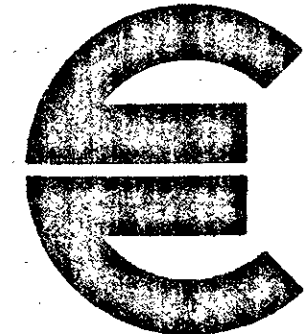
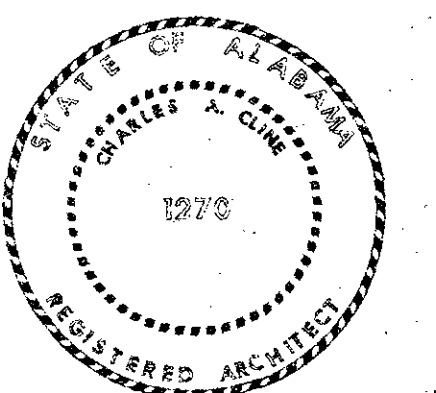


A HARCO DRUG STORE IN MILLBROOK, ALABAMA

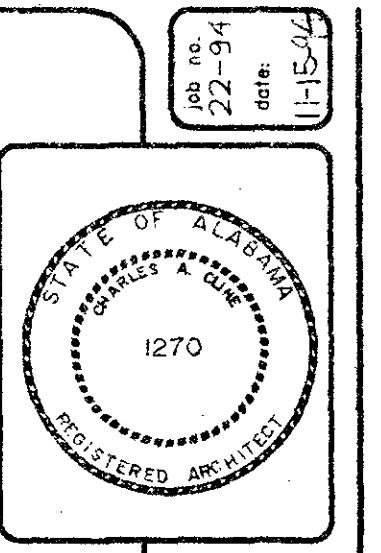
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DATE PRINTED: NOV. 15, 1994



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HARCO FREE STANDING
MILLBROOK, ALABAMA

HARCO
SUPER DRUGS

FIXTURE AND FLOOR
PLAN

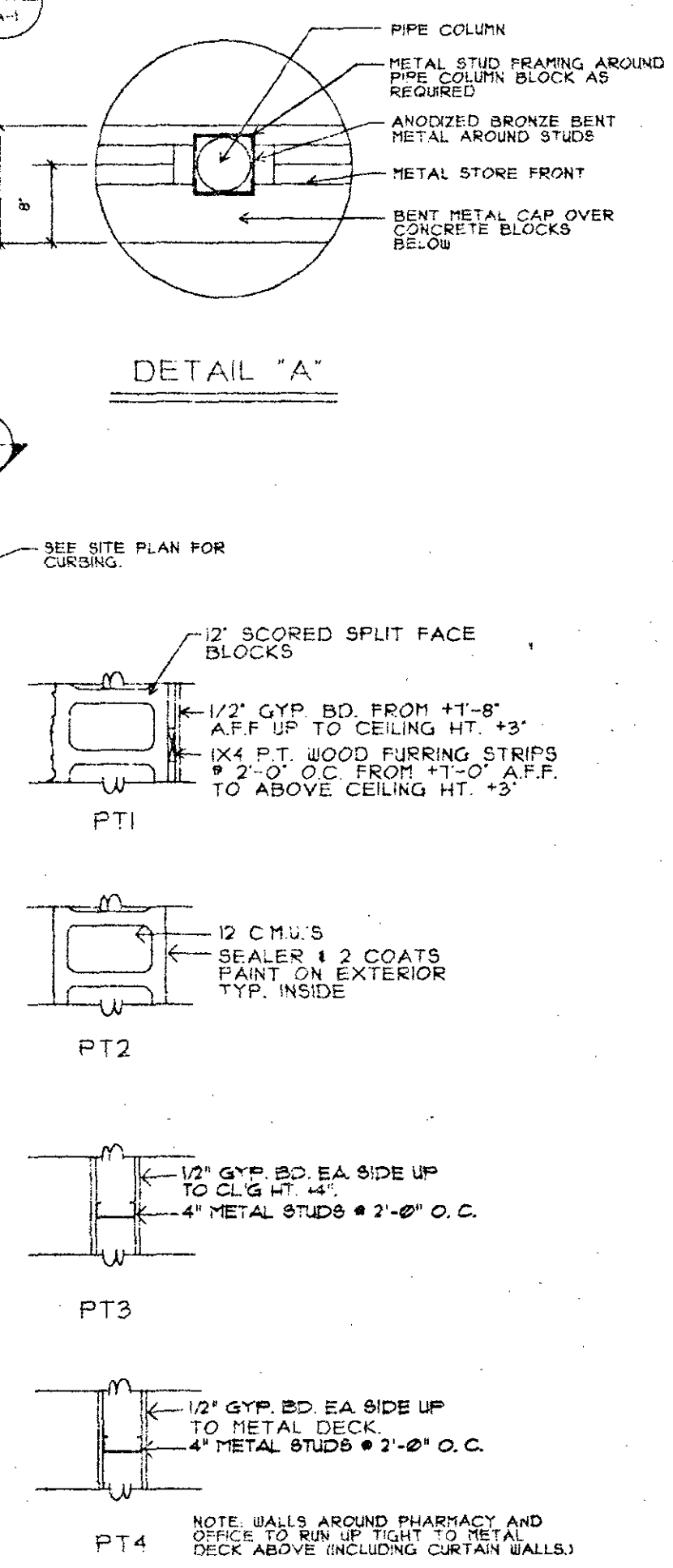
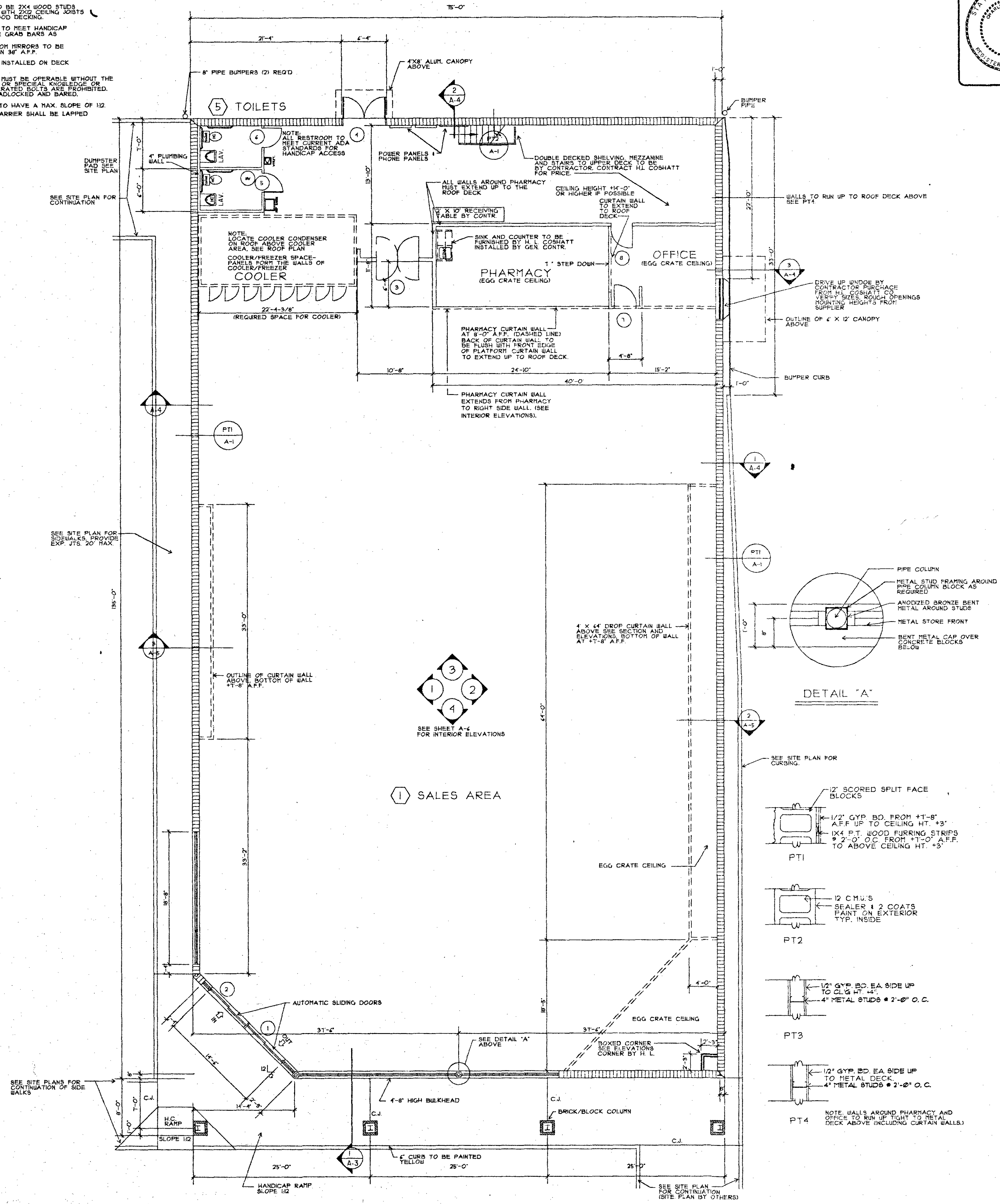
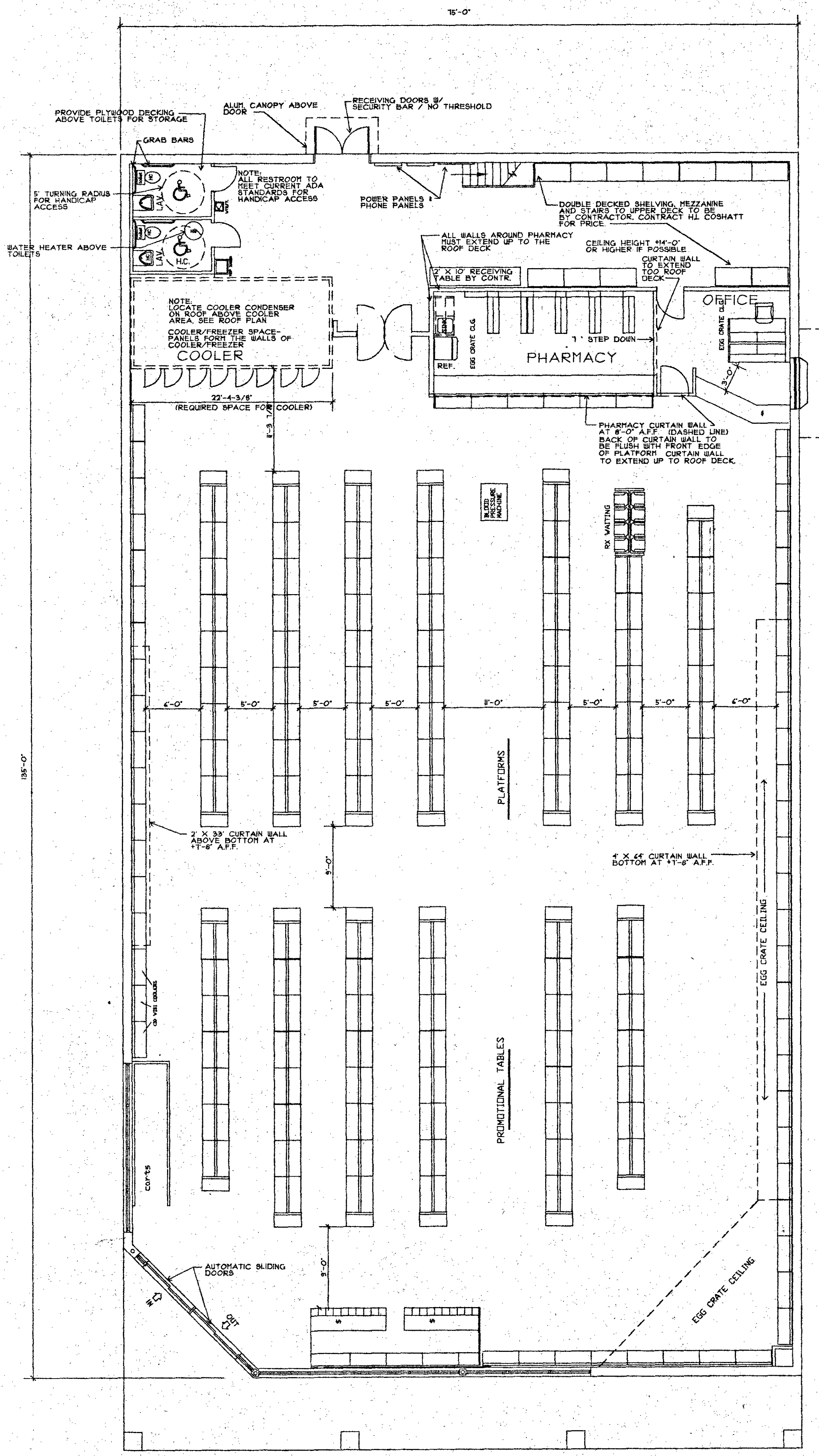
SHEET
A-1

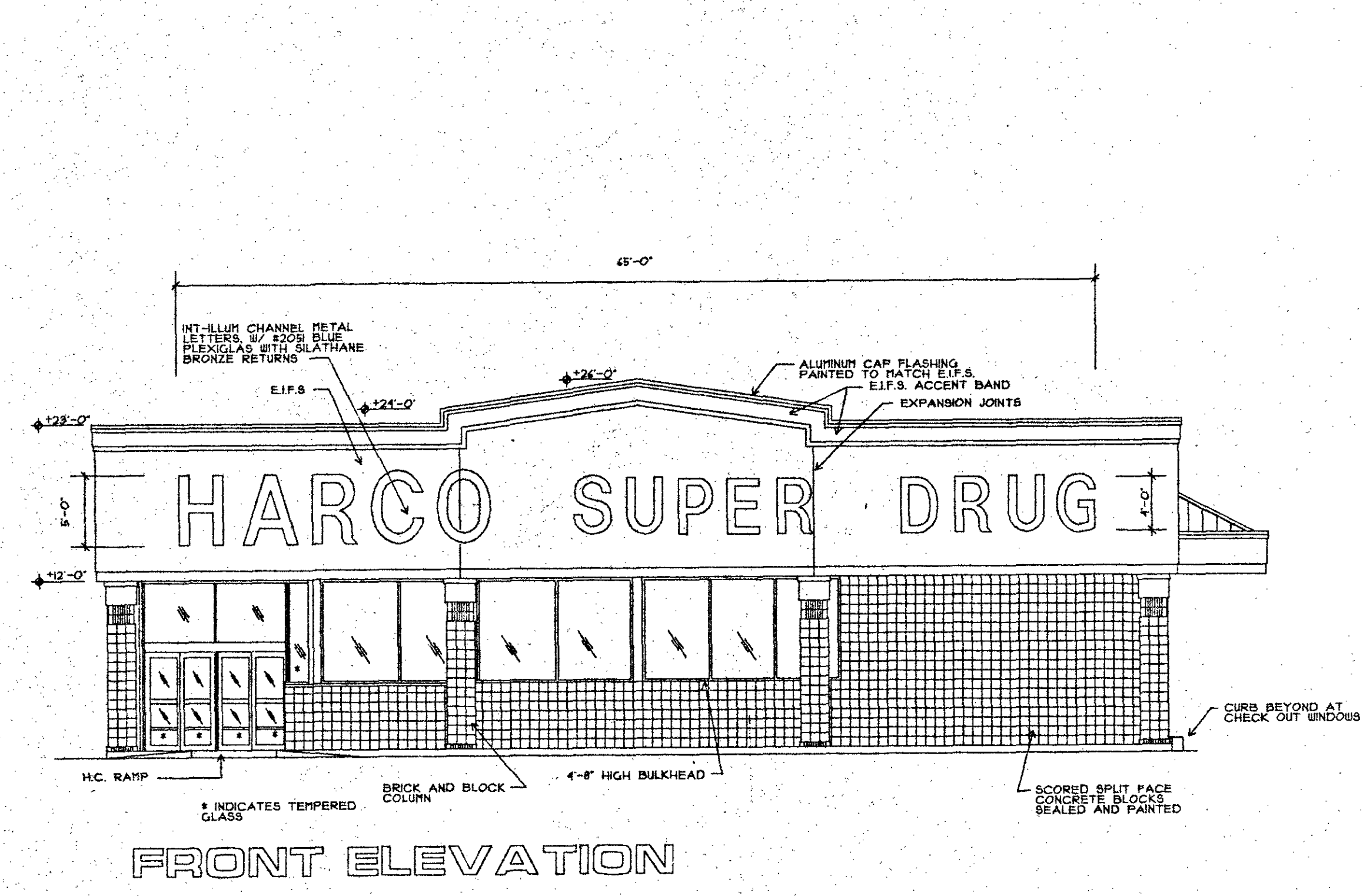
SEQ.
2

15

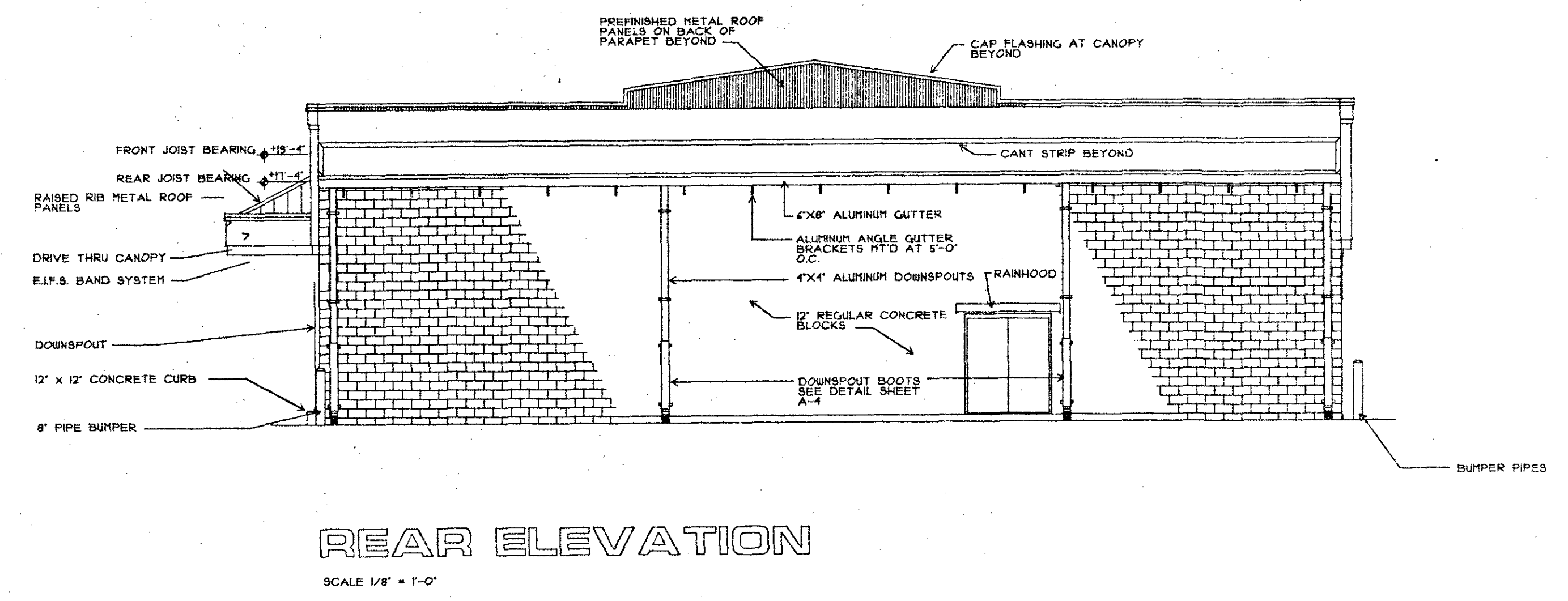
NOTES

TOILET ROOM WALLS TO BE 2X4 @ 16" O.C.
TOILET ROOM CEILING TO BE 2X2 @ 16" O.C.
REST ROOM EQUIPMENT TO MEET HANDICAP REQUIREMENTS. PROVIDE GRAB BARS AS INDICATED.
BOTTOMS OF BATH ROOM MIRRORS TO BE MOUNTED NO LESS THAN 36" A.F.F.
WATER HEATER TO BE INSTALLED ON DECK ABOVE.
REQUIRED EXIT DOORS MUST BE OPERABLE WITHOUT THE USE FOR A KEY, TOOL, OR SPECIAL KNOWLEDGE OR EFFORT. MANUALLY OPERATED DOORS ARE PROHIBITED. DOORS CAN NOT BE PADLOCKED AND BARED.
ALL HANDICAP RAMPS TO HAVE A MAX. SLOPE OF 1:12. BELOW SLAB VAPOR BARRIER SHALL BE LAPPED 18" ON 4" AND TAPER.

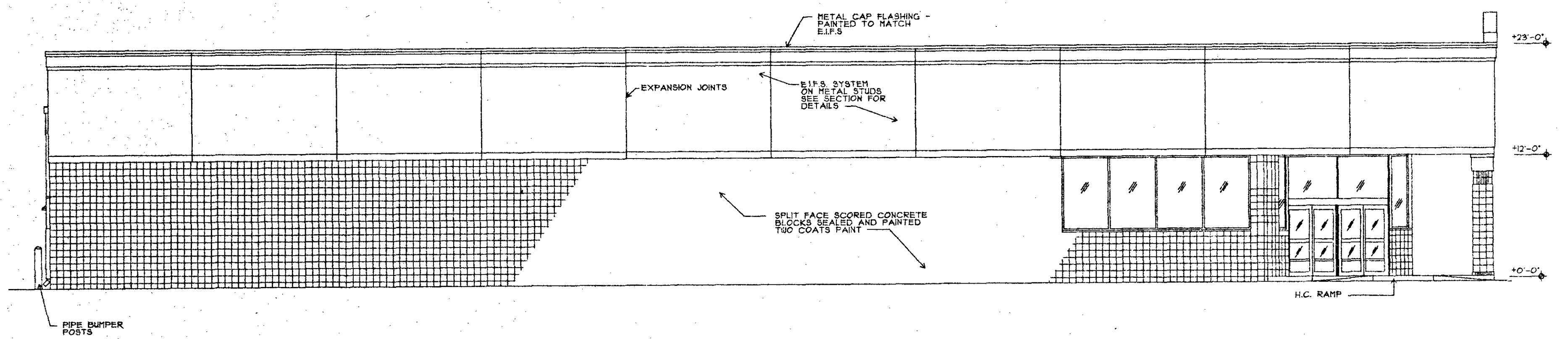




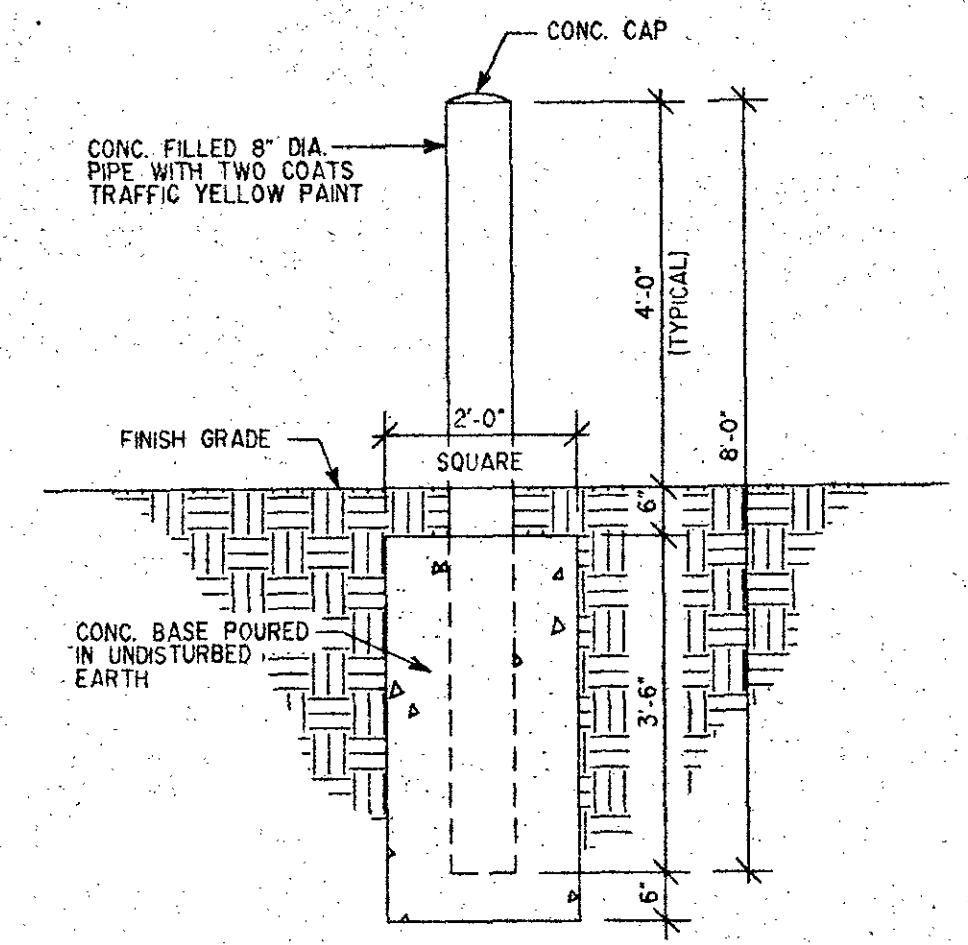
FRONT ELEVATION



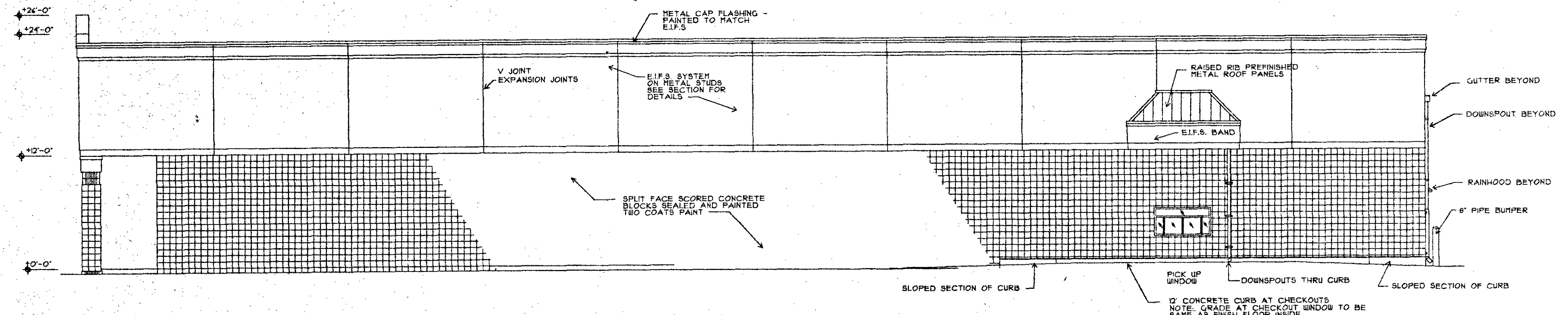
REAR ELEVATION



LEFT SIDE ELEVATION

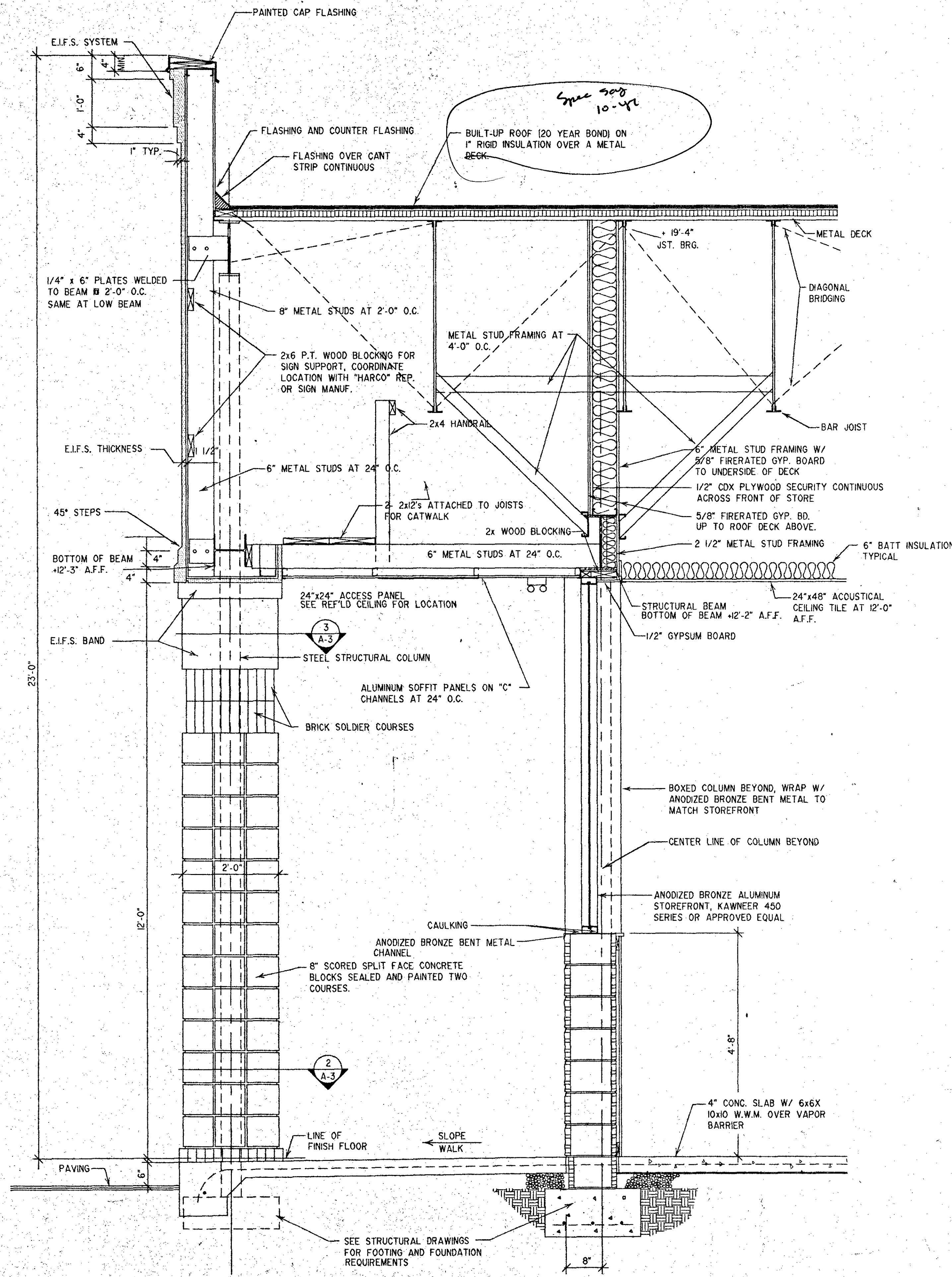


PIPE BUMPER DETAIL

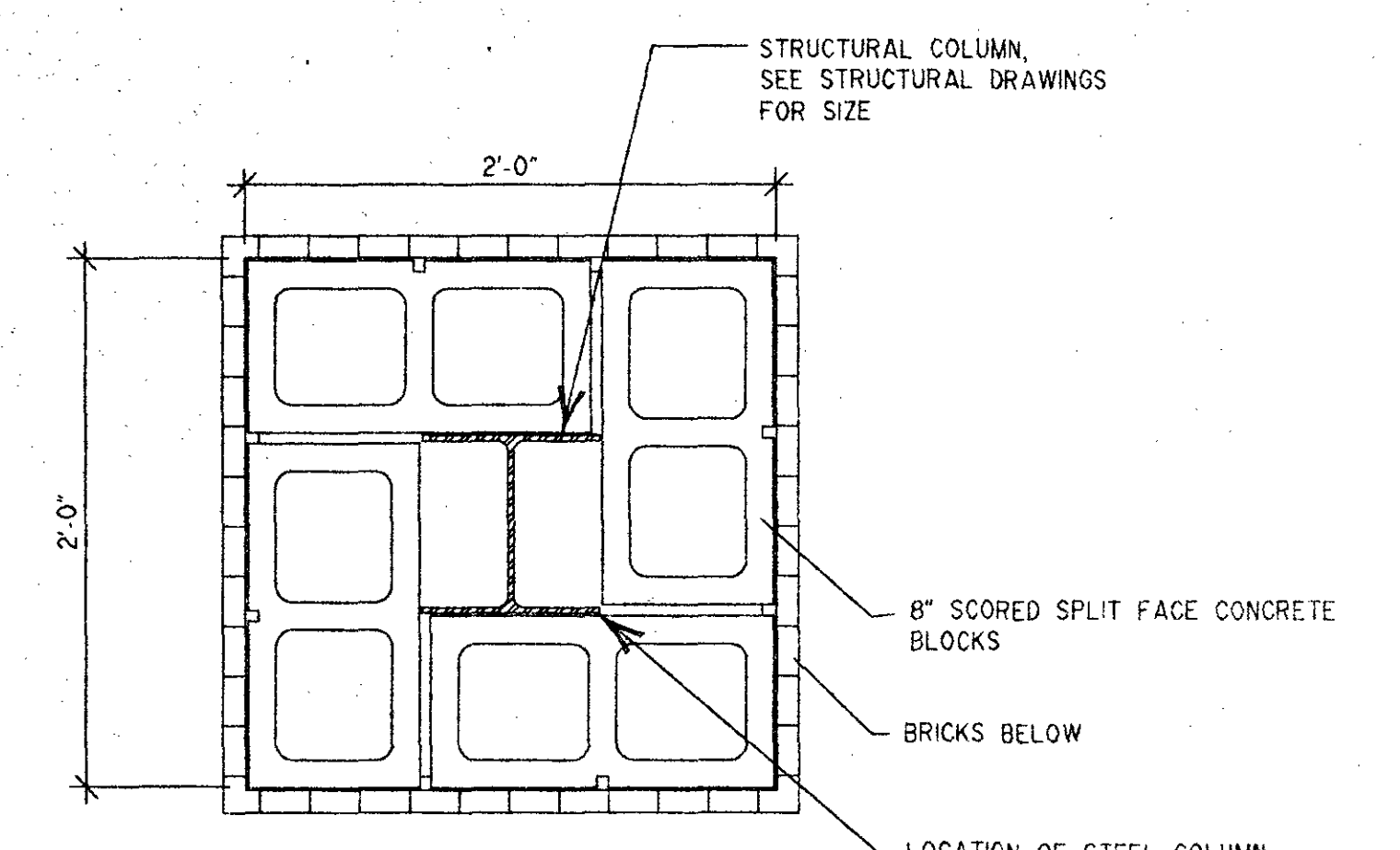


RIGHT SIDE ELEVATION

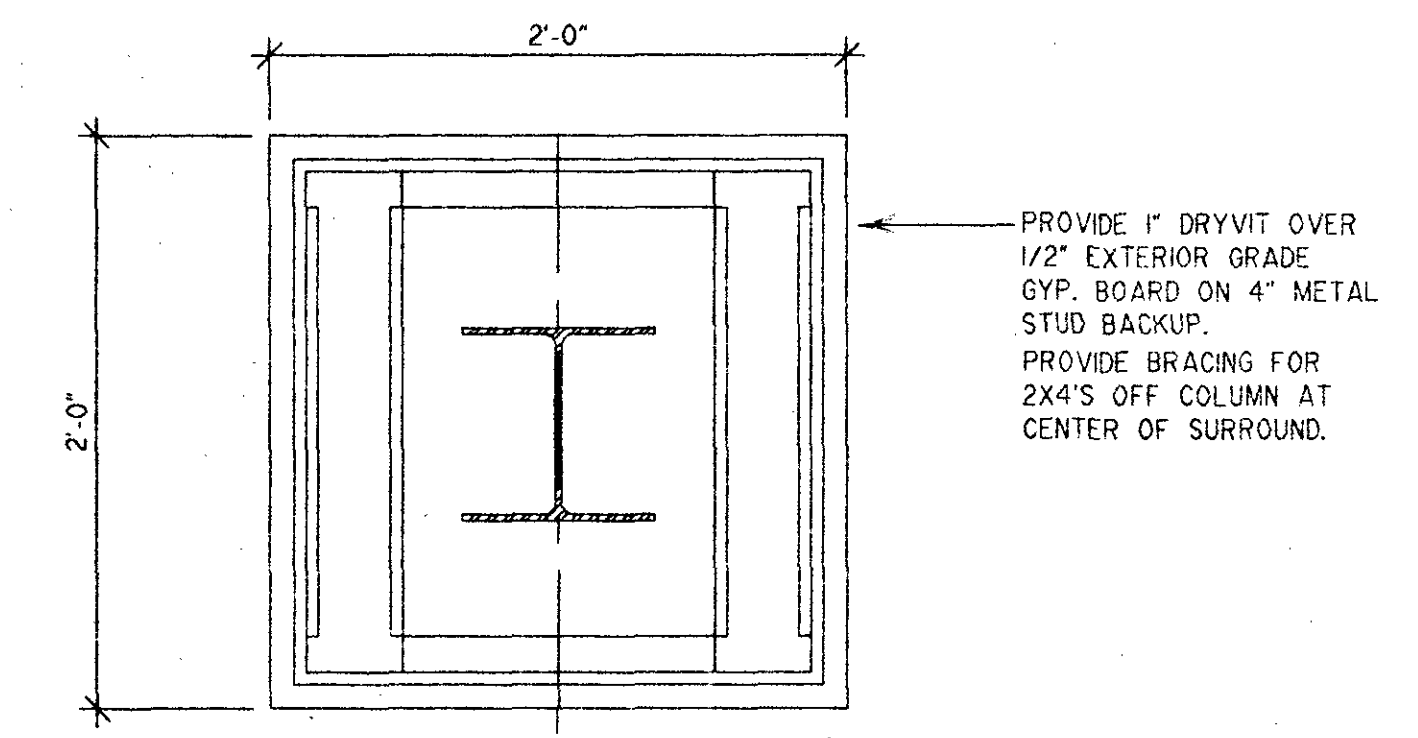
NOTE:
THE DRIVE UP WINDOW MAY BE PURCHASED FROM HIL CUSHATT CO. ROUGH OPENING 3'-0\"/>



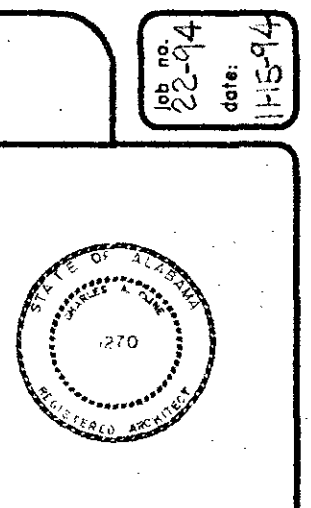
1 CANOPY SECTION
SCALE: 3/4" = 1'-0"



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



3 COLUMN SECTION
SCALE: 1 1/2" = 1'-0"



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p.o. box 1806
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205/834-495

HARGO FREE STANDING
MILLBROOK, ALABAMA

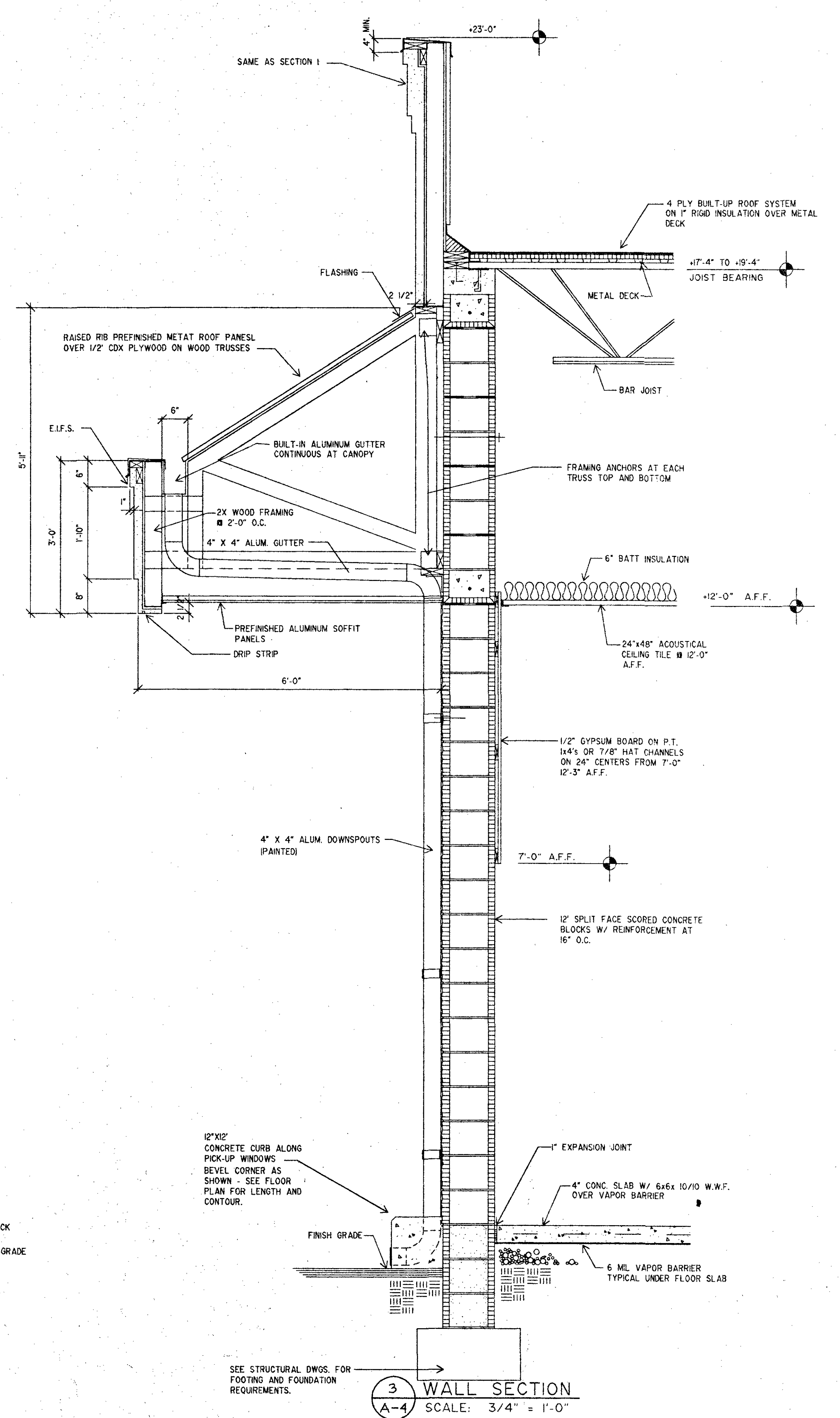
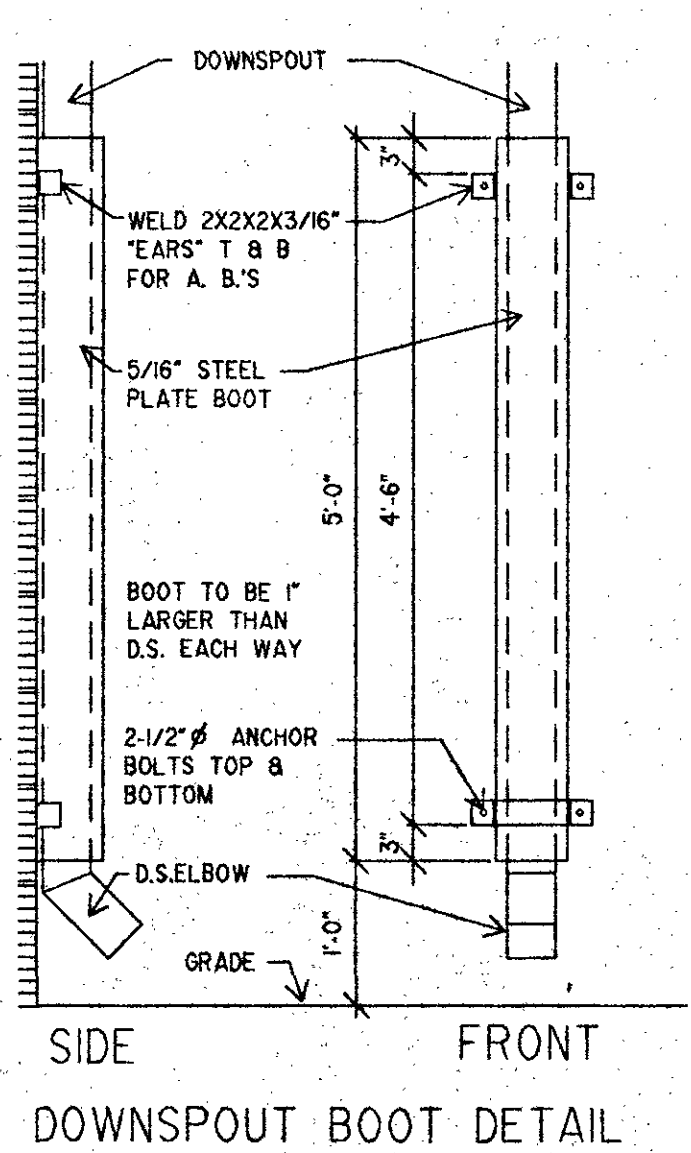
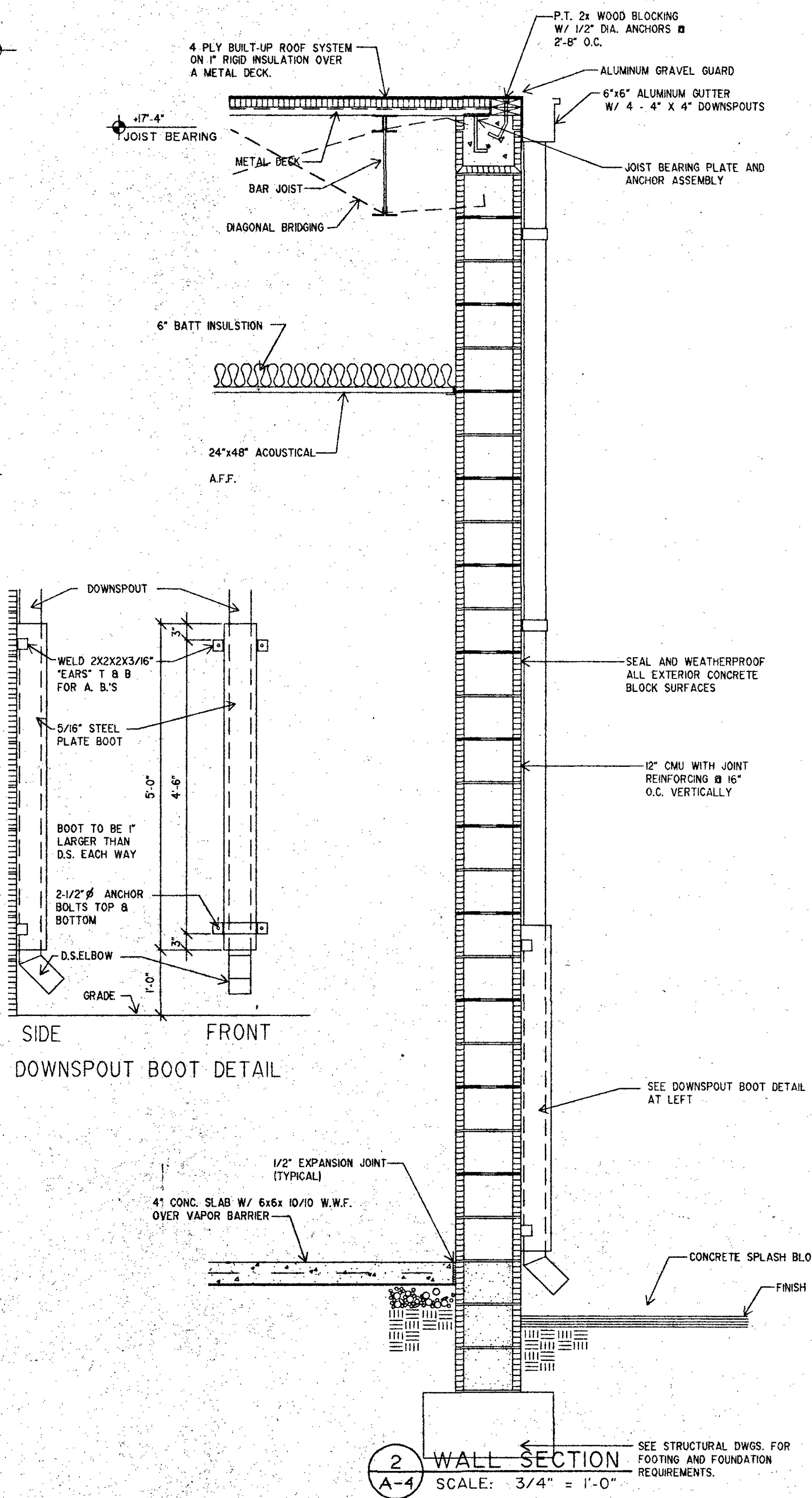
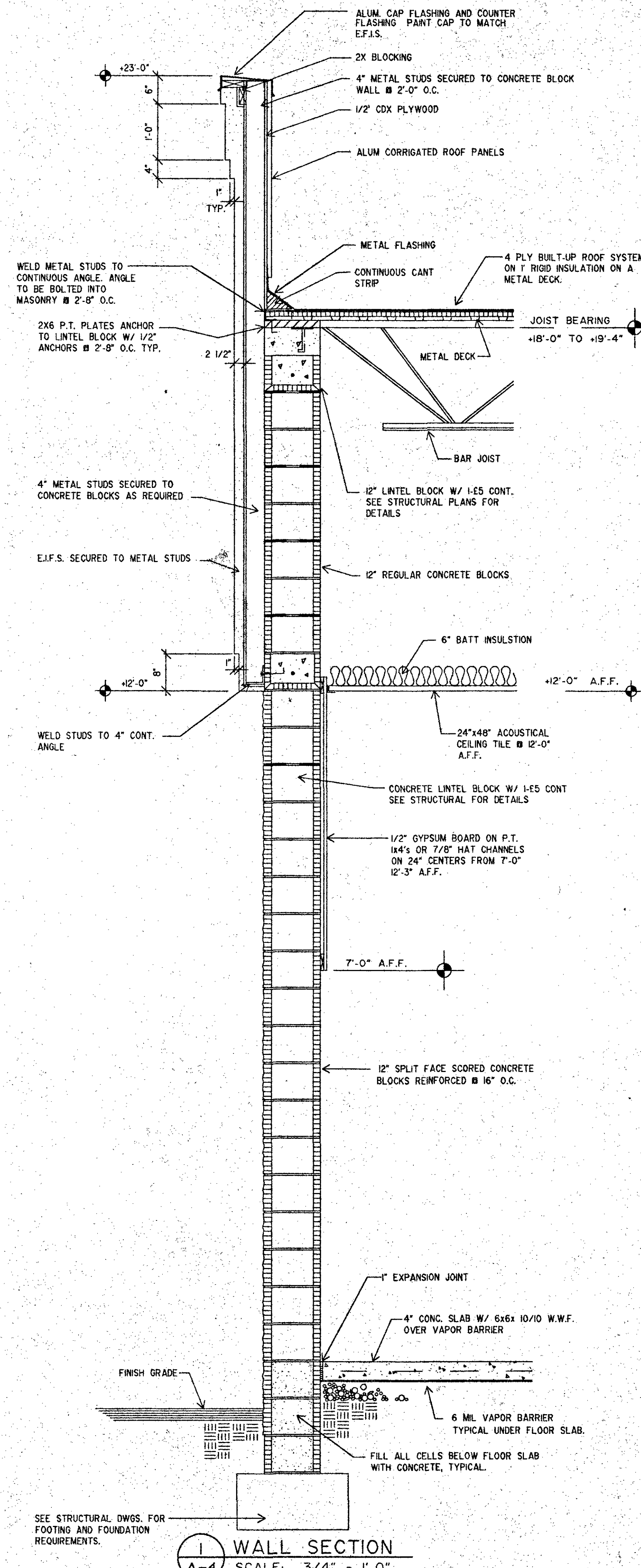
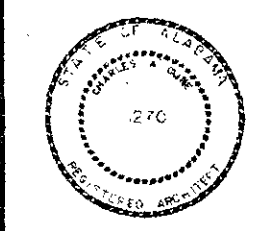
HARGO
SUPER DRUGS

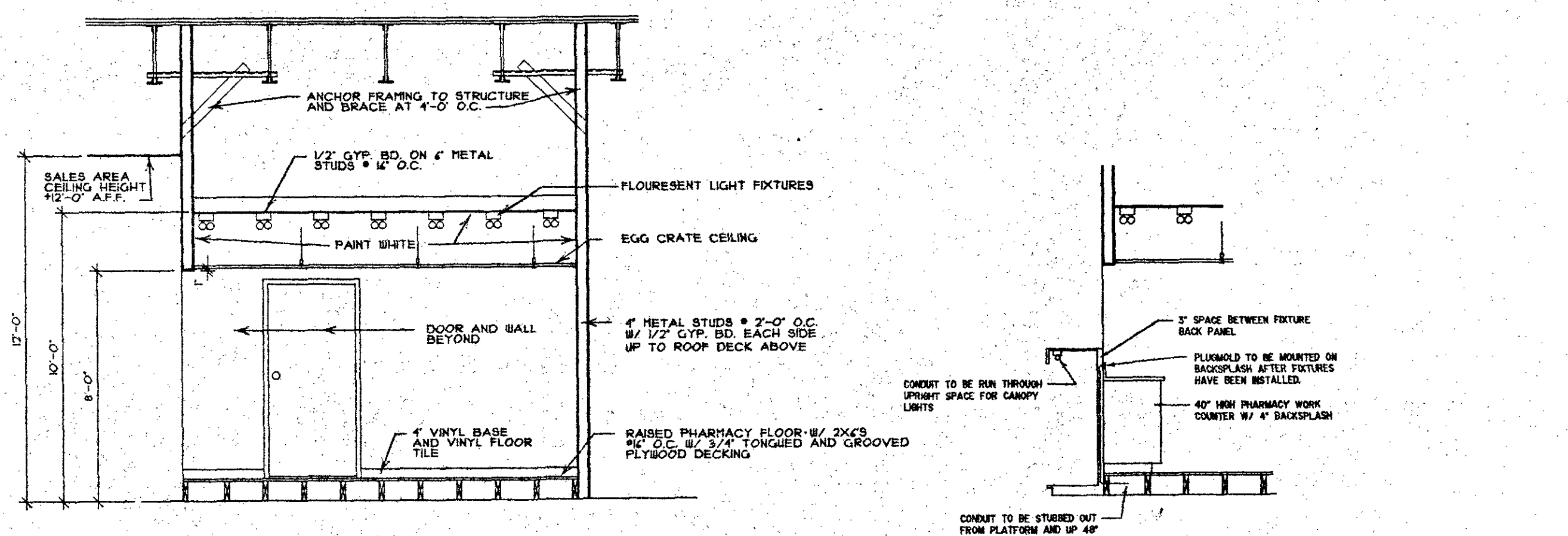
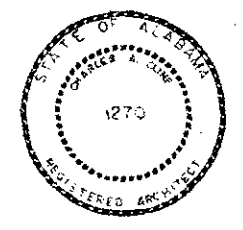
CANOPY SECTION

SHEET
A-3

SEQ.
4

15





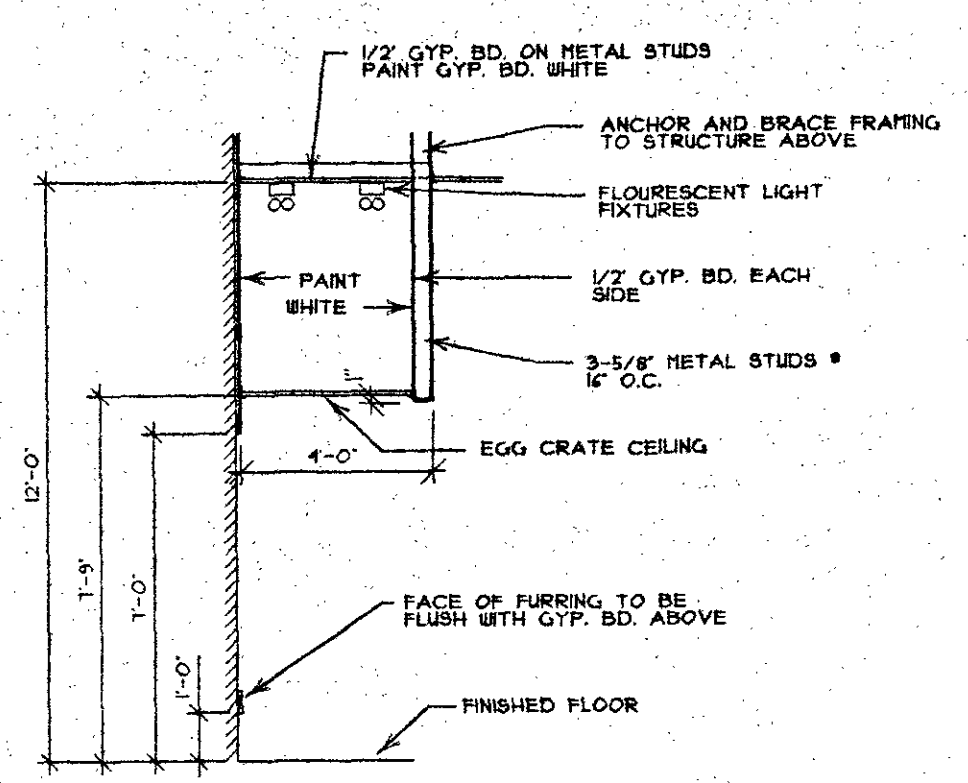
1 WALL SECTION
SCALE: 1/4" = 1'-0"

NOTES:

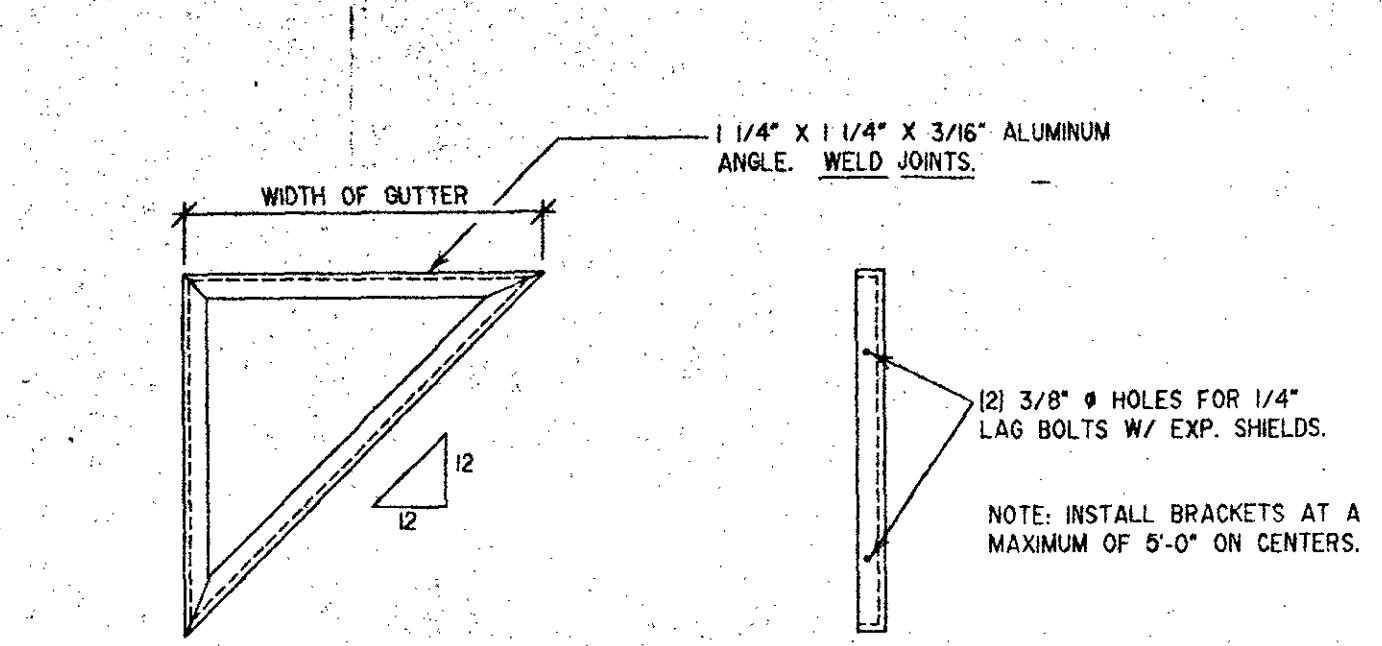
- 1. GENERAL CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING TOILET ACCESSORIES AT EACH TOILET LOCATION:
 - A) TOILET PAPER HOLDER AS-17905, PARKER 1217, AMERICAN B24, BRADLEY 505, BOBRICK 685 OR EQUAL
 - B) MIRROR: B-165-2430 BOBRICK, 710-2430 BRADLEY, 3028 24x30 PARKER OR EQUAL
 - C) PAPER TOWEL DISPENSER: BRADLEY 520, FORT-HOWARD 562-20, BOBRICK 262 or equal.
 - D) SOAP DISH: BOBRICK 972 or equal.

HARCO ROOM FINISH SCHEDULE							
KEY	AREA	FLOOR	BASE	WALLS	CEILING	CEILING HEIGHT	REMARKS
1	SALES AREA	1	3	4/8	6/7	12'-0"	
2	PHARMACY	1	3	4	7/9	7'-6"	GYPSUM BOARD, PAINTED WHITE
3	OFFICE	1	3	4/8	9	8'-0"	GYPSUM BOARD, PAINTED WHITE
4	STOCKROOM	2	9	4/8	6	HIGH AS POSSIBLE	COORDINATE CLG. HT. WITH ALL TRADES, HOLD AS HIGH AS POSSIBLE
5	TOILETS	1	3	4/8	9	8'-0"	GYPSUM BOARD, PAINTED WHITE

* CEILING CONTRACTOR TO FULLY COORDINATE CEILING INSTALLATION WITH CONTRACTORS PERFORMING WORK IN THIS SPACE CRITICAL AREA. INSURE ALL EFFORTS ARE MADE TO HOLD CEILING AT HEIGHTS SHOWN, AND CONTRACTORS PERFORMING WORK ABOVE THE AREA SHALL DO WORK PRIOR TO INSTALLATION OF THE GRID.



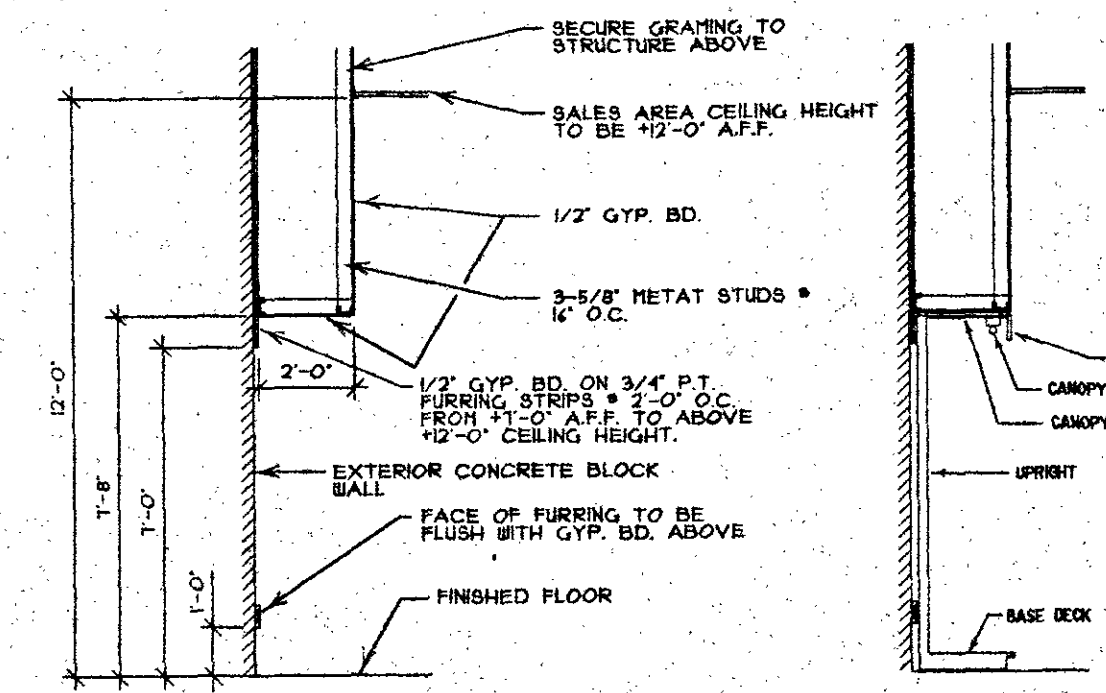
2 WALL SECTION
SCALE: 1/4" = 1'-0"



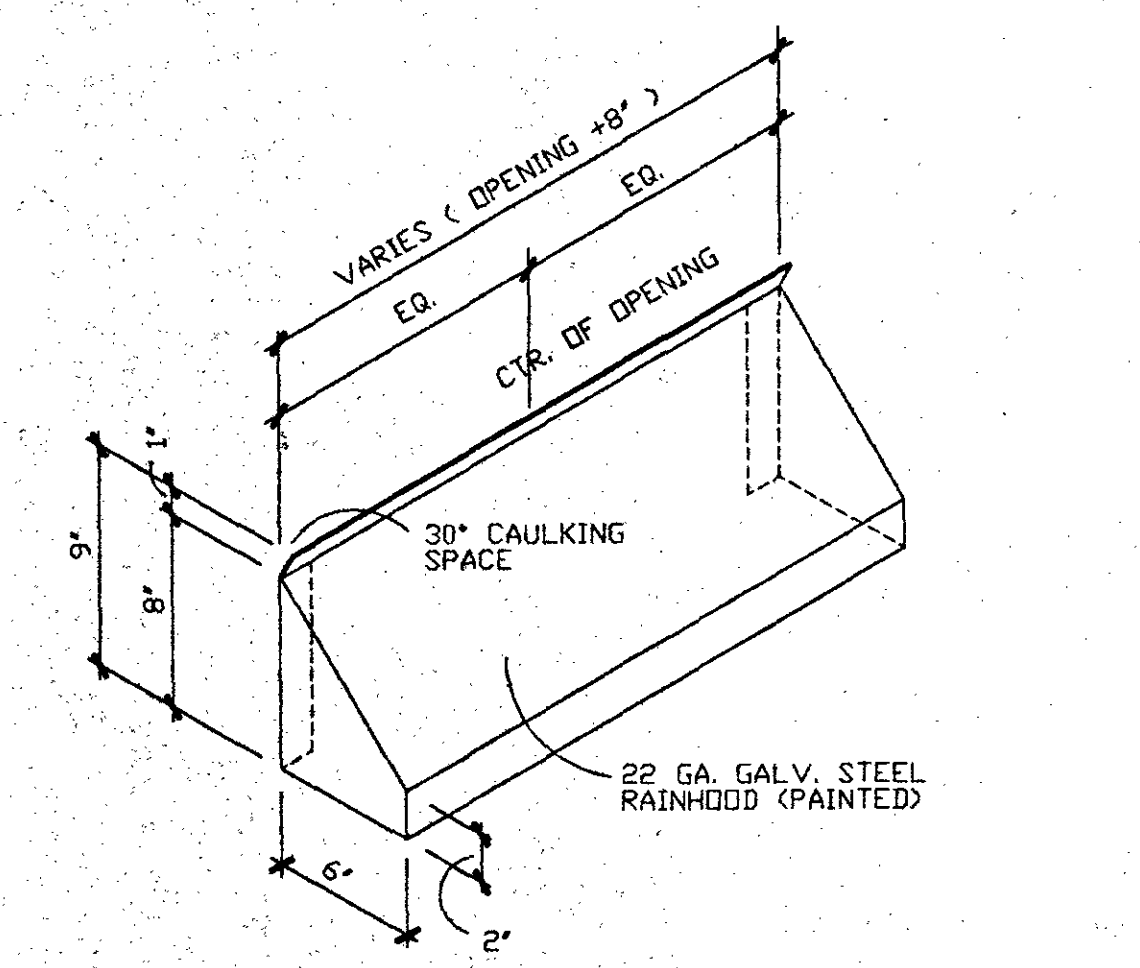
SIDE VIEW BACK VIEW
GUTTER BRACKET DETAIL
NOT TO SCALE

HARCO DOOR SCHEDULE												
MARK	SIZE	TYPE	FRAME	CLOSER		LOCKSET	DEADBOLT	PUSH/PULL	KICK PLATE	WEATHER STRIP	THRESHOLD	REMARKS
				CONCL.	SURFACE							
1	7'-0" x 7'-0"	A	AL.	•			•			•	•	W/ EMERGENCY BREAKOUT PANEL. SEE NOTE 1 BELOW
2	7'-0" x 7'-0"	A	AL.	•			•			•	•	W/ EMERGENCY BREAKOUT PANEL. SEE NOTE 1 BELOW
3	PR 3'-0" x 7'-0"	C	AL.									HARDWARE PER DOOR MFG
4	PR 3'-0" x 7'-0" x 1-3/4"	D	MTL.		•					•	•	PROVIDE SECURITY BAR, SEE DETAIL
5	3'-0" x 6'-8" x 1-3/4"	B	WD.			•						SEE NOTE 2,3
6	3'-0" x 6'-8" x 1-3/4"	B	WD.			•						SEE NOTE 2,3
7	3'-0" x 6'-8" x 1-3/4"	B	WD.			•						SEE NOTE 2,3
8	3'-0" x 6'-8" x 1-3/4"	B	WD.			•						SEE NOTE 2,3

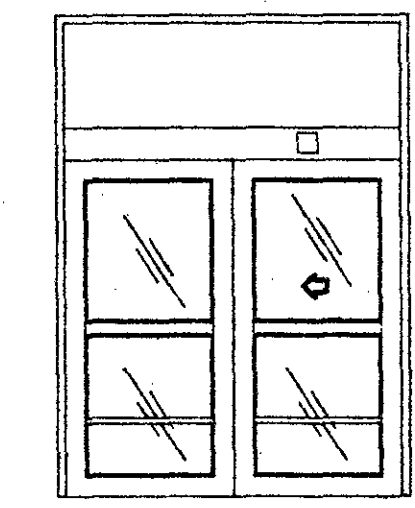
- NOTE 1. DOORS TO BE STANLEY DURA-GLIDE 3000 WITH TRANSOM OR APPROVED EQUAL.
- NOTE 2. PROVIDE YALE PRIVACY SET LF-5302 2 3/8 X 7 5/8 260
- NOTE 3. PROVIDE BUMPERS W1274 CCS 260



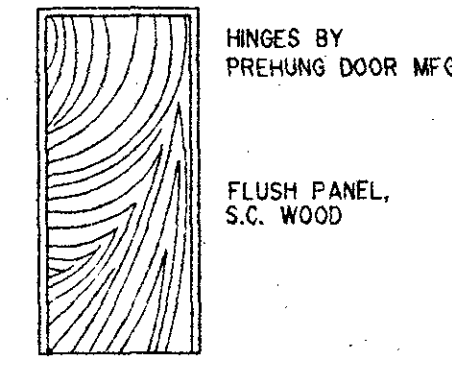
3 WALL SECTION
SCALE: 1/4" = 1'-0"



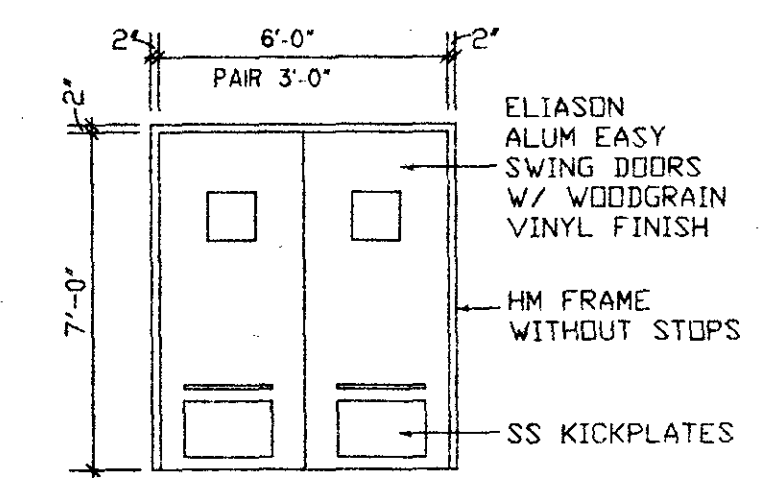
TYPICAL RAINHOOD



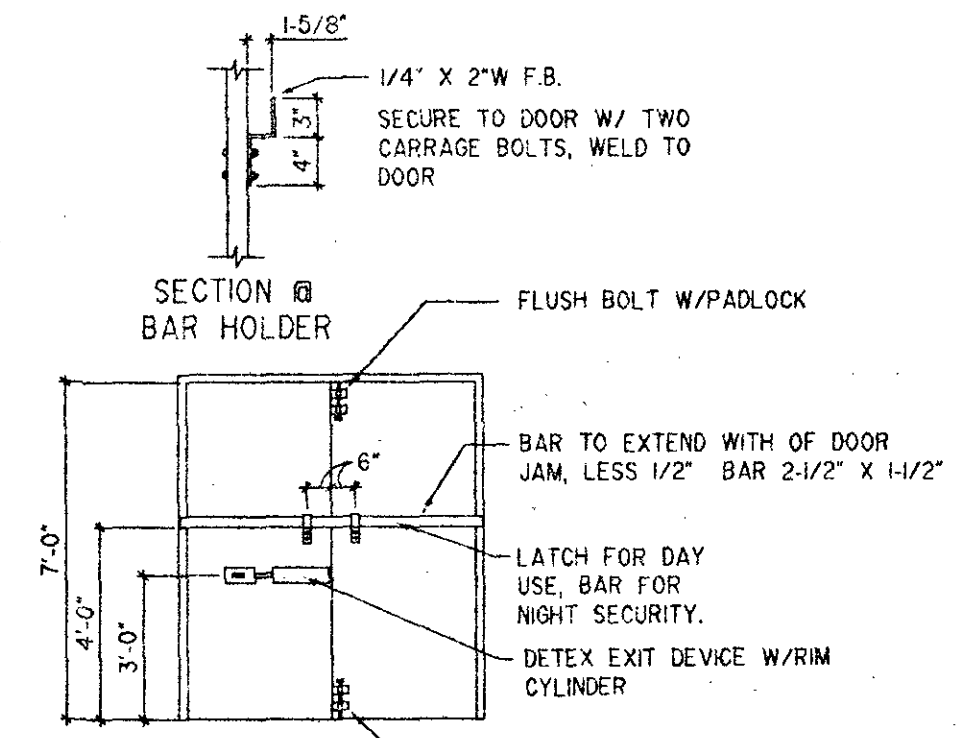
A



B



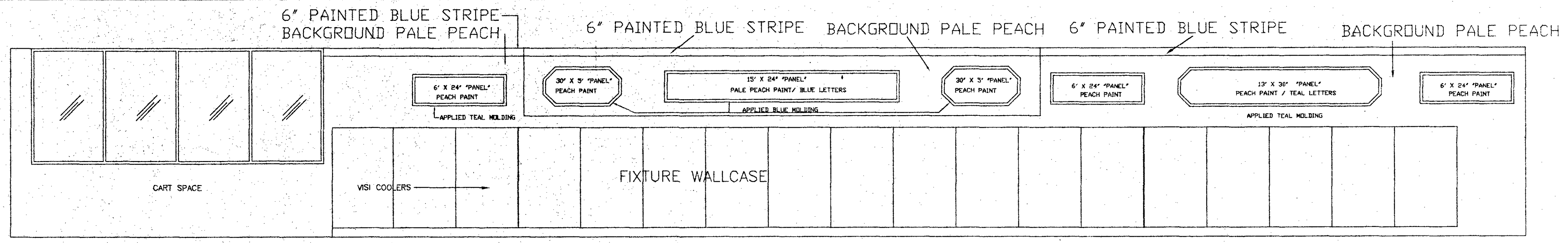
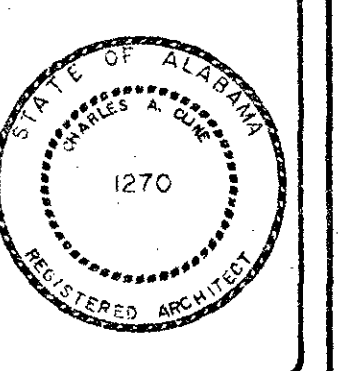
C



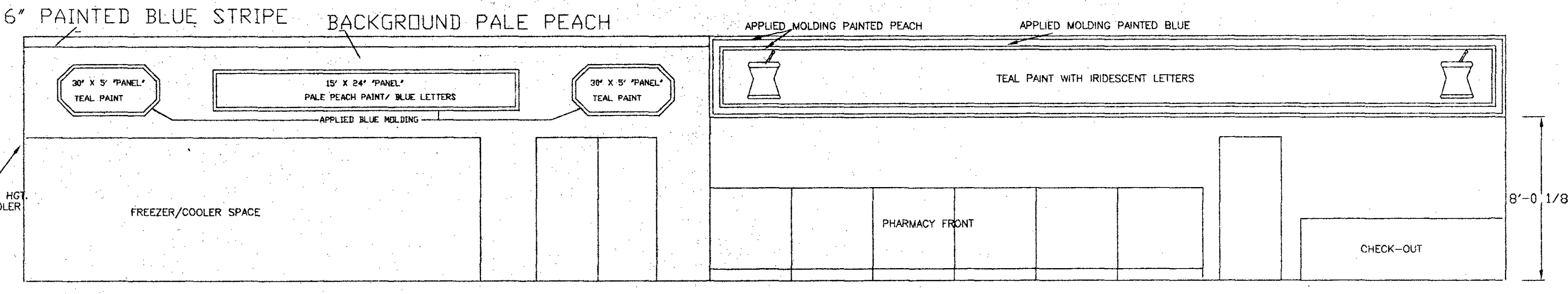
D

DOOR TYPES:

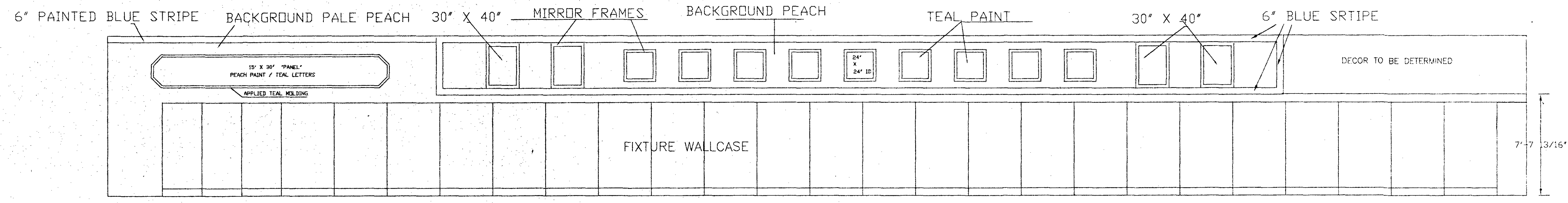
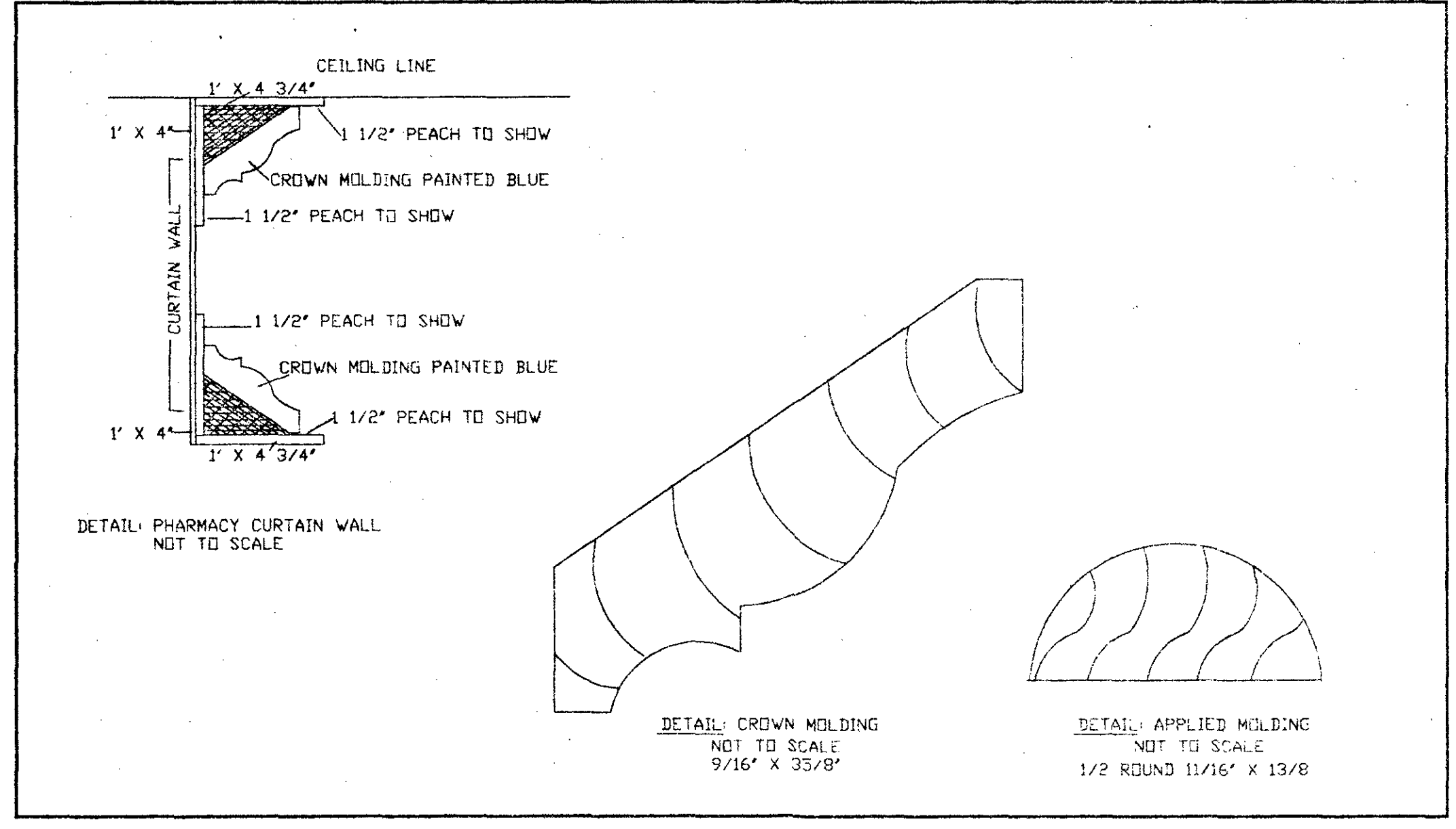
NOTE: USE RUBBER WEATHER STRIPPING, NO THRESHOLD USE NON-REMOVEABLE OUTSIDE PINS.



LEFT WALL ELEVATION

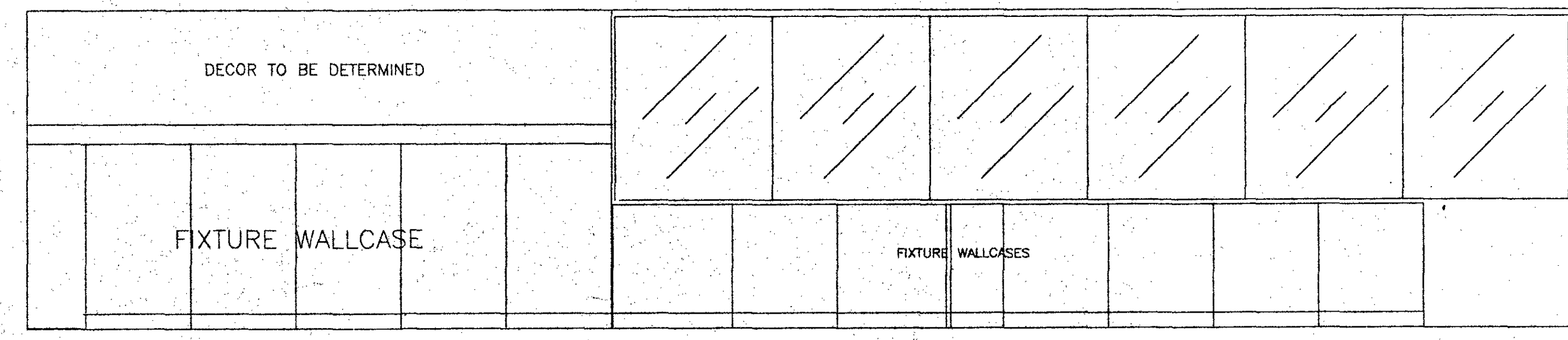


REAR WALL ELEVATION



RIGHT WALL ELEVATION

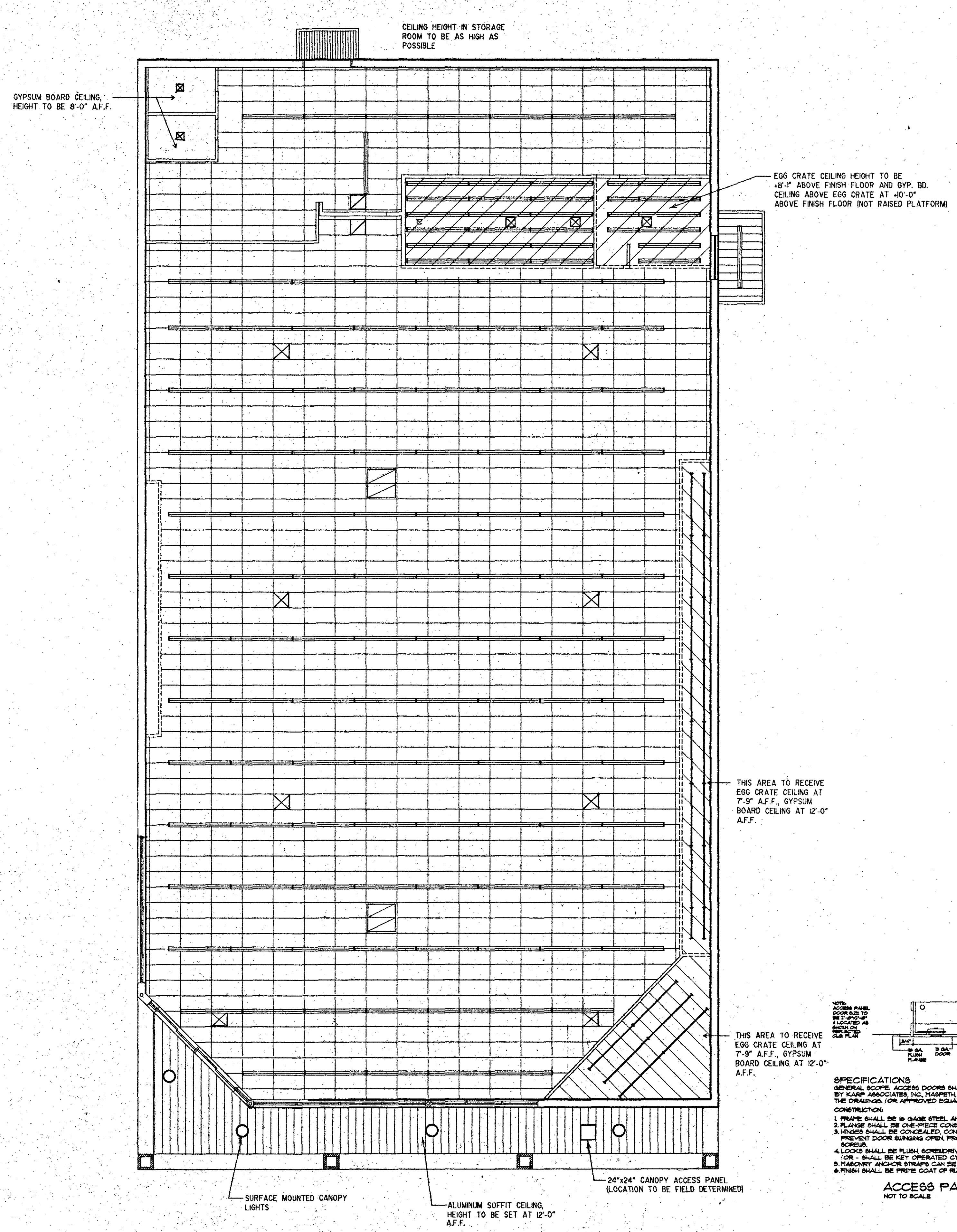
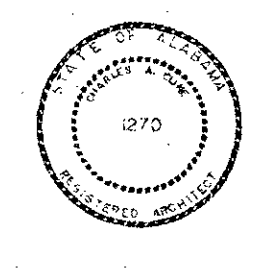
CEILING HGT 12'-0"



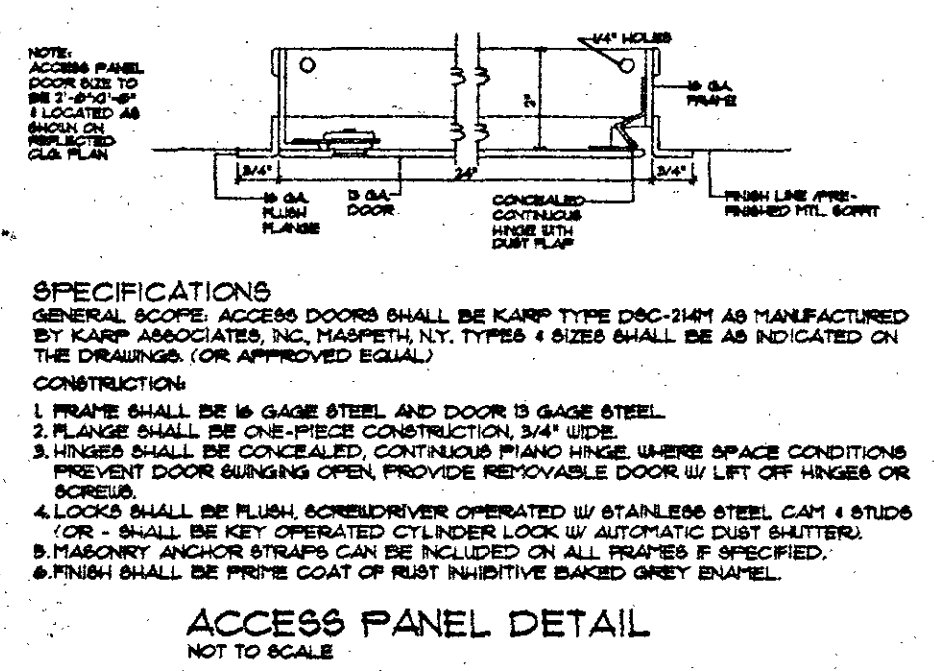
FRONT WALL ELEVATION

DECOR NOTES

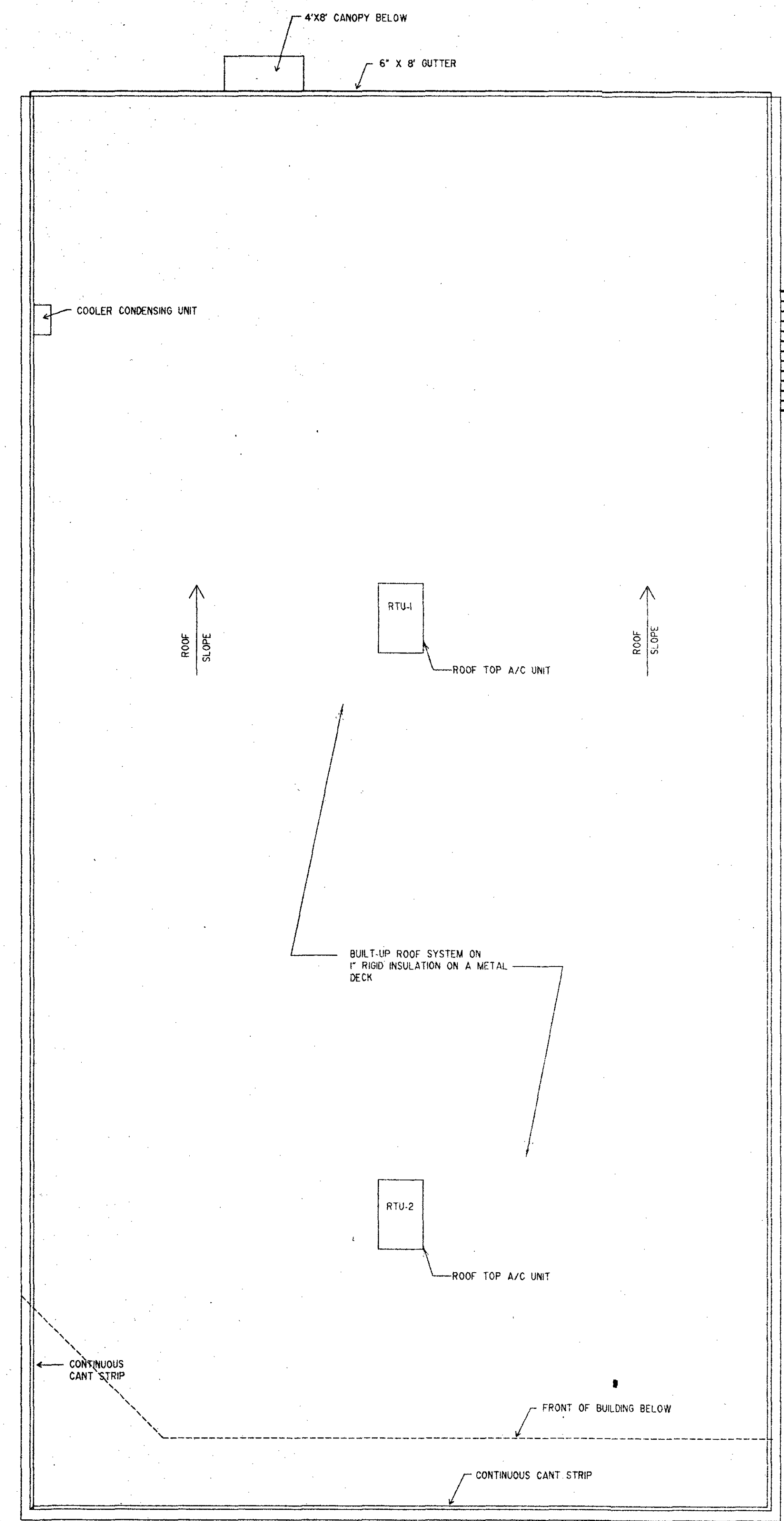
- 1) ALL APPLIED MOLDING IS TO BE BY THE CONTRACTOR
- 2) MIRROR FRAMES AND LETTERS FURNISHED BY H. L. COSHATT CO.
- 3) ALL WALL PAINT TO BE FLAT. ALL MOLDING, TRIM, AND POLES TO BE PAINTED WITH HIGH GLOSS LATEX ENAMEL. POLES AND COLUMNS ARE TO BE PAINTED PALE PEACH
- 4) SEE HARCO SPECIFICATIONS FOR PAINT FORMULAS



REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



SPECIFICATIONS
GENERAL SCOPE: ACCESS DOORS SHALL BE KARP TYPE DDC-1141 AS MANUFACTURED BY KARP ASSOCIATES INC. HAMPDEN, NY. TYPES & SIZES SHALL BE AS INDICATED ON THE DRAWINGS (OR APPROVED EQUAL).
CONSTRUCTION:
1. FRAME SHALL BE 1/2" GAGE STEEL AND DOOR IS GAGE STEEL.
2. FINISH SHALL BE ONE-PIECE CONSTRUCTION 3/4" UGE.
3. HINGES SHALL BE CONCEALED CONTINUOUS PIANO HINGE WHERE SPACE CONDITIONS PREVENT DOOR SWINGING OPEN. PROVIDE REMOVABLE DOOR W/ LIFT OR HINGES OR SCREWS.
4. LOCKS SHALL BE FLUSH SCREWDRIVER OPERATED W/ STAINLESS STEEL CAM & STUDS (OR - SHALL BE KEY OPERATED CYLINDER LOCK W/ AUTOMATIC DUST SHUTTER).
5. MASONRY ANCHOR STRIPS CAN BE INCLUDED ON ALL FRAMES IF SPECIFIED.
6. FINISH SHALL BE PRIME COAT OF RUST INHIBITIVE BAKED GREY ENAMEL.

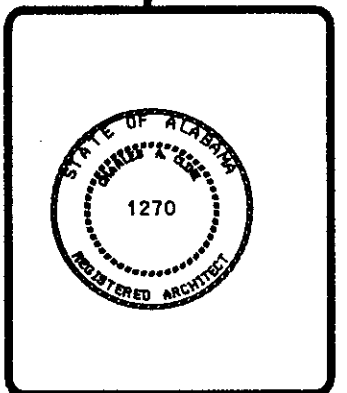


ROOF PLAN
SCALE: 1/8" = 1'-0"

RAISED RIB PREFINISHED METAL ROOF PANELS ON CANOPY BELOW

STRUCTURAL NOTES

11/13/84
G.L.D.
11/13/84



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HARCO FREE STANDING
MILLBROOK, ALABAMA

HARCO
SUPER DRUGS

FOUNDATION DETAILS

SHEET
S-2

3

SEQ.
10

15

APPLICABLE CODES AND SPECIFICATIONS

- STANDARD BUILDING CODE
- AMERICAN CONCRETE INSTITUTE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
- AMERICAN IRON AND STEEL INSTITUTE
- AMERICAN SOCIETY FOR TESTING AND MATERIALS
- AMERICAN WELDING SOCIETY
- NATIONAL CONCRETE MASONRY ASSOCIATION
- STEEL JOIST INSTITUTE
- STEEL DECK INSTITUTE

DESIGN LOADS

- A. ROOF LIVE LOAD (ON HORIZONTAL PROJECTION)
 - FOR MEMBERS SUPPORTING 0-200 SQ. FT. 20 psf
 - FOR MEMBERS SUPPORTING 200-600 SQ. FT. 16 psf
 - FOR MEMBERS SUPPORTING MORE THAN 600 SQ. FT. 12 psf
- B. WIND LOAD
 - BASIC WIND VELOCITY 90 mph
 - BASIC WIND LOAD PRESSURE (q) 18 psf
 - NET ROOF UPLIFT 5 psf

FOUNDATIONS

FOUNDATIONS ARE DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 2000 psf FOR SQUARE COLUMN FOOTINGS AND 2000 psf FOR CONTINUOUS WALL FOOTINGS. FOOTINGS SHALL BE PLACED ON A FIRM STRATA CAPABLE OF SAFELY SUSTAINING THESE LOADS.

FILL UNDER FOOTINGS SHALL BE COMPACTED TO 98% STANDARD PROCTOR DENSITY (ASTM D-698). SEE SPECIFICATIONS FOR COMPACTION AND TESTING REQUIREMENTS.

FOOTING ELEVATIONS SHOWN ON PLAN ARE MINIMUM DEPTH.

UNUSUAL SOILS CONDITIONS MAY REQUIRE CHANGE IN FOOTING ELEVATION. CONTACT ARCHITECT AND/OR ENGINEER FOR APPROVAL TO CHANGE ELEVATION.

SLAB ON GRADE

UNLESS OTHERWISE NOTED, ALL SLABS ON GRADE SHALL BE REINFORCED WITH ONE LAYER 6X6-10/10 W.W.F. PLACED AT 1/3 SLAB THICKNESS FROM TOP.

FILL UNDER SLAB SHALL BE COMPACTED TO 98% STANDARD PROCTOR DENSITY (ASTM D-698). SEE SPECIFICATIONS FOR COMPACTION AND TESTING REQUIREMENTS.

CONCRETE (CAST-IN-PLACE)

MINIMUM COMPRESSIVE STRENGTH OF CAST-IN-PLACE CONCRETE AT 28 DAYS SHALL BE:

- FOUNDATIONS 2500 psi
- SLAB ON GRADE 3000 psi

SEE SPECIFICATIONS FOR TESTING REQUIREMENTS.

REINFORCING STEEL

REINFORCING BARS SHALL BE DEFORMED BILLET STEEL BARS CONFORMING TO ASTM A615 SPECIFICATIONS. WELDED STEEL WIRE FABRIC SHALL BE PLAIN STEEL WIRE CONFORMING TO ASTM A185 SPECIFICATIONS.

MINIMUM YIELD STRENGTHS (fy) SHALL BE AS FOLLOWS:

- REINFORCING BARS 40,000 psi
- WELDED WIRE FABRIC 65,000 psi

UNLESS OTHERWISE DETAILED, PROTECTIVE CONCRETE COVER FOR REINFORCING STEEL SHALL NOT BE LESS THAN:

- A. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3 in.
- B. EXPOSED TO EARTH OR WEATHER
 - #5 BARS AND LARGER 2 in.
 - #5 BARS AND SMALLER 1-1/2 in.

LAP ALL CONTINUOUS REINFORCEMENT 24 DIAMETERS MINIMUM, UNLESS OTHERWISE NOTED. AT CORNERS AND INTERSECTIONS, PROVIDE HOOKS OR CORNER BARS. AT EXTERIOR BUILDING CORNERS, PROVIDE 10'-0" X 10'-0" CORNER BARS, SAME SIZE AND NUMBER AS DETAILED HORIZONTAL REINFORCEMENT, IN TOP OF CONTINUOUS FOOTING.

REINFORCEMENT IN CONTINUOUS FOOTINGS SHALL BE CONTINUOUS THRU SPREAD FOOTINGS.

DOWEL ALL FOOTINGS, GRADE BEAMS AND WALLS, WHERE THEY ABUT, WITH SAME STEEL AS DETAILED HORIZONTAL REINFORCEMENT, 24 DIAMETERS MINIMUM LAP.

MASONRY

HOLLOW CONCRETE MASONRY UNITS, WHEN USED IN BEARING WALLS, SHALL CONFORM TO THE REQUIREMENTS OF ASTM C90. MORTAR SHALL BE TYPE N, WITH A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 750 psi, OR HIGHER.

SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DETAILS OF MASONRY CONTROL JOINTS. LOCATE CONTROL JOINTS AT EACH STEEL COLUMN AND 30'-0" MAXIMUM EXCEPT WHEN SHOWN CLOSER ON ARCHITECTURAL.

HORIZONTAL JOINT REINFORCEMENT SHALL BE FOR TOTAL WIDTH OF SINGLE AND MULTIPLE UNIT WALLS, AND SHALL BE SPACED VERTICALLY AS INDICATED ON DRAWINGS.

ALL U-BLOCK BEAMS SHALL BE REINFORCED AS INDICATED ON DRAWINGS, HOOKED AT CORNERS AND INTERSECTIONS. WHERE BOND BEAM REINFORCEMENT INTERSECTS STEEL BEAMS OR COLUMNS, REINFORCEMENT SHALL BE WELDED TO OR CONTINUOUS THRU BEAM OR COLUMN.

REINFORCE BUILDING CORNERS, SHOWN ON PLAN, WITH 1-#5 VERTICAL IN EACH OF THREE CONCRETE FILLED CORNER CELLS DOWELLED TO FOUNDATION AND HOOKED WITH BOND BEAM AT ROOF.

GROUT FILL VOIDS AROUND COLUMNS IN MASONRY WALLS TO PROVIDE FULL KEY TO ADJACENT MASONRY. BRACE STEEL COLUMNS IN MASONRY WALLS WITH 2-#3 X 6'-0" THRU HOLES IN COLUMNS @ 6'-0" O.C. VERTICALLY, ANCHORED IN MASONRY JOINT.

STRUCTURAL STEEL, STEEL JOIST

MINIMUM MATERIAL STRENGTHS SHALL BE AS FOLLOWS:

- STRUCTURAL STEEL 36 ksi yield point
- STEEL JOISTS (LH SERIES) 50 ksi yield point
- COLD FORMED STUDS 33 ksi yield point
- ANCHOR BOLTS A-36
- BOLTED STRUCTURAL JOINTS A-325X
- WELD ELECTRODES E70XX

UNLESS OTHERWISE NOTED OR DETAILED, ALL CONNECTIONS ARE FOR TYPE 2 CONSTRUCTION AND SHALL BE DESIGNED USING THE APPROPRIATE DATA FROM PART 4, AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION. DESIGN END REACTION IS 80% OF TOTAL ALLOWABLE LOAD (80% W_{CL}) FROM PART 2, AISI.

PREFABRICATED WOOD TRUSSES

ALL PREFABRICATED WOOD TRUSS ELEMENTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN STRICT ACCORDANCES WITH APPLICABLE CODES AND SPECIFICATIONS TO SUPPORT ALL LIVE LOADS NOTED ABOVE, DEAD LOADS AND CONCENTRATED LOADS. REQUIRED LATERAL BRACING (TEMPORARY AND PERMANENT) SHALL BE DESIGNED AND NOTED ON ERECTION DRAWINGS BY THE MANUFACTURER.

VERIFY ALL DIMENSIONS AND DETAILS SHOWN. NOTIFY ARCHITECT AND/OR ENGINEER OF ANY REQUIRED MODIFICATIONS.

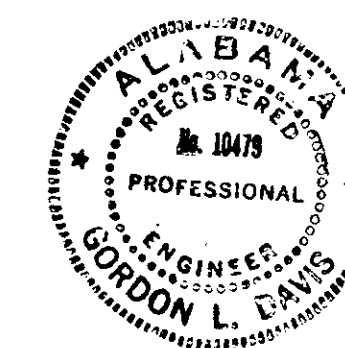
SUBMIT DESIGN DRAWINGS BEARING THE ENGINEER'S REGISTRATION SEAL OF THE DESIGN ENGINEER.

TIMBER FRAMING

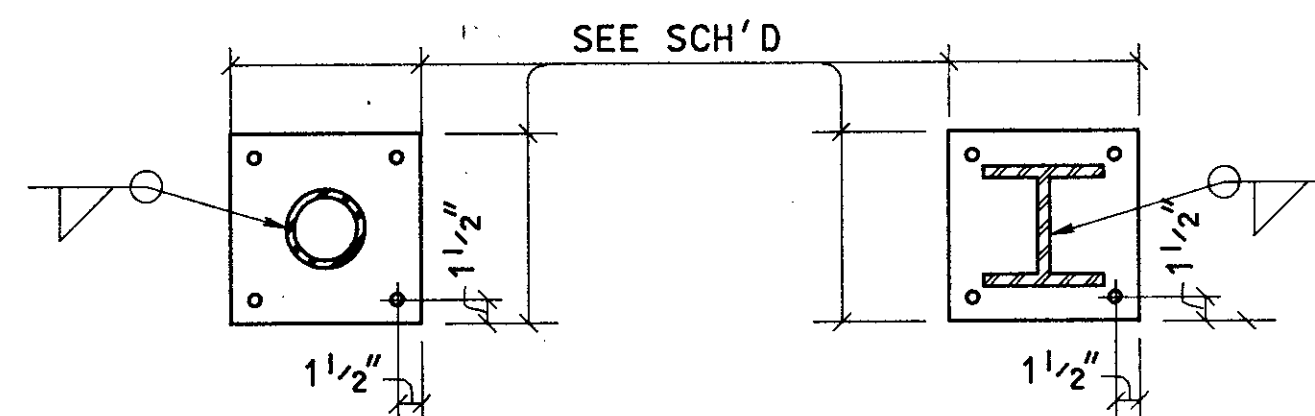
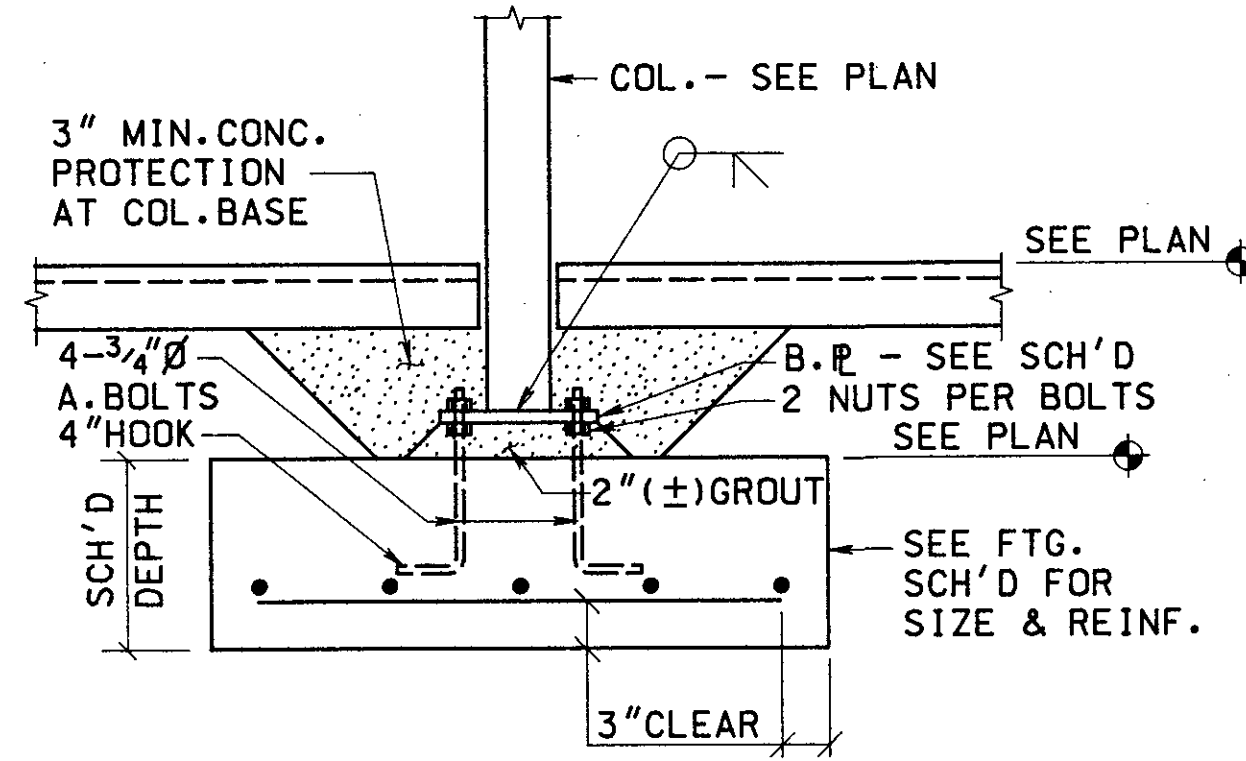
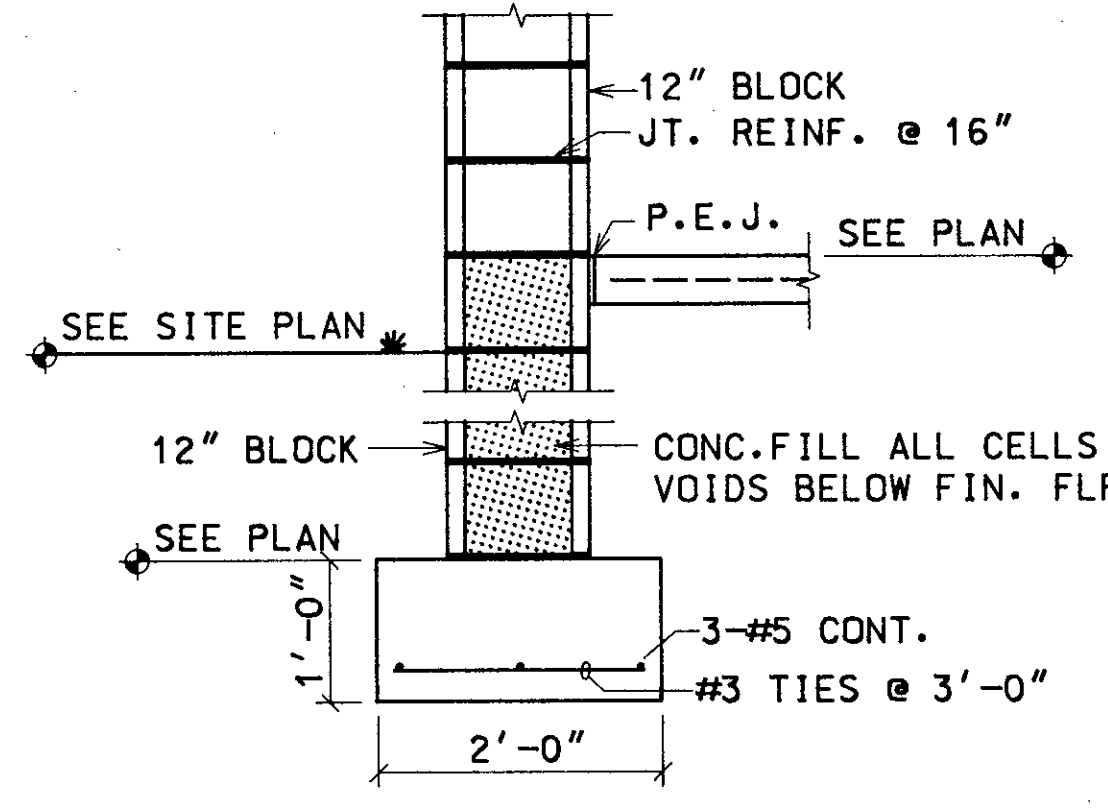
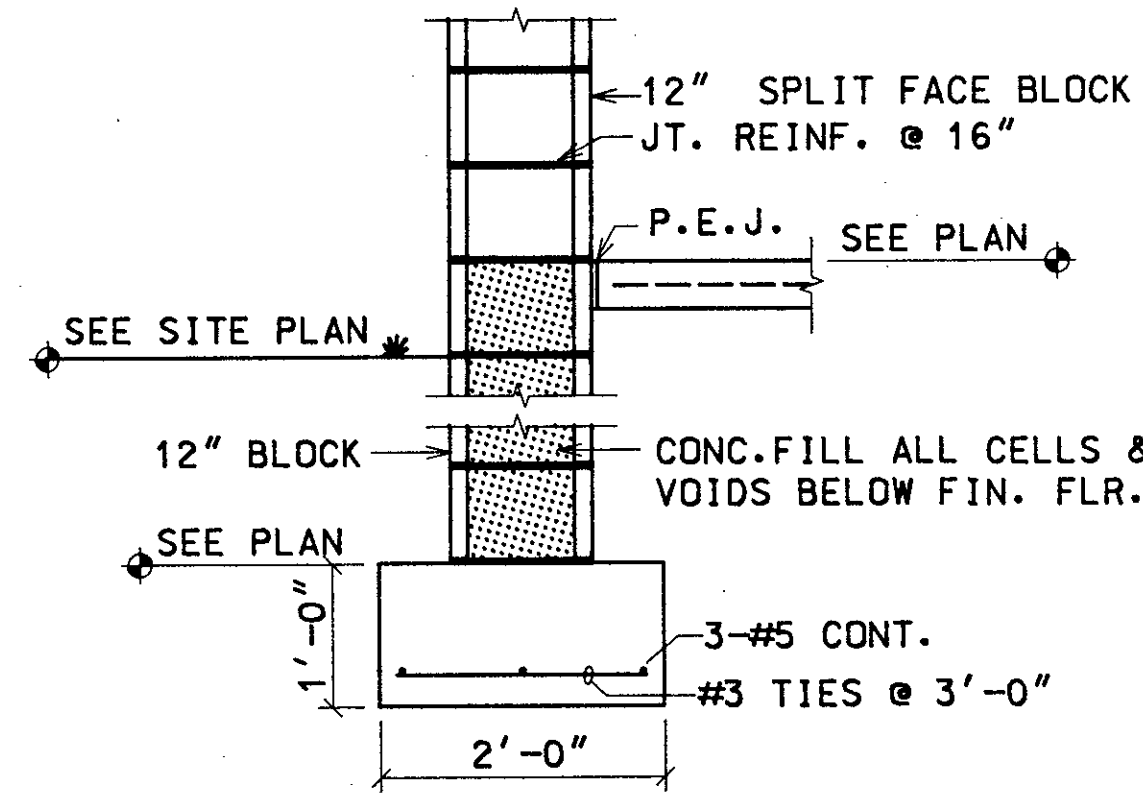
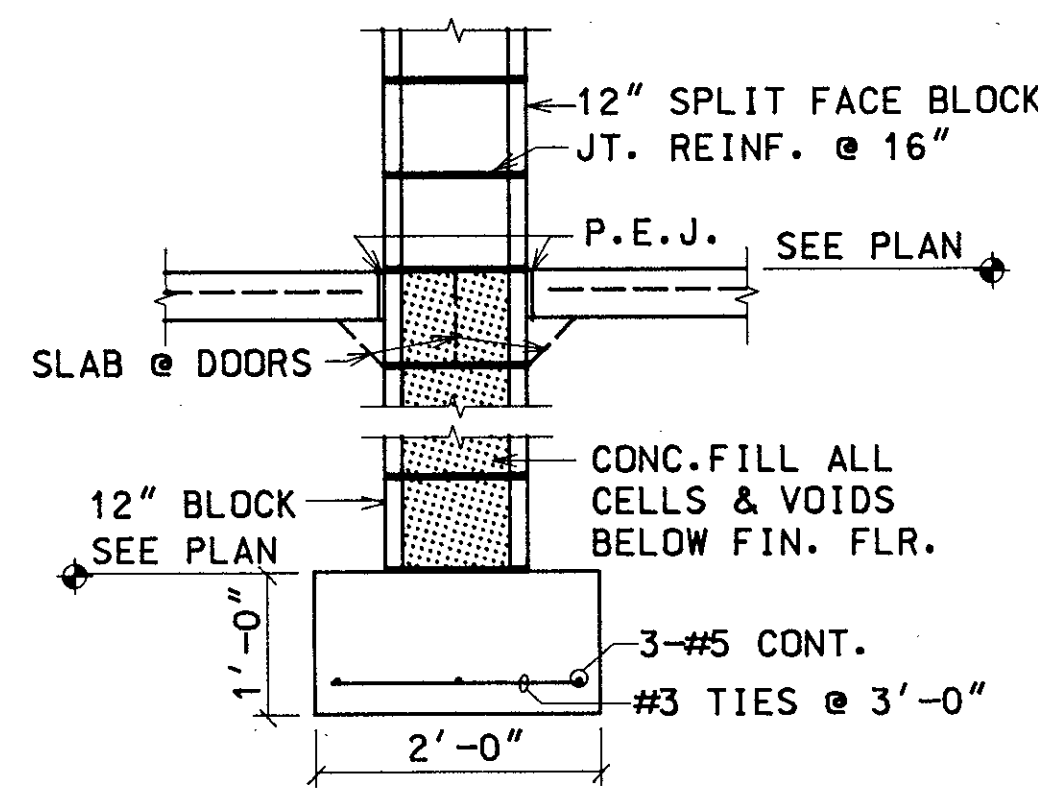
MINIMUM MATERIAL STRENGTHS SHALL BE AS FOLLOWS:

- TIMBER FRAMING 1200f-1.5E

UNLESS OTHERWISE NOTED OR DETAILED, ALL MEMBER CONNECTIONS SHALL HAVE STANDARD GALVANIZED METAL FRAMING ANCHORS OR CLIPS CONNECTING MEMBERS CARRYING ANY COMBINATION OF DEAD, LIVE AND WIND LOADS.

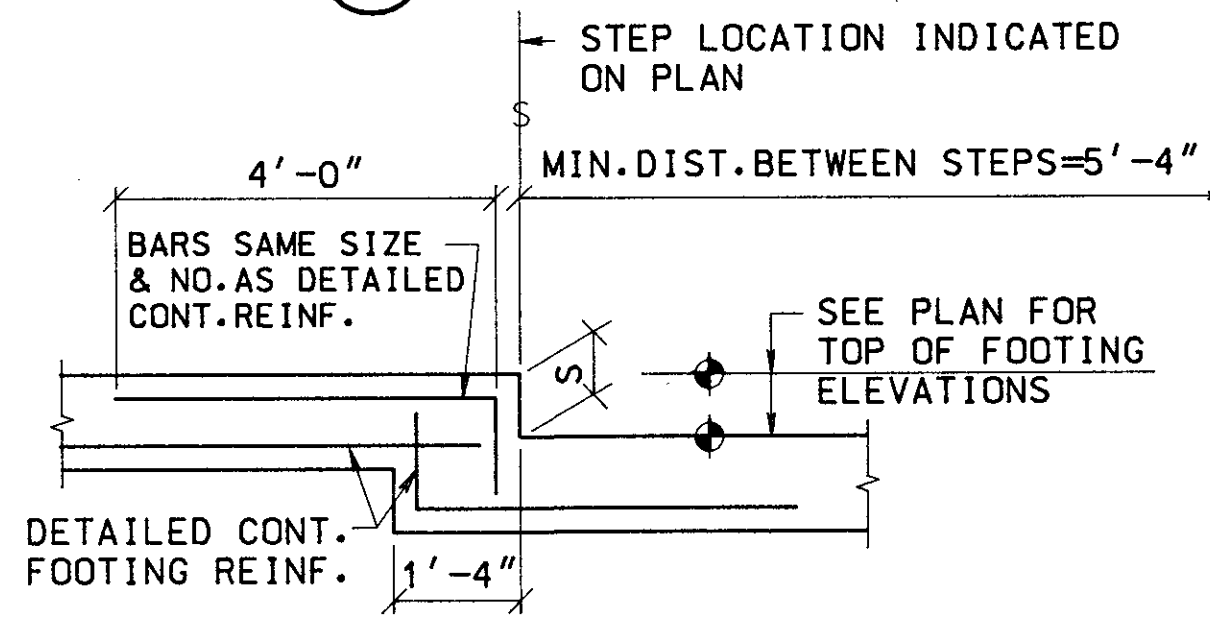
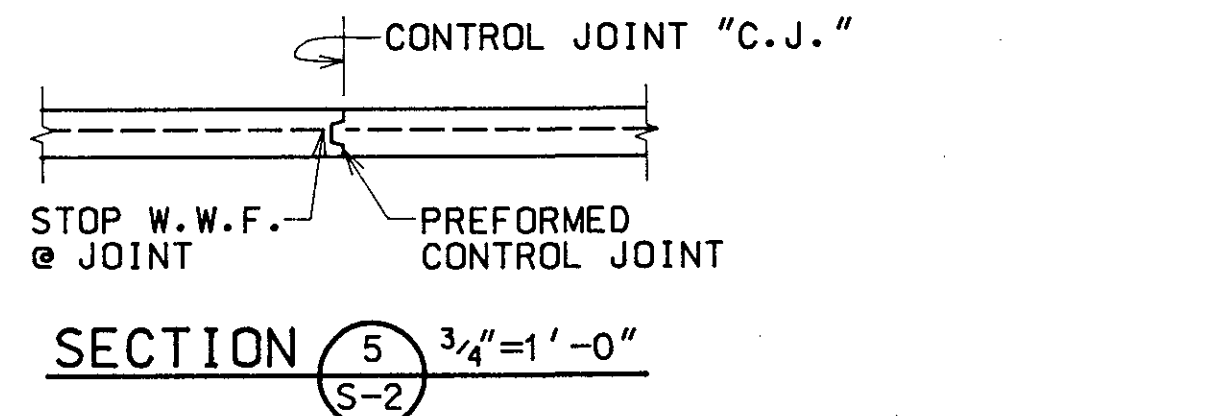


Gordon L. Davis
11/13/84
DAVIS ENGINEERING, INC.
CONSULTING STRUCTURAL ENGINEER
P.O. BOX 4216
MONTGOMERY, ALABAMA 36103
(205) 265-3366



BASE PLATE SCHEDULE

COLUMN	BASE PLATE
4" OS	3/4" x 10" x 0'-10"
W8x18	1" x 14" x 1'-2"
W8x21	1" x 14" x 1'-2"



SPREAD FOOTING SCHEDULE

MARK	SIZE	REINF. EA. WAY
SF-1	2'-0" x 2'-0" x 1'-0"	3-#4
SF-2	2'-6" x 2'-6" x 1'-0"	3-#5
SF-3	3'-0" x 3'-0" x 1'-0"	4-#5
SF-4	3'-6" x 3'-6" x 1'-0"	4-#5
SF-5	4'-0" x 4'-0" x 1'-0"	4-#5
SF-6	4'-6" x 4'-6" x 1'-0"	4-#6
SF-7	5'-0" x 5'-0" x 1'-2"	5-#6

LINTEL SCHEDULE

LOCATION	MAX. SPAN	DESCRIPTION
OPENING IN 12" WALL	3'-4"	12 x 8 U-BLOCK w/1-#5 T & B
OPENING IN 12" WALL	6'-4"	W8x15 w/PL 3/8x11-1/2" (BOTTOM)

NOTES:

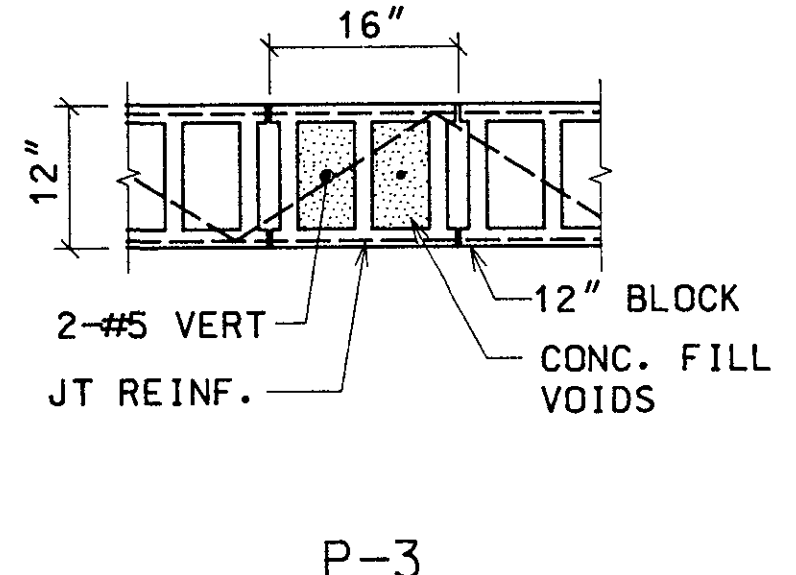
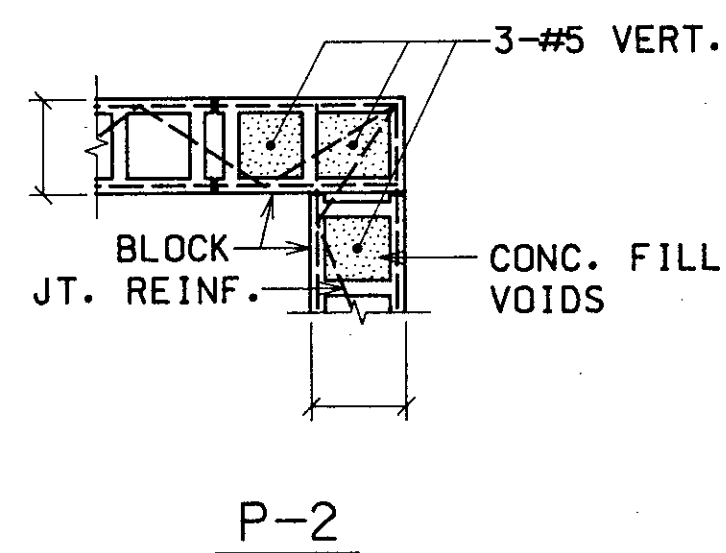
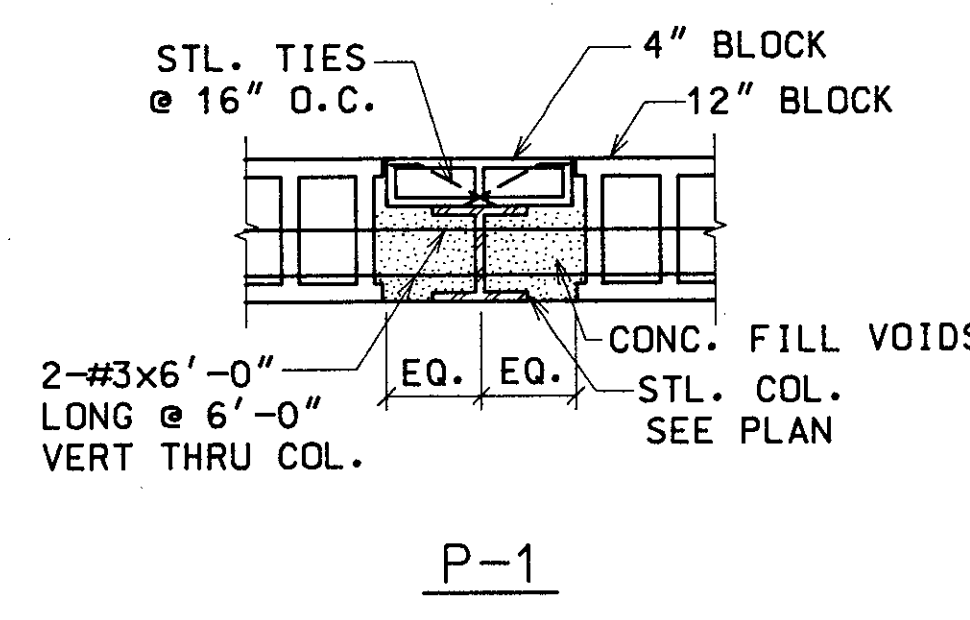
- CONCRETE FILL ALL JAMB CELLS FROM FOUNDATION TO LINTEL BEARING.
- BEAR 8 INCHES MINIMUM EACH END.

SHOP DRAWINGS

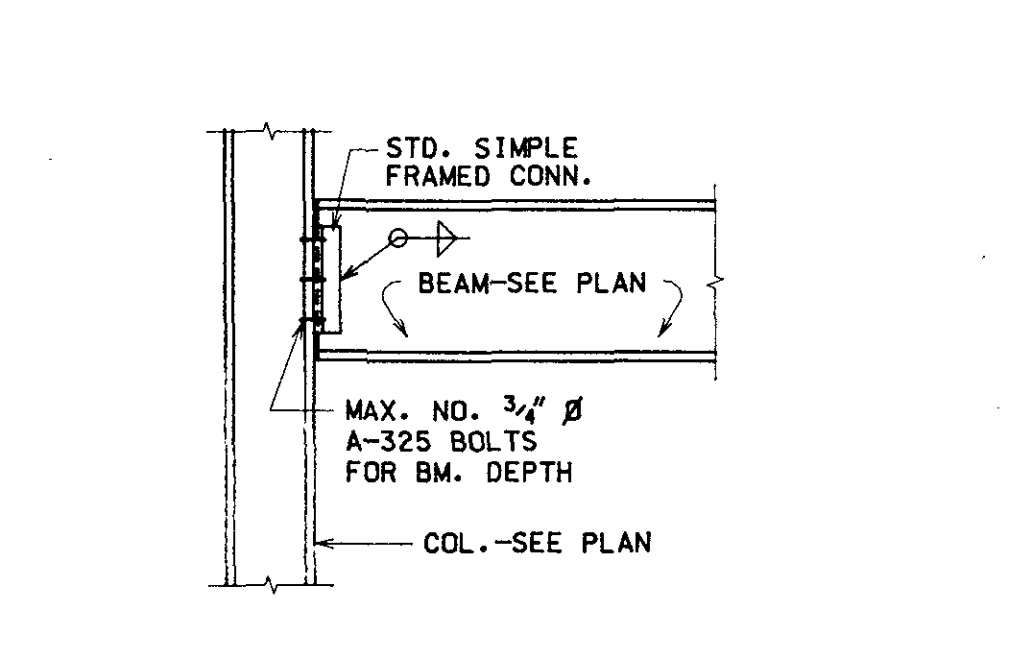
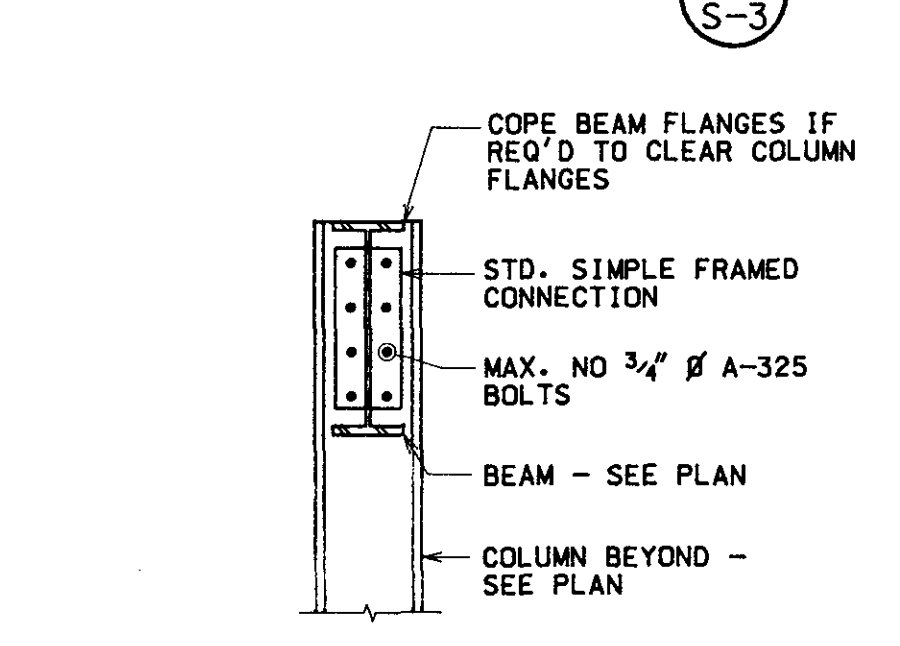
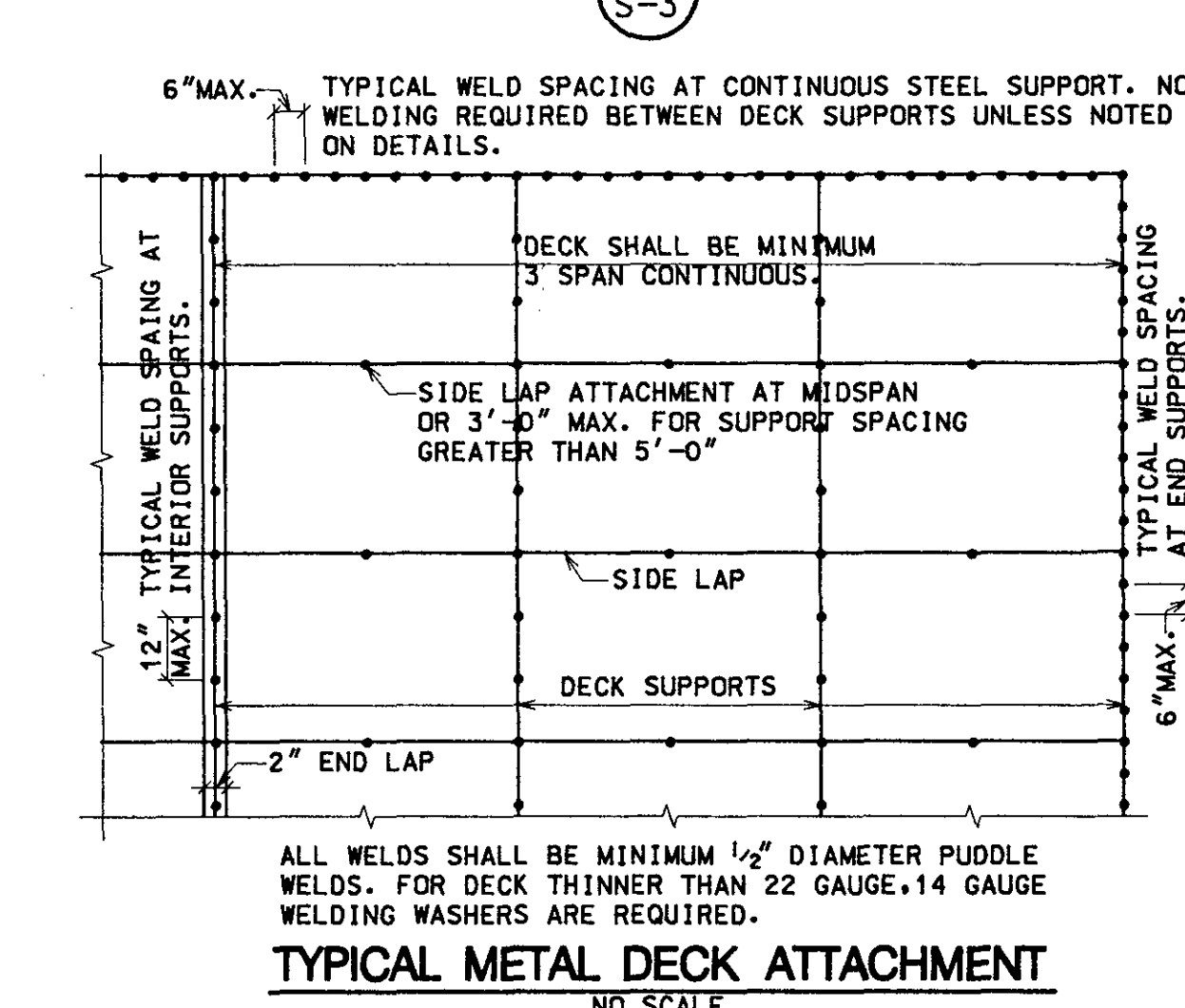
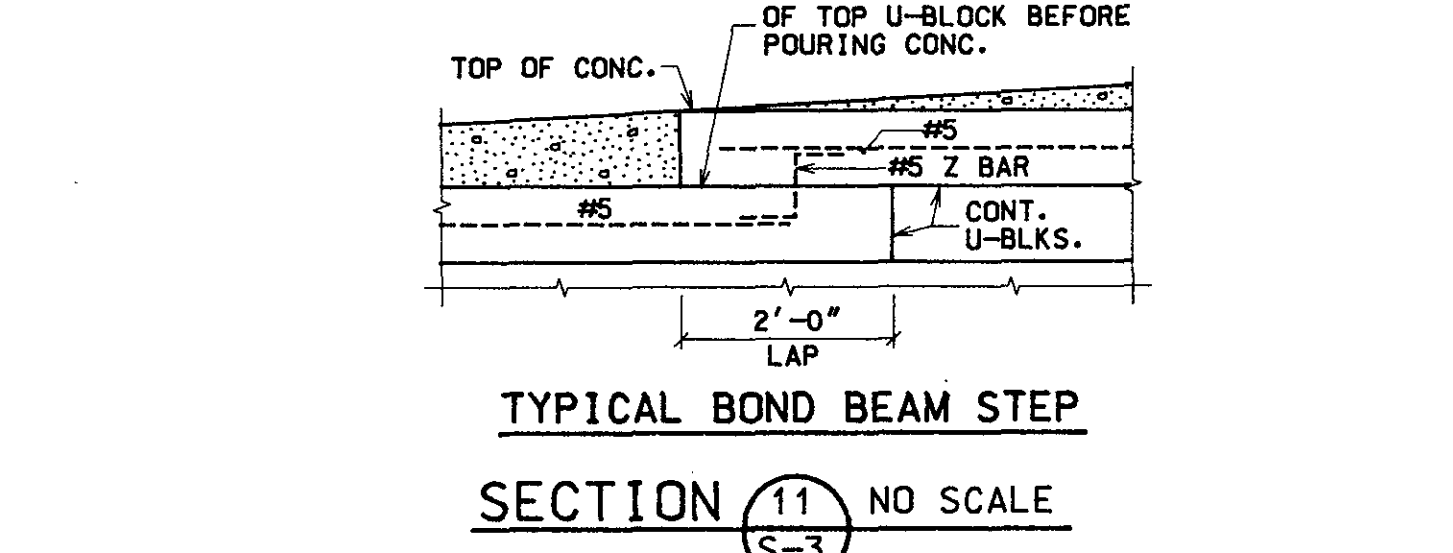
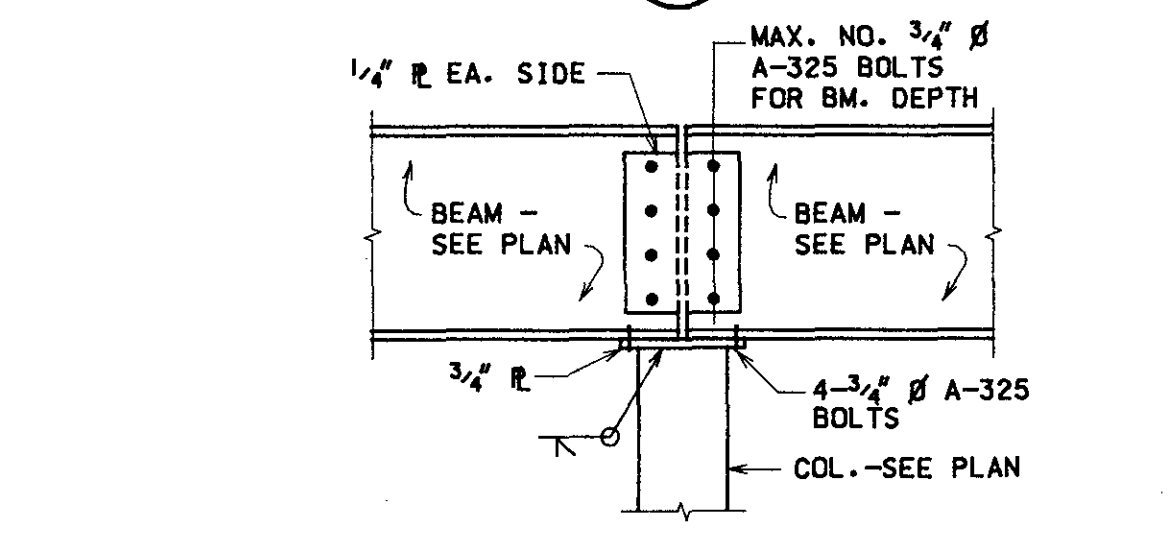
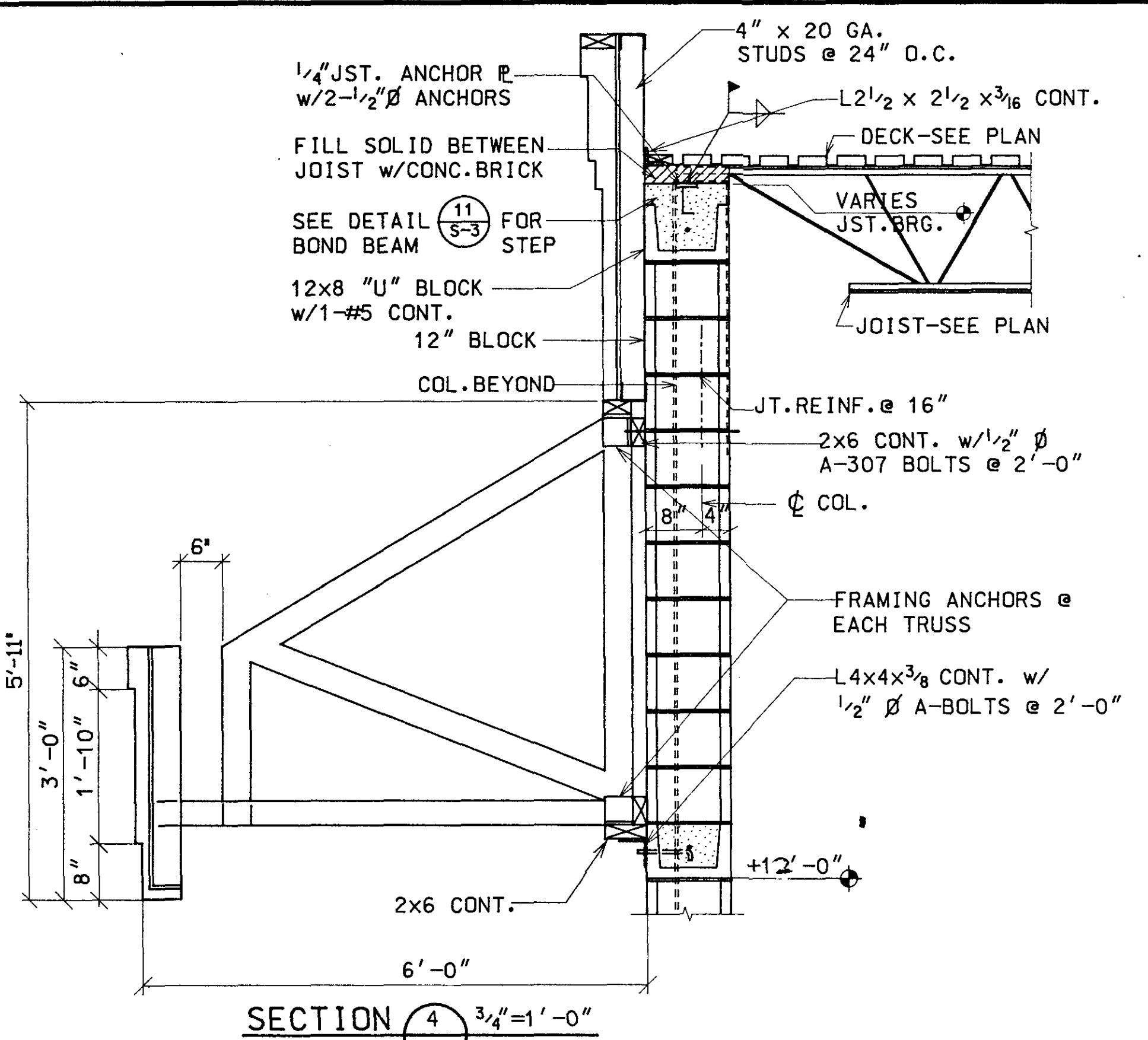
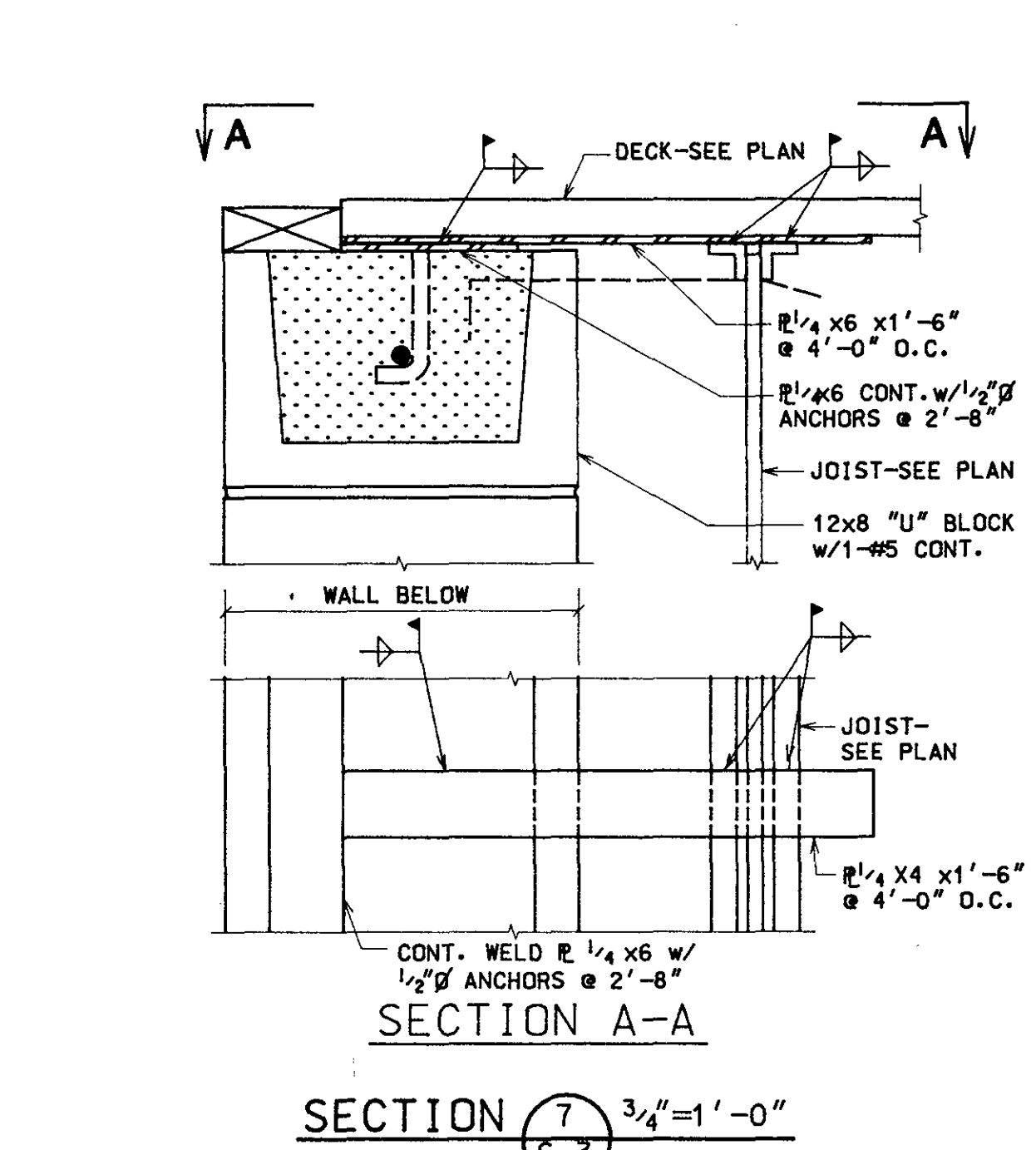
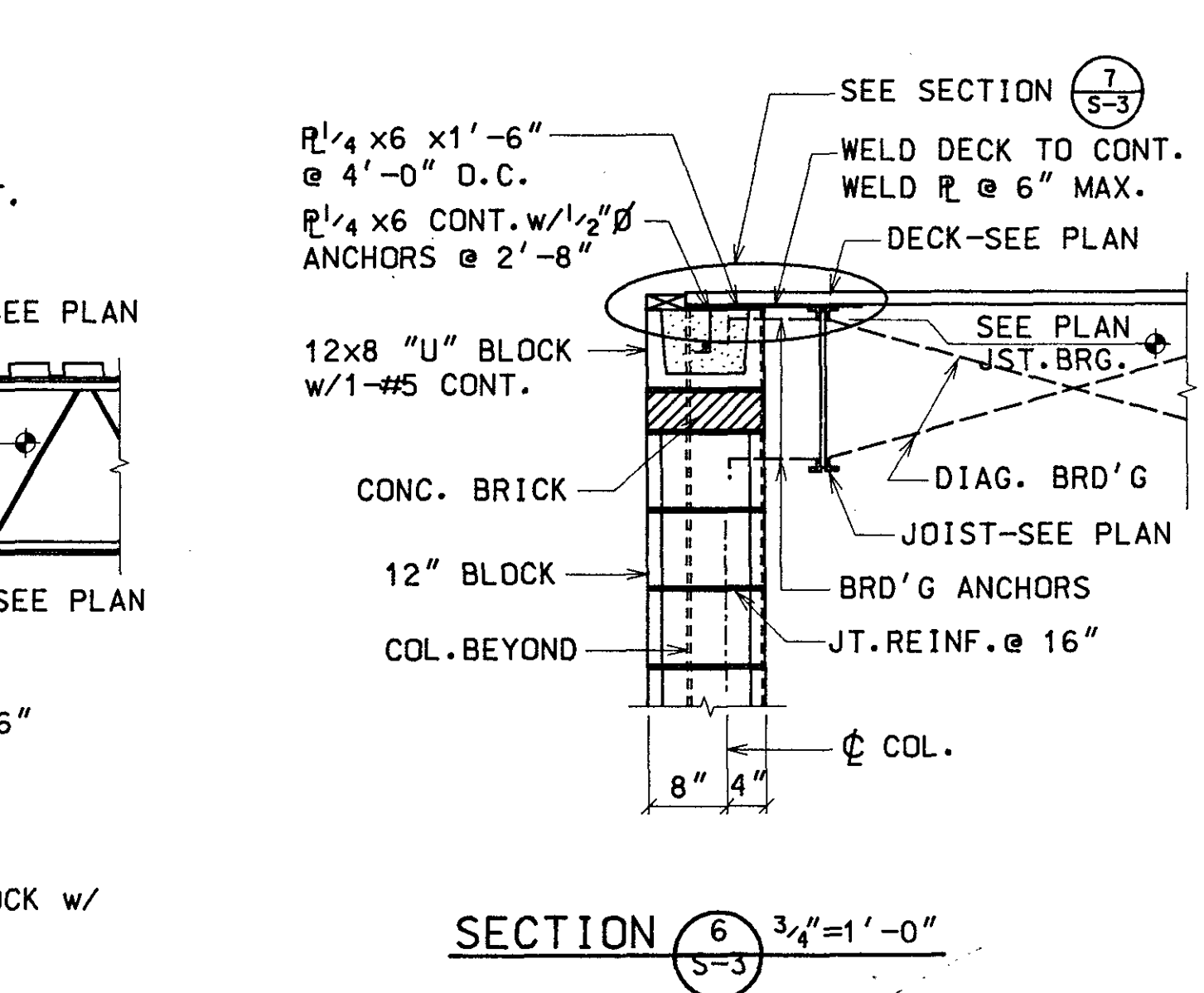
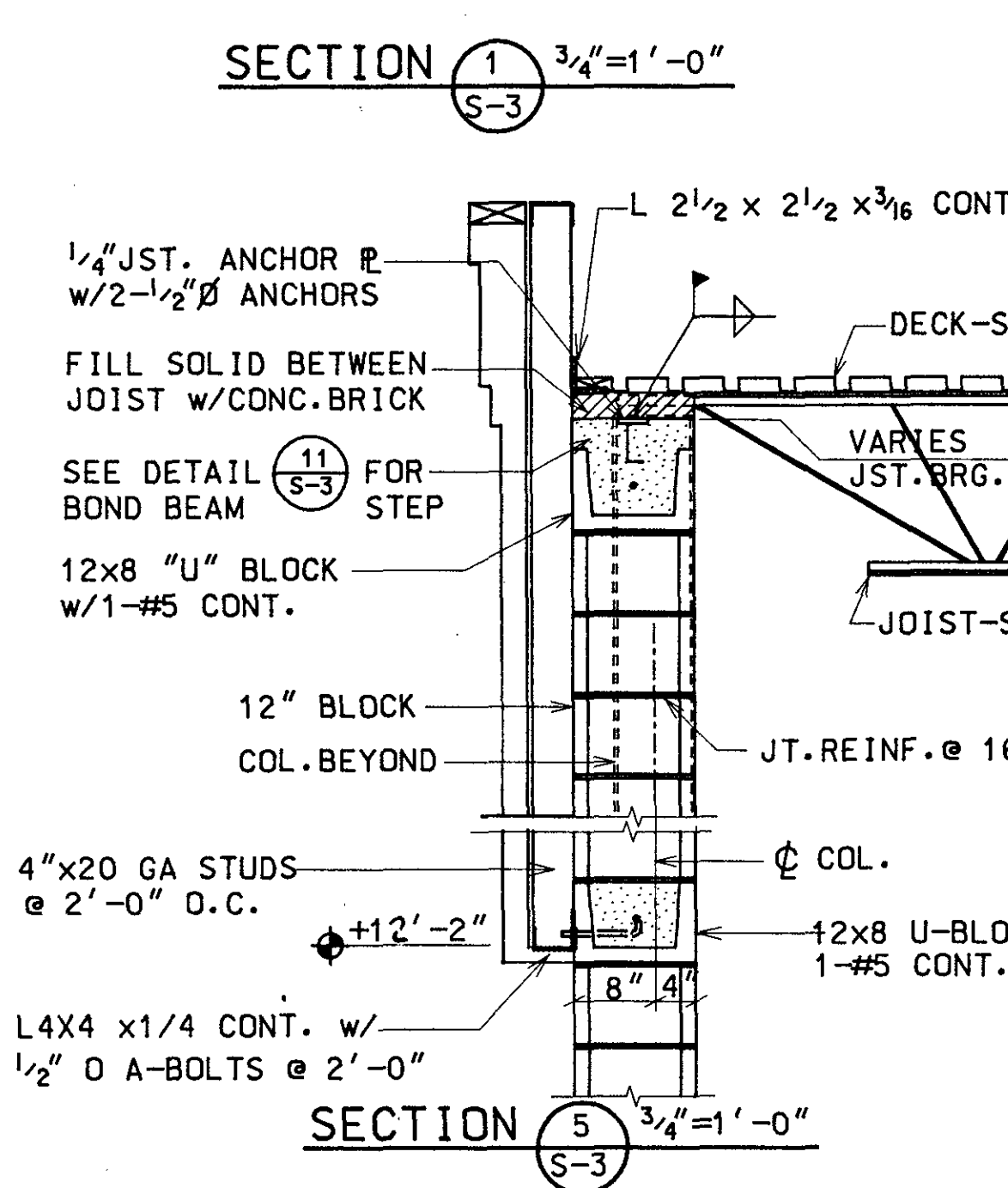
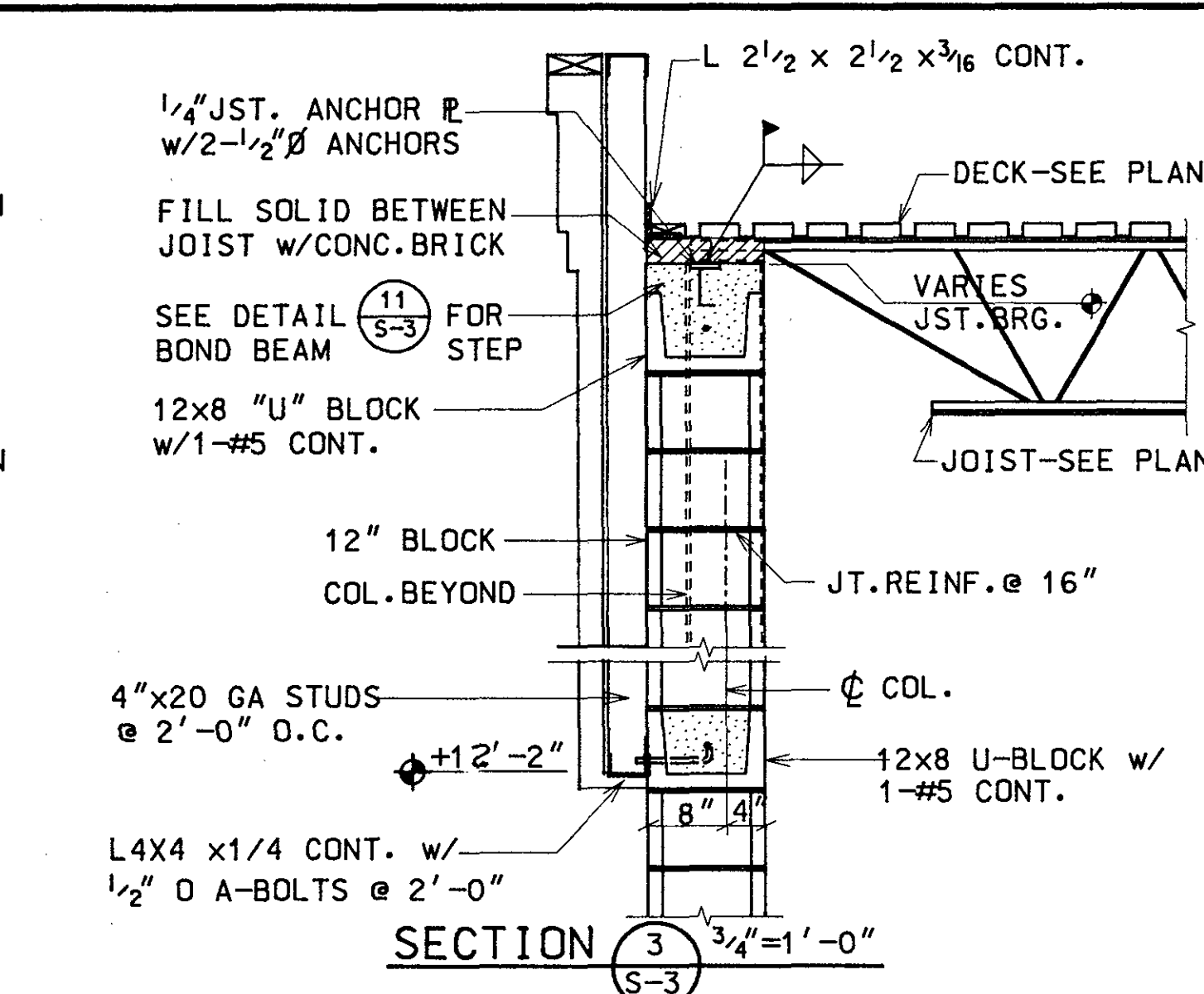
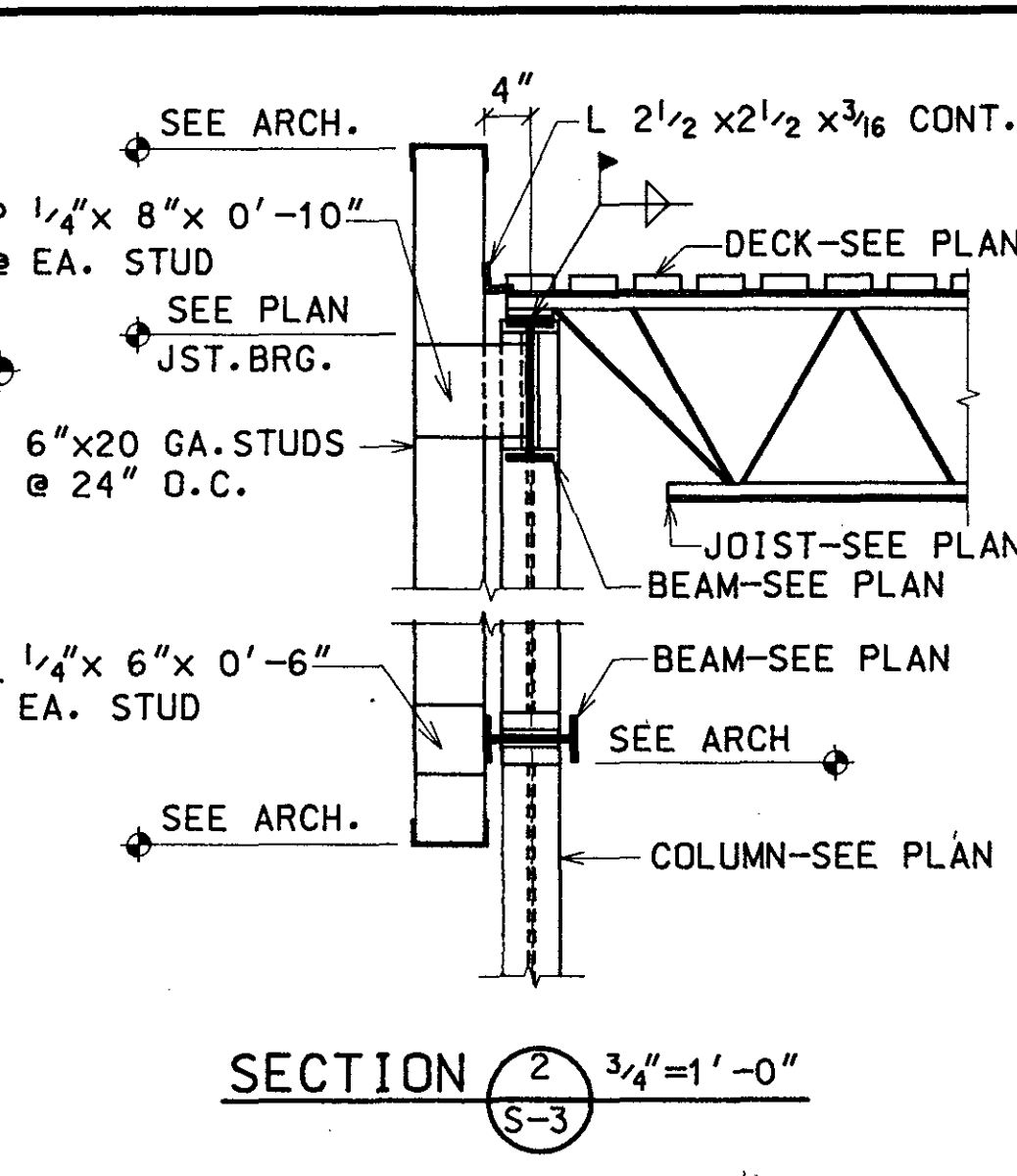
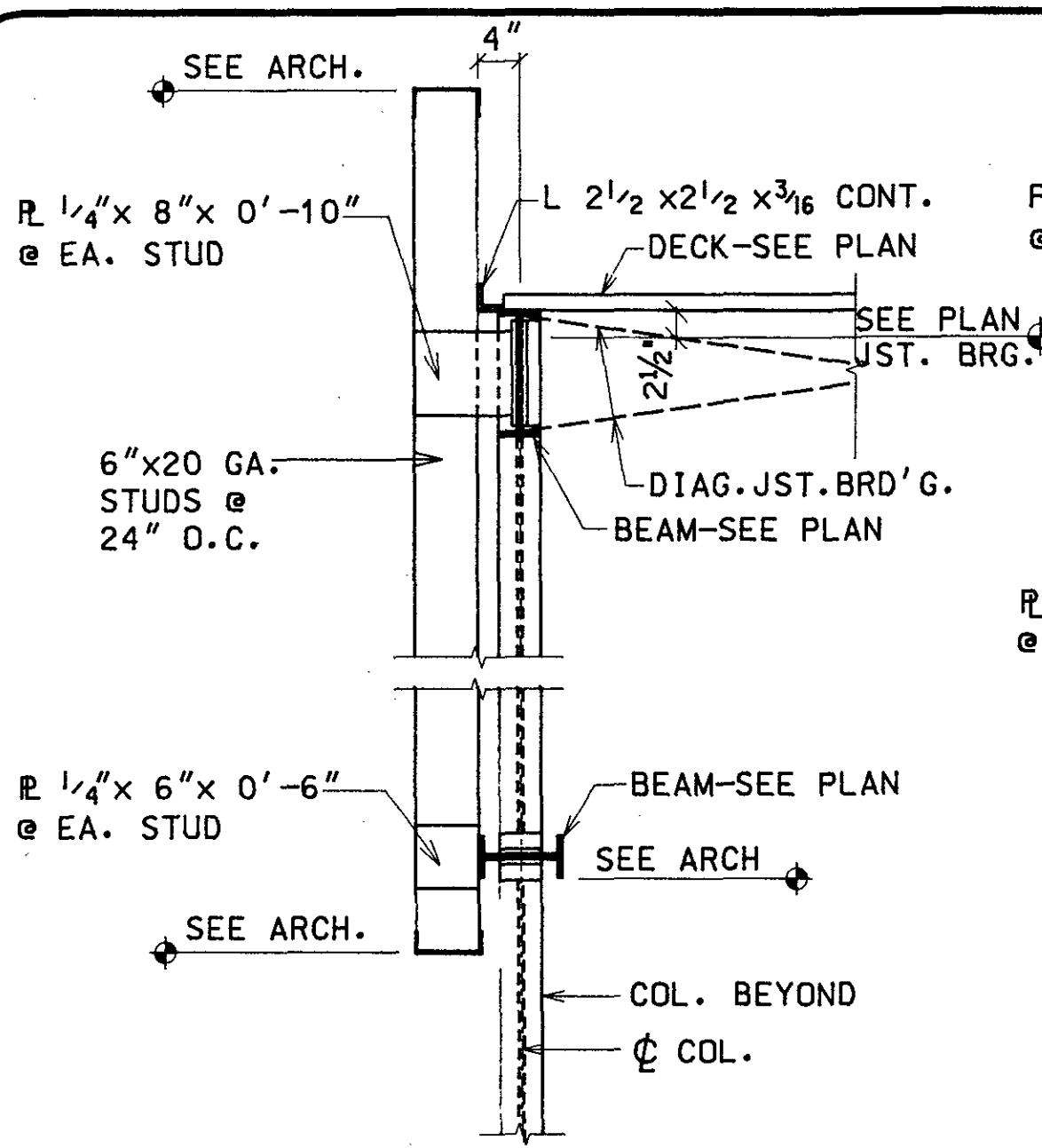
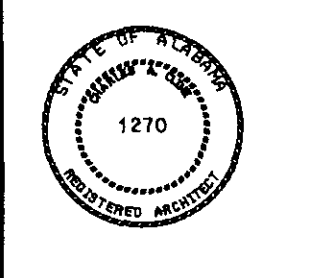
- SUBMIT FOR REVIEW TO THE ARCHITECT AND/OR ENGINEER, IN ACCORDANCE WITH THE SPECIFICATIONS, AS FOLLOWS:
- PLACING PLANS AND DETAILS OF CONCRETE REINFORCEMENT, IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL (ACI 315).
 - LAYOUT AND DETAILS OF ALL STRUCTURAL STEEL, MISCELLANEOUS STEEL, STEEL JOISTS AND METAL DECK.
 - LAYOUT AND DETAILS OF ALL PREFABRICATED WOOD ELEMENTS.
- SUBMITTAL SHALL BEAR THE APPROVAL STAMP OF THE CONTRACTOR, VERIFYING THAT THE DIMENSIONS AND DETAILS COMPLY WITH THE CONTRACT DRAWINGS.

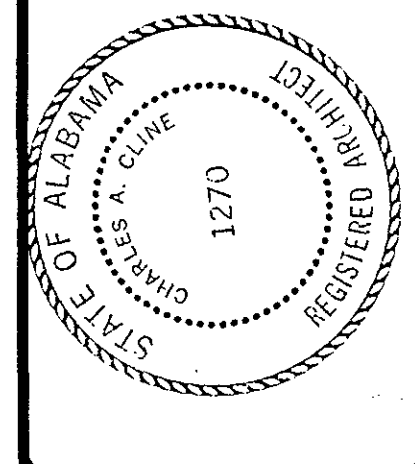
SOIL BEARING PRESSURE = 2000 psf

ALL FOOTINGS SCHEDULED ARE NOT NECESSARILY USED.



PILASTER DETAILS





charles a. cline ARCHITECT
 205-934-1158
 1100 UNIVERSITY BLVD., SUITE 1111
 MILBROOK, ALABAMA 36111



HARCO FREE STANDING
 MILLBROOK, ALABAMA

PLUMBING FLOOR PLAN

SHEET P-1

SEQ. 12

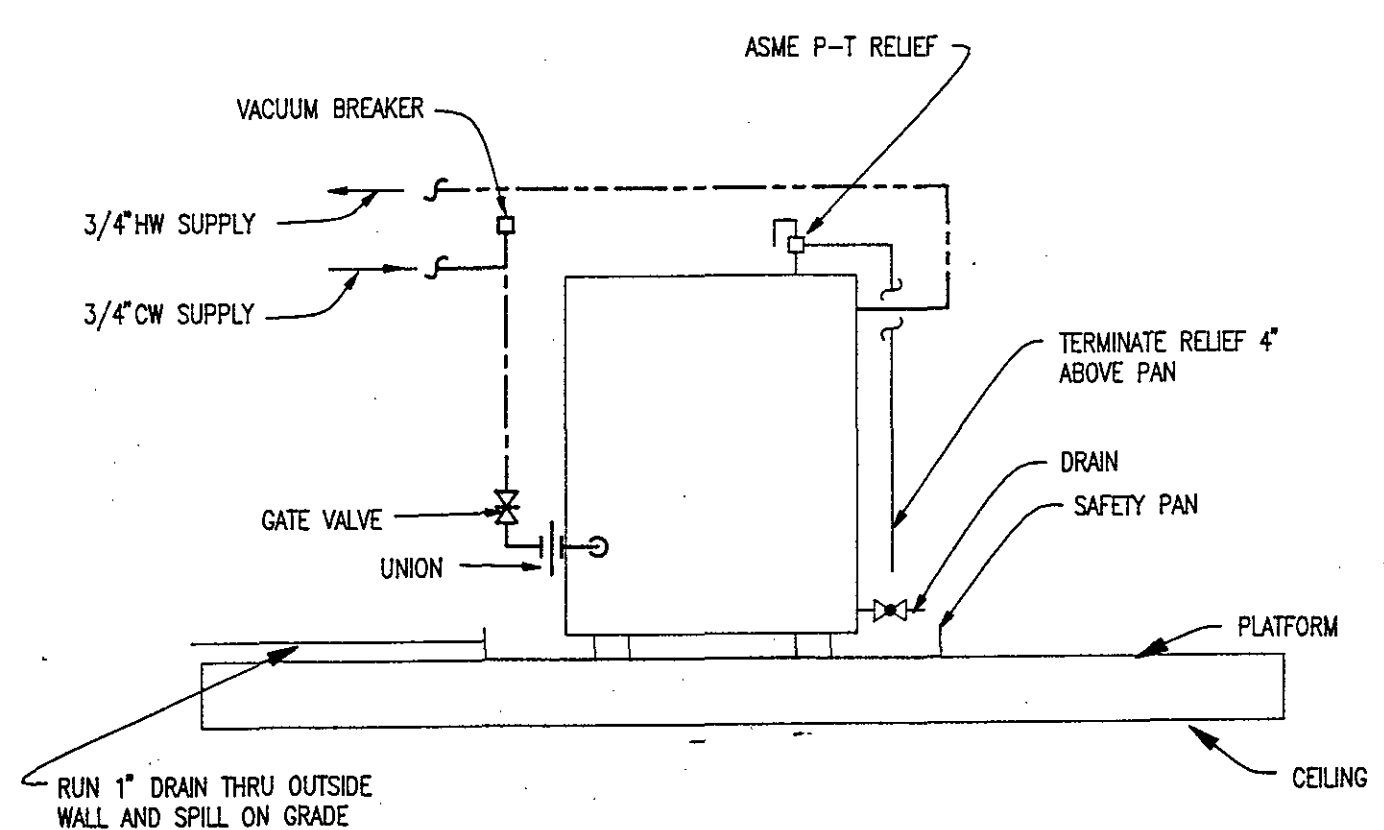
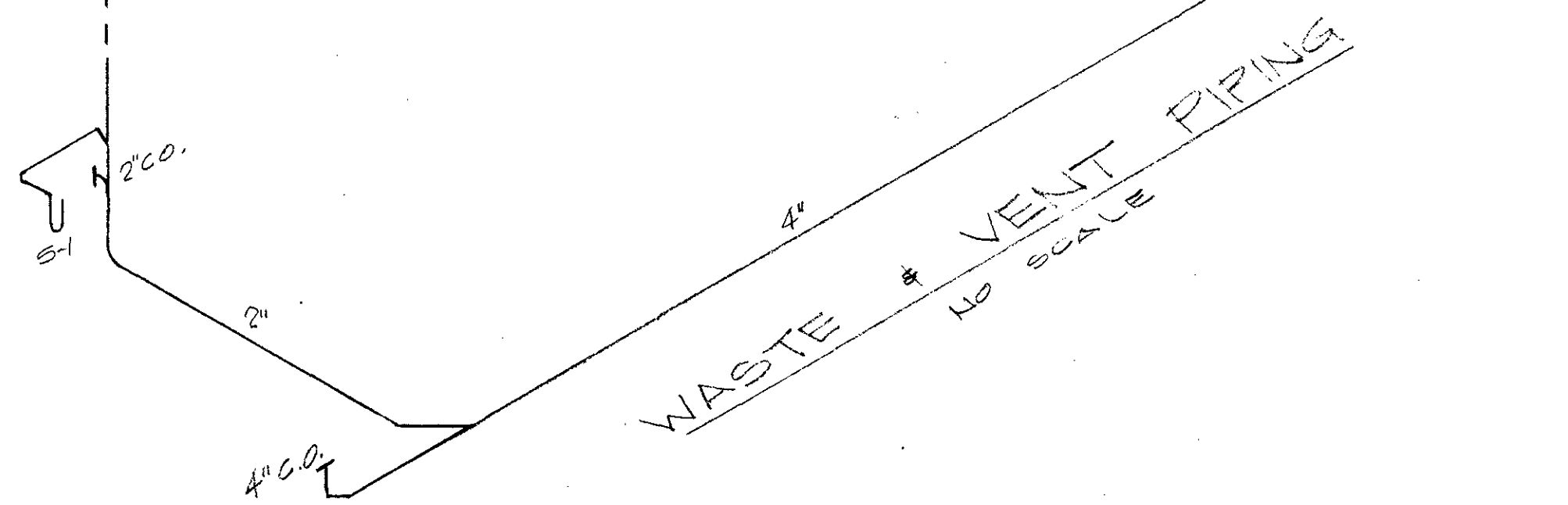
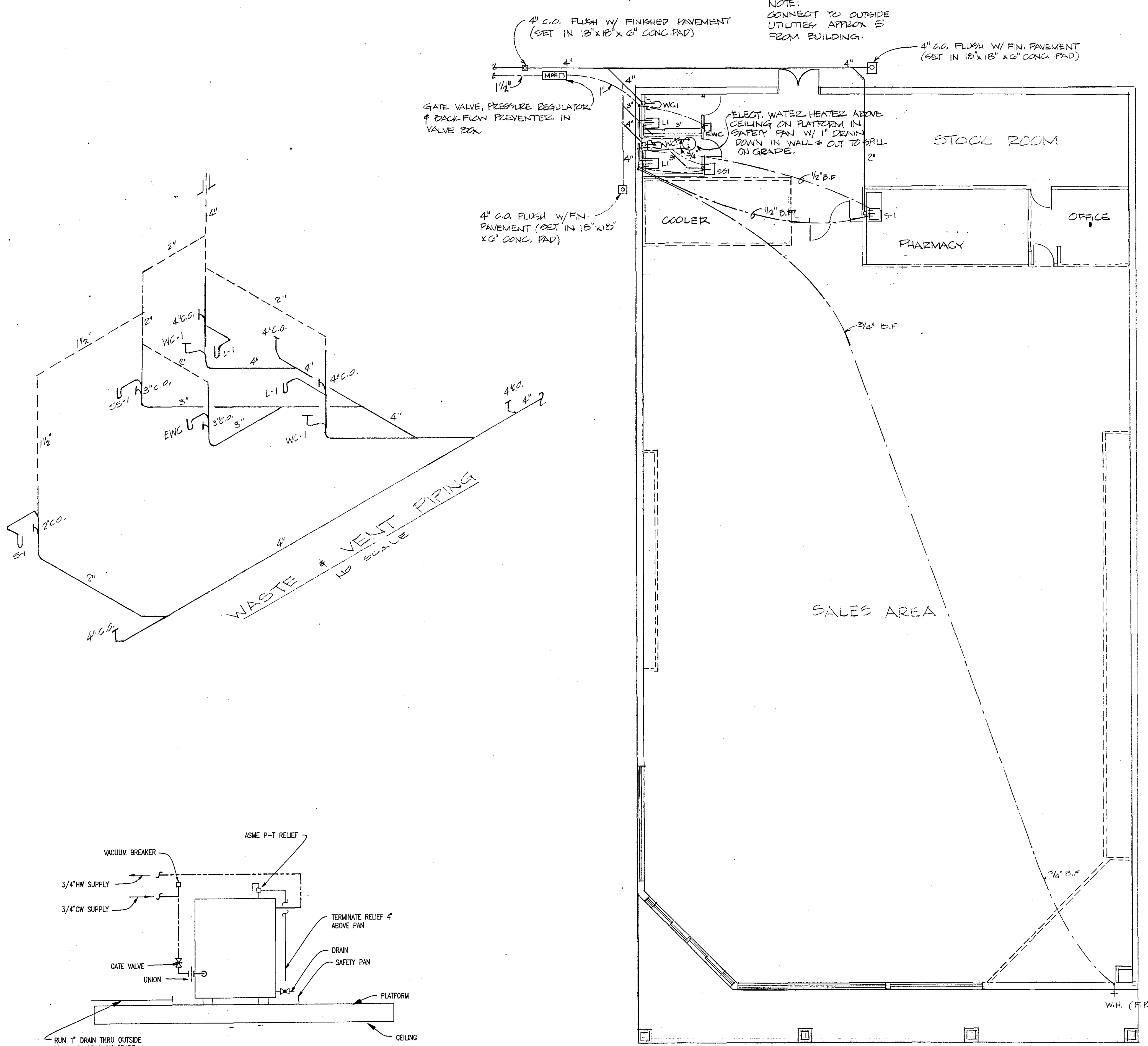
OF 15

LEGEND

---	WASTE PIPING
- - - -	VENT PIPING
---	COLD WATER PIPING
---	HOT WATER PIPING
---	GAS PIPING
---	FIRE PIPING
⊙	FLOOR DRAIN
⊗	GATE VALVE
W.H.	WALL HYDRANT
⊗	GATE VALVE IN VALVE BOX
B.F.	BELOW FLOOR
V.T.R.	VENT THRU ROOF
W.C.O.	WALL CLEANOUT
F.C.O.	FLOOR CLEANOUT

PLUMBING SPECIFICATIONS

- FURNISH AND INSTALL ALL PLUMBING AS SHOWN ACCORDING TO LOCAL CODES.
- CONNECT TO OUTSIDE UTILITIES 5' FROM THE BUILDING.
- WASTE AND VENT PIPING: SCHEDULE 40 P.V.C.
- WATER PIPING: BELOW SLAB TYPE "K" SOFT COPPER ABOVE SLAB TYPE "L" HARD DRAWN COPPER
- CLEANOUTS: WALL: STAINLESS STEEL COVER PLATE WALK; CAST IRON FITTINGS WITH BRASS C.O. PLUG FINISH GRADE (NO CONC.) P.V.C., C.O. PLUG SET 18"x18"x6" CONCRETE PAD.
- SCHEDULE FIXTURES AND MISCELLANEOUS ITEMS:
 - A. FIXTURE TRIM: EXPOSED METAL PARTS TO BE OF HEAVY WEIGHT POLISHED BRASS, HEAVILY CHROMIUM PLATED, OF BEST QUALITY, AS REGULARLY FURNISHED BY THE PLUMBING FIXTURE MANUFACTURER. SUPPLIES TO ALL FIXTURES AND EQUIPMENT SHALL BE PROVIDED WITH STOP VALVES.
 - B. SCHEDULED ITEMS:
 - WC-1 WATER CLOSET (H/C) A.S. 2108.408, SUPPLY WITH STOP AND BENEKE 5255S/CH FLUSH VALVE.
 - L-1 LAVATORY: (H/C) SIZE 27"x20" A.S. 9141.011 WITH A.S. 7516.172 FAUCET W/BLADE HANDLES "P" TRAP AND SUPPLIES WITH STOPS. INSULATE "P" TRAP AND SUPPLIES WITH RIGID INSULATION. HANG 3/4" RIM TO FLOOR.
 - S-1 SINK: FURNISHED BY THE TENANT AND INSTALLED COMPLETE BY THE CONTRACTOR.
 - MOP BASIN: FIAT MODEL MSB-2424 MOLDED STONE MOP BASIN, SIZE 24"x24"x10" DRAIN NO. 874 WITH STAINLESS STEEL DOME STRAINER, NO. 858-AA 30" LONG HOSE, NO. 1449-BB HOSE BRACKET, NO. 889-CC MOP HANGER, NO. 833-AA SILICONE SEALANT AT ALL POINTS WHERE BASIN MEETS WALL OF FLOOR AND NO. 830-AA FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS AND PAUL HOOK.
 - W.H. WALL HYDRANT: WOODFORD MODEL NO. 65 WITH BUILT IN BACKFLOW PREVENTER AND AUTOMATIC DRAIN.
 - WATER HEATER: (ELECTRIC) RHEEM EGS-30 RUDD EGLS-30S OD APPROVED EQUAL TANK SHALL BE GLASSLINED WITH 30 GALLON GLASSLINED STORAGE ANF 2KW HEATING ELEMENT FOR 208 VOLTS, 1 PHASE, 60 CYCLE CURRENT.
 - RELIEF VALVES: INSTALL (IN ACCORDANCE WITH USA STANDARD z21.22) PROPERLY SIZED AGA AND ASME APPROVED TEMPERATURE AND PRESSURE RELIEF VALVES WITH COPPER OVERFLOW LINES TO FLOOR DRAIN.
 - ELECTRIC WATER COOLER: OASIS ODP8WH OR EQUAL ELKAY, HALSEY TAYLOR, WESTERN, OR HANS.



PLUMBING FLOOR PLAN
 SCALE 1/8" = 1'-0"

HEATING-AIR CONDITIONING-VENTILATING

(A) THE AIR CONDITIONING EQUIPMENT SHALL BE CAPABLE OF MAINTAINING 75% DRY BULB (+1°) AND 50% RELATIVE HUMIDITY THROUGHOUT THE SALES, PHARMACY AND STORAGE AREAS. THE OUTSIDE DESIGN CONDITIONS SPECIFIED IN THE LATEST EDITION OF THE "ASHRAE" GUIDE FOR THE GEOGRAPHIC LOCATION OF THE BUILDING SHALL APPLY.

(B) THE SYSTEM SHALL CONSIST OF NOT LESS THAN TWO (2) ROOF MOUNTED, AIR COOLED UNITS WITH FILTERS, SUPPLY AND RETURN FANS, COMPRESSOR, CONDENSOR, PIPING, AUTOMATIC CONTROLS, SAFETY DEVICES AND DIRECT EXPANSION COOLING COILS AND ELECTRIC HEATING ELEMENTS. UNITS SHALL EACH HAVE AN OUTSIDE RETURN AND EXHAUST DAMPERS.

(C) THERMOSTATS SHALL AUTOMATICALLY CONTROL IN SEQUENCE THE HEATING, VENTILATING, AND COOLING CYCLES TO MAINTAIN SELECTED SPACE TEMPERATURE SETTING. SEQUENCE SHALL BE AS FOLLOWS:

- ON CALL FOR HEATING, W/ OUTSIDE AIR DAMPERS & MINIMUM RETURN DAMPER OPEN AND RELIEF DAMPERS CLOSED, OR ELECTRIC HEATING ELEMENTS SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE.
- ON RISE IN SPACE TEMPERATURES, WITH ELECTRICAL HEATING ELEMENTS DE-ENERGIZED, RETURN, RELIEF AND OUTSIDE AIR DAMPERS SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE.
- ON CONTINUED RISE IN SPACE TEMPERATURE, OUTSIDE AIR DAMPER SHALL CLOSE TO MINIMUM. RETURN AIR DAMPER SHALL OPEN AND RELIEF AIR DAMPER SHALL CLOSE AND REFRIGERATION CYCLE SHALL BE ENERGIZED TO MAINTAIN SPACE TEMPERATURE.
- ON DECREASE IN TEMPERATURE THE REVERSE CYCLE SHALL TAKE PLACE.

(D) WHEN INDEXED TO NIGHT CYCLE, OUTSIDE AIR AND RELIEF DAMPERS SHALL REMAIN CLOSED, RETURN AIR DAMPER SHALL OPEN AND SUPPLY AND EXHAUST FANS AND HEATING ELEMENTS SHALL CYCLE TO MAINTAIN REDUCED TEMPERATURE SETTING. REFRIGERATION CYCLE SHALL REMAIN DE-ENERGIZED DURING NIGHT CYCLE.

(E) FIRESTATS WITH MANUAL RESET SHALL DE-ENERGIZE SYSTEM AND CLOSE GAS SOLENOID OR DISCONNECT ELECTRICAL SERVICE & UNIT.

(F) DELETED

(G) DISTRIBUTION SUPPLY WITH COORDINATED RETURN DUCTWORK SHALL EXTEND FROM EACH UNIT IN A MANNER WHICH WILL PROVIDE SATISFACTORY CONDITIONS IN ALL AREAS, INCLUDING THE PRESCRIPTION DEPARTMENT. HINGED, GASKETED DOORS WITH LATCHES SHALL BE PROVIDED FOR ACCESS TO CONTROL DEVICES AND TO PERMIT DUCT CLEANING. VANES SHALL BE PROVIDED @ ALL BENDS, DAMPERS WITH EXTERNAL LOCK GUARDRANT SHALL BE PROVIDED @ ALL BRANCH CONNECTIONS TO PERMIT BALANCING.

(H) ALL OUTSIDE AIR AND SUPPLY AIR DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS TYPE 603 (FF) WITH ALUMINUM FOIL FACING AND INSTALLED WITH BUTTED & TAPED JOINTS.

(I) DIFFUSERS SHALL BE SUITABLE FOR HEATING AND COOLING AND SHALL HAVE ADJUSTABLE FRONT AND REAR LOUVERS AND KEY OPERATED BALANCING DAMPERS.

(J) UPON COMPLETION OF THE WORK, CONTRACTORS SHALL INSTRUCT OPERATING PERSONNEL.

(K) AFTER COMPLETION OF THE INSTALLATION, THE EQUIPMENT THERMOSTATS, BELTS, PULLEYS, AND CONTROLS SHALL BE ADJUSTED TO THE TENANTS SATISFACTION.

(L) CONTROL SYSTEM SHALL INCLUDE A SEVEN-DAY TIME CLOCK WITH SPRING RESERVE AS MANUFACTURED BY PARAGON. CLOCK SHALL BE WIRED IN PARALLEL WITH A LOW LIMIT THERMOSTAT AND A SIX HOUR 'MARK-TIME' TIMER SWITCH. ROOF-TOP AIR CONDITIONING UNITS WILL BE TURNED OFF DURING UNOCCUPIED TIMES BY THE SEVEN-DAY TIMER, BUT WILL BE TURNED ON DURING THESE PERIODS IF THE INSIDE TEMPERATURE DROPS BELOW 55° (AS DETERMINED BY LOW LIMIT THERMOSTAT) OR MAY BE TURNED ON MANUALLY FOR UP TO SIX HOURS BY THE 'MARK-TIME' SWITCH DURING UNUSUAL OCCUPANCY.

(M) INSTALL SMOKE DETECTOR IN RETURN AIR DUCT. (TYPICAL IN BOTH UNITS).

(N) THE EQUIPMENT SHALL BE COMPLETELY GUARANTEED FOR ONE YEAR WITH A FOUR YEAR EXTENDED WARRANTY.

HEATING & AIR CONDITIONING DESIGN CRITERIA
TENNANT/CONTRACTOR NOTE:

THE HEATING & AIR CONDITIONING SYSTEM(S) SHOWN ON THIS DRAWING ARE BASED ON THE FOLLOWING DATA: A.S.H.R.A.E. DESIGN FOR: MONTGOMERY, ALABAMA
SUBJECT: STURBRIDGE VILLAGE

SUMMER DESIGN

OUTDOOR: 95 °FDB; 78 °FWB; INDOOR: 75 °FDB; 50 %RH

WINTER DESIGN

OUTDOOR: 11 °F; INDOOR: 72 °F

OUTDOOR AIR WAS FIGURED AS INFILTRATION AT A RATE OF 15 CFM/PERSON. GLASS WAS FIGURED AT SINGLE PANE, 'U' FACTOR 1.13, SHADING COEFFICIENT OF .96.

INSULATION AND OTHER FACTORS INVOLVED IN THE PHYSICAL MAKEUP OF THE BUILDING PREDICATED USE OF THE FOLLOWING 'U' FACTORS IN DETERMINING APPROPRIATE HEAT LOSS/HEAT GAIN CALCULATIONS:

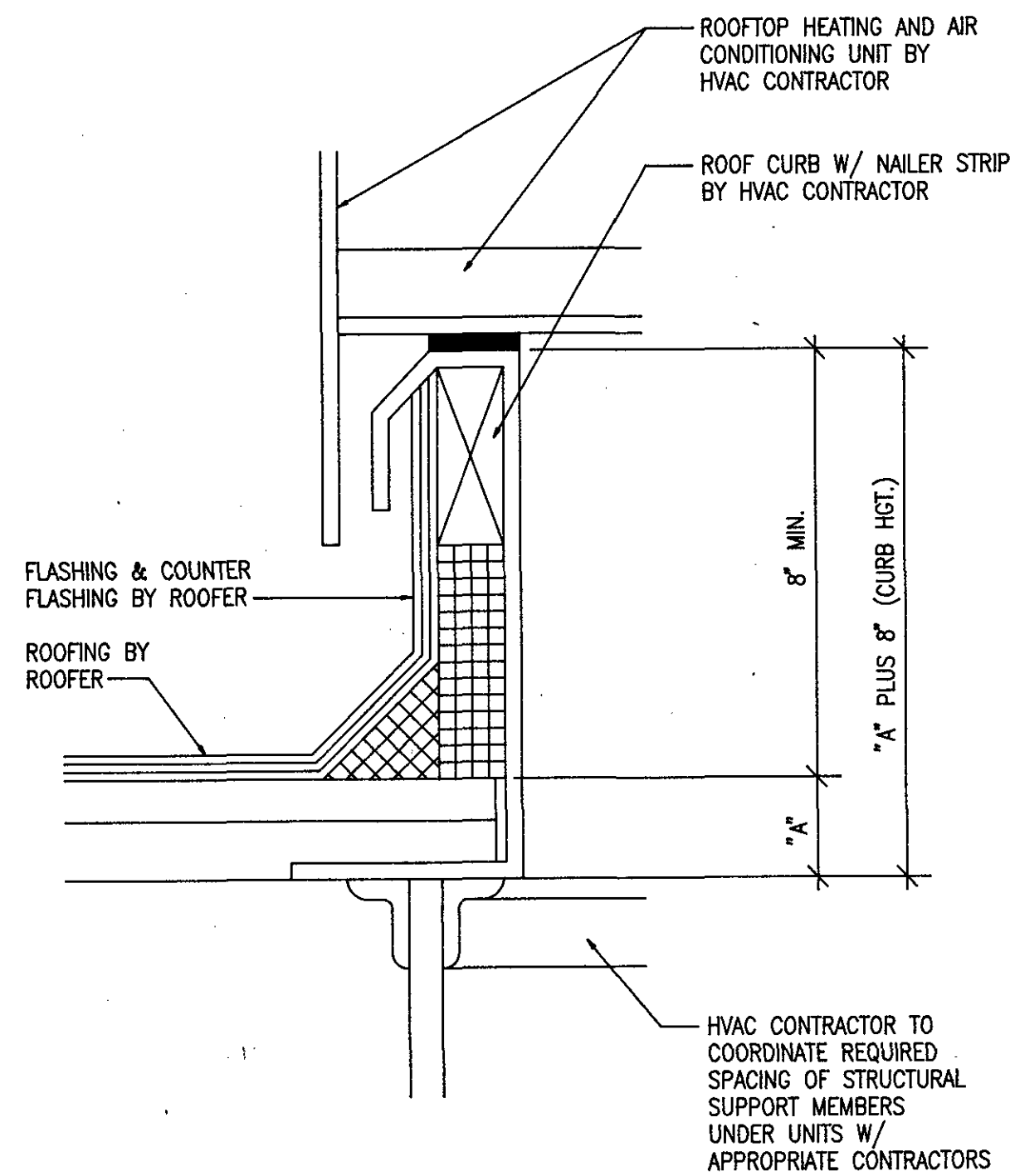
CEILING/ROOF: .10

WALLS: .30

FLOOR(S): - SLAB ON GRADE

OTHER DESIGN CONSIDERATIONS: NUMBER OF PEOPLE - 125 SQ. FT./PERSON
LIGHTING 2.9 WATTS/SQ. FT.

NOTE: IF ANYTHING IS REQUIRED IN THE WAY OF A DIFFERENT OR SPECIAL NATURE OTHER THAN THE INFORMATION GIVEN ABOVE, OR IF CHANGES OCCUR IN THE PHYSICAL MAKE UP OF THE BUILDING OR IF THE TENANT PLANS TO OPERATE THE SPACE IN SUCH A WAY AS TO EXCEED THE 'NORMS' USUALLY ENCOUNTERED BY 'TYPICAL' RETAIL SALES SPACES, AGREEMENTS SHOULD BE INSTITUTED WITH THE TENANT SO MODIFICATIONS TO THE SYSTEM MAY BE MADE. POSITIVE VENTILATION IS AS NOTED ON THE PLANS. THE UNITS DO NOT HAVE PROVISIONS FOR NIGHT SET-BACK AND ARE DESIGNED FOR 24 HOUR OPERATION.



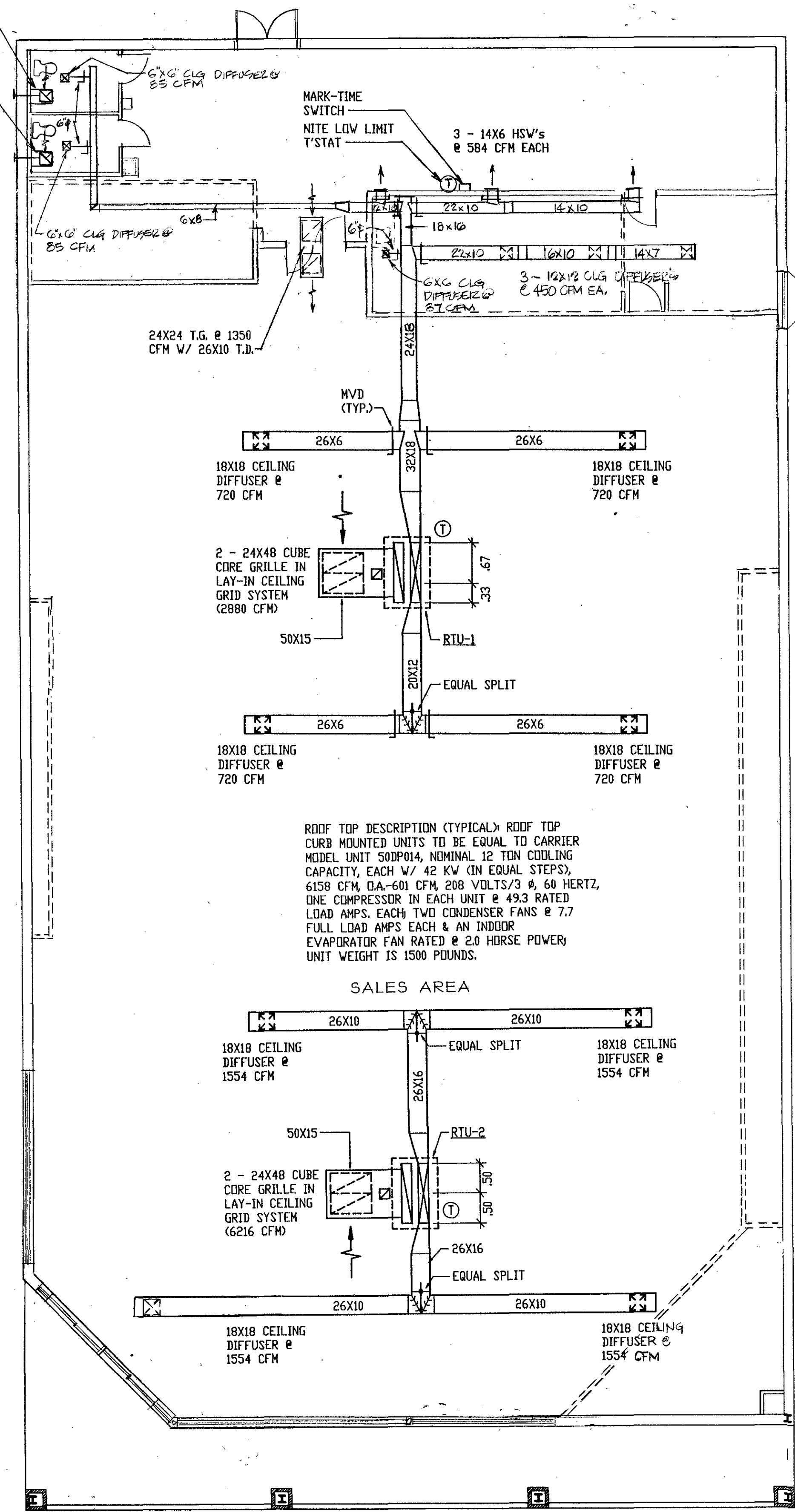
DETAIL @ CURB MOUNTED UNIT - (HARCO)

NOT TO SCALE

NOTES:

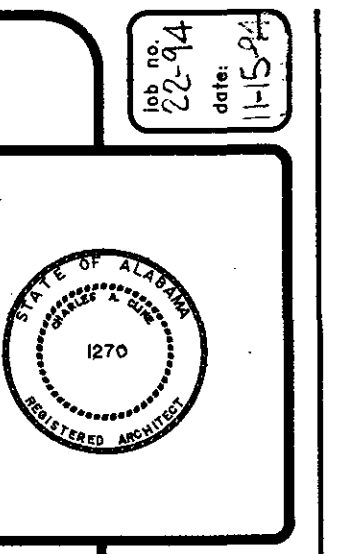
- COORDINATE REGISTER & GRILLE LOCATIONS W/ LIGHTING LAY-OUT & ARCHITECTURAL CEILING GRID.
- COORDINATE ALL DUCT RUNS W/ STRUCTURAL & ARCHITECTURAL LAY-OUT.
- COORDINATE ALL H.V.A.C. WORK W/ ALL OTHER TRADES TO AVOID CONFLICT.

CEILING EXHAUST FAN EQUAL TO CARNES MODEL VCB010, 95 CFM @ 1.25 S.P., 120 V., 80 W., 0.7 A., W/ 3-1/4"x10" EXHAUST DUCT



H.V.A.C. PLAN

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



charles a. cline ARCHITECT
205/834-485
montgomery, alabama 36101
p.o. box 1506

HARCO FREE STANDING
MILLBROOK, ALABAMA

HARCO SUPER DRUGS

H.V.A.C. PLAN

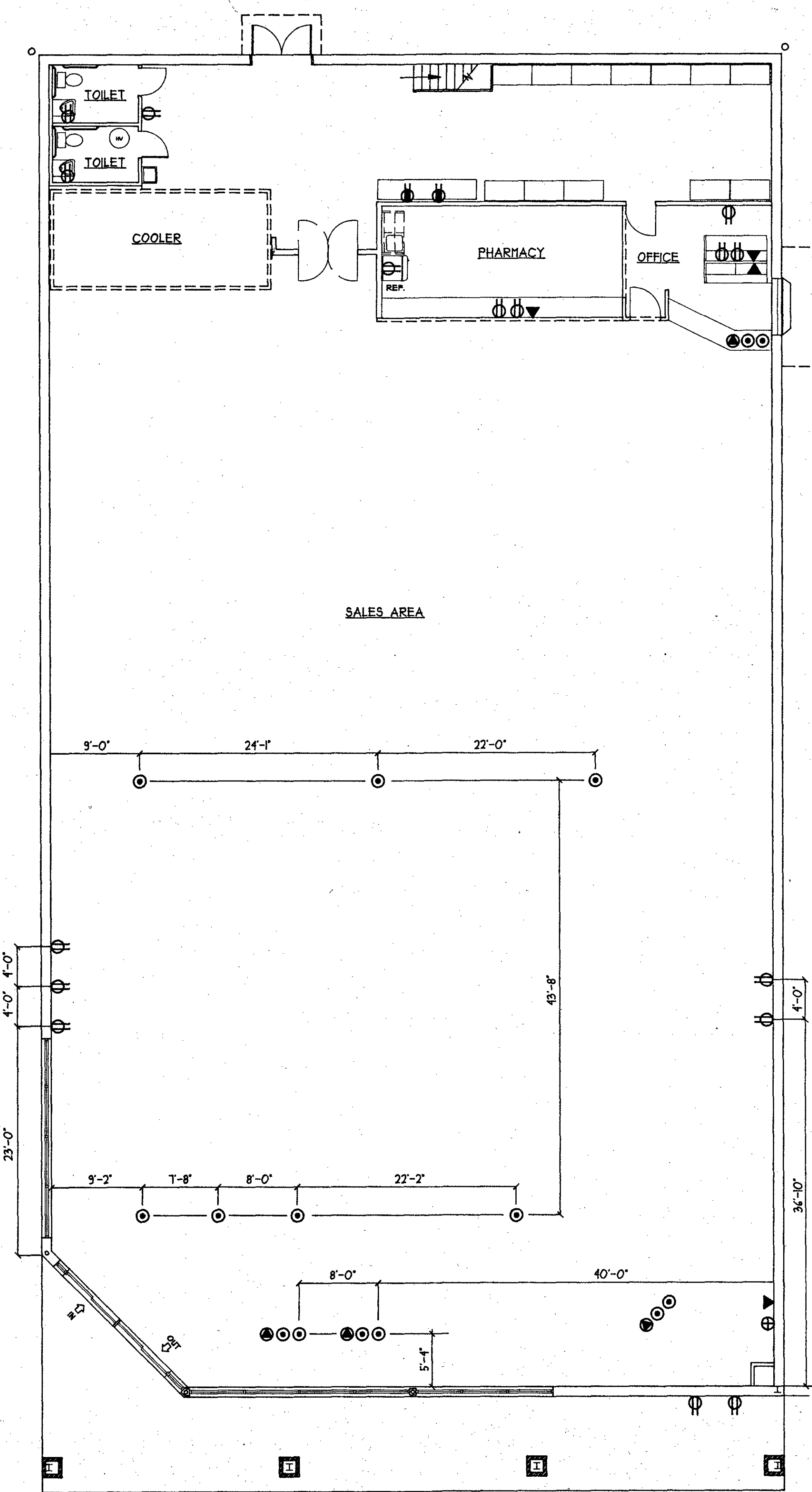
SHEET
M-1

SEQ.
13

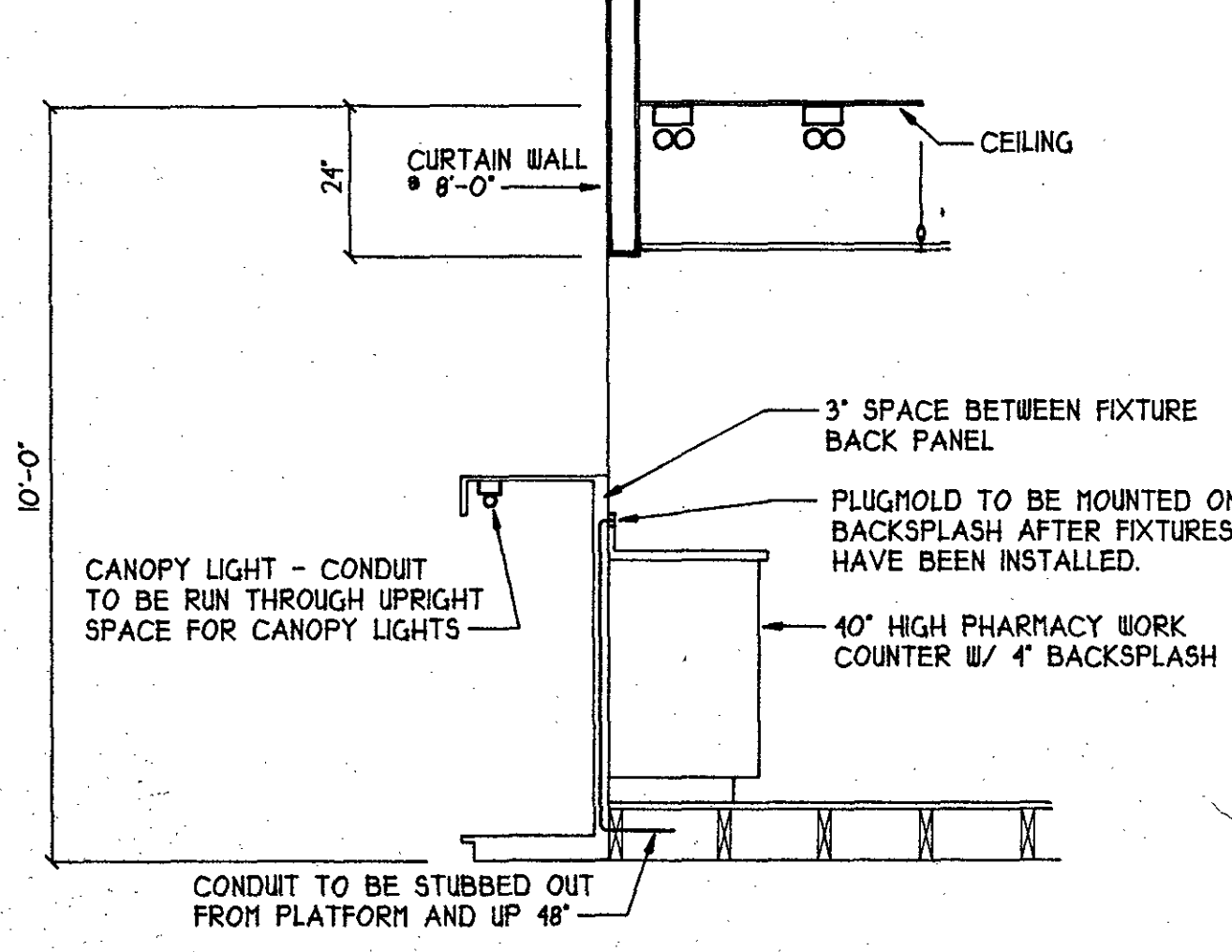
ELECTRICAL SYMBOLS LEGEND

NOTE: LEGEND IS TYPICAL; ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT.

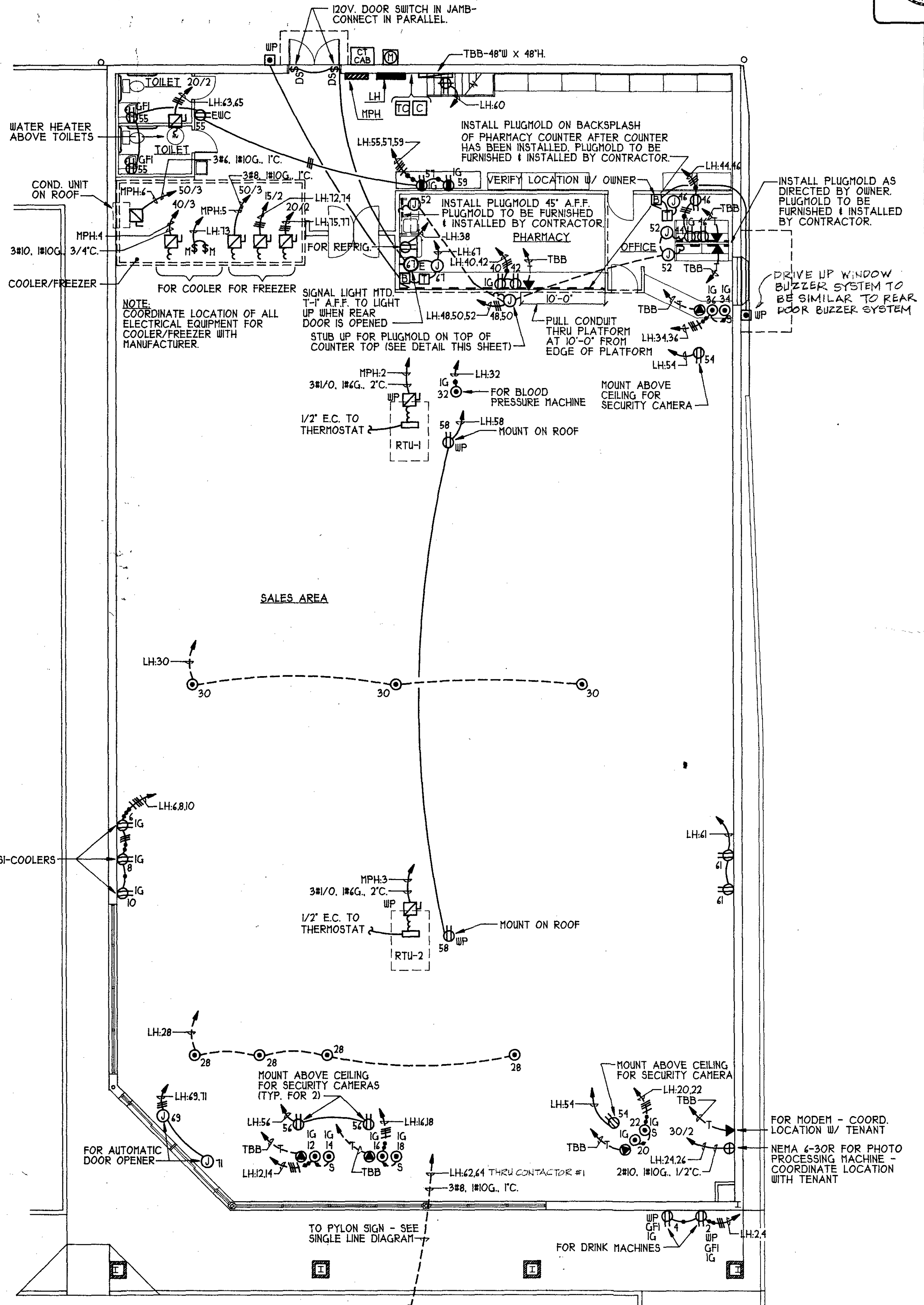
- LIGHTING**
- CEILING MTD. FIXTURE, INCANDESCENT OR H.I.D., SURFACE OR RECESSED AS PER FIXTURE SCHEDULE, SHOWN TO FIXTURE TYPE 'D' ON CIRCUIT & CONTROLLED BY SWITCH 'B'.
 - SURFACE MTD. OR SUSPENDED FLUORESCENT FIXTURE
 - LIGHTED EXIT SIGN
 - 2-HEAD REMOTE EGRESS LIGHT
 - WALL BRACKET MTD. INCANDESCENT OR H.I.D. FIXTURE
- SWITCHES**
- 1 POLE, 15A, 120/277V SWITCH FLUSH MTD. 4'-0" H.
 - 3-WAY, DO. DO. DO.
- CONDUITS AND CIRCUITING**
- CONCEALED OVERHEAD OR IN WALLS
 - CONCEALED IN OR BELOW FLOOR OR GRADE
 - EXPOSED RIGID CONDUIT
 - EMPTY CONDUIT; PROVIDE WITH #14 GALV. STEEL PULLWIRE WITH SEPARATE GREEN GROUNDING CONDUCTOR
 - HOMERUN THROUGH TIMECLOCK CONTACTS
 - HOMERUN TO OTHER THAN A 20A-1P BREAKER; HOMERUN SHOWN IS TO A 40A-3P BREAKER.
 - HOMERUN TO PANEL; SHOWN ARE 3#12 CONDUCTORS RUN TO CIRCUITS 1 AND 3 IN PANEL 'LA' (SLASH MARKS INDICATE NUMBER OF CONDUCTORS, NO MARKS INDICATES 2 CONDUCTORS). CONDUITS TO BE SIZED AS SHOWN OR AS REQUIRED BY CODE.
- POWER OUTLETS**
- JUNCTION BOX
 - JUNCTION BOX W/ FLEXIBLE CONNECTION TO EQUIPMENT
 - 15A-125V DUPLEX RECEPTACLE, NEMA 5-15R, MTD. 1'-6" H.
 - DO. DO. MTD. 3'-8" H.
 - DO. DO. MTD. FLUSH IN FLOOR
 - TWO "M" MTD. UNDER COMMON COVER 1'-4" H.
 - SPECIAL CONFIGURATION OUTLET; SEE PLANS FOR DESCRIPTION
- POWER EQUIPMENT**
- LIGHTING/ APPLIANCE TYPE PANELBOARD
 - DISTRIBUTION TYPE PANELBOARD
 - TRANSFORMER, TYPE AND RATINGS AS SHOWN
 - ELECTRIC MOTOR, TYPE AND RATINGS AS SHOWN
 - NON-FUSED SAFETY DISCONNECT SWITCH
 - FUSED SAFETY DISCONNECT SWITCH
 - MOTOR RATED SWITCH W/ NO. OF POLES AS REQ'D.
- MISCELLANEOUS**
- CONTACTOR, TYPE AND RATINGS AS SHOWN
 - PHOTO-ELECTRIC CELL SWITCH
 - TIMECLOCK
 - ELECTRIC UTILITY METER
 - LOW-VOLTAGE PUSHBUTTON
 - LOW-VOLTAGE BUZZER
- TELEPHONE SYSTEM**
- DESK OUTLET W/ MODULAR JACK AND PLATE, MTD. 1'-6" H.
 - WALL OUTLET W/ MODULAR JACK AND MOUNTING BRACKET TYPE PLATE, MTD. 4'-4" H.
 - FLUSH FLOOR OUTLET W/ MODULAR JACK AND BRASS PLATE W/ HINGED FLAP.
 - TERMINAL BACKBOARD, 3/4" PLYWOOD; SIZE AS SHOWN.
 - SYSTEM CONDUIT, 3/4" OR AS SHOWN, W/ PULLWIRE
- ABBREVIATIONS**
- WEATHERPROOF
 - ISOLATED GROUND DEVICE
 - GROUND FAULT INTERRUPTER DEVICE



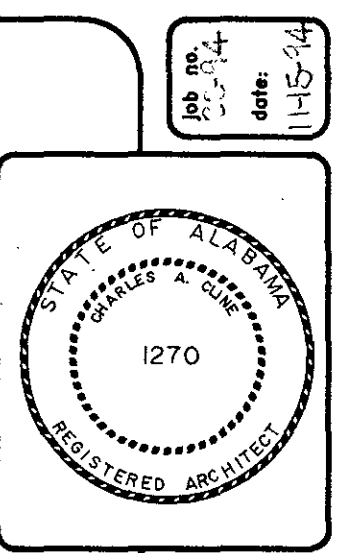
DIMENSIONED ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"



DETAIL - TYPICAL PHARMACY FRONT AND CANOPY LIGHTS
NOT TO SCALE



ELECTRICAL POWER PLAN
SCALE: 1/8" = 1'-0"



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HARCO FREE STANDING
MILLBROOK, ALABAMA

HARCO
SUPER DRUGS

ELECTRICAL POWER PLAN

SHEET
E-2

2

SEQ.
15

15