

**GENERAL NOTES**

1. General Requirements:
  - A.1. American Institute of Architects Document A201 (General Conditions of the Construction Contract) is to be a part of this construction contract.
  - A.2. General Contractor ("GC") is to furnish all labor, materials, equipment, and supplies for a complete installation for this Project. Work is to be installed in a first-class, timely, workmanlike manner, useable for the intended purpose. Contractor is to be responsible for all required permits, licenses, rentals, royalties. GC is also to pay all fees, tap-on fees for services, and similar fees.
  - A.3. General Contractor is to comply with SBCCI Standard Building Code, current ed.; OSHA, requirements by the Building Official; and all applicable codes and ordinances.
  - A.4. GC and individual subcontractors are to provide insurance as required by A.I.A. General Conditions and as recommended in guidelines of Alabama Building Commission.
  - A.5. Design of electrical, plumbing, and HVAC systems are to be by the GC's respective subcontractors, unless noted otherwise. All designs are to comply with SBCCI Standard Codes, industry standards, and requirements of the Building Department. GC is to verify and provide all drawings required by the Building Official unless noted otherwise.
2. General Job-Site Requirements.
  - 2.A. GC is to verify dimensions and existing site conditions, including existing and/or underground utilities, easements, setbacks, etc., prior to beginning work. G.C. verify that environmental assessment has been completed and coordinate/comply with any recommendations. G.C. is to verify existing field conditions and municipal requirements prior to completing Proposal for this Contract.
  - 2.B. GC is to field-verify destinations for sewers. Coordinate building drains with new and existing sewers. Verify requirements by County Health Dept. and/or Sewer Authority, and coordinate work in this Contract with existing and proposed drain systems.
  - 2.C. GC is to install wood barricades per OSHA to protect existing occupants and adjacent occupants, property, and rights-of-way.
  - 2.D. Periodic cleanup is to be coordinated with and acceptable to Owner.
  - 2.E. At demolition work, if any, G.C. is to verify locations of existing structural elements and all existing utilities. All utilities affected by demolition work in this Contract are to be capped, cut-off, and/or disconnected prior to beginning work in compliance with Utility Provider, OSHA, and SBCCI codes. Brace, shore, and install barricades, dust sheeting, etc. per OSHA.

At existing structures, if any suspected hazardous substance is observed, including asbestos, work is to be discontinued IMMEDIATELY and the Owner is to be advised, in order that the Owner can authorize testing by a qualified testing laboratory and any toxics removed in compliance with applicable standards.
3. General Construction requirements.
  - 3.A. GC is to provide new, first-class materials, secured to substrate per mfr's instructions, industry standards, and applicable codes for commercial work, for a complete, functioning installation. Materials specified or noted on the Drawings are intended to establish a minimum level of quality. Products equal to or exceeding those shown are allowed if approved by Owner before installation. G.C. is to guarantee that workmanship and materials are free of defects for one year after Owner's acceptance.
  - 3.B. Concrete is to be 3000 P.S.I. min bearing capacity and as noted otherwise.

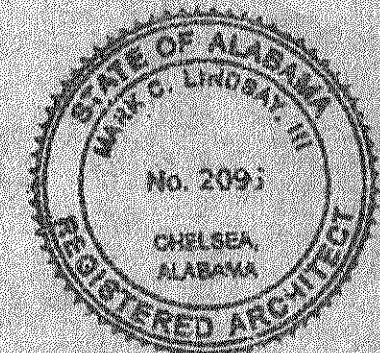
- 3.C. GC is to verify metal stud gauge with mfr's recommendations for indicated usage and in compliance with S.B. Code.
- 3.D. GC install wood blocking secured to studs at all wall accessories, per mfr's instructions and industry standards.
4. G.C. is to furnish testing of concrete, steel structure, etc., and as required by the Documents. Where Geotechnical Engineering is required in the Documents, GC is to provide those services and comply strictly with geotechnical engineer's recommendations for soil borings, testing, compaction, etc. Services are to be provided by a firm equal to Bhatte Eng., Gallet and Assoc., Ground Eng., and TTL.
5. Flashing and water resistance.
  - 6A. G.C. verify that all exterior connections at building cladding and flash for watertight condition. Caulk all joints at different materials and at different assemblies, except per mfr's instructions. Install siding and roofing joints per mfr's instructions.
  - 6B. G.C. verify that wall cavity at masonry veneer is clear to weeps. Verify that vapor barrier is installed per industry standards and does not trap moisture. G.C. verify that sheathing is installed such that it does not retain moisture. G.C. verify industry standards and recommendations for permeability levels of sheet vapor barrier.
6. General Note for finishes, equipment locations, pit construction: GC verify finishes, equipment locations with Calera Unit. Coordinate with Charles Matsos and Vic Wiggins. See General Notes for masonry pit. Coordinate with Bresco, Project Equipment supplier for equipment items.
7. IN CASE OF DISCREPANCY IN THE DOCUMENTS, G.C. ADVISE ARCH. FOR CLARIFICATION.
8. G.C. HOLD PRE-CONSTRUCTION CONFERENCE, TO BE ATTENDED BY ARCHITECT.

**BUILDING CODE ANALYSIS**

1. Existing zoning.
2. Project description: 1-story barbecue restaurant with small-town architectural theme.
3. Area, not including pad-mounted prefabricated walk-in cooler/freezer: 4,473-S.F. Gross, 1-story. Seating per SBC Table 1003.1 is 153 total.
4. Occupancy: Group A, Small assembly without stage.
5. Type of construction: Type VI, unsprinklered, unprotected (5,000SFG, 1-story, 40' height allowed per Table 500).
6. Exits: 3 exits distributed approx. uniformly, 2 at Dining, 1 additional at Kitchen.

**INDEX OF ARCHITECTURAL DRAWINGS**

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| A3 | Exterior Elevations  |
| A4 | Building Section; Details  |
| A5 | Schedules; Typical Toilet Details  |
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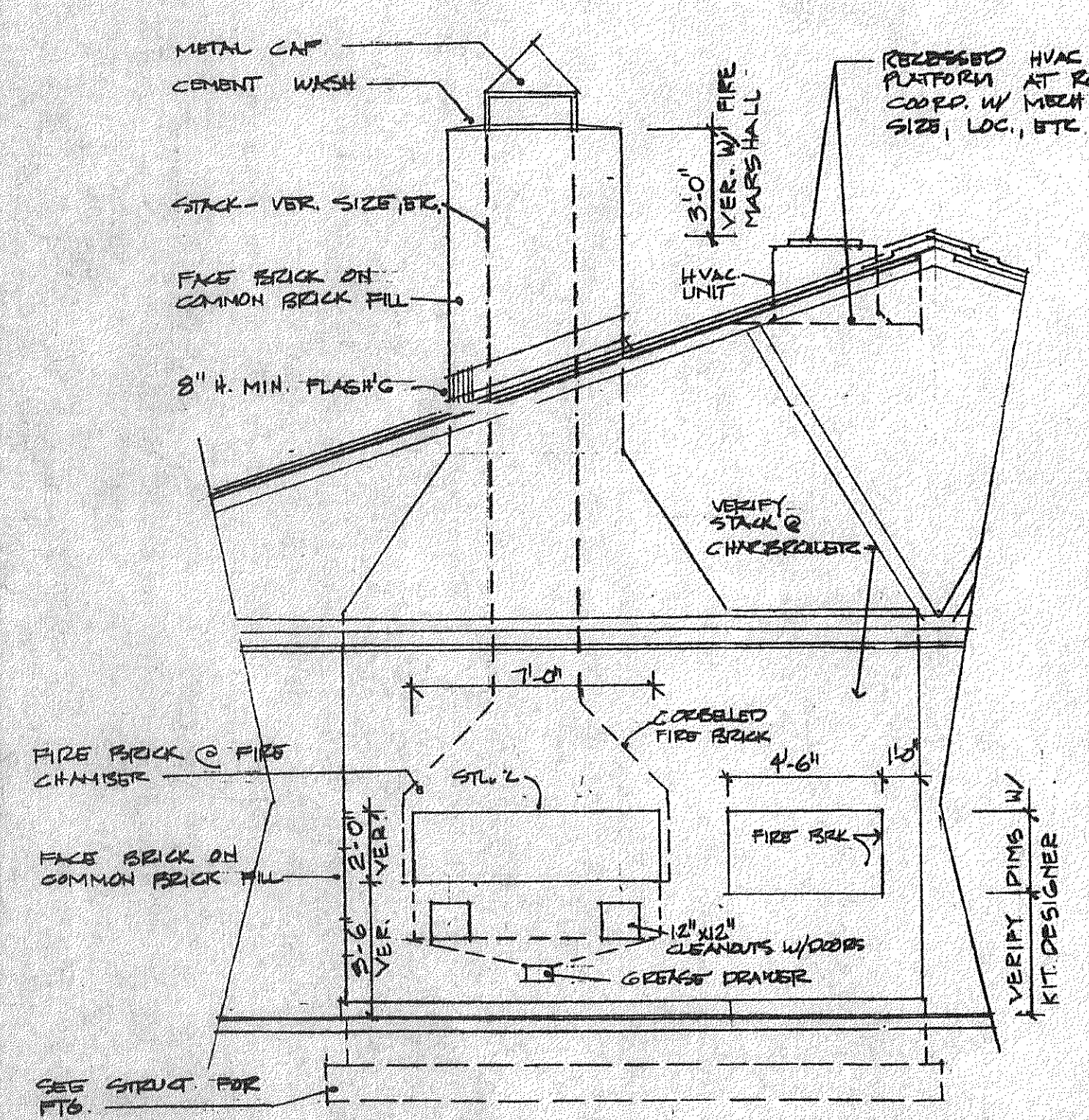


MARK LINDSAY,  
ARCHITECT, P.C.  
2907 CRESCENT AVE.  
HOMEWOOD, AL  
35209  
(205) 879-0045

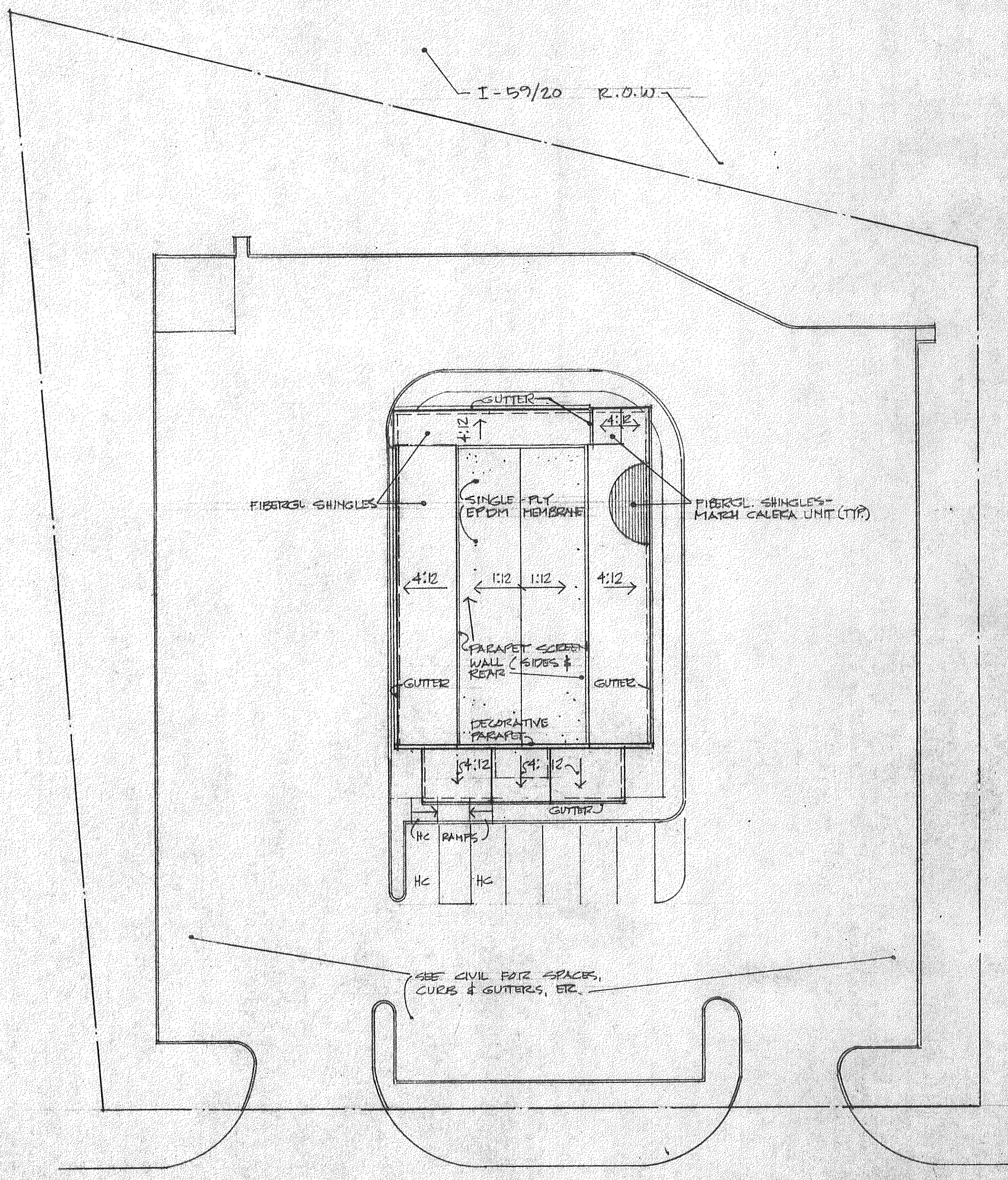
A Restaurant for  
**Golden Rule Barbeque**  
Academy Drive  
Bessemer, AL

DATE  
11-22-02

SHEET NO.  
A1 OF 6

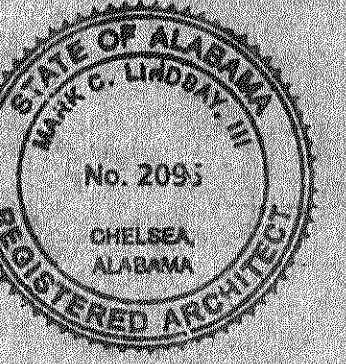


- Masonry Pit Notes**
1. Design and construction of masonry pit is to be performed by Golden Rule Inc's pit subcontractor. Installer is to verify that pit draws properly and complies with applicable codes. Installer is to review and verify compliance with industry standards, incl NFPA 211 "Chimneys, Fireplaces, Vents". Installer is to advise Franchisee of maintenance requirements, schedule, tools required, etc. Work is to comply with Std. Bldg. Code Sections 2804, 2113, and 2114. Verify chimney height and construction with Fire Marshall. Construction observation is to be by installer and Fire Marshall. Field test pit w/ Mech Engineer and HVAC installer to verify drawing, smoke venting, etc.
  2. Pit is to be faced with glazed brick. Interior pit is to be faced with corbelled fire brick, with common brick infill, sloped smoke shelf, etc. Masonry is to be solid. Stack is to draw air without mechanical ventilation, etc.
  3. Install nominal 33" x 1/4" welded steel stack with 1/4" steel damper with chain. Stack size, height, and tie-in to structure is to be designed by chimney installer w/ applicable codes, etc.
  4. Flash chimney into roof. Extend stack above roof as required by SBCode and Fire Marshall. Install metal chimney cap secured to chimney. Verify that chimney height and location is coordinated with hood exhaust and HVAC units and that smoke is not to enter makeup air under normal conditions.
  5. Wood framing and structural members of all types are to be 2" clear of chimney. Verify clearance with Fire Marshall.
  6. Install mfr's standard cast iron (verify) 12" x 12" pit doors and mt. grease drawer at bottom. Match existing at Calera Unit.



**SITE PLAN / ROOF PLAN 1"=20'**

1. DATA TAKEN FROM CIVIL SITE PLAN BY SPENCER ENGINEERING, INC. 12-11-02
2. SEE CIVIL ENG. DRWG. FOR SITE ITEMS



MARK LINDSAY,  
ARCHITECT, P.C.  
2907 CRESCENT AVE.  
HOMEWOOD, AL  
35209  
(205) 879-0045

Bessemer, AL

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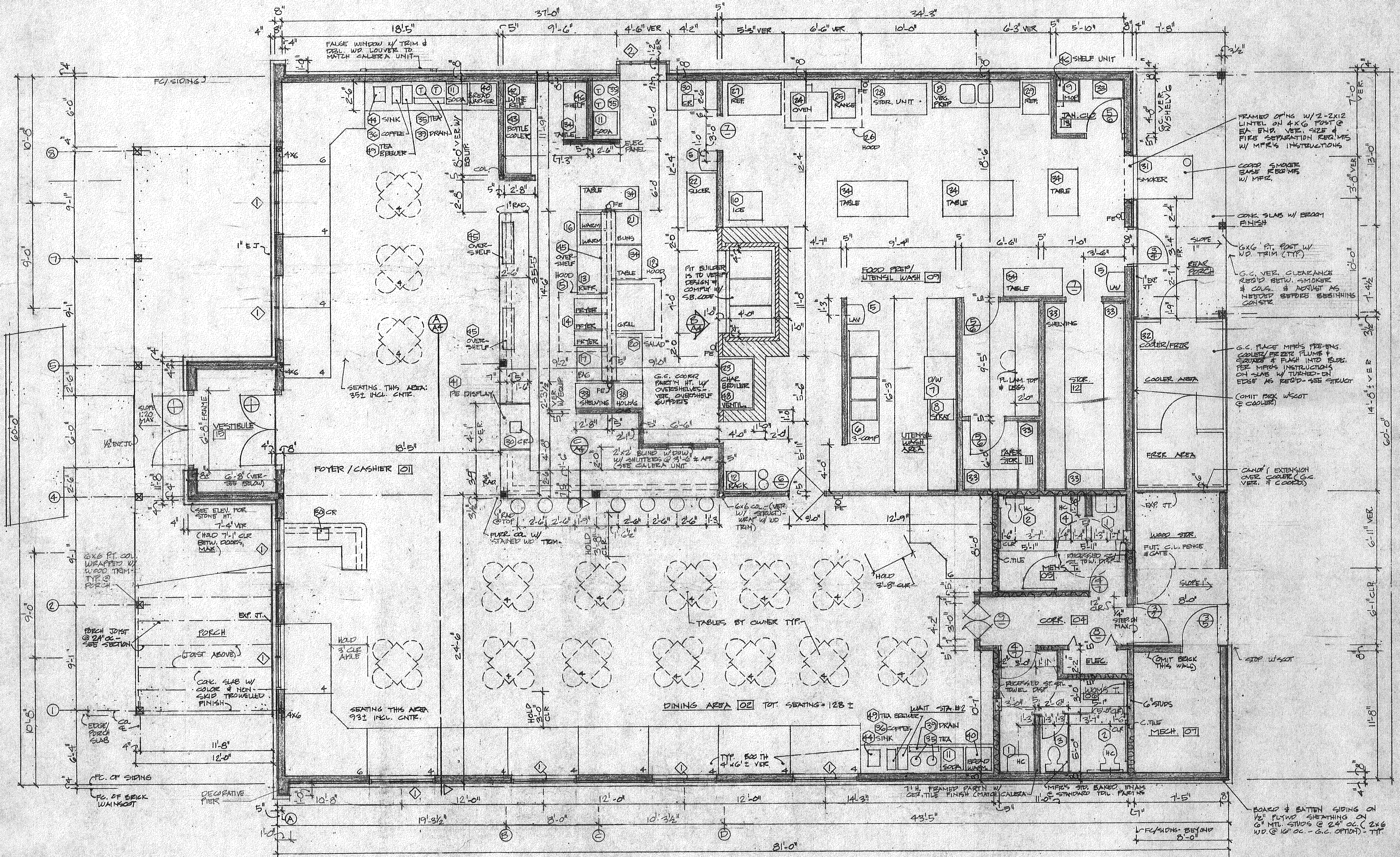
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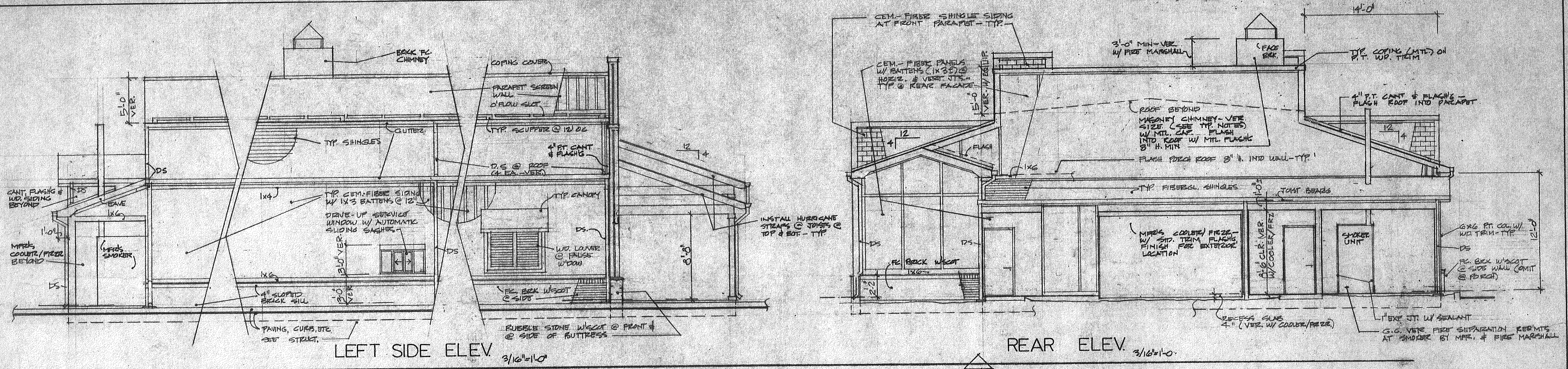
LEGEND

- Framed exterior bearing wall with siding on Flywood, sheathing on 6" metal studs at 24" O.C. (2x6 w/ studs at 16" O.C. is G.C. option)
- Drywall construction with 5/8" gypsum board on 3 5/8" x 25 ga. metal studs at 24" O.C. at interior non-bearing partitions and 4" x 25 ga. mt studs at non-bearing wet walls, typical. Secure studs to structure at top and bottom
- R-11 fiberglass batt sound insul. at drywall partition
- Door type
- Frame type

- Window type
- Equipment/plumbing fixture type
- Toilet room accessory type
- Detail number
- Sheet number
- 10 lb ABC Fire extinguisher

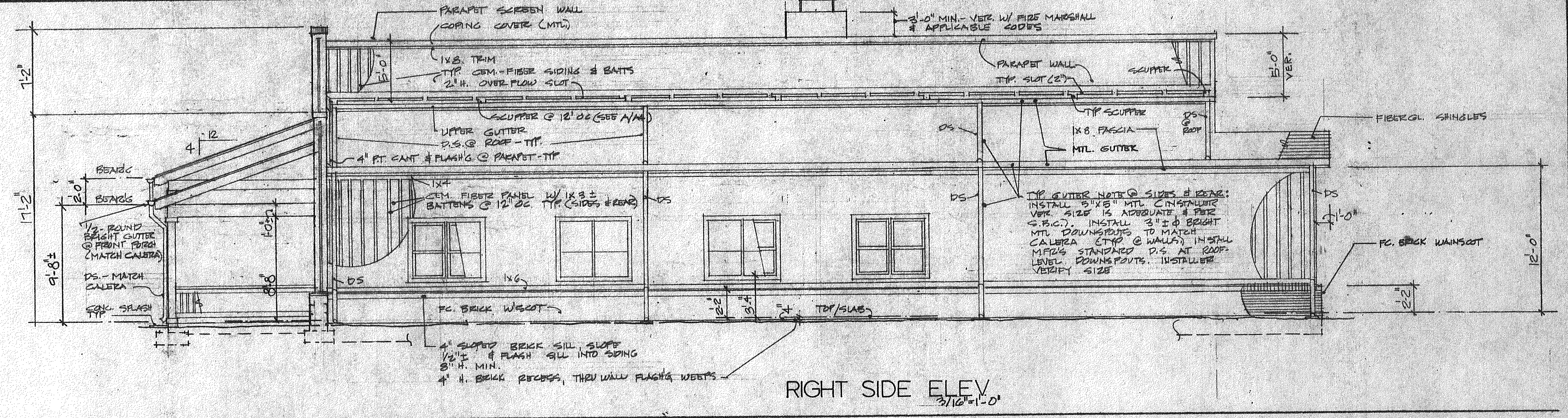


FLOOR PLAN 1/4" = 1'-0"

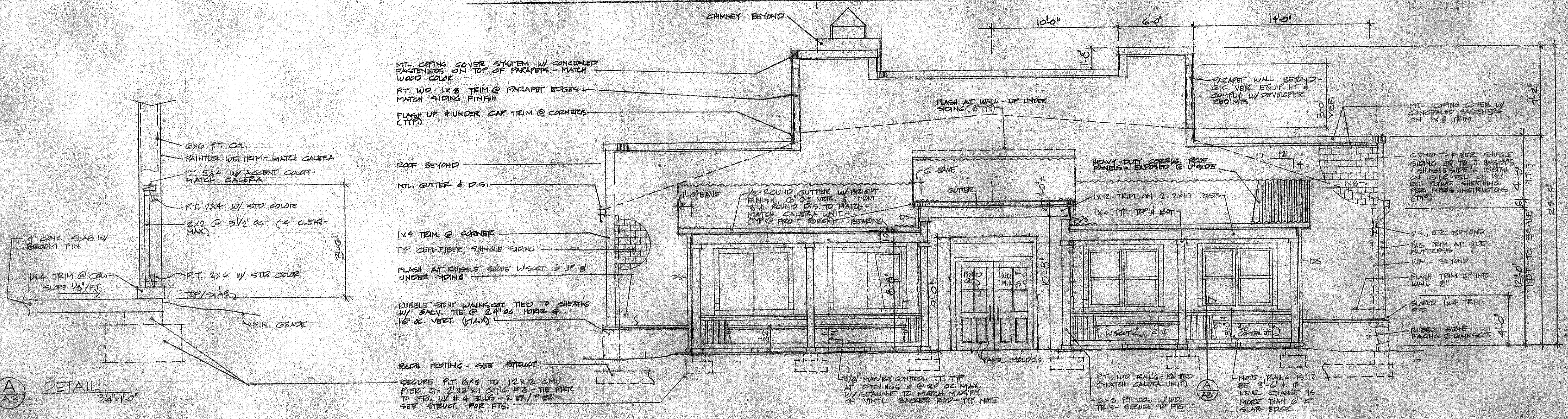


LEFT SIDE ELEV. 3/16\"/>

REAR ELEV. 3/16\"/>

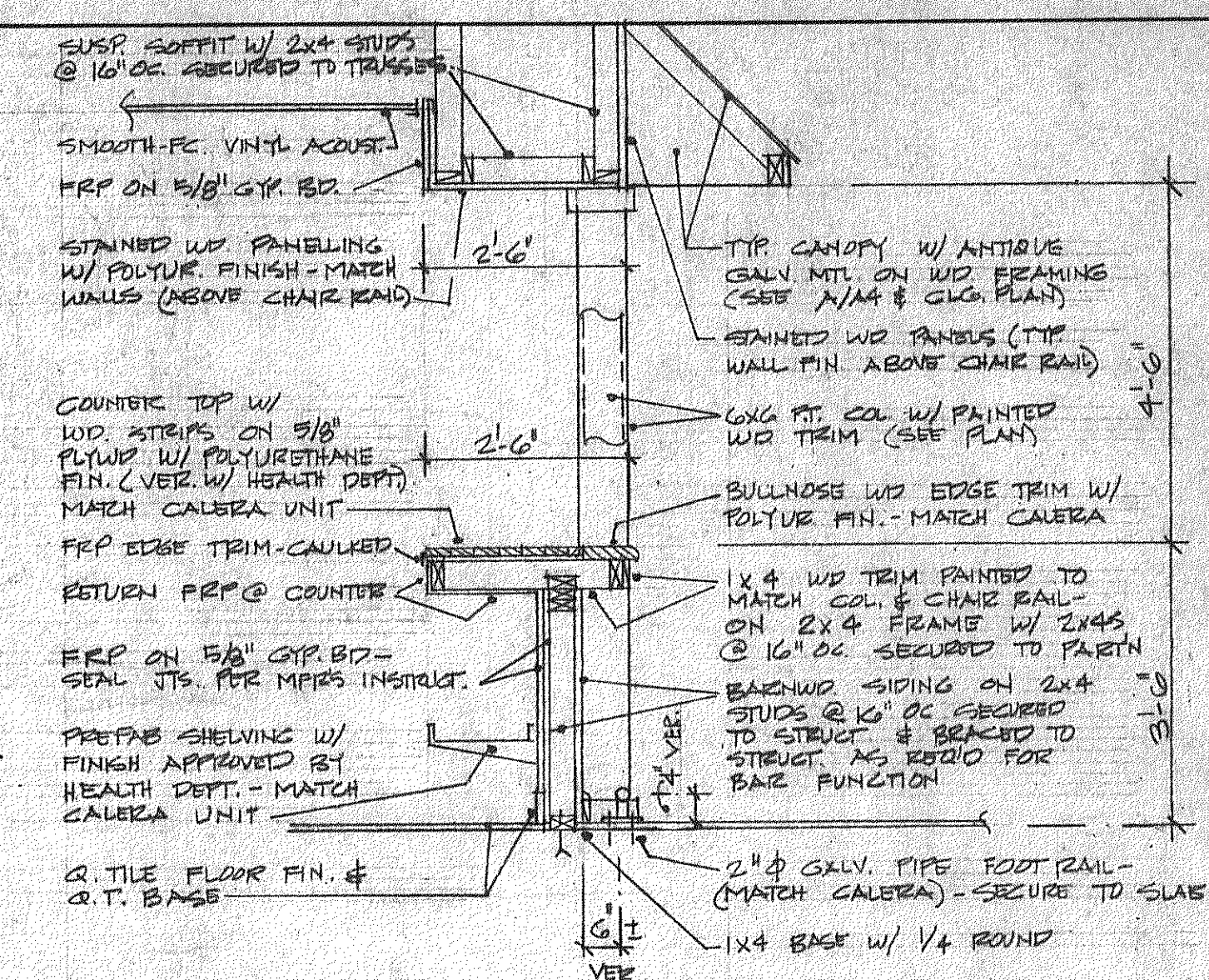


RIGHT SIDE ELEV. 3/16\"/>



FRONT ELEVATION 1/4\"/>

A3 DETAIL 3/4\"/>



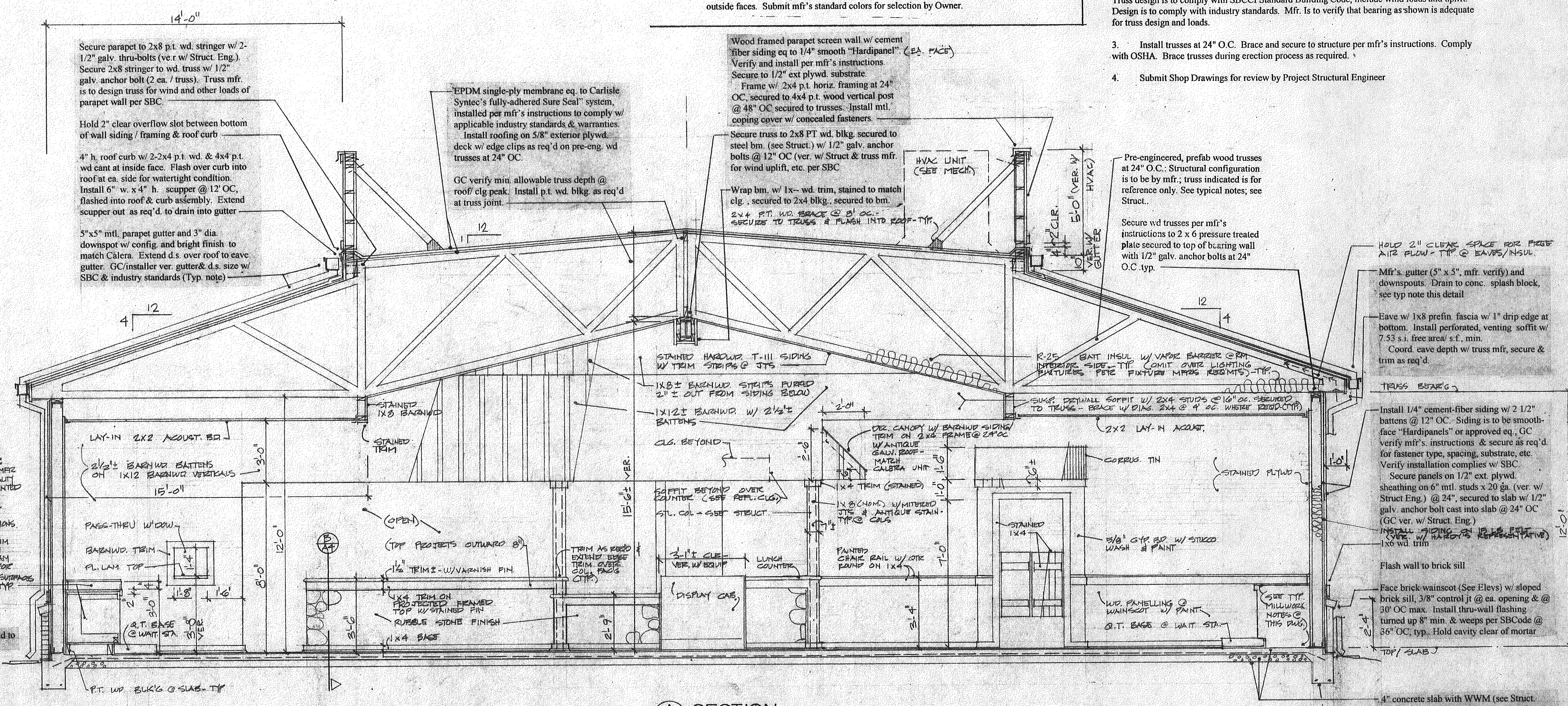
**MILLWORK NOTES**

1. Install mfr's standard millwork with APPROVED finish on wood substrate. Cases are to be secured to wood blocking secured to structure. Millwork installer coordinate with GC for blocking locations. Caulk all joints at adjacent finishes. All surfaces are to receive a finish. Door and drawer fronts are to be flush with case. Stiles and rails are to be nominal 2".
2. Product is to be commercial quality in compliance with industry standards, adequate for indicated use. Install plumb, square, and true. Coordinate with plumbing design.
3. Install hardware of commercial type. Pulls are to be stainless steel, horiz bar type, with concealed fasteners. Install concealed hinges. Drawer slides are to be heavy-duty commercial quality. Submit door and drawer pulls for selection by Owner.
4. Where millwork with plastic laminate finish is noted, install product at inside and outside faces. Submit mfr's standard colors for selection by Owner.

**(C) COUNTER DETAIL**  
1/4" = 1'-0"

**Typical Notes for Pre-Engineered Wood Trusses**

1. Wood trusses are to be pre-engineered, prefabricated by manufacturer equal to Bama Truss, Inc., R and S Truss, Inc., or equal. Configuration is to be by mfr.; framing shown on Drawings is for reference only.
2. Trusses are to be designed by mfr's structural engineer, licensed in the State of AL. Truss design is to comply with SBCCI Standard Building Code, include wind loads and uplift. Design is to comply with industry standards. Mfr. is to verify that bearing as shown is adequate for truss design and loads.
3. Install trusses at 24" O.C. Brace and secure to structure per mfr's instructions. Comply with OSHA. Brace trusses during erection process as required.
4. Submit Shop Drawings for review by Project Structural Engineer



MILLWORK @ TIP WAIT STATION! FIELD BUILT OR BY MILLWORK MFR W/ STAINED COMMERCIAL - QUALITY CASE, W/ FRONT FINISH W/ PAINTED PANELLING TO MATCH W/ SCOT. MATCH CALERA UNIT. INSTALL OPENINGS & SUPPORT FOR EQUIP. PER BBSB'S INSTRUCTIONS. INSTALL 4" x 4" (VER. SIZE) CER. TILE TOP & SPLASH & TRIM W/ 1/2" ROUND WOOD. MATCH CALERA UNIT. INSTALL PL. WAIN OR OTHER FINISH PER CODES FOR HEALTH DEPT. AT ALL EXPOSED SURFACES INSIDE & OUTSIDE OF CASE - TYP.

Return d.s. as req'd. at wainscot. Extend to conc. splash at grade.

**(A) SECTION**  
3/8" = 1'-0"

ROOM FINISH SCHEDULE

Table with columns: NO., NAME, FLOOR, BASE, WALLS, WAINSCOT, CEILING, CLG. HT., H.M. REQS, SPECIAL FINISH, NOTES. Includes rooms like FOYER/CASHER, DINING AREA, CORRIDOR, MEN'S TOIL, WOMEN'S TOIL, MEET. RM., KITCHEN/PIT AREA, FOOD PREP/UTEN. WASH, MANAGER'S OFFICE, PAPER STOR., SIDR., JAN. CLO., COOLER/PREZ., VESTIBULE.

FINISH NOTES

- 1. General requirements: A. Submit mfr's standard colors and textures for selection by Owner. B. Prepare substrate and install product per mfr's instructions. C. G.C. comply with AL State Board of Health requirements. 2. Floor Finishes: (SEE NOTE 9 FOR WOOD FLOOR). A. Vinyl composition tile (VCT) is to be asbestos-free and by Armstrong or equal mfr. Product is to be 12" x 12", slip-resistant. B. Install clear sealer at exposed concrete. C. Quarry tile flooring where noted is to be slip-resistant, by Armstrong or equal mfr. Install per Tile Council of America's Method F-115, epoxy or furan grout, or other TCA method recommended for food service areas. Comply with requirements for preparation, installation, etc. 3. Base: A. 4" rubber base is to be by Roppe, Inc. B. Quarry tile base is to match floor tile. C. 1x4 wood @ 1/4 ROUND BASE IS TO BE PAINTED TO MATCH CALERA. 4. Walls: A. Typical painted finish: A.1. General: At areas to receive paint, caulk all joints and fill all holes and irregularities. Completed paint texture is to be uniform; touch-ups are to match adjacent areas or entire wall is to be repainted. Install prime coat plus two finish coats per mfr's instructions. A.2. Install mfr's standard semi-gloss enamel where paint is noted at schedule, incl. hollow metal doors and frames and painted gyp. bd. wainscot. B. Fiberglass reinforced panels are to be "Standard Structoglas" by Sequentia, Inc., or equal. Install panels per mfr's instructions on 5/8" water-resistant gyp bd with joint strips. Caulk at base, corners, ceiling, connectors, etc. as req'd by mfr. Submit samples and colors for selection by Owner. 5. Wood chair rail is to be 1x4 wood w/ 1/4 ROUND - PAINT TO MATCH CALERA UNIT. MOUNT TOP OF 1x4 @ 36" H. @ UNDERSIDE HT. OF WINDOW SILL. 6. Ceilings: A. Standard lay-in acoustical board is to be 2x2, equal to Armstrong's "Cortega", medium texture. Metal grid is to be by Donn, white color. Verify with Reflected Ceiling Plan. B. At raised ceiling install 2x2 acoust. bd. and grid with flat-black color. Lay R-13 batt insul. over ceiling tiles as shown; omit at lighting fixtures. Comply with lighting mfr's instructions. C. Install lay-in acoustical board with white vinyl finish and no texture at food service areas as noted. Comply with Health Dept requirements. 7. Special finishes: A. Plastic laminate is to be by Formica, Wilsonart, or equal, solid color. B. Electrical cover plates are to be stainless steel at customer areas. 8. G.C. VERIFY ALL FINISHES W/ FIELD VISIT TO CALERA UNIT & COORD. W/ VIC WIGGINS. 9. G.C. INSTALL WOOD FLOOR SECURED TO SLAB WHERE INDICATED. MATCH CALERA UNIT. VERIFY MFR'S INSTRUCTIONS & COMPLY STRICTLY. INSTALL EXPANSION JOINTS AS NOTED. COORD. W/ VIC WIGGINS FOR PRODUCT, PRODUCT CHARACTERISTICS, ETC.

DOOR AND FRAME SCHEDULE

- 1. Pair of 3'-0" x 7'-0" wd. and glass DECORATIVE DOORS & W.D. FRAMES. See exterior elev. MATCH CALERA UNIT. 2. OMIT 3. 3'-0" x 7'-0" exterior hollow mtl door and frame, primed for paint 4. 3'-0" x 7'-0" solid core wood door, birch with transparent stain (verify price and other wood selections with Owner), in hollow metal frame primed for paint. 5. 3'-0" x 7'-0" interior hollow mtl. door and frame, primed for paint. 6. 3'-0" x 7'-0" swing-type alum door and mfr's frame, complete unit with hinges, view window, push plate, etc. # 1X4 W.D. TRIM @ DINING SIDE. 7. 3'-0" x 7'-0" hollow mtl cased opening, primed for paint. 8. PAIR OF 2'-0" x 7'-0" (OR 6'-0" - VERIFY) BIFOLD MTL. DOORS W/ MFR'S HARDWARE, SLIDERS, ETC. & FLOOR STOPS - COMPLETE UNIT. 9. PR. OF SWING-TYPE CAFE DOORS IN 2' x 7' FRAMED OPNS W/ W.D. FRAME (STAINED). DOORS ARE TO BE 3'-0" H. - PLUSTIC TYPE W/ 1x4 SLATS & PR. 1x4 BRACES & EXPOSED GALV. SPRING HINGES.

DOOR AND FRAME NOTES

- 1. Installer verify that opening complies with door mfr's instructions before beginning work. Shim, level, and secure frame to opening with mfr's anchors. Verify that swing is free and operation is smooth, ready for intended function. 2. Caulk joint at frame perimeter, both sides. 3. Doors and frames are to be mfr's standard commercial quality, adequate for indicated functions and in compliance with Std. Bldg. Code and industry standards.

HARDWARE SCHEDULE

- 1. Fire exit hardware (not panic, verify) with cylinder lockset by entrance mfr. to comply with SBC Para. 1019.7.1; 3 prs of butt hinges by entrance mfr.; closer by entrance mfr.; weatherstripping; threshold; BRASS KICK PLATE. 2. Fire exit hardware at h. m. door/frame (not panic, verify) with cylinder lockset per SBC Para. 1019.7.1; 1 1/2 prs. of butt hinges; closer; weatherstripping; threshold; stainless steel kickplate at interior face. 3. Cylinder by entrance door mfr for security lockset; 1 1/2 prs of entrance mfr's hinge; mfr's closer; round bar type push/pull; thresh; weatherstripping. 4. Exterior cylinder security lockset; 1 1/2 pairs of 4 1/2" interior butts; silencers; wall stop; st. steel kickplate at both faces (EXIT HARDWARE). 5. Same as type 4, except omit kickplates. 6. Interior security lockset; 1 1/2 prs of butt hinges; silencers; wall stop. 7. Passage latchset; 1 1/2 prs of butt hinges; closer; silencers; wall stop.

HARDWARE NOTES

- 1. Hardware supplier is to be certified hardware consultant, Hardware Services, Wagstaff Taylor, or equal. Supplier is to verify sets and comply with SBCCI Standard Bldg. Code and ADA. 2. Install hardware per mfr's instructions, plumb, secure, square, with adequate cover plates, for smooth operation, ready for indicated use. 3. Hardware is to be commercial quality, adequate for indicated function. All door operators are to be lever handles, to comply with ADA. Thresholds are to comply with ADA. Cover plates are to be adequate to cover all cuts and voids at surface. 4. Hardware consultant is to verify master keying requirements with Owner.

WINDOW SCHEDULE

- 1. 5'-7" W. X 4'-11" H. WINDOW UNIT W/ PAIR OF DEL-HUNG SAFES, DEL-GLAZED, W.D. FRAME, RESIDENTIAL-TYPE TO MATCH CALERA STORE. 2. 4'-6" w ± projected drive-up window with remote menu and order system. Window is to be "Bump-out No. 10" by Ready Access Corp. Supplier is to submit product data to Owner to verify type. G.C. is to rough-in conduit, etc. from pass-through window to menu board and speakers. MATCH CALERA STORE.

WINDOW NOTES

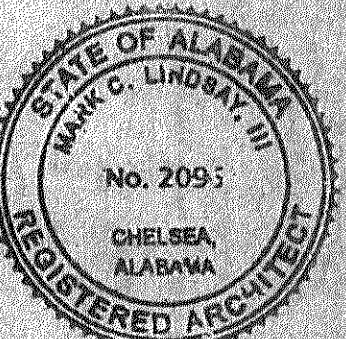
- 1. Units are to MATCH CALERA EDGE. Adequate for the indicated function. Glazing is to be clear glass, type and thickness as required by the S.B.C. Frame is to be clear anodized alum. (verify frame finish with Owner before placing order). 2. Flash at head and sill per mfr's instructions. Shim and install units level, plumb, and secured to opening per mfr's instructions. Caulk perimeter of frame at both faces.

EQUIPMENT NOTES

- 1. General: A. General Contractor verify the supplier of each item. B. G.C. obtain product literature for each item adequate for coordination, utilities, and installation. C. Verify required utilities. Verify mounting heights, general requirements, types of drains, clearances for each item, etc. verify interface with work by equip. supplier. D. Install, secure equipment, and connect to utilities per mfr's instructions, SBCCI Standard Codes, and industry standards. 2. Requirements at food service equipment: A. Comply strictly with Alabama State Board of Health requirements for Food Service Establishments. B. G.C. coordinate with Equipment Supplier. Verify dimensions, clearances, mounting heights, etc. at food service equipment with Equipment Supplier. Verify floor sinks, sizes, clearance, etc. C. G.C. verify and coordinate openings at millwork. install blocking secured to studs' structure as required by mfr.

EQUIPMENT SCHED. INCL. PLUMB & FOOD SERVICE

Table with columns: ITEM, NAME, QUANTITY, SUPPLIER, MOUNTED LOCATION, HOT H2O, COLD H2O, DRAIN, GAS, POWER, NOTES. Includes items like H.C. ACCESSIBLE LAV., STANDARD W.C., URINAL, LAVATORY W/ TOWEL & SOAP, 3-COMP. SINK, DASH WASHING UNIT, VES. PREP UNIT, FIBERGLASS MOP SINK, ICE MAKER, SOUP DISP. W/ UNDER-FLOOR COUNTER, SOUP PAK W/ 20 TANKS (20) & REFRIG., FRYER, FRYER HOOD, WARMER UNIT, FRY BAGGING UNIT, HOOD & GRILLE W/ ANSEL SYS., GRILLE (MERT), SALAD UNIT, BUN GRILLE, SLICER, CHARBROILER, OVEN #2, RANGE, RANGE HOOD W/ ANSEL SYS., REFRIG. - 2 DOOR, REFRIG. - 1 DOOR, CASH REG., SMOKER, PREP COOLER/FREEZER, SHELVING - VARIOUS LENGTHS, ST. STL. TABLES - VARIOUS SIZES, TEA URN, COFFEE UNIT, ANSEL FIRE SYS. C.P.T., HOLDING CAB., COUNTER - MTD DRAIN, BREW WARMER, PIE DISPLAY, WINE REFRIG., BOTTLE COOLER, SERVICE SINK, OVERSHELF W/ HEAT LAMPS, WALL SHELF UNIT, PRE-RISE SPRAY UNIT, VENTILATOR W/ FIRE SUPP. SYS., TEA BREWER.



MARK LINDSAY, ARCHITECT, P. C. 2907 CRESCENT AVE. HOMEWOOD, AL 35209 (205) 879-0045

A Restaurant for Golden Rule Barbeque Academy Drive Bessemer, AL

DATE 11-22-02

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 ARCHITECT, P.C.  
 2907 CRESCENT AVE.  
 HOMEWOOD, AL  
 35209  
 (205) 879-0045

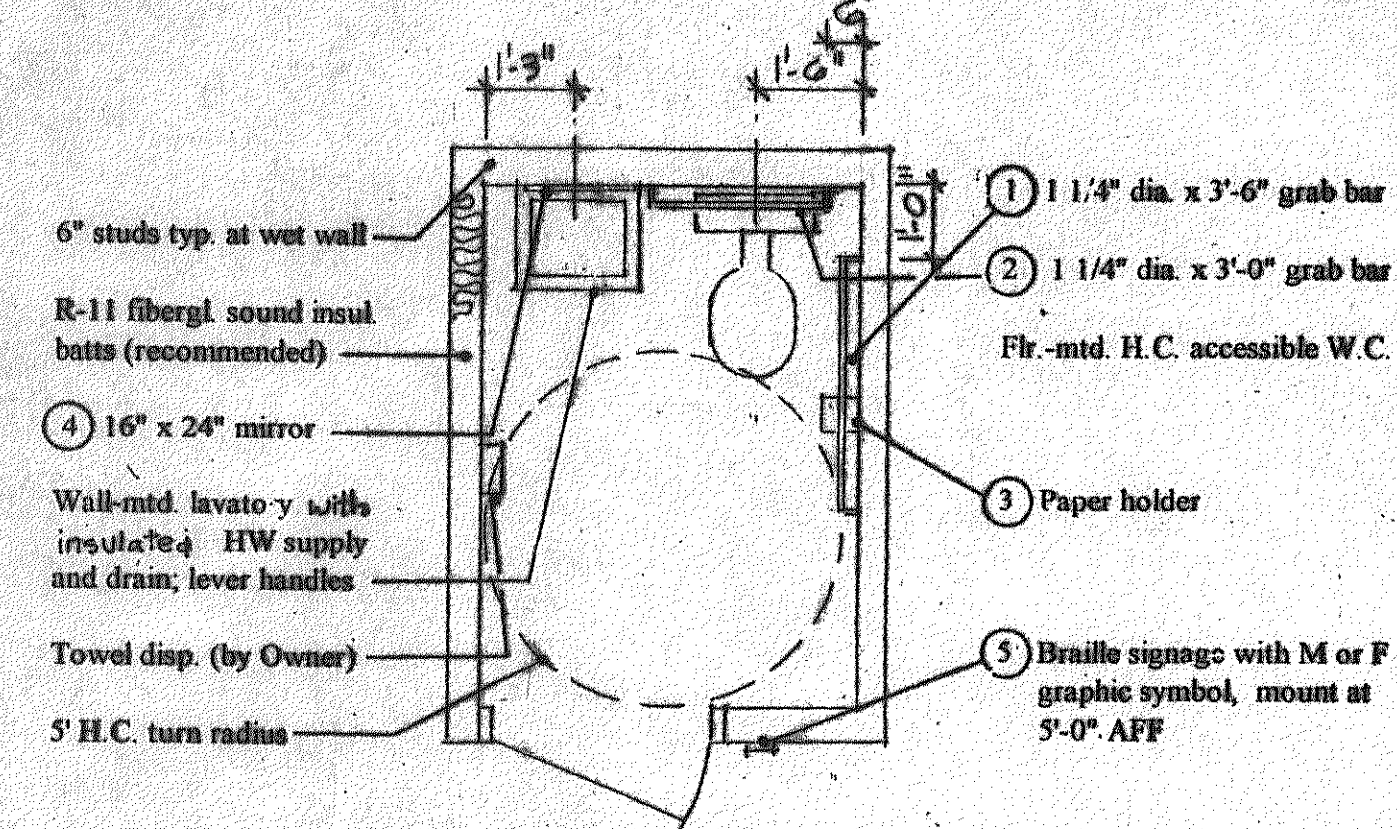
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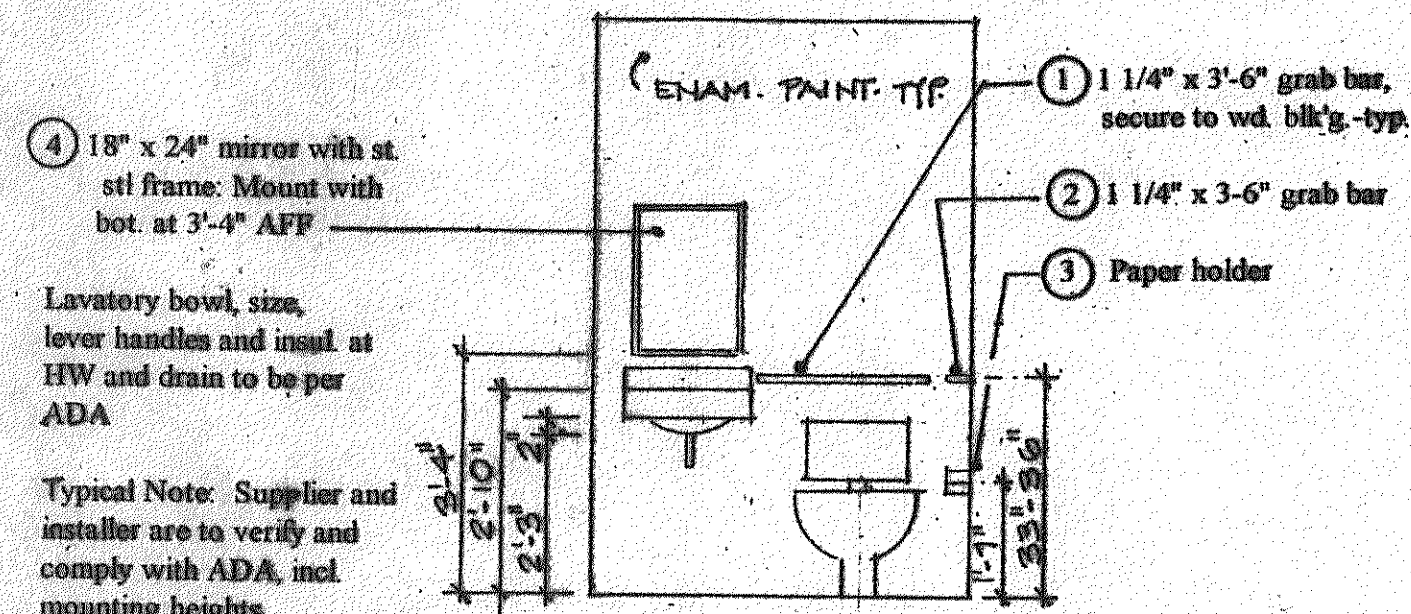
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GUIDE FLOOR PLAN (See Drawing for actual layout)



GUIDE ELEVATION

GUIDE DETAILS FOR H.C. ACCESSIBLE TOILET FACILITIES

**TOILET ACCESSORIES**

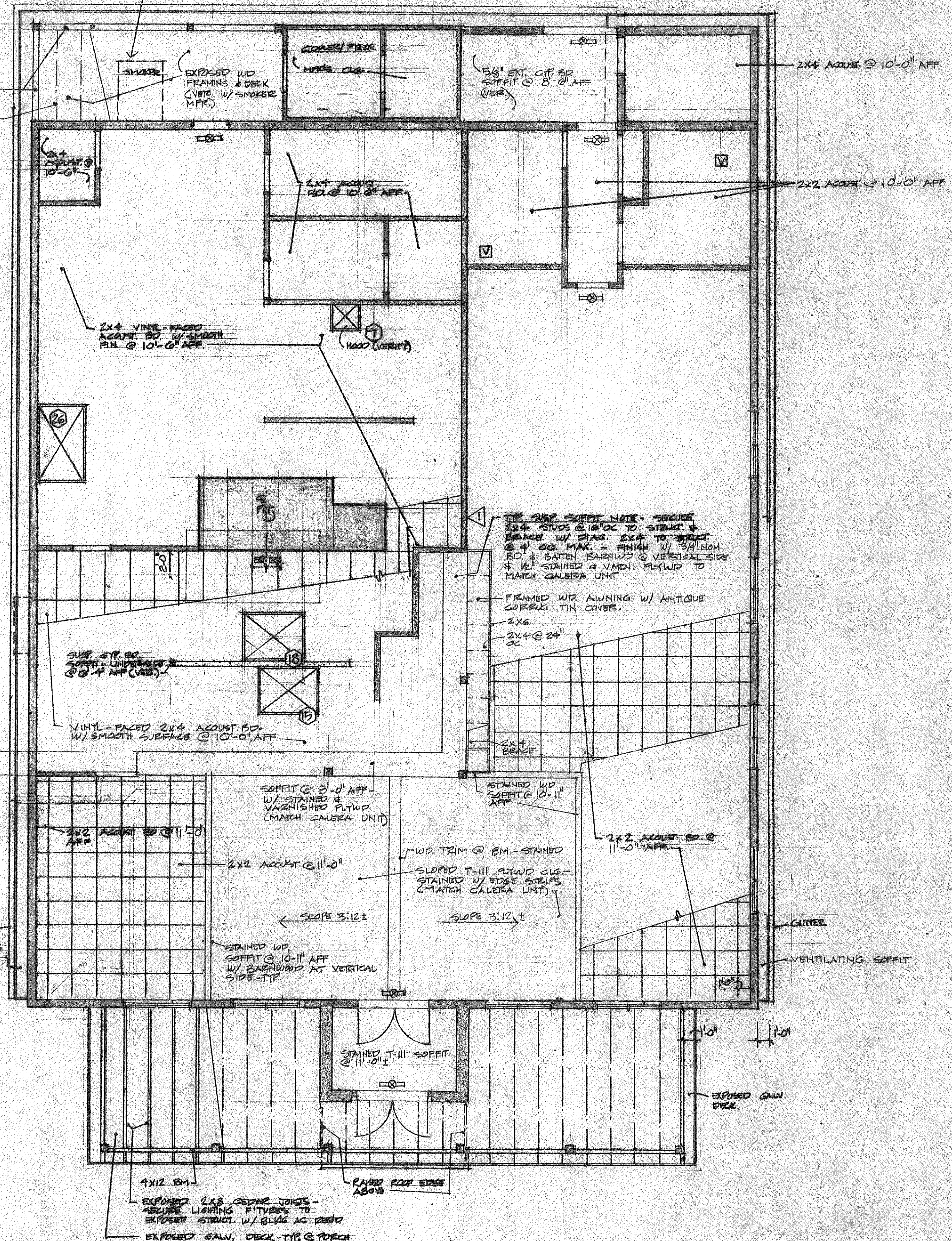
- ① 3'-6" x 1 1/4" dia. Stainless stl. H.C. grab bar, concealed fastenings, Model 001 x 42"
- ② 3'-0" x 1 1/4" dia. Grab bar, Model 001 x 36", same as 1.
- ③ 1-roll tissue holder
- ④ 18" x 24" n. wall-mtd. mirror
- ⑤ H.C. restroom identification signage with M or F figure, H.C. access symbol, braille text, mounted at ADA approved height and location

**ACCESSORY NOTES**

1. Product numbers indicated are for Bradley, Inc.; equal products by other mfgs. Are approved.
2. Verify that mounting heights and locations comply with ADA. Install per mfr's instructions, plumb, level, and secured to wd. blocking attached to studs; adjust as req'd
3. Finish is to be mfr's standard mat'c

G.C. VERIFY ROOMS FOR CLEARANCE OF COMBUSTIBLE MEMBERS AT SMOKE & EXHAUST STACK - COMPLY STRICTLY.

2-2x12 W/D; BM W/ STAINED W/D TRIM  
 2x8 JOIST @ 24" OC-TYP @ PORCH



- LEGEND**
- ☒ ILLUM. EXIT SIGN - COMPLY W/ STD. MFG. CODES. CENTER OF OPENING
  - TOILET VENTILATOR - CAPACITY TO COMPLY W/ STD. MFG. CODES

REFLECTED CLG. PLAN 3/16"=1'-0"



**McLARTY ENGINEERING**  
 1824 29th AVENUE, SOUTH SUITE 242  
 BIRMINGHAM, ALABAMA 35209-2885  
 (205) 879-3500

MARK C. LINDSAY, III  
 ARCHITECT  
 2907 CRESCENT AVE.  
 HOMEWOOD, AL.  
 ZIP 35209  
 (205) 879-0045

Alabama

A Restaurant for  
 Golden Rule Barbeque  
 2222 Academy Drive  
 Bessemer

DATE 11-25-02

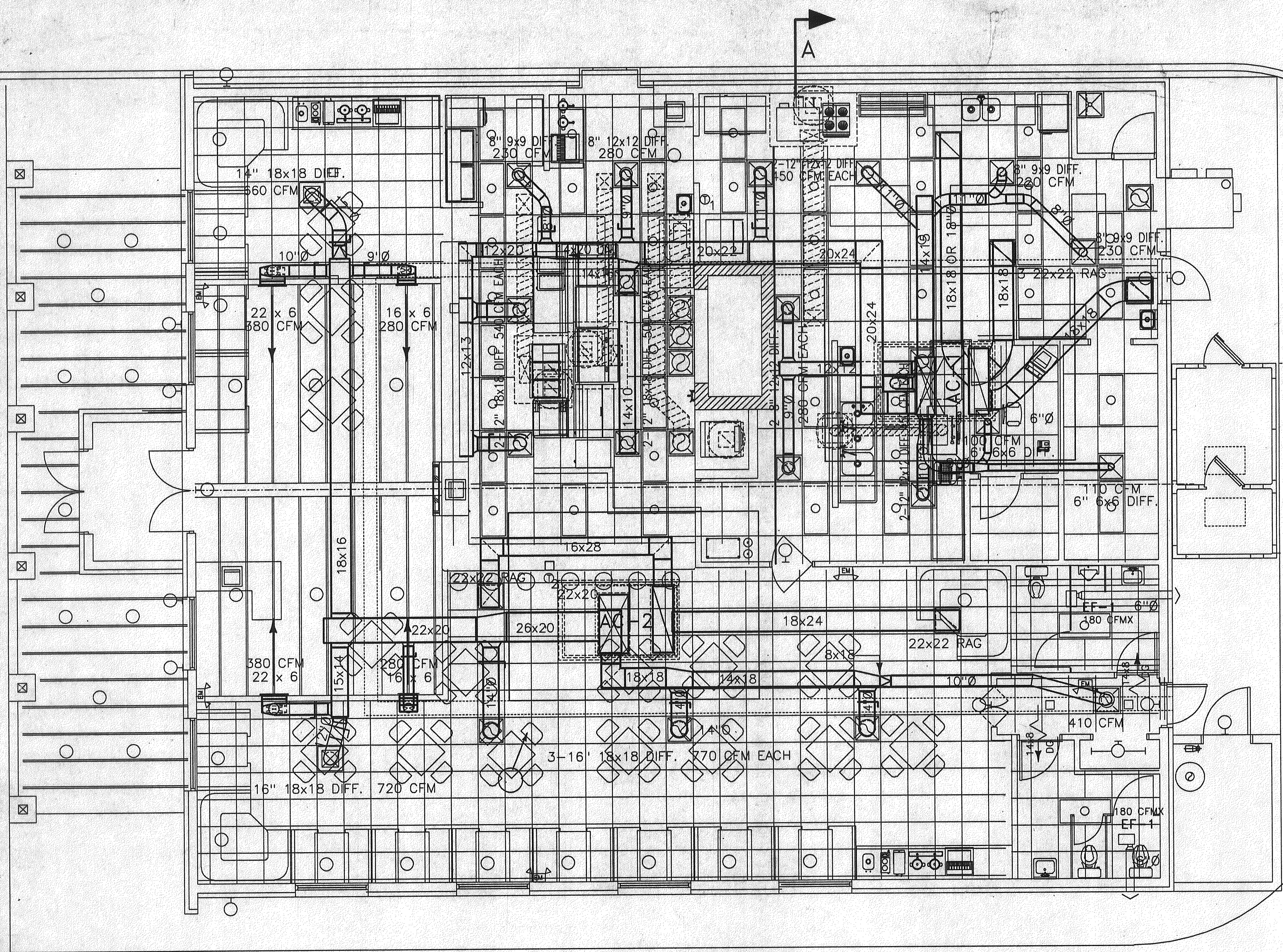
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 HVAC PLAN and  
 Illustration of  
 Hoods ductwork

REVISIONS:

PROJECT:  
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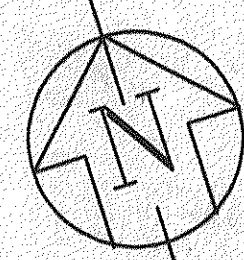
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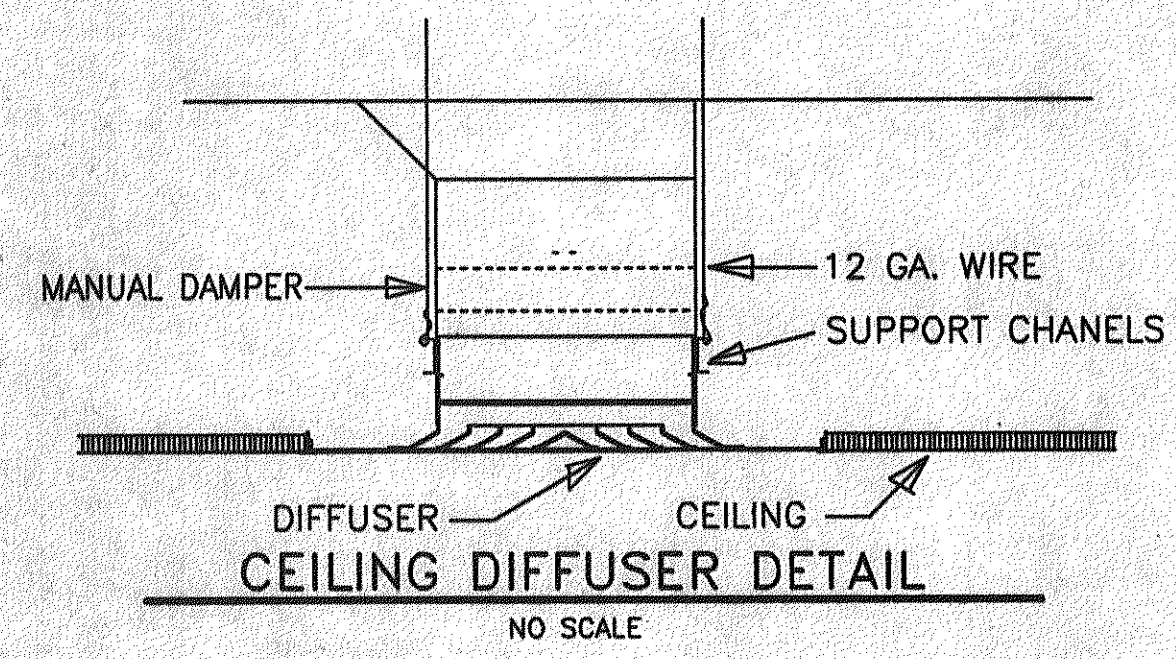
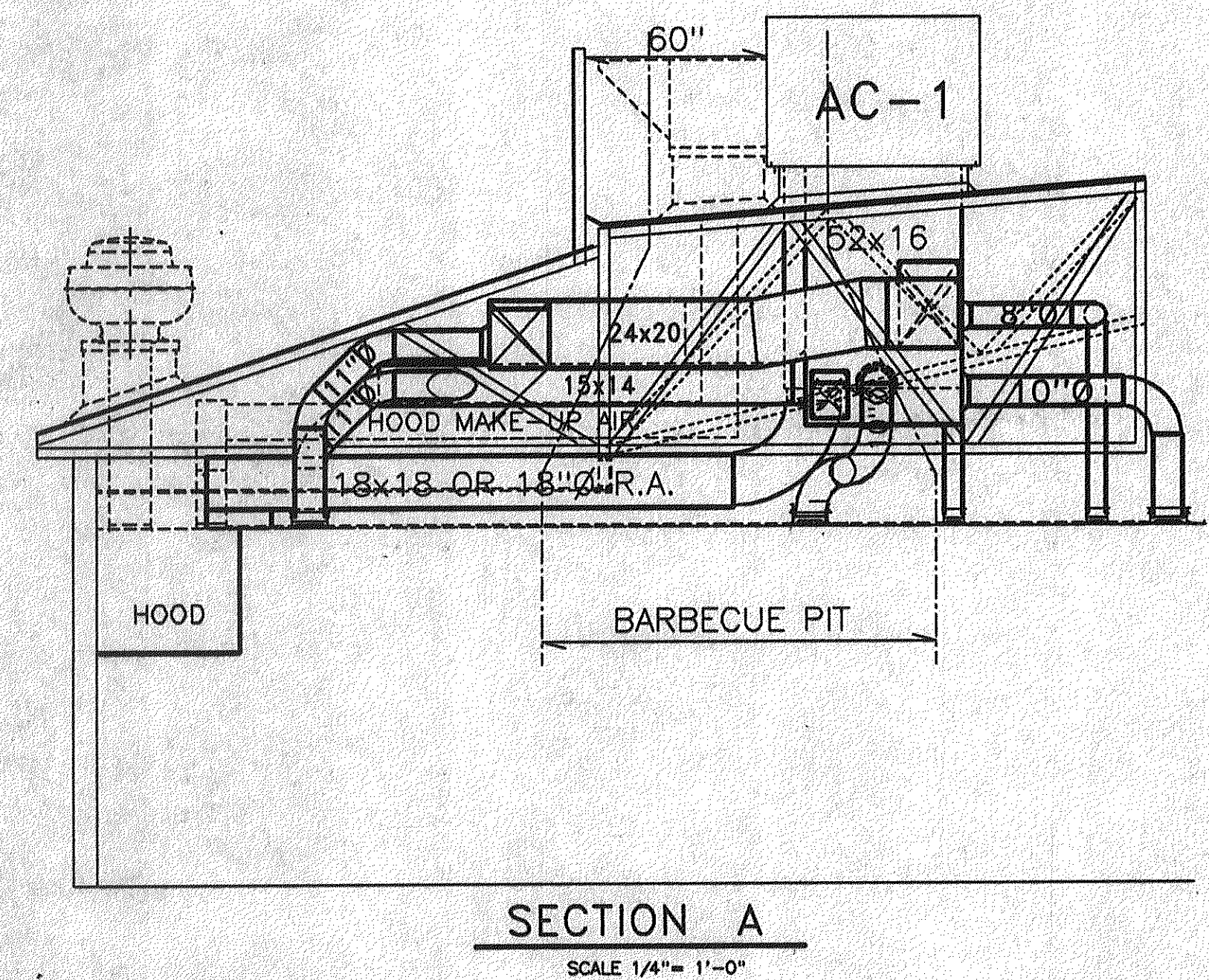
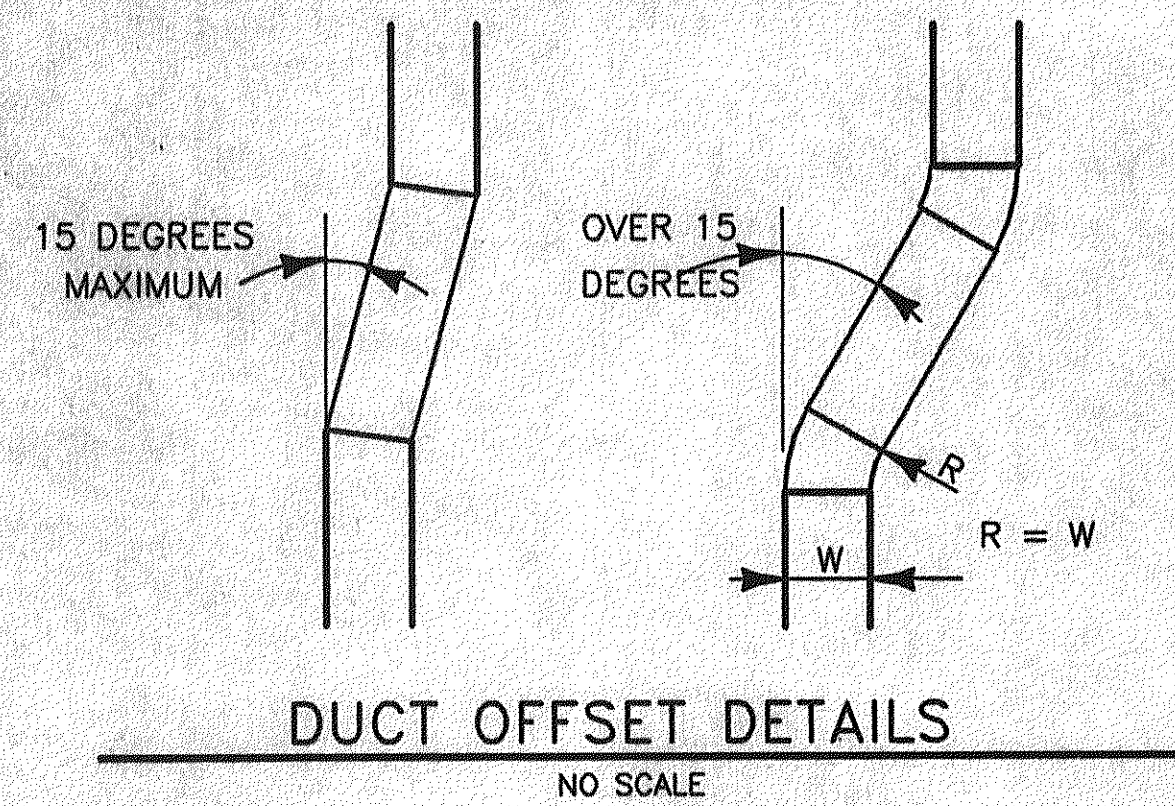
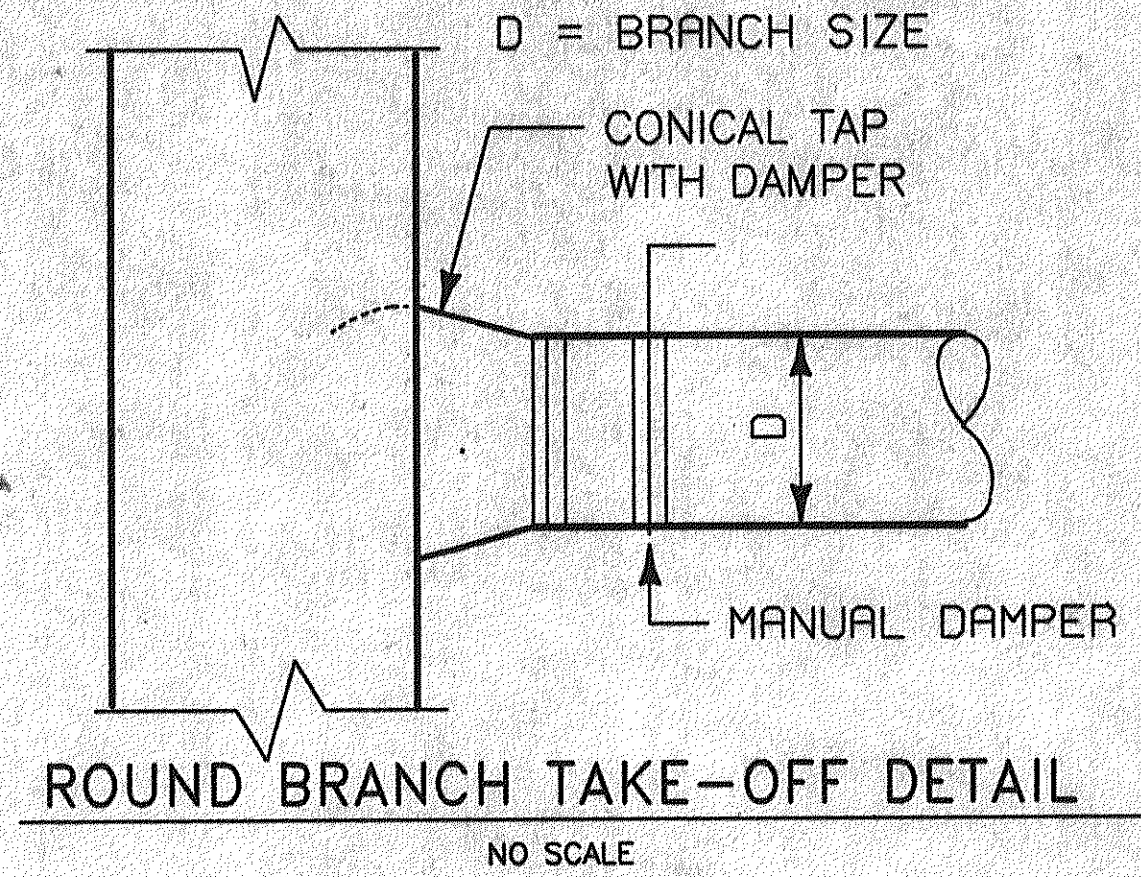
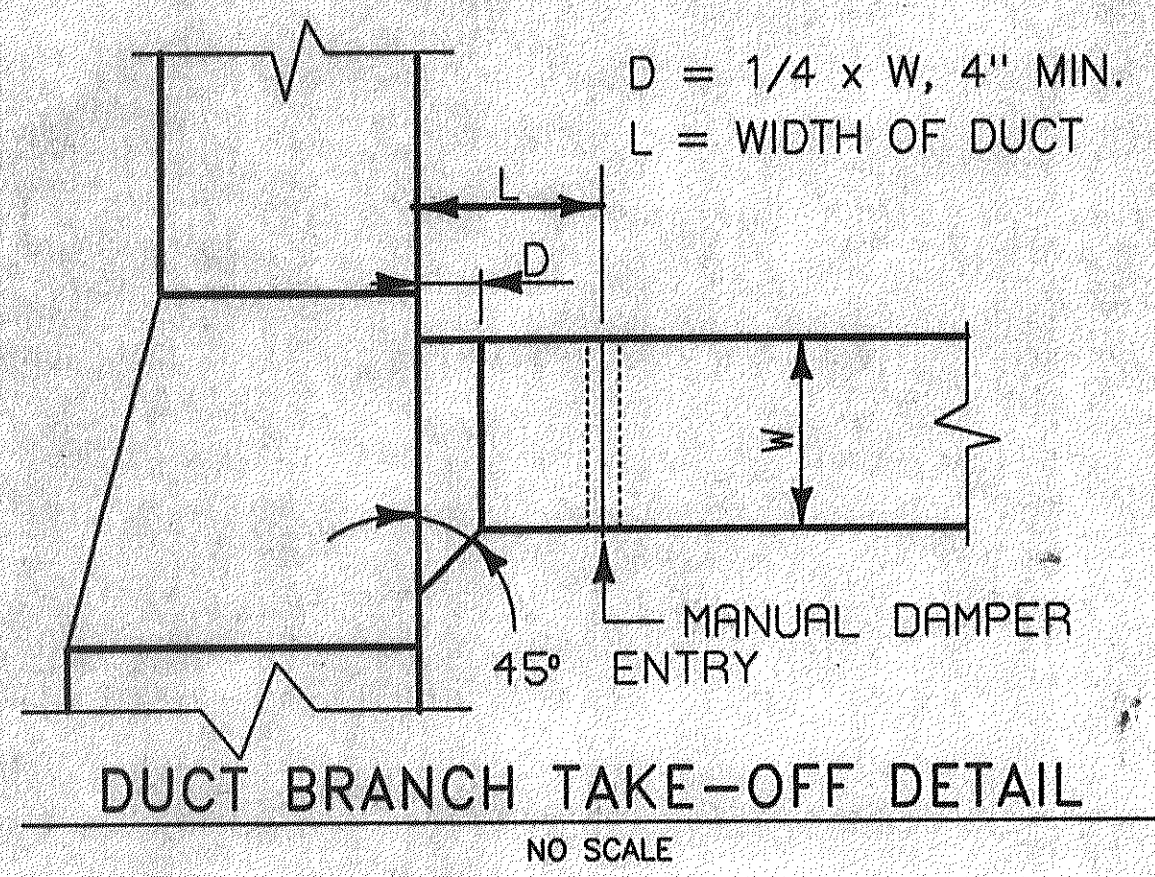
M1



**HVAC PLAN**

SCALE 1/4" = 1'-0"





**EQUIPMENT LIST**

- AC-1 PACKAGED ROOF TOP AIR CONDITIONING UNIT WITH ADJUSTABLE SPEED BELT DRIVEN BLOWER & DUAL COOLING CIRCUITS. CAPACITY 5600 CFM AT 0.50\"/>
- AC-2 PACKAGED ROOF TOP AIR CONDITIONING UNIT WITH ADJUSTABLE SPEED BELT DRIVEN BLOWER & DUAL COOLING CIRCUITS. CAPACITY 5420 CFM AT 0.50\"/>
- EF-1 AMCA RATED CENTRIFUGAL DUCT MOUNTED EXHAUST FAN WITH BACK DRAFT DAMPER 2 REQ. ELECTRICAL DISCONNECT AND VARIABLE SPEED CONTROLLER. 180 CFM AT 1/4\"/>

**LEGEND**

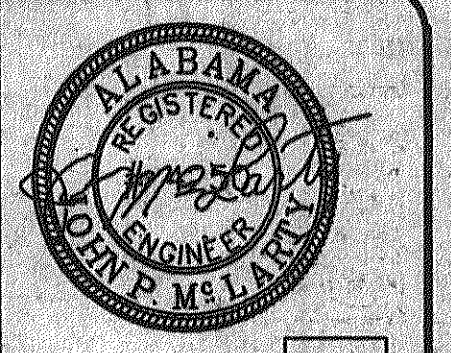
- LOW PRESSURE DUCT
- DUCT TRANSITION
- LAY-IN DIFFUSER
- LAY-IN R.A. GRILLE
- R.A. GRILLE OR EXHAUST REGISTER
- DOOR UNDERCUT
- DOOR GRILLE
- THERMOSTAT
- FIRE STAT
- SMOKE SENSOR

**ASHRAE 62 VENTILATION CALCULATIONS**

2 HOUR OCCUPANCY	=	122 PEOPLE
122 PEOPLE @ 10 CFM / PERSON	=	1220 CFM
3 WATER CLOSETS @ 50 CFM	=	150 CFM
<b>TOTAL</b>	<b>=</b>	<b>1370 CFM</b>
EQUIPMENT OUTSIDE AIR SUPPLIED	=	2220 CFM
NET EXHAUST VENTILATION EQUIPMENT	=	910 CFM
NET POSITIVE BUILDING PRESSURE	=	1310 CFM

**NOTES:**

1. ALL DUCT SIZES SHOWN ARE SHEET METAL SIZE. INSULATION ALLOWANCE HAS BEEN MADE.
2. INSULATE RECTANGULAR SUPPLY AND RETURN AIR DUCTS WITH 1", 2 PSF DENSITY ACOUSTICAL LINER
3. RECTANGULAR EXHAUST DUCTS SHALL HAVE 1/2" LINER.
4. INSULATE ROUND DUCTS WITH 1 1/2", 3/4 PSF DUCT WRAP WITH VAPOR BARRIER, LAPPED AND SEALED.
5. PROVIDE APPROVED TURNING VANES IN ALL EXCEPT FULL RADIUS TURNS, VANED OR SMACNA #2-10 EXTRACTORS FOR ALL DIFFUSERS. FULL RADIUS 5 GORE ELBOWS IN ROUND DUCTS.
6. SUPPORT SMOKE AND FIRE DAMPERS INDEPENDENTLY OF THE DUCT.
7. MOUNT A FIRE STAT IN THE RETURN AIR TO EACH UNIT.
8. MOUNT THERMOSTATS 4'- 6" ABOVE THE FLOOR TO COMPLY WITH ADA.
9. CONDENSATE LINES SHALL HAVE 2" MINIMUM DEPTH TRAP. DRAIN SHALL BE ROUTED INCONSPICUOUSLY TO ROOF DRAIN SYSTEM.
10. DIFFUSERS AND GRILLES SELECTED ARE THE PRODUCTS OF TITUS DIVISION OF TOMPKINS INDUSTRIES, INC. MODEL TDC LAY-IN DIFFUSERS AND MODEL 50-F LAY-IN RETURN AIR GRILLES. SIMILAR PRODUCTS OF METAL INDUSTRIES, TUTTLE & BAILEY, ANEMOSTAT OR CARNES AND OTHER MANUFACTURERS SUBMITTED FOR APPROVAL SHALL BE SIZED FOR EQUIVALENT PERFORMANCE AND SOUND LEVELS.



**McLARTY ENGINEERING**  
 1824 23rd AVENUE, SOUTH SUITE 242  
 BIRMINGHAM, ALABAMA 35209-2685  
 (205) 670-3900

MARK C. LINDSAY, III  
 ARCHITECT  
 2907 CRESCENT AVE.  
 HOMEWOOD, AL.  
 ZIP 35209  
 (205) 879-0045

Alabama

A Restaurant for  
 Golden Rule Barbeque  
 2222 Academy Drive  
 Bessemer

DATE 11-25-02

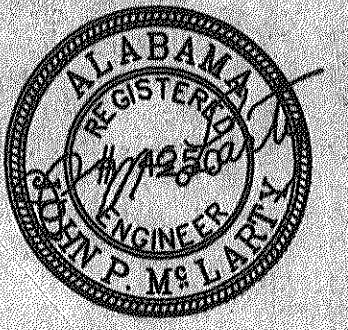
TITLE  
 HVAC DETAILS  
 NOTES-EQUIPMENT  
 LIST & AIR DEVICE  
 SCHEDULE

REVISIONS:

PROJECT:  
 02-20

SHEET  
 M2





McLarty Engineering  
 1824 29th Avenue, South, Suite 242  
 Birmingham, Alabama 35209-2885  
 (205) 870-3900

MARK C. LINDSAY, III  
 ARCHITECT  
 2907 CRESCENT AVE.  
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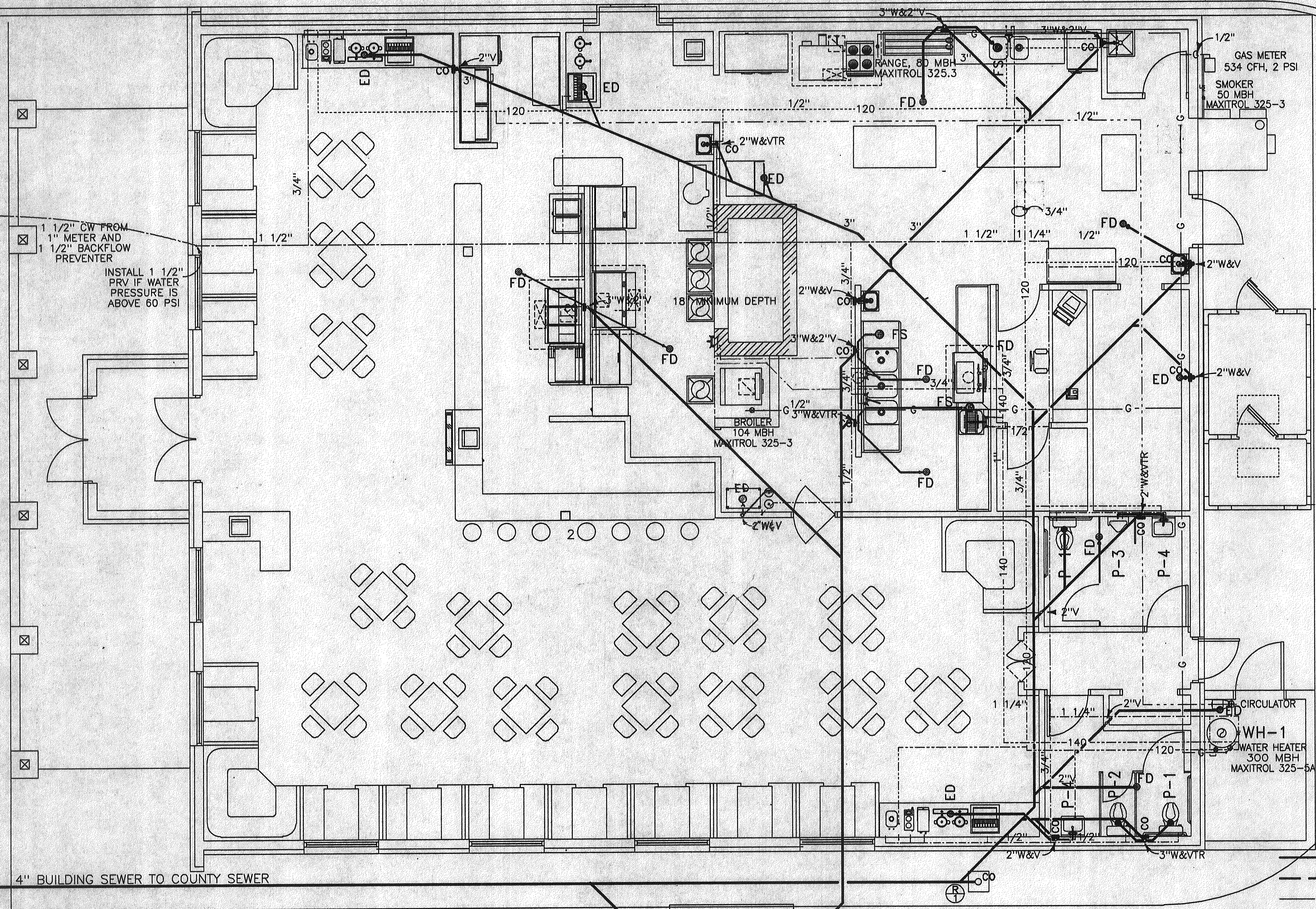
DATE 11-25-02

TITLE  
 PLUMBING PLAN  
 NOTES AND  
 LEGEND

REVISIONS:  
 Δ 12-13-02 ADDED ED

PROJECT:  
 02-20  
 SHEET

P 1



1 1/2" CW FROM  
 1" METER AND  
 1 1/2" BACKFLOW  
 PREVENTER  
 INSTALL 1 1/2"  
 PRV IF WATER  
 PRESSURE IS  
 ABOVE 60 PSI

4" BUILDING SEWER TO COUNTY SEWER

**PLUMBING PLAN**  
 SCALE 1/4" = 1'-0"

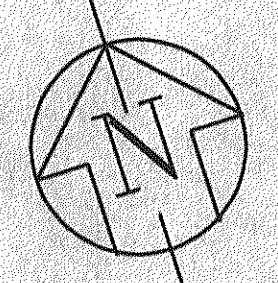
1000 GALLON  
 GREASE TRAP

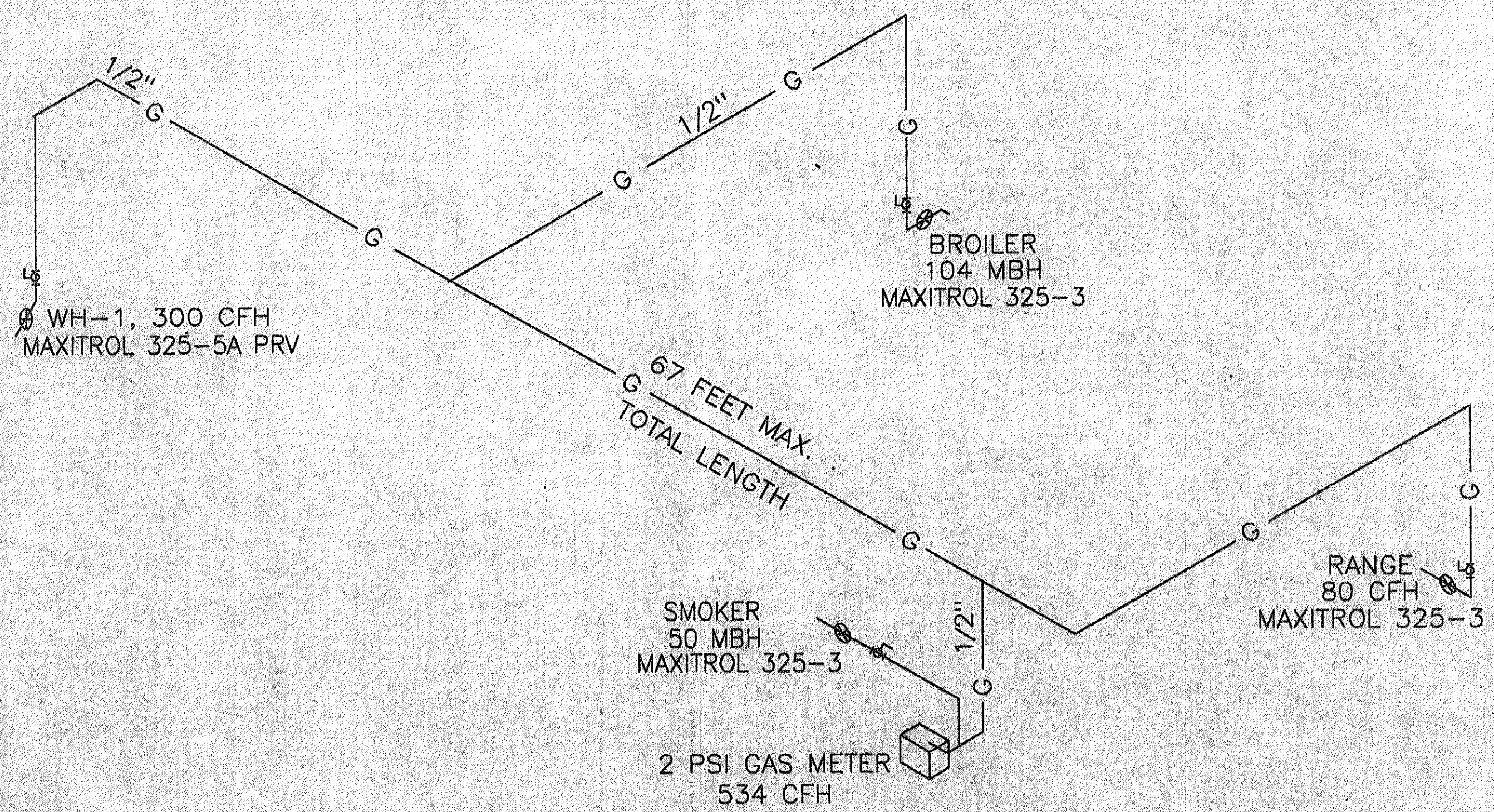
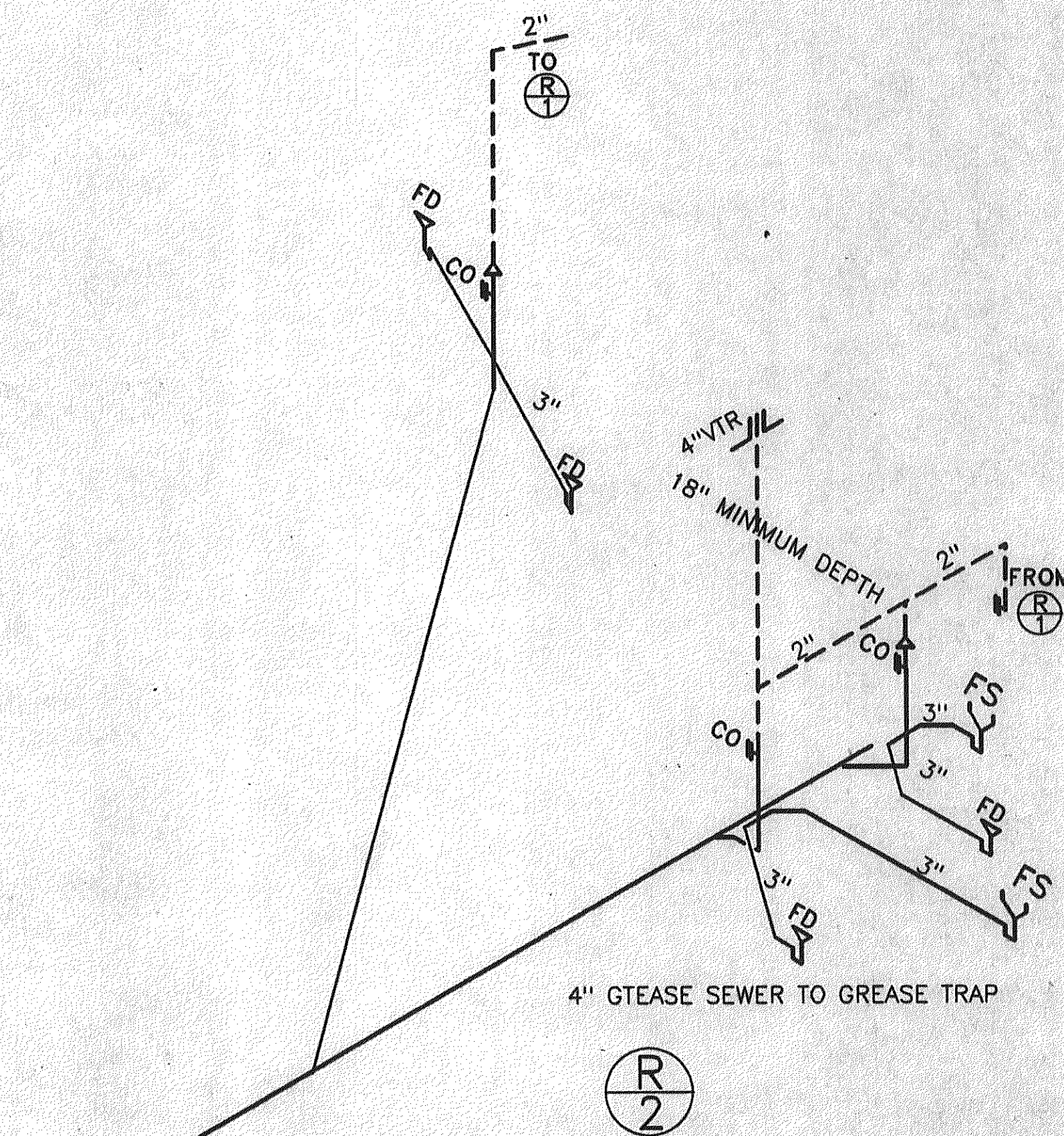
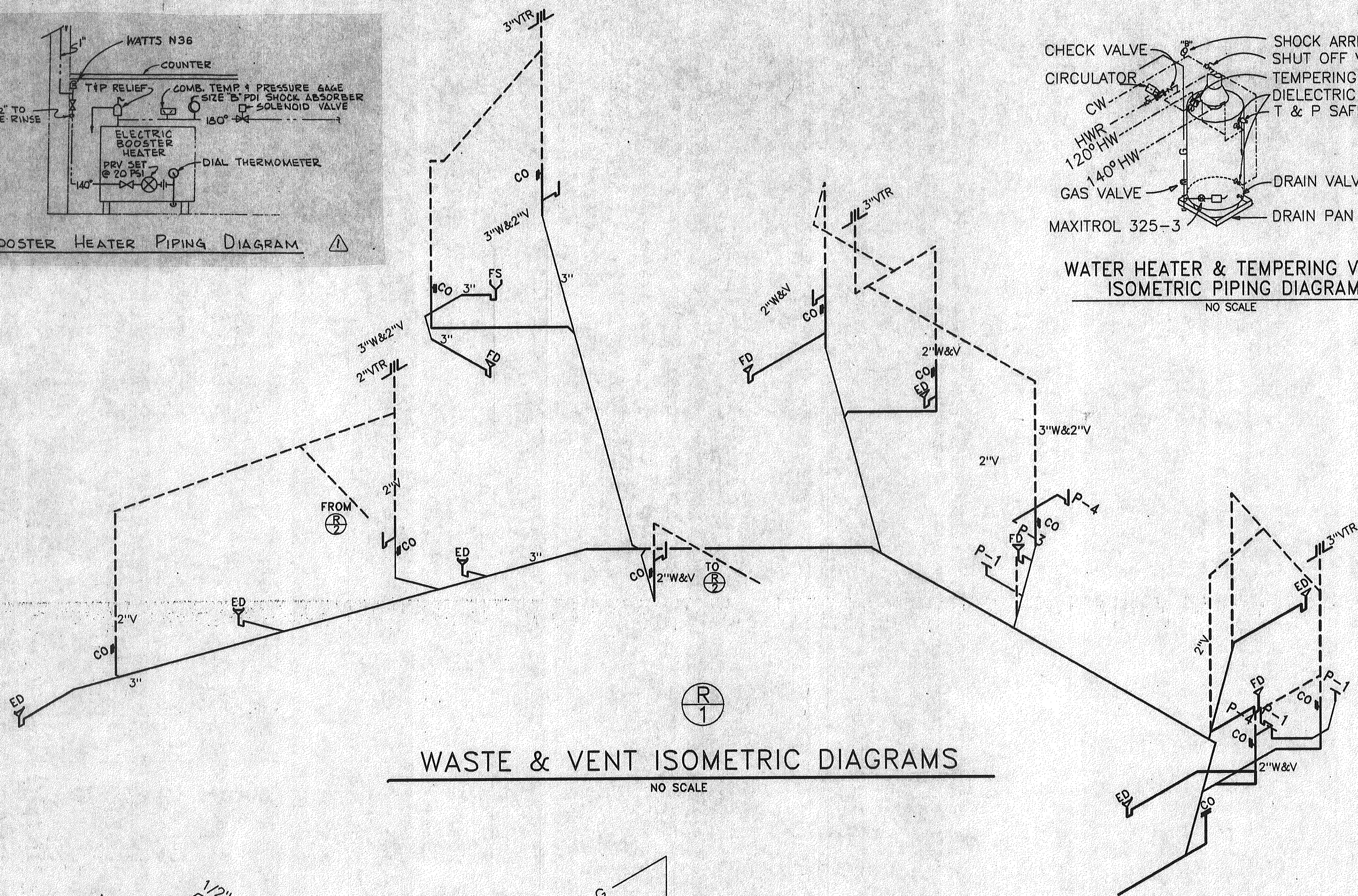
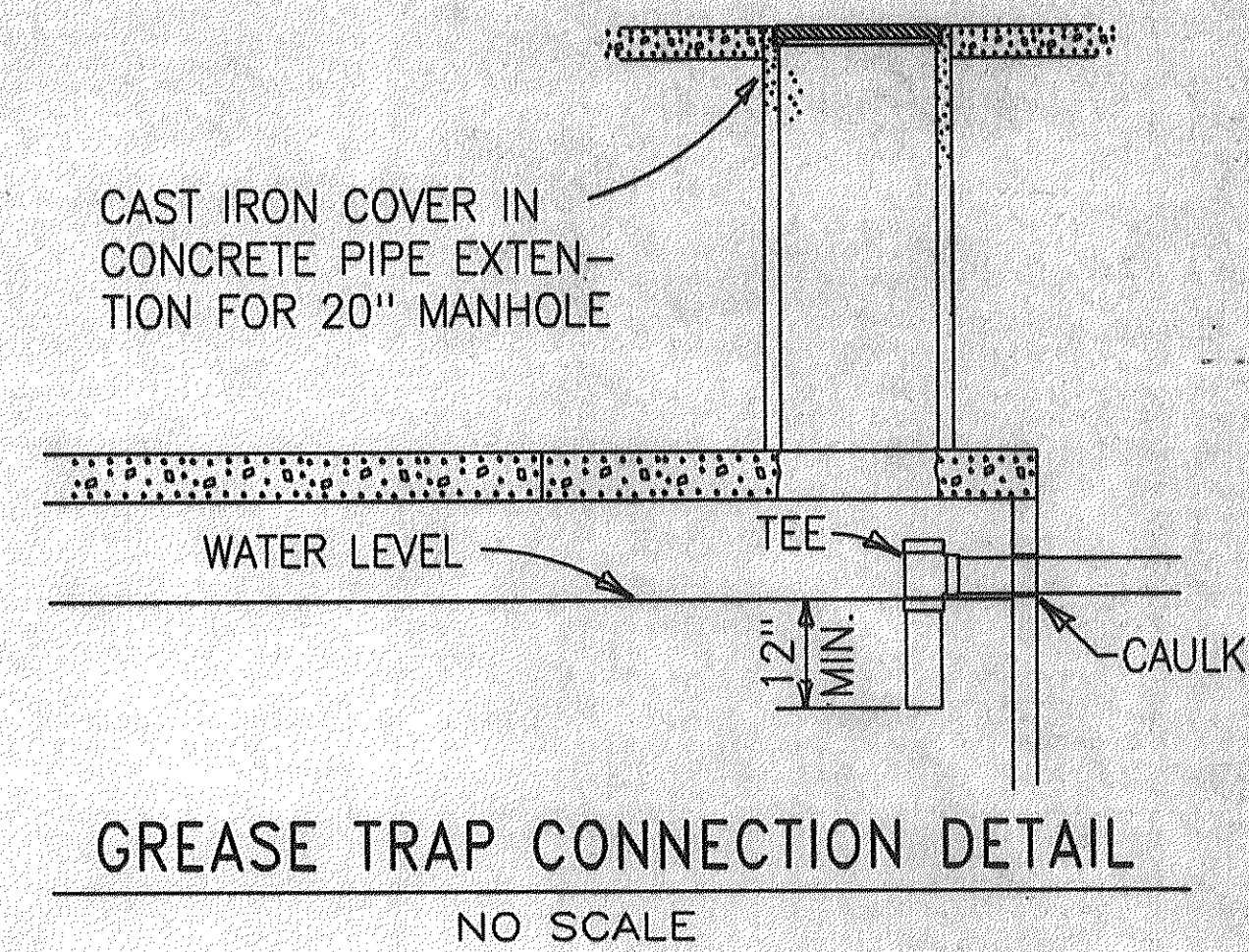
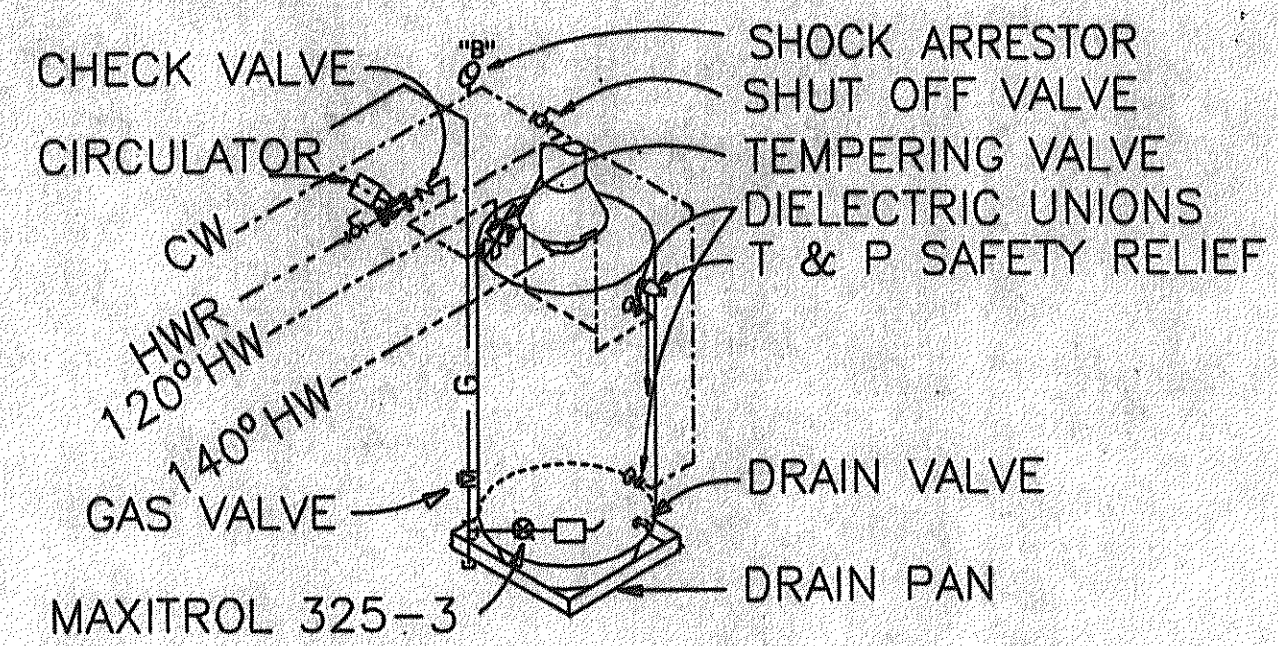
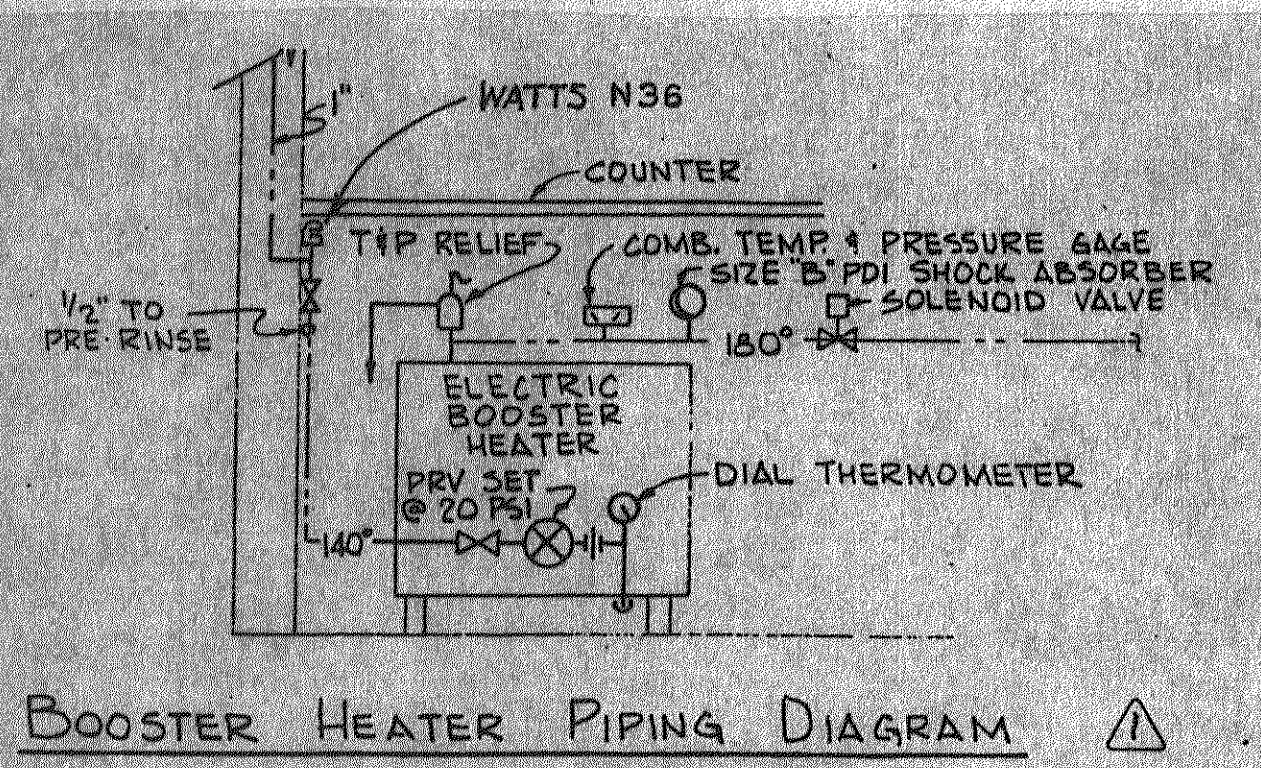
**PLUMBING NOTES:**

1. CONTRACTOR SHALL VERIFY LOCATION, SIZE AND ELEVATION OF ALL EXISTING SERVICES PRIOR TO INSTALLING ANY PIPES.
2. COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH STRUCTURAL, MECHANICAL AND ELECTRICAL FEATURES OF THE BUILDING.
3. RUN ALL WATER LINES SHOWN ON THE PLANS ABOVE CEILING AND IN PARTITIONS RUN ALL WATER PIPING ON THE ROOM SIDE OF THE BUILDING INSULATION.
4. INSTALL DIELECTRIC UNIONS, COUPLINGS OR NIPPLES WHEREVER DISSIMILAR METALS ARE CONNECTED IN THE WATER SYSTEM.
5. PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS.
6. INSTALL PLUMBING FOR KITCHEN EQUIPMENT IN ACCORDANCE WITH THE VENDOR'S PLUMBING ROUGH-IN PLAN.

**LEGEND**

	W	SANITARY WASTE
	V	VENT
	CW	CITY (COLD) WATER
	HW	HOT WATER
	HWR	HOT WATER RETURN
	G	GAS
	VTR	VENT THROUGH ROOF
	CO	CLEANOUT
	FD	FLOOR DRAIN
	FS	FLOOR SINK
	ED	EQUIPMENT DRAIN
	R	T & P RELIEF VALVE
		BALL VALVE
		CHECK VALVE
		SHOCK ABSORBER "PDI SIZE"
		UNION





**MINIMUM FIXTURE CONNECTIONS**

MARK	FIXTURE	CW	HW	WASTE	REMARKS
P-1	WATER CLOSET	1/2"	-	3"	HANDICAPPED
P-2	WATER CLOSET	1/2"	-	3"	
P-3	URINAL	3/4"	-	2"	HANDICAPPED
P-4	LAVATORY	1/2"	1/2"	1 1/4"	HANDICAPPED
P-5	MOP SINK	1/2"	1/2"	3"	24x24x10 TERRAZZO
WH-1	WATER HEATER	1 1/2"	1 1/2"	-	300 MBH, 91 GALLON

ALABAMA REGISTERED ENGINEER  
# 4250  
JOHN P. MCELREY

**M. QUARTY ENGINEERING**  
1824 29th AVENUE, SOUTH SUITE 242  
BIRMINGHAM, ALABAMA 35209-2685  
(205) 870-5900

MARK C. LINDSAY, III  
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2907 CRESCENT AVE.  
HOMESBORO, AL.  
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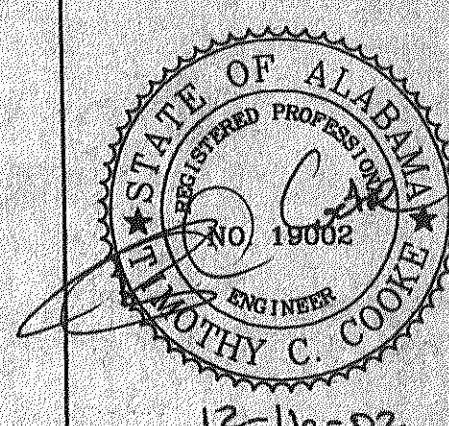
DATE 11-25-02

TITLE  
PLUMBING DETAILS  
ISOMETRIC DIAGRAMS  
AND MINIMUM FIXTURE CONNECTIONS

REVISIONS:  
11-23-02, ADDED BOOSTER DETAIL

PROJECT:  
02-20

SHEET  
P2

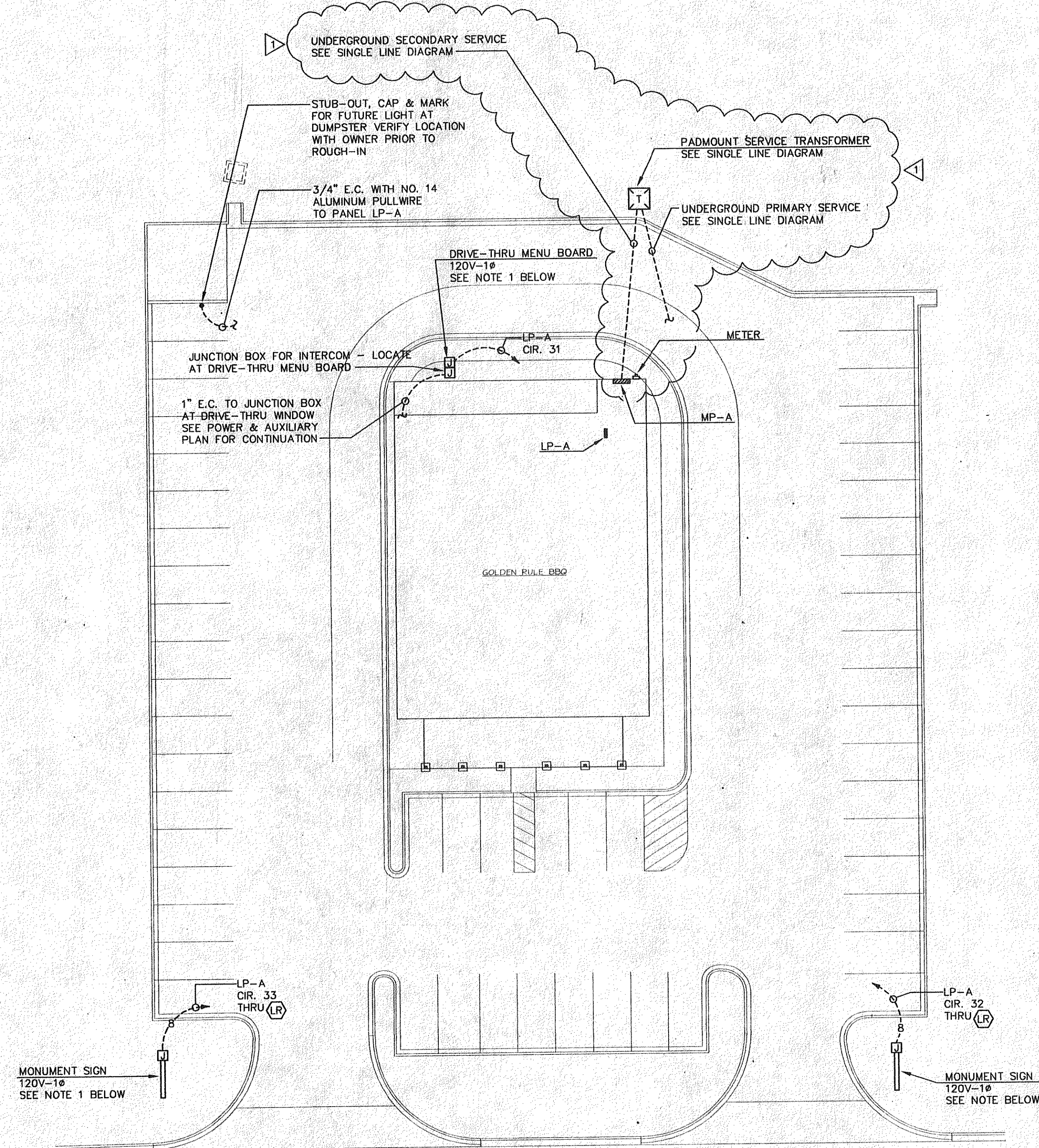


**GENERAL ELECTRICAL NOTES**

1. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS FOR TELEPHONE AND POWER SERVICES WITH RESPECTIVE UTILITY COMPANIES PRIOR TO SUBMITTING BID. IF THEIR REQUIREMENTS ARE AT A VARIANCE WITH THOSE SHOWN ON PLANS THE CONTRACTOR SHALL INFORM ARCHITECT IMMEDIATELY. ALL COSTS INCURRED WITH UTILITY COMPANIES FOR SERVICES SHALL BE INCLUDED IN BID PRICE. IF SUCH COSTS ARE NOT AVAILABLE AT BID TIME CONTRACTOR SHALL INCLUDE WITH BID A LETTER FROM A RESPONSIBLE PARTY WITH THE UTILITY COMPANY STATING SUCH, AND COSTS WILL THEN BE EXCLUDED FROM THE BID PRICE.
2. THIS CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT FROM MANUFACTURER'S RECOMMENDATIONS PRIOR TO ROUGHING IN CONDUIT AND SHALL ADJUST CONDUIT SIZE, WIRE SIZE AND CIRCUIT PROTECTION SIZE ACCORDINGLY. IF REQUIREMENTS ARE LARGER THAN CALLED FOR ON ELECTRICAL PLANS NOTIFY ARCHITECT IMMEDIATELY.
3. CONTRACTOR SHALL VISIT THE SITE OF THE WORK PRIOR TO SUBMITTING BID TO EXAMINE CAREFULLY LOCAL CONDITIONS AND DIFFICULTIES TO BE ENCOUNTERED. ANY DISCREPANCY BETWEEN PLANS AND EXISTING CONDITIONS SHALL IMMEDIATELY BE CALLED TO THE ATTENTION OF THE ARCHITECT.
4. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH NEC.

**GENERAL ELECTRICAL LEGEND**

- (A) 2 FIXTURE OUTLET - CEILING - SURFACE OR PENDANT MOUNTED - INCANDESCENT OR H.I.D. - FIXTURE MARK "A", CIRCUIT NO.2 (TYP.)
- FIXTURE OUTLET - CEILING - RECESSED - INCANDESCENT OR H.I.D.
- FIXTURE OUTLET - CEILING - SURFACE OR PENDANT MOUNTED - FLUORESCENT.
- FIXTURE OUTLET - CEILING - RECESSED - FLUORESCENT.
- FIXTURE OUTLET - WALL - BRACKET MOUNTED - INCANDESCENT OR H.I.D.
- FIXTURE OUTLET - WALL - BRACKET MOUNTED - FLUORESCENT.
- (X) FIXTURE OUTLET - EXIT LIGHT - DIRECTIONAL ARROWS AS INDICATED.
- (CF) CEILING FAN - FURNISHED BY OWNER - INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR - PROVIDE ADDITIONAL MOUNTING HARDWARE AS NECESSARY TO PROPERLY SUPPORT FAN.
- ⊕ WALL OUTLET - DUPLEX - 20A - 125V - 2P - 3W - GROUNDING - HUBBELL 5362.
- ⊕ WALL OUTLET - DOUBLE DUPLEX - 20A - 125V - 2P - 3W - GROUNDING - TWO (2) HUBBELL 5362 - SINGLE PLATE.
- ⊕ DF WALL OUTLET - DUPLEX - 20A - 125V - 2P - 3W - GROUNDING - DRINKING FOUNTAIN OUTLET - HUBBELL 5362 - EXACT MOUNTING HEIGHT AS DIRECTED BY EQUIPMENT SUPPLIER.
- ⊕ WALL OUTLET - SINGLE - 50A - 125V - 2P - 3W - GROUNDING - HUBBELL 9360.
- ⊕ WALL OUTLET - SINGLE - 20A - 250V - 2P - 3W - GROUNDING - HUBBELL 5461.
- ⊕ WALL OUTLET - DUPLEX - 20A - 125V - 2P - 3W - GROUNDING - "GF" TYPE - HUBBELL GF-5362.
- ⊕ WALL OUTLET - DUPLEX - 20A - 125V - 2P - 3W - GROUNDING - "GF" TYPE - HUBBELL GF-5362 WITH WEATHERPROOF COVER.
- FLOOR OUTLET - CONDUIT STUB UP.
- ⊕ FLOOR OUTLET - JUNCTION BOX - CROUSE HINDS "FS" TYPE CAST BOX.
- ⊕ WALL OUTLET - JUNCTION BOX - FLUSH MOUNTED.
- ⊕ CEILING OUTLET - JUNCTION BOX.
- BRANCH CIRCUIT - CONCEALED IN WALLS OR CEILING.
- BRANCH CIRCUIT - EXPOSED ON WALLS OR CEILING.
- BRANCH CIRCUIT - CONCEALED IN FLOOR SLAB OR DIRT FILL.
- BRANCH CIRCUIT - HOMERUN 2 NO.12, 3 NO.12, ETC.
- BRANCH CIRCUIT - HOMERUN 2 NO.10, 3 NO.10, ETC. - MAY BE USED WITH OTHER WIRE SIZES.
- ~ FLEXIBLE CONNECTION TO EQUIPMENT.
- \$ SWITCH OUTLET - S.P.S.T. - 20A - 120-277VAC - HUBBELL 1221.
- \$ 2 SWITCH OUTLET - D.P.S.T. - 15A - 120-277VAC - HUBBELL 1202.
- \$ 3 SWITCH OUTLET - 3 WAY - 20A - 120-277VAC - HUBBELL 1223.
- \$ D1 SWITCH OUTLET - DIMMER - 1000W - 120VAC - HUNT A-1000.
- \$ D SWITCH OUTLET - DIMMER - 2000W - 120VAC - HUNT A-2000.
- \$ o SWITCH OUTLET - CONTROLS OUTLET "o", ETC.
- \$ X SWITCH OUTLET - MANUAL MOTOR STARTER - TOGGLE TYPE - 2 POLE - SQUARE "D" TYPE KS-1.
- \$ DS SWITCH OUTLET - DOOR SWITCH - FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR - INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR.
- ⊕ PHOTOELECTRIC CONTROL - S.P.S.T. - 120VAC - 2000W - TORK 2101 - MOUNT ON ROOF FACING NORTH.
- TS TIME SWITCH - S.P.S.T. - 120VAC - 40A - WITH ASTRONOMIC DIAL AND RESERVE POWER - TORK 7100ZL.
- LR LIGHTING RELAY - ELECTRICALLY HELD - 120V COIL - 20A/600V RATED CONTACTS - NUMBER OF POLES AS REQUIRED - NEMA 1 ENCLOSURE - GE OR EQUAL.
- DC DISTRIBUTION CENTER.
- LIGHTING PANEL.
- ⊕ MAGNETIC MOTOR STARTER - FURNISHED BY OTHERS - INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR.
- ⊕ DISCONNECT SWITCH - FUSED.
- DISCONNECT SWITCH - NONFUSED.
- (M) MOTOR OUTLET - SIZE AS SHOWN.
- ▼ TELEPHONE/DATA OUTLET - WALL.
- TD TELEPHONE/DATA CONDUIT - 3/4" E.C. UNLESS OTHERWISE SHOWN WITH NO. 14 ALUMINUM PULLWIRE - HOMERUN TO TELEPHONE BACKBOARD.
- ⊕ TELEPHONE BACKBOARD - SIZE AS SHOWN ON PLANS - COMPLETE WITH NO.6 GROUND WIRE IN 1/2 INCH C.



**ELECTRICAL SITE PLAN**

SCALE : 1" = 20'-0"

- NOTES:
1. CONFIRM EXACT LOCATION AND ALL ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

MARK C. LINDSAY, III  
ARCHITECT  
2907 CRESCENT AV.  
HOMEWOOD, AL  
ZIP 35209  
(205) 879-0045

A Restaurant for  
**Golden Rule Barbeque**  
Academy Drive  
Bessemer, AL

DATE  
11-27-02

SHEET  
E-1

JACKSON, RENFRO & ASSOC., INC.  
141 VILLAGE STREET • SUITE 1  
BIRMINGHAM, ALABAMA 35242  
JRA JOB NO. 22201

12-13-02