon completion of the work, provide professional cleaning service to clean the project site, interior and exterior, for final occupancy.
- 3. GRAPHICS:**
Existing construction (partitions, doors, plumbing fixtures, casework, equipment, etc.) is indicated on the floor plans, with lines in a lighter shade (screened). Existing walls to remain are poched. New construction is indicated by full intensity (solid) lines. Items to be demolished are indicated in light finely dashed lines.
- 4. INTERPRETATION:**
The architect is solely responsible for the design interpretation of the construction documents.
- 5. DOCUMENT DISCREPANCIES:**
Whenever there are discrepancies in the contract documents, the contractor shall base his bid upon the better quality or greater quantity of the material or work described.
- 6. DRAWING SCALE:**
The contractor shall not scale drawings.
- 7. FIELD CONDITIONS:**
The contractor shall take field measurements and verify field conditions and shall carefully compare such field measurements, conditions, and other information known to the contractor with the contract documents before commencing activities. Errors, inconsistencies, or omissions discovered shall be reported to the architect at once. No allowance will be made on behalf of the contractor or subcontractors for failure to visit the site.
- 8. CONSTRUCTION MEANS...PROCEDURES:**
The general contractor shall supervise and direct the work, using the contractor's best skill and attention. The contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of work under the contract, unless contract documents give other specific instructions concerning these matters. Any work that must be removed or relocated due to lack of coordination of the trades is solely the contractor's responsibility. The contractor shall maintain a secure site throughout the construction process.
- 9. BUILDING SYSTEMS:**
The GC shall coordinate the location and installation of all building systems and equipment. The GC shall coordinate all building trades to assure all required clearances for operation and maintenance of all equipment and systems as required by code, these documents, or manufacturer's recommendations are met or exceeded. Lack of specific details shall not be an excuse for improper installation of any material, device, or system. Where details are not provided, the GC shall refer to the printed manufacturer's recommendations for installation guidelines. All installed systems and devices are to operate quietly and without excessive vibration. This includes but is not limited to the following systems; mechanical, electrical, lighting, plumbing, and telephone equipment.
- 10. CLEARANCES:**
The contractor shall coordinate with all building trades involved in the project for preparation of composite shop drawings for each floor to insure proper clearances for fixtures, ducts, ceilings, etc, while maintaining the specified ceiling heights noted on the drawings. Clarify any conflicts with architect.
- 11. LOCATIONS:**
Electrical panels, telephone equipment, fire extinguishers, fire pulls, lights/horns, smoke detectors, thermostats, etc, shall be located in accordance with requirements of governing agencies. Any location not specifically shown shall be verified with architect prior to rough-out and installation. Unless otherwise noted, the above panels and/or equipment shall be fully recessed & shall maintain the integrity of wall fire rating requirements.
- 12. GOVERNING AGENCIES:**
The GC and all of his forces shall comply with all regulations by any governing agency with jurisdiction over the project or project site.
- 13. PERMITS/INSPECTIONS:**
Unless otherwise provided in the contract documents, the contractor shall secure and pay for the building permit and other permits and governmental fees, licenses and inspections necessary for proper execution and completion of work. The contractor shall comply with and give notices required by laws, ordinances, rules, regulations, and lawful orders of public authorities bearing on performance of the work. Upon completion of the work, the contractor shall obtain a use and occupancy permit as required from the governing codes. Submit one copy of the permit to the owner with final application of payment.
- 14. LIFESAFETY TESTING:**
The GC shall provide the owner and the local fire department written notice 96 hours in advance of any life safety system shut down or testing. The GC shall telephone the fire department immediately prior to such testing or shut down to inform them of the exact time of the anticipated alarm condition. The GC shall notify the fire department immediately upon completion of the test or shut down to establish emergency response to alarm conditions.
- 15. DOORS:**
Undercutting of doors shall be done in accordance with NFPA 80 (current issue) table 1-11.4.
- 16. BLOCKING:**
Provide wood blocking in partitions behind all wall hung or wall mounted accessories, equipment, millwork, shelving, or other devices.
- 17. TOXIC MATERIAL:**
In the event the contractor encounters on the site material reasonably believed to be asbestos, polychlorinated biphenyl (PCB) or other toxic material, which has not been rendered harmless, the contractor shall immediately stop work in the area affected, seal off the perimeter, and report the condition to the owner and architect in writing. No new building material shall contain asbestos, polychlorinated biphenyl (PCB) or other toxic material as defined by state and federal regulatory agencies.

- 18. PARTITIONS:**
Partitions extending to the structure above shall be tightly sealed. The integrity of rated assemblies and smoke barriers shall be maintained at corners and intersections of lower priority partitions. All horizontal and vertical fire and/or smoke barriers, including all floor structures, shall be continuous from outside wall to outside wall, from one barrier to another, or combination thereof. Barriers must be continuous through concealed spaces and interstitial spaces. Seal completely all openings with UL (or other testing agency) approved assemblies where fire barriers are penetrated or abut other fire barriers, exterior walls, and floors above and below barrier. All fire barriers are to be constructed according to the testing laboratory specifications. All smoke barriers shall be a minimum of 1-hour fire resistant construction. Corridor partitions, smoke stop partitions, horizontal exit partitions, exit enclosures, and all fire rated walls shall be permanently identified with stenciling. Such identification shall be above any decorative ceiling and in concealed spaces. Stenciling to be in red letters, no less than 4" tall with a red band extending the length of the partition. Stenciled identification to read "(x) hour rated fire and/or smoke barrier, protect all openings". Stenciled identification to be positioned to be readily visible from both sides of the barrier and such that from any access point at least one identification marker may be read.
- 19. PENETRATIONS:**
Penetrations of pipes, tubes, conduit, wires, cables, ducts, vents, cabinets, lighting, and other fixtures through fire rated assemblies shall be installed and protected to maintain fire rating.
- 20. PROTECTION OF FLOOR SURFACES:**
Contractor shall provide adequate protection for all finished floor surfaces, existing or new including but not limited to, ceramic tile, vinyl tile, concrete, etc., throughout the construction period.
- 21. COMMUNICATION EQUIPMENT:**
The GC shall coordinate the work he is responsible for with the owner's communication service providers. Coordinate the location of all system controls with the electrical system installer, the owner, and the architect prior to installation. Owner's communication provider to assure that juxtaposition of electrical and data lines will not result in interference, static, or in any other way disrupt the normal function of the data/communication system(s).
- 22. SUBSTRATE PREPARATIONS:**
All subsurfaces shall be properly prepared before application of finishes. Prepare substrate in accordance with finish manufacturer's recommendations. Contractor shall assume responsibility for substrate conditions where finishes are applied.
- 23. DIMENSION STANDARDS:**
Dimensions are not adjustable unless noted with a +/- symbol. Only normal industry standard tolerances are acceptable deviations from dimensions indicated. Do not scale drawings. All dimensions noted as "clear" shall maintain the full space indicated without encroachments. All vertical heights indicated are from the finish floor elevation at the base of the item indicated, unless noted otherwise. Where walls, jambs, or other items are noted to "align", the face of items indicated shall be in line with each other to form a straight line, free of offsets or deviations. Field verify all dimensions. Unless noted otherwise, dimensions are actual, not nominal, as follows:

- Columns - from center line to center line
- Interior partitions - from finish face to finish face
- Concrete/ masonry - from finish face to finish face
- Exterior walls - from exterior face to interior finish face of wall

- DEFINITIONS & TERMINOLOGY**
- 1. "TYPICAL":**
Unless noted otherwise, means identical for all conditions, which match original condition indicated.
- 2. "SIMILAR":**
Means comparable characteristics for the conditions noted. Verify dimensions and orientation of conditions, which vary from typical or similar condition indicated.
- 3. "OPPOSITE HAND":**
Means condition is mirror image of detailed referenced.
- 4. "ALIGN":**
Means alignment of similar components of construction (walls, jambs, etc.), which are adjacent or the components shall be in line with each other across voids. Dimensions are not adjustable unless noted with plus/minus tolerance.
- 5. "O.F.O.I.":**
Means "owner furnished, owner installed"
- 6. "U.N.O.":**
Means "unless noted otherwise"
- 7. "O.F.C.I.":**
Means "owner furnished, contractor installed"
- 8. REFERENCES:**
All references to contractor shall refer to general contractor and/or subcontractor. All references to the owner shall mean the owner or the owner's agent.

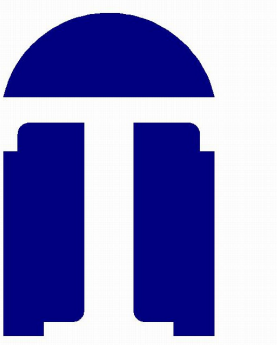
All work shall comply with the following codes as adopted by the City of Anniston;
2021 International Building Code
2020 National Electrical Code
2021 International Plumbing Code
2021 International Mechanical Code



Vicinity Map

Sheet Index

Label	Title
T1	Title Sheet
N1	Vicinity Map & Notes
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S2	Large Scale Site Plan
A1	Foundation Plan, Floor Plan, & Schedules
A2	Exterior Elevations
A3	Large Scale Plan, Interior Elevations, Schedules, Notes
A4	Roof Plan and Details
A4	Framing Plans and Notes
A5	Sections and Details
M1	HVAC Legend, Notes, and Schedules
M2	HVAC Schedules and Details
M3	HVAC Details and Calculations
M4	HVAC Plan
P1	Plumbing Schedules, Legend, and Notes
P2	Plumbing Details
P3	Plumbing Plans and Riser Diagrams
E1	Notes, Symbols, and Fixture Schedule
E2	Single Line Diagram, Schedules, and Site Plan
E3	Lighting, Power and Auxiliaries Plans and Details



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Vicinity Map & Notes

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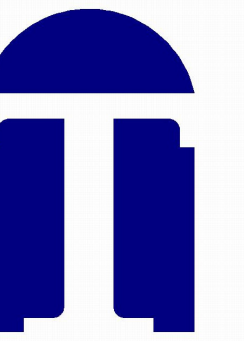
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5/1/2023

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N1

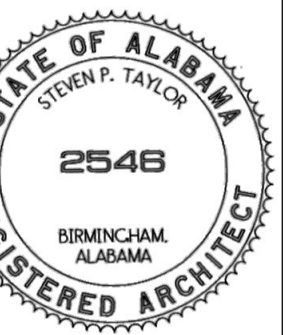


Norwood Community Site Plan



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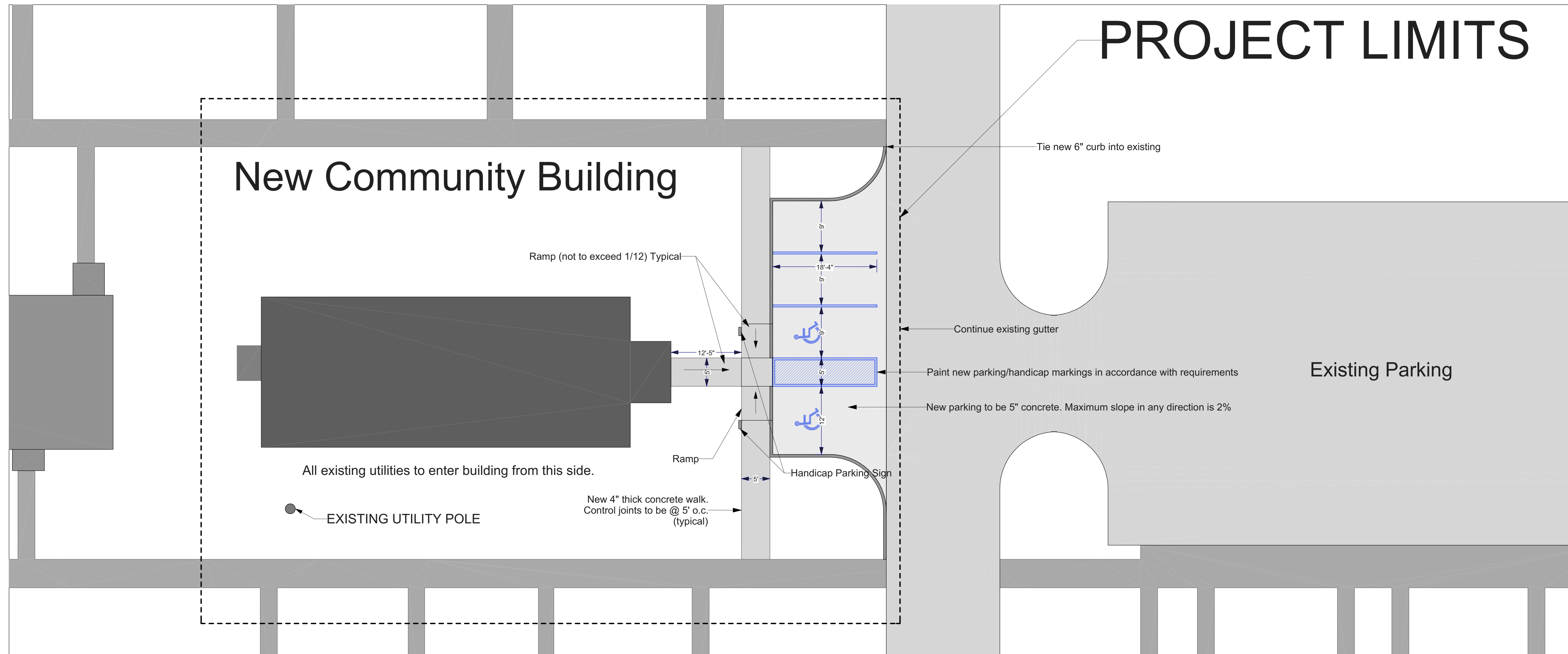
Site Plan

TDA 445

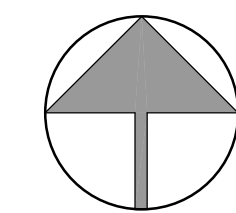
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5/1/2023

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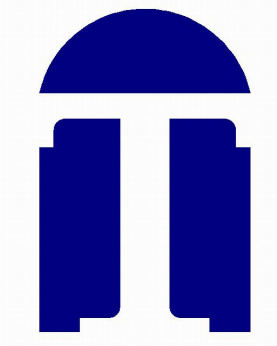
S1



Large Scale Building Site Plan 1" = 10' (24" x 36" Sheet)



Plan North



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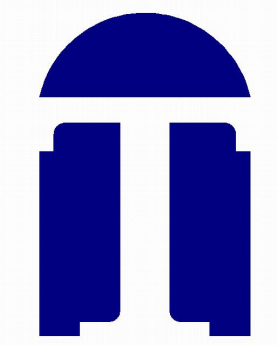
Large Scale
Site Plan

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5/1/2023

SHEET:

S2

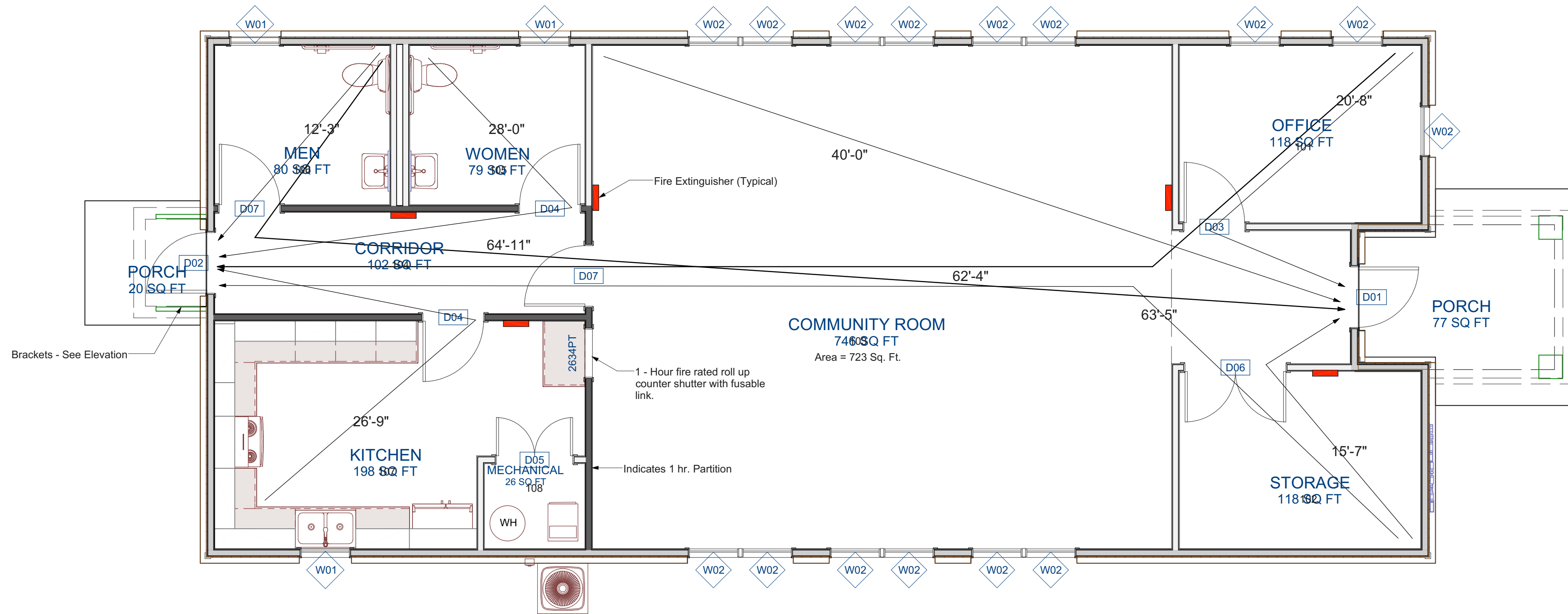


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Egress Plan 1/4" = 1' - 0" (when printed on 24x36)

LIVING AREA
1530 SQ FT

Plan Review – 2021 International Building Code

Site:

1. The building is part of the Anniston Housing Authority's Norwood Apartment Community between West 29th Street and West 30th Street with easy access by Firefighting Apparatus.
2. Fire Hydrants are within acceptable distances.
3. The building is located on the site of burned apartment building which was totally removed. All site utilities are easily accessible. The previous building's foundation and slab was removed. The existing subsoil condition is acceptable for the new building structure.
4. Adjacent buildings are beyond acceptable distances.
5. The site is easily accessible from Anniston Fire Station 4.

Building:

The proposed Scope of Work includes;

- Construction of a small Community Building for the use of the residents of Norwood Apartments.
- Site improvements related to the new construction including Handicap Accessible walks and parking.

Building Area, size, and height;

- a. Area = 1,528 sq. ft. (gross)
- b. Building is one story
- c. Height = 8'-4" to soffit, 16 ft. to roof ridge

Building Occupancy;

- a. Occupancy – Assembly (A-3) - Building has a Small Assembly space less than 750sq.ft.

Construction Type;

- a. Type V Construction – Non-bearing interior partitions.

Allowable Height and Area;

- a. Height: Non-Sprinklered – 40 ft.
- b. Area: One story, Assembly Occupancy (A-3): 9,000 sq. ft. (without factors)

Occupant Load

- a. Assembly (A3): 746 sq. ft. (gross). Load @ 1 per 7 sq. ft. = 106 Occupants
- c. Total Occupant Load of Building = 108 Occupants.

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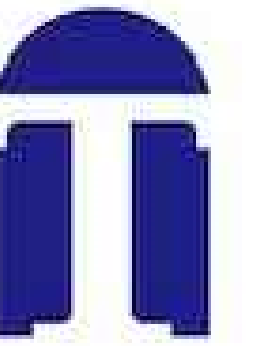
Life Safety
Plan

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DATE:
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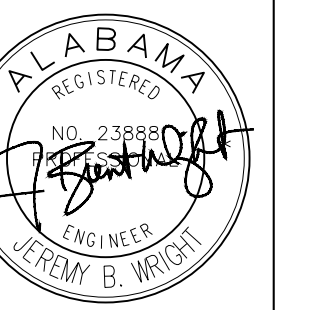
SHEET:

LSP

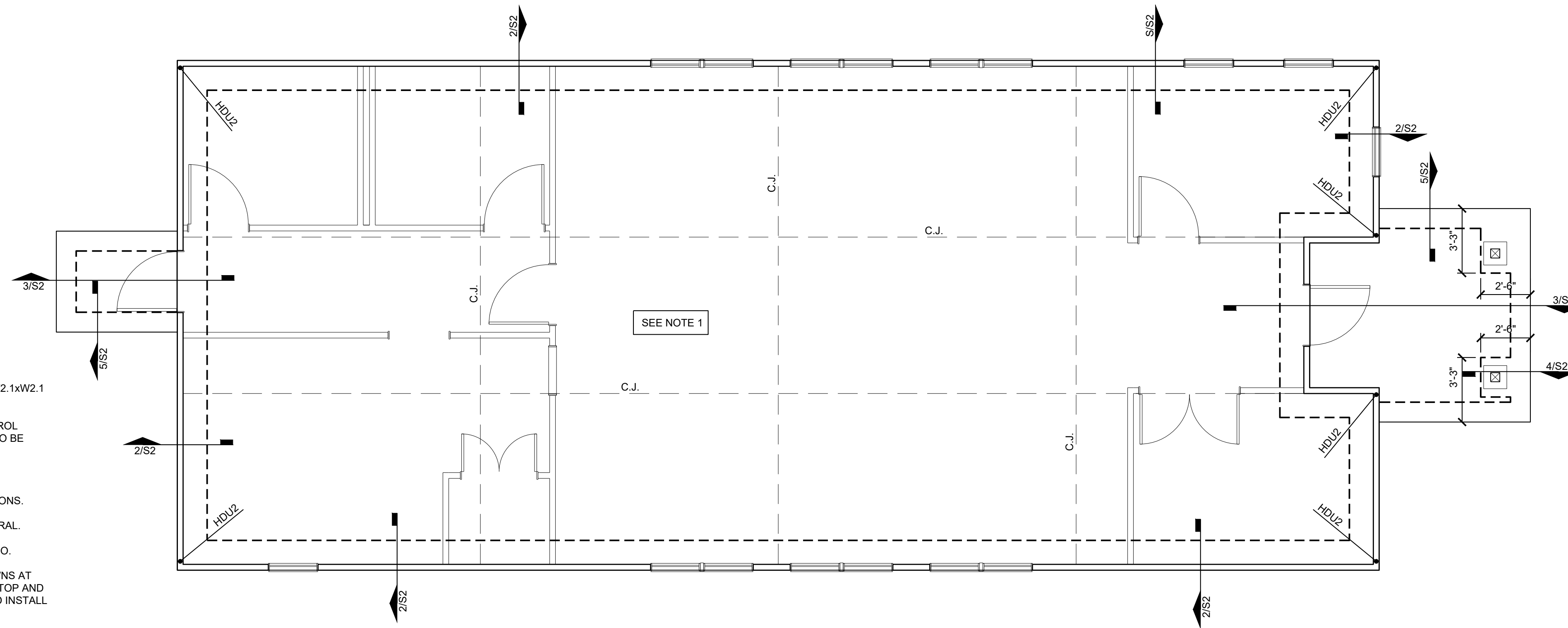


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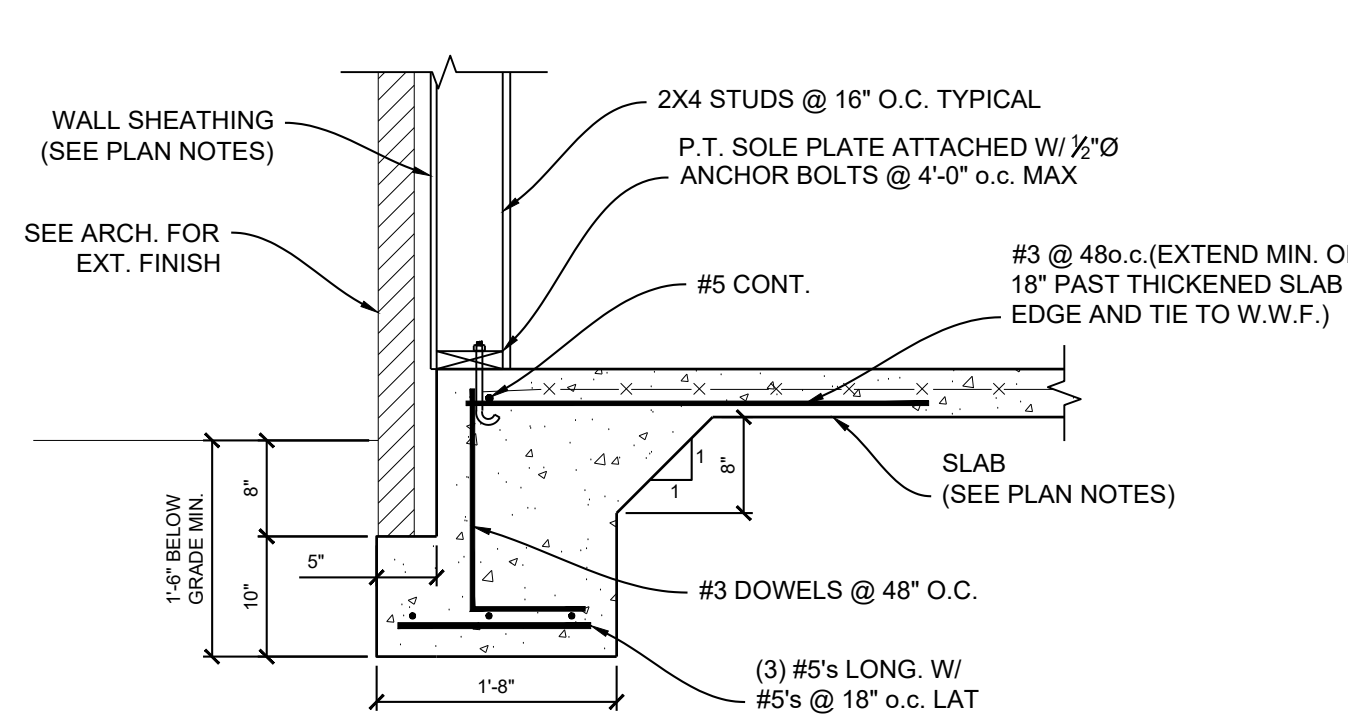
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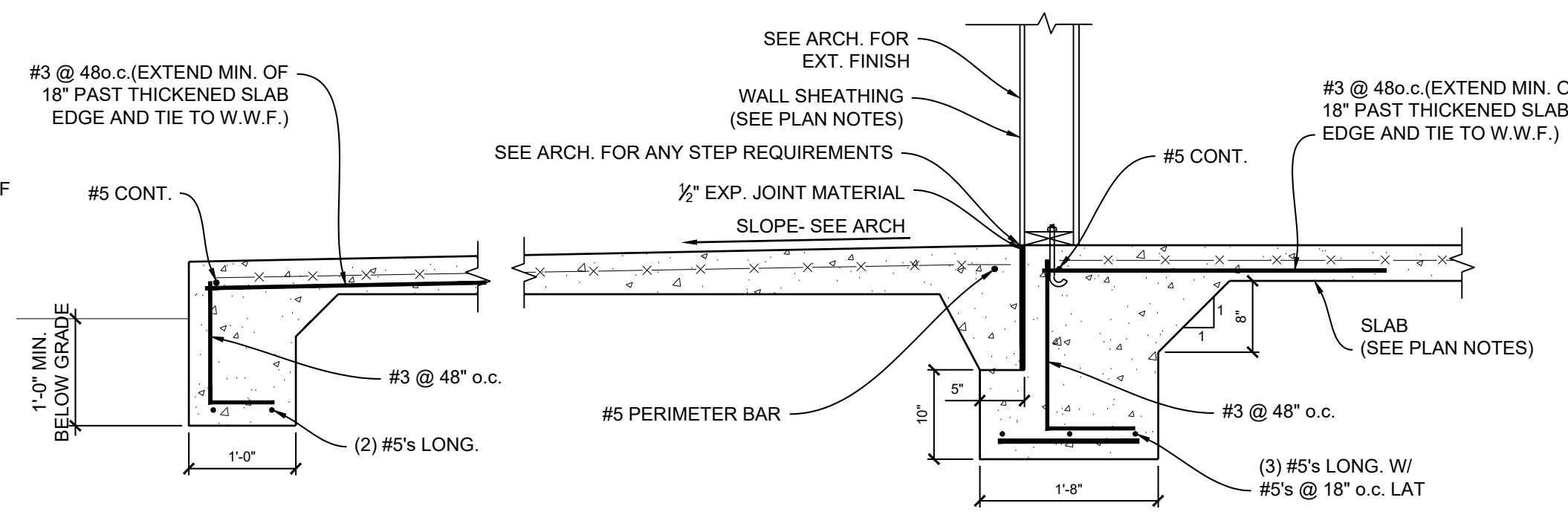
1 FOUNDATION PLAN
SCALE: 1/4"=1'-0"

FOUNDATION PLAN NOTES:

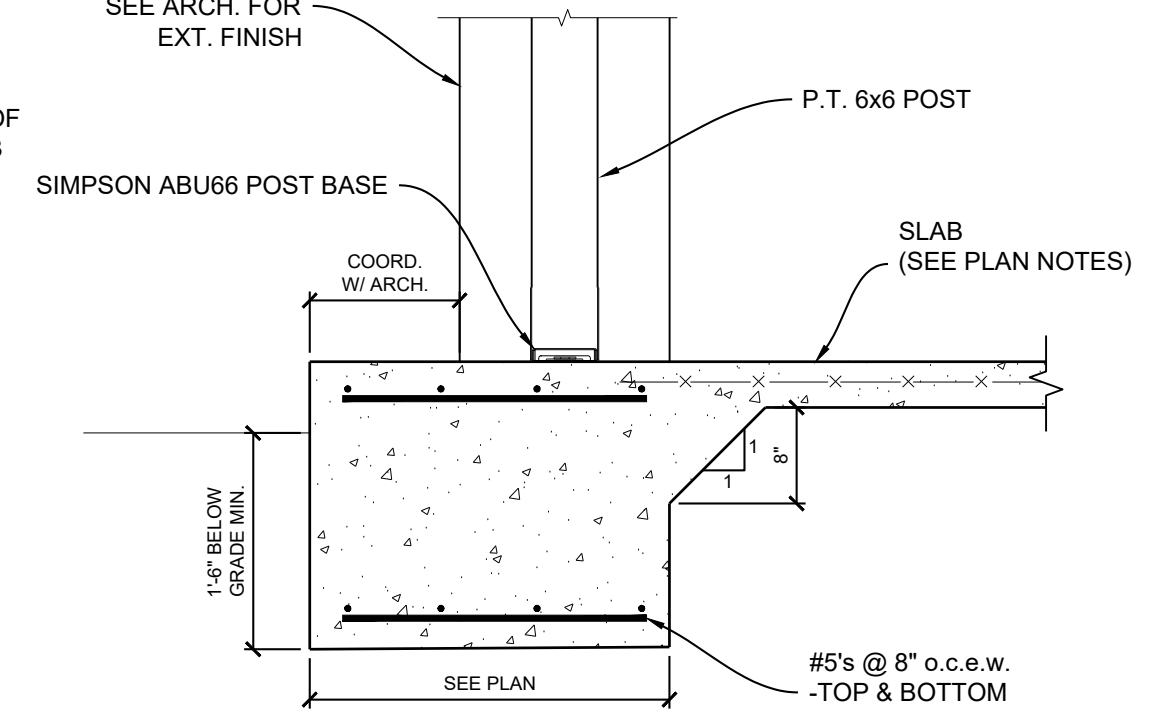
1. SLAB ON GRADE SHALL BE MINIMUM 4" THICK AND REINFORCED WITH 6x6-W2.1xW2.1 W.W.F.
2. C.J. ON PLAN INDICATES THE APPROXIMATE LOCATIONS OF SAWCUT CONTROL JOINTS OR CONSTRUCTION JOINTS AT CONTRACTOR'S OPTION. LOCATIONS TO BE APPROVED BY THE ARCHITECT PRIOR TO CONSTRUCTION. SEE DETAILS.
3. VERIFY ALL SLAB SLOPES AND STEP REQUIREMENTS W/ ARCH. DRAWINGS.
4. SEE ARCHITECTURAL DRAWINGS FOR ALL FOUNDATION AND SLAB DIMENSIONS.
5. F.F.E. = 0'-0". VERIFY ALL FINISHED FLOOR ELEVATIONS WITH ARCHITECTURAL.
6. ALL ENTRY PORCH COLUMNS SHALL BE 6x6 S.Y.P. PRESSURE TREATED U.N.O.
7. HDU2 ON PLAN INDICATES LOCATIONS OF SIMPSON HDU2-SDS2.5 HOLDDOWNS AT THE ENDS OF SHEARWALLS TO MINIMUM 3-2X STUD PACKS. INSTALL HDU AT TOP AND BOTTOM OF STUD PACKS. THROUGH BOLT THROUGH DOUBLE TOP PLATE AND INSTALL 2" SQUARE PLATE WASHER.
8. ALL EXTERIOR WALLS ARE SHEAR WALLS. EXTERIOR WALL PANELS SHALL BE EXPOSURE 1 APA RATED, 7/8" (NOMINAL) THICK OSB SHEATHING WITH A 7/8" SPAN RATING.
9. INSTALL CS16 TO STUDS AT TOP AND BOTTOM OF WALL AT 48" O.C. (ALIGN AS CLOSE AS PRACTICAL TO SILL PLATE TO ANCHOR ROD CONNECTION) BETWEEN SHEAR WALLS ON ALL EXTERIOR WALLS



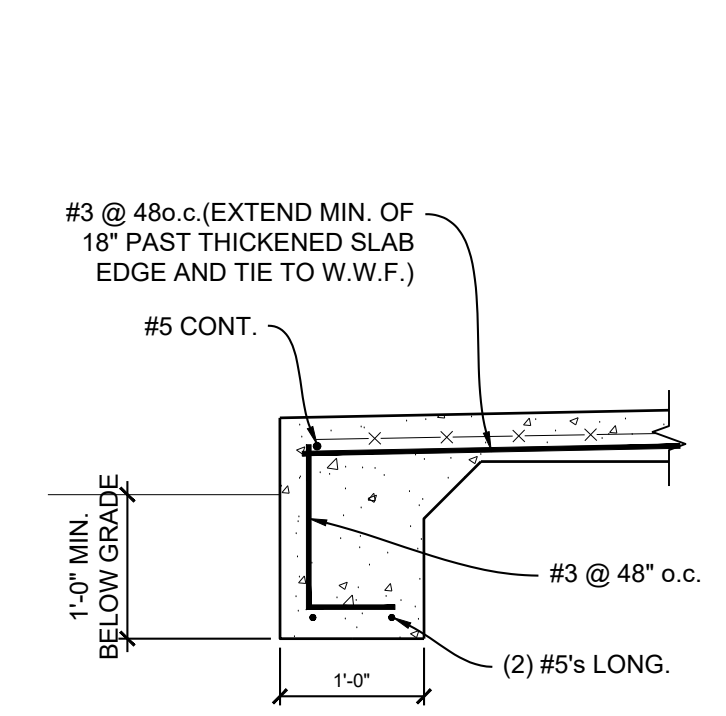
2 EXT. FOOTING DETAIL
SCALE: 3/4"=1'-0"



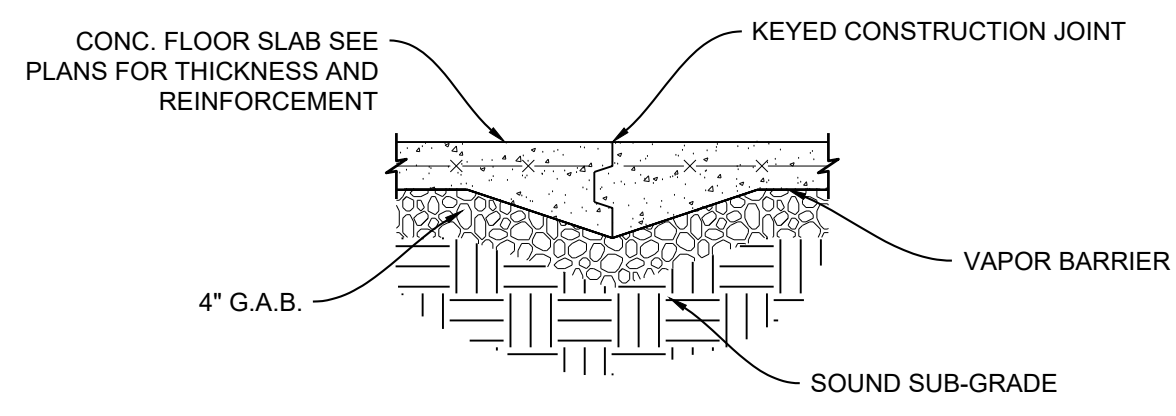
3 FOOTING DETAIL
SCALE: 3/4"=1'-0"



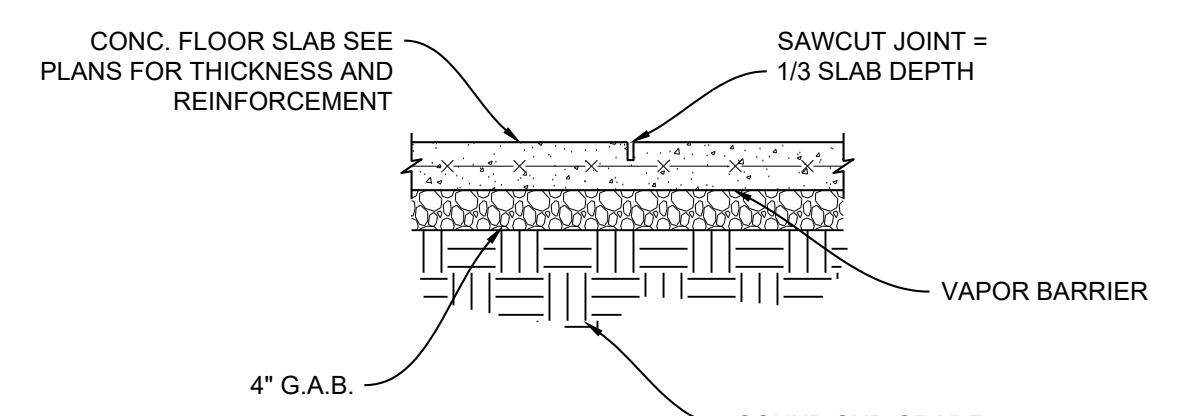
4 FOOTING DETAIL
SCALE: 3/4"=1'-0"



5 FOOTING DETAIL
SCALE: 3/4"=1'-0"



6 TYP. CONSTRUCTION JOINT
SCALE: 3/4"=1'-0"



7 TYP. SAWCUT JOINT
SCALE: 3/4"=1'-0"

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FOUNDATION
PLAN &
DETAILS

TDA 445

DATE:
10/10/2023

SHEET:

S2



ROOF FRAMING PLAN NOTES:

1. ALL ROOF DECKING SHALL BE 1/2" NOMINAL APA RATED EXPOSURE 1 MINIMUM OR AS REQUIRED BY ARCHITECTURAL UL RATINGS. ATTACH TO SUPPORTS WITH 8d NAILS SPACED 6" o.c. AT EDGES AND 12" o.c. MAXIMUM FIELD SPACING.
2. PROVIDE MINIMUM 3 - 2x4 STUD PACK AT ALL GIRDER TRUSS BEARING & ROOF BEAM END BEARING LOCATIONS UNLESS NOTED OTHERWISE.
3. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
4. ALL EXPOSED EXTERIOR DIMENSIONAL LUMBER SHALL BE PRESSURE TREATED.
5. ALL ROOF FRAMING SHALL BE PRE-ENGINEERED WOOD TRUSSES @ 24" o.c. MAX U.N.O. CONNECT EACH END WITH (1) SIMPSON H2.5A U.N.O.
6. SEE DETAILS FOR BEAM TO COLUMN CORNER CONNECTION REQUIREMENTS AT THE ROOF.
7. ALL STUD FRAMING SHALL BE MINIMUM 2X4, #2 SPRUCE PINE FIR OR #2 SOUTHERN YELLOW PINE.
8. ALL EXTERIOR WALLS ARE CONSIDERED SHEAR WALLS. SHEATH WITH MINIMUM 7/8" APA RATED EXPOSURE 1 ATTACHED TO SUPPORTS WITH 8d NAILS SPACED 6" o.c. AT EDGES AND 8" FIELD SPACING. BLOCK ALL PANEL EDGES. SEE FOUNDATION NOTES FOR HOLDOWN REQUIREMENTS.
9. 8D NAILS MUST BE MINIMUM 2 1/2" X .113"
10. INSTALL CS16 TO STUDS AT TOP AND BOTTOM OF WALL AT 48" O.C. (ALIGN AS CLOSE AS PRACTICAL TO SILL PLATE TO ANCHOR ROD CONNECTION) BETWEEN SHEAR WALLS ON ALL EXTERIOR WALLS

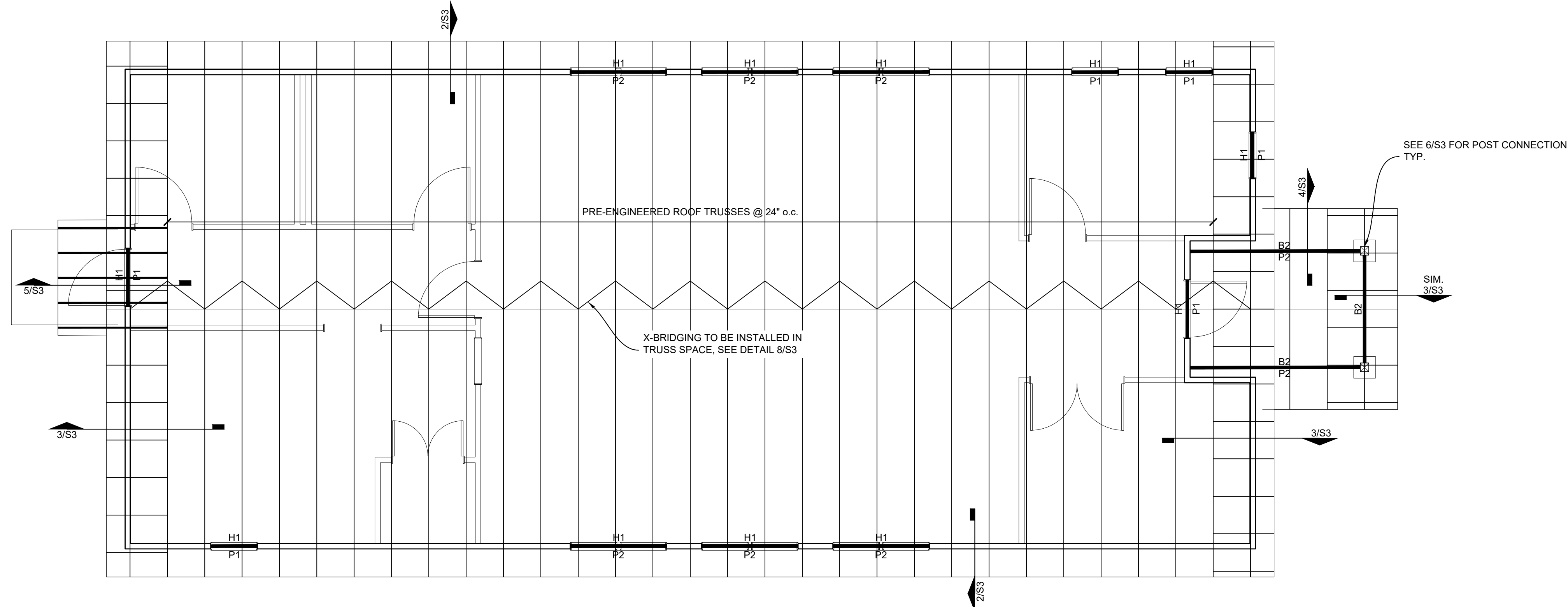
HEADER/BEAM SCHEDULE		HANGER OPTIONS	
MARK	DESCRIPTION	BEAM TO BEAM	BEAM TO COLUMN
H1/B1	(2)2x8+1/2" PLYWOOD	HU48	HUC48
H2/B2	(2)2x10+1/2" PLYWOOD	HUS410	HUSC410

"H" DROPPED HEADER, "B" FLUSH BEAM

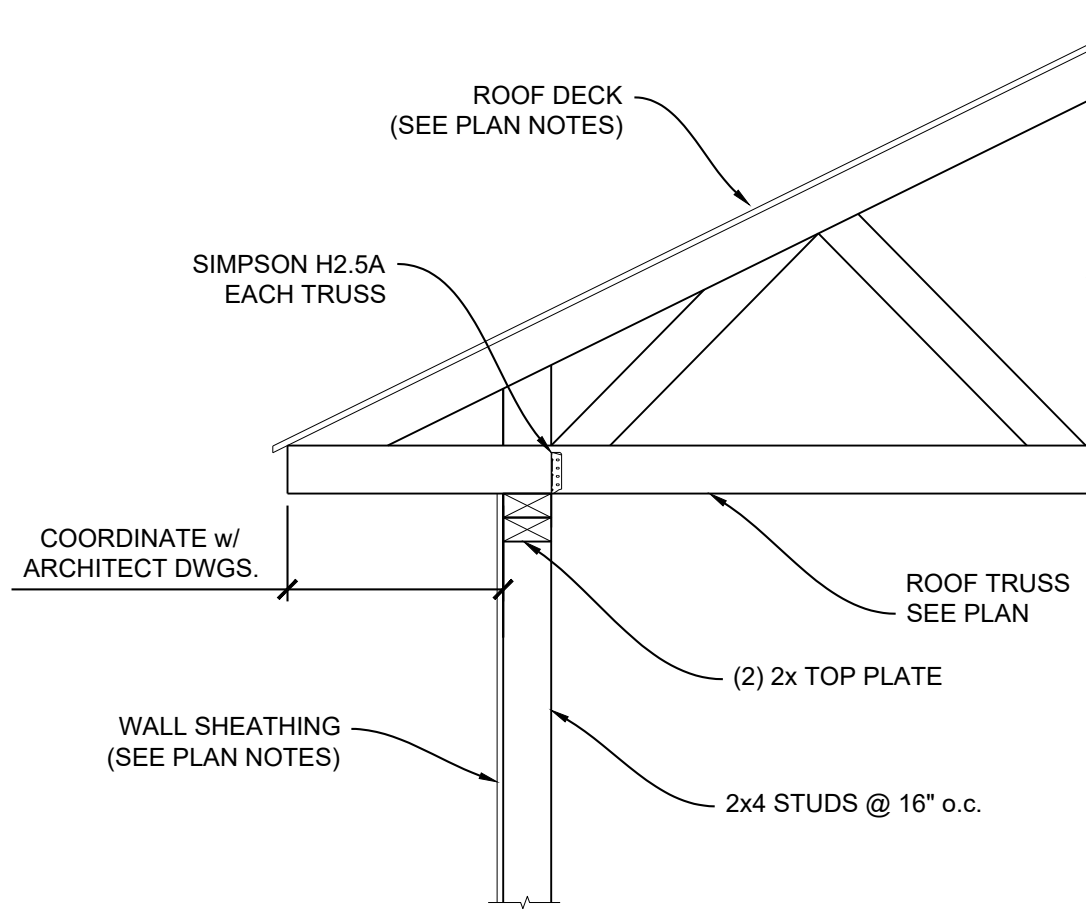
POST/JAMB SCHEDULE	
MARK	SUPPORTING ROOF ONLY
P1	1 (1)
P2	1 (2)

POST/JAMB NOTES:

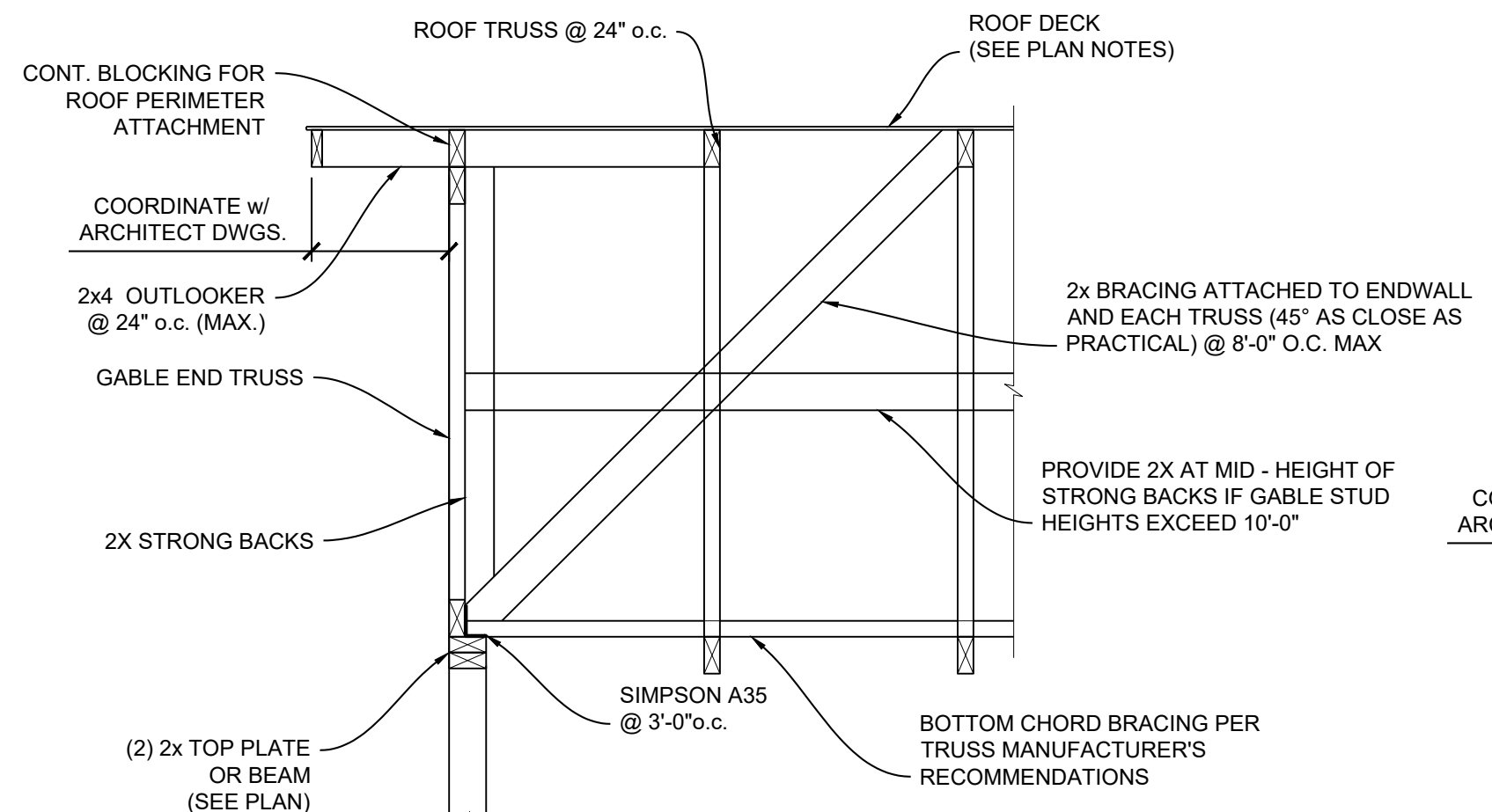
1. FIRST NUMBER REPRESENTS THE NUMBER OF JACK STUDS. NUMBER IN PARENTHESIS REPRESENTS NUMBER OF KING POST STUDS.
2. MINIMUM #2 GRADE S.P.F. UNLESS NOTED OTHERWISE.
3. PROVIDE FULL BEAM BEARING ABOVE ALL JACK STUDS.



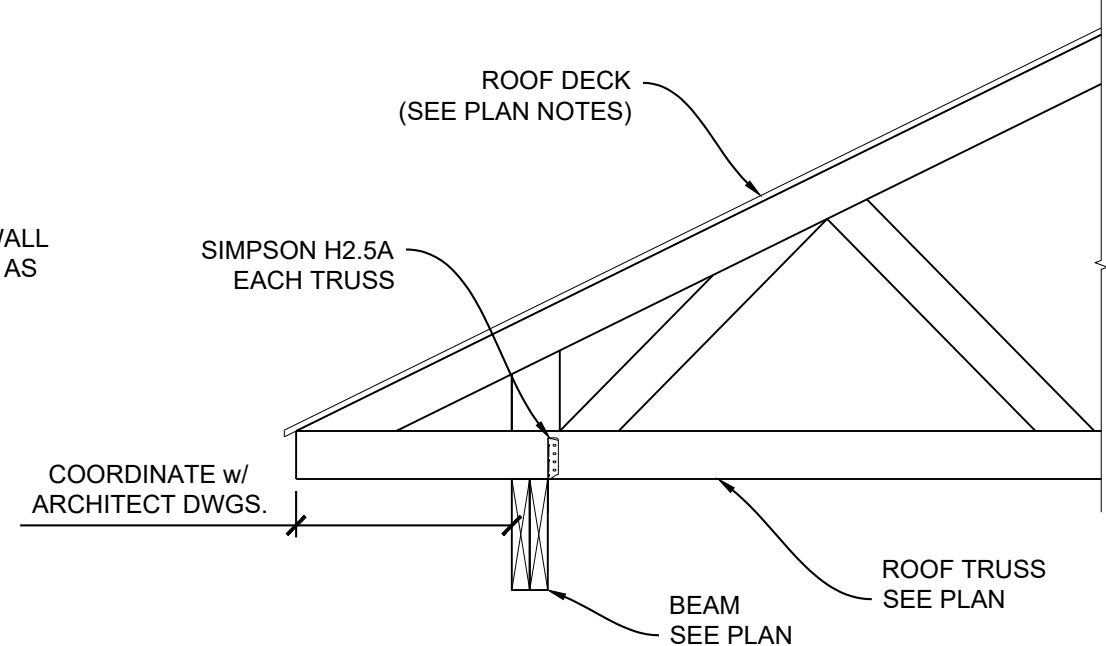
1 ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



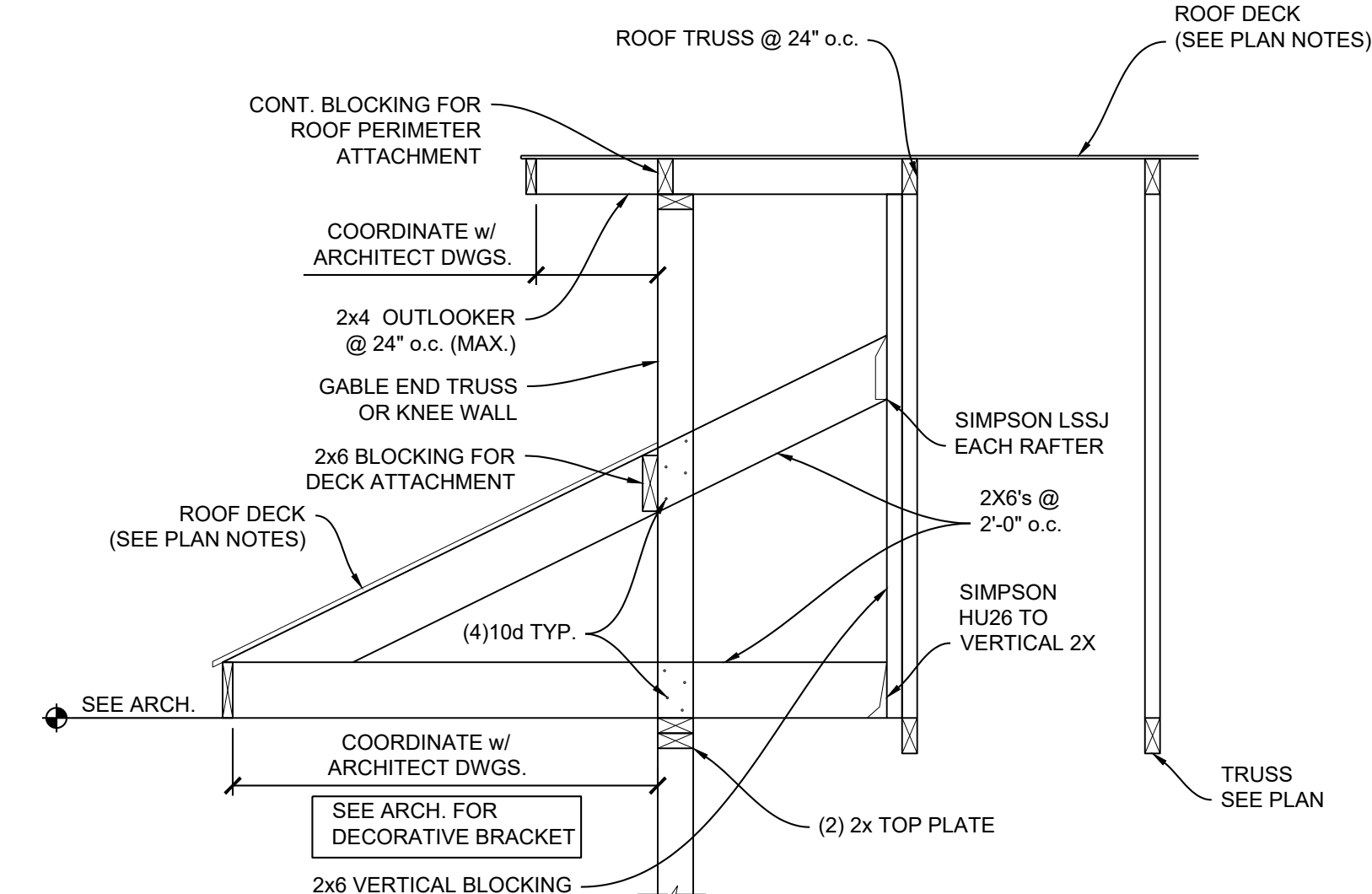
2 TYP. TRUSS BEARING
SCALE: 3/4"=1'-0"



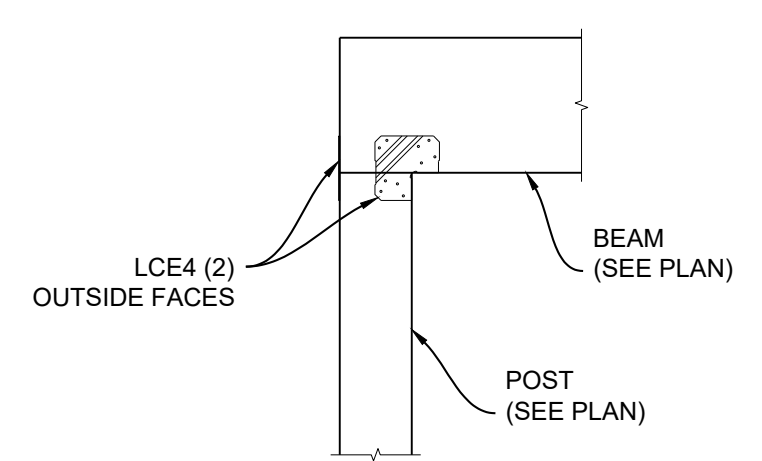
3 GABLE END DETAIL
SCALE: 3/4"=1'-0"



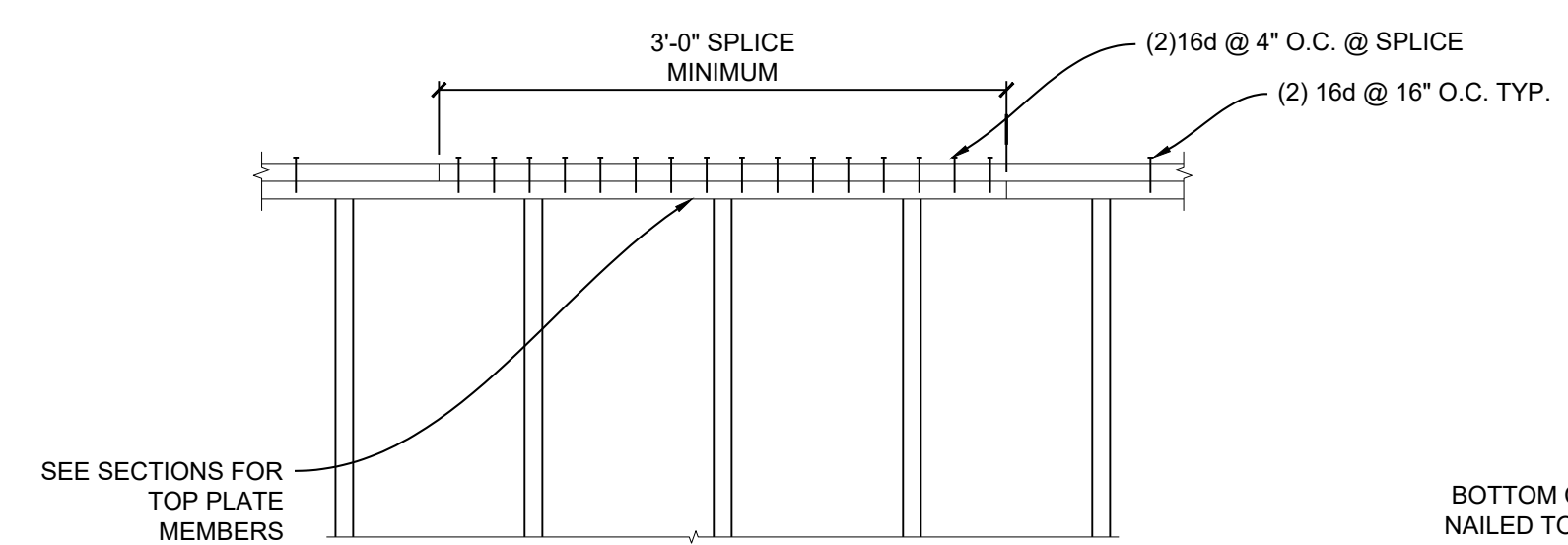
4 TYP. TRUSS BEARING
SCALE: 3/4"=1'-0"



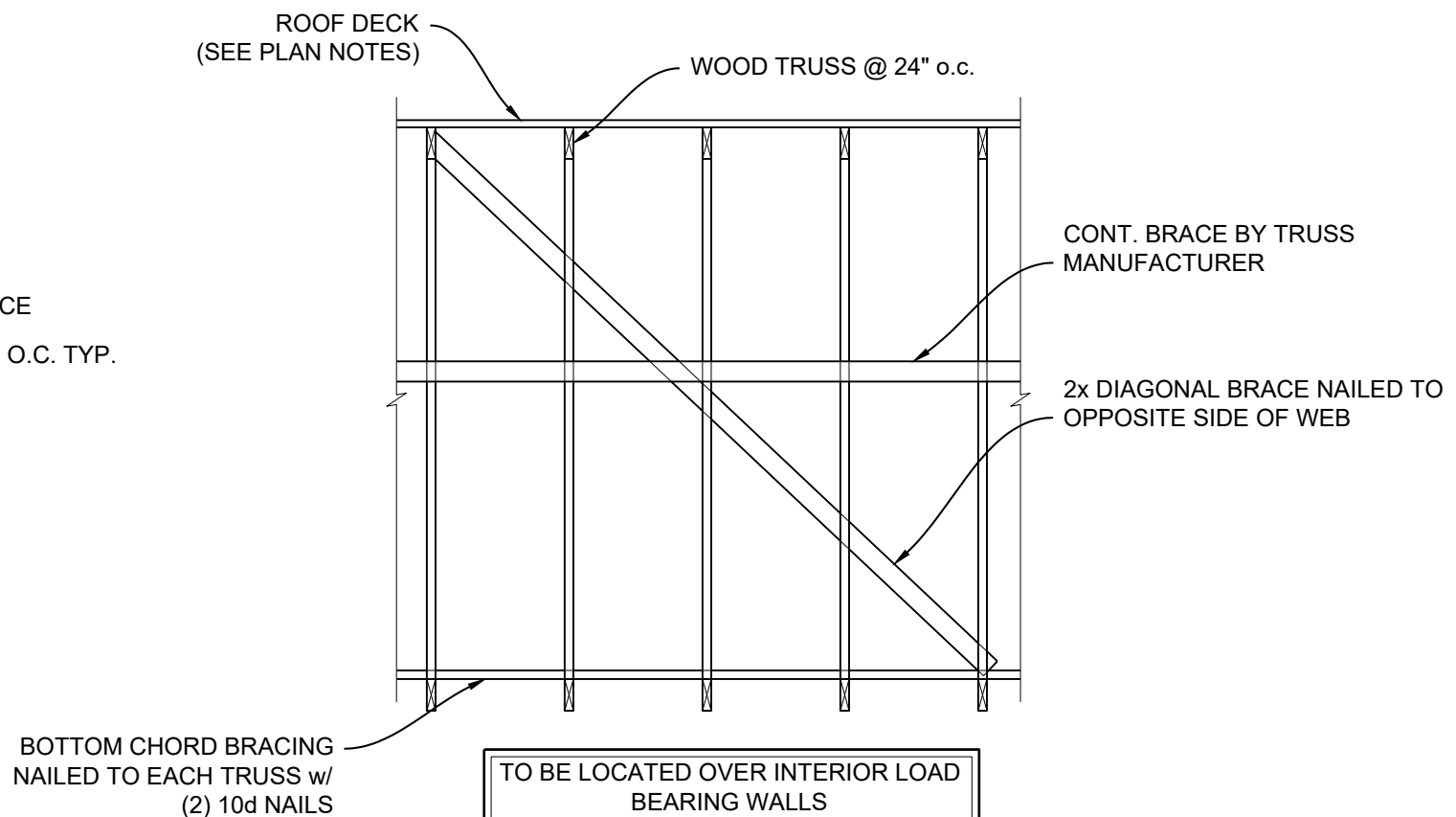
5 LOW ROOF DETAIL
SCALE: 3/4"=1'-0"



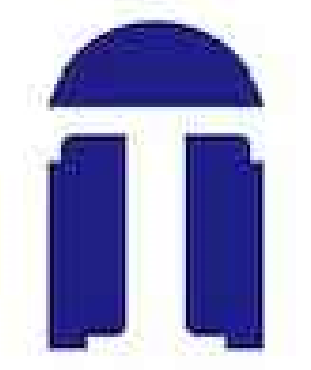
6 POST TOP CONNECTION
SCALE: 3/4"=1'-0"



7 TYPICAL TOP PLATE SPLICE DETAIL
SCALE: N.T.S.



8 TYP. TRUSS DIAGONAL WEB BRACING
SCALE: 3/4"=1'-0"



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ROOF FRAMING PLAN & DETAILS

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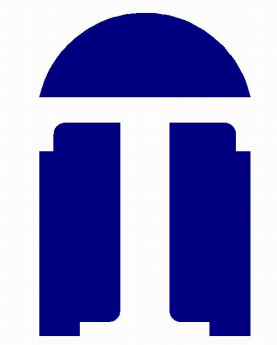
DATE: 10/10/2023

SHEET:

S3



7413 Whitfield Road
Bldg. 800 Columbus, GA 31904
Ph: (706) 507-0233
www.wrighteng.net

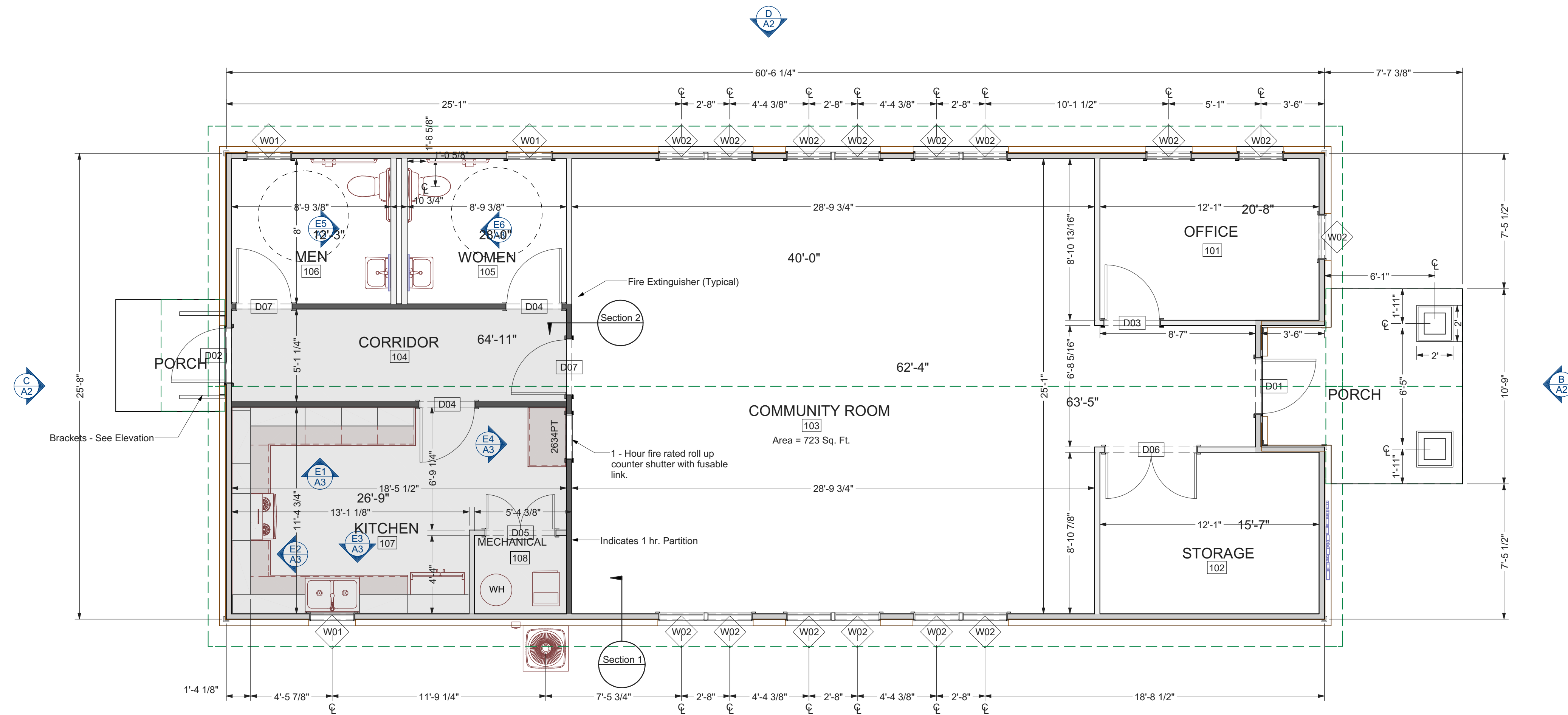


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Anniston Housing Authority
Anniston, Alabama



Floor Plan 1/4" = 1' - 0" (when printed on 24x36)

LIVING AREA
1530 SQ FT

Door Schedule											
Number	Label	Qty	Size	Width	Height	R/O	Description	Header	Thickness	Code	Comments
D01	3068	1	3068 L EX	36"	80"	38"X83"	ext. Hinged-Door E06	2"X6"X41" (2)	1 3/4"		
D02	3068	1	3068 L EX	36"	80"	38"X83"	ext. Hinged-Door E21	2"X6"X41" (2)	1 3/4"		
D03	3068	1	3068 L IN	36"	80"	38"X82 1/2"	Hinged-Door P09	2"X6"X41" (2)	1 3/8"		
D04	3068	2	3068 R IN	36"	80"	38"X82 1/2"	Hinged-Door P09	2"X6"X41" (2)	1 3/8"	1 Hr. Rating, C Label	
D05	3968	1	3968 L/R IN	45 7/16"	80"	47 7/16"X82 1/2"	Double Hinged-Door P09	2"X6"X50 7/16" (2)	1 3/8"		
D06	5068	1	5068 L/R IN	60"	80"	62"X82 1/2"	Double Hinged-Door P09	2"X6"X65" (2)	1 3/8"		
D07	3068	2	3068 L IN	36"	80"	38"X82 1/2"	Hinged-Door P09	2"X6"X41" (2)	1 3/8"	1 Hr. Rating, C Label	

Window Schedule									
Number	Label	Qty	Size	Width	Height	R/O	Egress	Description	Header
W01	2630SH	3	2630SH	30"	36"	31"X37"		Single Hung	2"X6"X34" (2)
W02	26410SH	15	26410SH	30"	58"	31"X59"		Single Hung	2"X6"X34" (2)

Revision Table	
Number	Date

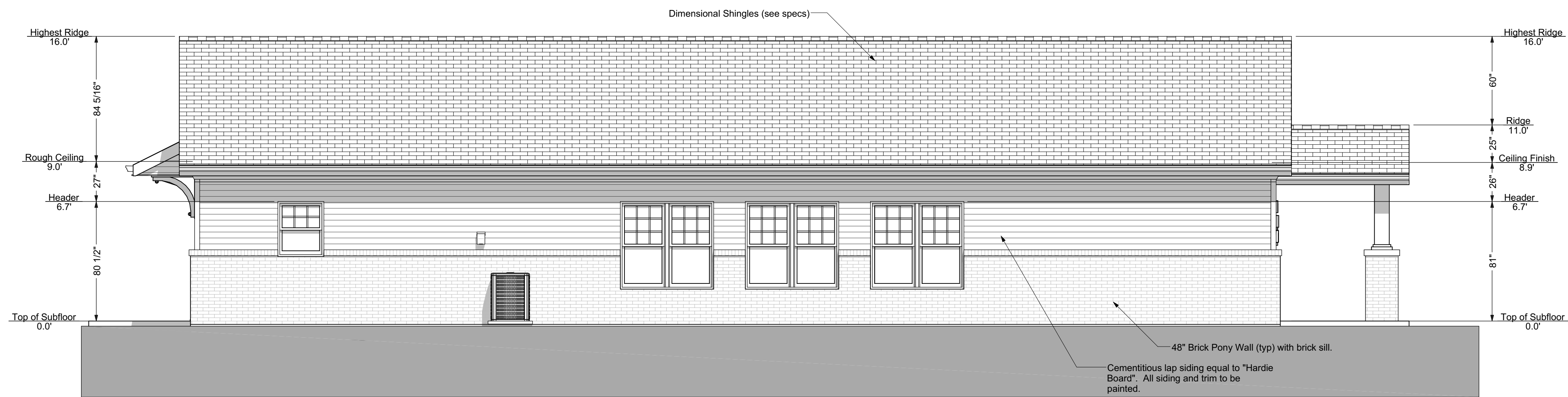
Foundation
Plan, Floor
Plan, &
Schedules

TDA 445

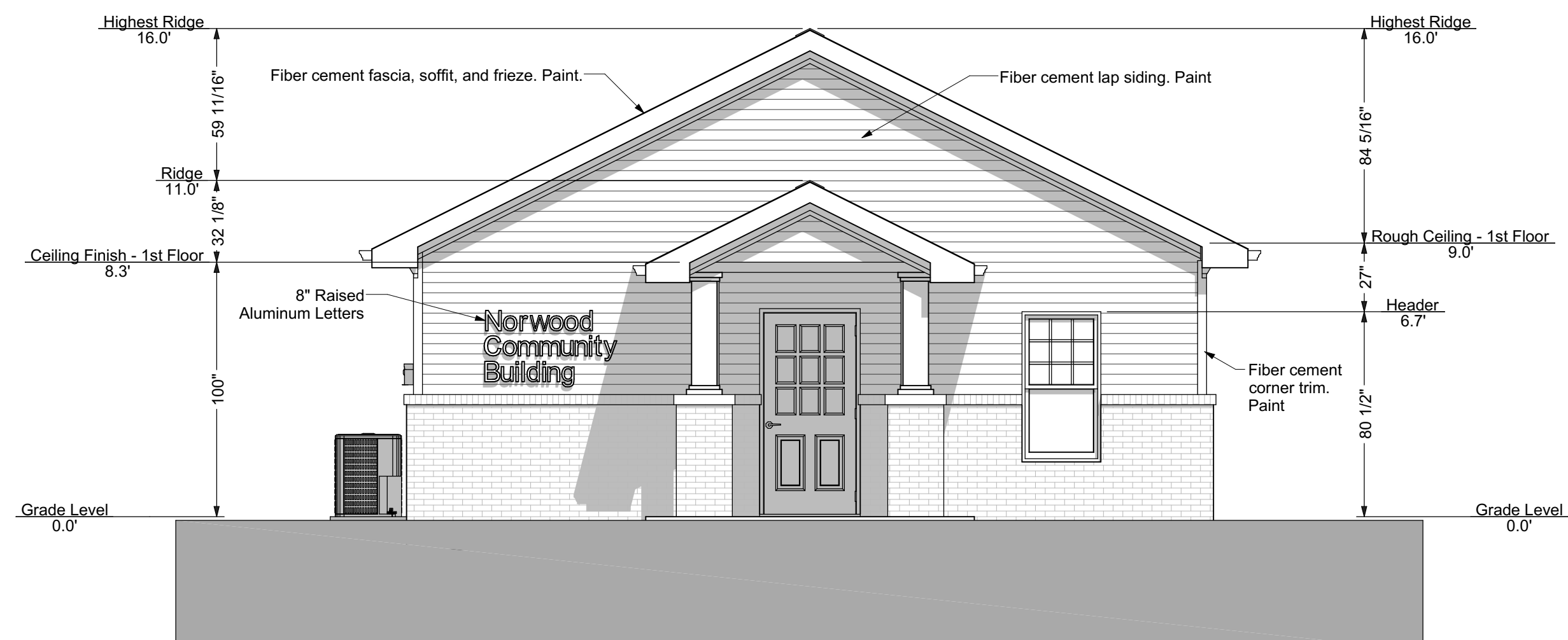
DATE:
5/1/2023

SHEET:

A1



A South Elevation
A2 1/4 in = 1 ft



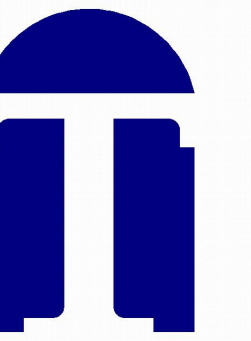
B East Elevation
A2 1/4 in = 1 ft



C West Elevation
A2 1/4 in = 1 ft

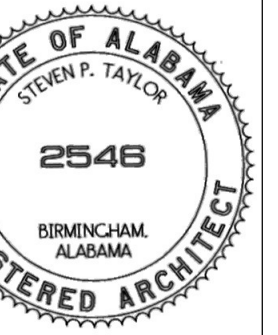


D North Elevation
A2 1/4 in = 1 ft



TDA
architects
LLC

125 West Columbus Street
Dadeville, Alabama 36853



Norwood Community Center
Anniston Housing Authority
Anniston, Alabama

Number	Date	Revised By	Description

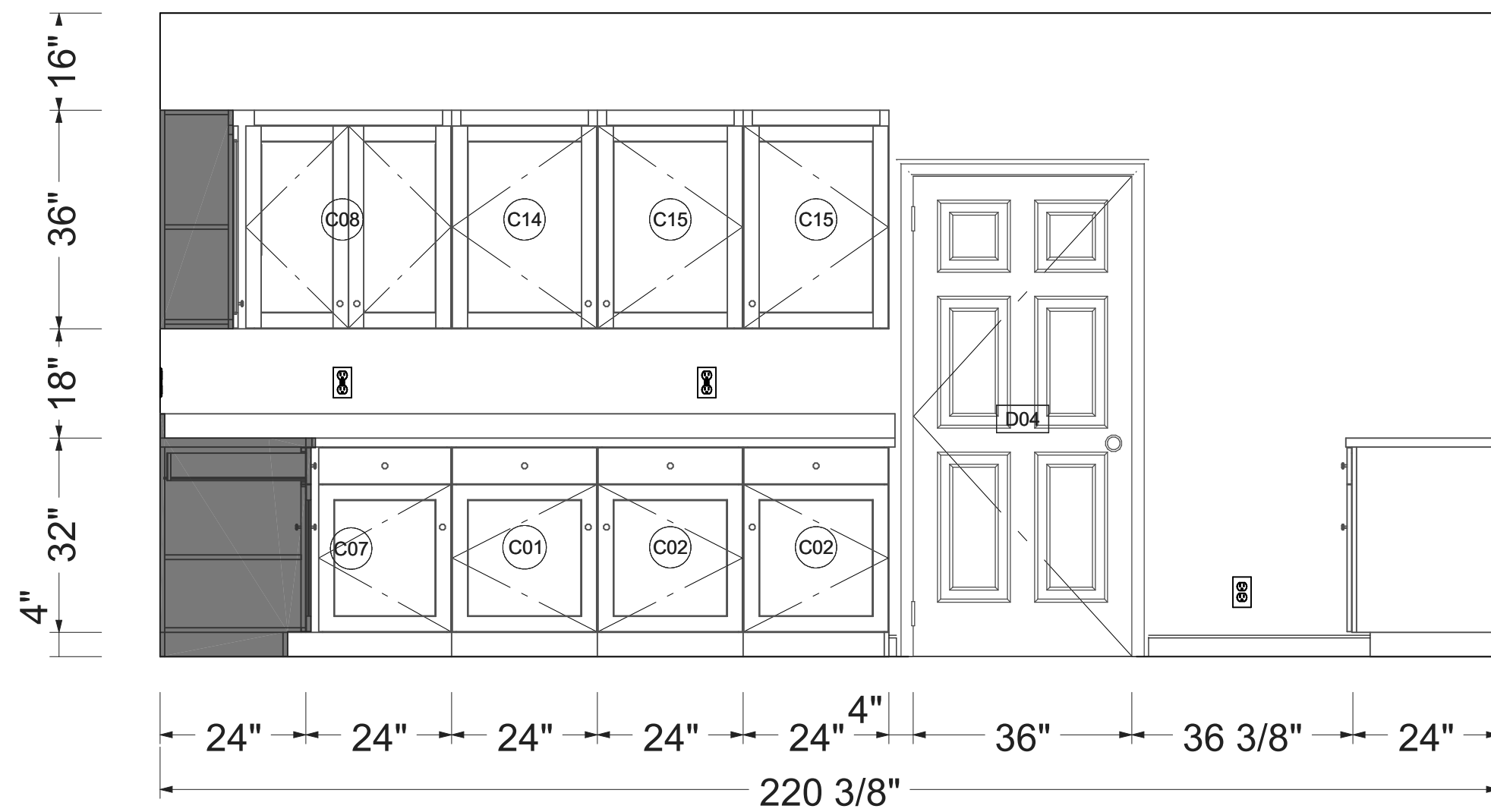
Exterior Elevations

TDA 445

DATE:
5/1/2023

SHEET:

A2

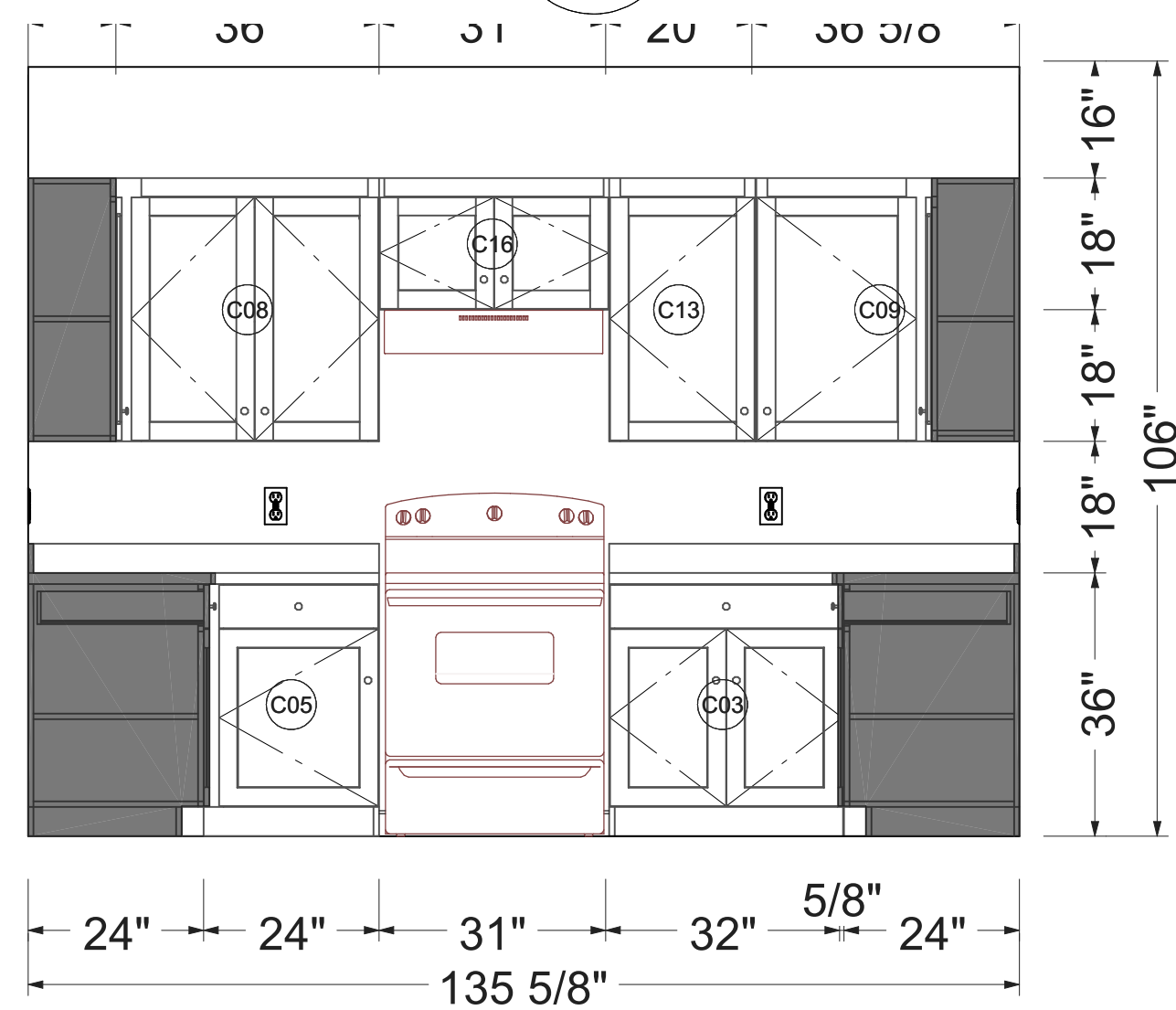


Cabinet Schedule								
Number	Label	Qty	Floor	Width	Depth	Height	Description	Comments
C01	B24L	1	1	24"	24"	36"	base cabinet	
C02	B24R	2	1	24"	24"	36"	base cabinet	
C03	BCB32	1	1	32"	24"	36"	base cabinet	
C04	B38	1	1	38"	24"	36"	base cabinet	
C05	BCB24L	1	1	24"	24"	36"	base cabinet	
C06	BCB48R	1	1	48"	24"	36"	base cabinet	
C07	BCB48L	1	1	48"	24"	36"	base cabinet	
C08	BCW3636	2	1	36"	12"	36"	wall cabinet	
C09	BCW3536R	1	1	35"	12"	36"	wall cabinet	
C10	BCW4836	1	1	48"	12"	36"	wall cabinet	
C11	SB36	1	1	36"	24"	36"	base cabinet	
C13	W2036L	1	1	20"	12"	36"	wall cabinet	
C14	W2436L	1	1	24"	12"	36"	wall cabinet	
C15	W2436R	2	1	24"	12"	36"	wall cabinet	
C16	W3118	1	1	31"	12"	18"	wall cabinet	
C17	W3236	1	1	32"	12"	36"	wall cabinet	
C18	W4018	1	1	40"	12"	18"	wall cabinet	
C19	B32	1	1	32"	24"	36"	base cabinet	

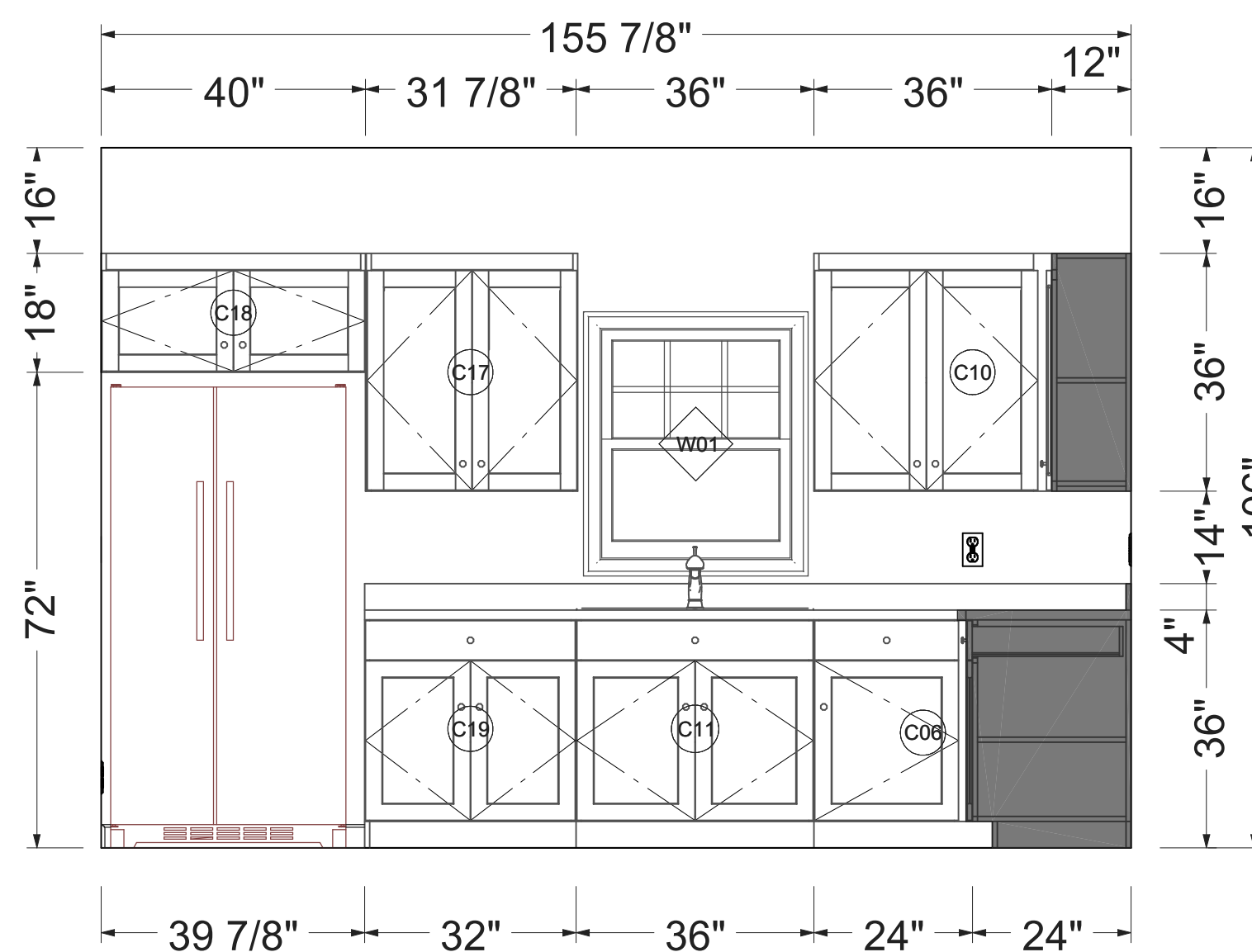
Cabinet General Notes

1. Plastic Laminate shall be installed to extend from Base Cabinet backsplash to Wall Cabinet bottom.
2. Corner cabinets shall extend full distance to corner. No voids will be acceptable.
3. All range splashes shall be stainless steel and shall extend from Range Hood to 6" below counter top.
4. All plastic laminate vertical and horizontal edges shall receive aluminum trim where they do not abut a perpendicular surface.
5. All filler strips shall continue at wall cabinet underside to seal all voids.
6. All cabinet hinges shall be adjustable.
7. All range openings shall be 31" clear.
8. Cabinet finishes shall be uniform within an apartment unit. Juxtaposed finishes will be rejected and shall be replaced.
9. All cabinet doors shall have three silencers per door. Each silencer shall be securely installed.
10. All drawer fronts shall be glued and screwed to sub-fronts.
11. Rangoon vent at cabinet penetration shall have a pre-fabricated flange at entry and exit points and shall receive fire-caulk at same.
12. Range hood vents shall be enclosed with either wood or drywall. Finish shall match existing.
13. Contractor shall field verify finished dimensions for unit cabinets prior to ordering materials.
14. Underside of wall cabinet at refrigerator and sink shall be considered as exposed and shall be finished.
15. Plastic laminate finish flush with face at any window openings.
16. No horizontal seams shall be used to install plastic laminate.

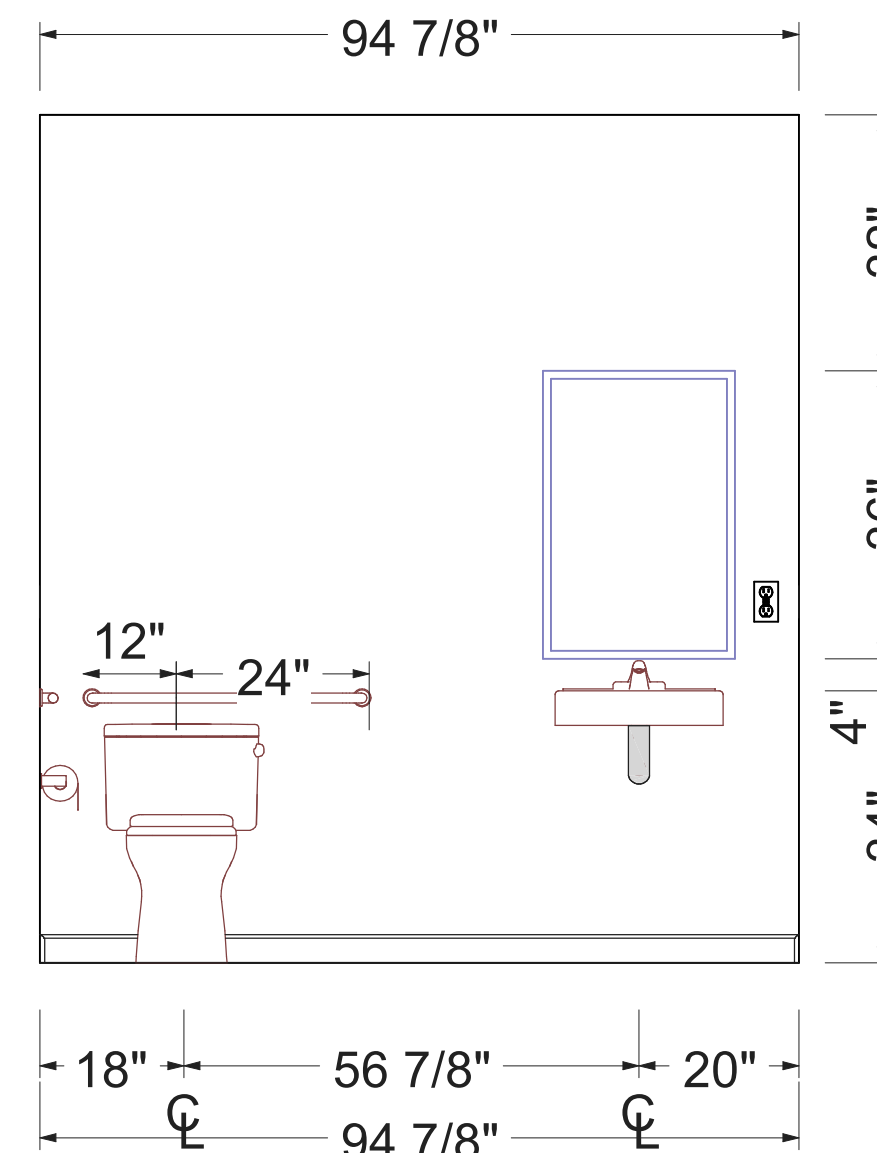
E1 Elevation 1
A3 1/2 in = 1 ft



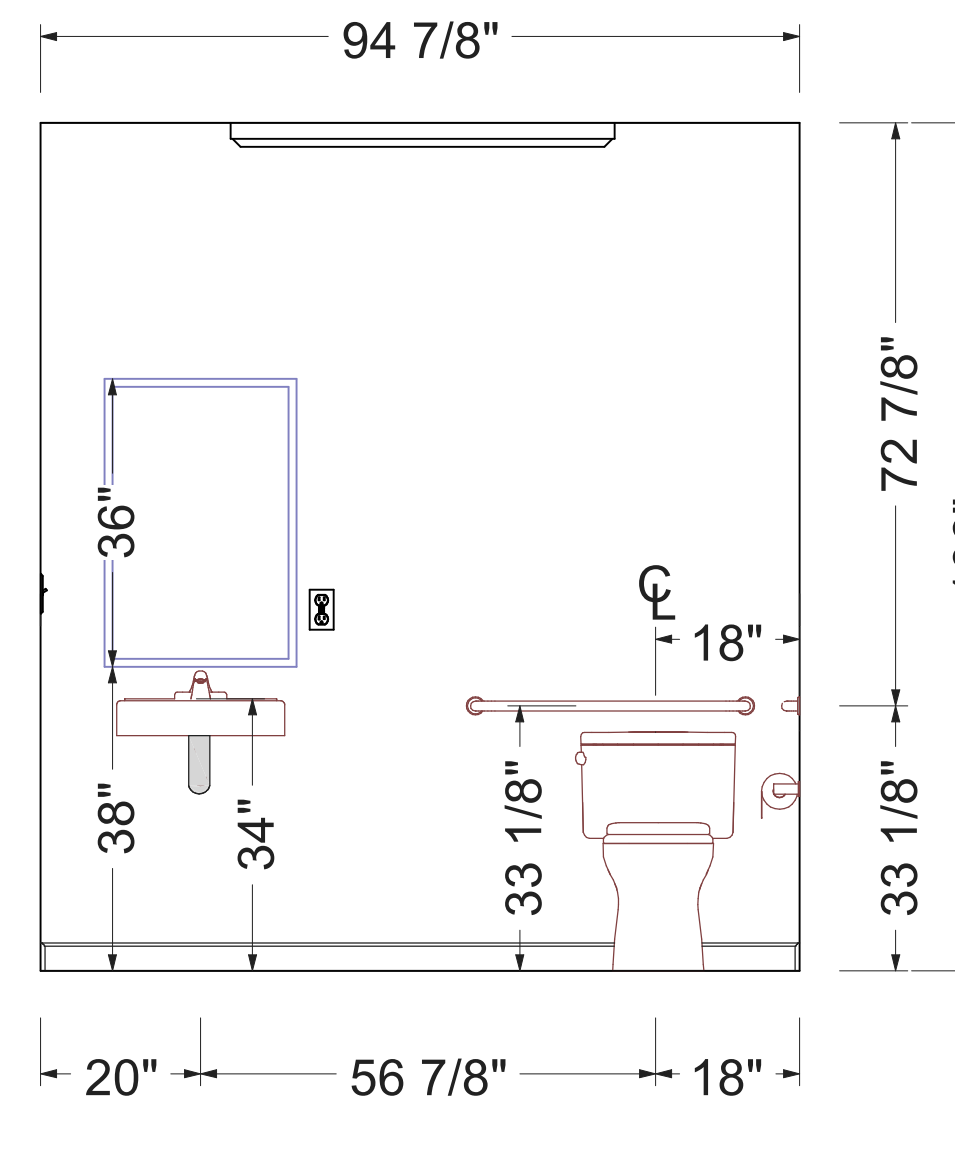
E2 Elevation 2
A3 1/2 in = 1 ft



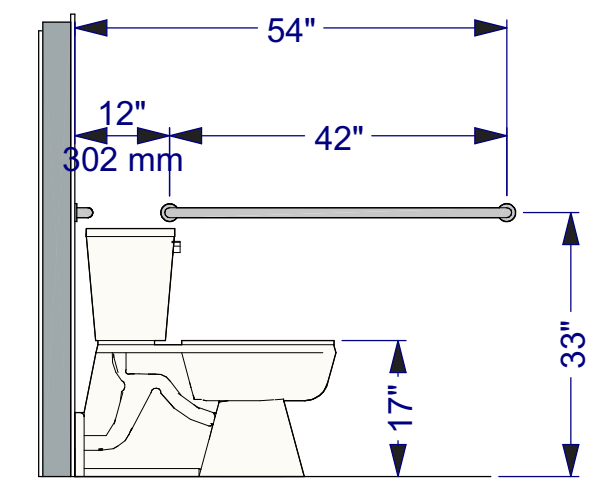
E3 Elevation 3
A3 1/2 in = 1 ft



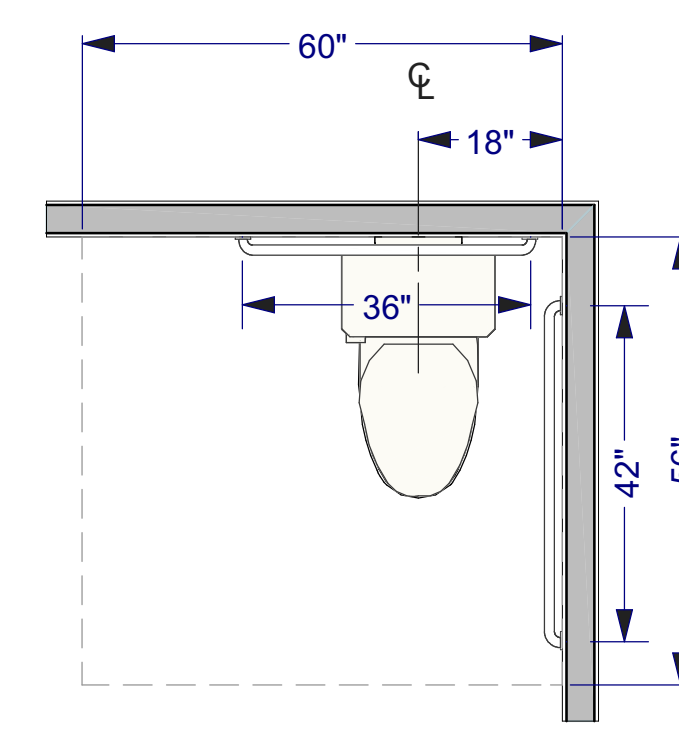
E5 Elevation 5
A3 1/2 in = 1 ft



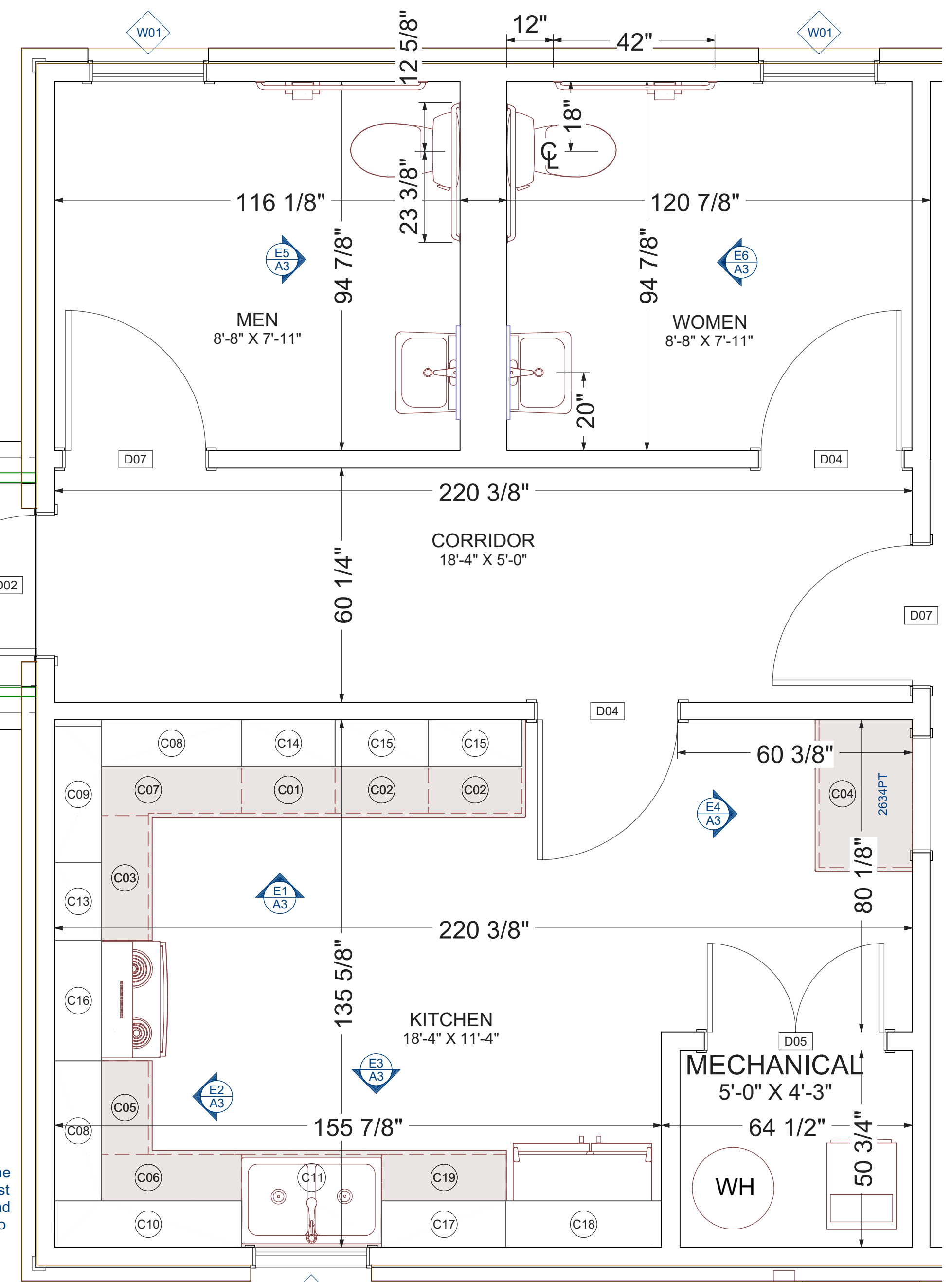
E6 Elevation 6
A3 1/2 in = 1 ft



TOILET GRAB BARS
Toilet: Grab bars should be provided on the rear wall and on the sidewall closest to the toilet. The sidewall grab bar should be at least 42" long and located between 12" and 54" from the rear wall. The rear grab bar should be at least 24" long, centered on the toilet. Where space permits, the bar should be at least 36" long, with the additional length provided on the transfer side of the toilet. (ANSI 604.5) (d1 and d2)

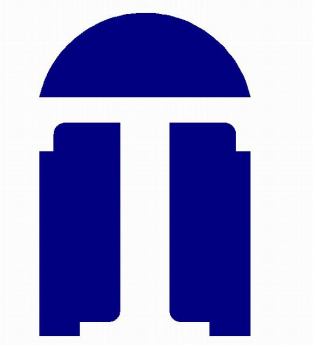


TOILET APPROACH
When both a parallel and a forward approach to the toilet are provided, the clearance should be at least 56" measured perpendicular from the rear wall, and 60" measured perpendicular from the sidewall. No other fixture or obstruction should be within the clearance area. (ANSI 604.3.1, 1002.11.5.2.3)



Large Scale Kitchen & Toilet Plan

Revision Table	Revised By	Description
Number	Date	

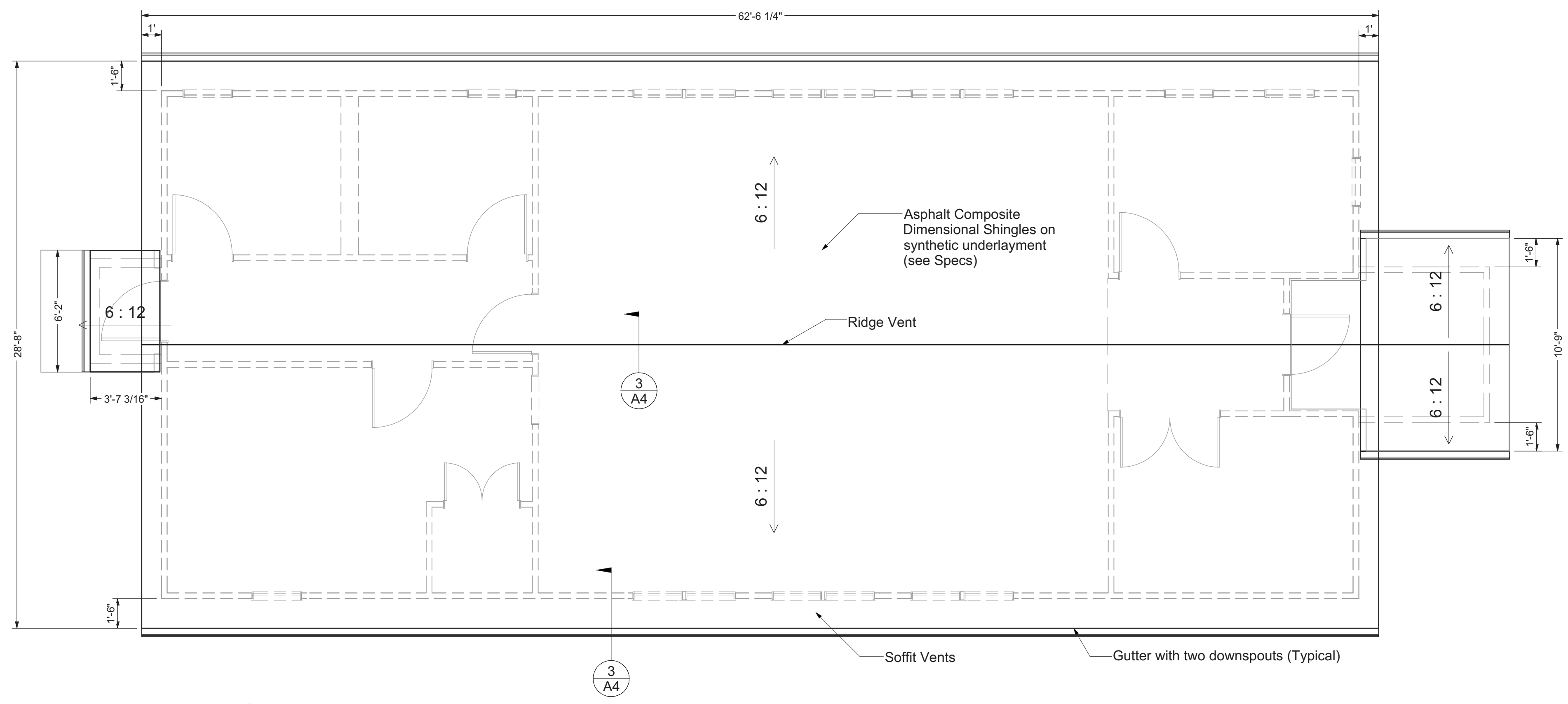


TDA architects LLC

125 West Columbus Street
Dadeville, Alabama 36853



Norwood Community Center
Anniston Housing Authority
Anniston, Alabama



Roof Plan 1/4" = 1' - 0" (when printed on 24x36)

Roofing Notes

Disposal of Materials: The contractor shall be responsible for disposal of all waste materials (shingles, felt, waste and/or trash) off of the property. Contractor shall sweep the ground area around the building several times a day and again at the conclusion of the work with a magnetic roller to remove any nails.

Coordination of On-Site Work: The contractor will coordinate the replacement of the shingles with the Housing Authority representative at least five days in advance of any work being accomplished on the buildings. The contractor shall provide to the Housing Authority representative a progress schedule for approval. Said progress schedule shall show the various work trades (demo, installation of felt, and installation of shingles) for each building and shall reflect the start and completion of each building in this project.

Clean-up: The contractor shall keep worksite clear of debris and/or material during the work and shall accomplish clean-up of the worksite at the end of each day. Materials removed or demolished shall not be allowed to accumulate on the job-site. During periods of high wind, the contractor shall keep a worker on the ground around the building to police up any paper debris and keep it from blowing to other areas of the grounds. Any items damaged (by the contractor) during performance of the work shall be restored to original condition by the contractor and at no cost to the Housing Authority.

Standard of Workmanship: The contractor shall perform all work in accordance with roofing industry standards and manufacturers recommendations. Workmanship shall be of the highest grade throughout this project. All wires, signs, lights, radio antenna and other such antennas attached to the roof at the time of reroofing shall be removed by the contractor. These items shall be re-attached by the contractor in a manner satisfactory to the Contracting Officer on completion of the re-roofing work. All underlayment shall be installed in accordance with Manufacturer's recommendation. Edges of shingles at vertical projections shall be set in plastic cement in addition to placing a heavy bead of plastic cement at the intersection after all shingles are in place. Shingles installed in valleys shall be installed utilizing the "weaving method" with no open valley cuts. A layer of Ice and Rain Shield shall be installed in valleys (centered in valley) and extending from the start to the end of the valley prior to installation of shingles. Fiberglass shingles shall be kept in closed and covered buildings until shortly before installation on roof. Space for storage of shingles will be provided by the contractor. Shingles exposed to rain during transportation will not be used. Only the quantity of shingles to be installed during the work day will be placed on roof decks at the beginning of the work day and any shingles not installed by the end of the day will be returned to storage. Shingles shall never be stacked in contact with ground. The contractor will exercise care in the placement of shingles on the roof and shall not overload any structural members of the buildings by stacking bundles on shingles excessively on a structural member. The contractor shall take precaution to protect the interior of the buildings being work on from damage during periods of inclement weather. Any buildings contents that is damaged from weather, due to the contractors operations and failure to adequate protect the building, shall be corrected to original condition by the contractor at no cost to the Housing Authority. All noted construction deficiencies shall be corrected within 1 day and before proceeding to the next building. --

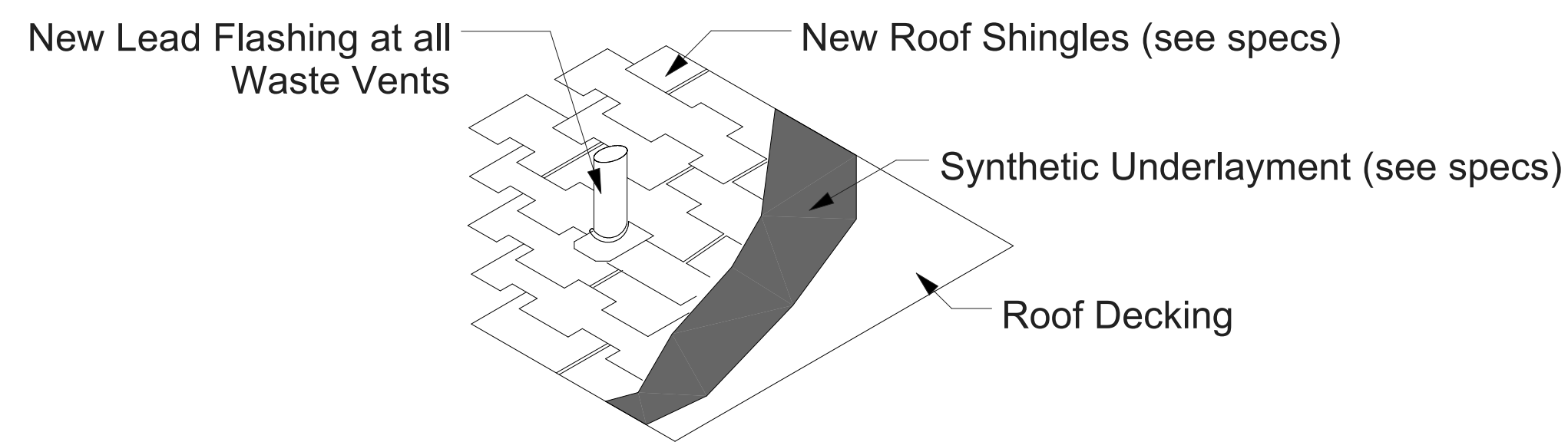
Safety: All work shall be accomplished in strict compliance with OSHA Safety Standards. The contractor shall incorporate the use of safety in the use of all ladders, scaffolds and lifts to include workers using lifts being tied-off with full body harnesses during work execution.

Work Hours: The contractor shall execute subject project between the hours of (hours will be determined at the Pre-Construction meeting) each weekly work day (Monday thru Friday) excluding state recognized holidays.

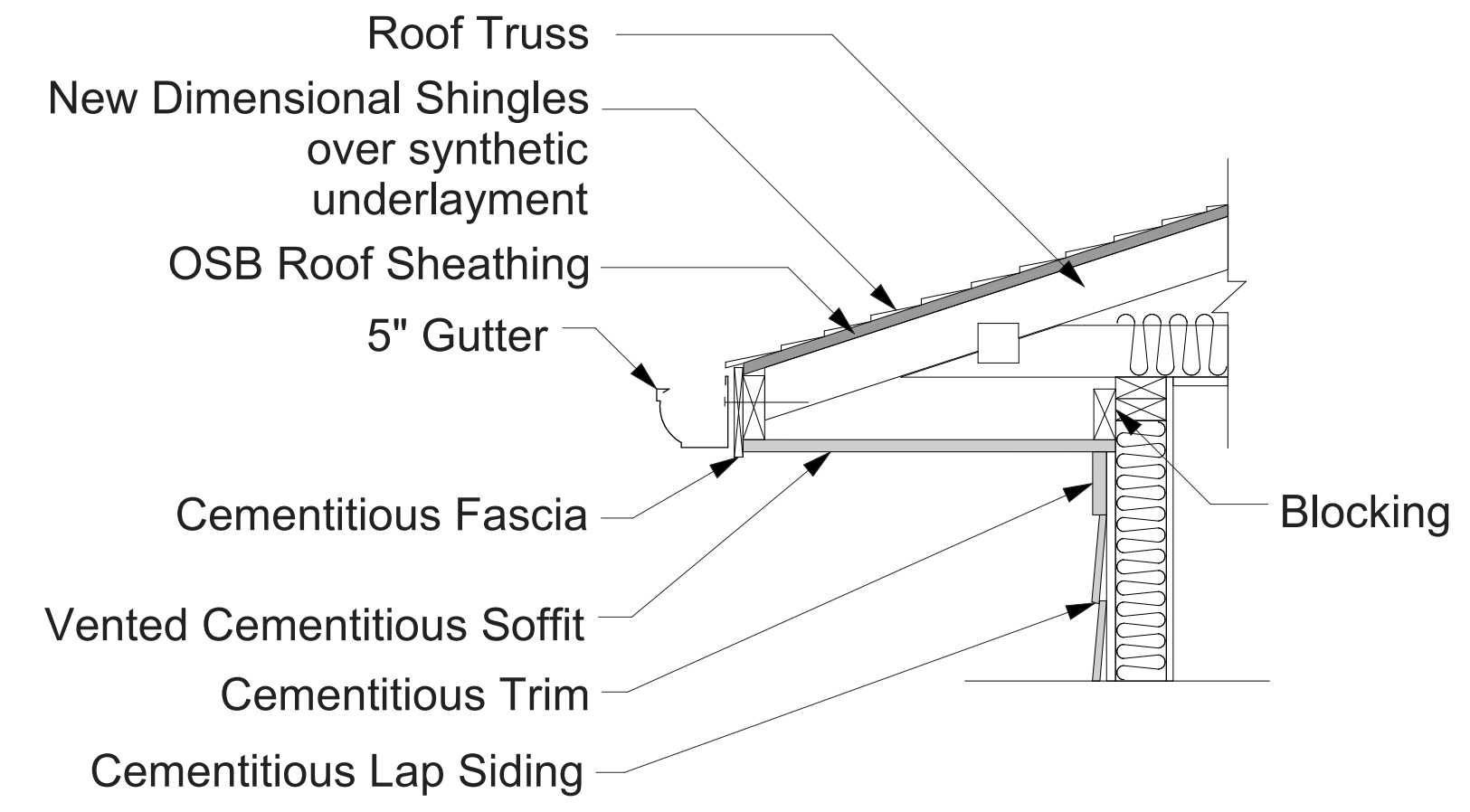
Warranty: The contractor shall provide to the customer a 30 year warranty from the shingle manufacturer on the shingles installed. The contractor shall also warrant all workmanship to be free from any defects within one year from the date of installation and acceptance.

Point of Contact:
Mr. Doug Brooks
Owner/Representative - Contract Manager
256-236-1575

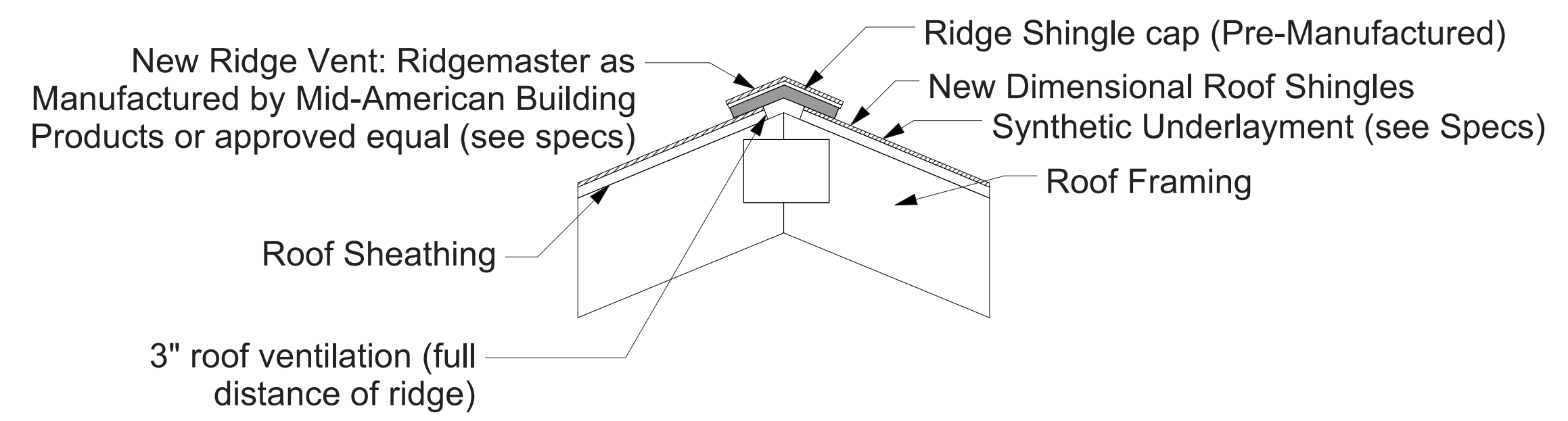
Measurements: It shall be the responsibility of the contractor to field-verify measurements prior to bid of this project.



2 Roof Detail 1
A4 1 in = 1 ft



3 Roof Eave Detail
A4 1 in = 1 ft



1 Roof Detail 2
A4 1 in = 1 ft

Roofing Details

Revision Table	
Number	Date

Roof Plan and Details

TDA 445

DATE:
5/1/2023

SHEET:

A4

Revision Table	
Number	Date

Framing
Plans and
Notes

TDA 445

DATE:
5/1/2023

SHEET:

A4

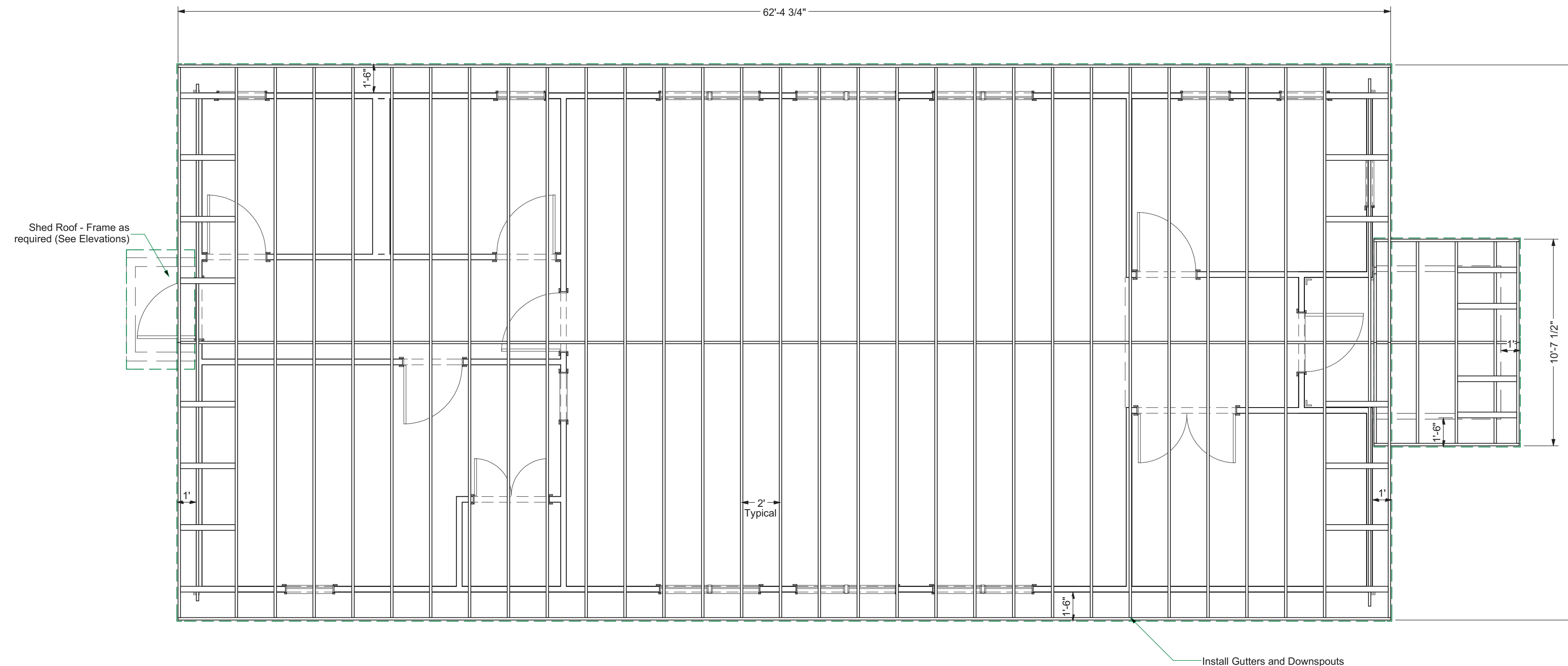
ROOF FRAMING NOTES:

COMBINATION HAND FRAME AND TRUSS FRAMING FOR ROOF

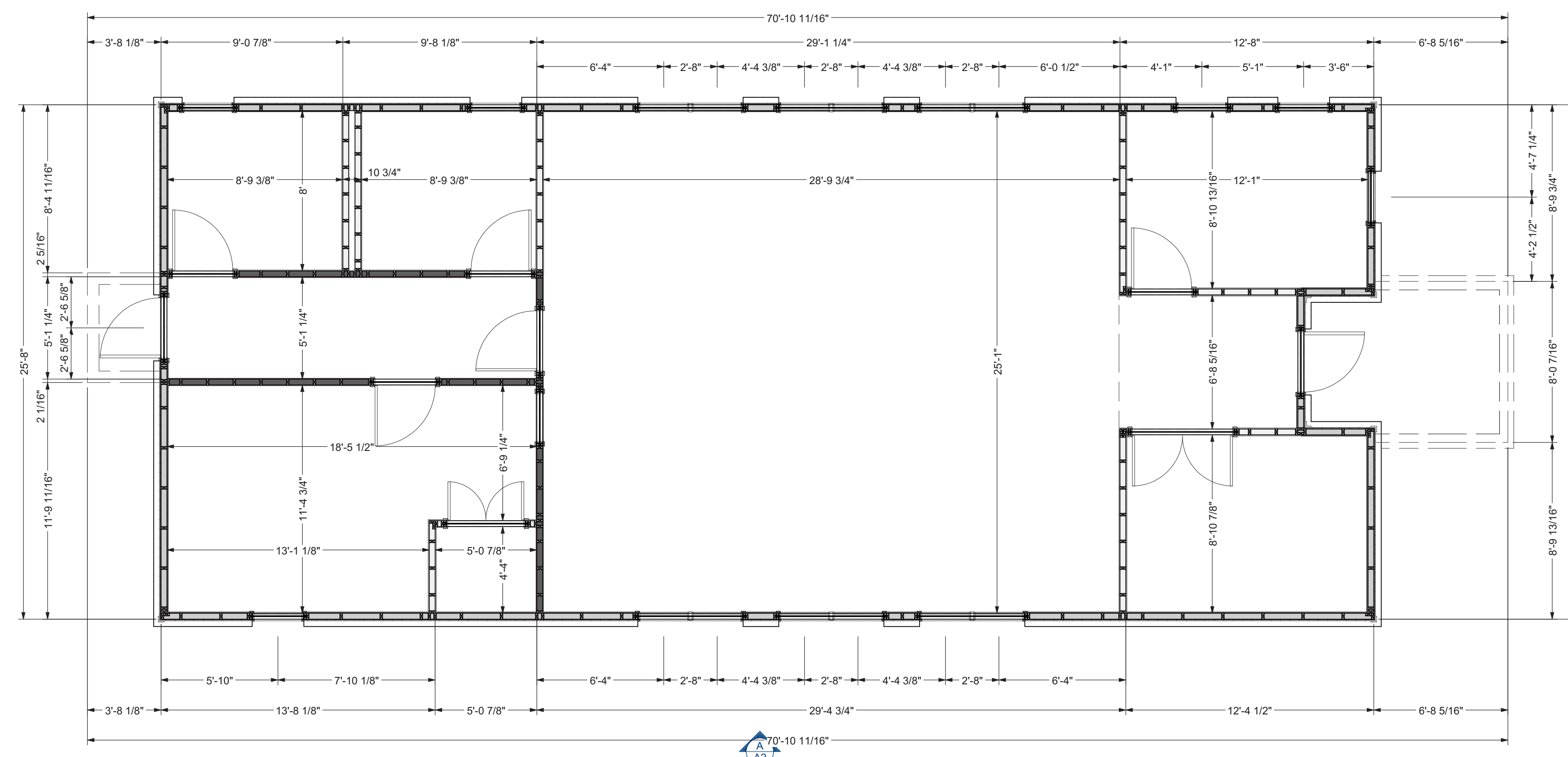
1. TRUSS DRAWING IS FOR ILLUSTRATION ONLY. ALL TRUSSES SHALL BE INSTALLED & BRACED TO MANUFACTURER'S DRAWINGS & SPECIFICATIONS
2. ALL TRUSSES SHALL CARRY MANUFACTURER'S STAMP
3. TRUSSES SHALL NOT BE FIELD ALTERED WITHOUT PRIOR ENGINEERING APPROVAL
4. ALL TRUSSES SHALL HAVE DESIGN DETAILS & DRAWINGS ON SITE FOR FRAMING INSPECTION.
5. ALL CONNECTIONS OF RAFTERS, JACK OR HIP TRUSSES TO MAIN GIRDER TO BE PROVIDED BY TRUSS MANUFACTURER
6. ALL ROOF FRAMING 24" O.C. UNO
7. ALL ROOF OVERHANGS 16"; DORMER OVERHANGS 10", UNO
8. INSTALL ICE SHIELD AS REQUIRED
9. INSTALL POLYISOCYANURATE FOAM TYPE INSULATION AT FLOOR AND PLATE LINES. OPENINGS IN PLATES, CORNER STUD CAVITIES AND AROUND DOOR AND WINDOW ROUGH OPENING CAVITIES.
10. ATTIC VENTILATION: REQUIRED ABOVE HOUSE
11. ROOF VENTING HIGH/LOW
12. ZONE 'B'. MIN. LOAD SHALL BE 50 LBS PER SQUARE FOOT
13. WALL HEADERS: (2) 2 X 10 DF 2 TYP. UNO
14. ROOF SHEATHING 15/32" OSB OR 1/2" PLYWOOD 32/16 APA RATED W/ 8d @ 6" O/C ALL SUPPORTED PANEL EDGES, 12" O/C FIELD

FRAMING NOTES:

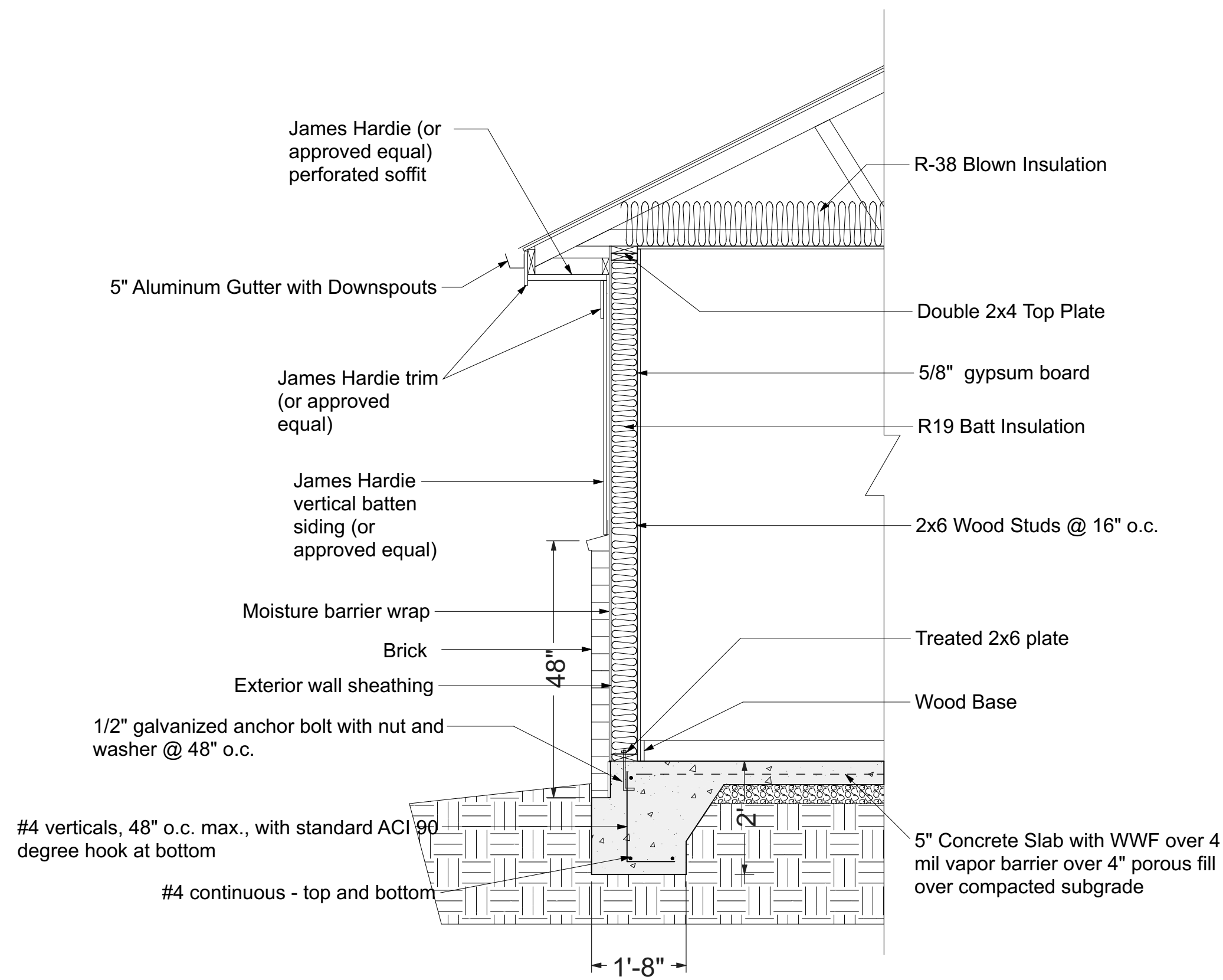
1. ALL DIMENSIONAL LUMBER SHALL BE SOUTHERN PINE NO. 2, UNO.
2. ALL TRUSSES SHALL BE ENGINEERED AND STAMPED WITH A SEPARATE ENGINEERED DOCUMENT.
3. PRE-MANUFACTURED WOOD JOISTS & TRUSSES SHALL BE OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS. MANUFACTURED BY THE TRUSS OR JOIST COMPANY. NO MEMBERS SHALL BE MODIFIED AND MUST BE INSTALLED IN COMPLIANCE WITH THEIR LISTINGS. PROVIDE BRIDGING IN CONFORMANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MEMBERS AND BRIDGING SHALL BE CAPABLE OF RESISTING THE WIND UPLIFT NOTED ON THE DRAWINGS. THE MANUFACTURER SHALL VISIT JOB SITE AS REQUIRED AND VERIFY THE PROPER INSTALLATION OF THE JOISTS & TRUSSES IN WRITING TO THE CONTRACTOR/ENGINEER. PRE-MANUFACTURED WOOD JOIST ALTERNATES WILL BE CONSIDERED, PROVIDED THE ALTERNATE IS COMPATIBLE WITH THE LOAD CAPACITY, STIFFNESS, DIMENSIONAL, AND FIRE RATING REQUIREMENTS OF THE PROJECT, AND IS ENGINEER OR ICBO APPROVED.
4. ALL JOISTS AND RAFTERS SHALL HAVE SOLID BLOCKING AT THEIR BEARING POINTS. CONNECT BLOCKING TO TOP OF WALL W/ SIMPSON FRAMING ANCHORS. ROOF JOIST TO HAVE HURRICANE CLIPS @ EACH OCCURRENCE OR SIMPSON H-1 HURRICANE CLIPS @ EACH TRUSS. INSTALL PRIOR TO ROOF SHEETING.
5. ALL WOOD & IRON CONNECTIONS MUST CARRY THE CAPACITY OF THE MEMBER. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONNECTIONS. IF OTHER THAN STANDARD CONNECTIONS ARE REQUIRED, CONTACT PROJECT ENGINEER FOR ASSISTANCE. USE SIMPSON OR OTHER ICC LISTED CONNECTIONS.
6. ALL HANGERS AND NAILS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE SIMPSON Z-MAX HANGERS OR STAINLESS STEEL.
7. NAILS: ALL SHEAR WALL SHEATHING NAILS SHALL BE COMMON NAILS ALL FRAMING NAILS SHALL BE COMMON NAILS. OR HOT DIPPED GALVANIZED BOX NAILS. FRAMING NAILS SHALL BE PER IRC TABLE R602.3(1).
8. THRUST SHALL BE ELIMINATED BY THE USE OF COLLAR TIES OR CEILING JOISTS, WHERE REQUIRED.
9. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH 1/2" THICK 2-M-W SHEATHING OR EQUAL W/ 8D COMMON NAILS @ 6" O.C. @ EDGES @ 12" O.C. IN FIELD. UNO. SHEATHING SHALL BE CONTINUOUS ACROSS ALL HORIZONTAL FRAMING JOINTS.
10. ALL ROOF SHEATHING AND SUB-FLOORING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO SUPPORTS, EXCEPT AS INDICATED ON THE DRAWINGS. ROOF SHEATHING SHALL EITHER BE BLOCKED, TONGUE-AND-GROOVE, OR HAVE EDGES SUPPORTED BY PLYCLIPS. SHEAR WALL SHEATHING SHALL BE BLOCKED WITH 2X FRAMING AT ALL PANEL EDGES. SHEATH ROOF PRIOR TO ANY OVER FRAMING.
11. PLYWOOD PANELS SHALL CONFORM TO THE REQUIREMENTS OF "U.S. PRODUCT STANDARD PS 1 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD" OR APA PRP-108 PERFORMANCE STANDARDS. UNO. PANELS SHALL BE APA RATED SHEATHING, EXPOSURE 1, OF THE THICKNESS AND SPAN RATING SHOWN ON THE DRAWINGS. PLYWOOD INSTALLATION SHALL BE IN CONFORMANCE WITH APA RECOMMENDATIONS. ALLOW 1/8" SPACING AT PANELS ENDS AND EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER.
12. ANY WOOD IN CONTACT W/ CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
13. ALL WOOD & IRON CONNECTORS SHALL BE INSTALLED W/ ALL REQUIRED FASTENERS IN COMPLIANCE W/ THEIR WRITTEN APPROVAL.
14. ALL HANGERS TO BE "SIMPSON" OR EQUAL WITH FASTENERS AS SPECIFIED BY MANUFACTURER.



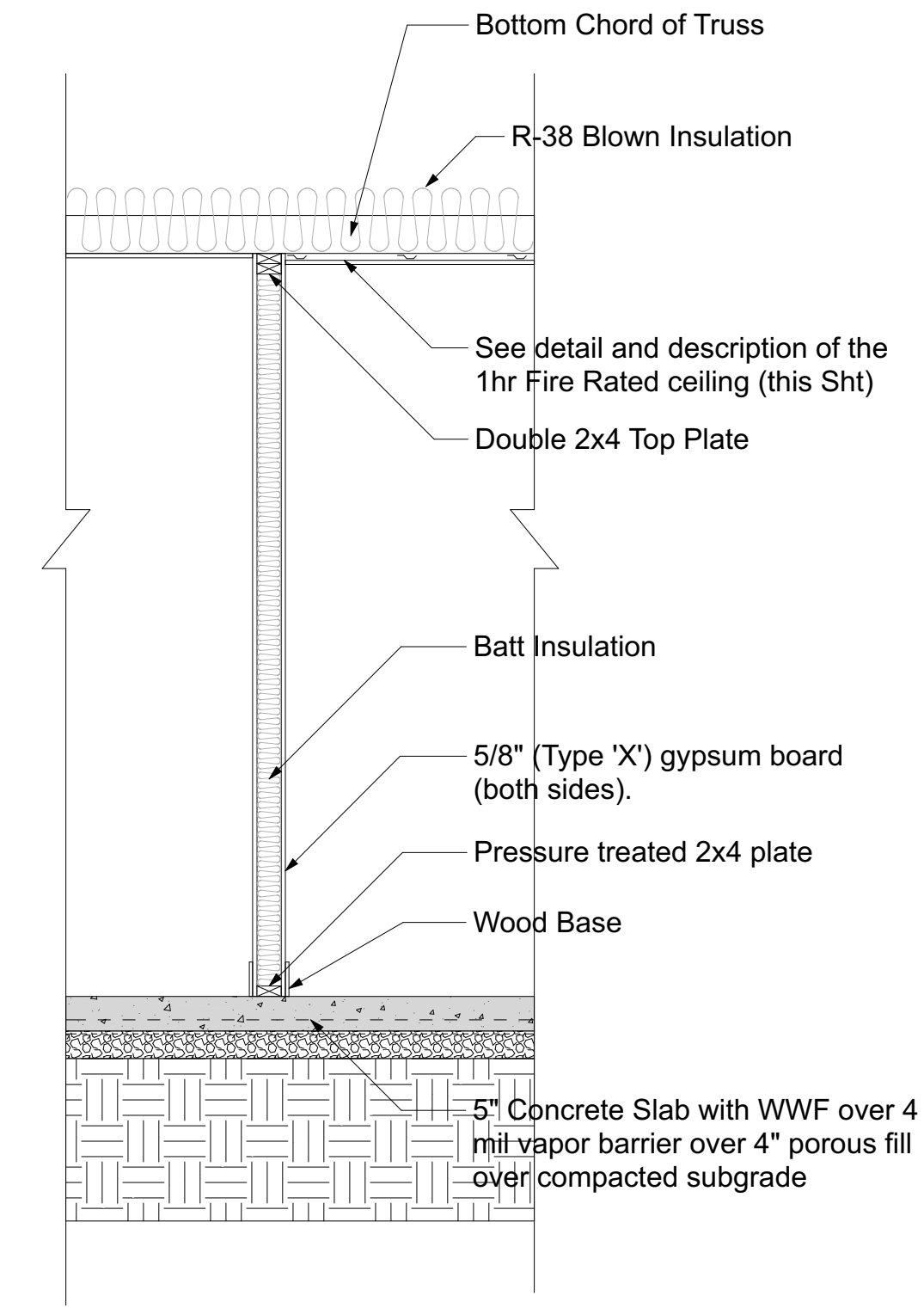
Roof Framing Plan 1/4" = 1' - 0" (when printed on 24x36)



Wall Framing Plan 1/4" = 1' - 0" (when printed on 24x36)



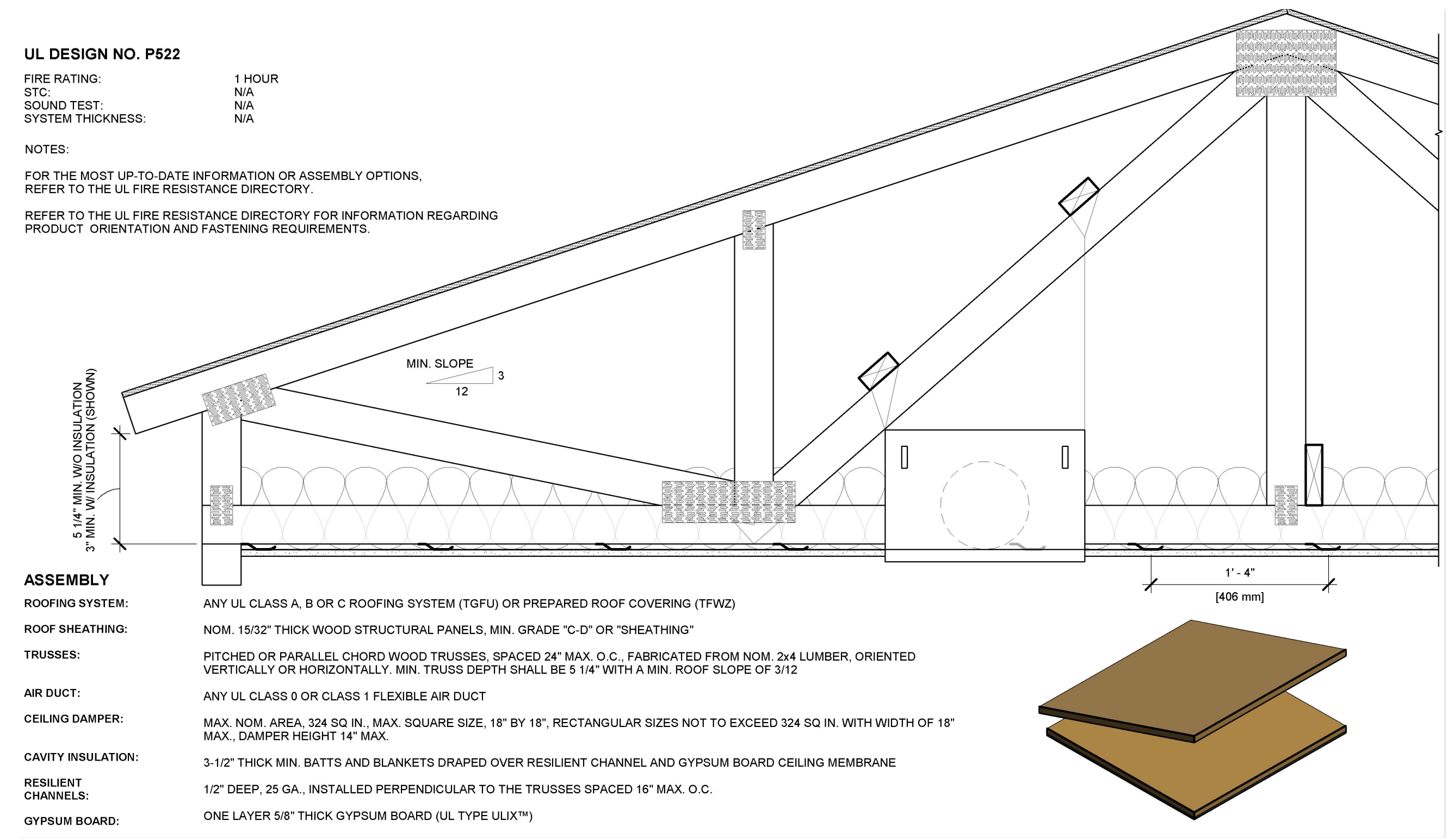
Section 1 Typical Exterior Pony Wall
A5



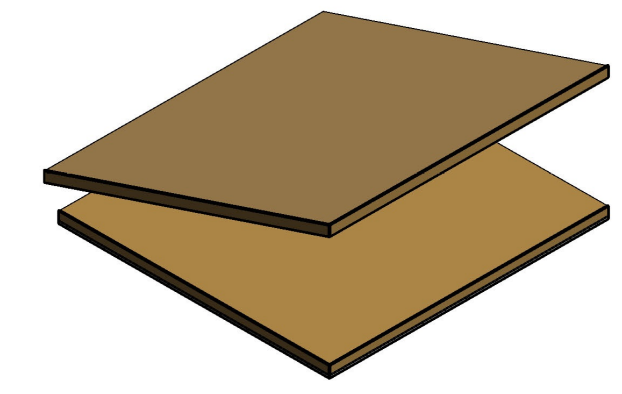
Section 2 Typical Interior Fire Rated Partition
A5
UL Design U305 (See below)

UL DESIGN NO. P522
FIRE RATING: 1 HOUR
STC: N/A
SOUND TEST: N/A
SYSTEM THICKNESS: N/A

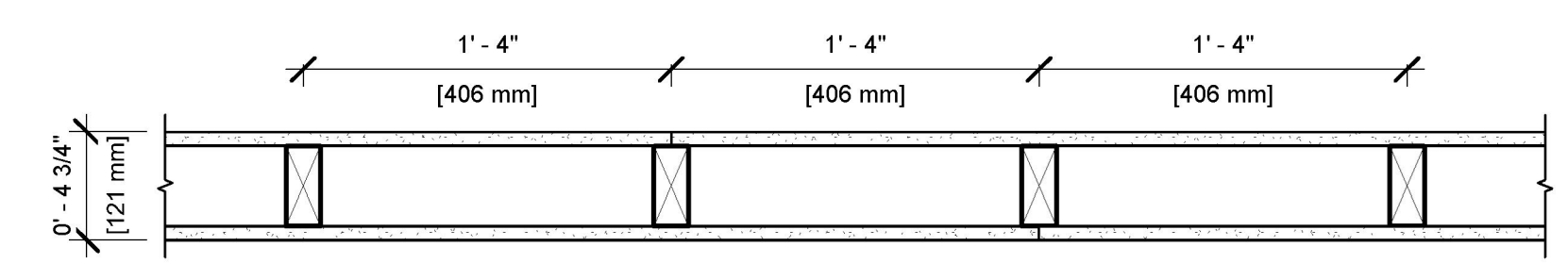
NOTES:
FOR THE MOST UP-TO-DATE INFORMATION OR ASSEMBLY OPTIONS, REFER TO THE UL FIRE RESISTANCE DIRECTORY.
REFER TO THE UL FIRE RESISTANCE DIRECTORY FOR INFORMATION REGARDING PRODUCT ORIENTATION AND FASTENING REQUIREMENTS.



- ASSEMBLY**
- ROOFING SYSTEM:** ANY UL CLASS A, B OR C ROOFING SYSTEM (TGFU) OR PREPARED ROOF COVERING (TFWZ)
 - ROOF SHEATHING:** NOM. 15/32" THICK WOOD STRUCTURAL PANELS, MIN. GRADE "C-D" OR "SHEATHING"
 - TRUSSES:** PITCHED OR PARALLEL CHORD WOOD TRUSSES, SPACED 24" MAX. O.C., FABRICATED FROM NOM. 2x4 LUMBER, ORIENTED VERTICALLY OR HORIZONTALLY. MIN. TRUSS DEPTH SHALL BE 5 1/4" WITH A MIN. ROOF SLOPE OF 3/12
 - AIR DUCT:** ANY UL CLASS 0 OR CLASS 1 FLEXIBLE AIR DUCT
 - CEILING DAMPER:** MAX. NOM. AREA, 324 SQ. IN., MAX. SQUARE SIZE, 18" BY 18", RECTANGULAR SIZES NOT TO EXCEED 324 SQ. IN. WITH WIDTH OF 18" MAX., DAMPER HEIGHT 14" MAX.
 - CAVITY INSULATION:** 3-1/2" THICK MIN. BATTS AND BLANKETS DRAPED OVER RESILIENT CHANNEL AND GYPSUM BOARD CEILING MEMBRANE
 - RESILIENT CHANNELS:** 1/2" DEEP, 25 GA., INSTALLED PERPENDICULAR TO THE TRUSSES SPACED 16" MAX. O.C.
 - GYPSUM BOARD:** ONE LAYER 5/8" THICK GYPSUM BOARD (UL TYPE ULIX™)



UL DESIGN NO. U305
FIRE RATING: 1 HOUR
STC: 33
SOUND TEST: USG-151234
SYSTEM THICKNESS: 4 3/4"



- ASSEMBLY OPTIONS:**
- GYPSUM BOARD:** ONE LAYER 5/8" THICK GYPSUM BOARD (UL TYPE ULIX™)
 - WOOD STUDS:** 2X4 WOOD STUDS, 16" O.C.
 - GYPSUM BOARD:** ONE LAYER 5/8" THICK GYPSUM BOARD (UL TYPE ULIX™)

NOTES:
STUD AND INSULATION SIZES ARE MINIMUM UNLESS OTHERWISE STATED IN DESIGN.
FOR THE MOST UP-TO-DATE INFORMATION OR ASSEMBLY OPTIONS, REFER TO THE UL FIRE RESISTANCE DIRECTORY.
UL TYPE ULIX™ REQUIRES THE USE OF INSULATION FOR SINGLE-LAYER, STEEL-FRAMED UL FIRE-RATED ASSEMBLIES.
REFER TO THE UL FIRE RESISTANCE DIRECTORY FOR INFORMATION REGARDING PRODUCT ORIENTATION AND FASTENING REQUIREMENTS.



Revision Number	Date	Revised By	Description

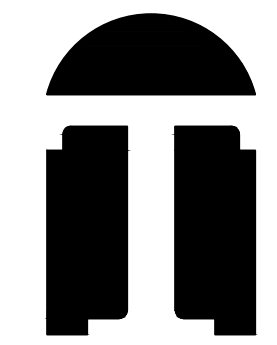
Sections and Details

TDA 445

DATE:
5/1/2023

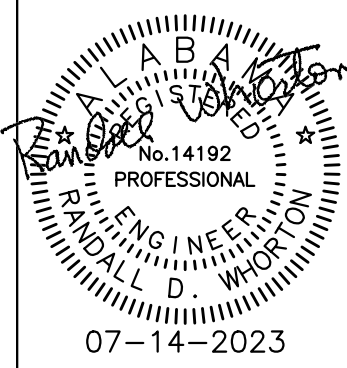
SHEET:

A5



TDA architects LLC

125 West Columbus Street
Dadeville, Alabama 36853



Norwood Community Center
Anniston Housing Authority
Anniston, Alabama

Revision Number	Date	Revised By	Description

HVAC LEGEND, NOTES, AND SCHEDULES

TDA 445

DATE:
07/14/2023

SHEET:

M1

HVAC LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CEILING DIFFUSER - SUPPLY RECTANGULAR WITH ROUND NECK 4-WAY THROW UNLESS OTHERWISE INDICATED		LOW LEAKAGE MOTORIZED VOLUME DAMPER		STANDARD 90° RADIUS ELBOW
	CEILING DIFFUSER - RETURN RECTANGULAR WITH SQUARE NECK		SMOKE DETECTOR FOR FAN SHUT-DOWN		STANDARD 45° RADIUS ELBOW
	SIDEWALL DIFFUSER - SUPPLY WITH MULTI-VANE DEFLECTOR		HORIZONTAL MOUNTED FIRE DAMPER		90° VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
	SIDEWALL DIFFUSER - RETURN WITH 30° FIXED DEFLECTION		VERTICAL MOUNTED FIRE DAMPER		45° VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
XX-X XXX CFM	DIFFUSER TAG REFERENCE SCHEDULE FOR SIZING	T	THERMOSTAT LOCATION		VANED TEE (PROVIDE ALL SQUARE OR RECTANGULAR TEE'S WITH VANES EVEN IF SYMBOL IS MISSING)
	CEILING EXHAUST FAN	H	HUMIDISTAT LOCATION		STANDARD DUCT SIZE TRANSITION
	NEW RECTANGULAR DUCT WIDTH X DEPTH	C	CARBON DIOXIDE SENSOR LOCATION		STANDARD SQUARE TO ROUND TRANSITION
	NEW ROUND DUCT DIAMETER	CD	HVAC CONDENSATE DRAIN PIPING		ELECTRIC UNIT HEATER WALL MOUNTED (RECESSED)
	MANUAL VOLUME DAMPER OPPOSED BLADE	R	HVAC REFRIGERANT LINE		

HVAC NOTES

- ALL DUCT DIMENSIONS SHOWN ARE NET INTERNAL.
- INSTALL OPPOSED BLADE BALANCING DAMPERS IN ALL NEW DIFFUSERS AND GRILLES.
- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE HVAC SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND CONTROLS, COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL REQUIREMENTS OF THESE DOCUMENTS SHALL BE STRICTLY CONFORMED WITH. ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE HVAC SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE CONTRACT. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
- COORDINATE DUCTWORK AND PIPING WITH STRUCTURAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL. MAKE OFFSETS AND TRANSITIONS AS REQUIRED TO CLEAR STRUCTURAL MEMBERS, ETC. COORDINATE WITH OTHER TRADES WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
- REFER TO ARCHITECTURAL CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES; COORDINATE EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS WITH ARCHITECTURAL AND INTERIOR REFLECTED CEILING PLANS AND LIGHTING FIXTURES. FOR PARTICULAR ITEMS NOT SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN, PREPARE A DRAWING AND PRESENT IT TO THE ARCHITECT FOR REVIEW AND/OR APPROVAL.
- COORDINATE ALL ROOF AND SLAB PENETRATIONS WITH THE STRUCTURAL ENGINEER. TRANSITIONS RECTANGULAR DUCTWORK ON THE BOTTOM AND THE SIDES. MAINTAIN DUCTWORK LEVEL AS HIGH AS POSSIBLE UNLESS NOTED OTHERWISE.
- THE HVAC CONTRACTOR IS TO REVIEW THE ENTIRE SET OF PLANS FOR COORDINATION WITH OTHER TRADES. SHOP DRAWINGS WITH ALL TRADES COORDINATED WILL BE REQUIRED.
- THE HVAC CONTRACTOR SHALL REVIEW THE ARCHITECTURAL PLANS FOR FINAL LOCATIONS OF ALL RATED WALLS, CEILINGS, FLOORS, ETC. THE HVAC CONTRACTOR SHALL FURNISH AND INSTALL FIRE OR FIRE/SMOKE DAMPERS IN ALL RATED LOCATIONS WHETHER SHOWN ON THE MECHANICAL PLANS OR NOT.
- CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
- ALL MOTOR STARTERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR.
- CONTRACTOR TO COORDINATE ALL CEILING TYPES WITH DIFFUSERS. ALL DIFFUSERS IN GYPSUM CEILING SHALL INCLUDE PLASTER FRAME.
- ALL DISTRIBUTION DEVICES SHALL HAVE FACE OPERABLE DAMPERS. ALL DIFFUSER RUNOUTS SHALL INCLUDE SPIN-IN WITH DAMPER IN ROUND DUCTS.
- INSULATE TOP SIDE/BACK OF ALL DIFFUSERS/GRILLES, ETC.
- CONDENSATE DRAIN PIPING SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT AND SHALL BE SIZED PER TABLE 307.2.2 IN THE 2021 INTERNATIONAL MECHANICAL CODE UNLESS SHOWN LARGER ON PLANS.
- ALL 3/4" AND 1" CONDENSATE DRAIN TRAPS SHALL BE EZ-TRAP OR APPROVED EQUAL WITH FLOAT SWITCH.
- INSTALL AUXILIARY DRAIN PAN UNDER ALL UNITS MOUNTED IN ATTIC, ABOVE CEILINGS, ETC. INSTALL FLOAT SWITCH FOR UNIT SHUT DOWN IN AUXILIARY DRAIN PAN.
- REFERENCE PLUMBING PLANS FOR CONDENSATE PIPING. IF CONDENSATE DRAINS ARE NOT SHOWN ON THE PLUMBING PLANS, ALL CONDENSATE DRAINS SHALL BE FURNISHED AND INSTALLED BY THE HVAC CONTRACTOR.
- VERIFY WITH THE ARCHITECTURAL DRAWINGS, SIZE, LOCATION, AND MOUNTING HEIGHT OF ALL LOUVERS. VERIFY COLOR AND FINISH WITH ARCHITECT.
- ALL UNUSED PORTION OF LOUVERS SHALL BE CAPPED OFF WITH 1" INSULATED ALUMINUM AND SEALED AIR/WATER TIGHT.
- ALL THERMOSTATS TO BE AUTOMATIC CHANGE OVER TYPE AND SHALL INCLUDE LOCKING THERMOSTAT COVERS.
- ALL THERMOSTATS TO BE MOUNTED 4'-0" A.F.F. TO HIGHEST OPERABLE CONTROL UNLESS OTHERWISE INDICATED.
- ALL REFRIGERANT LINES SHALL BE SIZED/APPROVED BY THE EQUIPMENT VENDOR/COMPRESSOR MANUFACTURER.
- PAINT ALL EXTERIOR EXPOSED ARMAFLEX INSULATION FOR UV PROTECTION.
- PORTIONS OF DUCTWORK VISIBLE THROUGH GRILLES, REGISTERS, AND DIFFUSERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
- FLEXIBLE DUCT (SUPPLY RUNOUTS ONLY) SHALL NOT EXCEED 6'-0" IN LENGTH.
- DUCTWORK SHALL BE INSULATED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:
RECTANGULAR SUPPLY: 1" INTERNAL
ROUND SUPPLY: 1-1/2" EXTERNAL
FLEXIBLE SUPPLY: PRE INSULATED
RECTANGULAR RETURN: 1" INTERNAL
OSA/EXHAUST: 1-1/2" EXTERNAL
- DUCTWORK SHALL BE GALVANIZED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS.
- LABEL ALL DUCTS WITH TYPE (SUPPLY, RETURN, ETC.) AND ARROWS INDICATING DIRECTION OF AIR FLOW. LABELS SHALL BE EVERY SIX FEET AND AT EACH CHANGE OF DIRECTION (T'S, ELBOWS, ETC.)
- ROUND DUCT SHALL BE INSULATED WITH DUCT WRAP EQUAL TO CERTAINTeed SOFT TOUCH DUCT WRAP WITH FSK VAPOR RETARDER FACING TYPE 75 WITH MINIMUM INSTALLED R-VALUE 4.2. ROUND DUCTS LOCATED WITHIN THE ATTIC SHALL BE INSULATED WITH DUCT WRAP EQUAL TO CERTAINTeed SOFT TOUCH DUCT WRAP WITH FSK VAPOR RETARDER FACING TYPE 100 WITH MINIMUM INSTALLED R-VALUE 6.0
- DUCT LINER FOR RECTANGULAR DUCTS SHALL BE EQUAL TO CERTAINTeed T62 DUCT LINER WITH A MINIMUM R-VALUE OF 4.0. RECTANGULAR DUCTS LOCATED WITHIN THE ATTIC SHALL BE LINED WITH DUCT LINER EQUAL TO CERTAINTeed T62 DUCT LINER WITH A MINIMUM R-VALUE OF 4.0 AND WRAPPED EXTERNALLY WITH DUCT WRAP EQUAL TO CERTAINTeed SOFT TOUCH DUCT WRAP WITH FSK VAPOR RETARDER FACING TYPE 75 WITH A MINIMUM INSTALLED R-VALUE OF 4.2.
- SLOPE HORIZONTAL SECTIONS OF KITCHEN HOOD EXHAUST DUCT A MINIMUM OF 1/4 INCH PER FOOT AS REQUIRED BY 2015 IMC. INSTALL CLEANOUTS IN GREASE DUCT TO ALLOW FOR SERVICING/CLEANING.
- THE HVAC CONTRACTOR SHALL FURNISH AND INSTALL A SMOKE DETECTOR FOR FIRE SHUT DOWN IN ALL UNITS 2000 CFM AND ABOVE AND IN ALL UNITS SERVING EXIT ACCESS CORRIDORS REGARDLESS OF SIZE.
- WARRANTIES SHALL BEGIN AT DATE OF SUBSTANTIAL COMPLETION. ALL COMPRESSORS SHALL INCLUDE MIN. OF FIVE YEAR WARRANTY. ONE YEAR WARRANTY FOR LABOR, PARTS, UNITS, ETC. IS REQUIRED FOR ALL EQUIPMENT.
- CONTRACTOR SHALL ANCHOR OUTDOOR UNITS TO CONCRETE PAD IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, WIND LOAD REQUIREMENTS, AND AS PER PLANS/SPECIFICATIONS. COORDINATE CONCRETE PAD SIZE, UNIT CLEARANCES, ETC. WITH STRUCTURAL AND ARCHITECTURAL PLANS, FRAMING, ETC.
- ALL INDOOR AND OUTDOOR UNITS SHALL BE LOCATED SO THAT MAINTENANCE CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND AS PER PLANS/SPECIFICATIONS ARE MAINTAINED. COORDINATE MAINTENANCE CLEARANCES WITH STRUCTURAL AND ARCHITECTURAL PLANS, FRAMING, ETC.

LOUVER SCHEDULE

MARK NO.	MOUNTING	SIZE W X H	BLADE ANGLE	BLADE CENTERS	MIN. FREE AREA	MINIMUM FREE AREA SQ. FT.	MAXIMUM PRESSURE DROP IN W.G.	CFM	MODEL NO. DATA		NOTES
									MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	
L 1	SIDE WALL	16"x8"	45°	3"	23%	0.2	0.10	200	GREENHECK	ESD-202	SEE BELOW

① LOUVER TO INCLUDE FLANGE FRAME AND KYNAR FINISH. VERIFY FINAL COLOR AND FINISH WITH ARCHITECT. VERIFY QUANTITY WITH PLANS.

APPROVED EQUALS: RUSKIN AND UNITED ENERTECH.

WALL MOUNTED ELECTRIC HEATER SCHEDULE

MARK NO.	NOMINAL CFM	VOLTAGE	WATTS	BTU/HR	AMPS	MANUFACTURER (OR APPROVED EQUAL)	UNIT MODEL NO.	UNIT WEIGHT (LBS)	NOTES
WEH 1	100	240-1-60	1,500	5,120	6.3	BERKO	FRC4027F	25	SEE BELOW
WEH 2	100	240-1-60	1,500	5,120	6.3	BERKO	FRC4027F	25	SEE BELOW

① UNIT TO INCLUDE BUILT-IN TAMPER-PROOF THERMOSTAT.
② UNIT TO INCLUDE FACTORY DISCONNECT SWITCH - MOUNTED BEHIND FRONT GRID PANEL.
③ UNIT TO INCLUDE THERMAL CUTOFF.
④ UNIT TO INCLUDE SEMI-RECESSED MOUNTING FRAME.
⑤ UNIT TO BE MOUNTED AT 16" AFF.

APPROVED EQUALS: INDEECO, MARKEL, QMARK, AND RAYWALL

RANGE HOOD SCHEDULE

MARK NO.	HOOD DEPTH	HOOD LENGTH	EXHAUST CFM	VOLTAGE	AMPS	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	NOTES
RH 1	17.5"	30"	260	115-1-60	1.8	BROAN	433004	SEE BELOW

① 7" DIAMETER DUCT CONNECTION, U.L. LISTED, STAINLESS STEEL.
② HOOD SHALL BE CONNECTED TO FACTORY WALL CAP WITH BUILT-IN BACKDRAFT DAMPER AND BIRDSCREEN. WALL CAP TO BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
③ HOOD SHALL INCLUDE FIRE SUPPRESSION SYSTEM EQUAL TO GUARDIAN MODEL G300-A (U.L. LISTED). SYSTEM SHALL INCLUDE MANUAL PULL STATION, SHUT-OFF FOR ELECTRIC RANGE, AND AC/DC ADAPTER. SYSTEM REQUIRES PLUG-IN CONNECTION.

CODES AND STANDARDS

- 2021 INTERNATIONAL PLUMBING CODE
- 2021 INTERNATIONAL MECHANICAL CODE
- 2021 INTERNATIONAL FIRE CODE
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- ASHRAE 90.1-2013 ENERGY STANDARD

HVAC DRAWING INDEX

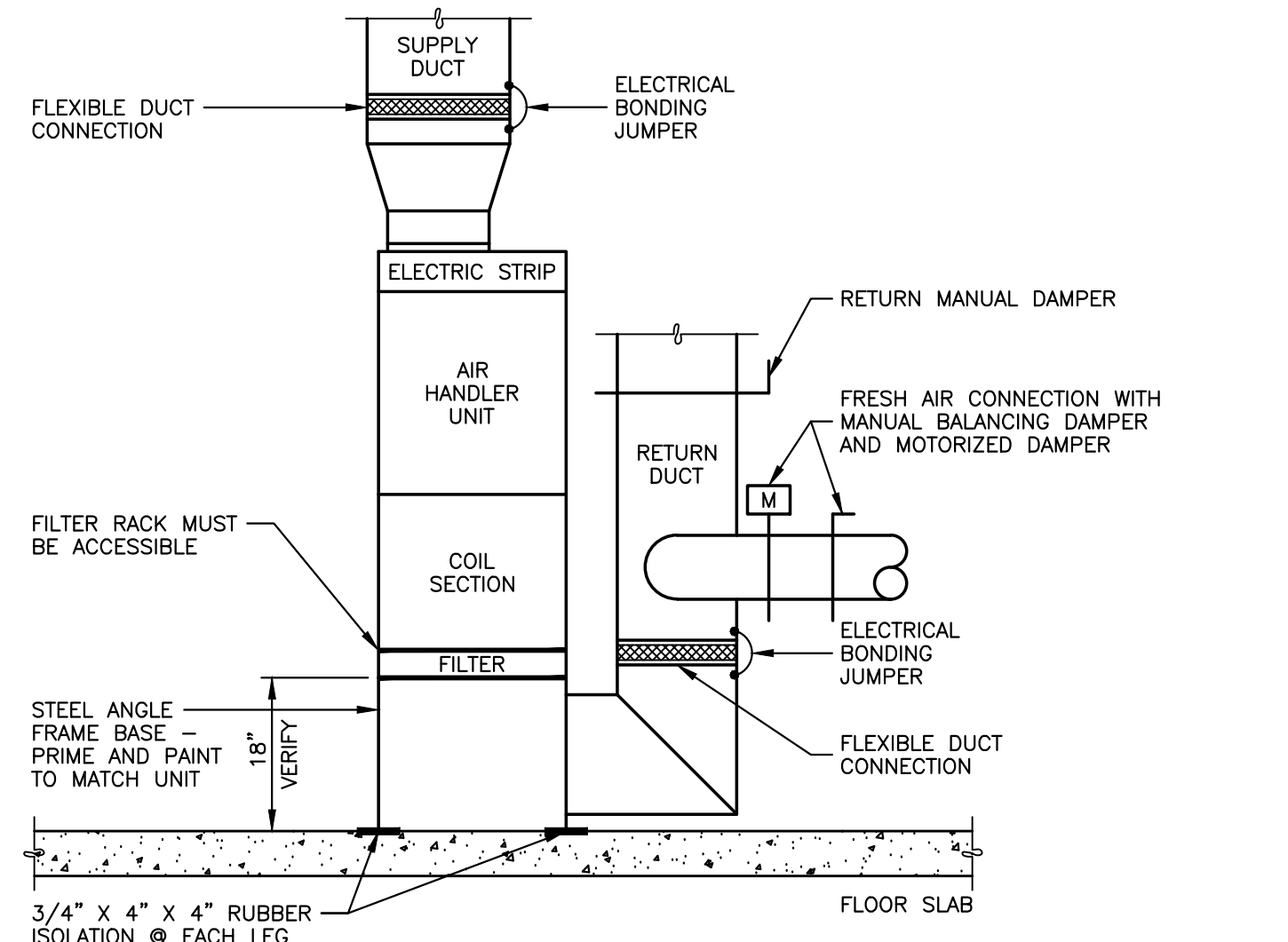
SHEET NO.	SHEET TITLE
M1	HVAC LEGEND, NOTES, AND SCHEDULES
M2	HVAC SCHEDULES AND DETAILS
M3	HVAC DETAILS AND COMPLIANCE CALCULATIONS
M4	HVAC PLAN

HVAC LEGEND, NOTES, AND SCHEDULES

WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL

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PHONE: (256) 820-9897 ANNISTON, ALABAMA 36205

WHORTON ENGINEERING PROJECT NO. 23136

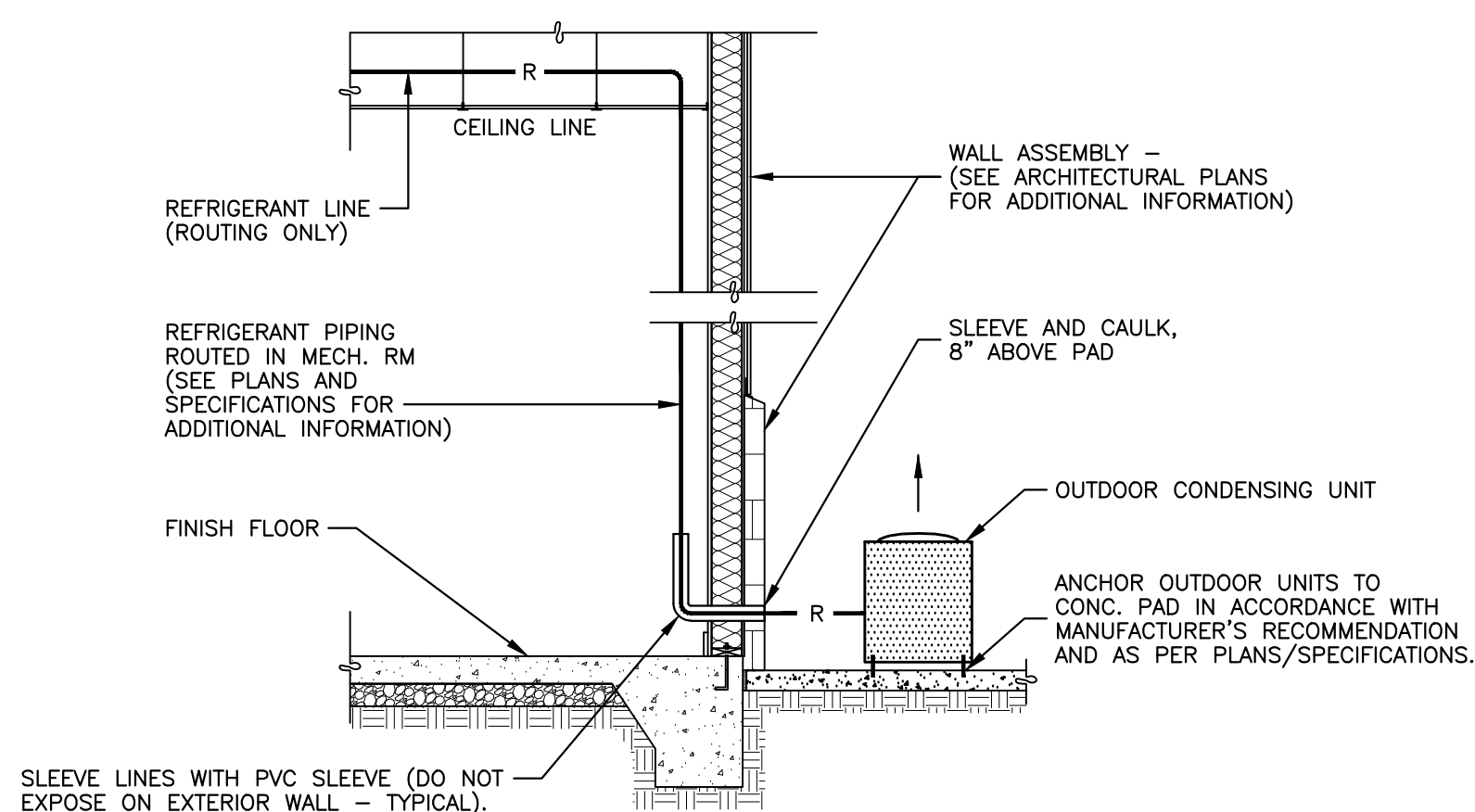


TYPICAL SECTION AT INDOOR UNIT

NOT TO SCALE

ALL PIPING SHALL BE SPACED ADEQUATELY APART (HOT GAS REHEAT, SUCTION, LIQUID, ETC.) TO ENSURE THAT INSULATION AND JACKETING CAN BE INSTALLED WITH GOOD WORKMANSHIP.

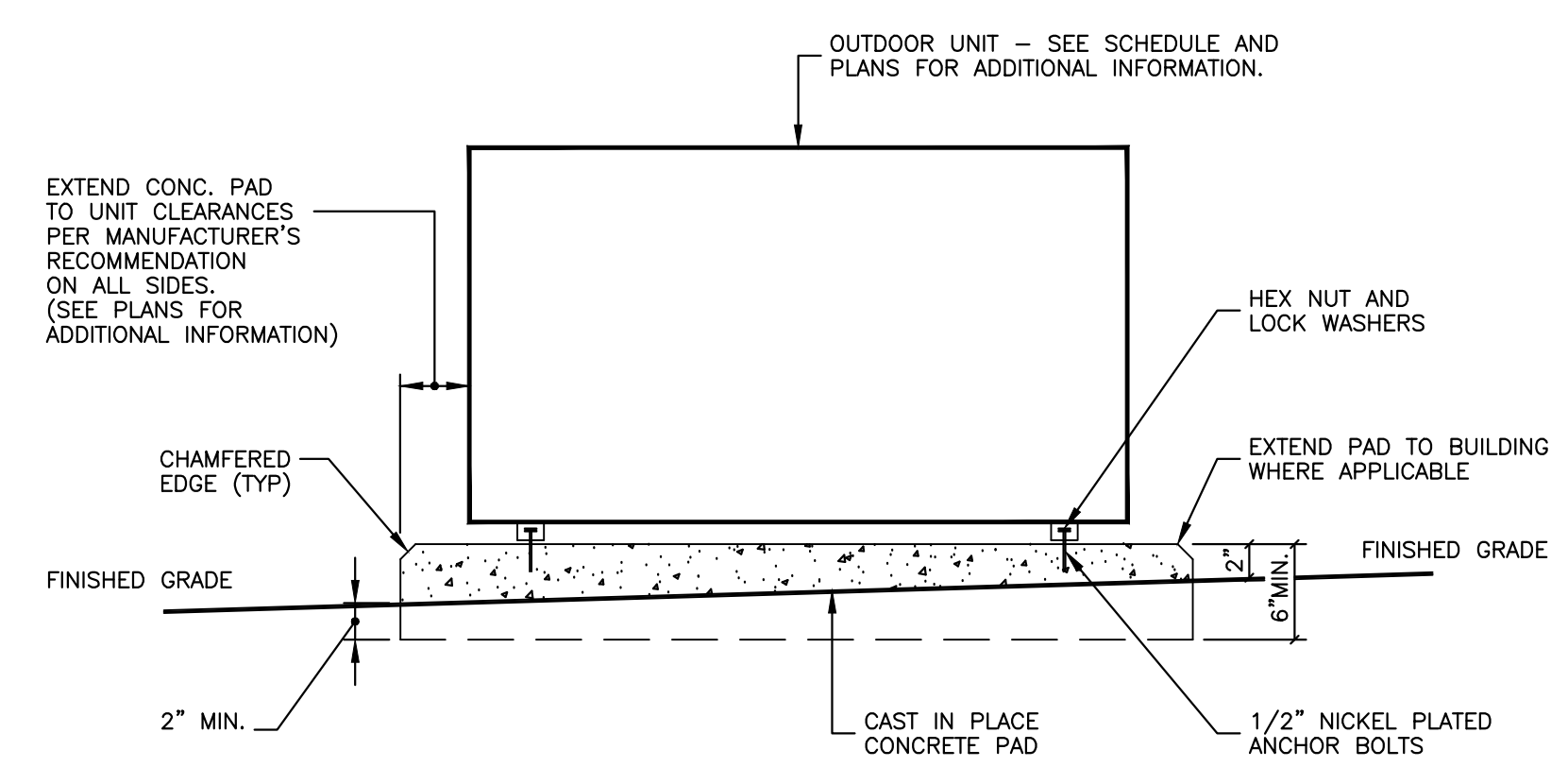
ALL REFRIGERANT LINES SHALL BE SIZED/APPROVED BY THE EQUIPMENT VENDOR/COMPRESSOR MANUFACTURER. ALL REFRIGERANT LINES SHALL BE INSTALLED USING INSULATED LINE CLAMPS.



REFRIGERANT LINE ROUTING DETAIL

NOT TO SCALE

CONTRACTOR SHALL ANCHOR OUTDOOR UNITS TO CONCRETE PAD IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, WIND LOAD REQUIREMENTS, AND AS PER PLANS/SPECIFICATIONS. COORDINATE CONCRETE PAD SIZE, UNIT CLEARANCES, ETC. WITH STRUCTURAL AND ARCHITECTURAL PLANS, FRAMING, ETC.



TYPICAL OUTDOOR UNIT SUPPORT PAD

NOT TO SCALE

HEAT PUMP EQUIPMENT SCHEDULE

MARK NO.	NOMINAL FAN CFM	MINIMUM OSA CFM	EXT. STATIC (N. W.G.)	COOLING CAPACITY					HEATING CAPACITY			MODEL NO. DATA			APPROXIMATE REFRIG. PIPING SIZE		NOTES	
				TOTAL CAP. MBH	SENS. CAP. MBH	COND. E.A.T.	EVAP. E.W.B. TEMP	MIN. SEER/EER	MIN. IEER	LOW TEMP 17' E.A.T. MBH	HIGH TEMP 47' E.A.T. MBH	MIN. HSPFF/COP	MANUFACTURER (OR APPROVED EQUAL)	INDOOR UNIT MODEL NO.	OUTDOOR UNIT MODEL NO.	GAS (IN. O.D.)		LIQUID (IN. O.D.)
HP 1	2,000	200	0.6"	59.1	44.0	95	80/67	SEER 14.0	N/A	35.8	54.0	HSPFF 8.5	TRANE	GAM5B0C60	4TWR4060	1-1/8	3/8	SEE BELOW

- 1 UNIT TO INCLUDE A 7-DAY PROGRAMMABLE AUTOMATIC CHANGEOVER ELECTRONIC SETBACK THERMOSTAT WITH SUB-BASE AND LOCKING COVER.
- 2 UNIT TO INCLUDE OUTDOOR THERMOSTAT.
- 3 UNIT TO INCLUDE CONDENSER HAIL GUARD.
- 4 VERTICAL UNIT TO BE MOUNTED ON A STEEL ANGLE PLENUM. PRIME AND PAINT STEEL TO MATCH UNIT. VERIFY PLENUM HEIGHT WITH EQUIPMENT SUPPLIER.
- 5 REFRIGERANT R-410A.
- 6 UNIT TO INCLUDE LOW AMBIENT CONTROLS TO 0 DEG F.
- 7 UNIT TO INCLUDE BIOCLIMATIC (OR APPROVED EQUAL) BI-POLAR IONIZATION UNIT (NEELEDPOINT) MOUNTED IN UNIT RETURN DUCT PER MANUFACTURER'S RECOMMENDATION. IONIZATION UNIT SHALL BE POWERED FROM ASSOCIATED HEAT PUMP.
- 8 ALL INDOOR UNITS TO INCLUDE 2" MERV 13 PLEATED FILTER AND FILTER RACK ON UNIT RETURN.
- 9 UNIT TO INCLUDE FACTORY RETURN AIR SMOKE DETECTOR.
- 10 UNIT TO INCLUDE UV-C PROTECTION. EQUIPMENT SHALL BE FRESH-AIRE UV AIRBORNE DUCT SYSTEM MODEL TUV-C-ADS (OR APPROVED EQUAL).
- 11 VERIFY FINAL REFRIGERANT PIPING SIZE AND LENGTH WITH MANUFACTURER.
- 12 ALL UNITS SHALL BE ASHRAE 90.1-2013 COMPLIANT.

APPROVED EQUALS: AMERICAN STANDARD, BRYANT, CARRIER, LENNOX, AND RHEEM

HEAT PUMP EQUIPMENT ELECTRICAL DATA

MARK NO.	OUTDOOR UNIT						INDOOR UNIT						SINGLE POINT CONNECTION
	VOLTAGE	COMPRESSOR R.L.A. (EACH)	OUTDOOR FAN F.L.A. (EACH)	MINIMUM CIRCUIT AMPS (MCA)	MAXIMUM OVERCURRENT PROTECTION	WEIGHT (LBS.)	VOLTAGE	INDOOR FAN H.P.	ELECTRIC STRIP HEAT K.W.	MINIMUM CIRCUIT AMPS (MCA)	MAXIMUM OVERCURRENT PROTECTION	WEIGHT (LBS.)	
HP 1	208/230-1-60	24.4	1.05	32	50	315	208/230-1-60	1.0	10.8/14.4	74/84	80/90	180	YES

DEHUMIDIFIER EQUIPMENT SCHEDULE

MARK NO.	NOMINAL FAN CFM	REFRIGERANT	IN WALL BASE UNIT DIMENSIONS (L x W x D)	WATER REMOVAL 80°F 60% RH	OPERATING RANGE	ELECTRICAL		MODEL NO. DATA		UNIT WEIGHT (LBS.)	NOTES
						POWER SUPPLY	AMP DRAW	MANUFACTURER (OR APPROVED EQUAL)	UNIT MODEL NO.		
DH 1	155	R-134A	27.625" X 14.25" X 5.75"	29.5 PINTS/DAY	46-95°F	120-1-60	2.29	INNOVATE DEHUMIDIFIER	IW-25-4	39	SEE BELOW

- 1 UNIT TO INCLUDE FACTORY INTEGRATED CONDENSATE PUMP.
- 2 UNIT TO INCLUDE FACTORY MERV-8 FILTER.
- 3 UNIT TO BE CONTROLLED BY FACTORY INTEGRAL DEHUMIDISTAT.
- 4 UNIT TO BE ON-WALL MOUNTED DEHUMIDIFIER.

EXHAUST FAN SCHEDULE

MARK NO.	MOUNTING	CFM	STATIC IN W.G.	SONES	WATTS/H.P.	VOLTAGE	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	WEIGHT (LBS.)	NOTES
EF 1	CEILING	75	0.25	1.6	55	115-1-60	LOREN COOK	GC-142	15	SEE BELOW
EF 2	CEILING	75	0.25	1.6	55	115-1-60	LOREN COOK	GC-142	15	SEE BELOW

- 1 FAN TO INCLUDE FACTORY MOUNTED/PRE-WIRED FAN SPEED CONTROL.
- 2 FAN TO BE SWITCHED WITH LIGHTING.
- 3 FAN TO INCLUDE CEILING RADIATION DAMPER.

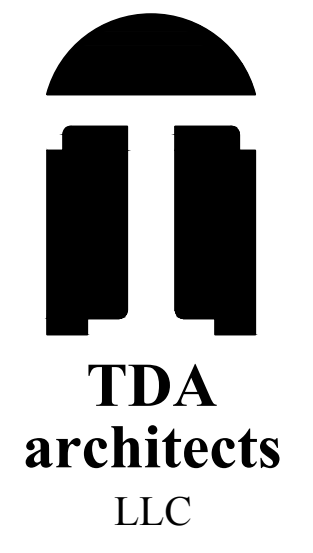
APPROVED EQUALS: BREIDERT, GREENHECK, AND PENN.

HVAC SCHEDULES AND DETAILS

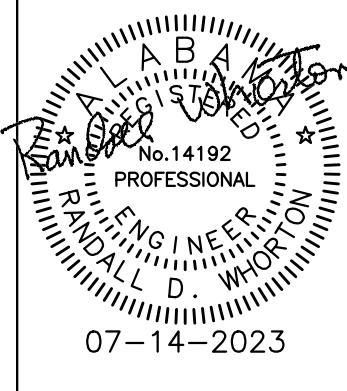
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 HVAC - PLUMBING - PROCESS CONTROL

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WHORTON ENGINEERING PROJECT NO. 23136



125 West Columbus Street
Dadeville, Alabama 36853



Norwood Community Center
 Anniston Housing Authority
 Anniston, Alabama

Revision Table	Description	Date	Revised By

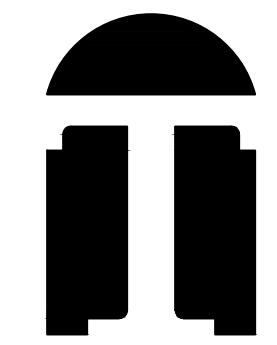
HVAC SCHEDULES AND DETAILS

TDA 445

DATE: 07/14/2023

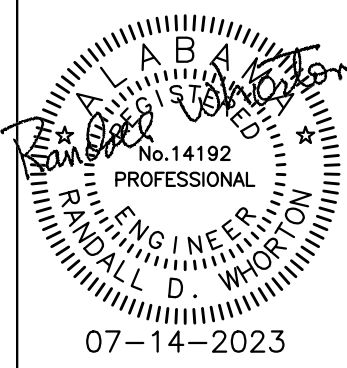
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M2



TDA
architects
LLC

125 West Columbus Street
Dadeville, Alabama 36853



Norwood Community Center
Anniston Housing Authority
Anniston, Alabama

Revision Number	Revised By	Description

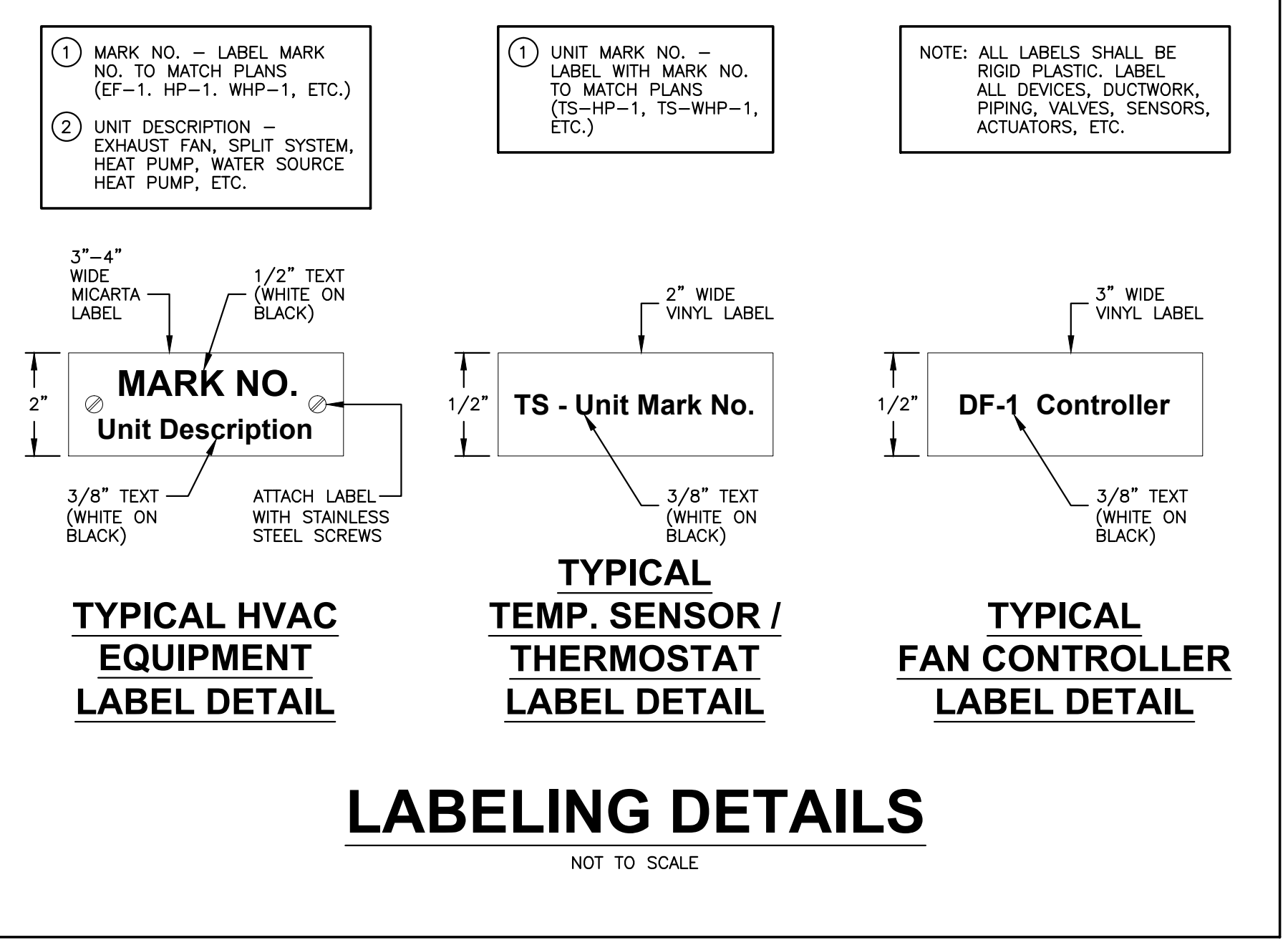
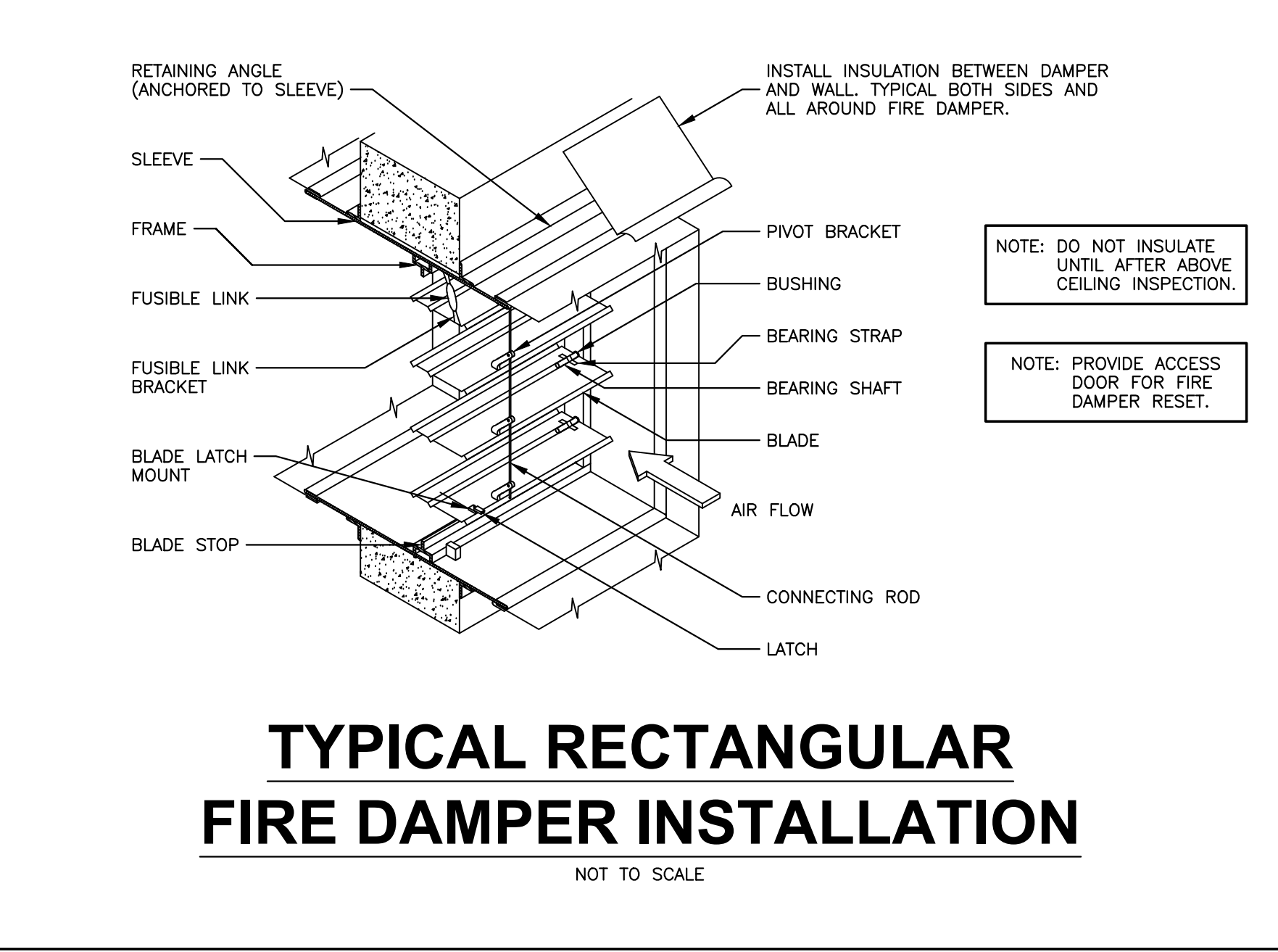
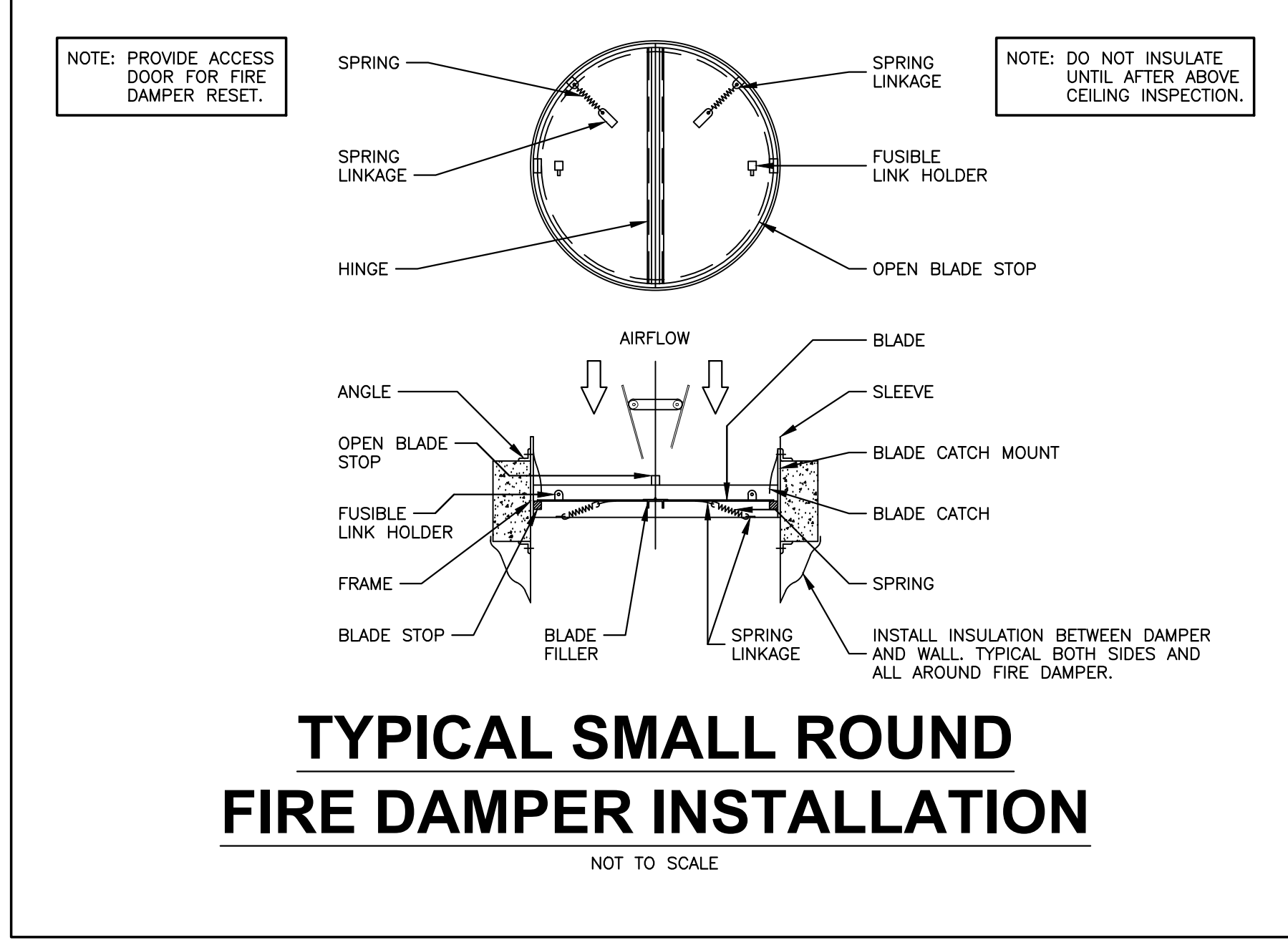
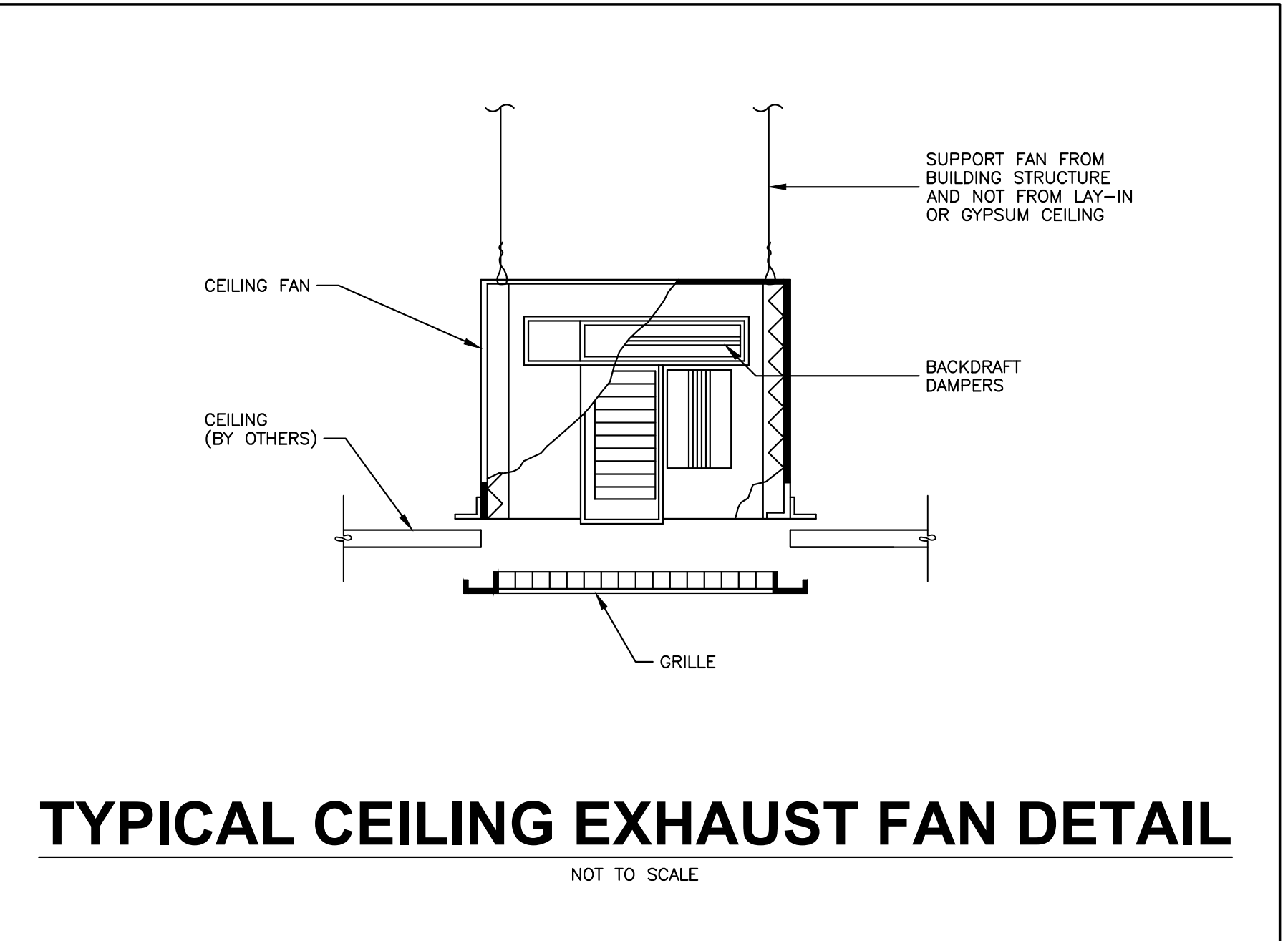
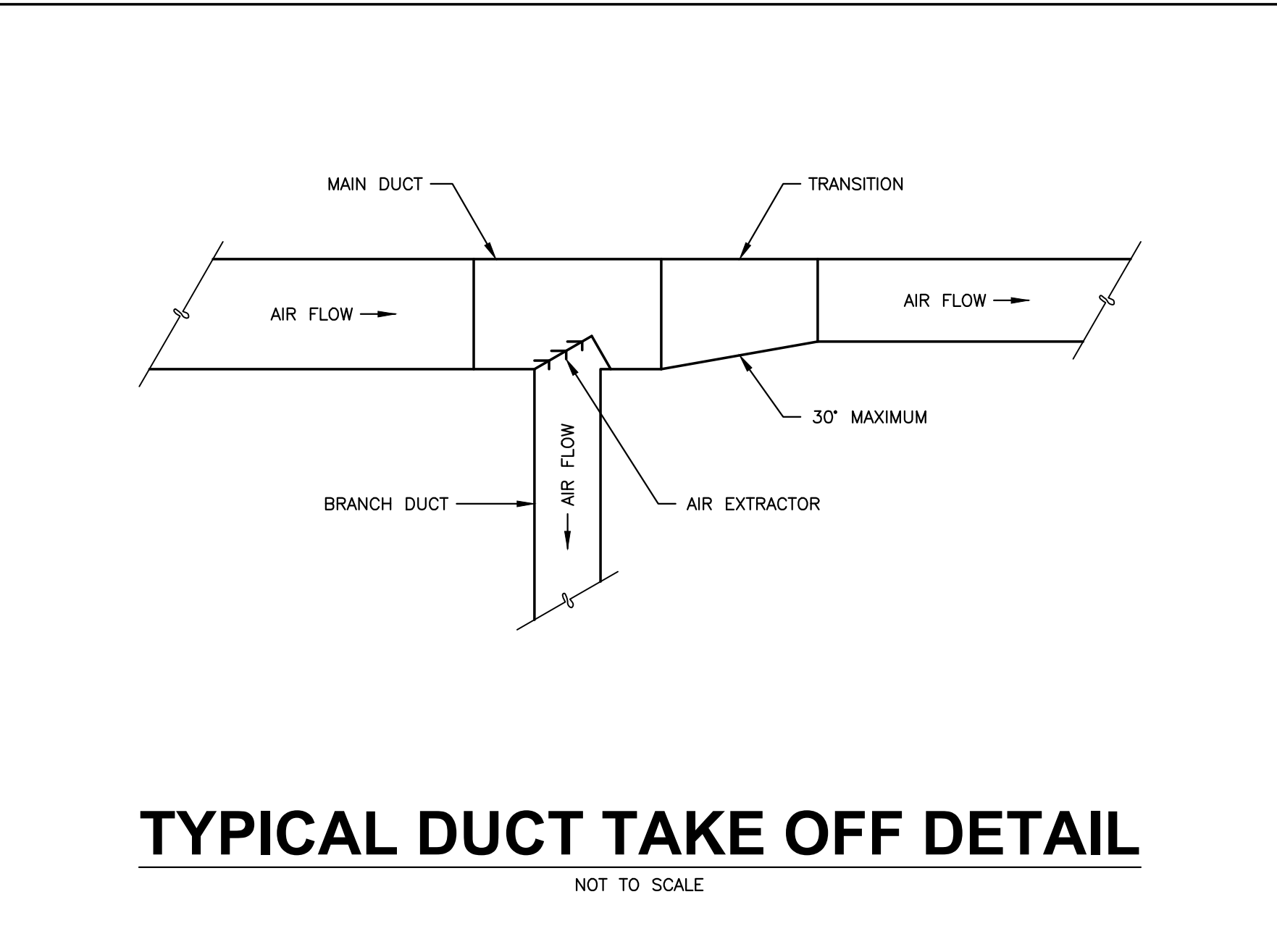
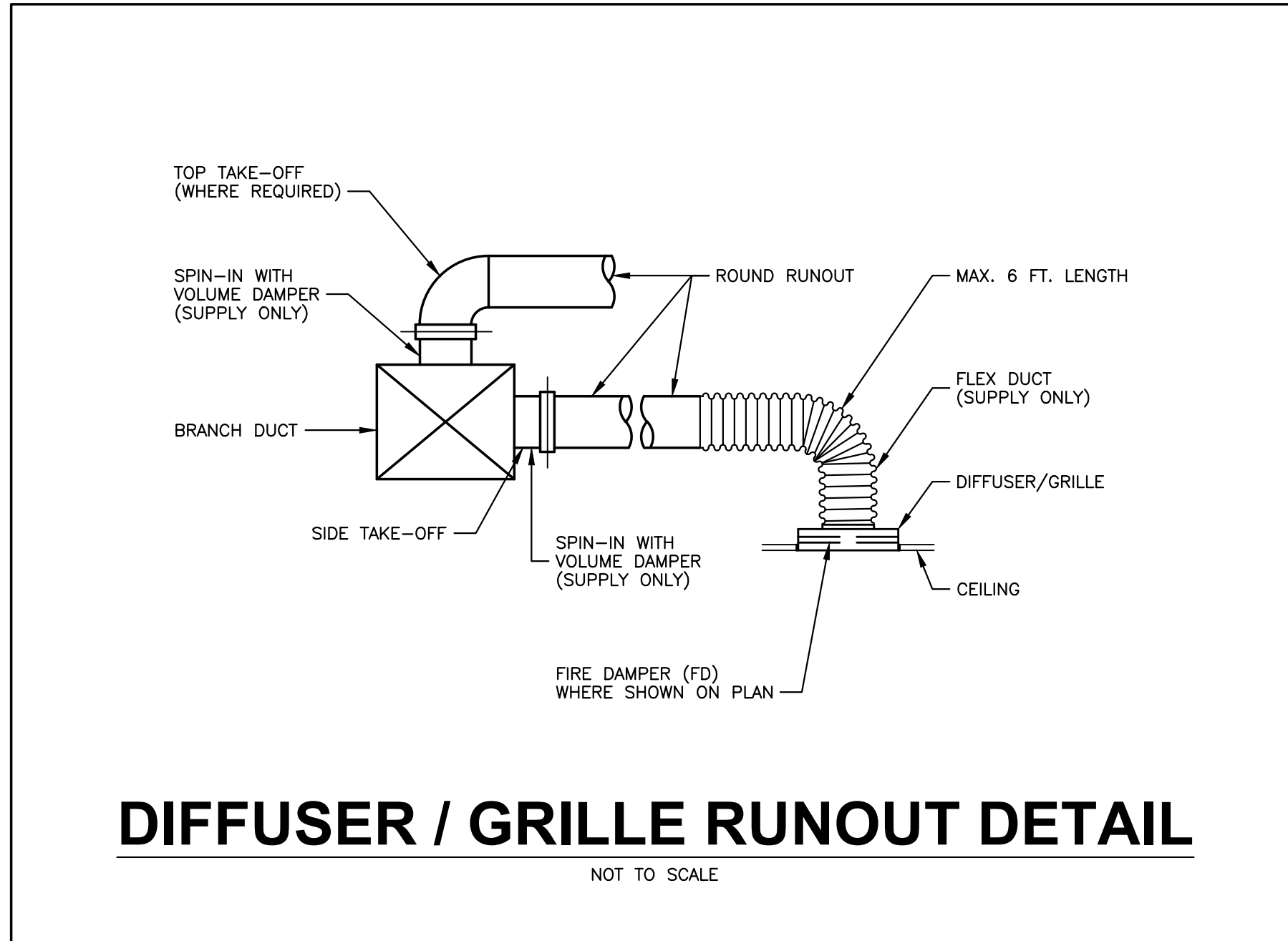
HVAC
DETAILS
AND
COMPLIANCE
CALCS.

TDA 445

DATE:
07/14/2023

SHEET:

M3



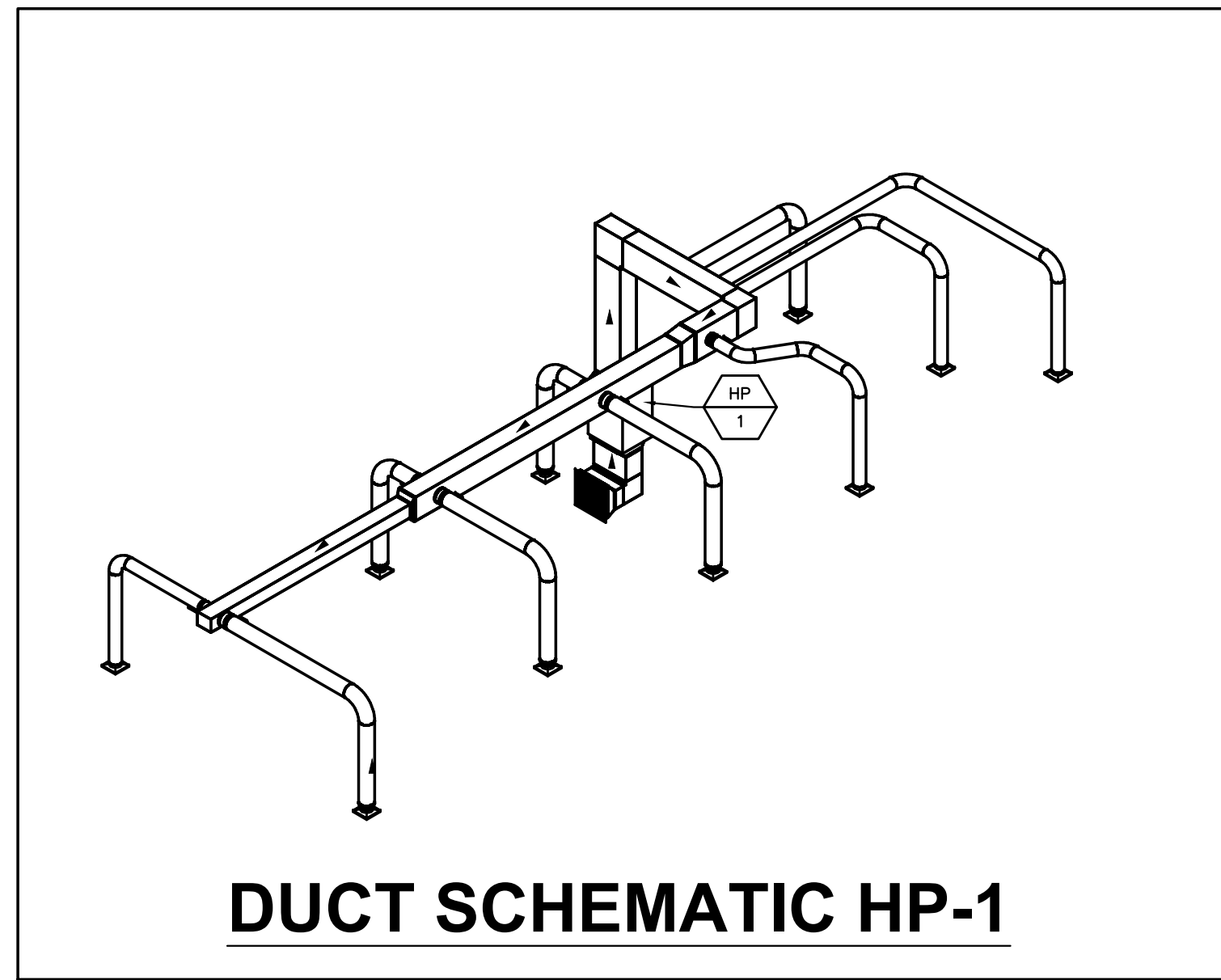
NORWOOD COMMUNITY CENTER ANNISTON HOUSING AUTHORITY - ANNISTON, AL 2021 IMC TABLE 403.3 COMPLIANCE CALCULATIONS																		
ROOM NAME	AREA (SF)	PEOPLE (QTY)	OUTDOOR AIR CALCULATIONS				EZ	VOZ CFM	VPZ CFM	ZP VOZ/VPZ	EV	VOT	DESIGN OSA CFM	EXHAUST AIR				UNIT
			PEOPLE (CFM/PERSON)	AREA (CFM/SF)	TOTAL (YOU)	CFM/SF								FIXTURES	UNIT	REQUIRED CFM	DESIGN CFM	
ENTRY/COMMUNITY ROOM	818	16	5.0	0.06	129	0.8	161	1,200	0.13									HP-1
OFFICE	115	1	5.0	0.06	12	0.8	15	125	0.12									HP-1
KITCHEN (BREAK ROOM)	199	2	5.0	0.06	22	0.8	27	300	0.09									HP-1
CORRIDOR	102	0	0.0	0.06	6	0.8	8	100	0.08									HP-1
TOTAL (HP-1)	1,234				169					1.0	169	200						HP-1
MEN	81													1	75	75	75	EF-1
WOMEN	79													1	75	75	75	EF-2

HVAC DETAILS AND COMPLIANCE CALCULATIONS

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HVAC - PLUMBING - PROCESS CONTROL

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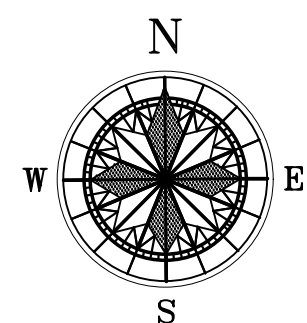
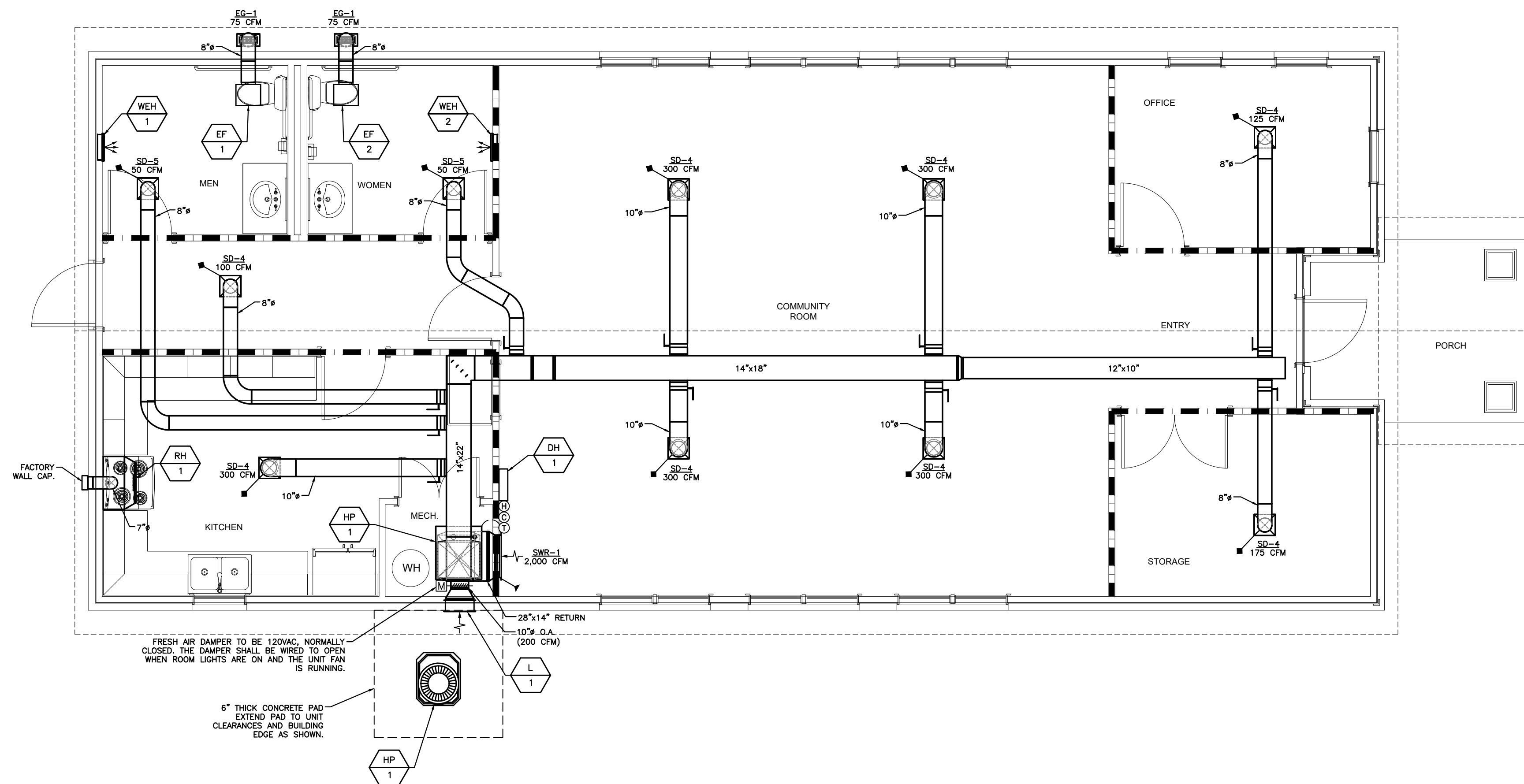
WHORTON ENGINEERING PROJECT NO. 23136



DUCT SCHEMATIC HP-1

DIFFUSER SCHEDULE							
TAG	Size	Neck Size	Quantity	Manufacturer	Model Number	Type	Notes
EG-1	10"x6"	10x4	2	TITUS	50F	EXHAUST	
SD-4	12"x12"	10"φ	8	TITUS	TDC	SUPPLY	ALUMINUM
SD-5	12"x12"	8"φ	2	TITUS	TDC-AA	SUPPLY	ALUMINUM
SWR-1	28"x28"	28x28	1	TITUS	33RL	RETURN	1" FILTER

NOTE: FURNISH AND INSTALL AN INSULATION BLANKET ON THE BACK OF ALL CEILING MOUNTED DIFFUSERS AND GRILLES.



HVAC PLAN

SCALE: 1/4" = 1'-0"
 0' 5' 10' 20'
 SCALE

FIRE WALL LEGEND

1 HOUR WALL - - - - -

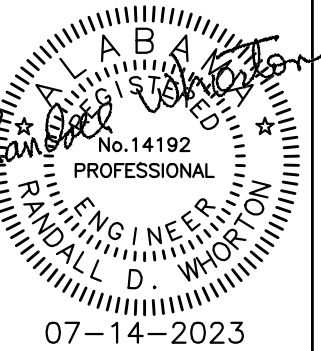
ALL SUPPLY DUCT TO BE ROUTED IN ATTIC

REFERENCE PLUMBING PLANS FOR CONDENSATE PIPING

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 HVAC - PLUMBING - PROCESS CONTROL

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 PHONE: (256) 820-9897 ANNISTON, ALABAMA 36205

WHORTON ENGINEERING PROJECT NO. 23136



Revision Number	Date	Revised By	Description

HVAC PLAN

TDA 445

DATE:
07/14/2023

SHEET:

M4

PLUMBING NOTES

- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, ACCESSORIES, AND CONTROLS COMPLETELY COORDINATED WITH ALL TRADES. ALL REQUIREMENTS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED TO, ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, LOCAL AUTHORITIES, AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE OWNER. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
- COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, HVAC, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC, PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC.
- FIELD VERIFY EXACT SIZE, MATERIAL, AND LOCATION OF ALL EXISTING UTILITIES BEFORE BEGINNING WORK.
- VERIFY LOCATION OF ALL FIXTURES WITH ARCHITECTURAL PLANS.
- VERIFY ALL FIXTURE MOUNTING HEIGHTS WITH ENGINEER AND ARCHITECT.
- COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS/WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
- PROVIDE 12"x12" ACCESS PANEL FOR SHOCK ABSORBERS, TRAP PRIMERS, AND ALL VALVES LOCATED ABOVE NON-ACCESSIBLE CEILINGS AND INSIDE PIPE CHASES. EXACT LOCATION MUST BE COORDINATED WITH ARCHITECTURAL AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
- ALL PIPING SHALL BE CONCEALED INSIDE WALLS, WITHIN PIPE CHASES, OR ABOVE CEILINGS. HOLD ALL PIPING ABOVE CEILING AS HIGH AS POSSIBLE.
- COORDINATE ALL UNDERGROUND PIPING WITH GRADE BEAMS, WALL FOOTINGS, AND OTHER STRUCTURAL CONDITIONS.
- PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL EQUIPMENT INDICATED ON DRAWINGS FINAL CONNECTION SHALL INCLUDE ANY ADAPTORS, NIPPLES, SHUT-OFF VALVES, PRV'S, SHOCK ABSORBERS, BACKFLOW PREVENTION DEVICES, REGULATORS, ETC.
- ALL STRUCTURAL PENETRATIONS (SLEEVES, BLOCK OUTS, ETC.) ARE TO BE LOCATED AND COORDINATED IN THE FIELD BY THE CONTRACTOR IN RELATION TO THE REQUIREMENTS OF FINAL EQUIPMENT AND FIXTURES SELECTED.
- CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL DOMESTIC WATER AND SANITARY SEWERS, UNLESS OTHERWISE NOTED.
- ALL PLUMBING COMPONENTS TO BE LEAD-FREE.
- HORIZONTAL DRAINAGE PIPING OF 2-1/2" DIAMETER OR LESS SHALL BE INSTALLED WITH A FALL OF NOT LESS THAN 1/4" PER FOOT. PIPING 3" AND LARGER SHALL BE INSTALLED WITH A FALL OF NOT LESS THAN 1/8" PER FOOT.
- SET FLOOR DRAIN ELEVATION DEPRESSED BELOW FINISHED SLAB ELEVATION AS LISTED BELOW TO PROVIDE PROPER FLOOR SLOPE TO DRAIN:
 5 FOOT DRAIN RADIUS : 1/2" DEPRESSION
 10 FOOT DRAIN RADIUS : 3/4" DEPRESSION
 15 FOOT DRAIN RADIUS : 1" DEPRESSION
 20 FOOT DRAIN RADIUS : 1-1/4" DEPRESSION
 25 FOOT DRAIN RADIUS : 1-1/2" DEPRESSION
- ALL TRAP ARMS, P-TRAPS, ETC. EXPOSED UNDER LAVATORIES SHALL BE 18. GA. CHROME PLATED.
- ABOVE GROUND DRAINAGE AND VENT PIPING LOCATED WITHIN FIRE RATED WALLS SHALL BE COPPER PIPE IN ACCORDANCE WITH STANDARDS ASTM B42 AND B302 OR CAST IRON PIPE IN ACCORDANCE WITH STANDARDS ASTM A 74; ASTM A 888; CISPI 301. COORDINATE WITH ARCHITECTURAL LIFE SAFETY PLANS FOR EXACT LOCATION OF ALL FIRE WALLS.
- ALL CONDENSATE DRAIN PIPING LOCATED WITHIN RETURN AIR PLENUM, SHALL BE TYPE "L" COPPER. ALL COPPER PIPING MUST BE INSULATED WITH 1/2" ARMAFLEX OR APPROVED EQUAL. PIPING CAN ALSO BE SCHEDULE 40 CPVC. ALL CONDENSATE DRAIN PIPING THAT IS NOT LOCATED WITHIN RETURN AIR PLENUM MAY BE SCHEDULE 40 PVC WITH 1/2" ARMAFLEX INSULATION (OR APPROVED EQUAL). INSULATION SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION. COORDINATE WITH HVAC PLAN FOR REQUIREMENT AND LOCATION OF AIR PLENUM(S).
- VERIFY ORIENTATION OF FLUSHING MECHANISM ON TOILET/URINAL WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN.
- PROVIDE WATER PRESSURE REDUCING/REGULATING VALVE ON MAIN SERVICE WHEN MAIN PRESSURE EXCEEDS 75 PSI AT ANY TIME OF DAY. COORDINATE WITH LOCAL UTILITY.
- PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER AT ALL CONNECTIONS TO MECHANICAL EQUIPMENT, KITCHEN AND LAUNDRY EQUIPMENT, ETC., AS REQUIRED BY CODE AND BY LOCAL AUTHORITY. CONTRACTOR IS TO VERIFY WITH THE LOCAL AUTHORITY THE TYPE OF BACKFLOW PREVENTION DEVICE REQUIRED FOR ALL APPLICATIONS PRIOR TO INSTALLATION.
- ALL OVERHEAD WATER PIPING SHALL BE INSTALLED BELOW CEILING INSULATION.
- INSTALL BACKFLOW PREVENTION IN ACCORDANCE WITH CITY AND STATE REQUIREMENTS. INSTALL ON MAIN DOMESTIC WATER SERVICE TO THE BUILDING.
- CONTRACTOR SHALL INSTALL WATER HAMMER ARRESTOR EQUAL TO ZURN SERIES 1700 AT EACH PLUMBING GROUP.
- CONTRACTOR TO FURNISH AND INSTALL ANTI-SIPHON VALVE ON EACH WATER HEATER.
- CONTRACTOR SHALL FURNISH AND INSTALL BALL VALVES FOR WATER SHUT-OFF AT FIXTURE GROUPINGS.
- WATER HEATERS SHALL INCLUDE HEAT TRAP FITTING ON INLET AND OUTLET WATER CONNECTIONS.

PLUMBING EQUIPMENT SCHEDULE

MARK NO.	FIXTURE TYPE	MANUFACTURER'S MODEL NO.	MOUNT	MOUNT HEIGHT	WASTE SIZE	VENT SIZE	C.W. SIZE	H.W. SIZE	NOTES
WC-1A	WATER CLOSET TANK TYPE, ADA PRESS. ASSIST	ZURN MODEL NO. Z5560 OR APPROVED EQUAL	FLOOR	17-1/4" TO RIM	4"	2"	1/2"	-	WHITE ELONGATED VITREOUS CHINA, WHITE OPEN FRONT SOLID PLASTIC SEAT, BOLT CAPS 12" ROUGH-IN, SUPPLY WITH STOPS.
L-1A	LAVATORY, ADA 20"x17"	ZURN MODEL NO. Z5114 OR APPROVED EQUAL	CABINET	-	1-1/4"	1-1/4"	1/2"	1/2"	WHITE VITREOUS CHINA, OPEN GRID STRAINER, DELTA MODEL NO. 501-DST FAUCET, W/ 0.5 GPM AERATOR, P-TRAP W/ CLEANOUT, SUPPLIES W/ STOPS
S-1A	STAINLESS SINK TWO COMPARTMENT A.D.A.	JUST MODEL NO. DL-ADA-2233-A-GR OR APPROVED EQUAL	CABINET	-	1-1/2"	1-1/4"	1/2"	1/2"	ELKAY MODEL NO. LK-335 STRAINER, DELTA MODEL 100LF-HDF (1.5 GPM) FAUCET, SUPPLIES WITH STOPS, P-TRAP WITH CLEANOUT, 4-1/2" BOWL DEPTH

EQUALS BY ELJER, KOHLER, TOTO, AND AMERICAN STANDARD WILL BE ACCEPTED.

PLUMBING SPECIALITY SCHEDULE

MARK NO.	FIXTURE TYPE	MANUFACTURER'S MODEL NO.	MOUNT	MOUNT HEIGHT	WASTE SIZE	VENT SIZE	C.W. SIZE	H.W. SIZE	MIXED WATER SIZE	NOTES
WH-1	WALL HYDRANT	WOODFORD MODEL NO. B65 OR APPROVED EQUAL	WALL	18" TO 24"	-	-	3/4"	-	-	FREEZELESS, ANTI-SIPHON, LOCKING BOX
WB-1	ICEMAKER WALLBOX	OATEY MODEL NO. 38574 OR APPROVED EQUAL	WALL	36" A.F.F.	-	-	1/2"	-	-	1/4 TURN BRASS BALL VALVE - COPPER SWEAT - STANDARD PACK WITH 6' STAINLESS STEEL HOSE
FD-1	FLOOR DRAIN	ZURN MODEL NO. ZN-415B-P OR APPROVED EQUAL	FLOOR	-	4"	2"	1/2"	-	-	5" DIA. NICKEL BRONZE ADJUSTABLE TOP 1/2" TRAP PRIMER W/ PROSET SYSTEM INC. TG341P RETROFIT TRAP GUARD
W.H.A.	WATER HAMMER ARRESTOR	ZURN SERIES 1700 OR APPROVED EQUAL	-	-	-	-	VARIES	VARIES	-	

EQUALS BY JAY R SMITH, ZURN, OATEY, OR JONES WILL BE ACCEPTED

ELECTRIC WATER HEATER SCHEDULE

MARK	FIXTURE TYPE	MANUFACTURER'S MODEL NO.	SIZE	VOLTAGE	WATTS SIZE	DIMENSIONS	C.W. INLET	H.W. INLET	NOTES
EW-1	ELECTRIC WATER HEATER LOW BOY	A.O. SMITH MODEL NO. DEL-20 OR APPROVED EQUAL	20 GAL.	240 1 PHASE	4,500	21-3/4"Ø 22-1/4"H	3/4"	3/4"	4,500 WATT NON-SIMULTANEOUS ELEMENTS ASHRAE 90.1 COMPLIANT; SIDE CONNECTIONS

EQUALS BY STATE, RHEEM, OR A. O. SMITH WILL BE ACCEPTED

MIXING VALVE SCHEDULE

MARK NO.	MANUFACTURER'S MODEL NO.	TEMPERATURE (°F)	INLET	OUTLET
MV-1	POWERS SERIES LFLM496	SET AT 90°-110°	3/4"	3/4"

NOTES:
1. UNLESS OTHERWISE NOTED, MIXING VALVES SHALL CONFORM TO ASSE 1070 AND ASSE 1017.

CODES AND STANDARDS

- 2021 INTERNATIONAL PLUMBING CODE
- 2021 INTERNATIONAL MECHANICAL CODE
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

PVC PIPE HANGER SPACING GUIDE

NPS (INCHES)	OPERATING TEMPERATURE (°F)		
	60	100	140
1/2	4.5	4	2.5
3/4	5	4	2.5
1	5.5	4.5	2.5
1-1/4	5.5	5	3
1-1/2	6	5	3
2	6	5	3
3	7	6	3.5
4	7.5	6.5	4
6	8.5	7.5	4.5
8	9	8	4.5

PVC PIPE SUPPORTS - SCHEDULE 40
MAXIMUM SUPPORT SPACING (FEET)

NPS (INCHES)	OPERATING TEMPERATURE (°F)		
	60	100	140
1/2	5	4.5	2.5
3/4	5.5	4.5	2.5
1	6	5	3
1-1/2	6.5	5.5	3.5
2	7	6	3.5
3	8	7	4
4	9	7.5	4.5
6	10	9	5
8	11	9.5	5.5

NOTE: PLASTIC PIPE SUPPORTS SHALL BE AS NOTED ABOVE UNLESS MANUFACTURER'S RECOMMENDATION IS MORE STRINGENT FOR THE APPLICATION.

PLUMBING LEGEND

SS	SANITARY SEWER	●	FLOOR DRAIN
CD	CONDENSATE DRAIN	SV	BALL VALVE
CW	COLD WATER	CV	CHECK VALVE
110°	110° HOT WATER	RD	RISER DOWN (ELBOW)
140°	140° HOT WATER	RU	RISER UP (ELBOW)
110°HWR	110° HOT WATER RETURN	90°	90° ELBOW
140°HWR	140° HOT WATER RETURN	TEE	TEE
V	VENT	CROSS	CROSS
◆	CONNECT TO EXISTING	VTR	VENT THRU ROOF

PLUMBING DRAWING INDEX

SHEET NO.	SHEET TITLE
P1	PLUMBING SCHEDULES, LEGEND, AND NOTES
P2	PLUMBING DETAILS
P3	PLUMBING PLANS

PLUMBING SCHEDULES, LEGEND, AND NOTES

NOT TO SCALE

WHORTON ENGINEERING, INC.

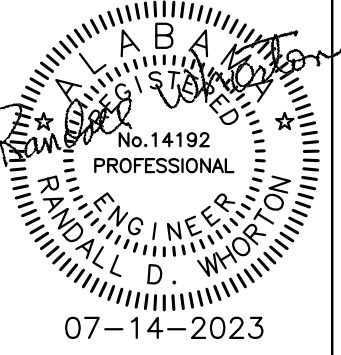
HVAC - PLUMBING - PROCESS CONTROL

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WHORTON ENGINEERING PROJECT NO. 23136



125 West Columbus Street
Dadeville, Alabama 36853



Norwood Community Center
Anniston Housing Authority
Anniston, Alabama

Revision Table	Description
Number	Date

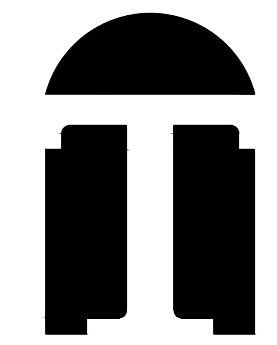
PLUMBING SCHEDULES, LEGEND, AND NOTES

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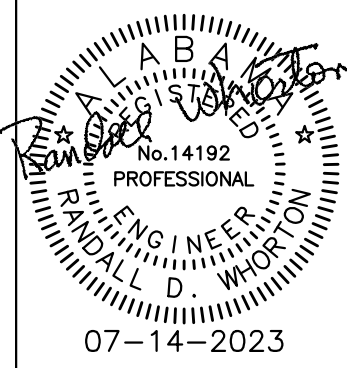
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P1



TDA
architects
LLC

125 West Columbus Street
Dadeville, Alabama 36853



Norwood Community Center
Anniston Housing Authority
Anniston, Alabama

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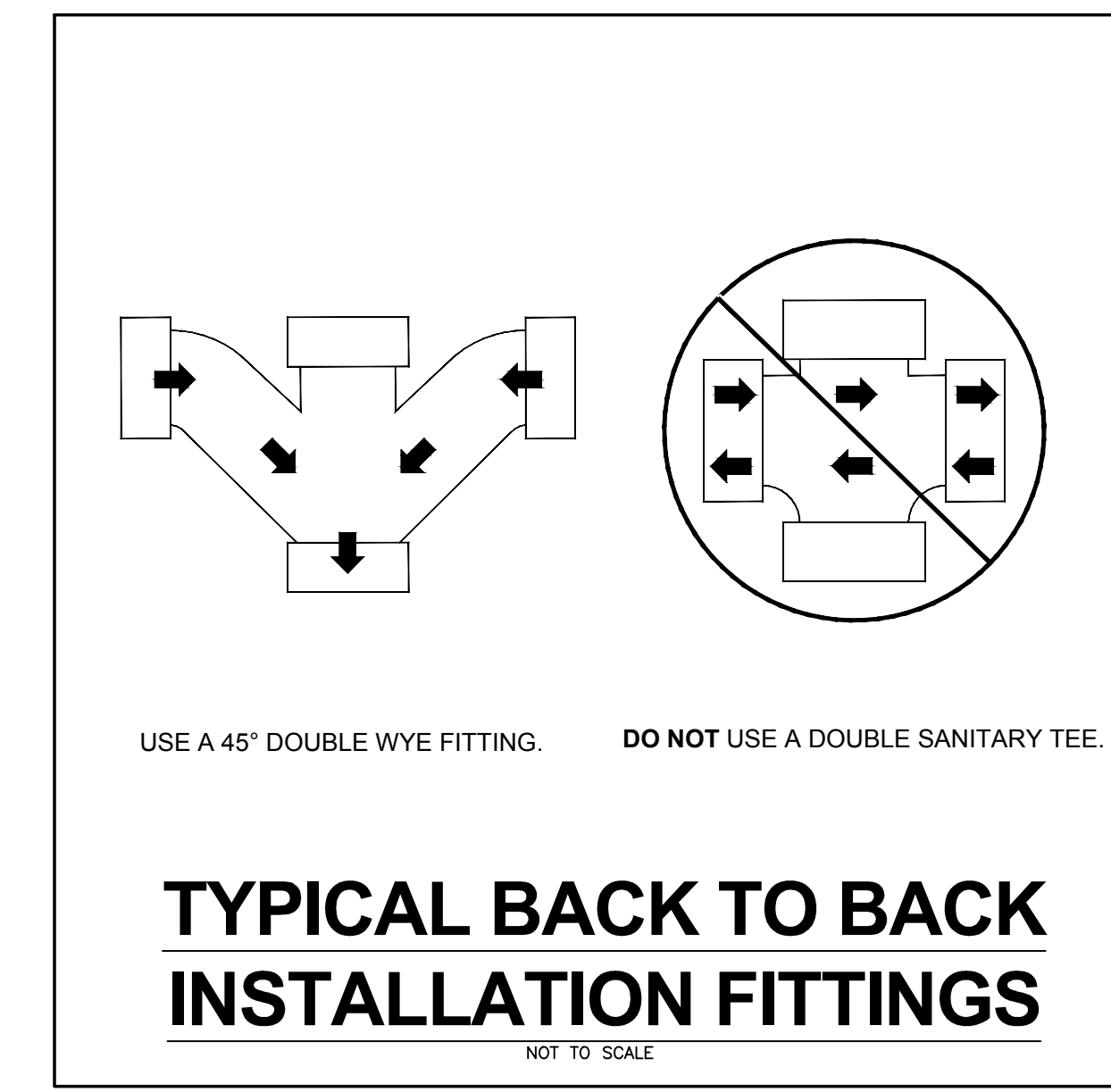
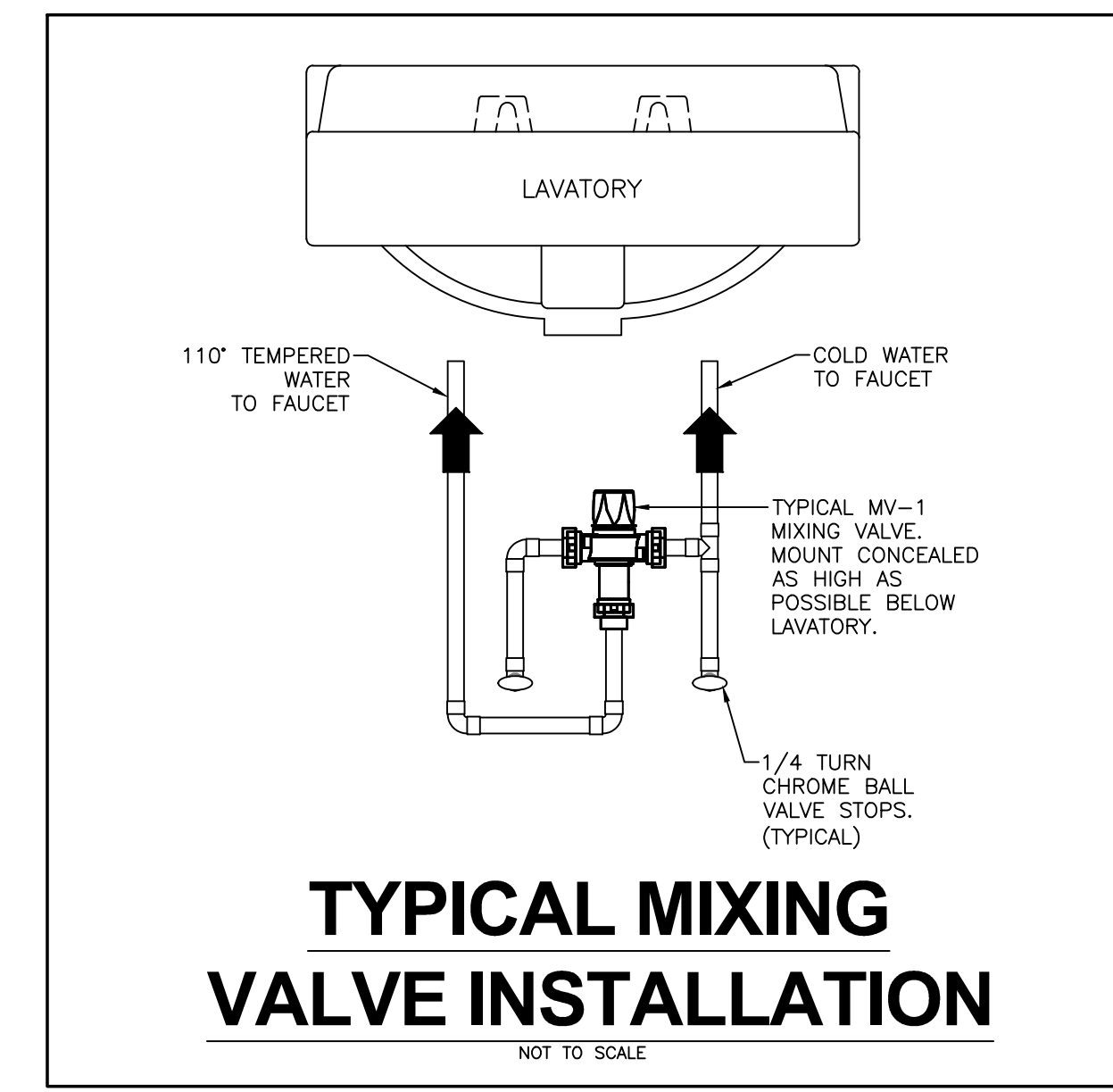
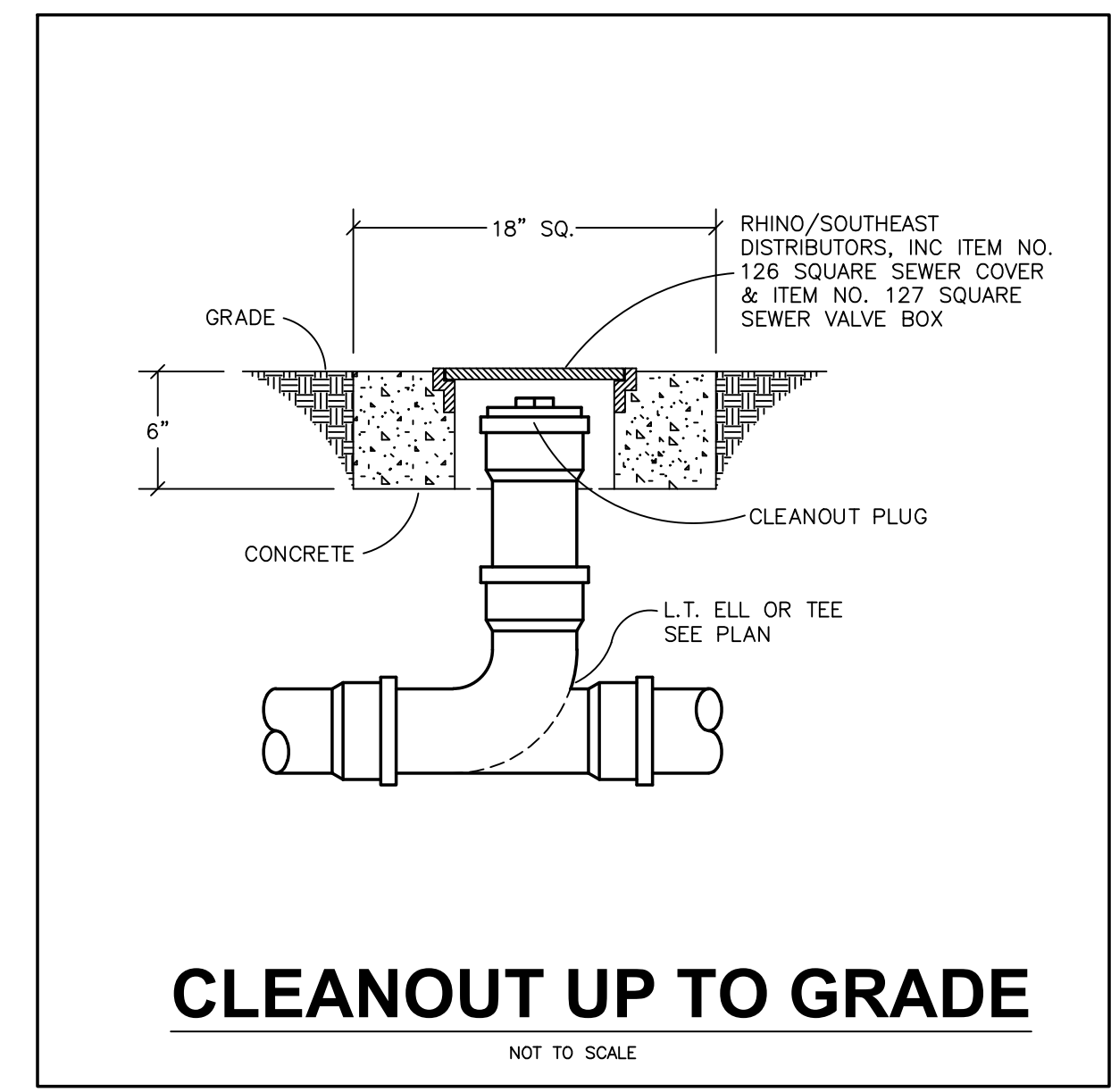
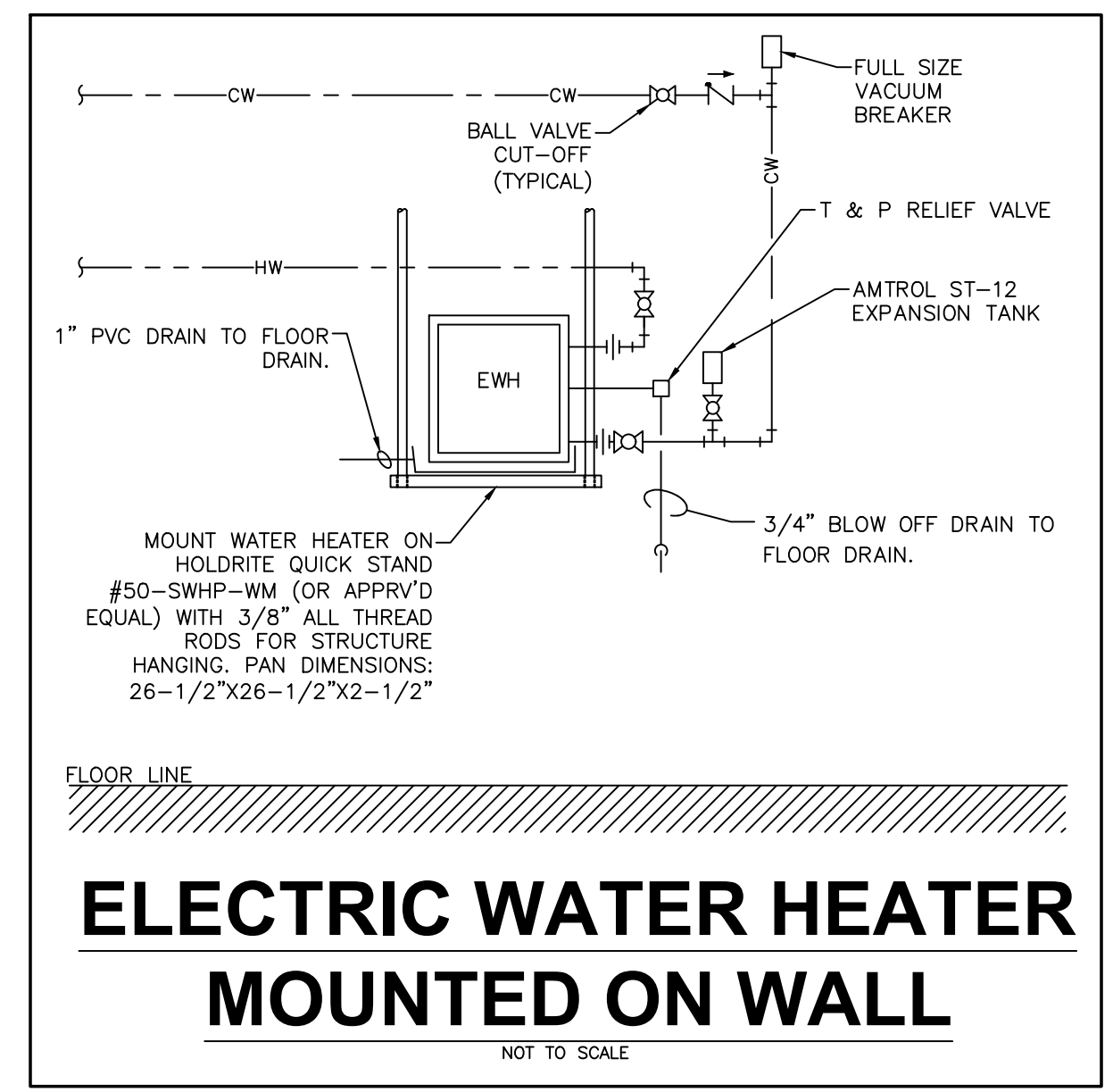
PLUMBING
DETAILS

TDA 445

DATE:
07/14/2023

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PLUMBING DETAILS

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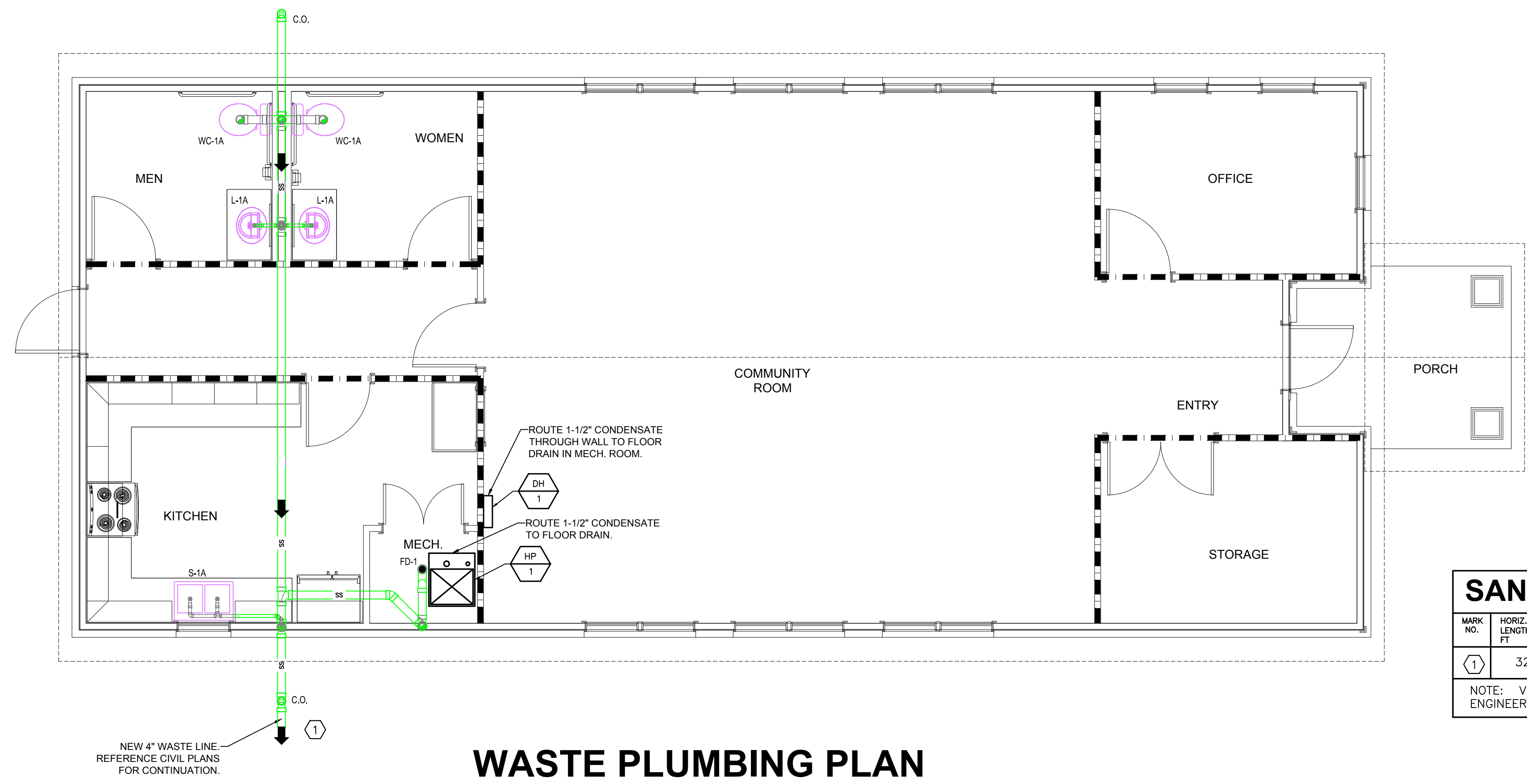
PLUMBING PLANS

TDA 445

DATE:
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P3

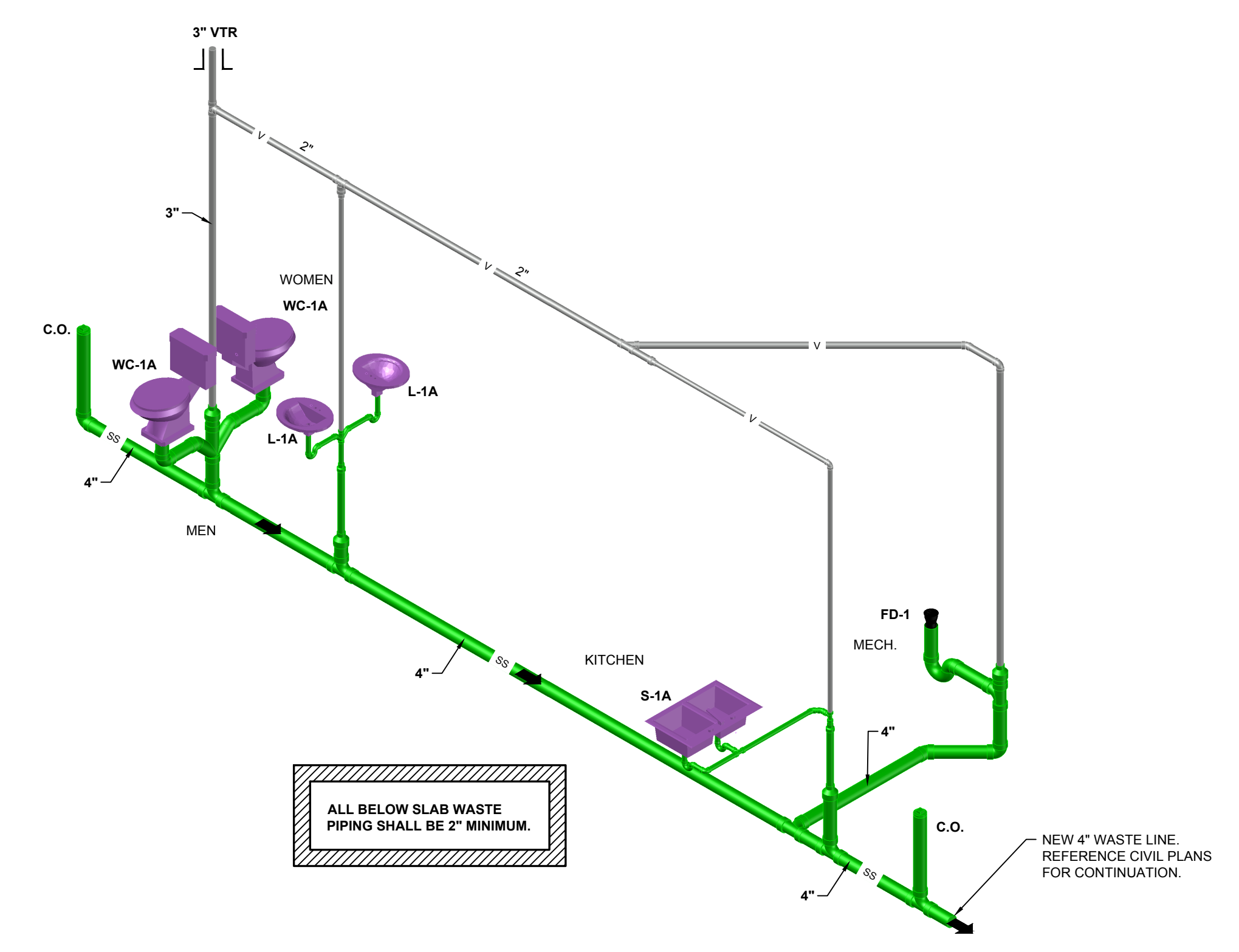


WASTE PLUMBING PLAN

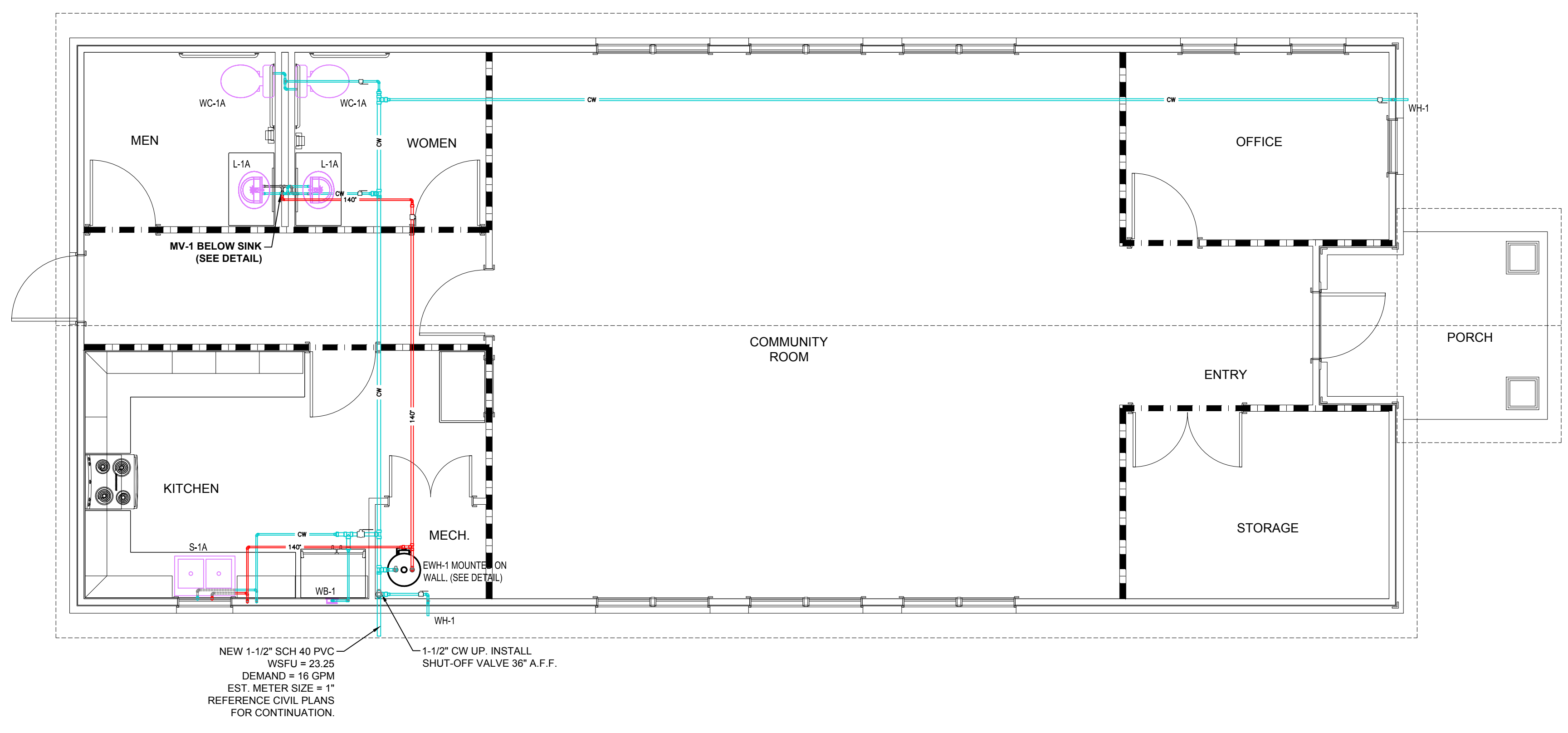
SANITARY OUTFALL

MARK NO.	HORIZ. LENGTH FT.	EST. B.F.F. (BELOW FIN. FLOOR) FT.
①	32	±3.33

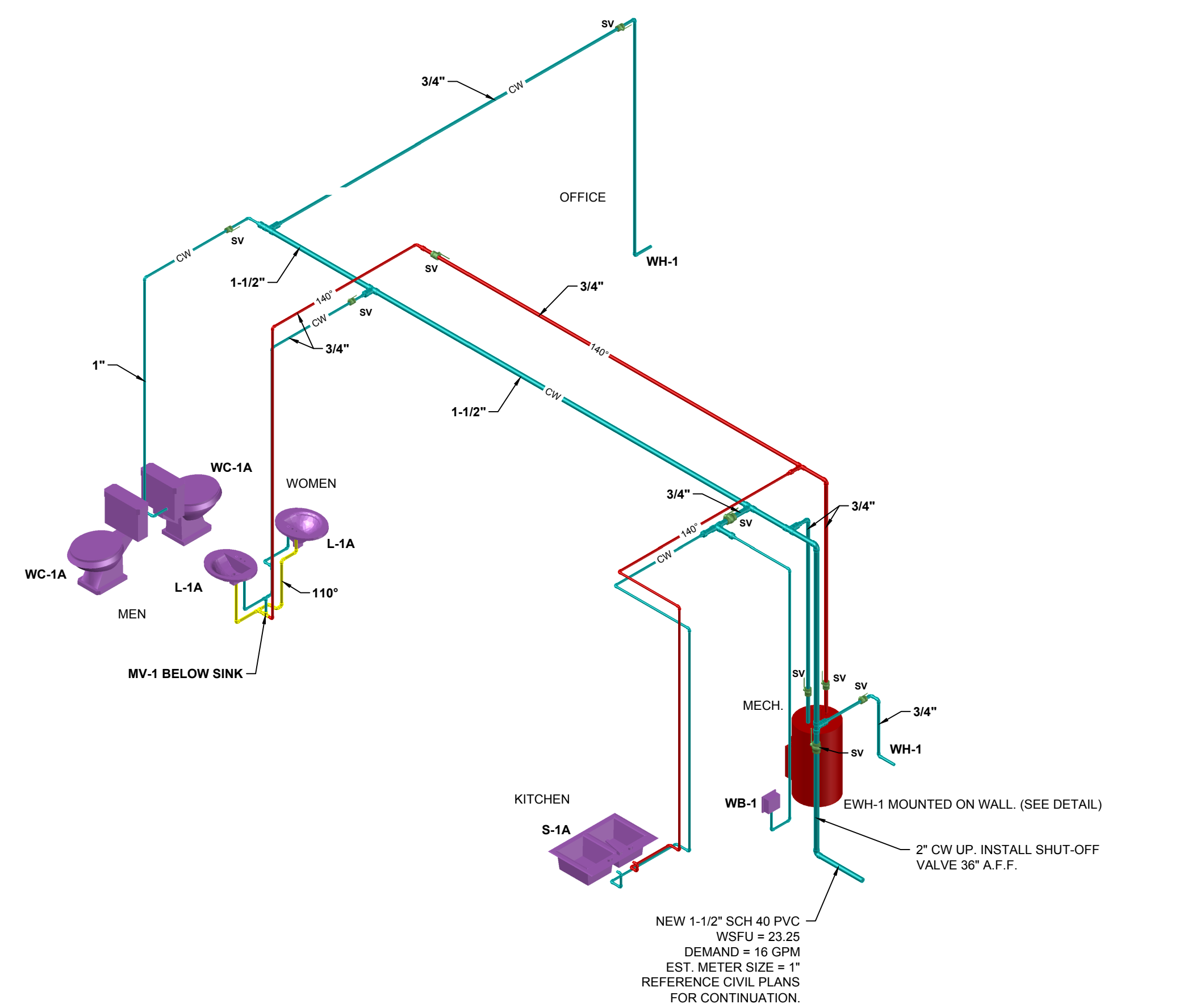
NOTE: VERIFY FINAL OUTFALL WITH CIVIL ENGINEER PRIOR TO BEGINNING WORK.



WASTE PLUMBING RISER DIAGRAM
NOT TO SCALE



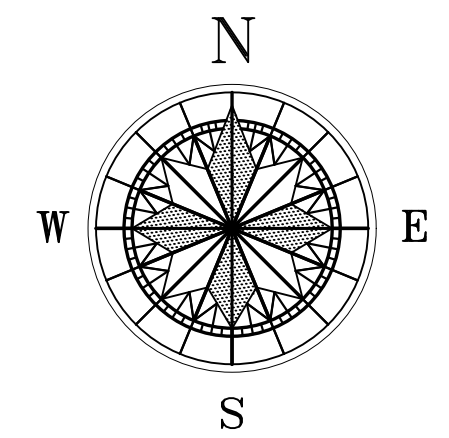
WATER PLUMBING PLAN



WATER PLUMBING RISER DIAGRAM
NOT TO SCALE

FIRE WALL LEGEND

1 HOUR WALL	---
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PLUMBING PLANS

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



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ELECTRICAL SYMBOLS

	CEILING OUTLET – LED DOWNLIGHT.
	CEILING OUTLET – SURFACE LED FIXTURE. HATCHING INDICATES FIXTURE WITH EMERGENCY BATTERY PACK.
	CEILING OUTLET – SURFACE LED FIXTURE.
	WALL OUTLET – LED BRACKET TYPE.
	WALL OUTLET – LED BRACKET TYPE.
	WALL OUTLET – DUPLEX OUTLET, 20A, 125V, GROUNDED, HUBBELL #5362 – GREY. (*WP* DENOTES EXTRA DUTY METAL IN-USE WEATHERPROOF COVER)
	WALL OUTLET – GFCI DUPLEX OUTLET, 20A, 125V, GROUNDED, WEATHERPROOF, HUBBELL #GF-5362-GY – GREY WITH #S-26 PLATE. (*WP* DENOTES EXTRA DUTY METAL IN-USE WEATHERPROOF COVER)
	WALL OUTLET – DUPLEX OUTLET, MOUNTED 6" ABOVE COUNTER.
	WALL OUTLET – GFCI DUPLEX OUTLET, MOUNTED 6" ABOVE COUNTER.
	WALL OUTLET – SINGLE OUTLET, 30A, 250V, 4W. VERIFY NEMA CONFIGURATION WITH ACTUAL EQUIPMENT.
	WALL OUTLET – SINGLE OUTLET, 50A, 120/250V, 4W, VERIFY NEMA CONFIGURATION WITH ACTUAL EQUIPMENT.
	FLOOR OUTLET – CONDUIT STUB UP.
	CEILING OUTLET – JUNCTION BOX.
	WALL OUTLET – JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT.
	SWITCH OUTLET – AC TYPE, SINGLE POLE, 20A, 120/277V, HUBBELL #1221 – GREY. (*N* DENOTES NARROW)
	SWITCH OUTLET – AC TYPE, TWO POLE, 20A, 120/277V, HUBBELL #1222 – GREY.
	SWITCH OUTLET – AC TYPE, THREE WAY, 20A, 120/277V, HUBBELL #1223 – GREY.
	SWITCH OUTLET – AC TYPE, FOUR WAY, 20A, 120/277V, HUBBELL #1224 – GREY.
	SWITCH MANUAL MOTOR STARTER, SINGLE POLE WITH OVERLOAD PROTECTION.
	SWITCH OUTLET/TIMER – TIME SWITCH WITH ON/OFF BUTTON. WATT STOPPER TS-400-G OR EQUAL..
	SWITCH OUTLET – LOW VOLTAGE SWITCH FOR "MANUAL ON" ONLY. SENSOR SWITCH SPODM-SA OR EQUAL.
	SWITCH OUTLET – THREE WAY LOW VOLTAGE SWITCH FOR "MANUAL ON" ONLY. SENSOR SWITCH SPODM-SA-3X OR EQUAL.
	CEILING/WALL SENSOR – DUAL TECHNOLOGY CEILING SENSOR. SENSOR SWITCH CM PDT SERIES WITH POWER PACK OR EQUAL.
	LIGHTING PANEL – SEE SPECIFICATIONS AND SCHEDULE.
	POWER PANELS – SEE SPECIFICATIONS AND SCHEDULE.
	BRANCH CIRCUIT CONCEALED IN WALL OR CEILING.
	BRANCH CIRCUIT CONCEALED IN FLOOR OR GROUND.
	HOMERUN TO PANELBOARD – ANY CIRCUIT WITHOUT FURTHER DESIGNATION 2 # 12 & 1 # 12(G) – 1/2" CONDUIT. 3 # 12 & 1 # 12(G) – 3/4" CONDUIT. 4 # 12 & 1 # 12(G) – 3/4" CONDUIT.
	EMPTY CONDUIT – (1)-1".
	BRANCH CIRCUIT EXPOSED.
	LOW VOLTAGE WIRING.
	CONDUIT RUN DOWN WALLS, CONCEALED
	CONDUIT RUN UP WALLS, CONCEALED
	MOTOR SHOWN 5hp (TYPICAL) OR 40 AMPS (TYPICAL).
	EXHAUST FAN MOTOR – FRACTIONAL HORSEPOWER.

	MAGNETIC MOTOR STARTER.
	NON-FUSED DISCONNECT SWITCH. (RT – RAINLIGHT).
	FUSED DISCONNECT SWITCH. (RT – RAINLIGHT).
T.B.B.	TELEPHONE BACKBOARD – 4' X 4' X 3/4" – 2 COATS OF GREY ENAMEL BOTH SIDES. (OR AS NOTED).
	THERMOSTAT – WALL OUTLET 48" AFF OR AS DIRECTED BY MECHANICAL DRAWINGS. RUN EMPTY 3/4" CONDUIT TO UNIT.
	CARBON DIOXIDE DETECTOR – WALL OUTLET 48" AFF OR AS DIRECTED BY MECHANICAL DRAWINGS. RUN EMPTY 3/4" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING.
	HUMIDISTAT – WALL OUTLET 48" AFF OR AS DIRECTED BY MECHANICAL DRAWINGS. RUN 3/4" EMPTY CONDUIT TO UNIT.
A.F.F.	ABOVE FINISHED FLOOR.
A.F.G.	ABOVE FINISHED GRADE.
B.F.C.	BELOW FINISHED CEILING.
MD	MOTORIZED DAMPER.
VER.	VERIFY LOCATION.
N.E.C.	NATIONAL ELECTRICAL CODE.
	CATV OUTLET – 3/4" CONDUIT TO ATTIC WITH PULL WIRE.
	TELEPHONE OUTLET – 3/4" CONDUIT TO ATTIC. (*W* INDICATES WALL MOUNTED AT 54" AFF.)
	DATA OUTLET – 3/4" CONDUIT TO ATTIC.

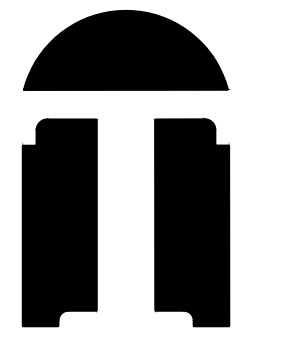
GENERAL NOTES

- ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2020 NATIONAL ELECTRICAL CODE AND LOCAL ORDINANCES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
- CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL DETAILS OF THE WORK AND ALL EXISTING FIELD CONDITIONS.
- CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL INSTALLATION INCLUDING ALL WORK CUSTOMARILY INCLUDED EVEN IF NOT SPECIFICALLY CALLED OUT.
- THE ELECTRICAL CONTRACTOR SHALL CAREFULLY COORDINATE HIS WORK WITH OTHER CONTRACTORS THROUGH THE GENERAL CONTRACTOR FOR SPACE REQUIREMENTS, ETC.
- CONTRACTOR SHALL VERIFY ALL MECHANICAL EQUIPMENT NAMEPLATE DATA BEFORE ANY WORK IS DONE AND MAKE ANY ADJUSTMENTS IN BREAKER AND WIRE SIZE AS MAY BE REQUIRED.
- SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE CONTRACT DOCUMENTS OR BE IN DOUBT AS TO INTENT, HE SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ARCHITECT OR ENGINEER.
- THE ELECTRICAL DRAWINGS ARE SCHEMATIC AND ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF CONDUIT, OUTLETS, ETC.. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS AND SHALL FIT HIS WORK TO CONFORM WITH THE BUILDING CONSTRUCTION AND WITH THE OTHER TRADES.
- MOUNTING HEIGHTS OF ALL WALL OUTLETS SHALL BE AS FOLLOWS UNLESS OTHERWISE INDICATED:
WALL SWITCHES.....4'-0" (TO CENTER OF BOX)
RECEPTACLES.....1'-6" (TO CENTER OF BOX)
TELEPHONE OUTLET.....1'-6" (TO CENTER OF BOX)
DATA OUTLET.....1'-6" (TO CENTER OF BOX)
CATV OUTLET.....1'-6" (TO CENTER OF BOX)
- ELECTRICAL CONTRACTOR SHALL VERIFY EXACT HEIGHT OF ALL COUNTER TOPS AND BACKSPASHES ON CASEWORK SHOP DRAWINGS AND CHANGE SPECIFIED MOUNTING HEIGHT OF WALL OUTLETS AS REQUIRED SO THAT BOTTOM OF OUTLET BOX IS 2" ABOVE TOP OF BACKSPASH OR IF NO BACKSPASH IS USED, 4" ABOVE COUNTERTOP.
- ALL OUTLET BOXES MOUNTED BACK-TO-BACK IN WALLS SHALL HAVE FIREPROOF SOUND INSULATING MATERIAL INSTALLED BETWEEN THE BOXES TO PREVENT SOUND TRANSMISSION FROM ONE ROOM TO ANOTHER.
- VERIFY ALL DOOR SWINGS WITH THE ARCHITECT BEFORE ROUGHING IN LIGHT SWITCHES.
- CONTRACTOR SHALL CHECK ALL LIGHT FIXTURES FOR EXACT MOUNTING TYPE AND SPACE REQUIRED PRIOR TO ROUGH-IN.
- BRANCH CIRCUITS SHALL BE #12 AWG AND 1/2" CONDUIT MINIMUM. CONDUCTORS SHALL BE 98% CONDUCTIVITY COPPER. SEE SPECIFICATIONS FOR INSULATION TYPE.
- ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS.
- VERIFY EXACT LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGHING IN.
- SUPPORT OF ALL LIGHTING FIXTURES SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. SEE SPECIFICATIONS FOR SUPPORTING METHODS.
- COORDINATE SERVICES WITH POWER AND COMMUNICATION COMPANIES. REMOVE OR RELOCATE ALL POWER AND COMMUNICATIONS CIRCUITS ABOVE OR BELOW GRADE THAT WOULD OBSTRUCT CONSTRUCTION OF THE PROJECT OR CONFLICT IN ANY MANNER WITH COMPLETION OF THE PROJECT OR ANY CODE PERTAINING THERETO. IF UTILITY COMPANY REQUIREMENTS ARE AT A VARIANCE WITH THESE DRAWINGS AND SPECIFICATIONS, THE CONTRACT PRICE SHALL INCLUDE THE ADDITIONAL COST.
- THIS CONTRACTOR SHALL INSTALL EQUIPMENT GROUNDS THROUGHOUT THIS PROJECT, USING GREEN INSULATED CONDUCTORS. USE OF CONDUIT AS THE ONLY GROUND CONDUCTOR WILL NOT BE ALLOWED. SIZE GROUND CONDUCTORS PER N.E.C..
- ALL UTILITY FEES ASSOCIATED WITH THIS PROJECT SHALL BE INCLUDED IN BID. IF THESE FEES CANNOT BE OBTAINED FROM THE UTILITY PRIOR TO BID, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL FIELD MARK ALL ELECTRICAL EQUIPMENT WITH ARC-FLASH WARNING LABELS PER NEC 110.16.
- CONTRACTOR SHALL PROVIDE RECORD DRAWINGS AND MANUALS THAT PROVIDE INSTRUCTION ABOUT OPERATION AND MAINTENANCE OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF ELECTRICAL EQUIPMENT WITH THE OWNER PRIOR TO SUBMITTING AND ORDERING EQUIPMENT.
- VERIFY EXACT LOCATION AND EXACT MOUNTING HEIGHT OF ALL ELECTRICAL EQUIPMENT AND ELECTRICAL CONNECTIONS WITH THE ARCHITECT AND THE OWNER PRIOR TO ROUGH-IN.

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NO.	LAMPS			MOUNTING HEIGHT	TYPE MOUNTING	RECESS DEPTH	REMARKS
			NO.	WATTS	TYPE				
A10	LITHONIA	2BLTX4-48L-ADP-120-EZ1-LP850-GMF	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
A11	LITHONIA	2BLTX4-48L-ADP-120-EZ1-LP850-GMF-EL14L	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
A12	LITHONIA	2BLTX4-40L-ADP-120-EZ1-LP850-GMF	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
A13	LITHONIA	2BLTX4-40L-ADP-120-EZ1-LP850-GMF-EL14L	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
A14	LITHONIA	2TLX4-60L-FW-A19-EZ1-LP850	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
A15	LITHONIA	2TLX4-60L-FW-A19-EZ1-LP850-EL14L	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
A16	LITHONIA	2BLTX4-60L-ADP-120-EZ1-LP850-GMF	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
D12	LITHONIA	ZL1D-L48-3000LM-FST-120-50K-80CRI	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
F5	ECLIPSE LIGHTING	AS-XL-HR(LED 20W)-5K-120-WH-FUS	FURNISHED WITH FIXTURE			ABOVE MIRROR	SURFACE		SEE NOTES 1 & 2
G8	GOTHAM LIGHTING	ICO-40-20-6AR-LSS-70D-120-EZ1-SF	FURNISHED WITH FIXTURE			CEILING	RECESSED	8-7/8"	SEE NOTE 1
G9	GOTHAM LIGHTING	ICO-40-20-6AR-LSS-70D-120-EZ1-SF-ELR	FURNISHED WITH FIXTURE			CEILING	RECESSED	8-7/8"	SEE NOTE 1
L3	LITHONIA	WST LED-P2-50K-VF-120-SF-E20WH-DOBXD	FURNISHED WITH FIXTURE			+9' A.F.F.	SURFACE		SEE NOTES 1 & 2
L4	LITHONIA	WST LED-P2-50K-VF-120-SF--DOBXD	FURNISHED WITH FIXTURE			+7' A.F.F.	SURFACE		SEE NOTES 1 & 2
X	LITHONIA	LES-R-ELN	FURNISHED WITH FIXTURE			ABOVE DOOR	SURFACE		SEE NOTE 1

- NOTES:
1. EQUALS BY DAYBRITE AND COLUMBIA WILL BE ACCEPTABLE.
2. VERIFY FINISH WITH ARCHITECT.



**TDA
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LLC**

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Dadeville, Alabama 36853



Norwood Community Center
Anniston Housing Authority
Anniston, Alabama

Revision Table	Date	Description
Number		

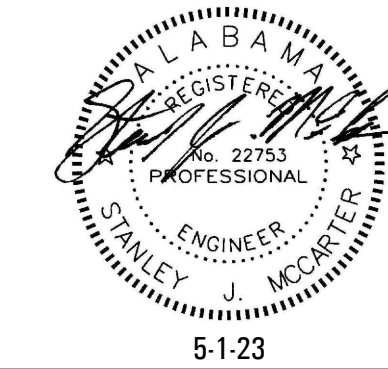
Notes,
Symbols and
Lighting
Fixture
Schedule

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DATE:
5/1/2023

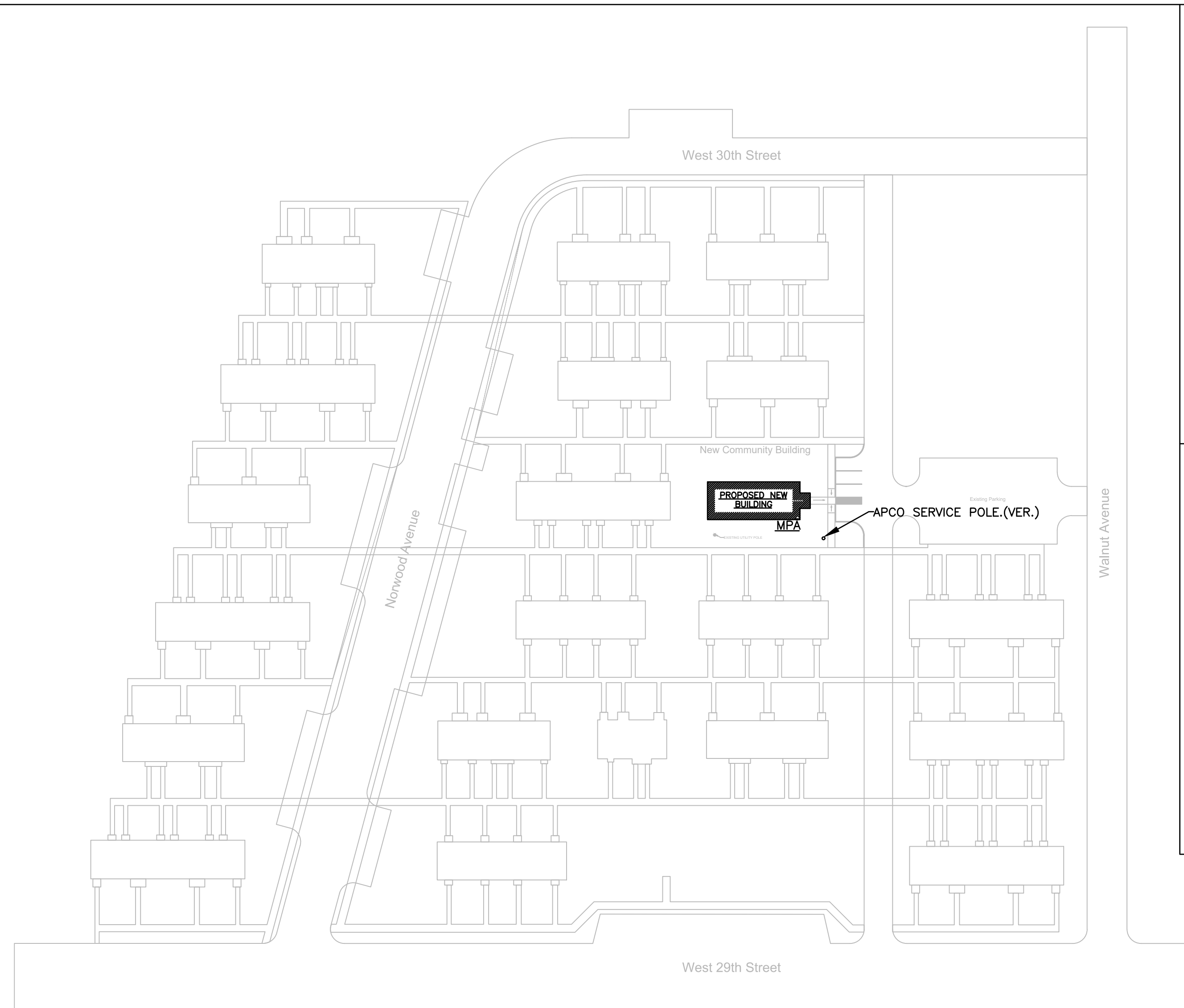
SHEET:

E1



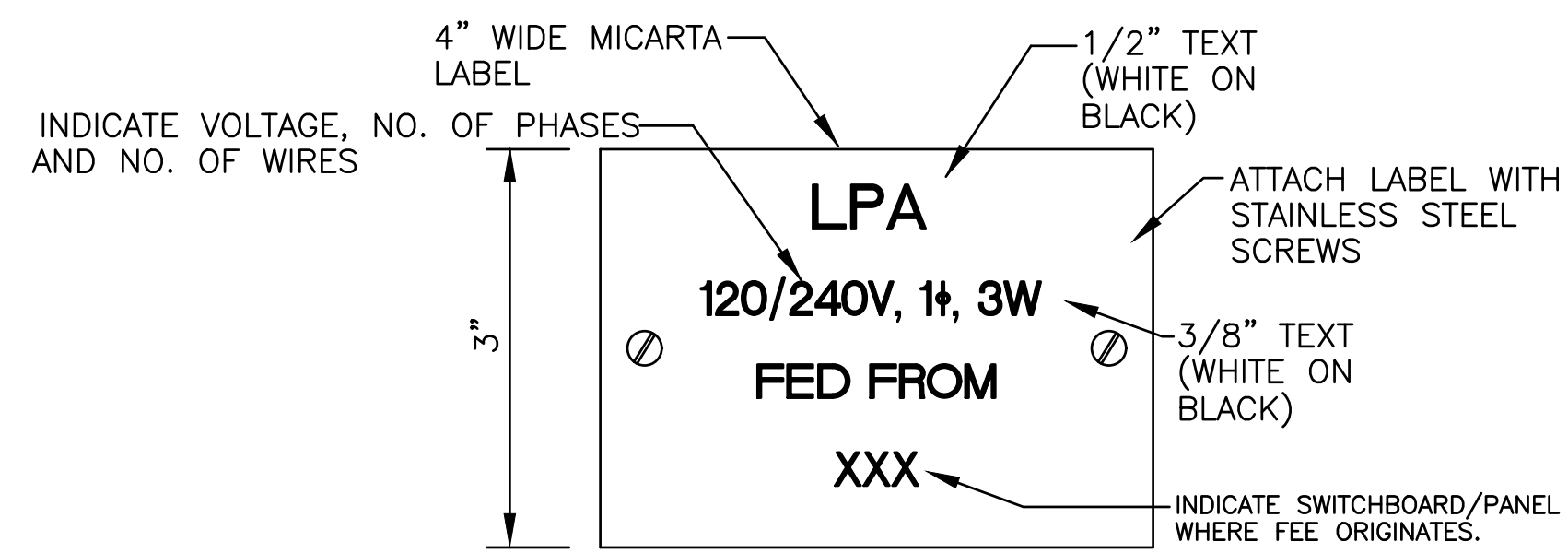
McCARTER
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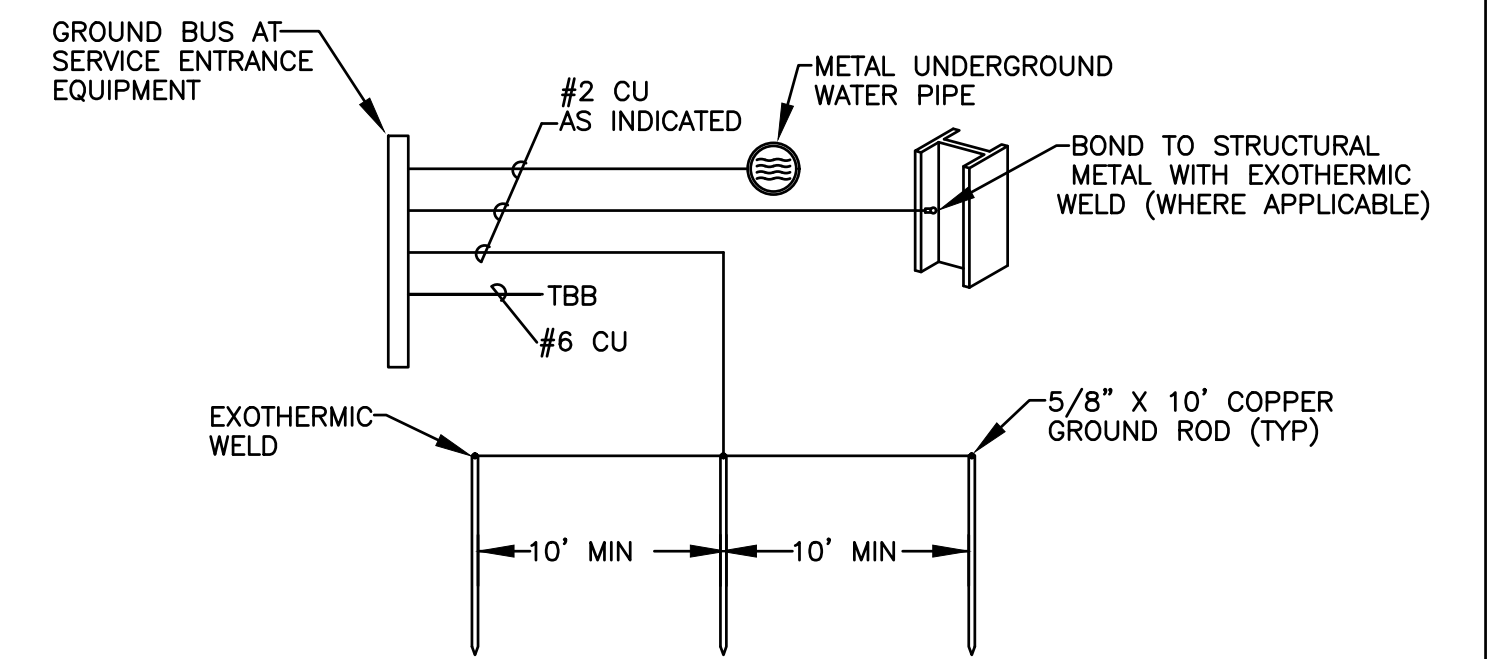


ELECTRICAL SITE PLAN

SCALE: 1" = 60'-0"

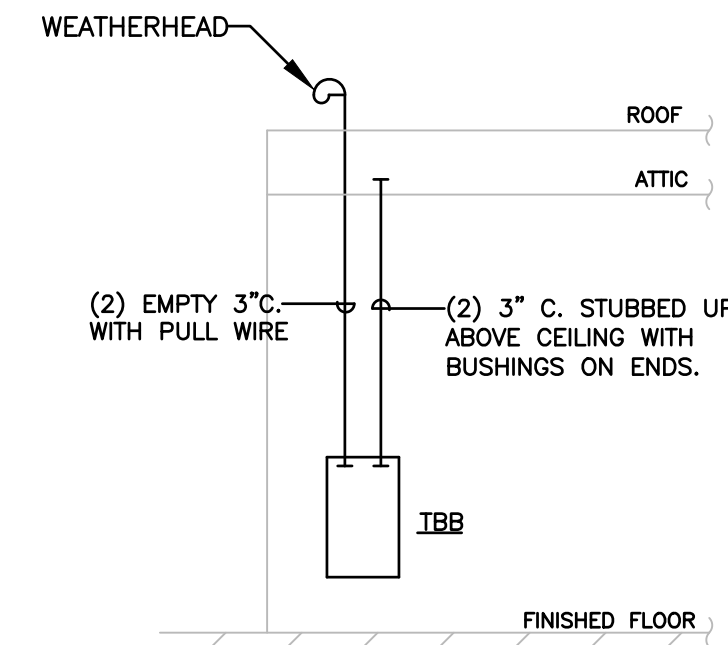


PANEL LABEL DETAIL
N.T.S. (TYPICAL)



GROUNDING DETAIL

N.T.S.
NOTES:
1. PROVIDE AND INSTALL A 2"x6" GROUND BUS AT TBB.



TELEPHONE RISER DETAIL
N.T.S.

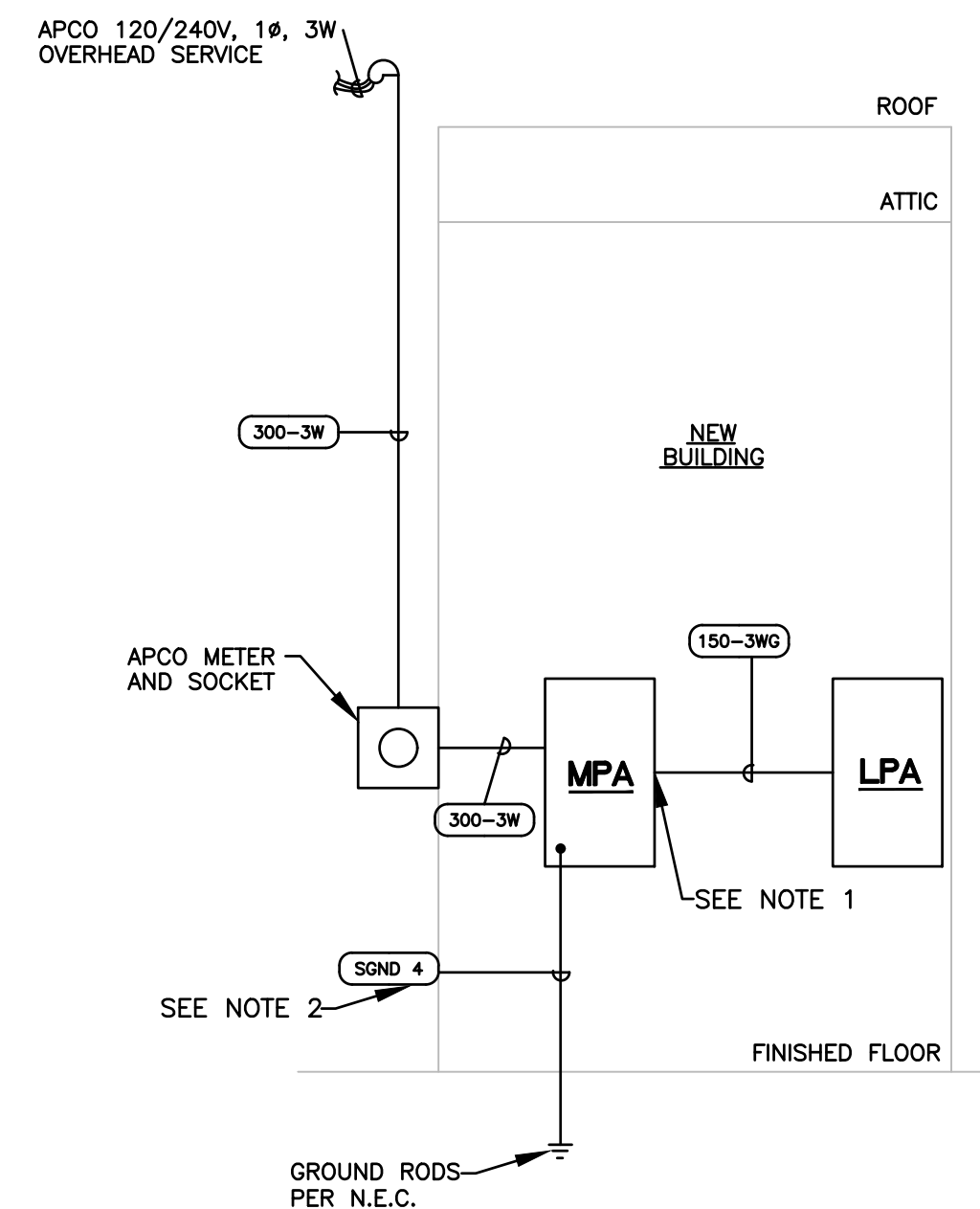
FEEDER/GROUND CONDUCTOR SCHEDULE

AMPS	1 Ø WIRE TAG	SINGLE PHASE FEEDER
150 W/ GND	(150-3WG)	3 #1/0 & 1 #6(G) IN 1-1/2" C.
300 W/O GND	(300-3W)	3 #350 MCM IN 2-1/2" C.
MISCELLANEOUS TAGS		
	(SGND 4)	1 #2 CU IN 3/4" C.

PANELBOARD SCHEDULE

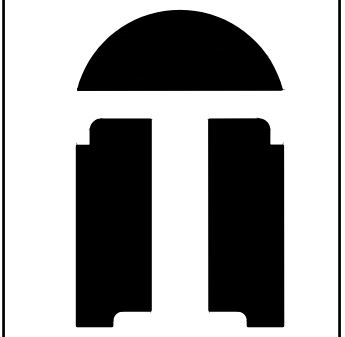
MARK	TYPE	MAINS			BRANCHES					LUG LOCATION	TYPE MOUNTING	MINIMUM AIC RATING	REMARKS
		TYPE	AMPS	SERVICE	1 POLE	2 POLE	3 POLE	SPARES	SPACES				
MPA	NQOD	MB	300	120/240V 1Ø, 3W	1-15	2-15 1-30 1-50 1-90 1-150		6-20/1	23-1PS	TOP	SURFACE	VERIFY WITH APCO	SEE NOTES 1 THROUGH 4
LPA	NQOD	MLO	150	120/240V 1Ø, 3W	1-15 14-20	1-50GF		6-20/1	7-1PS	BOTTOM	SURFACE	VERIFY WITH APCO	SEE NOTE 1

NOTES:
1. PANEL SHALL BE FULLY RATED AND SHALL HAVE A HINGED FRONT TRIM.
2. PANEL SHALL BE RATED FOR SERVICE ENTRANCE EQUIPMENT.
3. FIELD MARK ELECTRIC SERVICE EQUIPMENT WITH A CONSPICUOUS & PERMANENT LABEL THAT INDICATES THE AVAILABLE FAULT CURRENT PER NEC 110.24.
4. PANEL SHALL BE EQUIPPED WITH BUILT-IN SURGE PROTECTION, CAPABLE OF WITHSTANDING A TRANSIENT SURGE OF 160,000 AMPS.
GF INDICATES BREAKER GROUND BREAKER.



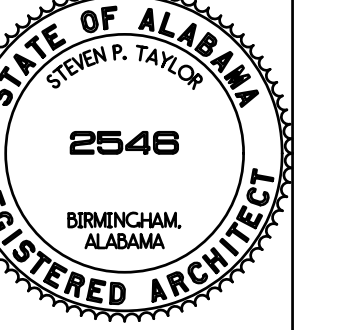
ELECTRICAL SINGLE LINE DIAGRAM

N.T.S.
NOTES:
1. FEED PANEL LPA WITH A 150/2 BREAKER IN PANEL MPA.
2. SEE SCHEDULE ON THIS SHEET FOR WIRE SIZE. (TYP)



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Norwood Community Center
Anniston Housing Authority
Anniston, Alabama

Revision Table	Description
Number	Date

Single Line Diagram, Schedules, Site Plan and Details

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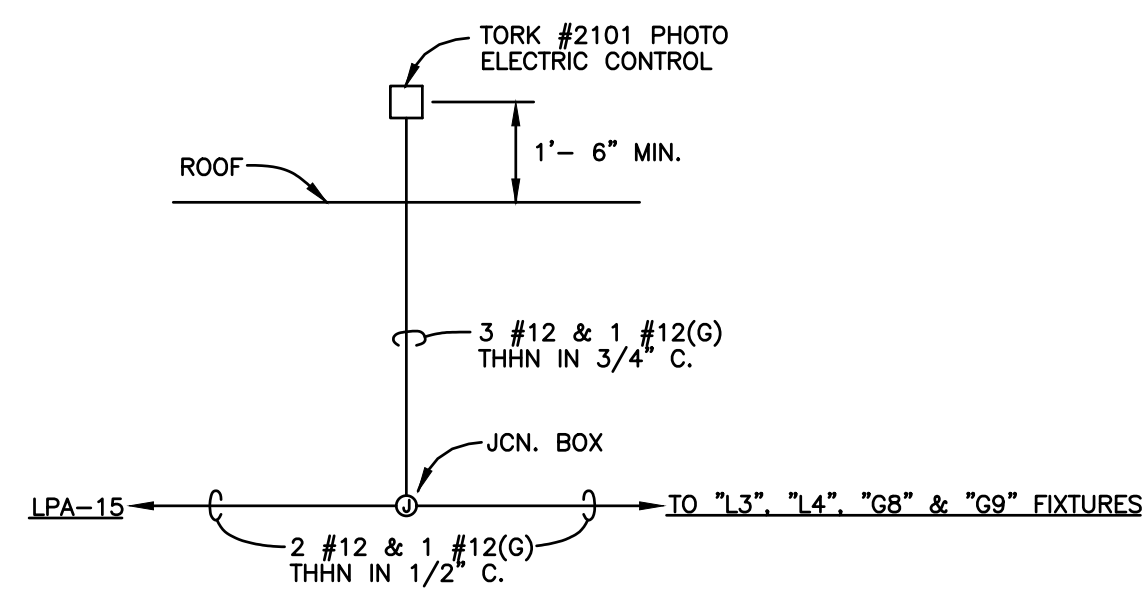
DATE:
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SHEET:

E2

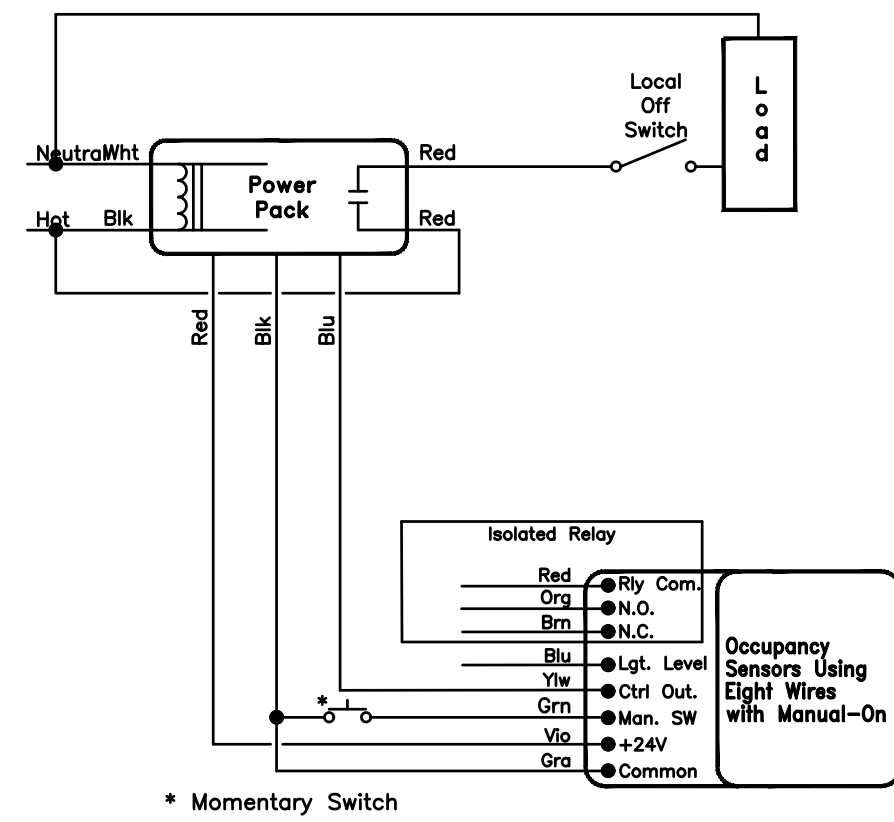


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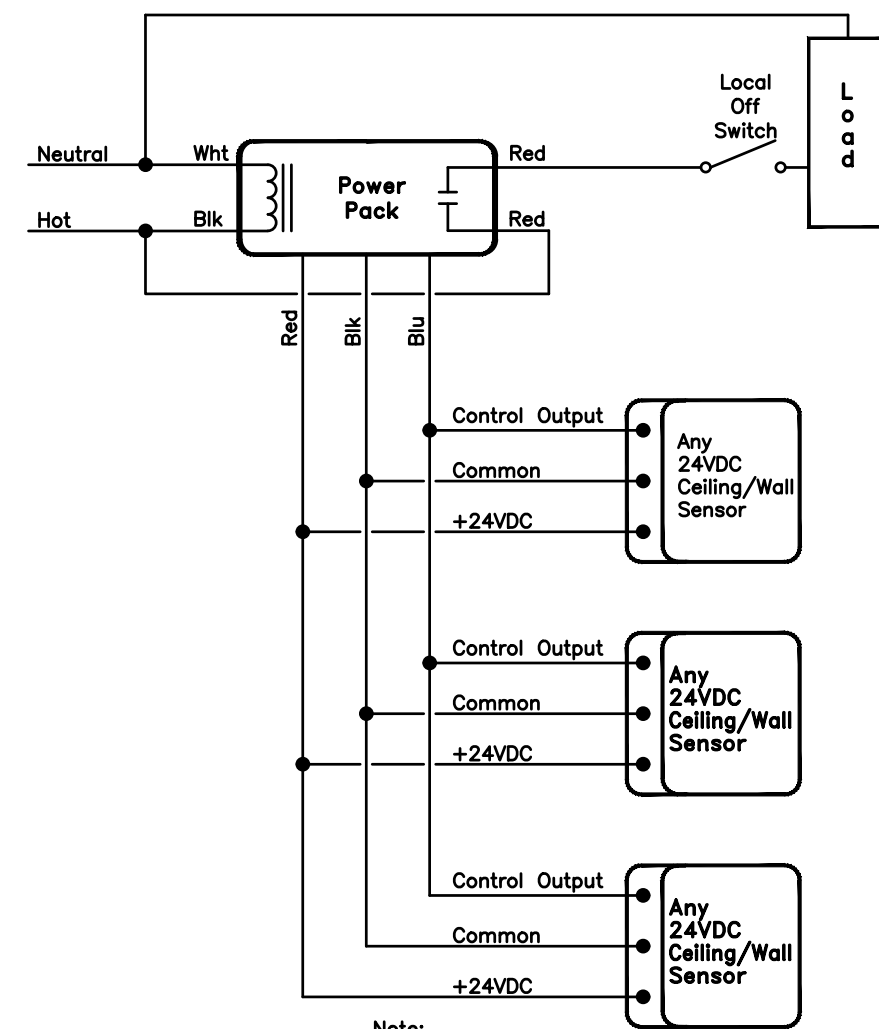
P.E. CELL DETAIL

N.T.S.



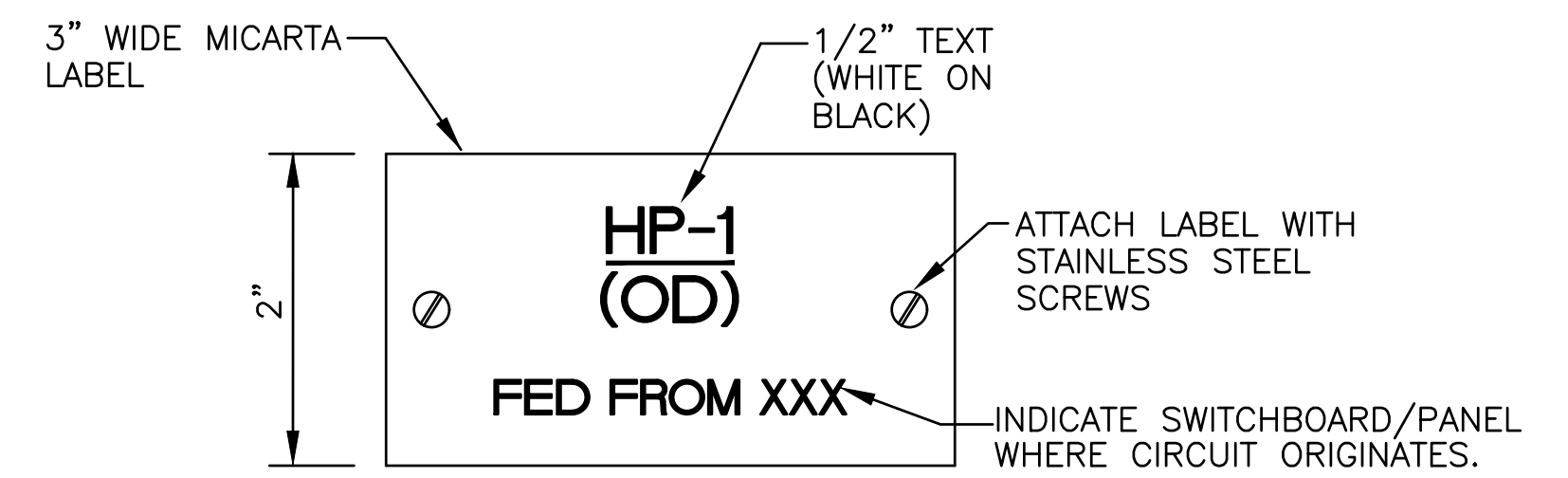
**NON-DIMMING
OCCUPANCY SENSOR
WIRING DETAIL**

N.T.S.



**OCCUPANCY SENSOR DIAGRAM
FOR MULTIPLE SENSORS ON ONE
POWER PACK**

N.T.S.



EQUIPMENT LABEL DETAIL

N.T.S. (TYPICAL)

NOTES:
1. INSTALL LABEL ON ALL DISCONNECTING MEANS FOR EACH PIECE OF EQUIPMENT.

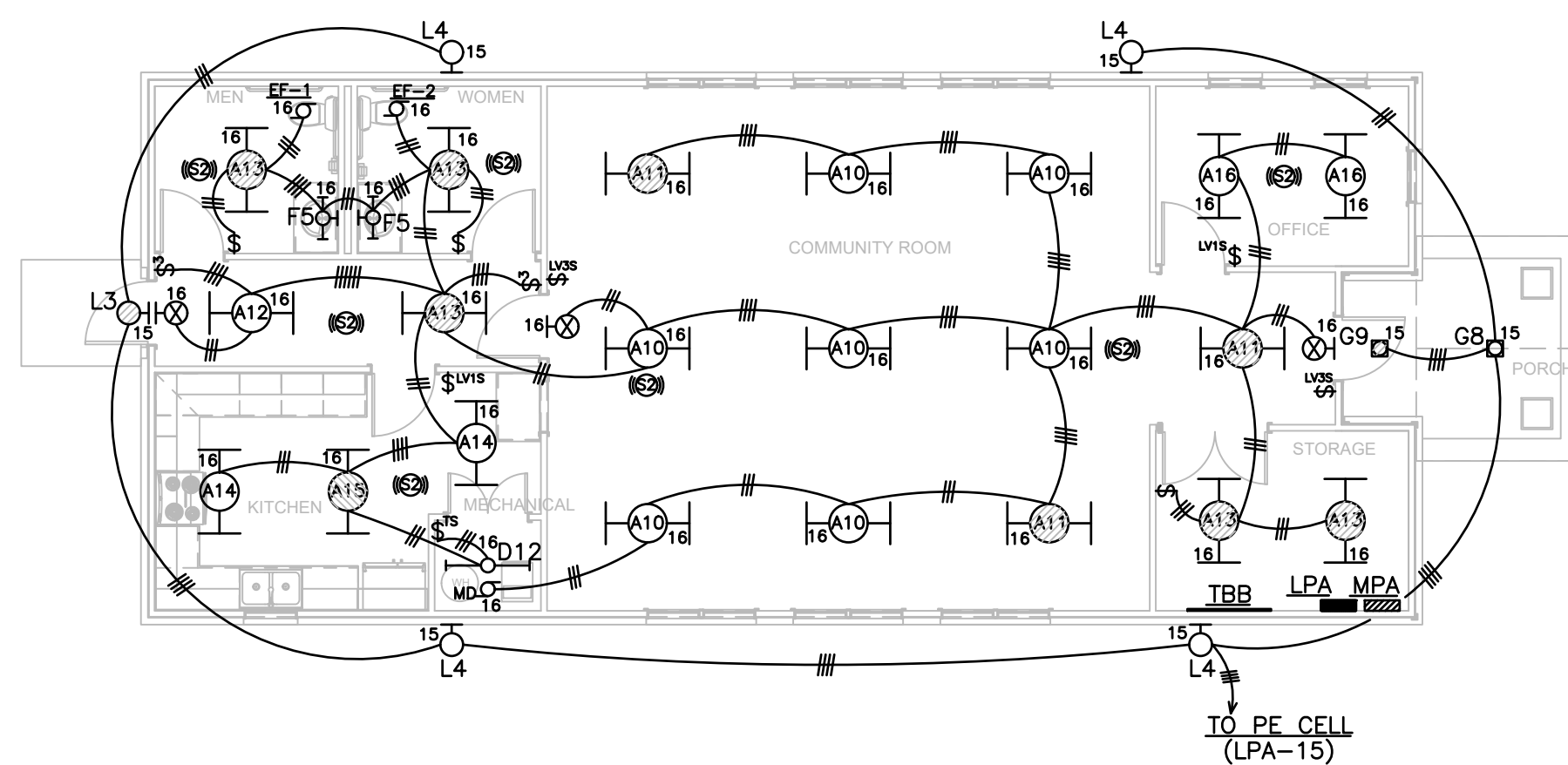
MECHANICAL EQUIPMENT CIRCUIT SCHEDULE

UNIT ID	CIRCUIT NUMBER	BREAKER SIZE	WIRE SIZE	GROUND SIZE	CONDUIT SIZE	DISCONNECT TYPE
HP-1(OD)	MPA-3,4	50/2	2 #8	#10	3/4"	60/2, F, RT
HP-1(OD)	MPA-5,6	90/2	2 #3	#8	1"	100/2, NF
DH-1	MPA-7	15/1	2 #12	#12	1/2"	TS
WEH-1	MPA-8,9	15/2	2 #12	#12	1/2"	NONE
WEH-2	MPA-10,11	15/2	2 #12	#12	1/2"	NONE
EWH-1	MPA-12,13	30/2	2 #10	#10	1/2"	30/2, NF

NF - NONFUSED
F - FUSED (FUSE PER MANUFACTURERS RECOMMENDATIONS)
RT - RAINTIGHT
TS - TOGGLE SWITCH ("WP" INDICATES WEATHERPROOF)
MRS - MOTOR RATED SWITCH
S/T - SHUNT TRIP BREAKER
DPTS - DOUBLE POLE TOGGLE SWITCH
NOTES:
1. MAINTAIN CODE REQUIRED CLEARANCES FOR DISCONNECTS.

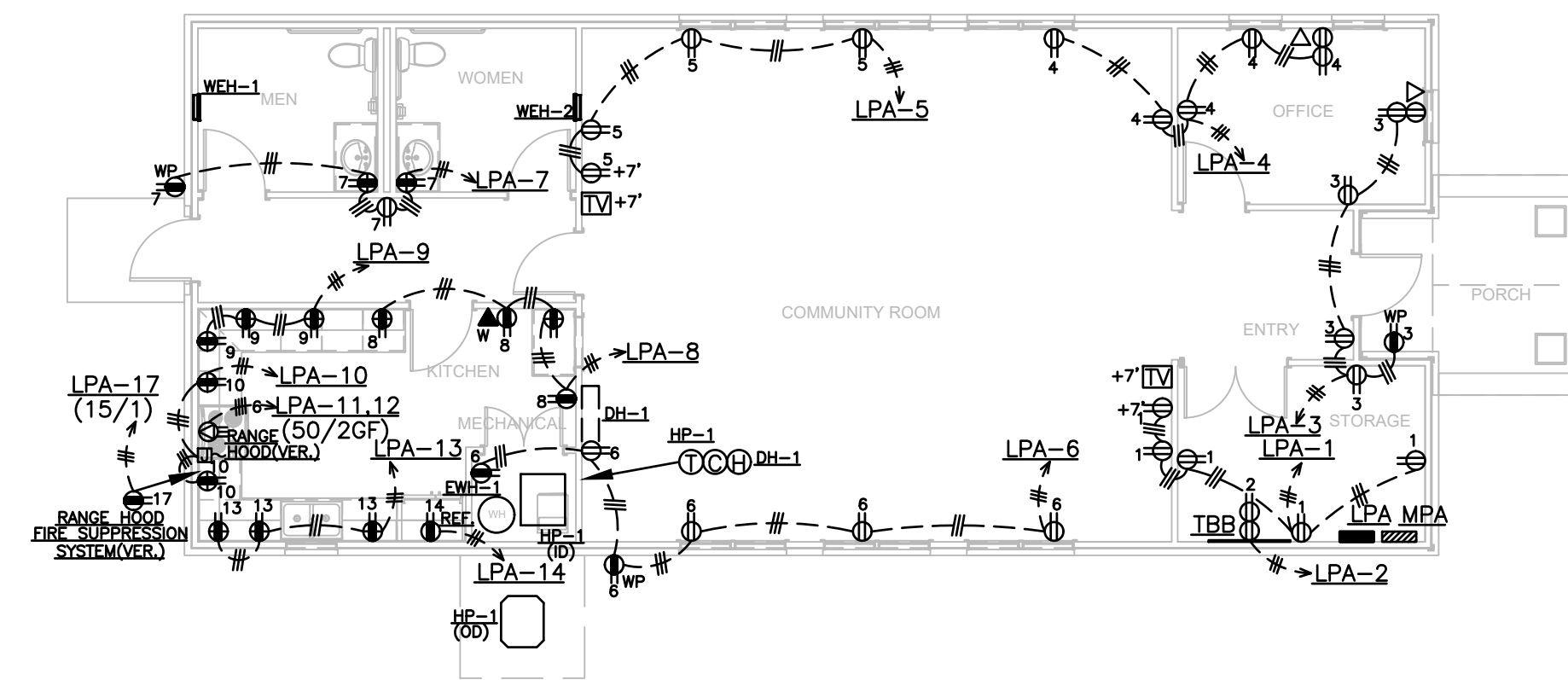
OCCUPANCY SENSOR LOCATIONS AND TYPES SHOWN ARE SCHEMATIC AND SHOULD BE VERIFIED WITH MANUFACTURER PRIOR TO BIDDING. OCCUPANCY SENSOR MANUFACTURER SHALL SUBMIT A LAYOUT OF RECOMMENDED SENSOR TYPES AND LOCATIONS PRIOR TO INSTALLATION. THE MANUFACTURER SHALL PROVIDE ALL EQUIPMENT NECESSARY TO PROVIDE COVERAGE FOR ALL ROOMS AND THE MANUFACTURER SHALL PROVIDE ON-SITE START-UP AND SENSOR ADJUSTMENTS AS NECESSARY TO ENSURE PROPER FUNCTION AND COVERAGE IN ALL ROOMS. THE TIME DELAYS FOR THE SENSORS SHALL BE COORDINATED WITH THE OWNER. THE MANUFACTURER SHALL INSTALL EITHER SLAVE RELAY POWER PACKS OR TWO RELAY POWER PACKS TO ENSURE THAT MULTILEVEL SWITCHING FUNCTIONS CORRECTLY IN EACH SPACE. CONTRACTOR SHALL ALSO COORDINATE ALL NIGHT ENABLED FIXTURES, SENSORS AND LOW VOLTAGE SWITCHES WITH THE MANUFACTURER TO ENSURE ALL CONTROLS REQUIRED TO MEET IECC 2015 ARE PROVIDED AND PROGRAMMED TO HAVE MANUAL ON, BILEVEL LIGHTING, ETC. AS REQUIRED.

NOTE:
ALL 120 VOLT CIRCUIT WIRE SIZES SHALL BE BASED UPON DISTANCE FROM PANELBOARD FEEDING THE CIRCUITS AS FOLLOWS AND THE CIRCUITS SHALL HAVE A 3% VOLTAGE DROP OR LESS:
LESS THAN 75 FEET.....#12 AWG
BETWEEN 76' AND 125'.....#10 AWG
BETWEEN 126' AND 190'.....#8 AWG



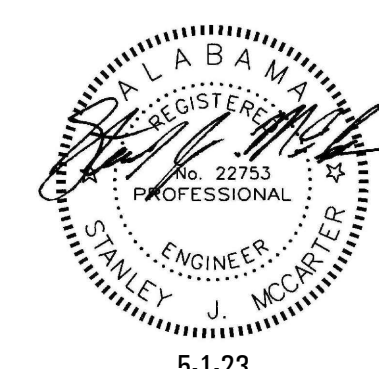
LIGHTING PLAN

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



POWER AND AUXILIARIES PLAN

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



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STATE OF ALABAMA
REGISTERED ARCHITECT
2646
STYVEN P. TAYLOR
ANNISTON, ALABAMA

Norwood Community Center
Anniston Housing Authority
Anniston, Alabama

Number	Date	Revised BY	Description

Lighting,
Power and
Auxiliaries
Plans and
Details

TDA 445

DATE:
5/1/2023

SHEET:

E3