

# RUBICON, INC.

# MEN'S RESIDENTIAL TREATMENT FACILITY

RADY STREET  
RICHMOND, VA

OWNER

RUBICON, INC.  
1300 MACTAVISH AVENUE  
RICHMOND, VA 23230  
(804) 555-5555

ARCHITECT, INTERIOR DESIGNER  
MECHANICAL AND ELECTRICAL ENGINEER

BASKERVILL & SON, P.C.  
PO BOX 400, RICHMOND, VA 23218  
114 VIRGINIA STREET, RICHMOND, VA 23219  
(804) 343-1010

STRUCTURAL  
ENGINEER

RONAYNE & TURNER ASSOCIATES, INC.  
10962-A RICHARDSON ROAD  
ASHLAND, VA 23005  
(804) 550-3807

FOODSERVICE  
CONSULTANT

WOODBURN & ASSOCIATES  
P.O. BOX 1350  
ANNANDALE, VA 22003  
(703) 658-1350

CIVIL  
ENGINEER

DRAPER ADEN ASSOCIATES  
4136 INNSLAKE DRIVE  
GLEN ALLEN, VA 23060  
~~(804) 270-7675~~  
264.2220

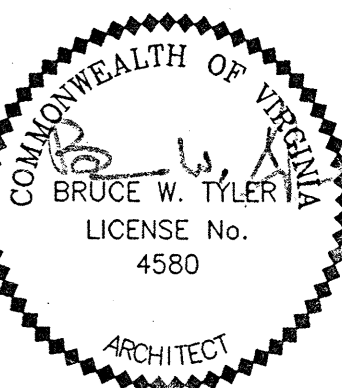
GENERAL  
CONTRACTOR

KJELLSTROM & LEE  
5516 FALLMOUTH STREET  
RICHMOND, VA 23230  
(804) 270-7675

OWNER  
RUBICON, INC.

COMMISSION  
MEN'S  
RESIDENTIAL  
TREATMENT  
FACILITY

RADY STREET  
RICHMOND, VA



Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

BASKERVILL & SON

## ABBREVIATIONS

AFF Above Finished Floor	CONT. Continuous Central Joint	FF Finish Floor (Finished)	L Length	E Plate or Property	ST Steel
AD Access Door	C.O.T. Corner Guard	FIN. Fire Alarm	LAB. Laboratory	PVD. Plywood	STOR. Storage
AC. Acoustical	CORR. Corridor	FA. Fire Alarm	LAM.GL. Laminated Glass	PRV. Powered Roof	STRUC. Structural
AVC Acoustical Wall Covering	CF. Cubic Foot (Feet)	FEC. Fire Extinguisher Cabinet	LAV. Lavatory	V. Ventilator	SUSP. Suspended
ADJ. Adjustable	CFM Cubic Foot per Minute	FHC. Fire Hose Cabinet	IF. Inside Finish	PPF. Porcelain Floor Tile	SYS. System
AIC. Air Conditioning	CY Cubic Yard	FRTH. Fire Retardant Treated Wood	LLV. Long Leg Vertical	PPB. Porcelain Paver Base	TEL. Telephone
ALT. Alternate		FLASH. Flashing	MFR. Manufacturer	FLBS. Foundations	T.S.L. Tempered Glass
AL. Aluminum	DFF. Dampproofing	FL. Floor	MAS. Masonry	PSF. Pounds per Square Foot	TERR. Terrazzo
AB. Anchor Bolt	DEMO. Demolition	FD. Floor Drain	MAS.G. Masonry Coursing	PSI. Pounds per Square Inch	THR. Threshold
AN. Angle	DEPTH. Depth	FLOR. Floor	MO. Masonry Opening	FT. Pressure Treated	TMS. Through Wall Scupper
APP. Approximate	DET. Detail	FTG. Footing	MAX. Maximum		TTS. Toilet Tissue Dispenser
ARCH. Architectural	DIA. Diameter	FUR. Furring	MECH. Mechanical	GT. Quarry Tile	T/O. Top of
AP. Armor Plate	DIM. Dimension	GA. Gage	MEMB. Membrane	RAD. Radius	TC. Top of Concrete
A. At	DISP. Dispenser	GALV. Galvanized	MEMB. Vent. Membrane Vent.	RL. Rain Leader	TC. Top of Curb
BSMT. Basement	DBL. Double	GS. Goose Neck	MEZZ. Mezzanine	REC.P. Receptacle	TMAS. Top of Masonry
BR. Bearing	DN. Down	GSV. Goose Neck Ventilator	MM. Millimeter	REF. Reference	T.S. Top of Slab
BM. Bench Mark	DS. Downspout	GB. Grab Bar	MISC. Miscellaneous	REFR. Refrigerator	T.S.T. Top of Steel
BLK. Blocking	DF. Drapery Fabric	GYP. Gypsum Board	NOM. Nominal	REP. Repair	T&G. Tongue & Groove
BLD. Building	ELEV. Elevation	HRL. Handrail	NIC. Not in Contract	REG. Regulator	TB. Tread
BLDGP. Building Paper	ELEV. Elevation	HDPL. Hardware	NTS. Not to Scale	RES. Resilient	TYP. Typical
BUR. Built Up Roofing	EPDM. Ethylene Propylene Diene Monomer (Roof Membrane)	HVAC. Heating Ventilating Air Conditioning	NC. Number	REV. Revision	U.C. Under Counter
CAR. Carpet	EMER. EMERGENCY	H. Height	OFF. Office	R. Riser	V.C. Valve Cabinet
CIP. Cast in Place	EQ. EQUIPMENT	HM. Hollow Metal	OC. On Center	RD. Roof Drain	V.B. Vapor Barrier
CI. Cast Iron	EXIST. EXISTING	HC. Hose Bibb	OP. Opening	RM. Room	VERT. Vertical
CB. Catch Basin	EXP.A. EXPANSION ANCHOR	HR. Hospital Casework	OPH. Opposite Hand	RO. Rough Opening	VEST. Vestibule
CL. Ceiling	EXT. EXTERIOR	HS. Hot Stack	OD. Outside Diameter	RUB. Rubber	VCT. Vinyl Composition Tile
CL. Centimeter	EIS. EXTERIOR INSULATION SYSTEM	INSUL. Insulation	OF. Overflow	SND. Sanitary Napkin Dispenser	VFS. Vinyl Feature Strip
CM. Ceramic Tile	ENC. ENCLOSURE	JAN. Janitor	OFICI. Owner Furnished, Contractor Installed	SC. Section	VNG. Vinyl Wall Covering
CHNL. Channel	F. FAHRENHEIT	JT. Joint	PNT. Paint	SS. Service Sink	WCST. Wainscot
CT. Clean Out	FKC. FABRIC COVERING	JB. Joint Backer	FR. Partition/Partial	SV. Slat Vinyl Shower	WH. Water Heater
CO. Clear	FI. FILM ILLUMINATOR	K.P. Kick Plate	FERM. Ferretter	SHVR. Single Ply Membrane	W.P. Waterproofing
CLG. Clear Wire Glass		KIT. Kitchen	PP. Pitch Pocket	SPM. Single Ply Membrane	W. With
CL. Closet		KO. Knockout	PL. Plaster	SD. Solid Dispenser	WO. Without
COL. Column			PLAM. Plastic Laminate	SGM. Solid Surfacing Material	WO. Wood
CMPO. Composition Concrete Masonry Unit			PKY. Plastic Nail Covering	SPEC. Specification	WDB. Wood Base
				S.S.T. Stainless Steel	WP. Work Point
				STR. Stand Pipe	

## GENERAL NOTES

- VERIFY ALL EXISTING CONDITIONS, REFERENCE ARTICLE 9 OF THE GENERAL CONDITIONS.
- VERTICAL DIMENSIONS ARE FROM "FLOOR LINE" WHICH IS TOP OF CONCRETE OR FINISHED FLOORING UNLESS OTHERWISE NOTED.
- HORIZONTAL DIMENSIONS ARE FROM FACE OF STUD, MASONRY, OR CONCRETE TYPICAL. HORIZONTAL DIMENSIONS FOR RATED COLUMNS ARE FROM FACE OF WALL BOARD.
- IF DOORS ARE NOT DIMENSIONALLY LOCATED ON THE PLAN, PROVIDE A MINIMUM OF 6" FROM THE DOOR JAMB TO THE FINISHED WALL SURFACE, UNLESS FEASIBLY IMPOSSIBLE.
- WOOD BLOCKING SHALL BE PROVIDED FOR ALL WALL MOUNTED EQUIPMENT NOTED ON PLANS. BLOCKING SHALL BE 2x6 MINIMUM.

## CODE DATA

REFERENCE SHEET A11

## LIST OF DRAWINGS

### CIVIL

- C1 NOTES / DETAILS
- C2 SITE PLAN
- C3 DEMOLITION / EROSION CONTROL PLAN
- C4 GRADINGS / DRAINAGE PLAN
- C5 PROFILES

### LANDSCAPE

- L10 LANDSCAPE PLAN

### ARCHITECTURAL

- A11 CODE DATA
- A21 FIRST FLOOR PLAN
- A22 SECOND FLOOR PLAN
- A23 THIRD FLOOR PLAN
- A24 ROOF PLAN
- A25 ROOM FINISH SCHEDULE
- A26 DOOR SCHEDULE / DETAILS
- A27 WINDOW TYPES / DETAILS
- A31 BUILDING ELEVATIONS
- A32 BUILDING SECTIONS / DETAILS
- A33 BUILDING SECTIONS / DETAILS
- A34 BUILDING SECTIONS / DETAILS
- A41 PARTIAL PLANS
- A51 INTERIOR ELEVATIONS / CASEWORK
- A61 FIRST FLOOR REFLECTED CEILING PLAN
- A62 SECOND FLOOR REFLECTED CEILING PLAN
- A63 THIRD FLOOR REFLECTED CEILING PLAN
- A71 STAIR PLANS / DETAILS
- A12 STAIR SECTIONS / DETAILS
- A13 STAIR / ELEVATOR SECTIONS / DETAILS
- A81 EXTERIOR DETAILS
- A82 ROOF DETAILS
- A91 PARTITION TYPES
- A92 INTERIOR DETAILS

### FOODSERVICE

- K1 EQUIPMENT PLAN / LEGEND
- K1E ELEC. ROUGHINS
- K1P PLUMB / GAS / MECH ROUGHINS
- K1S SPECIAL CONDITIONS
- K2 DETAILS
- K3 DETAILS
- K4 DETAILS

### STRUCTURAL

- S1.0 FOUNDATION PLAN
- S1.1 SECOND FLOOR FRAMING PLAN
- S1.2 THIRD FLOOR FRAMING PLAN
- S1.3 ROOF FRAMING PLAN
- S1.4 TRUSS LAYOUT PLAN
- S2.0 FOUNDATION SECTION AND DETAILS
- S2.1 SECTIONS AND DETAILS AT SOUTH WING
- S2.2 SECTIONS AND DETAILS AT NORTH WING
- S2.3 ROOF, FLOOR, WALL SECTIONS, AND DETAILS
- S2.4 BRACE DETAILS AND GENERAL NOTES

### HVAC

- HVAC1 FIRST FLOOR MECHANICAL PLAN
- HVAC2 SECOND FLOOR MECHANICAL PLAN
- HVAC3 THIRD FLOOR MECHANICAL PLAN
- HVAC4 ROOF MECHANICAL PLAN
- HVAC5 LEGEND / SCHEDULES / DETAILS / CONTROL DIAGRAMS

### PLUMBING

- P1 FIRST FLOOR PARTIAL PLANS
- P2 SECOND FLOOR PARTIAL PLANS
- P3 THIRD FLOOR PARTIAL PLANS
- P4 FIRST FLOOR PLAN
- P5 SOIL / WATER / VENT RISER DIAGRAMS
- P6 DOMESTIC WATER RISER DIAGRAMS
- P7 GAS RISER DIAGRAM / DETAILS

### ELECTRICAL

- E1 LEGENDS / SCHEDULES / RISER
- E2 FIRST FLOOR LIGHTING
- E3 FIRST FLOOR POWER / SCHEDULES
- E4 SECOND FLOOR LIGHTING
- E5 SECOND FLOOR POWER / SCHEDULES
- E6 THIRD FLOOR LIGHTING
- E7 THIRD FLOOR POWER / SCHEDULES
- E8 ROOF TOP EQUIPMENT / SCHEDULE
- E9 SITE PLAN
- E10 KITCHEN EQUIPMENT / SCHEDULES / NOTES / LEGEND
- E11 FIRST FLOOR FIRE ALARM
- E12 SECOND FLOOR FIRE ALARM
- E13 THIRD FLOOR FIRE ALARM
- E14 FIRE ALARM RISER / DETAILS

## WALL INDICATIONS

- CONCRETE MASONRY WALL
- BRICK MASONRY VENEER
- METAL STUD WALL

## SYMBOLS

- BUILDING FLOOR - NORTH OR SOUTH + ROOM NUMBER
- ROOM NUMBER
- ROOM NAME + DOOR LETTER
- DOOR NUMBER
- WINDOW TYPE
- PLAN NOTE
- COLUMN LINE
- WORK OR DATUM POINT
- REVISION
- PARTITION TYPE
- ELEVATION NUMBER
- ELEVATION
- DRAWINGS WHERE SHOWN
- SECTION NUMBER
- SECTION
- DRAWINGS WHERE SHOWN
- DETAIL NUMBER
- DETAIL
- DRAWINGS WHERE SHOWN

## MATERIAL INDICATIONS

- CONCRETE MASONRY (CMU)
- CONCRETE
- PRECAST CONCRETE
- BRICK
- STONE
- STEEL
- ALUMINUM
- POROUS FILL
- SOIL
- RIGID INSULATION
- BATT INSULATION
- SOUND ATTENUATION BATTS
- GYPSUM DRYWALL
- PLASTER OR SAND
- FLYWOOD
- FRAMING LUMBER
- FINISH WOOD
- CERAMIC TILE
- ACOUSTICAL PANELS
- LIGHTWEIGHT CONC. TOPPING

## VICINITY MAP

REFERENCE SHEET C1

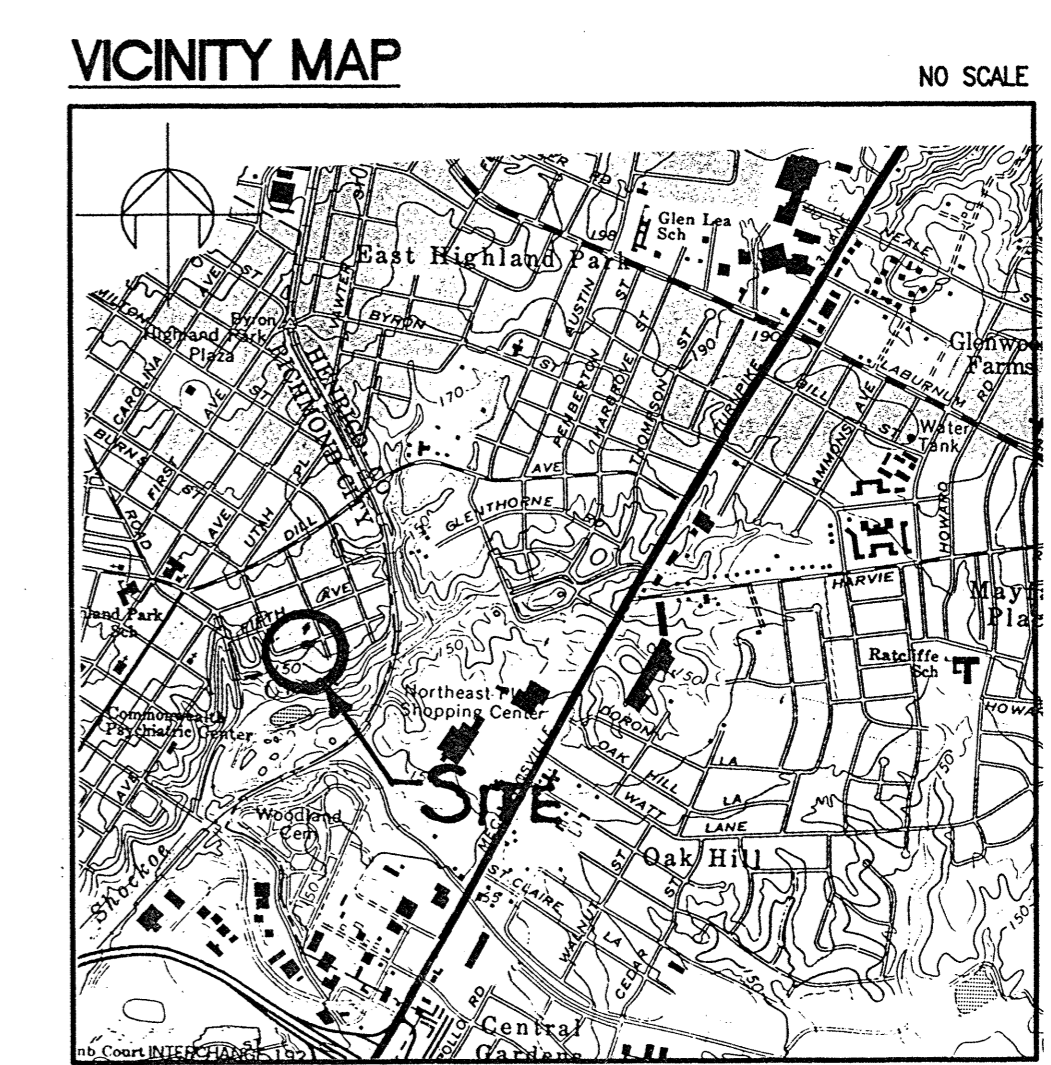
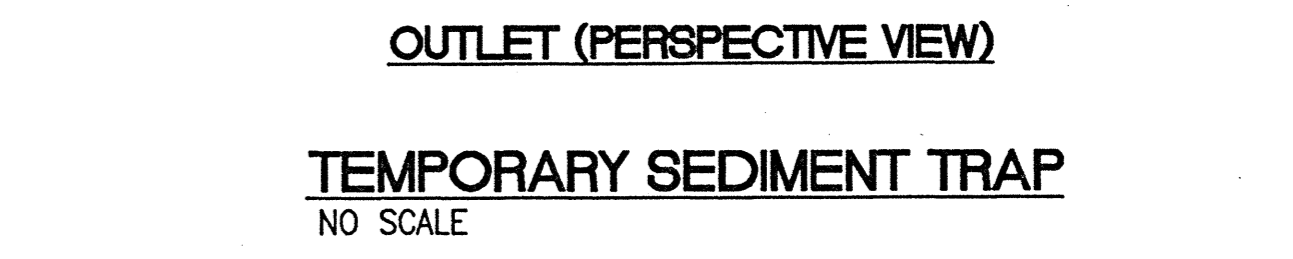
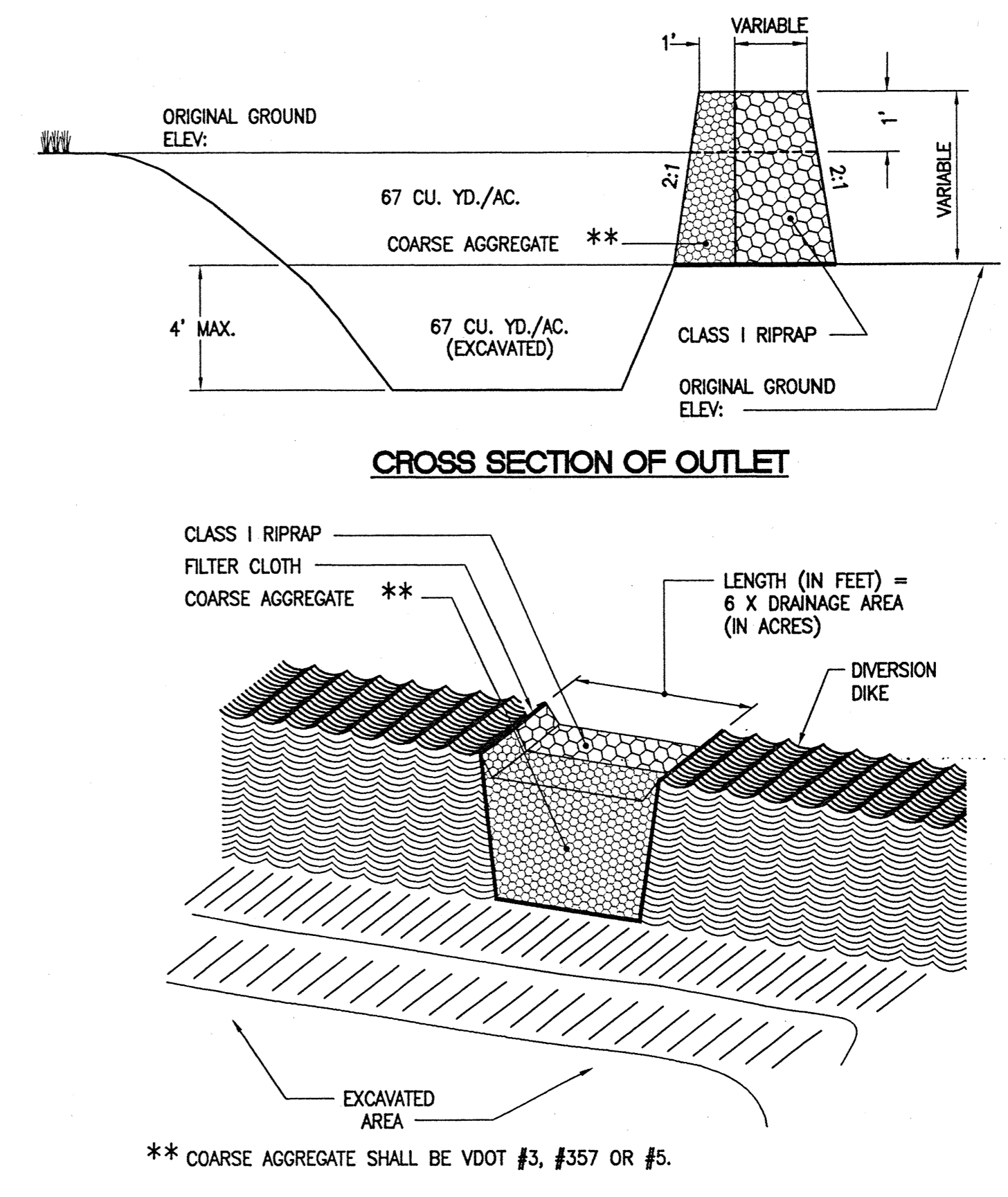
DRAWING TITLE

COVER SHEET

DATE  
03/18/98

REVISIONS  
07/09/98 CCD

© 1997 Baskervill & Son. World's largest firm in covered 100,000 sq. ft. of the work in one or more of our 100+ offices in the United States and Canada.

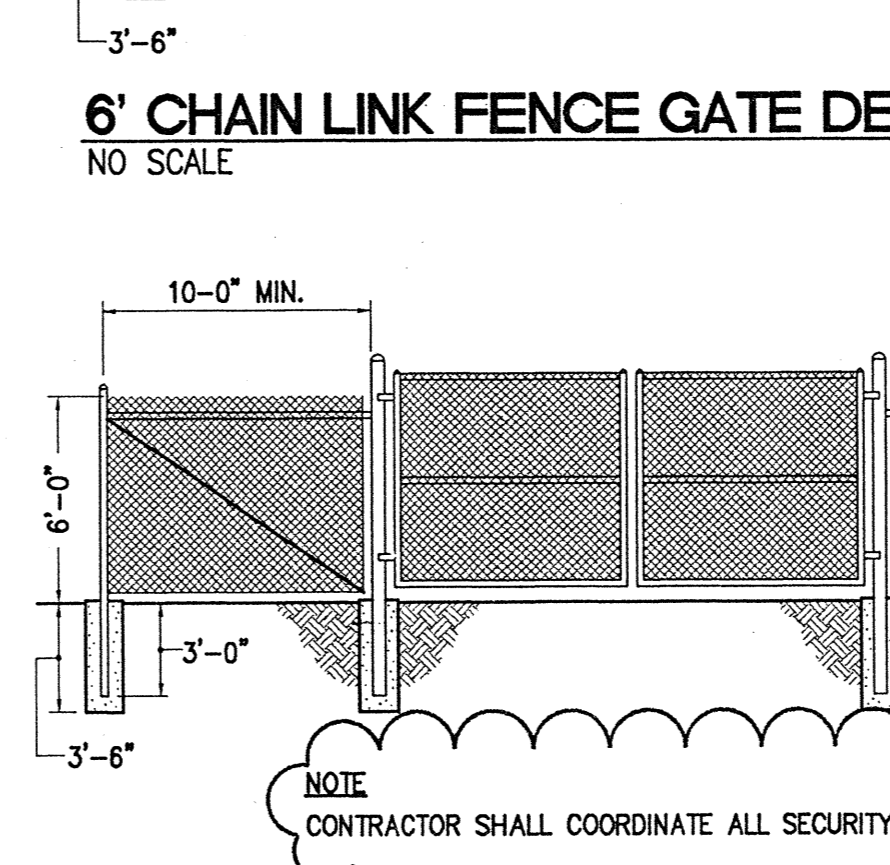
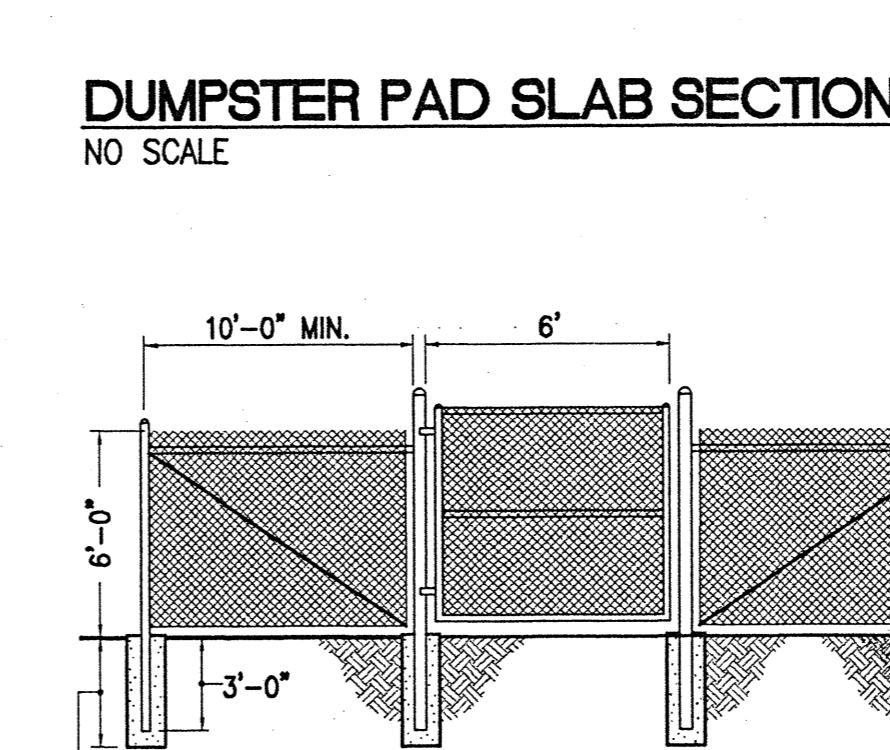
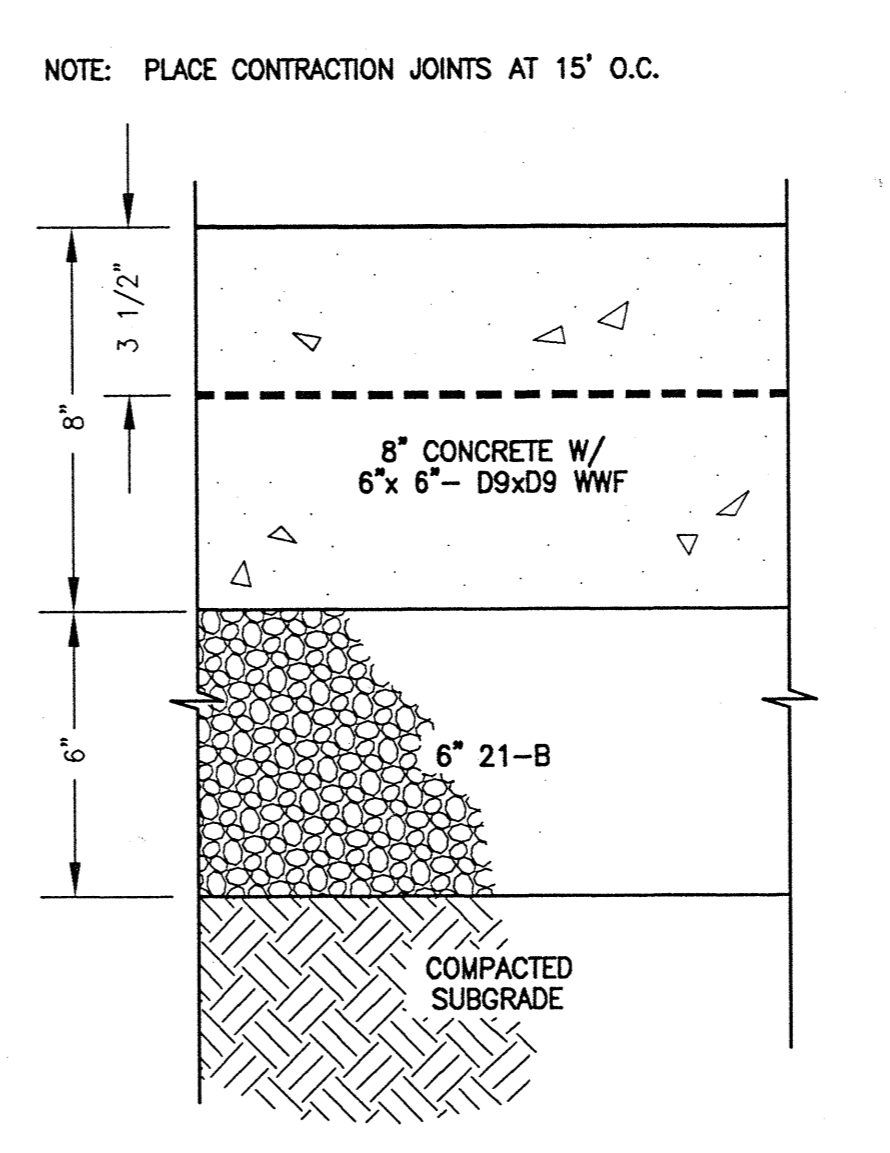


**LEGEND:**

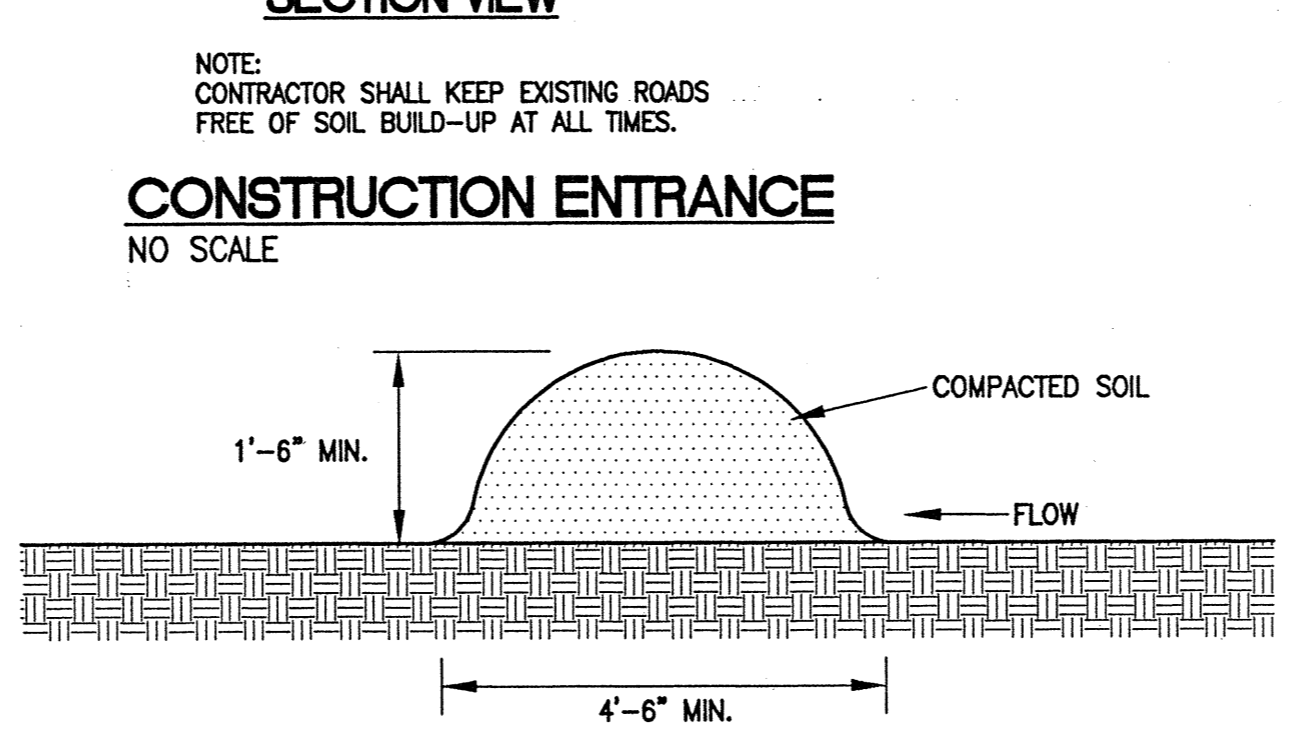
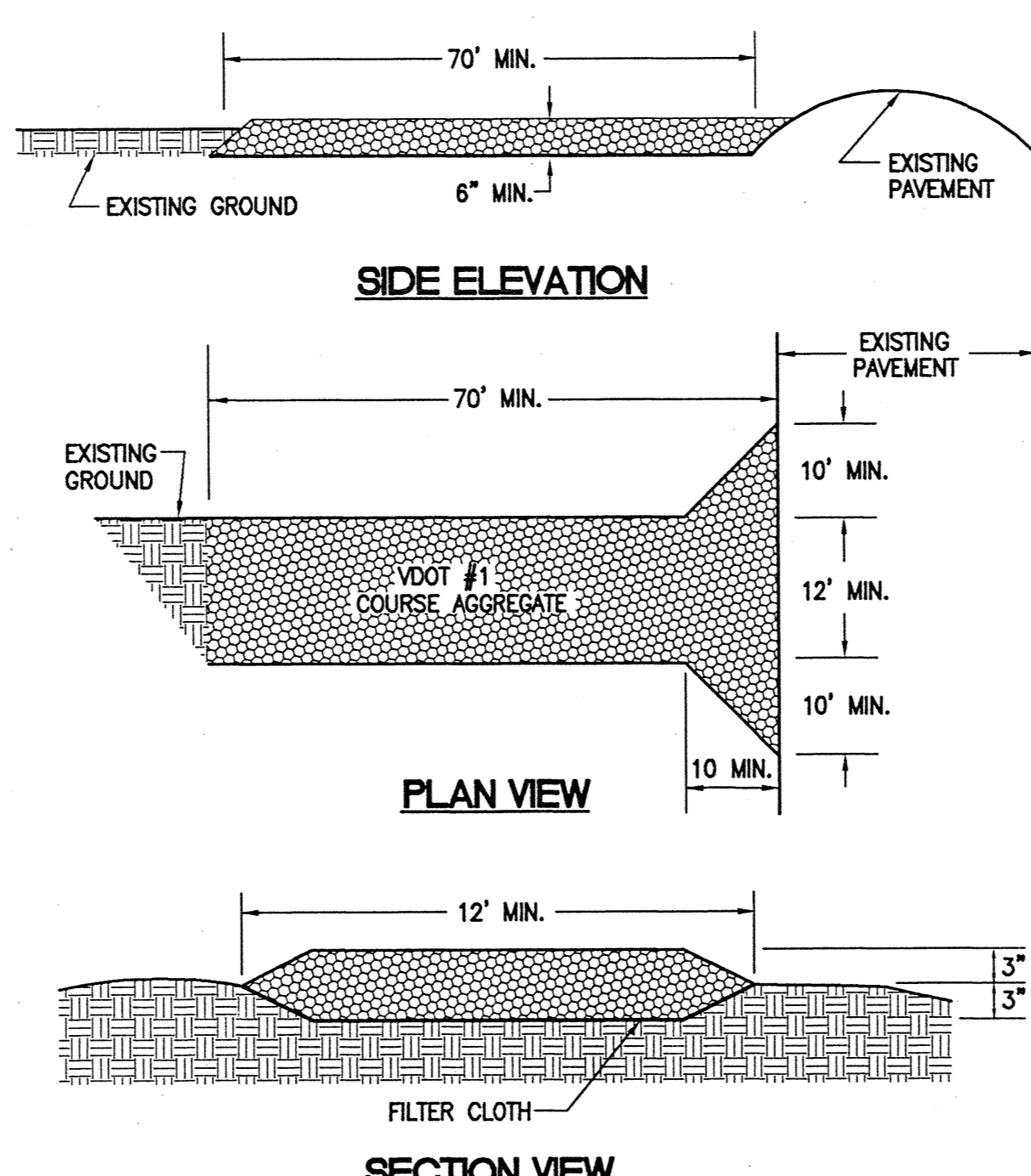
EXISTING FEATURES:	PROPOSED FEATURES:
DROP INLET & STORM SEWER	DROP INLET & STORM SEWER
STORM SEWER MANHOLE	STORM SEWER & MANHOLE
SANITARY SEWER & MANHOLE	SANITARY SEWER & MANHOLE
LATERAL	LATERAL
CLEANOUT	CLEANOUT
WATERLINE	WATERLINE
WATER VALVE	WATER VALVE
WATER METER	WATER METER
CHECK VALVE	CHECK VALVE
FIRE HYDRANT	FIRE HYDRANT
WELL (POTABLE)	WELL (POTABLE)
GAS LINE	GAS LINE
GAS VALVE	GAS VALVE
GAS DRIP	GAS DRIP
POWER POLE	POWER POLE (RELOCATED)
LIGHT POLE / STREET LAMP	LIGHT POLE / STREET LAMP
MONITORING WELL	MONITORING WELL
POWER/TELEPHONE LINE	CONTOUR LINE
CONTOUR LINE	ROOF DRAIN
EDGE OF PAVEMENT	
BENCHMARK	

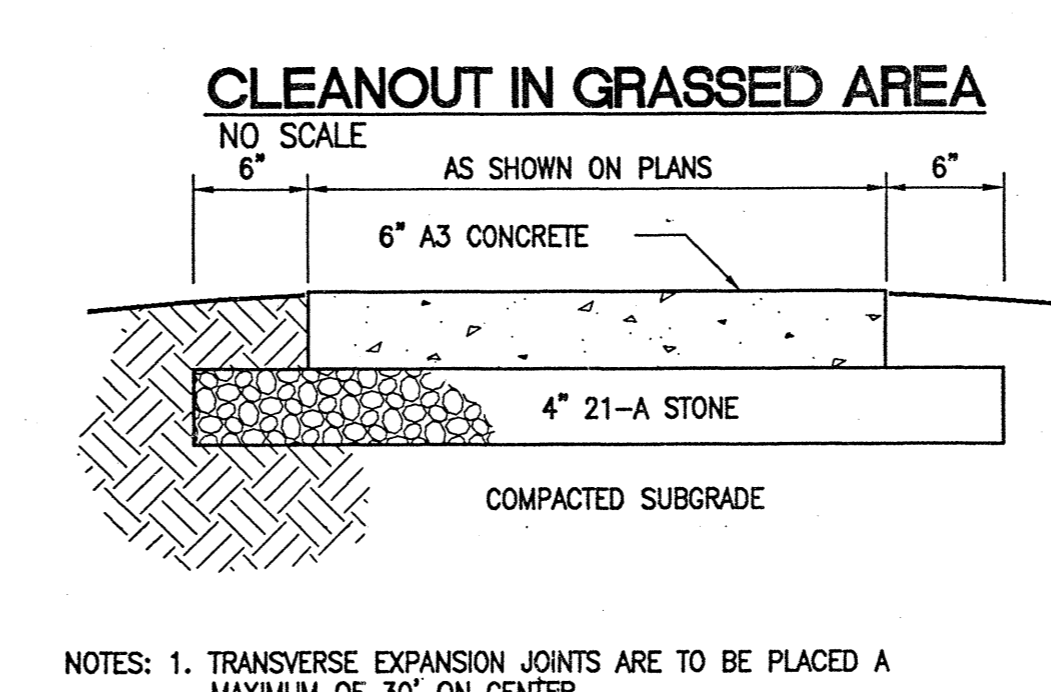
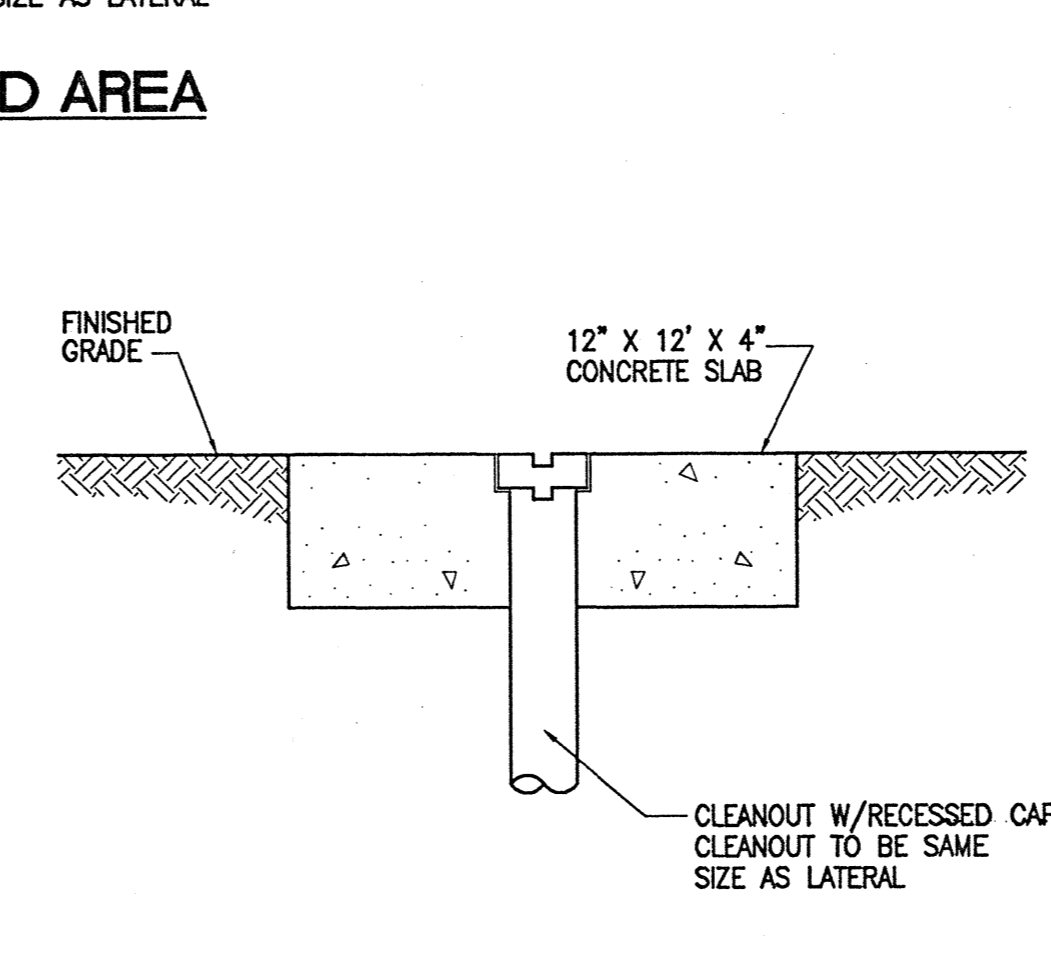
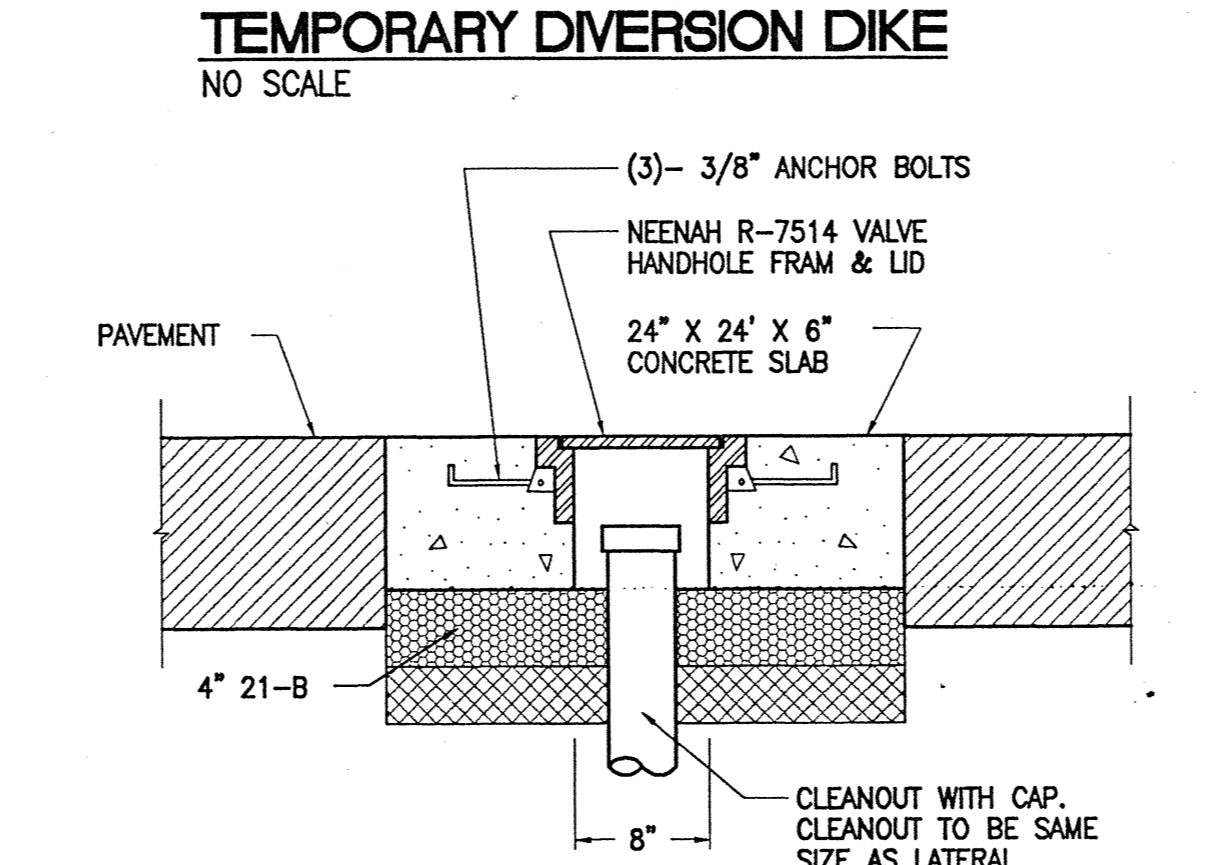
EROSION CONTROL FEATURES	
CONSTRUCTION ENTRANCE	CE
SILT FENCE	SF
CONSTRUCTION FENCE (6" CLF)	CF
TREE PROTECTION	TP
DIVERSION DIKE	DD
OUTLET PROTECTION	OP
4" CHAIN LINK FENCE	



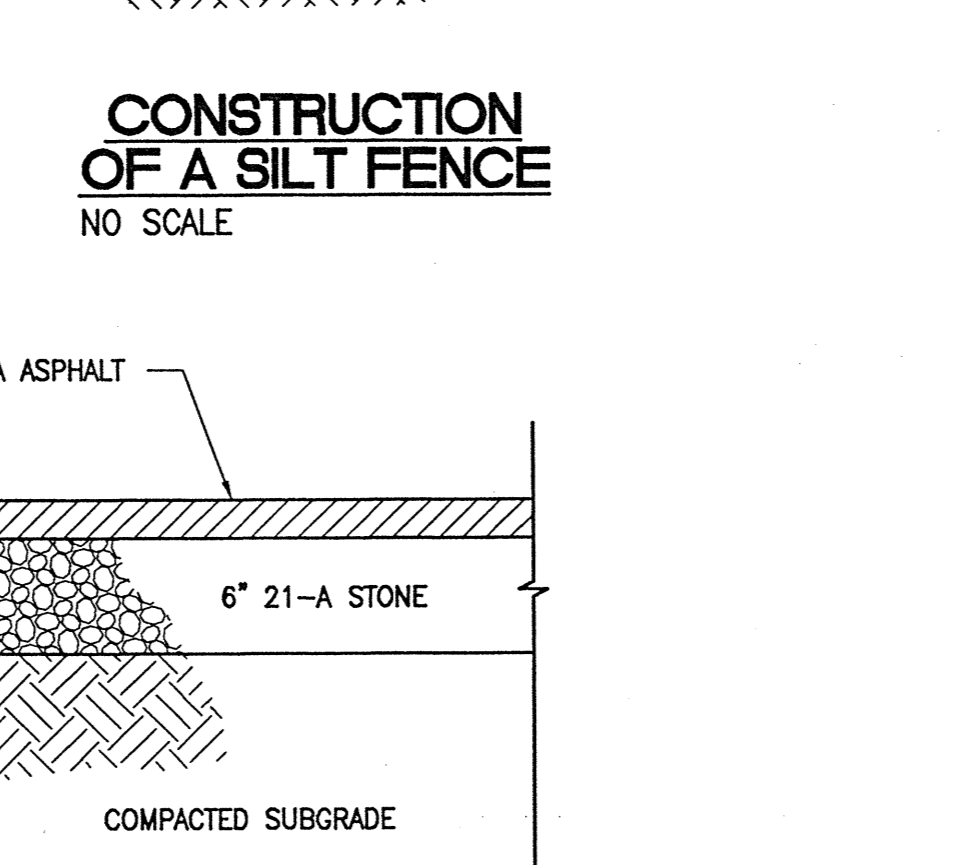
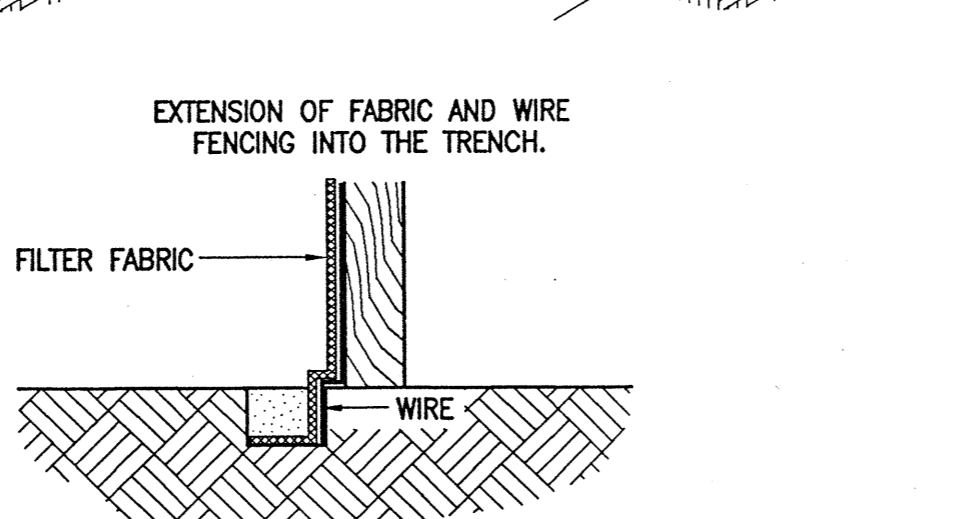
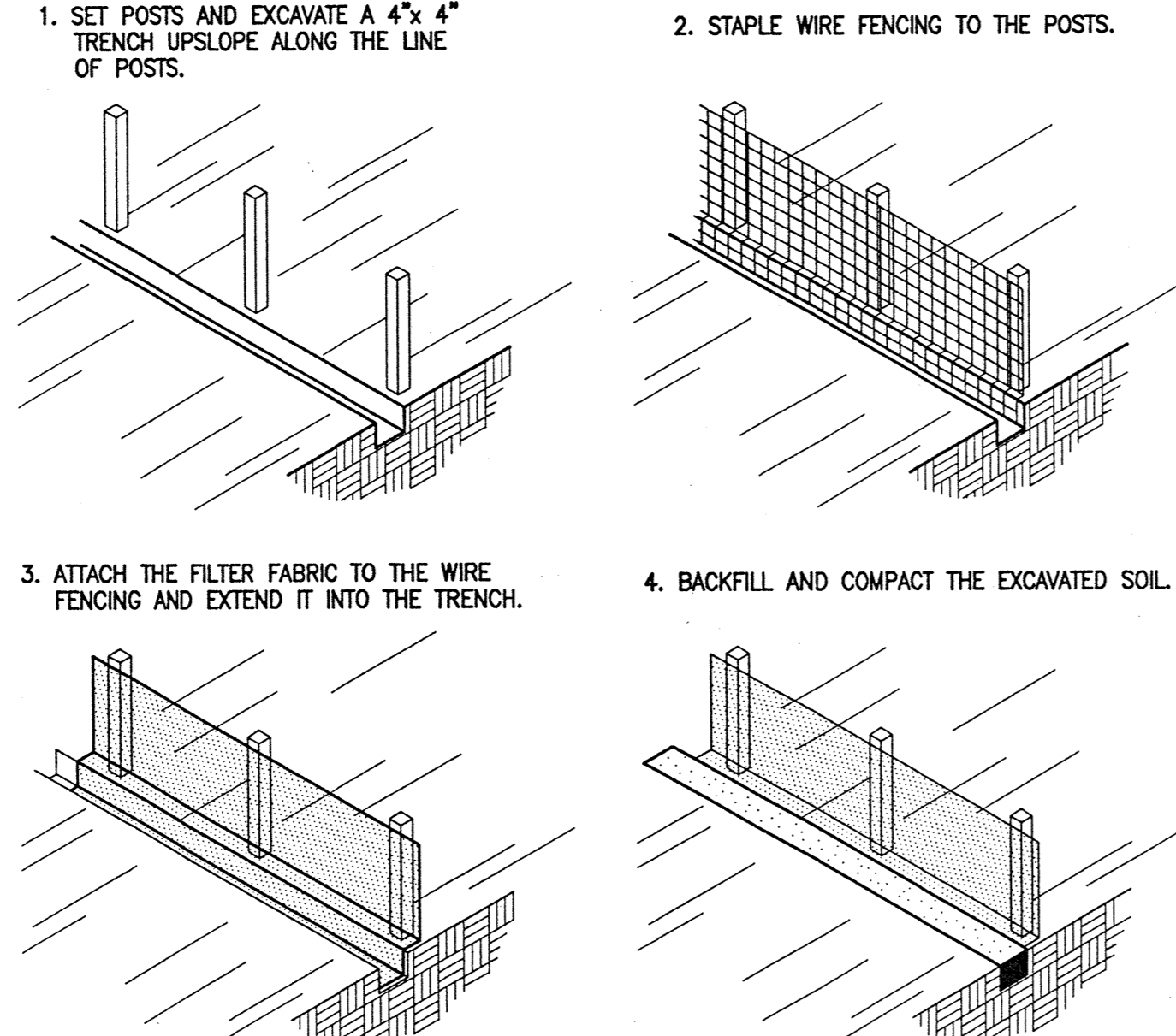
- NOTE:** CONTRACTOR SHALL COORDINATE ALL SECURITY LATCHES WITH OWNER.
- NOTES:**
- SINGLE STRAND, No. 9 GAUGE WIRE TO BE USED TO SUPPORT MESH WHEN NO FRAME IS AVAILABLE.
  - No. 6 GAUGE WIRE CLAMPS TO BE USED TO ATTACH FABRIC TO COLUMNS AND POSTS.
  - ALL GATE OR CORNER POSTS SHALL HAVE A CONCRETE FOOTER 14" IN DIAMETER. ALL LINE POSTS SHALL HAVE A FOOTER 10" IN DIAMETER.
  - BOTTOM OF FENCE SHALL BE 4" ABOVE FINISHED GRADE.
  - ALL MATERIALS AND HARDWARE ARE TO BE BLACK VINYL COATED.



- CONSTRUCTION SPECIFICATIONS**
- WHENEVER FEASIBLE, THE DIKE SHOULD BE BUILT BEFORE CONSTRUCTION BEGINS ON THE PROJECT.
  - THE DIKE SHOULD BE ADEQUATELY COMPACTED TO PREVENT FAILURE.
  - TEMPORARY OR PERMANENT SEEDING AND MULCH SHALL BE APPLIED TO THE DIKE WITHIN 15 DAYS OF CONSTRUCTION.
  - THE DIKE SHOULD BE LOCATED TO MINIMIZE DAMAGE BY CONSTRUCTION OPERATIONS AND TRAFFIC.

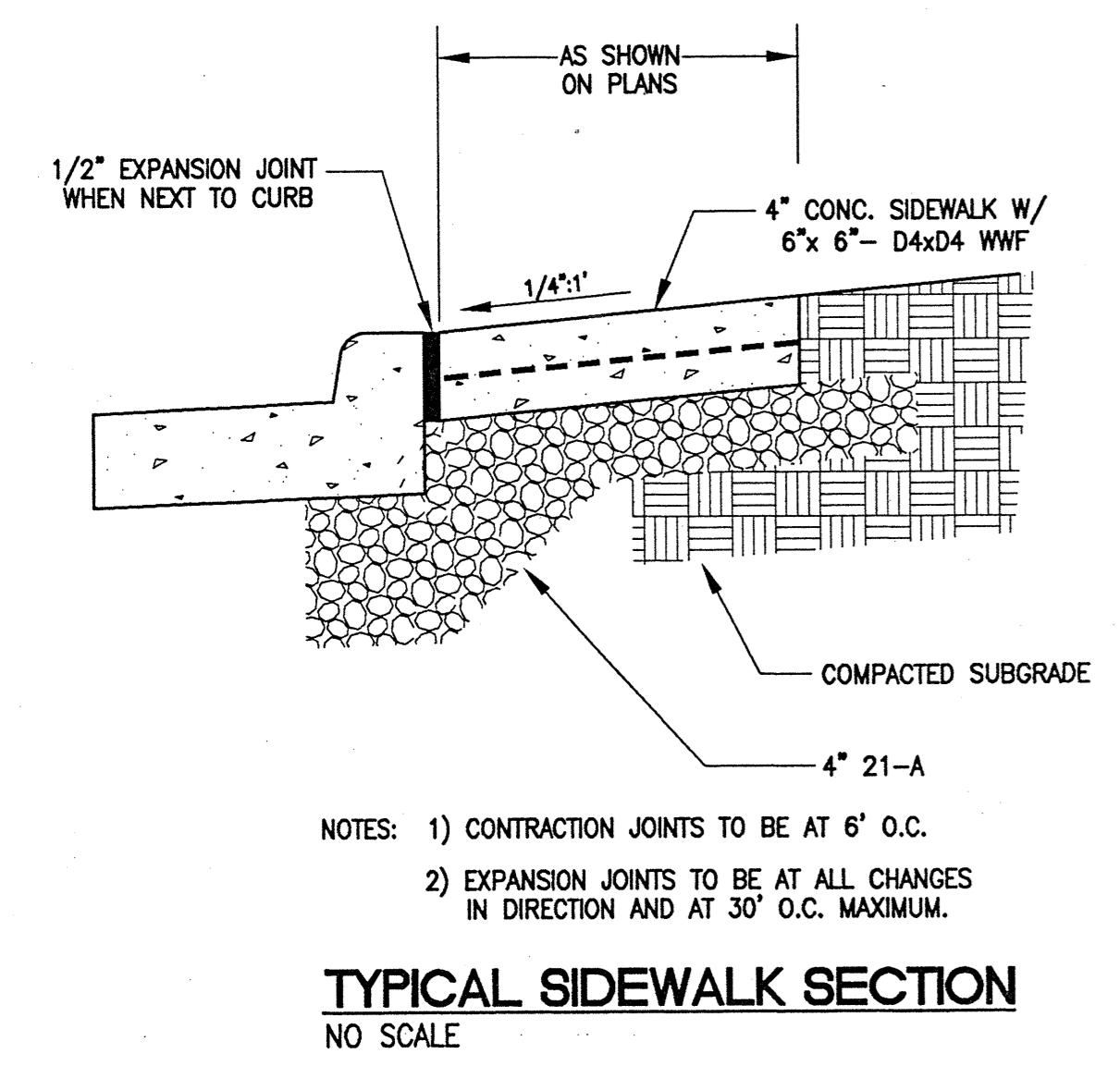
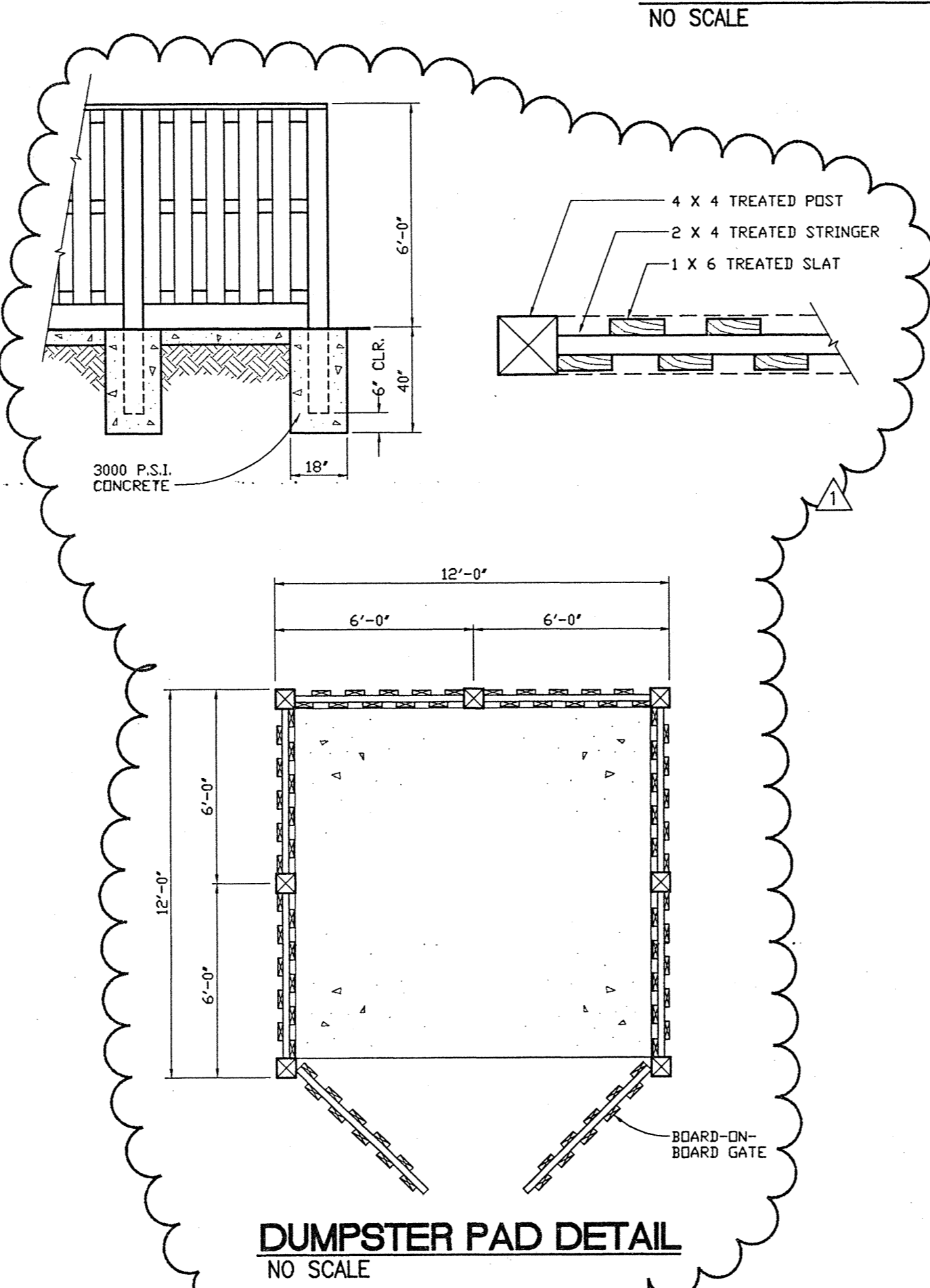


- NOTES:**
- TRANSVERSE EXPANSION JOINTS ARE TO BE PLACED A MAXIMUM OF 30' ON CENTER.
  - TRANSVERSE CONTROL JOINTS ARE TO BE PLACED AT 5' ON CENTER BETWEEN EXPANSION JOINTS.
  - LONGITUDINAL JOINTS ARE REQUIRED FOR SIDEWALKS WITH WIDTHS GREATER THAN 10'. LONGITUDINAL JOINTS SHALL BE PLACED AT EQUAL INTERVALS NOT TO EXCEED 10' IN WIDTH.



**CITY OF RICHMOND  
EROSION AND SEDIMENT CONTROL NOTES**

- PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENuded AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENuded AREAS THAT MAY NOT BE AT FINAL GRADE, BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.
- EXCESS EXCAVATION DISPOSED OFF THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
- EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP OF THE LAND DISTURBING ACTIVITY.
- EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED SO THAT SEDIMENT CARRYING RUNOFF FROM THE SITE WILL NOT ENTER STORM DRAINAGE FACILITIES.
- EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED UNTIL THE DISTURBED AREA IS STABILIZED.
- PROPERTIES ADJOINING THE SITE SHALL BE KEPT CLEAN OF MUD OR SILT CARRIED FROM THE SITE BY VEHICULAR TRAFFIC OR RUNOFF.
- THE DISPOSAL OF WASTE MATERIALS REMOVED FROM EROSION AND SEDIMENT CONTROL FACILITIES AND THE DISPOSAL OF THESE FACILITIES SHALL BE IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
- STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.
- DURING CONSTRUCTION OF THE PROJECT, SOIL STOCK PILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERIODICALLY INSPECT ALL SEDIMENT AND EROSION CONTROL DEVICES AND INSURE THAT THEY ARE IN GOOD WORKING ORDER. AT A MINIMUM, ALL DEVICES SHALL BE INSPECTED WEEKLY AND AFTER MAJOR RAINFALL EVENTS. ANY DEVICE NEEDING REPAIRS SHALL BE REPAIRED WITHIN 24 HOURS.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES IF, DURING THE COURSE OF CONSTRUCTION, THE CITY OF RICHMOND OR THE ARCHITECT DETERMINES THAT THEY ARE REQUIRED.
- SILT SHALL BE REMOVED FROM SILT FENCES WHEN THE SILT REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- THE CONTRACTOR SHALL PERIODICALLY TOP DRESS THE CONSTRUCTION ENTRANCE WITH CLEAN STONE. THE VEHICLE TIRES SHALL BE WASHED IF THE CONSTRUCTION ENTRANCE FAILS TO REMOVE DIRT FROM THE TIRES OF VEHICLES ENTERING A PAVED STREET. DIRT TRACKED ONTO PAVED STREETS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- EVERY STORM INLET SHALL BE PROVIDED WITH INLET PROTECTION TO PREVENT SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROL DEVICES UNTIL ALL OF THE WORK IS ACCEPTED BY THE OWNER.



- NOTES:**
- CONTRACTION JOINTS TO BE AT 6' O.C.
  - EXPANSION JOINTS TO BE AT ALL CHANGES IN DIRECTION AND AT 30' O.C. MAXIMUM.

**GENERAL NOTES**

- OWNER/DEVELOPER: RUBICON, INC.  
2825 RADY STREET  
RICHMOND, VIRGINIA 23222
- CONSULTING ENGINEER: DRAPER ADEN ASSOCIATES  
4136 INNSLAKE DRIVE  
GLEN ALLEN, VIRGINIA 23060  
(804) 270-7675, FAX (804) 270-9130
- TAX MAP NUMBER: N005-1082-001
- DISTURBED AREA: 1.70 ± ACRES
- ZONING: I (INSTITUTIONAL)
- PROPOSED USE: MEN'S TREATMENT FACILITY
- DIMENSIONS AND RADII ARE TO FACE OF CURB OR EDGE OF PAVEMENT, WHERE APPLICABLE UNLESS OTHERWISE INDICATED.
- DIMENSIONS AT BUILDING ARE TO OUTSIDE FACE UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM THE CITY OF RICHMOND.
- ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND AT HIS EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- ALL DRAINAGE STRUCTURES SHALL BE BUILT AND INSTALLED IN ACCORDANCE WITH VIRGINIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
- THE LOCATION OF EXISTING SEWER, WATER OR GAS LINES, CONDUITS OR OTHER STRUCTURES ACROSS, UNDERNEATH, OR OTHERWISE ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS, AND IF SHOWN ARE ONLY APPROXIMATELY CORRECT. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHOWN ON THE PLANS IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLANS, IF THERE APPEARS TO BE A CONFLICT, OR UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON THE PLANS. FOR ASSISTANCE IN LOCATING EXISTING UTILITIES CALL "MISS UTILITY" • 1-800-552-7001.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION, EXCEPT WHERE CITY OF RICHMOND STANDARDS ARE APPLICABLE.
- DAMAGE TO UTILITIES (INCLUDING UNDERGROUND) OR PROPERTY OF OTHERS BY CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO PRECONSTRUCTION CONDITIONS BY CONTRACTOR AT NO COST TO OWNER.
- EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY CONTRACTOR (WHICH ARE NOT TO BE REMOVED) SHALL BE REPAIRED TO LIKE NEW CONDITION.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL DITCHES, PIPES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURE IN OPERABLE CONDITION.
- THE OWNER SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY CITY INSPECTORS.
- PARKING SPACES SHALL BE DELINEATED BY FOUR INCH WIDE WHITE TRAFFIC PAINT. YELLOW TRAFFIC PAINT SHALL BE USED IN "NO PARKING" AREAS.
- LANDSCAPING AND SITE IMPROVEMENTS WILL BE INSTALLED AND MAINTAINED SO AS NOT TO INTERFERE WITH SIGHT DISTANCE NEEDS OF DRIVERS WITHIN THE PARKING AREA AND AT ENTRANCE/EXIT LOCATIONS.
- THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR AT LEAST 24 HOURS PRIOR TO STARTING WORK ON THIS PROJECT.
- ALL PROPOSED STORM SEWER SHOWN IS PRIVATE.
- THE TOPOGRAPHY AND BOUNDARY INFORMATION SHOWN ON THE PLANS IS BASED ON A FIELD SURVEY COMPLETED BY KONITZ BRYANT, P.C. CIVIL ENGINEERS & SURVEYORS.
- THE CONTRACTOR SHALL COORDINATE THE CLOSURE OF ANY ROADWAYS WITH THE OWNER. THE CLOSURE OF ROADWAYS SHALL BE MINIMIZED TO THE MAXIMUM EXTENT POSSIBLE. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND PROVIDING ALL APPROPRIATE SIGNAGE, LIGHTING, BARRICADES, FLAGMEN, AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES TO DIRECT AND/OR DETOUR TRAFFIC DURING ROADWAY CLOSURES.
- THE CONTRACTOR SHALL PROTECT ALL OTHER TREES NOT SPECIFICALLY SHOWN TO BE REMOVED WITH APPROPRIATE MEASURES.
- CUT AND FILL SLOPES SHALL NOT EXCEED A SLOPE OF 2:1 (50 PERCENT GRADE) UNLESS OTHERWISE NOTED ON THE PLANS.
- STANDARD VDOT PRECAST STRUCTURES ARE CALLED FOR ON THE PLANS. THE CONTRACTOR MAY SUBSTITUTE VDOT CAST IN-PLACE CONCRETE DRAINAGE STRUCTURES WHERE APPROPRIATE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT ALL INVERT ELEVATIONS SHOWN ON THE PLANS CAN BE MET BY ANY STRUCTURES USED ON THE PROJECT.
- ALL STORM SEWER PIPE IS TO BE ASTM-C76 CLASS III REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED ON THE PLANS.
- WHERE PLANS CALL FOR JOINING EXISTING PAVEMENT THE CONTRACTOR SHALL PROVIDE CUT JOINT AND/OR ASPHALT OVERLAY AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN UTILITIES SERVING BUILDINGS THROUGHOUT THE DURATION OF CONSTRUCTION.

SEDIMENT TRAP SPECIFICATIONS	
TRAP A:	
DRAINAGE AREA	-1.65 AC
WET STORAGE VOLUME (REQUIRED)	-111 CY (2997 CF)
WET STORAGE VOLUME (PROVIDED)	-118 CY (3176 CF)
BOTTOM ELEVATION	-153.50
BOTTOM OF BERM ELEVATION	-156.50
DRY STORAGE VOLUME (REQUIRED)	-111 CY (2997 CF)
DRY STORAGE VOLUME (PROVIDED)	-133 CY (3604 CF)
DRY STORAGE ELEVATION (TOP)	-158.50
OUTLET LENGTH	-10 FT
BERM WIDTH	-2 FT

OWNER  
**RUBICON, INC.**  
**MEN'S TREATMENT FACILITY**

COMMISSION

**RADY STREET**  
**RICHMOND, VA.**

Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

**Draper Aden Associates**  
CONSULTING ENGINEERS  
BLACKSBURG, VIRGINIA - RICHMOND, VIRGINIA

*Glenn W. Custis*  
GLENN W. CUSTIS  
CERTIFICATE No. 80939  
5/14/98  
PROFESSIONAL ENGINEER

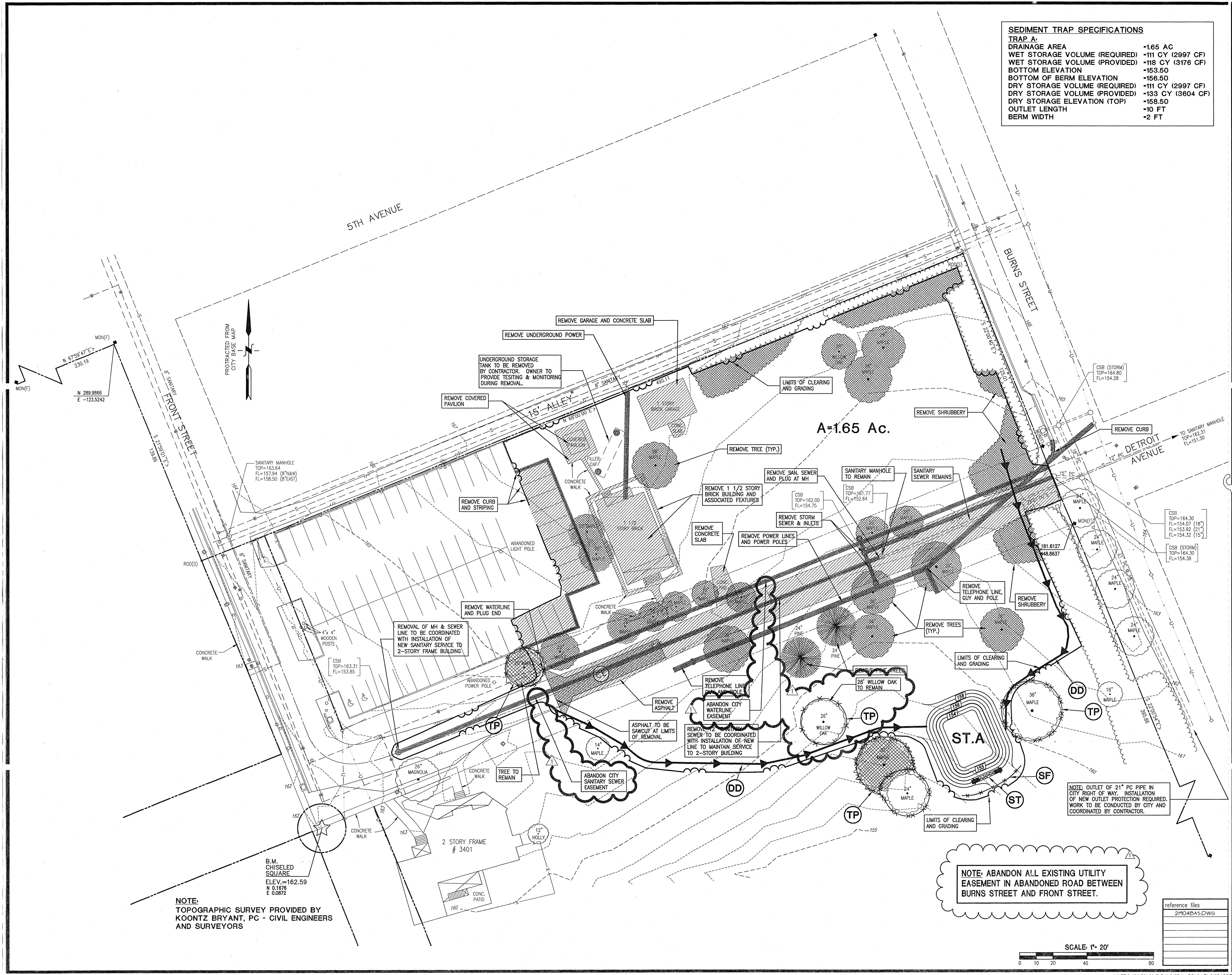
DRAWING TITLE  
**DEMOLITION AND EROSION CONTROL PLAN**

DATE  
**MARCH 18, 1998**

REVISIONS  
▲ PER CITY COMMENTS 4/29/98

DRAWING NUMBER  
**97187**

C-2



**NOTE: ABANDON ALL EXISTING UTILITY EASEMENT IN ABANDONED ROAD BETWEEN BURNS STREET AND FRONT STREET.**

SCALE: 1" = 20'

reference files
21904BAS.DWG

**NOTE:**  
TOPOGRAPHIC SURVEY PROVIDED BY  
KOONTZ BRYANT, PC - CIVIL ENGINEERS  
AND SURVEYORS

B.M.  
CHISELED SQUARE  
ELEV. = 162.59  
N 0.1676  
E 0.0872

2 STORY FRAME  
# 3401

**ST.A**

**A=1.65 Ac.**

REMOVE GARAGE AND CONCRETE SLAB

REMOVE UNDERGROUND POWER

UNDERGROUND STORAGE TANK TO BE REMOVED BY CONTRACTOR. OWNER TO PROVIDE TESTING & MONITORING DURING REMOVAL.

REMOVE COVERED PAVILION

REMOVE CURB AND STRIPING

REMOVAL OF MH & SEWER LINE TO BE COORDINATED WITH INSTALLATION OF NEW SANITARY SERVICE TO 2-STORY FRAME BUILDING

REMOVE WATERLINE AND PLUG END

REMOVE TELEPHONE LINE AND POLE

ABANDON CITY WATERLINE EASEMENT

REMOVE SANITARY SEWER TO BE COORDINATED WITH INSTALLATION OF NEW LINE TO MAINTAIN SERVICE TO 2-STORY BUILDING

REMOVE ASPHALT

ASPHALT TO BE SAWCUT AT LIMITS OF REMOVAL

REMOVE 1 1/2 STORY BRICK BUILDING AND ASSOCIATED FEATURES

REMOVE CONCRETE SLAB

REMOVE STORM SEWER & INLETS

REMOVE POWER LINES AND POWER POLES

REMOVE SANITARY SEWER AND PLUG AT MH

REMOVE TREE (TYP.)

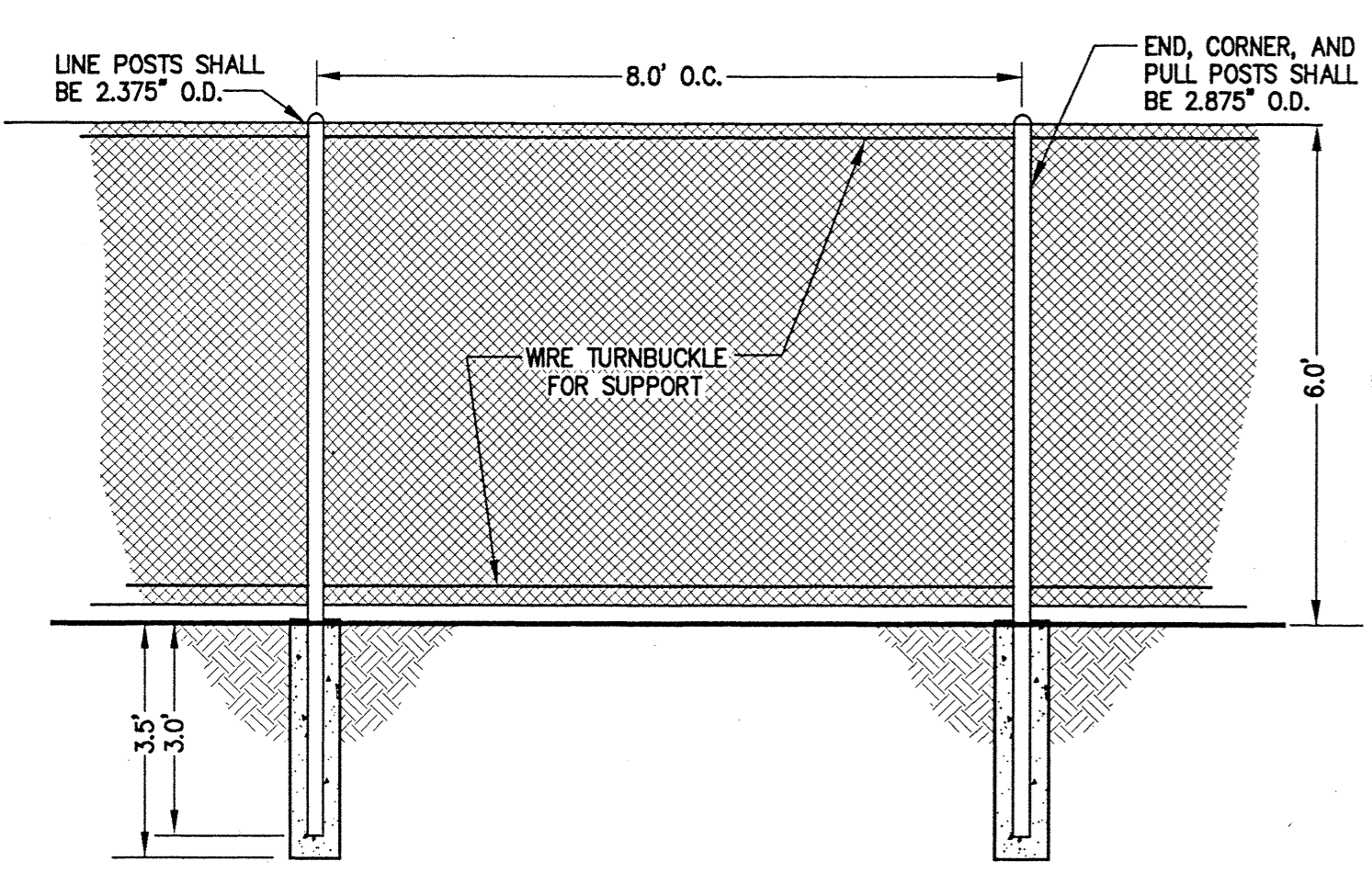
REMOVE SHRUBBERY

REMOVE CURB

REMOVE SHRUBBERY

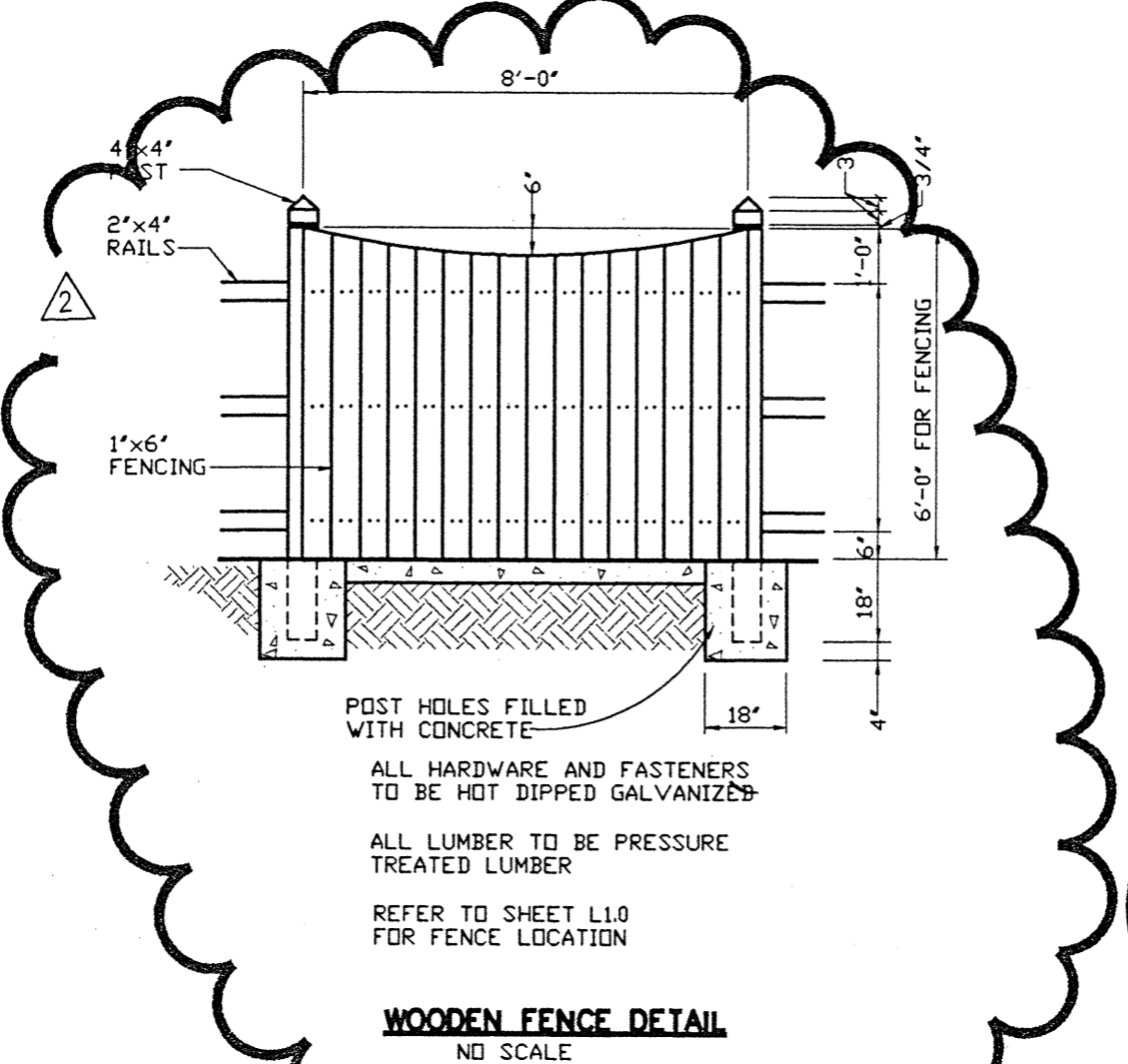
REMOVE TREE (TYP.)

REMOVE SHRUBBERY

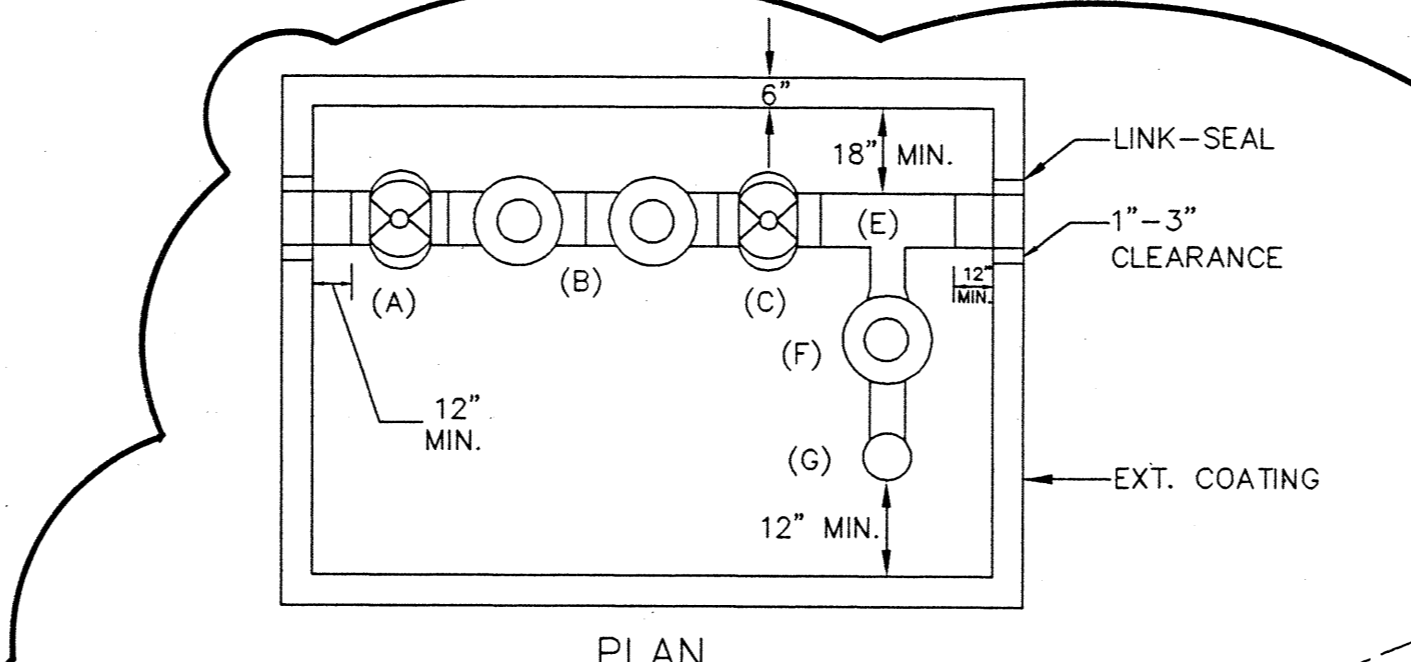


1. SINGLE STRAND No. 9 GAUGE WIRE TO BE USED TO SUPPORT MESH WHEN NO FRAME IS AVAILABLE.
2. No. 6 GAUGE WIRE CLAMPS TO BE USED TO ATTACH FABRIC TO COLUMNS AND POSTS.
3. WIRE MESH TO BE BLACK VINYL COATED. ALL ASSOCIATED POSTS, COLUMNS, AND HARDWARE TO BE BLACK VINYL COATED.
4. ALL GATE OR CORNER POSTS SHALL HAVE A CONCRETE FOOTER 14" IN DIAMETER. ALL LINE POSTS SHALL HAVE A CONCRETE FOOTER 10" IN DIAMETER.
5. BOTTOM OF FENCE SHALL BE AT FINISHED GRADE.
6. POSTS SHALL BE TOPPED WITH VINYL COATED MALLEABLE IRON FITTING TO EXCLUDE WATER FROM PIPE INTERIOR.

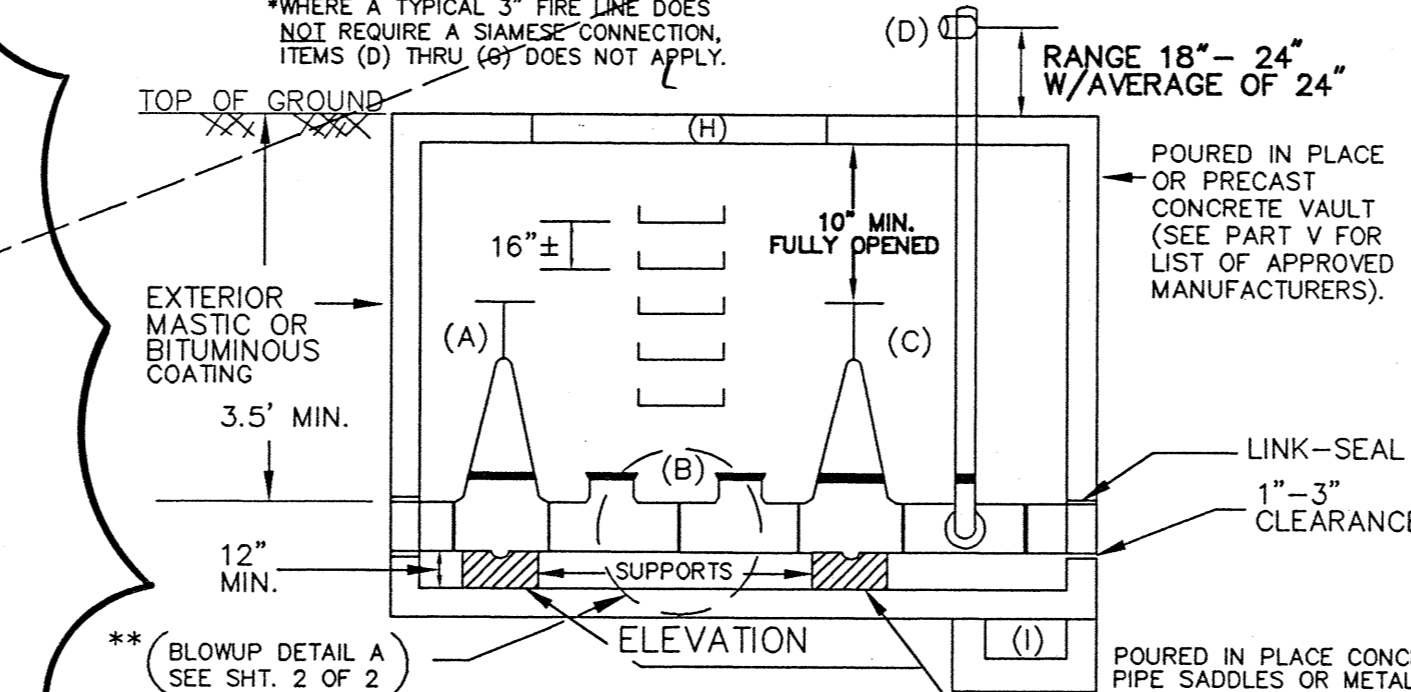
**72' VINYL COATED CHAIN LINK FENCE DETAIL**  
 NO SCALE



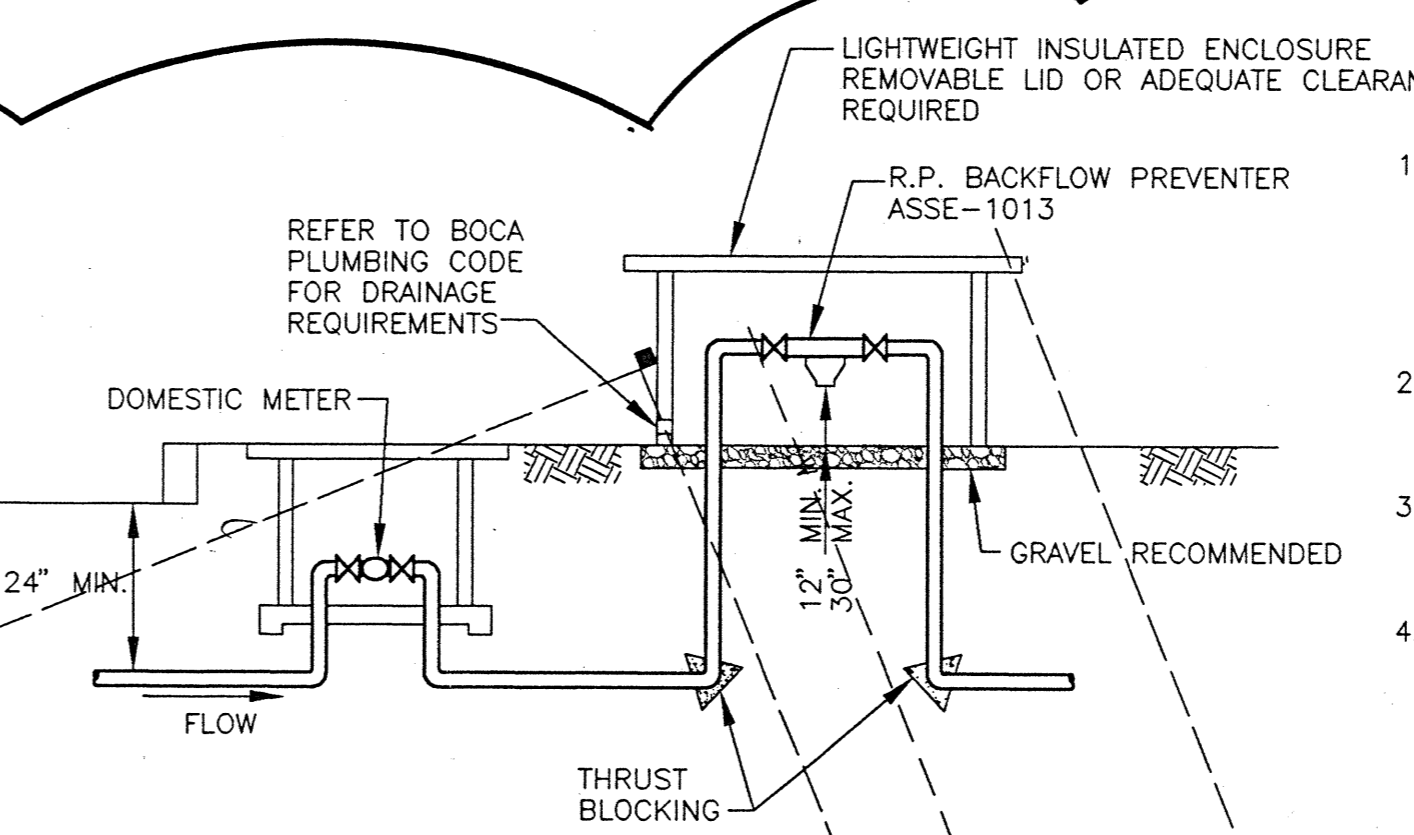
**WOODEN FENCE DETAIL**  
 NO SCALE



- (A) OUTSIDE STEM AND YOKE GATE VALVE  
 (B) DOUBLE CHECK VALVE ASSEMBLY  
 (C) OUTSIDE STEM AND YOKE GATE VALVE  
 (D) 2 1/2" THREADED N.S.T. SIAMASE CONNECTION FOR FIRE DEPARTMENT W/AUTOMATIC BALL DRIP  
 (E) REQUIRED (MAIN LINE SIZE) 7" X 4"  
 (F) 4" CHECK VALVE  
 (G) 4" - 90° BEND  
 (H) 20-2AL 4" X 4" BLOOD DOOR, OR AS MANUFACTURED BY VA SPRINKLER COMPANY, OR APPROVED EQUAL  
 (I) SUMP WHERE WATER TABLE IS A PROBLEM OR GRAVITY DRAIN WHERE WATER TABLE IS NOT A PROBLEM

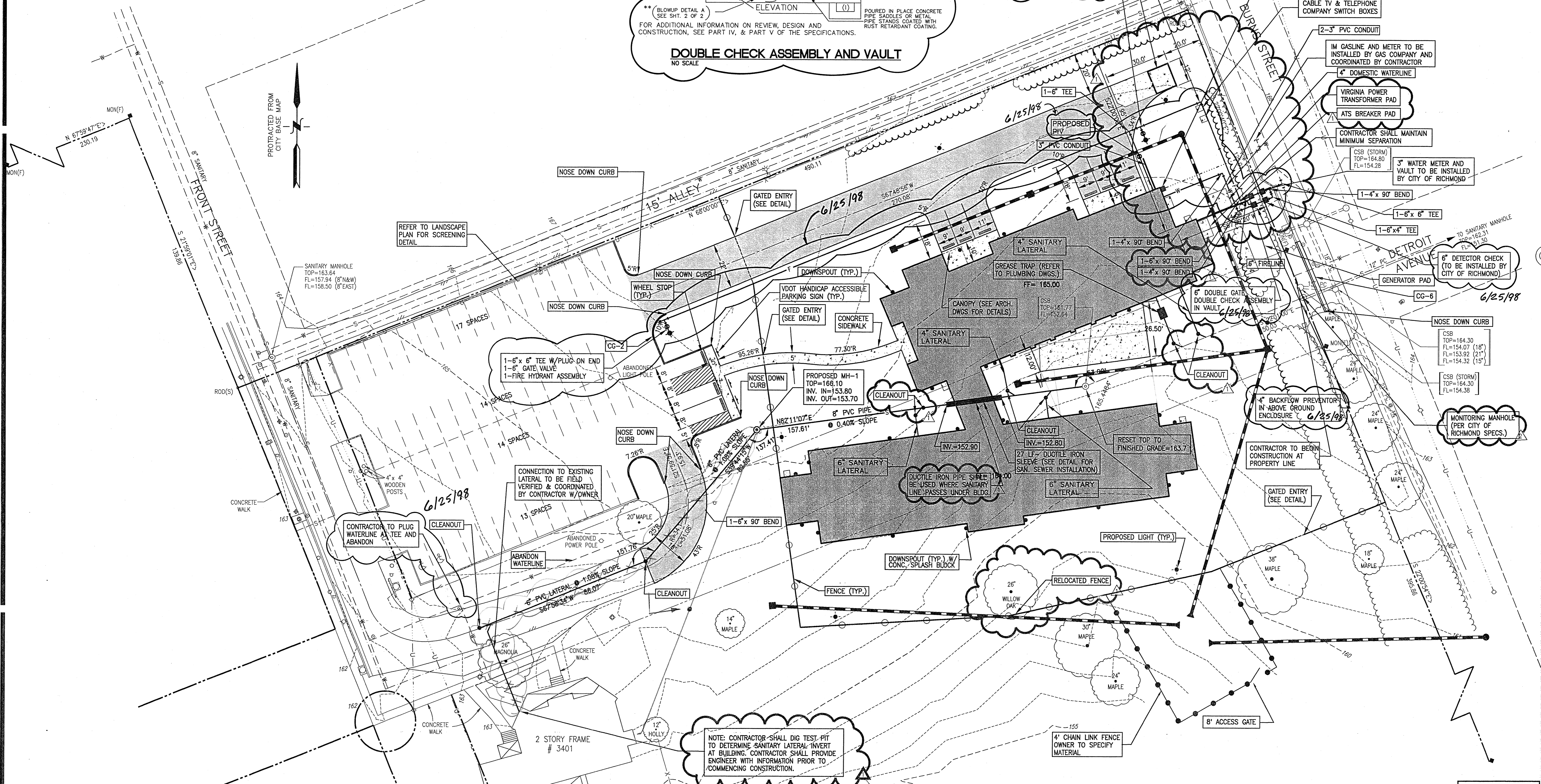


**DOUBLE CHECK ASSEMBLY AND VAULT**  
 NO SCALE



**REDUCED PRESSURE BACKFLOW PREVENTER**  
 NO SCALE

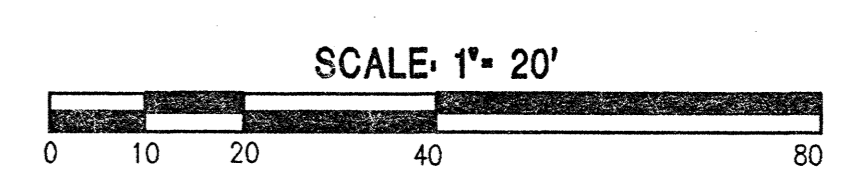
1. INSTALL PIPING AND BACKFLOW PREVENTER, INCLUDING BRASS MALE TEST COCK ADAPTERS-(4) STRAIGHT HOSE ADAPTER FITTINGS, 1/4" S.A.E. 45° FLARE TUBE X 1/4" NPT. FOR CONNECTION TO TEST DEVICE. BACKFLOW PREVENTION DEVICES WILL BE INSTALLED AS THE WATER SERVICE CONNECTION AFTER THE DOMESTIC METER. NO TAP-INS WILL BE PERMITTED FOR ANY PURPOSE BETWEEN METER AND BACKFLOW DEVICE.
2. METER BOX AND YOKE IN ACCORDANCE WITH CITY OF RICHMOND STANDARDS TO BE INSTALLED BY THE CONTRACTOR. THE DOMESTIC METER WILL BE INSTALLED BY THE CITY OF RICHMOND.
3. FREEZE PROTECTION IS REQUIRED. RECOMMENDED OPTIONS ARE: A LIGHTWEIGHT, INSULATED ENCLOSURE OR INSTALLATION OF HEAT TAPE. ALL METHODS OF FREEZE PROTECTION MUST ALLOW ACCESSIBILITY TO DEVICE FOR TESTING AND REPAIRS.
4. THE BACKFLOW PREVENTION ASSEMBLY'S SHUTOFF VALVES SHALL BE THE ONES APPROVED BY THE MANUFACTURER FOR THAT BACKFLOW PREVENTION ASSEMBLY.



NOTE: CONTRACTOR SHALL DIG TEST PIT TO DETERMINE SANITARY LATERAL INVERT AT BUILDING. CONTRACTOR SHALL PROVIDE ENGINEER WITH INFORMATION PRIOR TO COMMENCING CONSTRUCTION.

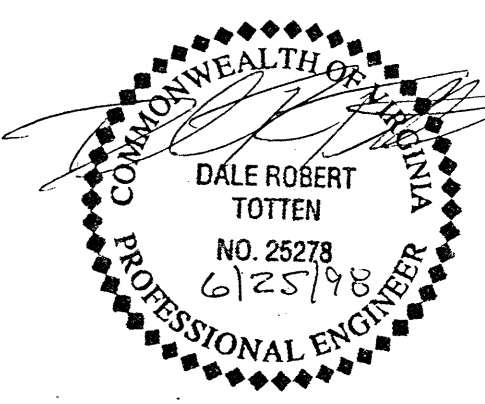
NOTE:  
 TOPOGRAPHIC SURVEY PROVIDED BY  
 KOONTZ BRYANT, PC - CIVIL ENGINEERS  
 AND SURVEYORS

reference files
21904DAS.DWG
PS1TED.DWG

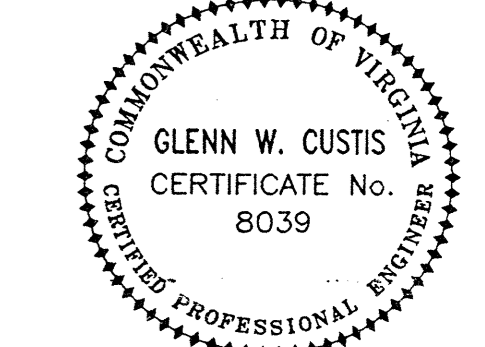


BASKERVILLE & SONS

Architects and Engineers  
 114 Virginia Street, P.O. Box 400  
 Richmond, Virginia 23218-0400  
 (804) 343-1010



Draper Aden Associates  
 CONSULTING ENGINEERS  
 BASKERVILLE, VIRGINIA - RICHMOND, VIRGINIA



DRAWING TITLE  
**SITE PLAN**

DATE  
**MARCH 18, 1998**

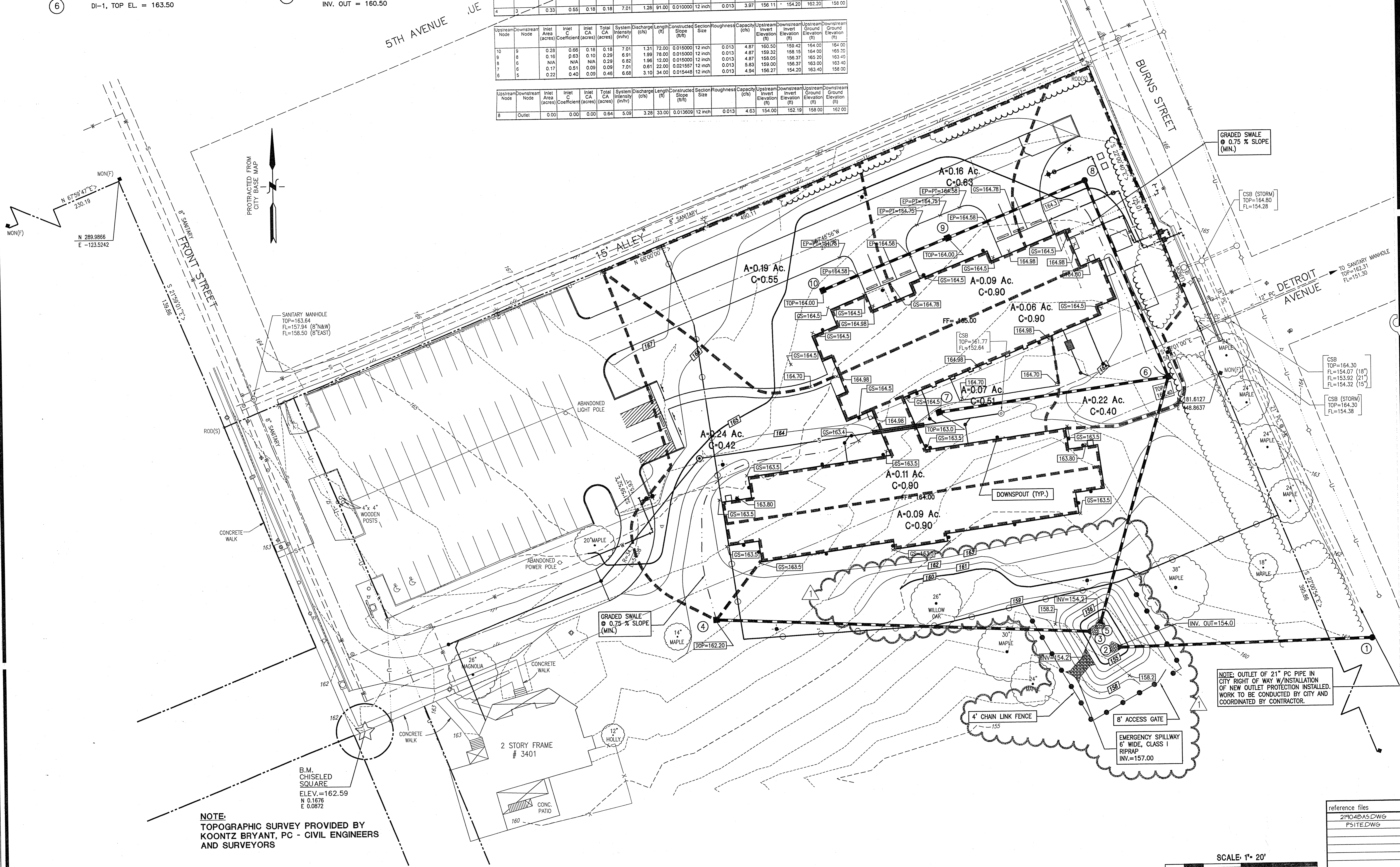
REVISIONS
PER CITY COMMENT 4/24/98
PER CITY COMMENT 5/28/98
PER CITY COMMENT 6/25/98

DRAWING NUMBER  
**97187**

**STORM SEWER SCHEDULE**

- ① STD. MH-1 TOP = EXISTING GRADE
- ① TO ② 132 LF, 12" RCP @ 1.37%  
INV. OUT = 152.19 INV. IN = 154.00
- ② 12" ES-1 INV. OUT = 154.00
- ③ 12" RCP ES-1, INV. OUT = 154.20
- ③ TO ④ 91 LF, 12" RCP @ 1.00%  
INV. OUT = 154.20 INV. IN = 156.11
- ④ TOP EL. = 162.20 INV. OUT = 156.11  
12" PVC W/ NEENAH R-4385 GRATE IN BELL END
- ⑤ 15" RCP ES-1, INV. OUT = 154.20
- ⑤ TO ⑥ 134 LF, 15" RCP @ 1.55%  
INV. OUT = 154.20 INV. IN = 156.27
- ⑥ DI-1, TOP EL. = 163.50
- ⑥ TO ⑦ 122 LF, 12" RCP @ 2.16%  
INV. OUT = 156.37 INV. IN = 159.00
- ⑦ TOP EL. = 163.00 INV. OUT = 156.37  
12" PVC W/ NEENAH R-4385 GRATE IN BELL END
- ⑧ TO ⑧ 112 LF, 15" RCP @ 1.50%  
INV. OUT = 158.05 INV. IN = 158.05
- ⑧ STD. MH-1, TOP EL. = 165.20  
INV. OUT = 158.05 INV. IN = 158.15
- ⑧ TO ⑨ 78 LF, 15" RCP @ 1.50%  
INV. OUT = 158.15 INV. IN = 159.32
- ⑨ DI-1, TOP EL. = 164.00  
INV. OUT = 159.32 INV. IN = 159.42
- ⑨ TO ⑩ 72 LF, 15" RCP @ 2.00%  
INV. OUT = 159.42 INV. IN = 160.50
- ⑩ DI-1, TOP EL. = 164.00  
INV. OUT = 160.50

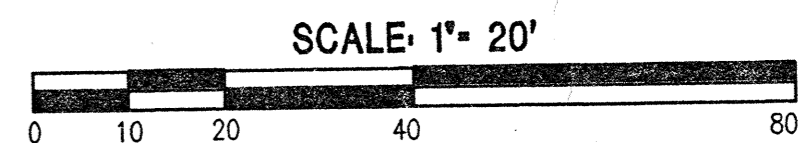
Node Upstream Downstream	Inlet Area (acres)	Inlet CA (acres)	Total CA (acres)	Ground Upstream Downstream (ft)	HGL Upstream Downstream (ft)	Slope Energy Discharge (ft/ft)	Section Discharge Capacity (cfs)	Section Shape Size	Length (ft)	Average Velocity (ft/s)	Description	
2	0.00	0.00	0.00	158.00	152.99	0.013479	4.34	Circular 12 inch	33.00	5.93		
10	0.28	0.18	0.46	164.00	160.95	0.014429	1.31	Circular 15 inch	72.00	2.84		
9	0.16	0.10	0.26	164.00	159.99	0.015000	7.91	Circular 15 inch	78.00	3.47		
8	0.17	0.09	0.26	163.50	158.78	0.014631	9.40	Circular 15 inch	22.00	1.67		
6	N/A	N/A	0.29	163.50	158.61	0.013698	1.96	Circular 15 inch	12.00	2.97		
6	0.22	0.09	0.31	163.50	157.21	0.015000	7.91	Circular 15 inch	34.00	5.21		
6	0.22	0.09	0.31	163.50	156.98	0.014533	3.09	Circular 15 inch	34.00	5.21		
4	0.33	0.18	0.51	162.20	156.58	0.009884	1.28	Circular 12 inch	91.00	3.78		
3	0.33	0.18	0.51	164.61	154.81	0.013000	3.97	Circular 12 inch	156.11	154.20	162.20	158.00



**NOTE:**  
TOPOGRAPHIC SURVEY PROVIDED BY  
KOONTZ BRYANT, PC - CIVIL ENGINEERS  
AND SURVEYORS

**NOTE:** OUTLET OF 21" PC PIPE IN  
CITY RIGHT OF WAY W/ INSTALLATION  
OF NEW OUTLET PROTECTION INSTALLED.  
WORK TO BE CONDUCTED BY CITY AND  
COORDINATED BY CONTRACTOR.

Reference files
21904BAS.DWG
P51TED.DWG



OWNER  
**RUBICON, INC.**  
MEN'S  
TREATMENT  
FACILITY

COMMISSION

**RADY STREET**  
RICHMOND, VA.

**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

**Drapers Adan Associates**  
CONSULTING ENGINEERS  
BLACKSBURG, VIRGINIA • RICHMOND, VIRGINIA

GLENN W. CUSTIS  
CERTIFICATE No. 8039  
5/29/88  
REGISTERED PROFESSIONAL ENGINEER

DRAWING TITLE  
**GRADING AND  
DRAINAGE PLAN**

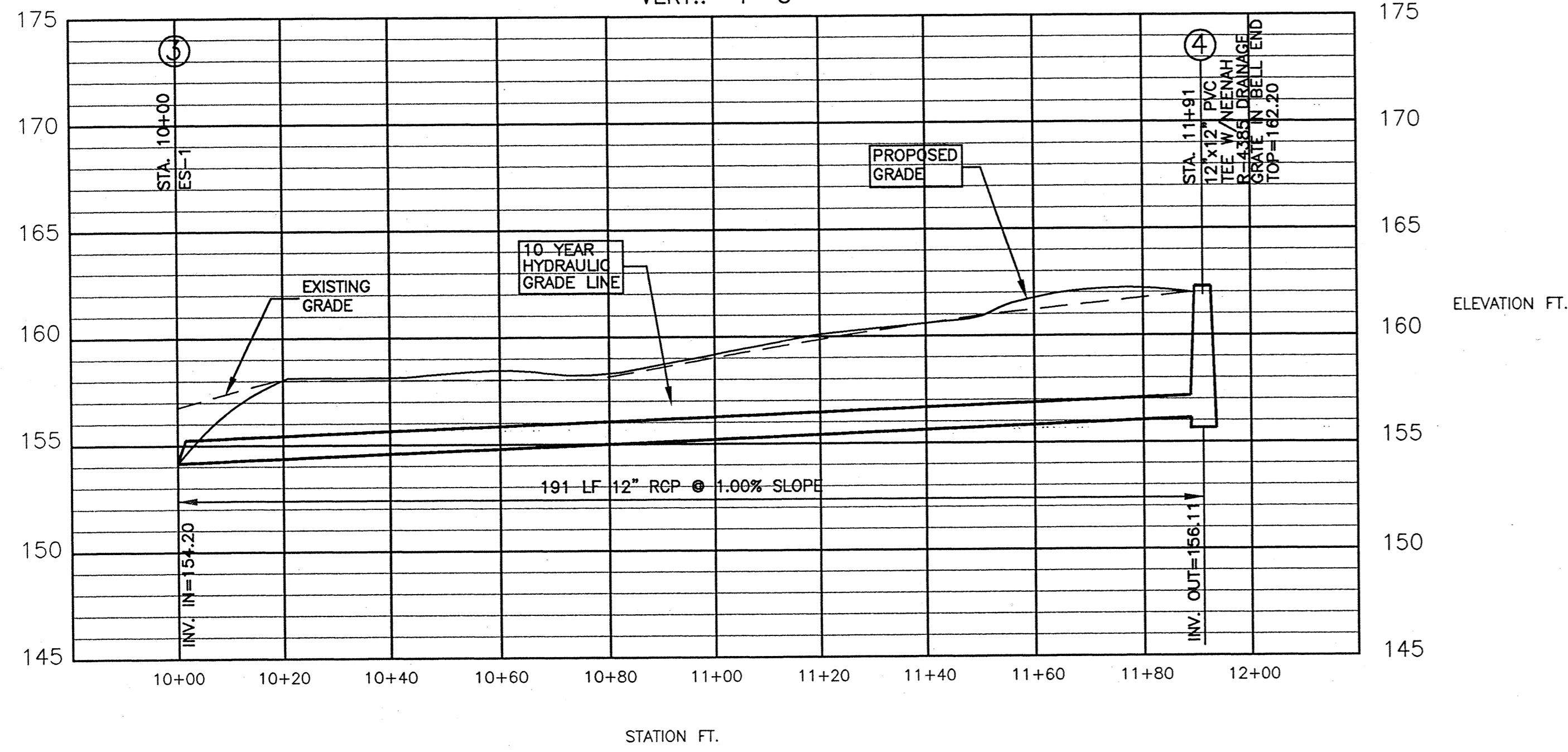
DATE  
**MARCH 18, 1998**

REVISIONS  
PER CITY COMMENT 4/24/98

DRAWING NUMBER  
**97187**

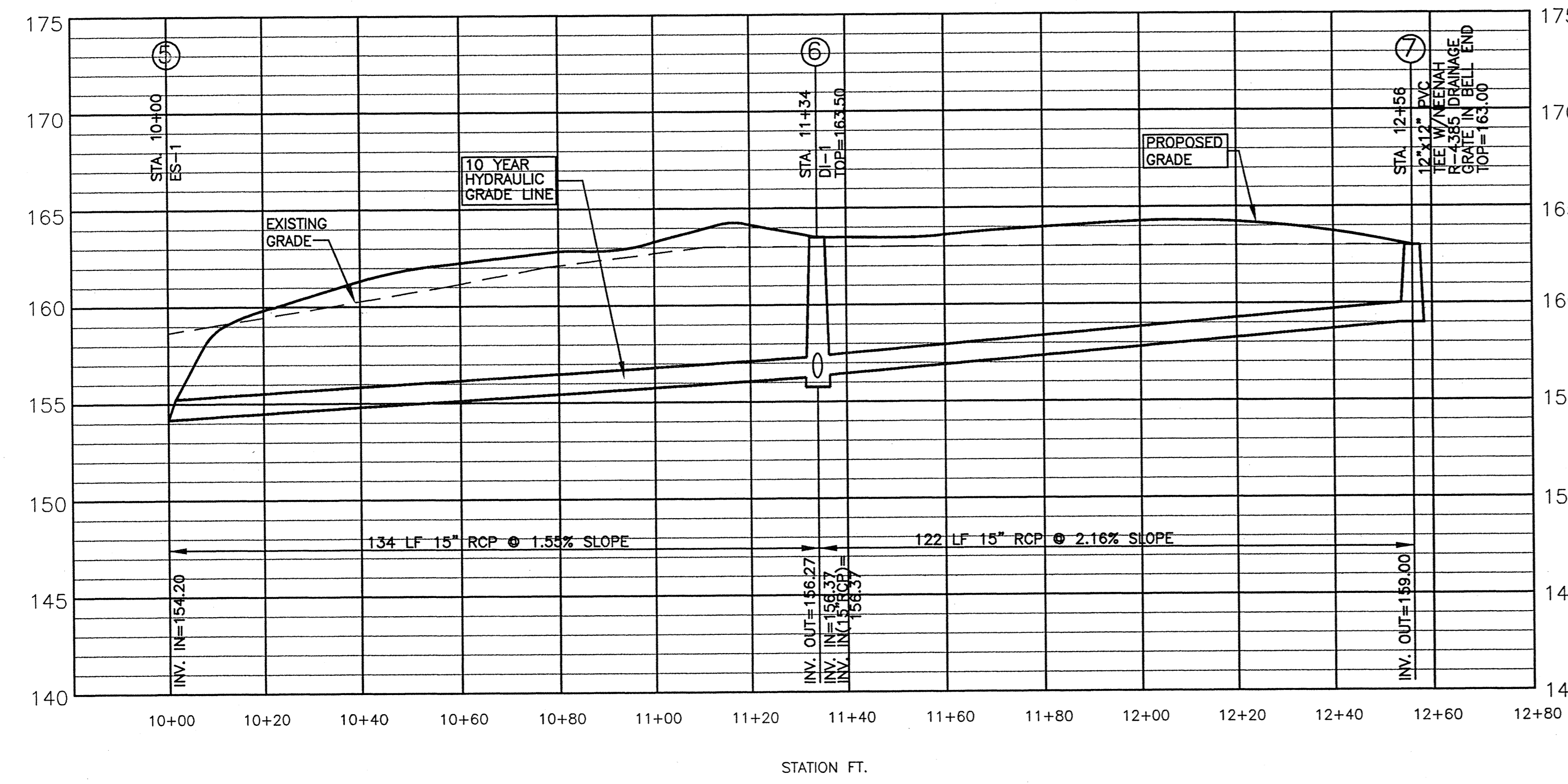
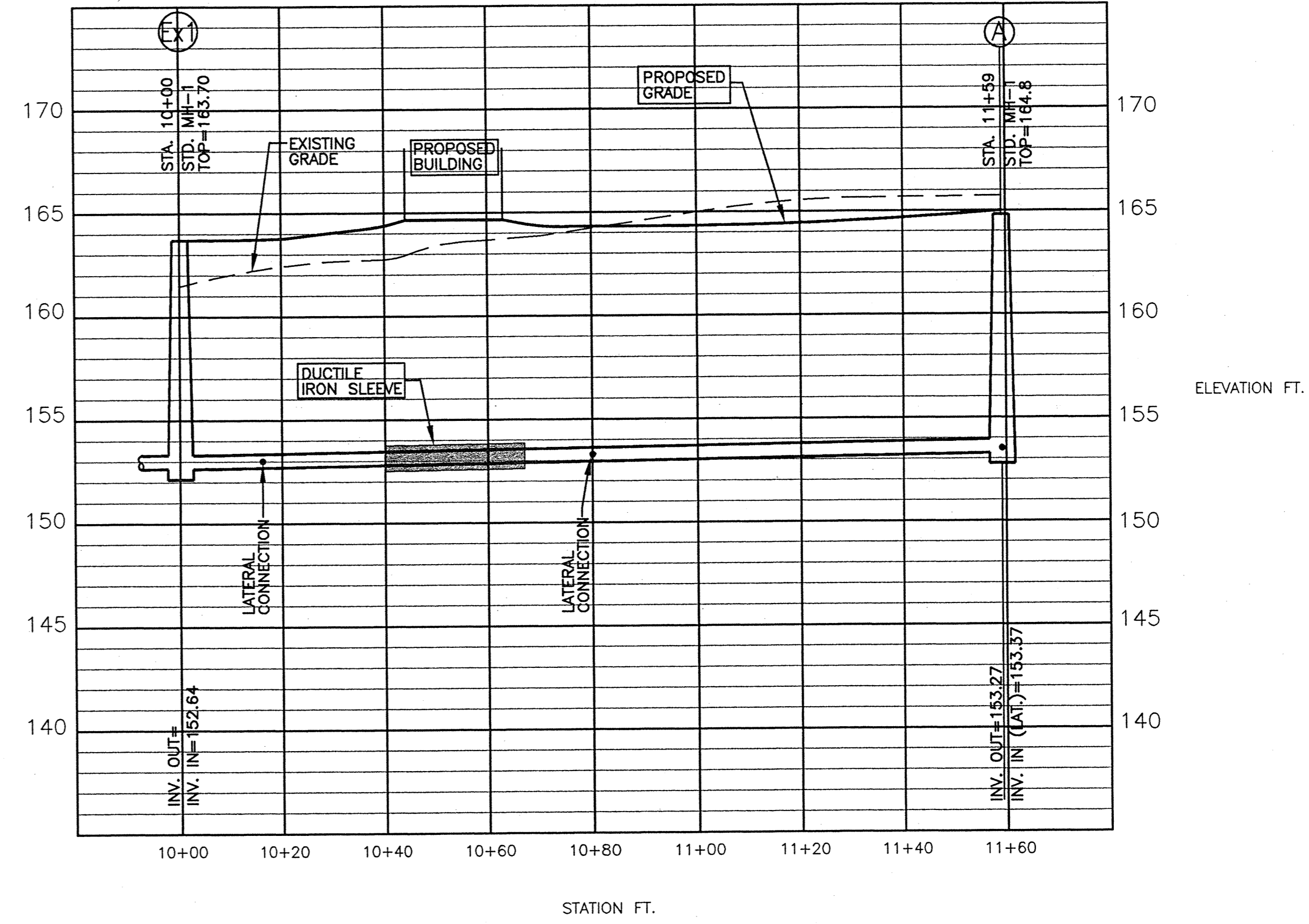
**STORM SEWER PROFILES**

SCALE  
HORIZ.: 1"=20'  
VERT.: 1"=5'



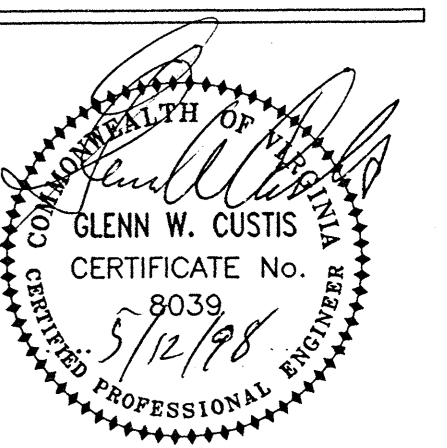
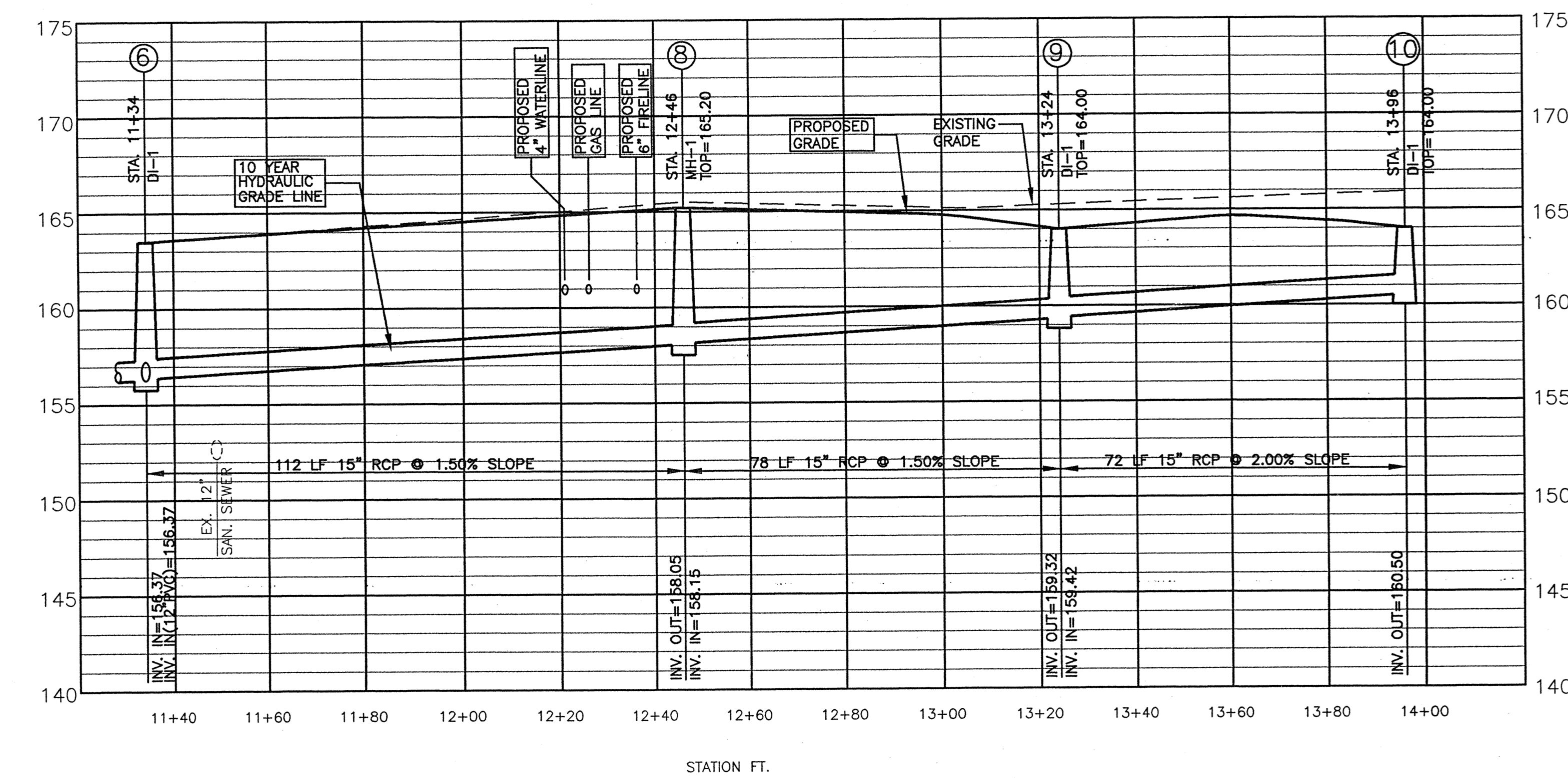
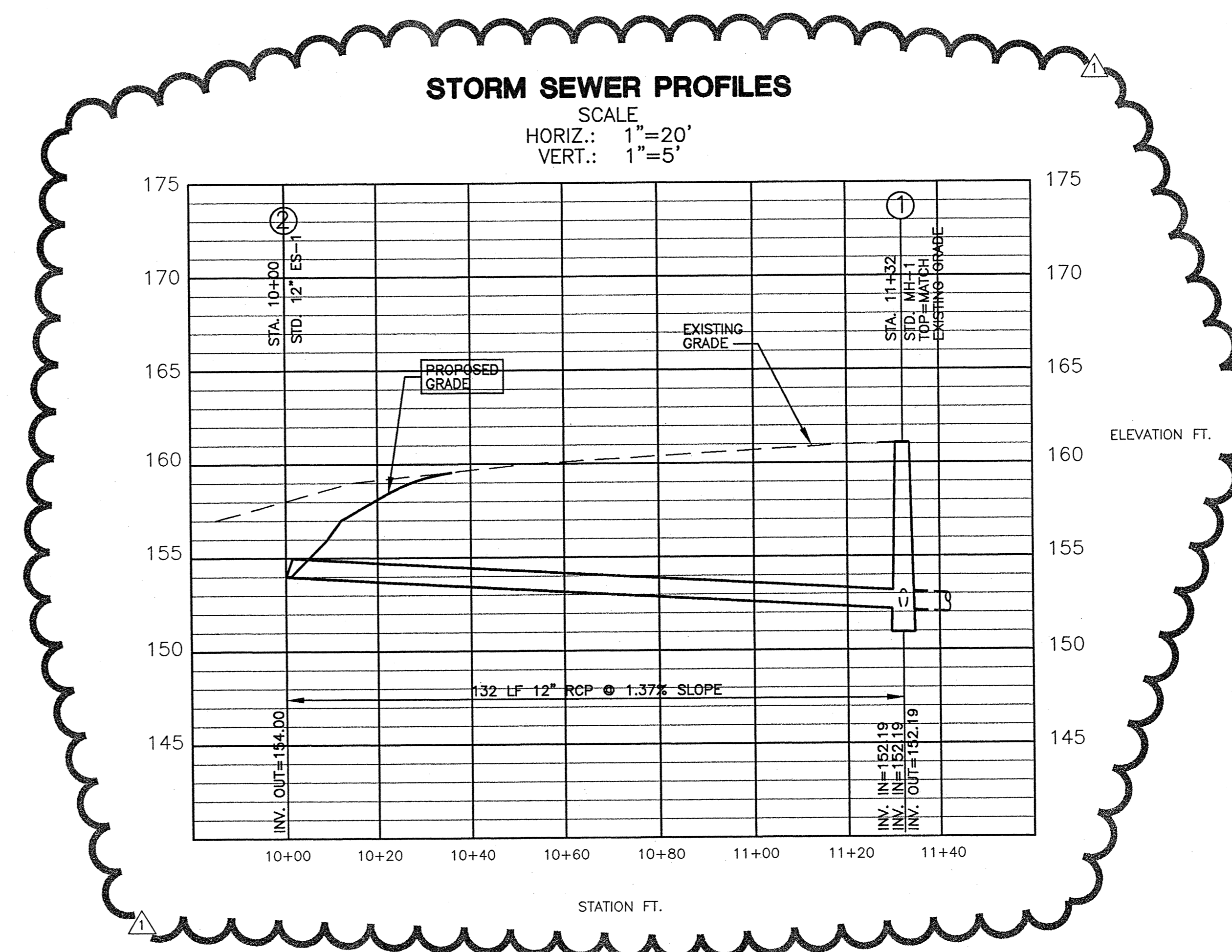
**SANITARY SEWER PROFILES**

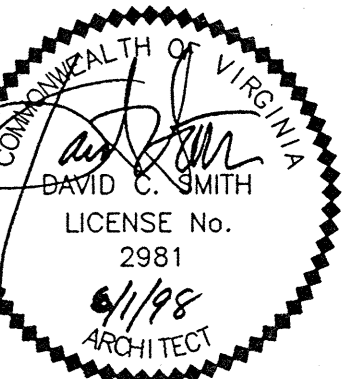
SCALE  
HORIZ.: 1"=20'  
VERT.: 1"=5'



**STORM SEWER PROFILES**

SCALE  
HORIZ.: 1"=20'  
VERT.: 1"=5'





Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

B A S K E R V I L L E S O N

DRAWING TITLE  
LANDSCAPE PLAN

DATE  
05/13/98

REVISIONS  
05/16/98 ADD T  
05/28/98 PER CITY COMMENTS

© 1997 Baskerville & Son. Material included herein is covered by copyright. Use of this work in whole or in part is forbidden without the expressed written consent of Baskerville & Son.

DRAWING NUMBER  
97187

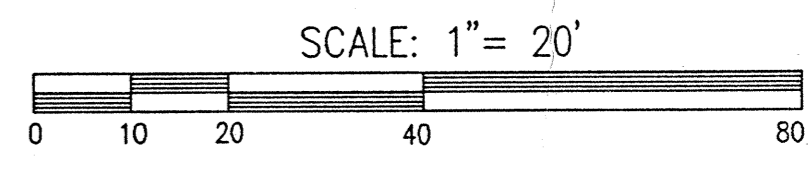
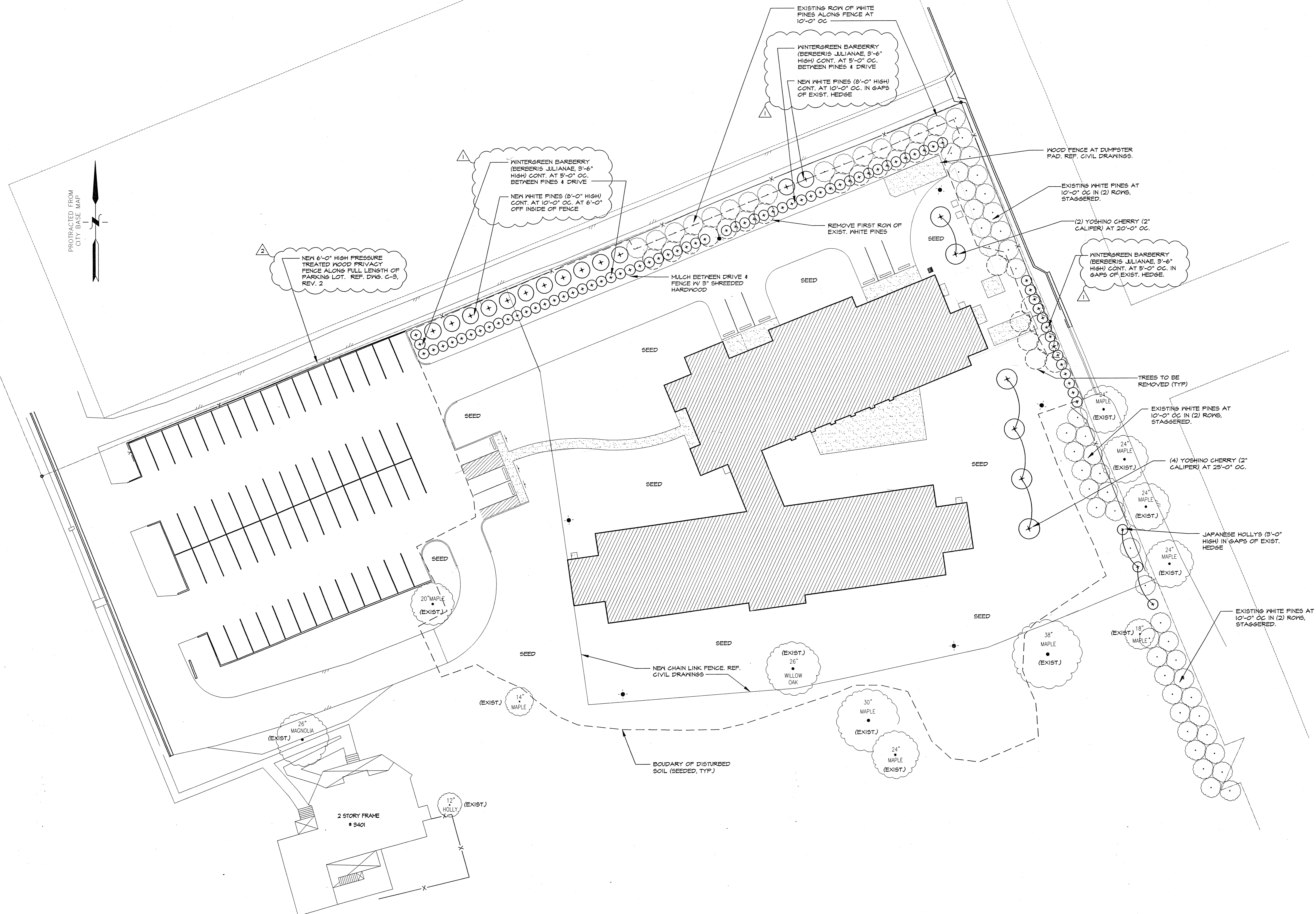
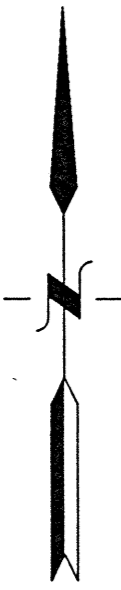
L1.0

LANDSCAPE PLAN

SCALE: 1" = 20'

J:\rubicon Inc\97187\CAD\ARCH\97187.LD.dwg 05:56:19 06/01/98 ACL1

PROTRACTED FROM CITY BASE MAP



SCALE: 1" = 20'

# RUBICON, INC.

# MEN'S RESIDENTIAL TREATMENT FACILITY

RADY STREET  
RICHMOND, VA

OWNER

RUBICON, INC.  
1300 MACTAVISH AVENUE  
RICHMOND, VA 23230  
(804) 555-5555

ARCHITECT, INTERIOR DESIGNER  
MECHANICAL AND ELECTRICAL ENGINEER

BASKERVILL & SON, P.C.  
PO BOX 400, RICHMOND, VA 23218  
114 VIRGINIA STREET, RICHMOND, VA 23219  
(804) 343-1010

STRUCTURAL  
ENGINEER

RONAYNE & TURNER ASSOCIATES, INC.  
10962-A RICHARDSON ROAD  
ASHLAND, VA 23005  
(804) 550-3807

FOODSERVICE  
CONSULTANT

WOODBURN & ASSOCIATES  
P.O. BOX 1350  
ANNANDALE, VA 22003  
(703) 658-1350

CIVIL  
ENGINEER

DRAPER ADEN ASSOCIATES  
4136 INNSLAKE DRIVE  
GLEN ALLEN, VA 23060  
(804) 270-7675

GENERAL  
CONTRACTOR

KJELLSTROM & LEE  
5516 FALLMOUTH STREET  
RICHMOND, VA 23230  
(804) 270-7675

OWNER  
RUBICON, INC.

COMMISSION  
MEN'S RESIDENTIAL TREATMENT FACILITY

RADY STREET RICHMOND, VA

ARCHITECT  
BRUCE W. TYLER  
LICENSE No. 4580

## ABBREVIATIONS

AFF	Above Finished Floor	CONT.	Continuous Control Joint	FF	Finish Floor Finish	L	Length	E	Plate or Property	ST.	Steel
AD	Access Door	C.J.	Control Joint	FA	Fire Alarm	LAM.	Laminated Glass	FRD.	Flashed	STOR.	Storage
AC	Acoustical	CG	Corner Guard	FE	Fire Extinguisher Cabinet	LAV.	Lavatory	FRV.	Flashed Roof	STRUC.	Structural
ANC	Acoustical Wall Covering	CORR.	Corner	FC	Fire Hose Cabinet	LF	Long Force	FRV.	Flashed Roof	SUSP.	Suspended
ADJ.	Adjustable	CF	Cubic Foot (Feet)	FVC	Fire Valve Cabinet	LLV	Long Leg Vertical	TEL.	Telephone	SYS.	System
AIC	Air Conditioning	CY	Cubic Yard	FV	Fire Valve Cabinet	MFR.	Manufacturer	T.G.L.	Tempered Glass	TERR.	Terrazzo
ALT.	Alternate	DIFF.	Dampening	FLASH.	Treated Wood Flashing	MAS.	Masonry	THK.	Thick	THR.	Threshold
AL	Aluminum	DEMO.	Demolition	FL.	Floor	MAS.C.	Masonry Coursing	TMS	Through Wall Scupper	TID	Toilet Tissue Dispenser
AB	Anchor Bolt	D.	Depth	FLDR.	Fluorescent	MO	Masonry Opening	TTD	Toilet Tissue Dispenser	T/O	Top of
Z	Angle	DET.	Detail	FR.	Furring	MAX.	Maximum	T/C	Top of Concrete	T/C	Top of Concrete
APP.	Approximate	DET.	Detail	FR.	Furring	MECH.	Mechanical	T.M.S.	Top of Masonry	T.S.	Top of Slab
ARCH.	Architectural	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
AP	At	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
AT	At	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
BSMT.	Basement	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
BRG.	Bearing	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
BM	Bench Mark	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
BLK.	Block(s)	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
BOT.	Bottom	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
BO	Bottom of	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
BC	Brick Courses (ng)	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
BLDG.	Building	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
BLDG.P.	Building Paper	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
BR	Build Up Roofing	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CAR	Carpet	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CI	Cast in Place	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CB	Cast Iron	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CB	Catch Basin	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CLB.	Cladding	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CL	Centerline	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CT	Centimeter	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CT	Ceramic Tile	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CO	Channel	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CLR.	Clear Out	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CLG.	Clear Glass	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
C.M.S.L.	Close	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
COL.	Column	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
COMPO.	Composition	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CONC.	Concrete	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CMU	Concrete Masonry Unit	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CONC.	Concrete	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel
CMU	Concrete Masonry Unit	DET.	Detail	FR.	Furring	MENB.	Membrane	T.S.T.	Top of Steel	T.S.T.	Top of Steel

## GENERAL NOTES

- VERIFY ALL EXISTING CONDITIONS, REFERENCE ARTICLE 3 OF THE GENERAL CONDITIONS.
- VERTICAL DIMENSIONS ARE FROM "FLOOR LINE," WHICH IS TOP OF CONCRETE OR FINISHED FLOORING UNLESS OTHERWISE NOTED.
- HORIZONTAL DIMENSIONS ARE FROM FACE OF STUD, MASONRY, OR CONCRETE TYPICAL. HORIZONTAL DIMENSIONS FOR RATED COLUMNS ARE FROM FACE OF WALL BOARD.
- IF DOORS ARE NOT DIMENSIONALLY LOCATED ON THE PLAN, PROVIDE A MINIMUM OF 6" FROM THE DOOR JAMB TO THE FINISHED WALL SURFACE, UNLESS FEASIBLY IMPOSSIBLE.
- WOOD BLOCKING SHALL BE PROVIDED FOR ALL WALL MOUNTED EQUIPMENT NOTED ON PLANS. BLOCKING SHALL BE 2x6 MINIMUM.

## LIST OF DRAWINGS

CIVIL	STRUCURAL
C1 NOTES / DETAILS	S10 FOUNDATION PLAN
C2 SITE PLAN	S11 SECOND FLOOR FRAMING PLAN
C3 DEMOLITION / EROSION CONTROL PLAN	S12 THIRD FLOOR FRAMING PLAN
C4 GRADING / DRAINAGE PLAN	S13 ROOF FRAMING PLAN
C5 PROFILES	S14 TRUSS LAYOUT PLAN
	S20 FOUNDATION SECTION AND DETAILS
	S21 SECTIONS AND DETAILS AT SOUTH WING
	S22 SECTIONS AND DETAILS AT NORTH WING
	S23 ROOF, FLOOR, WALL SECTIONS, AND DETAILS
	S24 BRACE DETAILS AND GENERAL NOTES
LANDSCAPE	
L10 LANDSCAPE PLAN	
ARCHITECTURAL	
A1 CODE DATA	
A21 FIRST FLOOR PLAN	
A22 SECOND FLOOR PLAN	
A23 THIRD FLOOR PLAN	
A24 ROOF PLAN	
A25 ROOM FINISH SCHEDULE	
A26 DOOR SCHEDULE / DETAILS	
A27 WINDOW TYPES / DETAILS	
A3 BUILDING ELEVATIONS	
A32 BUILDING ELEVATIONS	
A35 BUILDING SECTIONS / DETAILS	
A34 BUILDING SECTIONS / DETAILS	
A41 PARTIAL PLANS	
A51 INTERIOR ELEVATIONS / CASEWORK	
A61 FIRST FLOOR REFLECTED CEILING PLAN	
A62 SECOND FLOOR REFLECTED CEILING PLAN	
A63 THIRD FLOOR REFLECTED CEILING PLAN	
A71 STAIR PLANS / DETAILS	
A72 STAIR SECTIONS / DETAILS	
A73 STAIR / ELEVATOR SECTIONS / DETAILS	
A81 EXTERIOR DETAILS	
A82 ROOF DETAILS	
A41 PARTITION TYPES	
A42 INTERIOR DETAILS	
FOODSERVICE	
K1 EQUIPMENT PLAN / LEGEND	
K1E ELEC ROUGH-INS	
K1P PLUMB / GAS / MECH ROUGH-INS	
K1S SPECIAL CONDITIONS	
K2 DETAILS	
K3 DETAILS	
K4 DETAILS	

## CODE DATA

REFERENCE SHEET A11

## VICINITY MAP

REFERENCE SHEET C1

## WALL INDICATIONS

- CONCRETE MASONRY WALL
- BRICK MASONRY VENEER
- METAL STUD WALL

## SYMBOLS

- BUILDING FLOOR + NORTH OR SOUTH + ROOM NUMBER
- ROOM NUMBER
- ROOM NUMBER + DOOR LETTER
- DOOR NUMBER
- WINDOW TYPE
- PLAN NOTE
- COLUMN LINE
- WORK OR DATUM POINT
- REVISION
- PARTITION TYPE
- ELEVATION NUMBER
- ELEVATION
- DRAWING WHERE SHOWN
- SECTION NUMBER
- SECTION
- DRAWING WHERE SHOWN
- DETAIL NUMBER
- DETAIL
- DRAWING WHERE SHOWN

## MATERIAL INDICATIONS

- CONCRETE MASONRY (CMU)
- CONCRETE
- PRECAST CONCRETE
- BRICK
- STONE
- STEEL
- ALUMINUM
- POROUS FILL
- SOIL
- RIGID INSULATION
- BATT INSULATION
- SOUND ATTENUATION BATTS
- GYPSUM DRYWALL
- PLASTER OR SAND
- PLYWOOD
- FRAMING LUMBER
- FINISH WOOD
- CERAMIC TILE
- ACOUSTICAL PANELS
- LIGHTWEIGHT CONC. TOPPING

BASKERVILL & SON

Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

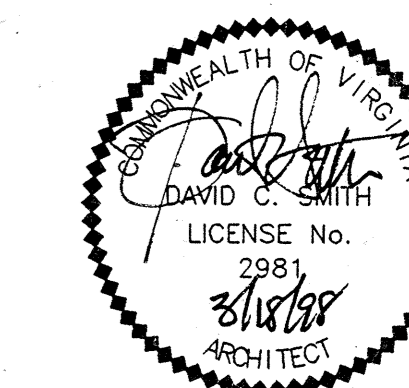
DRAWING TITLE  
**COVER SHEET**

DATE  
03/18/98

REVISIONS  
1. 03/18/98

DRAWING NUMBER  
97187





B A S K E T T L L S O N

**SPRAY-ON FIREPROOFING SCHEDULE @ NORTH WING**

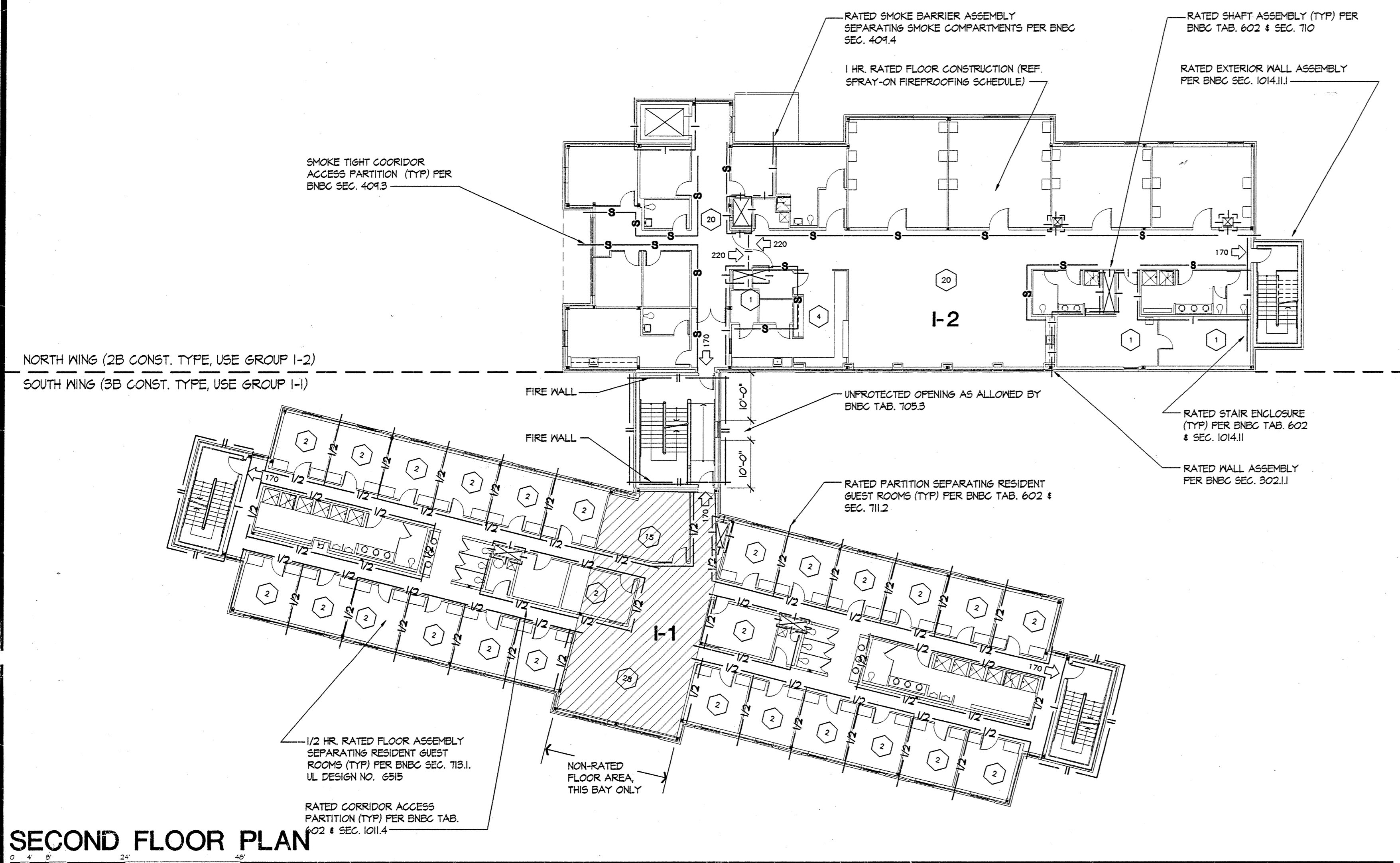
STRUCTURE	UL DESIGN	RATING
2ND FLOOR	D780	1 HR.
PENTHOUSE FLOOR	D780	1 HR.
ROOF	F701	1 HR.
ELEVATOR ROOF	D750	1 HR.

NOTE: REF. UL FOR REQUIRED THICKNESS (& ALLOWED ADJUSTMENT) OF SPRAYED PROTECTION MATERIAL.

**LEGEND**

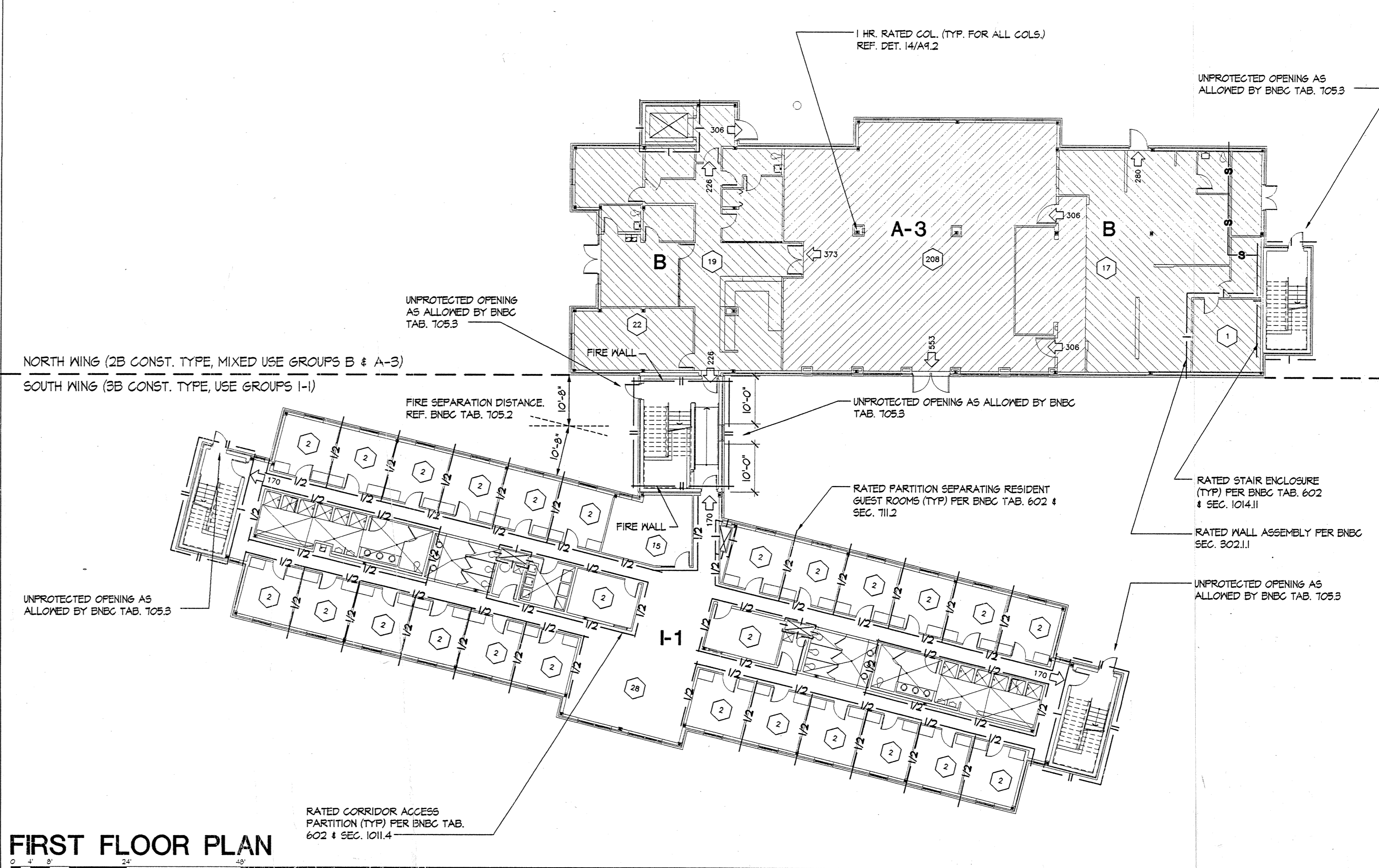
- S — SMOKE PARTITION
- 1/2 — 1/2 HR. RATED FIRE SEPARATION ASSEMBLY
- I — 1 HR. RATED FIRE SEPARATION ASSEMBLY
- II — 2 HR. RATED FIRE WALL
- 170 — EXIT (WITH EGRESS CAPACITY)
- 21 — ROOM OCCUPANCY

NORTH WING IS MIXED, NON-SEPARATED USE GROUPS PER ENBC SEC. 503.11



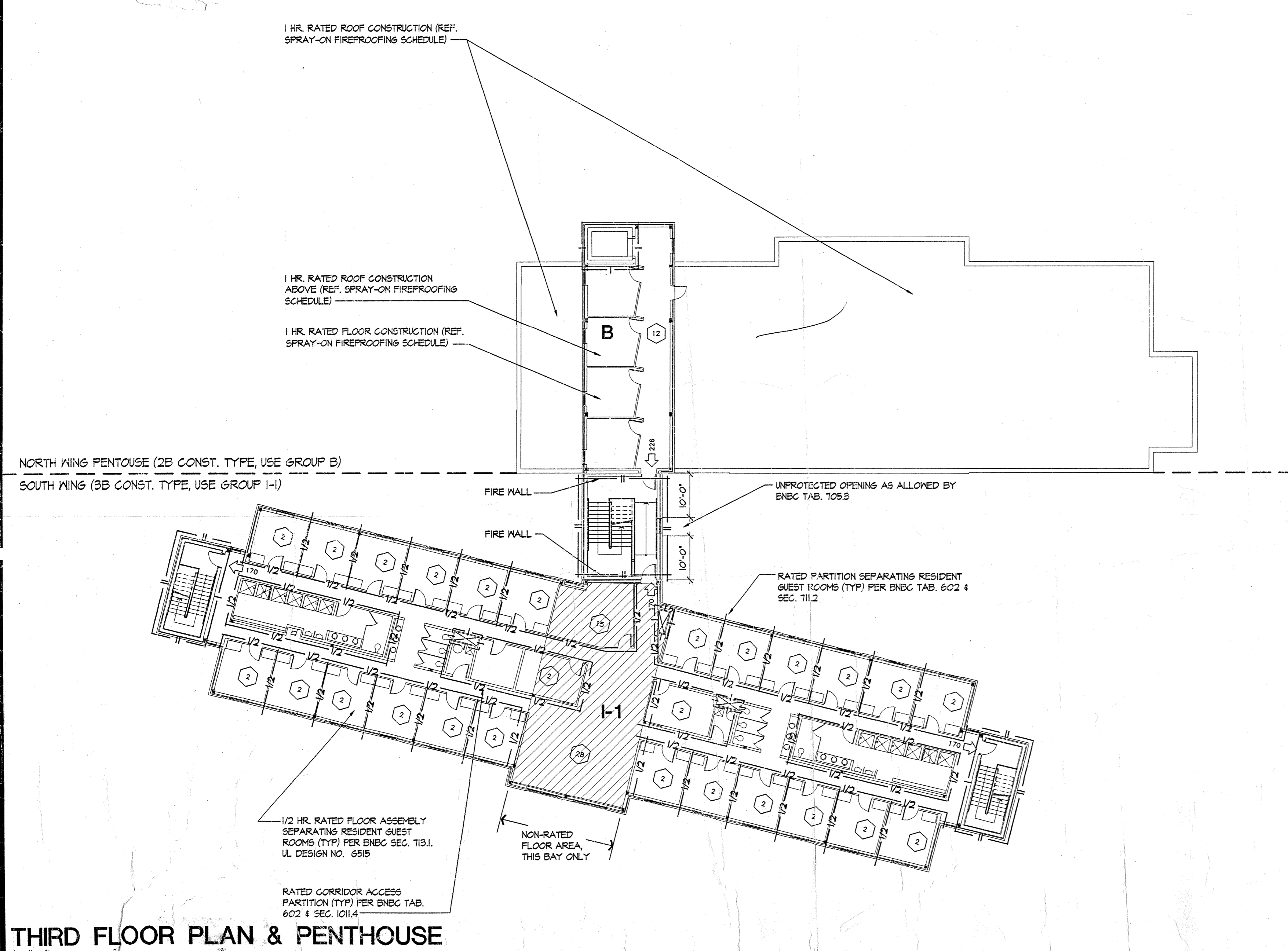
**SECOND FLOOR PLAN**

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



**FIRST FLOOR PLAN**

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



**THIRD FLOOR PLAN & PENTHOUSE**

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

**BUILDING DATA**

TYPE OF CONSTRUCTION	I-1 (2B)	I-2 (2B)	A-3 (2B)	B (2B)
<b>NORTH WING</b>	BASE BUILDING IS TYPE 2B CONSTRUCTION.			
<b>SOUTH WING AND CONNECTING STAIRWELL</b>	BASE BUILDING IS TYPE 3B CONSTRUCTION.			
<b>ACTUAL AREA (IN SF) &amp; USE GROUPS</b>	I-1	I-2	A-3	B
<b>NORTH WING</b>				
1ST FLOOR GENERAL ASSEMBLY		3,251		4,291
2ND FLOOR STAFF AREA				1,919
<b>TOTAL FIRST FLOOR</b>		3,251	4,291	7,542
<b>2ND FLOOR DETOX AREA</b>		5,625		
<b>TOTAL SECOND FLOOR</b>		5,625		7,542
<b>TOTAL PENTHOUSE</b>			1,185	1,185
<b>TOTAL AREA - NORTH WING</b>				16,269
<b>SOUTH WING &amp; CONNECTING STAIRWELL</b>				
1ST FLOOR RESIDENT AREA	8,857			
2ND FLOOR RESIDENT AREA	8,857			
3RD FLOOR RESIDENT AREA	8,857			
<b>TOTAL AREA - SOUTH WING</b>	26,571			
<b>TOTAL BUILDINGS AREA</b>				42,840

**AREA LIMITATION (IN SF) - NORTH WING**

	I-1	I-2	A-3	B
AREA LIMITATION (ENBC TAB. 503)	N/A	11,250	19,125	22,500
AUTOMATIC SPRINKLER SYSTEM INCREASE (ENBC SECT 506.3) 100% INCREASE	N/A	11,250	19,125	22,500
STREET FRONTAGE INCREASE (ENBC SECT 506.2) 50% STREET FRONTAGE = 50% INCREASE	N/A	5,625	6,562	11,250
<b>TOTAL</b>	N/A	28,125	32,012	56,250

**AREA LIMITATION (IN SF) - SOUTH WING**

	I-1	I-2	A-3	B
AREA LIMITATION (ENBC TABLE 506.4)	8,400	N/A	N/A	N/A
AUTOMATIC SPRINKLER SYSTEM INCREASE (ENBC SECT 506.3) 100% INCREASE	8,400	N/A	N/A	N/A
STREET FRONTAGE INCREASE (ENBC SECT 506.2) 25% STREET FRONTAGE = 0% INCREASE	0	N/A	N/A	N/A
MULTISTORY AREA LIMITATION (ENBC TABLE 506.4)	-1,680	N/A	N/A	N/A
<b>TOTAL</b>	15,120	N/A	N/A	N/A

THE NORTH WING SHALL BE A MIXED USE GROUP WITH NON-SEPARATED USE GROUPS PER ENBC SECT 515.0.

**HEIGHT LIMITATION CALCULATION BASED ON USE GROUP & CONSTRUCTION TYPE**

	I-1 (2B)	I-2 (2B)	A-3 (2B)	B (2B)
<b>NORTH WING</b>				
HEIGHT LIMITATION (ENBC TABLE 503)	N/A	2 ST. 50'	3 ST. 40'	5 ST. 65'
AUTOMATIC SPRINKLER SYSTEM INCREASE (ENBC SECT 504.2)	N/A	1 ST. 20'	1 ST. 20'	1 ST. 20'
<b>TOTAL HEIGHT LIMIT</b>	N/A	3 ST. 50'	4 ST. 60'	6 ST. 85'
ACTUAL BUILDING HEIGHT = 33'-4" < LIMIT OK				
ACTUAL NUMBER OF STORIES = 2				
<b>SOUTH WING</b>				
HEIGHT LIMITATION (ENBC TABLE 503)	3 ST. 40'	N/A	N/A	N/A
AUTOMATIC SPRINKLER SYSTEM * INCREASE (ENBC SECT 504.2)	1 ST. 20'	N/A	N/A	N/A
<b>TOTAL HEIGHT LIMIT</b>	4 ST. 60'	N/A	N/A	N/A
ACTUAL BUILDING HEIGHT = 44'-0" < LIMIT OK				
ACTUAL NUMBER OF STORIES = 3				
* ENTIRE BUILDING, INCLUDING ATTIC, IS SPRINKLED				

**APPLICABLE CODES AND JURISDICTIONS INCLUDE:**

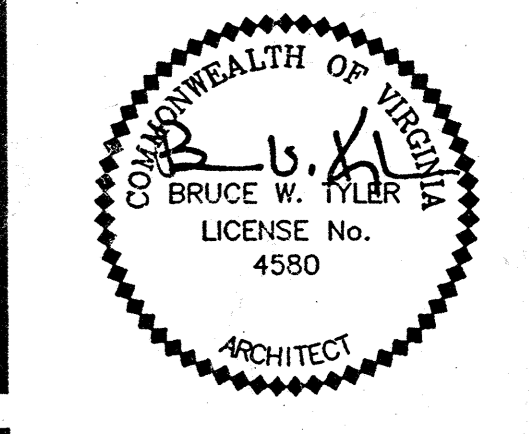
- VIRGINIA UNIFORM STATEWIDE BUILDING CODE (USBC) 1996
- BOCA NATIONAL BUILDING CODE (ENBC), 1994
- CITY OF RICHMOND ORDINANCES

**EXIT REQUIREMENTS**

- I-1 USE GROUP (ENBC TABLE 1006.5) MAXIMUM EXIT DISTANCE IS 250 FEET IF BUILDING IS EQUIPPED WITH A SPRINKLER SYSTEM.
- I-2 USE GROUP (ENBC TABLE 1006.5) MAXIMUM EXIT DISTANCE IS 200 FEET IF BUILDING IS EQUIPPED WITH A SPRINKLER SYSTEM.
- A-3 USE GROUP (ENBC TABLE 1006.5) MAXIMUM EXIT DISTANCE IS 250 FEET IF BUILDING IS EQUIPPED WITH A SPRINKLER SYSTEM.
- B USE GROUP (ENBC TABLE 1006.5) MAXIMUM EXIT DISTANCE IS 250 FEET IF BUILDING IS EQUIPPED WITH A SPRINKLER SYSTEM.

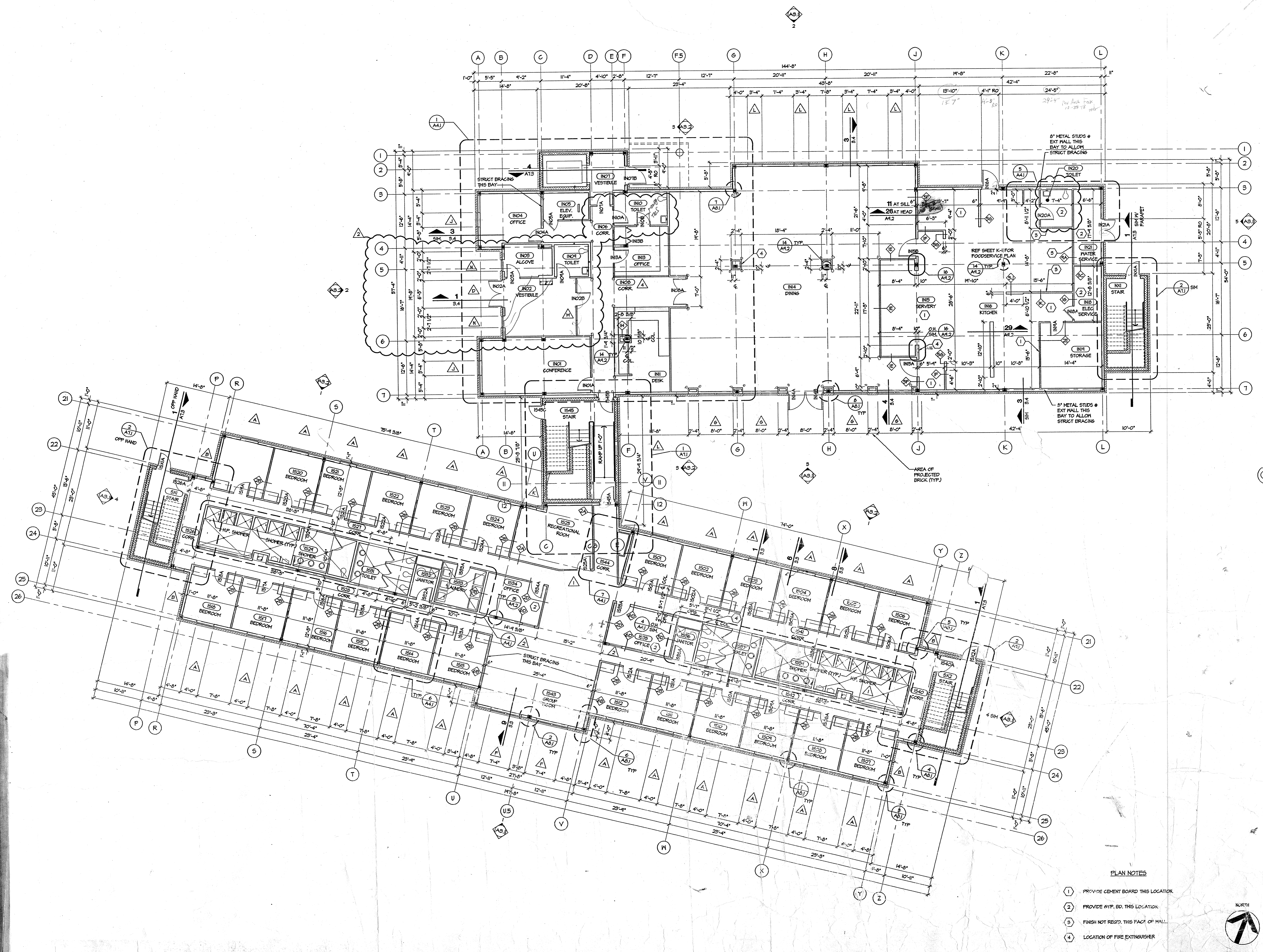
**ROOM ACCESSIBILITY & ADA COMPLIANCE NOTES:**

- STAFF AREA: STAFF AREA SHALL BE ACCESSIBLE AND IN COMPLIANCE WITH ADA AND CASO/ANSI 117.1-118.2.
- RESIDENT AREA (USE GROUP I-1): AT LEAST 4 PERCENT, BUT NOT LESS THAN ONE OF THE RESIDENT SLEEPING ROOMS AND THEIR BATHING AND TOILET FACILITIES SHALL BE ACCESSIBLE IN COMPLIANCE WITH ADA AND CASO/ANSI 117.1-118.2 AS ALLOWED BY ENBC SEC. 1107.3.1.
- DETOX AREA (USE GROUP I-2): AT LEAST 12 PERCENT, BUT NOT LESS THAN ONE OF THE RESIDENT SLEEPING ROOMS AND THEIR BATHING AND TOILET FACILITIES SHALL BE ACCESSIBLE IN COMPLIANCE WITH ADA AND CASO/ANSI 117.1-118.2 AS ALLOWED BY ENBC SEC. 1107.3.2.



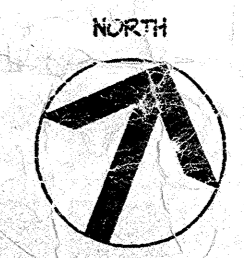
**Architects and Engineers**  
 114 Virginia Street, P.O. Box 400  
 Richmond, Virginia 23218-0400  
 (804) 343-1010

BASKERVILLE & SON



**FIRST FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

- PLAN NOTES**
- 1 PROVIDE CEMENT BOARD THIS LOCATION.
  - 2 PROVIDE GYP. BD. THIS LOCATION.
  - 3 FINISH NOT REGD. THIS FACE OF WALL.
  - 4 LOCATION OF FIRE EXTINGUISHER



DRAWING TITLE  
**FIRST FLOOR PLAN**

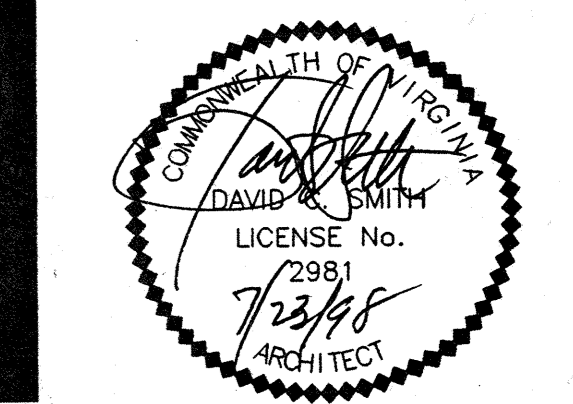
DATE  
**03/18/98**

REVISIONS  
 1 03/20/98 ADD  
 2 07/20/98 CORR

© 1997 Baskerville & Son. All rights reserved. No part of this drawing may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Baskerville & Son.  
 DRAWING NUMBER  
**97137**

COMMISSION  
**MEN'S RESIDENTIAL TREATMENT FACILITY**

**RADY STREET RICHMOND, VA**



**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

**B A S K E R V I L L E S O N**

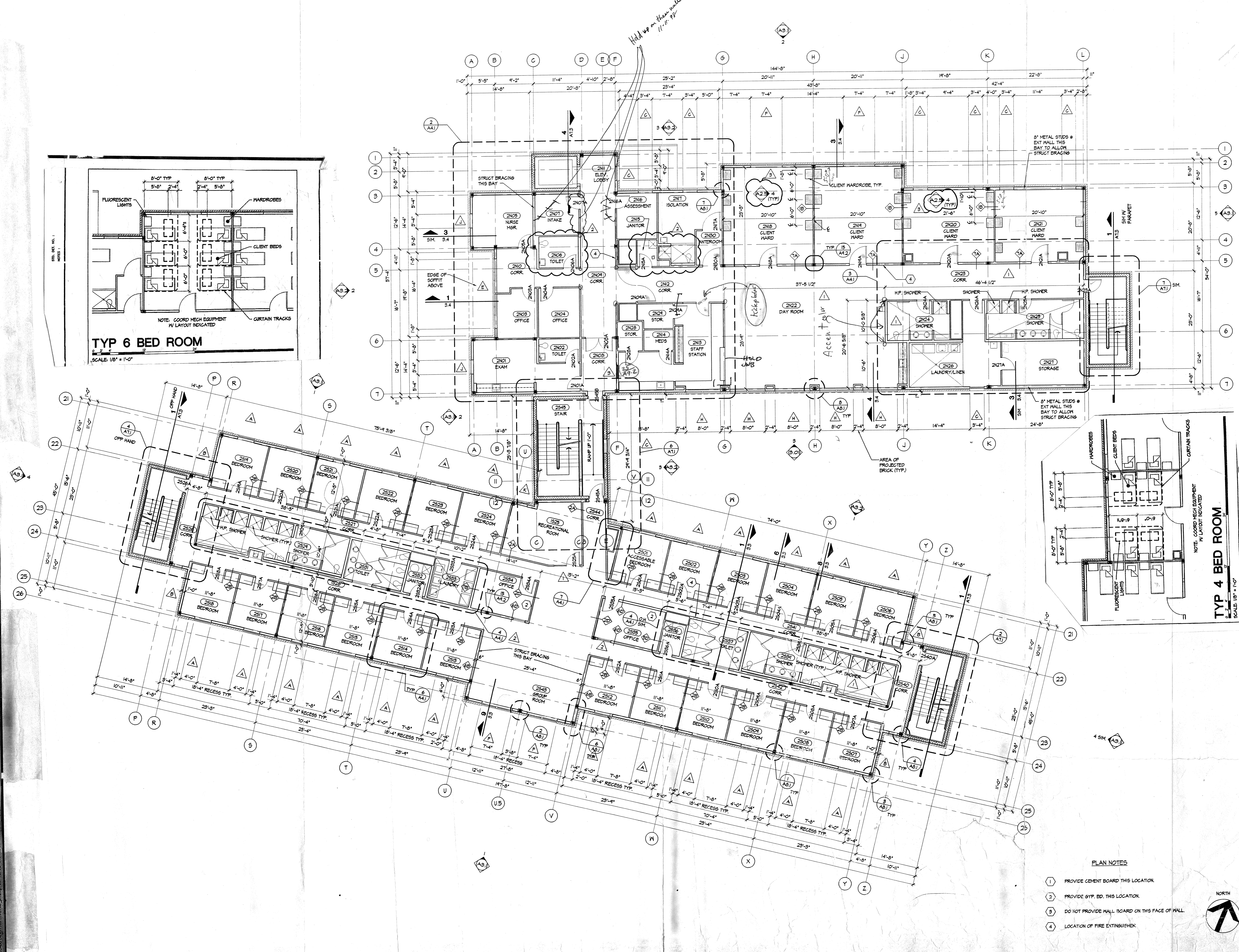
DRAWING TITLE  
**SECOND FLOOR PLAN**

DATE  
**03/18/98**

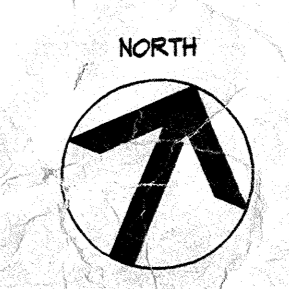
REVISIONS	
1	03/30/98
2	07/02/98 GCP
3	07/23/98

© 1997 Rubicon & Son, Inc. All rights reserved. This drawing is the property of Rubicon & Son, Inc. and shall remain the property of Rubicon & Son, Inc.  
DRAWING NUMBER  
**97187**

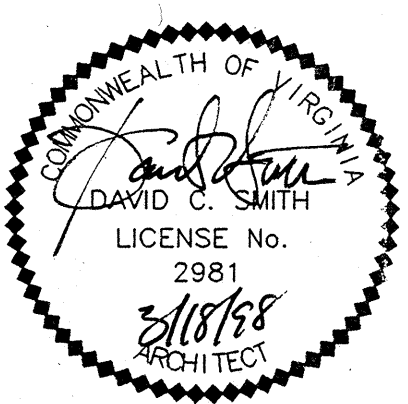
**A2.2**



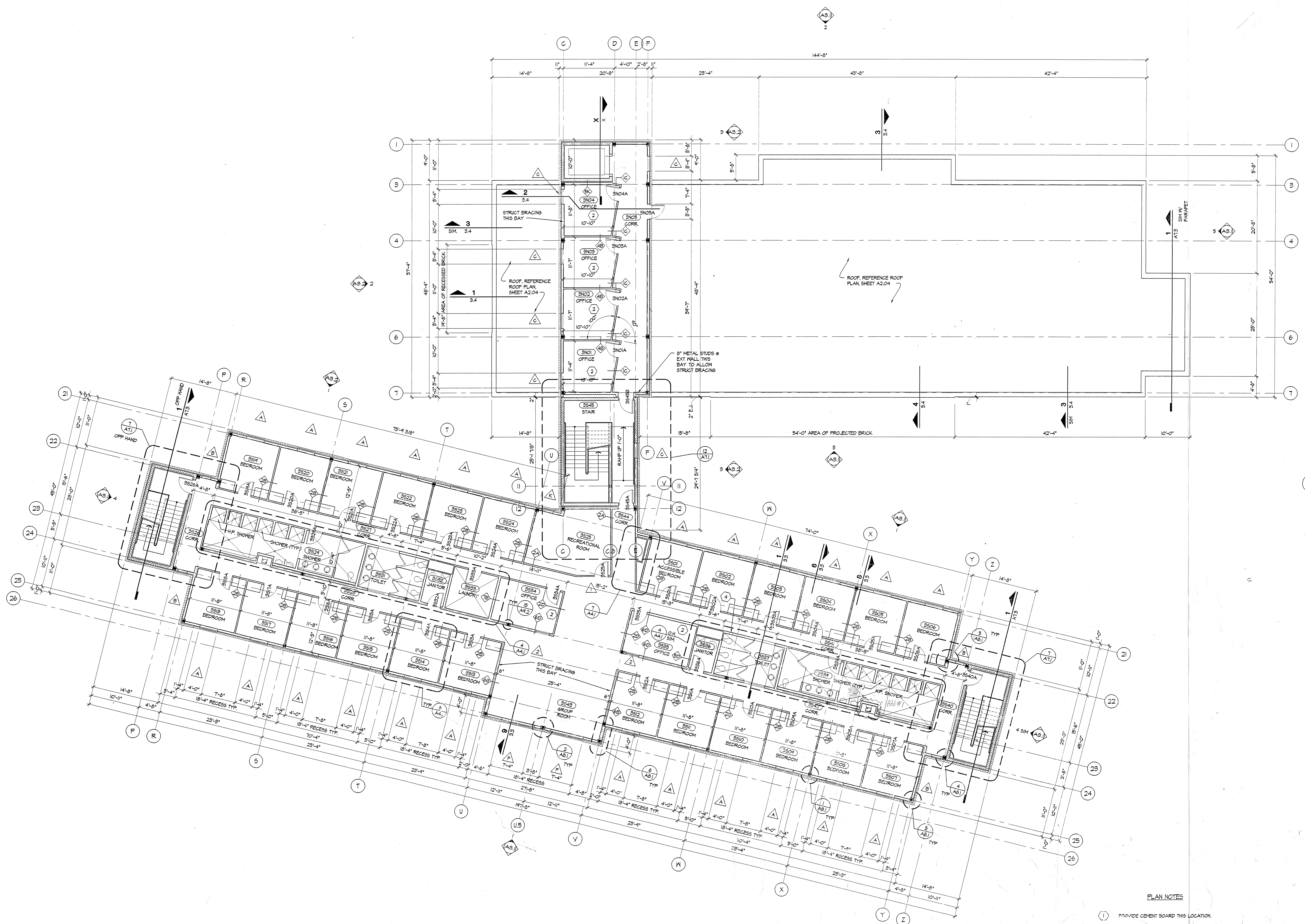
- PLAN NOTES**
- 1 PROVIDE GEMENT BOARD THIS LOCATION.
  - 2 PROVIDE GYP. BD. THIS LOCATION.
  - 3 DO NOT PROVIDE WALL BOARD ON THIS FACE OF WALL.
  - 4 LOCATION OF FIRE EXTINGUISHER.



**SECOND FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

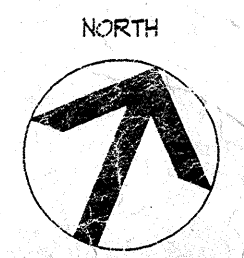


BASKERVILLE & SON



**THIRD FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

- PLAN NOTES**
- 1 PROVIDE GEMENT BOARD THIS LOCATION.
  - 2 PROVIDE 5/8" BO. THIS LOCATION.
  - 3 DO NOT PROVIDE WALL BOARD ON THIS FACE OF WALL.
  - 4 LOCATION OF FIRE EXTINGUISHER



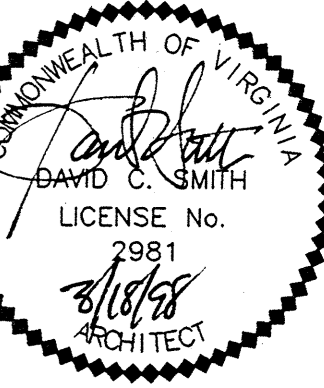
**THIRD FLOOR PLAN**

DATE  
03/18/98

REVISIONS

NO.	DESCRIPTION

DRAWING NUMBER  
97187

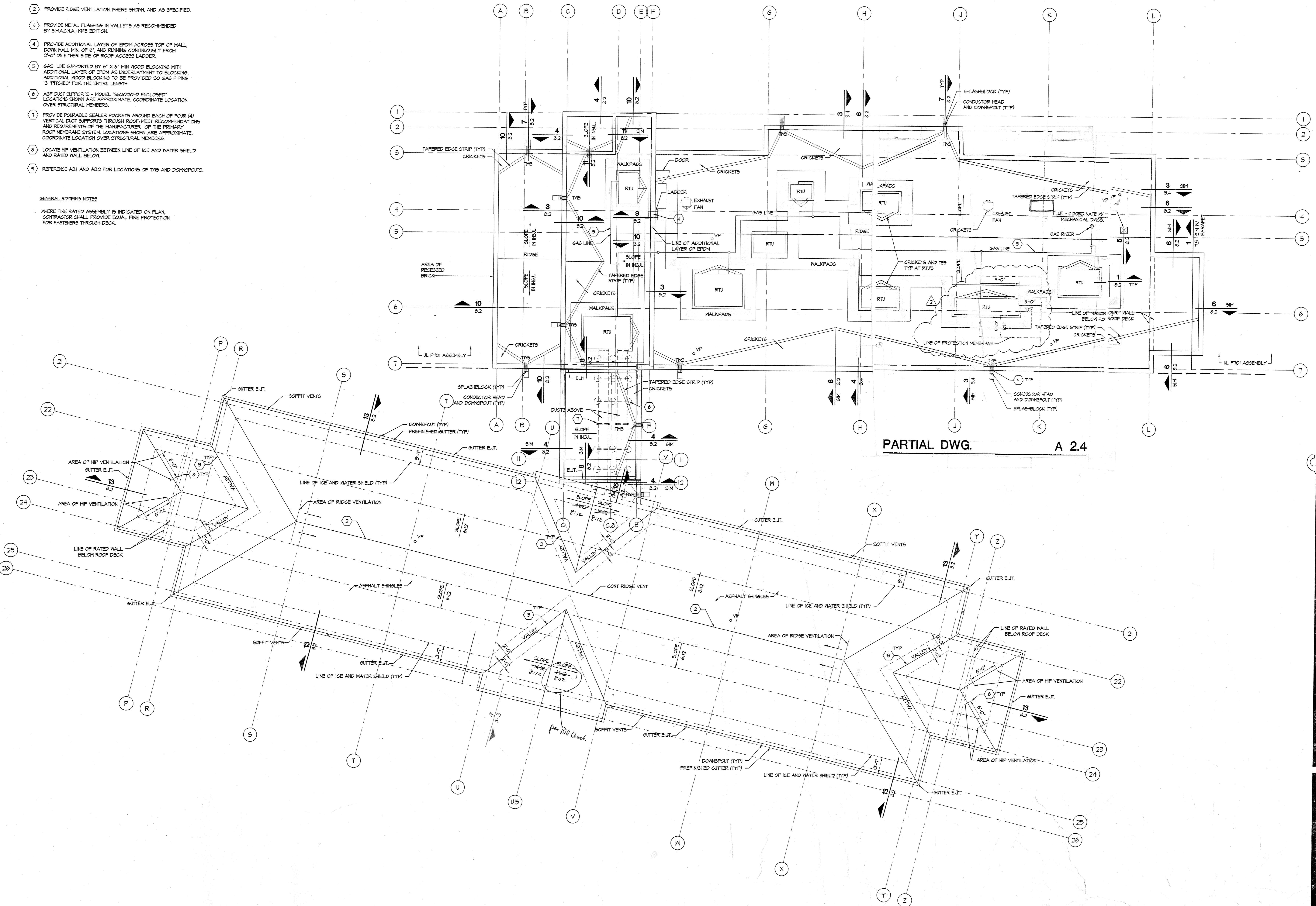


PLAN NOTES:

- 1 PROVIDE FLASH OF PIPE TO MEET RECOMMENDATIONS AND REQUIREMENTS OF THE MANUFACTURER OF THE PRIMARY ROOF MEMBRANE SYSTEM, UNLESS OTHERWISE INDICATED.
- 2 PROVIDE RIDGE VENTILATION WHERE SHOWN, AND AS SPECIFIED.
- 3 PROVIDE METAL FLASHING IN VALLEYS AS RECOMMENDED BY S.M.A.C.N.A.; 1983 EDITION.
- 4 PROVIDE ADDITIONAL LAYER OF EPDM ACROSS TOP OF WALL, DOWN WALL MIN. OF 6", AND RUNNING CONTINUOUSLY FROM 2'-0" ON EITHER SIDE OF ROOF ACCESS LADDER.
- 5 GAS LINE SUPPORTED BY 6" X 6" MIN KOOD BLOCKING WITH ADDITIONAL LAYER OF EPDM AS UNDERLAYMENT TO BLOCKING. ADDITIONAL KOOD BLOCKING TO BE PROVIDED SO GAS PIPING IS "TITCHED" FOR THE ENTIRE LENGTH.
- 6 ASP DUCT SUPPORTS - MODEL "SS2000-D ENCLOSED" LOCATIONS SHOWN ARE APPROXIMATE. COORDINATE LOCATION OVER STRUCTURAL MEMBERS.
- 7 PROVIDE POURABLE SEALER POCKETS AROUND EACH OF FOUR (4) VERTICAL DUCT SUPPORTS THROUGH ROOF. MEET RECOMMENDATIONS AND REQUIREMENTS OF THE MANUFACTURER OF THE PRIMARY ROOF MEMBRANE SYSTEM. LOCATIONS SHOWN ARE APPROXIMATE. COORDINATE LOCATION OVER STRUCTURAL MEMBERS.
- 8 LOCATE HP VENTILATION BETWEEN LINE OF ICE AND WATER SHIELD AND RATED WALL BELOW.
- 9 REFERENCE A3.1 AND A3.2 FOR LOCATIONS OF TYS AND DOWNSPOUTS.

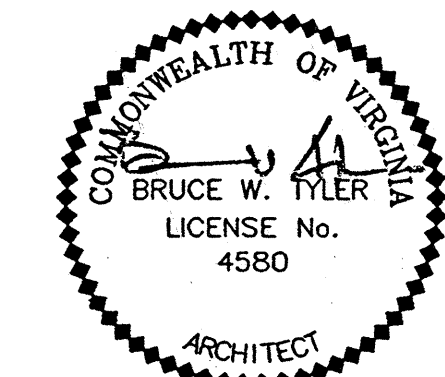
GENERAL ROOFING NOTES

1. WHERE FIRE RATED ASSEMBLY IS INDICATED ON PLAN, CONTRACTOR SHALL PROVIDE EQUAL FIRE PROTECTION FOR FASTENERS THROUGH DECK.



ROOF PLAN

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

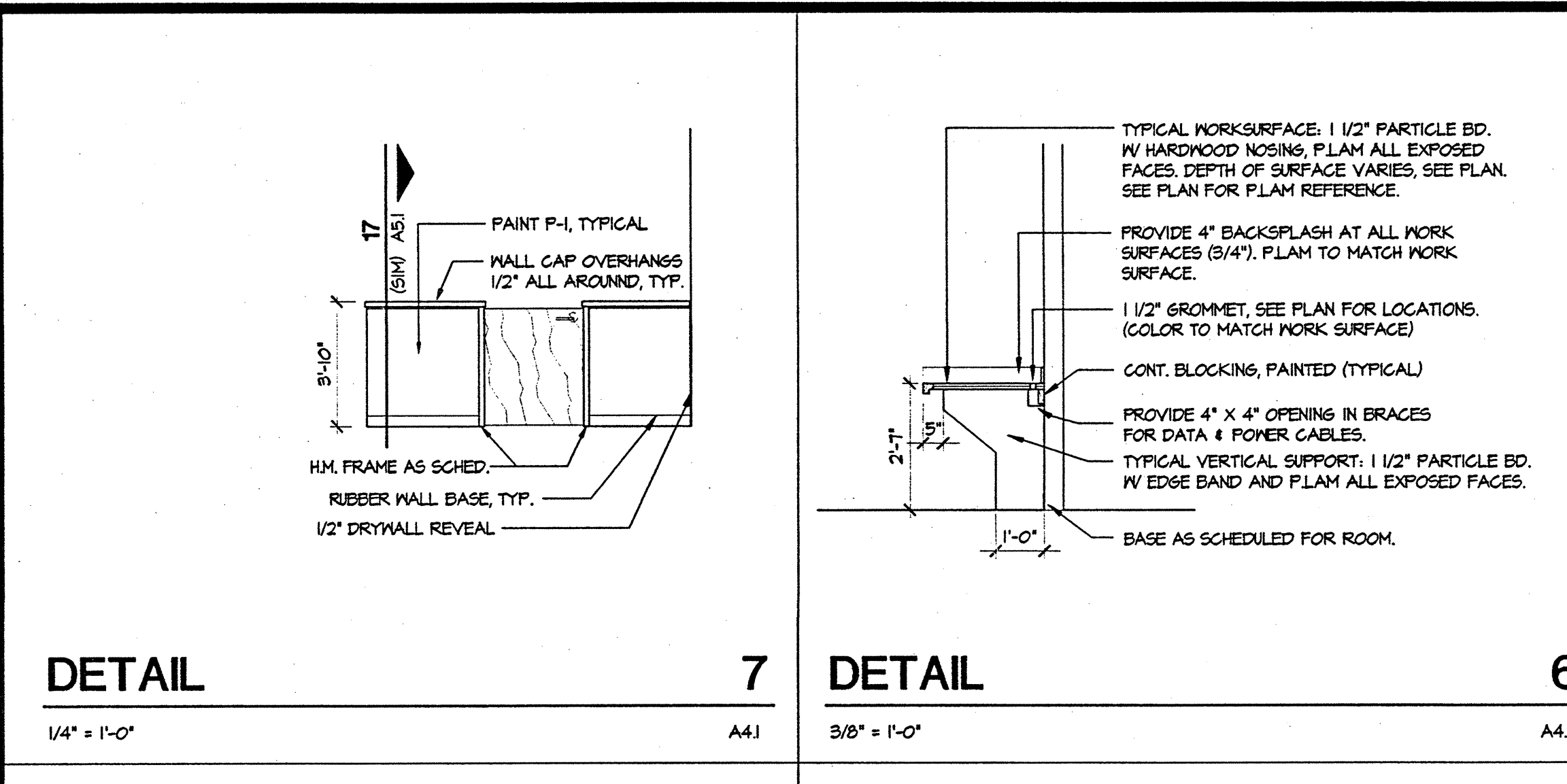


FINISH SCHEDULE table for FLOOR 2. Columns include ROOM NO., NAME, FLOOR, BASE, WAINSCOT, WALL MATERIAL, WALL FINISH, CEILING, and REMARKS. Rooms listed include 2501-24 BEDROOM, 2525 REG. ROOM, 2526 CORRIDOR, 2527 CORRIDOR, 2528 CORRIDOR, 2529 SHOWER, 2530 NOT USED, 2531 TOILET, 2532 JANITOR'S CLOSET, 2533 LAUNDRY, 2534 OFFICE, 2535 OFFICE, 2536 JANITOR'S CLOSET, 2537 TOILET, 2538 NOT USED, 2539 SHOWER, 2540 CORRIDOR, 2541 CORRIDOR, 2542 CORRIDOR, 2543 GROUP ROOM, 2544 CORRIDOR, 2545 STAIR, 2501 EXAM ROOM, 2502 TOILET, 2503 OFFICE, 2504 OFFICE, 2505 NURSE MANAGER, 2506 TOILET, 2507 INTAKE, 2508 CORRIDOR, 2509 CORRIDOR, 2510 CORRIDOR, 2511 ELEVATOR LOBBY, 2512 CORRIDOR, 2513 STAFF STATION, 2514 MEDS, 2515 JANITOR'S CLOSET, 2516 ASSESSMENT, 2517 OBSERVATION, 2518 CLIENT MARD, 2519 CLIENT MARD, 2520 CLIENT MARD, 2521 CLIENT MARD, 2522 DAY ROOM, 2523 CORRIDOR, 2524 SHOWER, 2525 SHOWER, 2526 LAUNDRY/LINEN, 2527 STORAGE, 2528 STORAGE, 2529 STORAGE, 2530 ANTEROOM, 2501-24 BEDROOM, 2525 REG. ROOM, 2526 CORRIDOR, 2527 CORRIDOR, 2528 CORRIDOR, 2529 SHOWER, 2530 NOT USED, 2531 TOILET, 2532 JANITOR'S CLOSET.

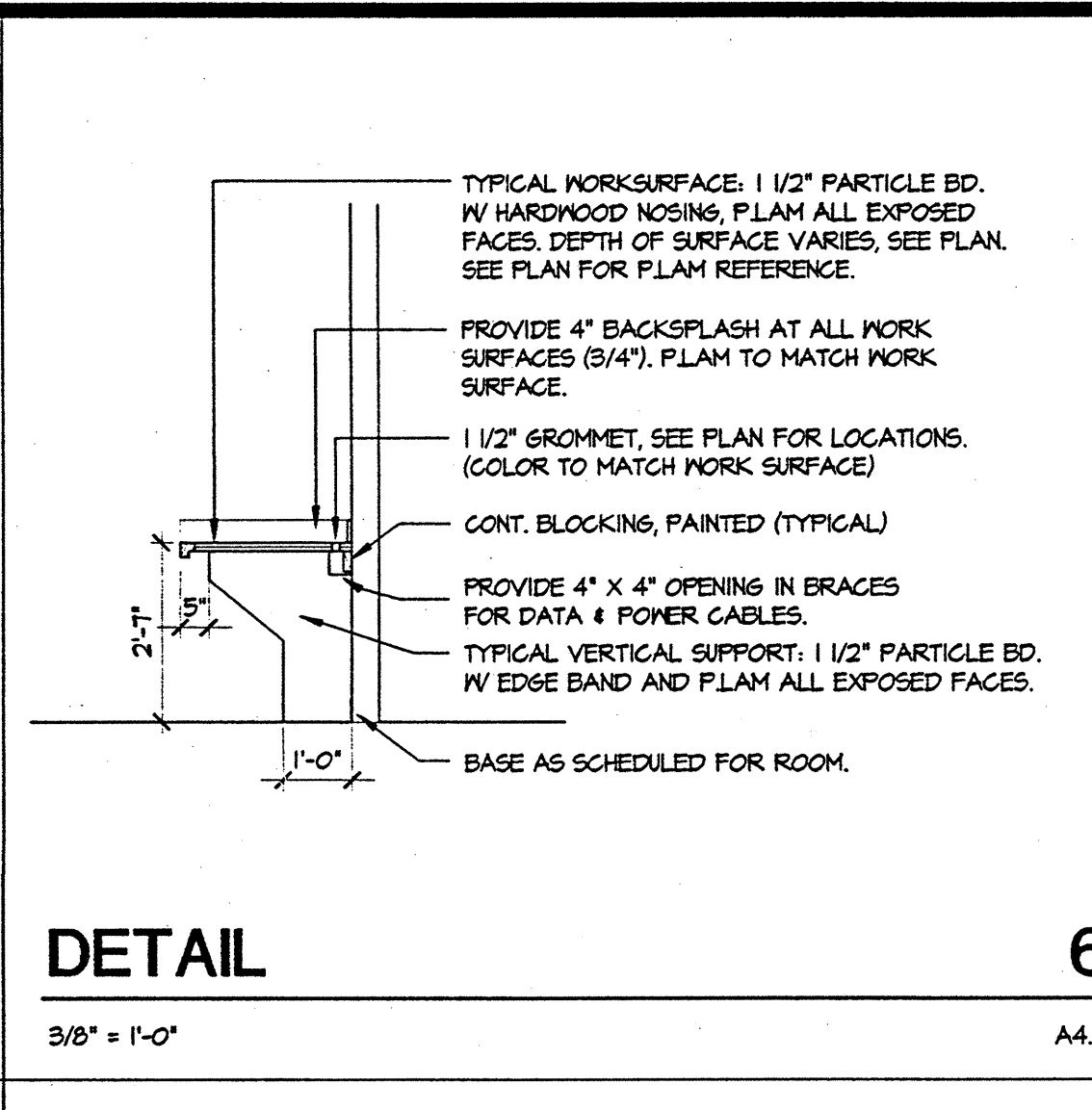
FINISH SCHEDULE table for THIRD FLOOR CONTINUED. Columns include ROOM NO., NAME, FLOOR, BASE, WAINSCOT, WALL MATERIAL, WALL FINISH, CEILING, and REMARKS. Rooms listed include 3529 LAUNDRY, 3534 OFFICE, 3535 OFFICE, 3536 JANITOR'S CLOSET, 3537 TOILET, 3538 NOT USED, 3539 SHOWER, 3540 CORRIDOR, 3541 CORRIDOR, 3542 CORRIDOR, 3543 GROUP ROOM, 3544 CORRIDOR, 3545 STAIR, 3501 OFFICE, 3502 OFFICE, 3503 OFFICE, 3504 OFFICE, 3505 CORRIDOR.

FINISH LEGEND table with columns for FINISH NO., MATERIAL, and DESCRIPTION. Includes items like VCT-1 VINYL COMPOSITION TILE, RB-1 RUBBER WALL BASE, C-1 CARPET, CT-1 CERAMIC TILE, P-1 PAINT, VNC-1 VINYL WALL COVERING, and ALT 5 PORCELAIN PAVER.

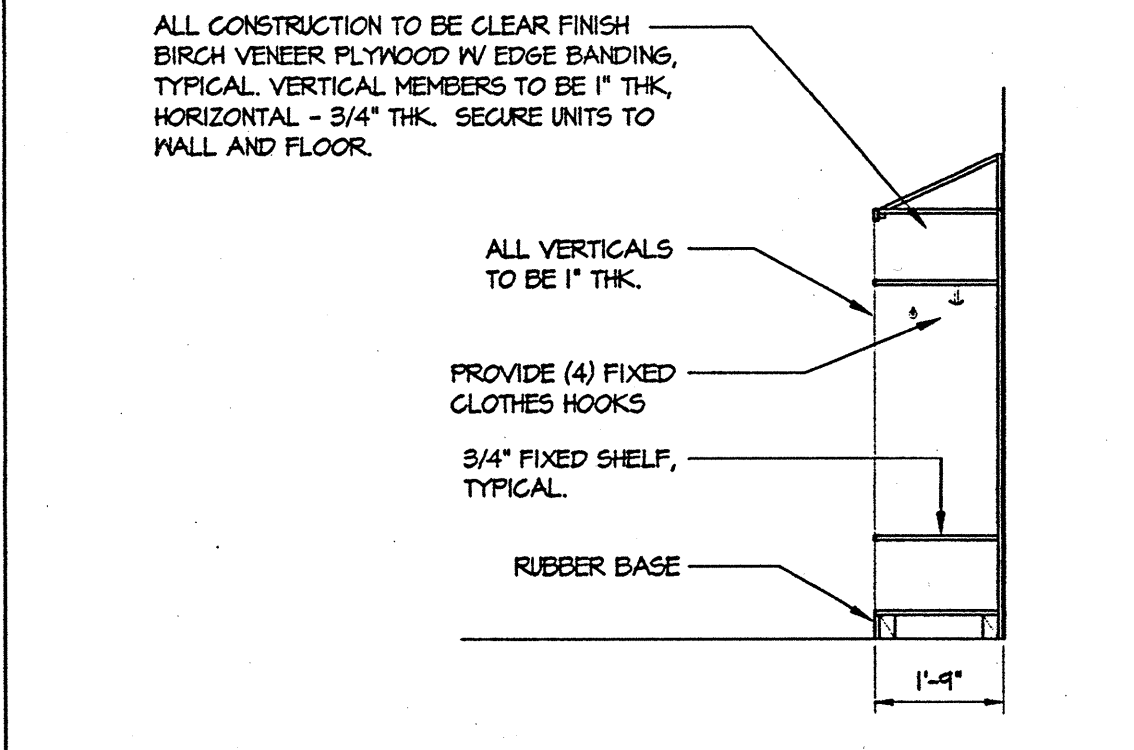
- FINISH NOTES:  
1. ROOMS 1501, 2501, 3501 TO BE ACCESSIBLE.  
2. GLS. HT. TO BE APPROX 10 FT. - REFER TO BLDG. SECTIONS.  
3. STAIR TREADS TO BE ROYAL # 150 DARK GRAY RUBBER STAIR TREAD.  
4. CEILING HT. AND / OR MATERIAL VARIES. REFER TO REFLECTED CEILING PLANS.  
5. TRANSITION STRIP BTWN CORRIDOR VGT AND CARPET TO BE BLACK. REFER TO SPECS.  
6. ALL HOLLOW METAL FRAMES TO BE PAINTED P-4.



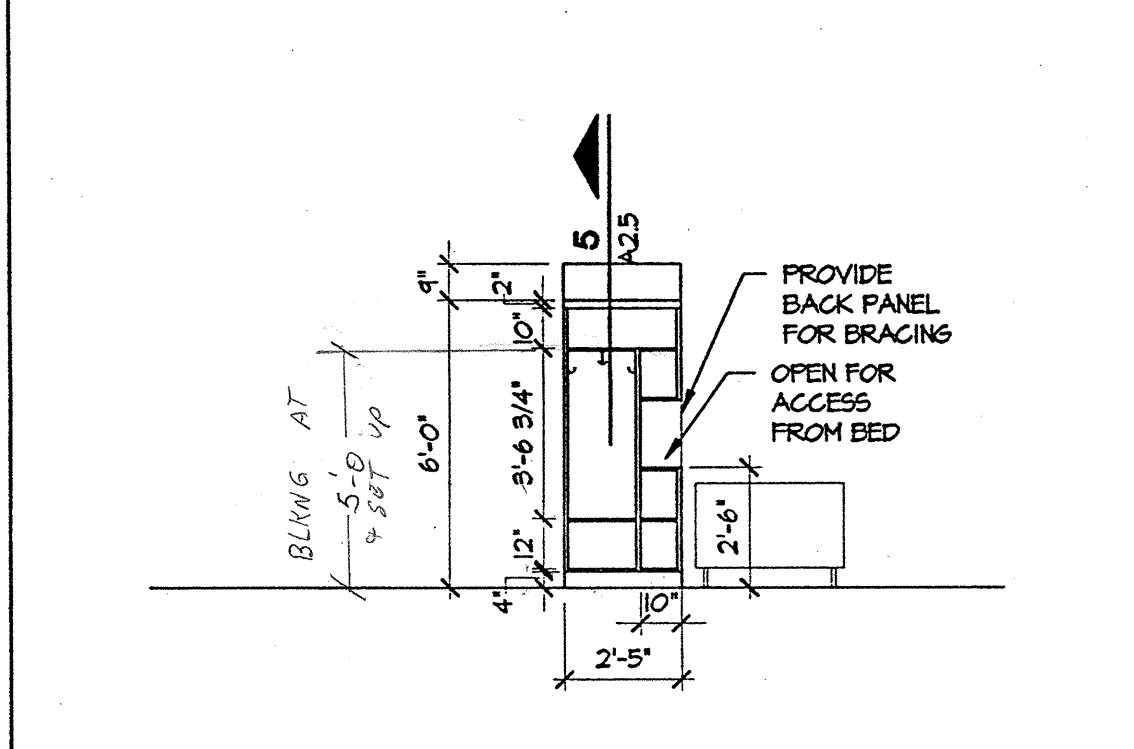
DETAIL 7  
1/4" = 1'-0"  
A41



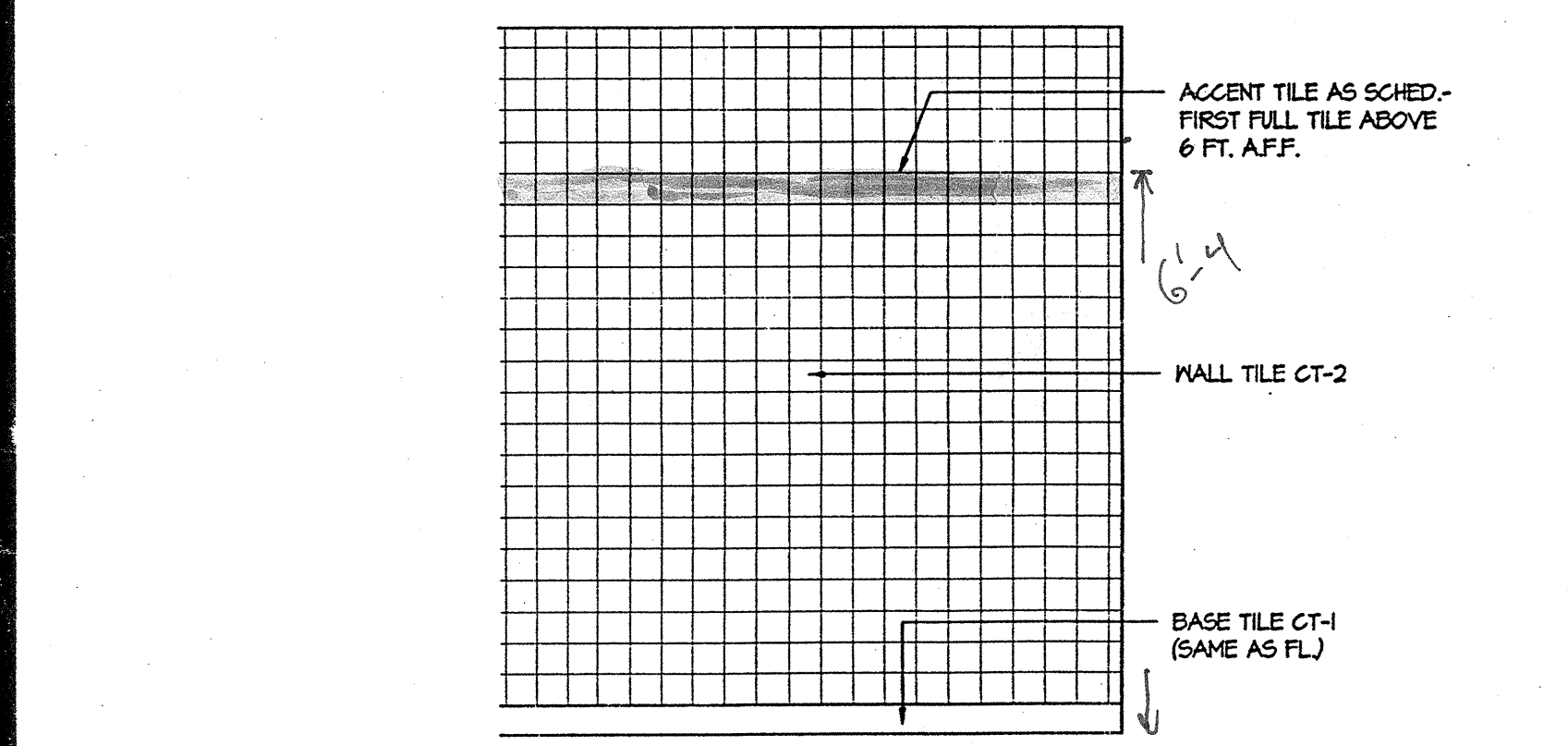
DETAIL 6  
3/8" = 1'-0"  
A41



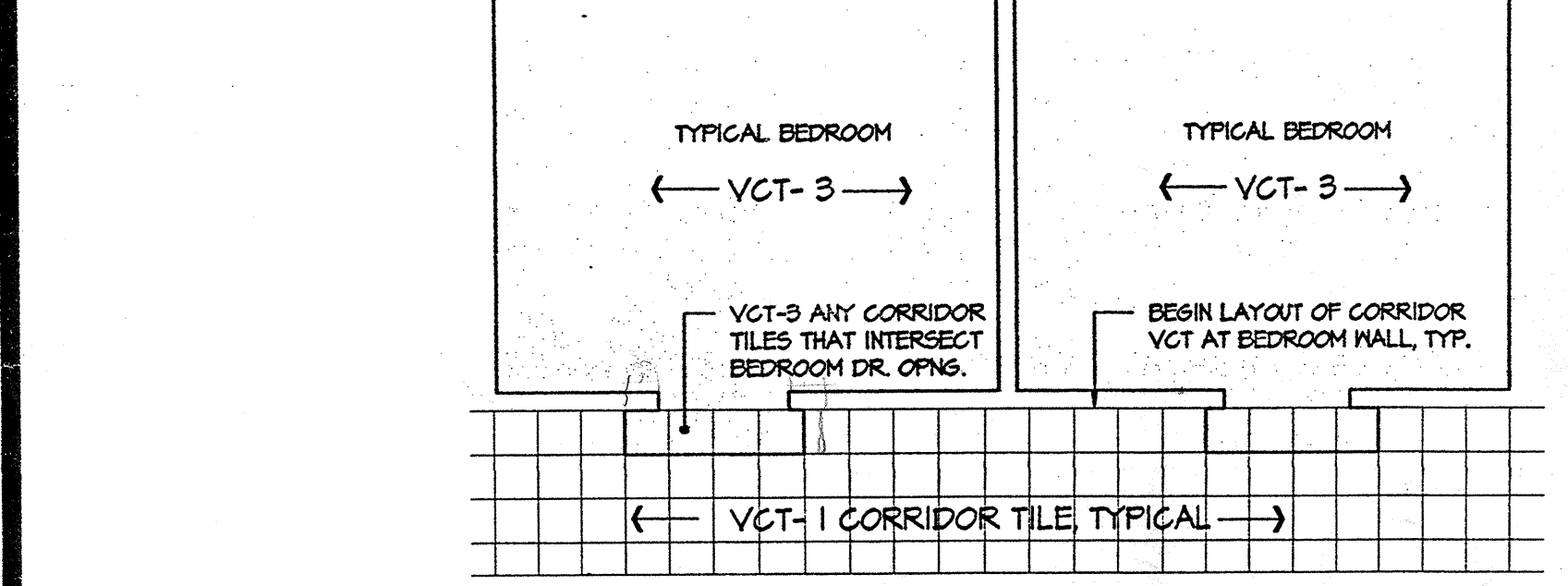
DETAIL 5  
3/8" = 1'-0"  
A2.5



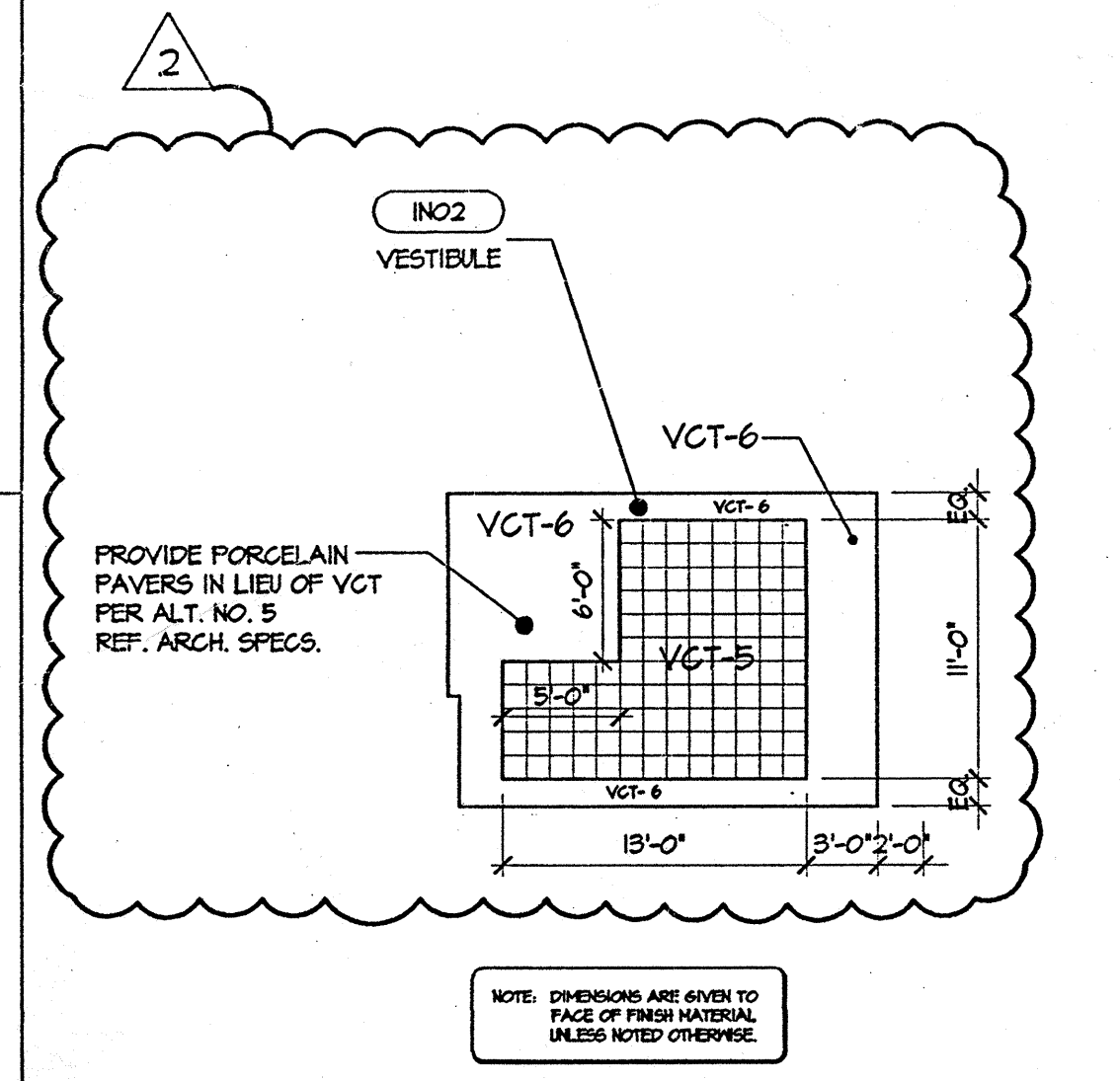
DETAIL 4  
1/4" = 1'-0"  
A2.2



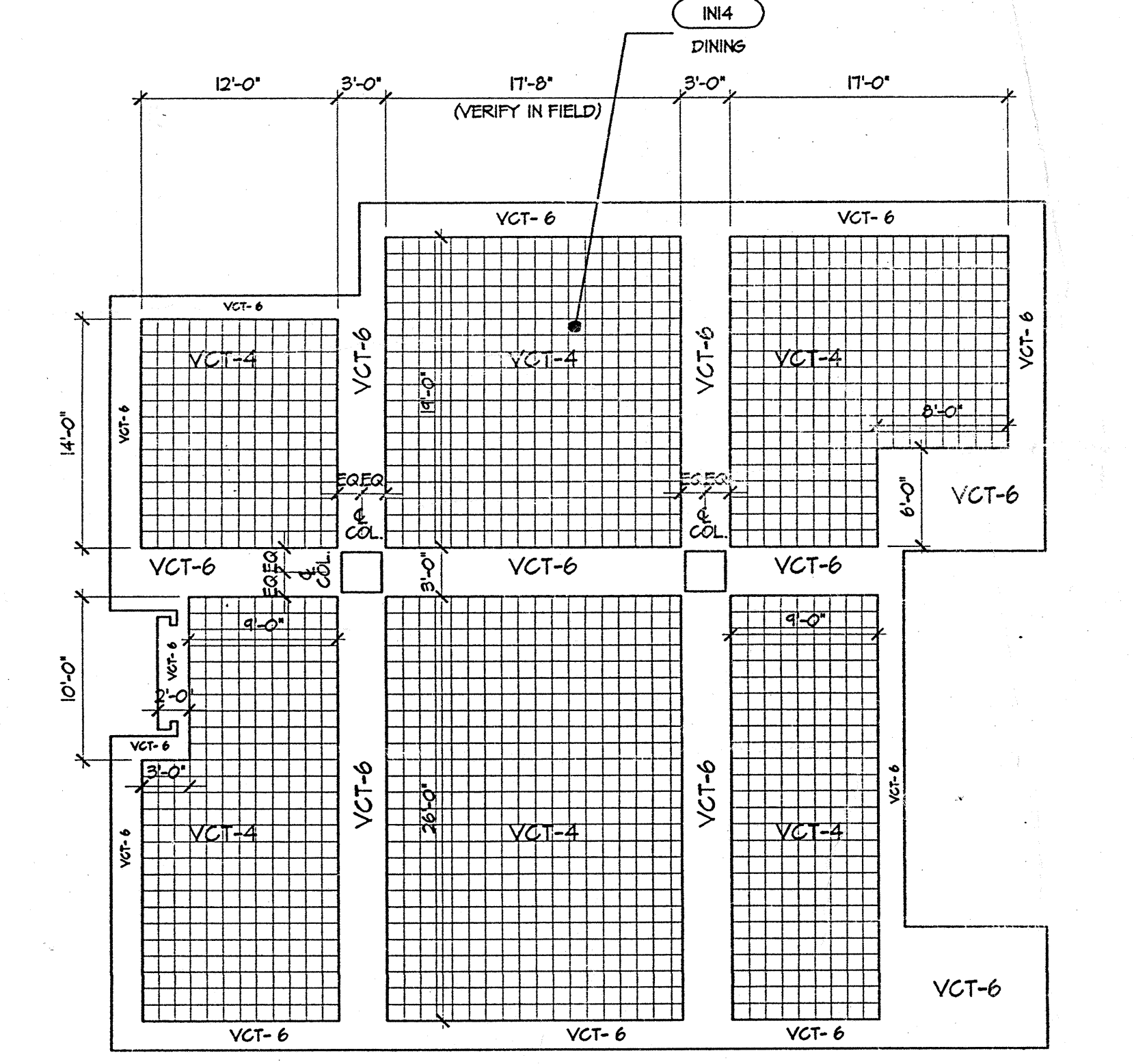
TILE PATTERN DETAIL (WALL) 3  
1/2" = 1'-0"  
A2.5



TILE PATTERN DETAIL (FLOOR) 2  
1/4" = 1'-0"  
A2.5

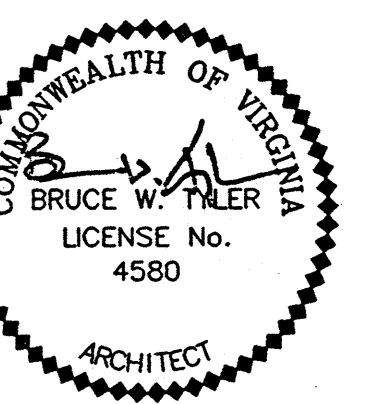


TILE PATTERN DETAIL (FLOOR)  
1/8" = 1'-0"  
A2.5

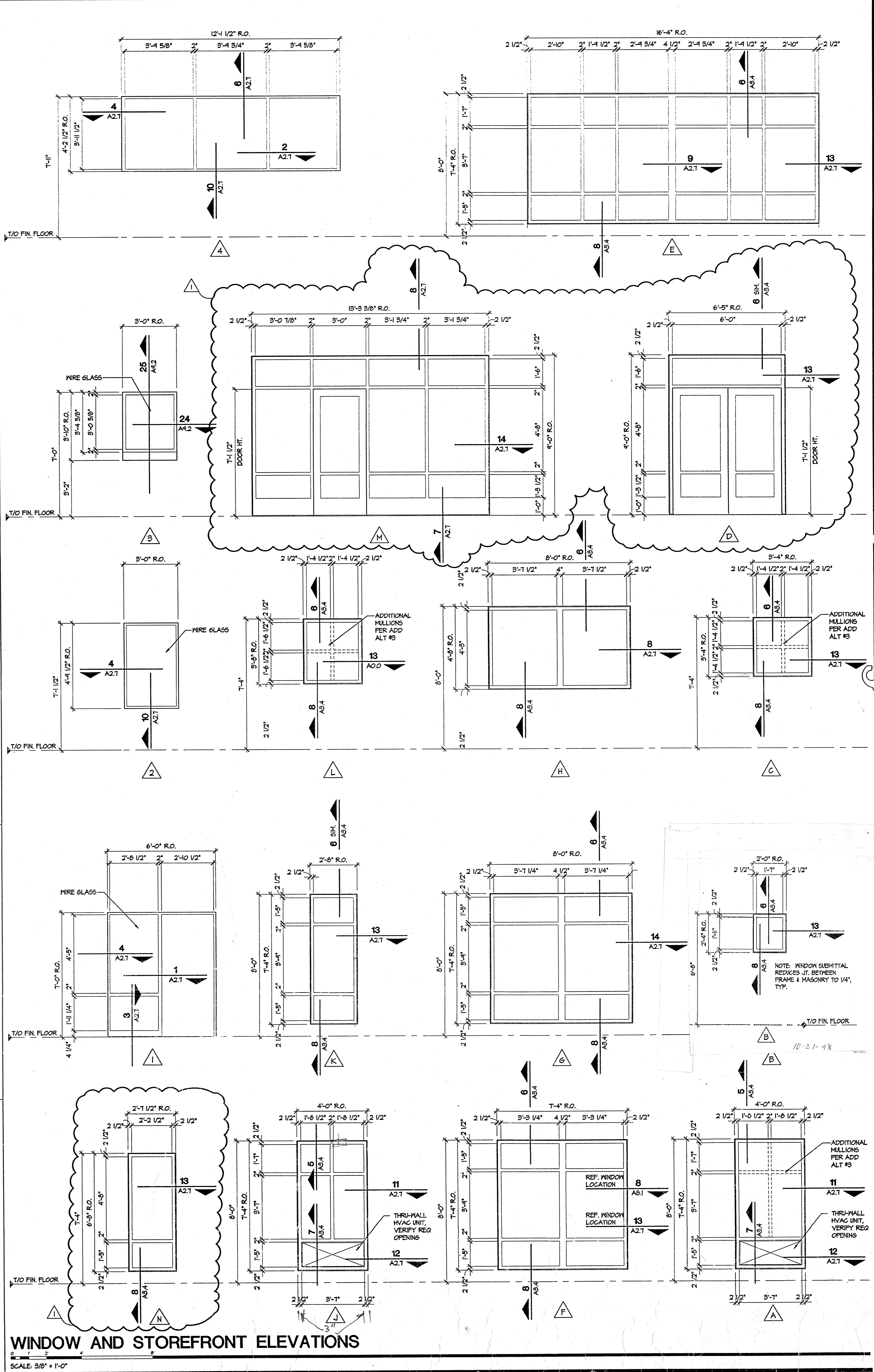


TILE PATTERN DETAIL (FLOOR)  
1  
A2.5

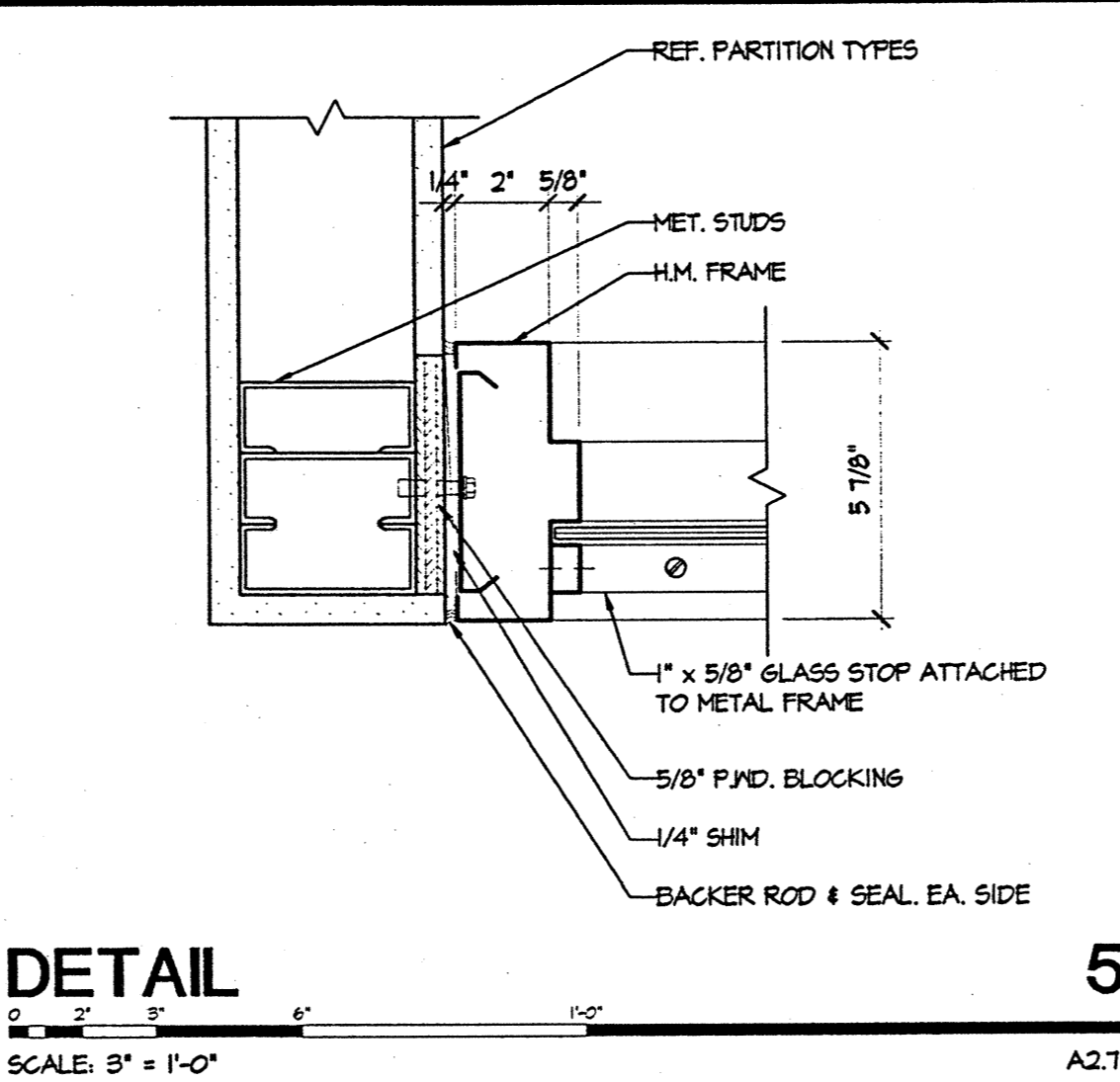




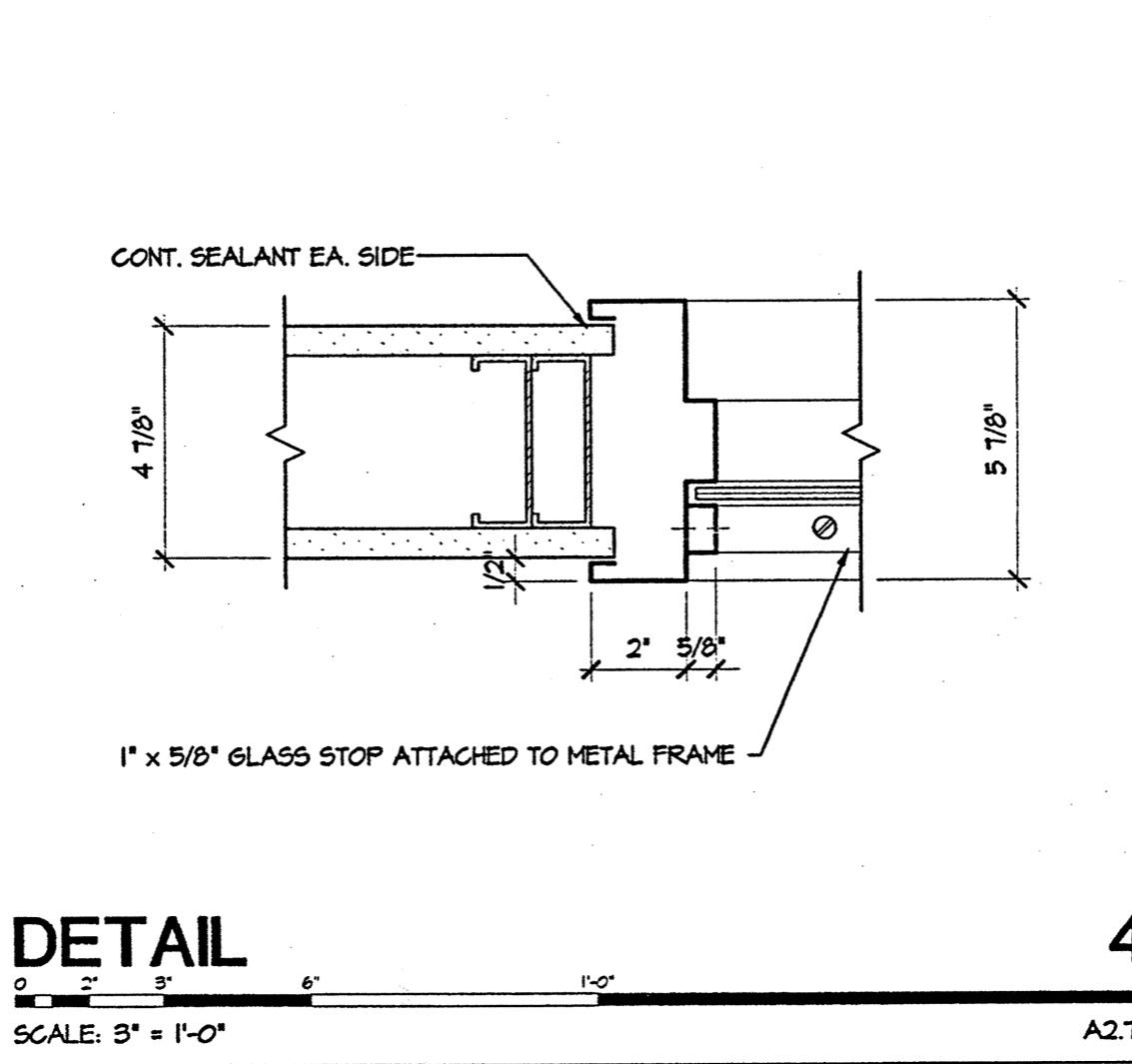
B A S K E R V I L L E S O N



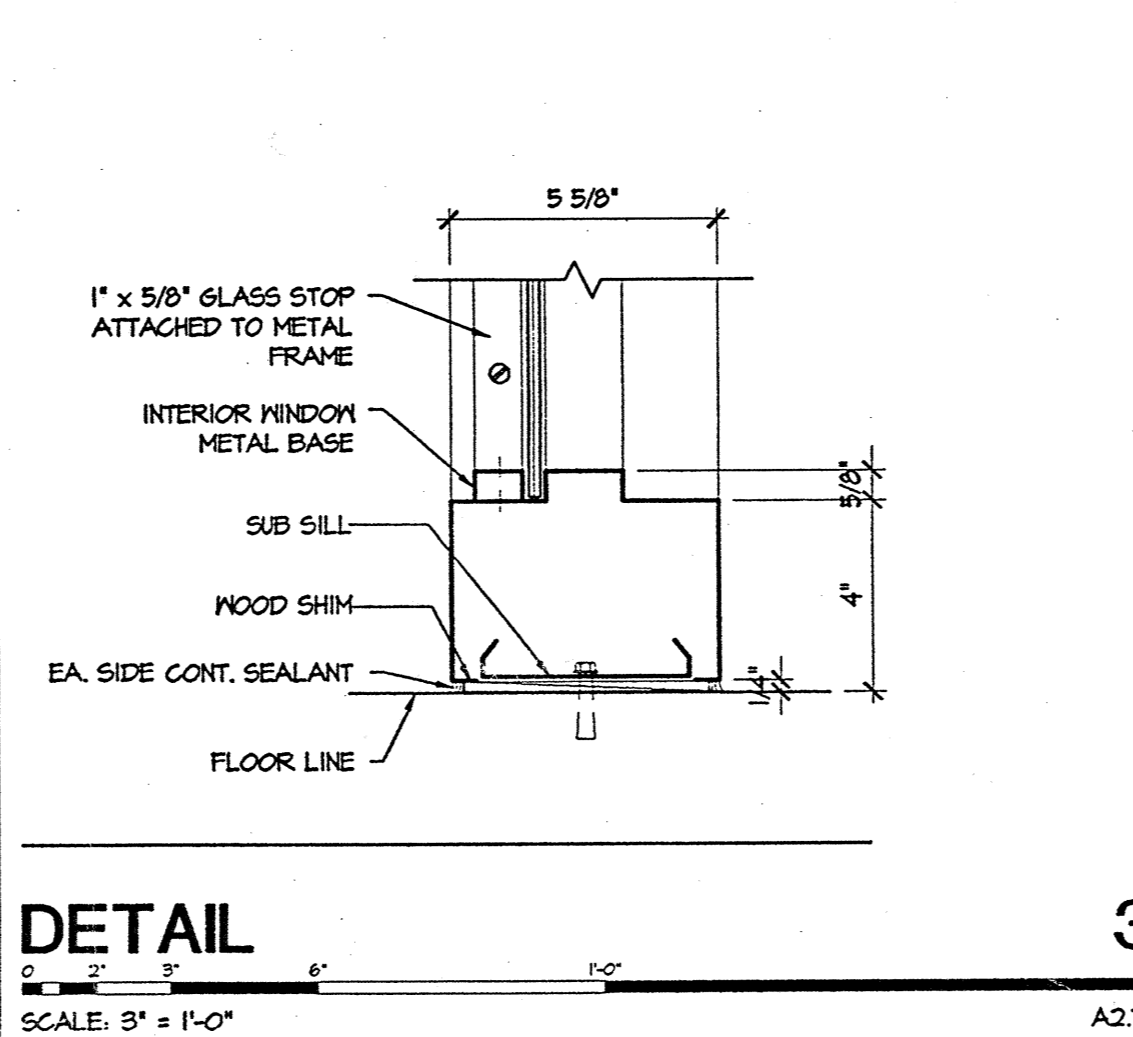
**1 WINDOW AND STOREFRONT ELEVATIONS**



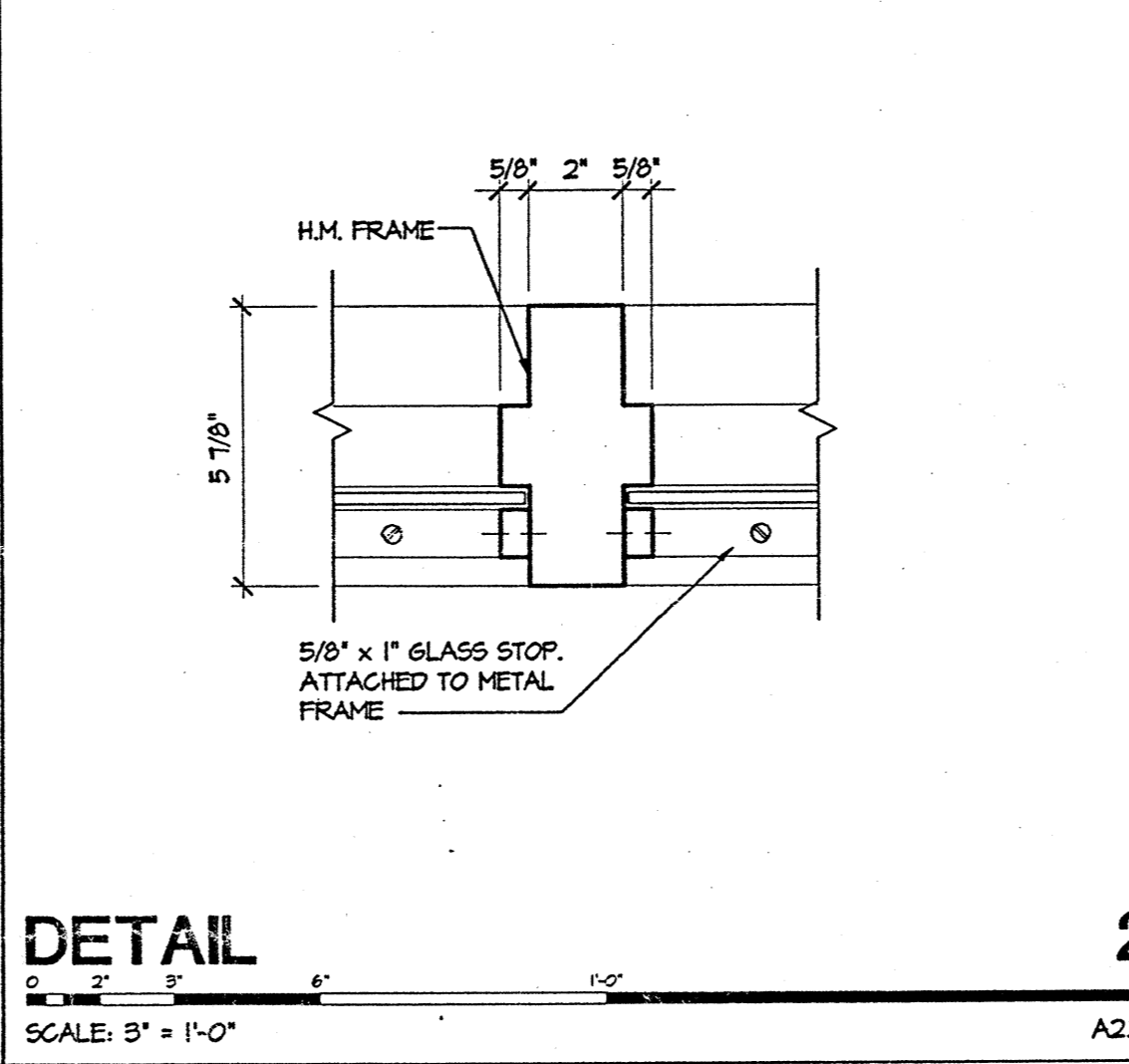
**5 DETAIL**  
SCALE: 3\"/>



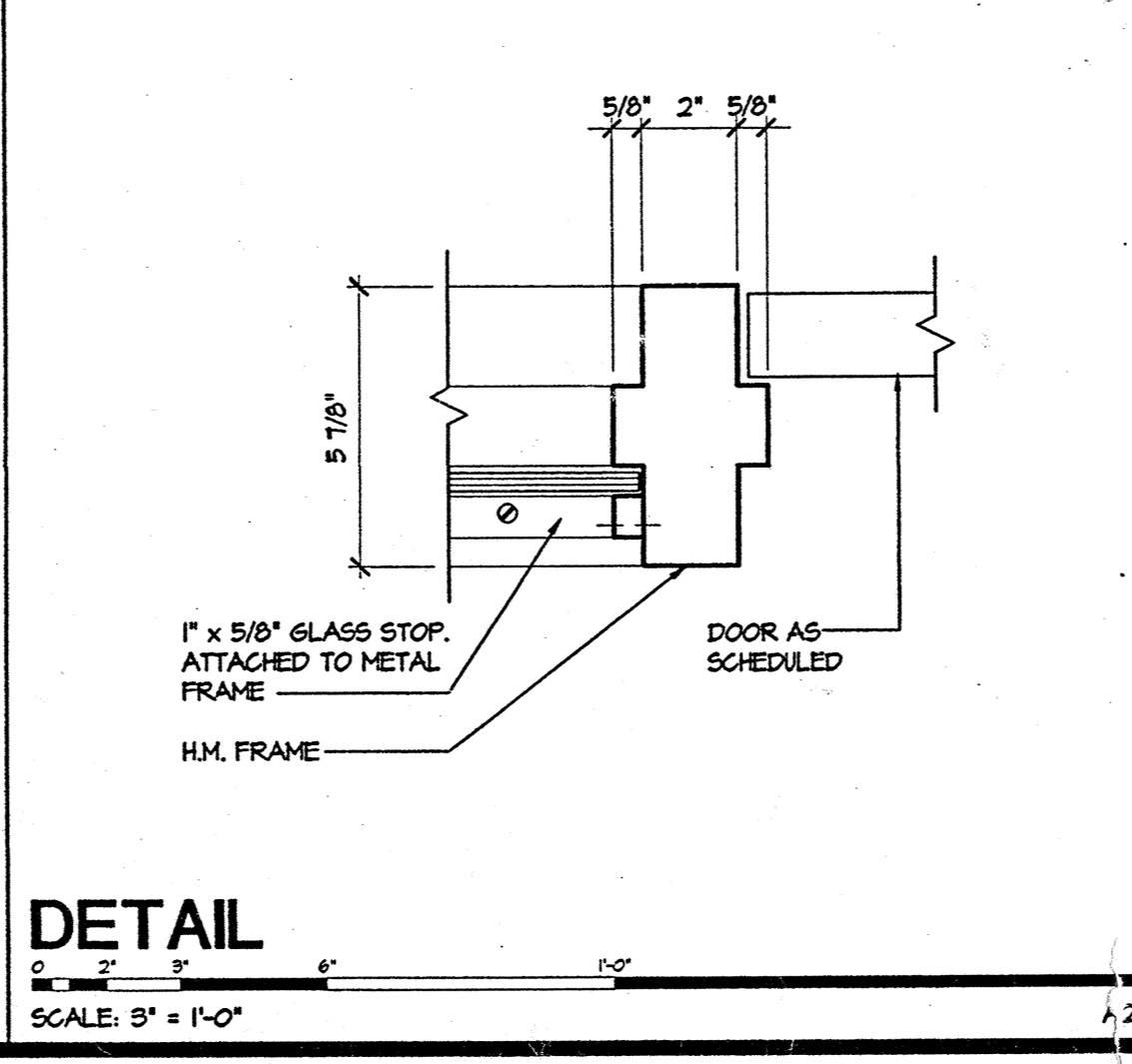
**4 DETAIL**  
SCALE: 3\"/>



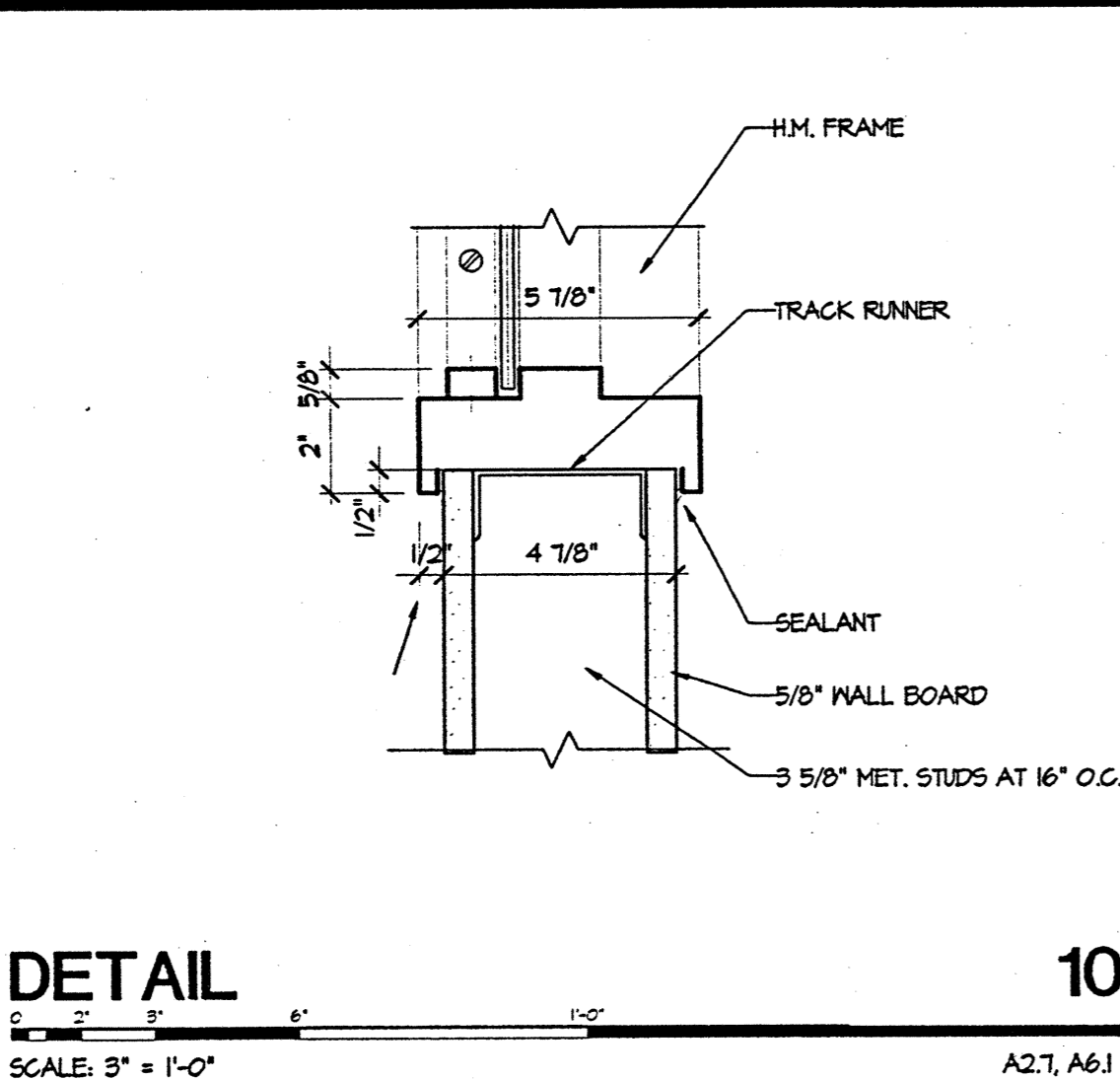
**3 DETAIL**  
SCALE: 3\"/>



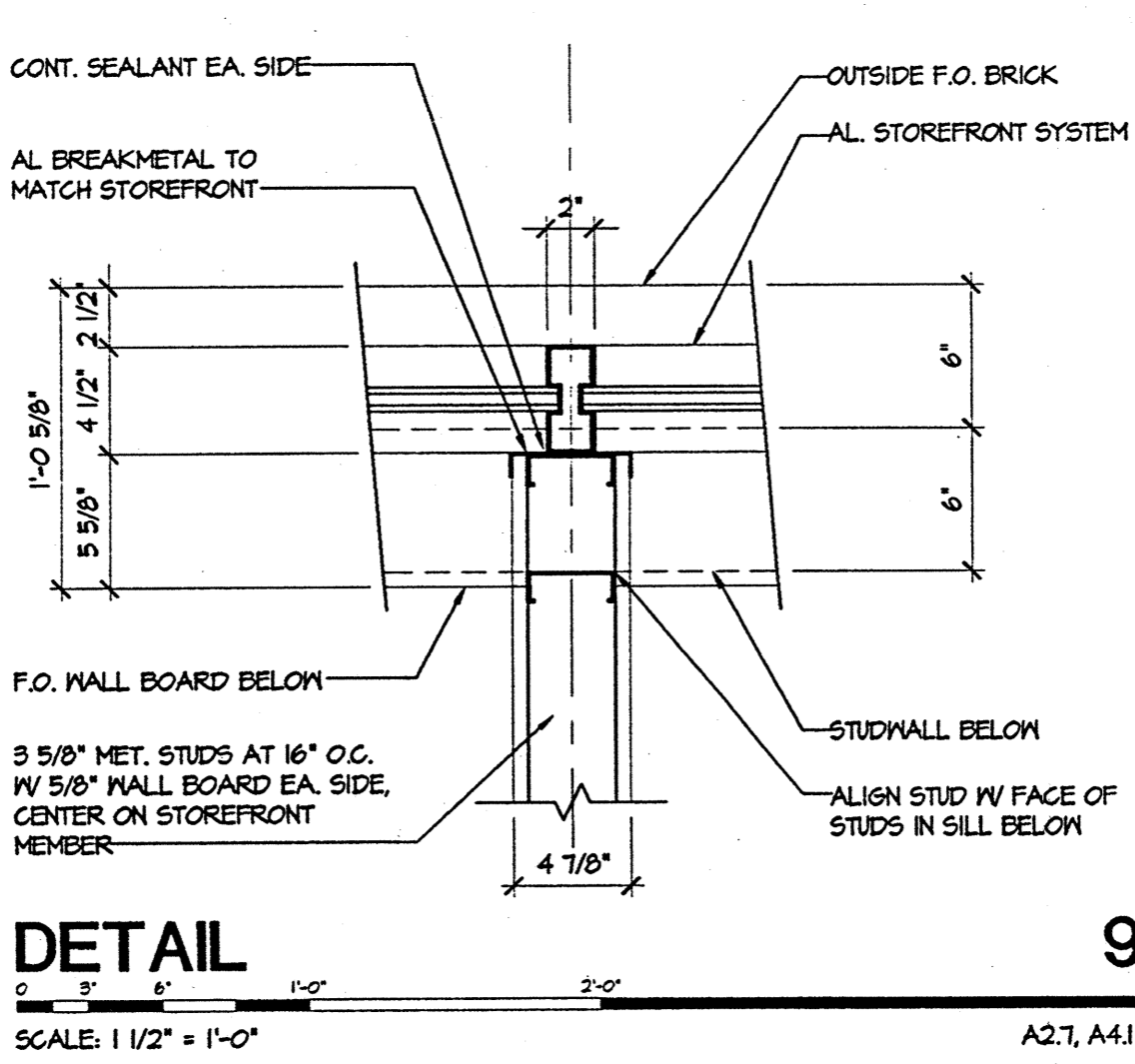
**2 DETAIL**  
SCALE: 3\"/>



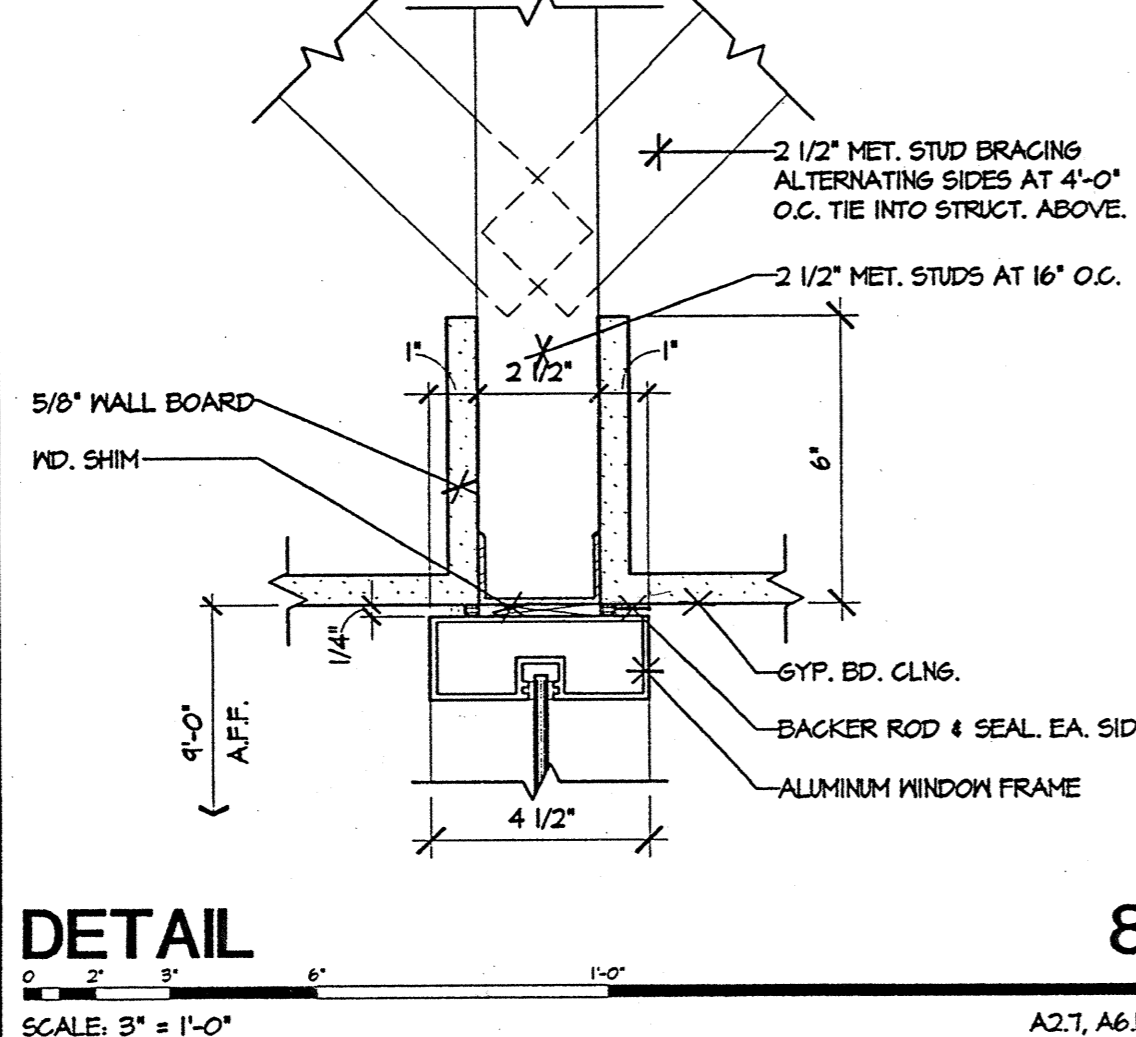
**6 DETAIL**  
SCALE: 3\"/>



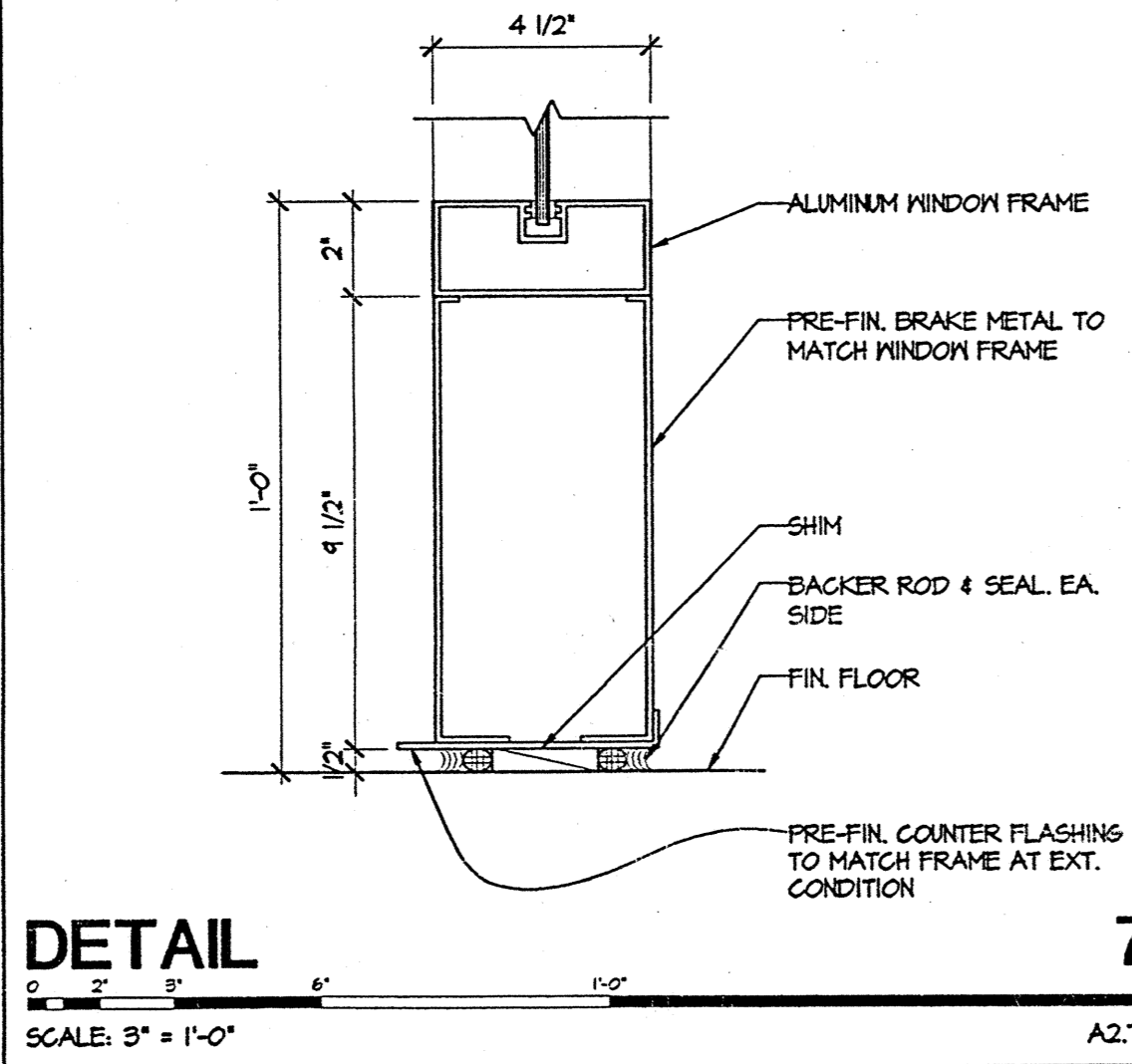
**10 DETAIL**  
SCALE: 3\"/>



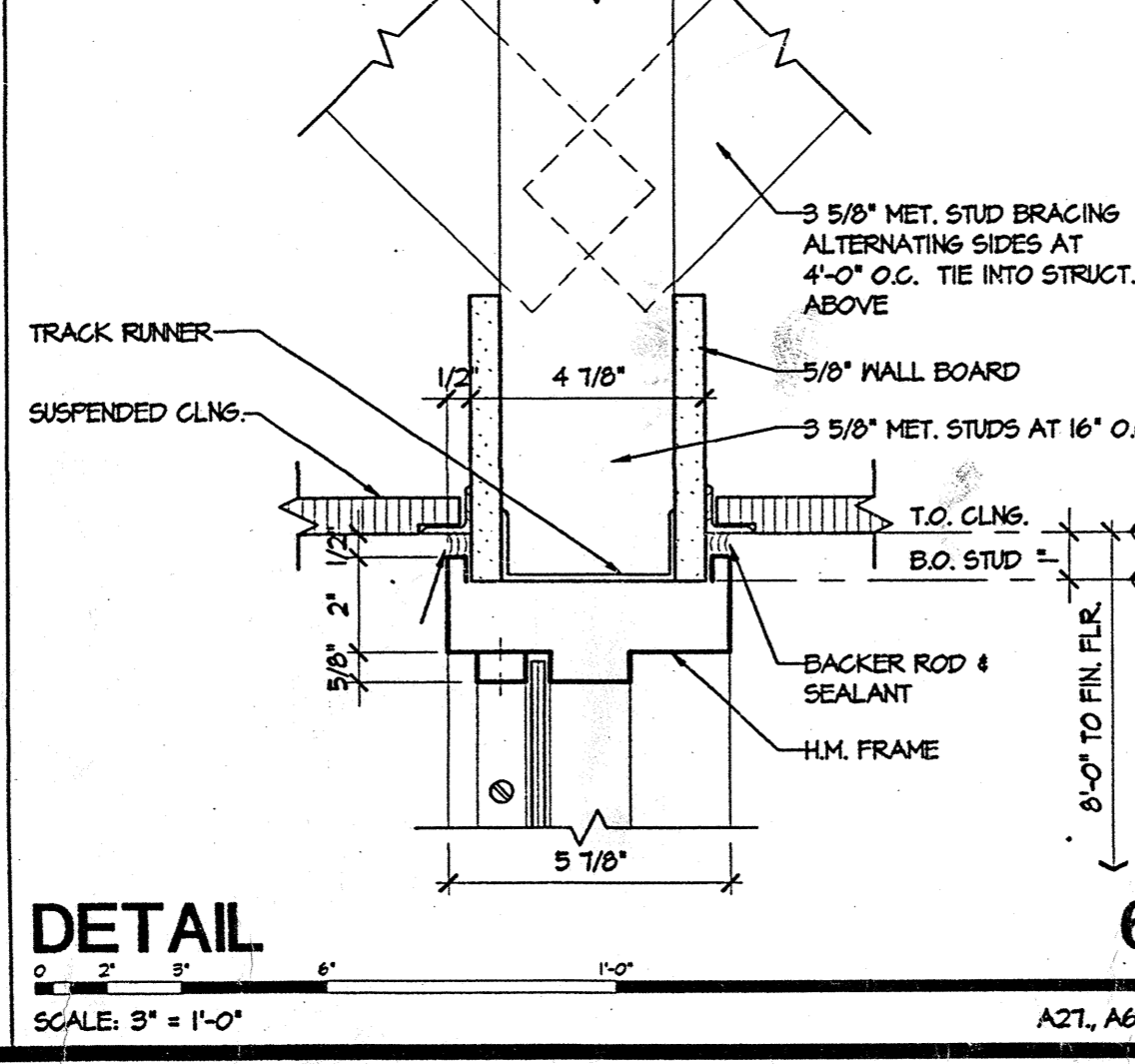
**9 DETAIL**  
SCALE: 1 1/2\"/>



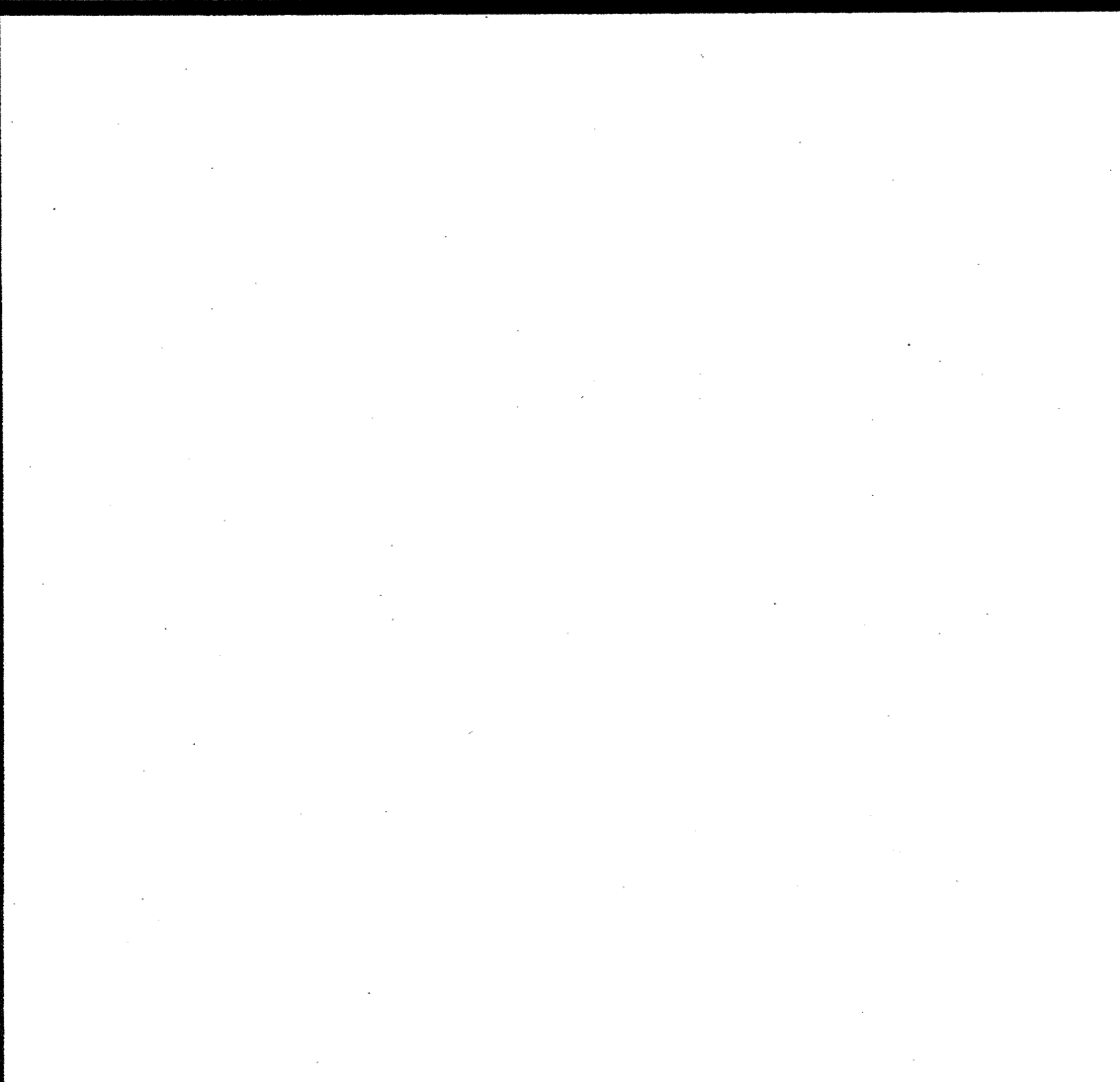
**8 DETAIL**  
SCALE: 3\"/>



**7 DETAIL**  
SCALE: 3\"/>



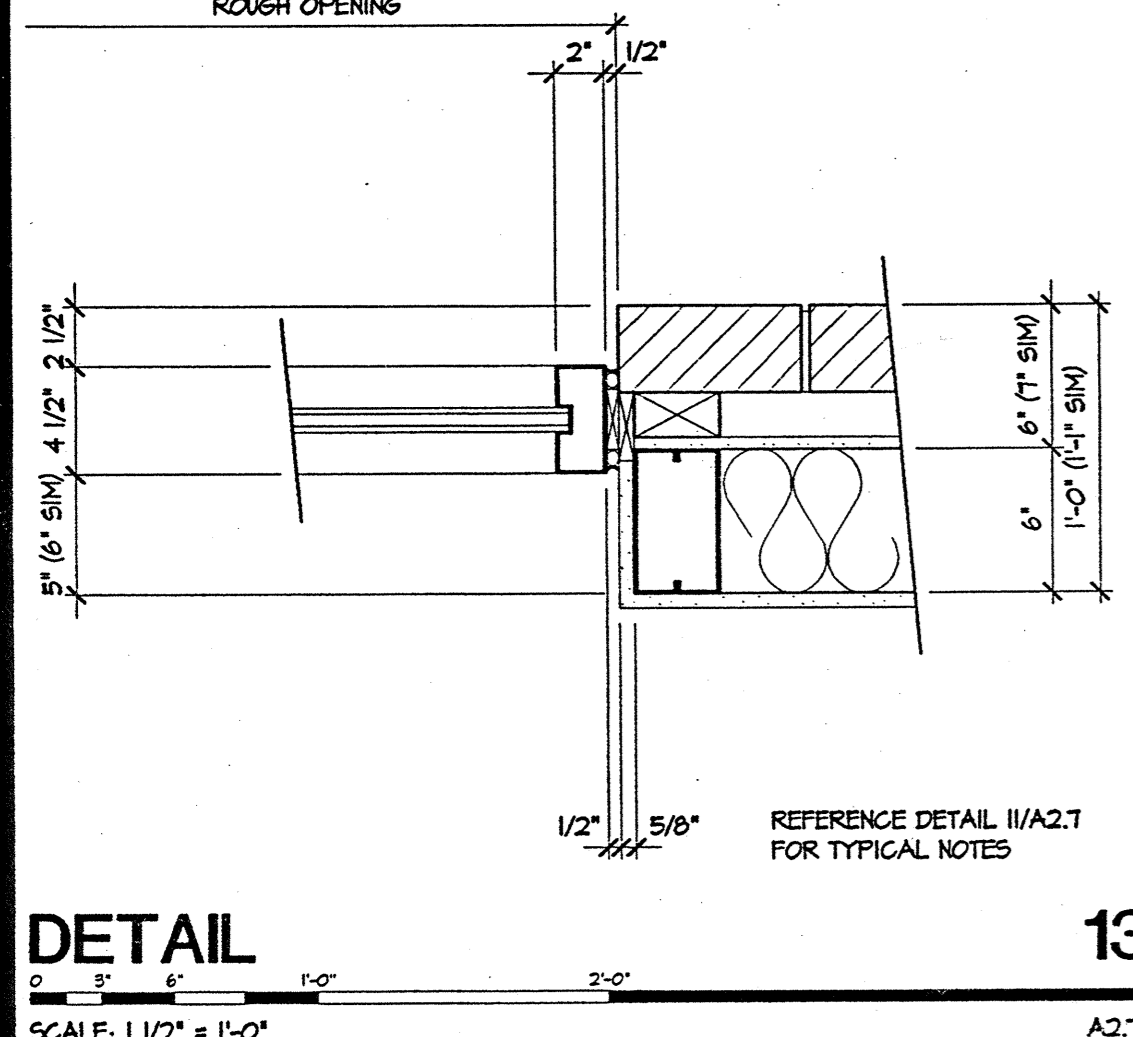
**6 DETAIL**  
SCALE: 3\"/>



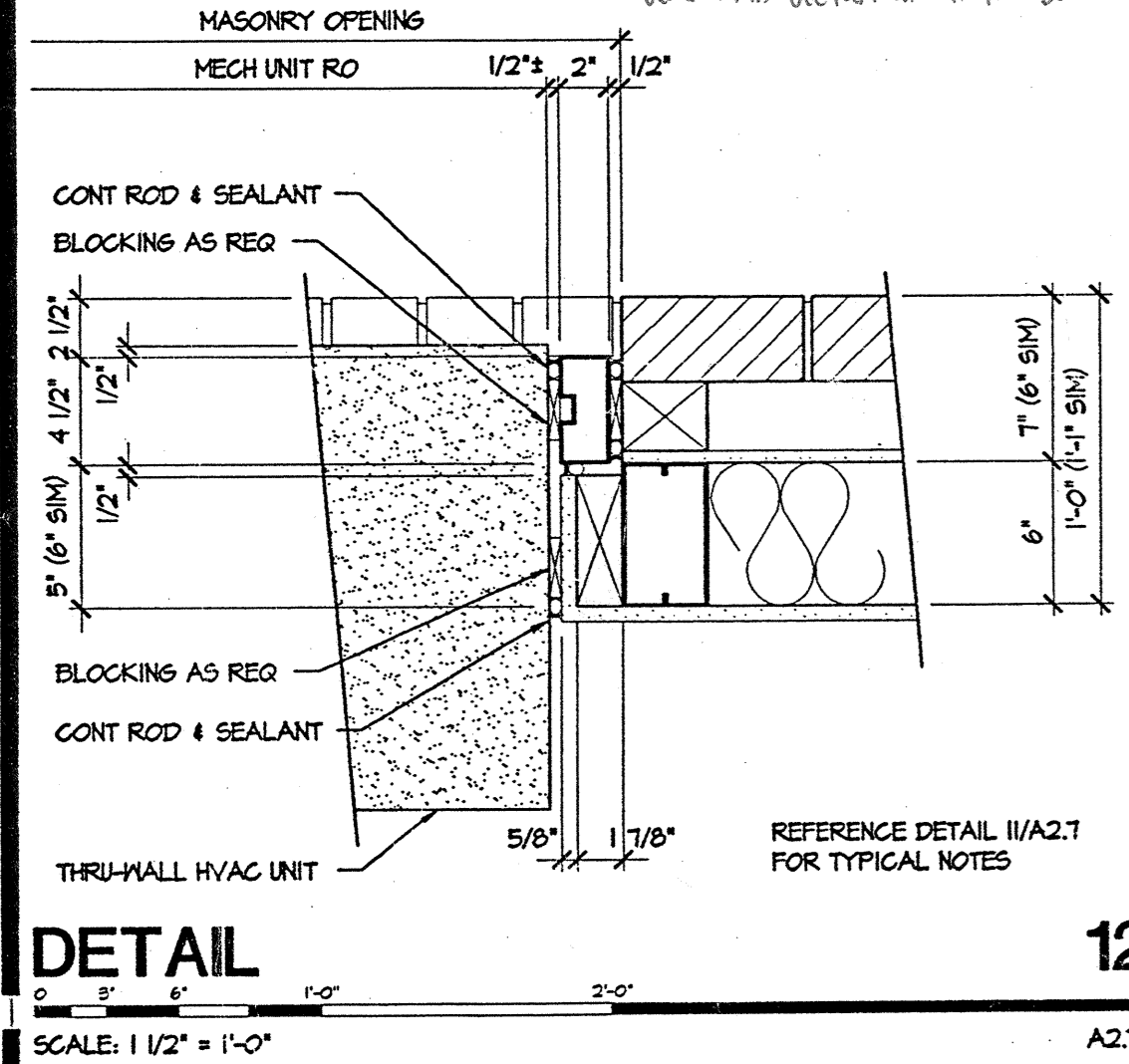
**13 DETAIL**  
SCALE: 1 1/2\"/>



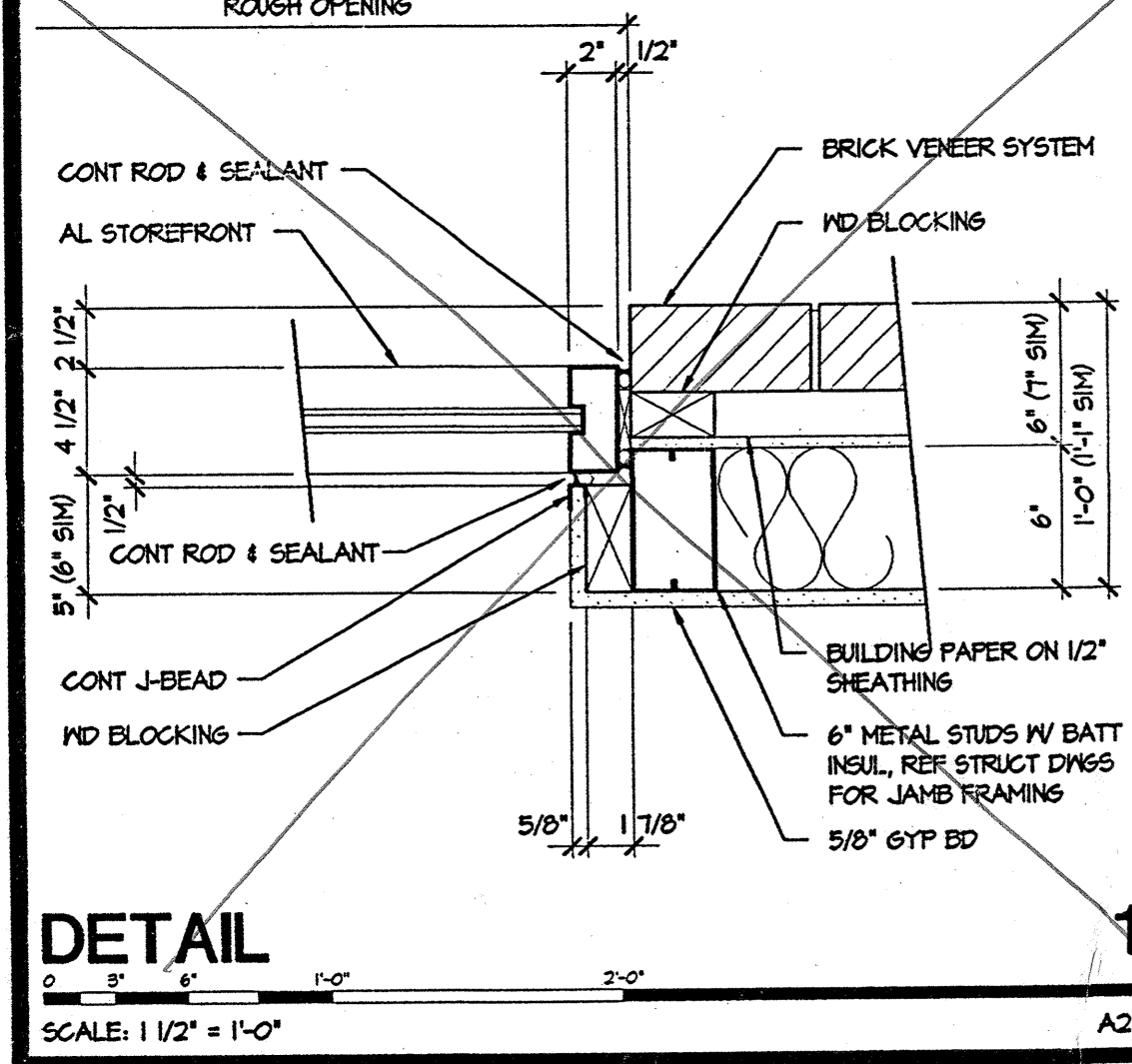
**13 DETAIL**  
SCALE: 1 1/2\"/>



**13 DETAIL**  
SCALE: 1 1/2\"/>



**12 DETAIL**  
SCALE: 1 1/2\"/>



**11 DETAIL**  
SCALE: 1 1/2\"/>

11/01/01 11:57:17 (C:\WORK\PROJECTS\118782\_7.dwg, 13, 11:59, 07/08/98) ACL1

DRAWING TITLE  
**WINDOW DETAILS**

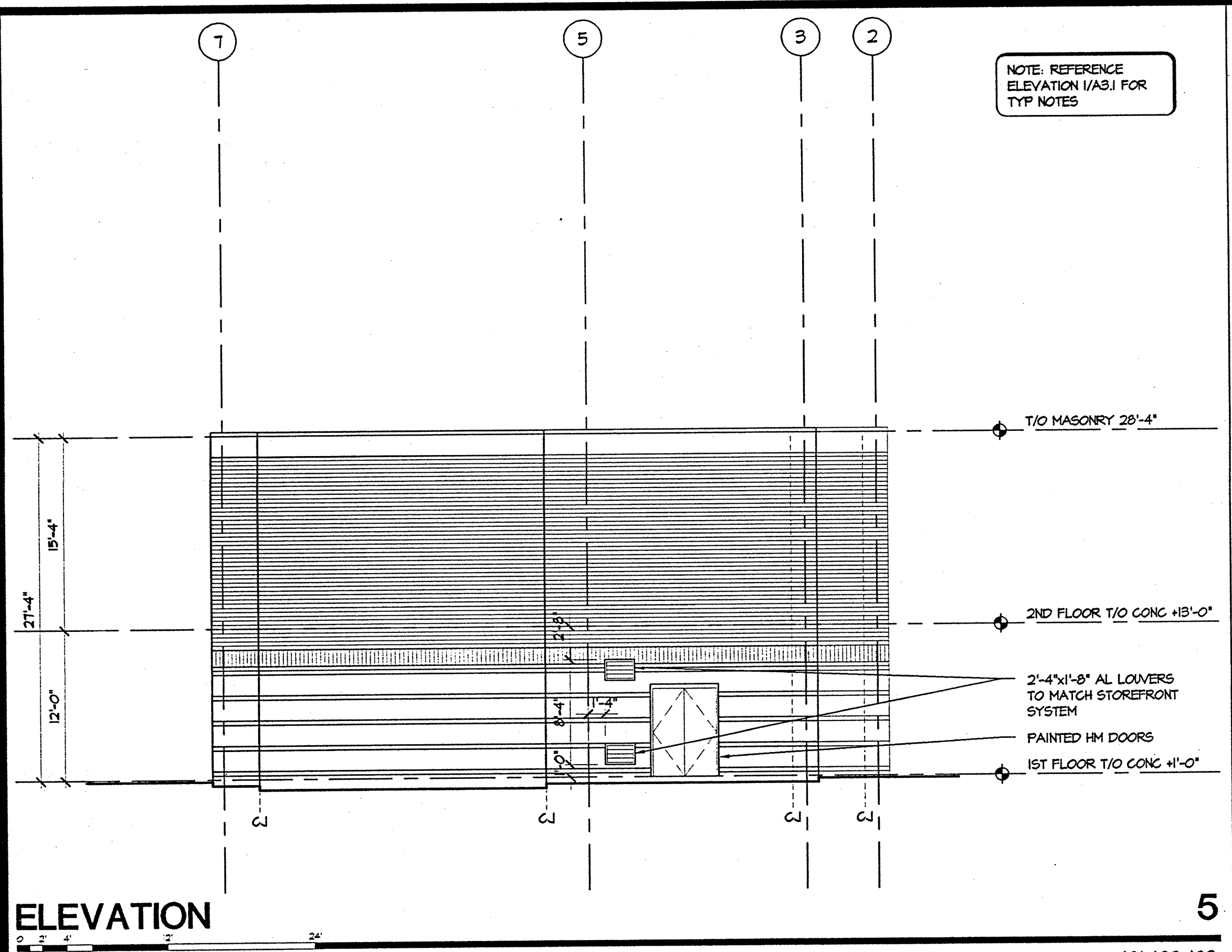
DATE  
**03/18/98**

REVISIONS  

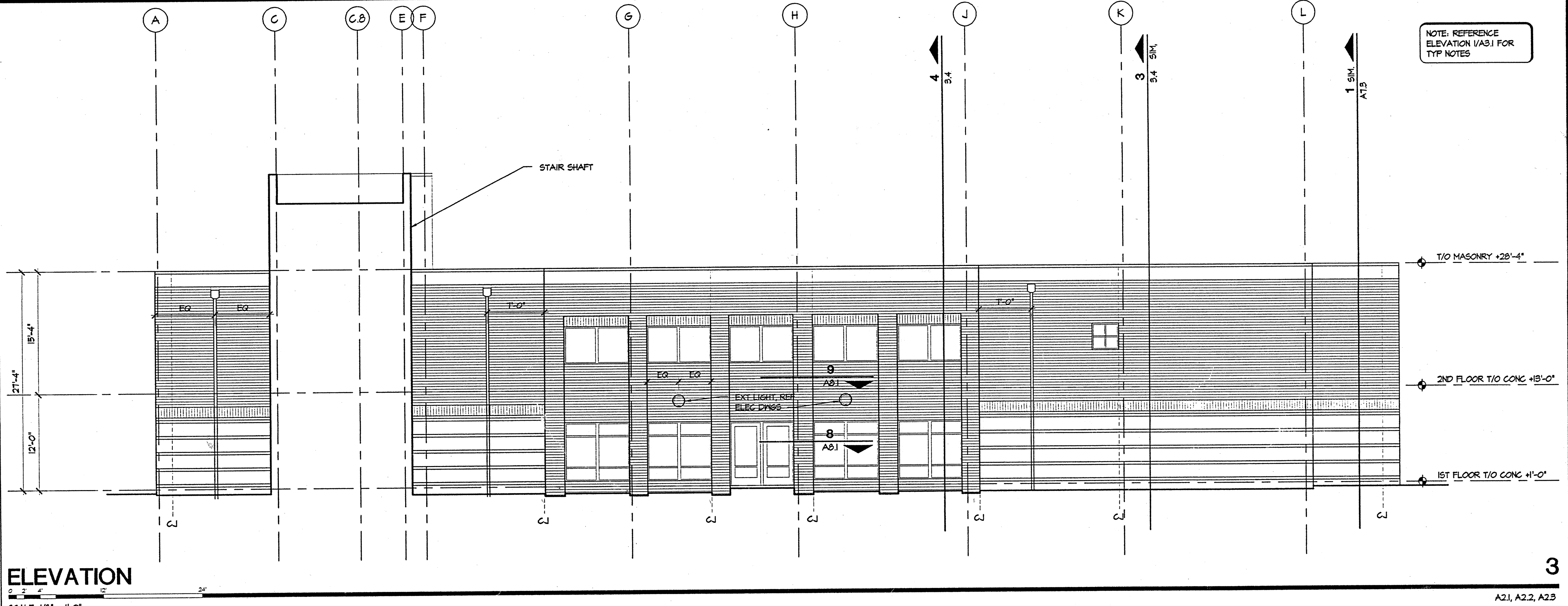
1	07/08/98	CCP1
---	----------	------

DRAWING NUMBER  
**97187**

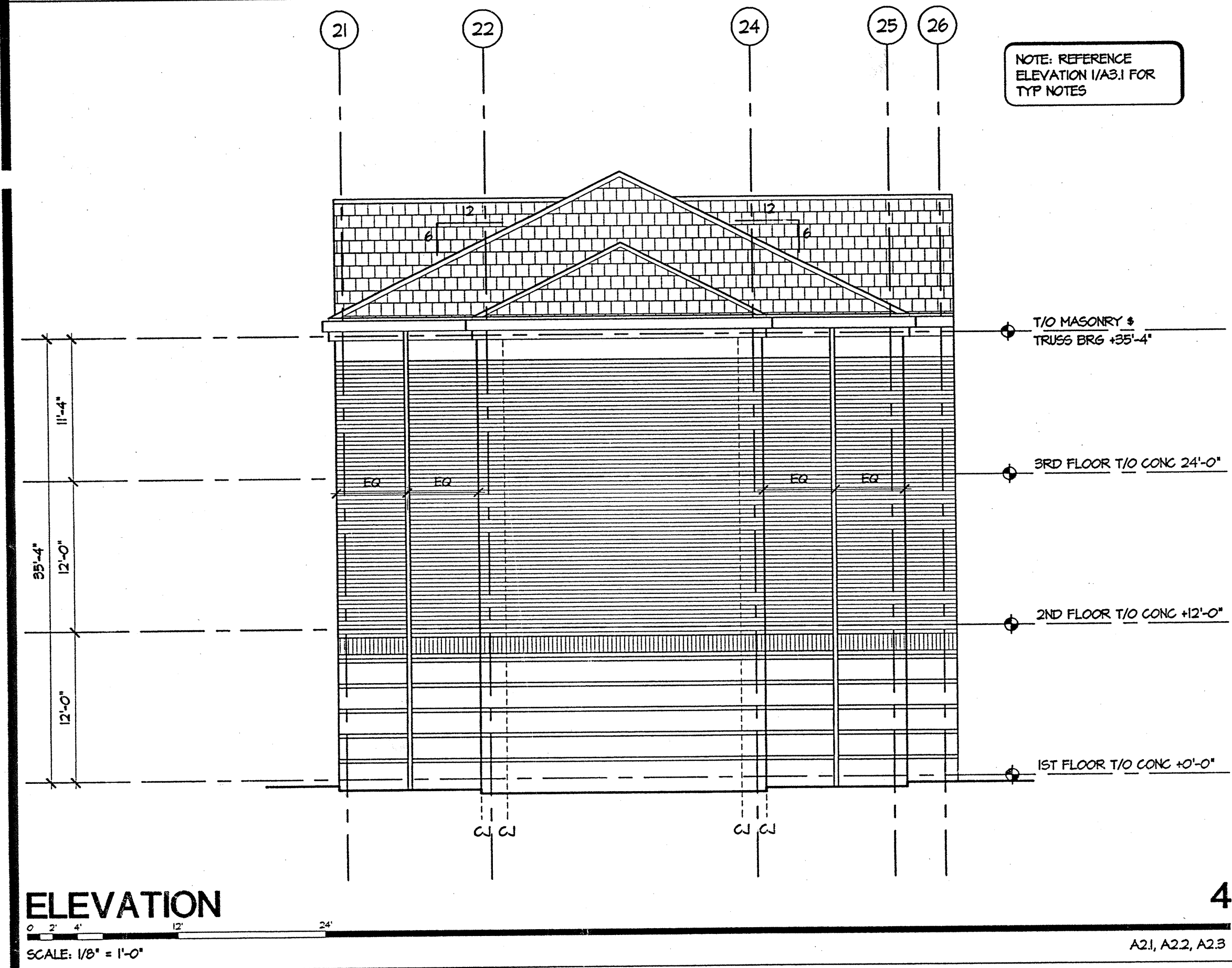




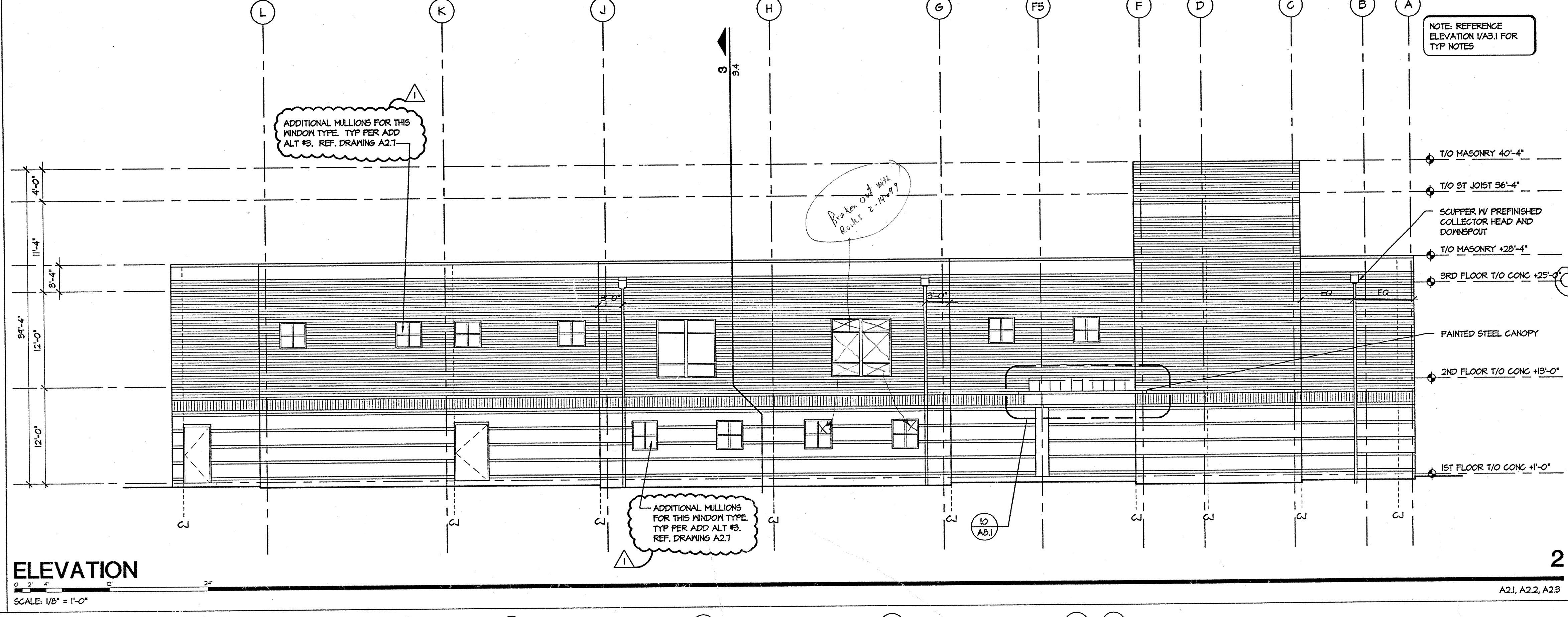
**ELEVATION 5**  
SCALE: 1/8" = 1'-0"  
A21, A22, A23



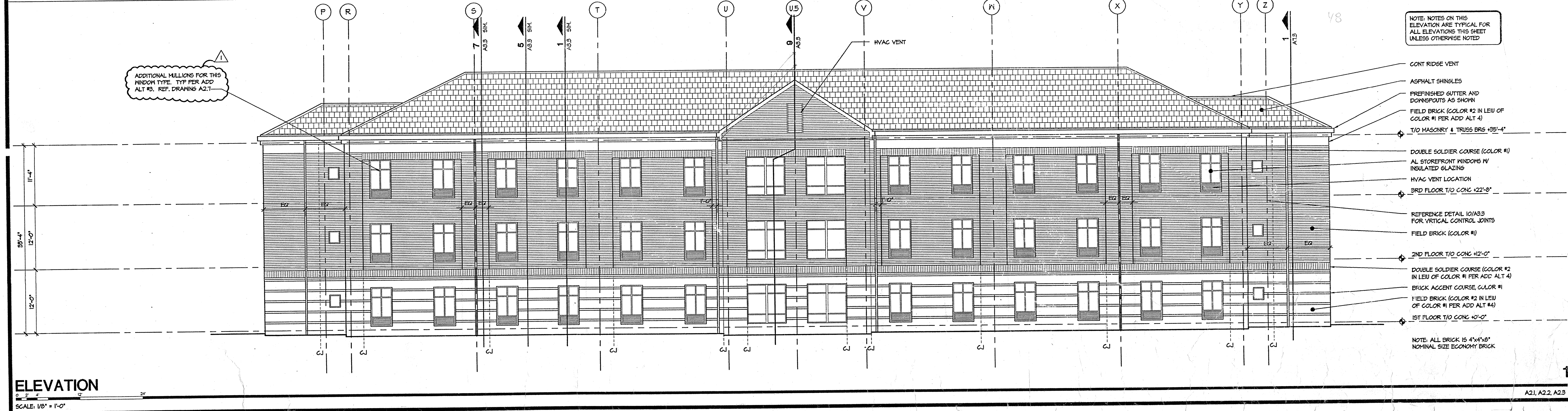
**ELEVATION 3**  
SCALE: 1/8" = 1'-0"  
A21, A22, A23



**ELEVATION 2**  
SCALE: 1/8" = 1'-0"  
A21, A22, A23



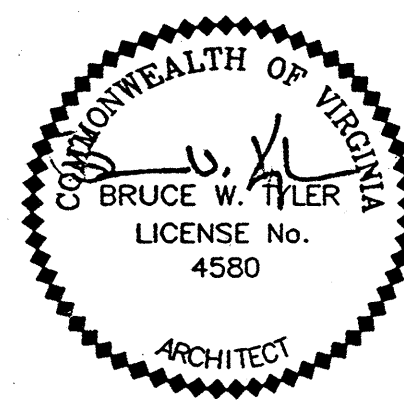
**ELEVATION 4**  
SCALE: 1/8" = 1'-0"  
A21, A22, A23



**ELEVATION 1**  
SCALE: 1/8" = 1'-0"  
A21, A22, A23

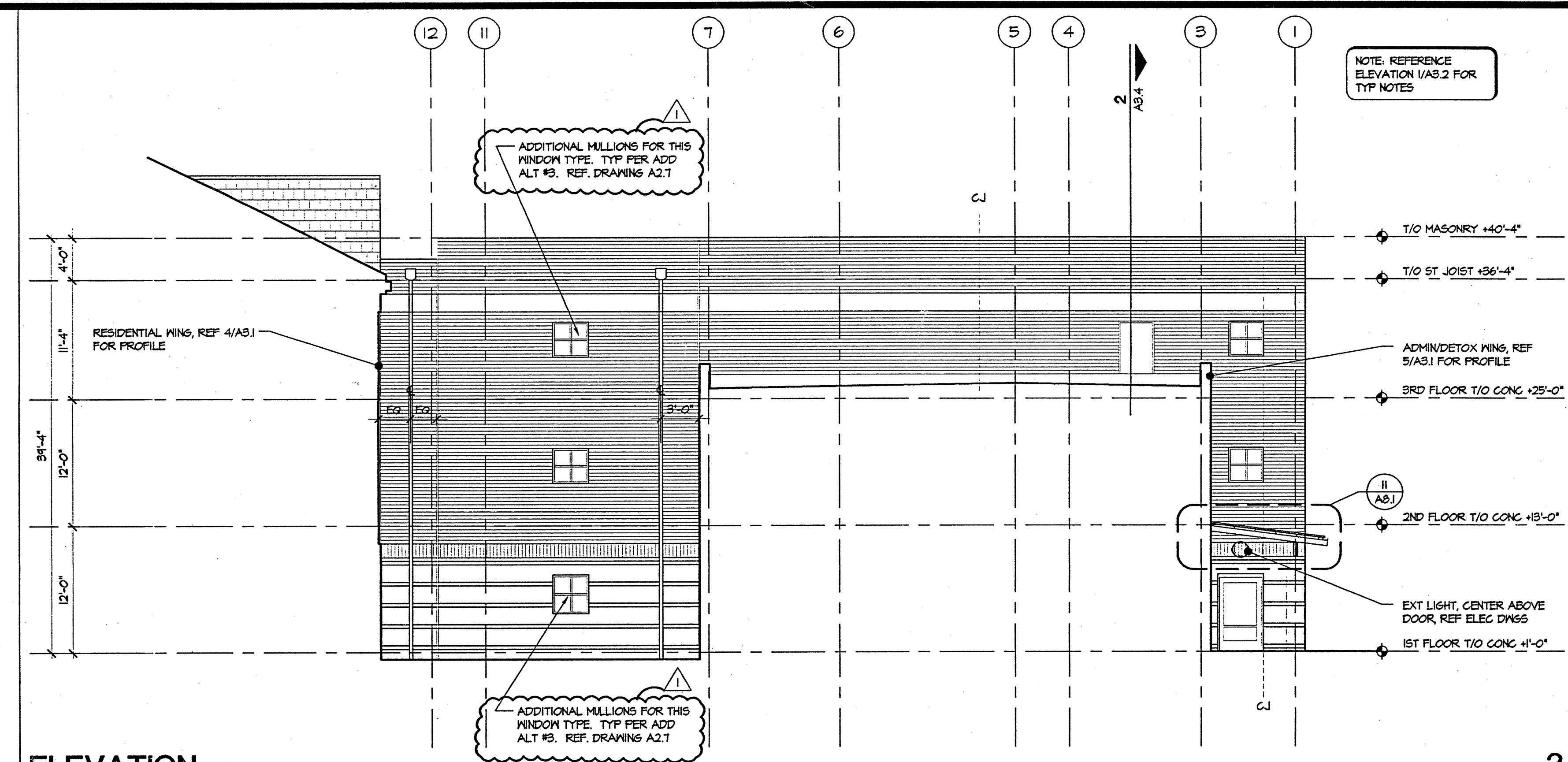
© 1997 Skerston & Son. All rights reserved. No part of this drawing may be reproduced without the written consent of Skerston & Son.

Vertical, Inc. 03/18/98 CAD/ARCH/CDV/187A3.1.dwg 13:26:43 07/09/98 A3.1



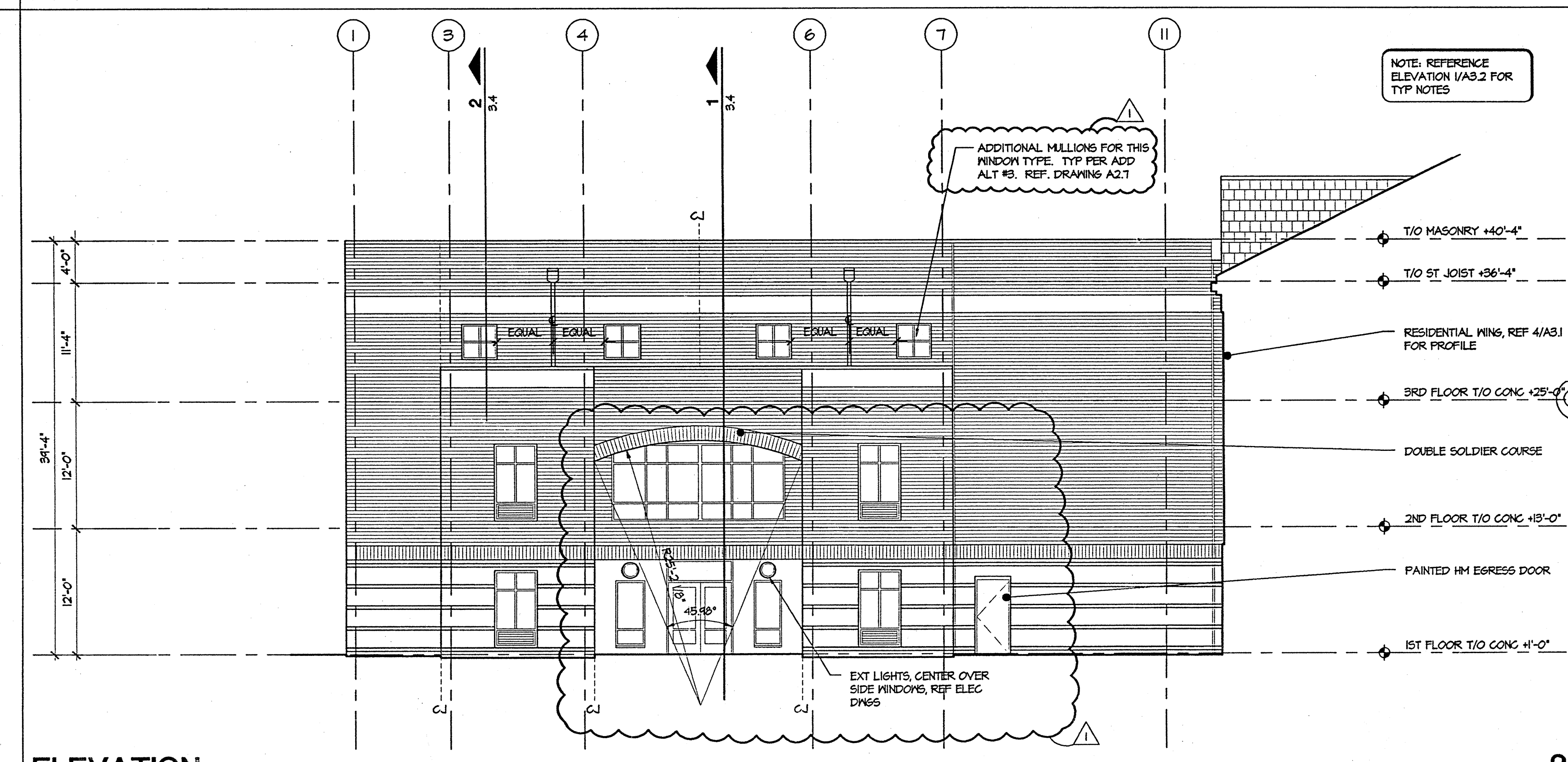
**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

**BASKERVILLE**



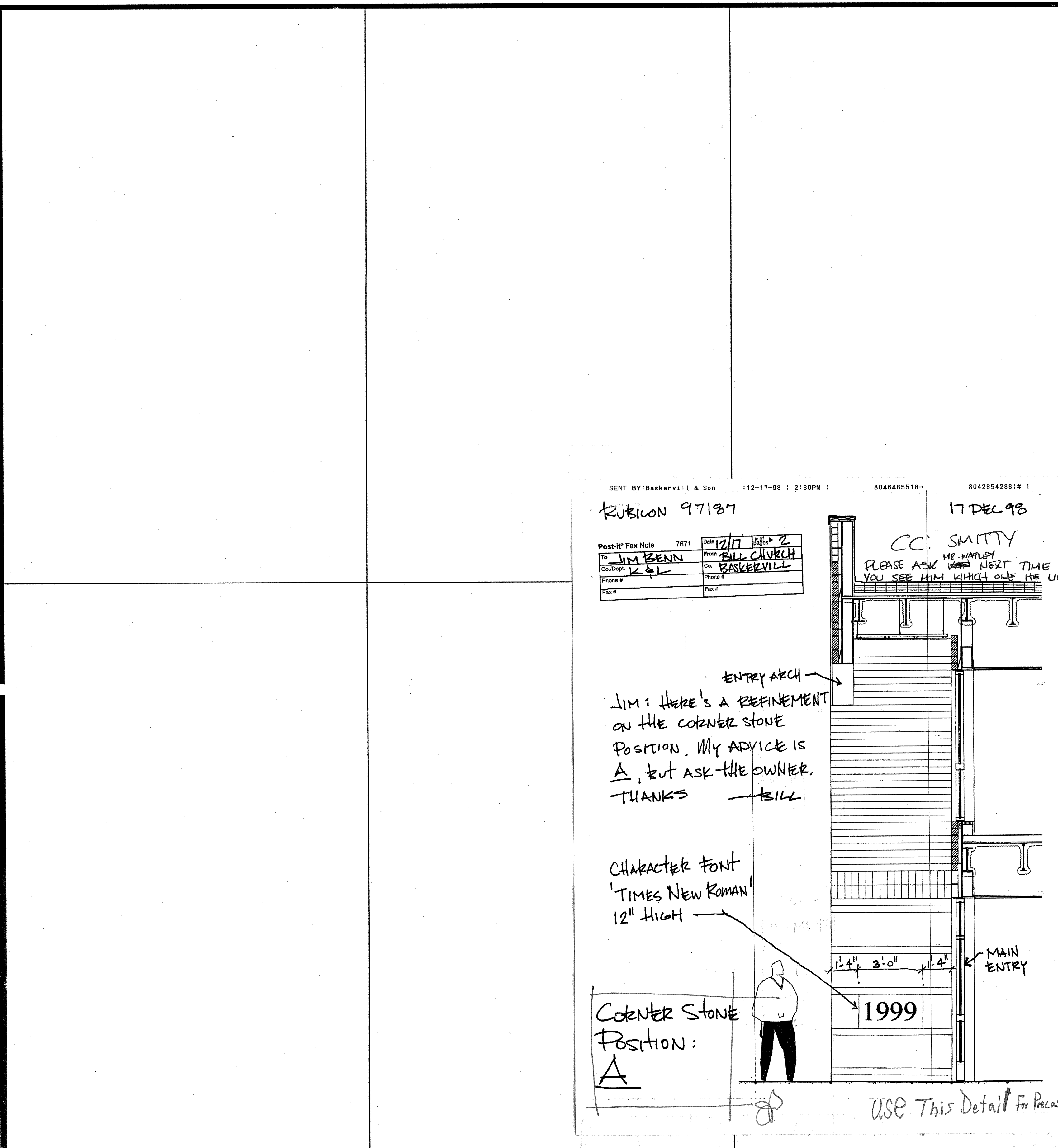
**ELEVATION**  
SCALE: 1/8" = 1'-0"

A2.1, A2.2, A2.3



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

A2.1, A2.2, A2.3



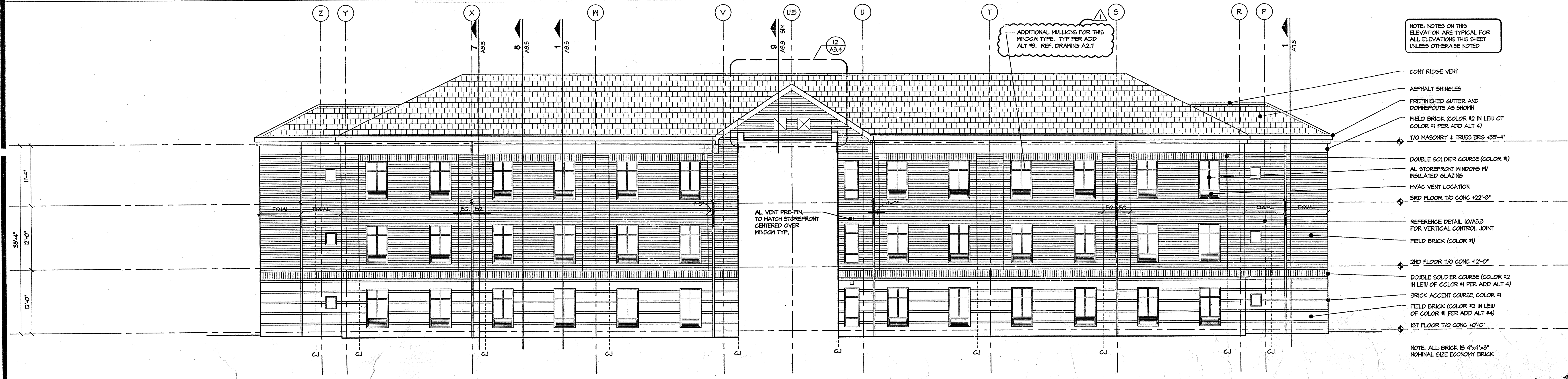
SENT BY: Baskerville & Son 112-17-98 2:30PM 8042854288:R 8042854288:R  
RUBICON 97187  
Post-Net Fax Note 7671  
To: JIM BENN  
From: BILL CHURCH  
Cc: BASKERVILLE  
Date: 12/17/98  
Time: 2:30 PM  
Fax #  
Fax #

JIM: HERE'S A REFINEMENT ON THE CORNER STONE POSITION. MY ADVICE IS A, BUT ASK THE OWNER. THANKS  
BILL

CHARACTER FONT 'TIMES NEW ROMAN' 12" HIGH

CORNER STONE POSITION: A

USE THIS DETAIL FOR PRECAST



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

A2.1, A2.2, A2.3

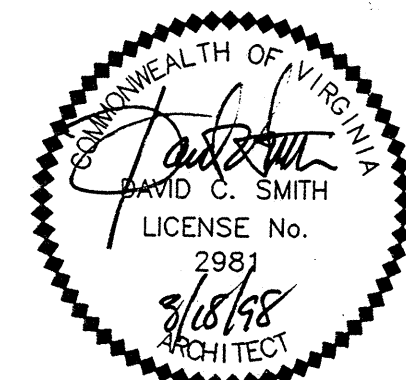
DRAWING TITLE  
**ELEVATIONS**

DATE  
**03/18/98**

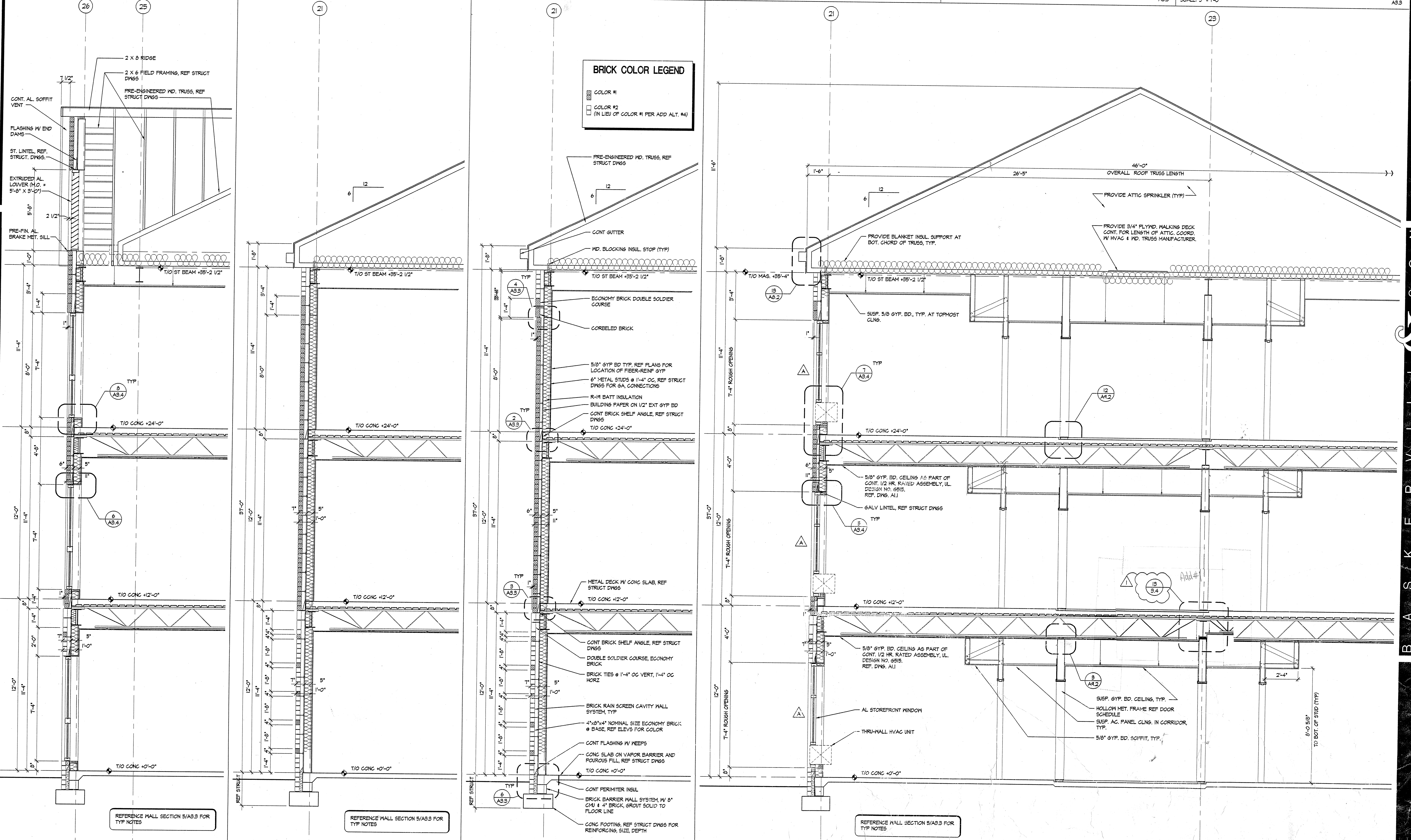
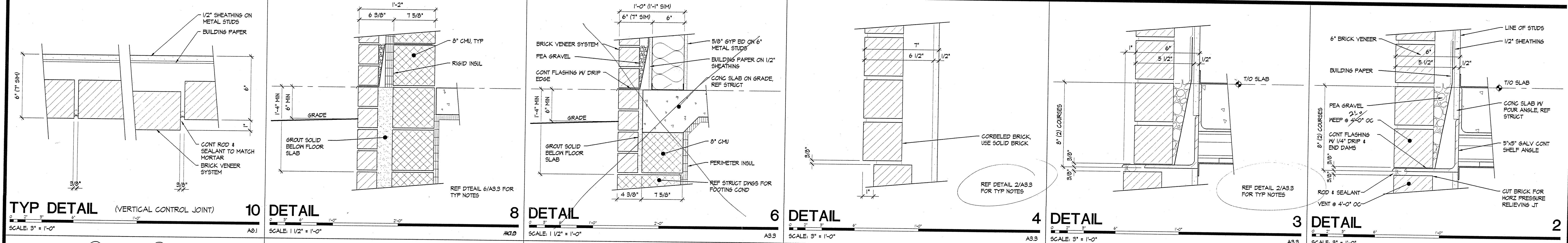
REVISIONS  
01/08/99 CCM

DRAWING NUMBER  
**97187**

**A3.2**



**B A S K E R V I L L E S O N**



**BRICK COLOR LEGEND**

[Pattern]	COLOR #1
[Pattern]	COLOR #2
(IN LIEU OF COLOR #1 PER ADD. #4)	

DRAWING TITLE  
**BUILDING SECTION/  
WALL SECTIONS/  
DETAILS**

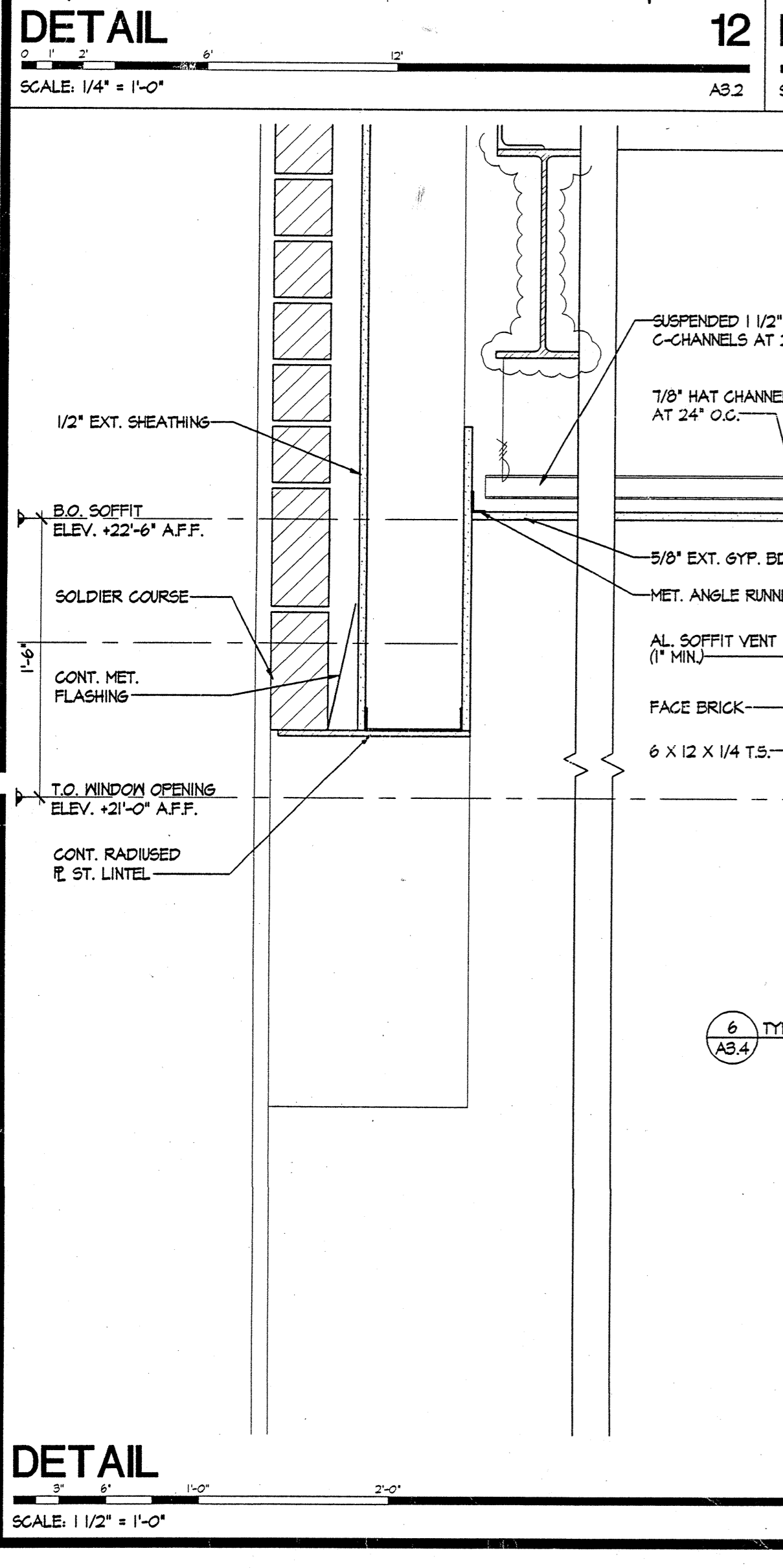
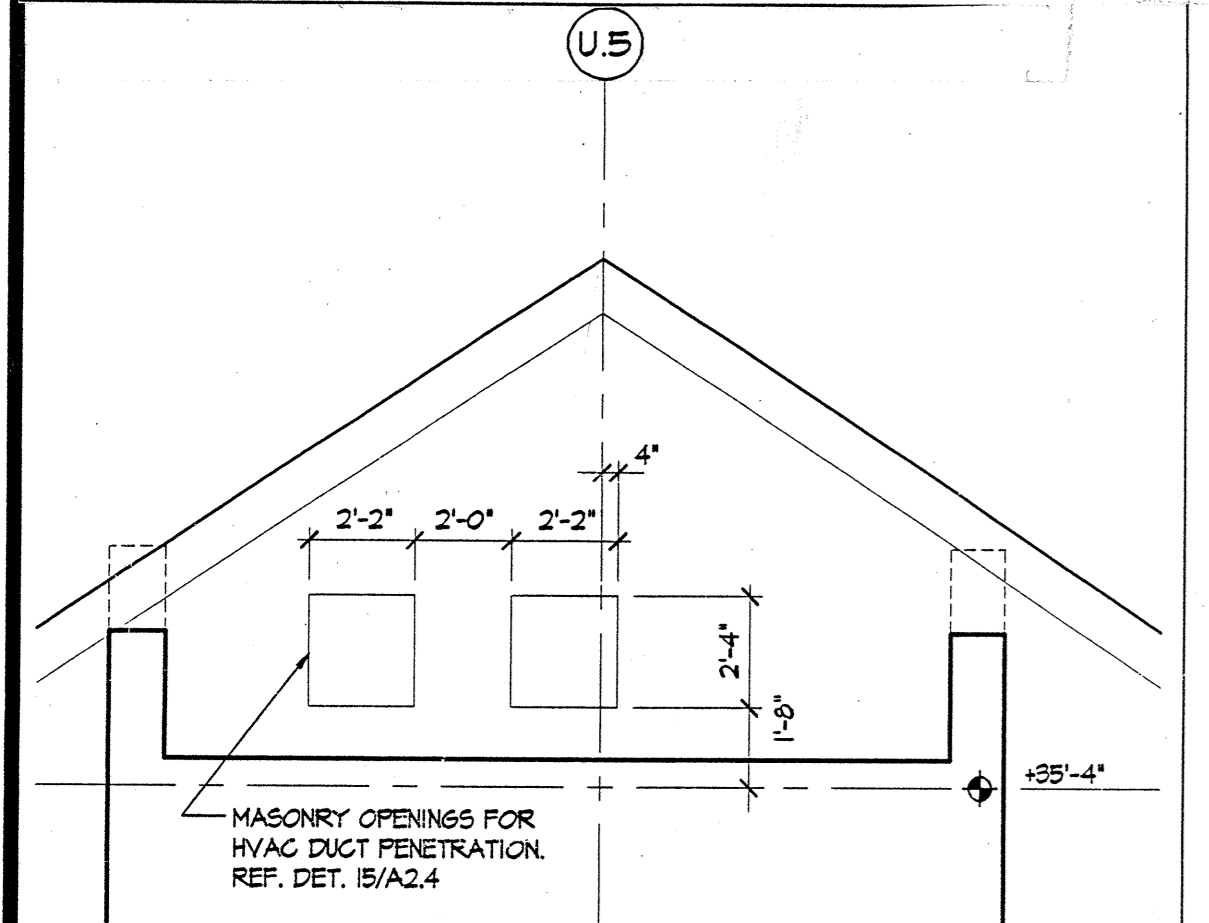
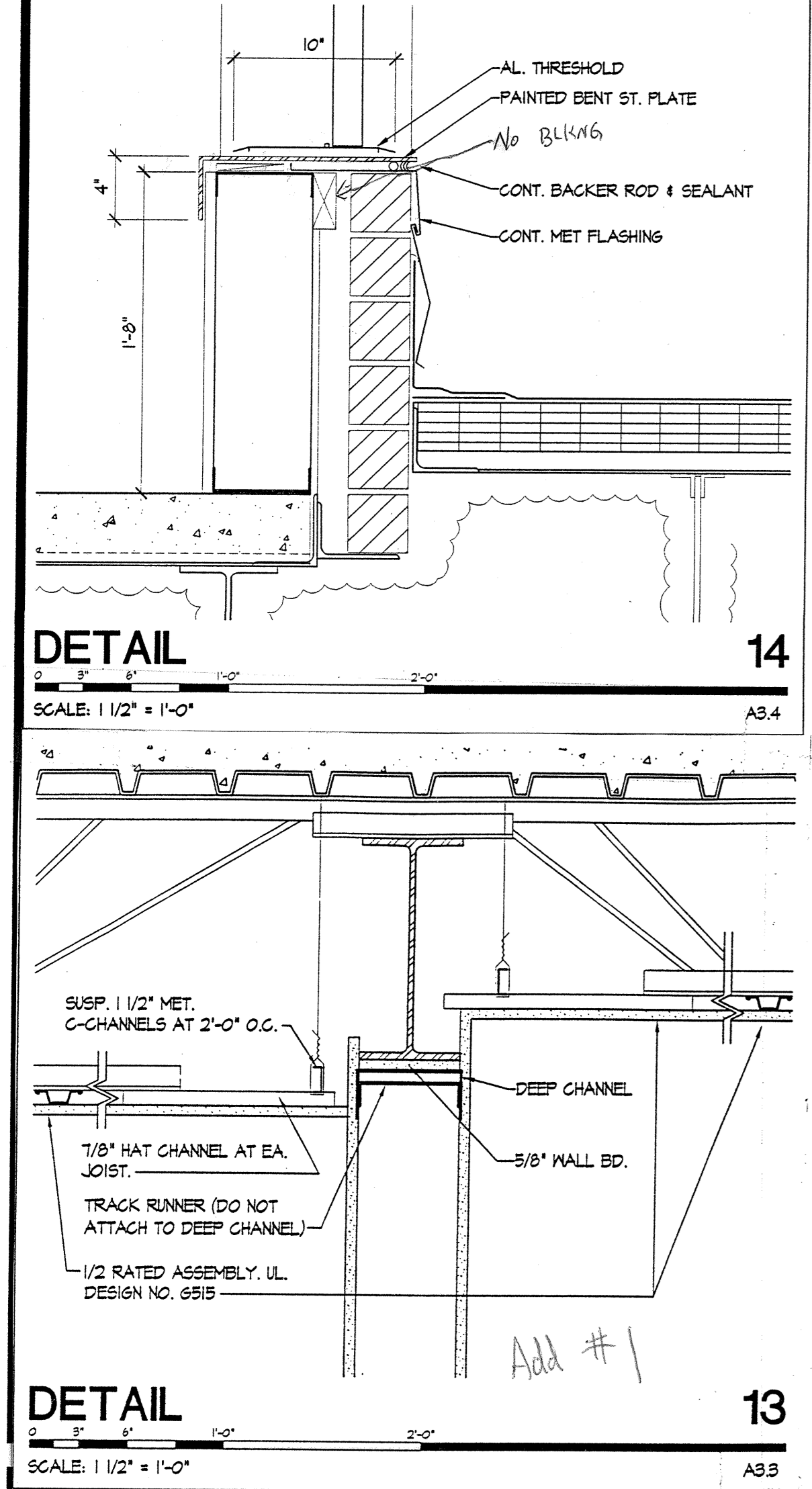
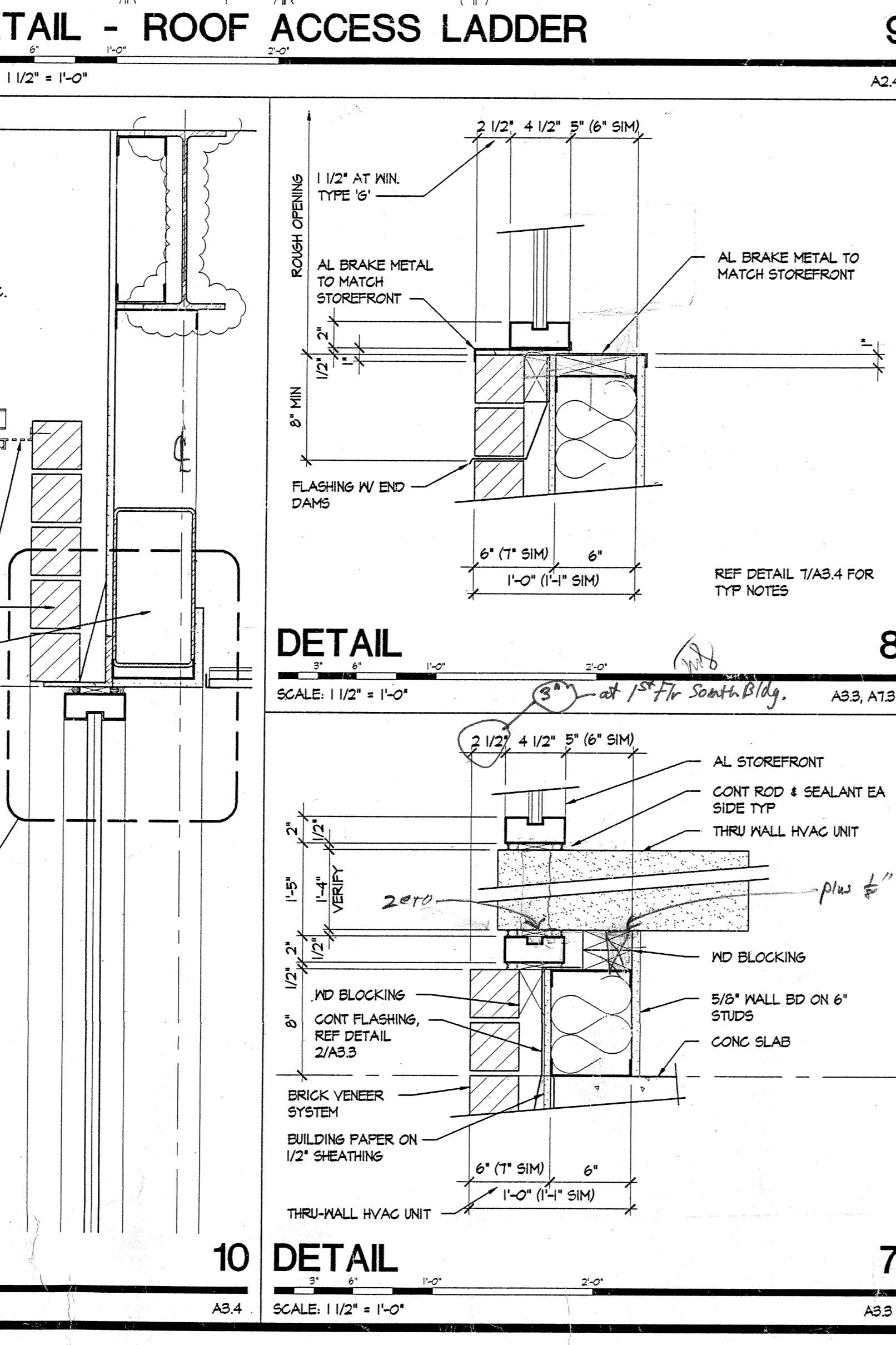
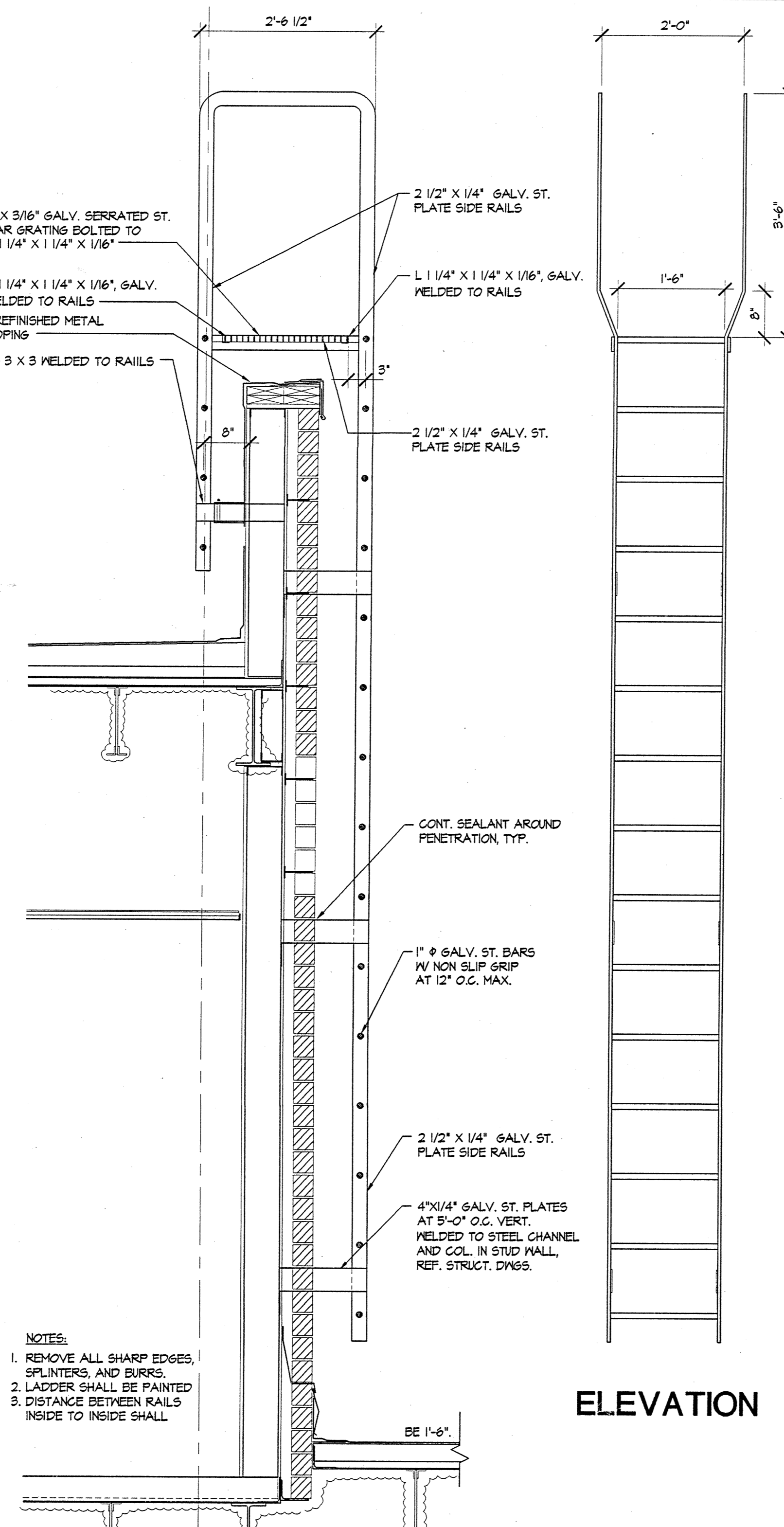
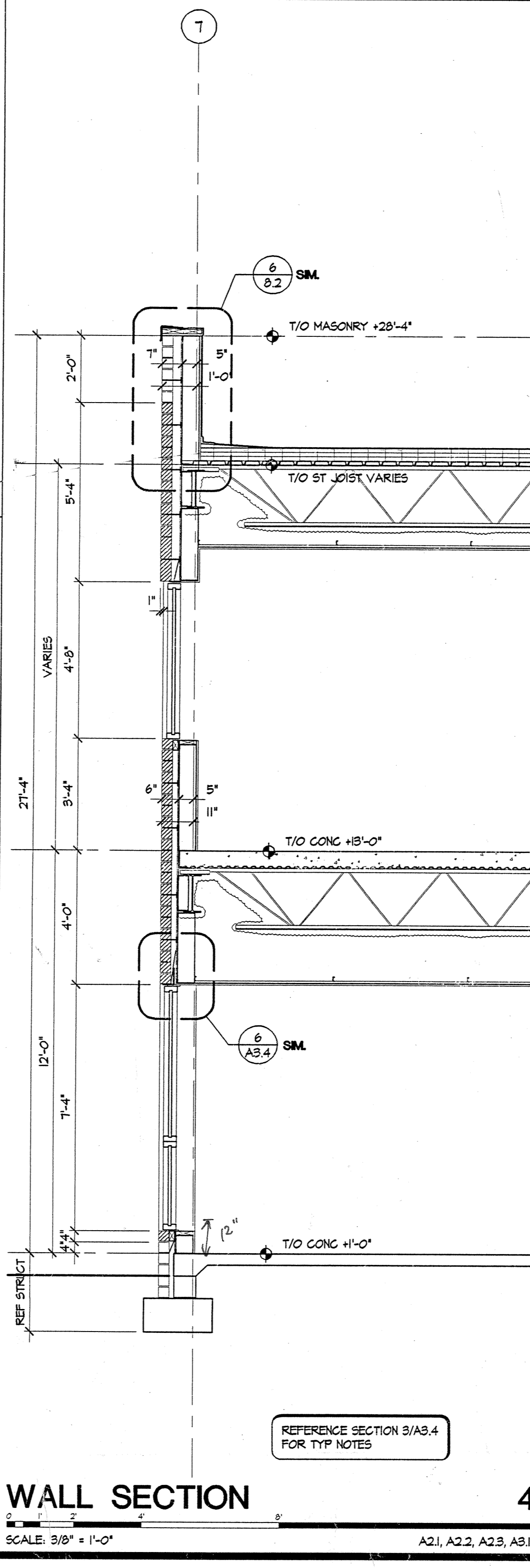
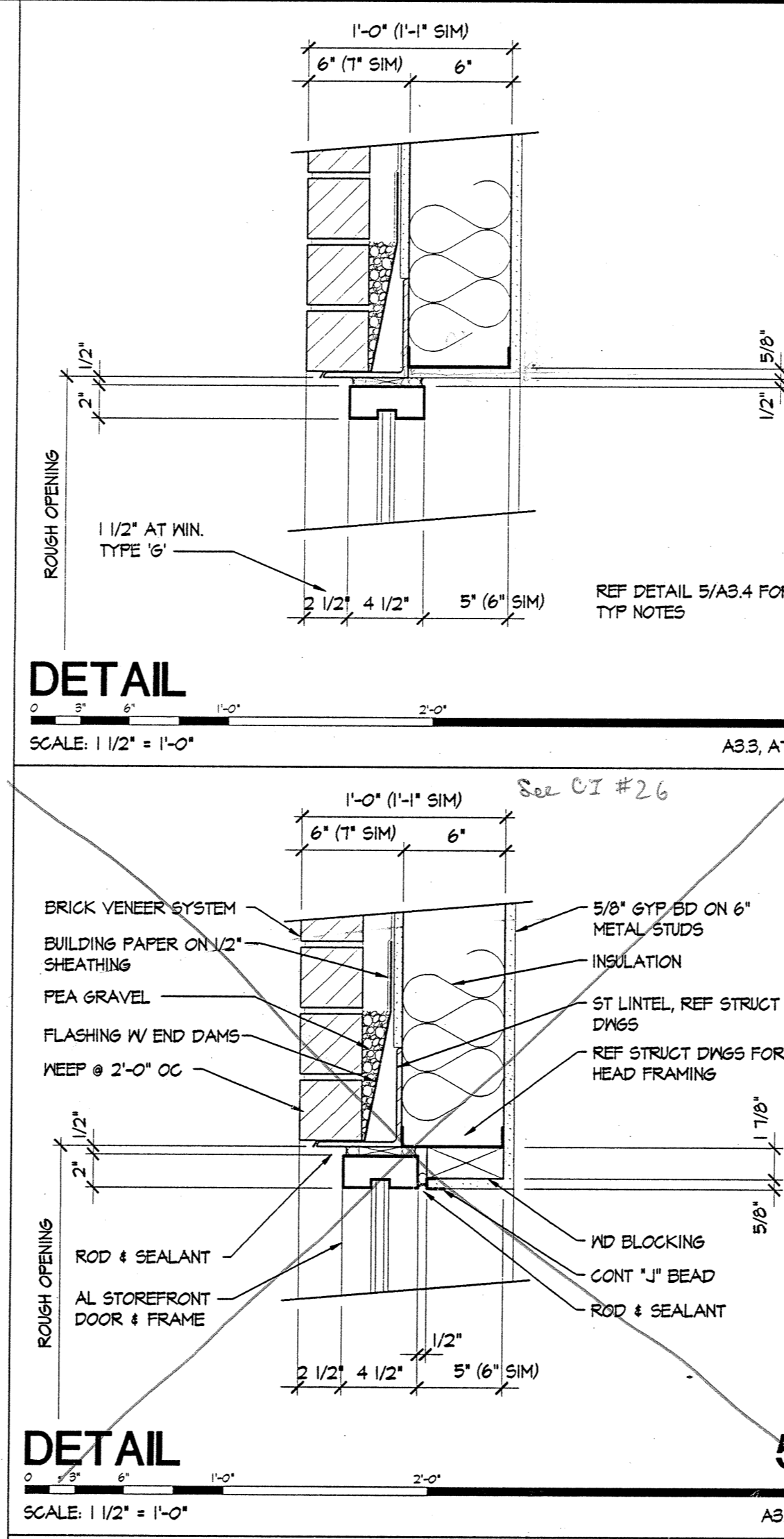
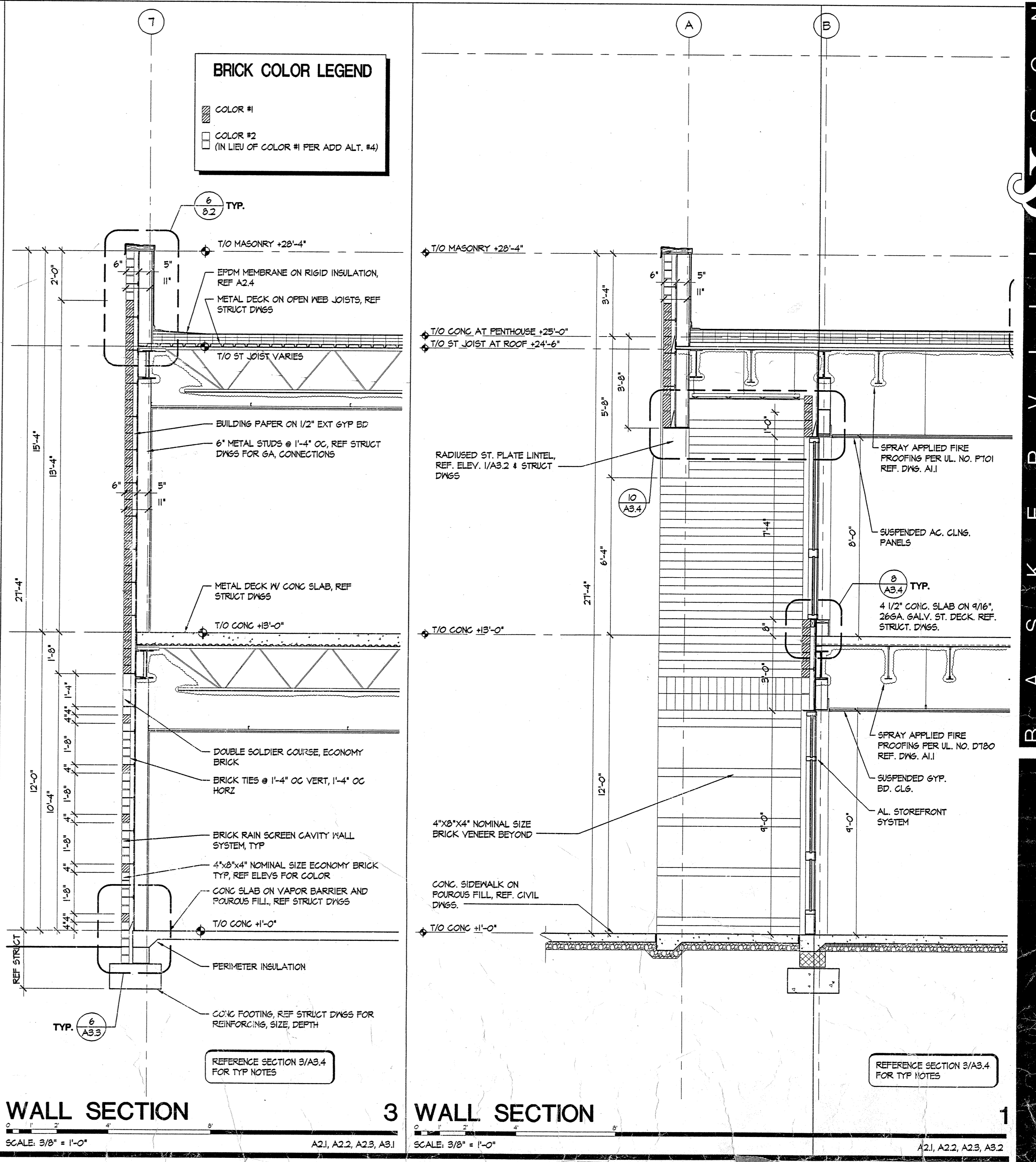
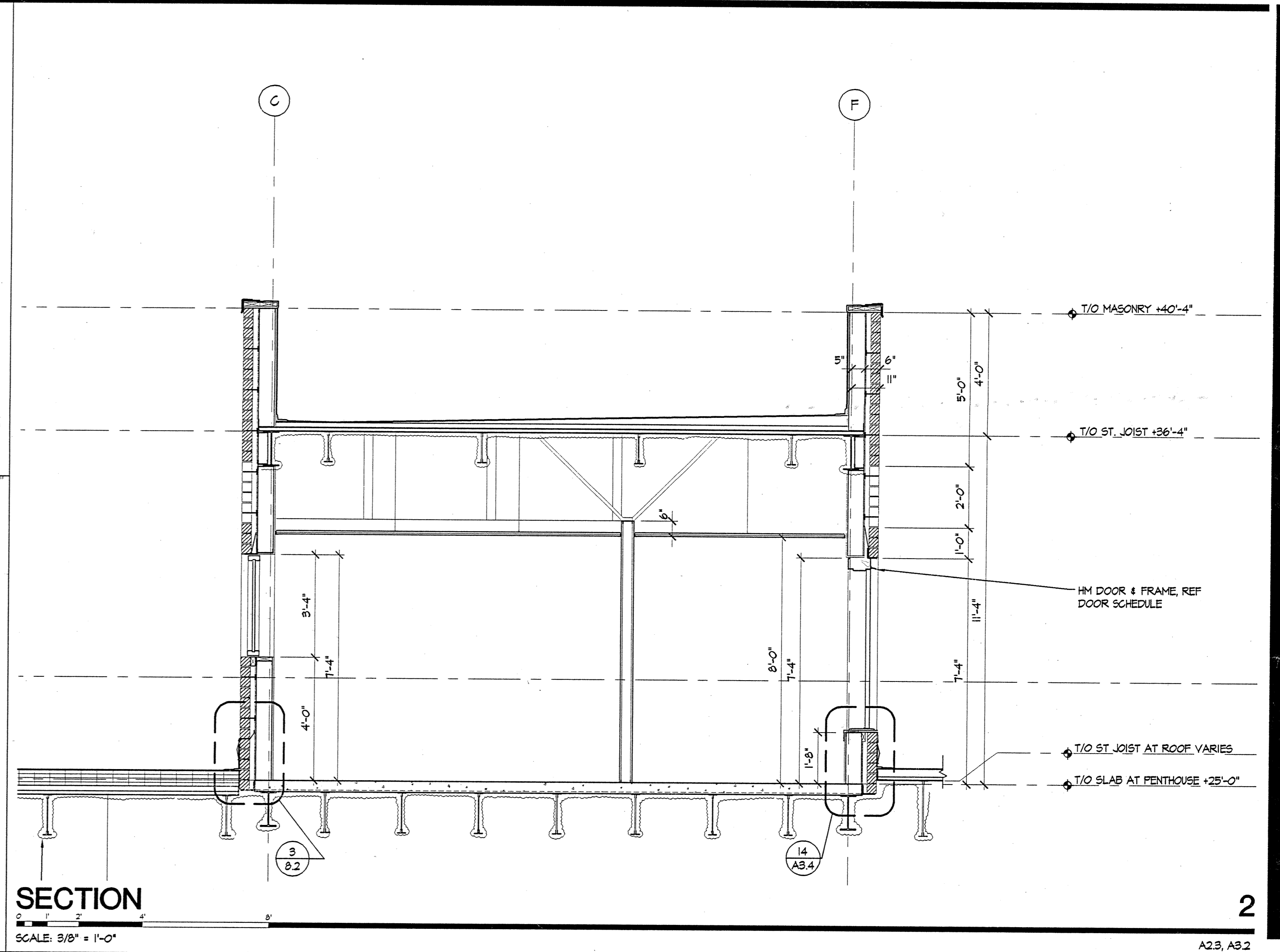
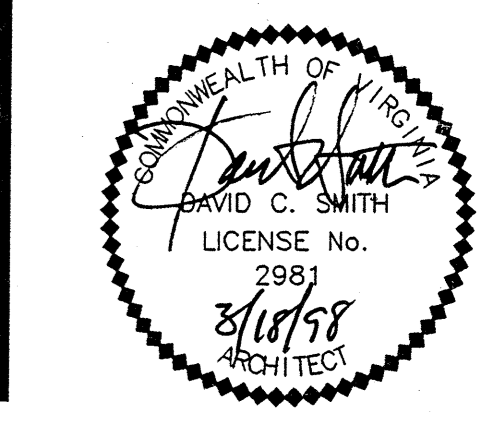
DATE  
**03/18/98**

REVISIONS

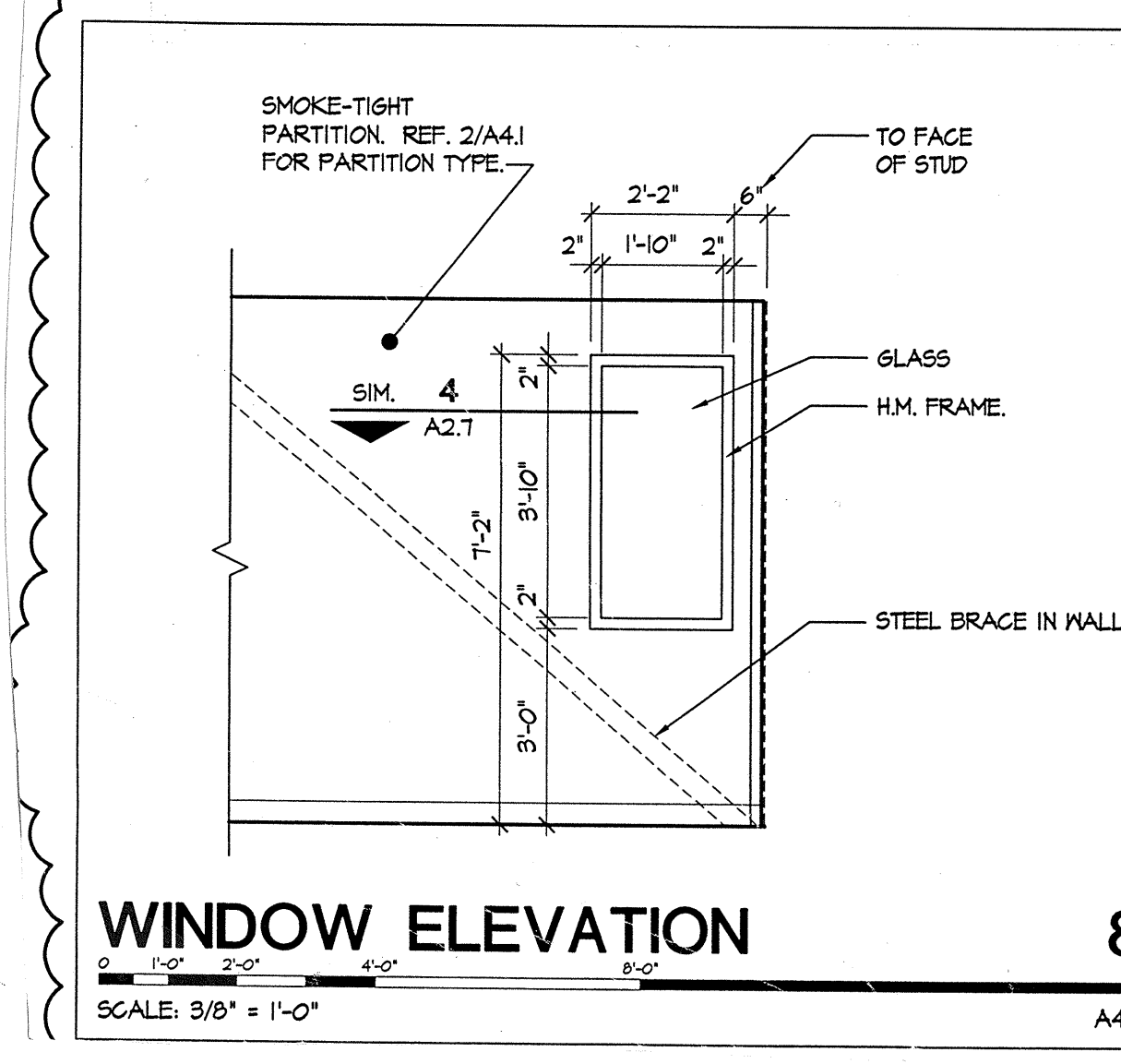
DRAWING NUMBER  
**97187**

A Rubicon, Inc. 97187 (ADD) ARCHITECTS 187A3.3 187-17-21 03/18/98 AM3

**A3.3**

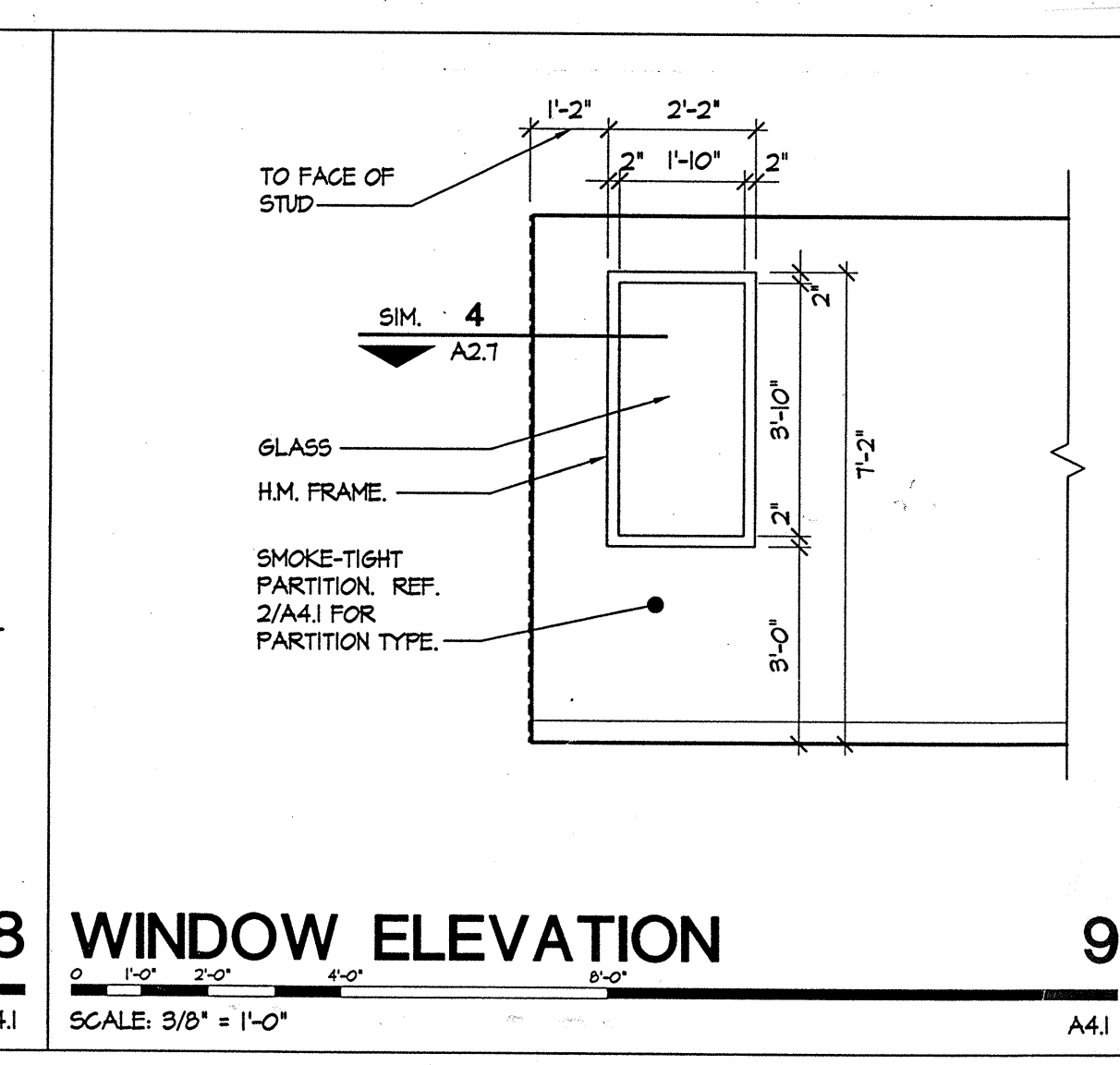


RUBICON, INC. 157167/CADD/ARCH/03/18/98/A3.4 16:23:17 03/18/98 AMJ3



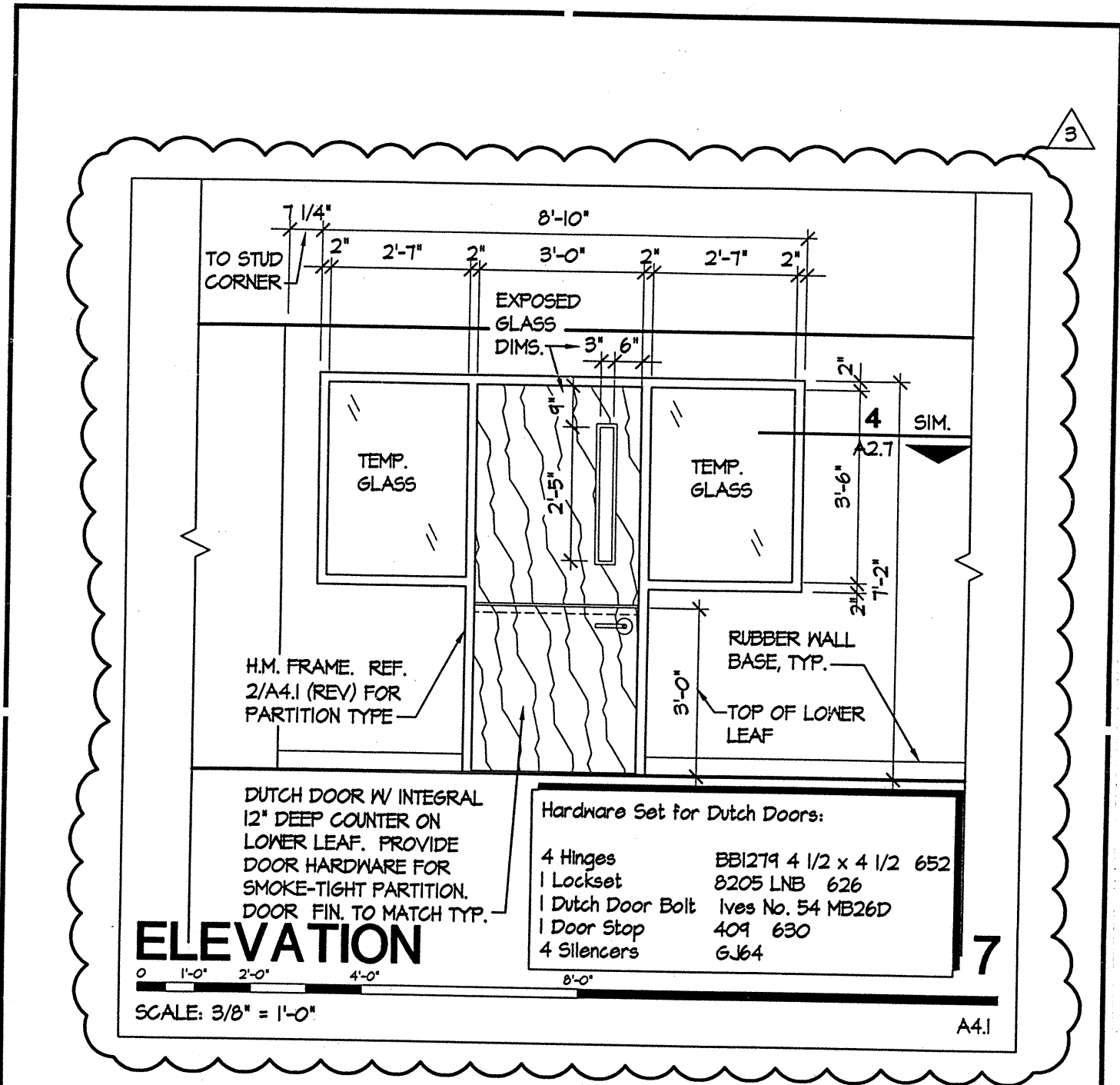
**WINDOW ELEVATION**

SCALE: 3/8" = 1'-0"



**8 WINDOW ELEVATION**

SCALE: 3/8" = 1'-0"



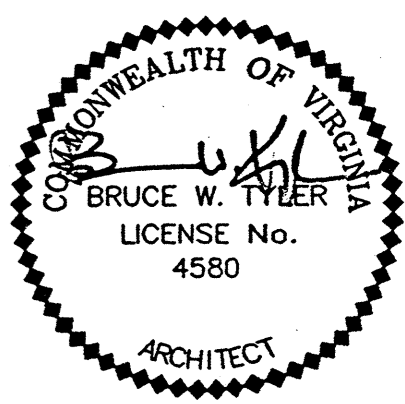
**ELEVATION**

SCALE: 3/8" = 1'-0"

**PARTIAL DWG. A2.5**

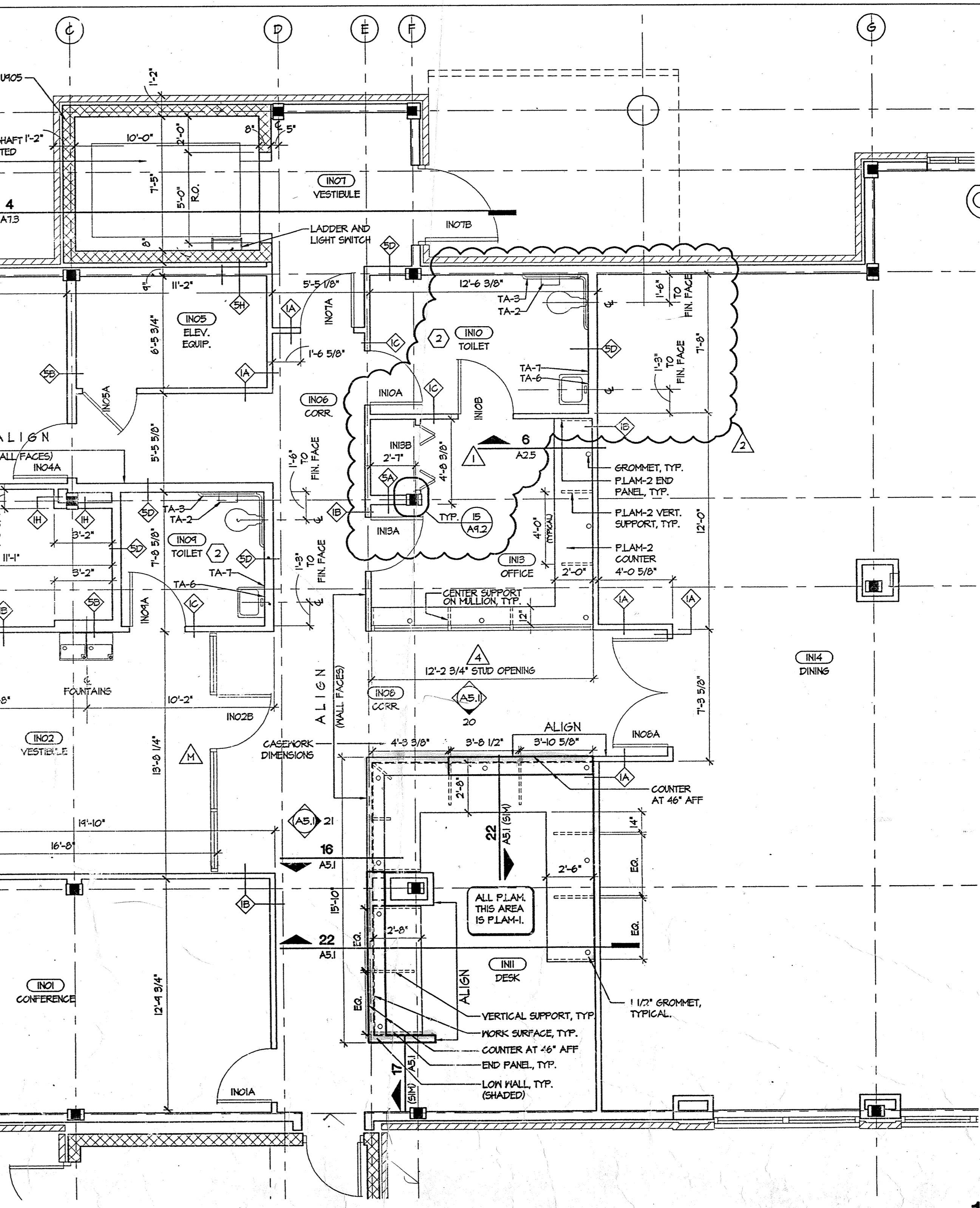
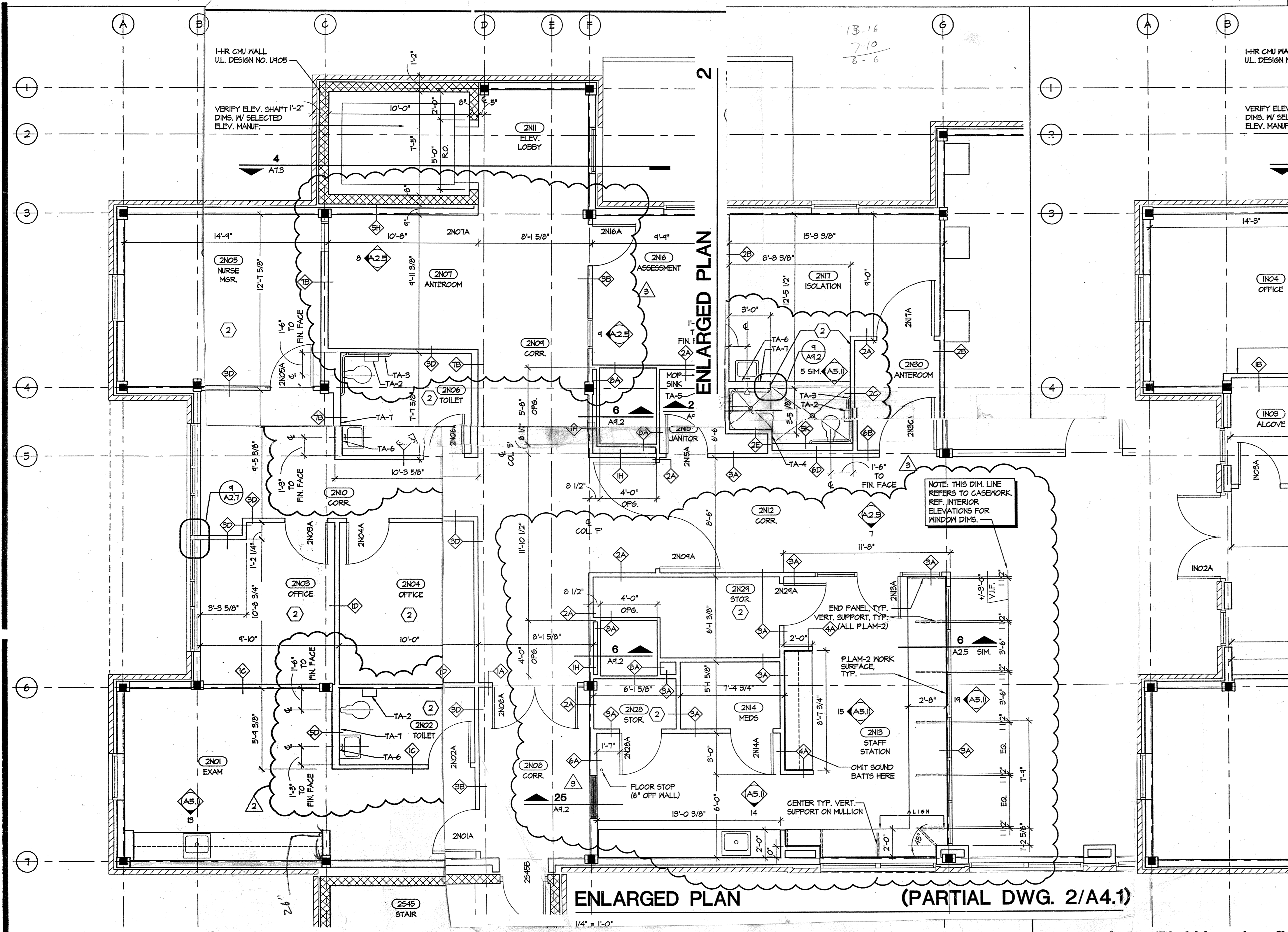
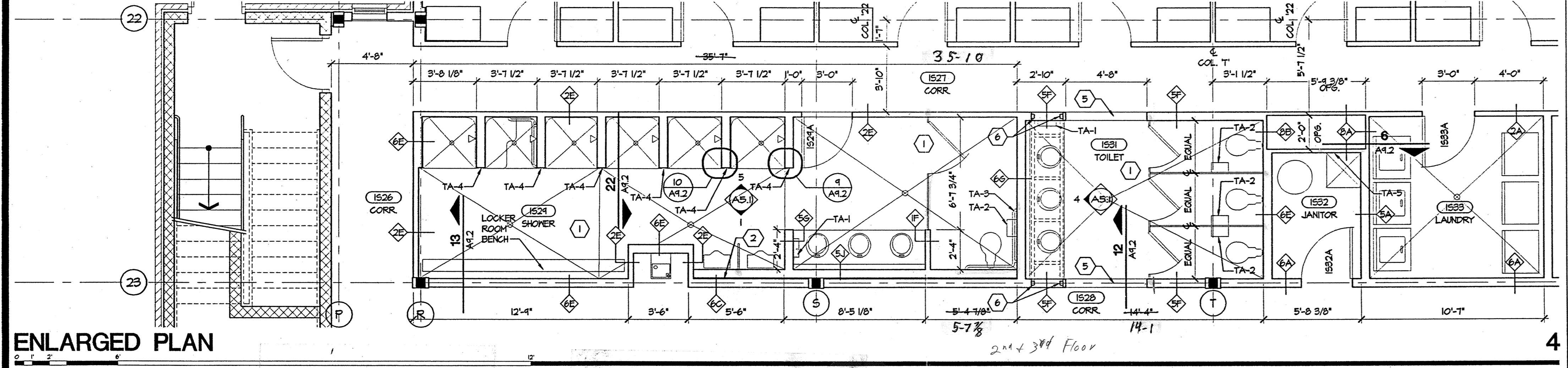
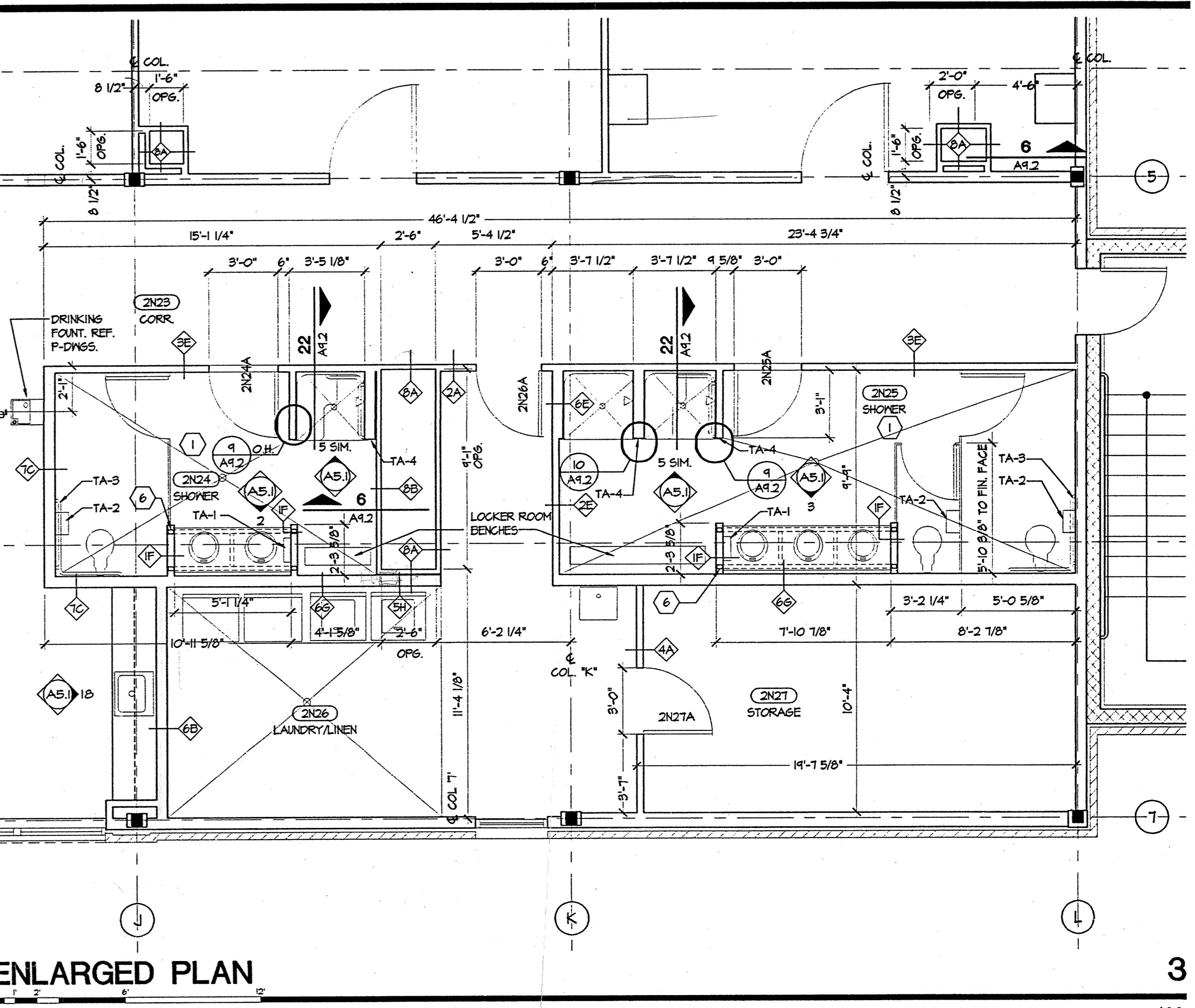
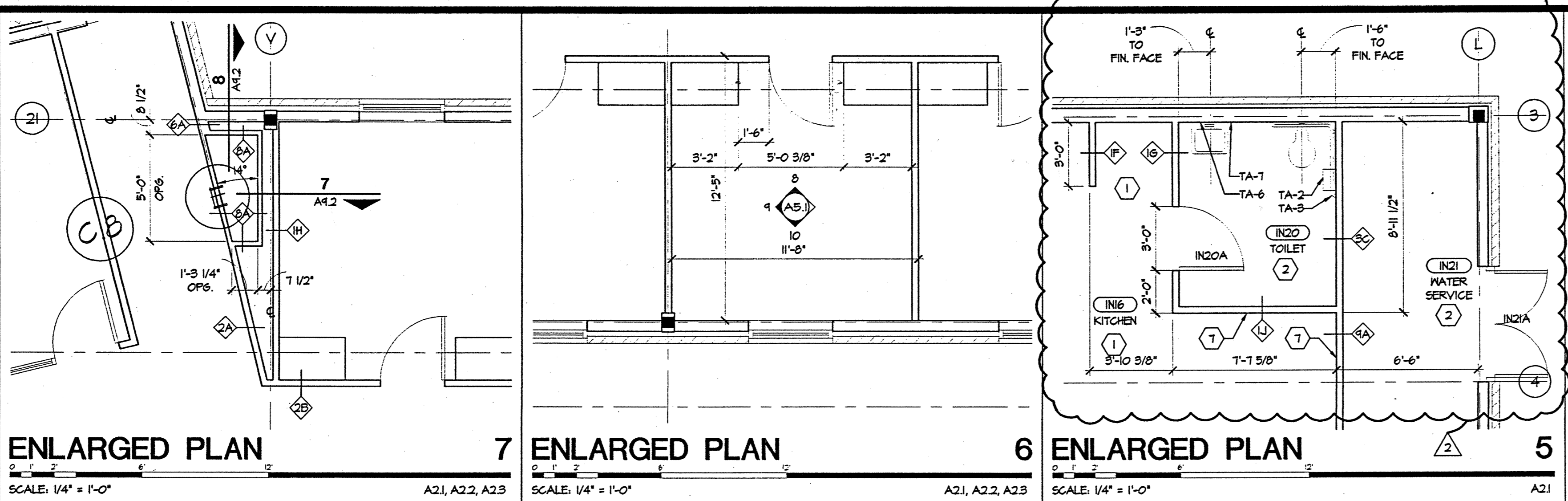
STL. DET. NO. :  
NOTES :

- DUTCH DOOR W/ INTEGRAL 1 1/2" DEEP COUNTER ON LOWER LEAF. PROVIDE DOOR HARDWARE FOR SMOKE-TIGHT PARTITION. DOOR FIN TO MATCH TYP.
- Hardware Set for Dutch Doors:  
 4 Hinges BB274 4 1/2 x 4 1/2 652  
 1 Lockset 8205 LNB 636  
 1 Dutch Door Bolt Ives No. 54 MB26D  
 1 Door Stop 404 630  
 4 Silencers 634



**B A S K E R V I L L S O N**

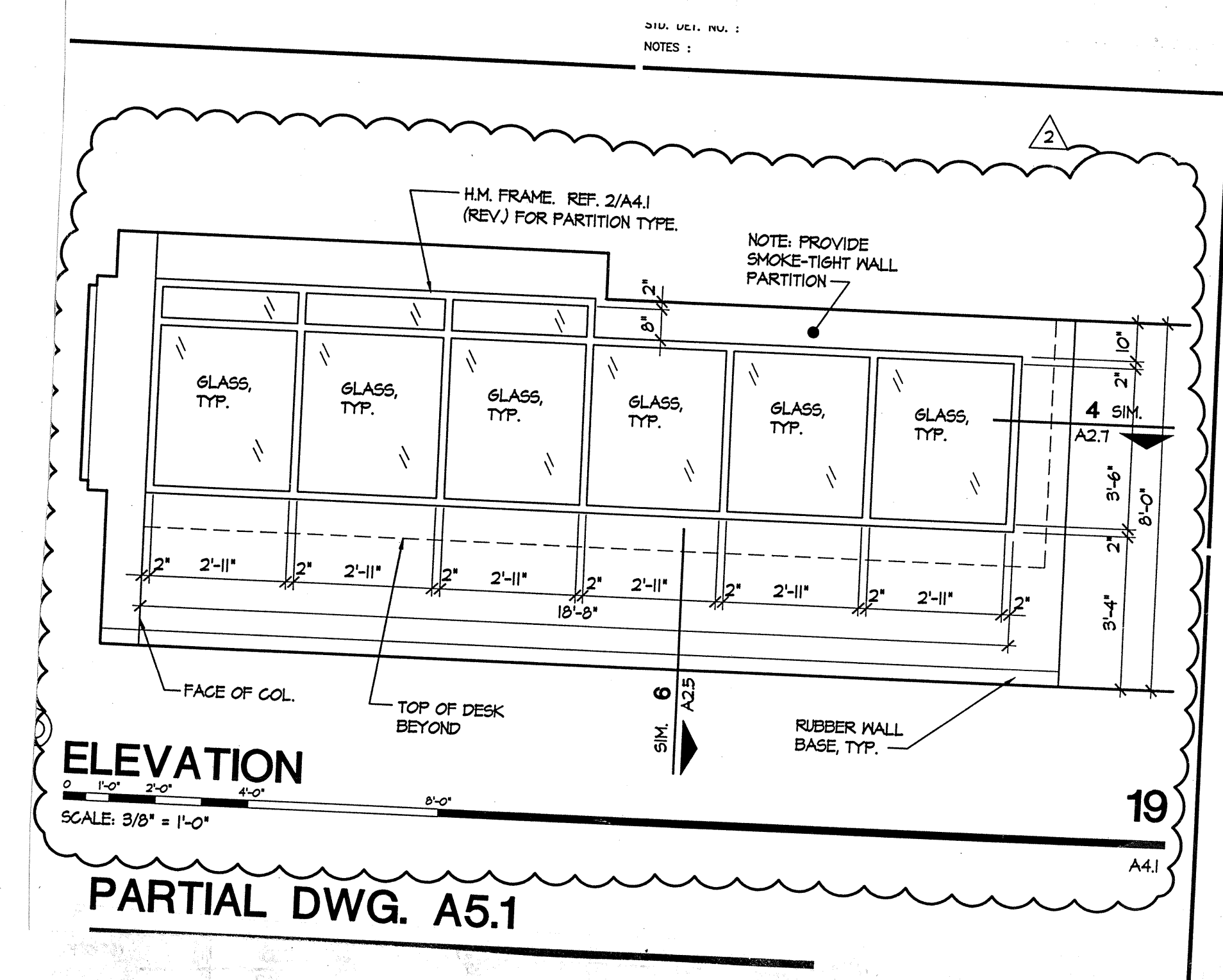
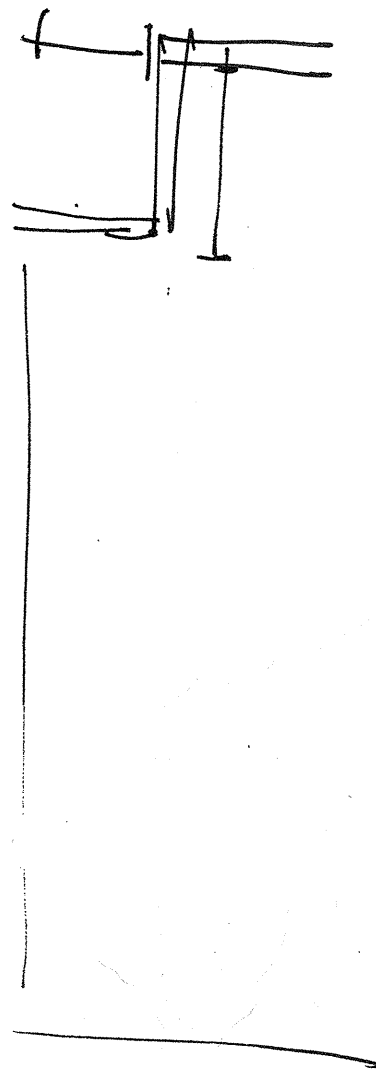
- PLAN NOTES**
- INSTALL CEMENT BOARD THIS LOCATION.
  - INSTALL GYP. BD. THIS LOCATION.
  - DO NOT INSTALL MALL BOARD ON THIS FACE OF WALL.
  - (NOT USED THIS SHEET)
  - 7'-0" HT. CASED OPNS. W/ HM. FRAME (REF. FRAME TYPE T, DWS, A2.6).
  - 3" x 2" x 1/4" T.S. COL. AS SUPPORT FOR LAVATORY COUNTER (REF. DETAIL 23/A4.2). FASTEN TYP. MALL STD. TO EA. T.S. COL.
  - FINISH NOT REQUIRED THIS FACE OF WALL.
- NOTE: REF. SHEET A51 FOR TOILET ACCESSORY SCHEDULE

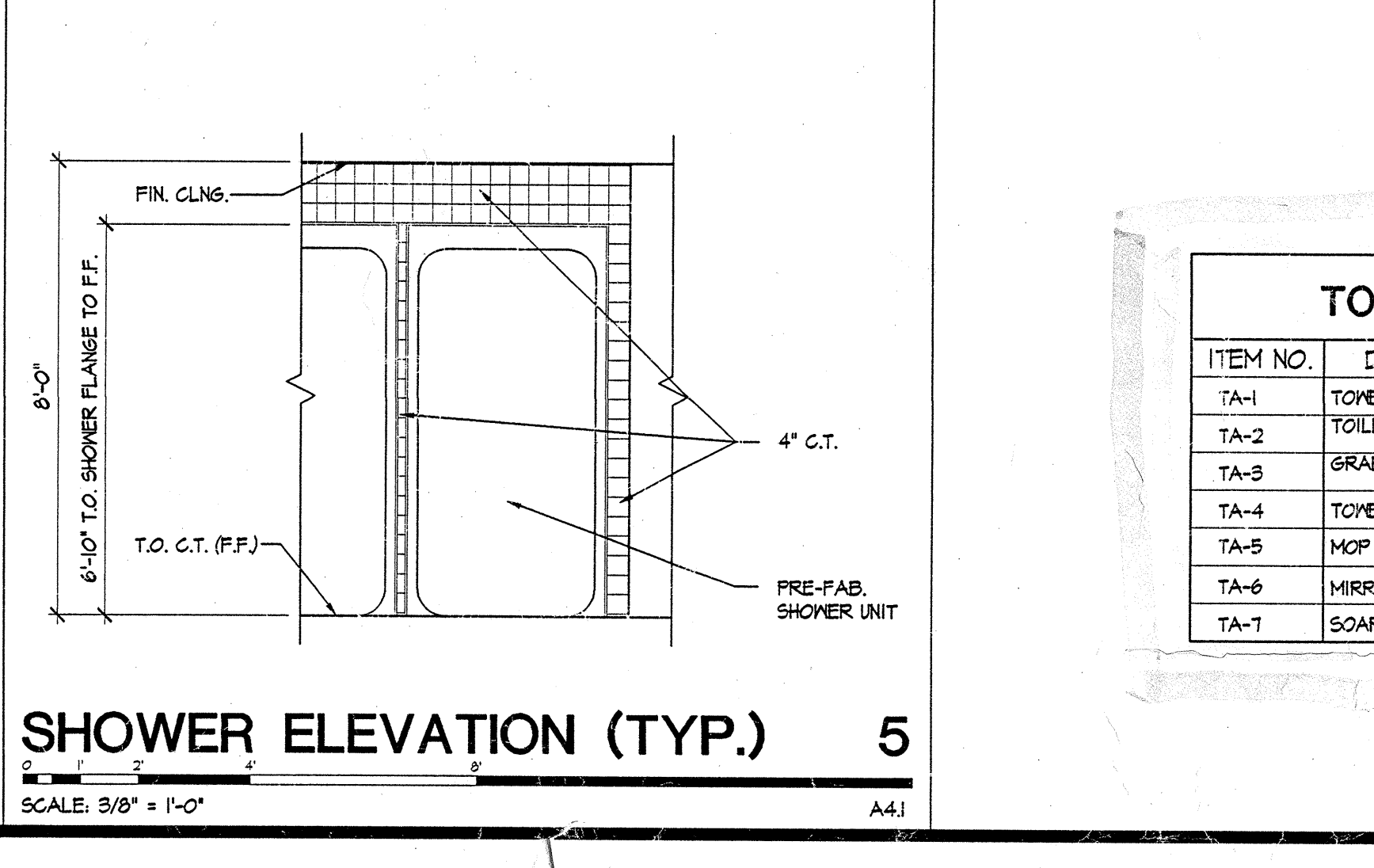
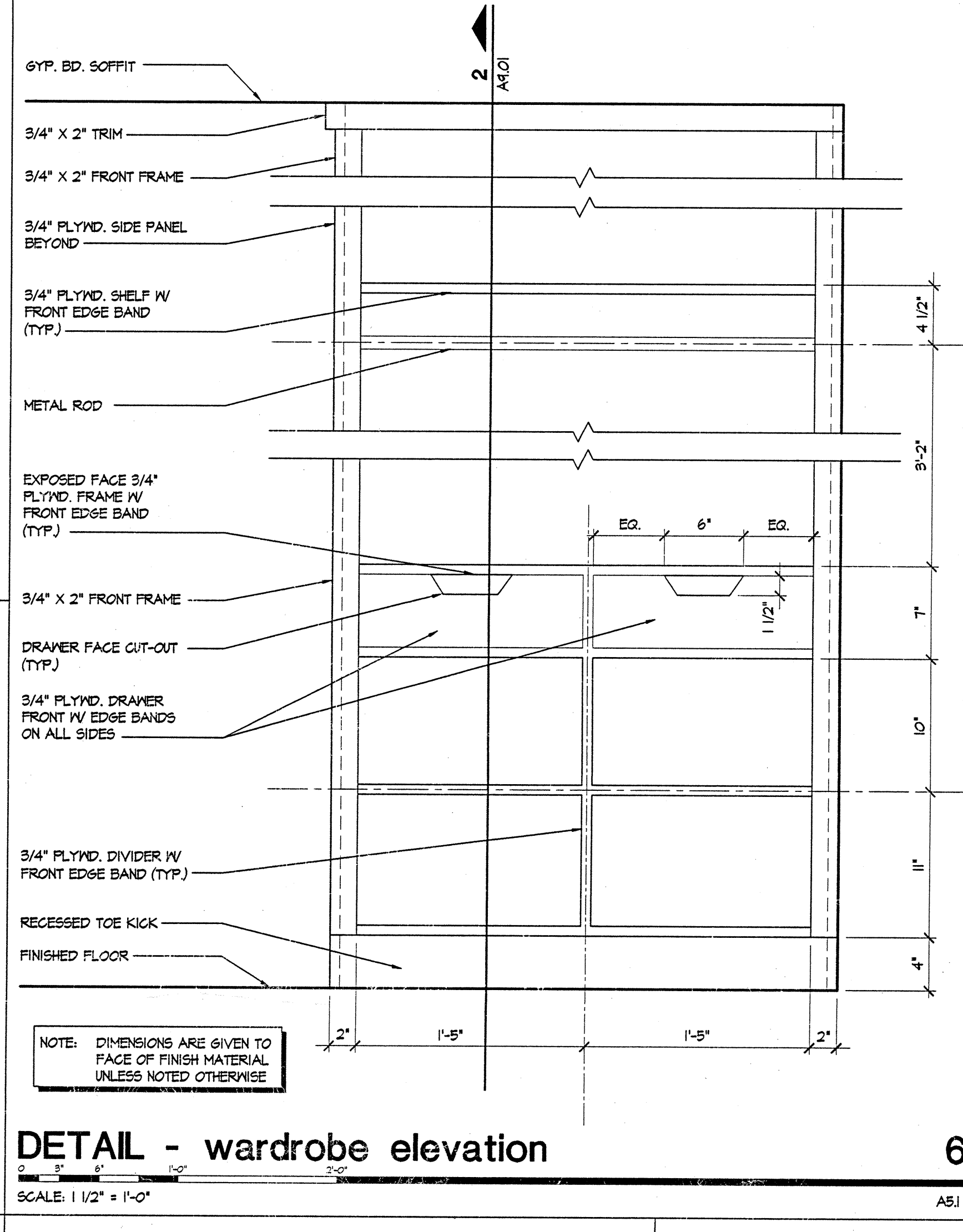
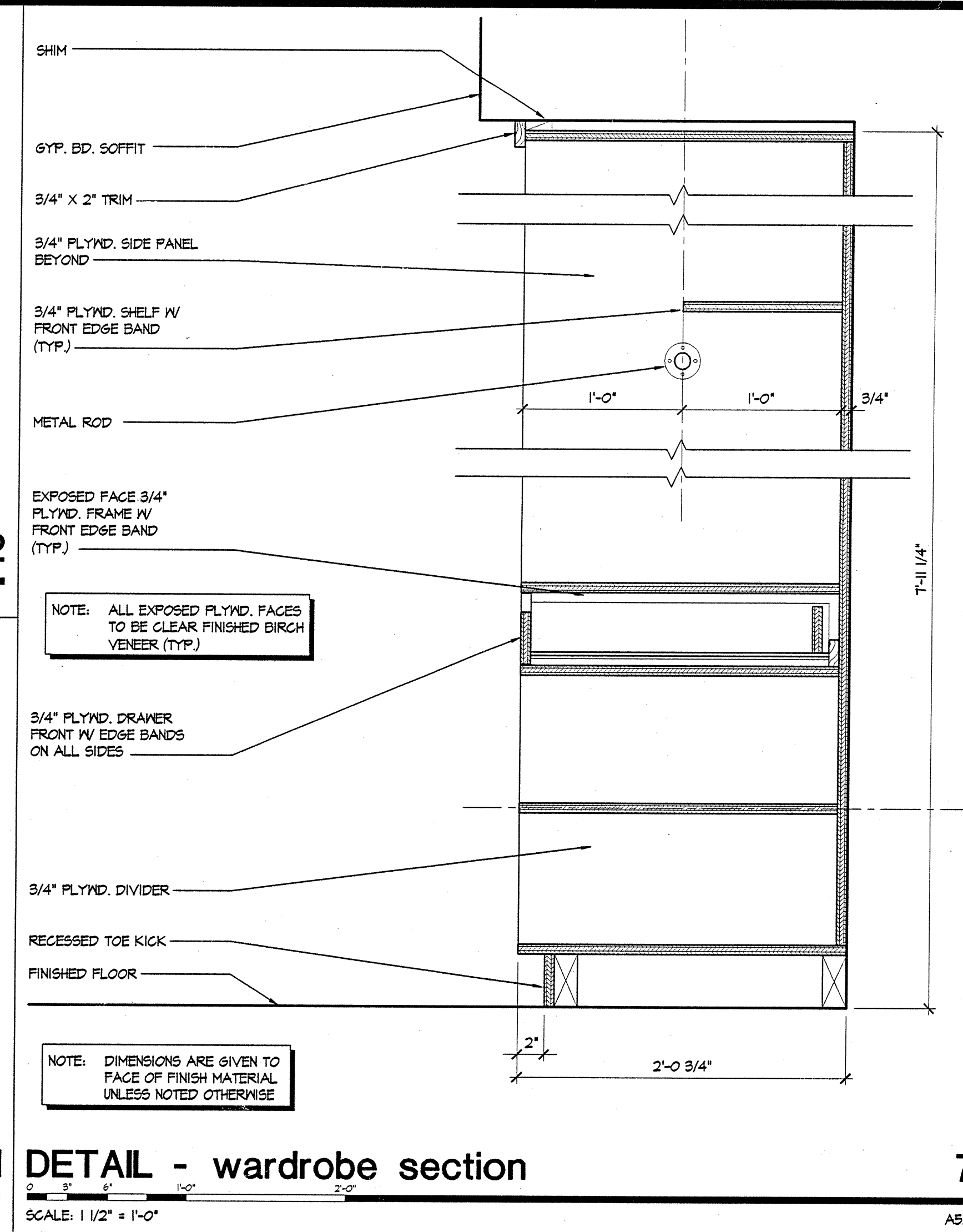
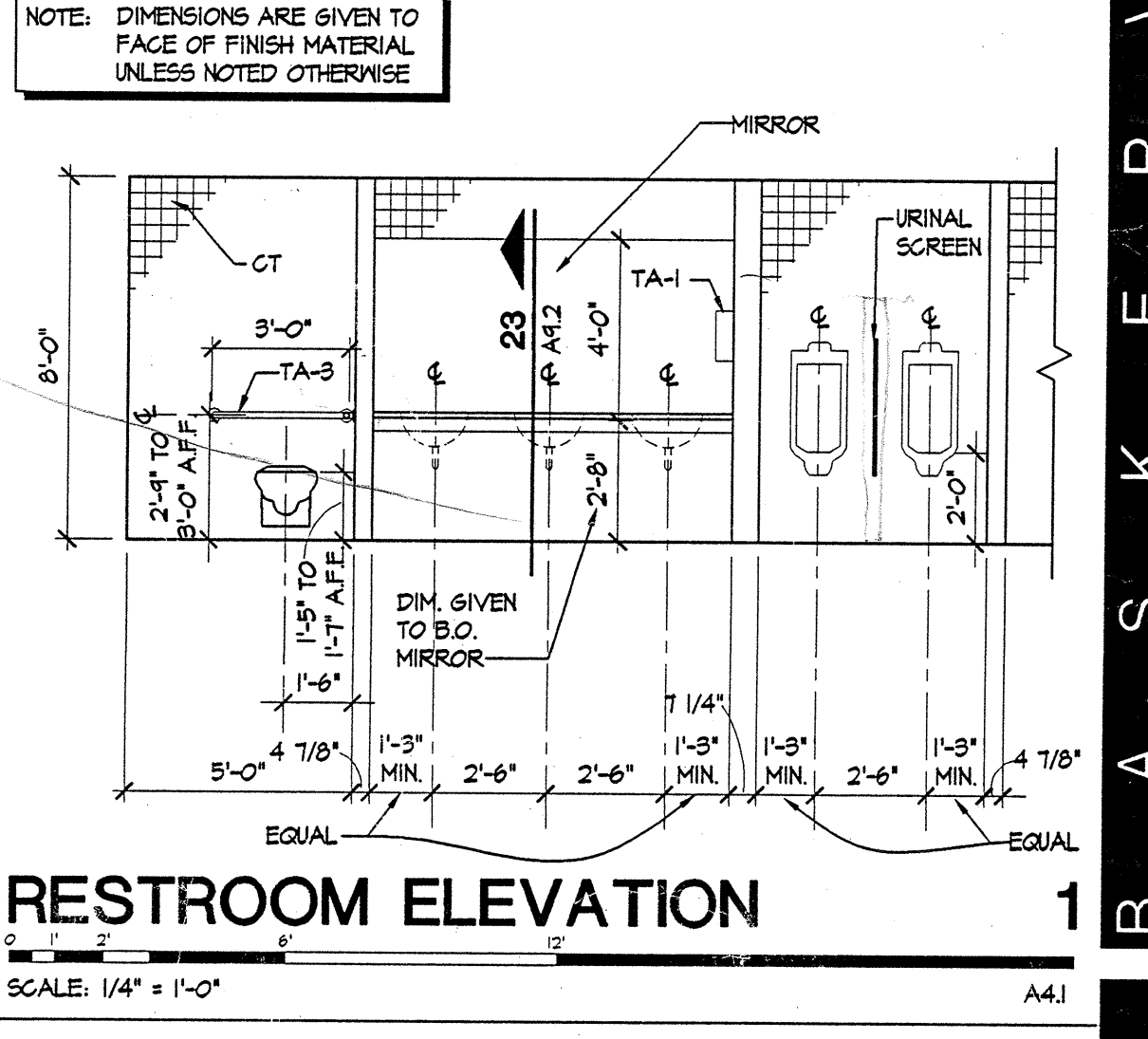
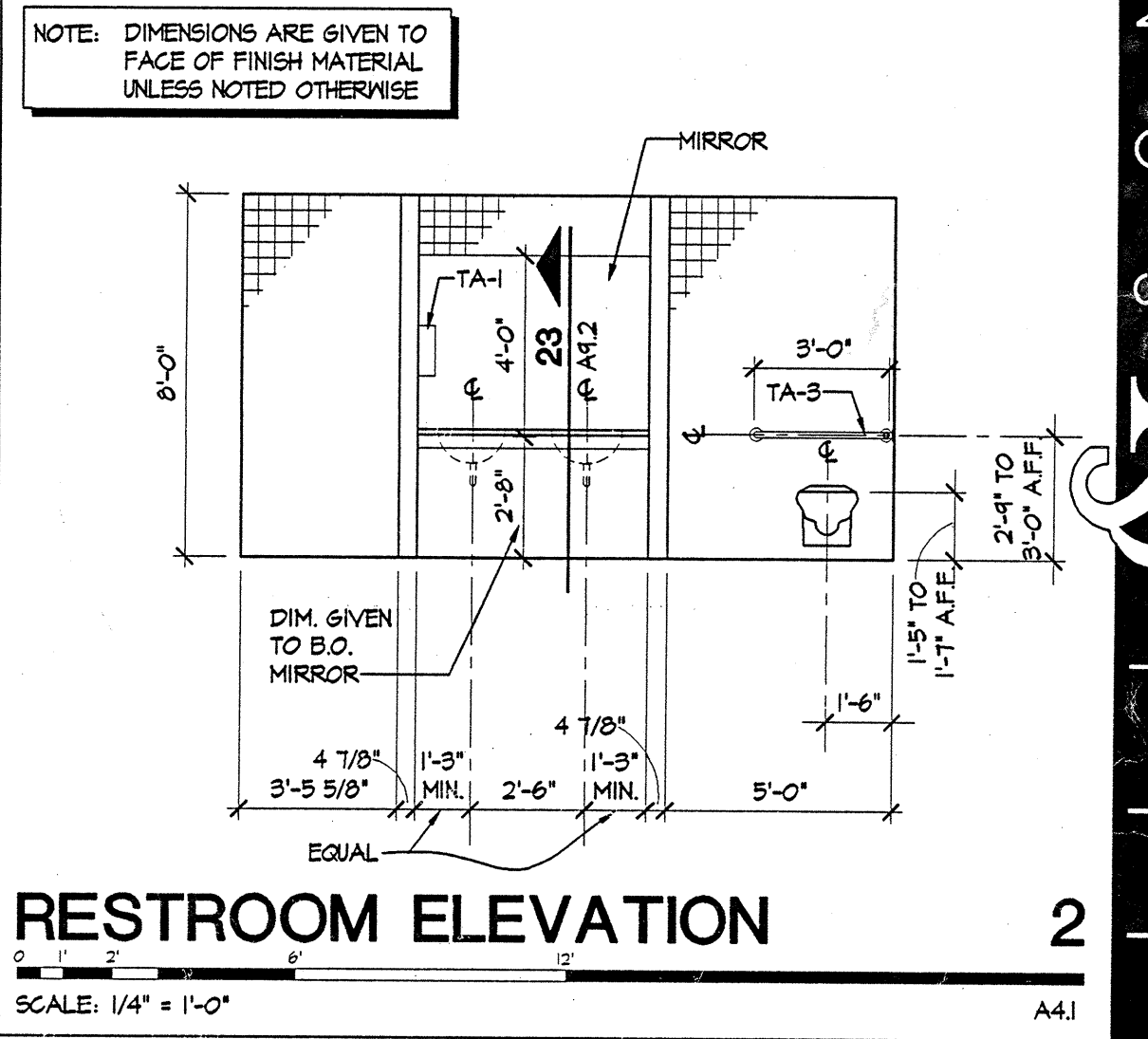
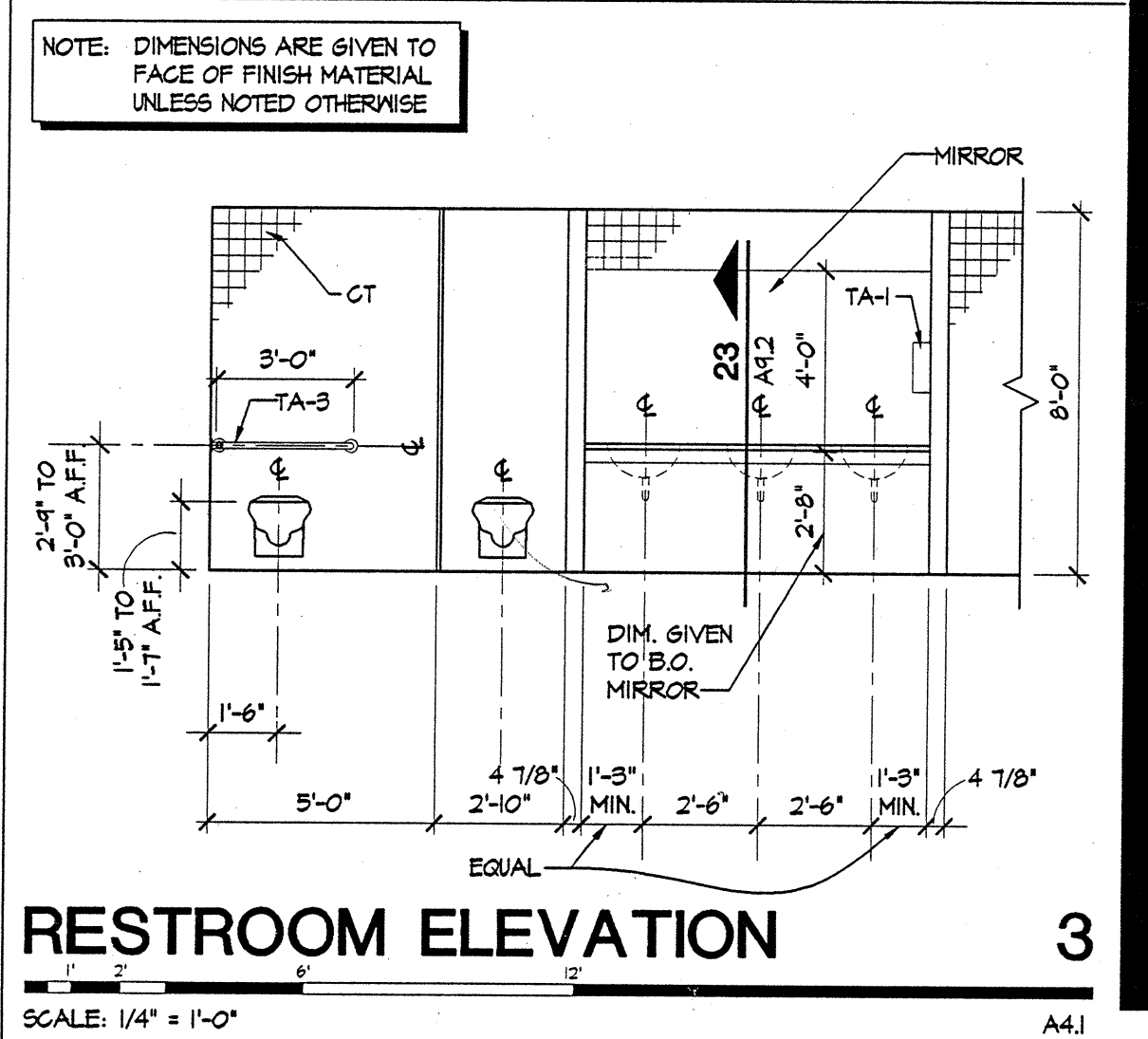
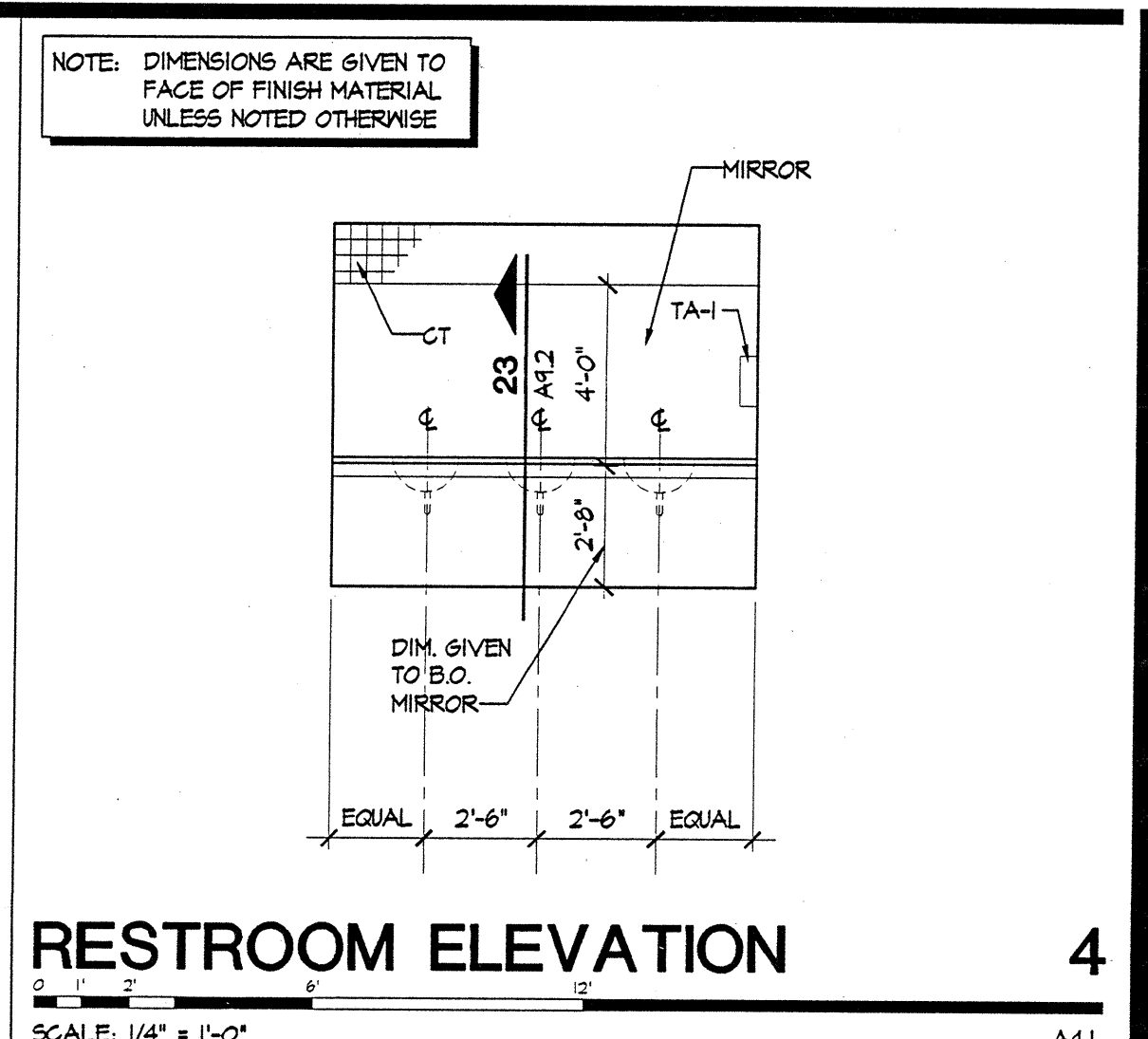
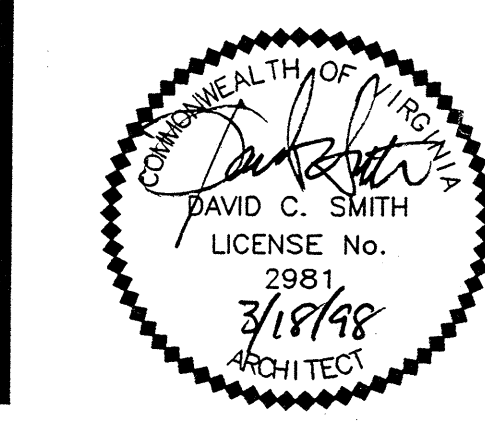


**ENLARGED PLAN - 2nd floor**  
SCALE: 1/4" = 1'-0"

**ENLARGED PLAN - 1st floor**  
SCALE: 1/4" = 1'-0"

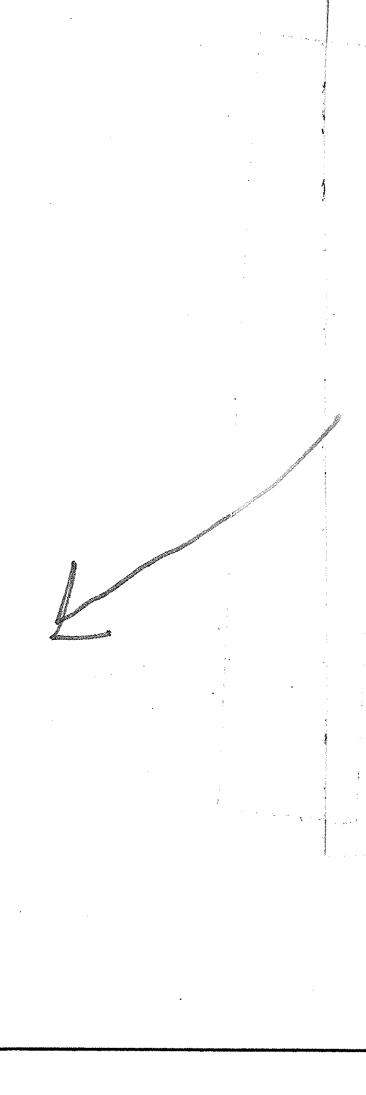
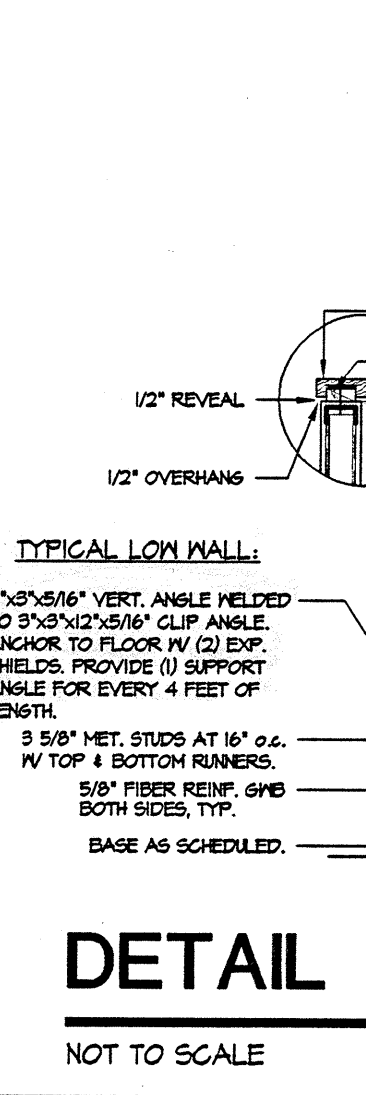
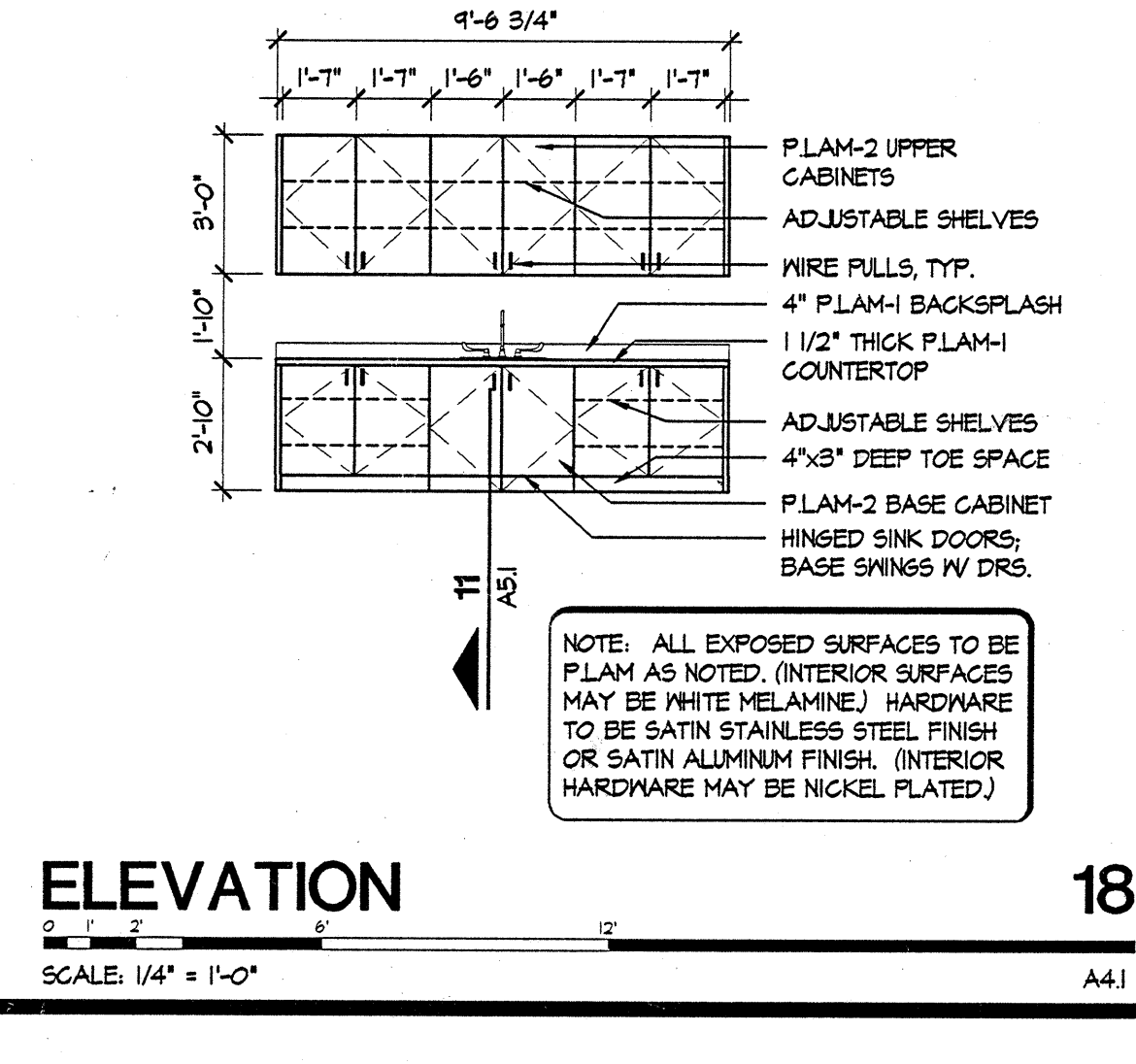
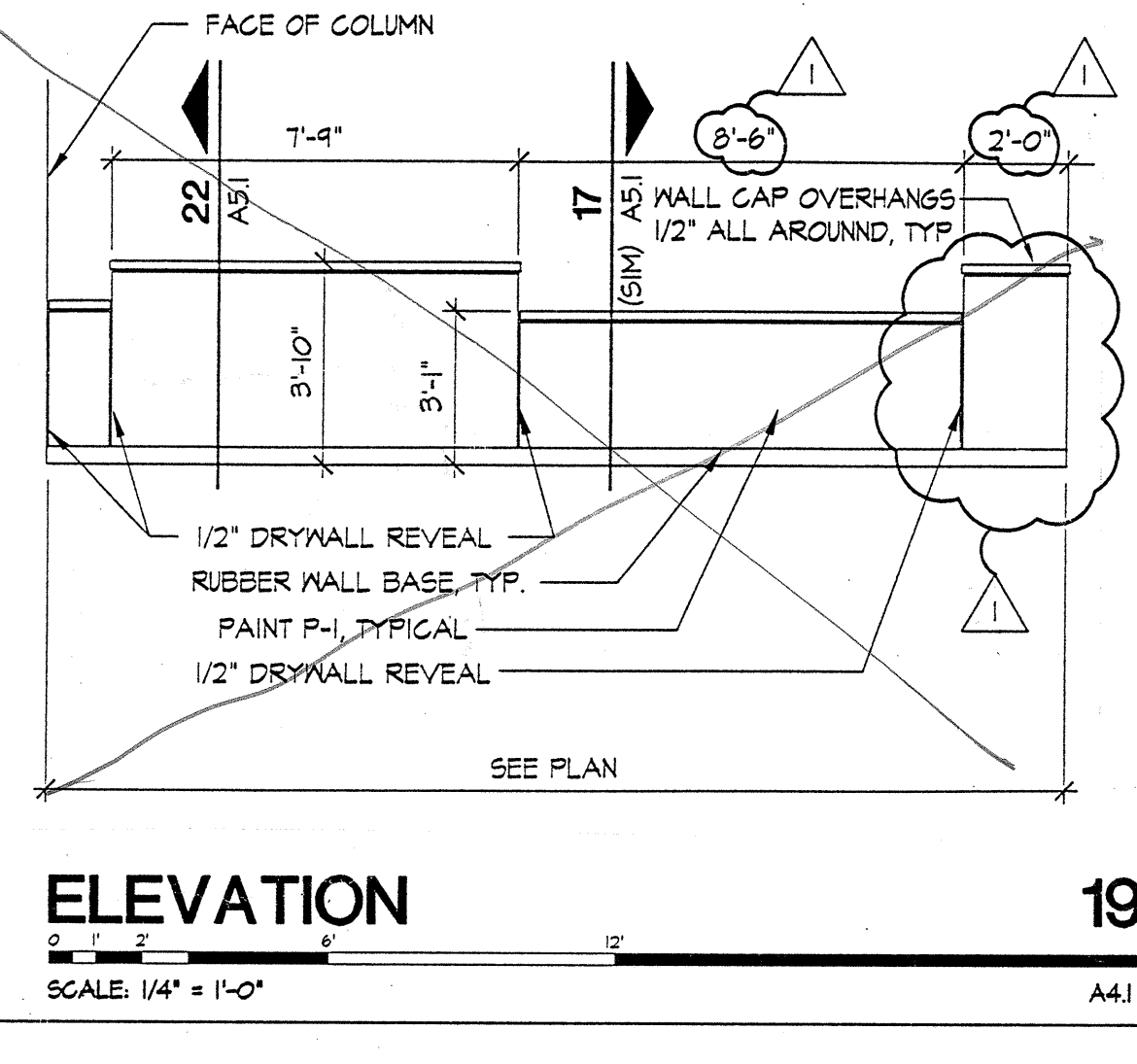
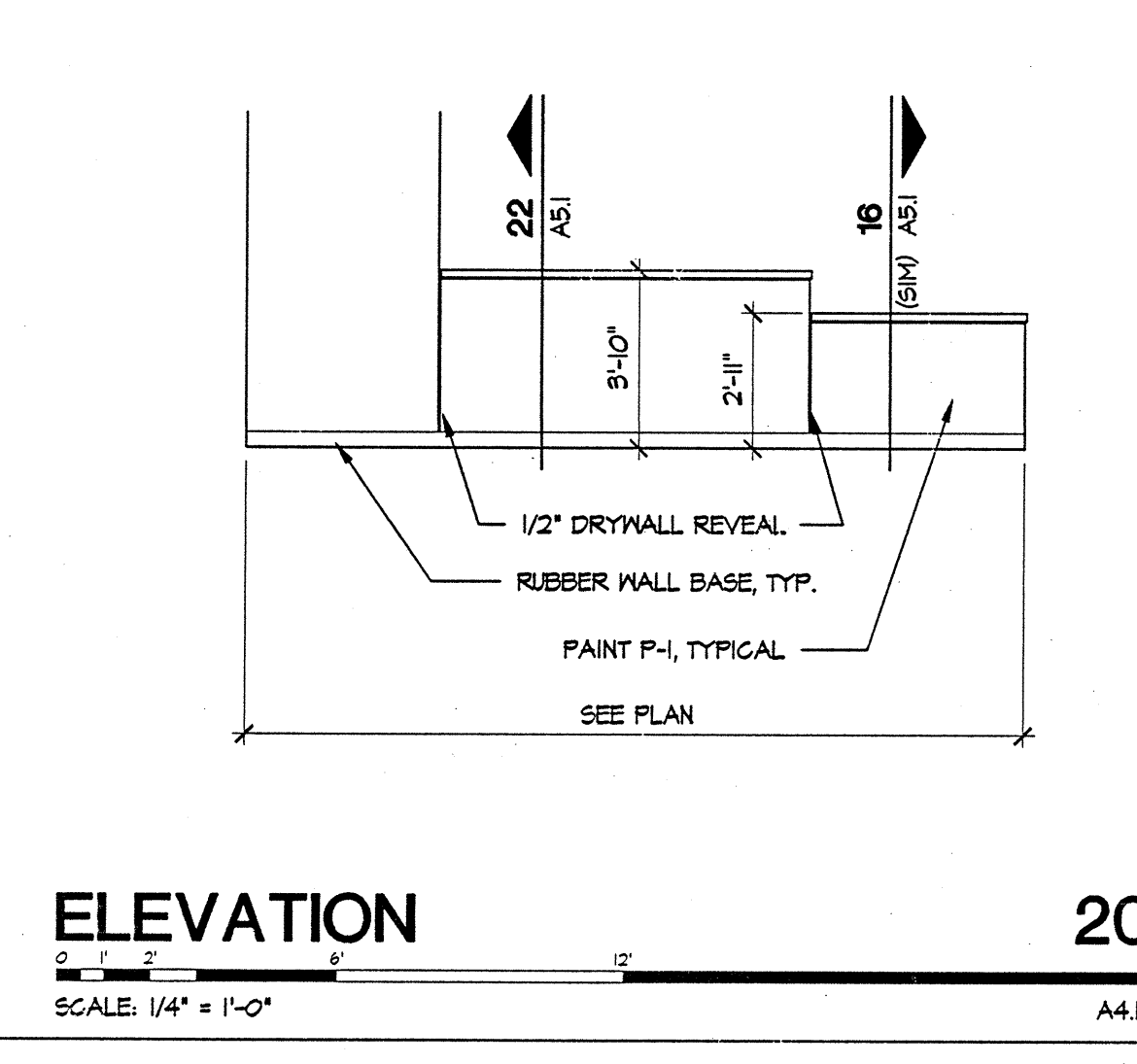
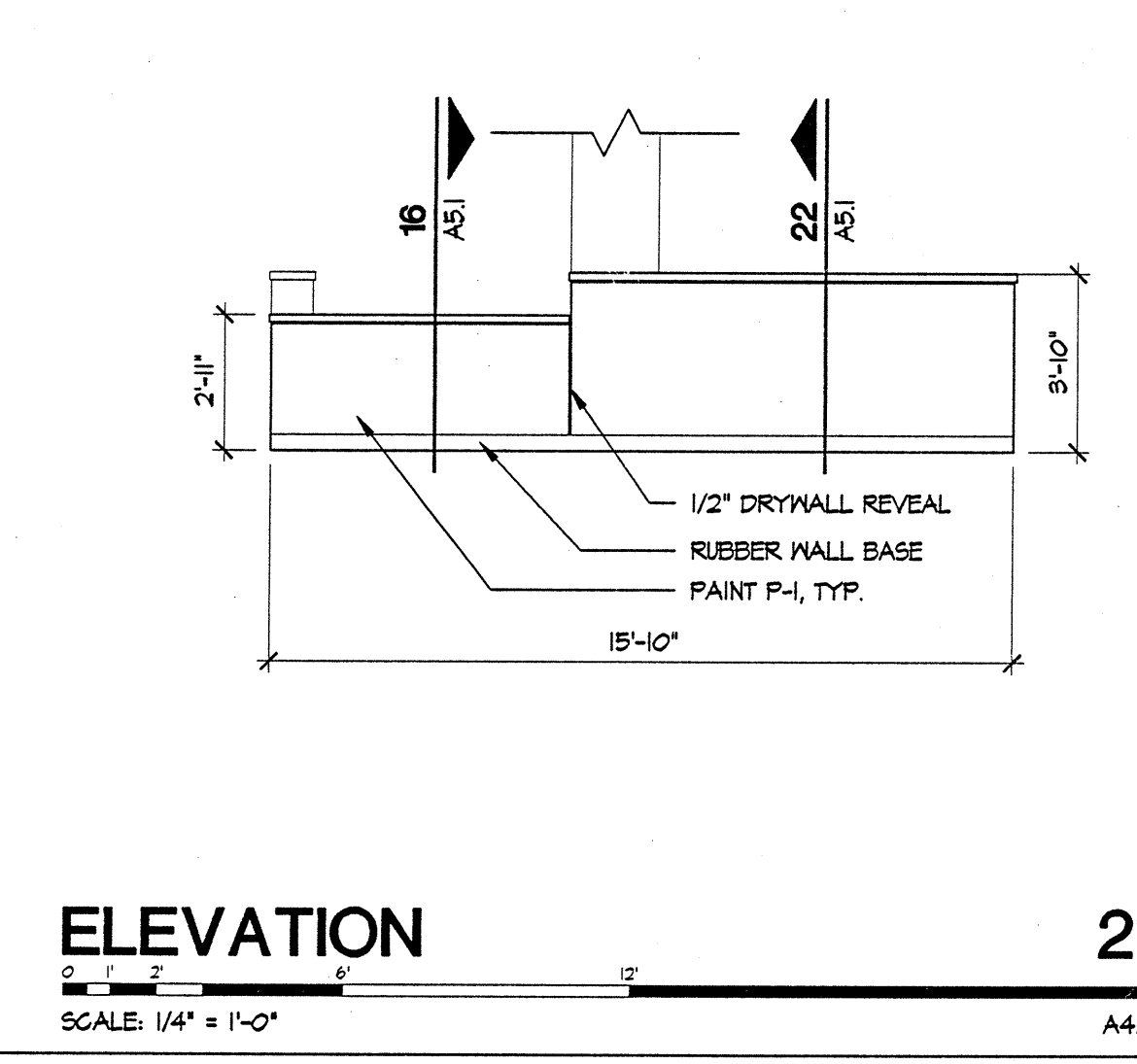
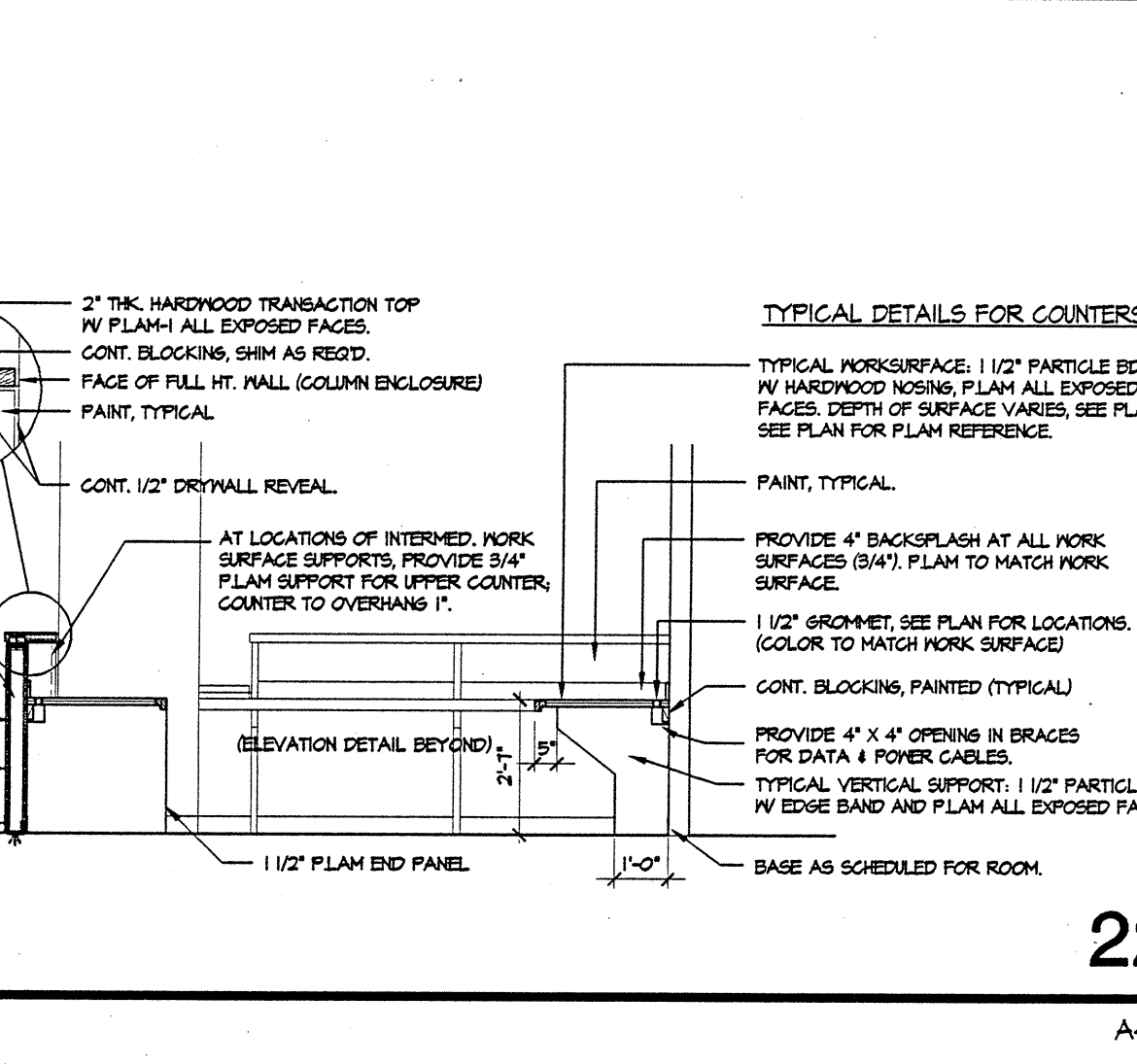
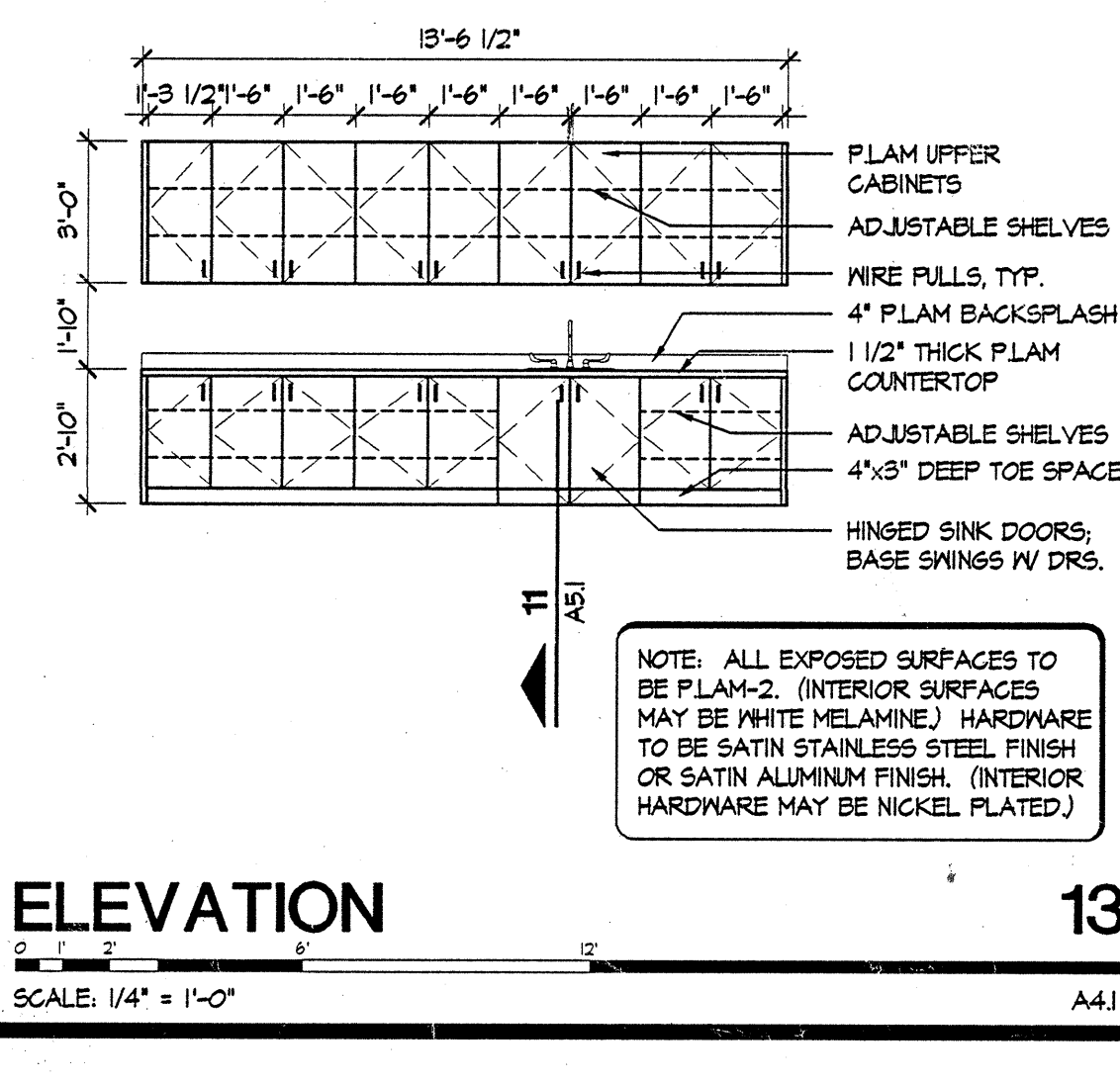
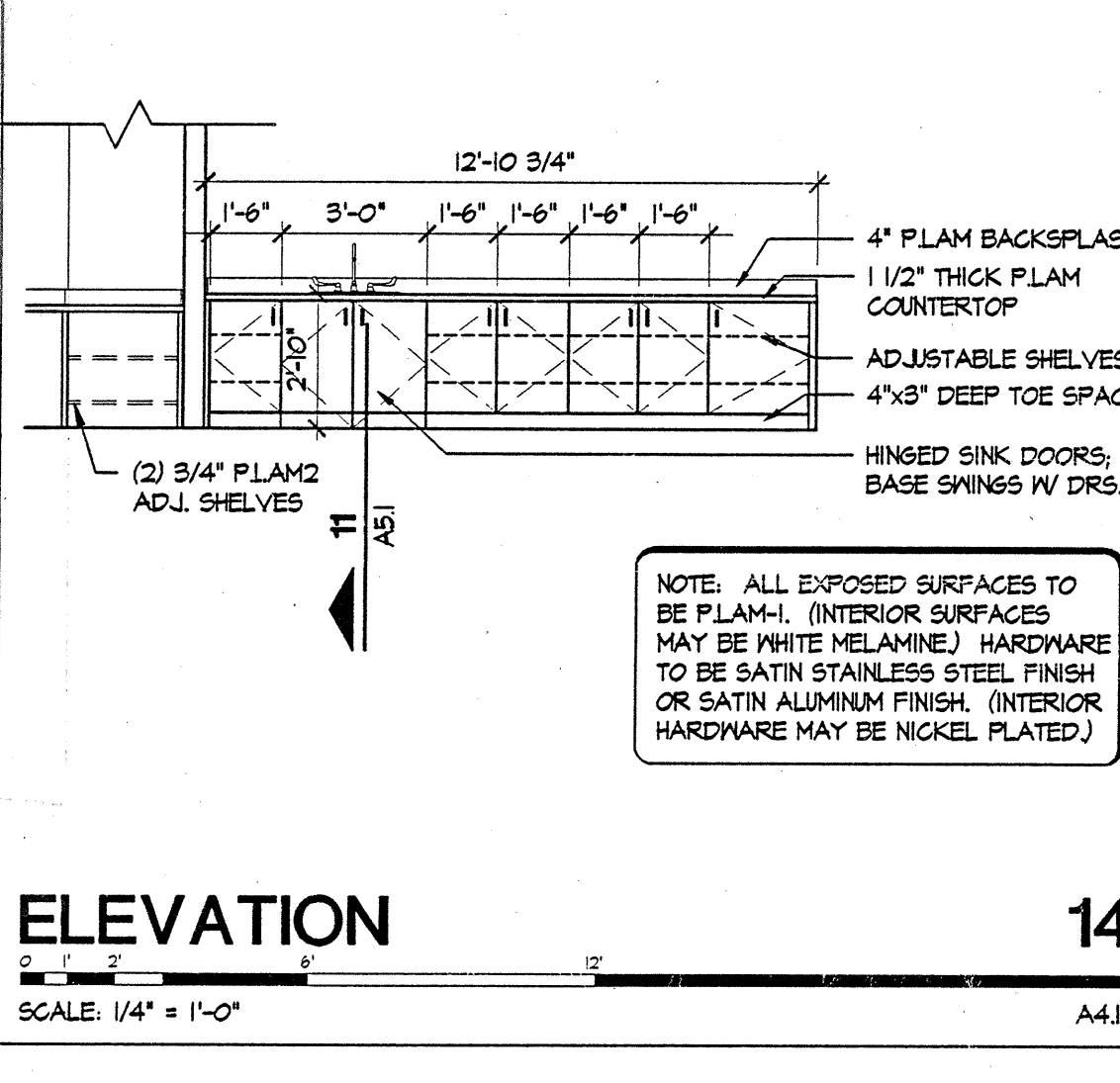
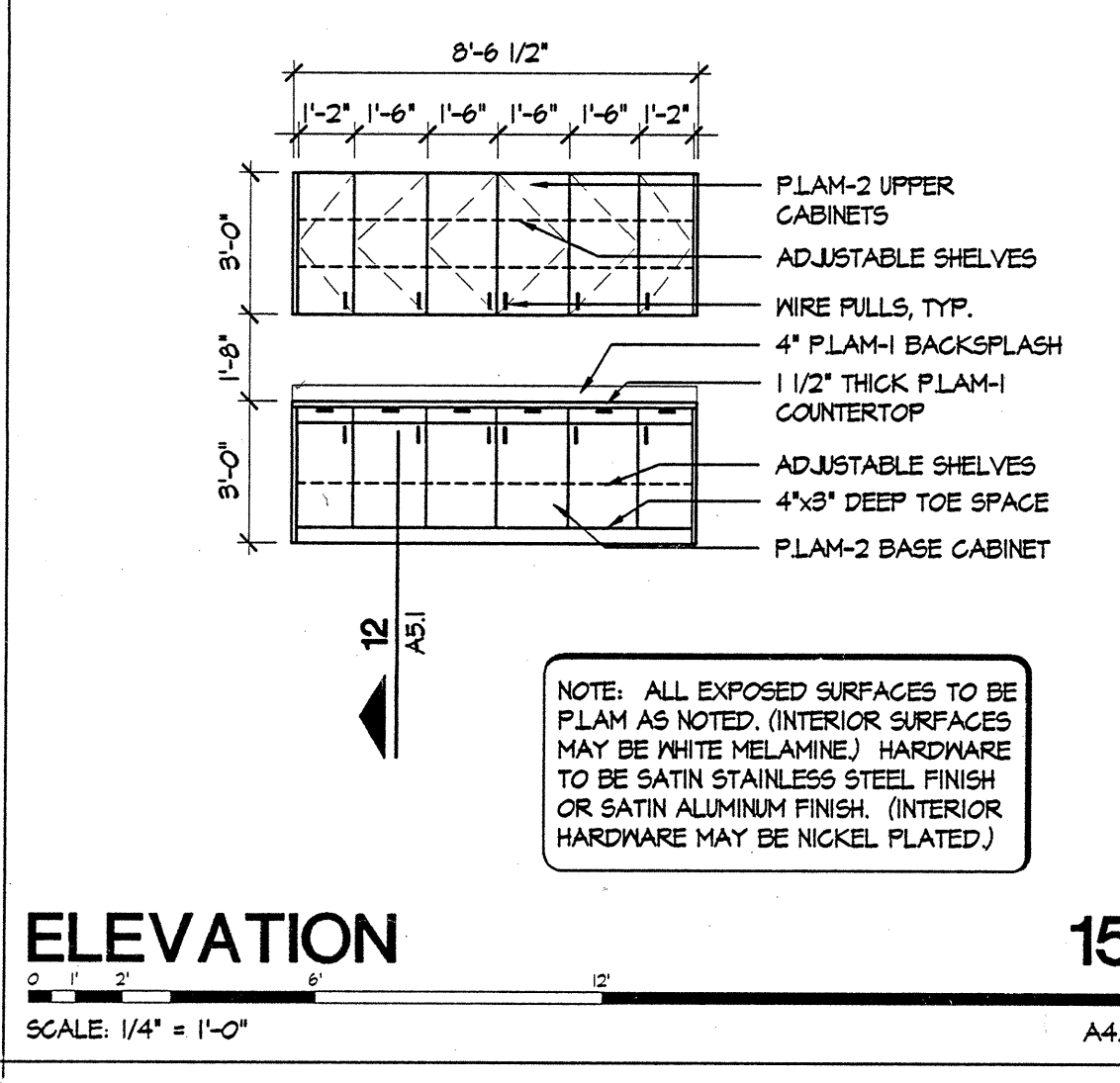
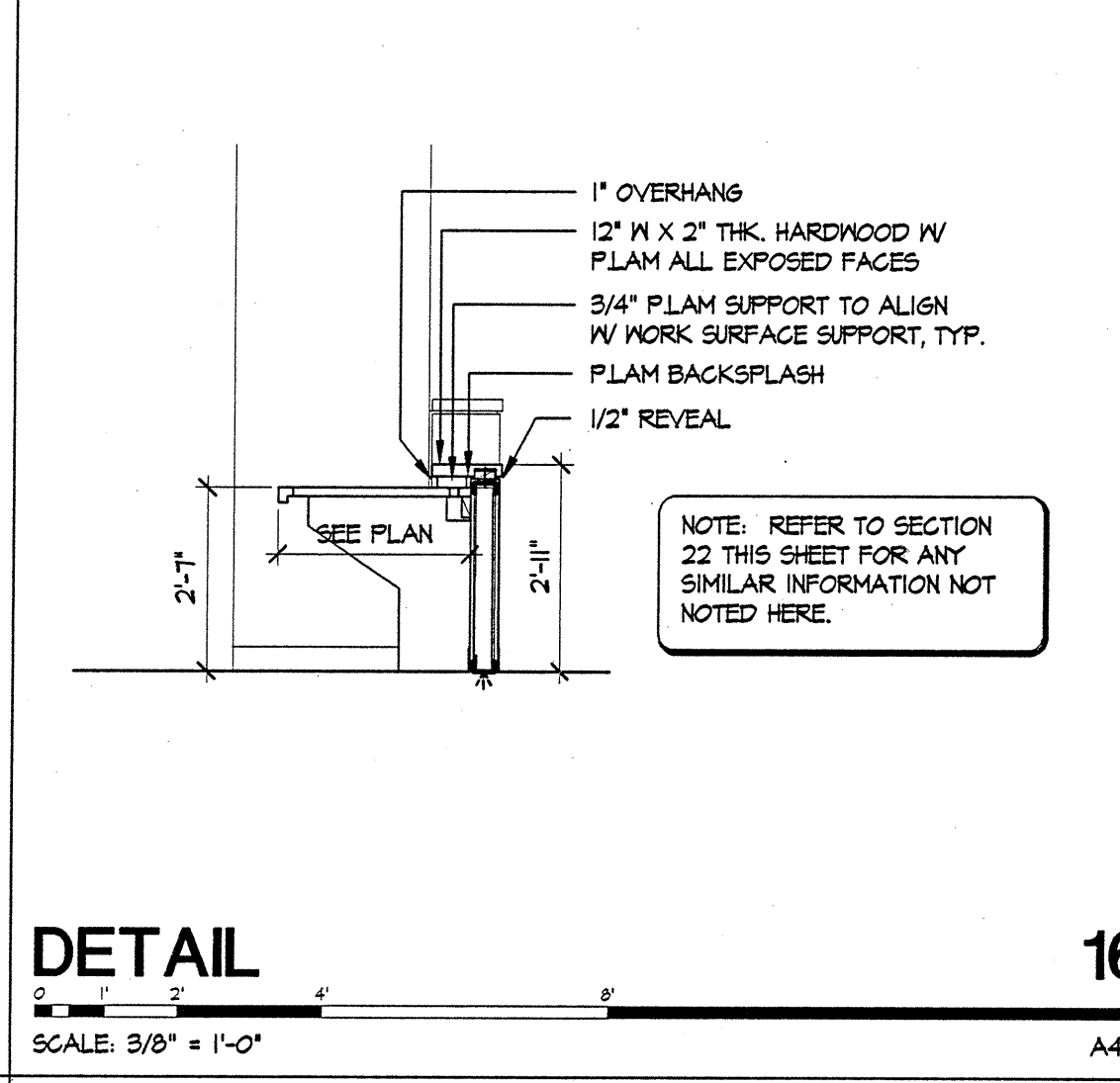
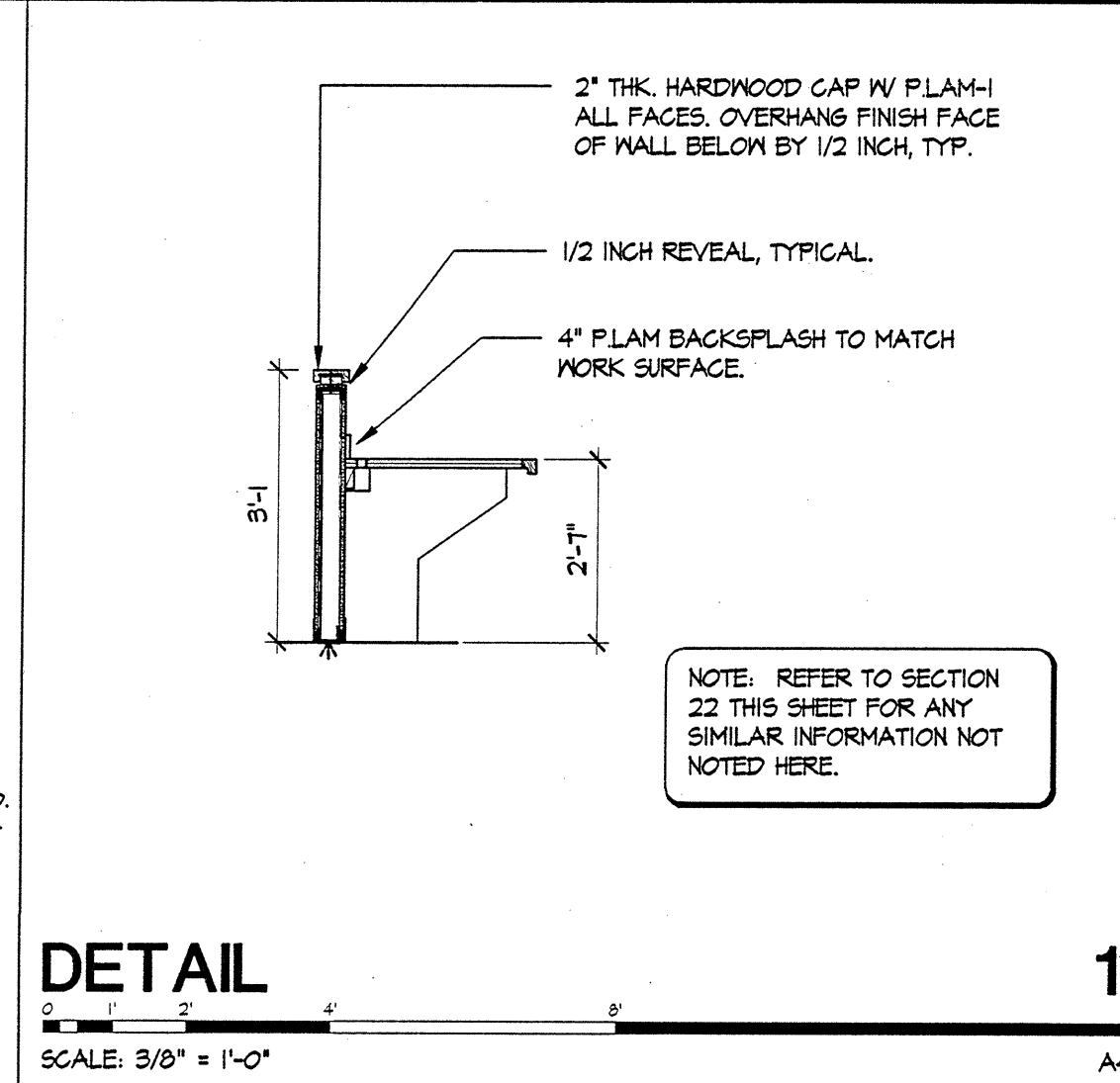
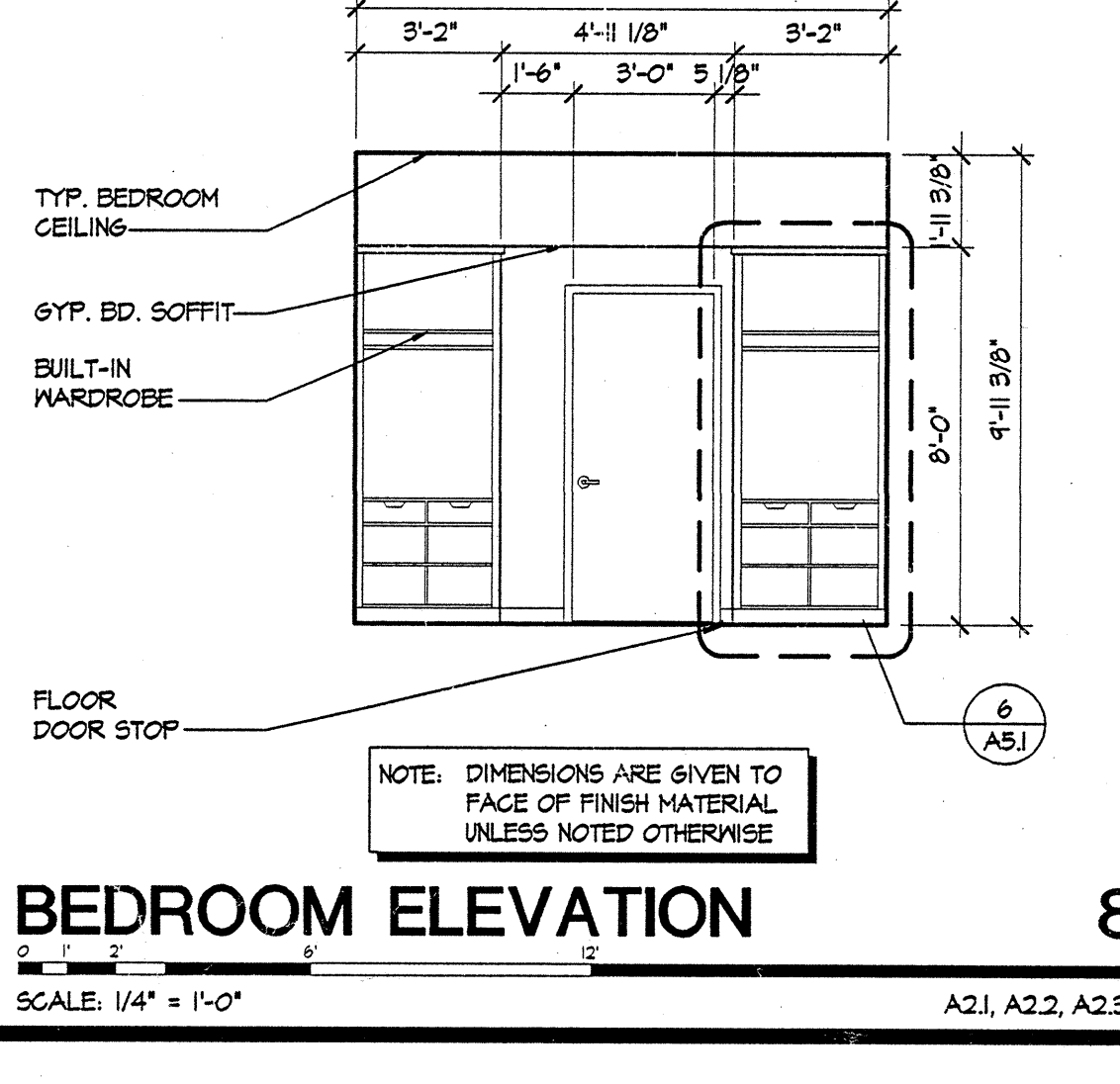
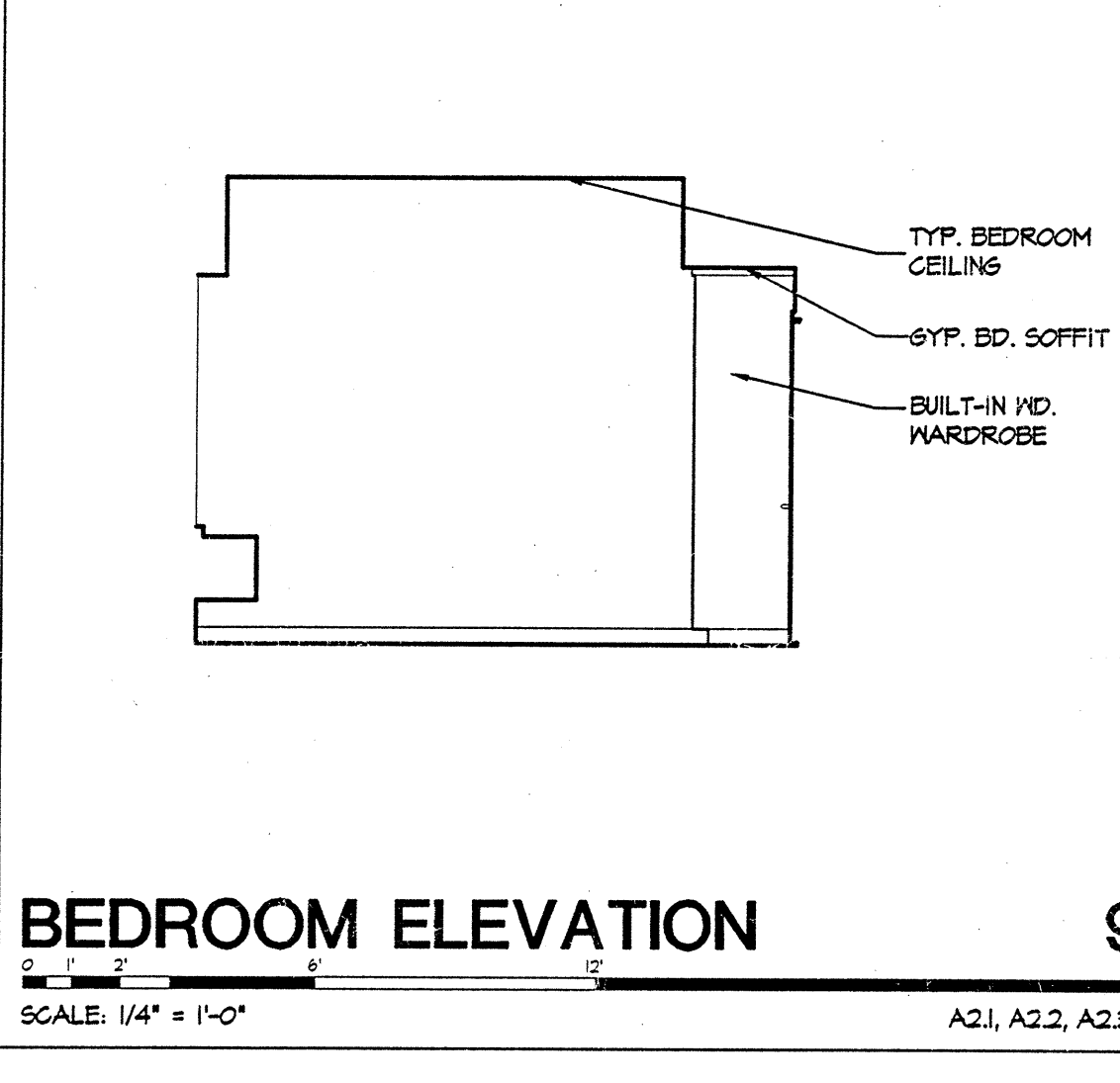
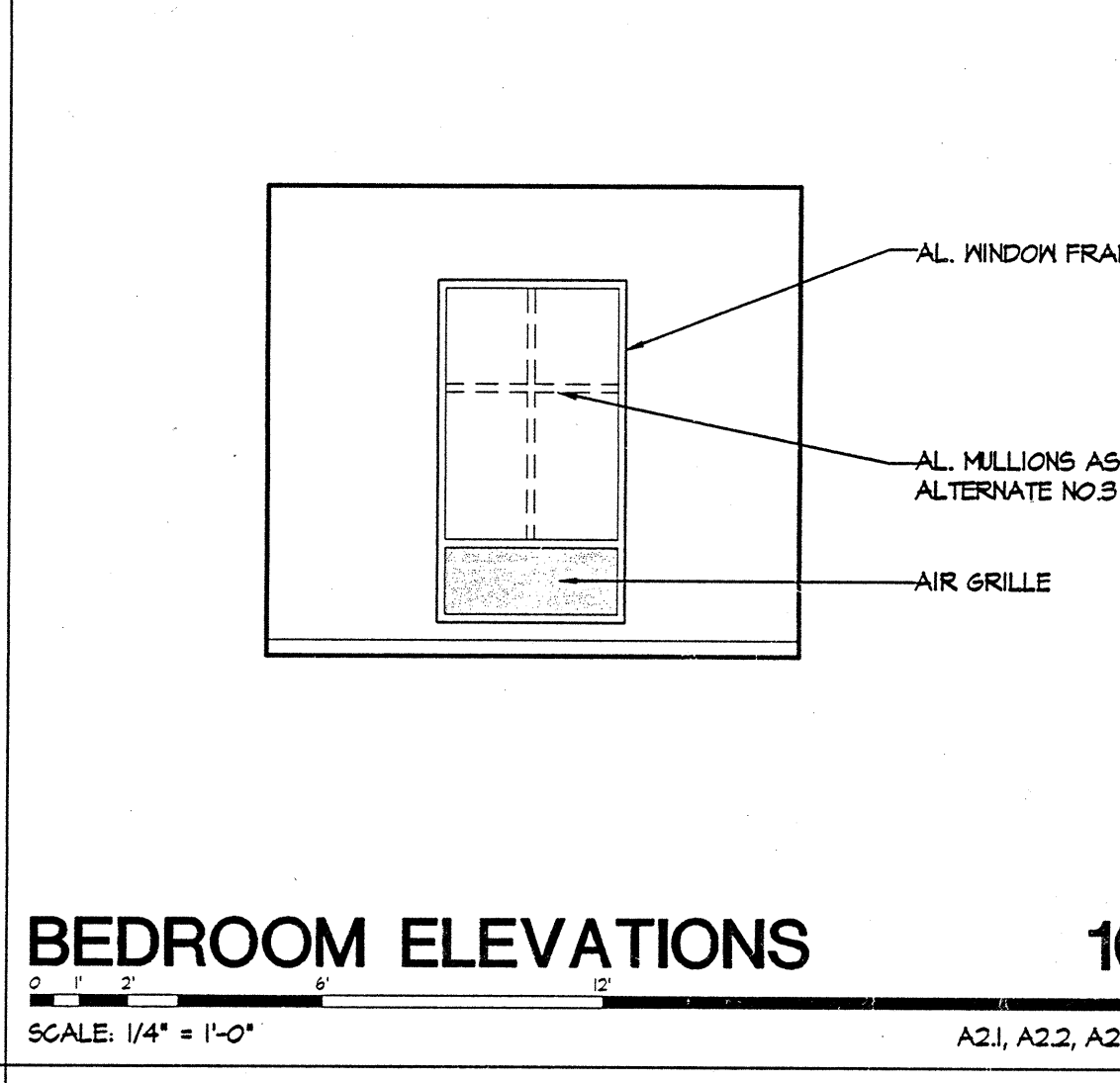
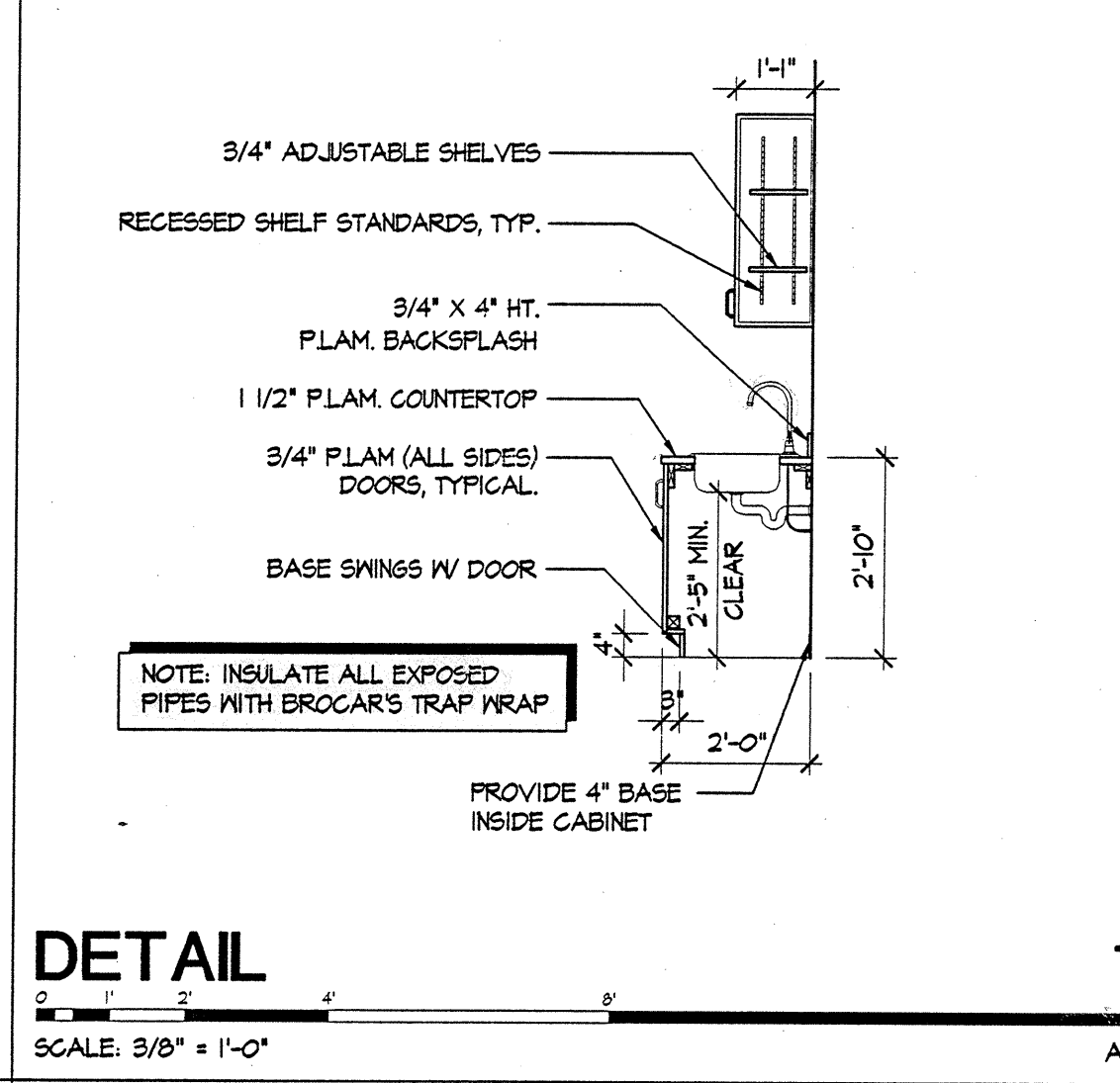
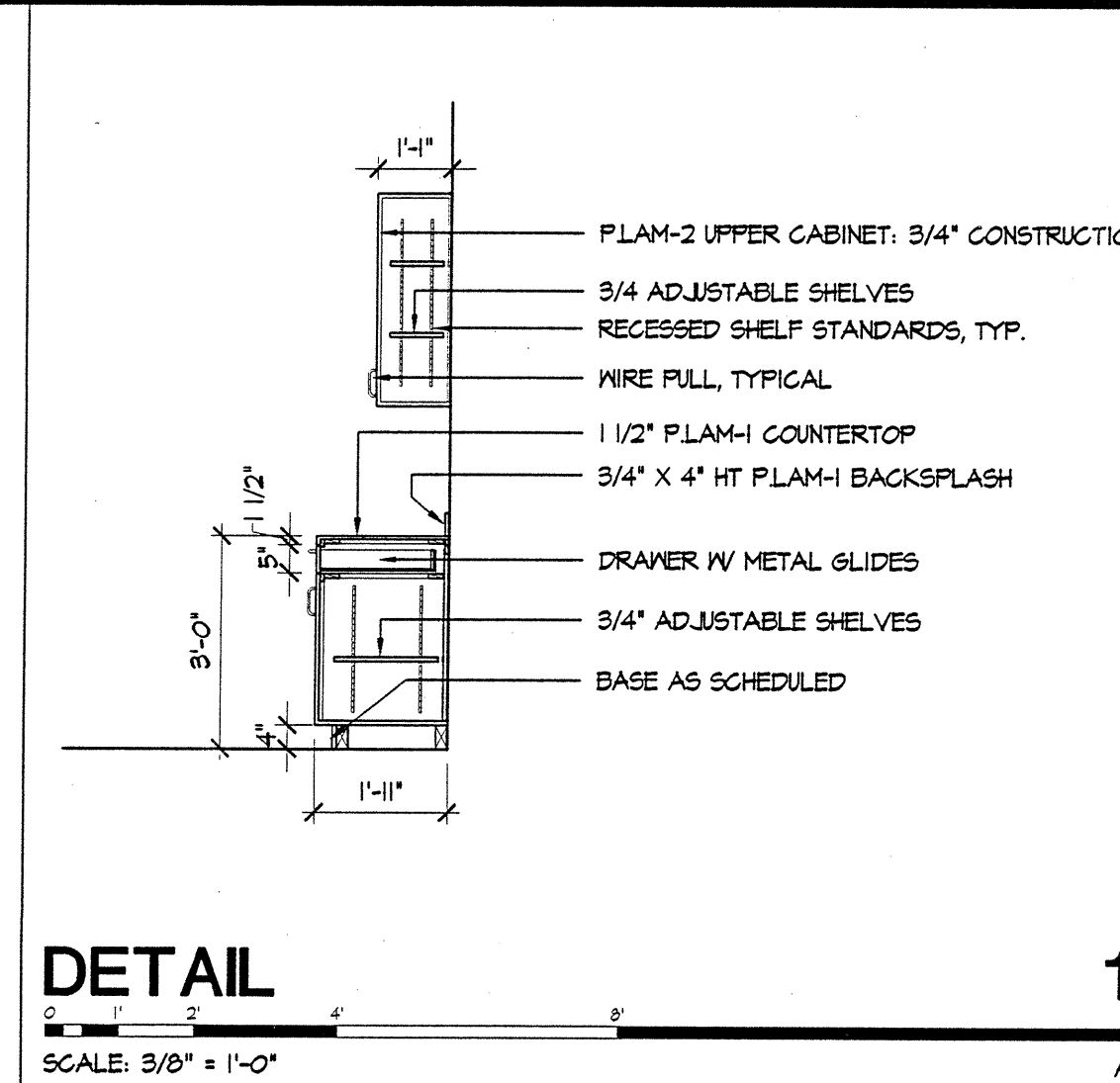
Rubicon, Inc. 97187 (ADD) (REV) 03/18/98 A4.1, 03/18/98 13:32:38 07/05/98 A4.1





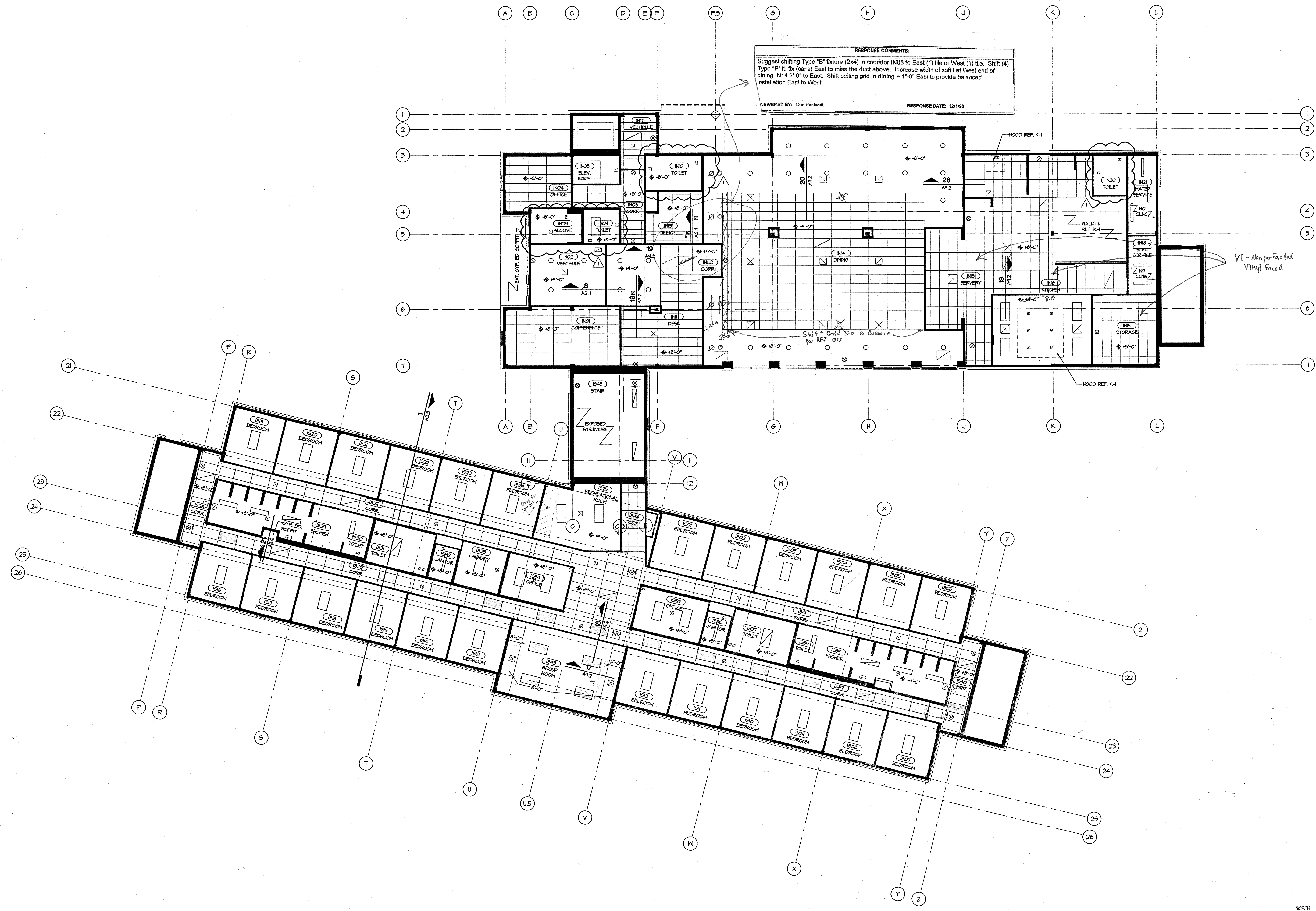
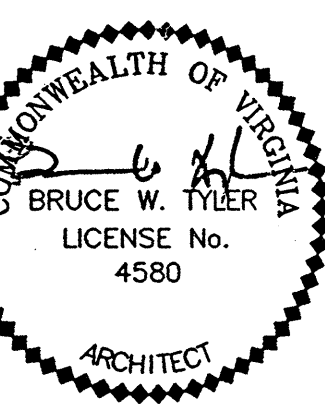
**TOILET ACCESSORY LEGEND**

ITEM NO.	DESCRIPTION
TA-1	TOILET DISPENSER - SURFACE MOUNTED
TA-2	TOILET TISSUE DISPENSER - DUAL ROLL
TA-3	GRAB BAR - L-SHAPED
TA-4	TOILET HOOK
TA-5	HOP HOLDER W/ SHELF
TA-6	MIRROR
TA-7	SOAP DISPENSER - SURFACE MOUNTED



Rubicon, Inc. 197/187/000/ARCH/INT/187/AS\_1\_03-20-98 03/18/98 AKD



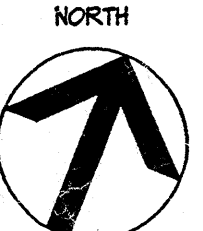


**RESPONSE COMMENTS:**  
 Suggest shifting Type "B" fixture (2x4) in corridor IN08 to East (1) tile or West (1) tile. Shift (4) Type "B" fixture East to miss the duct above. Increase width of soffit at West end of dining IN14 2'-0" to East. Shift ceiling grid in dining + 1'-0" East to provide balanced installation East to West.  
 NSWEPEP BY: Don Hostvedt      RESPONSE DATE: 12/1/98

VL - Non perforated Vinyl faced

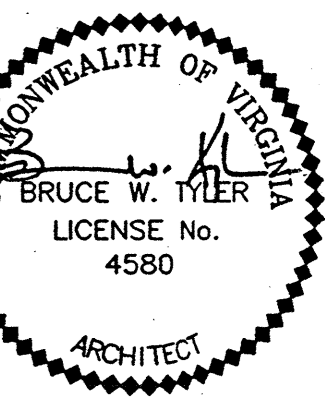
Shift Grid 2'-0" to balance for RET. DIS

NOTE: ALL CEILINGS GYP. BD. UNLESS INDICATED OTHERWISE.



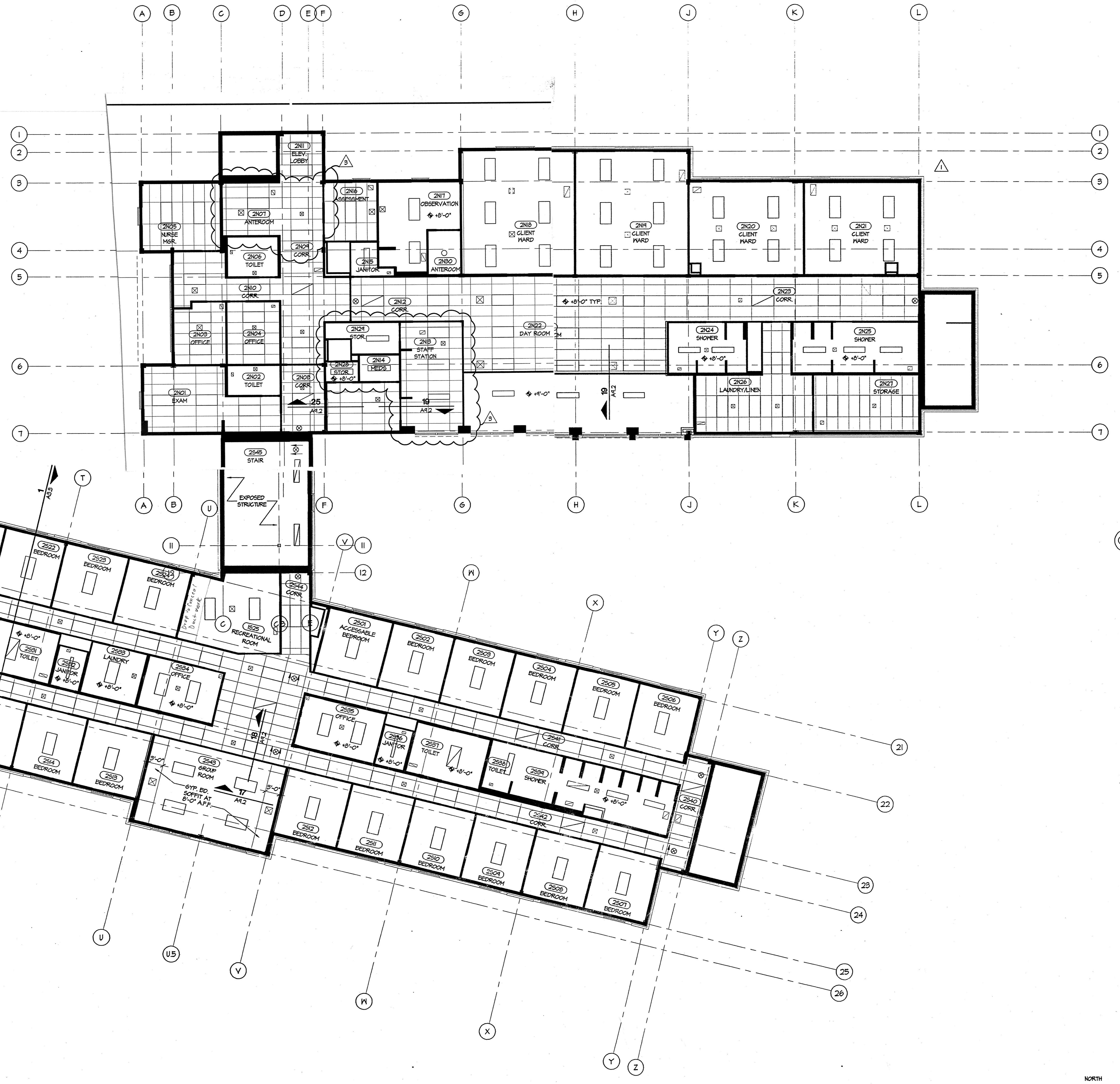
**FIRST FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

J:\Rubicon, Inc\97187\CADD\ARCH\031898\1.dwg 13:36:07 07/08/98 ACL1

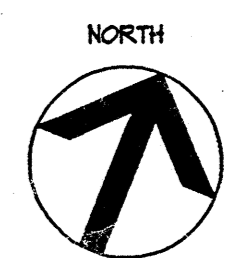


Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

B A S K E R V I L L E S O N



NOTE: ALL CEILINGS GYP.BD.  
UNLESS SHOWN OR NOTED OTHERWISE.



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

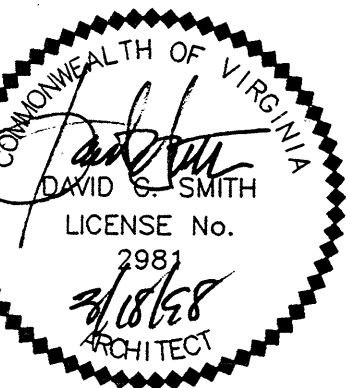
DRAWING TITLE  
SECOND FLOOR  
REFLECTED  
CEILING PLAN

DATE  
03/18/98

REVISIONS  
23/20/98 ADD  
21/02/98 CORR

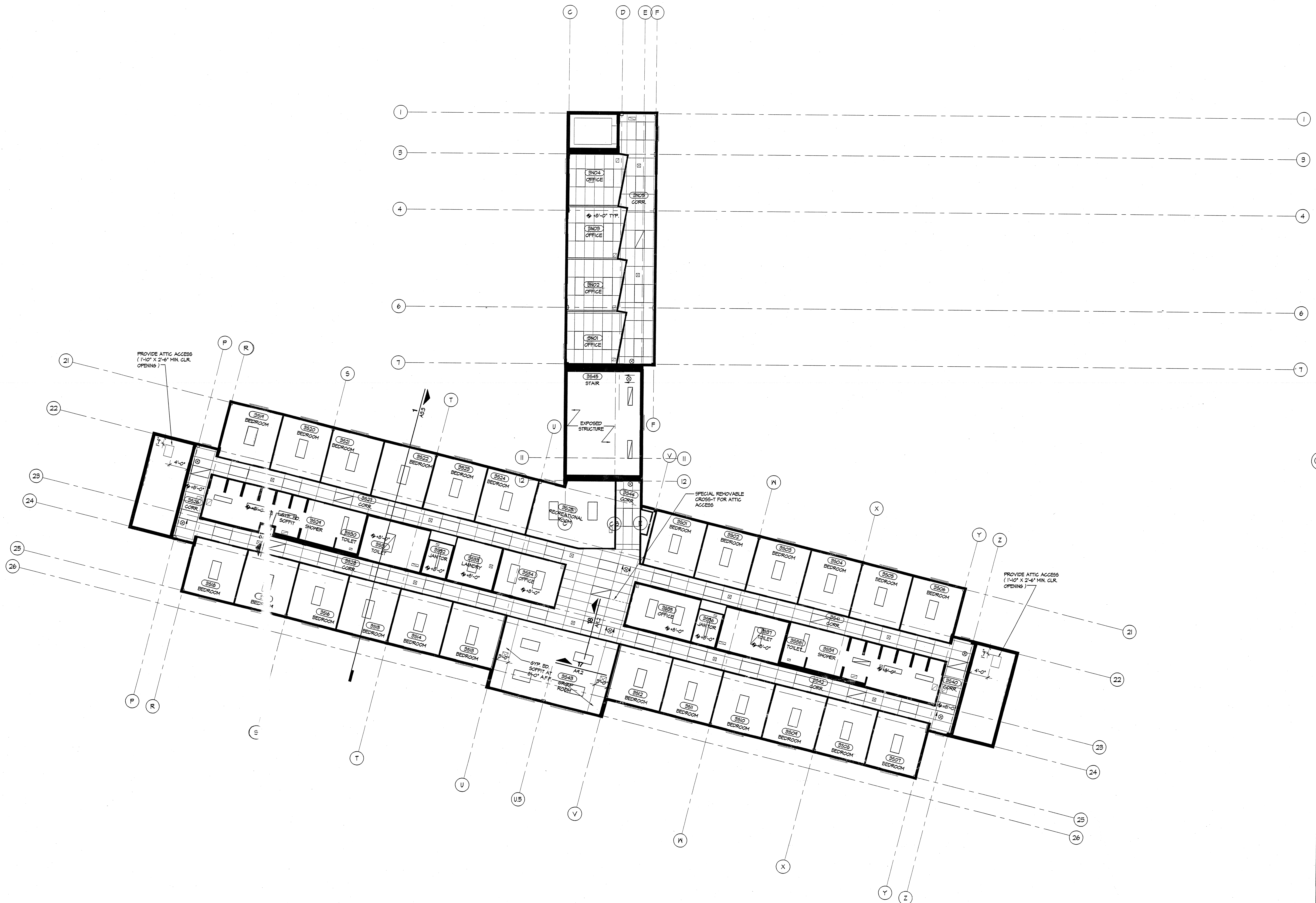
DRAWING NUMBER  
97187

1. Rubicon, Inc. 97187/CADD/ARCH/VDY/18796\_2.dwg 13:37:49 07/08/98 ACL1



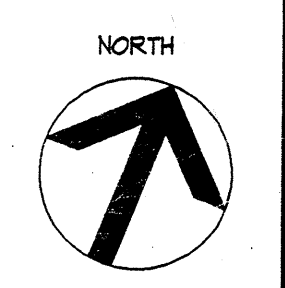
Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

B A S K E R V I L L E S O N



THIRD FLOOR PLAN  
SCALE: 1/8" = 1'-0"

NOTE: ALL CEILINGS GYP. BD.  
UNLESS INDICATED OTHERWISE.



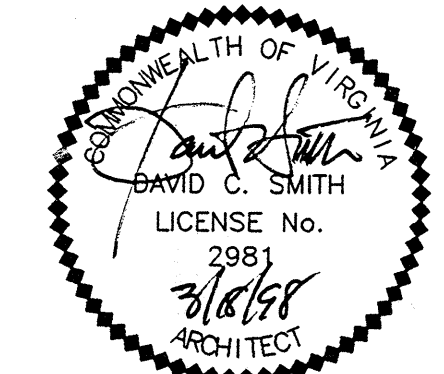
DRAWING TITLE  
THIRD FLOOR  
REFLECTED  
CEILING PLAN

DATE  
03/18/98

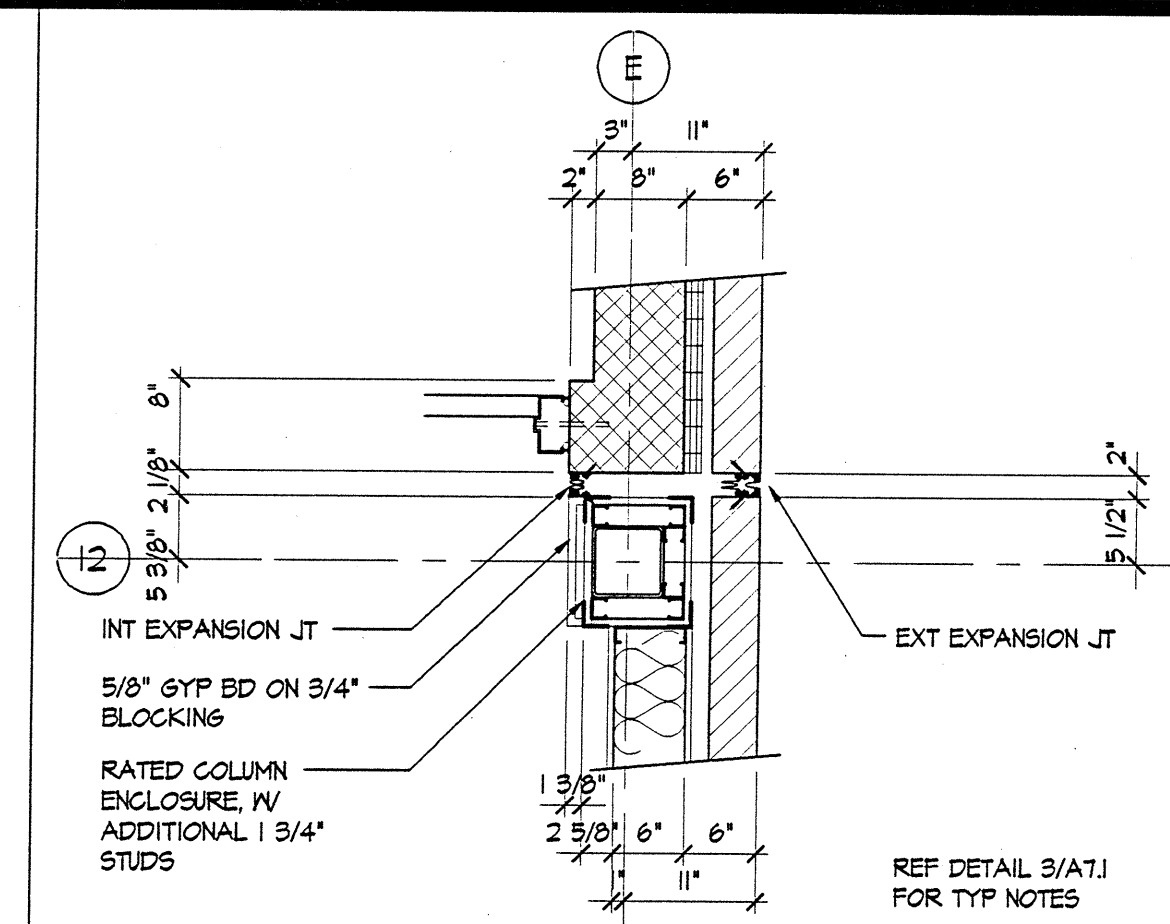
REVISIONS

DRAWING NUMBER  
97187

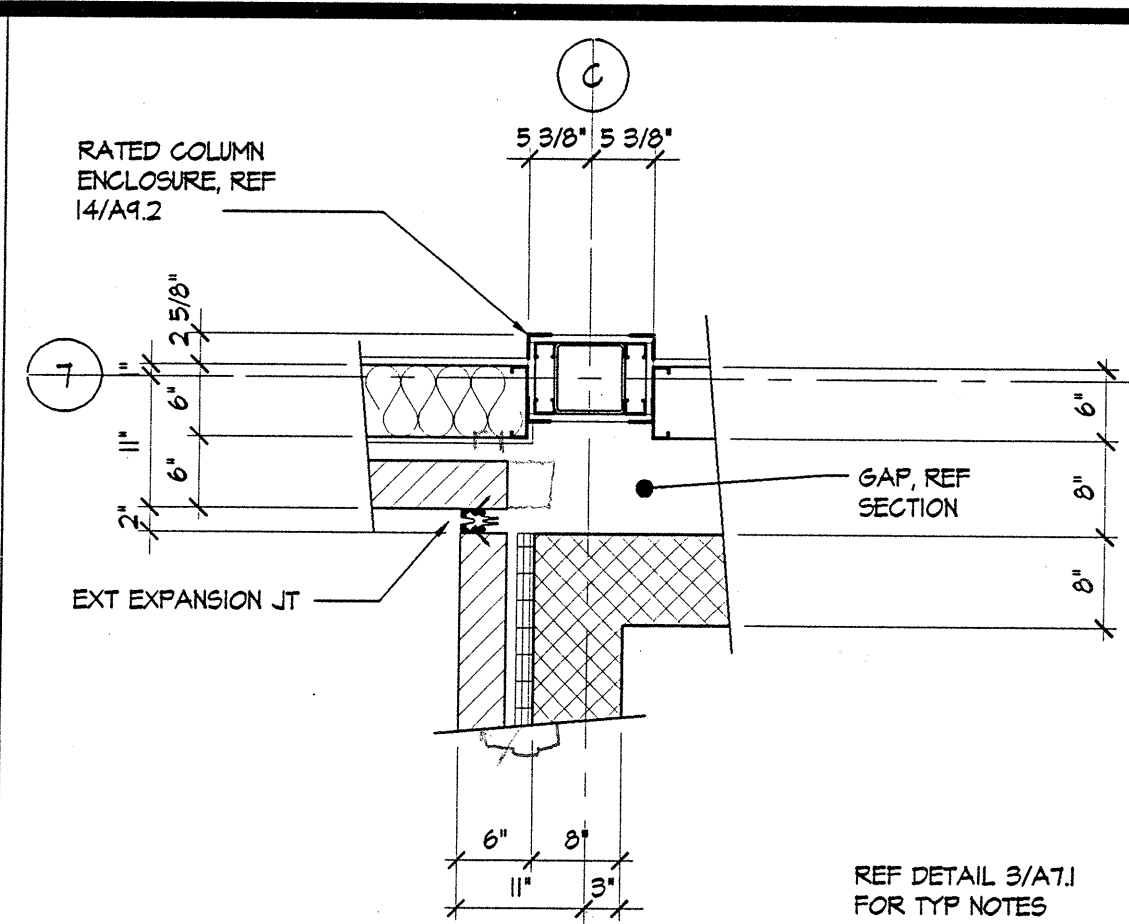
RUBICON, INC. 197187/CAD/ARCH/03/18/98 AMJ



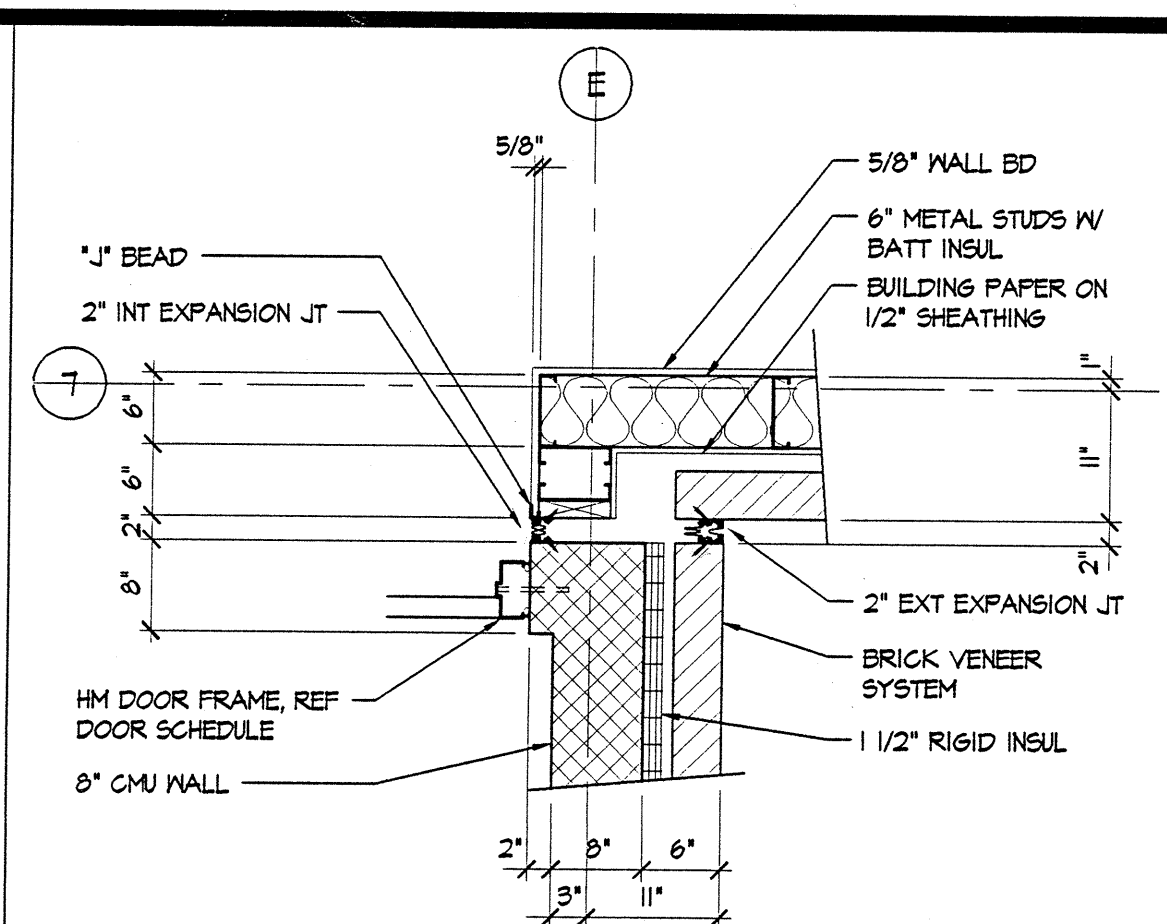
**B A S K E R V I L L E S O N**



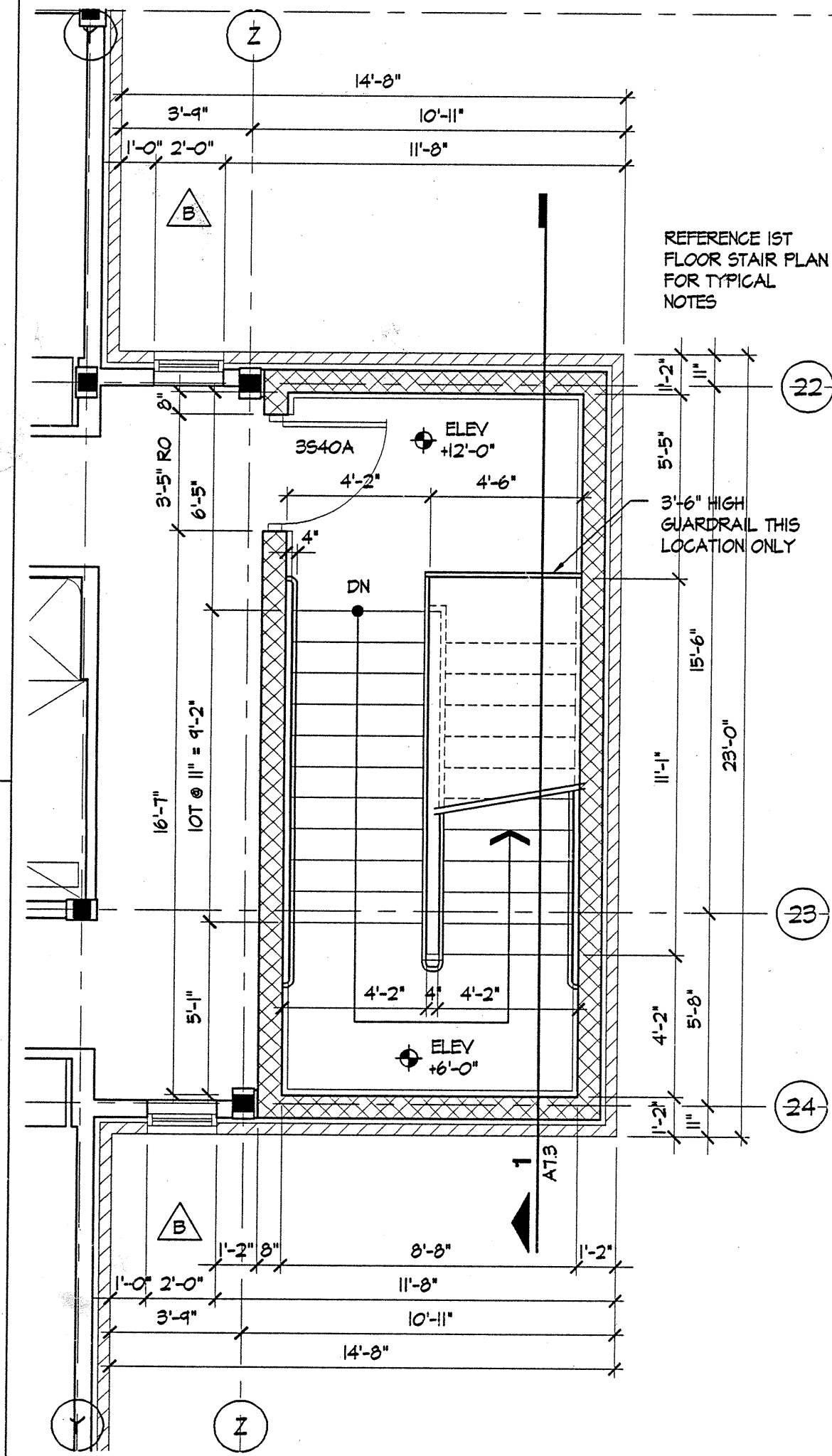
**DETAIL 8**  
SCALE: 3/4" = 1'-0"  
AT1



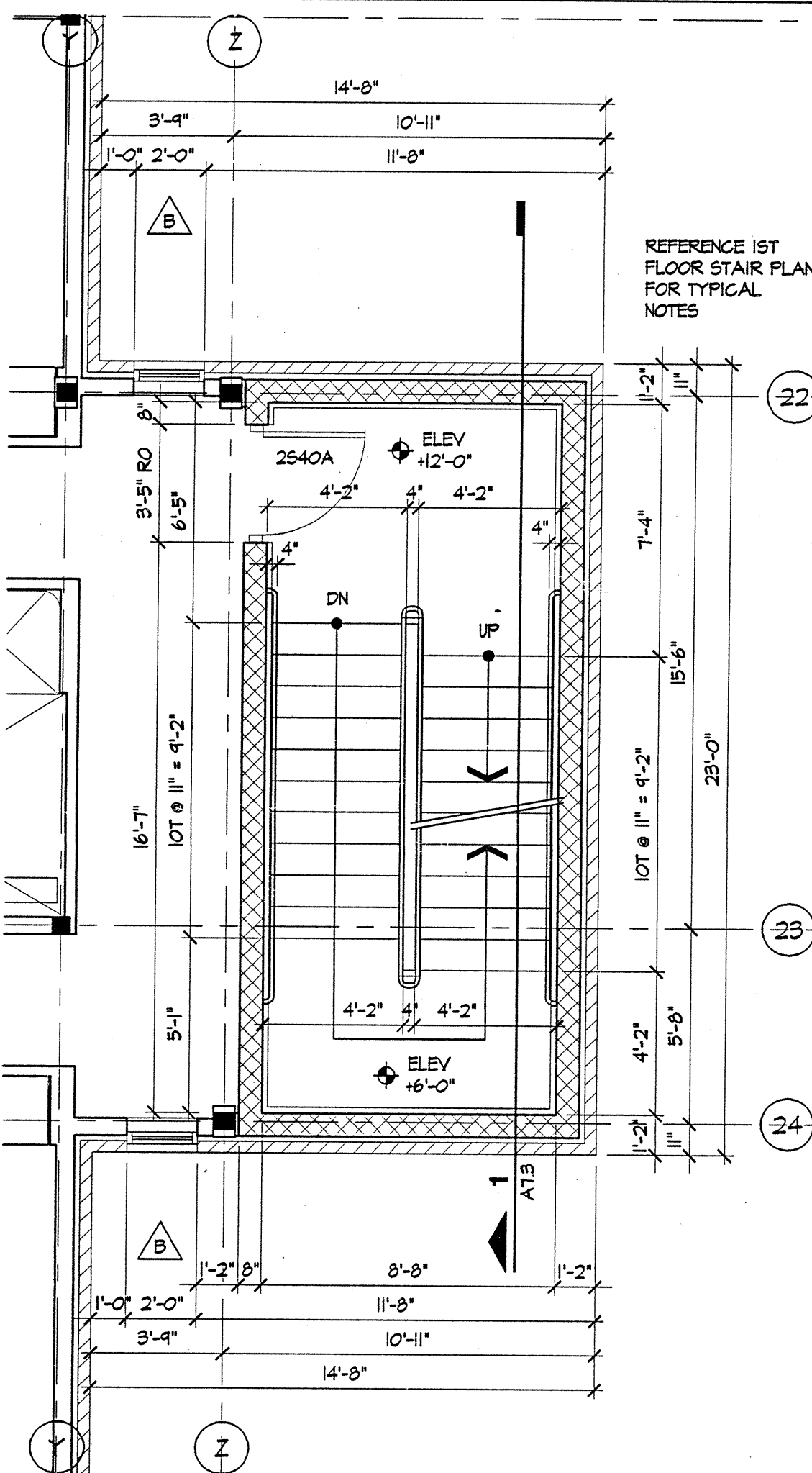
**DETAIL 5**  
SCALE: 3/4" = 1'-0"  
AT1



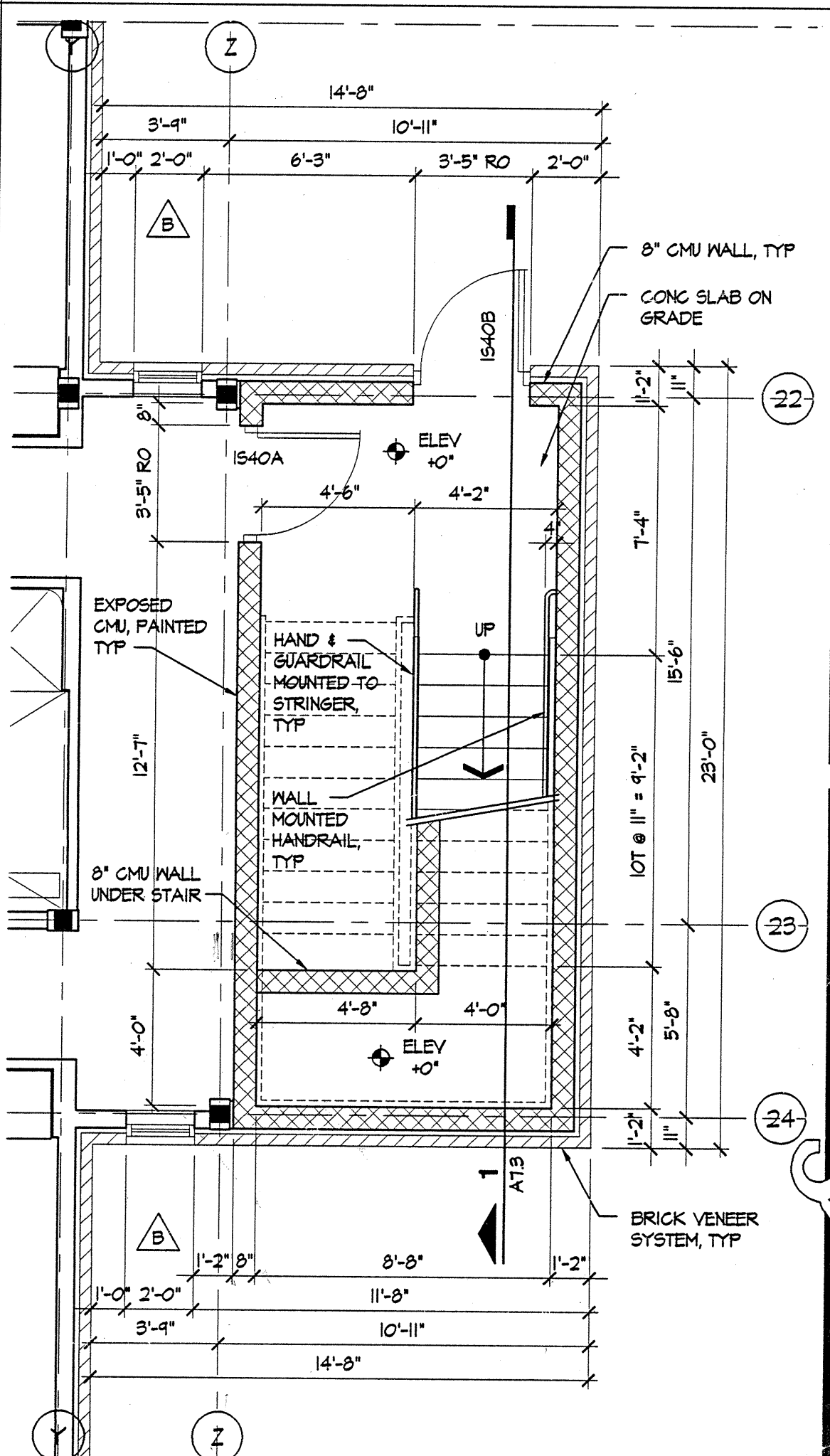
**DETAIL 3**  
SCALE: 3/4" = 1'-0"  
AT1



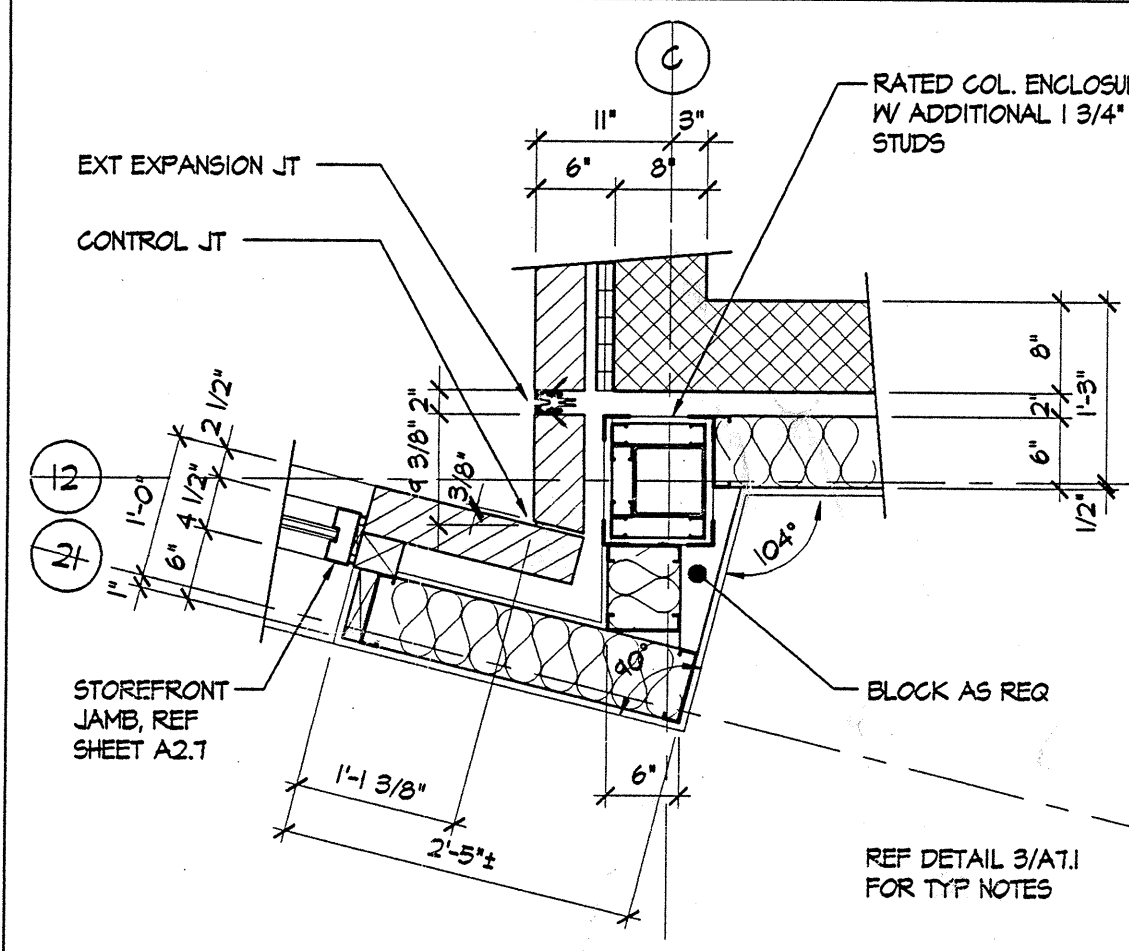
**9 STAIR PLAN - 3RD FLOOR**  
SCALE: 1/4" = 1'-0"  
AT3



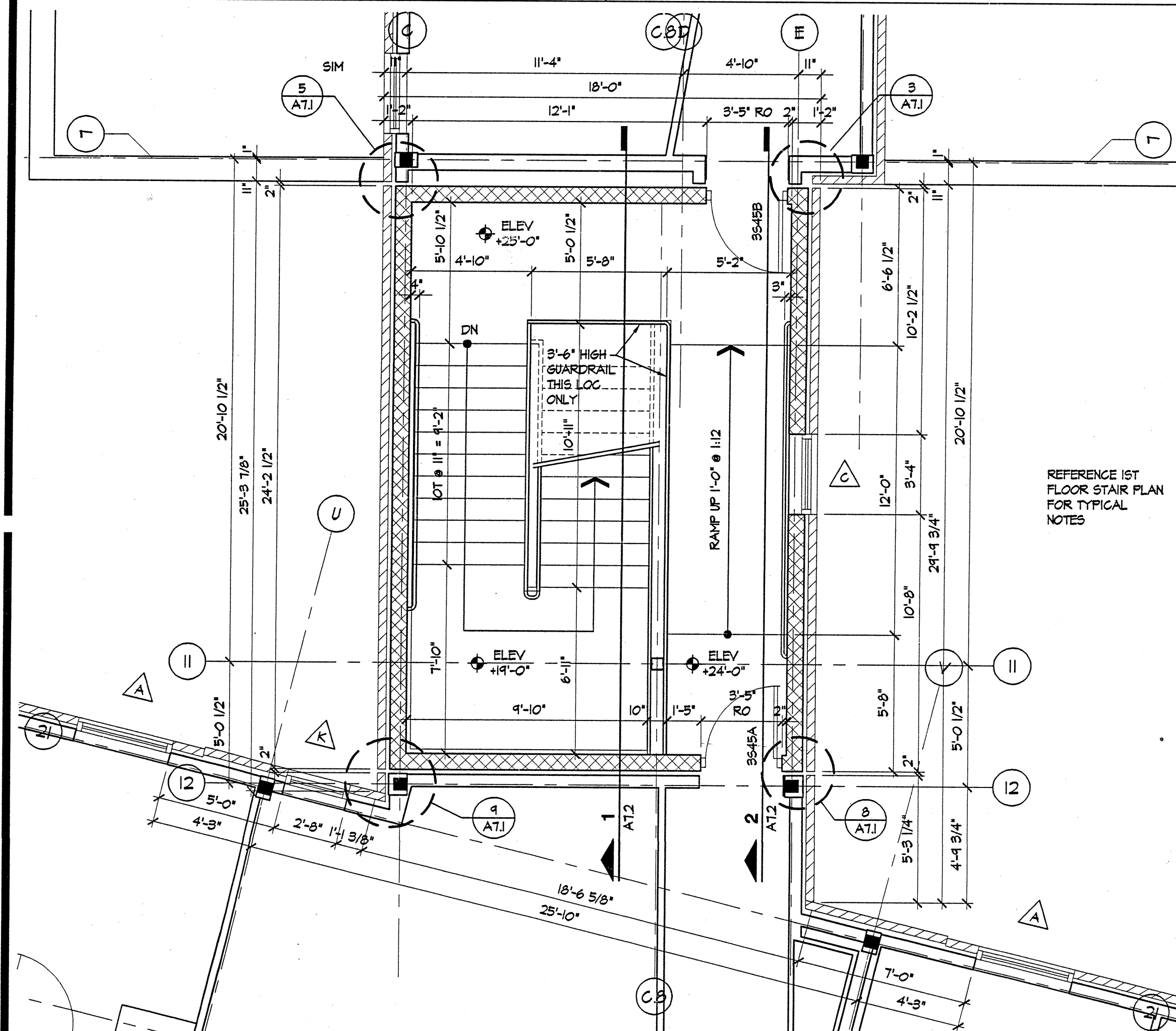
**7 STAIR PLAN - 2ND FLOOR**  
SCALE: 1/4" = 1'-0"  
A2.3



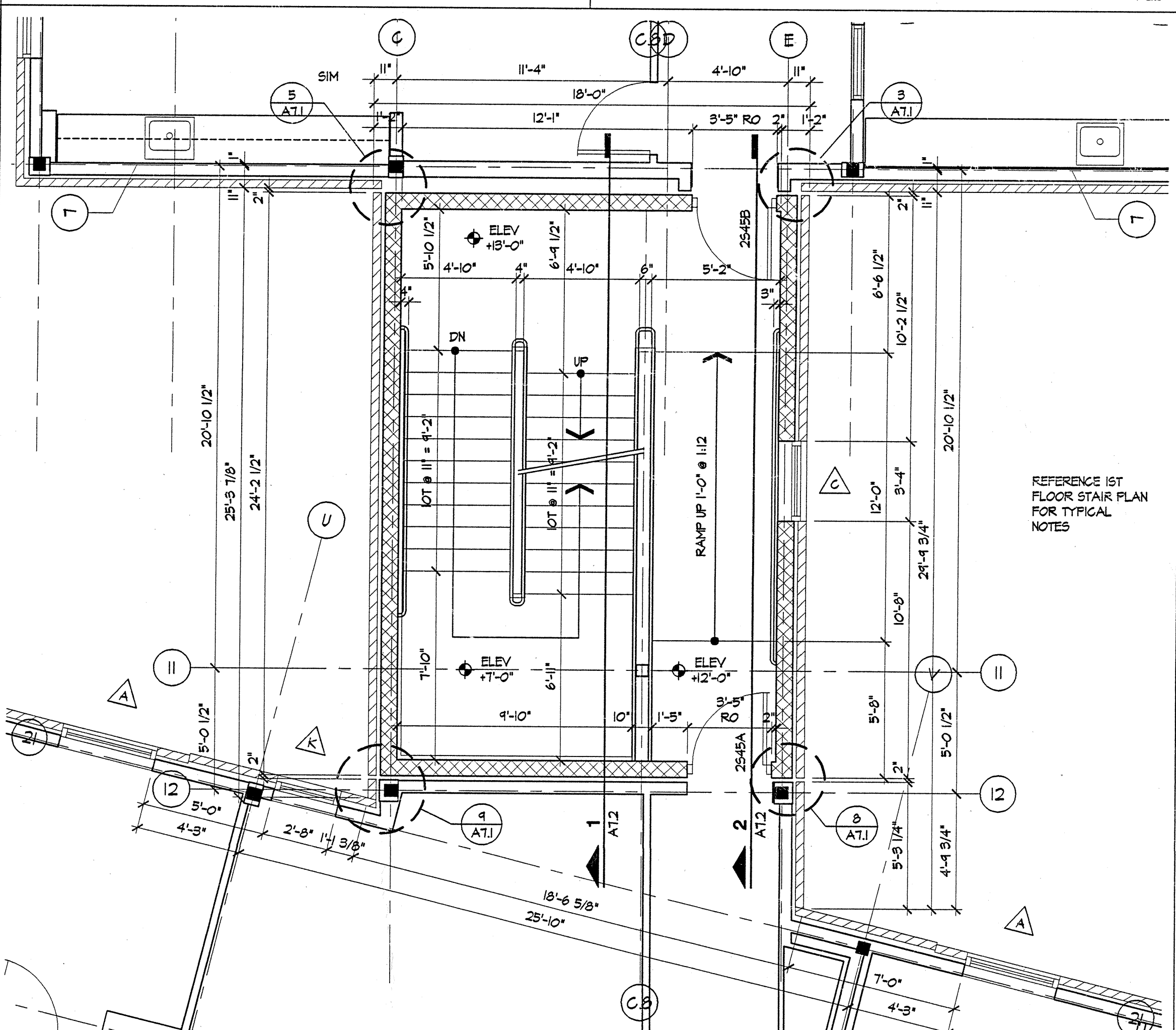
**4 STAIR PLAN - 1ST FLOOR**  
SCALE: 1/4" = 1'-0"  
A2.1



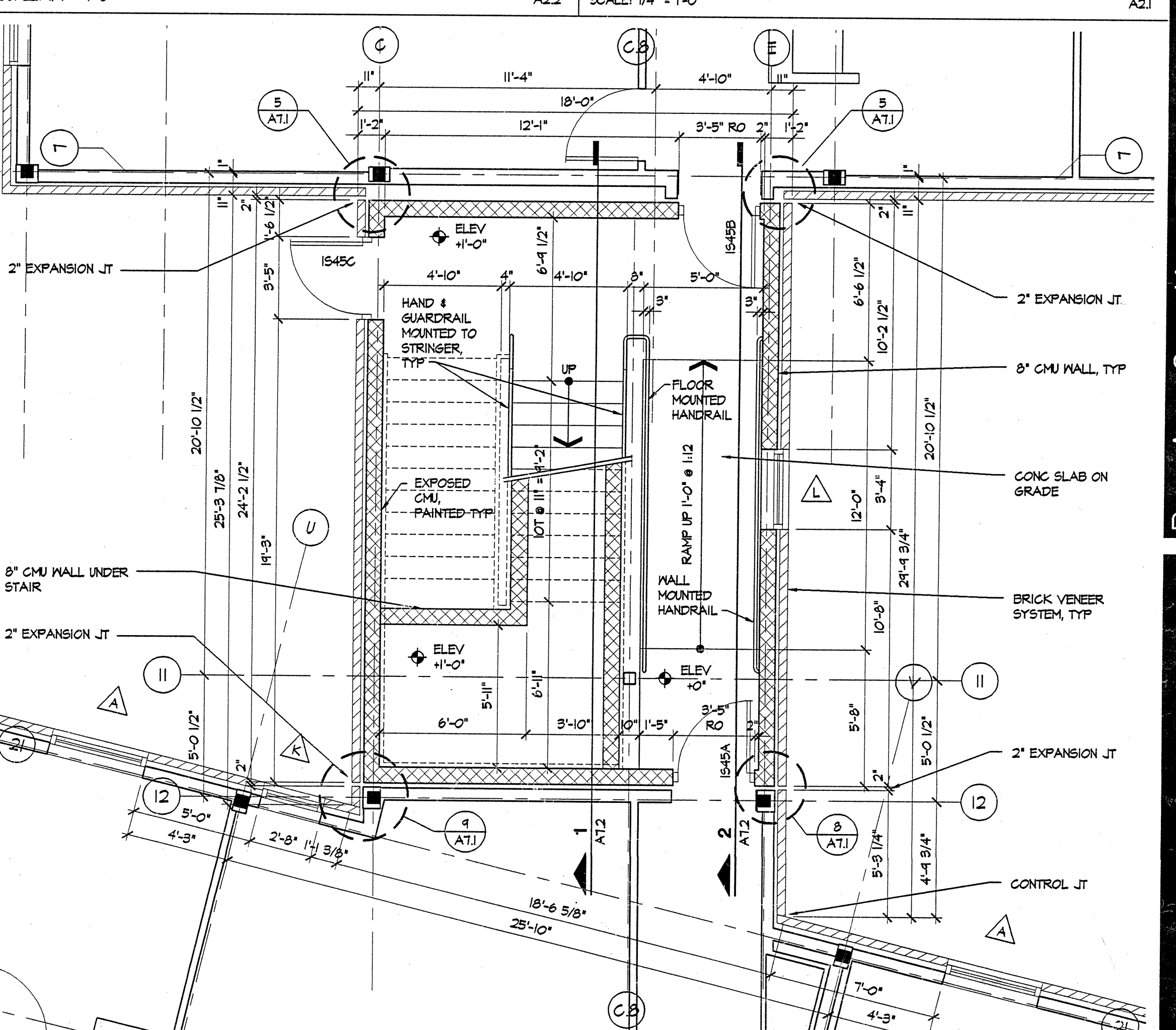
**DETAIL 9**  
SCALE: 3/4" = 1'-0"  
AT1



**12 STAIR PLAN - 3RD FLOOR**  
SCALE: 1/4" = 1'-0"  
A2.3

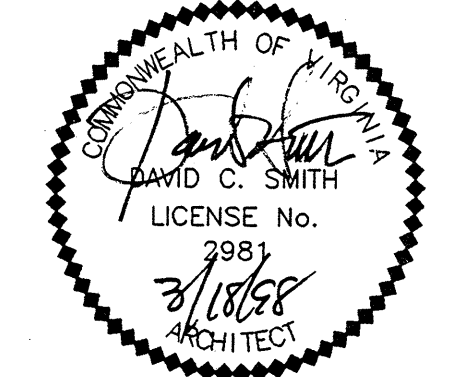


**6 STAIR PLAN - 2ND FLOOR**  
SCALE: 1/4" = 1'-0"  
A2.2

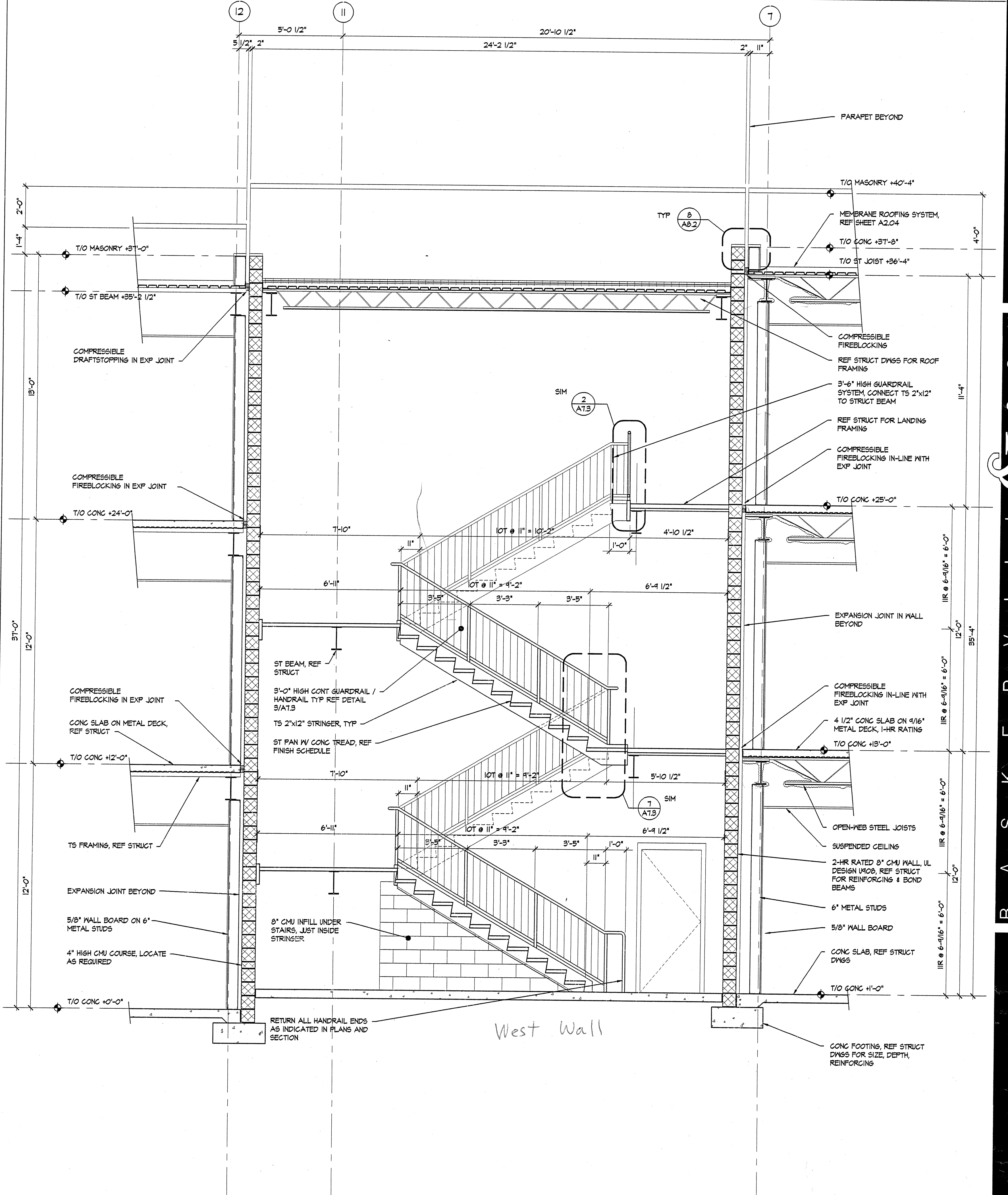
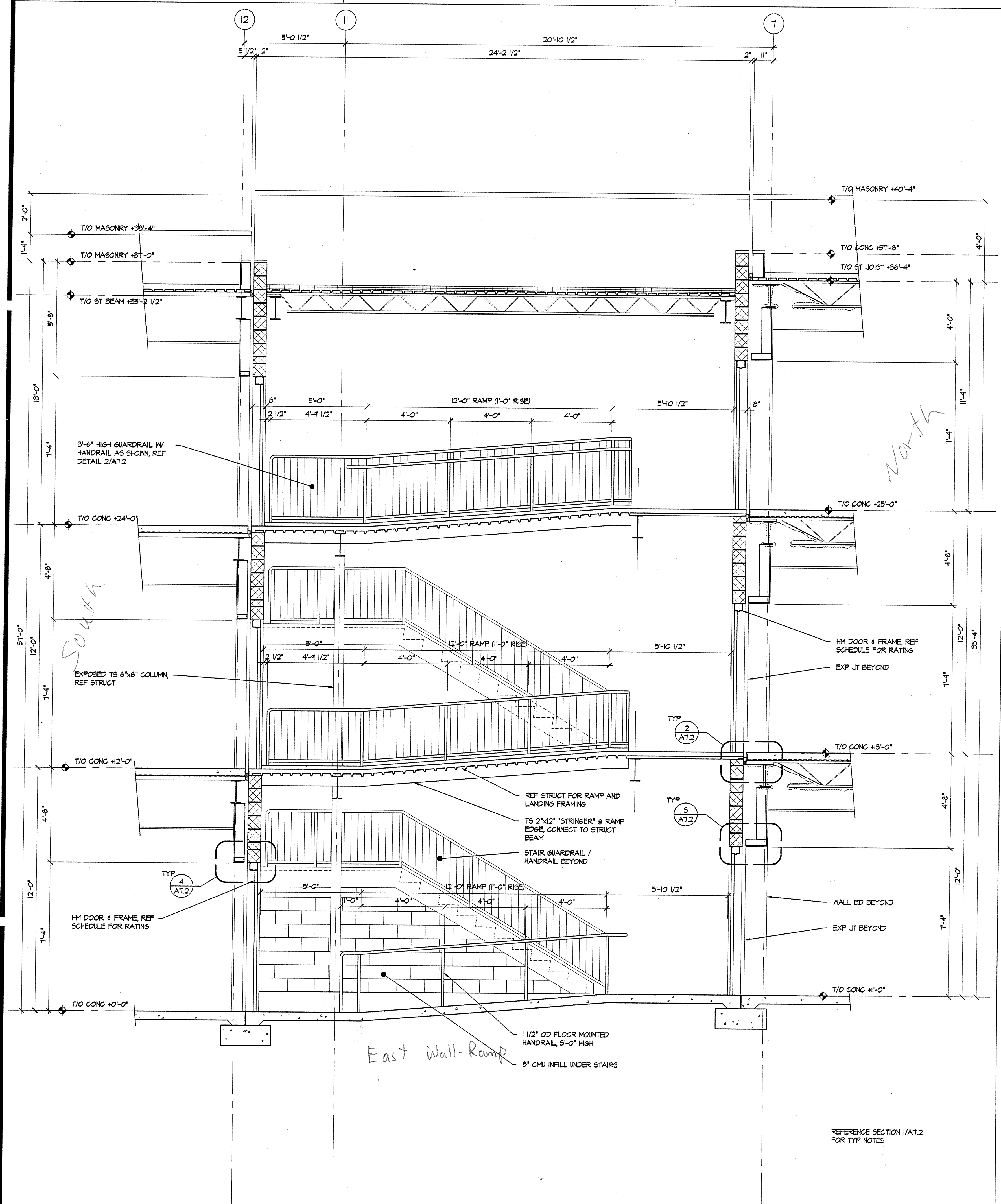
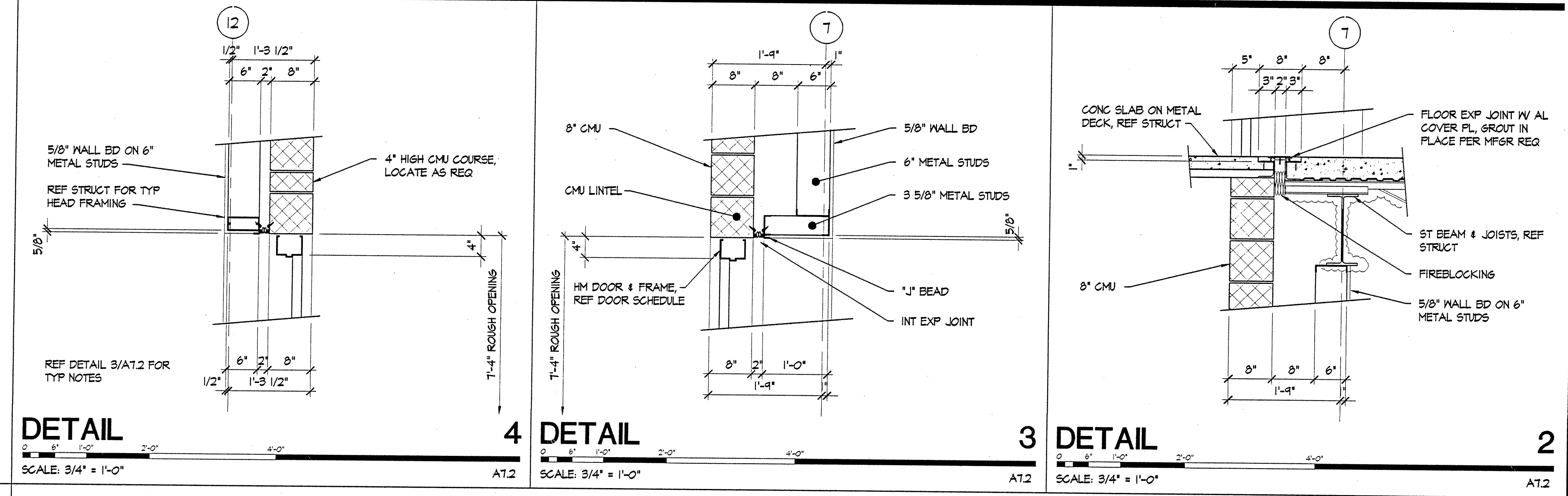


**1 STAIR PLAN - 1ST FLOOR**  
SCALE: 1/4" = 1'-0"  
A2.1

1 Rubicon, Inc. (97187) (ADD) ARCH(D) 7/8/97.1\_03.56.44 03/18/98 A01



BASKERVILLE



4. Rubicon, Inc. 197187\CAD\B\10\11\187\_2\_16\_26\_47\_03\187\_98\_AK.03

DRAWING TITLE  
**STAIR SECTION/  
DETAILS**

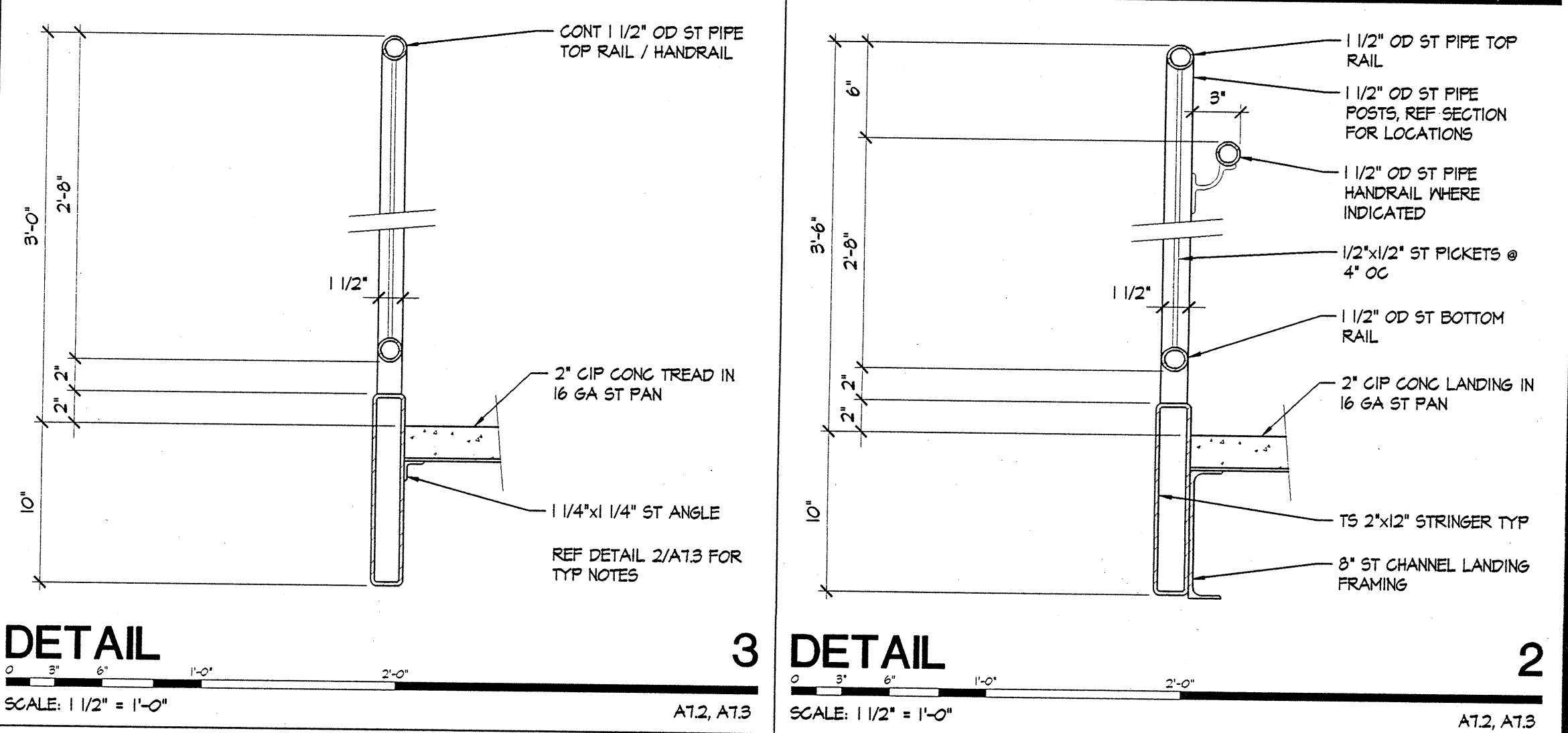
DATE  
03/18/98

REVISIONS

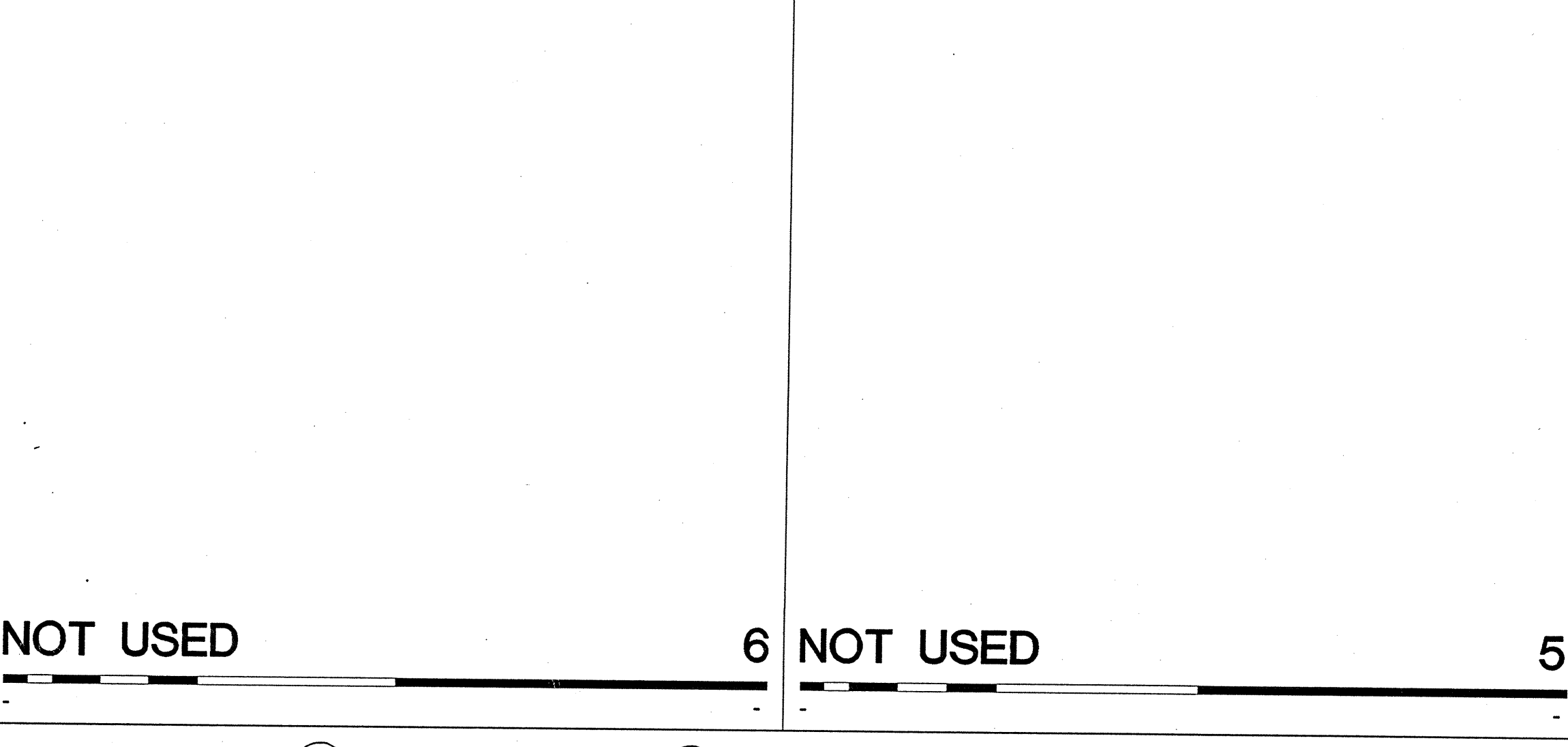
© 1997 Rubicon & Son. All rights reserved. This drawing is the property of Rubicon & Son. No part of this drawing may be reproduced without the written consent of Rubicon & Son.

DRAWING NUMBER  
97187

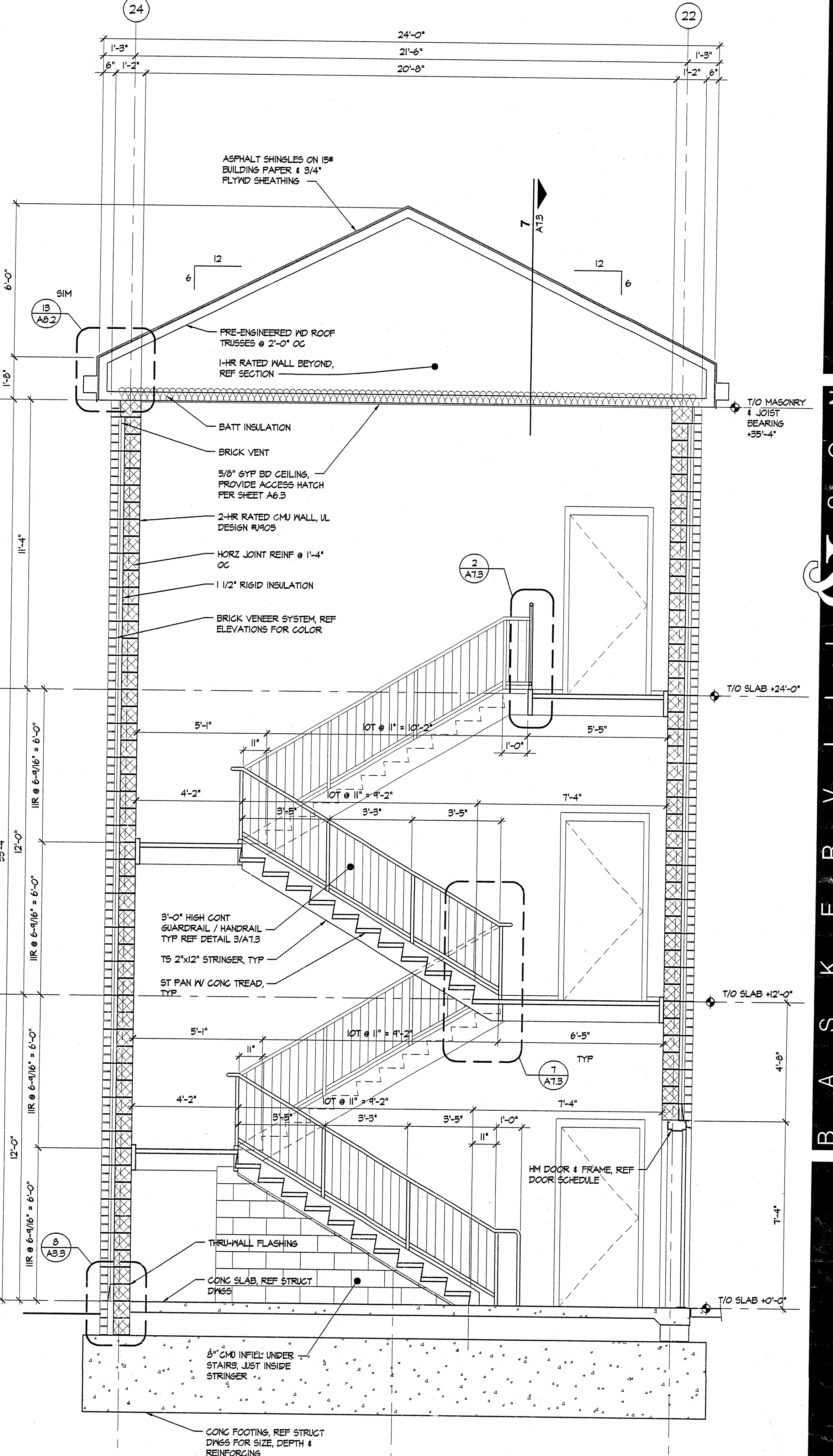
A7.2



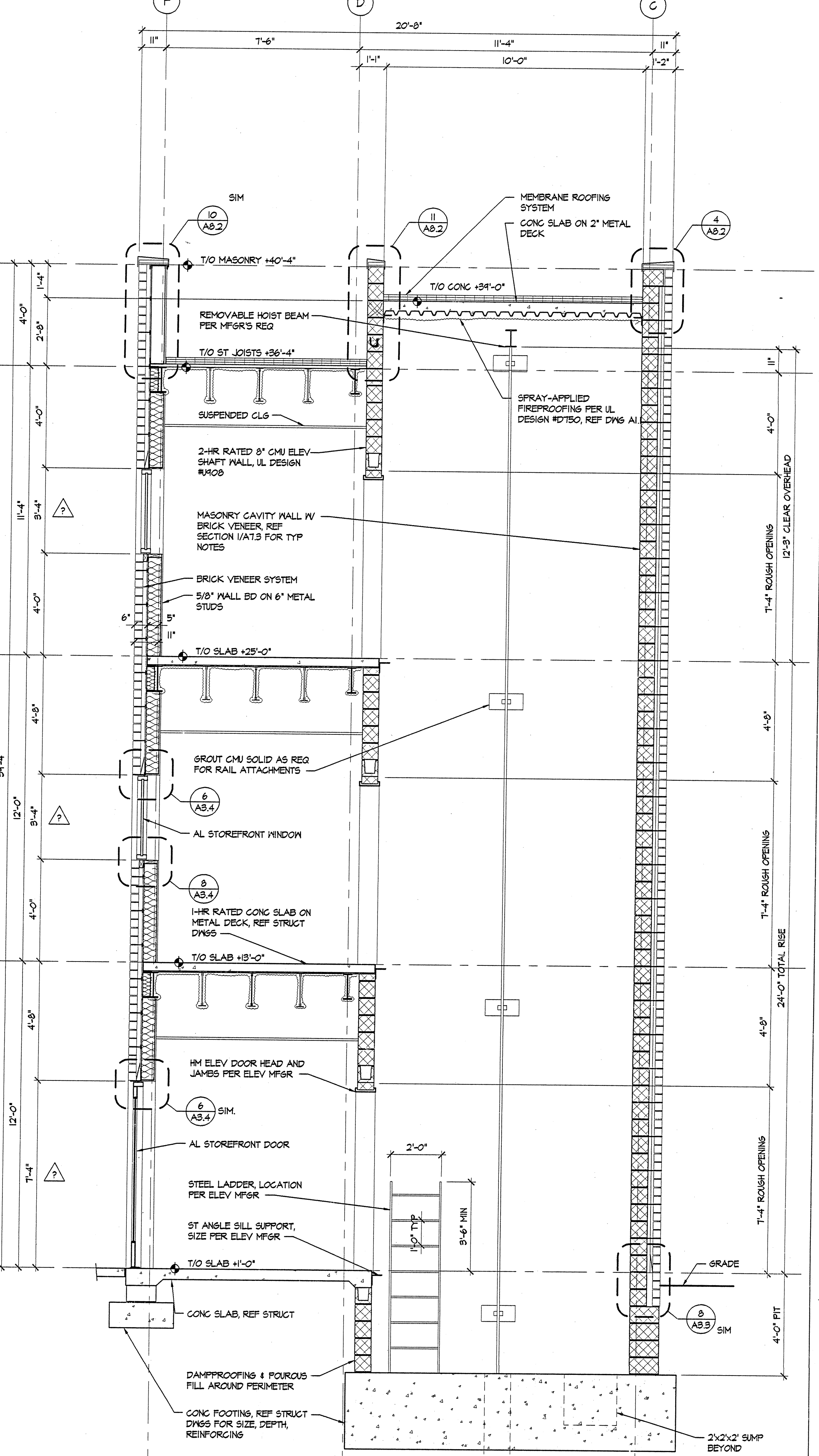
**3 DETAIL** SCALE: 1/2" = 1'-0" AT2, AT3  
**2 DETAIL** SCALE: 1/2" = 1'-0" AT2, AT3



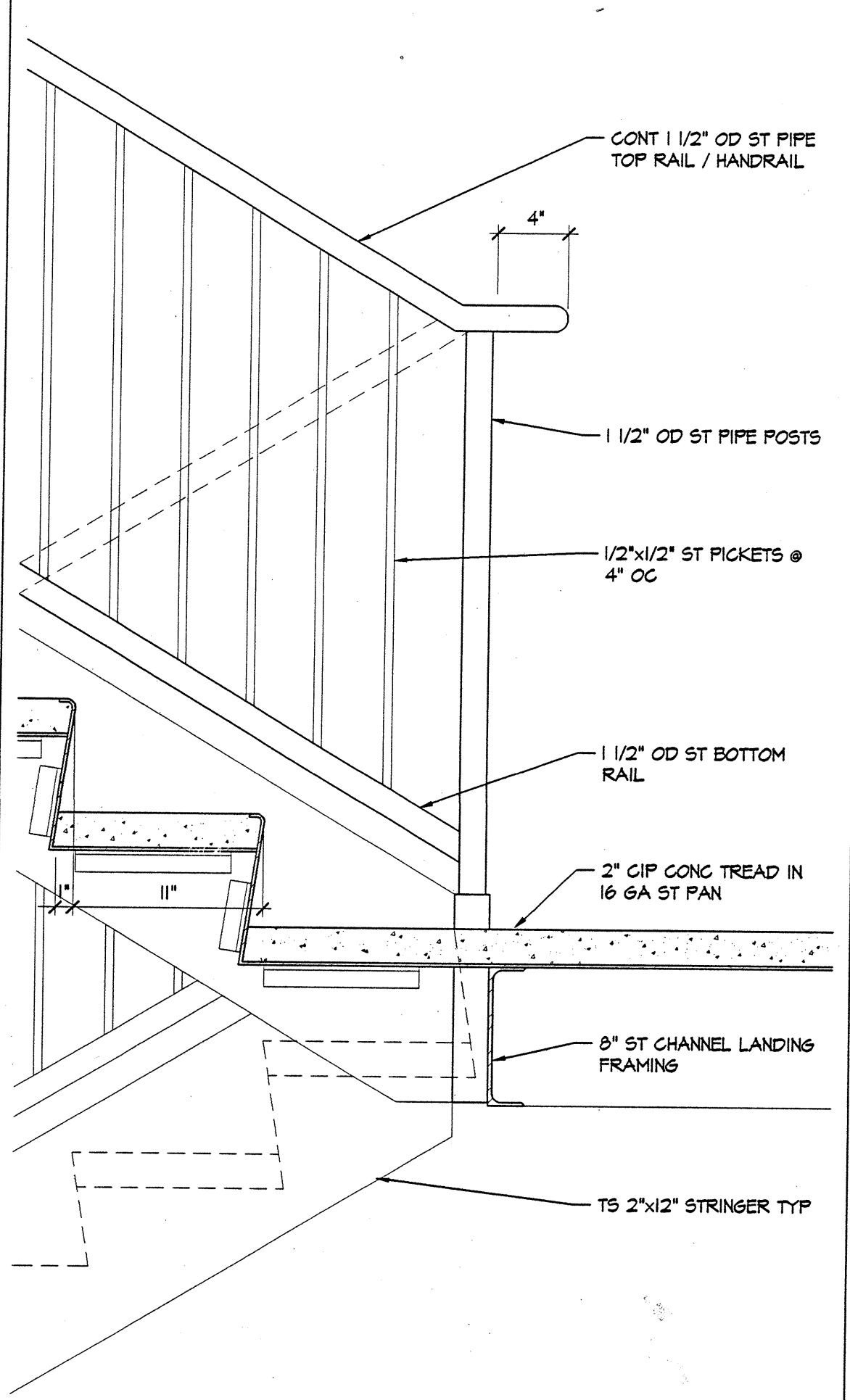
**6 NOT USED**  
**5 NOT USED**



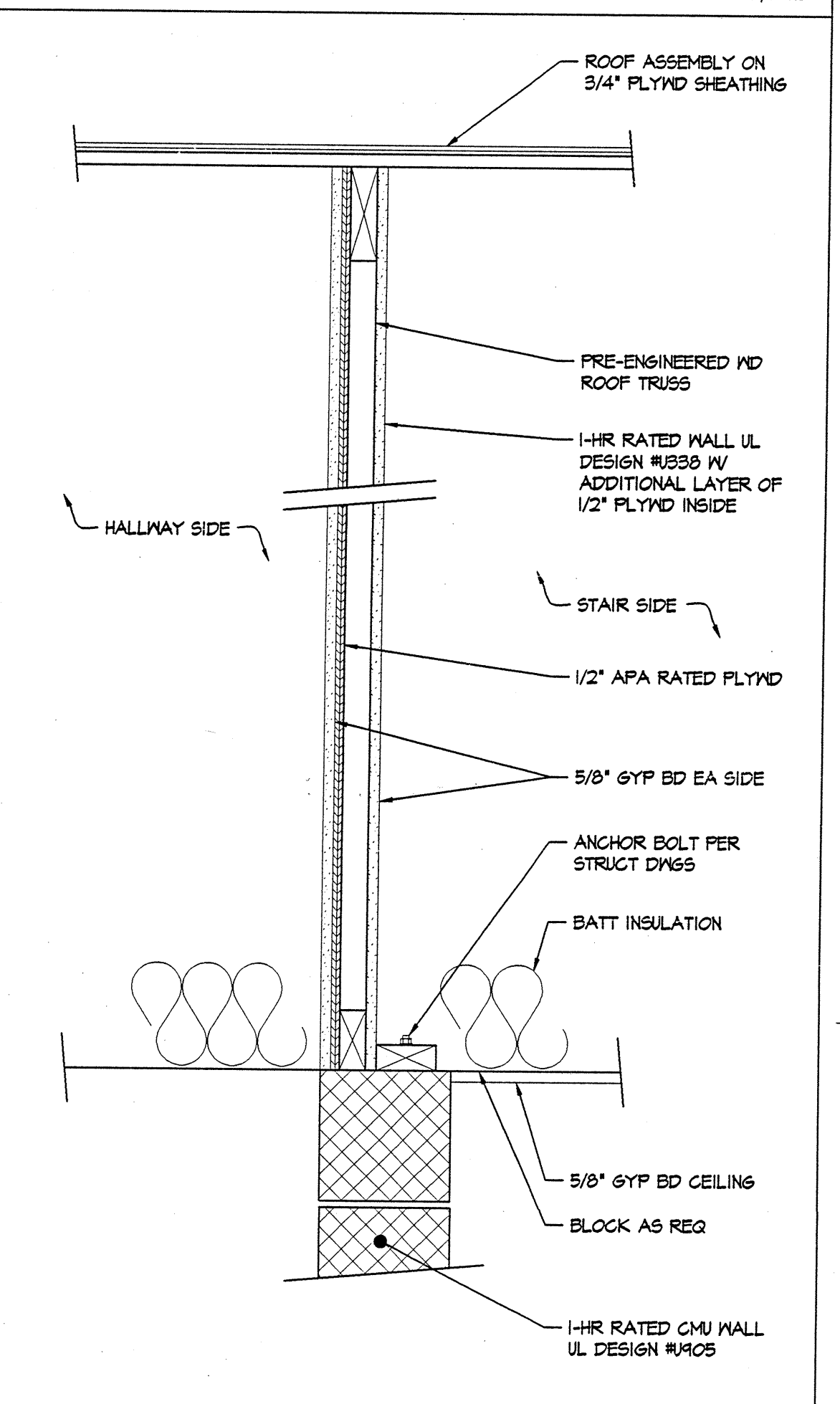
**4 STAIR SECTION** SCALE: 3/8" = 1'-0" A21, A22, A23



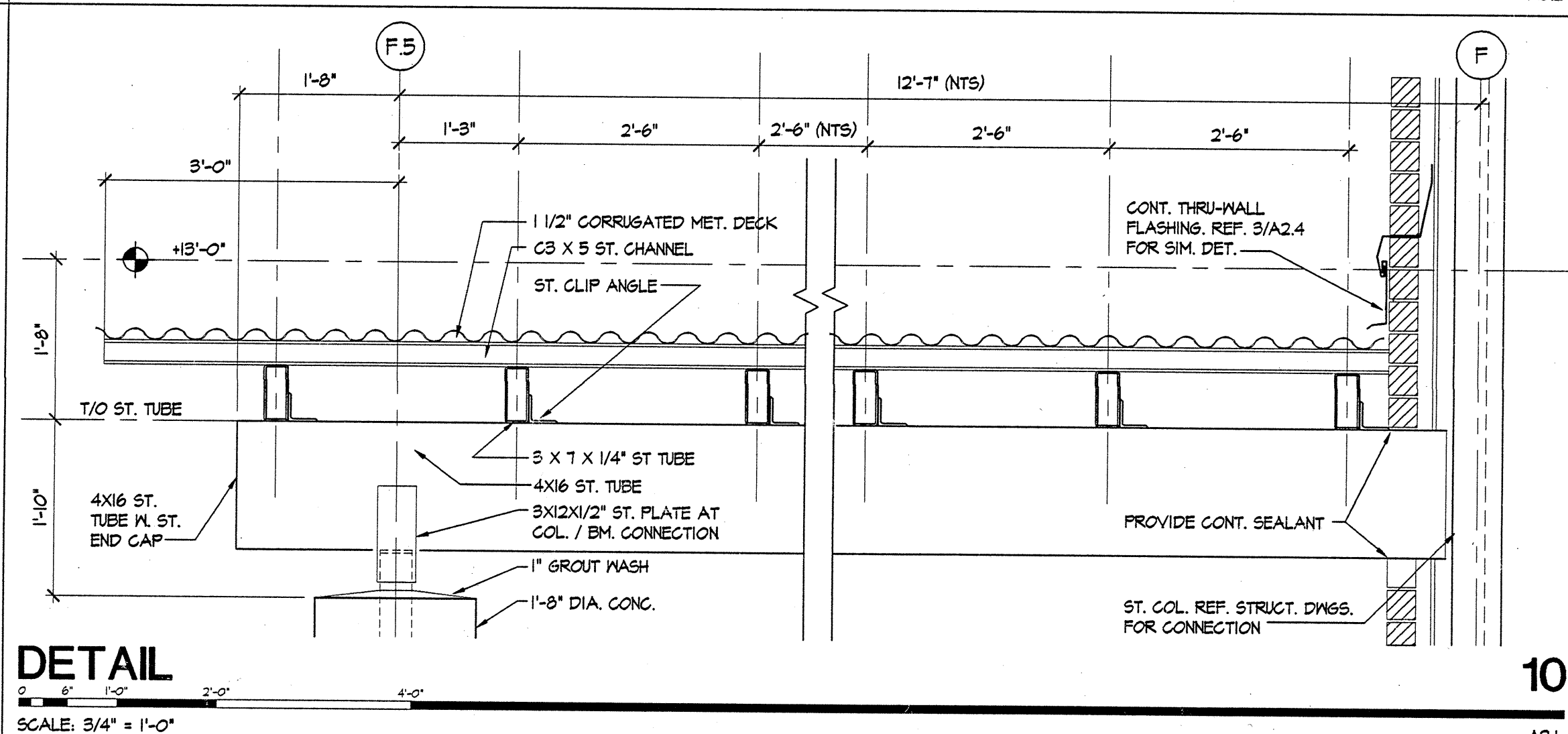
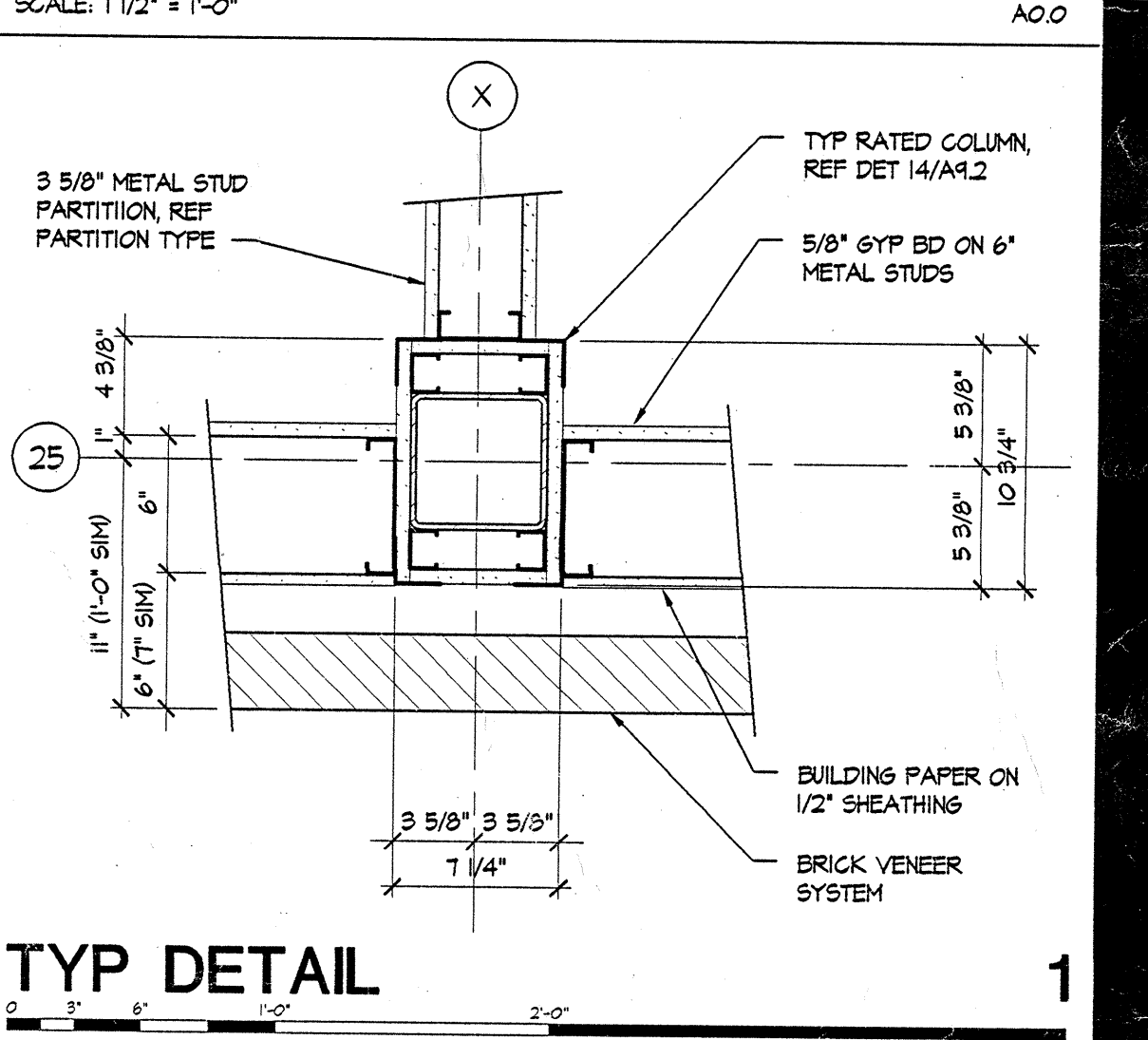
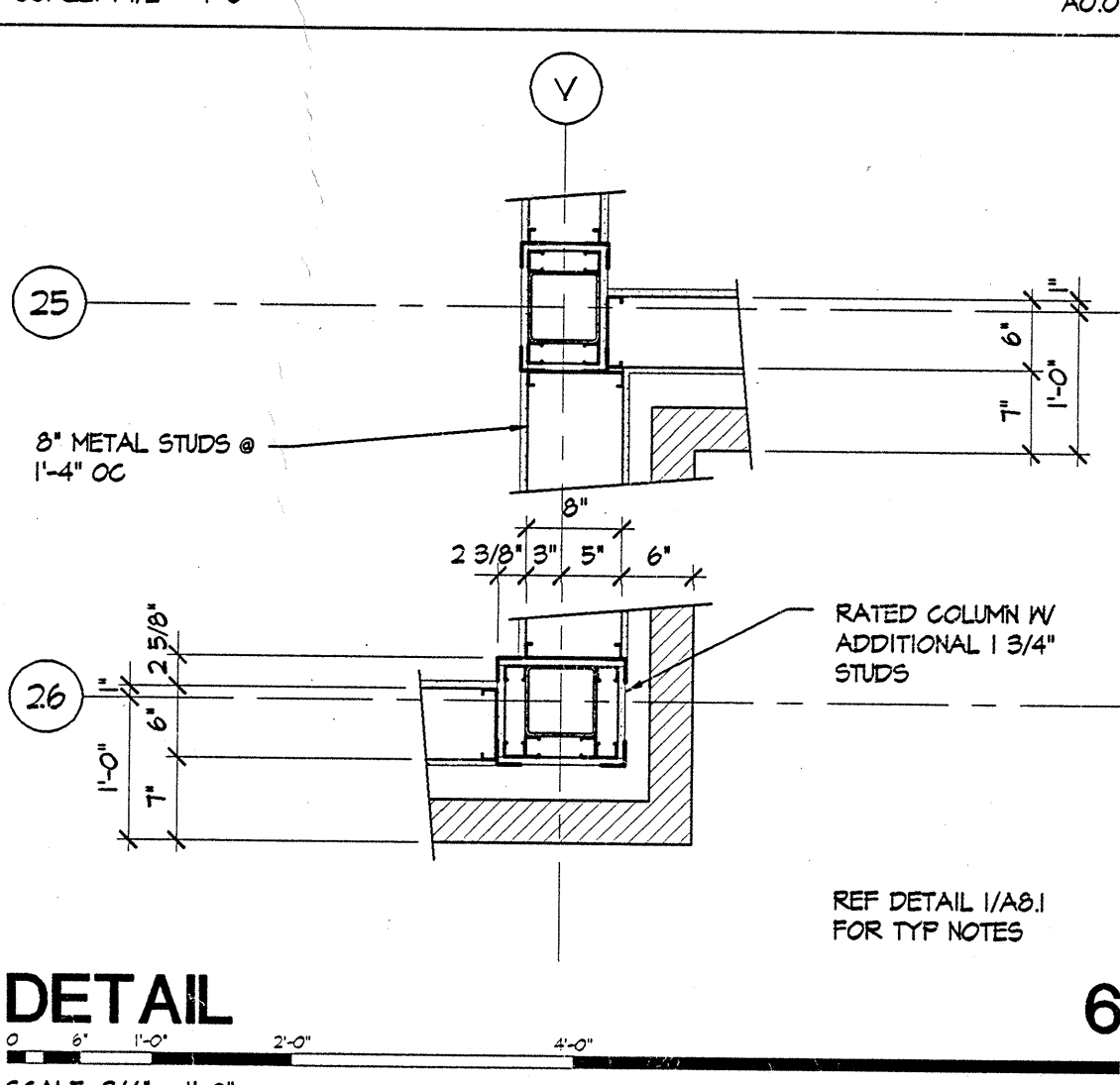
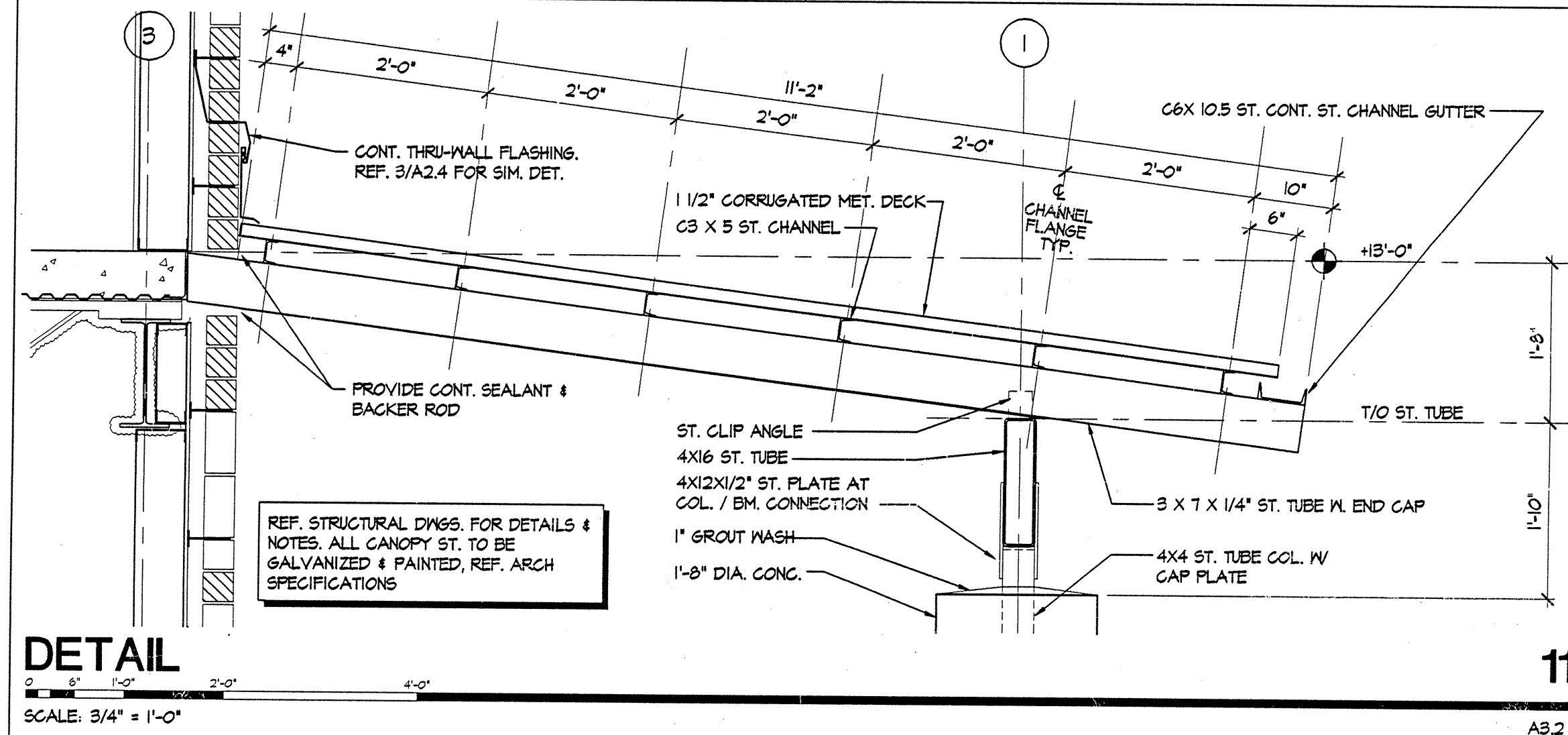
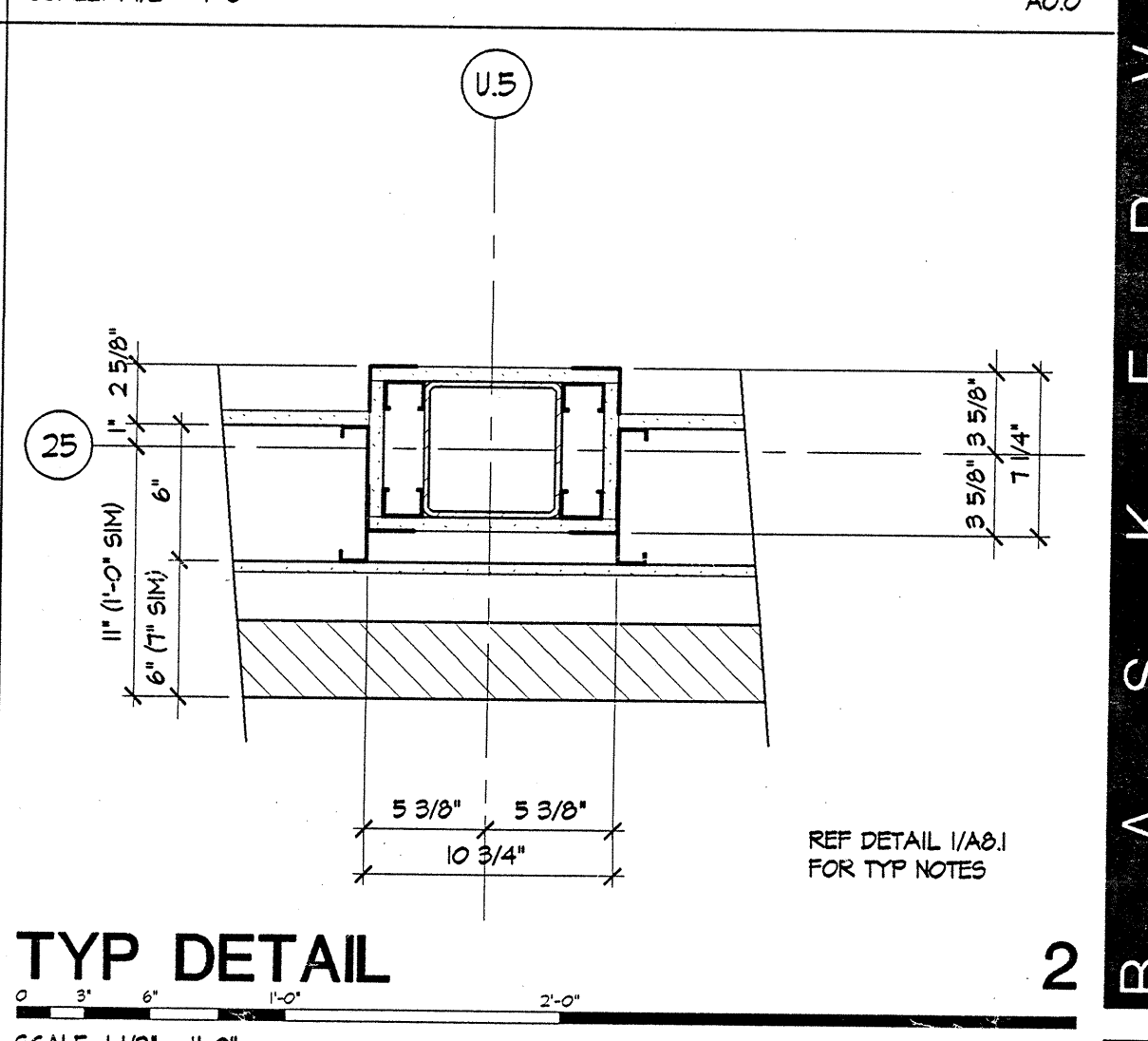
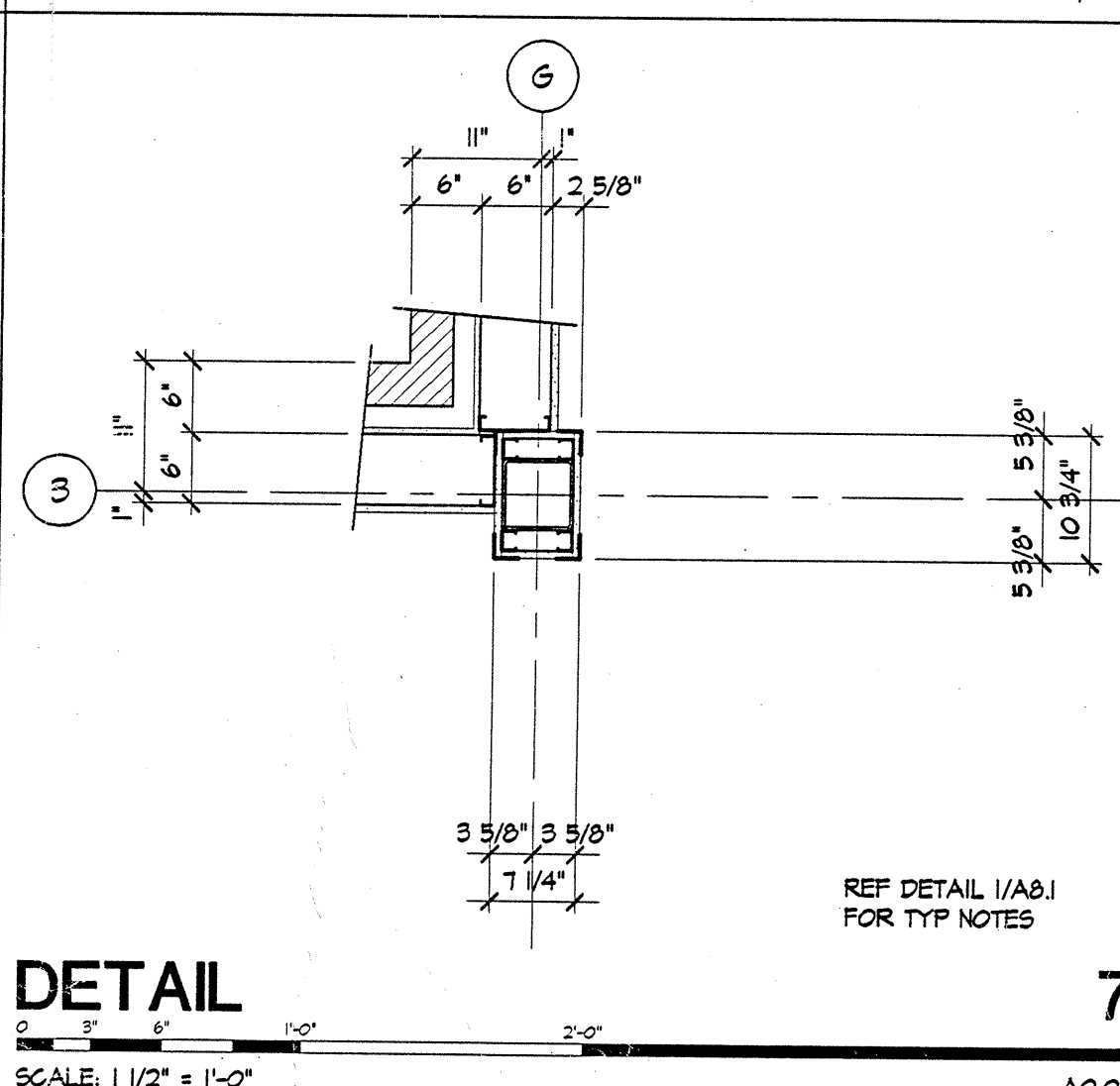
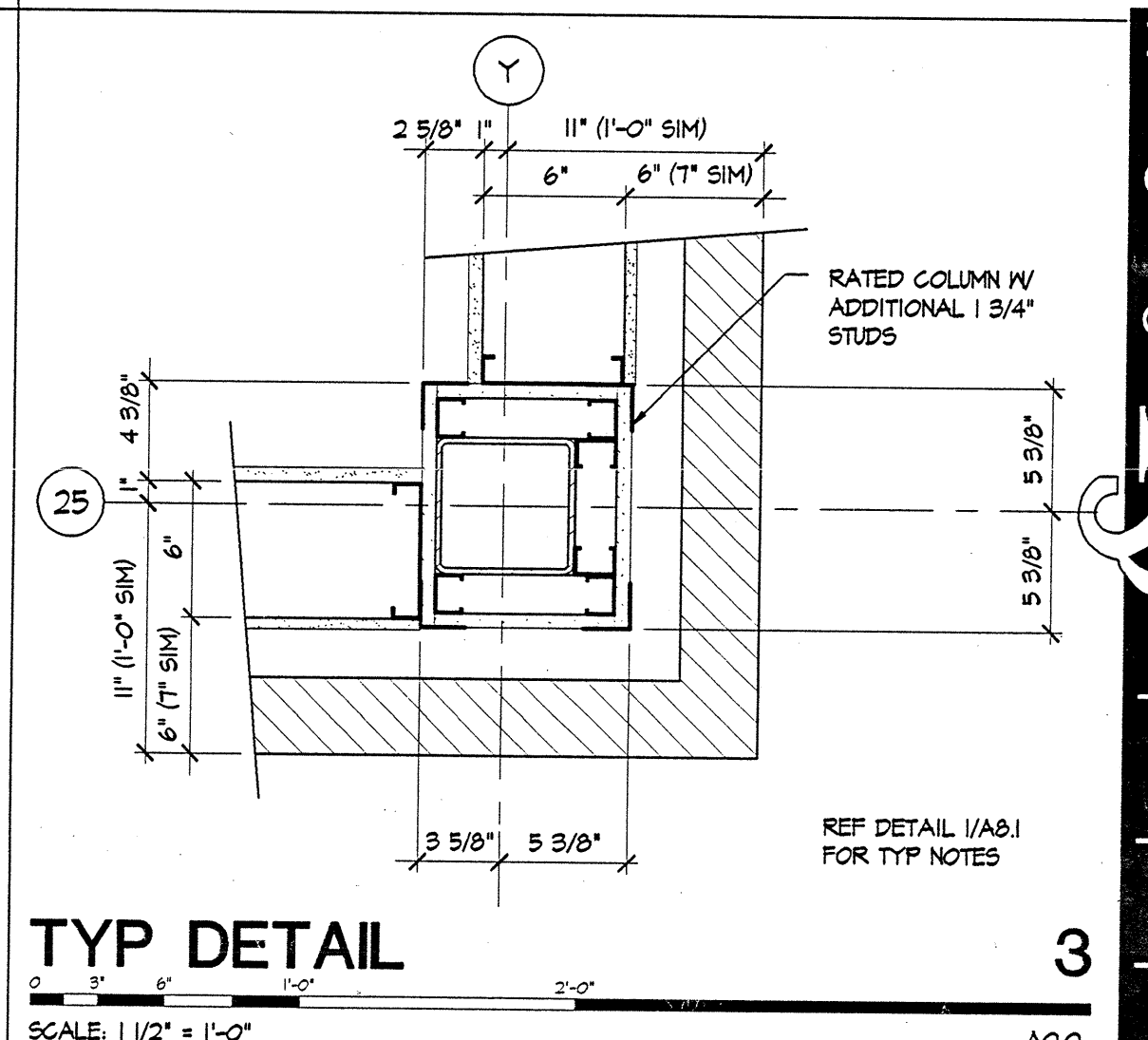
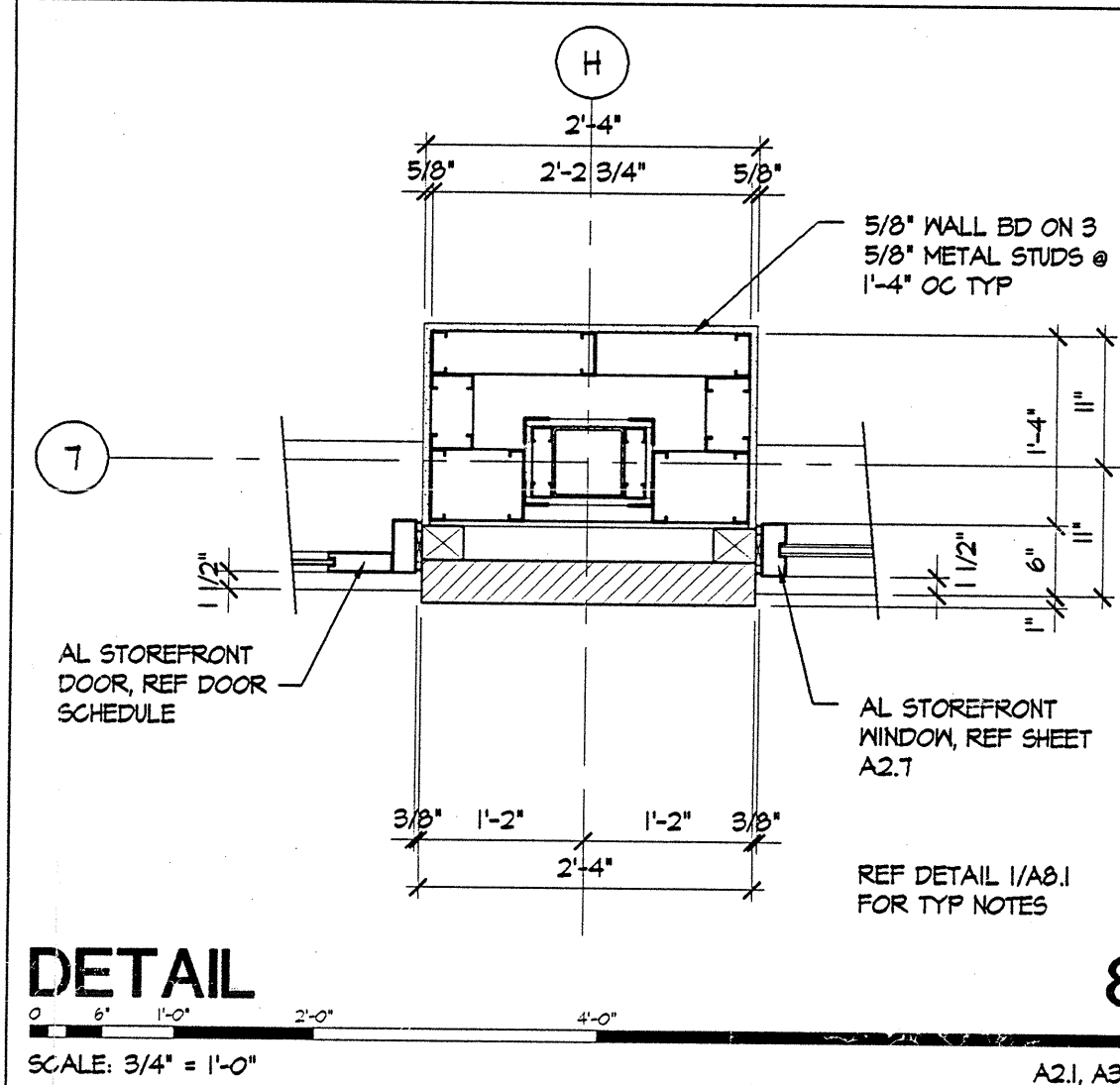
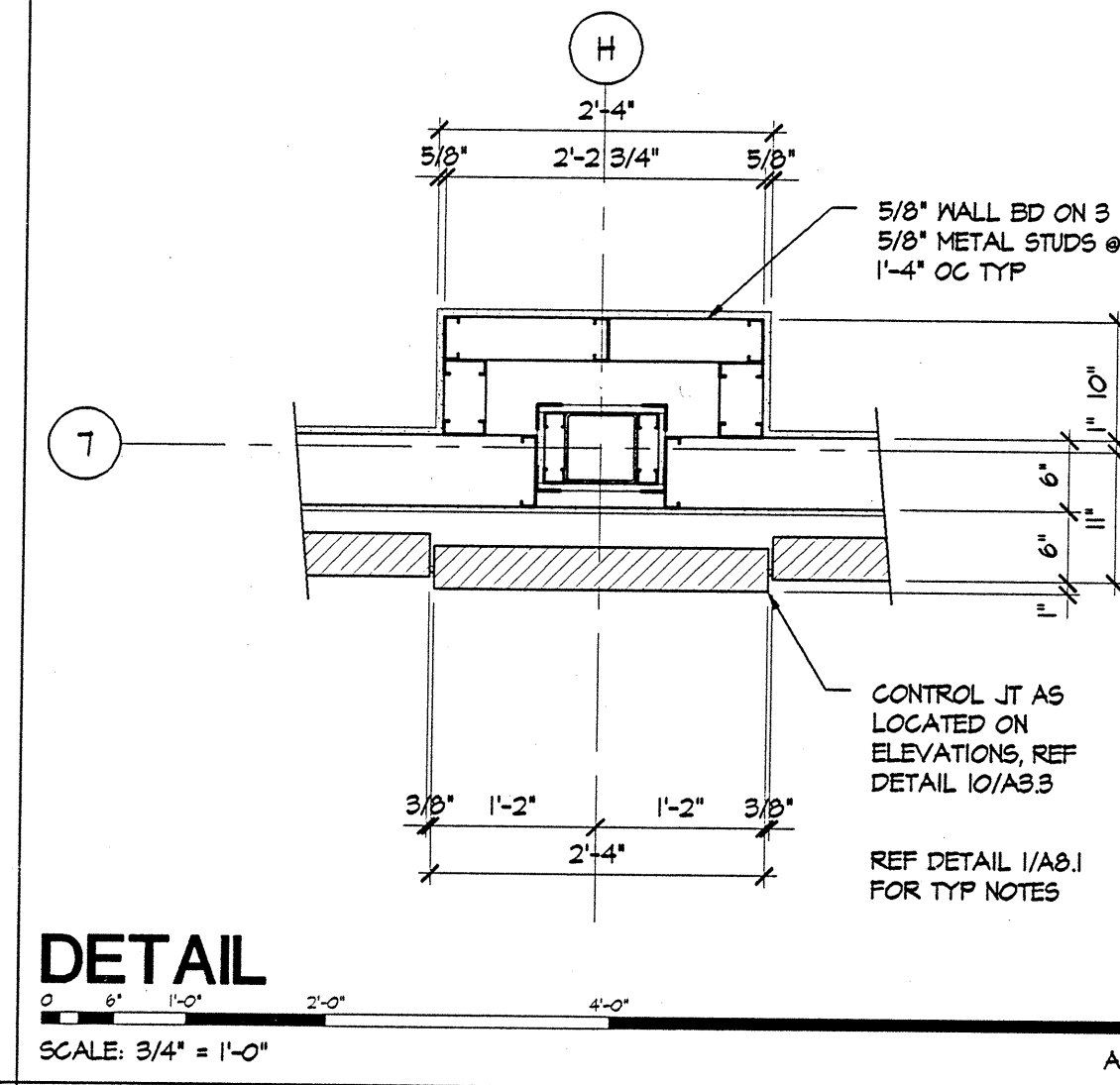
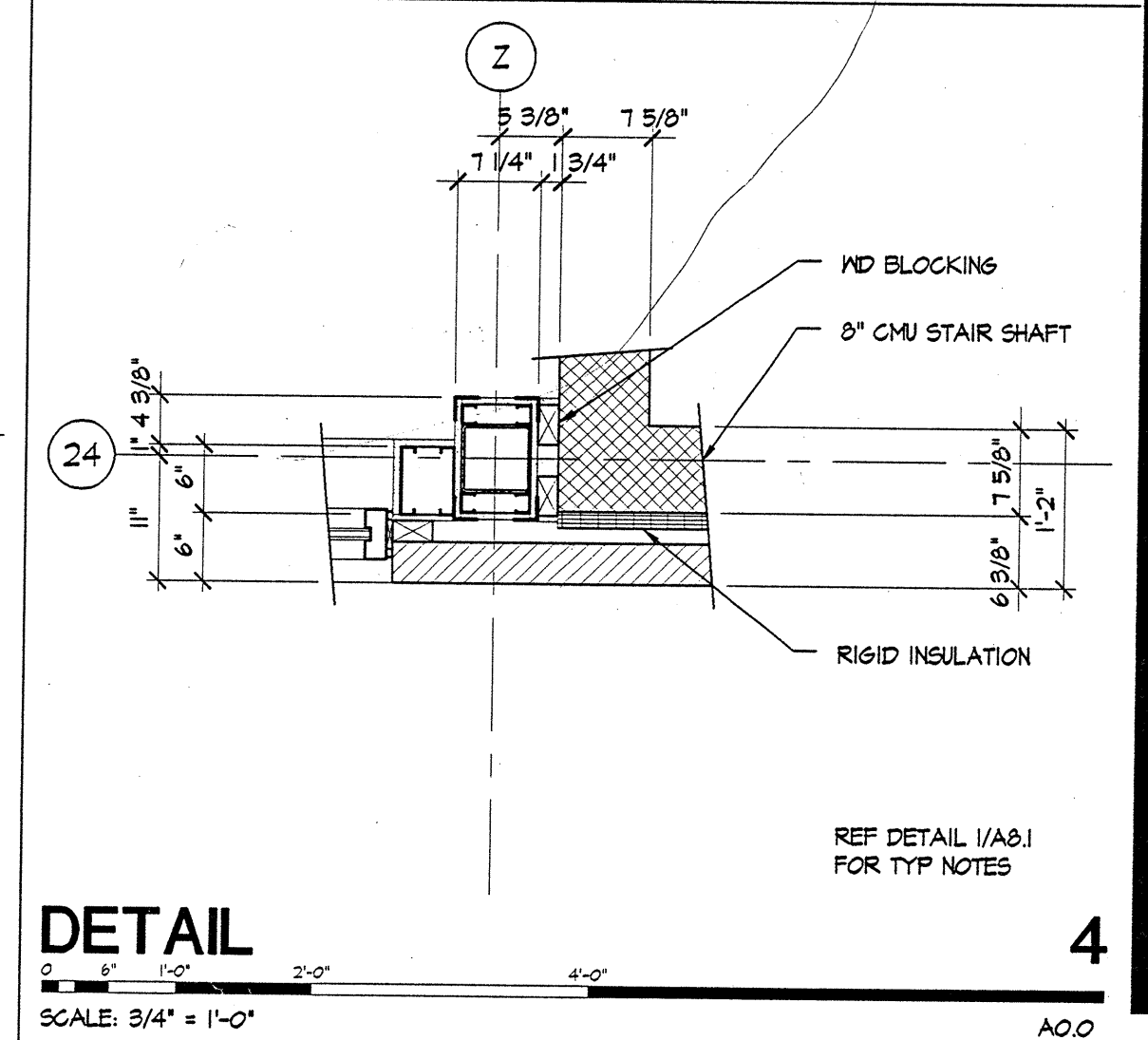
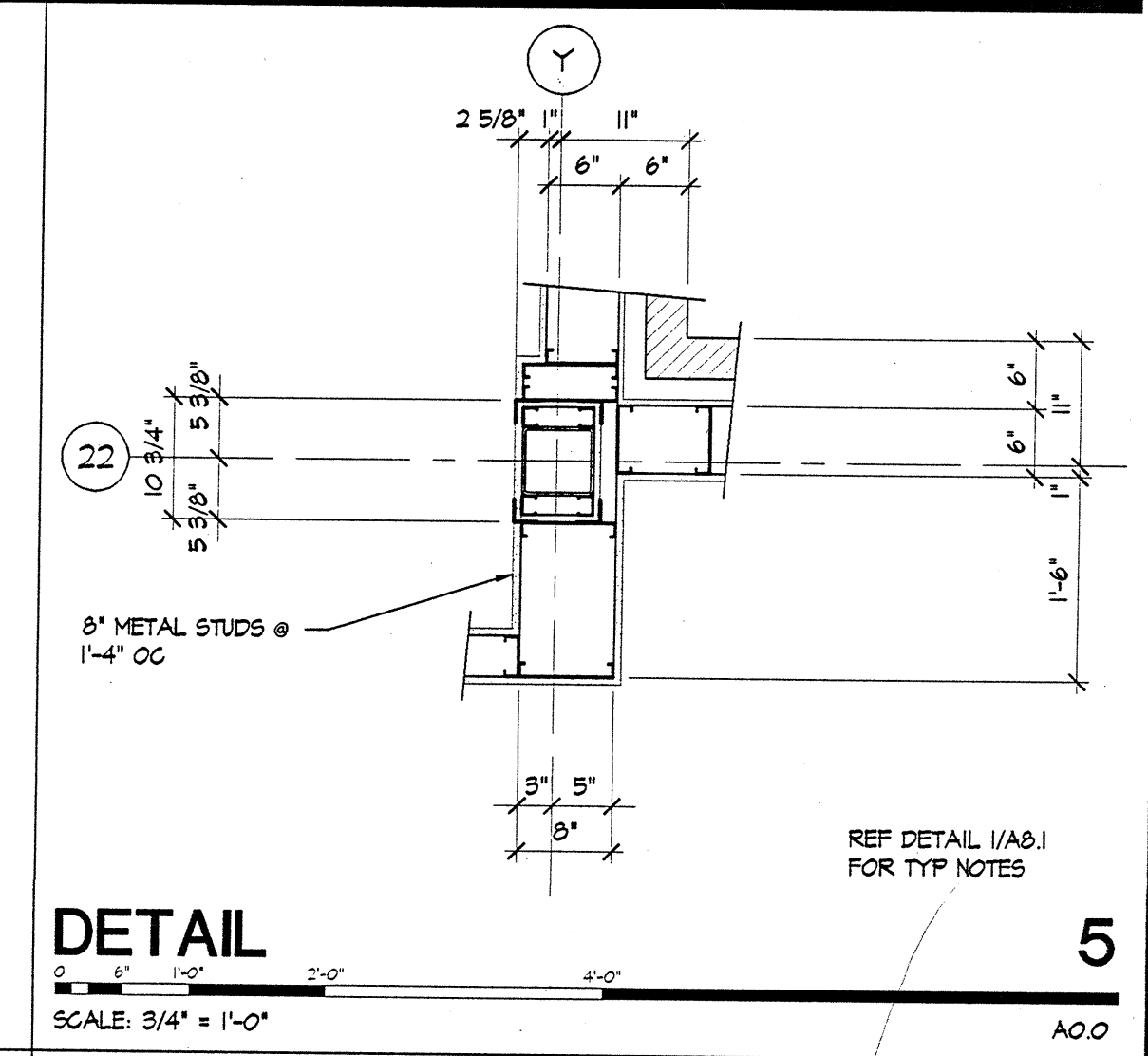
**7 ELEVATOR SECTION** SCALE: 3/8" = 1'-0" A21, A22, A23

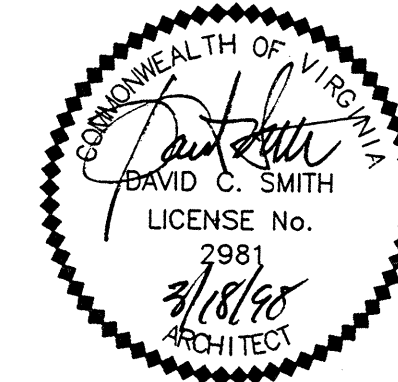


**DETAIL** SCALE: 1/2" = 1'-0" AT2, AT3

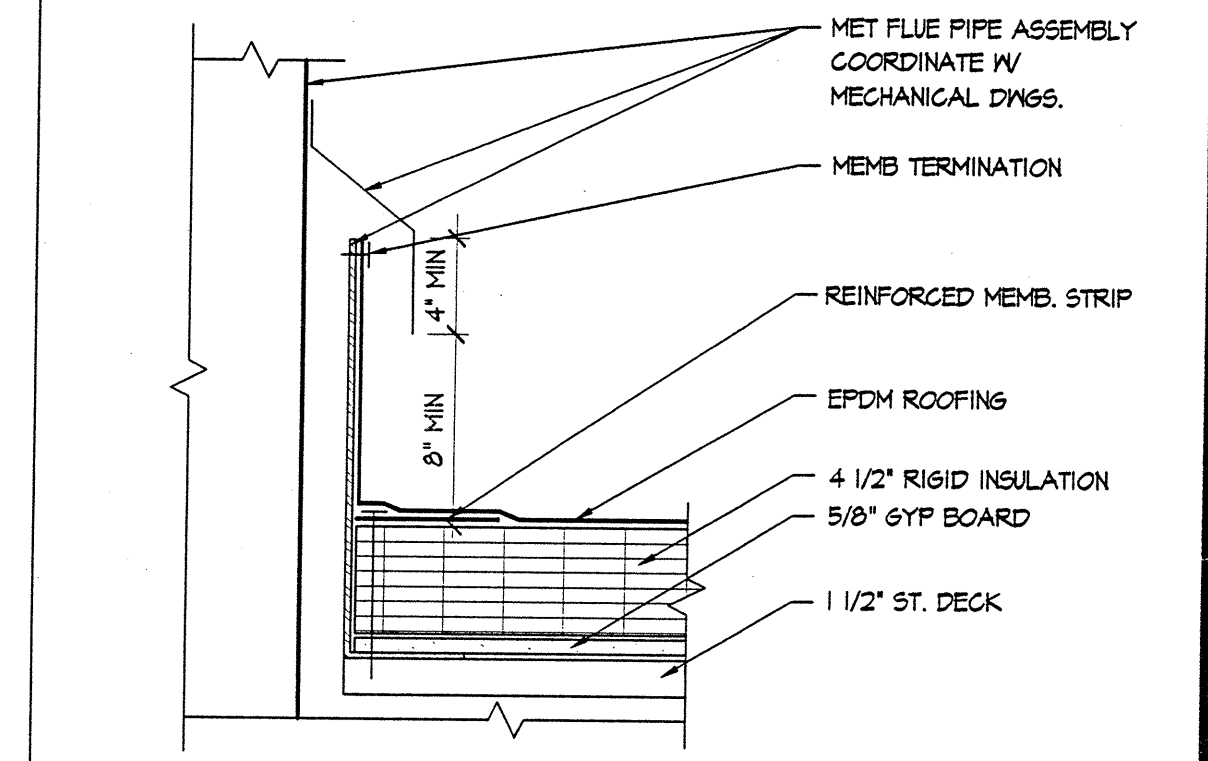


**SECTION** SCALE: 1/2" = 1'-0" AT3

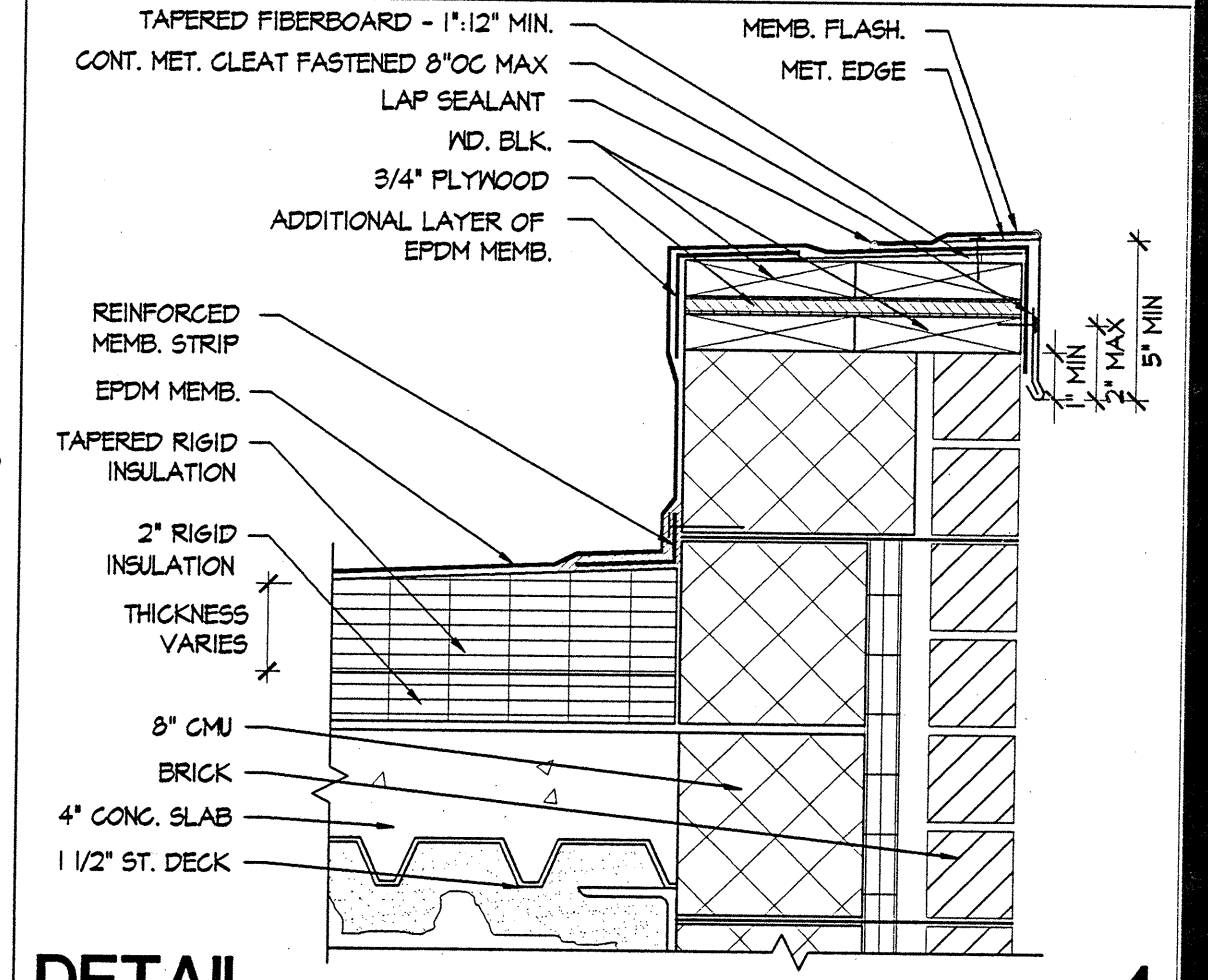




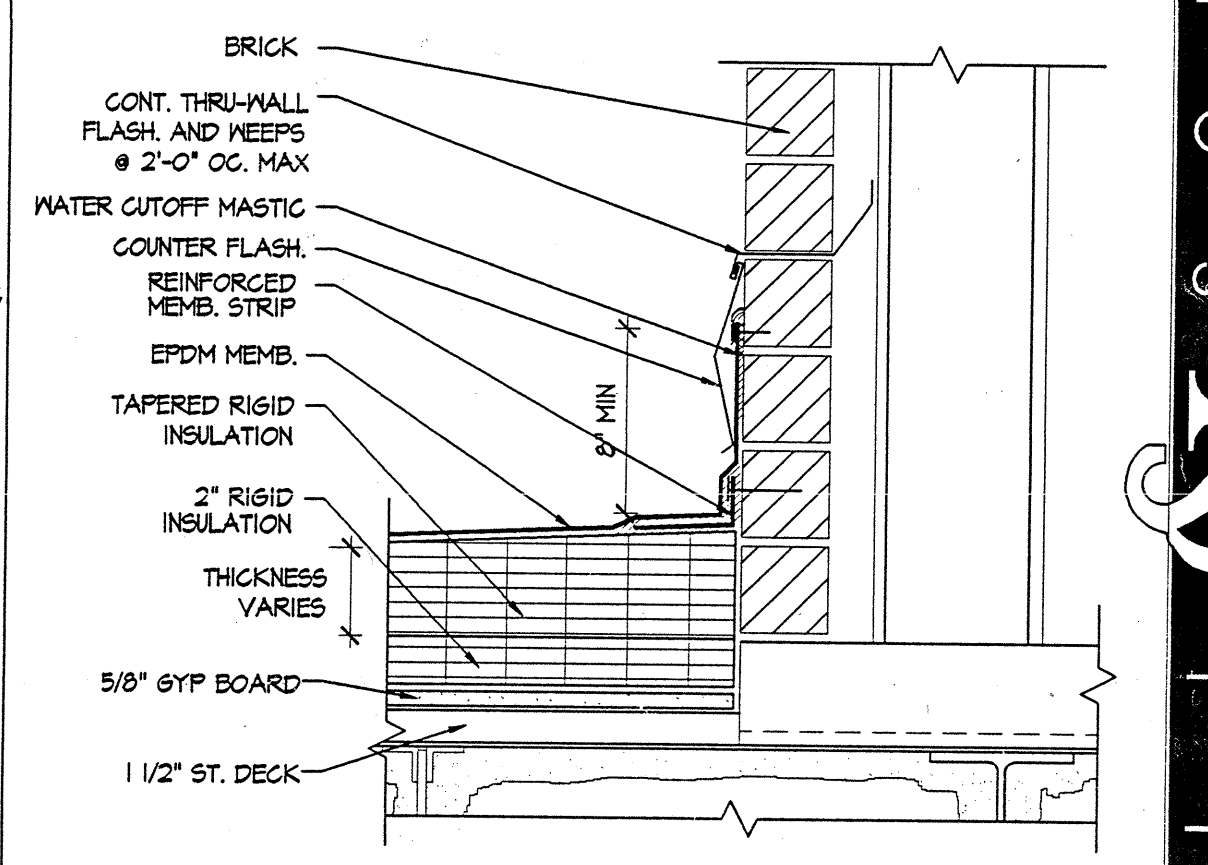
BASKERVILLE & SON



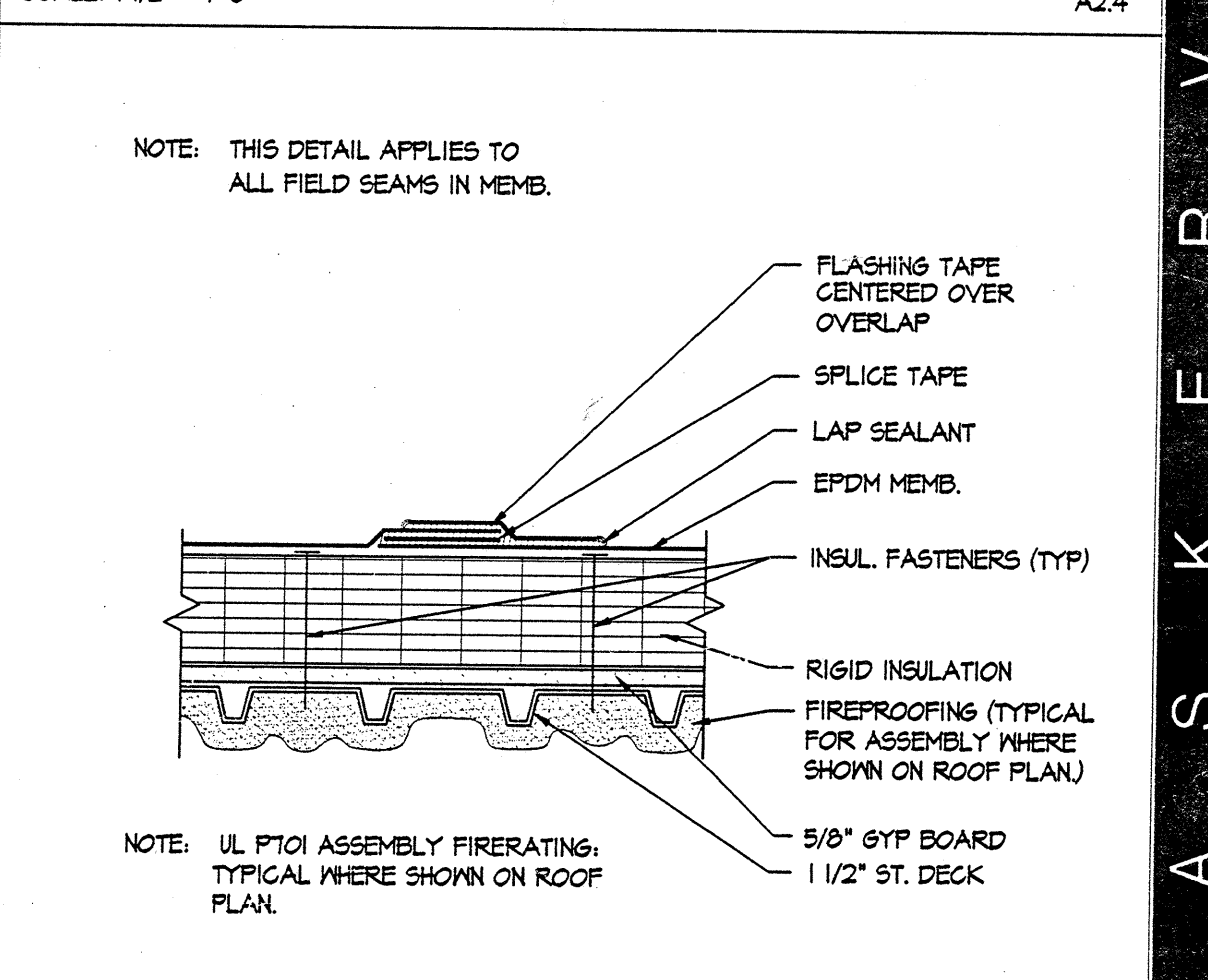
DETAIL 5 SCALE: 1/2" = 1'-0" A2.4



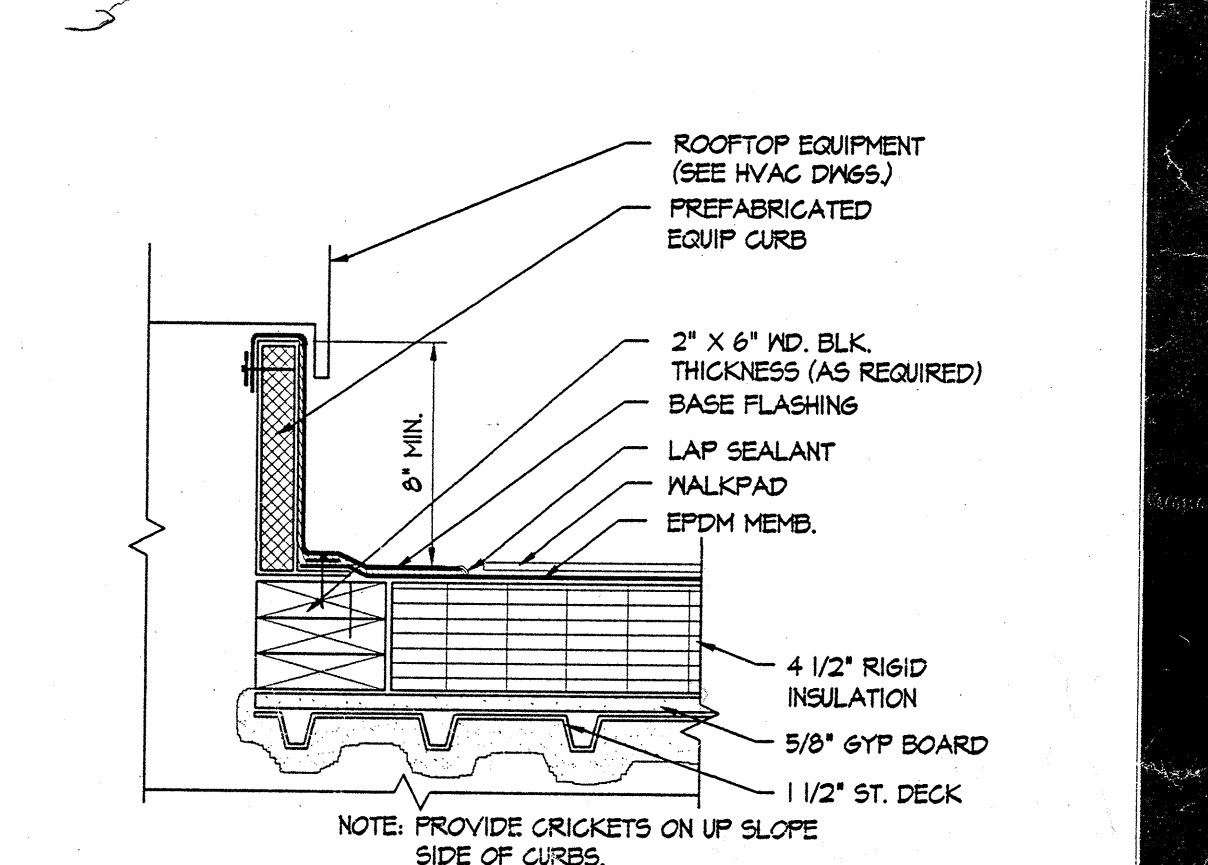
DETAIL 4 SCALE: 1/2" = 1'-0" A2.4



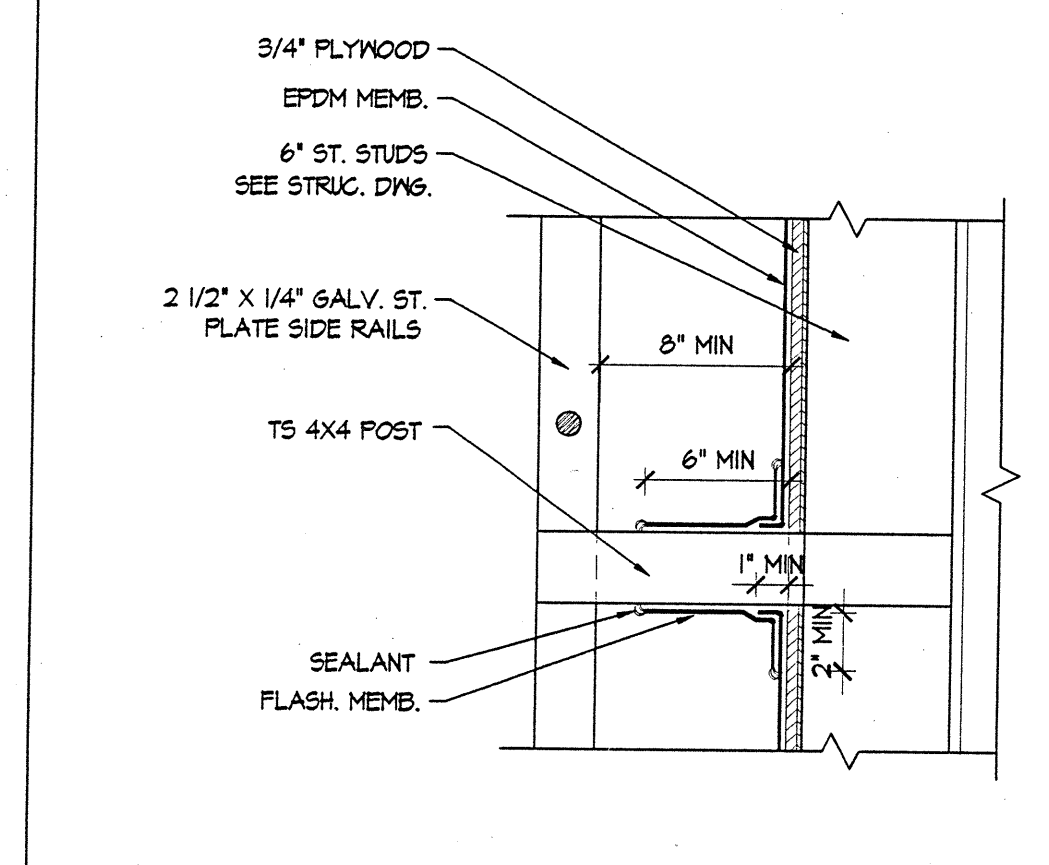
DETAIL 3 SCALE: 1/2" = 1'-0" A2.4



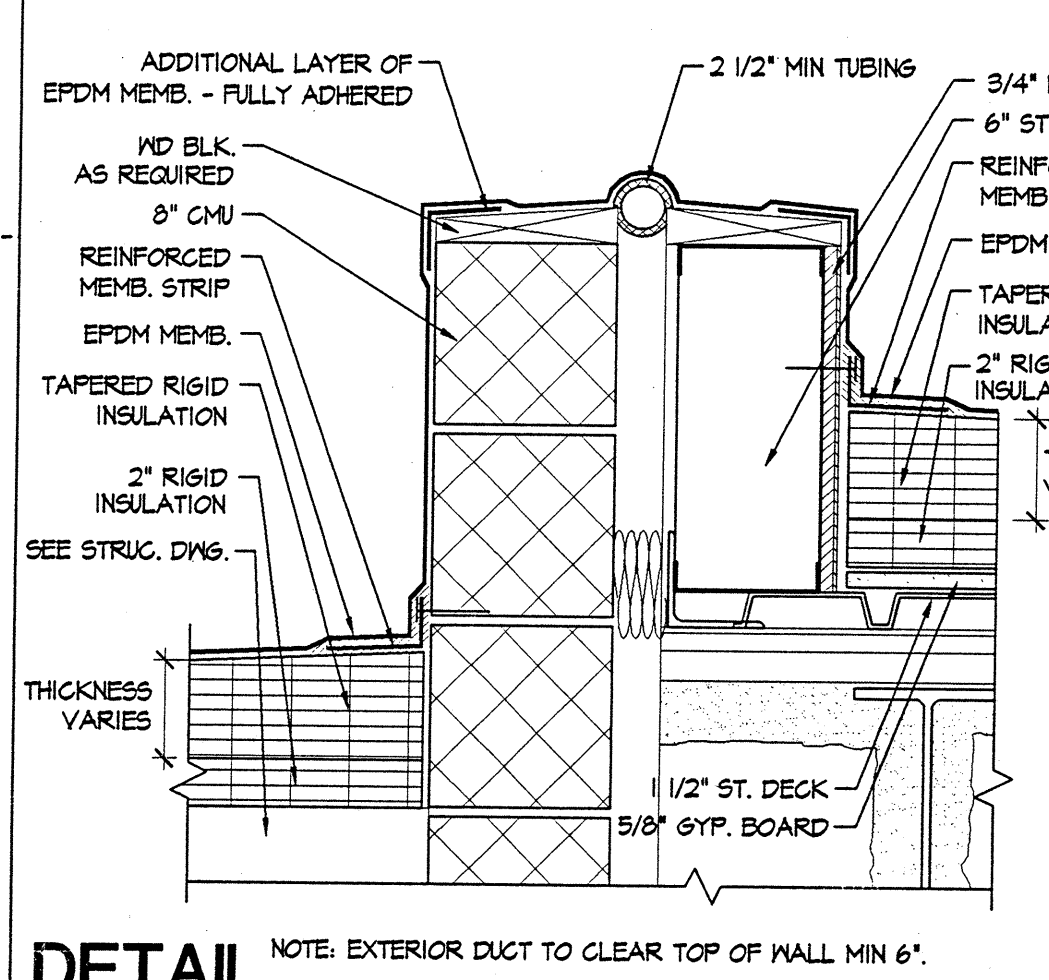
DETAIL 2 SCALE: 1/2" = 1'-0" A2.4



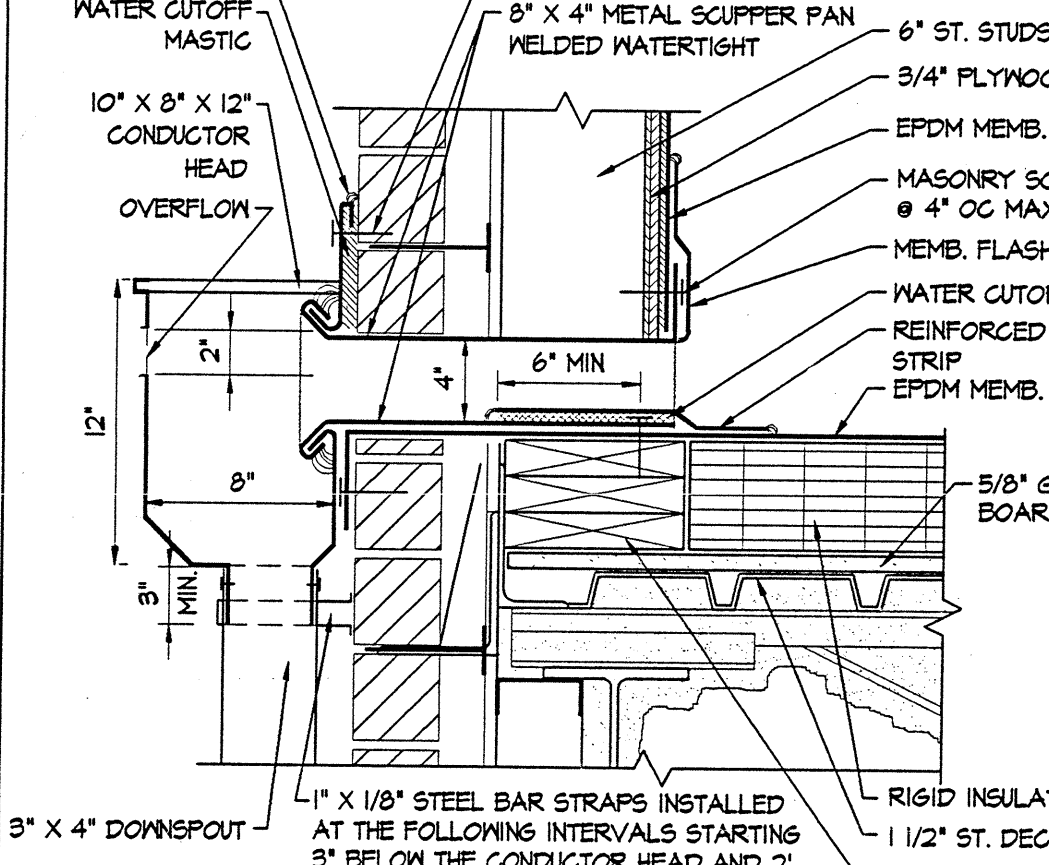
DETAIL 1 SCALE: 1/2" = 1'-0" A2.4



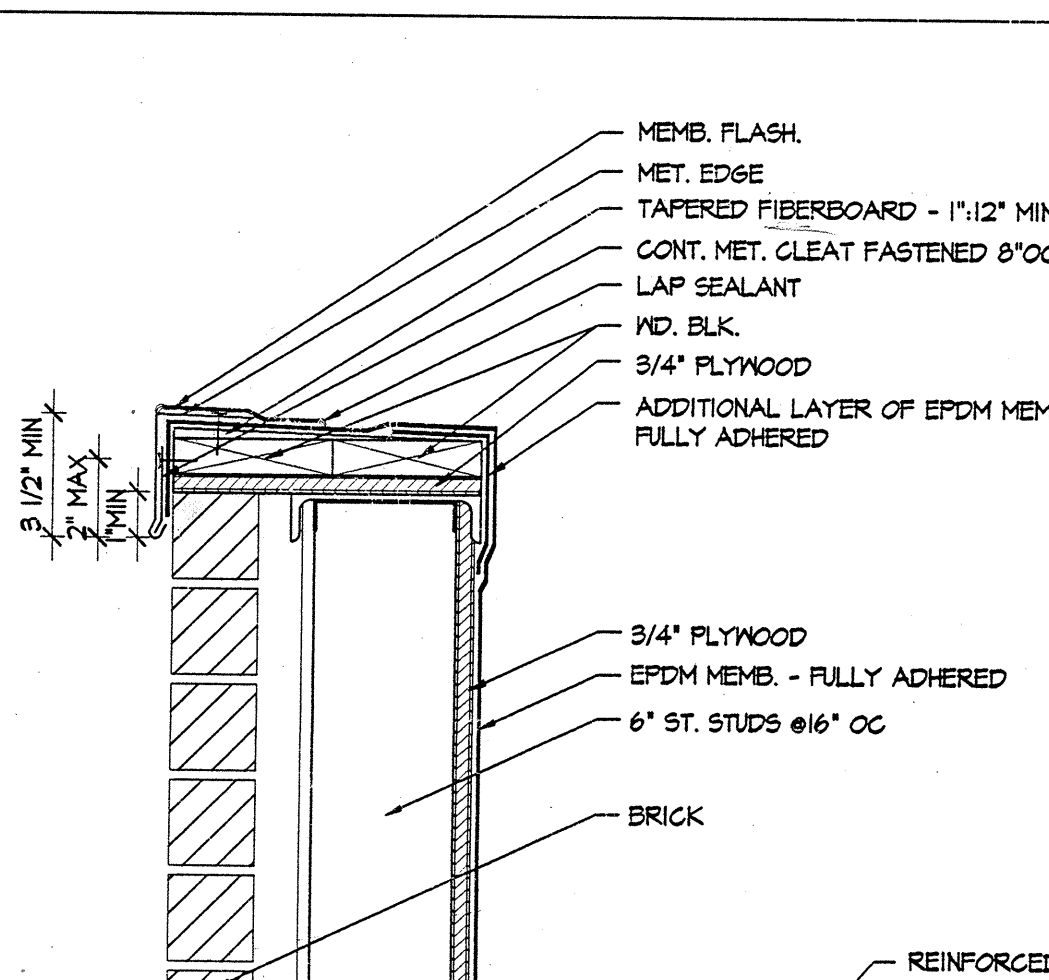
DETAIL 12 SCALE: 1/2" = 1'-0" A2.4



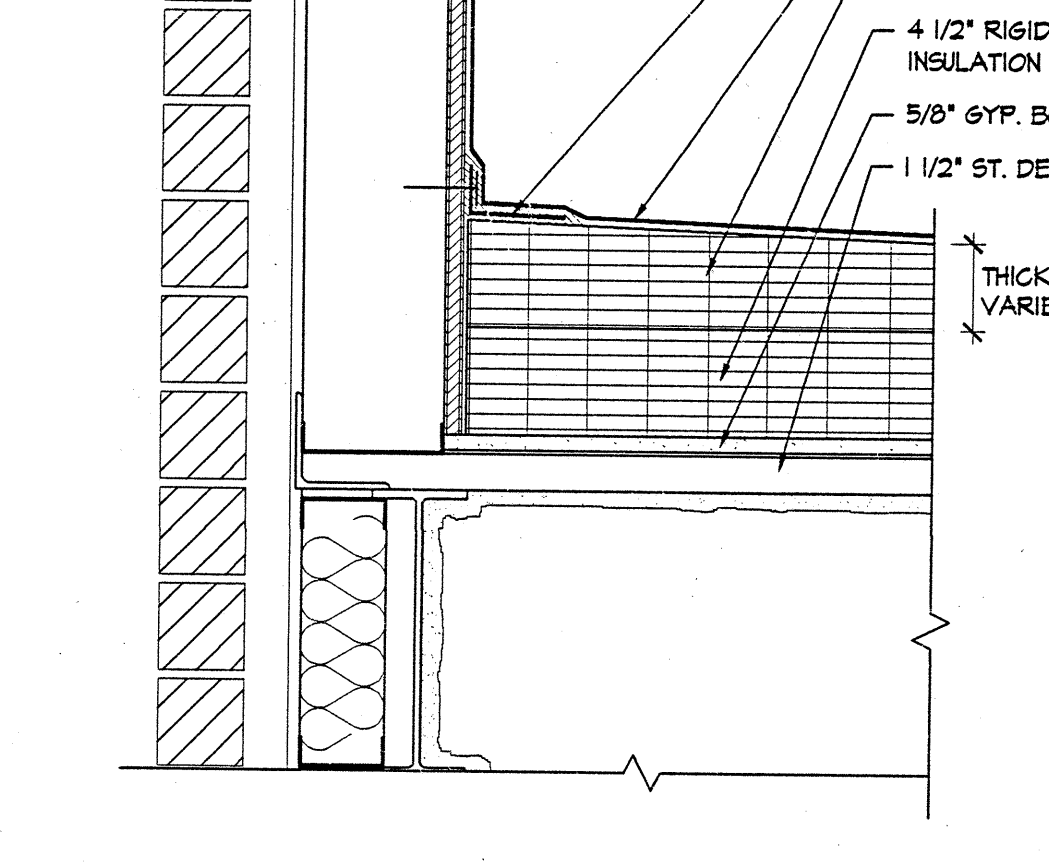
DETAIL 8 SCALE: 1/2" = 1'-0" A2.4



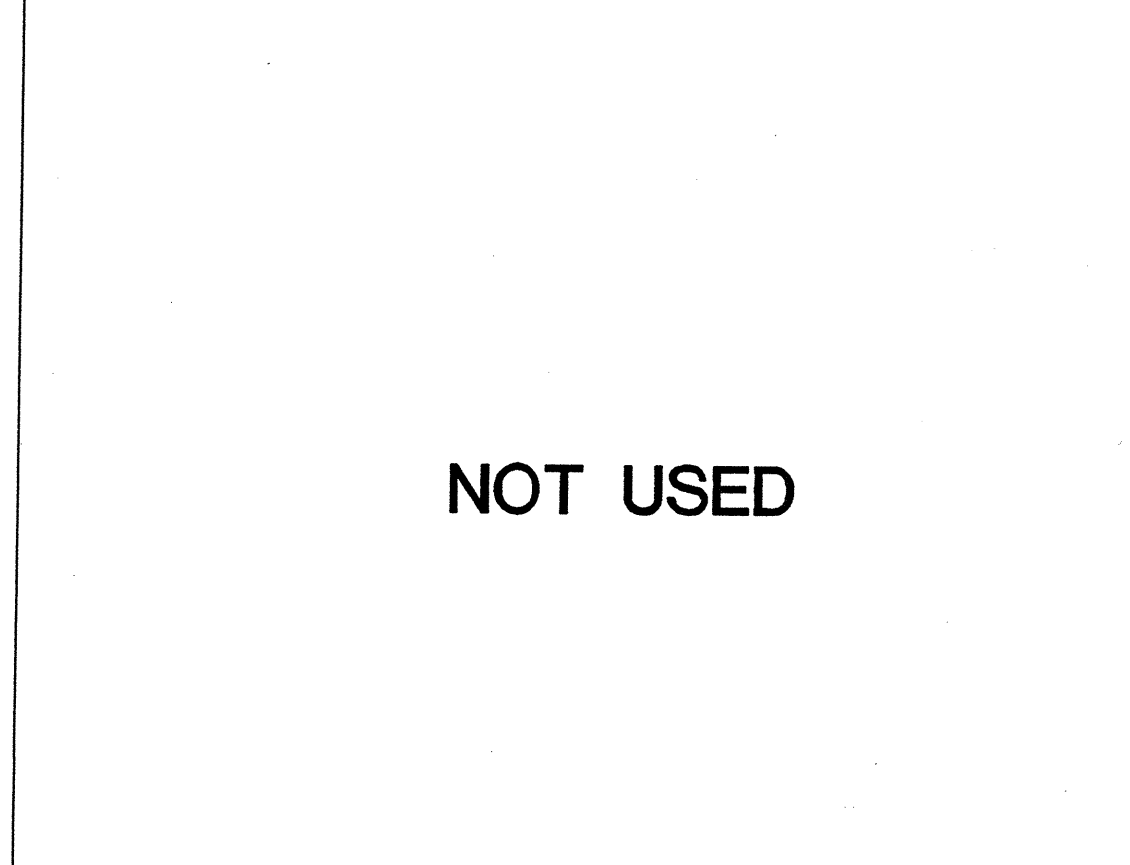
DETAIL 7 SCALE: 1/2" = 1'-0" A2.4



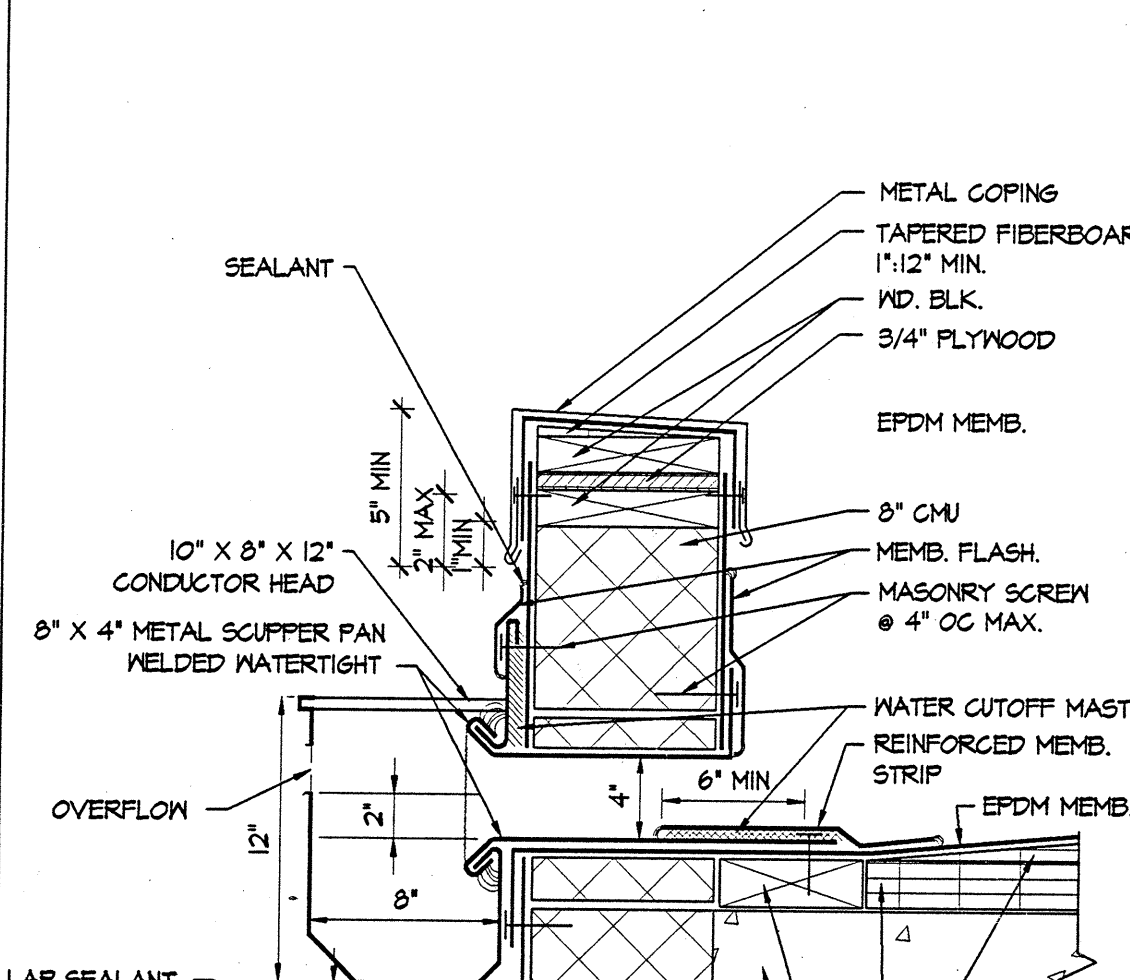
DETAIL 6 SCALE: 1/2" = 1'-0" A2.4



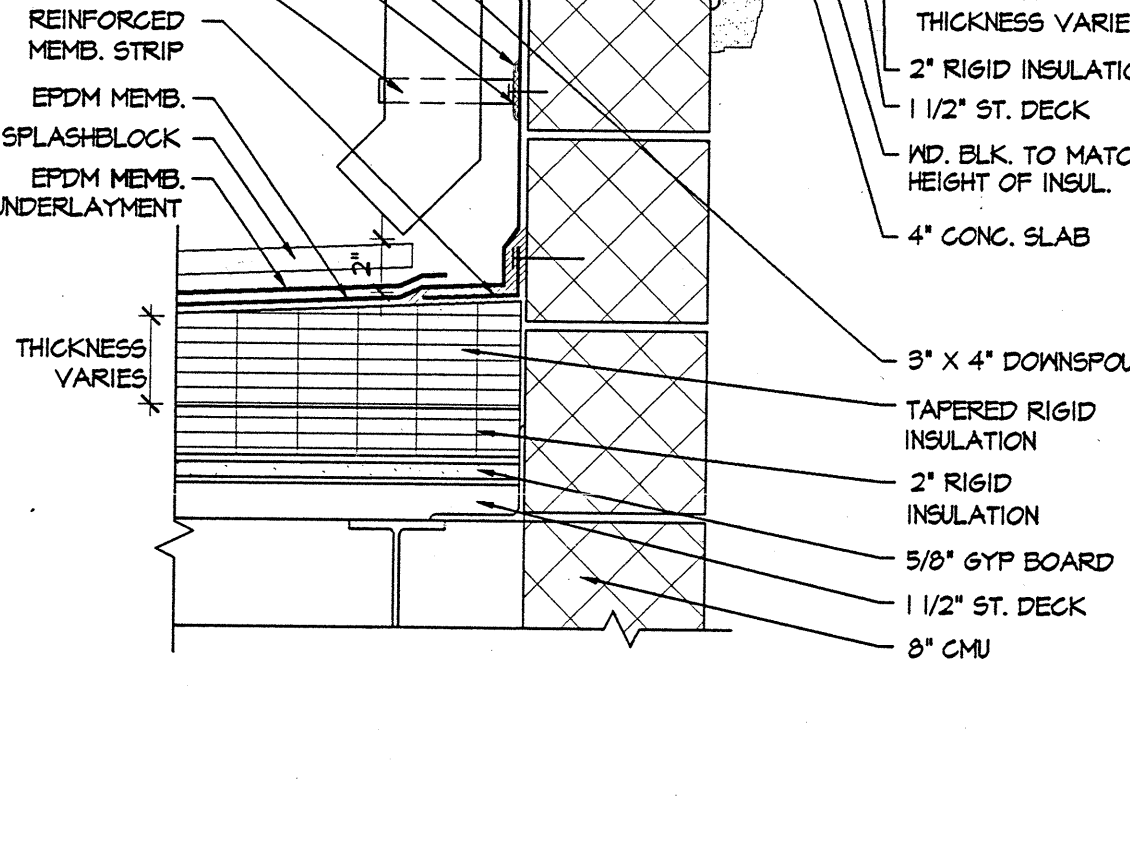
DETAIL 10 SCALE: 1/2" = 1'-0" A2.4



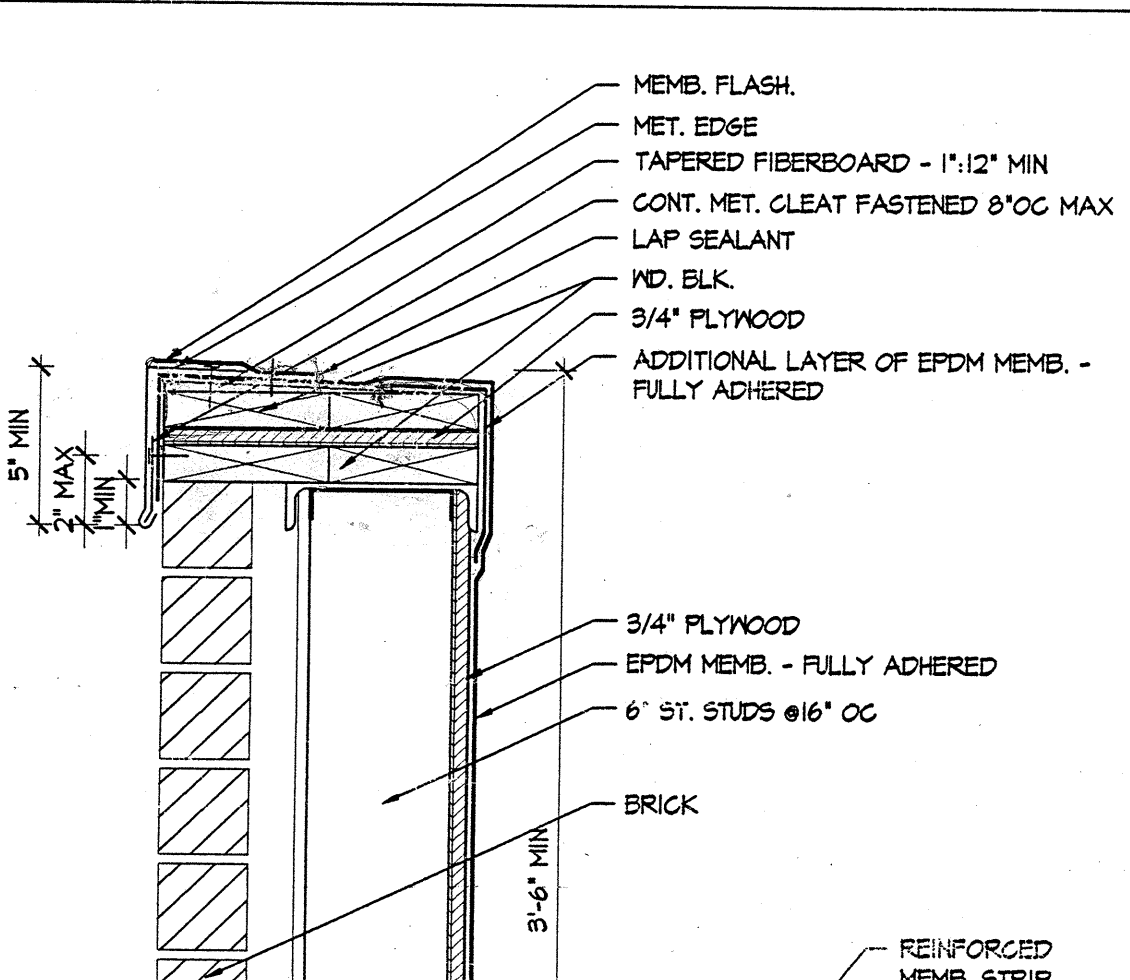
DETAIL 11 SCALE: 1/2" = 1'-0" A2.4



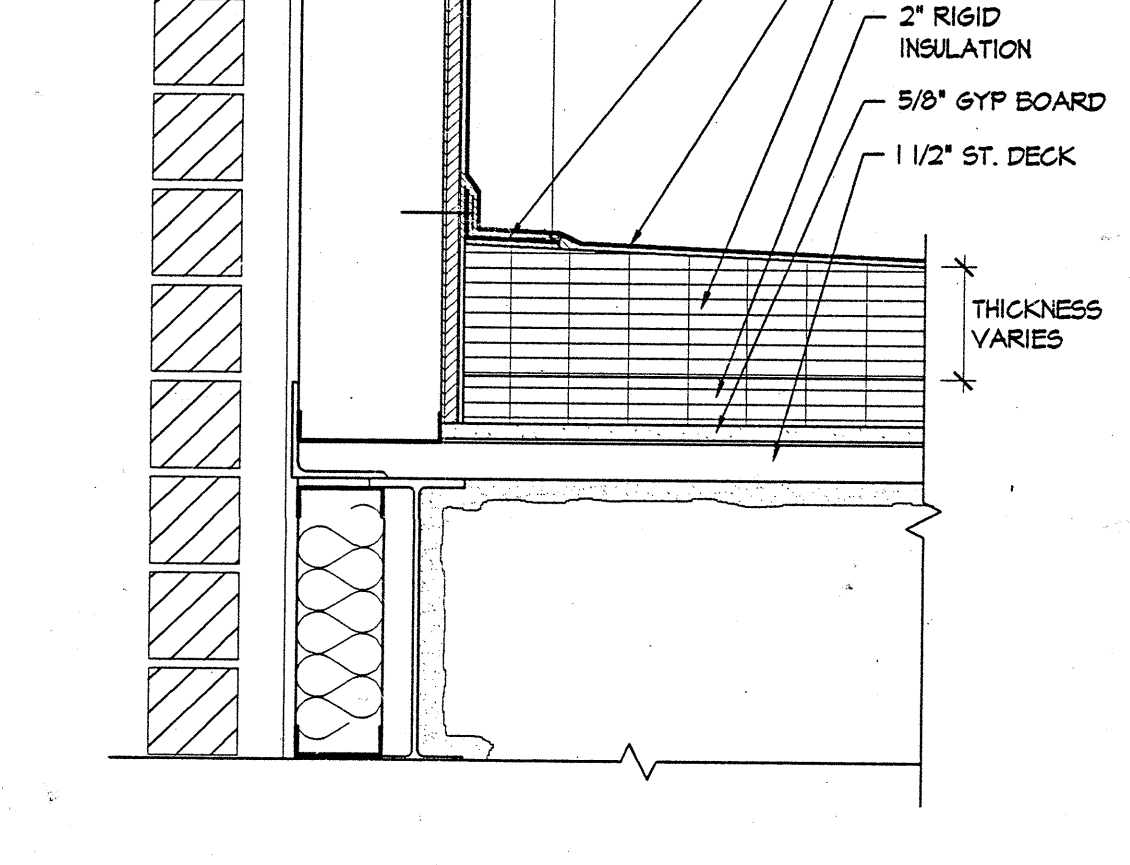
DETAIL 13 SCALE: 1/2" = 1'-0" A2.4



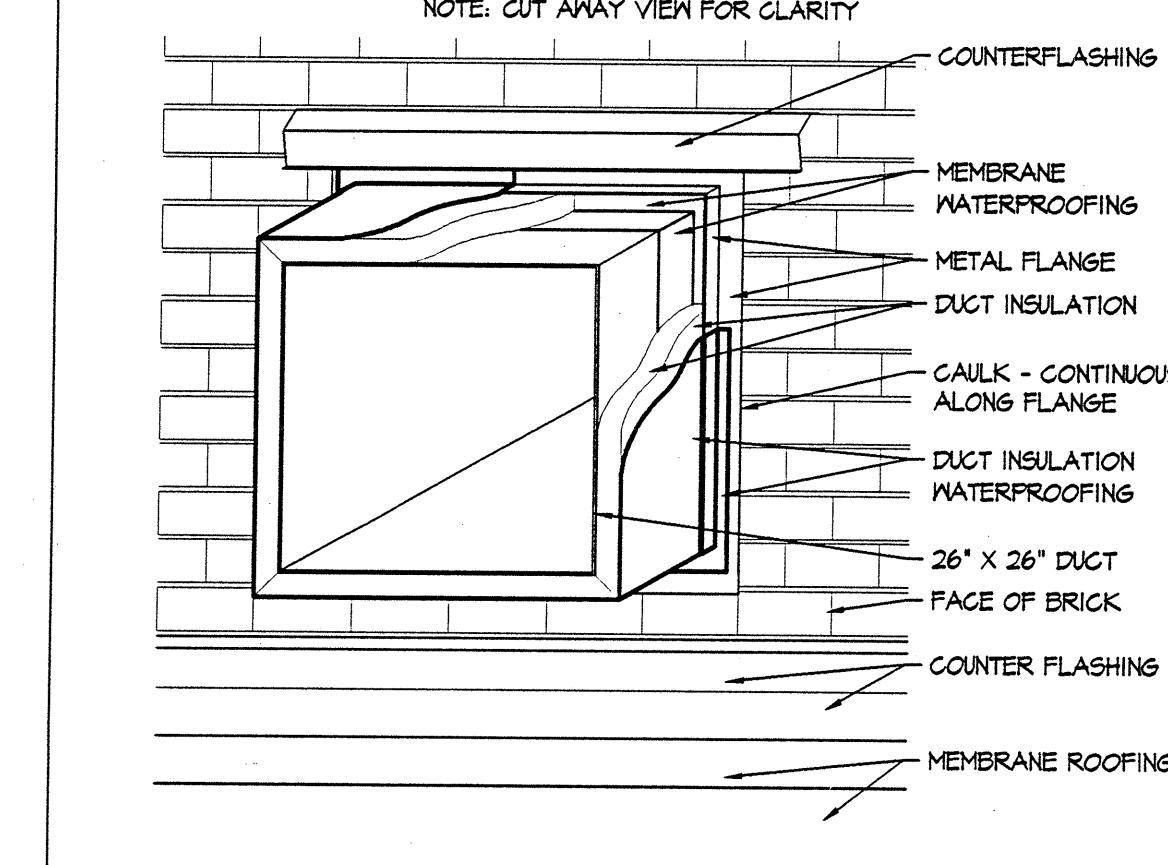
DETAIL 14 SCALE: 1/2" = 1'-0" A2.4



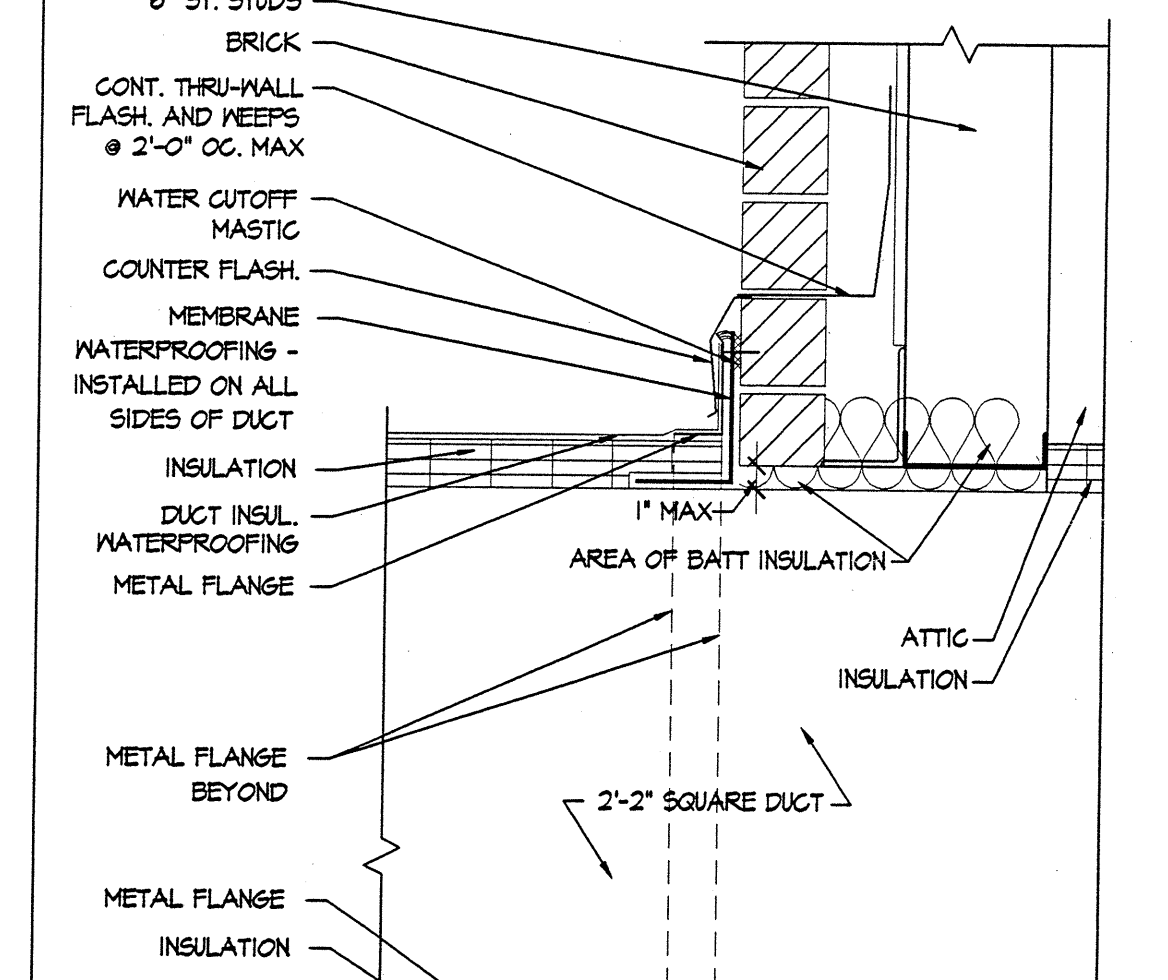
DETAIL 13 SCALE: 1/2" = 1'-0" A2.4



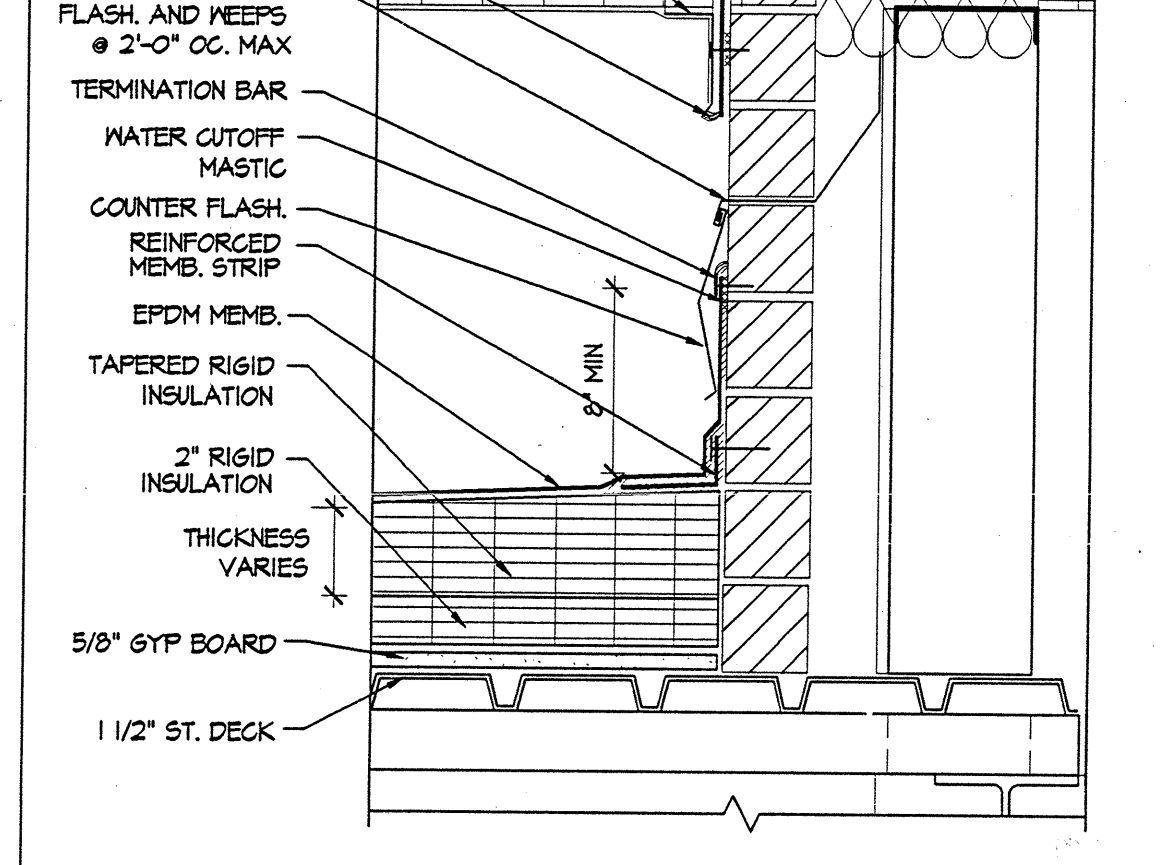
DETAIL 10 SCALE: 1/2" = 1'-0" A2.4



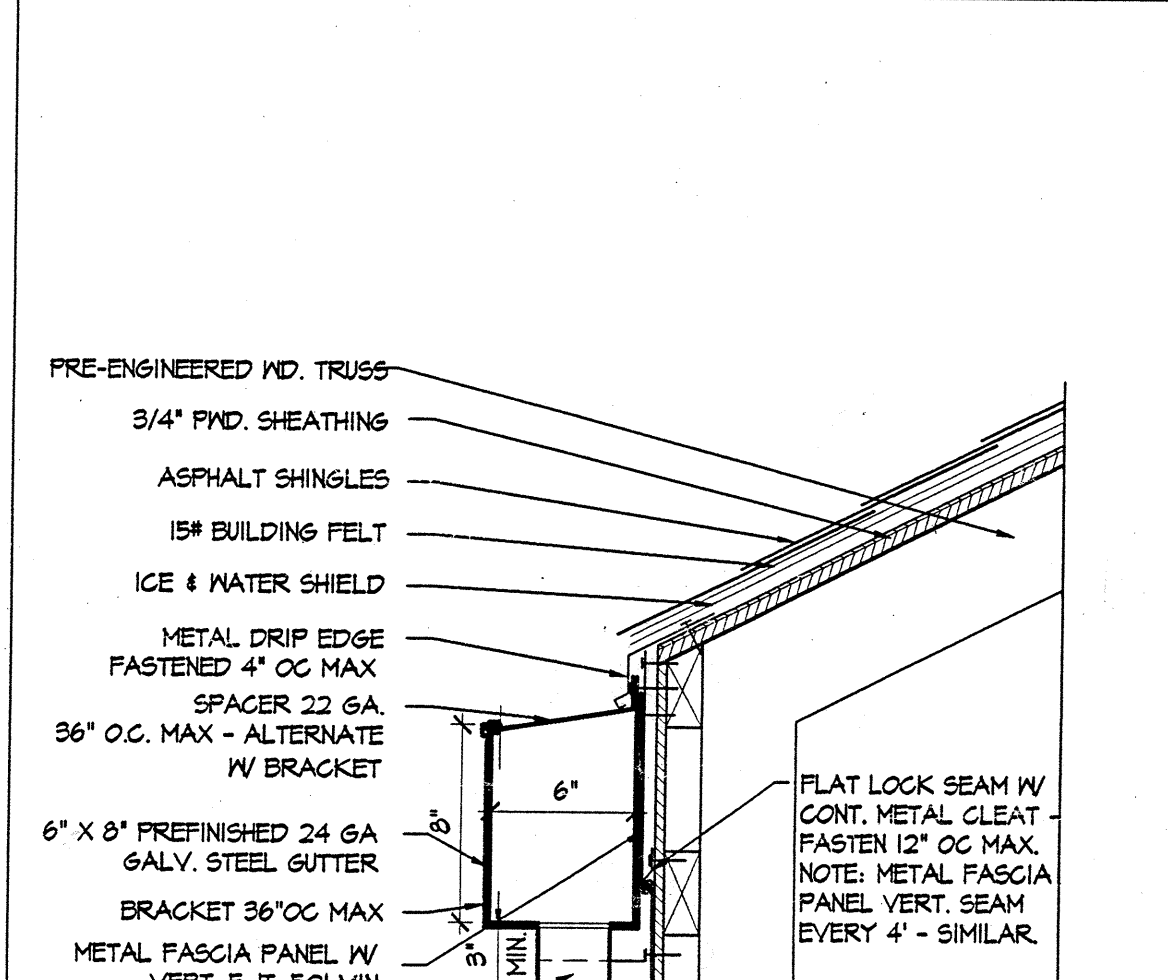
DETAIL 15 SCALE: 1/2" = 1'-0" A2.4



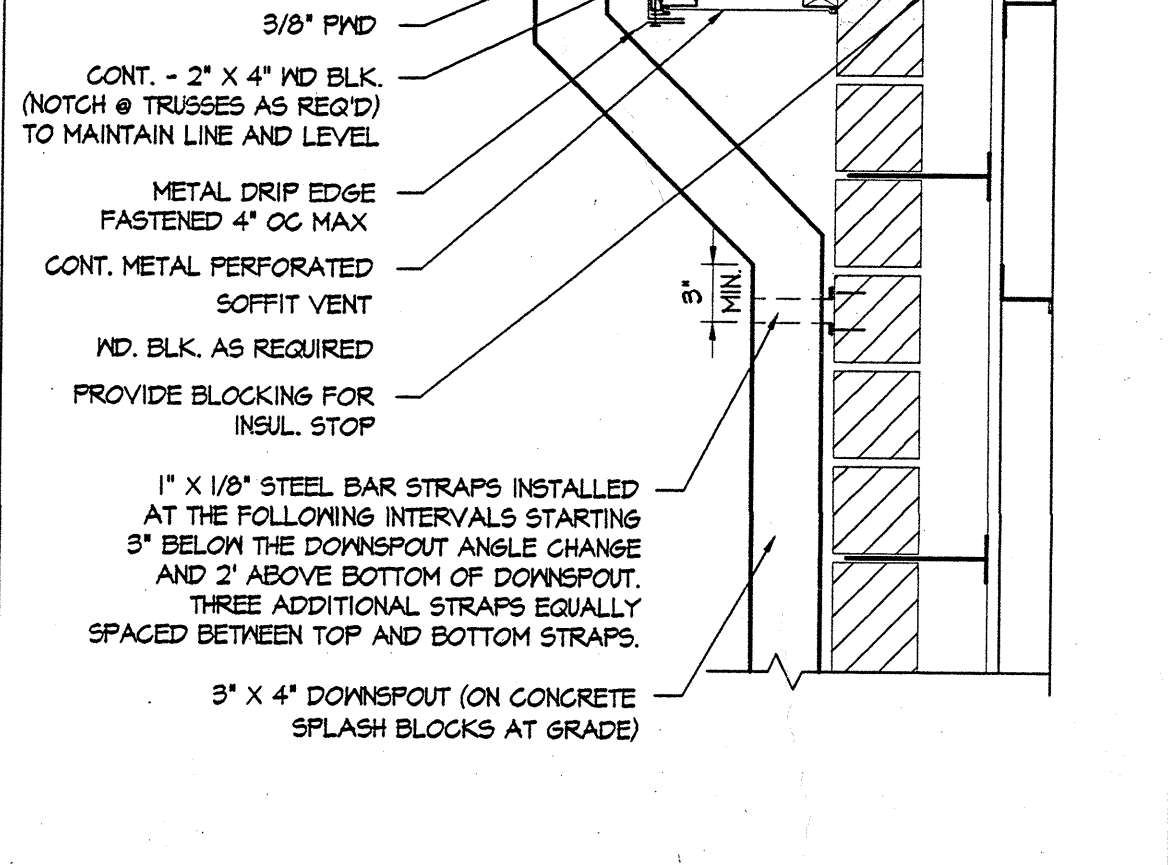
DETAIL 14 SCALE: 1/2" = 1'-0" A2.4



DETAIL 13 SCALE: 1/2" = 1'-0" A2.4



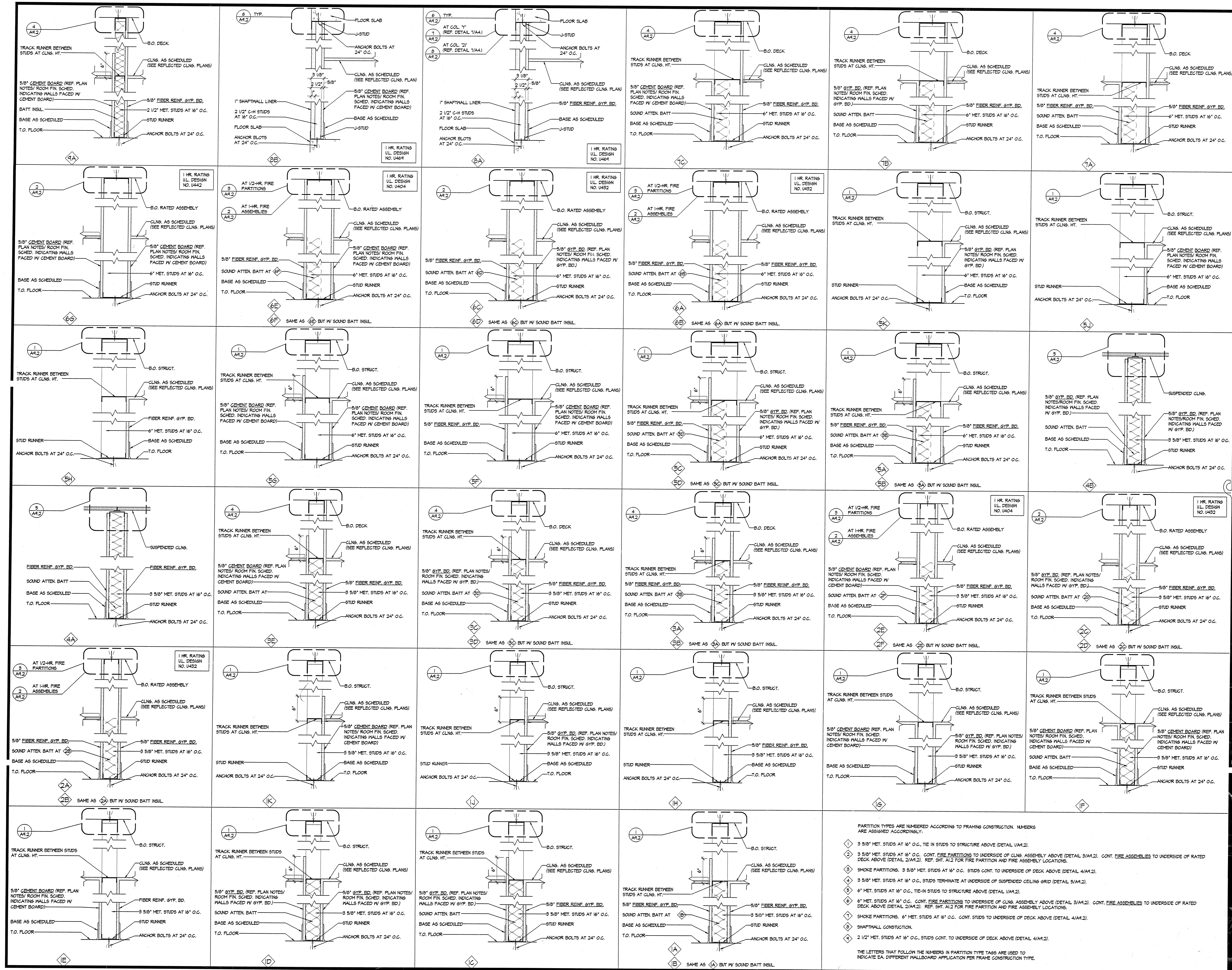
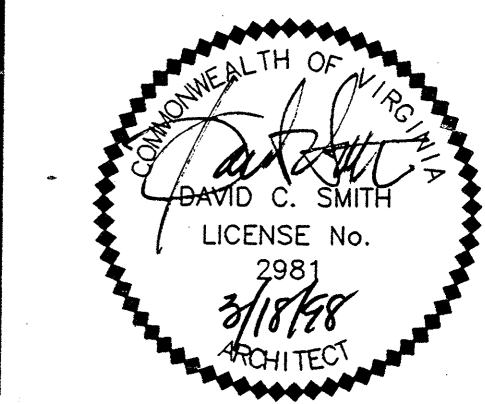
DETAIL 10 SCALE: 1/2" = 1'-0" A2.4



DETAIL 13 SCALE: 1/2" = 1'-0" A2.4

NOT USED



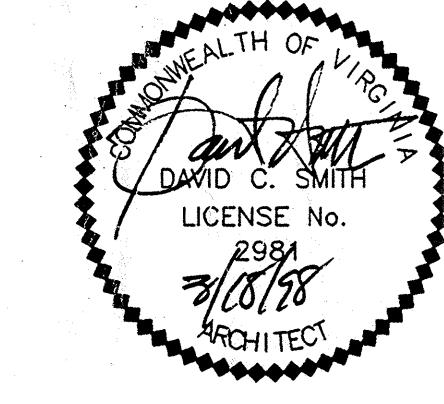


PARTITION TYPES ARE NUMBERED ACCORDING TO FRAMING CONSTRUCTION. NUMBERS ARE ASSIGNED ACCORDINGLY.

- 1 3 5/8" MET. STUDS AT 16" O.C., TIE IN STUDS TO STRUCTURE ABOVE (DETAIL 1/A1.2).
- 2 3 5/8" MET. STUDS AT 16" O.C., CONT. FIRE PARTITIONS TO UNDERSIDE OF CLNG. ASSEMBLY ABOVE (DETAIL 3/A1.2). CONT. FIRE ASSEMBLIES TO UNDERSIDE OF RATED DECK ABOVE (DETAIL 2/A1.2). REF. SH. AL2 FOR FIRE PARTITION AND FIRE ASSEMBLY LOCATIONS.
- 3 SMOKE PARTITIONS. 3 5/8" MET. STUDS AT 16" O.C. STUDS CONT. TO UNDERSIDE OF DECK ABOVE (DETAIL 4/A1.2).
- 4 3 5/8" MET. STUDS AT 16" O.C., STUDS TERMINATE AT UNDERSIDE OF SUSPENDED CEILING GRID (DETAIL 5/A1.2).
- 5 6" MET. STUDS AT 16" O.C., TIE-IN STUDS TO STRUCTURE ABOVE (DETAIL 1/A1.2).
- 6 6" MET. STUDS AT 16" O.C., CONT. FIRE PARTITIONS TO UNDERSIDE OF CLNG. ASSEMBLY ABOVE (DETAIL 3/A1.2). CONT. FIRE ASSEMBLIES TO UNDERSIDE OF RATED DECK ABOVE (DETAIL 2/A1.2). REF. SH. AL2 FOR FIRE PARTITION AND FIRE ASSEMBLY LOCATIONS.
- 7 SMOKE PARTITIONS. 6" MET. STUDS AT 16" O.C., CONT. STUDS TO UNDERSIDE OF DECK ABOVE (DETAIL 4/A1.2).
- 8 SHAFTWALL CONSTRUCTION.
- 9 2 1/2" MET. STUDS AT 16" O.C., STUDS CONT. TO UNDERSIDE OF DECK ABOVE (DETAIL 4/A1.2).

THE LETTERS THAT FOLLOW THE NUMBERS IN PARTITION TYPE TAGS ARE USED TO INDICATE EA. DIFFERENT WALLBOARD APPLICATION PER FRAME CONSTRUCTION TYPE.

3. Rubicon, Inc. 197/197/CDD/AR/03/18/98\_1 16:35:11 03/18/98 AMJ3



B A S K E T B A L L P L A Y

**DETAIL 1** SCALE: 3" = 1'-0" A41

**DETAIL 2** SCALE: 3" = 1'-0" A41

**DETAIL 3** SCALE: 3" = 1'-0" A41

**DETAIL 4** SCALE: 3" = 1'-0" A41

**DETAIL 5** SCALE: 3" = 1'-0" A41

**DETAIL 6** SCALE: 1 1/2" = 1'-0" A41

**DETAIL 7** SCALE: 1 1/2" = 1'-0" A41

**DETAIL 8** SCALE: 1 1/2" = 1'-0" A41

**DETAIL 9** SCALE: 3" = 1'-0" A41

**DETAIL 10** SCALE: 3" = 1'-0" A41

**DETAIL 11** SCALE: 1 1/2" = 1'-0" A21

**DETAIL 12** SCALE: 3" = 1'-0" A21, A22, A23

**DETAIL 13** SCALE: 3" = 1'-0" A21, A22, A23

**DETAIL 14** SCALE: 1 1/2" = 1'-0" A21, A22, A23, A41

**DETAIL 15** SCALE: 1 1/2" = 1'-0" A21, A22, A23, A41

**DETAIL 16** SCALE: 1" = 1'-0" A21

**DETAIL 17** SCALE: 1 1/2" = 1'-0" A61, A62, A63

**DETAIL 18** SCALE: 1 1/2" = 1'-0" A61, A62, A63

**DETAIL 19** SCALE: 1 1/2" = 1'-0" A61, A62

**DETAIL 20** SCALE: 1 1/2" = 1'-0" A61

**DETAIL 21** SCALE: 1 1/2" = 1'-0" A61, A62, A63

**DETAIL 22** SCALE: 1 1/2" = 1'-0" A41

**DETAIL 23** SCALE: 3/4" = 1'-0" A51

**DETAIL 24** SCALE: 3" = 1'-0" A21, A41, A62

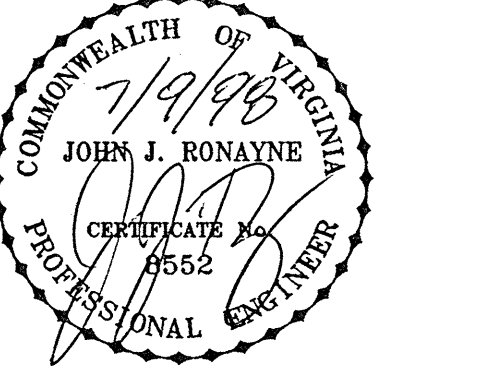
**DETAIL 25** SCALE: 1 1/2" = 1'-0" A21, A41, A62

**DETAIL 26** SCALE: 1 1/2" = 1'-0" A21, A41, A61

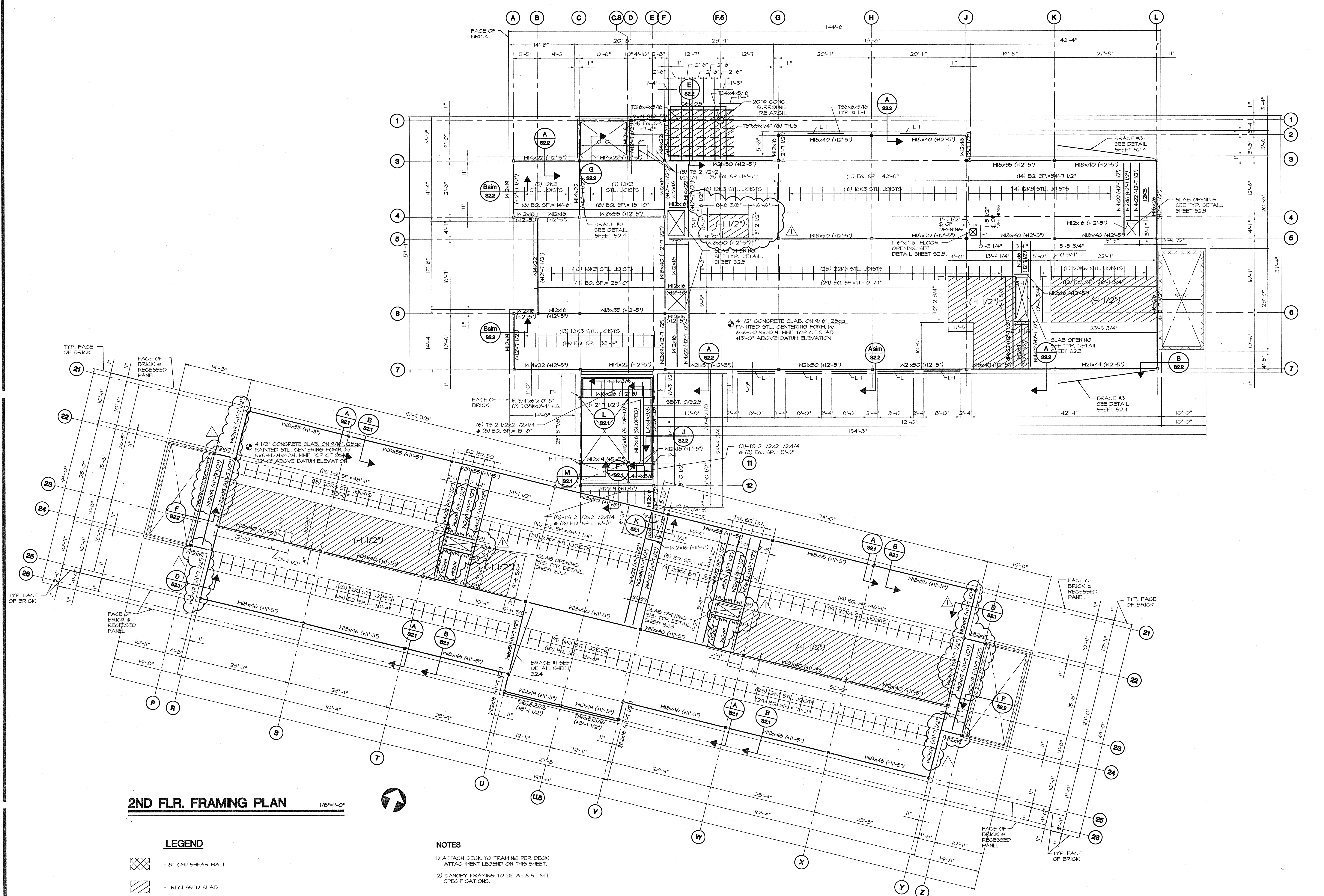
**DETAIL 27** SCALE: 1 1/2" = 1'-0" A41

**DETAIL 28** SCALE: 3" = 1'-0" A41

**DETAIL 29** SCALE: 3/4" = 1'-0" A21



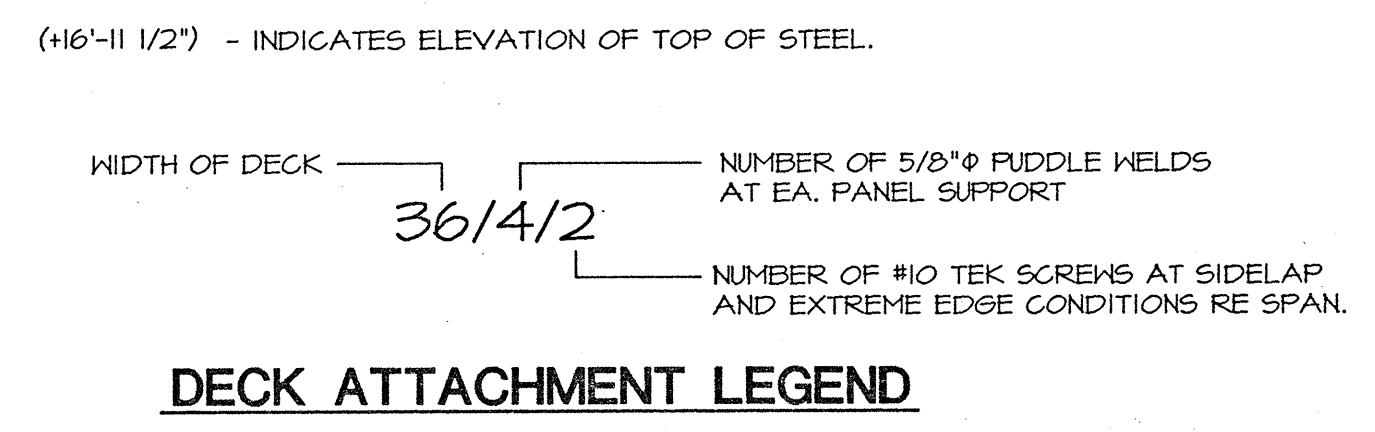
E A S K E R V I L L E S O N



**2ND FLR. FRAMING PLAN** 1/8"=1'-0"

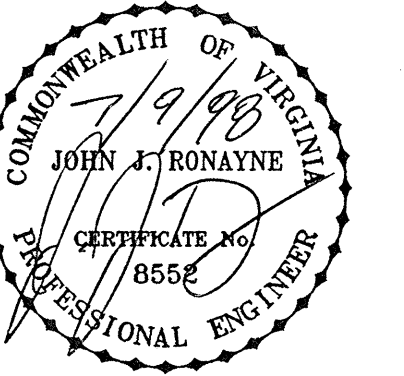
- LEGEND**
- 8" CMU SHEAR WALL
  - RECESSED SLAB

- NOTES**
- 1) ATTACH DECK TO FRAMING PER DECK ATTACHMENT LEGEND ON THIS SHEET.
  - 2) CANOPY FRAMING TO BE A.E.S.S. SEE SPECIFICATIONS.

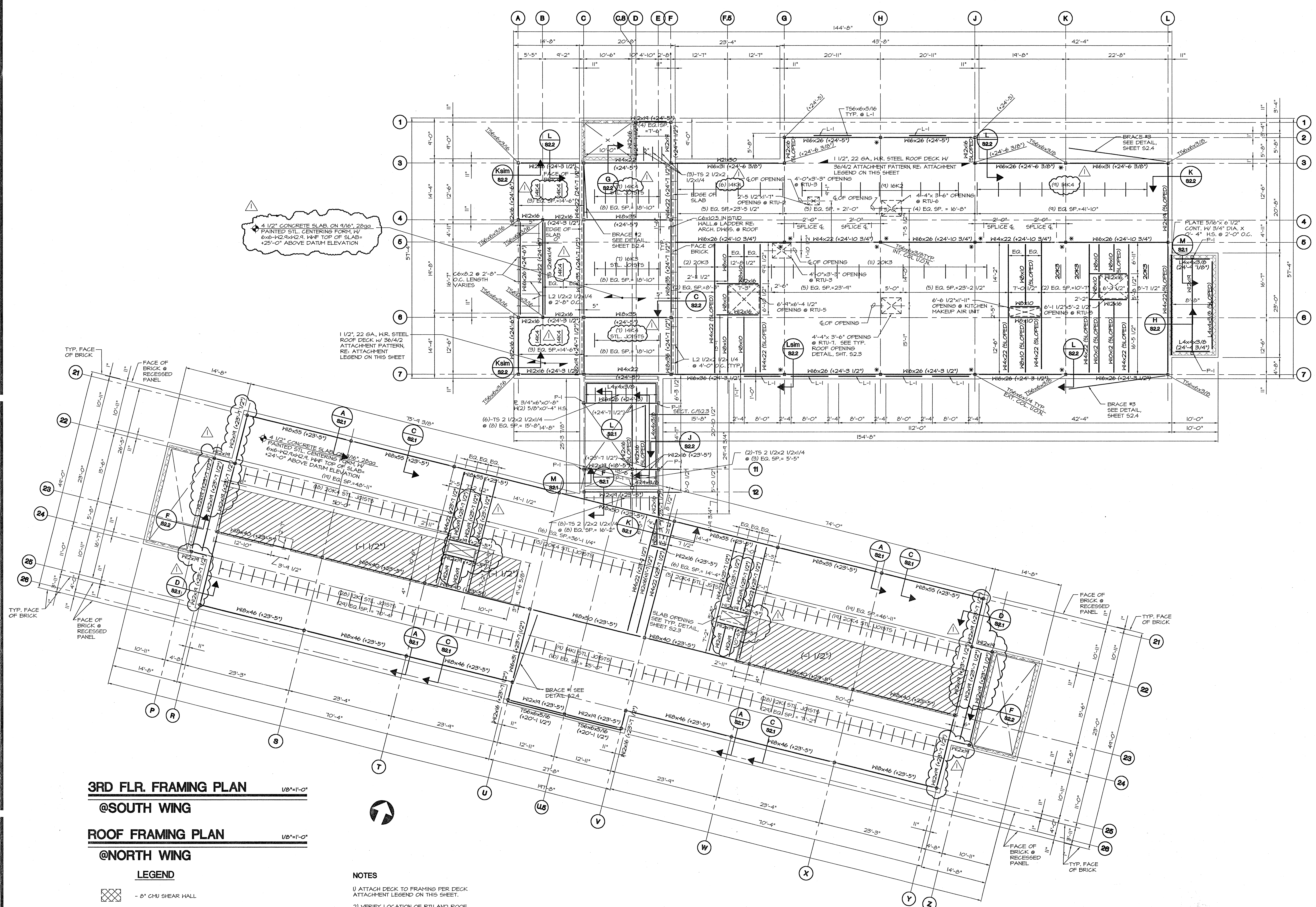


REVISIONS

REVISION	NO.	DATE



E A S K E R V L L S O N



**3RD FLR. FRAMING PLAN** 1/8"=1'-0"

**@SOUTH WING**

**ROOF FRAMING PLAN** 1/8"=1'-0"

**@NORTH WING**

- LEGEND**
- 8" CMU SHEAR WALL
  - INDICATES R.T.U.
  - INDICATES COLUMN BRACE, RE. TYP. COLUMN BRACE DETAIL ON SHEET S2.3
  - INDICATES ELEVATION OF TOP OF STEEL.

- NOTES**
- 1) ATTACH DECK TO FRAMING PER DECK ATTACHMENT LEGEND ON THIS SHEET.
  - 2) VERIFY LOCATION OF RTU & ROOF OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

**DECK ATTACHMENT LEGEND**

WIDTH OF DECK	NUMBER OF 5/8" PIVOT WELDS AT EA. PANEL SUPPORT
36/4/2	
	NUMBER OF #10 TEK SCREWS AT SIDELAP AND EXTREME EDGE CONDITIONS RE SPAN.

DRAWING TITLE

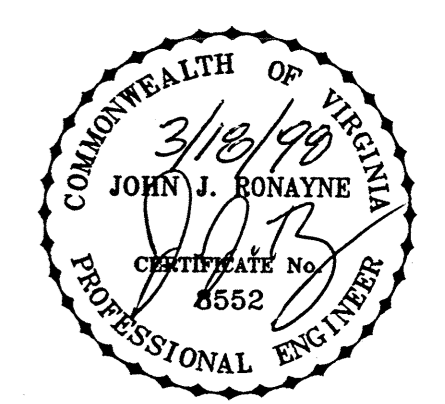
**3RD FLOOR/ROOF FRAMING PLAN**

DATE  
**03/18/98**

REVISIONS

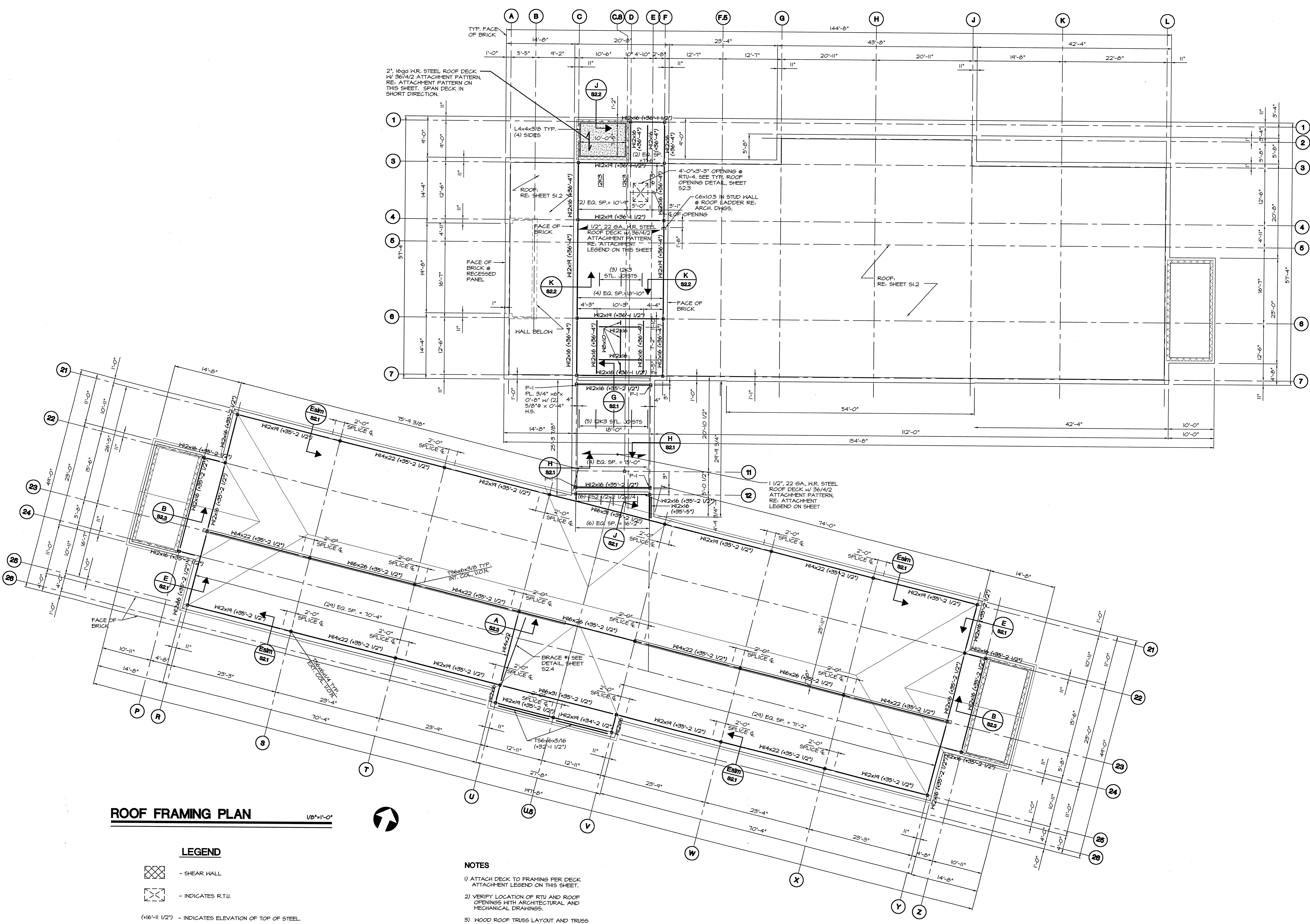
REVISION	NO.	DATE

DRAWING NUMBER  
**97187**



**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23203-0400

B A S K E R V I L L E S O N



**ROOF FRAMING PLAN** 1/8"=1'-0"

- LEGEND**
- SHEAR WALL
  - INDICATES R.T.U.
  - (16'-11 1/2") - INDICATES ELEVATION OF TOP OF STEEL.

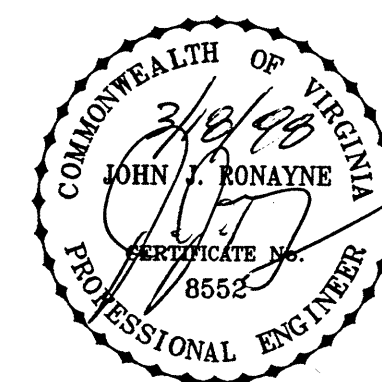
**DECK ATTACHMENT LEGEND**

WIDTH OF DECK: 36/4/2

NUMBER OF 5/8" PIDDLE WELDS AT EA. PANEL SUPPORT

NUMBER OF #10 TEK SCREWS AT SIDELAP AND EXTREME EDGE CONDITIONS RE SPAN.

- NOTES**
- 1) ATTACH DECK TO FRAMING PER DECK ATTACHMENT LEGEND ON THIS SHEET.
  - 2) VERIFY LOCATION OF RTU AND ROOF OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
  - 3) WOOD ROOF TRUSS LAYOUT AND TRUSS NOTES SHOWN ON SHEET S1.4

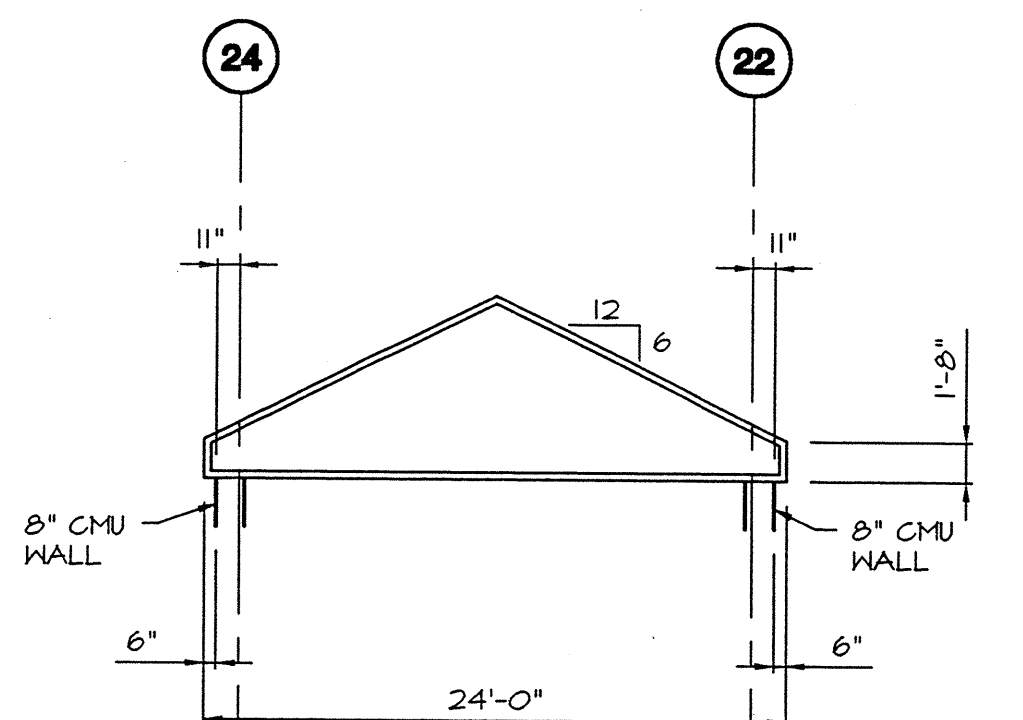


NOTES:

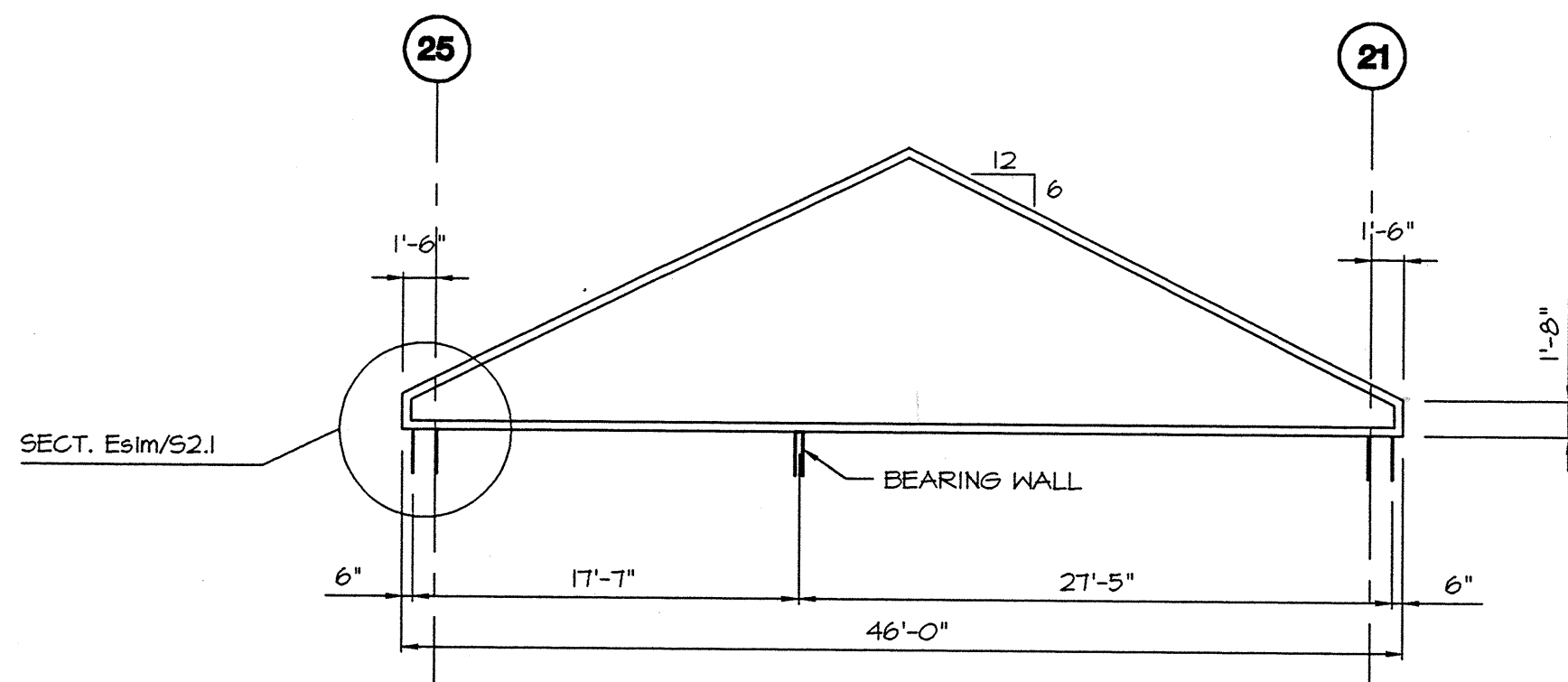
- 1) ROOF DIAPHRAGM SHALL CONSIST OF 1/2" APA PLYWOOD SHEATHING, ATTACH TO TRUSS MEMBERS W/ 10d NAILS @ 8" O.C. AT ALL PANEL EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS.
- 2) THE WOOD TRUSS MANUFACTURER SHALL DESIGN THE TRUSSES FOR THE DESIGN LOADS INDICATED IN THE TRUSS NOTES BELOW.

TRUSS NOTES:

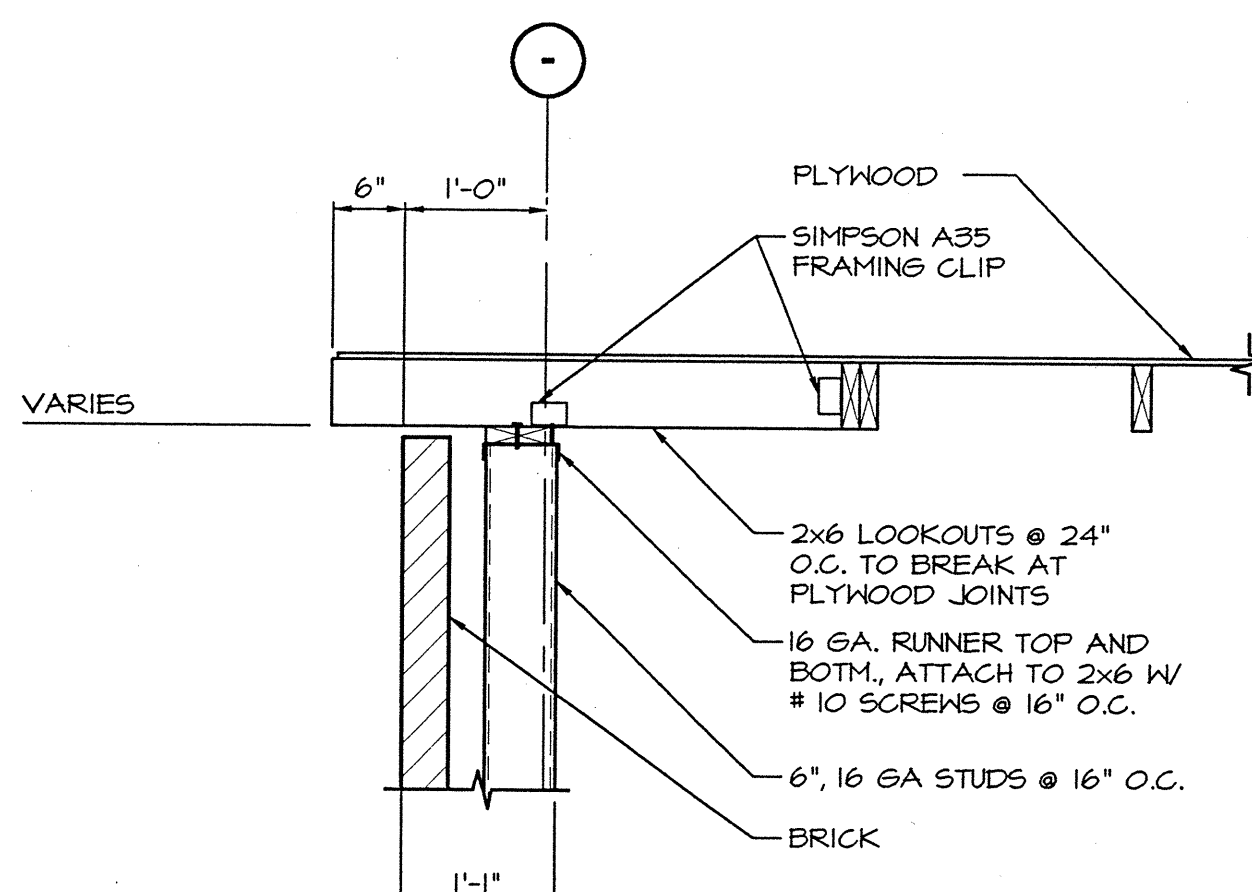
- 1. DESIGN LOADS:  
TOP CHORD - GROUND SNOW LOAD - 20 P.S.F.  
LIVE LOAD - 20 P.S.F. MIN.  
DEAD LOAD - 10 P.S.F.  
BOTTOM CHORD  
DEAD LOAD - 10 P.S.F.  
STORAGE LOAD - 20 P.S.F., WHERE REQUESTED  
MECHANICAL LOAD - REI. PLAN
- 2. TRUSSES SHALL BE DESIGNED BY TRUSS MANUFACTURER TO THE ABOVE CRITERIA IN ACCORDANCE WITH T.P.I.-85 AND THE N.D.S.-81, USING THE FOLLOWING MINIMUM LUMBER GRADES:  
TOP CHORD - #2 SYP KD15  
BOT. CHORD - #2 SYP KD15  
WEBS - #2 SYP KD14
- 3. PLATES SHALL COMPLY WITH ASTM A446 GR. A, WITH GALVANIZED COATING MEETING ASTM A525 GR. 60
- 4. TRUSSES SHALL BE TEMPORARILY AND PERMANENTLY BRACED IN ACCORDANCE WITH THE T.P.I. PUBLICATION "BRACING WOOD TRUSSES. COMMENTARY AND RECOMMENDATIONS", AND IN ADDITION ALL BOTTOM CHORD PANEL POINTS SHALL BE LATERALLY BRACED AT 10' (MAX) INCREMENTS.



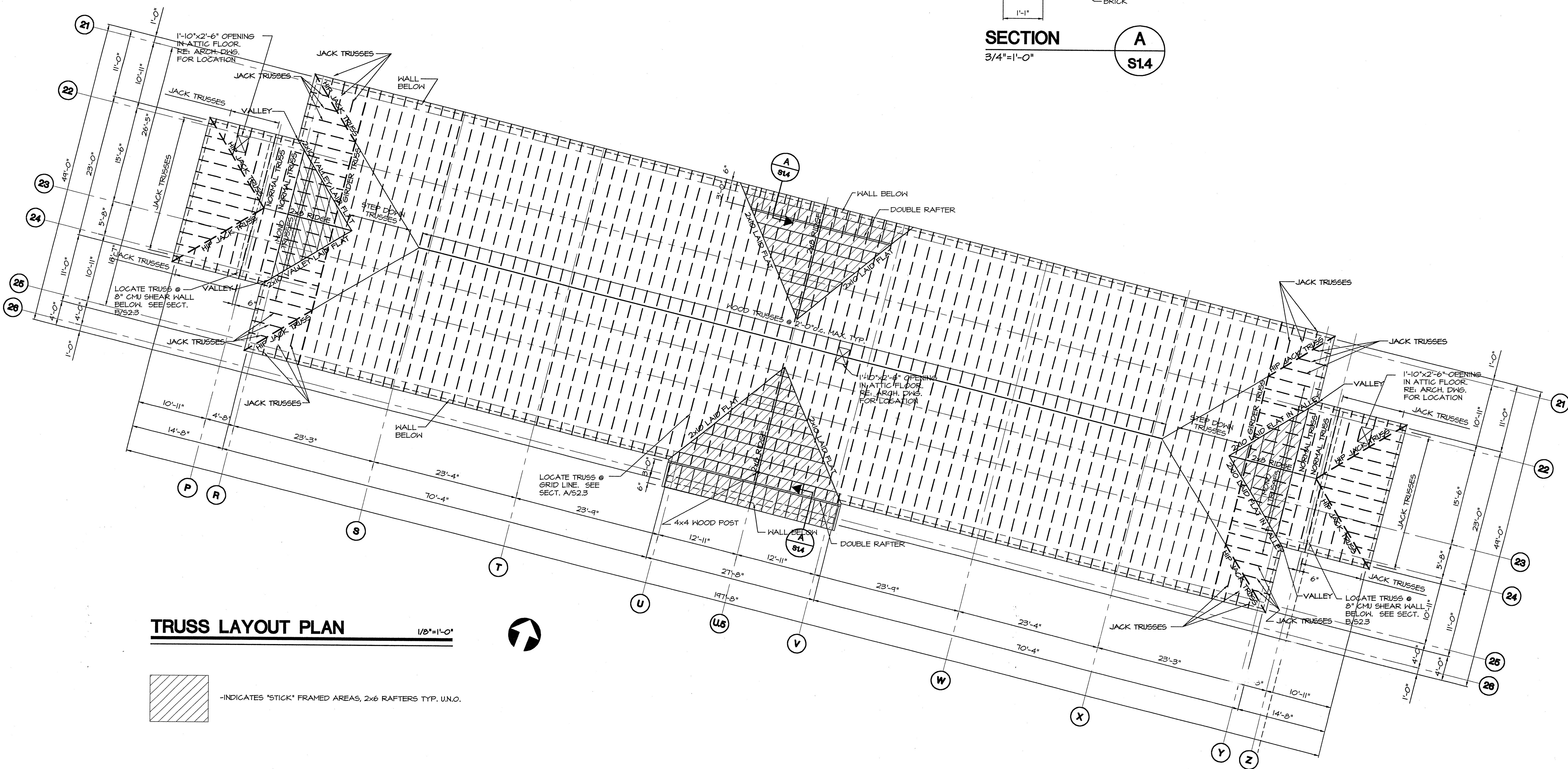
TRUSS OVER STARWELL 1/8"=1'-0"



TYPICAL TRUSS 1/8"=1'-0"

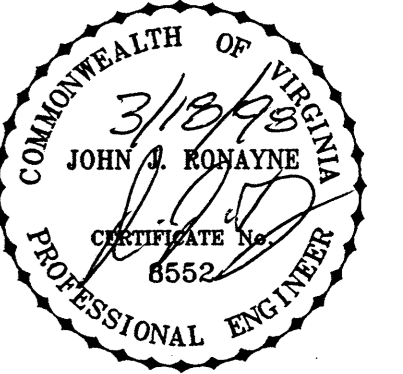


SECTION A S14 3/4"=1'-0"



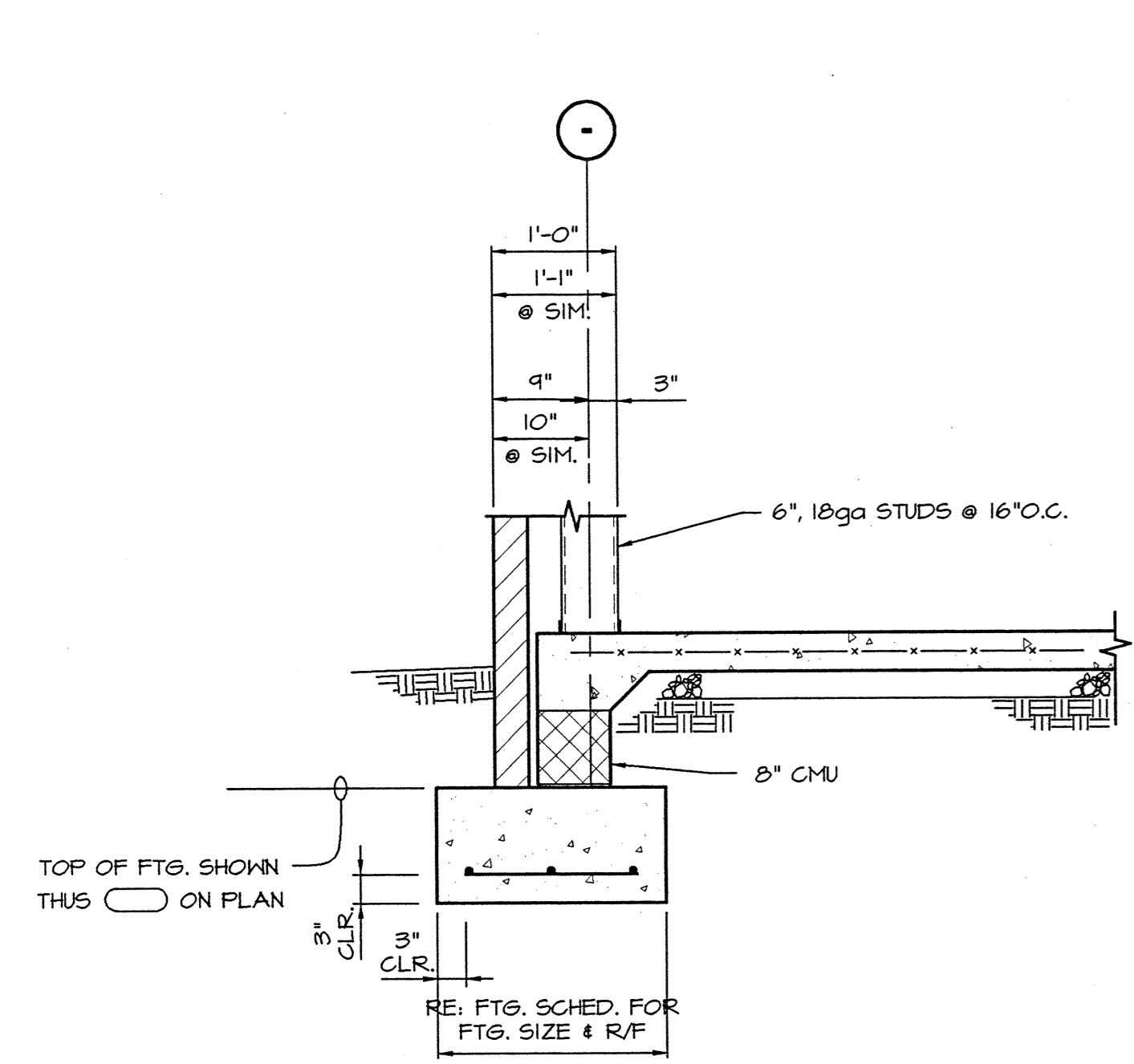
TRUSS LAYOUT PLAN 1/8"=1'-0"

INDICATES "STICK" FRAMED AREAS, 2x6 RAFTERS TYP. U.N.O.

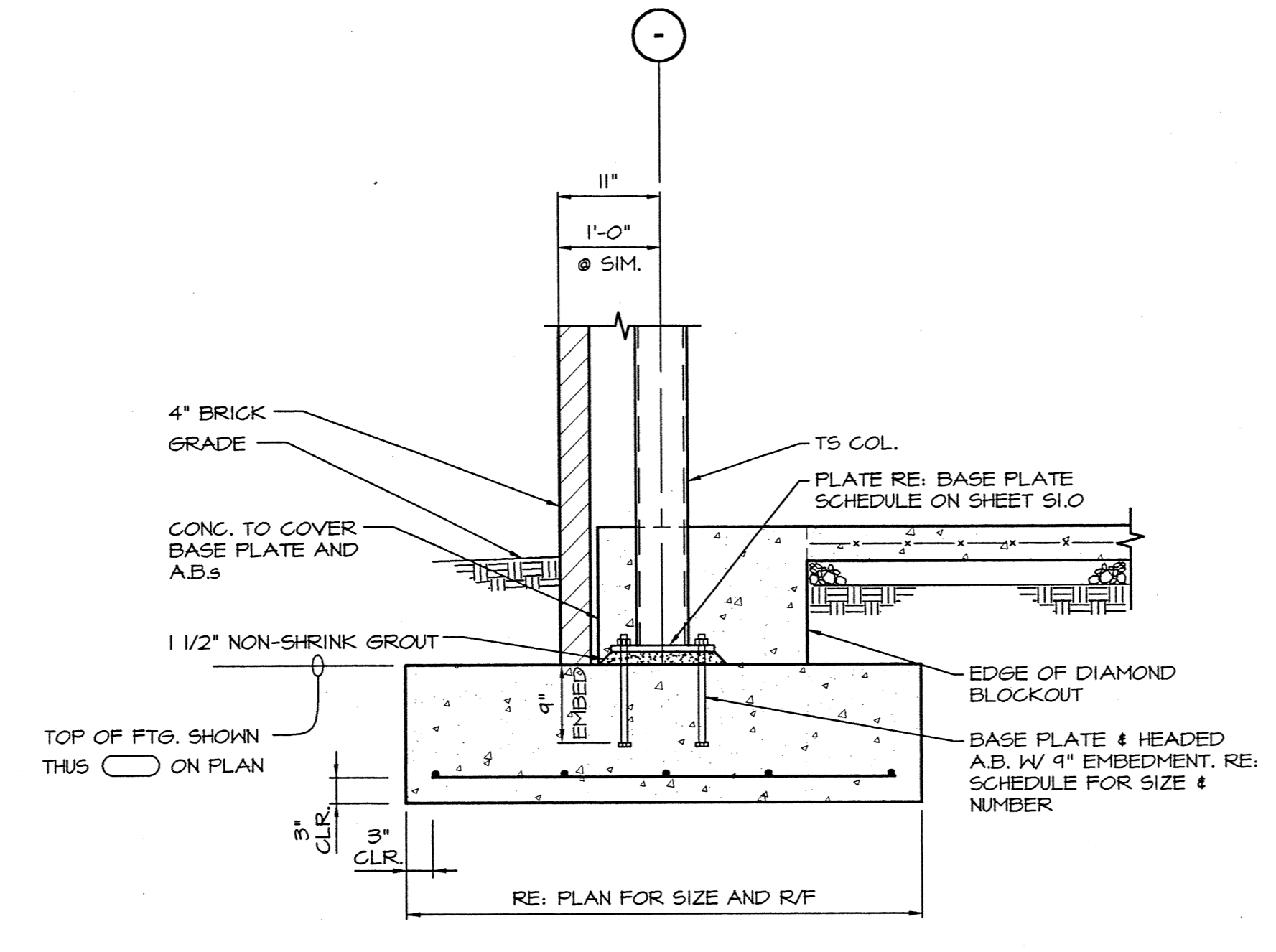


**Architects and Engineers**  
 114 Virginia Street, P.O. Box 400  
 Richmond, Virginia 23203-0400

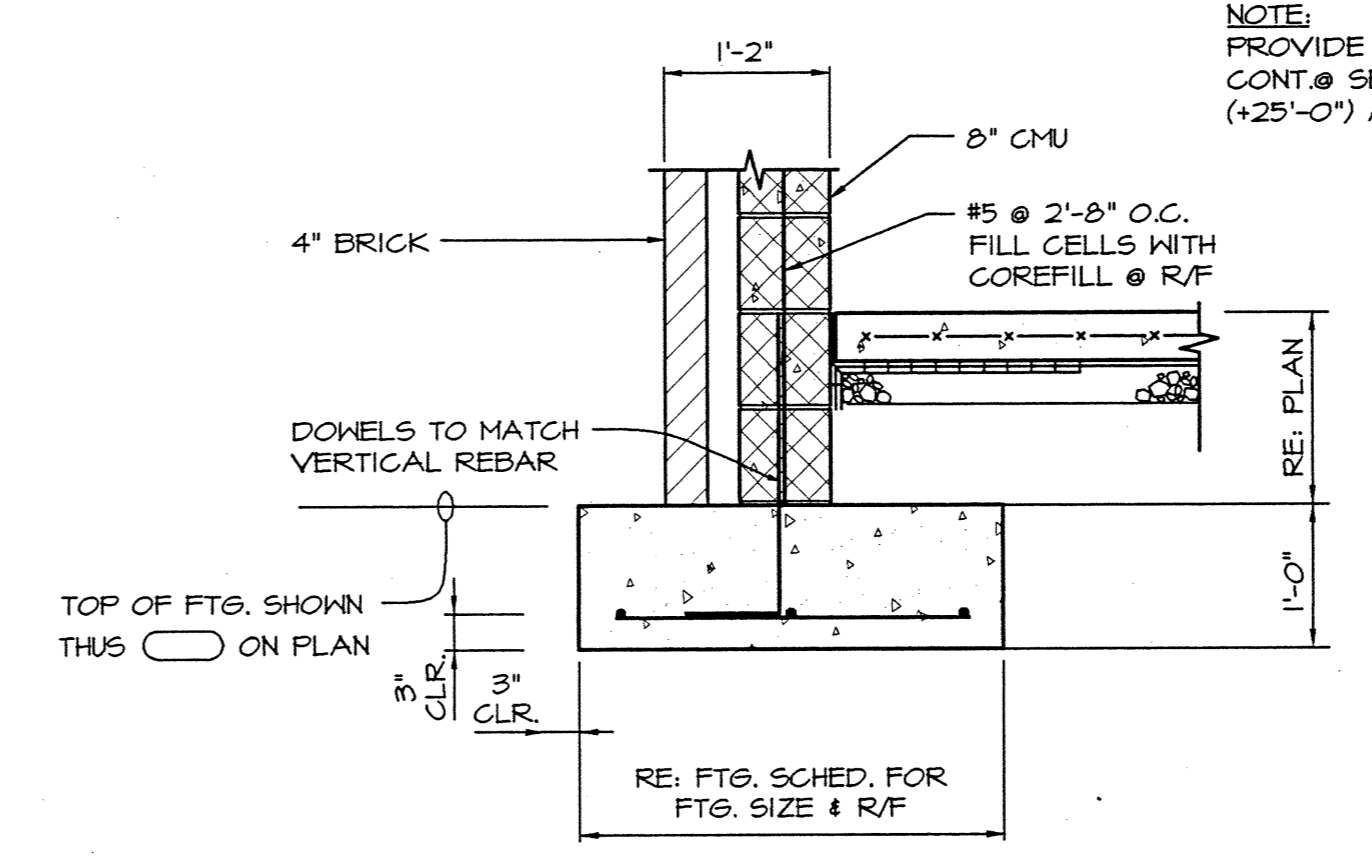
**E A S K E R V I L L E S O N**



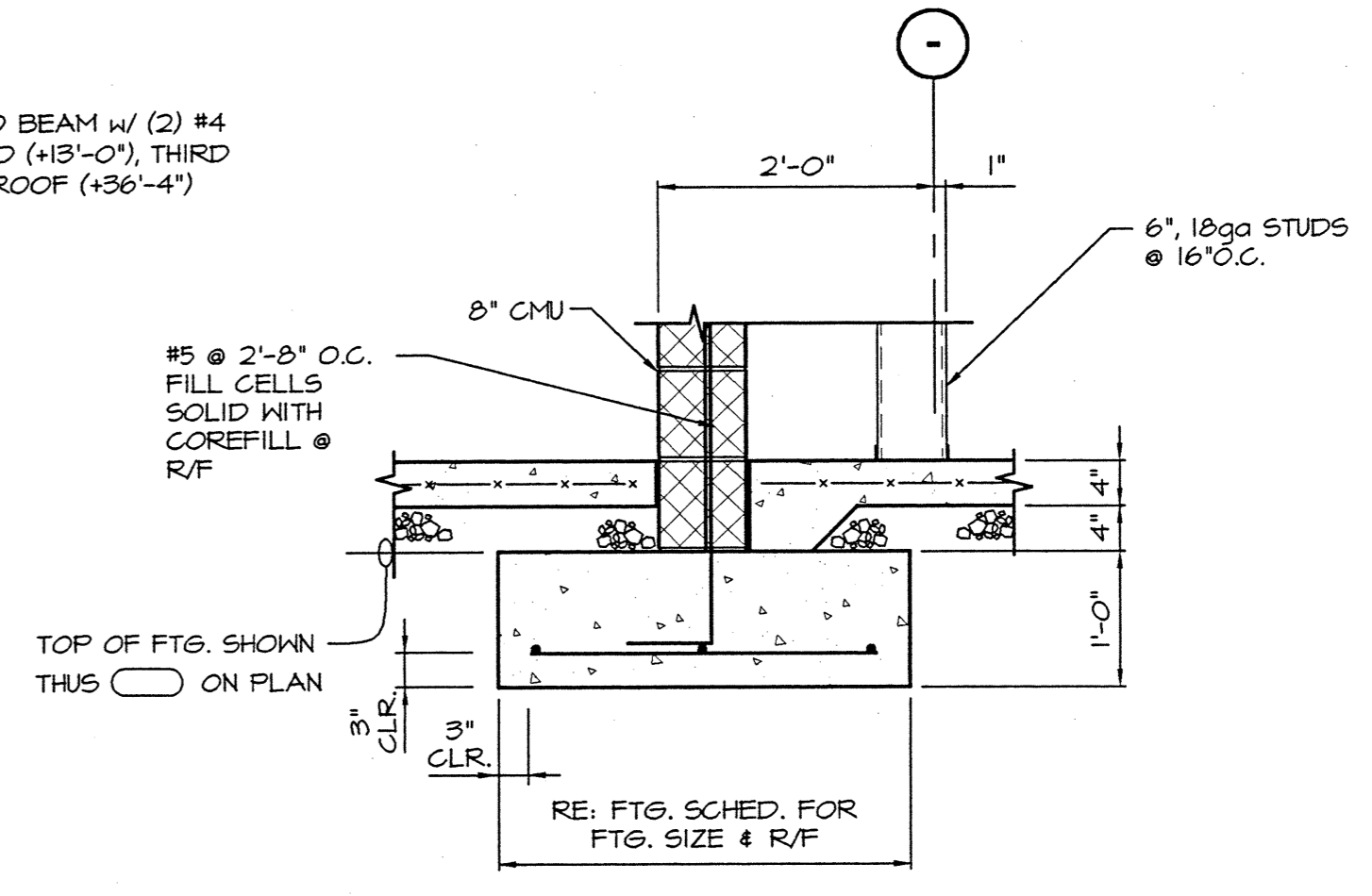
**SECTION A**  
 3/4" = 1'-0"  
 A sim S2.0



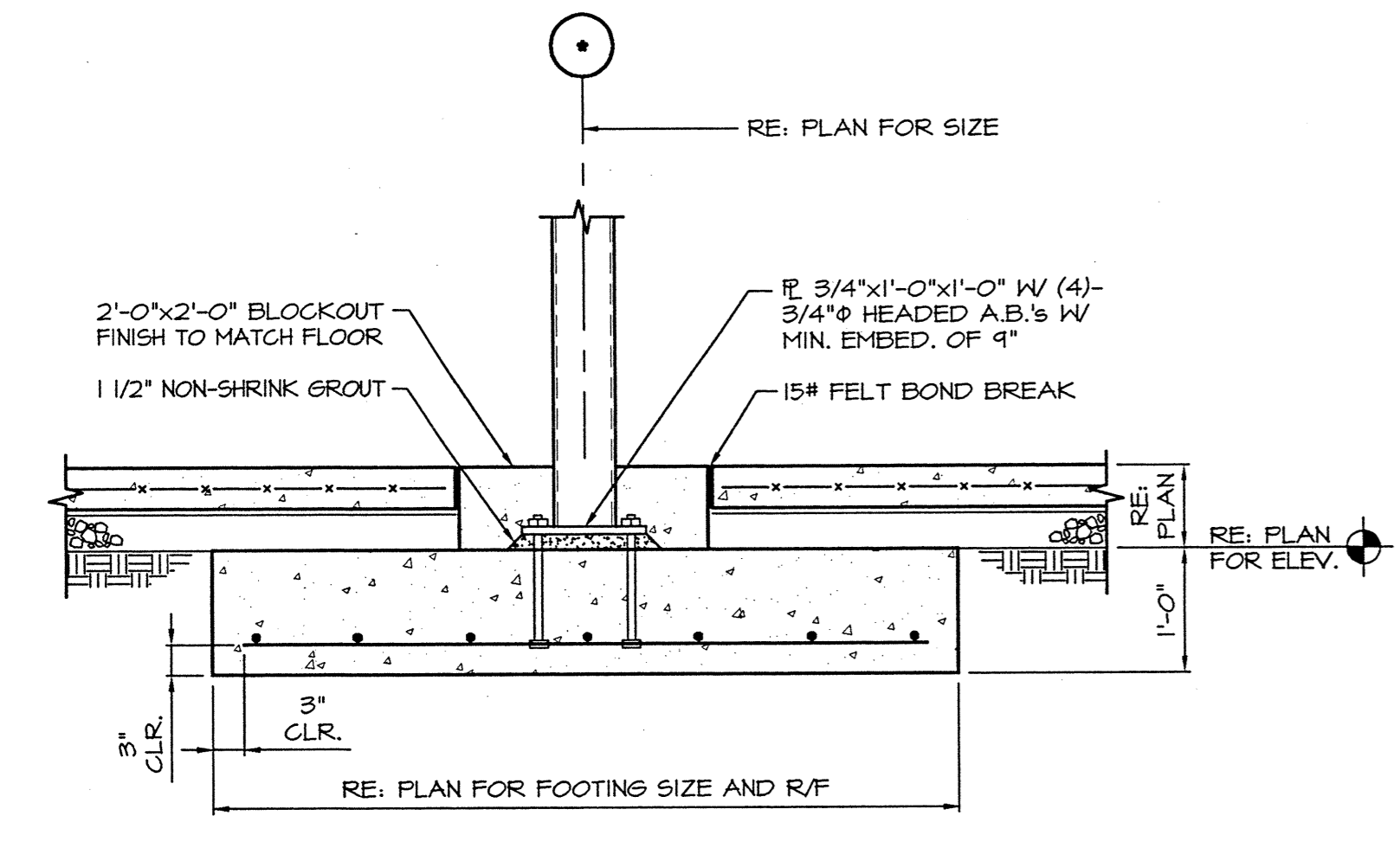
**SECTION B**  
 3/4" = 1'-0"  
 B sim S2.0



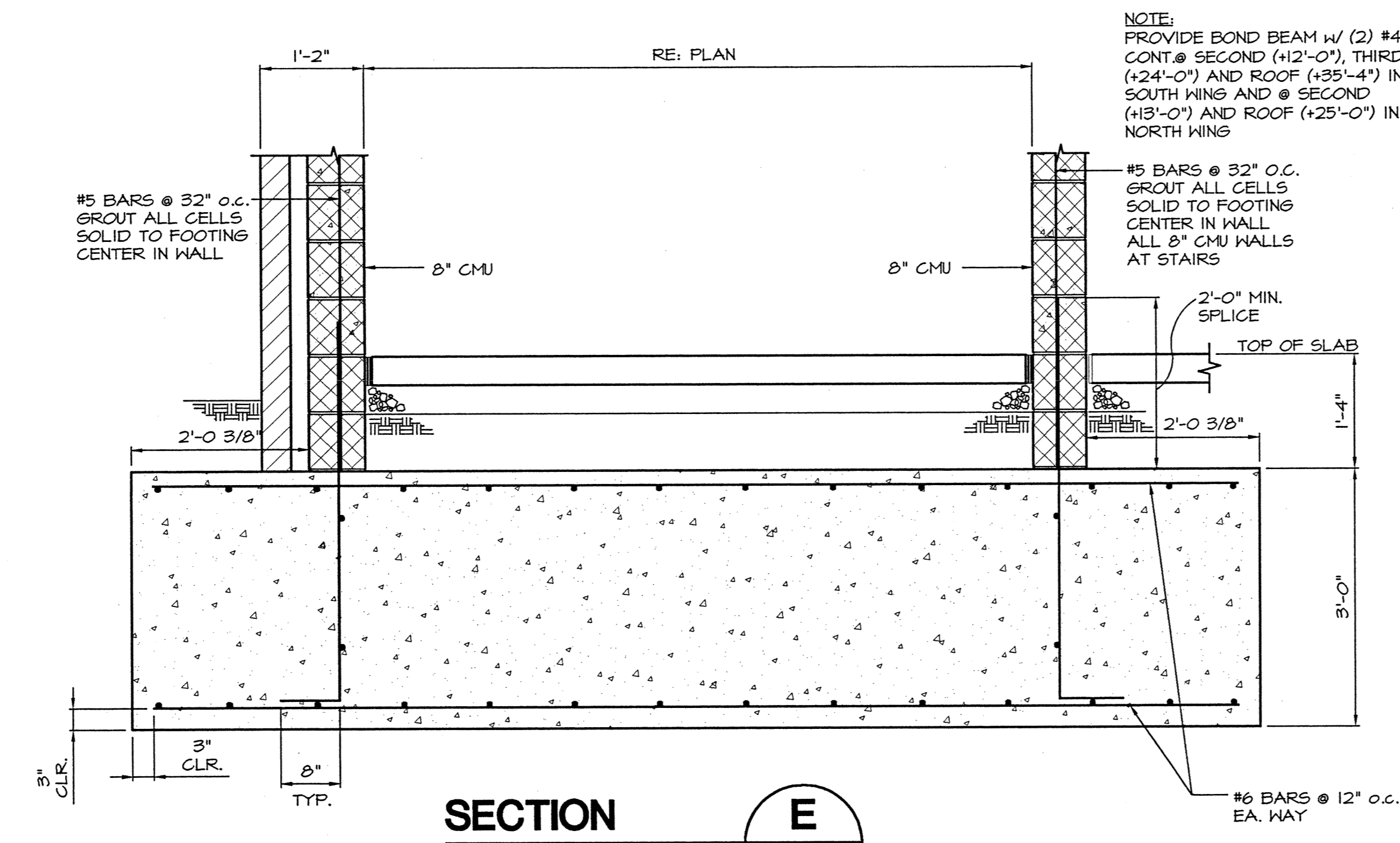
**SECTION C**  
 3/4" = 1'-0"  
 C S2.0



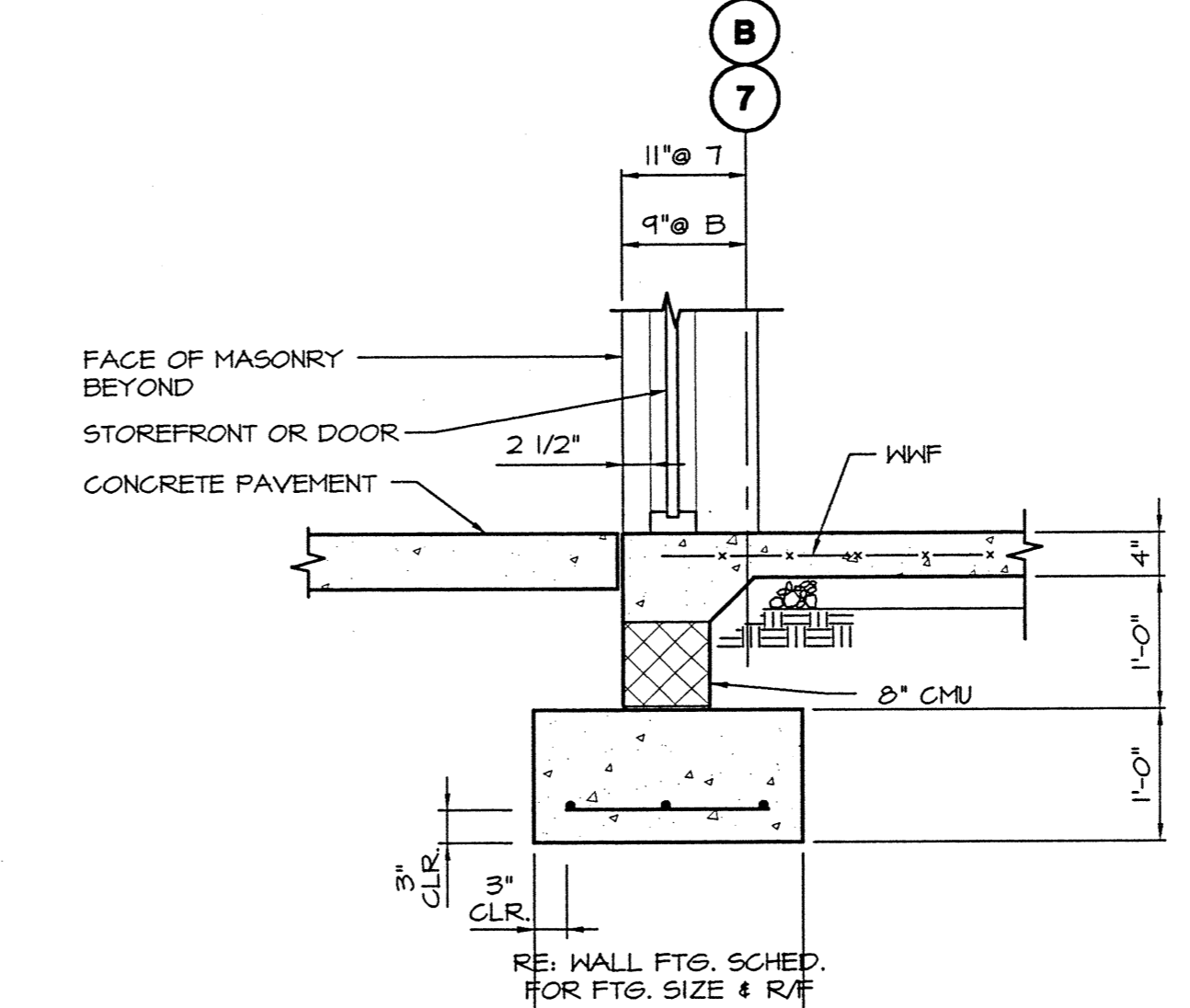
**SECTION D**  
 3/4" = 1'-0"  
 D S2.0



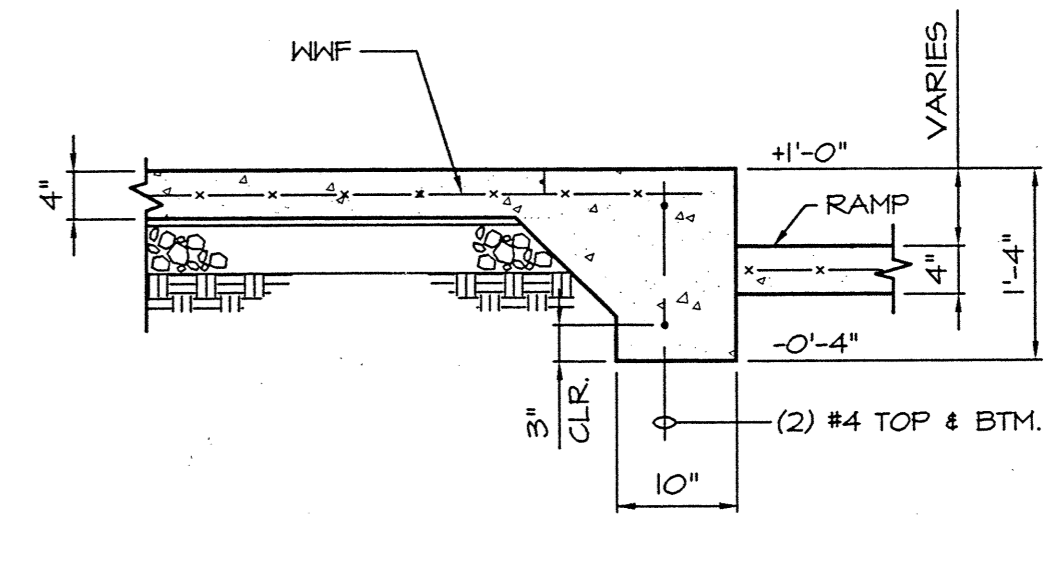
**TYPICAL INTERIOR COLUMN FOOTING**  
 3/4" = 1'-0"



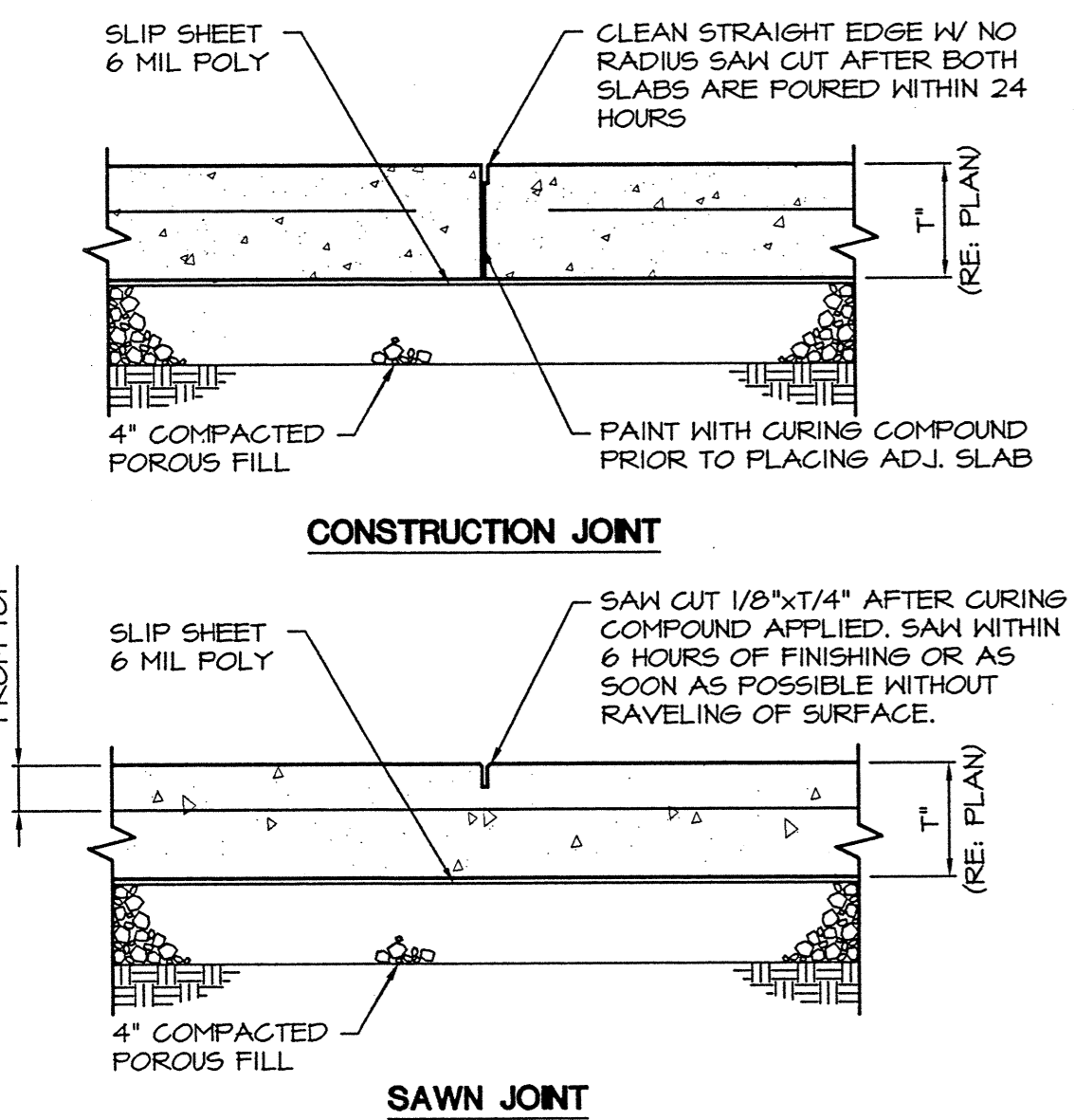
**SECTION E**  
 3/4" = 1'-0"  
 E S2.0



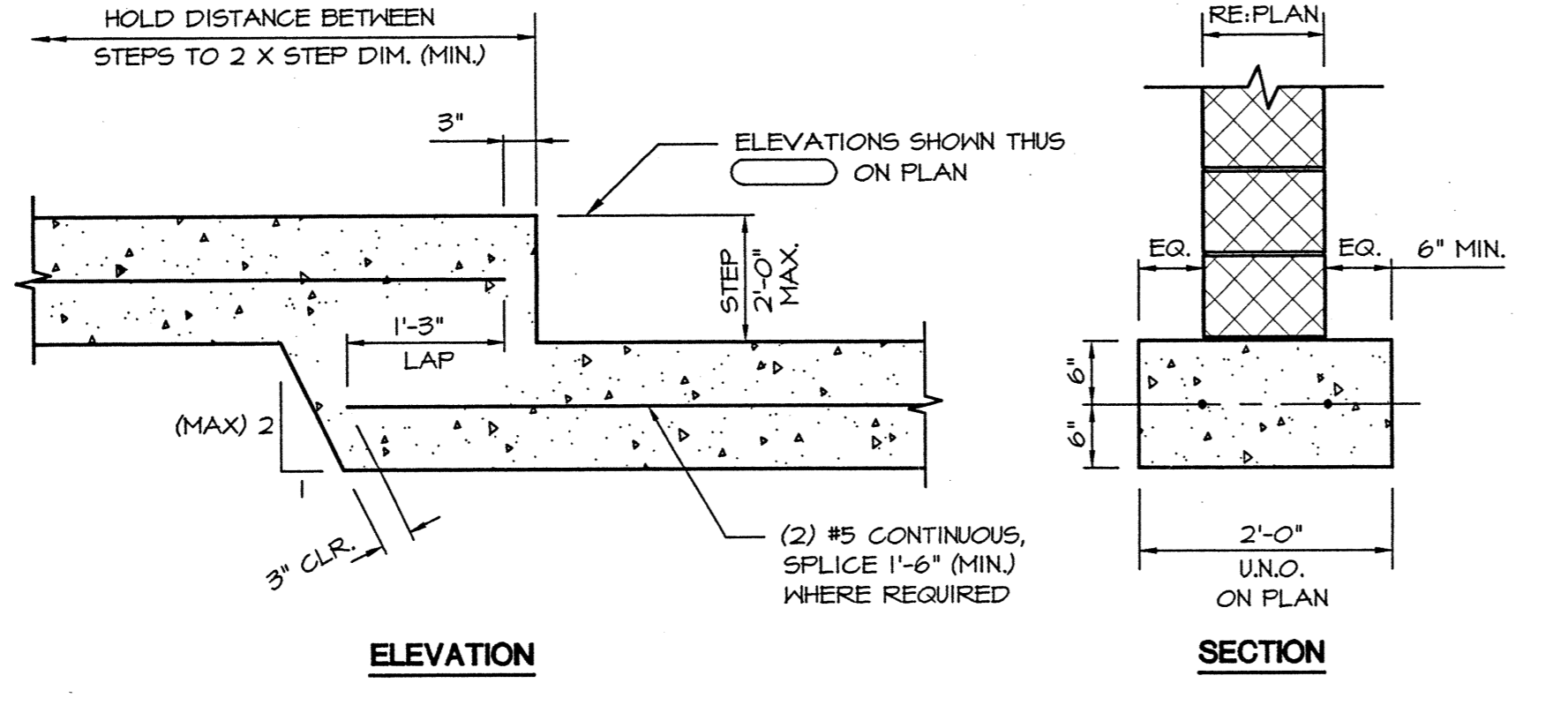
**SECTION F**  
 3/4" = 1'-0"  
 F S2.0



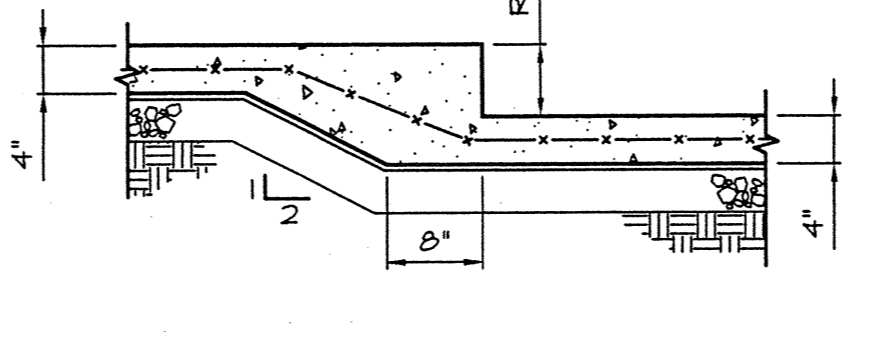
**SECTION G**  
 3/4" = 1'-0"  
 G S2.0



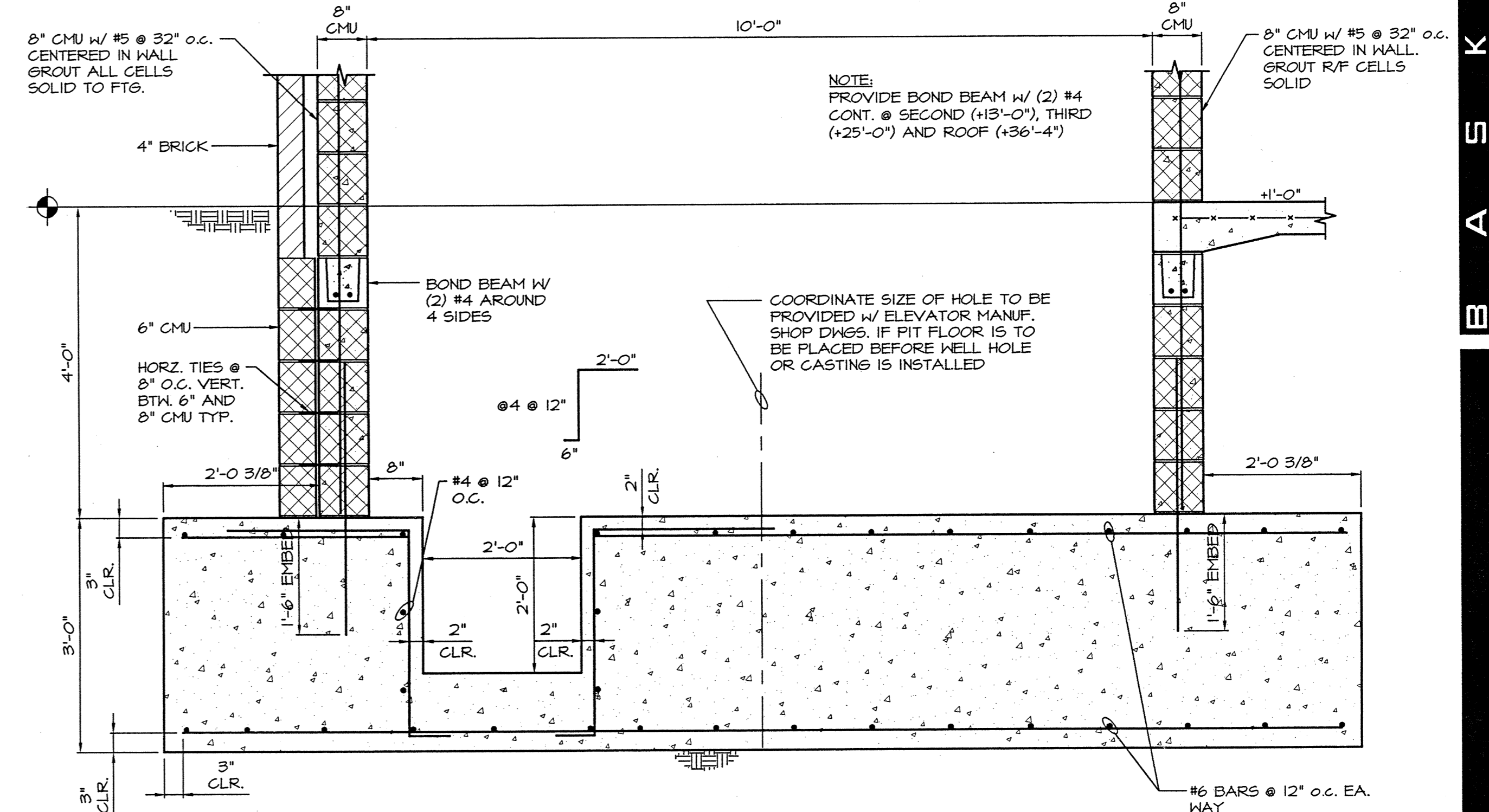
**TYPICAL JOINT DETAILS**  
 1/2" = 1'-0"



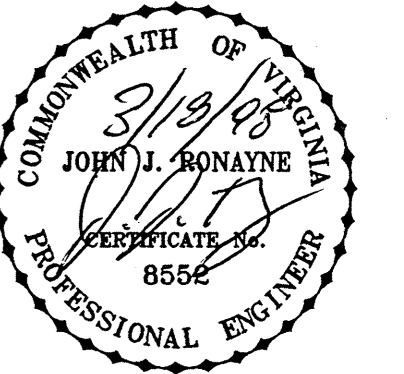
**TYP. MASONRY STEP FTG. DETAIL**  
 3/4" = 1'-0"



**TYPICAL SLAB RECESS**  
 3/4" = 1'-0"

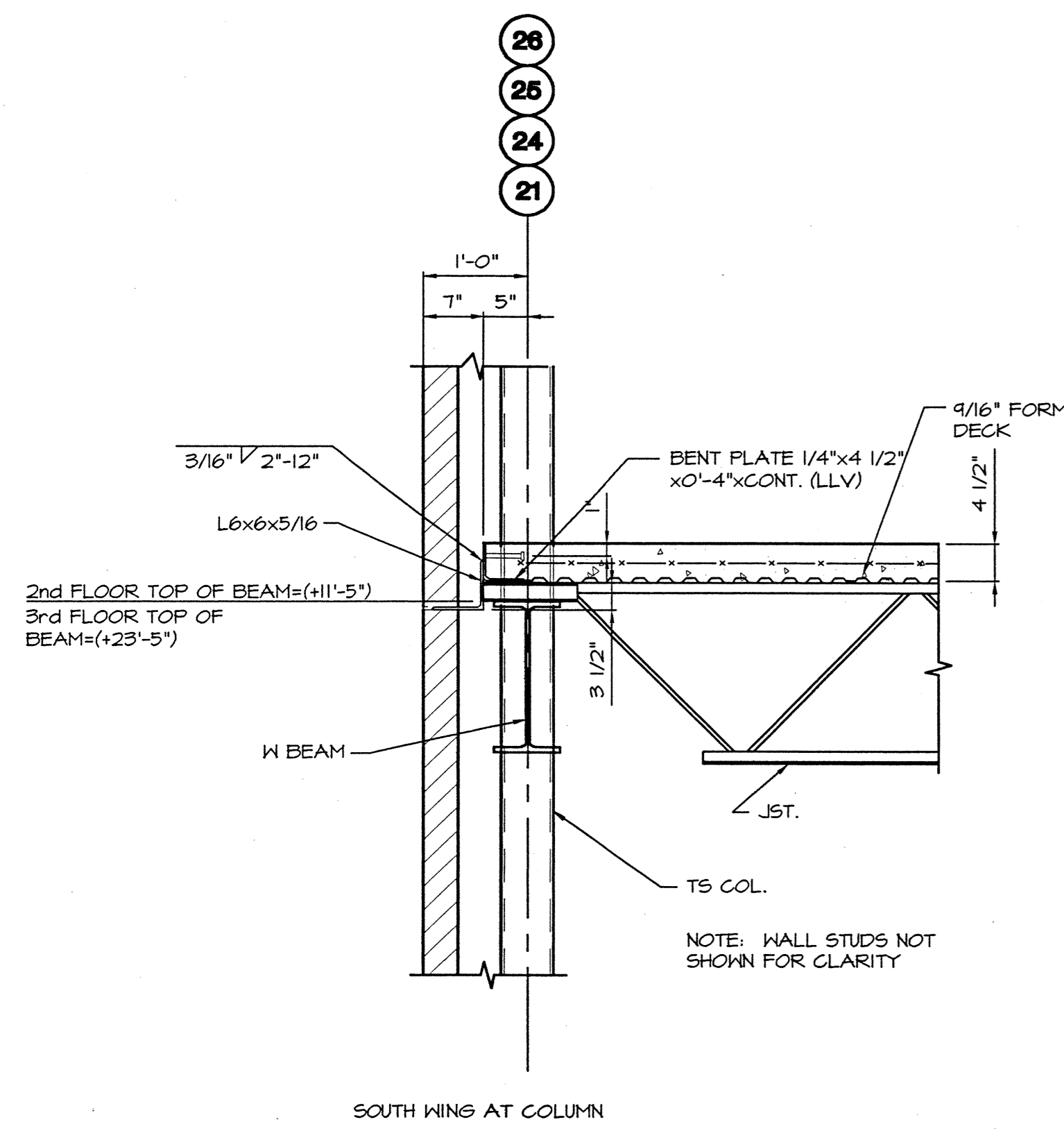


**SECTION H**  
 3/4" = 1'-0"  
 H S2.0

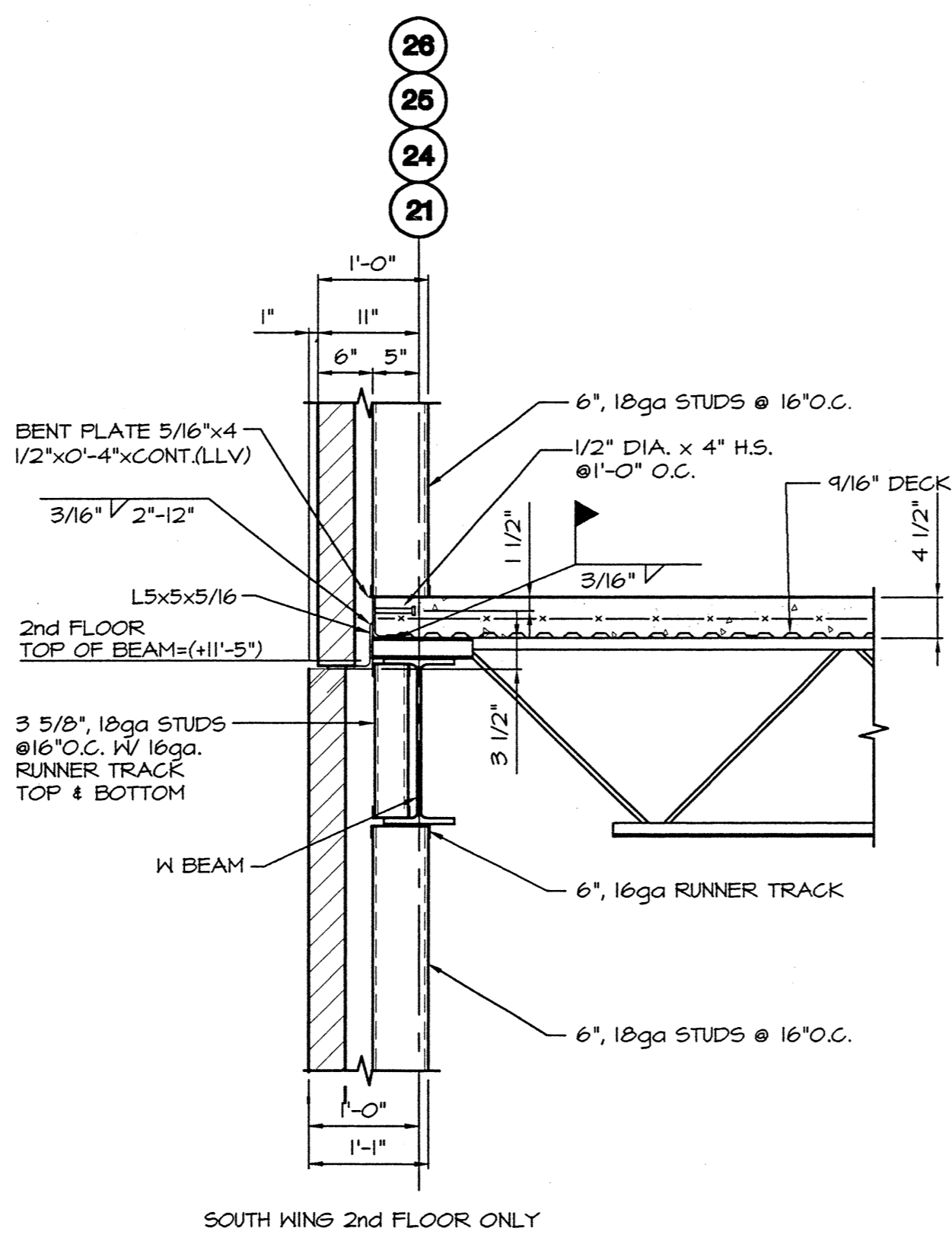


**Architects and Engineers**  
 114 Virginia Street, P.O. Box 400  
 Richmond, Virginia 23203-0400

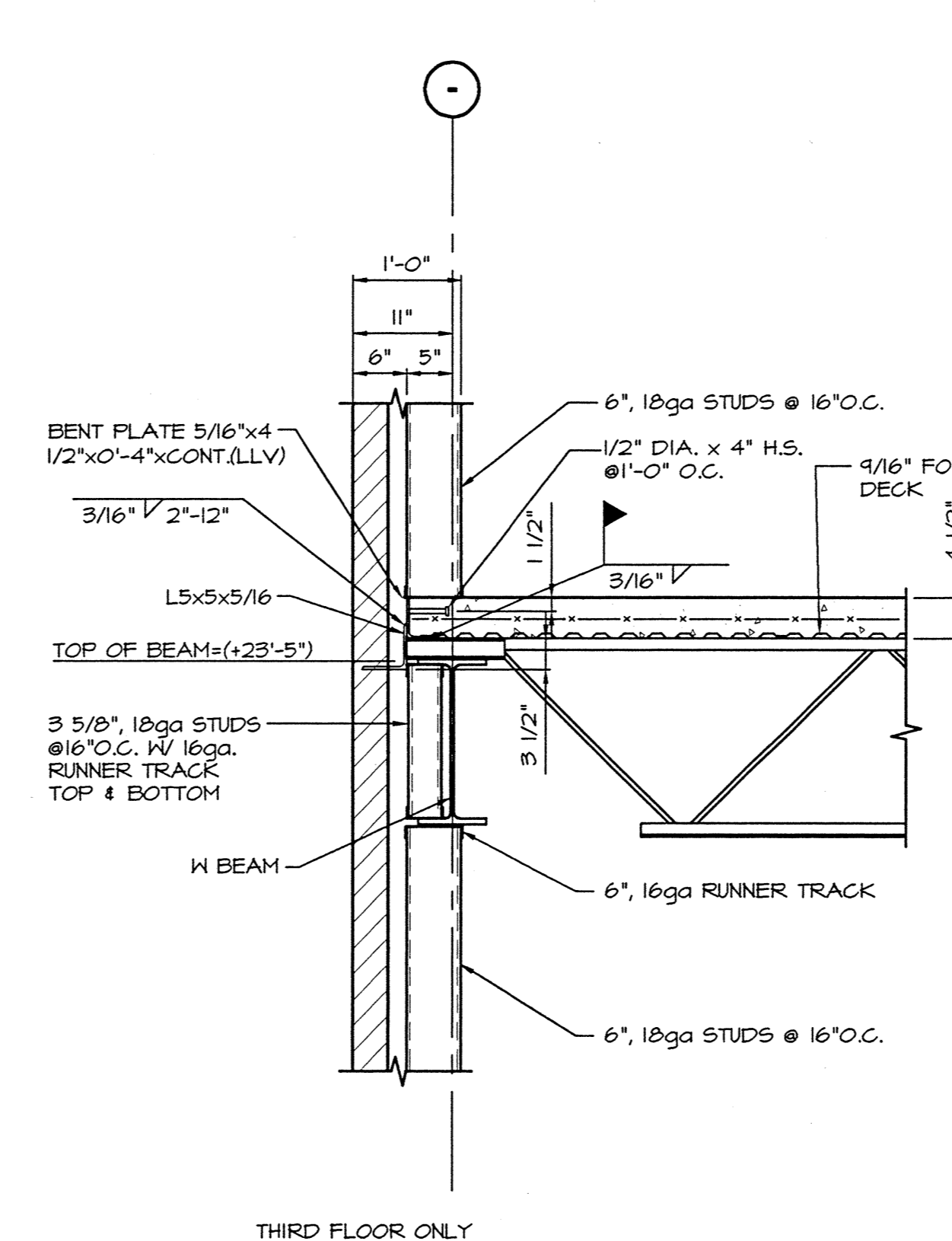
B A S K E R V I L L E S O N



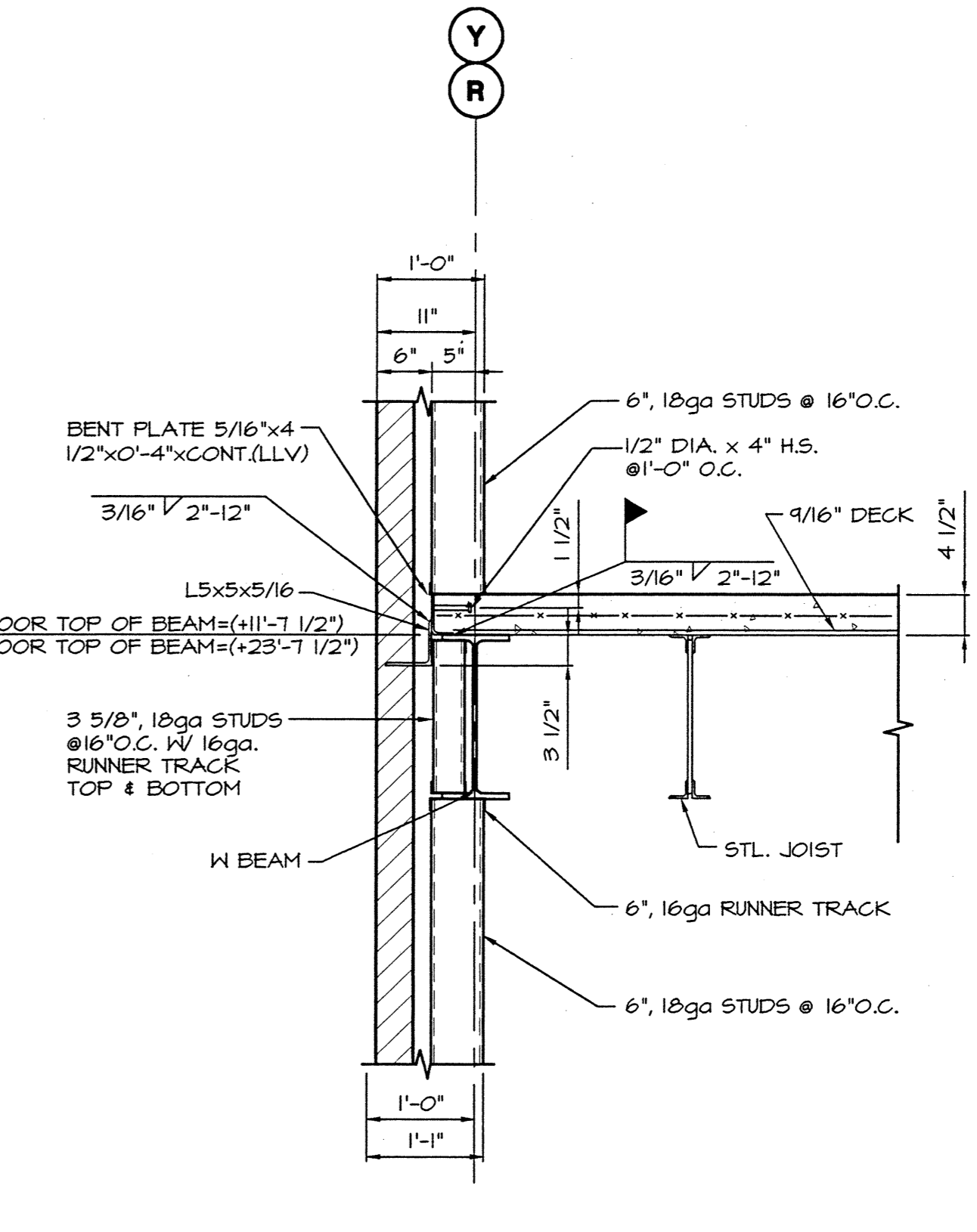
**SECTION A**  
 3/4"=1'-0"  
 S21



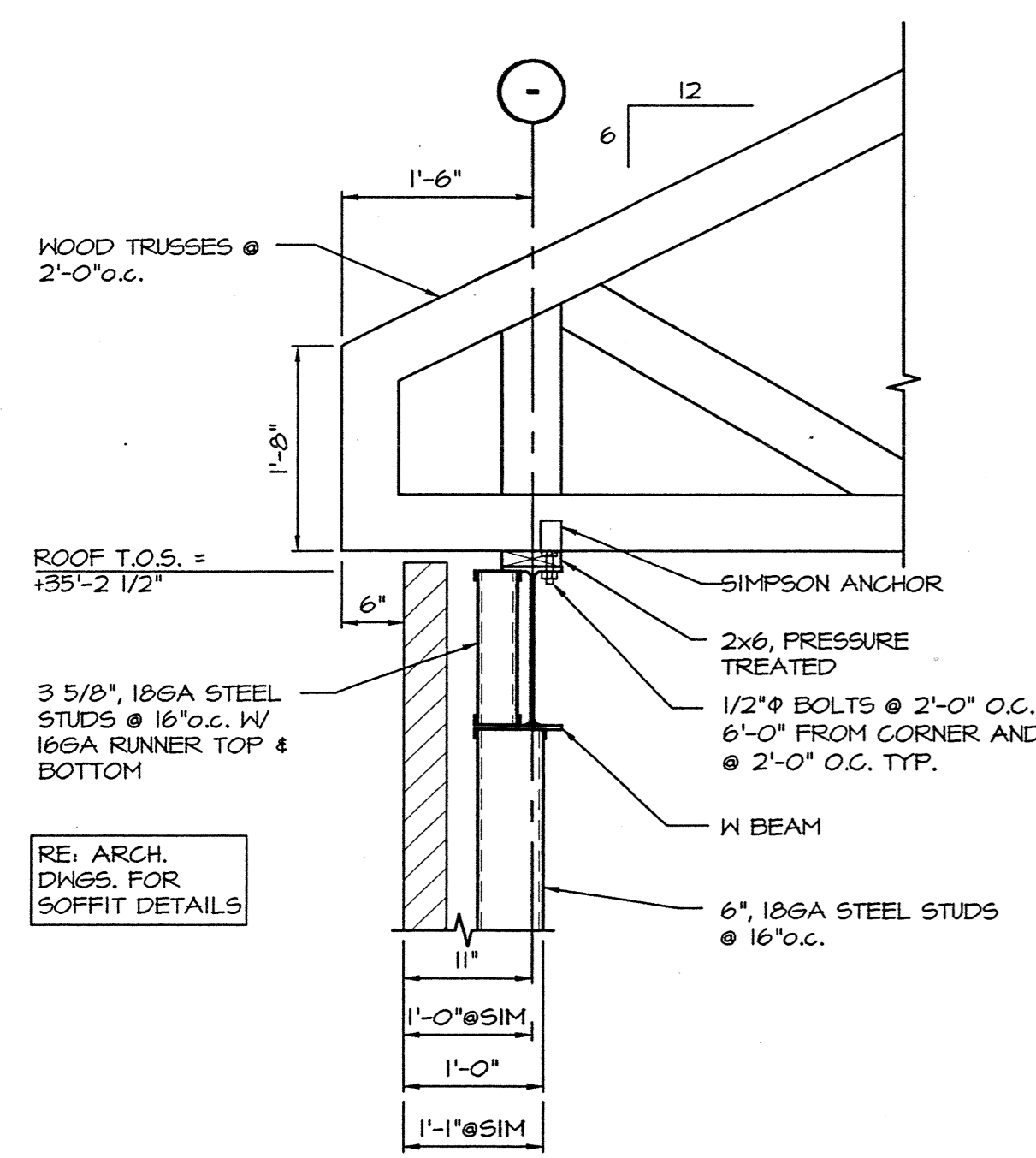
**SECTION B**  
 3/4"=1'-0"  
 S21



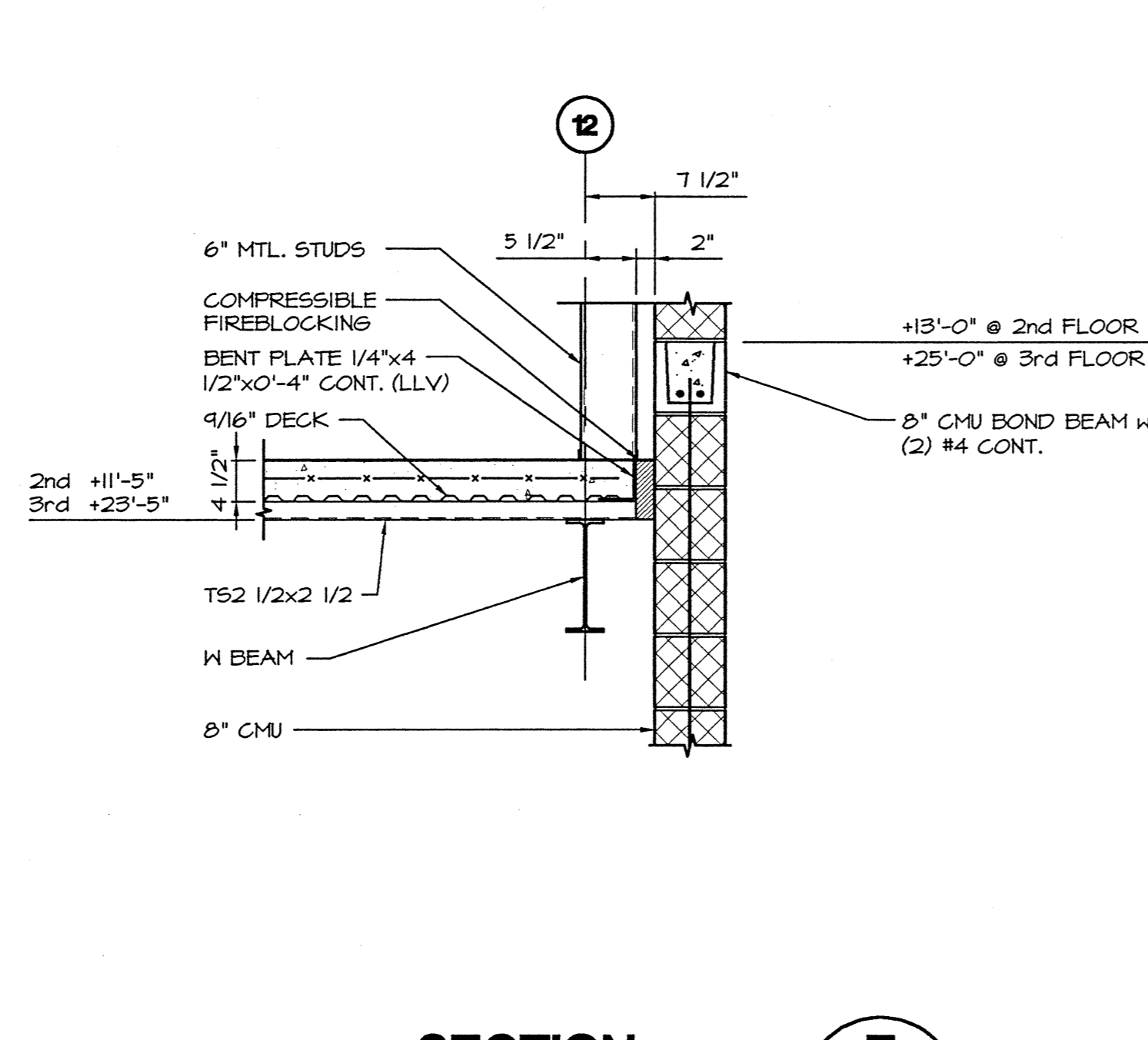
**SECTION C**  
 3/4"=1'-0"  
 S21



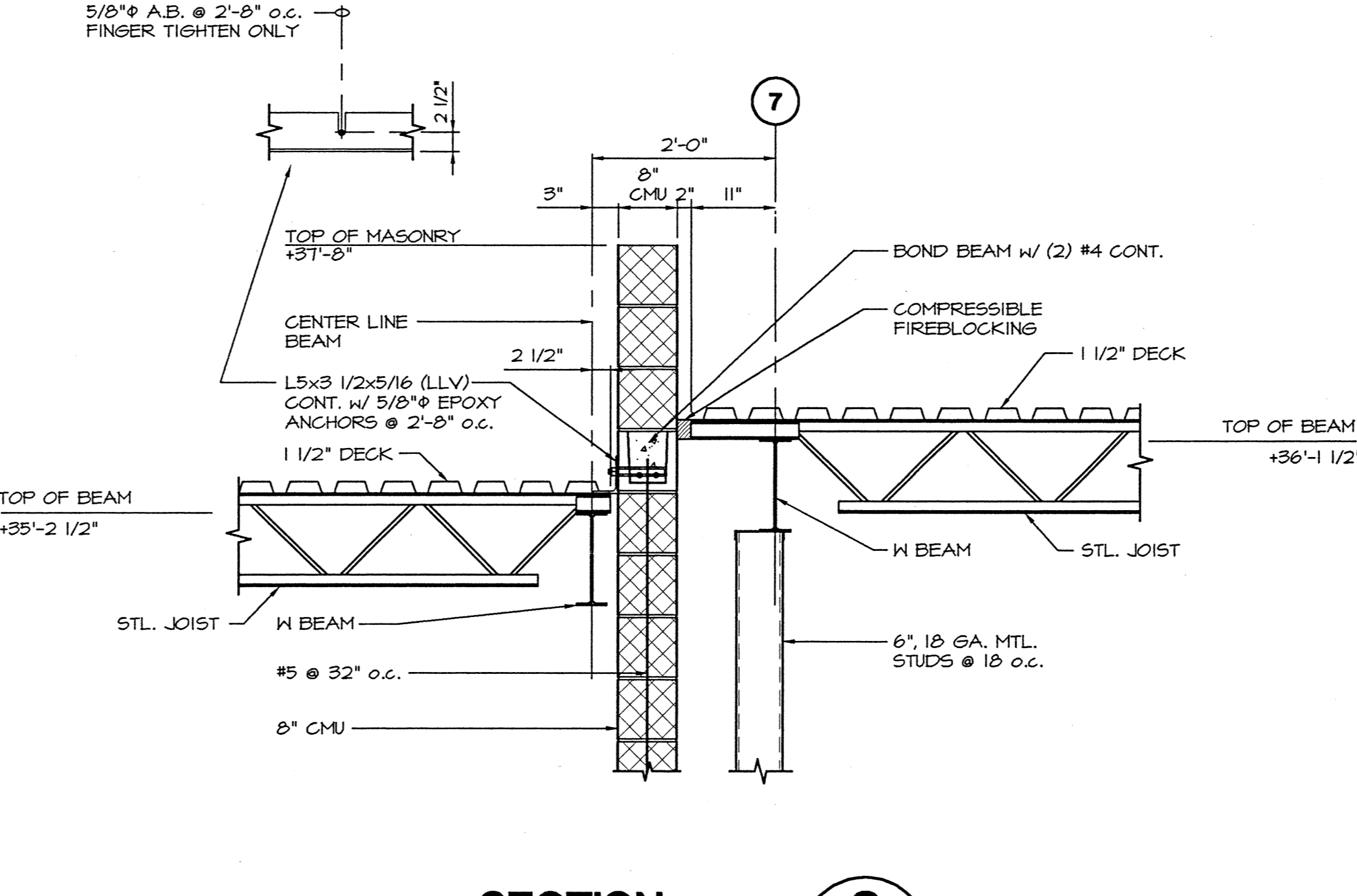
**SECTION D**  
 3/4"=1'-0"  
 S21



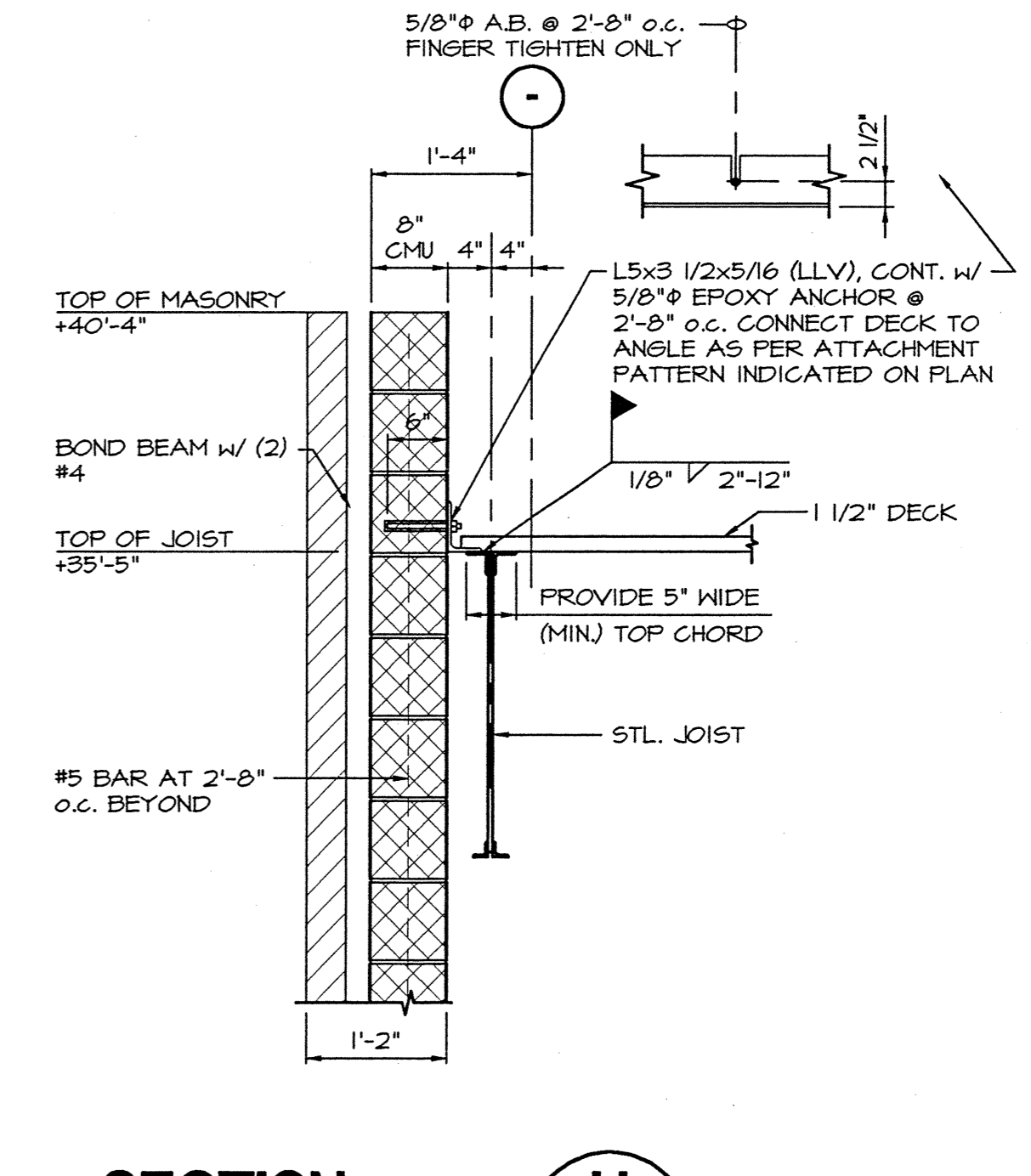
**SECTION E**  
 3/4"=1'-0"  
 S21 Esim S21



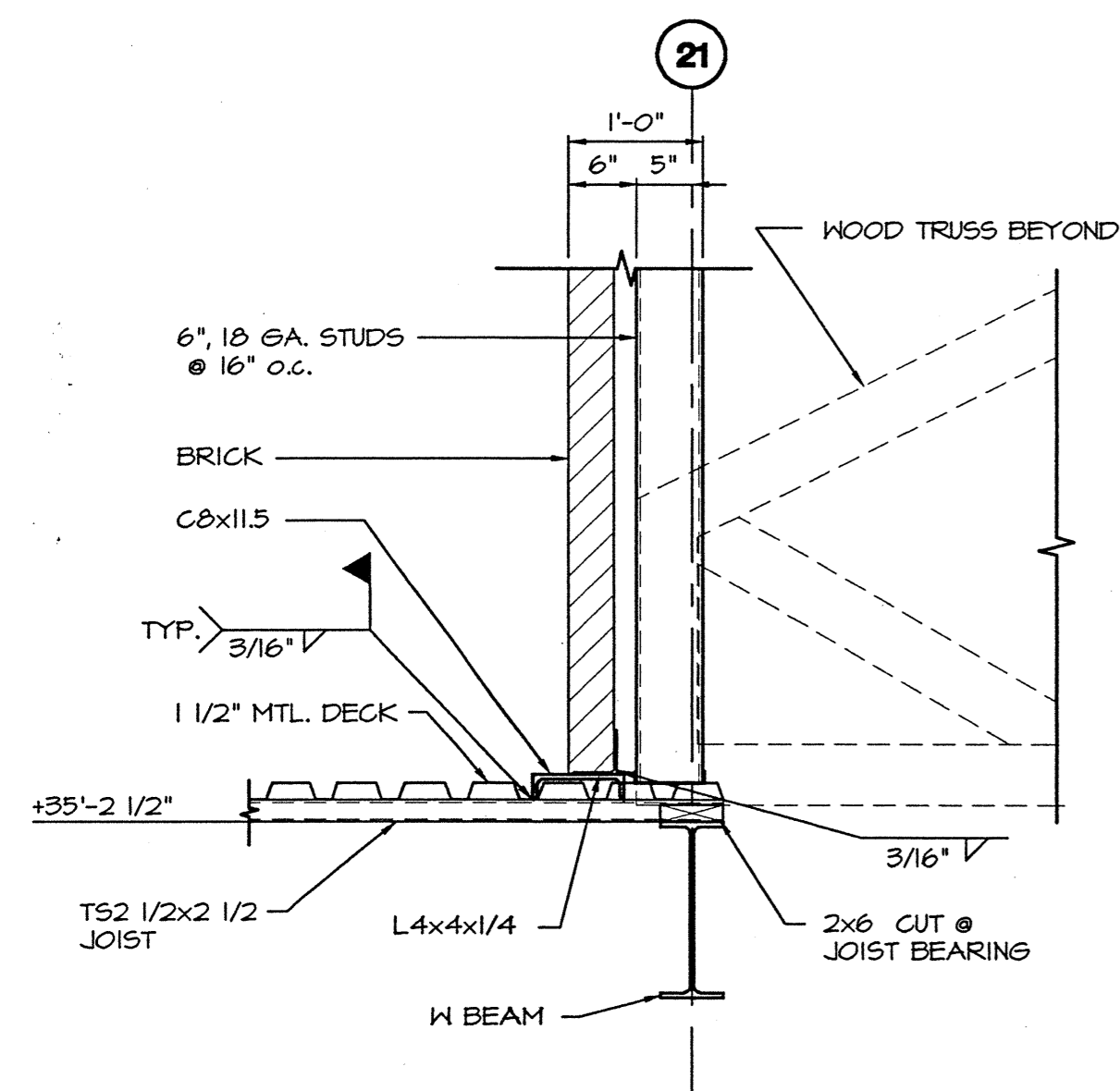
**SECTION F**  
 3/4"=1'-0"  
 S21



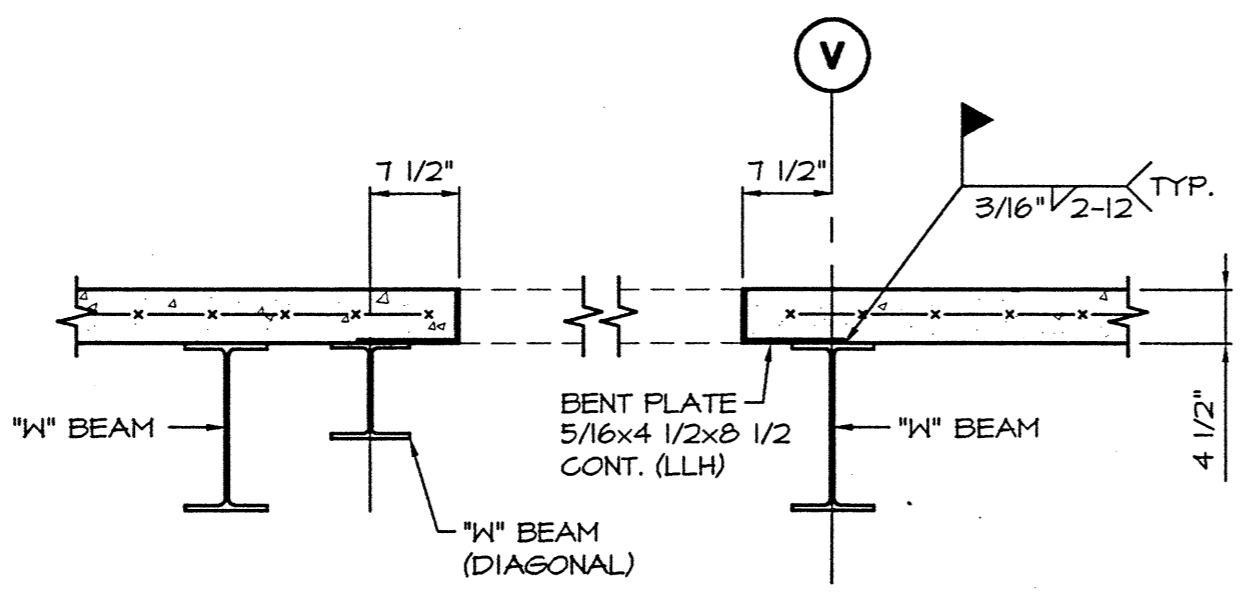
**SECTION G**  
 3/4"=1'-0"  
 S21



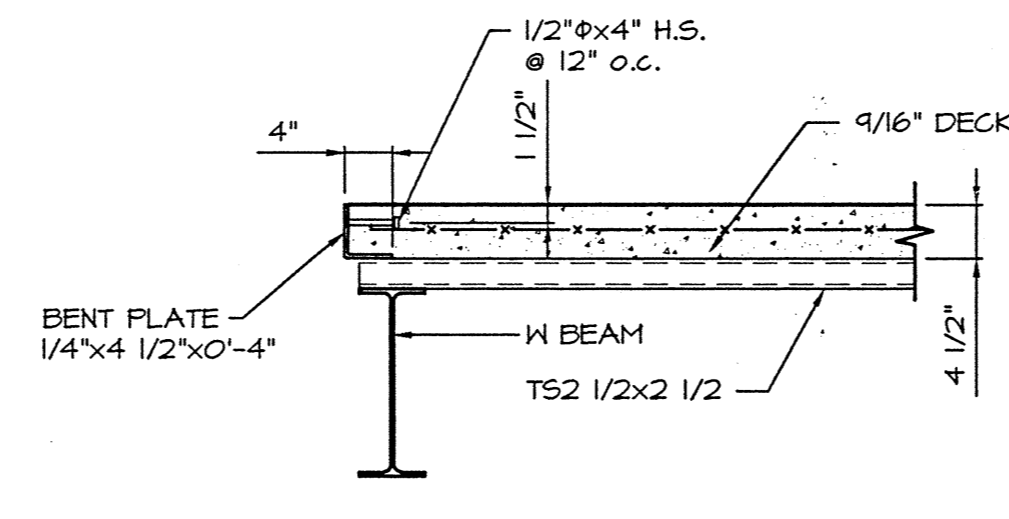
**SECTION H**  
 3/4"=1'-0"  
 S21



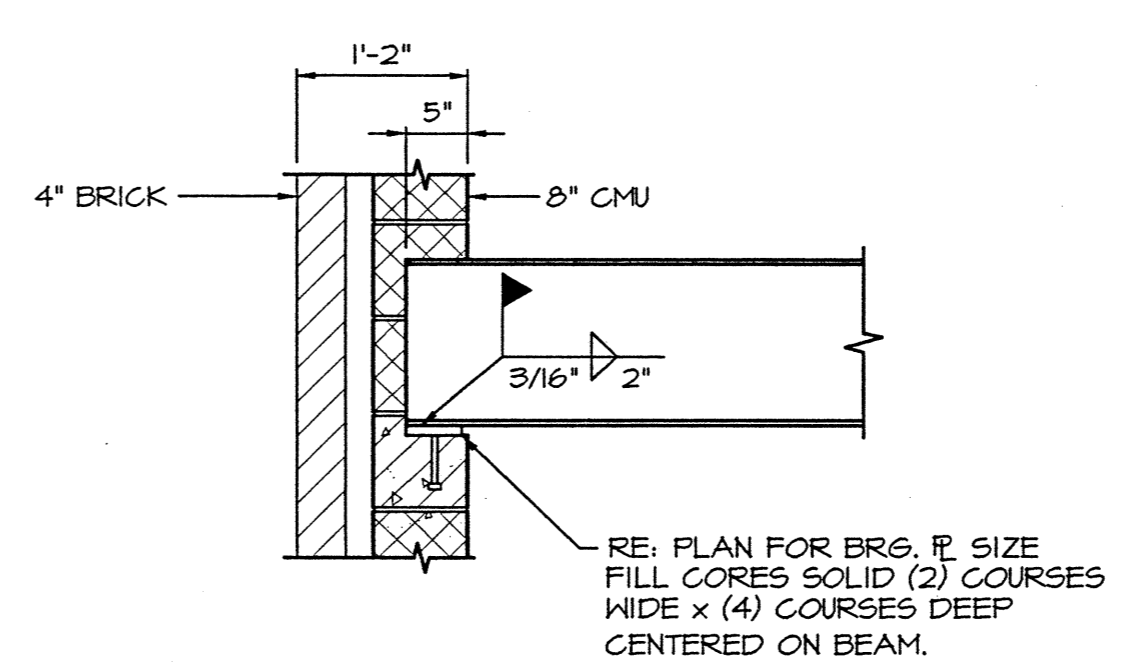
**SECTION J**  
 3/4"=1'-0"  
 S21



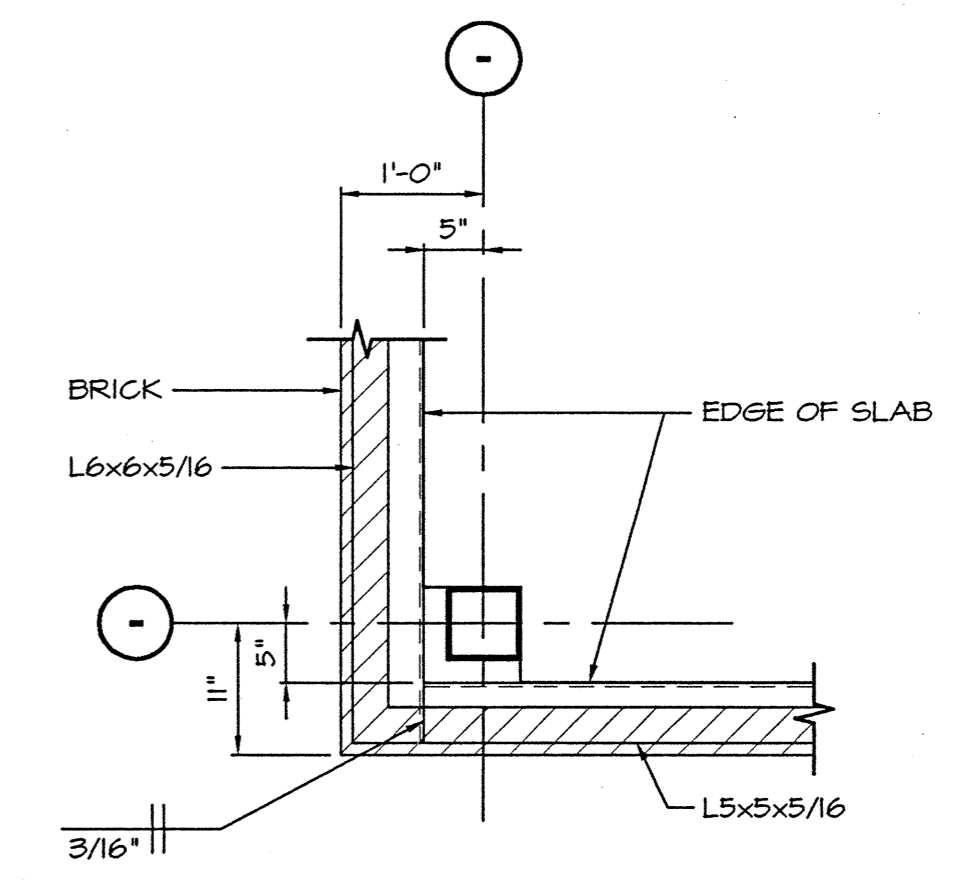
**SECTION K**  
 3/4"=1'-0"  
 S21



**SECTION L**  
 3/4"=1'-0"  
 S21

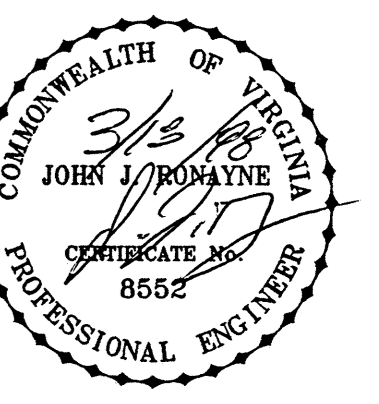


**SECTION M**  
 3/4"=1'-0"  
 S21



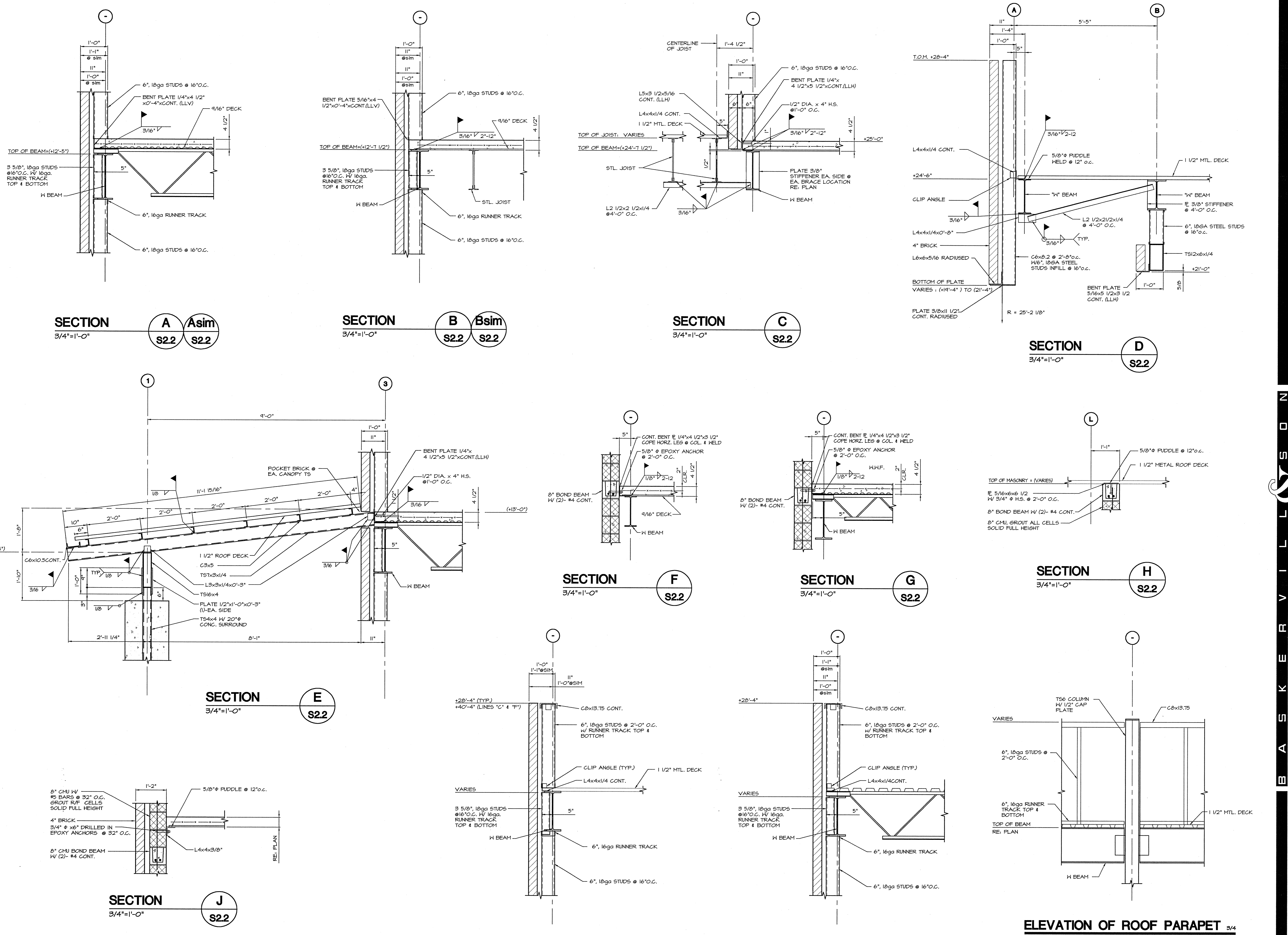
**PLAN OF MASONRY RELIEF ANGLE @ CORNERS, SOUTH WING**





**Architects and Engineers**  
 114 Virginia Street, P.O. Box 400  
 Richmond, Virginia 23203-0400

B A S K E T B A L L S O N



DRAWING TITLE \_\_\_\_\_

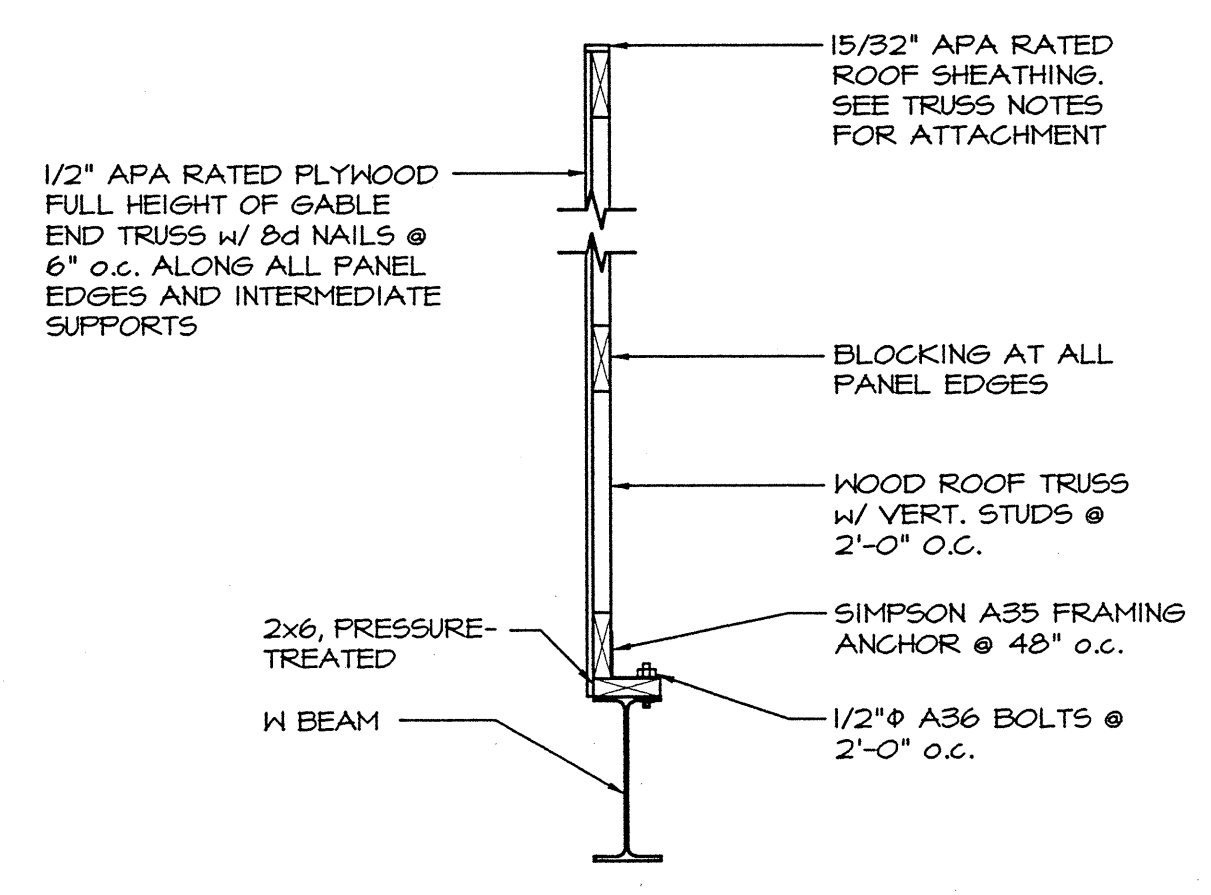
**SECTIONS AND DETAILS AT NORTH WING**

DATE \_\_\_\_\_  
**03/18/98**

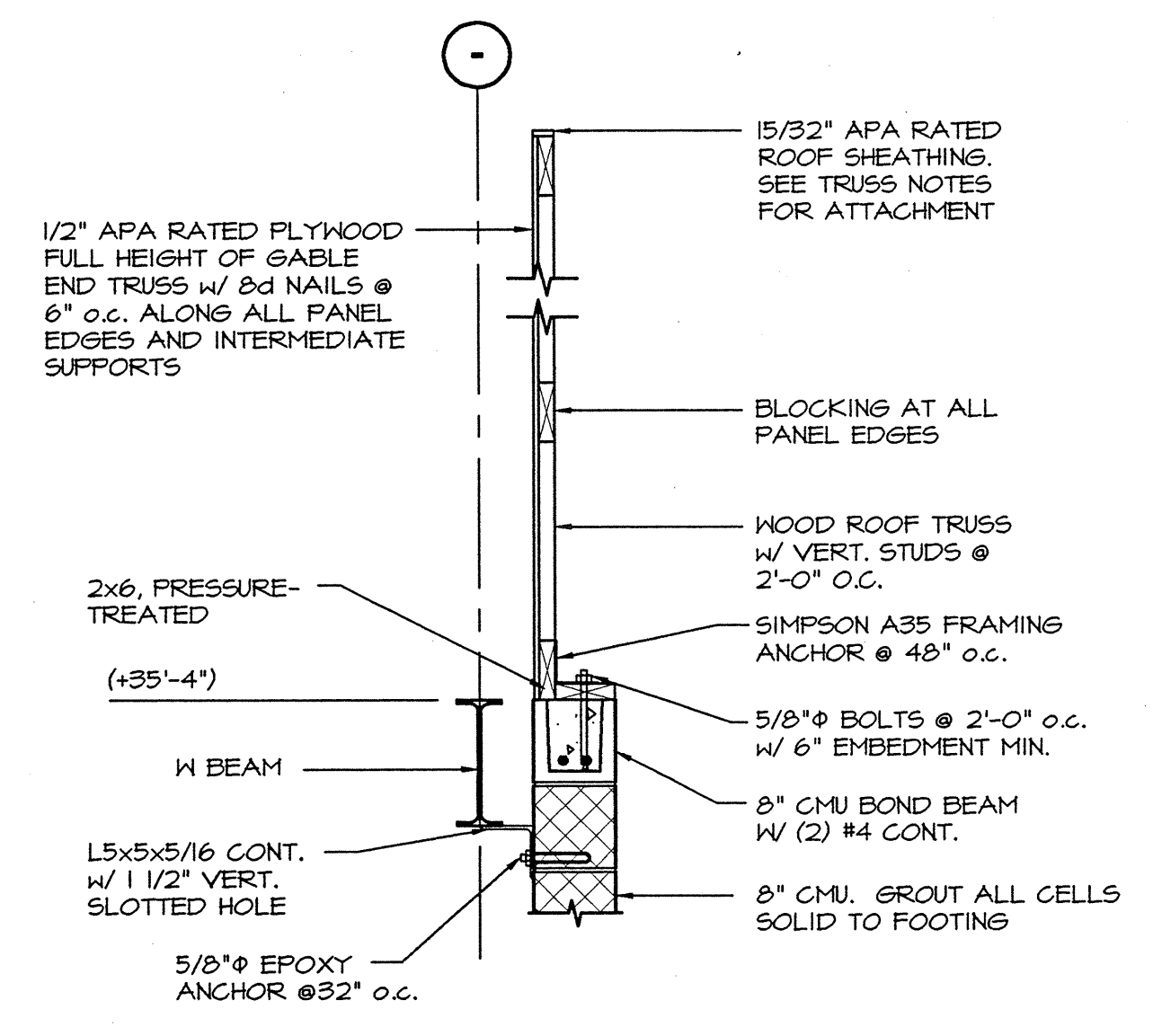
REVISIONS \_\_\_\_\_

© 1997 Rubicon-41 & Co. Material included herein is covered by copyright. Use of this work in whole or in part is forbidden without the expressed written consent of Rubicon-41 & Co.

DRAWING NUMBER \_\_\_\_\_  
**97187**

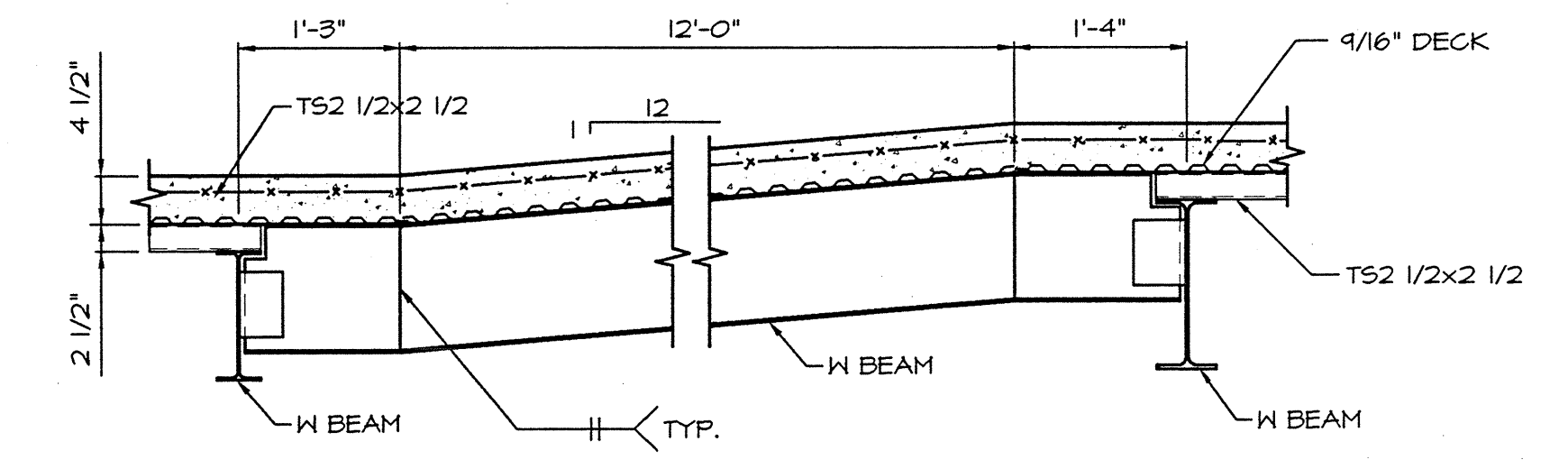


**SECTION A**  
3/4"=1'-0"  
S2.3

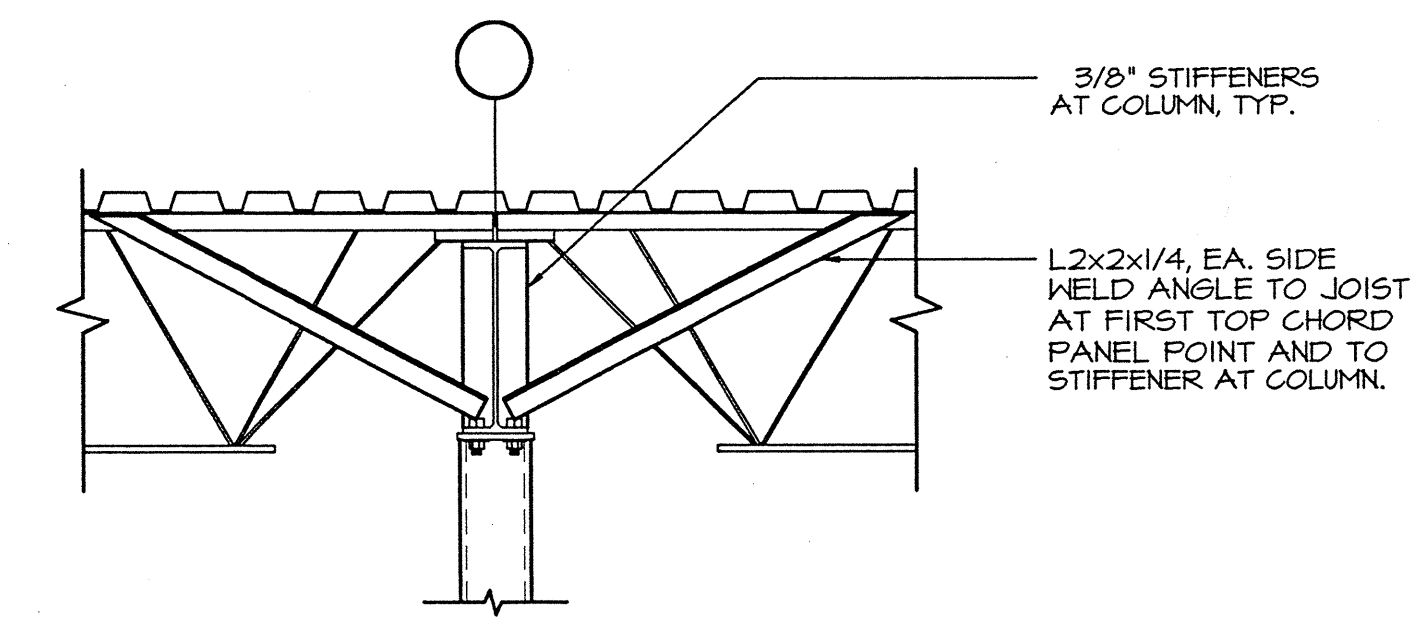


**SECTION B**  
3/4"=1'-0"  
S2.3

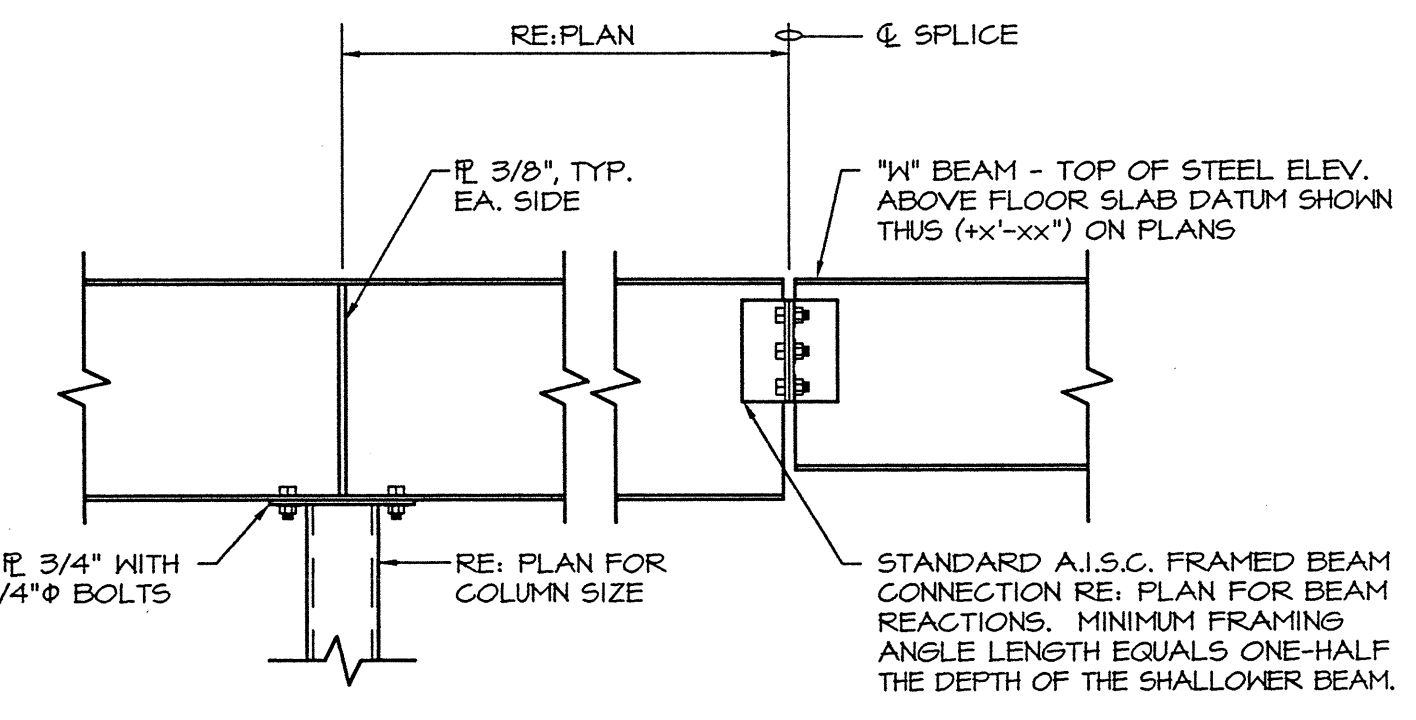
**TYP. SLAB EDGE @ OPENING U.N.O.**  
3/4"=1'-0"



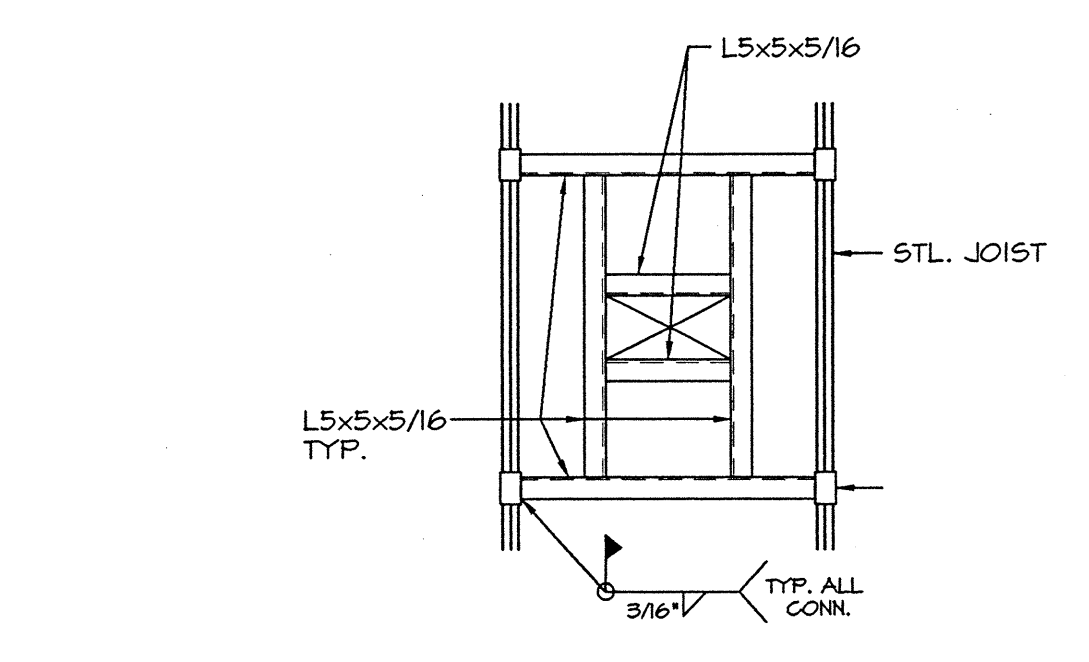
**SECTION C**  
3/4"=1'-0"  
S2.3



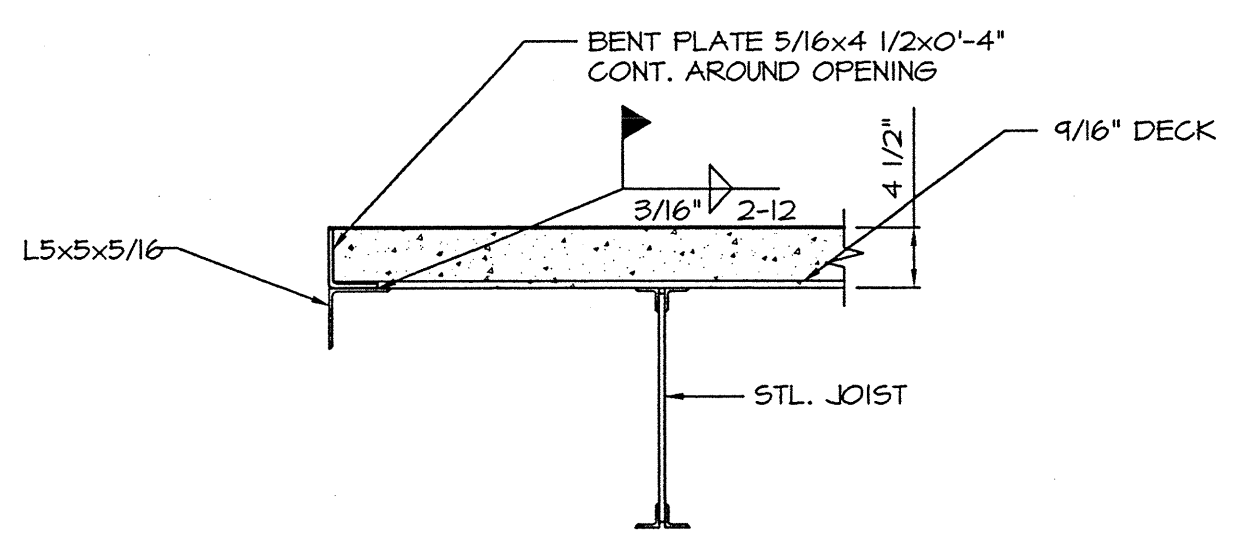
**TYPICAL COLUMN BRACE DETAIL**  
3/4"=1'-0"



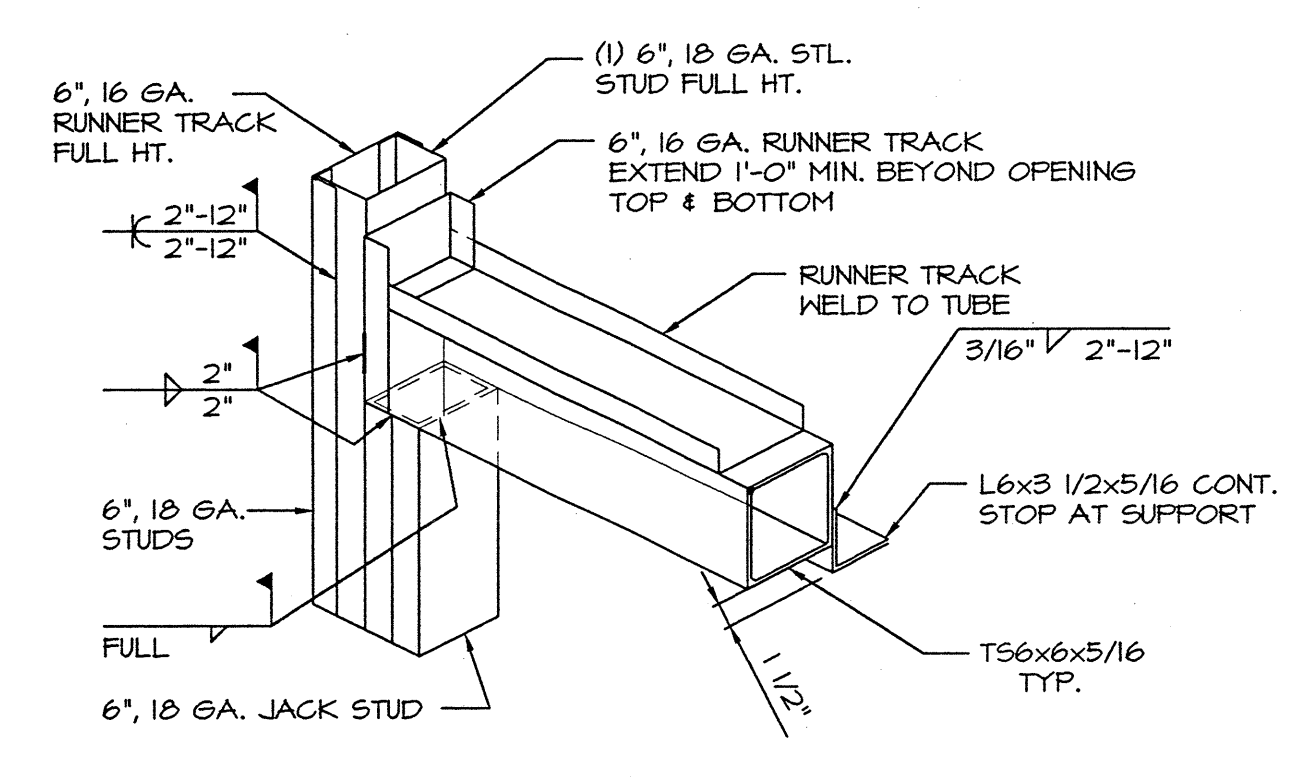
**TYPICAL BEAM SPLICE DETAIL**  
3/4"=1'-0"



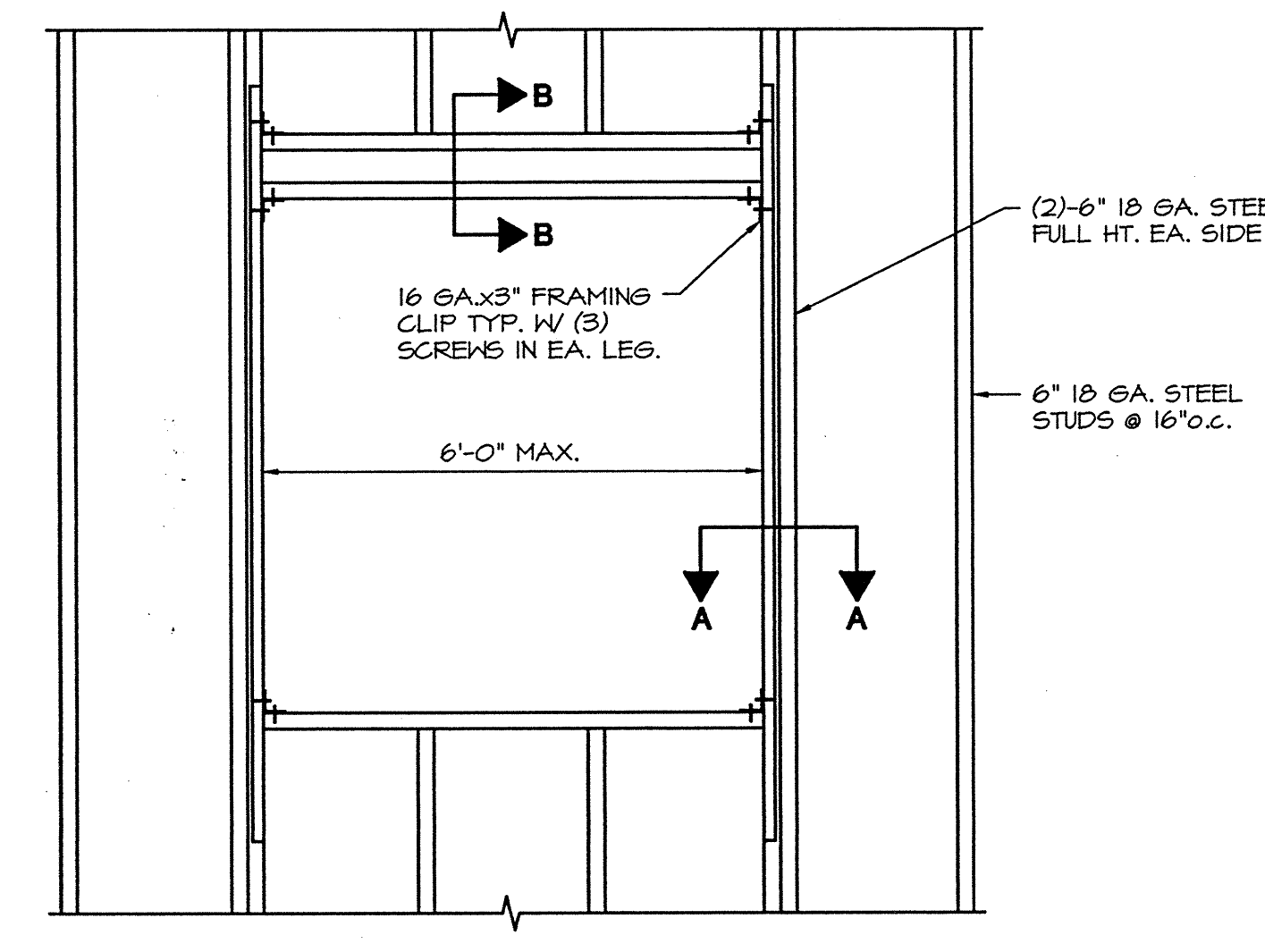
**PLAN OF 1'-6"x1'-6" FLOOR OPENING**  
3/4"=1'-0"



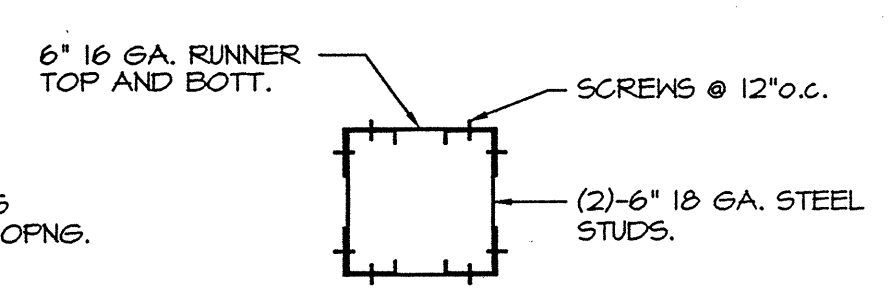
**SLAB EDGE @ 1'-6"x1'-6" FLOOR OPENING**  
3/4"=1'-0"



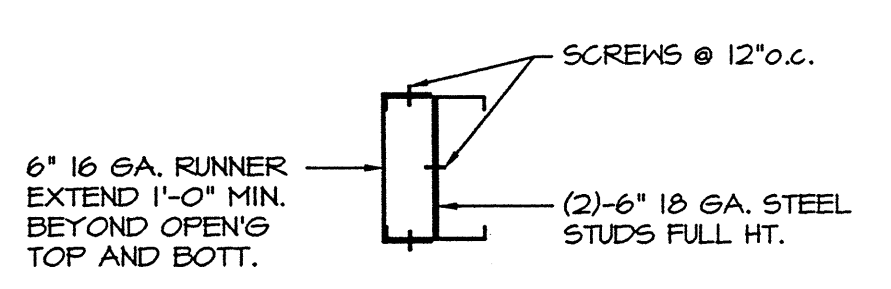
**LINTEL DETAIL L-1**  
3/4"=1'-0"



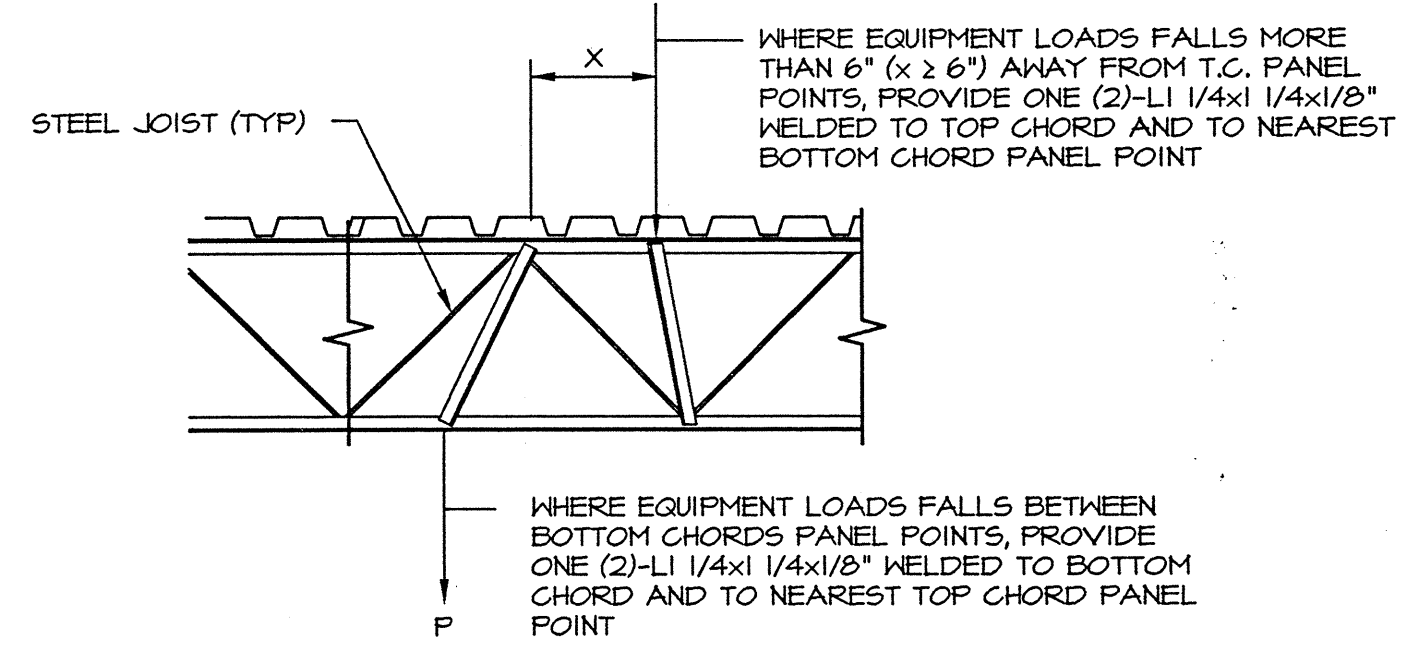
**TYP. WINDOW OPENING**  
3/4"=1'-0"



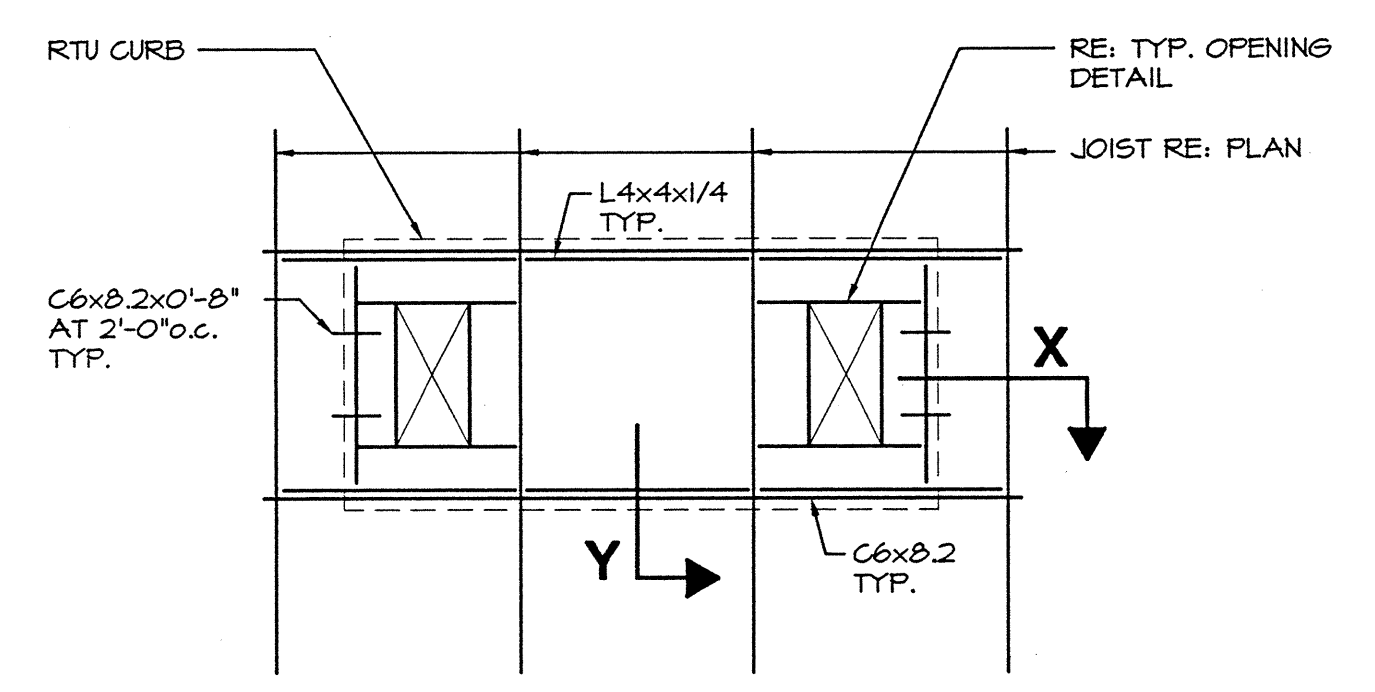
**B**  
1/2"=1'-0"



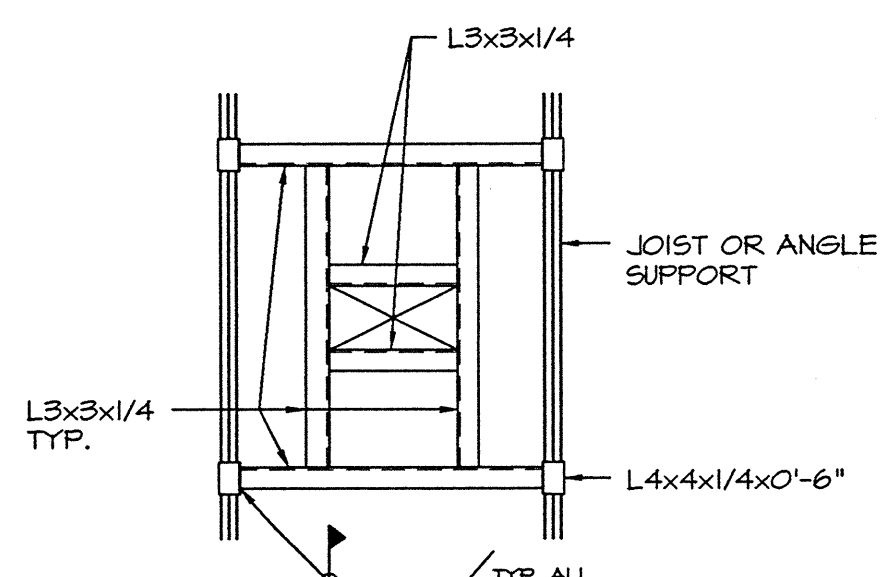
**A**  
1/2"=1'-0"



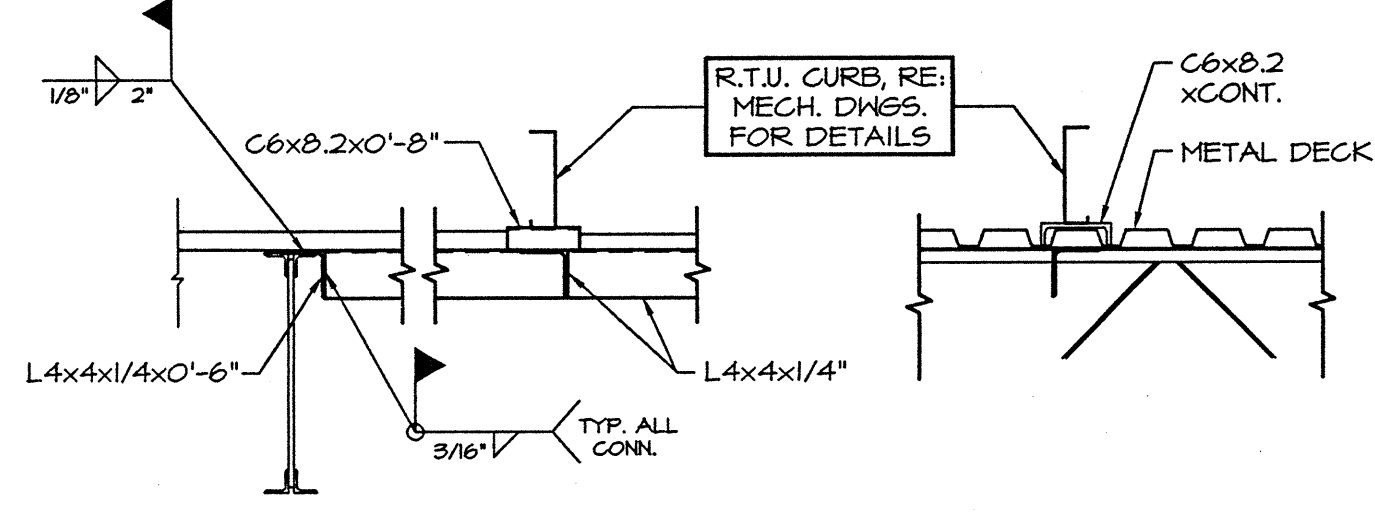
**STL. JOIST POINT LOAD DETAIL**  
NO SCALE  
REQUIRED WHERE P > 150#



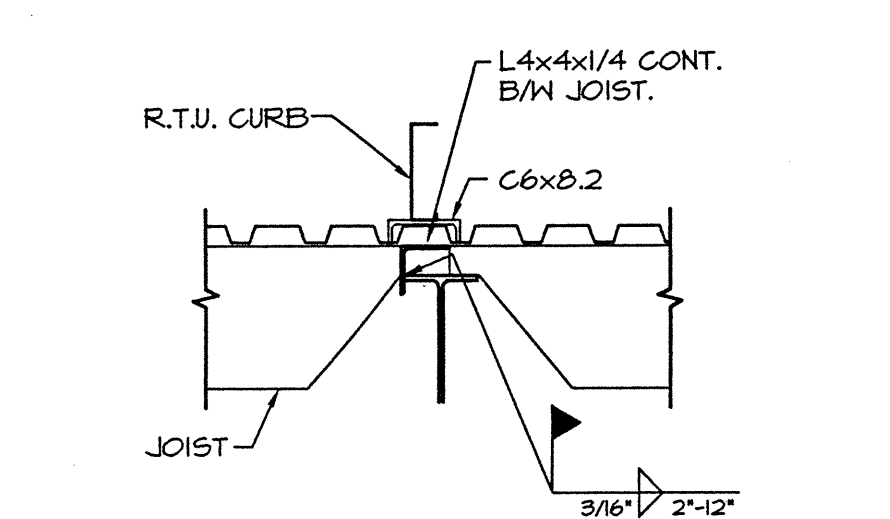
**TYP. R.T.U. CURB SUPPORT**  
NO SCALE



**TYPICAL ROOF OPENING DETAIL**  
NO SCALE



**SECTION X**  
NO SCALE



**SECTION Y**  
NO SCALE

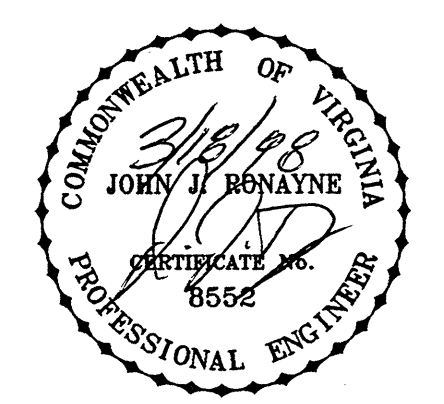
**R.T.U. CURB AT BEAM**  
NO SCALE

OWNER  
**RUBICON INC.**

COMMISSION  
**MEN'S RESIDENTIAL TREATMENT FACILITY**

**RADY ST. RICHMOND, VA**

**RONAYNE & TURNER ASSOCIATES, P.C.**  
CONSULTING ENGINEERS  
10962-A RICHARDSON ROAD  
ASHLAND, VIRGINIA 23005  
PHONE (804)-550-3807



**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23203-0400

E A S K E R V I L L S O N

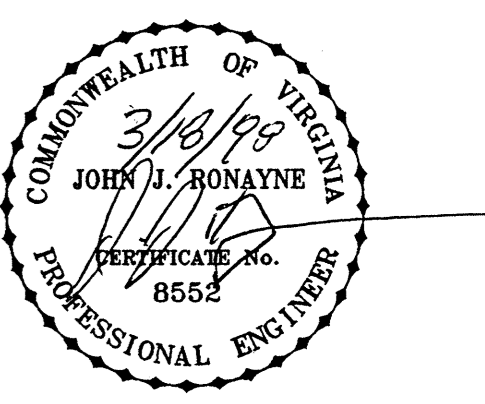
DRAWING TITLE  
**ROOF, FLOOR AND WALL SECTIONS AND DETAILS**

DATE  
**03/18/98**

REVISIONS

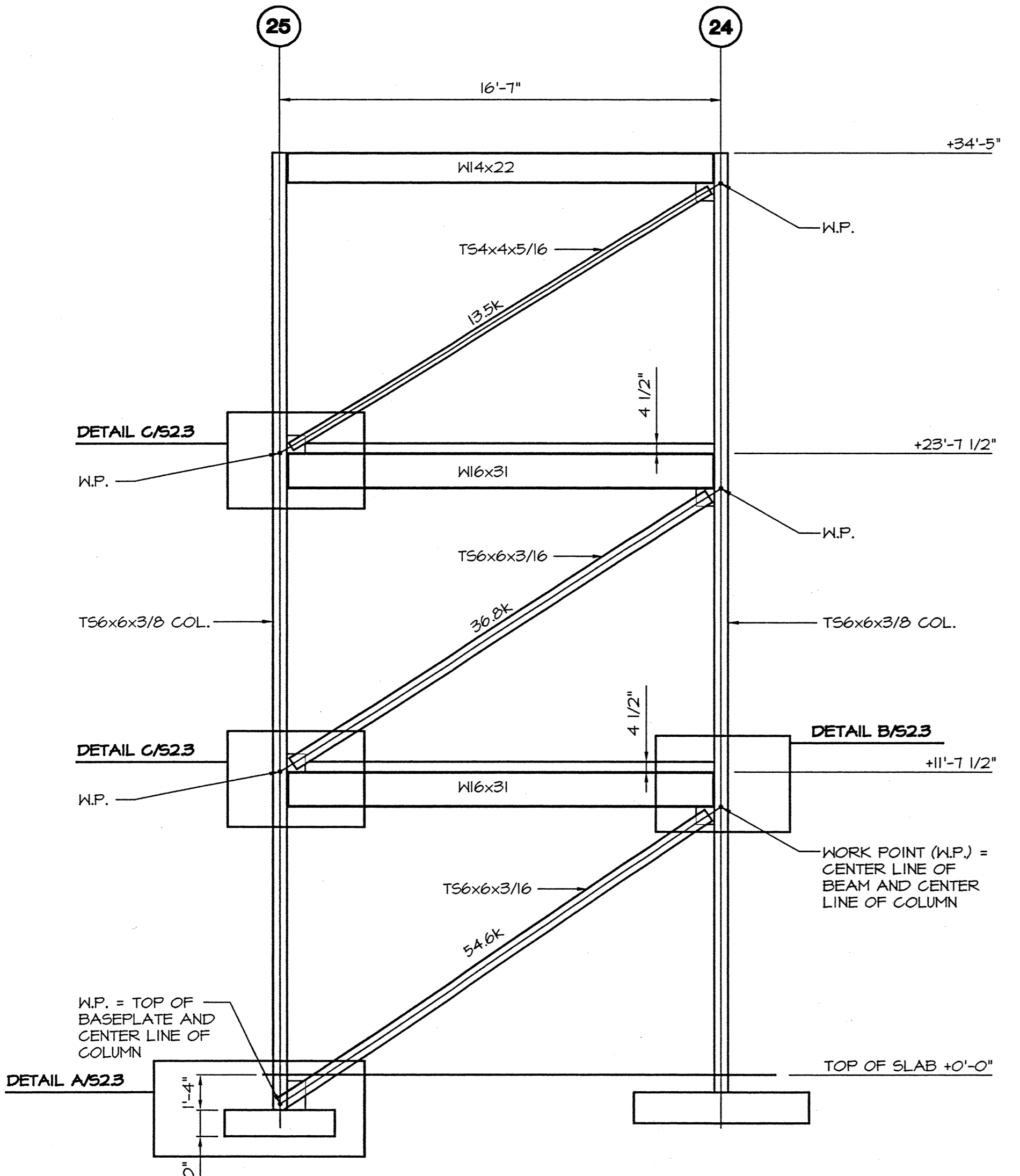
DRAWING NUMBER  
**97187**

**S2.3**

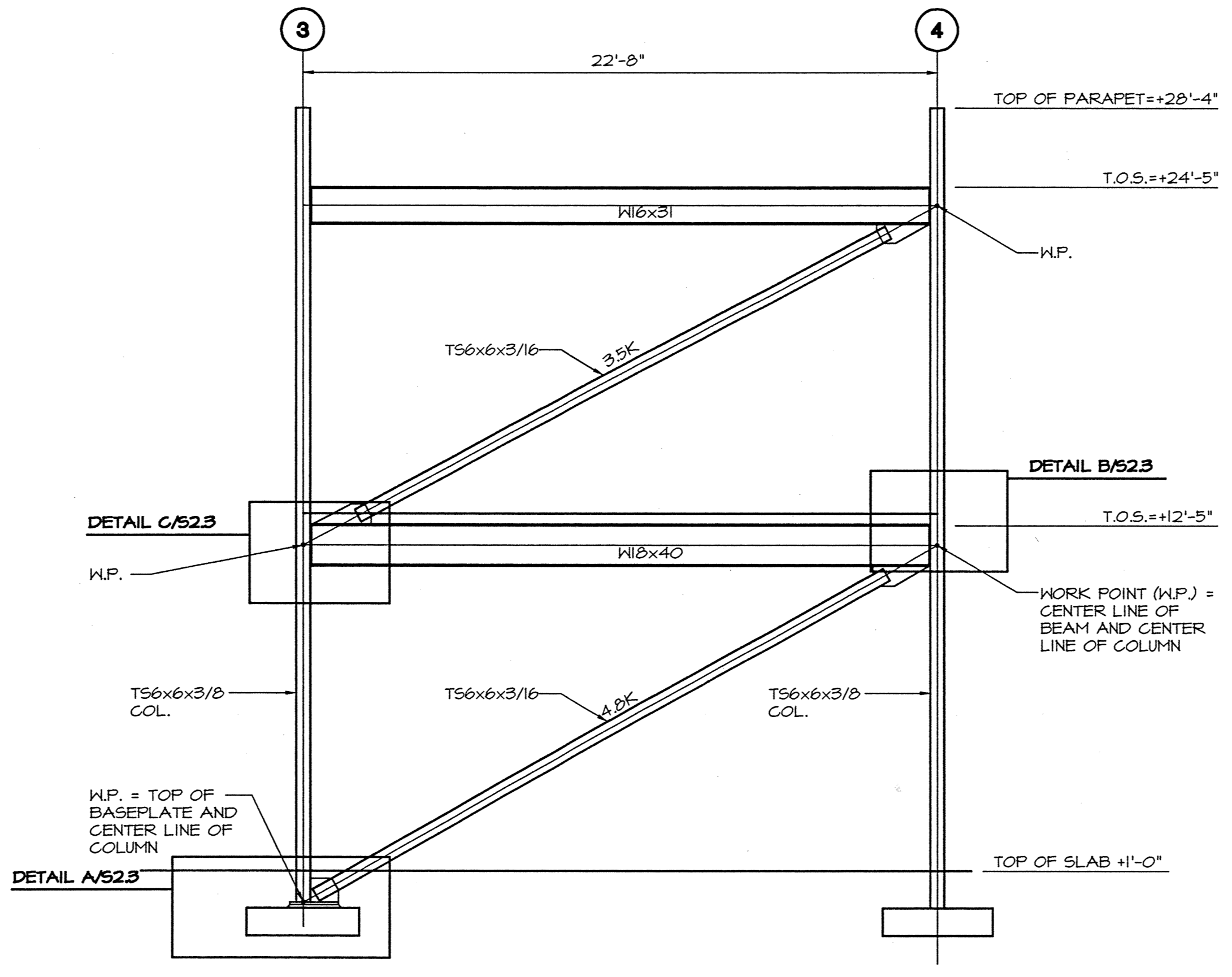


**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23203-0400

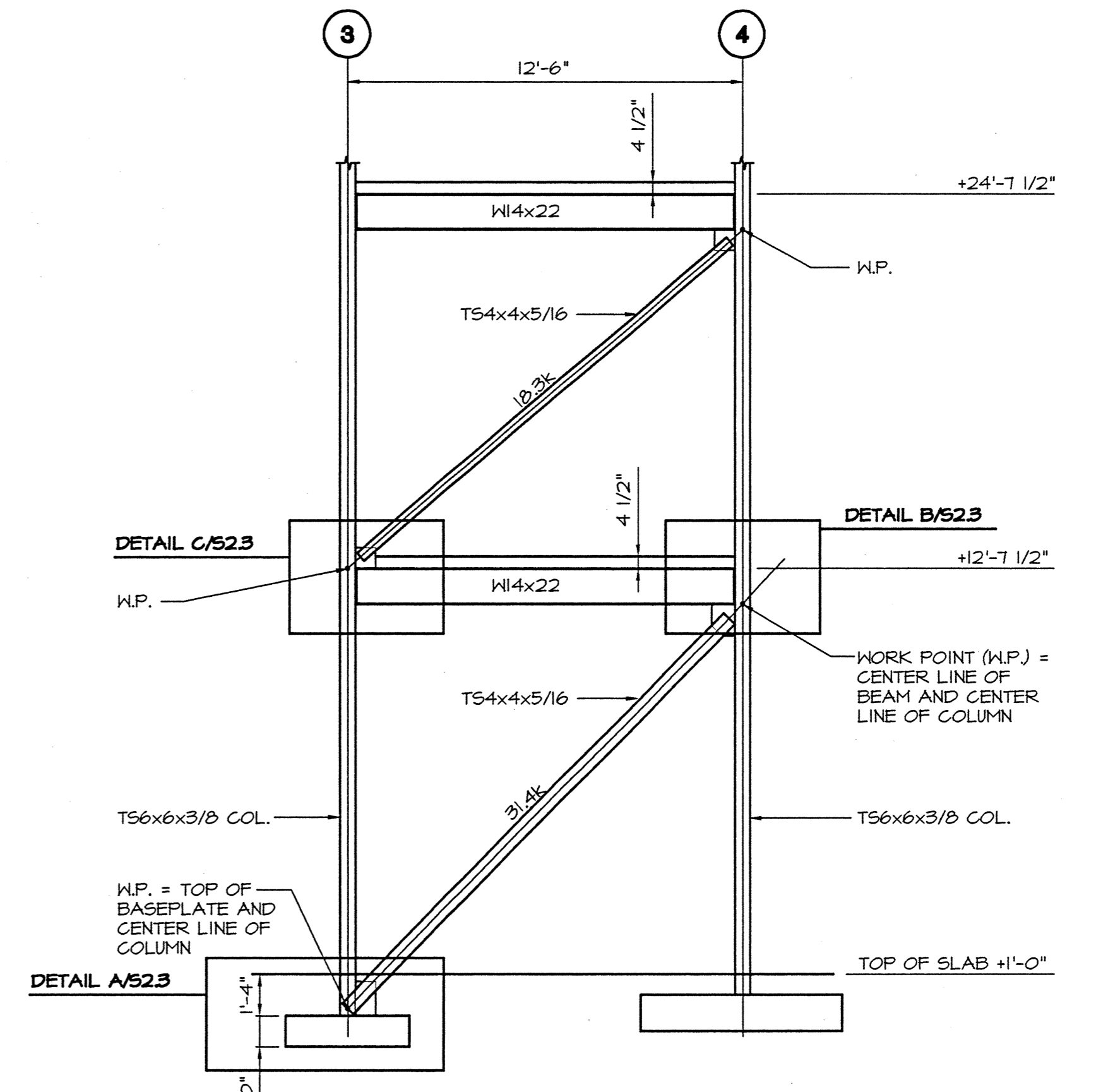
**AS K E R V I L L E S O N**



**BRACE #1 ELEVATION ON GRID U**



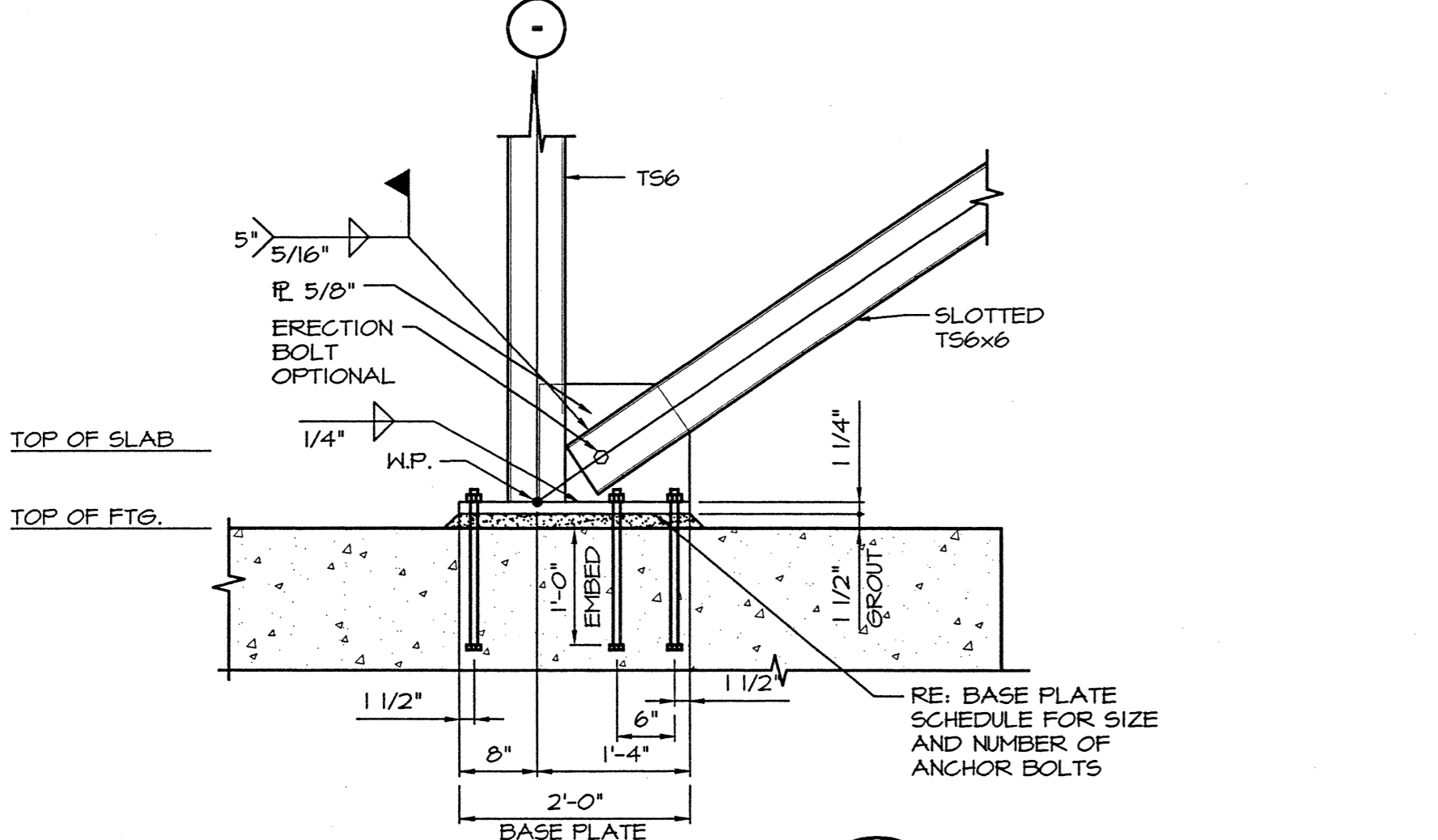
**BRACE #3 ELEVATION ON GRIDS 1 & 7  
(2 THUS)**



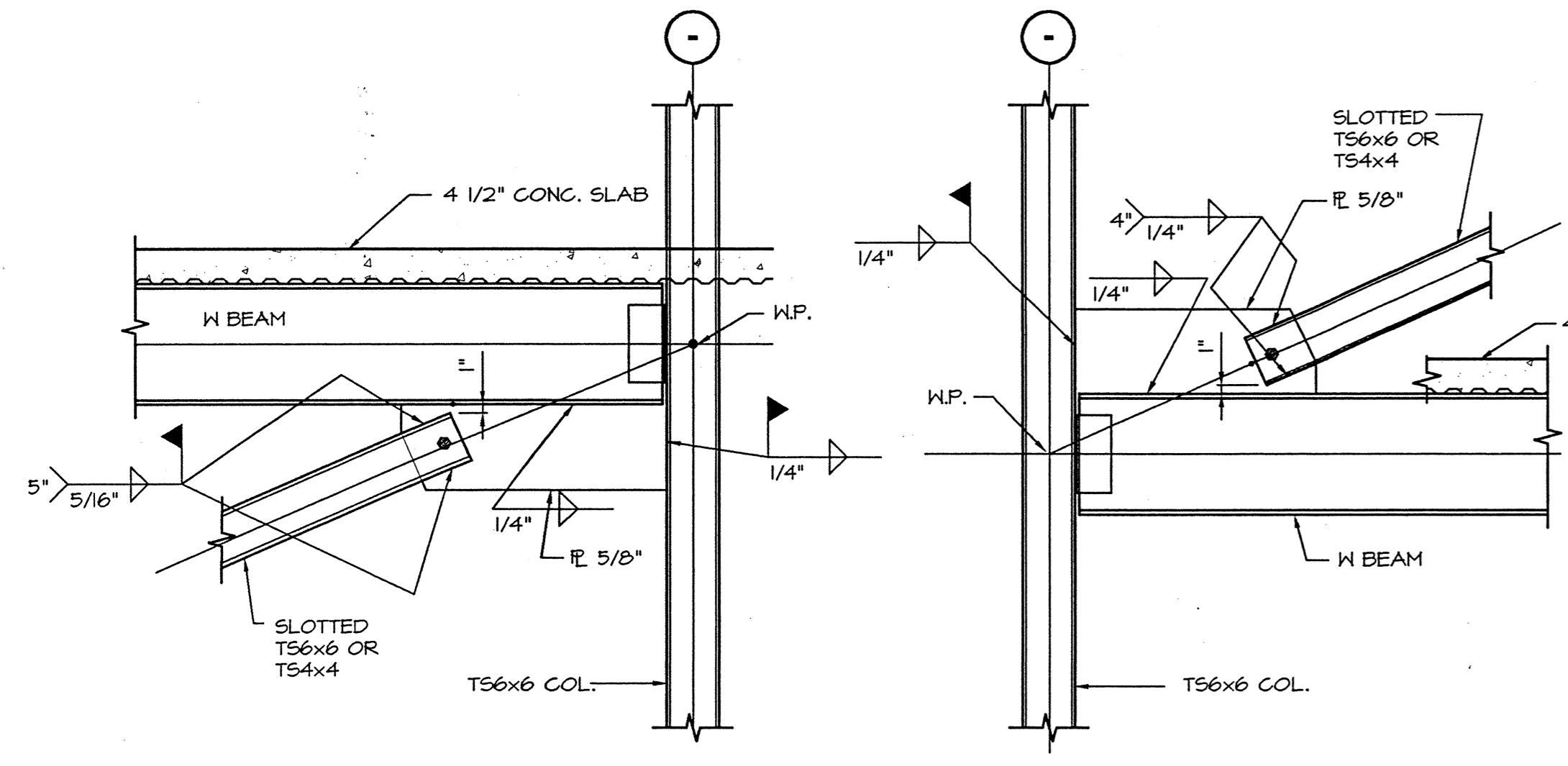
**BRACE #2 ELEVATION ON GRID C**

**GENERAL STRUCTURAL NOTES**

- IT IS THE INTENT OF THESE DRAWINGS THAT THE STRUCTURE IS TO BE FOUND ON NATURAL, UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL HAVING A SAFE ALLOWABLE BEARING PRESSURE OF 2500 PSF. THE MODULUS OF SUBGRADE REACTION FOR SLAB ON GRADE DESIGN IS 200 PCF/1. A SUBSURFACE INVESTIGATION HAS BEEN PREPARED BY E.C.S. LTD., COPIES OF WHICH MAY BE EXAMINED AT THE OFFICE OF THE ARCHITECT.
- PROPERLY BRACE AND SHORE ALL CONSTRUCTION TO SAFELY RESIST ALL REASONABLE LOADS TO WHICH THE CONSTRUCTION MAY BE SUBJECTED UNTIL IT IS TIED INTO THE STRUCTURE IN ITS FINAL POSITION. FILL AND/OR BACKFILL PLACED AGAINST WALLS SHALL BE BROUGHT UP EQUALLY ON BOTH SIDES OF THE WALL. WHERE EARTH IS RETAINED ON ONLY ONE SIDE OF THE WALL, THE WALL SHALL BE DESIGNED AND DETAILED BY AN ENGINEER REGISTERED IN VIRGINIA. SUBMIT DETAILED PLANS AND CALCULATIONS.
- VERIFY ALL PERTINENT EXISTING CONDITIONS. DO NOT USE STRUCTURAL DRAWINGS TO LAYOUT MECHANICAL OR ELECTRICAL PIPING WIRING OR OTHER ITEMS OR EQUIPMENT. DO NOT USE WALLS, COLUMNS, OR OTHER STRUCTURAL PLAN DIMENSIONS UNLESS THE ELEMENT LOCATIONS ARE VERIFIED WITH THE ARCHITECTURAL AND MECHANICAL DOCUMENTS AND FIELD VERIFIED. BRING TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- MATERIALS:**
  - EARTHWORK: CRUSHED STONE 218
  - CONCRETE: 28-DAY MINIMUM COMPRESSIVE STRENGTH; FOOTINGS AND ELEVATED FLOOR SLABS - 3500 PSI MINIMUM, ALL OTHER CONCRETE 4000 PSF, 2"-4" SLUMP/INCH. TYPE II. MAXIMUM AGGREGATE SIZE 1". SUBMIT MIX DESIGNS FOR EACH TYPE OF CONCRETE FOR REVIEW.
  - REINFORCING STEEL: R/F BARS - ASTM A615M, GRADE 420
  - WELDS: AS PER ASTM A888
  - REINFORCING SUPPORTS: SUPPORTED WITH SAND PLATES OR CONCRETE SQUARES (4" x 4" MINIMUM) OF CONCRETE STRENGTH AS SPECIFIED FOR THE WORK.
  - CONCRETE SLAB JOINT FILLER: EUCO SOFF-CUT JOINT FILLER #1, OR EUCO TOO, EUCO CHEMICAL COMPANY; MASTER FILL C.J., MASTER BUILDERS, MINIMUM SHORE, HARDNESS 50
  - MASONRY: ETC = 1500 PSI, TEST MASONRY COMPRESSION PER ASTM C710. PROVIDE PRECONSTRUCTION AND DURING CONSTRUCTION TESTS.
  - CONCRETE MASONRY UNITS: ASTM C40, TYPE N, MINIMUM 28 DAY COMPRESSIVE STRENGTH 2000 PSI.
  - MORTAR: ASTM C270 TYPE M OR S.
  - MASONRY GROUT: ASTM C476, 28 DAY STRENGTH 2000 PSI. SUBMIT MIX DESIGN FOR REVIEW.
  - MASONRY JOINT REINFORCING: ASTM A82, GALVANIZED PER ASTM A153.
  - MASONRY TIES: ASTM A36, GALVANIZED PER ASTM A153, CLASS B-2.
  - STRUCTURAL STEEL: SHAPES AND PLATES - ASTM A36
  - TUBE STEEL - ASTM A500, GRADE B
  - STRUCTURAL BOLTS: ASTM A325N
  - ANCHOR BOLTS: FOR STEEL COLUMNS ASTM A307
  - EPOXY ANCHORS: HILTI HVA OR APPROVED EQUAL
  - HEADED STUDS: F<sub>y</sub> = 60 KSI
  - COLD-FORMED METAL FRAMING (STRUCTURAL): ASTM A446 (GALVANIZED), 1/2" UP TYPE AS MANUFACTURED BY UNIMAST, INC. MATERIALS AND ERECTION SHALL BE PER MANUFACTURER'S SPECIFICATIONS.
  - OPEN WEB STEEL JOISTS AND BRIDGING AND JOIST GIRDERS AND BRACING: SHALL CONFORM TO THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE (SJI).
  - STEEL ROOF DECK: SHALL CONFORM TO ASTM 10K (GALVANIZED) AND TO THE SPECIFICATIONS OF THE STEEL DECK INSTITUTE (SDI) FOR THE TYPE, SIZE, AND GAGE AS INDICATED ON PLAN.
  - STEEL FORM DECK: SHALL CONFORM TO ASTM A611, GRADE E (SHOP FRIED) AND TO THE SPECIFICATIONS OF THE SDI, FOR THE TYPE, SIZE, AND GAGE AS INDICATED ON PLAN.
  - WELDING ELECTRODES: E70 LOW HYDROGEN
  - PLYWOOD: APA RATED SHEATHING, 3/2" EXPOSURE 1
  - PLATE-CONNECTED WOOD TRUSSES: FABRICATED, DESIGNED, ERECTED, AND BRACED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS AND RECOMMENDATIONS OF TPI (TRUSS PLATE INSTITUTE).
- ALL CONCRETE WORK SHALL CONFORM TO ALL APPLICABLE SECTIONS OF ACI 318 AND ACI 302, CURRENT EDITIONS.
- REINFORCING STEEL IN SLABS AND FOOTINGS SHALL BE SUPPORTED ON CONCRETE SQUARES - NOT CHU) AND SECURED IN PLACE. PINS DRIVEN INTO THE SUBGRADE AND LEFT IN PLACE TO SECURE REINFORCING STEEL ARE NOT ACCEPTABLE.
- FOR SLAB ON GRADE CONSTRUCTION, SLAB DEPTH SPECIFIED IS A MINIMUM. SUBGRADE ELEVATION TOLERANCE SHALL BE +0" -1/2". GRANULAR SUBBASE SHALL BE COMPACTED WITH A MINIMUM OF TWO PASSES WITH A VIBRATORY ROLLER. REMOVE ALL RUTS FROM SUBGRADE AND RECOMPACT BEFORE PLACING CONCRETE. PROVIDE WIRE MESH IN FLAT SHEETS AND PROPERLY SUPPORT IN PLACE. INCREASES IN SLUMP SHALL REQUIRE ADDITIONAL CONTROL JOINTS.
- SAW JOINTS SHOULD BE CUT AS SOON AS SLAB HAS HARDENED SUFFICIENTLY TO PREVENT AGGREGATE DISPLACEMENT AND RAVELING. SEE ACI 302.1.
- REINFORCE ALL RE-ENTRANT CORNERS OF FLOOR SLABS WITH (2) - #5 x 3'-0", PLACED 3/4" CLEAR OF CORNER.
- MASONRY CONSTRUCTION SHALL CONFORM TO THE ACI 530.1, CURRENT EDITION. PROVIDE MASONRY INSPECTION PER ACI 530. CAVITIES SHALL BE KEPT FREE OF MORTAR. COLLAR JOINTS LESS THAN 3/4" SHALL BE FILLED AS THE WALL PROGRESSES. COLLAR JOINTS 3/4" AND GREATER CAN BE FILLED WITH FINE GROUT.
- ALLOW A MINIMUM OF 24 HOURS FOR MASONRY TO SET PRIOR TO PLACING GROUT. CAST GROUT IN 5'-0" LIFTS MAXIMUM. RODDING OR VIBRATING DURING PLACEMENT. ALLOW 15 MINUTES BETWEEN SUCCESSIVE LIFTS.
- WHERE STEEL BEAMS BEAR ON MASONRY WALLS IN ROCKETS, PROVIDE (2) - 1/2" DIAMETER x 1'-4" MINIMUM ASOT ANCHORS ON ALL BEARING PLATES UNLESS OTHERWISE NOTED AFTER ERECTING THE BEAMS, FILL POCKETS SOLID WITH MASONRY.
- PAINT ALL STRUCTURAL STEEL BELOW FINISH FLOOR WITH ASPHALTIC PAINT AND PROTECT WITH 3" OF CONCRETE.
- ALL STEEL WORK SHALL CONFORM TO ALL APPLICABLE SECTIONS OF AISC MANUAL OF STEEL CONSTRUCTION, 9th EDITION, MODIFYING SECTION 4.21 OF THE CODE OF STANDARD PRACTICE BY DELETION OF THE FOLLOWING SENTENCE: "THIS APPROVAL CONSTITUTES THE OWNER'S ACCEPTANCE OF ALL RESPONSIBILITY FOR THE DESIGN ADEQUACY OF ANY DETAIL CONFIGURATION OF CONNECTIONS DEVELOPED BY THE FABRICATOR AS A PART OF HIS PREPARATION OF THESE SHOP DRAWINGS."
- STEEL FRAMED BEAM CONNECTIONS SHALL BE CAPABLE OF CARRYING THE REACTION OF THE GIVEN BEAM UNIFORMLY LOADED TO ITS MAXIMUM CAPACITY FOR THE ENTIRE BEAM SPAN FOR NON-COMPOSITE BEAMS, AND 15 TIMES THE BEAM REACTION FOR COMPOSITE BEAMS, UNLESS CONCENTRATED LOADS ARE SHOWN ON THE PLAN, AS GIVEN IN THE AISC MANUAL OF STEEL CONSTRUCTION, 9th EDITION, UNLESS SHOWN OTHERWISE.
- ROOF DECK SHALL BE 1 1/2" 22 GA. HIDE RIB DECK. CONNECT DECK TO SUPPORTS WITH 5/8" DIAMETER RIBBLE WELDS, AND ATTACH SIDELAPS WITH NUMBER 10 TICS PER ATTACHMENT PATTERN SHOWN ON PLAN. IF SPLIT PANELS ARE USED AT DIAPHRAGM EDGE, ATTACH SIDELAPS AT 12" o.c. AND WELD EACH VALLEY AT SUPPORTS. CARE SHALL BE TAKEN IN WELDING METAL DECK TO SUPPORTING JOISTS AND BEAMS NOT TO BURN HOLES IN THE DECK.
- FLOOR DECK SHALL BE 9/16, 28 GAGE, NON-COMPOSITE PAINTED DECK UNO. USE WELDING WASHERS WHERE RECOMMENDED BY SDI AND CONTROL HEAT ON WELDING MACHINE AS NECESSARY. JOISTS SHALL BE "K" SERIES PER SJI SPECIFICATIONS UNO. USE MINIMUM DECK WELD PATTERN PER SDI UNLESS NOTED OTHERWISE ON PLANS.
- VERIFY NUMBER, SIZE AND LOCATION OF ALL OPENINGS IN ROOF DECK FROM ARCHITECTURAL DRAWINGS AND APPROVED MECHANICAL, PLUMBING AND ELECTRICAL SHOP DRAWINGS. PROVIDE ANGLE FRAMES FOR ALL OPENINGS 1'-0" AND GREATER.
- WHERE CONCENTRATED LOADS ARE APPLIED TO TOP OR BOTTOM CHORDS OF STEEL JOISTS BETWEEN PANEL POINTS, INSTALL L1 1/2x1 1/2x1/8, WELDING TO CHORD AT POINT OF APPLIED LOAD AND TO OPPOSITE CHORD AT NEAREST PANEL POINT.
- MECHANICAL EQUIPMENT INFORMATION SHOWN ON THE PLANS IS BASED UPON PRELIMINARY EQUIPMENT LOADS AND LOCATIONS. THE CONTRACTOR SHALL VERIFY EQUIPMENT LOADS AND LOCATIONS. THE CONTRACTOR SHALL VERIFY EQUIPMENT LOADS AND LOCATIONS BASED UPON APPROVED MECHANICAL EQUIPMENT SHOP DRAWINGS PRIOR TO FABRICATION OF SUPPORTING FRAMING. EQUIPMENT LOADS GREATER THAN THOSE SHOWN OR IN LOCATIONS NOT SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PROMPTLY.



**DETAIL A S2.3**  
3/4" = 1'-0"



**DETAIL B S2.3**  
3/4" = 1'-0"

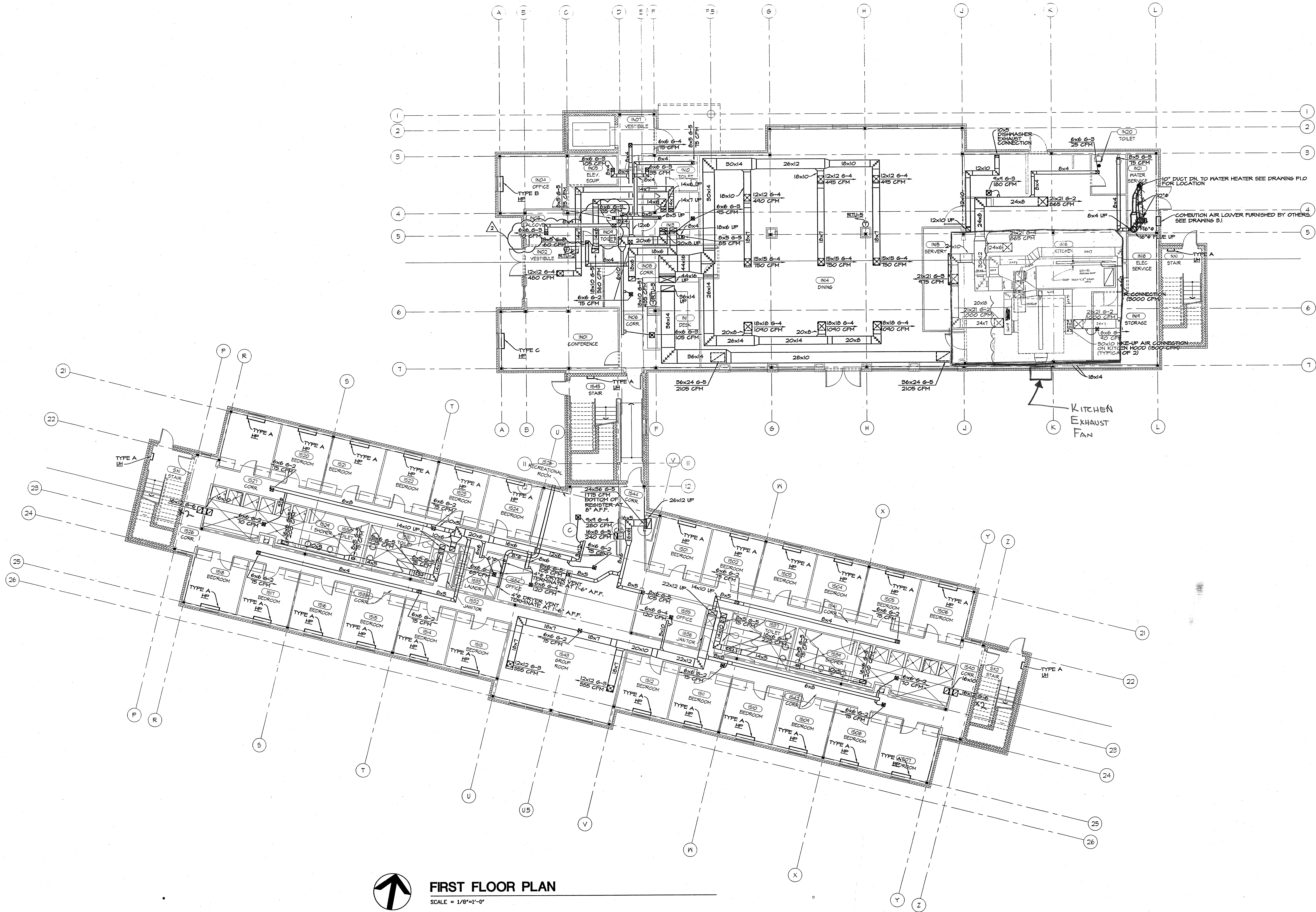
**DETAIL C S2.3**  
3/4" = 1'-0"

**BRACE DETAILS AND GENERAL NOTES**

DATE  
**03/18/98**

REVISIONS

DRAWING NUMBER  
**97187**



**FIRST FLOOR PLAN**  
 SCALE = 1/8"=1'-0"

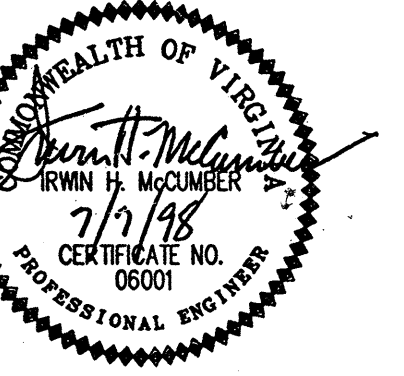
DRAWING TITLE  
**FIRST FLOOR PLAN-MECHANICAL**

DATE  
**03/18/98**

REVISIONS  
 7/7/98

DRAWING NUMBER  
**97187**

**AS BUILT HVAC1**



**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

**B A S K E R V I L L E S S O N**

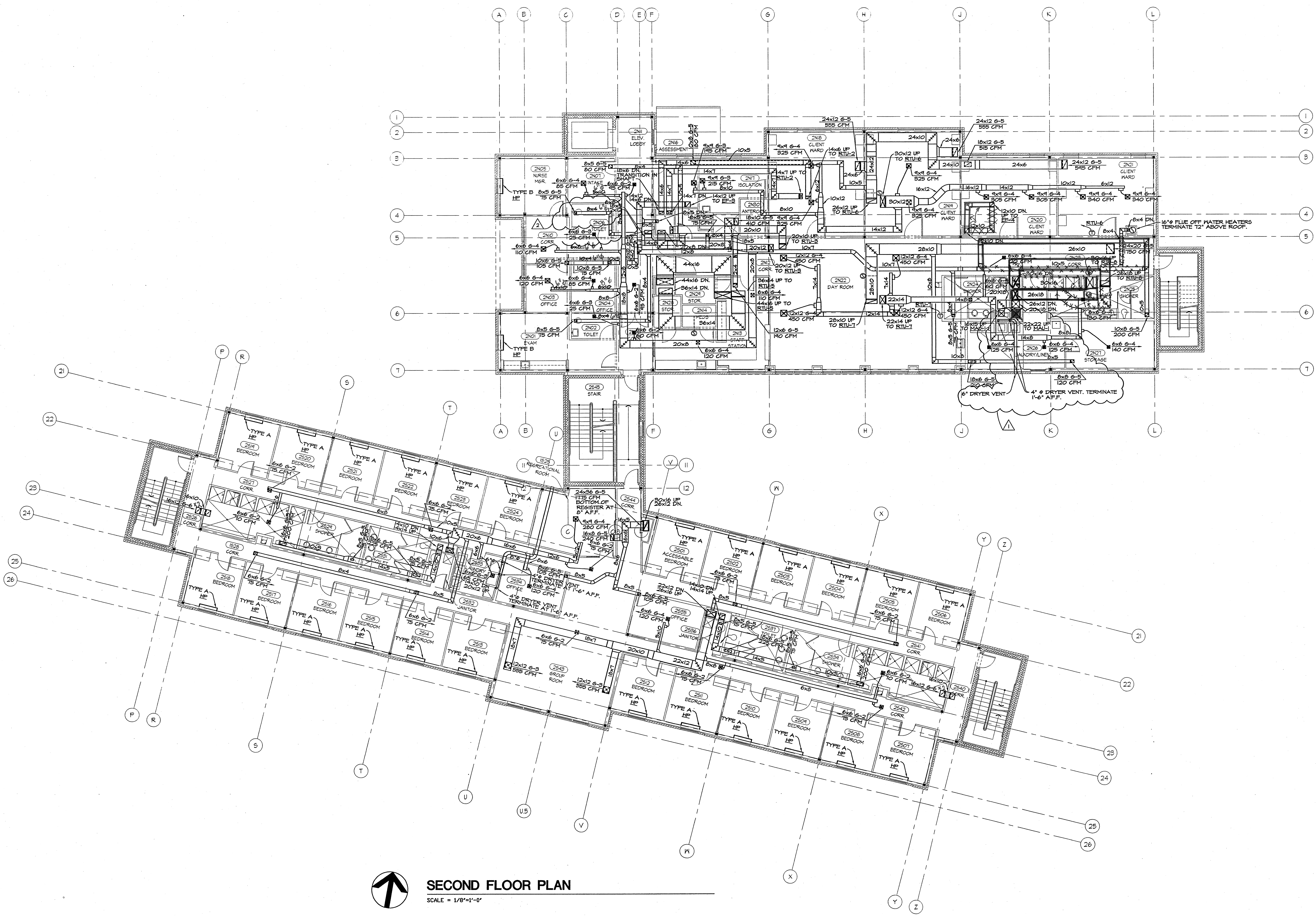
DRAWING TITLE  
**SECOND FLOOR PLAN-MECHANICAL**

DATE  
**03/18/98**

REVISIONS  
3/30/98  
7/7/98

DRAWING NUMBER  
**97187**

**AS BUILT HVAC2**



**SECOND FLOOR PLAN**  
SCALE = 1/8"=1'-0"

J:\rubicon\_inc\97187\CAD\HVAC\21872.dwg 10:54:22 07/07/98 aml

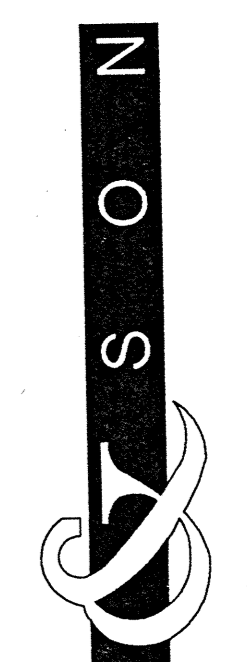
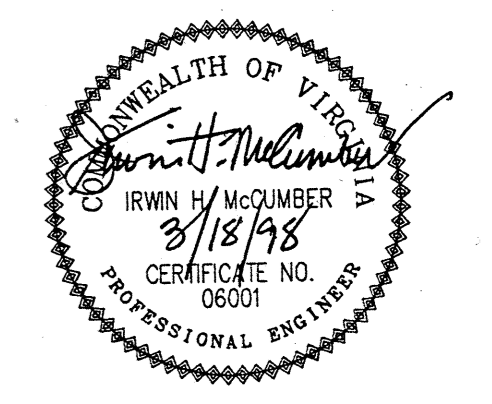
OWNER \_\_\_\_\_

RUBICON, INC.

COMMISSION \_\_\_\_\_

**MEN'S  
RESIDENTIAL  
TREATMENT  
FACILITY**

RADY STREET  
RICHMOND, VA



**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

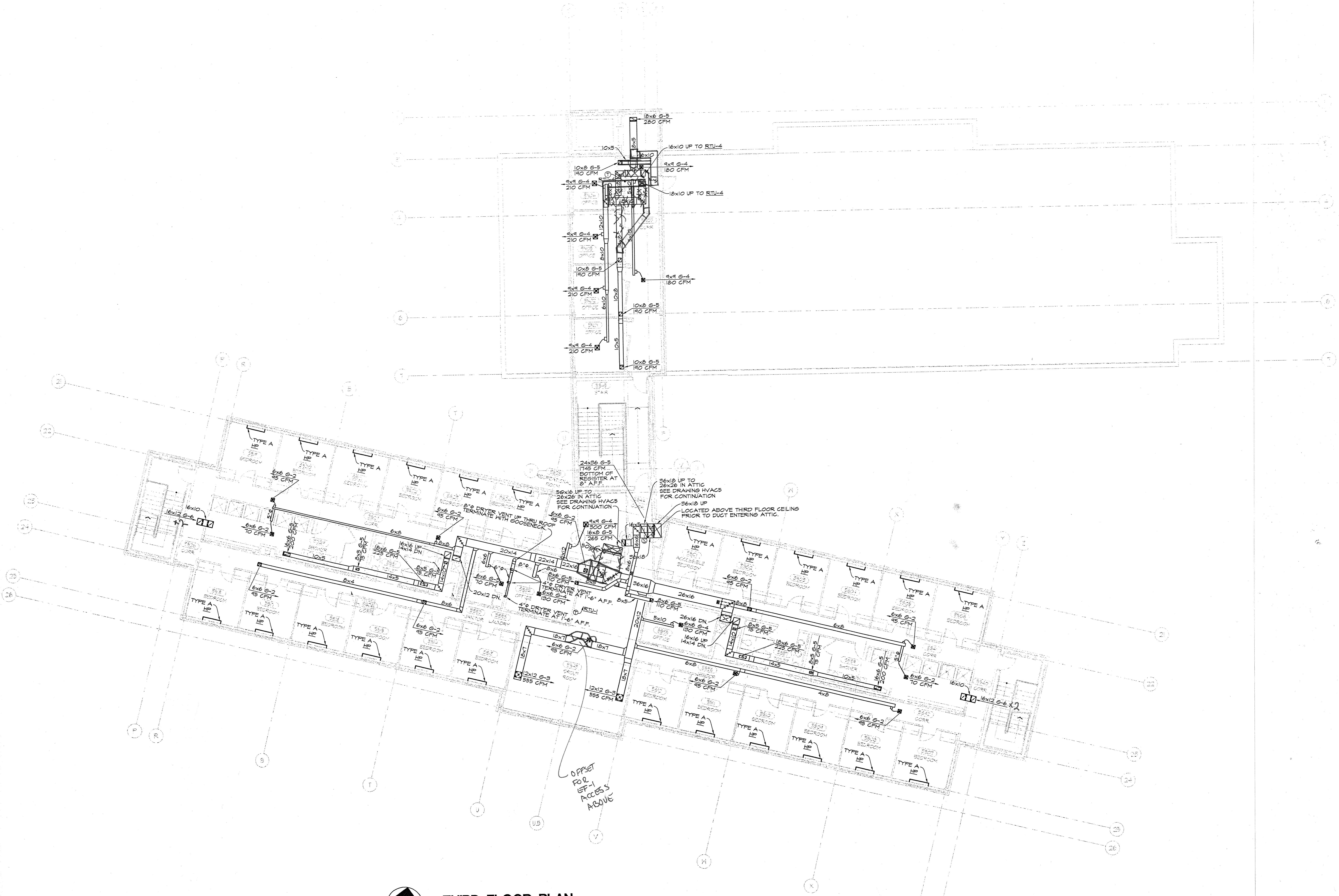
DRAWING TITLE  
**THIRD FLOOR  
PLAN-  
MECHANICAL**

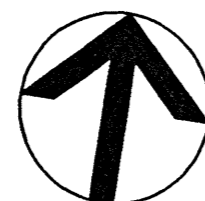
DATE  
**03/18/98**

REVISIONS \_\_\_\_\_

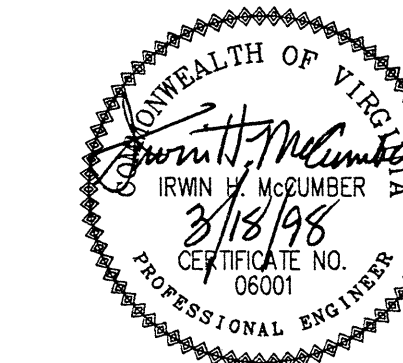
DRAWING NUMBER  
**97187**

**AS  
BUILTS HVAC3**



 **THIRD FLOOR PLAN**  
SCALE = 1/8"=1'-0"

© 1997 Baskerville & Son. All rights reserved. No part of this drawing may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Baskerville & Son.



**DRAWING LEGEND**

SYMBOL	ABBREVIATION	DESCRIPTION
		DUCTWORK
		FLEXIBLE DUCTWORK
		SUPPLY DIFFUSER
		RETURN OR EXHAUST REGISTER
	A.F.F.	ABOVE FINISHED FLOOR
	EF	EXHAUST FAN
	RTU	ROOFTOP UNIT
	HP	HEAT PUMP
		SMOKE DETECTOR
		THERMOSTAT (MOUNT AT 48" A.F.F.)

DESIGNATION	O.A. CFM	SUPPLY FAN				COOLING COIL				UNIT POWER FAN COOLING VOLTS/PHASE	FILTER	NATURAL GAS HEAT		MANUFACTURER	MODEL NUMBER		
		CFM	HP	EXTERNAL S.P. IN. H <sub>2</sub> O	NUMBER OF ROWS	NUMBER OF FINS	TOTAL COIL FACE AREA SQ. FT.	ENTERING AIR CONDITIONS				LEAVING AIR CONDITIONS				INPUT MEH	OUTPUT MEH
								T. DB.	T. WB.			T. DB.	T. WB.				
RTU-1	1500	8000	5.0	.75	2	19.0	26.00	82.4	87.2	82.0	59.3	208/3	1" FLEATED	250.0	229.0	TRANE	YGH240B
RTU-2	120	480	1/4	.5	2	19.0	3.25	89.2	73.8	65.4	61.4	208/1	1" FLEATED	50.0	40.0	TRANE	YCC218P
RTU-3	240	960	3/4	.75	2	19.0	6.39	82.4	66.8	59.0	55.3	208/3	1" FLEATED	10.0	73.0	TRANE	YCC236C
RTU-4	180	1200	1/2	.5	2	19.0	3.61	80.7	65.8	54.8	54.4	208/3	1" FLEATED	80.0	65.0	TRANE	YCC236C
RTU-5	2760	1000	1 1/2	.75	3	19.0	26.00	81.2	73.8	65.8	61.2	208/3	1" FLEATED	250.0	229.0	TRANE	YCC240B
RTU-6	600	3000	1.0	.5	3	19.0	7.88	88.1	69.0	54.2	50.9	208/3	1" FLEATED	120.0	97.0	TRANE	YCC236C
RTU-7	420	2500	1.0	.5	2	19.0	7.00	81.5	66.8	61.4	58.0	208/3	1" FLEATED	120.0	97.0	TRANE	YCC236C
RTU-8	420	3000	3.0	.5	2	19.0	17.5	82.7	66.8	54.1	56.2	208/3	1" FLEATED	250.0	229.0	TRANE	YCC240B

ALL UNITS SHALL BE FURNISHED WITH TRANE FACTORY BUILT ROOF CURBS  
ALL UNITS SHALL BE FURNISHED WITH MANUAL OUTSIDE AIR DAMPER  
RTU-1, 3, 6, 7, 8 SHALL BE FURNISHED WITH ECONOMIZER WITH DRY BULB CONTROL.

DESIGNATION	MANUFACTURER	LOCATION	TYPE	MODEL	CFM	TOTAL SP.	MOTOR			ACCESSORIES
							HP	VOLTS/PHASE	RPM	
EF-1	GREENECK	ATTIC OF SOUTH KING	INLINE	22-TOP	3450	.75	1	208/3	(1) (2) (3)	
EF-2	NOT USED								NOT USED	
EF-3	GREENECK	ROOF OF NORTH KING	CENTRIFUGAL	68-100	650	.75	1/4	120/1	(1) (2) (3)	
EF-4	GREENECK	ROOF OF NORTH KING	UPBLAST	QBE-75	600	.75	1/4	120/1	(1) (2) (3)	

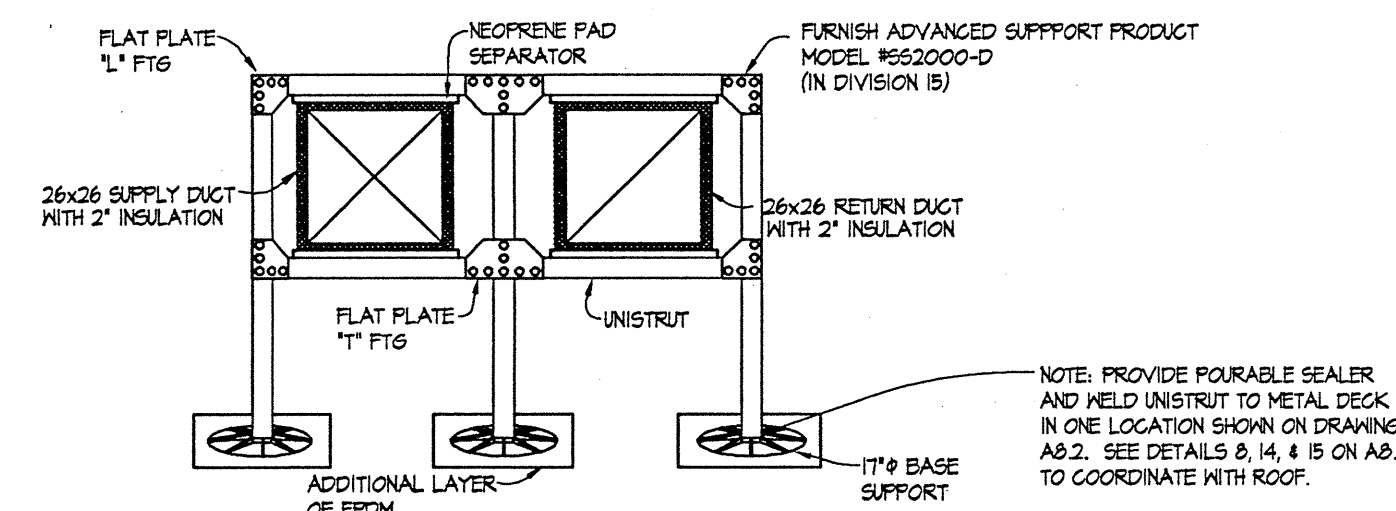
ACCESSORIES:  
 (1) 12" HIGH NO-CANT ROOF CURB  
 (2) DISCONNECT SWITCH  
 (3) GRAVITY BACKDRAFT DAMPER  
 (4) MOTORIZED BACKDRAFT DAMPER

DESIGNATION	TYPE	STYLE	FINISH	DAMPER	FACE DIMENSION	MODEL	REMARKS
G-2	SUPPLY	-	OFF-WHITE	-	-	DM-2	ANEMOSTAT
G-3	SUPPLY	-	OFF-WHITE	-	-	DM-3	ANEMOSTAT
G-4	SUPPLY	-	OFF-WHITE	-	-	DM-4	ANEMOSTAT
G-5	RETURN	-	OFF-WHITE	OPPOSED BLADE	-	XHCD	ANEMOSTAT
G-6	TRANSFER	-	OFF-WHITE	-	-	XSD	ANEMOSTAT

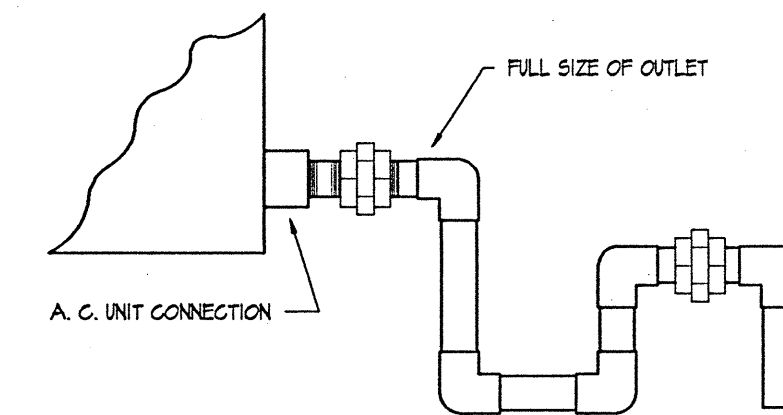
DESIGNATION	LOCATION	CAPACITY BTUHR	KVA	VOLTS/PHASE	EAT. T.	MOTOR		MODEL & UNIT SIZE	REMARKS
						RPM	VOLTS/PHASE		
TYPE A	STAIRWELL	1950	4	208/1	65	1200	208/1	MARKET / F3424T	

DESIGNATION	LOCATION	CAPACITY BTUHR	OUTSIDE AIR CFM	VOLTS/PHASE	MODEL & UNIT SIZE	REMARKS
TYPE A	PATIENT ROOMS	1200	50	208/1	TRANE / PTHC - 010 - 1 - E - A	
TYPE B	OFFICES	8500	50	208/1	TRANE / PTHC - 040 - 1 - G - A	
TYPE C	CONFERENCE ROOM	12000	70	208/1	TRANE / PTHC - 120 - 1 - J - B	

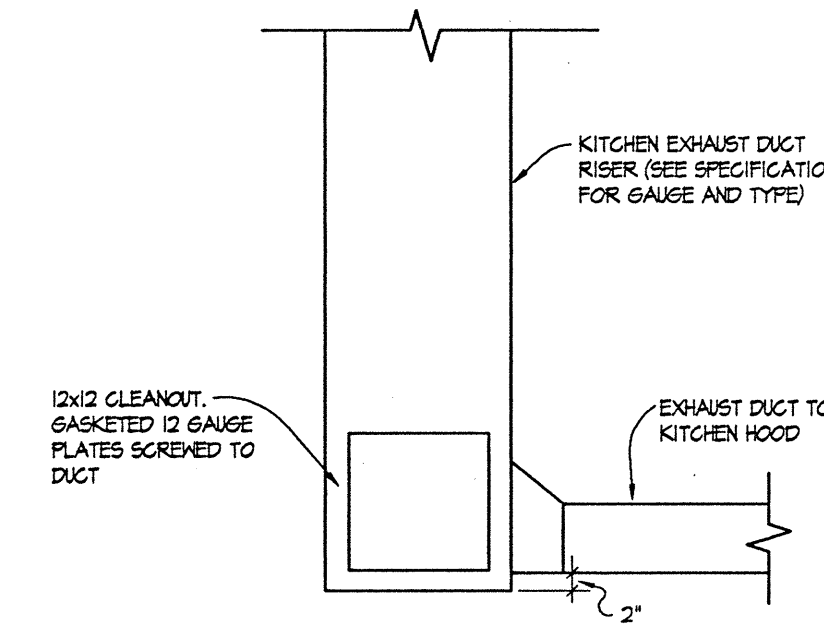
ALL HEAT PUMPS SHALL BE FURNISHED WITH OPTIONAL ARCHITECTURAL EXTENDED ANODIZED ALUMINUM OUTDOOR GRILLE  
ALL HEAT PUMPS SHALL BE FURNISHED WITH OPTIONAL HARD WIRE KIT  
ALL HEAT PUMPS SHALL BE FURNISHED WITH SECURITY KEY LOCKS.



**DUCT SUPPORT DETAILS**  
NO SCALE



**TYPICAL A.C. UNIT CONDENSATE DRAIN**  
NO SCALE



**KITCHEN EXHAUST GREASE TRAP DETAIL**  
NO SCALE

DRAWING TITLE  
**SCHEDULES,  
LEGEND,  
DETAILS**

DATE  
**03/18/98**

REVISIONS \_\_\_\_\_

© 1997 Baswell & Son. All rights reserved. No part of this drawing may be reproduced without the written consent of Baswell & Son.

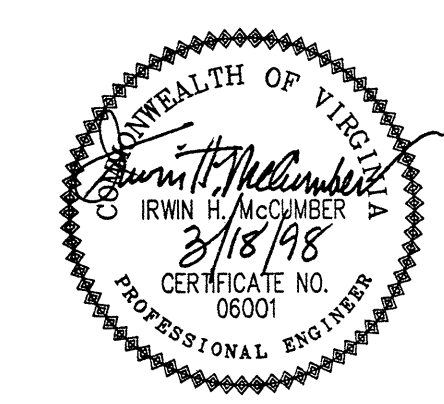
DRAWING NUMBER  
**97187**

**AS  
BUILT HVAC4**

OWNER  
**RUBICON, INC.**

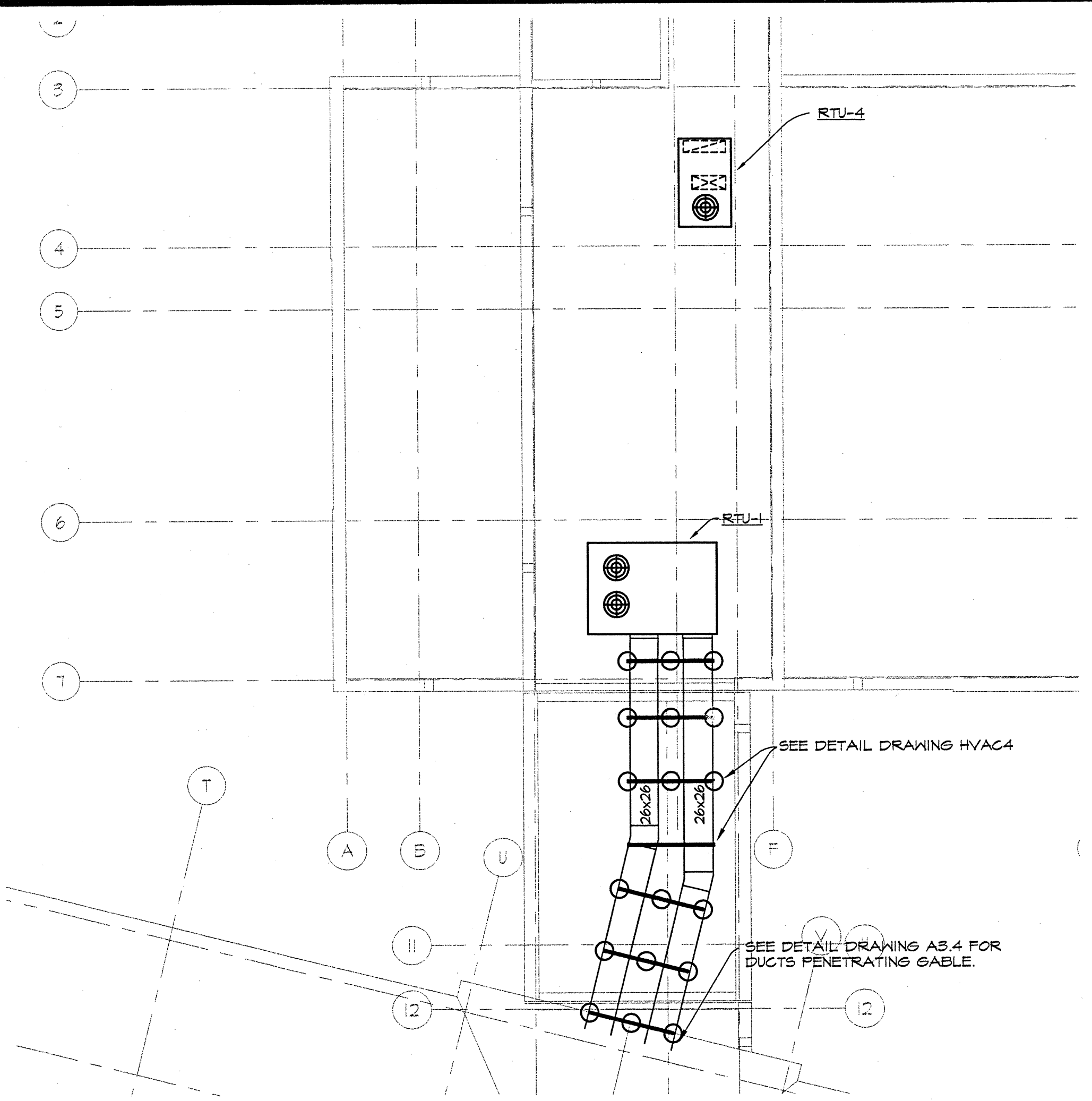
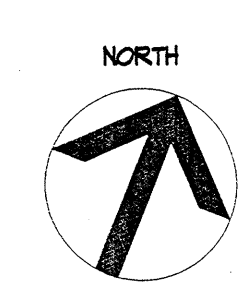
COMMISSION  
**MEN'S  
RESIDENTIAL  
TREATMENT  
FACILITY**

**RADY STREET  
RICHMOND, VA**

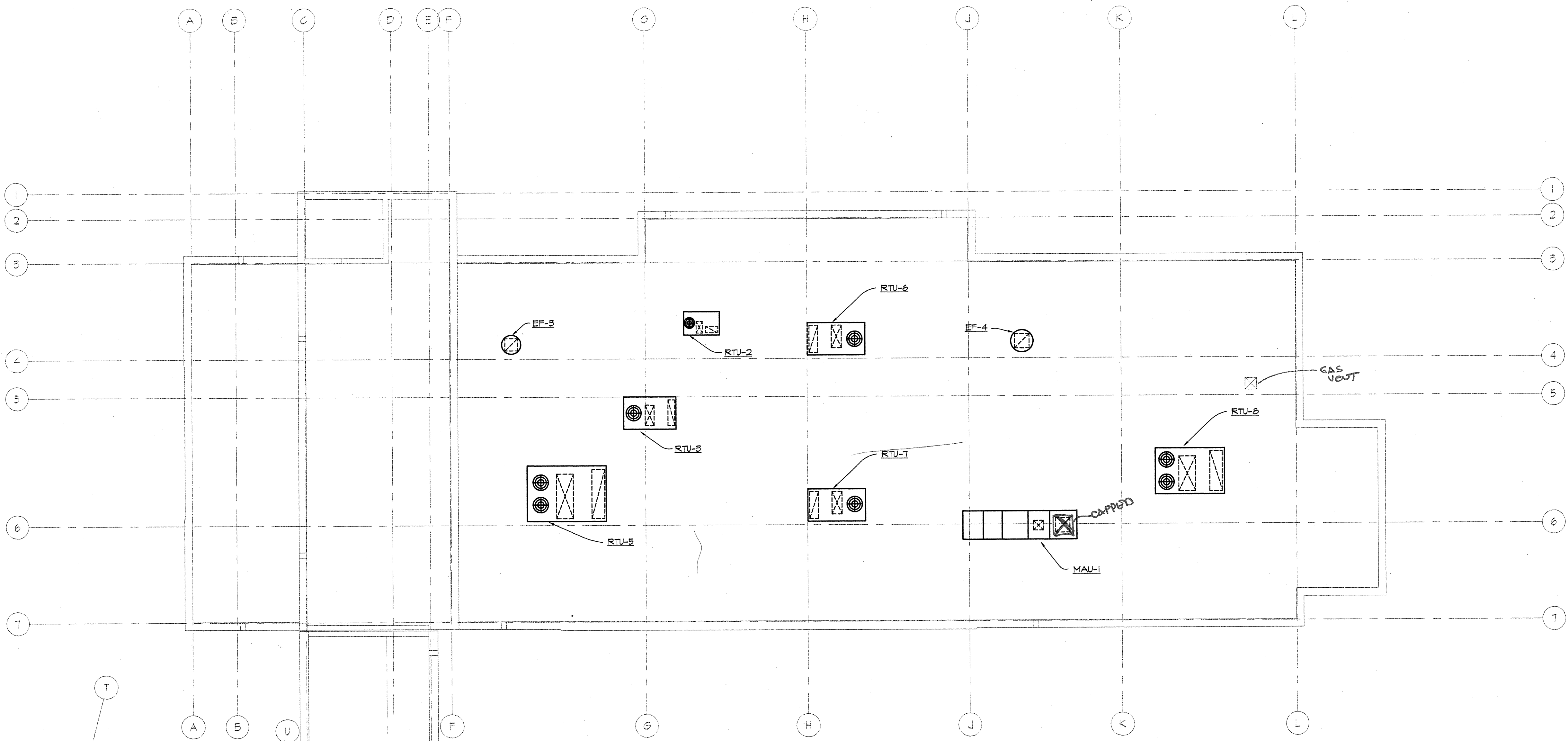


**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

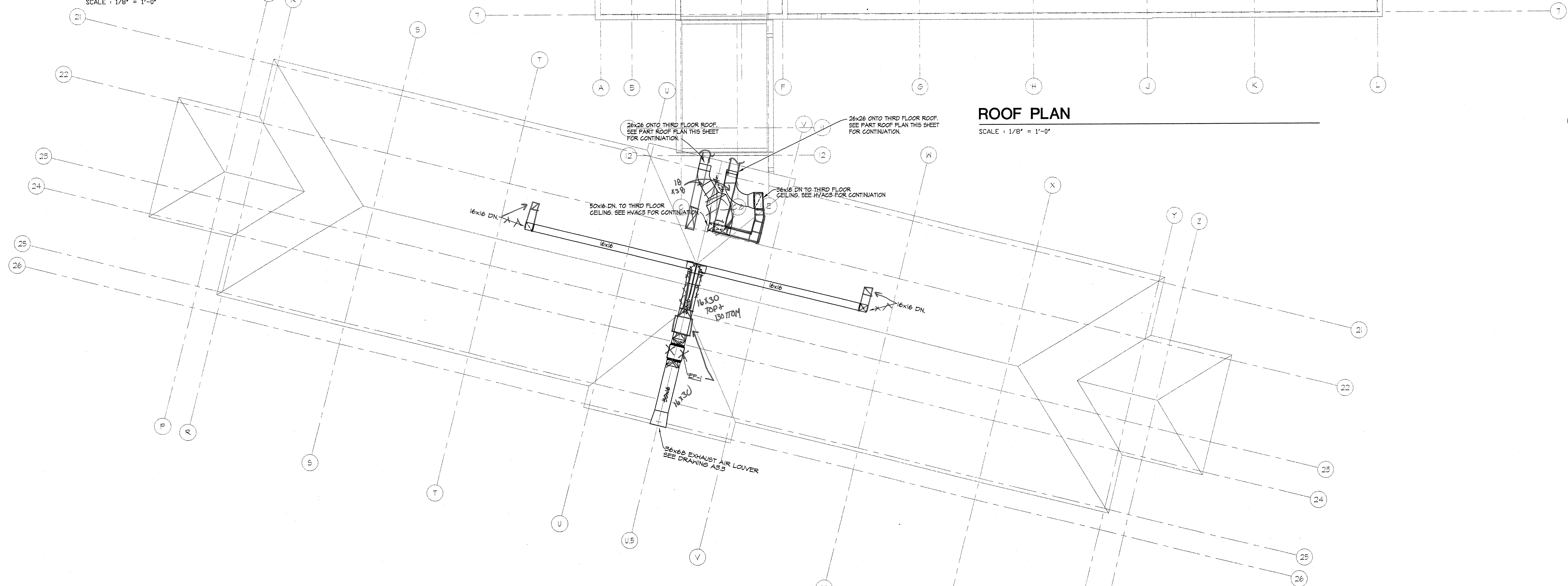
**B A S K E R V I L L S O N**



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



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



**ATTIC PLAN**  
SCALE: 1/8" = 1'-0"

DRAWING TITLE  
**ROOF PLAN &  
ATTIC PLAN**

DATE  
**03/18/98**

REVISIONS

DRAWING NUMBER  
**97187**

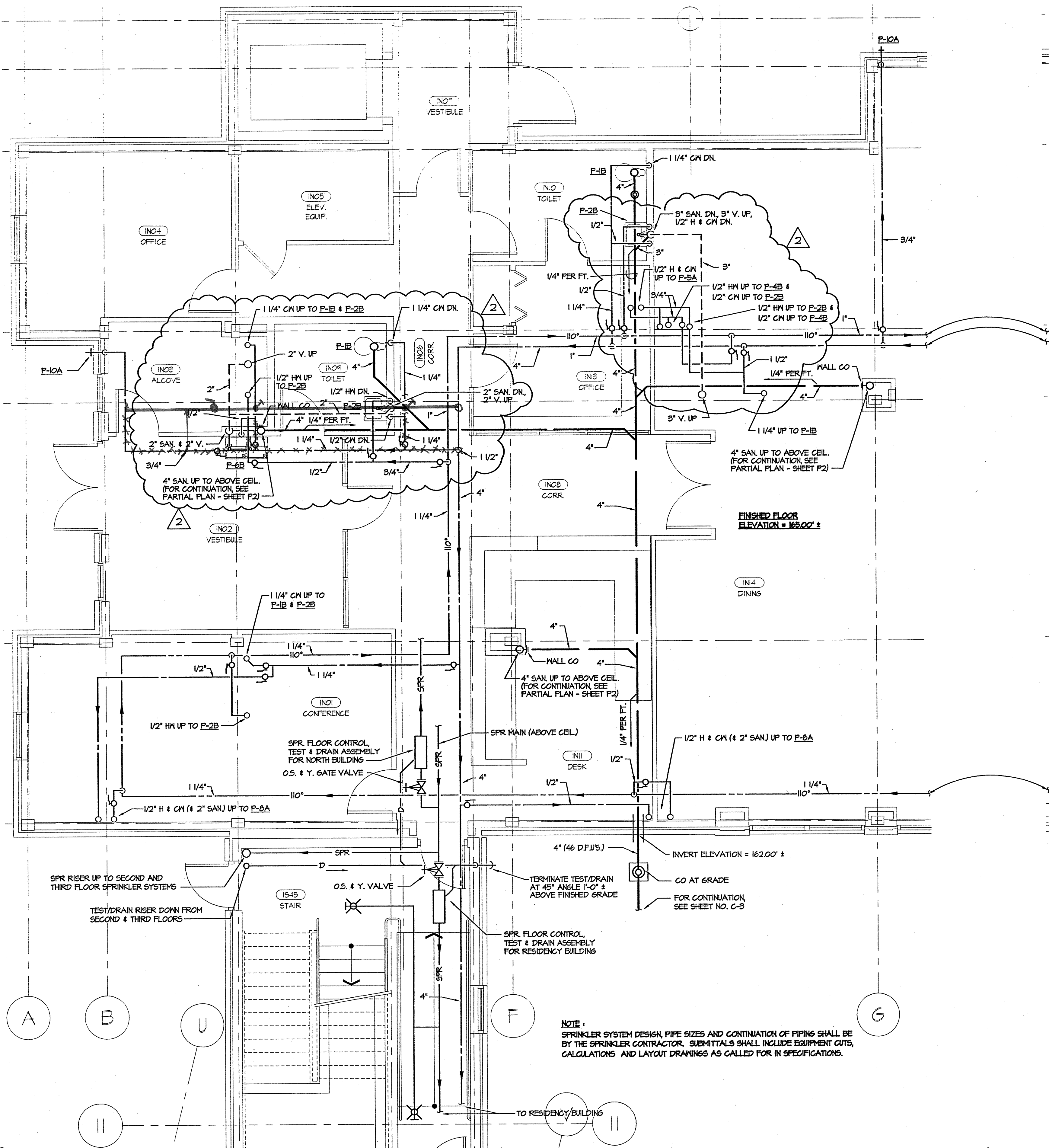
**AS  
BUILT HVAC5**



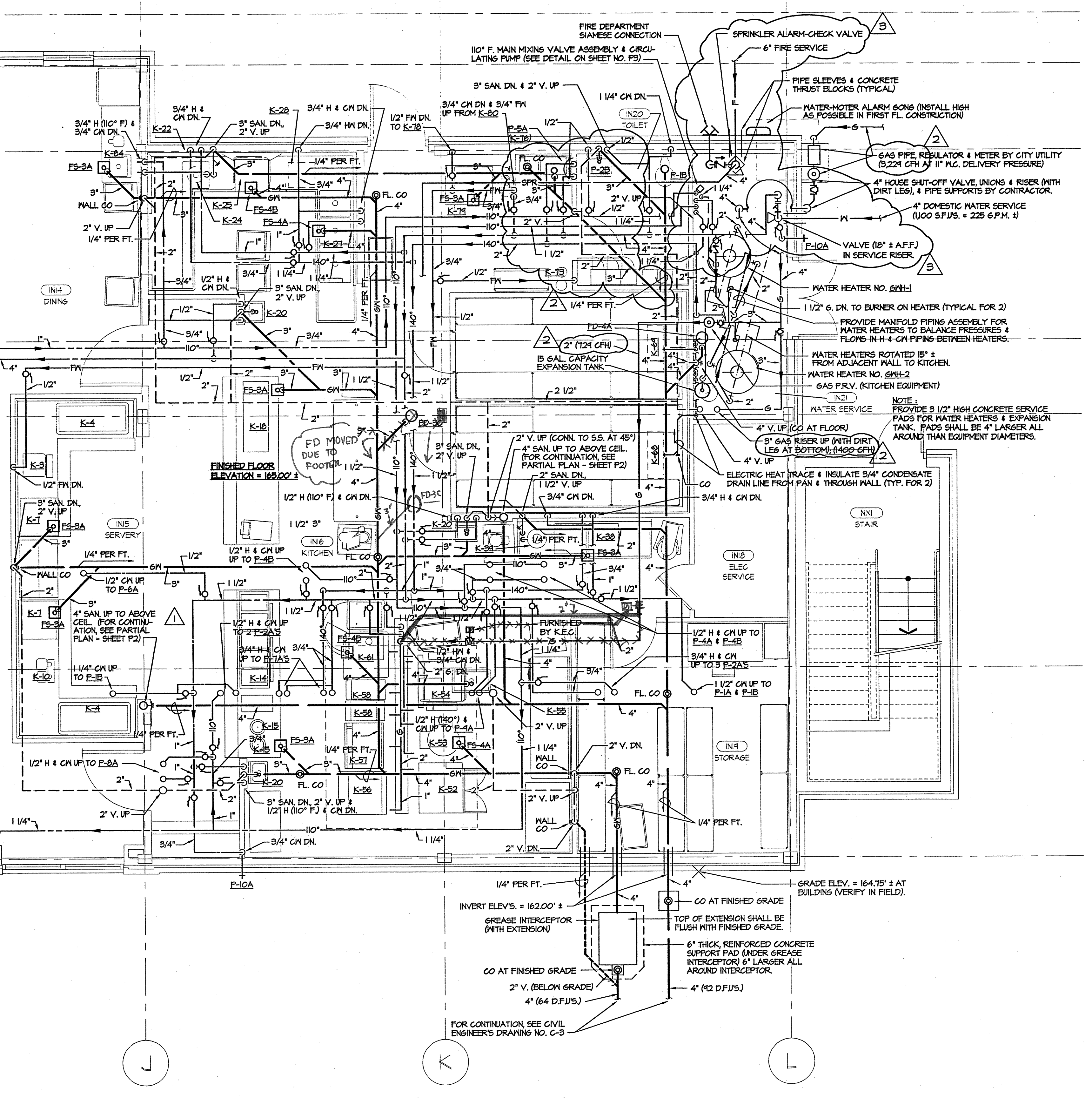


**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

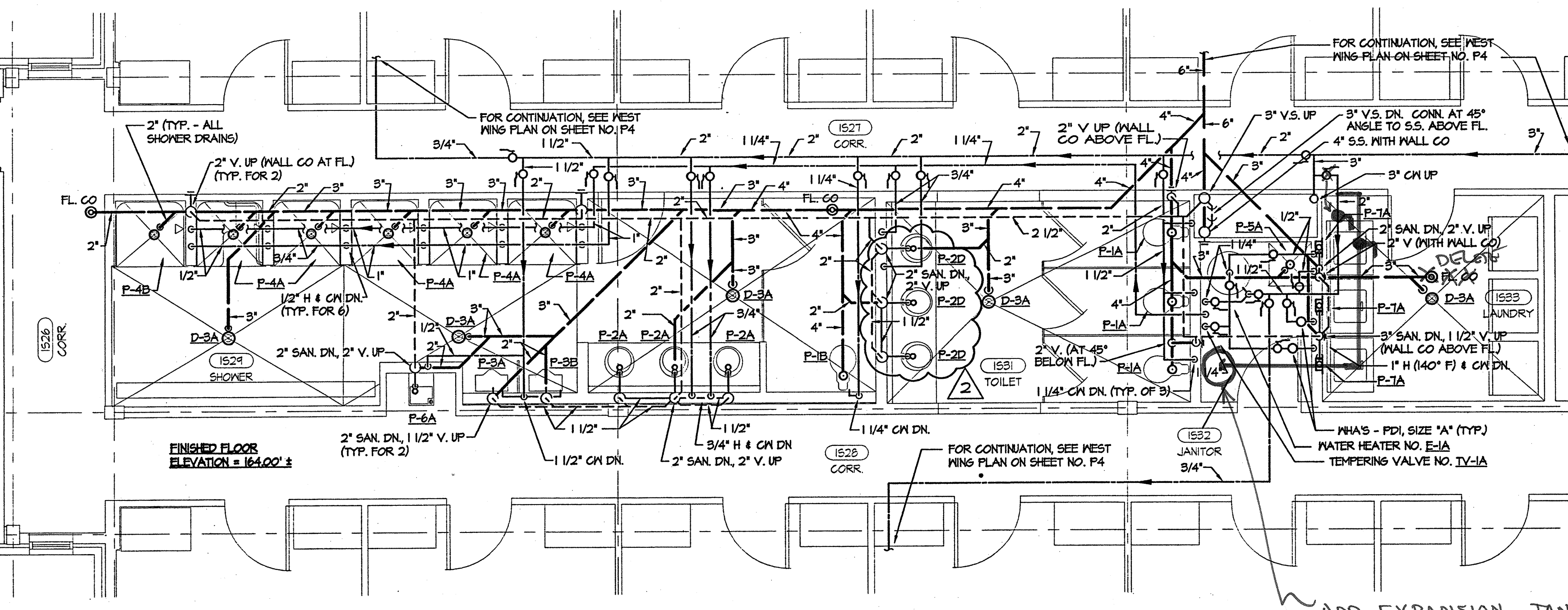
B A S K E R V I L L E S O N



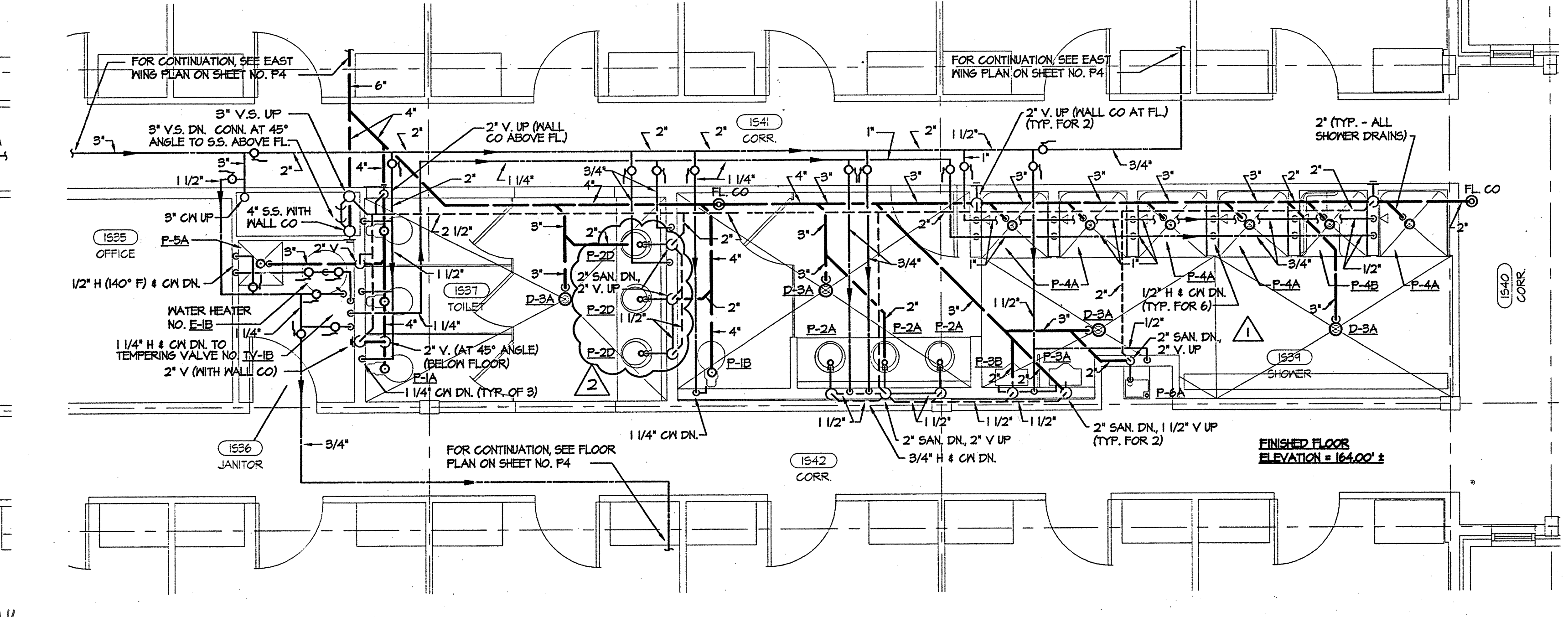
**PARTIAL FIRST FLOOR PLAN - OFFICE AREA**  
SCALE: 1/4" = 1'-0"



**PARTIAL FIRST FLOOR PLAN - KITCHEN AREA**  
SCALE: 1/4" = 1'-0"



**PARTIAL FIRST FLOOR PLAN - WEST WING RESIDENCY**  
SCALE: 1/4" = 1'-0"



**PARTIAL FIRST FLOOR PLAN - EAST WING RESIDENCY**  
SCALE: 1/4" = 1'-0"

DRAWING TITLE  
**PART PLANS - FIRST FLOOR**

DATE  
**03/18/98**

REVISIONS

1	4/22/98, APP. 2
2	6/25/98, REV
3	6/25/98, CODE

DRAWING NUMBER  
**97187**

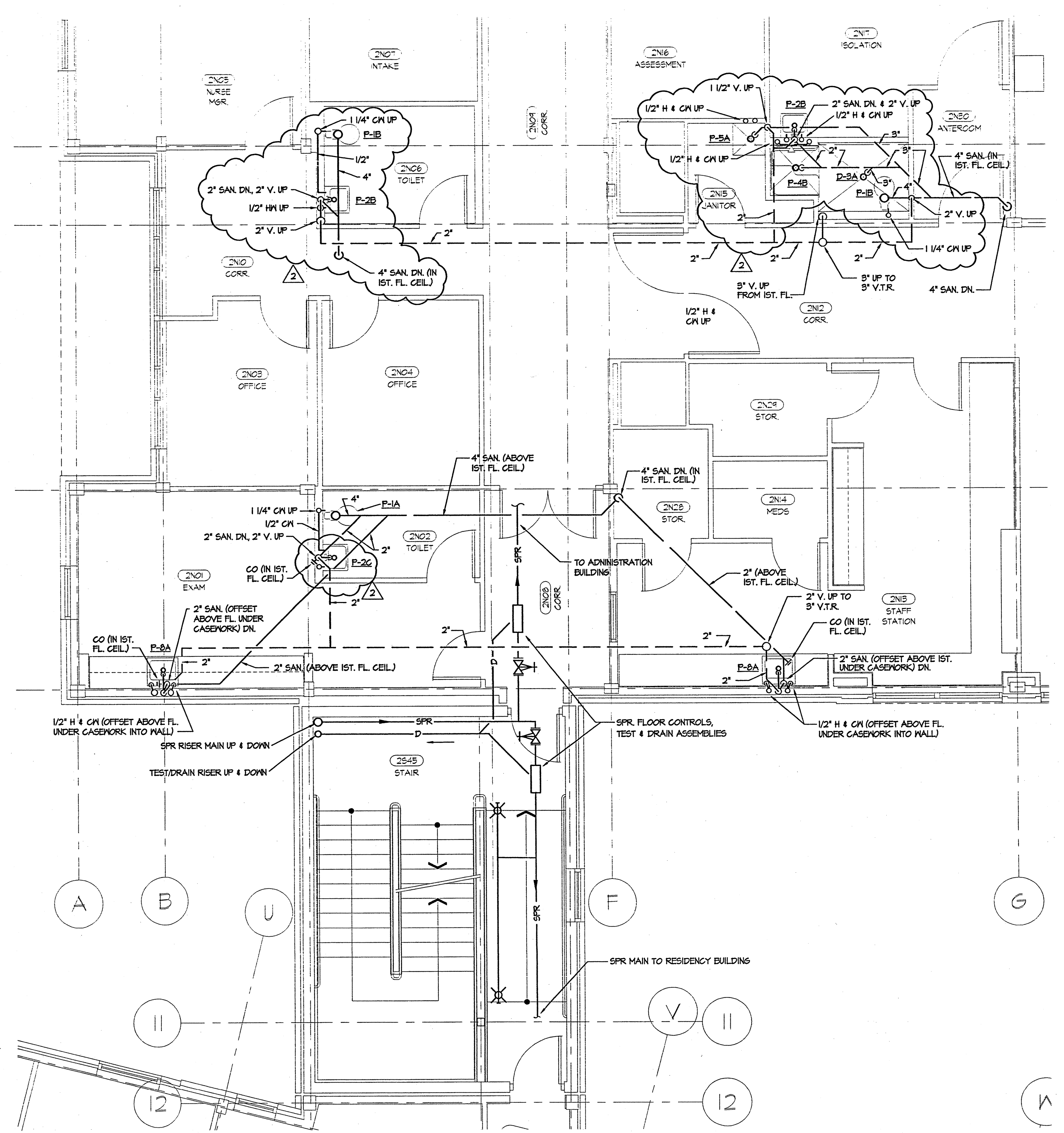
AS BUILT **P1**

P. Rubicon, Inc. 197/197/CADD/P. LHM/MS/197/197/10.0mg 13:34:01 06/25/98 .mif

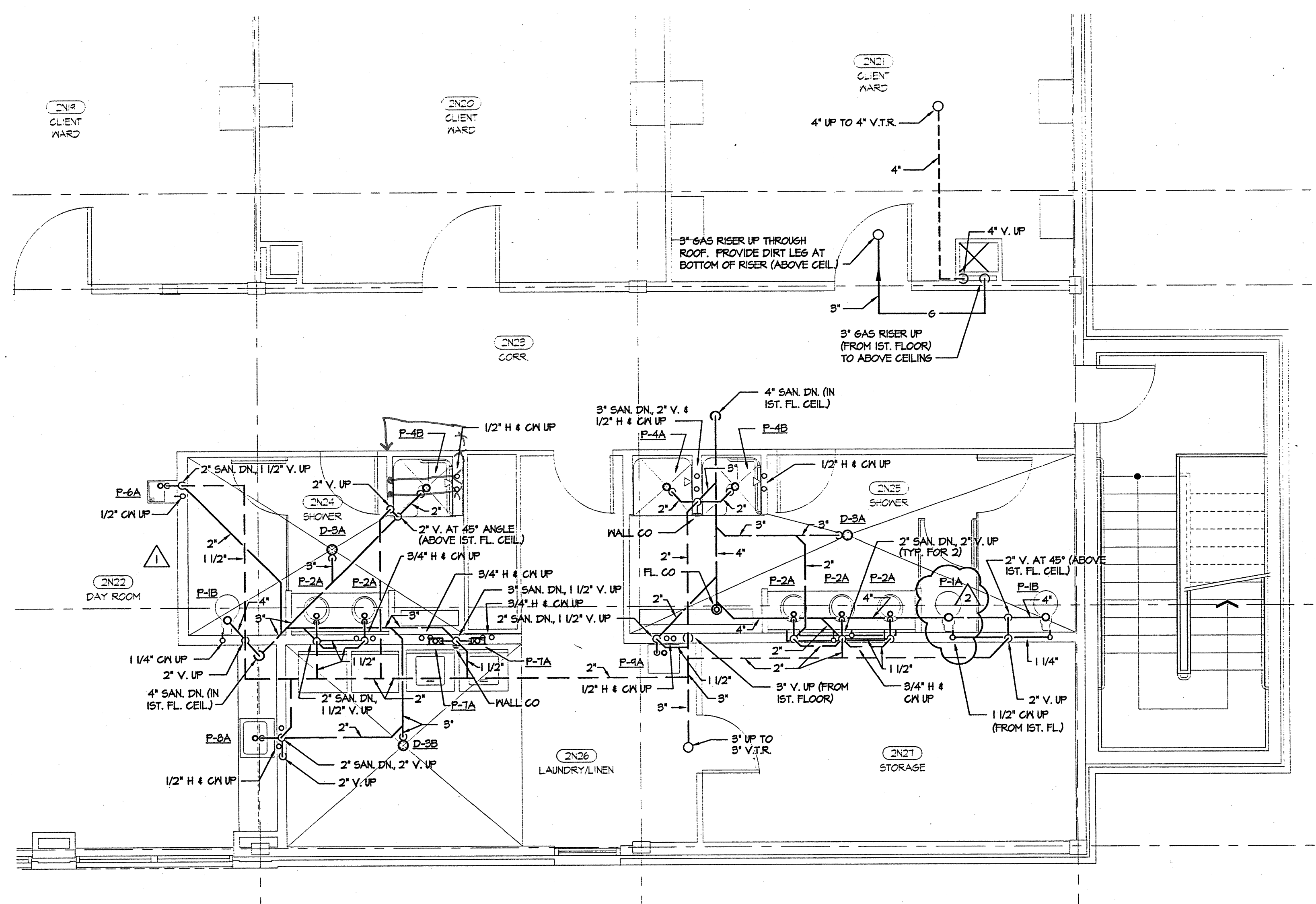


**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

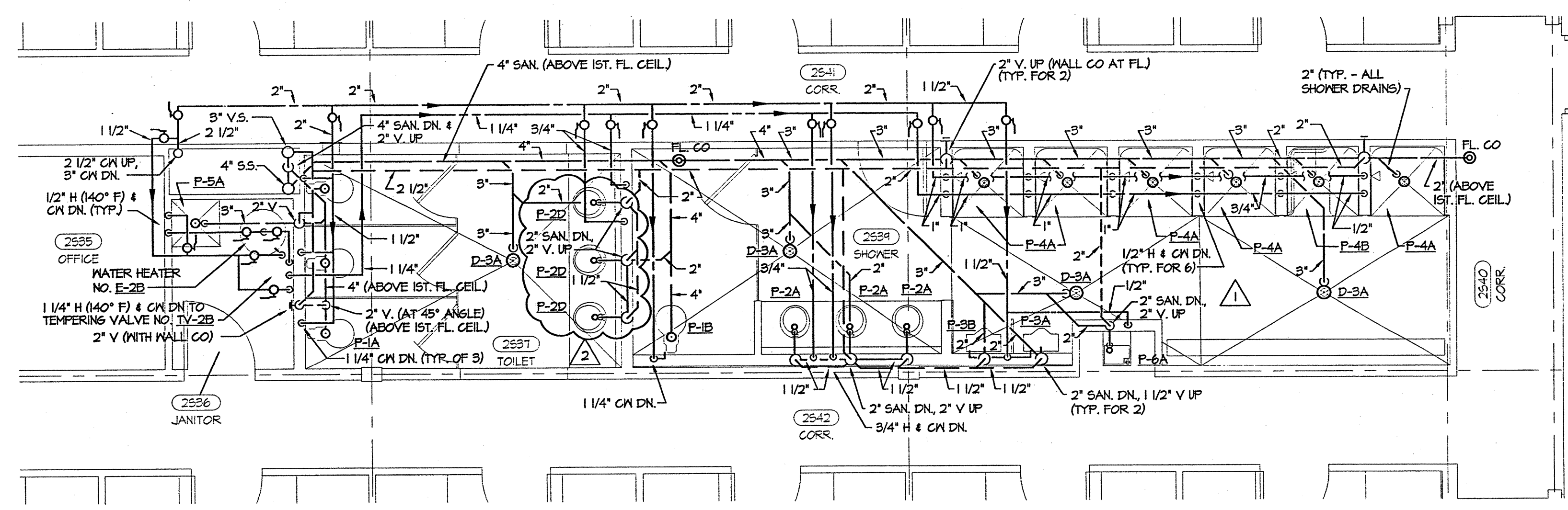
**B A S K E R V I L L E S O N**



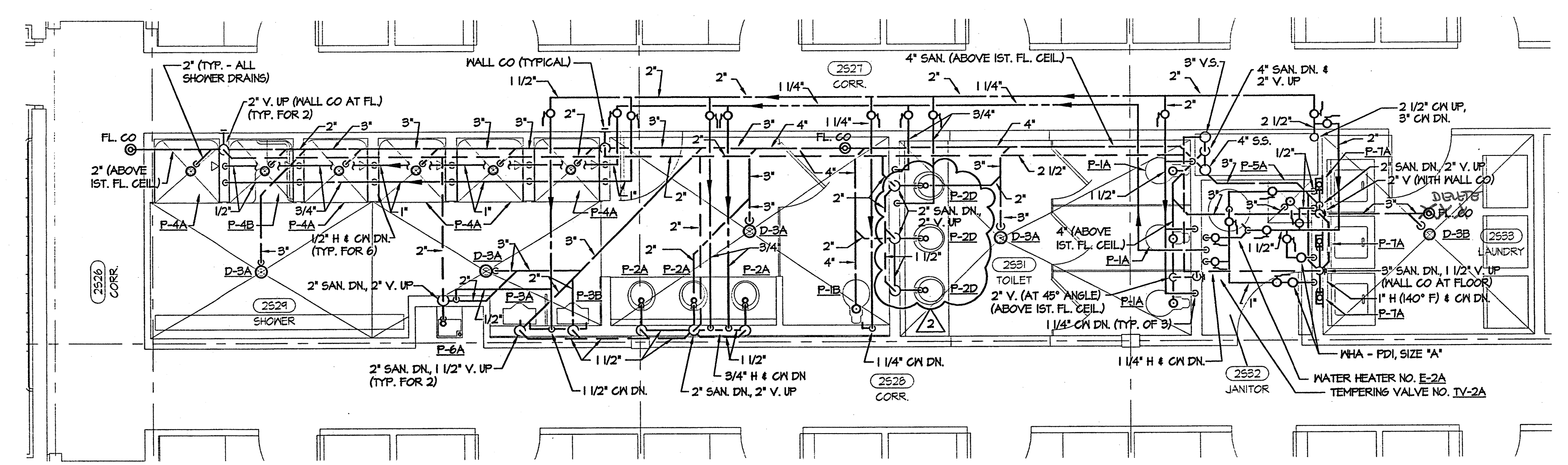
**PARTIAL SECOND FLOOR PLAN - OFFICES**  
SCALE: 1/4" = 1'-0"



**PARTIAL SECOND FLOOR PLAN - STAFF TOILETS/SHOWERS**  
SCALE: 1/4" = 1'-0"



**PARTIAL SECOND FLOOR PLAN - EAST WING RESIDENCY**  
SCALE: 1/4" = 1'-0"



**PARTIAL SECOND FLOOR PLAN - WEST WING RESIDENCY**  
SCALE: 1/4" = 1'-0"

LEGEND	
SYMBOL	DESCRIPTION
---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER
---	DOMESTIC HOT WATER RECIRCULATING
---	FILTERED COLD WATER PIPING
G	FUEL GAS PIPING
F	FIRE PROTECTION
SPR	SPRINKLER (FIRE) PROTECTION PIPING
V	VENT PIPING
---	SANITARY WASTE (ABOVE FLOOR OR GRADE)
---	SANITARY WASTE (BELOW FLOOR OR GRADE)
---	GREASE WASTE DRAIN (BELOW FLOOR OR GRADE)
---	BALL VALVE
---	O.S.&Y. GATE VALVE
---	CHECK VALVE
---	SOLENOID VALVE EMERGENCY SHUT-OFF
---	DIRECTION OF FLOW IN PIPE
---	SLOPE PIPE DOWN IN DIRECTION OF ARROW
---	PITCH PIPE DOWN IN DIRECTION OF ARROW
---	P-TRAP
---	CEILING OR WALL CLEANOUT
FL. CO	FLOOR CLEANOUT
EP-2A	FLOOR DRAIN
ES-4A	FLOOR SINK
MHA - PDI, SIZE "A"	WATER HAMMER ARRESTER & SIZE CODE
P-A	PLUMBING FIXTURE

DRAWING TITLE  
**PART PLANS - SECOND FLOOR & LEGEND**

DATE  
**03/18/98**

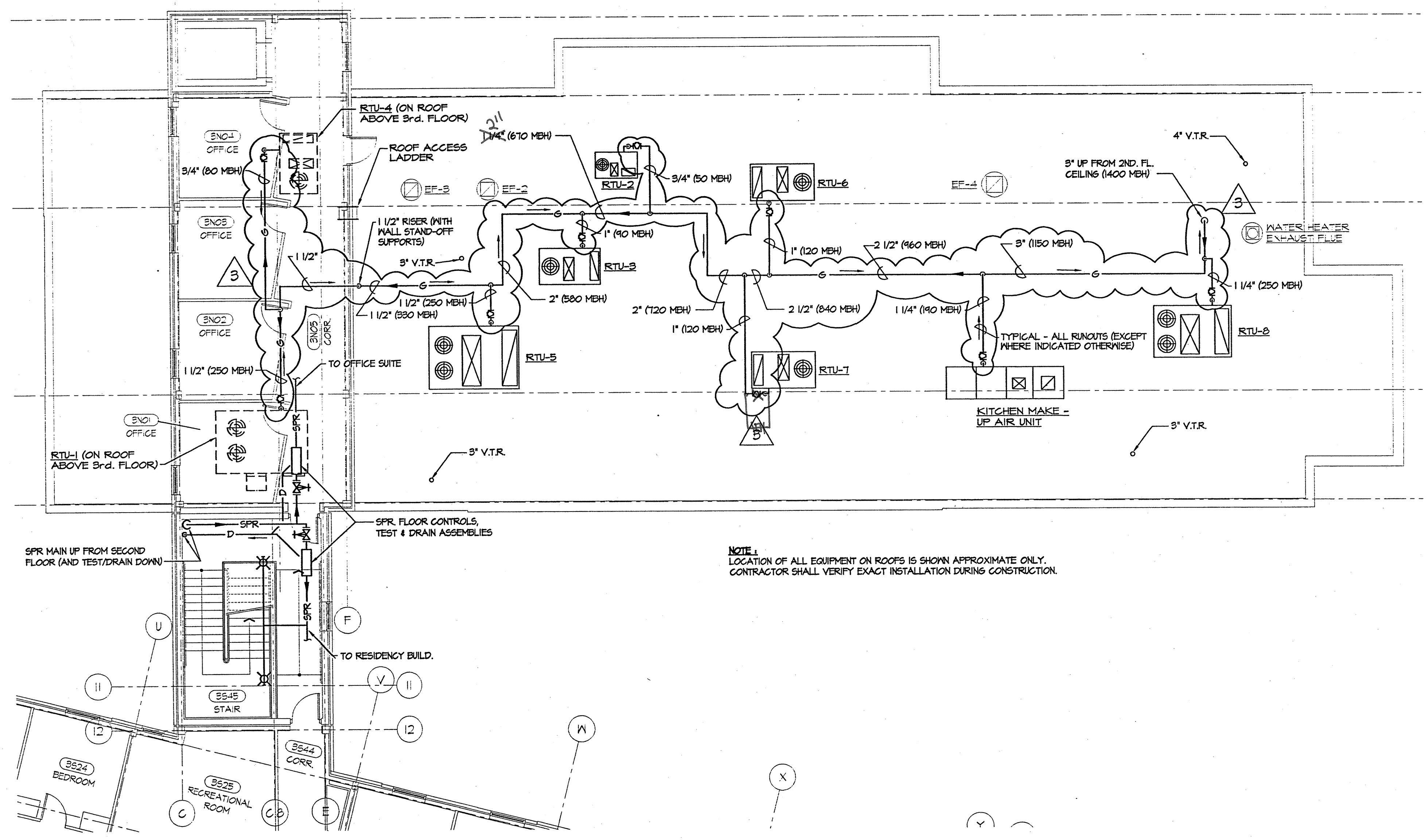
REVISIONS
4/2/98, ADD 2
6/25/98, REV.

DRAWING NUMBER  
**97187**

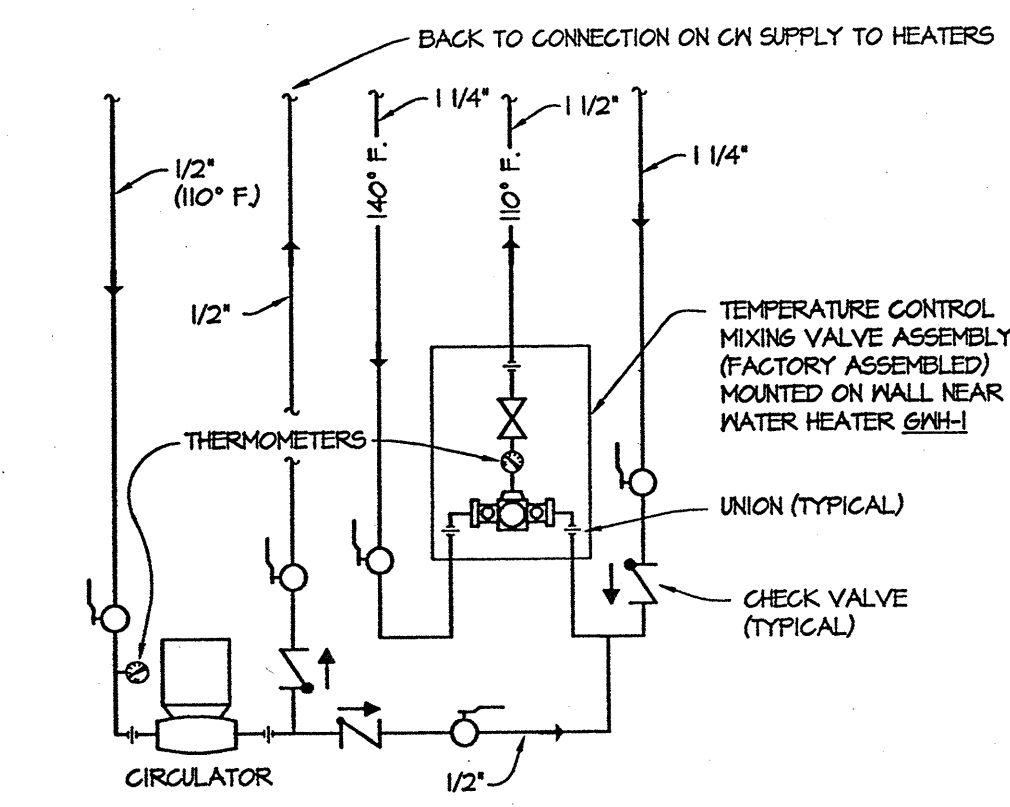
**AS BUILTS P2**

# PLUMBING FIXTURE CONNECTION SCHEDULE

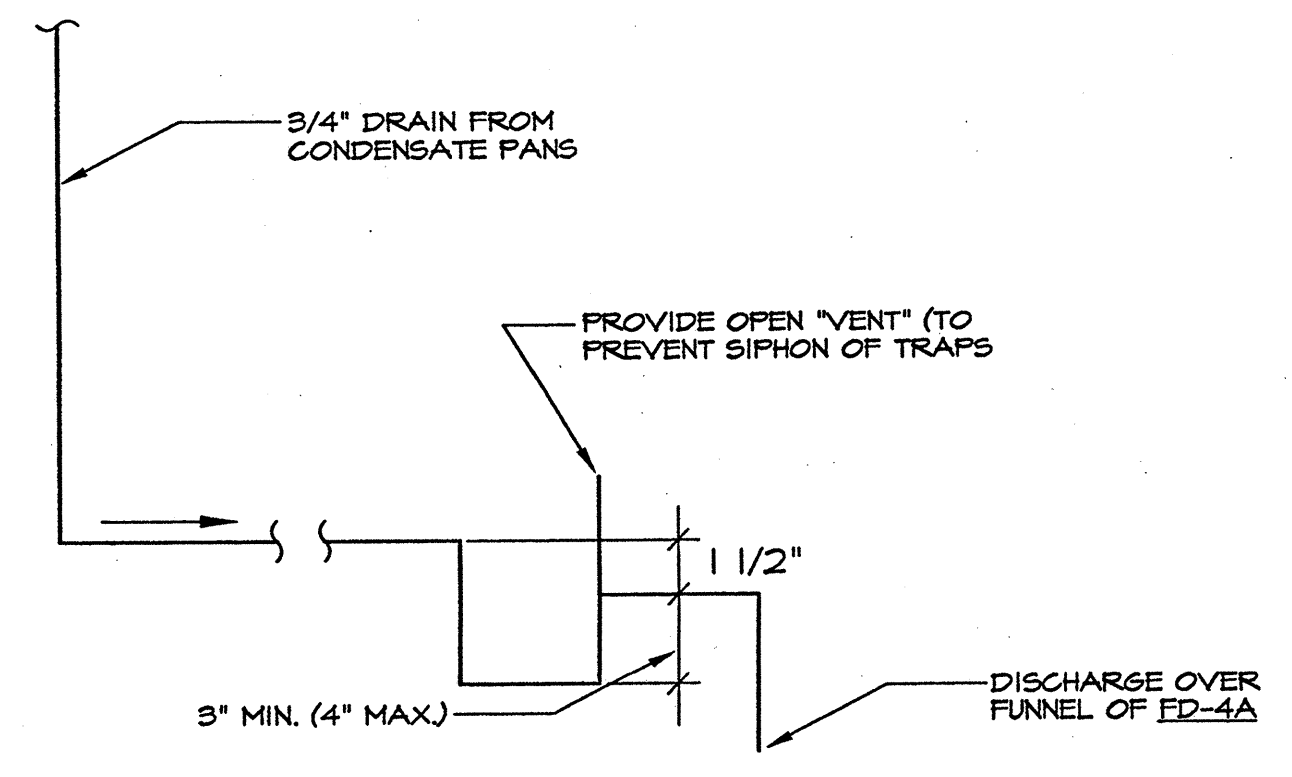
ITEM NO.	DESCRIPTION	C.W.	H.W.	WASTE	VENT	REMARKS / MOUNTING HEIGHT
P-1A	WATER CLOSET - GENERAL USE	1"	-	4'	2" (MIN)	15" A.F.F. TO RIM
P-1B	WATER CLOSET - HANDICAPPED (ADA)	1"	-	4'	2" (MIN)	17 1/2" A.F.F. TO RIM
P-2A	LAVATORY - COUNTERTOP (ADA)	3/8"	3/8"	1 1/2"	1 1/2"	SEE ARCHITECTURAL CASEWORK DRAWINGS
P-2B	LAVATORY - WALL HUNG (ADA)	3/8"	3/8"	1 1/2"	1 1/2"	34" A.F.F. TO FLOOD RIM
P-2C	LAVATORY - WALL HUNG, GENERAL USE	3/8"	3/8"	1 1/2"	2"	31" A.F.F. TO FLOOD RIM
P-2D	LAVATORY - COUNTERTOP, GEN. USE	3/8"	3/8"	1 1/2"	1 1/2"	SEE ARCHITECTURAL CASEWORK DRAWINGS
P-3A	URINAL - GENERAL USE	3/4"	-	2"	1 1/2"	24" A.F.F. TO LIP
P-3B	URINAL - HANDICAPPED (ADA)	1/2"	1/2"	2"	1 1/2"	17" A.F.F. TO LIP
P-4A	SHOWER - GENERAL USE	1/2"	1/2"	2"	1 1/2" (MIN)	SHOWER HEAD AT 6'-2" A.F.F. CONTROL AT 3'-6" A.F.F.
P-4B	SHOWER - HANDICAPPED (ADA)	1/2"	1/2"	2"	1 1/2" (MIN)	HAND HELD SHOWER HEAD CONNECTED OUTLET AT 6'-2" A.F.F. CONTROL AT 42" A.F.F.
P-5A	JANITOR SERVICE BASIN	1/2"	1/2"	3"	1 1/2" (MIN)	FLOOR MOUNTED, FAUCET AT 36" A.F.F.
P-6A	ELECTRIC WATER COOLER - SINGLE (ADA)	3/8"	-	1 1/2"	1 1/2" (MIN)	36" A.F.F. TO C/L OF NOZZLE
P-6B	ELECTRIC WATER COOLER - DUAL HEIGHT (ADA)	3/8"	-	1 1/2"	1 1/2"	41" A.F.F. TO C/L OF HIGH NOZZLE 36" A.F.F. TO C/L OF LOW NOZZLE
P-7A	WASHING MACHINE BOX	1/2"	1/2"	2"	1 1/2" (MIN)	FRONT LIP OF BOX AT 3'-6" A.F.F.
P-8A	CASEWORK SINK	1/2"	1/2"	1 1/2"	1 1/2" (MIN)	SEE ARCHITECTURAL CASEWORK DRAWINGS
P-9A	LAUNDRY SINK	1/2"	1/2"	1 1/2"	1 1/2"	FLOOR MOUNTED, INTEGRAL SUPPORT LEGS
P-10A	WALL HYDRANT - EXTERIOR	3/4"	-	-	-	24" ABOVE GRADE
P-11A	HOSE BIBB - INTERIOR	3/4"	-	-	-	36" A.F.F.



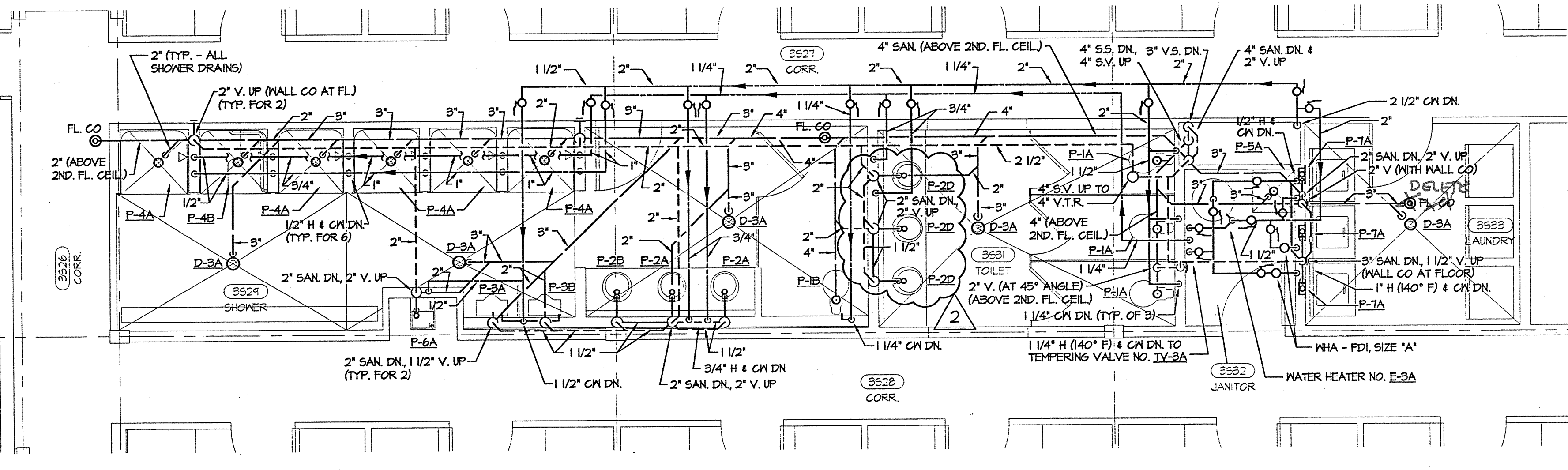
**THIRD FLOOR & ROOF PLAN - NORTH BUILDING**  
SCALE: 1/8" = 1'-0"



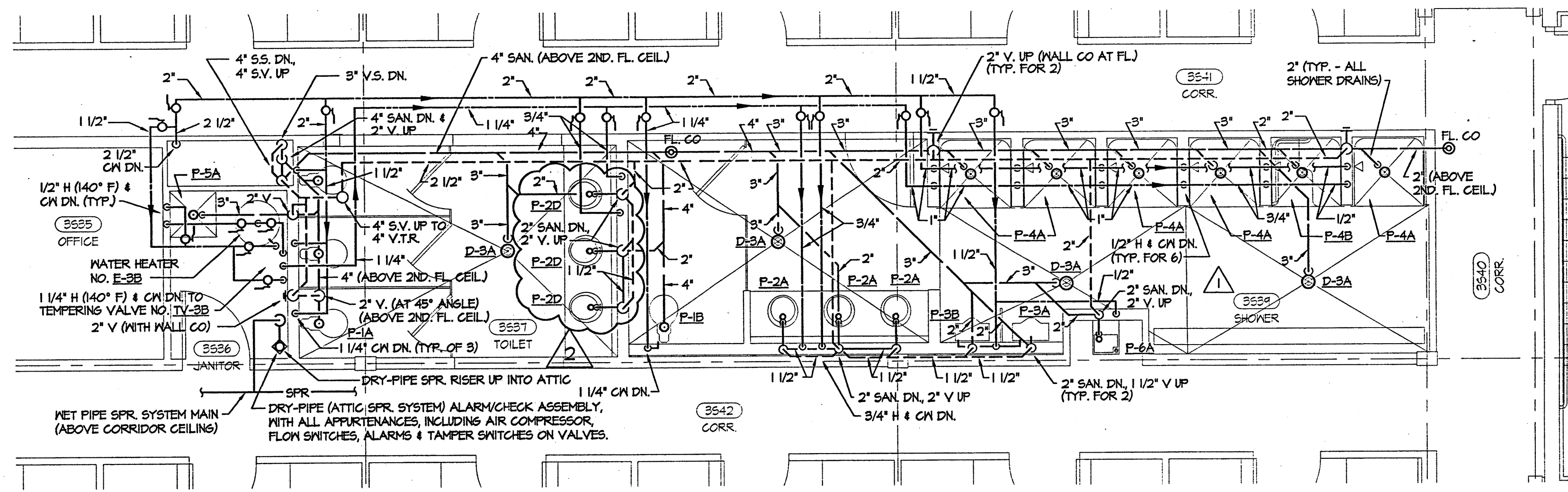
**MAIN MIXING VALVE PIPING**  
NO SCALE  
NOTE: PIPING FOR TEMPERING VALVES TV-1A, TV-2A, TV-3A, TV-1B, TV-2B & TV-3B SIMILAR EXCEPT CIRCULATION PUMP, CHECK VALVES AND ASSOCIATED RECIRCULATION / BY-PASS PIPING NOT REQUIRED.



**K-68 & K-69 COND. DRAIN DETAIL**  
NO SCALE



**PARTIAL THIRD FLOOR PLAN - WEST WING RESIDENCY**  
SCALE: 1/4" = 1'-0"



**PARTIAL THIRD FLOOR PLAN - EAST WING RESIDENCY**  
SCALE: 1/4" = 1'-0"

OWNER  
**RUBICON, INC.**

COMMISSION  
**MEN'S RESIDENTIAL TREATMENT FACILITY**

**RADY STREET RICHMOND, VA**



**BASKERVILLE & SON**

**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

DRAWING TITLE  
**PART PLANS - THIRD FLOOR, DETAILS AND FIXTURE SCHEDULE**

DATE  
**03/18/98**

REVISIONS  
4/2/98, ADD 2  
6/25/98, REV. 1

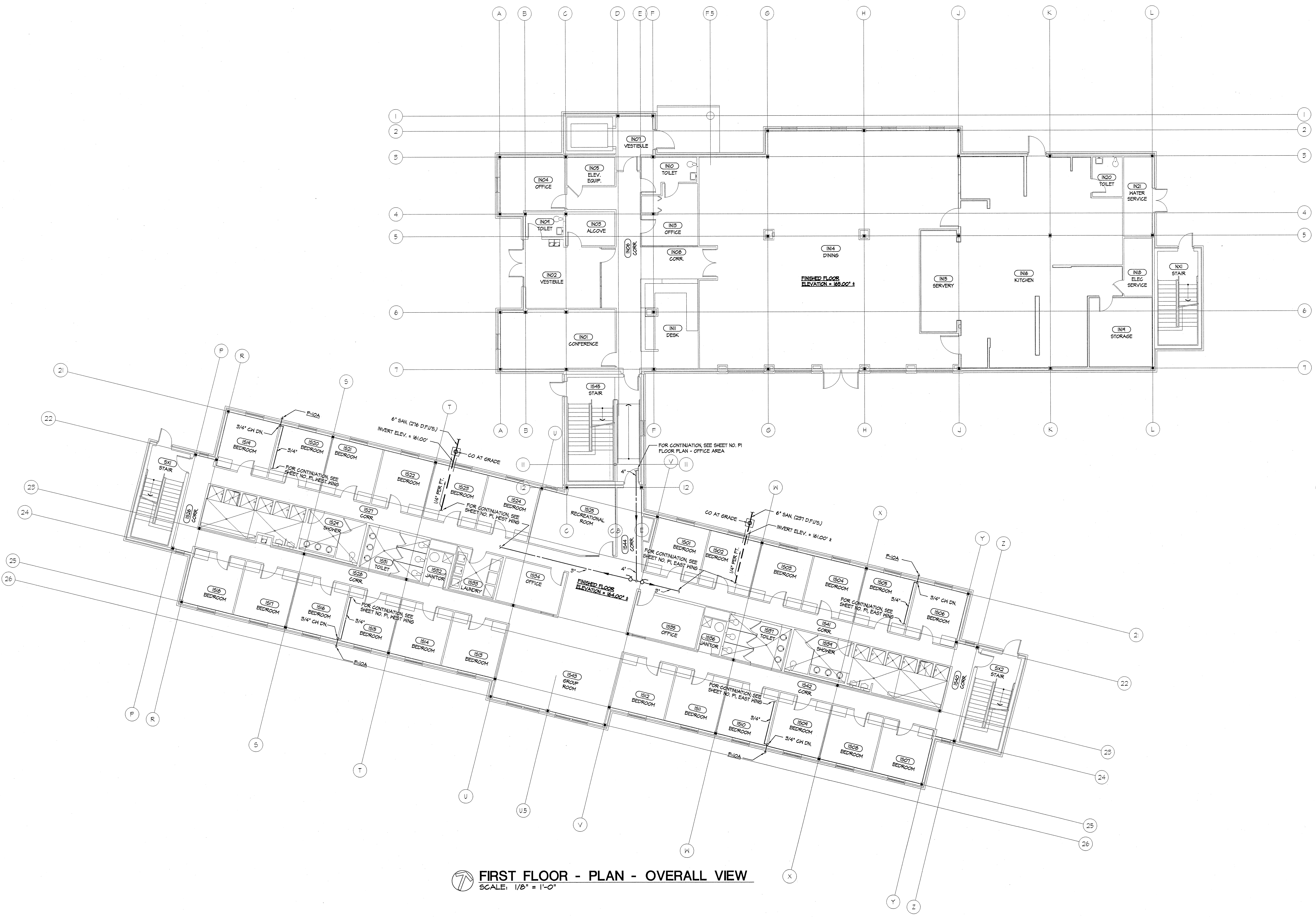
DRAWING NUMBER  
**97187**

**AS BUILT P3.0**



Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

B A S K E R V I L L E S O N



**FIRST FLOOR - PLAN - OVERALL VIEW**  
SCALE: 1/8" = 1'-0"

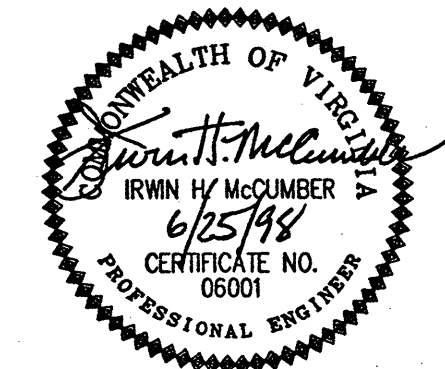
DRAWING TITLE  
**FLOOR PLAN -  
FIRST FLOOR -  
OVERALL**

DATE  
03/18/98

REVISIONS

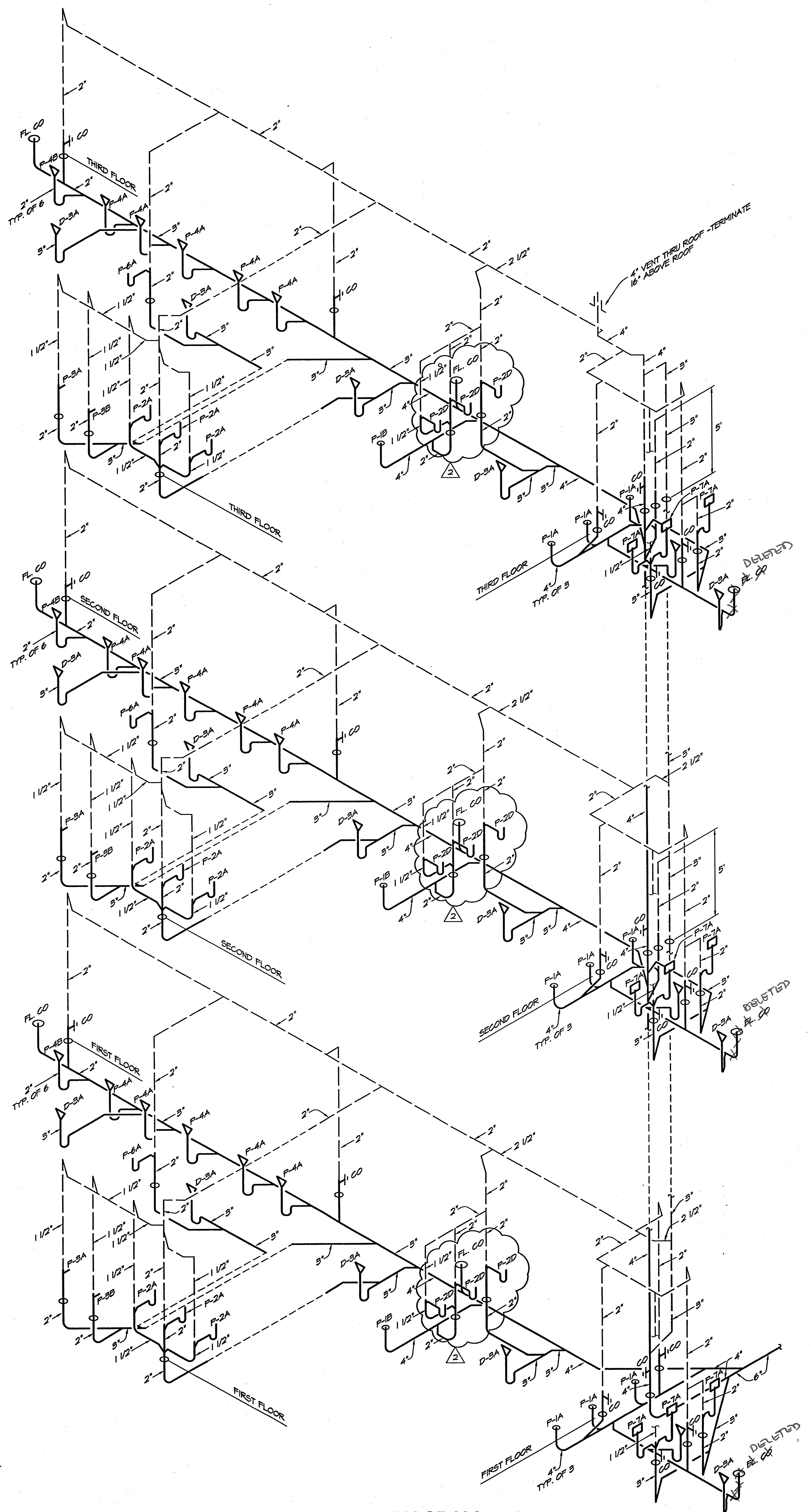
DRAWING NUMBER  
97187

AS  
BUILTS P4.0

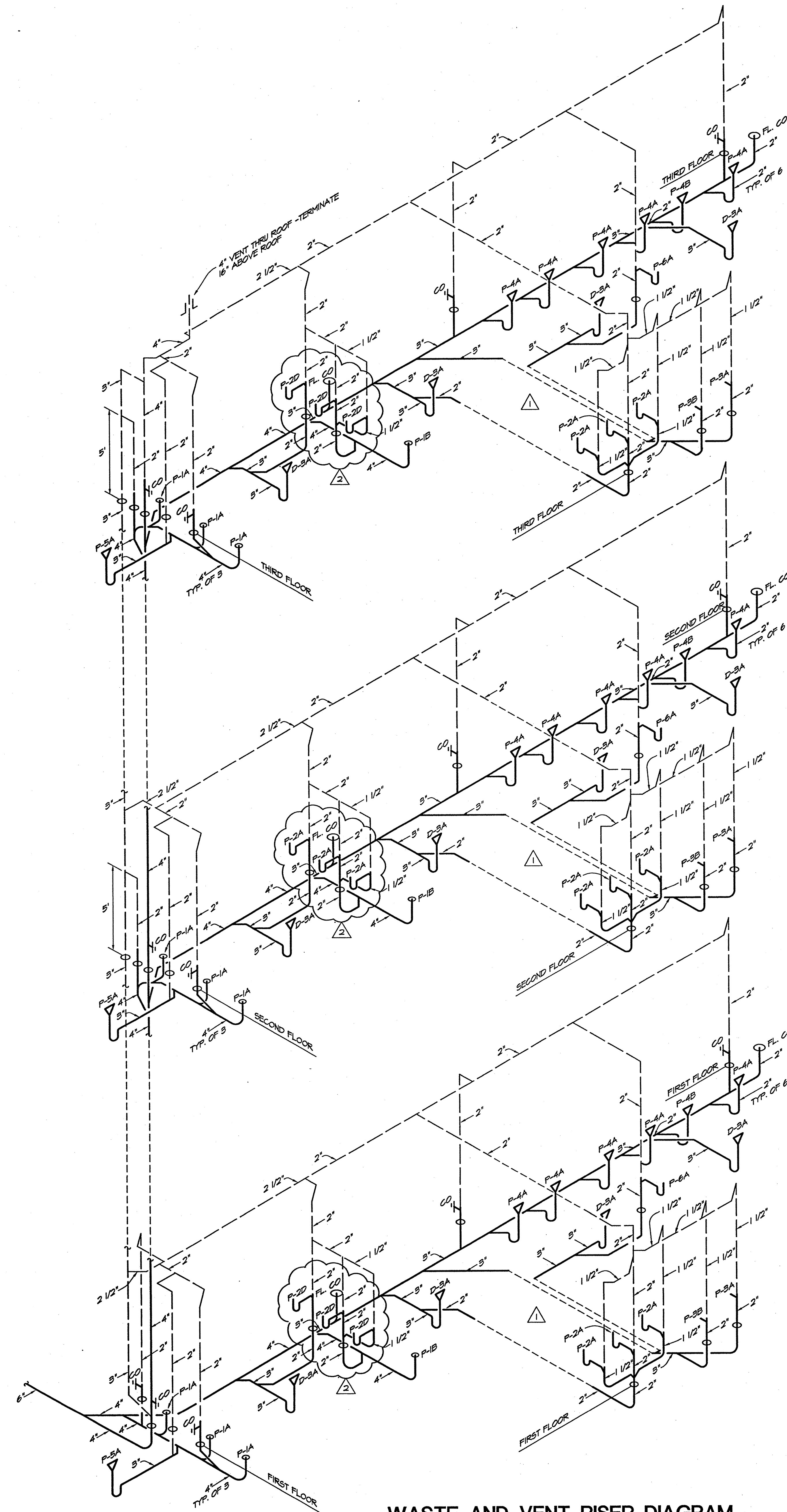


**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

**B A S K E R V I L L E S S O N**



**WASTE AND VENT RISER DIAGRAM - WEST WING RESIDENCY**



**WASTE AND VENT RISER DIAGRAM - EAST WING RESIDENCY**

DRAWING TITLE  
**WASTE AND VENT RISER DIAGRAMS - EAST AND WEST WING - RESIDENCY**

DATE  
**03/18/98**

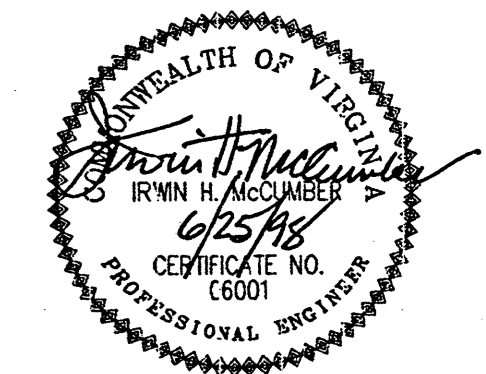
REVISIONS

4/2/98, ADD 2
6/25/98, REV 1

© 1997 Baskerville & Son. All rights reserved. No part of this drawing may be reproduced or transmitted in any form or by any means without the expressed written consent of Baskerville & Son.

DRAWING NUMBER  
**97187**

AS BUILTS **P5**



**Architects and Engineers**  
 114 Virginia Street, P.O. Box 400  
 Richmond, Virginia 23218-0400  
 (804) 343-1010

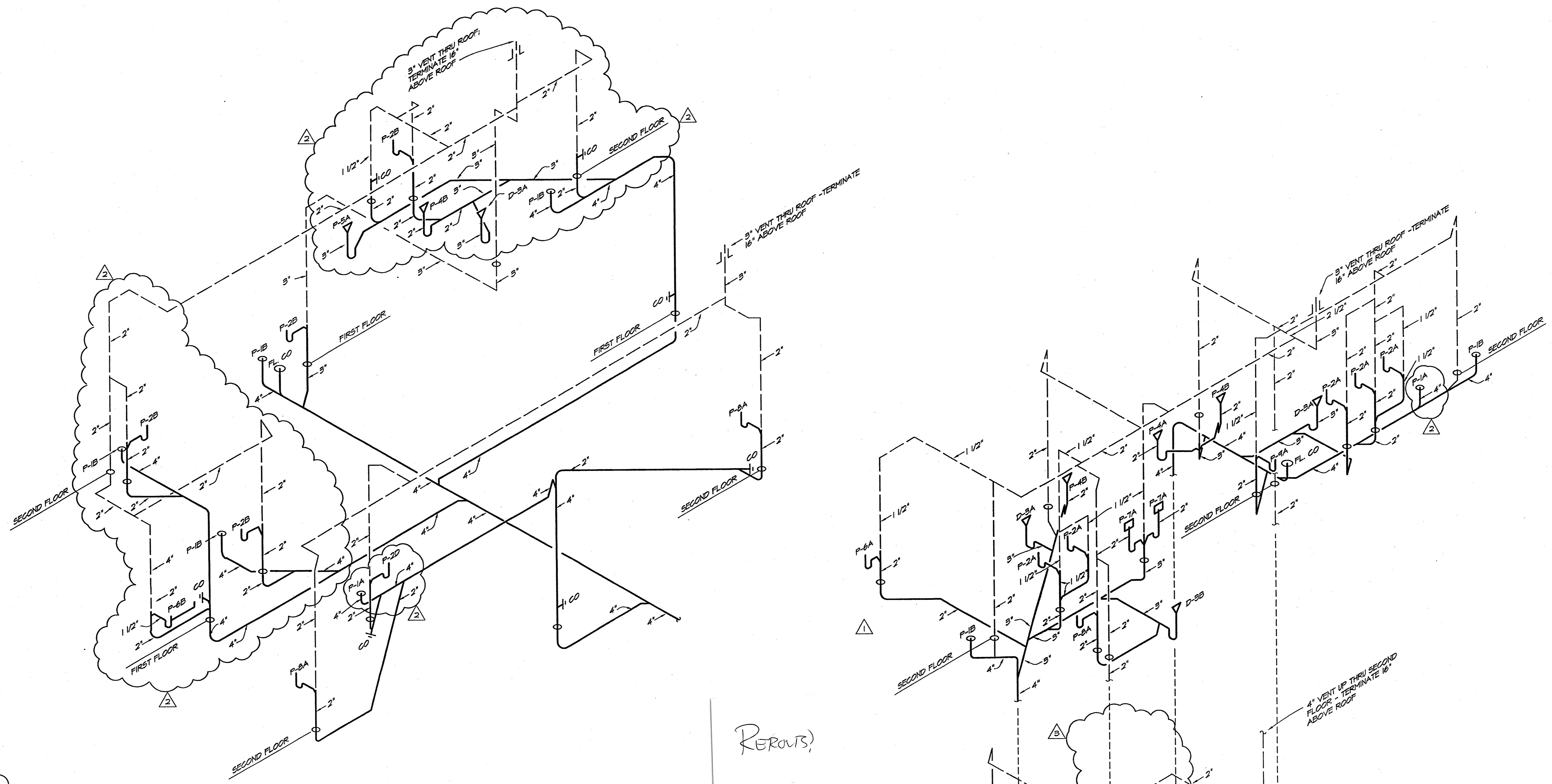
**B A S K E R V I L L E S O N**

DRAWING TITLE  
**WASTE AND VENT RISER DIAGRAM - OFFICE AREA, KITCHEN AREA & GAS RISER DIAGRAM**

DATE  
**03/18/98**

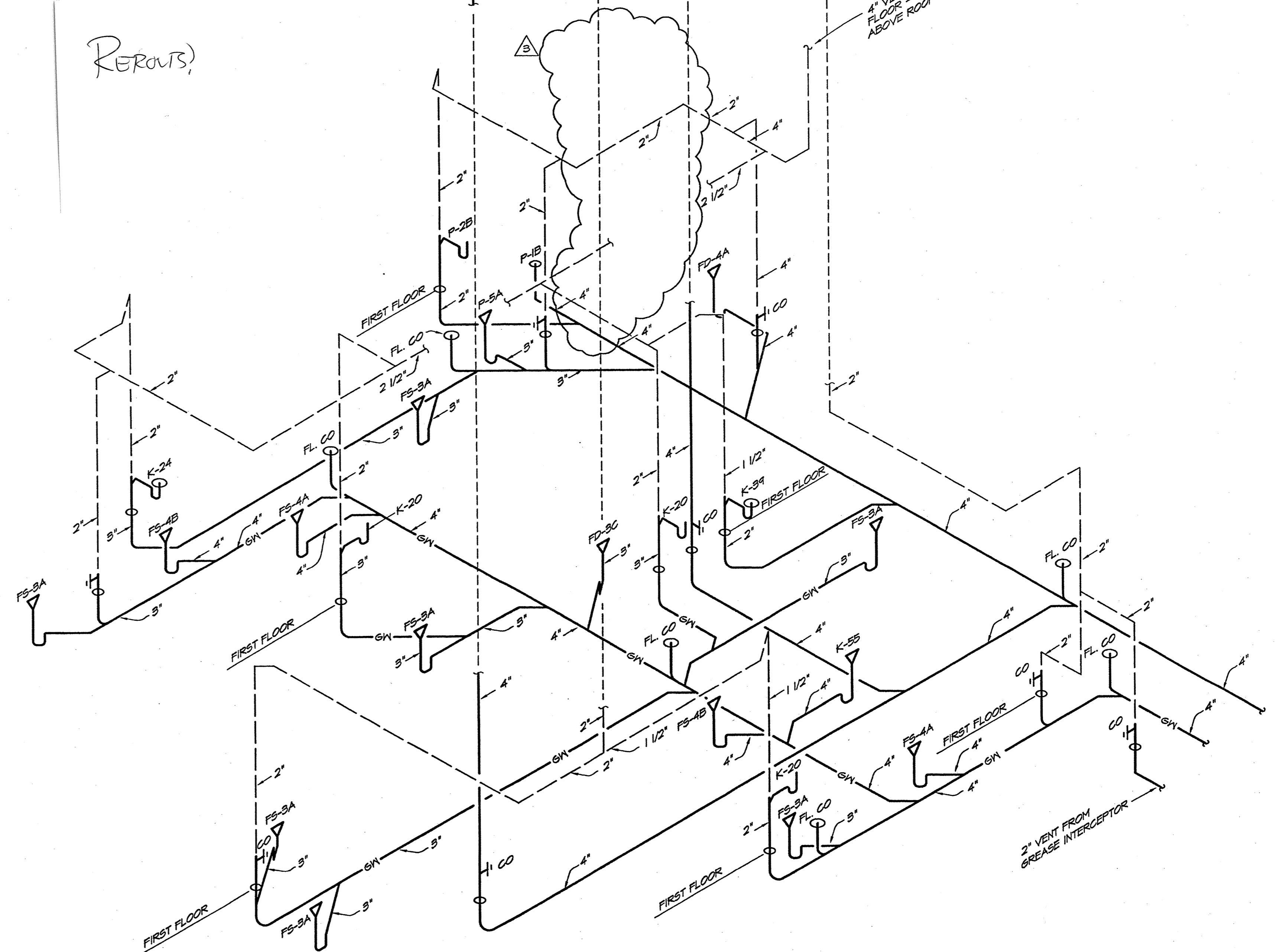
REVISIONS	
1	4/2/98, ADD 2
2	6/25/98, REV
3	6/25/98, CODE

© 1997 Rubicon & Son, Inc. All rights reserved. This drawing is the property of Rubicon & Son, Inc. and shall not be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of Rubicon & Son, Inc.  
 DRAWING NUMBER  
**97187**  
 AS  
**BUILTS P6**



**WASTE AND VENT RISER DIAGRAM  
 OFFICE AREA**

REWORKS

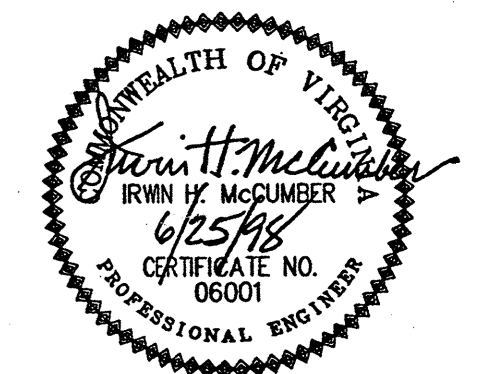


**WASTE AND VENT RISER DIAGRAM  
 KITCHEN AND STAFF TOILETS AREA**



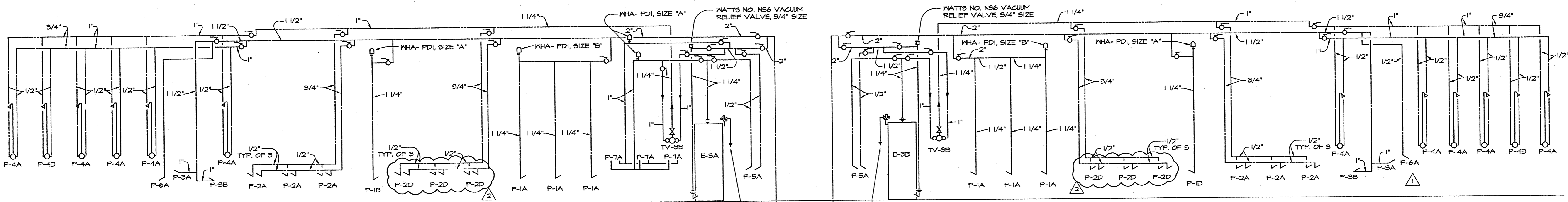
**GAS RISER DIAGRAM**

- NOTES:
1. FUEL GAS SYSTEM PIPE SIZING PER NFPA-54, TABLE C-8.
  2. TOTAL LENGTH OF SYSTEM: 208' ±, PLUS 20% FOR FITTINGS & VALVES (42' ±) = 250' DESIGN LENGTH.
  3. ALL LENGTHS OF PIPE ARE APPROXIMATE. NOT TO BE USED FOR FABRICATION AND INSTALLATION.



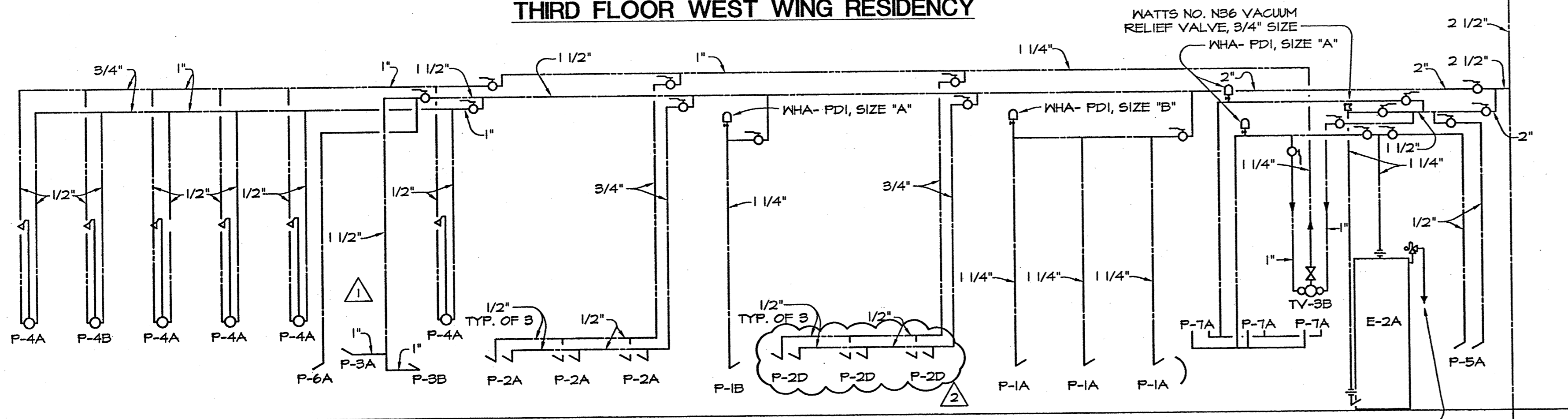
**Architects and Engineers**  
 114 Virginia Street, P.O. Box 400  
 Richmond, Virginia 23218-0400  
 (804) 343-1010

**B A S K E R V I L L E S O N**



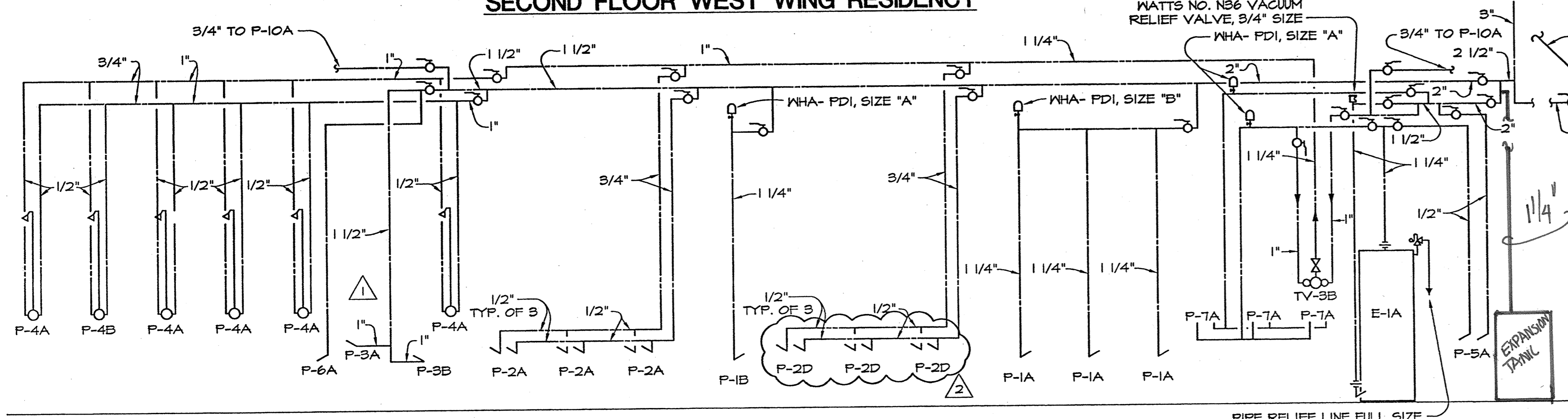
**THIRD FLOOR WEST WING RESIDENCY**

**THIRD FLOOR EAST WING RESIDENCY**



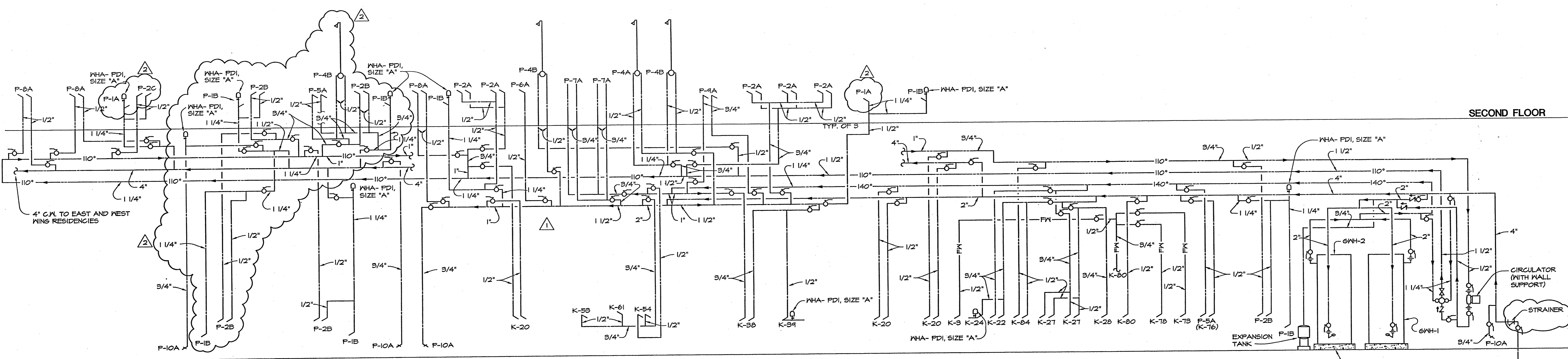
**SECOND FLOOR WEST WING RESIDENCY**

**SECOND FLOOR EAST WING RESIDENCY**



**FIRST FLOOR WEST WING RESIDENCY**

**FIRST FLOOR EAST WING RESIDENCY**



**FIRST FLOOR OFFICE AREA**

**FIRST FLOOR KITCHEN AREA**

**SECOND FLOOR**

**DRAWING TITLE**  
**DOMESTIC WATER RISER DIAGRAMS**

**DATE**  
 03/18/98

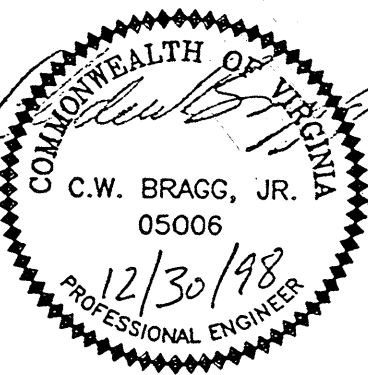
**REVISIONS**

4/2/98, ADD 2
6/25/98, REV.

**DRAWING NUMBER**  
 97187  
 AS BUILTS **P7**

Rubicon Inc. 97187.DWG (LUMS) 9/18/97.dwg 12:35:42 06/25/98 mlm

© 1987 Rubicon & Son, Inc. Material included herein is covered by copyright. Use of this work in whole or in part is forbidden without the written consent of Rubicon & Son.



B A S K E R V I L L E S O N

SWITCHBOARD SB						
DIRECTORY	UNIT No.	BREAKER AMP	POLE	BREAKER POLE	UNIT No.	DIRECTORY
PANEL K	1	400	3		3	PANEL 1SA
PANEL ME	3	600	3		3	PANEL 1SB
PANEL 2N	5	125	3		3	PANEL 2SA
PANEL 1N	7	150	3		3	PANEL 2SB
ELEVATOR	9	300	3		3	PANEL 3SA
SPACE ONLY	11	-	3		3	PANEL 3SB
SPACE ONLY	13	-	3		3	SPACE ONLY

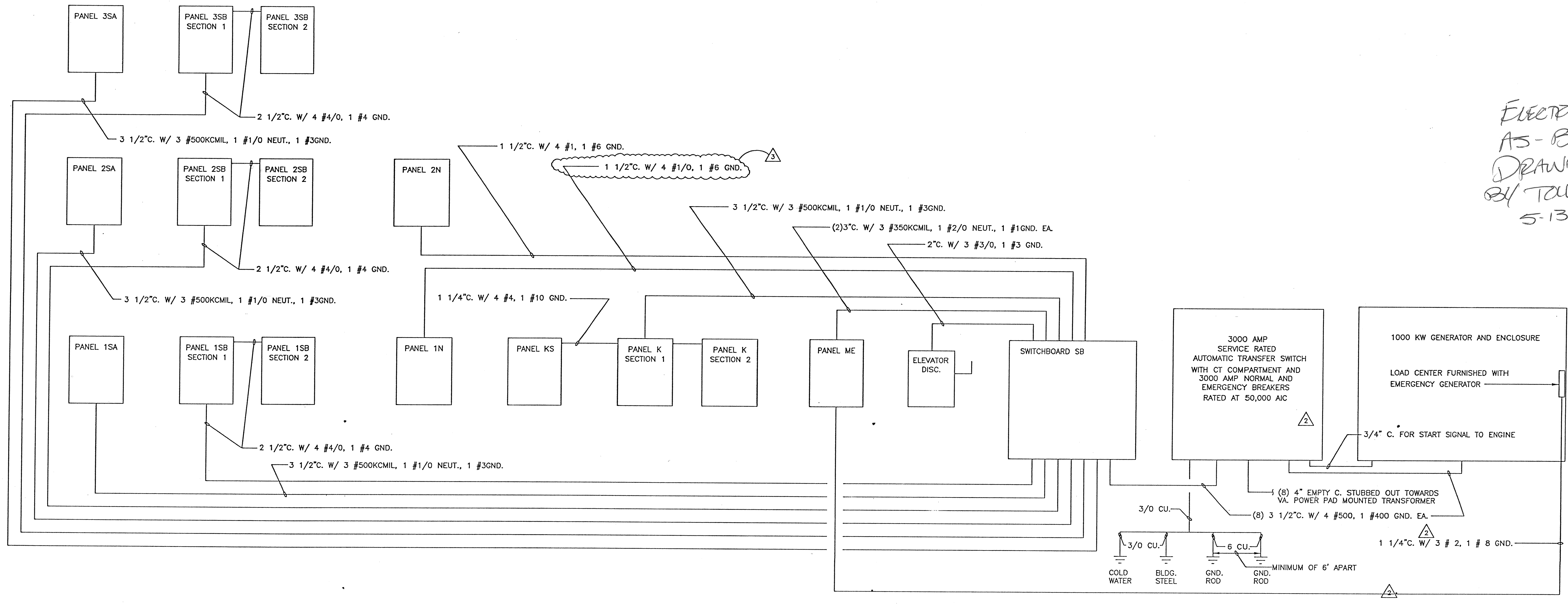
TYPE: CUTLER-HAMMER  
MAINS: 3000 AMP, M.L.O. AT BOTTOM  
SYSTEM: 120/208 VOLT, 3φ, 4W, SN  
FAULT RATING: 43 KAIC  
MISCELLANEOUS: SURFACE MOUNTED, GND. BUS

CONNECTED LOAD 910 KVA  
▲ PROVIDE BREAKER W/ 120V SHUNT TRIP

*Changed to 175A to match equipment*

ELECTRICAL SYMBOL LEGEND	
NUMBER BESIDE SYMBOL INDICATES PANELBOARD CIRCUIT DESIGNATION. LETTER BESIDE OR WITHIN FIXTURE SYMBOL INDICATES FIXTURE TYPE. MOUNTING HEIGHTS GIVEN IN LEGEND ARE TO THE CENTERLINE OF THE DEVICE AND SHALL GOVERN UNLESS OTHERWISE INDICATED AT THE SYMBOL. DIAGONAL LINE THROUGH FLUORESCENT LIGHTING FIXTURE INDICATES FIXTURE ON NIGHT LIGHT CIRCUIT, WIRE AHEAD OF SWITCH. AND HAS EMERGENCY BATTERY TAP.	
SYMBOL	DESCRIPTION
[Symbol]	2' X 4' FLUORESCENT LIGHT FIXTURE
[Symbol]	1' X 4' FLUORESCENT LIGHT FIXTURE
[Symbol]	4' FLUORESCENT LIGHT FIXTURE
[Symbol]	3' FLUORESCENT LIGHT FIXTURE
[Symbol]	DOWNLIGHT FIXTURE
[Symbol]	WALL FIXTURE
[Symbol]	EXIT LIGHT FIXTURE - DIRECTIONAL ARROWS AS INDICATED
[Symbol]	EMPTY CONDUIT
[Symbol]	WEATHERPROOF
[Symbol]	UNLESS OTHERWISE NOTED
[Symbol]	WALL MOUNTED TELEVISION OUTLET, +100"
[Symbol]	WALL MOUNTED DUPLEX RECEPTACLE FOR TELEVISION, +100"
[Symbol]	30 AMP DRYER RECEPTACLE, NEMA 14-30R, SPECIFICATION GRADE, +18", REQUIRES 4 #10 CONDUCTORS, UON, SYMBOL WITH SUBSCRIPT REPRESENTS FCU RECEPTACLE - "A" INDICATES 208V NEMA RATING 6-30R RECEPTACLE, "B" INDICATES 208V NEMA RATING 6-30R RECEPTACLE, VERIFY EXACT LOCATION WITH FCU IN FIELD.
[Symbol]	DUPLEX RECEPTACLE, +18" UON
[Symbol]	DUPLEX RECEPTACLE, 20A, +18" UON
[Symbol]	DUPLEX RECEPTACLE, GFI, MOUNT HORIZONTALLY, +43" UON
[Symbol]	SWITCH, SPST, +48" UON
[Symbol]	SWITCH, THREE-WAY, +48" UON
[Symbol]	PUSH-BUTTON TO UNLOCK DOOR, +40"
[Symbol]	DATA/TELEPHONE OUTLET, +48" UON - PROVIDE (1) 3/4" E.C. STUBBED OUT ABOVE LAY-IN CEILING
[Symbol]	JUNCTION BOX MOUNTED ABOVE CEILING
[Symbol]	JUNCTION BOX
[Symbol]	DISCONNECT SWITCH - SIZE AS INDICATED
[Symbol]	MANUAL MOTOR STARTER
[Symbol]	COMBINATION STARTER/DISCONNECT
[Symbol]	MOTOR ON EQUIPMENT ITEM
[Symbol]	HOMERUN TO PANELBOARD - ARROWS INDICATE NUMBER OF CIRCUITS. HASH MARKS INDICATED NUMBER OF WIRES IN CONDUIT. SHORT HASH MARKS INDICATE PHASE WIRES. HASH MARK WITH FLAG INDICATES GROUND WIRE. NO HASH MARKS INDICATE TWO CONDUCTORS.

LIGHTING FIXTURE SCHEDULE						
TYPE	DESCRIPTION	MOUNTING	VOLTAGE	LAMP NO. AND TYPE	MANUFACTURER AND CAT. NO.	REMARKS
A	2x4 FLUORESCENT WRAPAROUND	SURFACE	120	4-F32T8	COLUMBIA AWW4-432-A12-EBB-120	
B	2x4 FLUORESCENT LAY-IN	RECESSED	120	2-F32T8	COLUMBIA J24-232G-FS EB8120	
C	2x4 FLUORESCENT LAY-IN	RECESSED	120	4-F32T8	COLUMBIA J24-432G-FS EB8120	
D	2x4 FLUORESCENT WRAPAROUND	SURFACE	120	2-F32T8	COLUMBIA LU 4-232-EBB 120 WL	
F1	METAL HALIDE WALL LIGHT	EXTERIOR WALL	120	1-100W-MH	KENALL MR17ED-SMB 100M-1-120QR9009	
F2	METAL HALIDE WALL LIGHT	EXTERIOR WALL	120	1-100W-MH	KENALL MR17FD-SMB 100M-1-120QR9009	
G	INCANDESCENT WALL FIXTURE	WALL	120	1-150W-A19	PRESCOLITE WB-28	
H	2x4 FLUORESCENT WRAPAROUND	SURFACE	120	2-F32T8	COLUMBIA AWW4-232-A12-EBB-120	
K	4' FLUORESCENT BRACKET	WALL	120	2-F32T8	COLUMBIA W4-232-EBB 120	
M	FLUORESCENT STRIP	SURFACE	120	2-F32T8	COLUMBIA CS4-232-EBB 120 CSW4G	
N1	KEYLESS LAMPHOLDER	WALL	120	1-100W-A19	LEVITON 9875	PROVIDE LAMP GUARD
N2	PULL CHAIN W/ OUTLET	ATTIC	120	1-100W-A19	LEVITON 9726	PROVIDE LAMP GUARD
P	8" DOWNLIGHT	RECESSED	120	2-26W QUAD	PRESCOLITE CFR826U-S1492A-120V	
Q	FLOOD LIGHT	RECESSED	120	1-500W QUARTZ	HUBBELL QL-5605-105	
R3	3' WALL BRACKETS	WALL	120	2-F025	LUMAX FJ-22503-E01SAW-TD	MOUNT ABOVE MIRROR
R4	4' WALL BRACKETS	WALL	120	2-F032	LUMAX FJ-23248-E01SAW-TD	
X1	EXIT FIXTURE	CEILING	120	FURNISHED	PRESCOLITE PEX L3 R-W	



*ELECTRICAL AS-BUILT DRAWINGS BY TOLLEY ELEC 5-13-99*

RISER DIAGRAM  
NO SCALE

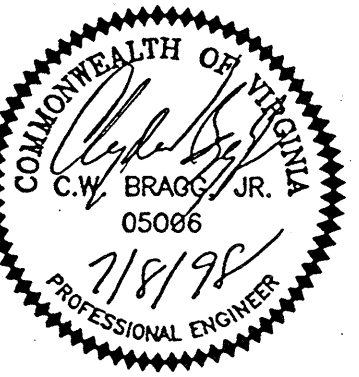
ELECTRICAL RISER, SCHEDULES, LEGENDS

DATE  
03/18/98

REVISIONS  
4/2/98 ADD 2  
7/8/98 CD1  
12/29/98-X9

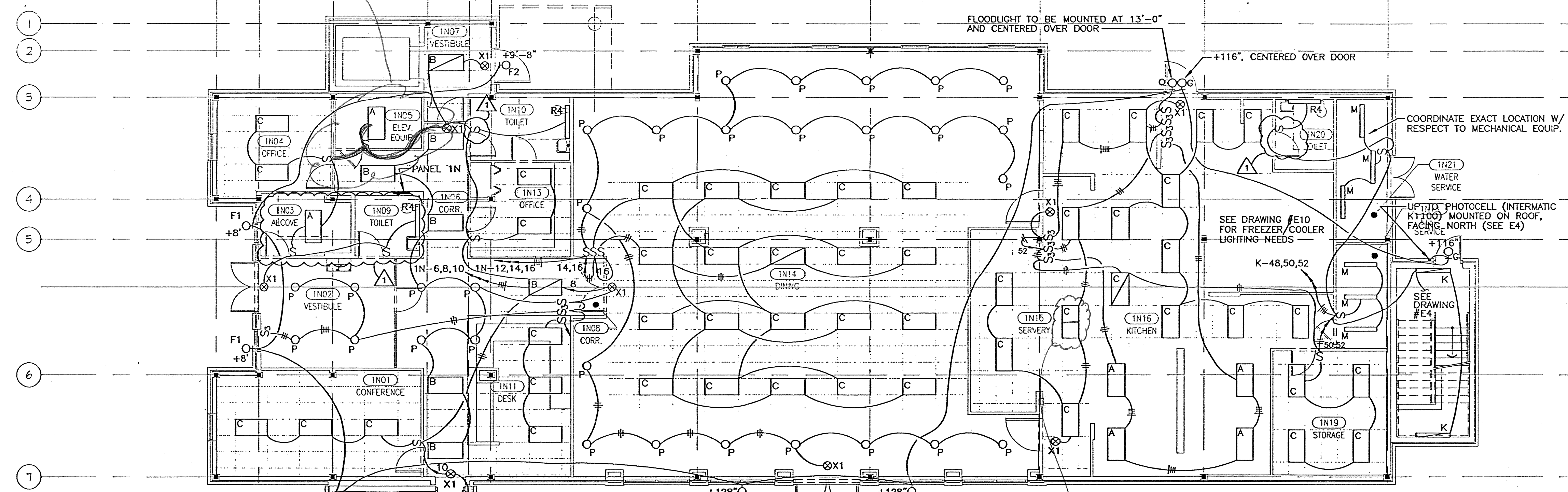
DRAWING NUMBER  
97187





B A S K E R V I L L E S O N

Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23219-0400  
(804) 343-1010

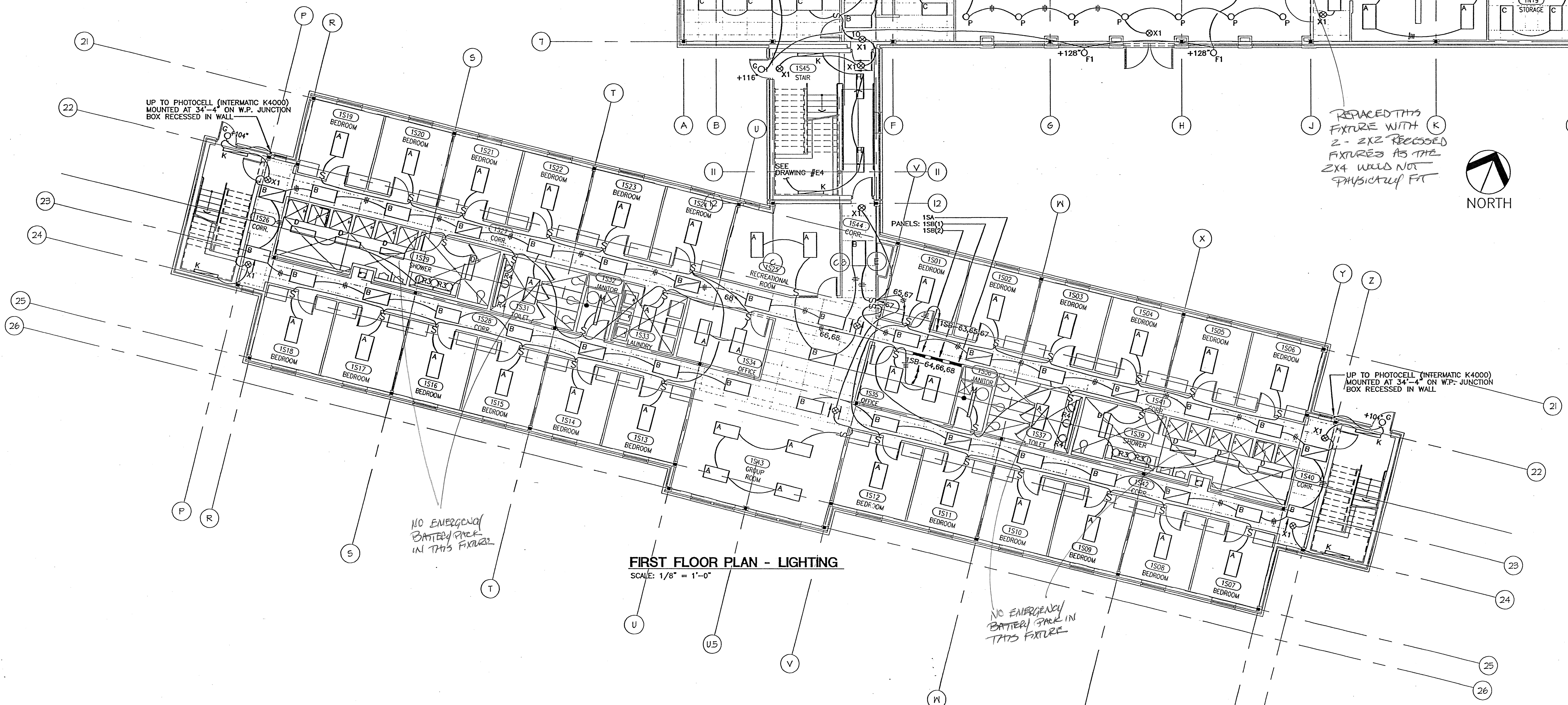


FLOODLIGHT TO BE MOUNTED AT 13'-0" AND CENTERED OVER DOOR  
+116", CENTERED OVER DOOR

COORDINATE EXACT LOCATION W/ RESPECT TO MECHANICAL EQUIP.  
UP TO PHOTOCELL (INTERMATIC K1700) MOUNTED ON ROOF, FACING NORTH (SEE E4)  
UP TO PHOTOCELL (INTERMATIC K4000) MOUNTED AT 34'-4" ON W.P. JUNCTION BOX RECESSED IN WALL

SEE DRAWING #E10 FOR FREEZER/COOLER LIGHTING NEEDS  
K-48,50,52

REPLACED THIS FIXTURE WITH 2 - 2X2 RECESSED FIXTURES AS THE 2X4 WOULD NOT PHYSICALLY FIT



UP TO PHOTOCELL (INTERMATIC K4000) MOUNTED AT 34'-4" ON W.P. JUNCTION BOX RECESSED IN WALL

UP TO PHOTOCELL (INTERMATIC K4000) MOUNTED AT 34'-4" ON W.P. JUNCTION BOX RECESSED IN WALL

NO EMERGENCY BATTERY PACK IN THIS FIXTURE

NO EMERGENCY BATTERY PACK IN THIS FIXTURE

FIRST FLOOR PLAN - LIGHTING  
SCALE: 1/8" = 1'-0"

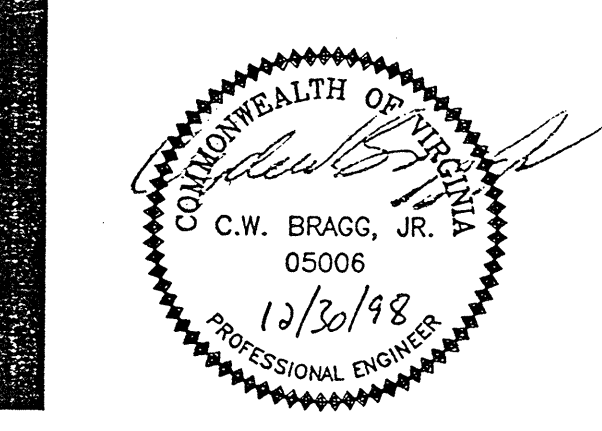
FIXTURE AS NOTED HAS AN EMERGENCY BATTERY PACK INSTALLED AND IS SWITCHED, NO NEED TO BE ON NIGHT LIGHT CIRCUIT TOTAL OF 4 ON THIS SHEET

DRAWING TITLE  
ELECTRICAL FIRST FLOOR LIGHTING

DATE  
03/18/98

REVISIONS  
CPI 7/8/98

DRAWING NUMBER  
97187

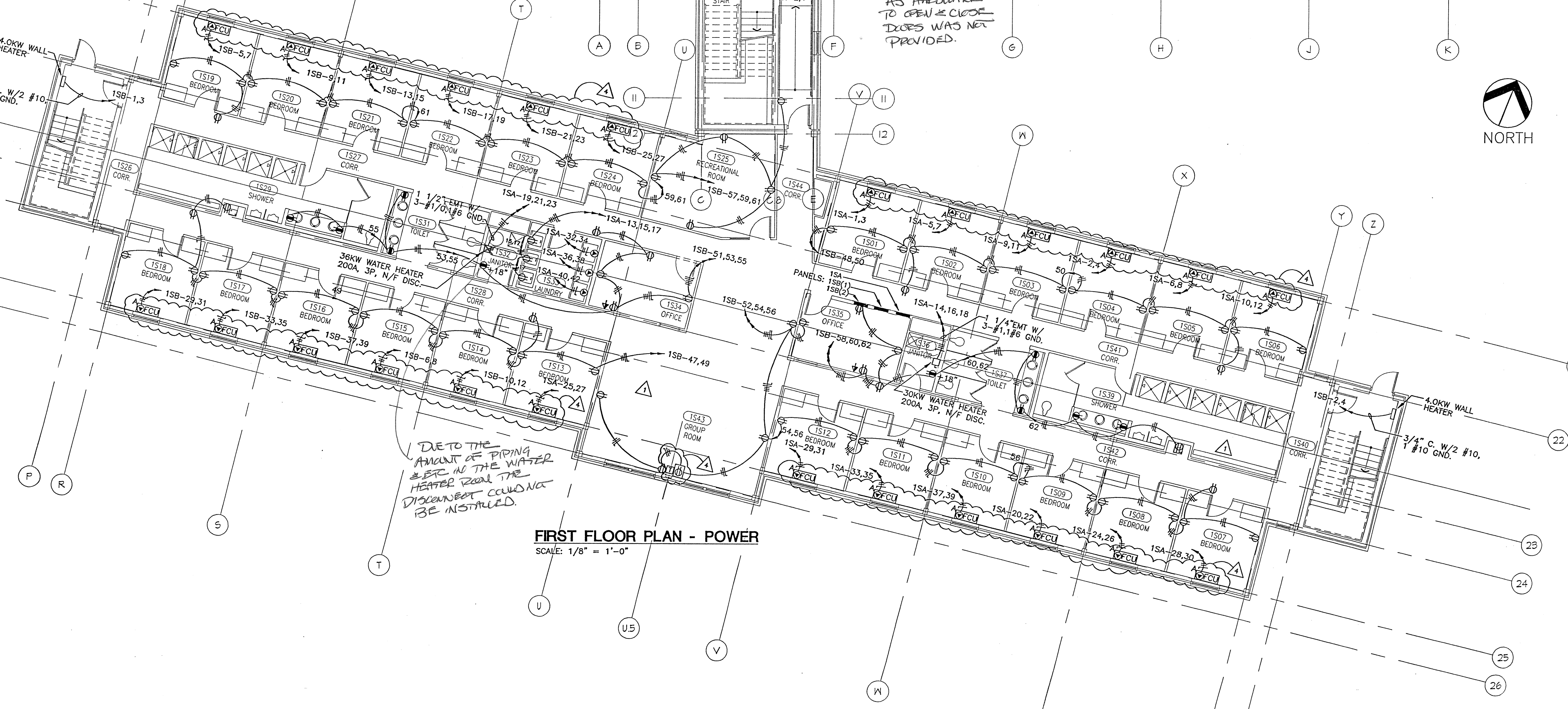
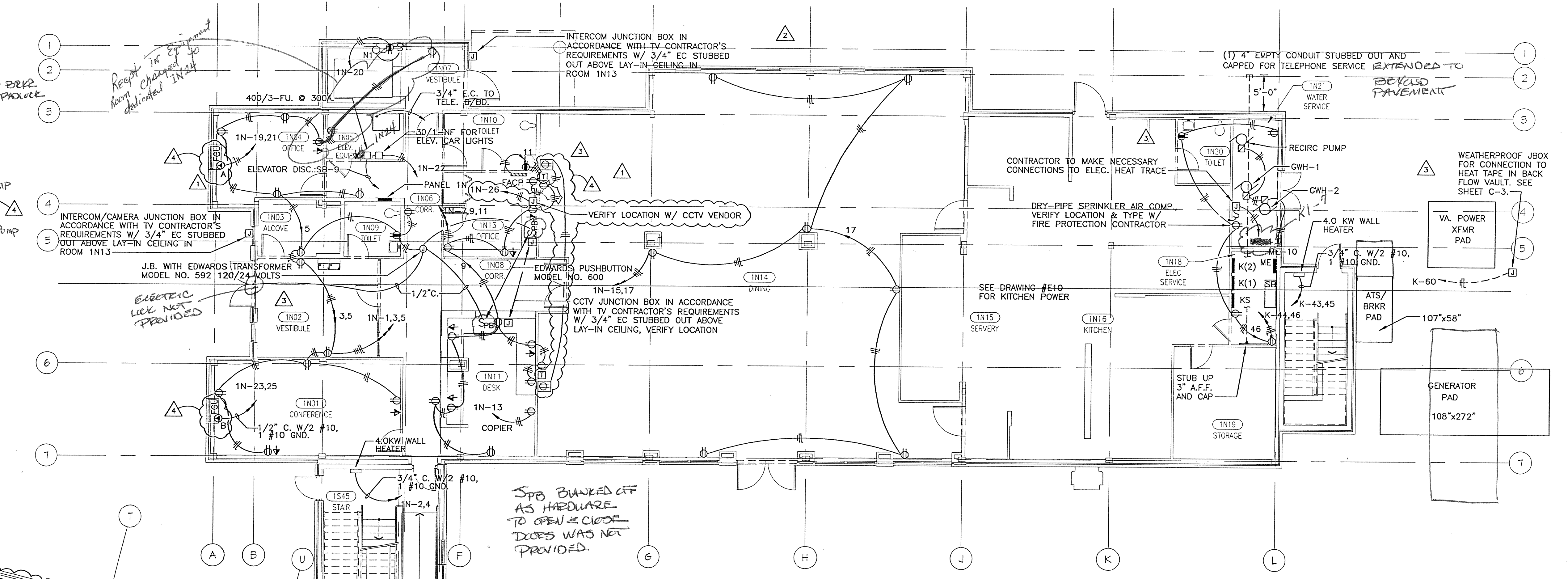


**PANEL 1N**

DIRECTORY	CKT No.	BREAKER AMP	POLE	A	B	C	BREAKER POLE	AMP	CKT No.	DIRECTORY
RECEPTABLES	1	20	1				2	25	2	STAIRWELL HEATER
RECEPTABLES	3	20	1						4	
RECEPTABLES	5	20	1				1	20	6	LIGHTS
RECEPTABLES	7	20	1				1	20	8	LIGHTS
RECEPTABLES	9	20	1				1	20	10	LIGHTS
RECEPTABLES	11	20	1				1	20	12	LIGHTS
COPIER (DESK)	13	20	1				1	20	14	LIGHTS
RECEPTABLES	15	20	1				1	20	16	LIGHTS
RECEPTABLES	17	20	1				1	20	18	ELEVATOR CAB LIGHTS
FCU-OFFICE	19	20	2				1	20	20	ELEVATOR RECEPTABLE SHUNT TRIP
FCU-OFFICE	21	20	1				1	20	22	ELEVATOR LIGHTS P.T.
FCU-CONF. RM	23	30	2				1	20	24	SPACE ONLY
FCU-CONF. RM	25	20	1				1	25	26	COPIER RM. INT-3
SPACE ONLY	27	20	1				1	20	28	SPACE ONLY
	29	20	1				1	20	30	
	31	20	1				1	20	32	
	33	20	1				1	20	34	
	35	20	1				1	20	36	
	37	20	1				1	20	38	
	39	20	1				1	20	40	
	41	20	1				1	20	42	

TYPE: SQUARE D  
MAINS: 225 AMP M.L.O. AT TOP  
SYSTEM: 120/208 VOLT, 3Ø, 4W, SN  
FAULT RATING: 10 KAIC  
MISCELLANEOUS: FLUSH MOUNTED, GND. BUS,  
BREAKERS MARKED WITH A SHALL BE PROVIDED W/ LOCK-ON DEVICE

CONNECTED LOAD 26 KVA



**PANEL 1SA**

DIRECTORY	CKT No.	BREAKER AMP	POLE	A	B	C	BREAKER POLE	AMP	CKT No.	DIRECTORY
FCU	1	15	2				2	15	2	FCU
FCU	3	15	2				2	15	4	FCU
FCU	5	15	2				2	15	6	FCU
FCU	7	15	2				2	15	8	FCU
FCU	9	15	2				2	15	10	FCU
WASHER RECEPTACLE	11	20	1				3	110	14	WATER HEATER
WASHER RECEPTACLE	13	20	1				2	15	16	FCU
WASHER RECEPTACLE	15	20	1				2	15	18	FCU
WATER HEATER	17	20	1				2	15	20	FCU
	19						2	15	22	FCU
FCU	21	125	3				2	15	24	FCU
FCU	23	15	2				2	15	26	FCU
FCU	25	15	2				2	15	28	FCU
FCU	27	15	2				2	30	30	FCU
FCU	29	15	2				2	30	32	FCU
FCU	31	15	2				2	30	34	FCU
FCU	33	15	2				2	30	36	FCU
FCU	35	15	2				2	30	38	FCU
FCU	37	15	2				2	30	40	FCU
SPACE	39						2	30	42	FCU
	41									

TYPE: SQUARE D  
MAINS: 400 AMP, M.L.O. AT BOTTOM  
SYSTEM: 120/208 VOLT, 3Ø, 4W, SN  
FAULT RATING: 13 KAIC  
MISCELLANEOUS: FLUSH MOUNTED, GND. BUS

CONNECTED LOAD 117 KVA

**PANEL 1SB (SECTION 1)**

DIRECTORY	CKT No.	BREAKER AMP	POLE	A	B	C	BREAKER POLE	AMP	CKT No.	DIRECTORY
STAIRWELL HEATER	1	15	2				2	30	2	STAIRWELL HEATER
FCU	3	15	2				2	15	4	FCU
FCU	5	15	2				2	15	6	FCU
FCU	7	15	2				2	15	8	FCU
FCU	9	15	2				2	15	10	FCU
FCU	11	15	2				1	14	12	SPACE ONLY
FCU	13	15	2						16	
FCU	15	15	2						18	
FCU	17	15	2						20	
FCU	19	15	2						22	
FCU	21	15	2						24	
FCU	23	15	2						26	
FCU	25	15	2						28	
FCU	27	15	2						30	
FCU	29	15	2						32	
FCU	31	15	2						34	
FCU	33	15	2						36	
FCU	35	15	2						38	
FCU	37	15	2						40	
SPACE	39								42	

TYPE: SQUARE D  
MAINS: 225 AMP, M.L.O. AT BOTTOM, FEED THRU LUGS ON TOP  
SYSTEM: 120/208 VOLT, 3Ø, 4W, SN  
FAULT RATING: 10 KAIC  
MISCELLANEOUS: FLUSH MOUNTED, GND. BUS

CONNECTED LOAD 31 KVA

**PANEL 1SB (SECTION 2)**

DIRECTORY	CKT No.	BREAKER AMP	POLE	A	B	C	BREAKER POLE	AMP	CKT No.	DIRECTORY
SMOKE DETECTORS	43	20	1				1	20	44	SMOKE DETECTORS
SMOKE DETECTORS	45	20	1				1	20	46	SMOKE DETECTORS
RECEPTABLES	47	20	1				1	20	48	RECEPTABLES
RECEPTABLES	49	20	1				1	20	50	RECEPTABLES
RECEPTABLES	51	20	1				1	20	52	RECEPTABLES
RECEPTABLES	53	20	1				1	20	54	RECEPTABLES
RECEPTABLES	55	20	1				1	20	56	RECEPTABLES
RECEPTABLES	57	20	1				1	20	58	RECEPTABLES
RECEPTABLES	59	20	1				1	20	60	RECEPTABLES
RECEPTABLES	61	20	1				1	20	62	RECEPTABLES
LIGHTS	63	20	1				1	20	64	LIGHTS
LIGHTS	65	20	1				1	20	66	LIGHTS
LIGHTS	67	20	1				1	20	68	LIGHTS
SPARES	69	20	1				1	20	70	SPARES
	71	20	1				1	20	72	
	73	20	1				1	20	74	
	75	20	1				1	20	76	
	77	20	1				1	20	78	
SPACE ONLY	79						1		80	SPACE ONLY
	81						1		82	
	83						1		84	

TYPE: SQUARE D  
MAINS: 225 AMP, M.L.O. AT TOP  
SYSTEM: 120/208 VOLT, 3Ø, 4W, SN  
FAULT RATING: 10 KAIC  
MISCELLANEOUS: FLUSH MOUNTED, GND. BUS,  
BREAKERS MARKED WITH A SHALL BE PROVIDED W/ LOCK-ON DEVICE

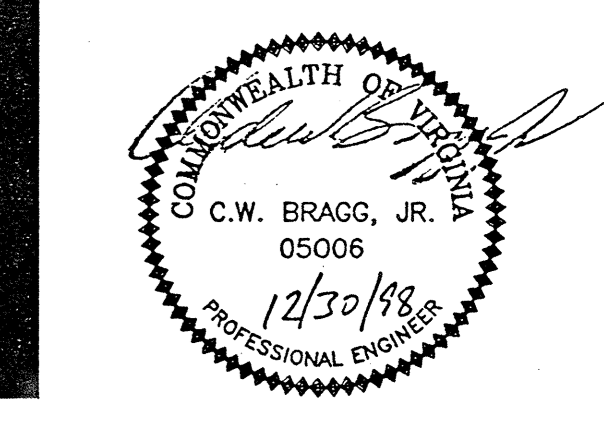
CONNECTED LOAD 30 KVA

DRAWING TITLE  
**ELECTRICAL FIRST FLOOR POWER AND SCHEDULES**

DATE  
03/18/98

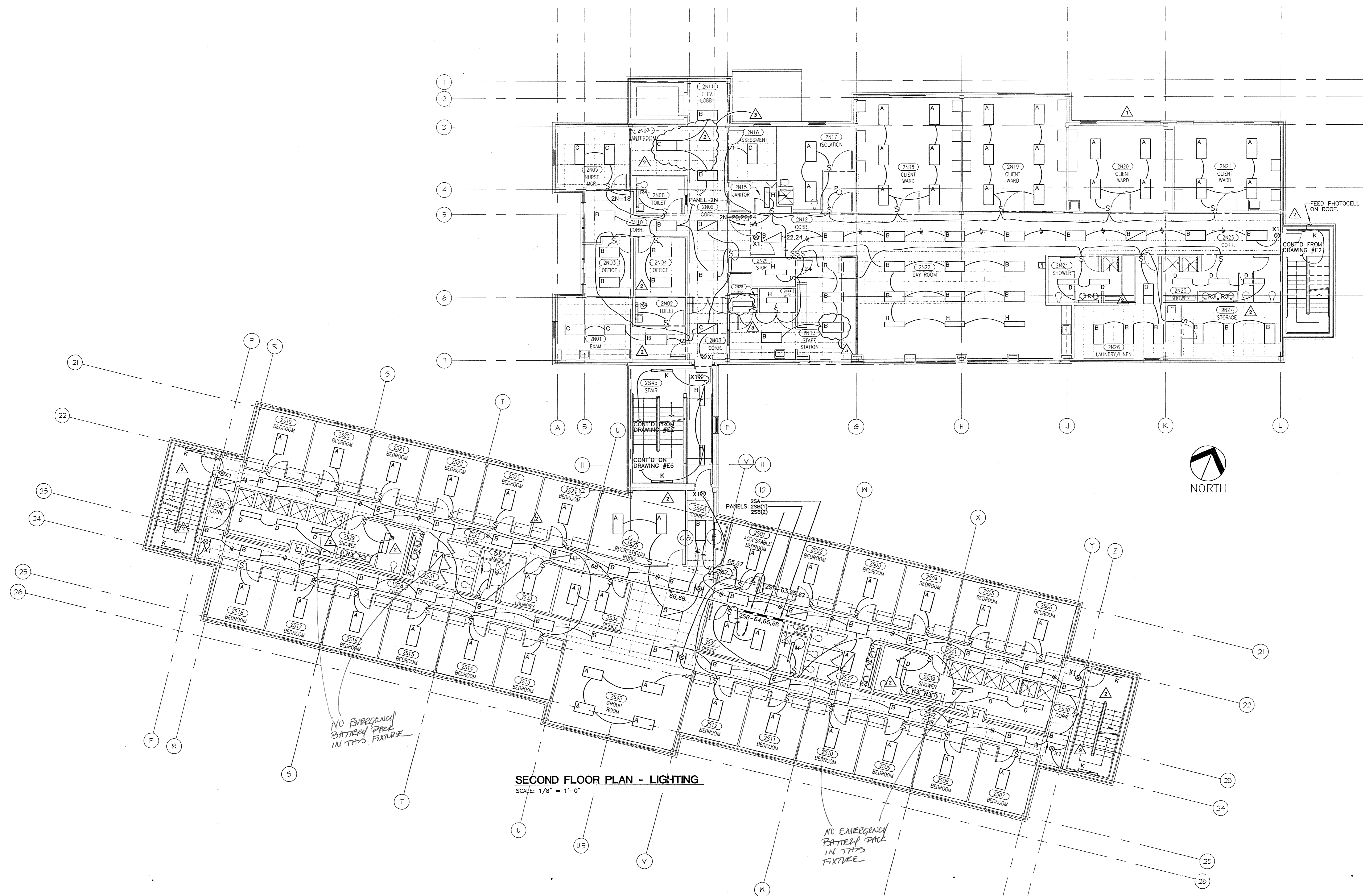
REVISIONS  
 1/12/98 ADD 2  
 1/17/98 ADD 3  
 1/28/98 ADD 4  
 12/28/98

DRAWING NUMBER  
97187



Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

B A S K E R V I L L S O N



**SECOND FLOOR PLAN - LIGHTING**  
SCALE: 1/8" = 1'-0"

FIXTURE AS NOTED  
HAS A EMERGENCY  
~~BATTERY~~ BATTERY  
PACK INSTALLED AND  
IS SWITCHED NOT WIRED  
TO BE ON NIGHT LIGHT  
CIRCUIT. TOTAL OF 4 ON  
THIS SHEET.

DRAWING TITLE  
**ELECTRICAL  
SECOND FLOOR  
LIGHTING**

DATE  
03/18/98

REVISIONS

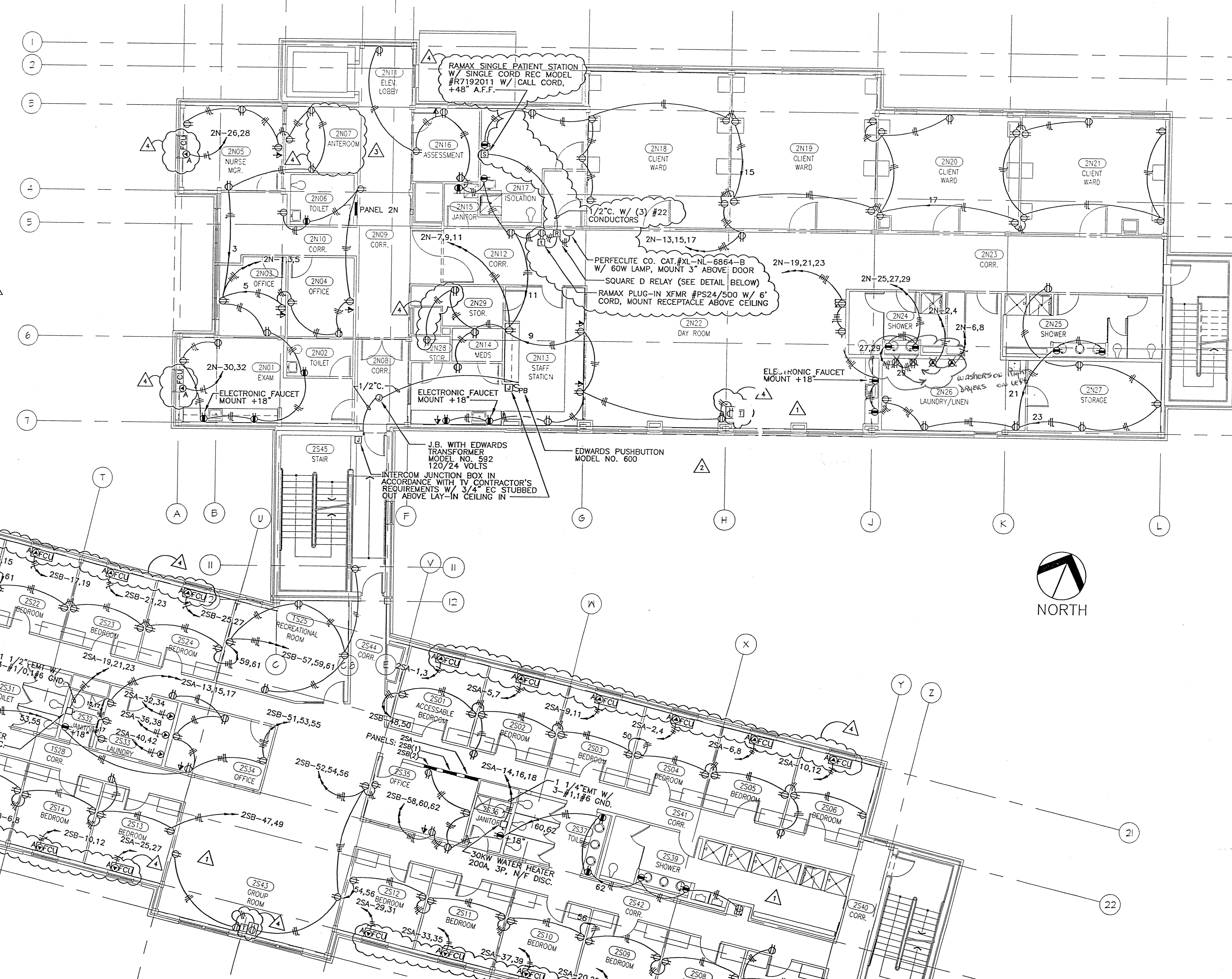
1	4/2/98	ADD
2	7/19/98	CO1
3	12/23/98	X9

DRAWING NUMBER  
97187

PANEL 2N							
DIRECTORY	CKT No.	BREAKER AMP	POLE	A B C	BREAKER POLE AMP	CKT No.	DIRECTORY
RECEPTACLES	1	20	1		2	30	2 DRYER
RECEPTACLES	3	20	1		2	30	6 DRYER
RECEPTACLES	5	20	1				
RECEPTACLES	7	20	1				
RECEPTACLES	9	20	1		1	20	10 RECEPTACLE (THIRD FLOOR)
RECEPTACLES	11	20	1		1	20	12 RECEPTACLE (THIRD FLOOR)
RECEPTACLES	13	20	1		1	20	14 RECEPTACLE (THIRD FLOOR)
RECEPTACLES	15	20	1		1	20	16 LIGHTS (THIRD FLOOR)
RECEPTACLES	17	20	1		1	20	18 LIGHTS (SECOND FLOOR)
RECEPTACLES	19	20	1		1	20	20 LIGHTS (SECOND FLOOR)
RECEPTACLES	21	20	1		1	20	22 LIGHTS (SECOND FLOOR)
RECEPTACLES	23	20	1		1	20	24 LIGHTS (SECOND FLOOR)
RECEPTACLES	25	20	1		2	20	26 FCU-OFFICE
WASHER RECEPTACLE	27	20	1		2	20	28 FCU-OFFICE
WASHER RECEPTACLE	29	20	1		2	20	30 FCU-OFFICE
SPACES ONLY	31	20	1		2	20	32 FCU-OFFICE
SPACES ONLY	33	20	1		1	20	34 SPACE ONLY
SPACES ONLY	35	20	1		1	20	38
SPACES ONLY	37	20	1		1	20	40
SPACES ONLY	39	20	1		1	20	42
SPACES ONLY	41	20	1		1	20	

TYPE: TEXT  
 MAINS: 225 AMP M.L.O. AT BOTTOM  
 SYSTEM: 120/208 VOLT, 3 $\phi$ , 4W, SN  
 FAULT RATING: 10 KAIC  
 MISCELLANEOUS: FLUSH MOUNTED, GND. BUS

CONNECTED LOAD 45 KVA



PANEL 2SA							
DIRECTORY	CKT No.	BREAKER AMP	POLE	A B C	BREAKER POLE AMP	CKT No.	DIRECTORY
FCU	1	15	2		2	15	2 FCU
FCU	3	15	2		2	15	4 FCU
FCU	5	15	2		2	15	6 FCU
FCU	7	15	2		2	15	8 FCU
FCU	9	15	2		2	15	10 FCU
FCU	11	15	2		2	15	12 FCU
WASHER RECEPTACLE	13	20	1		3	110	18 WATER HEATER
WASHER RECEPTACLE	15	20	1				
WASHER RECEPTACLE	17	20	1				
WATER HEATER	19				2	15	20 FCU
WATER HEATER	21	125	3				
FCU	23	15	2		2	15	24 FCU
FCU	25	15	2		2	15	26 FCU
FCU	27	15	2		2	15	28 FCU
FCU	29	15	2		2	15	30 FCU
FCU	31	15	2		2	30	32 DRYER
FCU	33	15	2		2	30	34 DRYER
FCU	35	15	2		2	30	36 DRYER
FCU	37	15	2		2	30	38 DRYER
FCU	39	15	2		2	30	40 DRYER
SPACE	41				2	30	42 DRYER

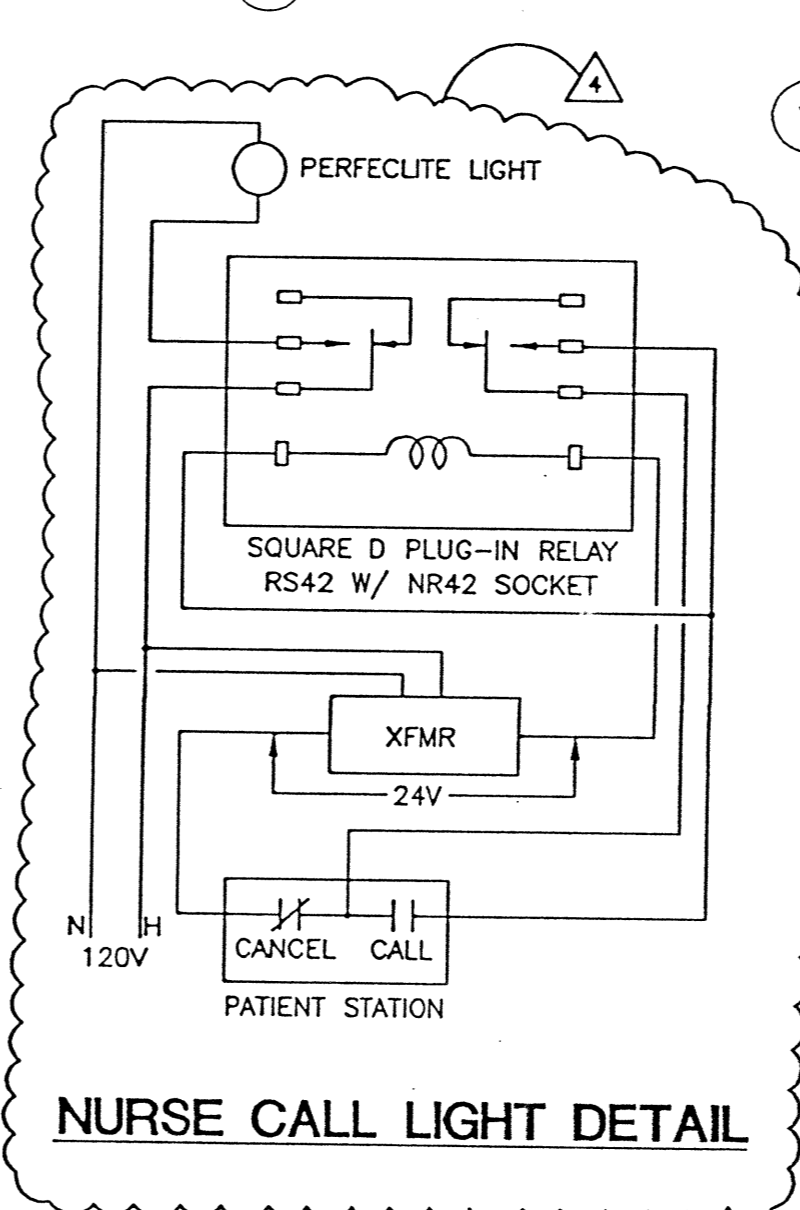
TYPE: SQUARE D  
 MAINS: 400 AMP, M.L.O. AT BOTTOM  
 SYSTEM: 120/208 VOLT, 3 $\phi$ , 4W, SN  
 FAULT RATING: 12 KAIC  
 MISCELLANEOUS: FLUSH MOUNTED, GND. BUS

CONNECTED LOAD 117 KVA

PANEL 2SB (SECTION 1)							
DIRECTORY	CKT No.	BREAKER AMP	POLE	A B C	BREAKER POLE AMP	CKT No.	DIRECTORY
SPACE	1					2	SPACE
SPACE	3					4	SPACE
FCU	5	15	2		2	15	6 FCU
FCU	7	15	2		2	15	8 FCU
FCU	9	15	2		2	15	10 FCU
FCU	11	15	2		2	15	12 FCU
FCU	13	15	2		2	15	14 FCU
FCU	15	15	2		2	15	16 FCU
FCU	17	15	2		2	15	18 FCU
FCU	19	15	2		2	15	20 FCU
FCU	21	15	2		2	15	22 FCU
FCU	23	15	2		2	15	24 FCU
FCU	25	15	2		2	15	26 FCU
FCU	27	15	2		2	15	28 FCU
FCU	29	15	2		2	15	30 FCU
FCU	31	15	2		2	15	32 FCU
FCU	33	15	2		2	15	34 FCU
FCU	35	15	2		2	15	36 FCU
FCU	37	15	2		2	15	38 FCU
FCU	39	15	2		2	15	40 FCU
SPACE	41				2	15	42 FCU

TYPE: SQUARE D  
 MAINS: 225 AMP, M.L.O. AT BOTTOM, FEED THRU LUGS ON TOP  
 SYSTEM: 120/208 VOLT, 3 $\phi$ , 4W, SN  
 FAULT RATING: 10 KAIC  
 MISCELLANEOUS: FLUSH MOUNTED, GND. BUS

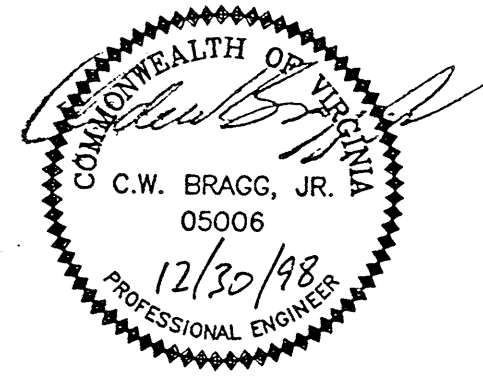
CONNECTED LOAD 24 KVA



PANEL 2SB (SECTION 2)							
DIRECTORY	CKT No.	BREAKER AMP	POLE	A B C	BREAKER POLE AMP	CKT No.	DIRECTORY
SMOKE DETECTORS	43	20	1		1	20	44 SMOKE DETECTORS
SMOKE DETECTORS	45	20	1		1	20	46 SMOKE DETECTORS
RECEPTACLES	47	20	1		1	20	48 RECEPTACLES
RECEPTACLES	49	20	1		1	20	50 RECEPTACLES
RECEPTACLES	51	20	1		1	20	52 RECEPTACLES
RECEPTACLES	53	20	1		1	20	54 RECEPTACLES
RECEPTACLES	55	20	1		1	20	56 RECEPTACLES
RECEPTACLES	57	20	1		1	20	58 RECEPTACLES
RECEPTACLES	59	20	1		1	20	60 RECEPTACLES
RECEPTACLES	61	20	1		1	20	62 RECEPTACLES
RECEPTACLES	63	20	1		1	20	64 RECEPTACLES
LIGHTS	65	20	1		1	20	66 LIGHTS
LIGHTS	67	20	1		1	20	68 LIGHTS
SPARES	69	20	1		1	20	70 SPARES
SPARES	71	20	1		1	20	72 SPARES
SPARES	73	20	1		1	20	74 SPARES
SPARES	75	20	1		1	20	76 SPARES
SPARES	77	20	1		1	20	78 SPARES
SPACE ONLY	79				1		80 SPACE ONLY
SPACE ONLY	81				1		82 SPACE ONLY
SPACE ONLY	83				1		84 SPACE ONLY

TYPE: SQUARE D  
 MAINS: 225 AMP, M.L.O. AT TOP  
 SYSTEM: 120/208 VOLT, 3 $\phi$ , 4W, SN  
 FAULT RATING: 10 KAIC  
 MISCELLANEOUS: FLUSH MOUNTED, GND. BUS  
 BREAKERS MARKED WITH A  $\blacktriangle$  SHALL BE PROVIDED W/ LOCK-ON DEVICE

CONNECTED LOAD 30 KVA

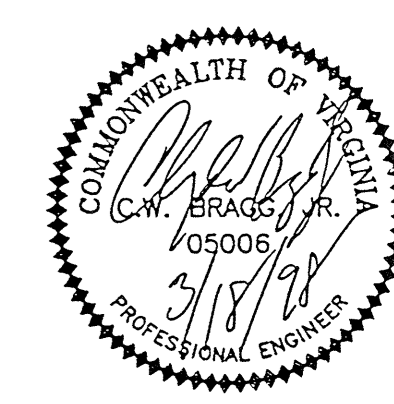


Architects and Engineers  
 114 Virginia Street, P.O. Box 400  
 Richmond, Virginia 23218-0400  
 (804) 343-1010

DRAWING TITLE  
**ELECTRICAL SECOND FLOOR POWER AND SCHEDULES**  
 DATE  
 03/18/98

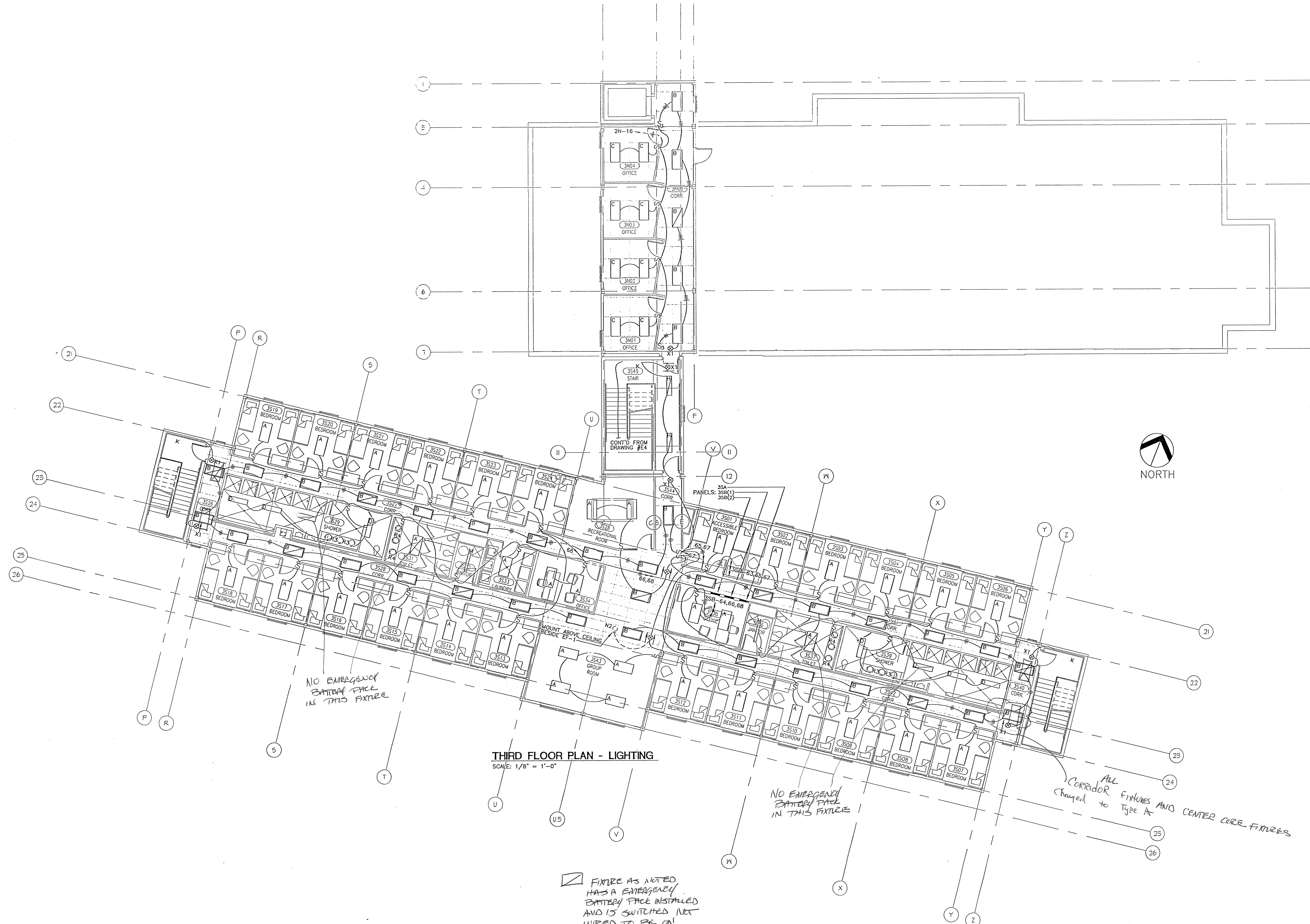
REVISIONS  
 4/2/98 ADD 2  
 4/2/98 ADD 3  
 7/8/98 CDR  
 12/28/98-XZ

DRAWING NUMBER  
 97187



Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

B A S K E R V I L L E S O N



THIRD FLOOR PLAN - LIGHTING  
SCALE: 1/8" = 1'-0"

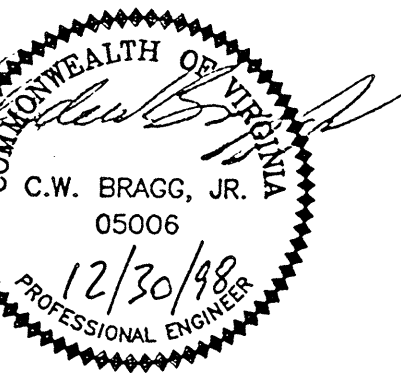
Inc:\97187\ACAD\SELECT\97187\FB 14.25.14.03\97187 E.DI

DRAWING TITLE  
ELECTRICAL  
THIRD FLOOR  
LIGHTING

DATE  
03/18/98

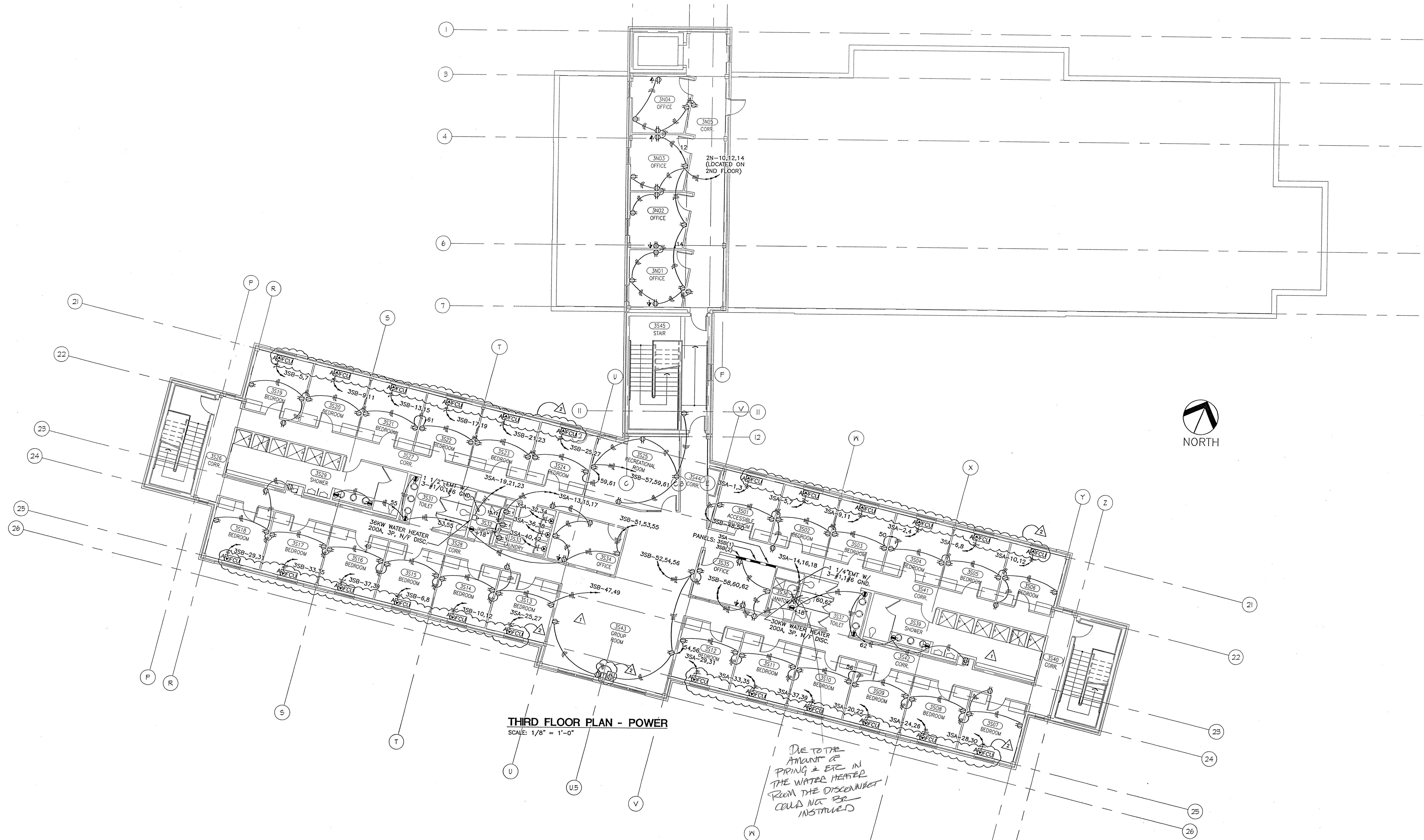
REVISIONS

DRAWING NUMBER  
97187



**Architects and Engineers**  
 114 Virginia Street, P.O. Box 400  
 Richmond, Virginia 23218-0400  
 (804) 343-1010

B A S K E R V I L L S O N



**THIRD FLOOR PLAN - POWER**  
 SCALE: 1/8" = 1'-0"

*Due to the amount of piping & etc in the water heater room the disconnect could not be installed*

**PANEL 3SA**

DIRECTORY	CKT No.	BREAKER AMP	POLE	A	B	C	DIRECTORY
FCU	1	15	2				
FCU	3	15	2				
FCU	5	15	2				
FCU	7	15	2				
FCU	9	15	2				
WASHER RECEPTACLE	11	20	1				
WASHER RECEPTACLE	13	20	1				
WASHER RECEPTACLE	15	20	1				
WASHER RECEPTACLE	17	20	1				
WATER HEATER	19	125	3				
FCU	21	15	2				
FCU	23	15	2				
FCU	25	15	2				
FCU	27	15	2				
FCU	29	15	2				
FCU	31	15	2				
FCU	33	15	2				
FCU	35	15	2				
FCU	37	15	2				
SPACE	39						
SPACE	41						

TYPE: SQUARE D  
 MAINS: 400 AMP, M.L.O. AT BOTTOM  
 SYSTEM: 120/208 VOLT, 3φ, 4W, SN  
 FAULT RATING: 11 KAIC  
 MISCELLANEOUS: FLUSH MOUNTED, GND. BUS

CONNECTED LOAD 117 KVA

**PANEL 3SB (SECTION 1)**

DIRECTORY	CKT No.	BREAKER AMP	POLE	A	B	C	DIRECTORY
SPACE ONLY	1						
SPACE ONLY	3						
FCU	5	15	2				
FCU	7	15	2				
FCU	9	15	2				
FCU	11	15	2				
FCU	13	15	2				
FCU	15	15	2				
FCU	17	15	2				
FCU	19	15	2				
FCU	21	15	2				
FCU	23	15	2				
FCU	25	15	2				
FCU	27	15	2				
FCU	29	15	2				
FCU	31	15	2				
FCU	33	15	2				
FCU	35	15	2				
FCU	37	15	2				
FCU	39	15	2				
SPACE	41						

TYPE: SQUARE D  
 MAINS: 225 AMP, M.L.O. AT BOTTOM, FEED THRU LUGS ON TOP  
 SYSTEM: 120/208 VOLT, 3φ, 4W, SN  
 FAULT RATING: 10 KAIC  
 MISCELLANEOUS: FLUSH MOUNTED, GND. BUS

CONNECTED LOAD 25 KVA

**PANEL 3SB (SECTION 2)**

DIRECTORY	CKT No.	BREAKER AMP	POLE	A	B	C	DIRECTORY
SMOKE DETECTORS	43	20	1				
SMOKE DETECTORS	45	20	1				
RECEPTACLES	47	20	1				
RECEPTACLES	49	20	1				
RECEPTACLES	51	20	1				
RECEPTACLES	53	20	1				
RECEPTACLES	55	20	1				
RECEPTACLES	57	20	1				
RECEPTACLES	59	20	1				
RECEPTACLES	61	20	1				
LIGHTS	63	20	1				
LIGHTS	65	20	1				
LIGHTS	67	20	1				
SPARES	69	20	1				
SPARES	71	20	1				
SPARES	73	20	1				
SPARES	75	20	1				
SPACE ONLY	77	20	1				
SPACE ONLY	79	20	1				
SPACE ONLY	81	20	1				
SPACE ONLY	83	20	1				

TYPE: SQUARE D  
 MAINS: 225 AMP, M.L.O. AT TOP  
 SYSTEM: 120/208 VOLT, 3φ, 4W, SN  
 FAULT RATING: 10 KAIC  
 MISCELLANEOUS: FLUSH MOUNTED, GND. BUS

CONNECTED LOAD 30 KVA

BREAKERS MARKED WITH ▲ SHALL BE PROVIDED W/ LOCK-ON DEVICE

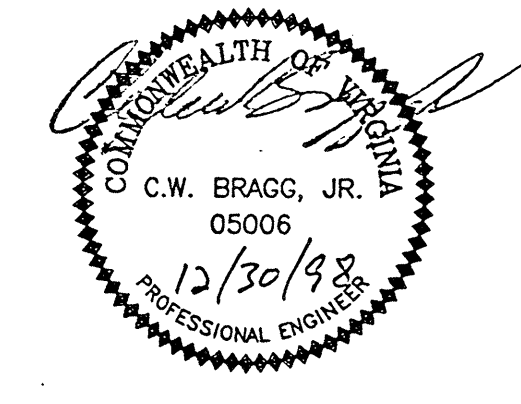
DRAWING TITLE  
**ELECTRICAL THIRD FLOOR POWER AND SCHEDULES**

DATE  
**03/18/98**

REVISIONS  
 ▲ 4/2/98 ADD 2  
 ▲ 12/29/98-39

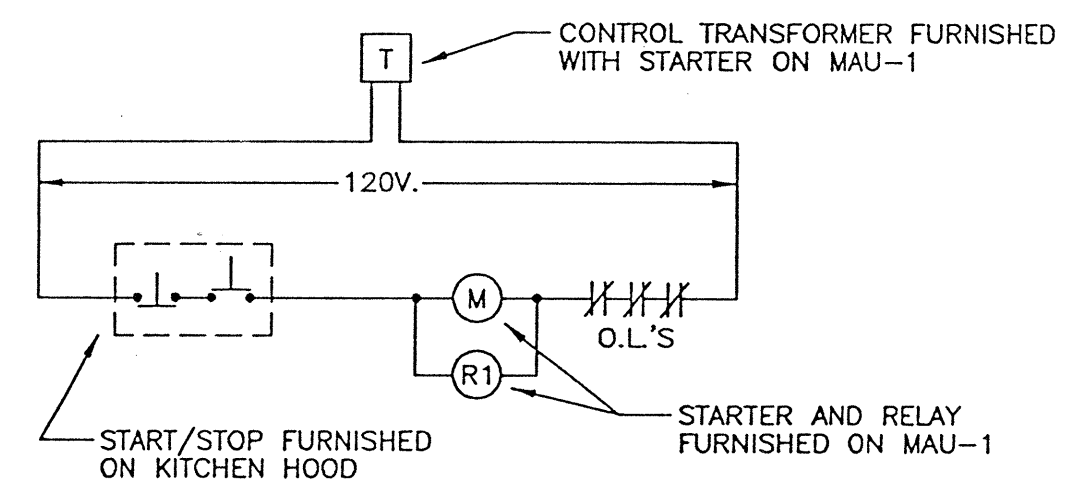
DRAWING NUMBER  
**97187**

J:\Projects\1987\12\20\98\122098.dwg 15:24:05 12/20/98 mss

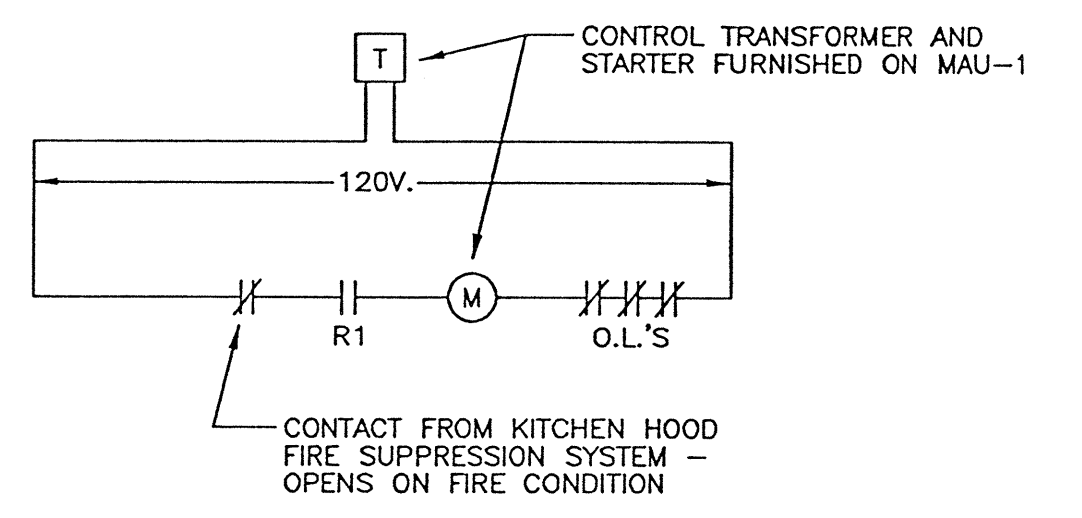


Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

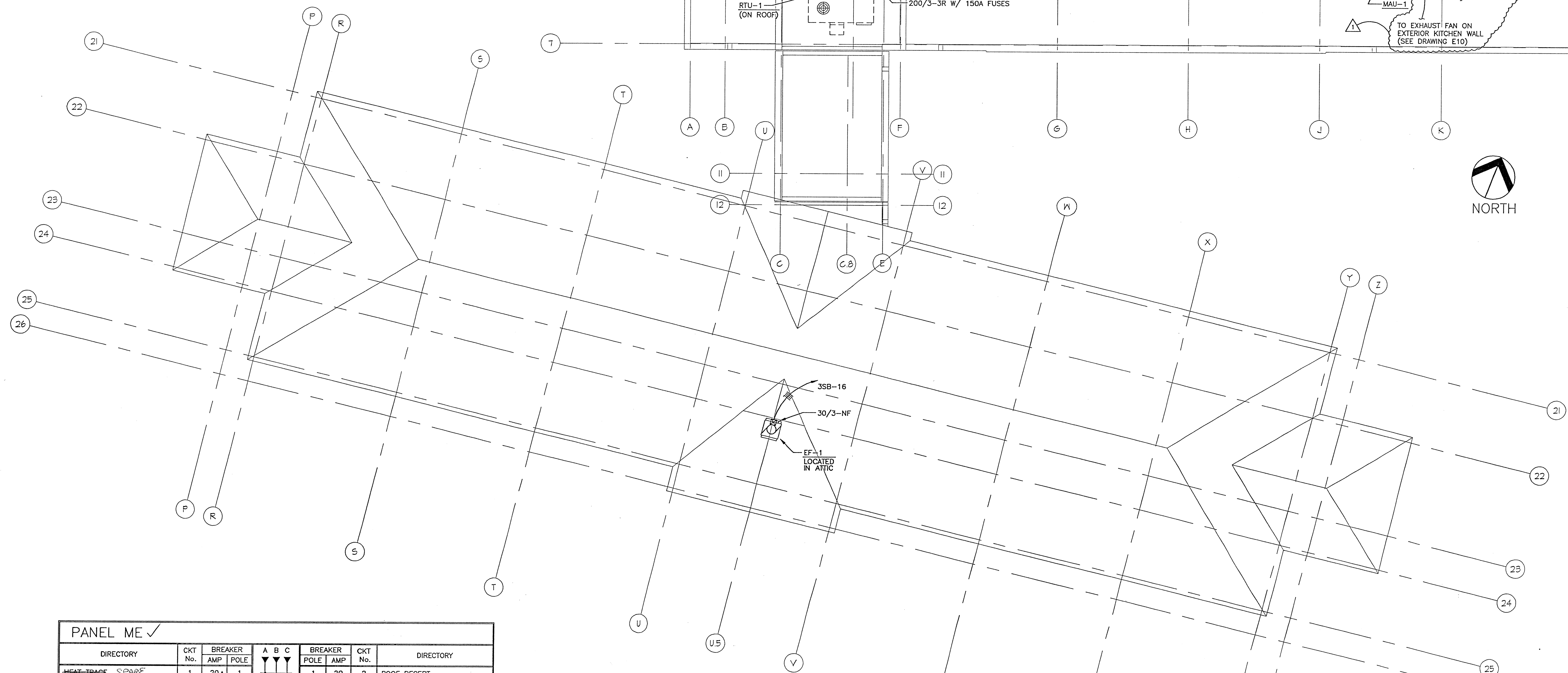
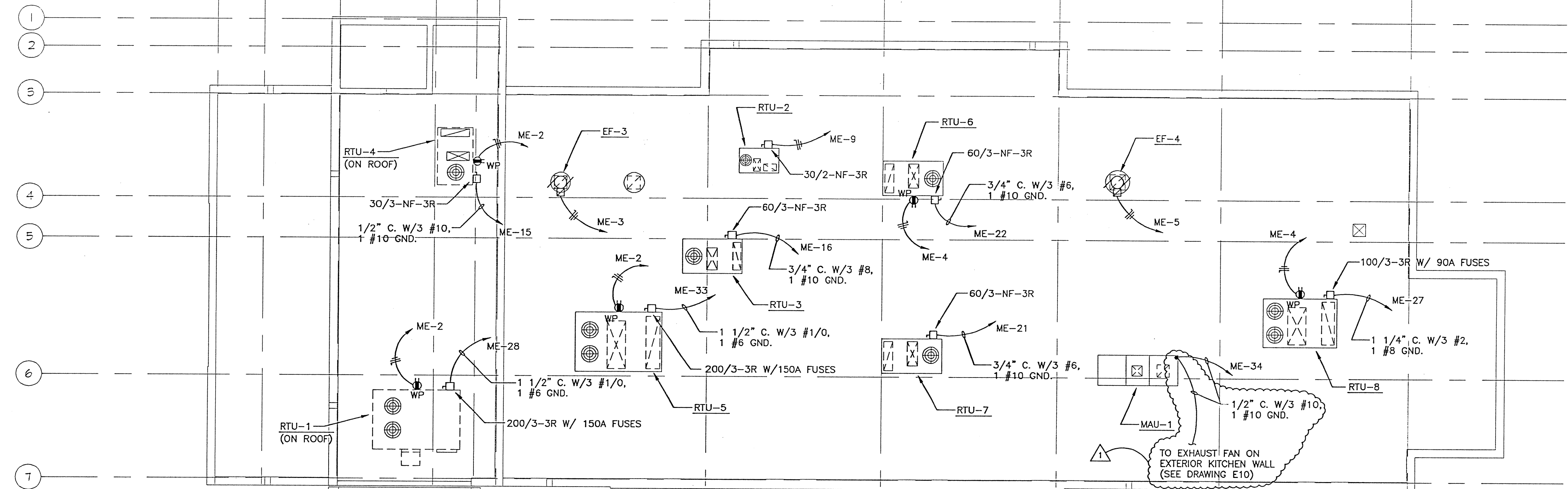
B A S K E R V I L L S O N



**MAU-1 EXHAUST FAN**  
NO SCALE



**MAU-1 MAKE-UP AIR FAN**  
NO SCALE



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

PANEL ME ✓		BREAKER		CIRCUIT		DIRECTORY	
DIRECTORY	CKT No.	AMP	POLE	A	B	C	DIRECTORY
HEAT-TRACE SPARE	1	20	1	▲			2 ROOF RECEPT.
EF-3	3	20	1				4 ROOF RECEPT.
EF-4	5	20	1				6 SITE LIGHTS
SPARE	7	20	1				8 SITE LIGHTS
RTU-2	9	20	2				10 PUMP, GWH-1,2
	11						12 SPARE
	13						14
RTU-4	15	25	3				16 RTU-3
	17						18
	19						20
RTU-7	21	50	3				22 RTU-6
	23						24
	25						26
RTU-8	27	90	3				28 RTU-1 MAU-1
	29						30
	31						32
RTU-5	33	150	3				34 MAU-1 GENERATOR
	35						36 LOAD CENTER
SPACE ONLY RTU-5	37						38 SPACE ONLY
	39	150	1				40 GENERATOR-LOAD CENTER MAU-1
	41						42

TYPE: SQUARE D  
MAINS: 600 AMP, M.L.O. AT TOP  
SYSTEM: 120/208 VOLT, 3φ, 4W, SN  
FAULT RATING: 36 KVIC  
MISCELLANEOUS: SURFACE MOUNTED, GND. BUS,

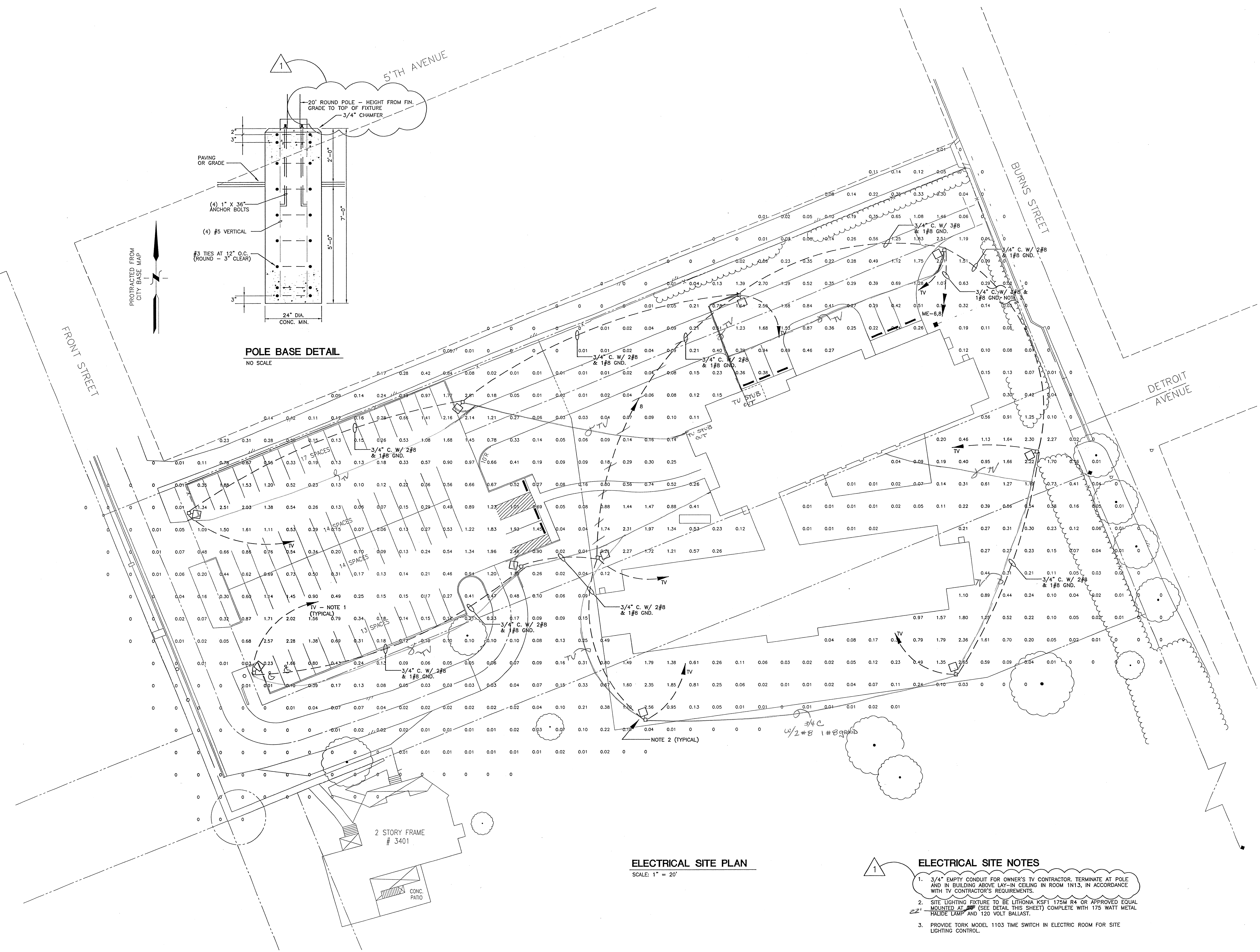
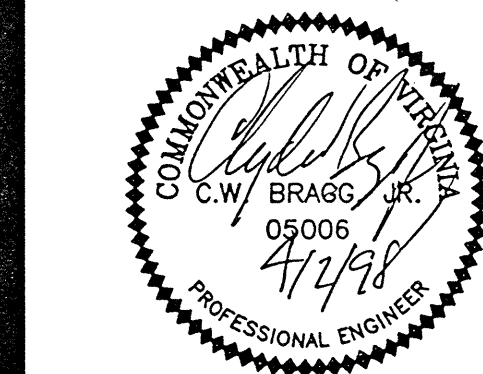
CONNECTED LOAD 167 KVA  
\* HACR BREAKER  
▲ 30 MA GFI BREAKER

DRAWING TITLE  
**ELECTRICAL ROOF TOP EQUIPMENT AND SCHEDULE**

DATE  
03/18/98

REVISIONS  
▲ 12/29/98-38

DRAWING NUMBER  
97187



**POLE BASE DETAIL**  
 NO SCALE

**ELECTRICAL SITE PLAN**  
 SCALE: 1" = 20'

- ELECTRICAL SITE NOTES**
- 3/4" EMPTY CONDUIT FOR OWNER'S TV CONTRACTOR. TERMINATE AT POLE AND IN BUILDING ABOVE LAY-IN CEILING IN ROOM 1N13, IN ACCORDANCE WITH TV CONTRACTOR'S REQUIREMENTS.
  - SITE LIGHTING FIXTURE TO BE LITHONIA KSF1 175M R4 OR APPROVED EQUAL MOUNTED AT 22' (SEE DETAIL THIS SHEET) COMPLETE WITH 175 WATT METAL HALIDE LAMP AND 120 VOLT BALLAST.
  - PROVIDE TORK MODEL 1103 TIME SWITCH IN ELECTRIC ROOM FOR SITE LIGHTING CONTROL.

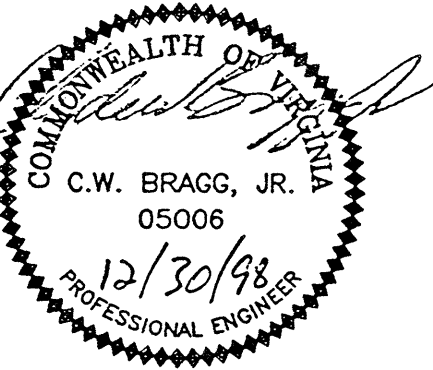
DRAWING TITLE  
**ELECTRICAL SITE PLAN**

DATE  
**03/18/98**

REVISIONS  
 4/2/98 ADD 2

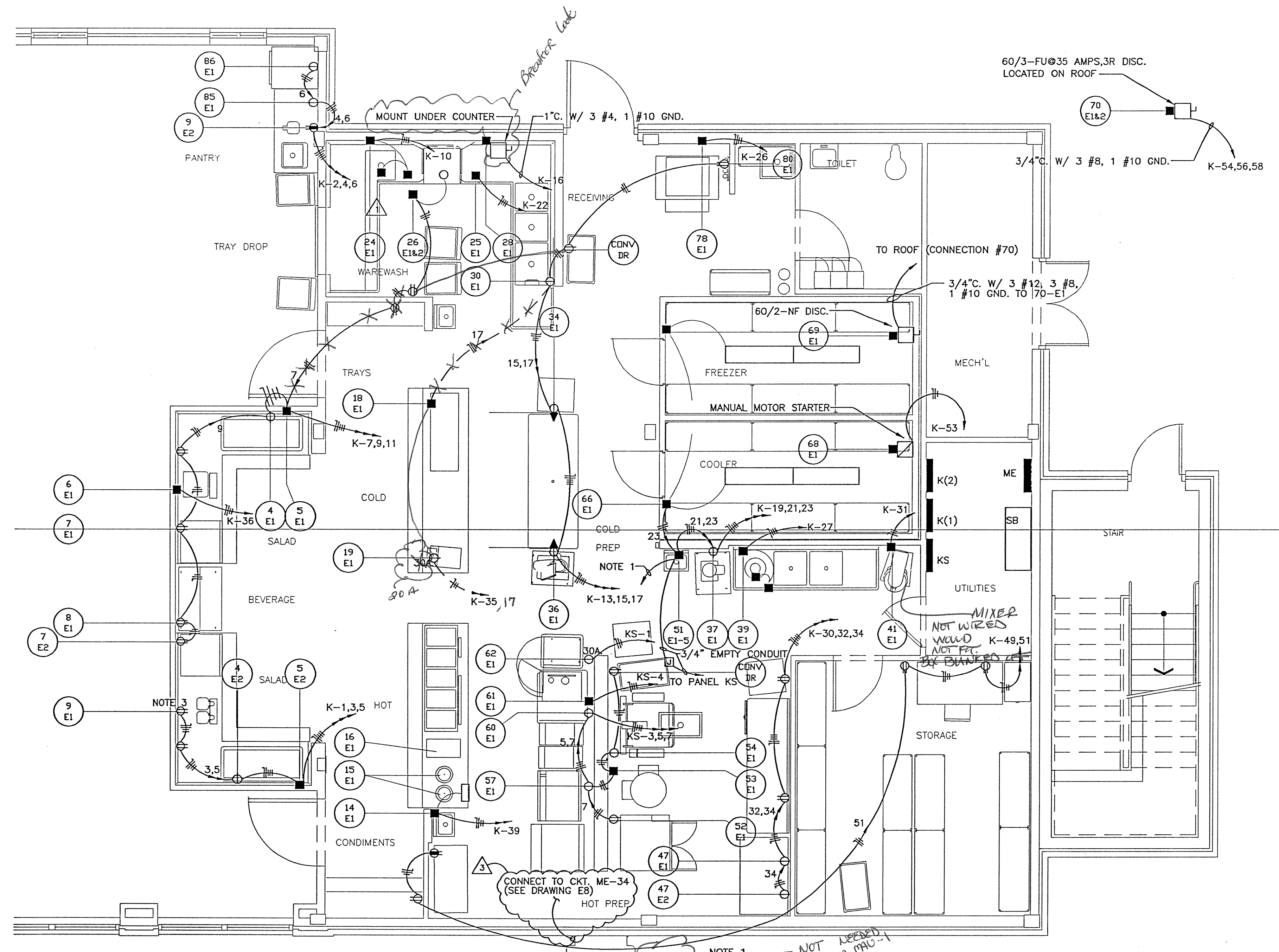
DRAWING NUMBER  
**97187**





Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010

B A S K E R V I L L I S O N



### KITCHEN LEGEND

SYMBOLS

- UN+ UNLESS OTHERWISE NOTED
- UB+ STUB-UP OUT OF FLOOR
- + DISTANCE ABOVE FINISHED FLOOR
- DN+ DISTANCE DOWN TO A.F.F.
- KEC KITCHEN EQUIPMENT CONTRACTOR
- BTC BRANCH TO CONNECTION POINT(S)
- V VOLTS
- β PHASE
- A AMPS
- KW KILOWATTS
- HP HORSEPOWER
- EC EQUIPMENT CONNECTION
- EC (OPEN) EQUIPMENT CONNECTION BY KEC
- DR DUPLX RECEPTACLE (120v 5.0A +48", OUN)
- SR SINGLE RECEPTACLE
- DR DUPLX GFI RECEPTACLE (120v 5.0A +48", OUN)
- JB JUNCTION BOX (WIRING CONTINUES TO ANOTHER LOCATION)
- HOOD MOUNTED LIGHT
- ⊆ SWITCH
- ▲ SPECIAL CONNECTION AS NOTED

4" FLUORESCENT LIGHT FURNISHED WITH WALK-IN COOLER/FREEZER

### PANEL K (SECTION 1)

DIRECTORY	CKT No.	BREAKER AMP POLE	A B C	BREAKER POLE AMP	CKT No.	DIRECTORY
PAN. BREATH GUARD-SALAD	1	20 1	✓	1 20 2	2	COFFEE WARMER
COFFEE WARMER, REC	3	20 1	✓	1 20 4	4	MICROWAVE OVEN
COFFEE WARMER	5	20 1	✓	1 20 6	6	PANTRY REFRIGERATOR
STEAM HOOD-REC HEAT TRAC	7	20 1	✓		8	
BEV DISP., MILK COOLER, REC	9	20 1	✓	3 30 10	10	DISPOSER AND CONTROL
PAN. BREATH GUARD-SALAD	11	20 1	✓		12	
SLICER, COLD PREP TABLE	13	20 1	✓		14	
RECIRC., H2O FILTR. SYS., REC	15	20 1	✓	3 60 16	16	BOOSTER HEATER
COLD FOOD COUNTER	17	20 1	✓		18	
FOOD PROCESSOR	19	20 1	✓		20	
FIRE SUPPRESSION SYSTEM	21	20 1	✓	3 30 22	22	WARE WASHER
TWO COMPARTMENT WALK-IN	23	15 1	✓		24	
	25	20 1	✓	2 20*	26	ICE MACHINE
PREP DISPOSER	27	20 3	✓		28	
	29		✓	1 20 30	30	RECEPTABLES
MIXER	31	15 2	✓	1 20 32	32	REFRIGERATOR/FREEZER
	33		✓	1 20 34	34	REFRIGERATOR/FREEZER
CONVEYOR TOASTER	35	30 2	✓	2 40 36	36	COFFEE MAKER
	37		✓		38	
HOT FOOD COUNTER	39	60 2	✓	1 - 40	40	SPARE
	41		✓	1 - 42	42	SPARE

TYPE: SQUARE D  
MANS: 400 AMP, M.L.O. AT TOP, FEED THRU LUGS AT BOTTOM  
SYSTEM: 120/208 VOLT, 3φ, 4W, SN  
FAULT RATING: 31 KAIC  
CONNECTED LOAD 70 KVA  
MISCELLANEOUS: SURFACE MOUNTED, GND. BUS  
BREAKERS MARKED WITH A \* SHALL BE HACR TYPE  
BREAKERS MARKED WITH A ▲ SHALL BE PROVIDED W/ LOCK-ON DEVICE

### PANEL K (SECTION 2)

DIRECTORY	CKT No.	BREAKER AMP POLE	A B C	BREAKER POLE AMP	CKT No.	DIRECTORY
STAIRWELL HEATER	43	30 2	✓	1 20A 44	44	TELEPHONE BOARD REPT
			✓	1 20 46	46	RECP. DRY PIPE AIR COMP.
EXHAUST HOOD- SPARE	47	20 1	✓	1 20 48	48	LIGHTS
RECP.	49	20 1	✓	1 20 50	50	LIGHTS
RECP.	51	20 1	✓	1 20 52	52	LIGHTS
COOLER COIL	53	20 1	✓		54	
PANEL KS (SHUNT TRIP BKR)	57	60 3	✓	3 40 56	56	REMOTE REFRIG. UNIT
	59		✓	1 20 60	60	BACKFLOW VAULT CIRCUIT
SPACE ONLY	61	20 1	✓	1 20 62	62	SPARE
	63	- 1	✓	1 20 64	64	
	65	- 1	✓	1 20 66	66	
	67	- 1	✓	1 - 68	68	SPACE ONLY
	69	- 1	✓	1 - 70	70	
	71	- 1	✓	1 - 72	72	
	73	- 1	✓	1 - 74	74	
	75	- 1	✓	1 - 76	76	
	77	- 1	✓	1 - 78	78	
	79	- 1	✓	1 - 80	80	
	81	- 1	✓	1 - 82	82	
	83	- 1	✓	1 - 84	84	

TYPE: SQUARE D  
MANS: 400 AMP M.L.O. AT BOTTOM  
SYSTEM: 120/208 VOLT, 3φ, 4W, SN  
FAULT RATING: 31 KAIC  
CONNECTED LOAD 30 KVA  
MISCELLANEOUS: SURFACE MOUNTED, GND. BUS  
BREAKERS MARKED WITH A \* SHALL BE PROVIDED W/ LOCK-ON DEVICE

### PANEL KS

DIRECTORY	CKT No.	BREAKER AMP POLE	A B C	BREAKER POLE AMP	CKT No.	DIRECTORY
HOT FOOD CABINET	1	30 1	✓		2	TABLETOP STEAMER
FRY FILTER	3	20 1	✓	3 20 4	4	TABLETOP STEAMER
GRIDDLE KETTLE BRASING PAN	5	20 1	✓		6	
CONVECTION OVEN	7	20 1	✓	1 30 8	8	HOOD LIGHTS
SPARES	9	20 1	✓	1 20 10	10	SPARES
	11	20 1	✓	1 20 12	12	
SPACE ONLY	13	- 1	✓	1 - 14	14	SPACE ONLY
	15	- 1	✓	1 - 16	16	
	17	- 1	✓	1 - 18	18	

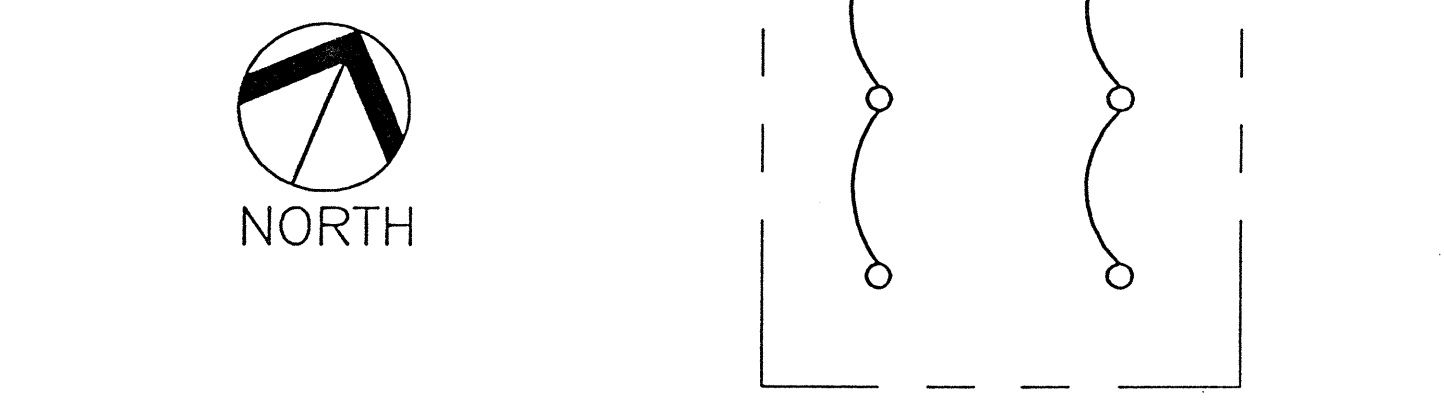
TYPE: SQUARE D  
MANS: 100A MLO AT TOP  
SYSTEM: 120/208 VOLT, 3φ, 4W, SN  
FAULT RATING: 14 KAIC  
CONNECTED LOAD 13 KVA  
MISCELLANEOUS: SURFACE MOUNTED, GND. BUS

### ELECTRICAL CONNECTION SCHEDULE

CONNECTION NUMBER	DESCRIPTION	CONN TYPE	VOLTS	PH	WIRE	CONN HEIGHT	COMMENT
4-E1	REFRIGERATED PAN	SR	120	1	2	+30"	THRU COUNTER
4-E2	REFRIGERATED PAN	SR	120	1	2	+30"	THRU COUNTER
5-E1	BREATH GUARD - SALAD	EC	120	1	2	+30"	THRU COUNTER
5-E2	BREATH GUARD - SALAD	EC	120	1	2	+30"	THRU COUNTER
6-E1	COFFEE MAKER	EC	120/208	1	2	+48"	
7-E1	ICE & BEVERAGE DISPENSER	DR	120	1	2	+48"	
7-E2	ICE & BEVERAGE DISPENSER	DR	120	1	2	+48"	
8-E1	MILK COOLER	DR	120	1	2	+48"	
9-E1	COFFEE WARMER	DR	120	1	2	+48"	
9-E2	COFFEE WARMER	DR	120	1	2	+48"	
14-E1	HOT FOOD COUNTER	EC	120/208	1	3	+12"	SUB-PANEL IN COUNTER
15-E1	SOUP WARMER	JB	120	1	2	+30"	POWER FROM 14-E1, 2 UNITS
16-E1	INFRARED WARMER	DR	120	1	2	+30"	POWER FROM 14-E1
18-E1	COLD FOOD COUNTER	EC	120	1	2	UP+8"	COND UNIT & CASE LIGHTS, UNDERGROUND FEED
19-E1	CONVEYOR TOASTER	SR	208	1	2	UP+30"	OUTLET IN COUNTER, T14, UNDERGROUND FEED
24-E1	DISPOSER & CONTROL	EC	208	3	3	+24"	THRU CONTROL & SOLENOID
25-E1	WAREWASHER	EC	208	3	3	+20"	TANK HEAT & PUMPS
26-E1	STEAM HOOD	EC	120	1	2	DN+104"	LIGHTS, FROM WALL SW
26-E2	STEAM HOOD	JB	120	1	2	DN+104"	PROVIDE CONNECTION TO FAN STARTER
28-E1	BOOSTER HEATER	EC	208	3	3	+12"	
30-E1	REGULULATOR	SR	120	1	2	+18"	
34-E1	COLD PREP TABLE	SR	120	1	2	DN+72"	DROP CORD FROM CLG
36-E1	SLICER	SR	120	1	2	DN+72"	DROP CORD FROM CLG
37-E1	FOOD PROCESSOR	SR	120	1	2	+48"	
39-E1	PREP DISPOSER	EC	208	3	3	+24"	BTC THRU CNTRL & SOLENOID
41-E1	MIXER	EC	208	1	2	+48"	VERIFY CONNECTION
47-E1	REFRIGERATOR/FREEZER	SR	120	1	2	+90"	38 SECTION
47-E2	REFRIGERATOR/FREEZER	SR	120	1	2	+90"	0 SECTION
50-E1	EXHAUST HOOD	EC	120	1	2	DN+110"	LIGHTS, THRU HOOD SW
50-E2	EXHAUST HOOD	JB	120	1	2	DN+110"	EXH & M/J FANS STARTERS TO 51-E5 FROM DETECTORS
51-E1	FIRE SUPPRESSION SYSTEM	EC	120	1	2	+96"	24 HOUR CKT
51-E2	FIRE SUPPRESSION SYSTEM	EC	120	1	2	+96"	TO EXH & M/J FANS STARTER
51-E3	FIRE SUPPRESSION SYSTEM	JB	120	1	2	+96"	TO GAS VALVE & SHUNT BKRS
51-E4	FIRE SUPPRESSION SYSTEM	JB	120	1	2	+96"	TO BLDG FIRE SYSTEM ANNC
51-E5	FIRE SUPPRESSION SYSTEM	EC	120	1	2	+96"	TO HOOD DETECTORS
52-E1	CONVECTION OVEN	DR	120	1	2	+48"	
53-E1	25 GALLON KETTLE	EC	120	1	2	+15"	CONTROLS
54-E1	TILTING BRASING PAN	SR	120	1	2	+24"	CONTROLS
57-E1	GRIDDLE AND STAND	SR	120	1	2	+24"	
60-E1	FRY FILTER	SR	120	1	2	+48"	
61-E1	TABLETOP STEAMER	EC	208	3	3	+42"	
62-E1	HOT FOOD CABINET	SR	120	1	2	+48"	
66-E1	TWO COMPARTMENT WALK-IN	EC	120	1	2	DN+108"	DOORS & LIGHTS
68-E1	COOLER COIL	EC	120	1	2	DN+84"	
69-E1	FREEZER COIL	JB	208	1	5	DN+84"	POWER FROM 70-E2
70-E1	REMOTE REFRIGERATION UNIT	EC	208	3	3	+72"	LOCATION BY MECH ENGR
70-E2	REMOTE REFRIGERATION UNIT	JB	208	1	2	+72"	POWER & CNTRL TO 69-E1
78-E1	ICE MACHINE	EC	120/208	1	3	+93"	
80-E1	WATER FILTRATION SYSTEM	DR	120	1	2	+84"	ALARM
85-E1	MICROWAVE OVEN	SR	120	1	2	+72"	
86-E1	PANTRY REFRIGERATOR	SR	120	1	2	+90"	

### ELECTRICAL KITCHEN EQUIPMENT

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



### KITCHEN PLAN NOTES

VERIFY ALL CONTROL WIRING W/ APPROVED SHOP DRAWINGS.

NOTE 1: RUN 3/4" EMPTY CONDUIT TO EXHAUST AND M/J FAN STARTERS.

NOTE 2: RUN 3/4" EMPTY CONDUIT TO 51(E1-5).

NOTE 3: SPLIT WIRE-TOP HALF OF DUPLX RECEPT SHALL BE ON ONE ONE CIRCUIT AND BOTTOM SHOULD BE ON THE OTHER CIRCUIT.

B:\Rubicon\12187\12187.DWG 16:36:20 12/29/98 ems

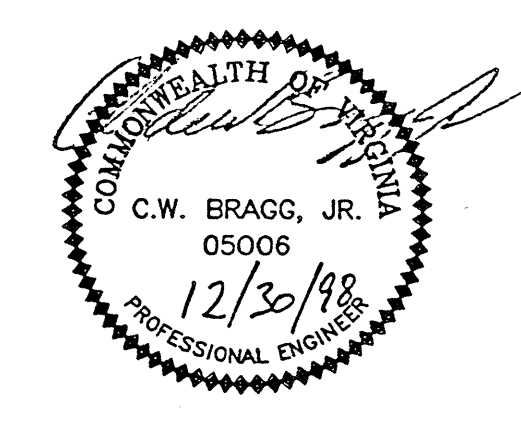
### ELECTRICAL KITCHEN EQUIPMENT, SCHEDULES, NOTES AND LEGEND

DATE  
03/18/98

REVISIONS

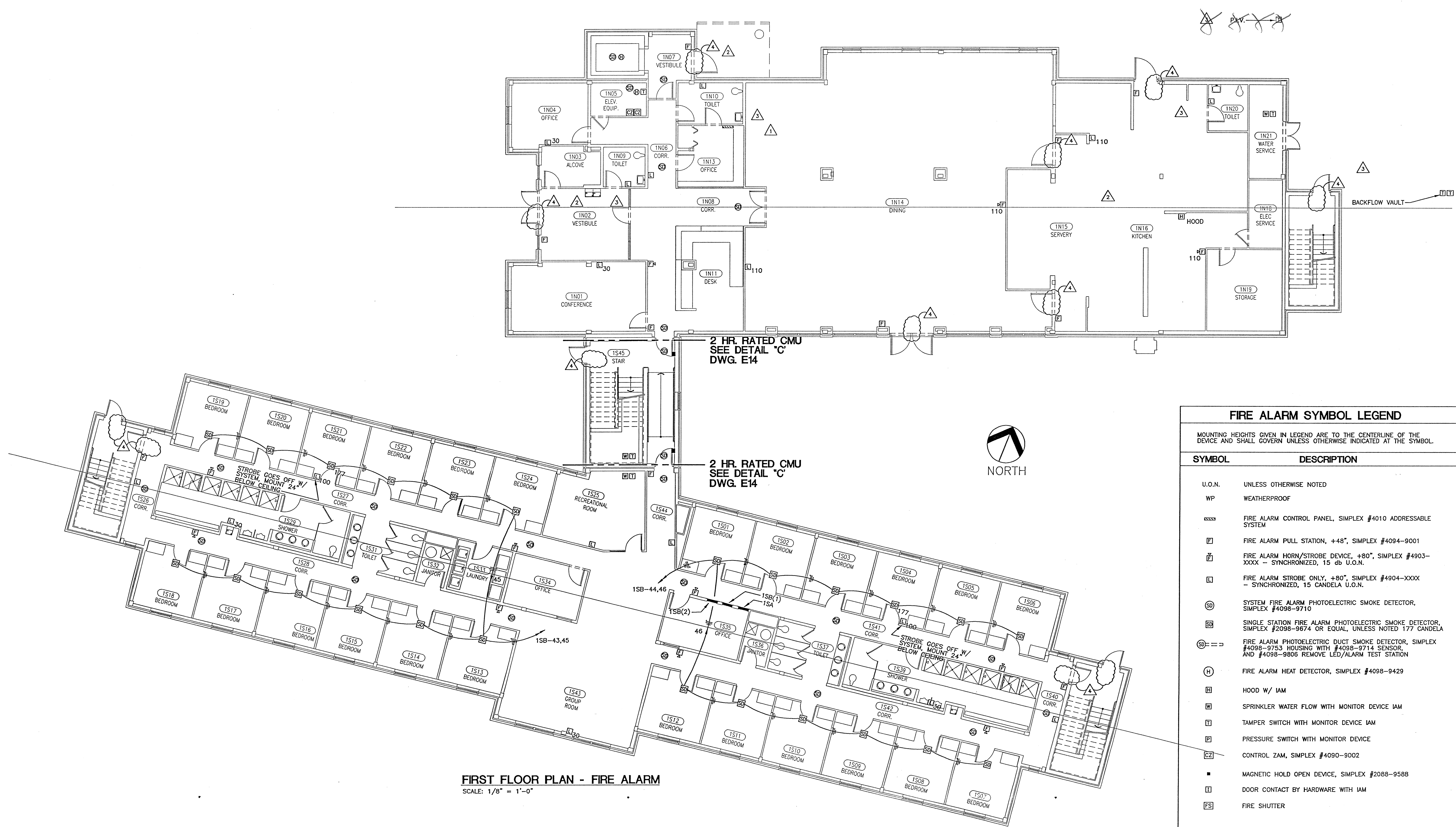
- ▲ 4/2/98 ADD 2
- ▲ 7/8/98 CD1
- ▲ 12/29/98-XS

DRAWING NUMBER  
97187



**Architects and Engineers**  
 114 Virginia Street, P.O. Box 400  
 Richmond, Virginia 23218-0400  
 (804) 343-1010

B A S K E R V I L L E S O N



**FIRST FLOOR PLAN - FIRE ALARM**  
 SCALE: 1/8" = 1'-0"

FIRE ALARM SYMBOL LEGEND	
MOUNTING HEIGHTS GIVEN IN LEGEND ARE TO THE CENTERLINE OF THE DEVICE AND SHALL GOVERN UNLESS OTHERWISE INDICATED AT THE SYMBOL.	
SYMBOL	DESCRIPTION
U.O.N.	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
[Symbol]	FIRE ALARM CONTROL PANEL, SIMPLEX #4010 ADDRESSABLE SYSTEM
[Symbol]	FIRE ALARM PULL STATION, +48", SIMPLEX #4094-9001
[Symbol]	FIRE ALARM HORN/STROBE DEVICE, +80", SIMPLEX #4903-XXXX - SYNCHRONIZED, 15 db U.O.N.
[Symbol]	FIRE ALARM STROBE ONLY, +80", SIMPLEX #4904-XXXX - SYNCHRONIZED, 15 CANDELA U.O.N.
[Symbol]	SYSTEM FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR, SIMPLEX #4098-9710
[Symbol]	SINGLE STATION FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR, SIMPLEX #2098-9874 OR EQUAL, UNLESS NOTED 177 CANDELA
[Symbol]	FIRE ALARM PHOTOELECTRIC DUCT SMOKE DETECTOR, SIMPLEX #4098-9753 HOUSING WITH #4098-9714 SENSOR, AND #4098-9806 REMOVE LED/ALARM TEST STATION
[Symbol]	FIRE ALARM HEAT DETECTOR, SIMPLEX #4098-9429
[Symbol]	HOOD W/ IAM
[Symbol]	SPRINKLER WATER FLOW WITH MONITOR DEVICE IAM
[Symbol]	TAMPER SWITCH WITH MONITOR DEVICE IAM
[Symbol]	PRESSURE SWITCH WITH MONITOR DEVICE
[Symbol]	CONTROL ZAM, SIMPLEX #4090-9002
[Symbol]	MAGNETIC HOLD OPEN DEVICE, SIMPLEX #2088-9588
[Symbol]	DOOR CONTACT BY HARDWARE WITH IAM
[Symbol]	FIRE SHUTTER

NOTE: PROVIDE IAM AND ALL ASSOCIATED WIRING ON A SET OF ELEVATOR SUPPLIED CONTACTS TO MONITOR ELEVATOR MOVEMENT AT FACP.

DRAWING TITLE  
**FIRE ALARM FIRST FLOOR LEGEND**

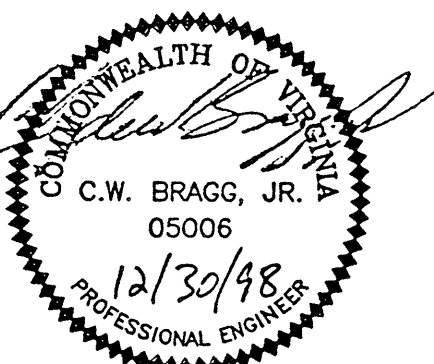
DATE  
**03/18/98**

REVISIONS  
 4/2/98 ADD 2  
 4/7/98 ADD 3  
 7/8/98 CD1  
 12/29/98-X9

DRAWING NUMBER  
**97187**

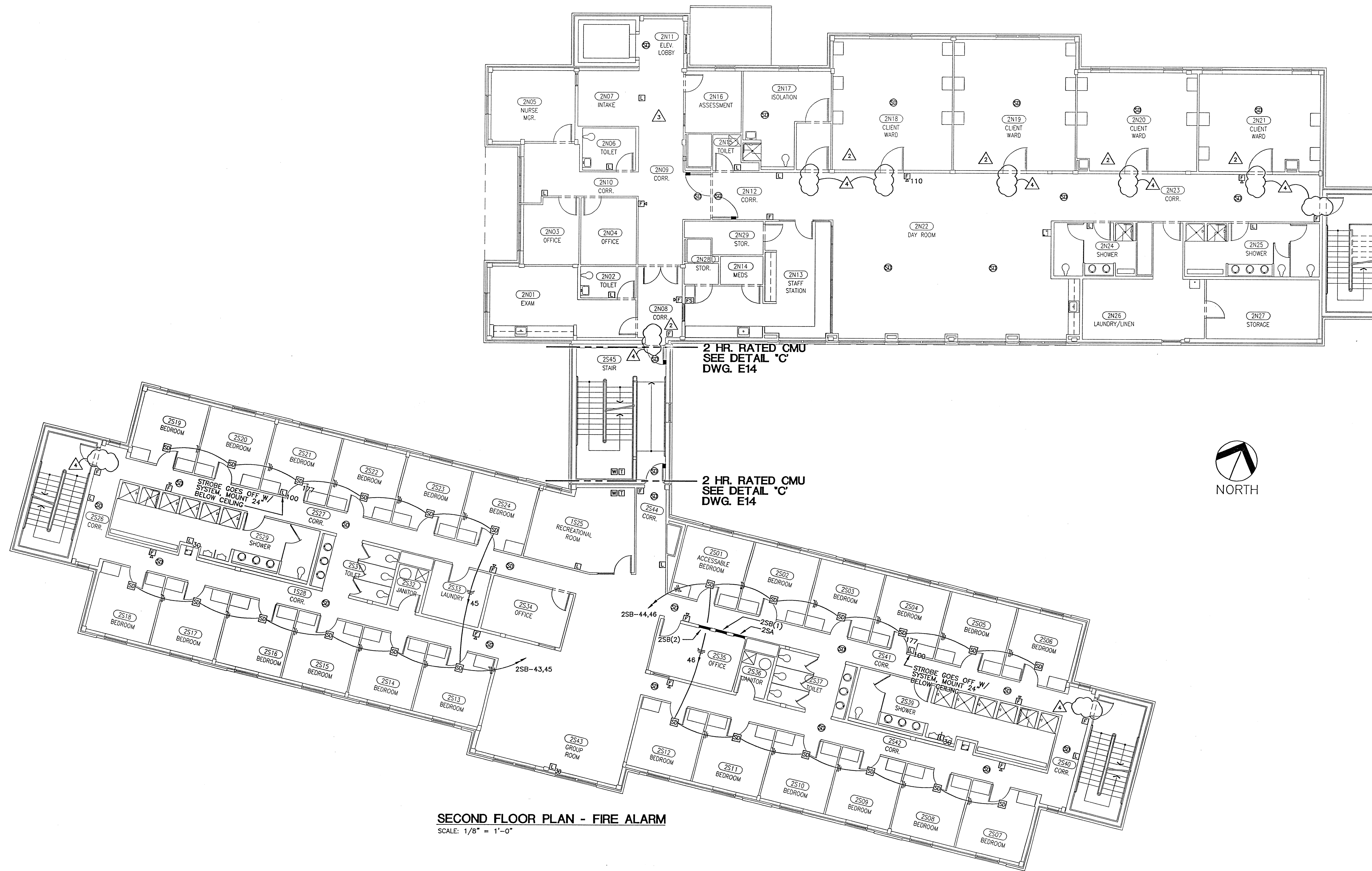
**MEN'S RESIDENTIAL TREATMENT FACILITY**

RADY STREET  
RICHMOND, VA



B A S K E R V I L L E S S O N

**Architects and Engineers**  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010



**SECOND FLOOR PLAN - FIRE ALARM**  
SCALE: 1/8" = 1'-0"

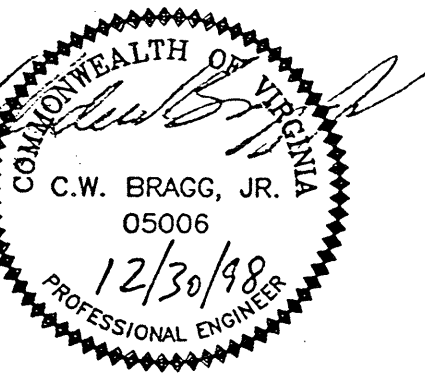
DRAWING TITLE \_\_\_\_\_

**FIRE ALARM  
SECOND FLOOR**

DATE  
**03/18/98**

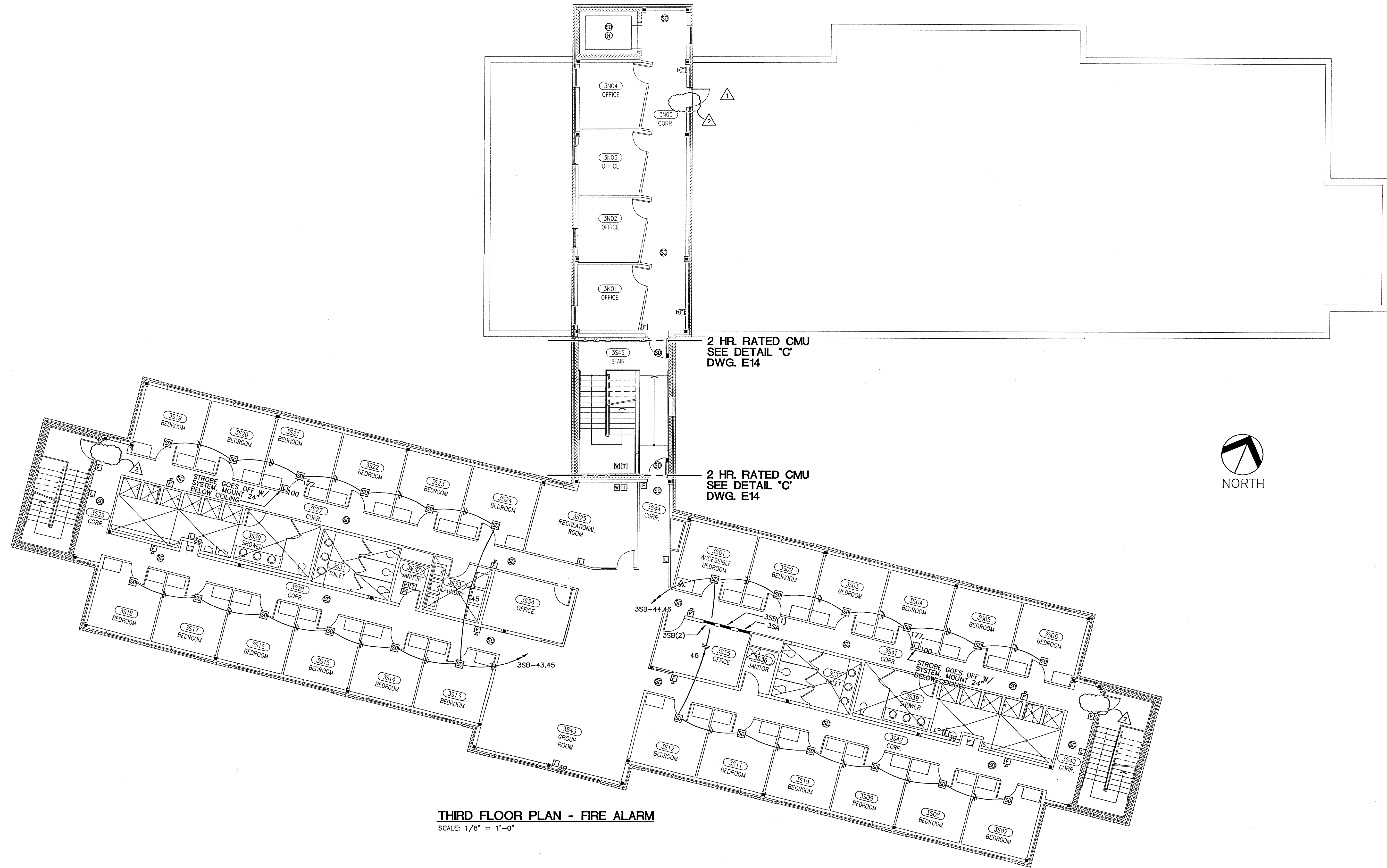
REVISIONS  
4/7/98 ADD 3  
7/8/98 CD1  
12/28/98-Y9

DRAWING NUMBER  
**97187**



B A S K E R V I L L E S S O N

Architects and Engineers  
114 Virginia Street, P.O. Box 400  
Richmond, Virginia 23218-0400  
(804) 343-1010



THIRD FLOOR PLAN - FIRE ALARM  
SCALE: 1/8" = 1'-0"

DRAWING TITLE  
FIRE ALARM  
THIRD FLOOR

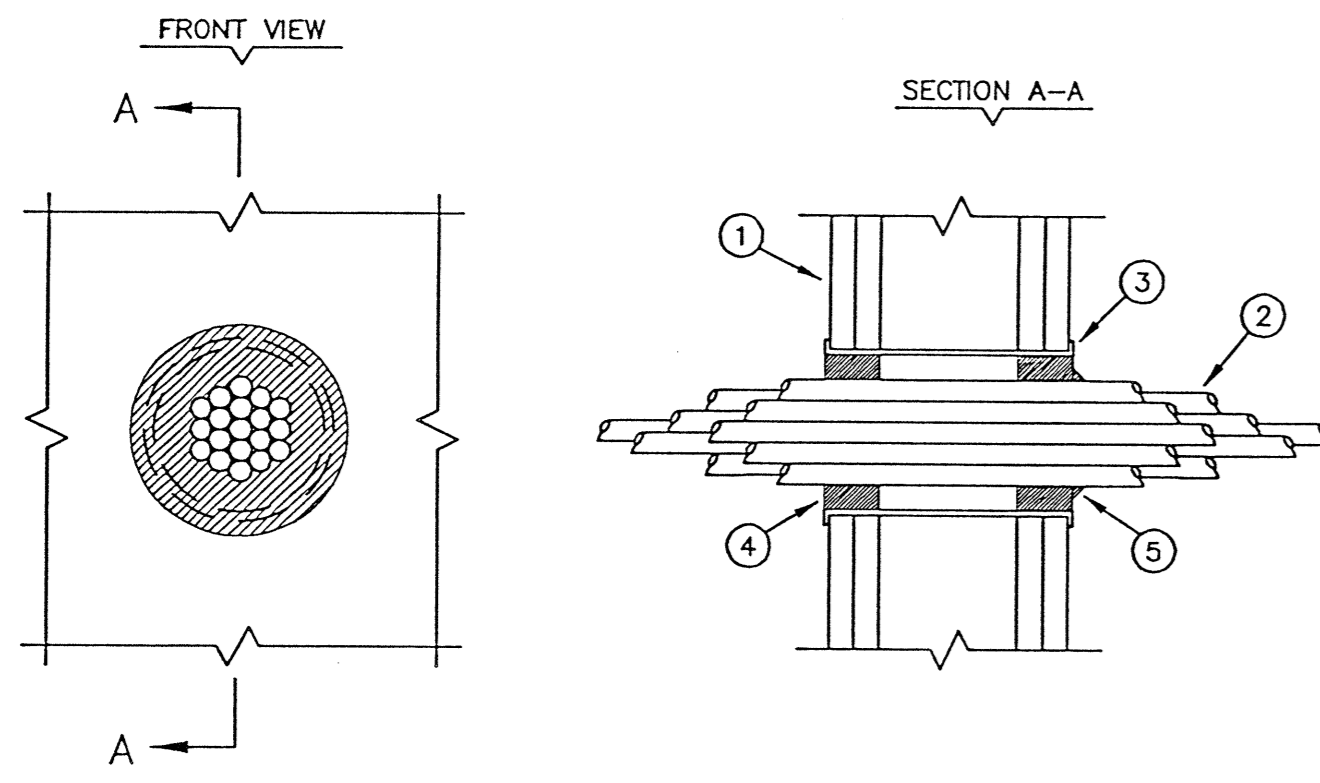
DATE  
03/18/98

REVISIONS  
4/7/98 ADD 3  
12/28/98-X9

DRAWING NUMBER  
97187

U.L. SYSTEM NO. WL3065  
**CABLE BUNDLE THROUGH 1-HR. OR 2-HR. FIRE RATED GYPSUM WALL**

F RATING = 1-HR. OR 2-HR. L RATING AT AMBIENT = 5 CFM/SQ. FT.  
T RATING = 0-HR. L RATING AT 400° F = 2 CFM/SQ. FT.

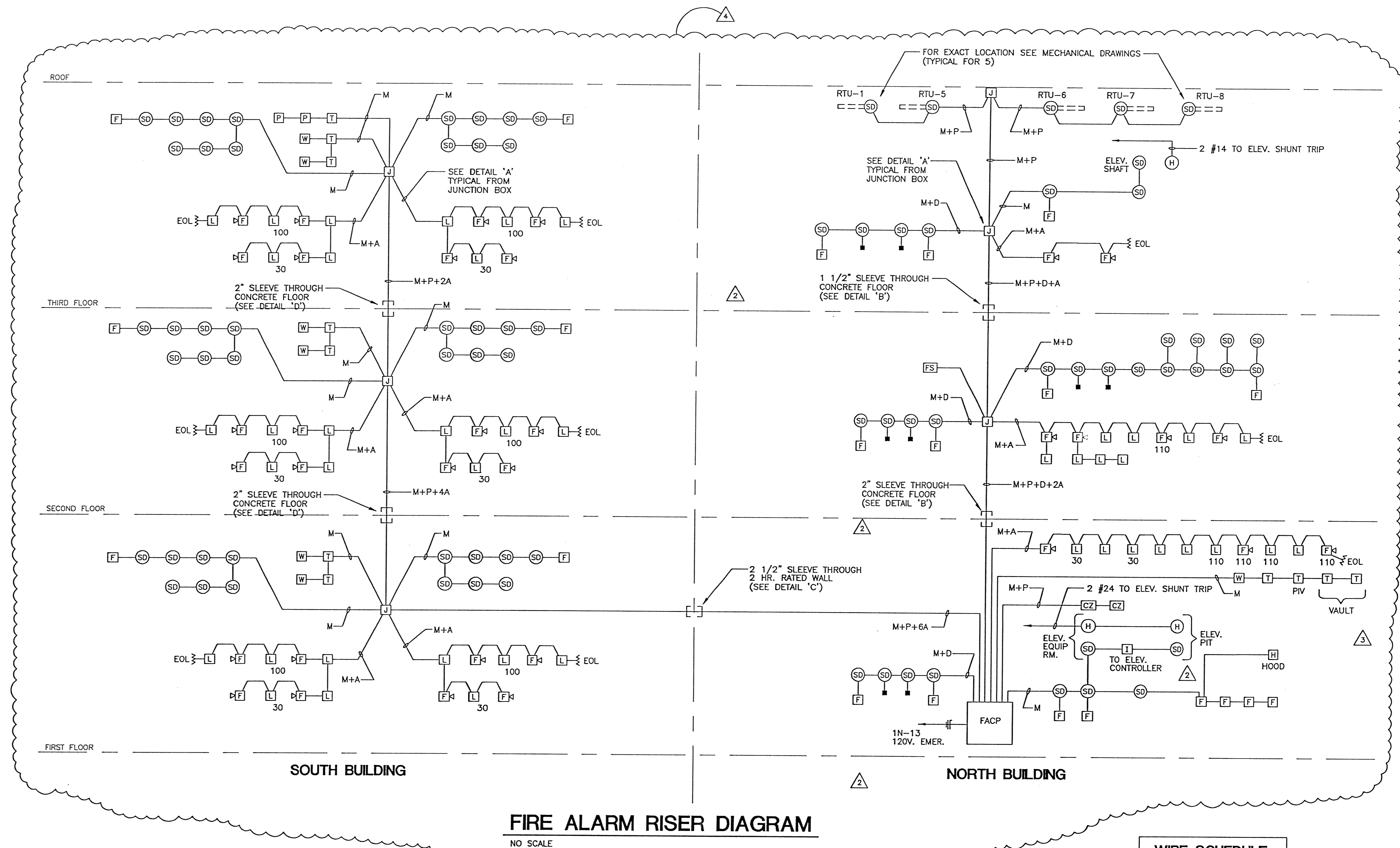


- GYPSUM WALL ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
- CABLE BUNDLE TO CONSIST OF ANY OF THE FOLLOWING:
  - 7/C NO. 12 AWG CABLES
  - 12 PAIR 24 AWG PHONE CABLES
  - 25 PAIR 24 AWG PHONE CABLES
  - RG 59 COAXIAL CABLES
  - 2/C (+GND) NO. 14 AWG METAL-CLAD CABLES
  - 2/C NO. 8 AWG METAL-CLAD CABLES
  - MAXIMUM 1/2" DIAMETER FIBER-OPTIC CABLES
- MAXIMUM 4" DIAMETER STEEL PIPE SLEEVE (SCHEDULE 5 OR THINNER) (SEE NOTE-4).
- MINIMUM 5/8" OR 1-1/4" DEPTH HILTI FS-ONE FIRESTOP SEALANT (FOR 1-HR. OR 2-HR. FIRE-RATED WALL ASSEMBLY).
- SEE NOTE NO. 4 BELOW.

**NOTES:**

- MAXIMUM DIAMETER OF OPENING = 5-1/2".
- CABLES TO FILL MAXIMUM 33% OF OPENING.
- ANNULAR SPACE = MINIMUM 1/4", MAXIMUM 3/4".
- STEEL SLEEVE MAY BE FLUSH WITH WALL SURFACE OR EXTEND UP TO 18" BEYOND WALL SURFACE IN ANY COMBINATION. WHEN SLEEVE IS FLUSH WITH WALL, APPLY HILTI FS-ONE FIRESTOP SEALANT ONTO WALL SURFACE. WHEN SLEEVE IS EXTENDED BEYOND ONE OR BOTH SIDES OF WALL, APPLY 1/2" CROWN HILTI FS-ONE FIRESTOP SEALANT TO WALL/SLEEVE INTERFACE.

**DETAIL "A"**  
NO SCALE



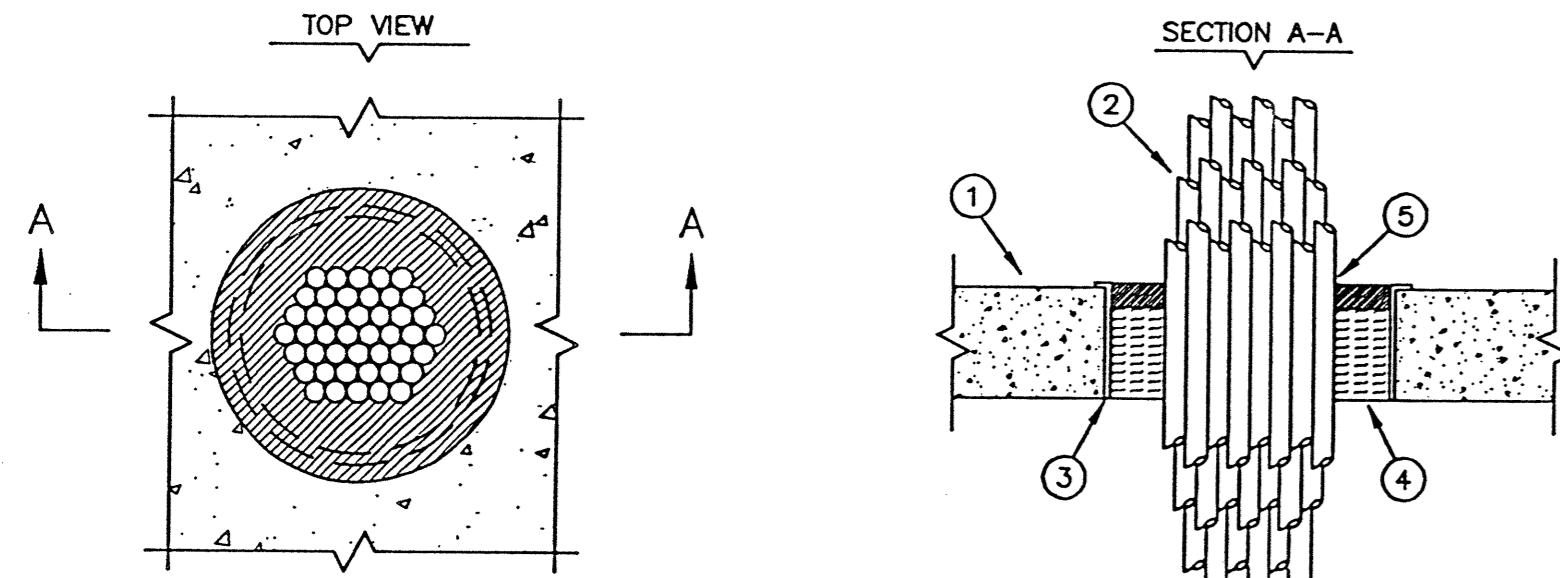
**FIRE ALARM RISER DIAGRAM**  
NO SCALE

**NOTE: ALL FIRE ALARM DEVICES SHALL HAVE A 3/4" EC W/ BUSHING STUBBED OUT INTO ACCESSIBLE CEILING SPACE.**

WIRE SCHEDULE	
CABLE	OUTSIDE DIAMETER
M	.150
AV,P,D	.202

U.L. SYSTEM NO. CAJ3095  
**SINGLE OR MULTIPLE CABLES THROUGH CONCRETE FLOOR OR WALL**

F RATING = 3-HR. L RATING AT AMBIENT = 5 CFM/SQ. FT.  
T RATING = 0-HR. L RATING AT 400° F = 2 CFM/SQ. FT.



- FLOOR OR WALL ASSEMBLY:
  - LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR/WALL (MINIMUM 2-1/2" THICK)
  - ANY U.L. CLASSIFIED CONCRETE BLOCK WALL
- MAXIMUM 4" DIAMETER CABLE BUNDLE TO BE A COMBINATION OF THE FOLLOWING:
  - MAXIMUM 300 PAIR TELEPHONE CABLES WITH PVC JACKET
  - MAXIMUM 500 KCMIL POWER CABLE WITH PVC JACKET
  - MAXIMUM 7/C NO. 8 AWG POWER CABLE WITH PVC JACKET
  - MAXIMUM (24 FIBER) 1/2" DIAMETER FIBER-OPTIC CABLE
- OPTIONAL: MAXIMUM 6" DIAMETER STEEL SLEEVE (SCHEDULE 10 OR HEAVIER)
- MINIMUM 2" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED
- MINIMUM 1/2" DEPTH HILTI FS-ONE FIRESTOP SEALANT

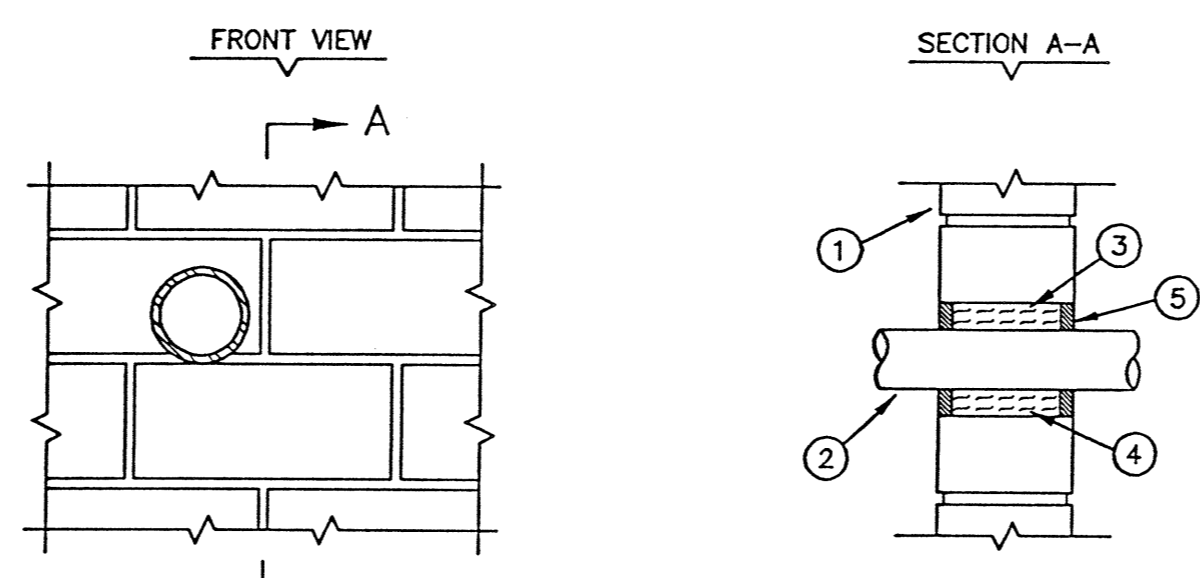
**NOTES:**

- MAXIMUM DIAMETER OF OPENING = 6-5/8".
- CABLES TO FILL MINIMUM 20%, TO MAXIMUM 33% OF OPENING.
- WALLS REQUIRE 1/2" DEPTH HILTI FS-ONE FIRESTOP SEALANT FLUSH WITH BOTH SIDES.

**DETAIL "B"**  
NO SCALE

U.L. SYSTEM NO. WJ8004  
**EMT PENETRATION THROUGH CONCRETE/CONCRETE BLOCK WALL**

F RATING = 2-HR. L RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.  
T RATING = 1/4-HR. L RATING AT 400° F = 4 CFM/SQ. FT.



- WALL ASSEMBLY:
  - LIGHTWEIGHT OR NORMAL HEIGHT CONCRETE WALL (MINIMUM 5" THICK)
  - ANY U.L. CLASSIFIED CONCRETE BLOCK WALL
- PENETRATING ITEMS TO BE ANY OF THE FOLLOWING:
  - MAXIMUM 3" DIAMETER EMT.
  - MAXIMUM 25 PAIR NO. 24 AWG (OR SMALLER) TELEPHONE CABLE.
  - MAXIMUM 3/C (WITH GROUND) NO. 10 AWG NM POWER CABLE.
  - MAXIMUM 300 KCMIL (OR SMALLER) POWER CABLE.
  - MAXIMUM 2" DIAMETER STEEL PIPE, COPPER PIPE, EMT, OR CONDUIT.
- NO. 8 STEEL WIRE MESH, RECESSED 1/8" BELOW EACH WALL SURFACE (FOR HOLLOW BLOCK WALLS ONLY).
- MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY).
- MINIMUM 1/2" DEPTH HILTI FS-ONE FIRESTOP SEALANT.

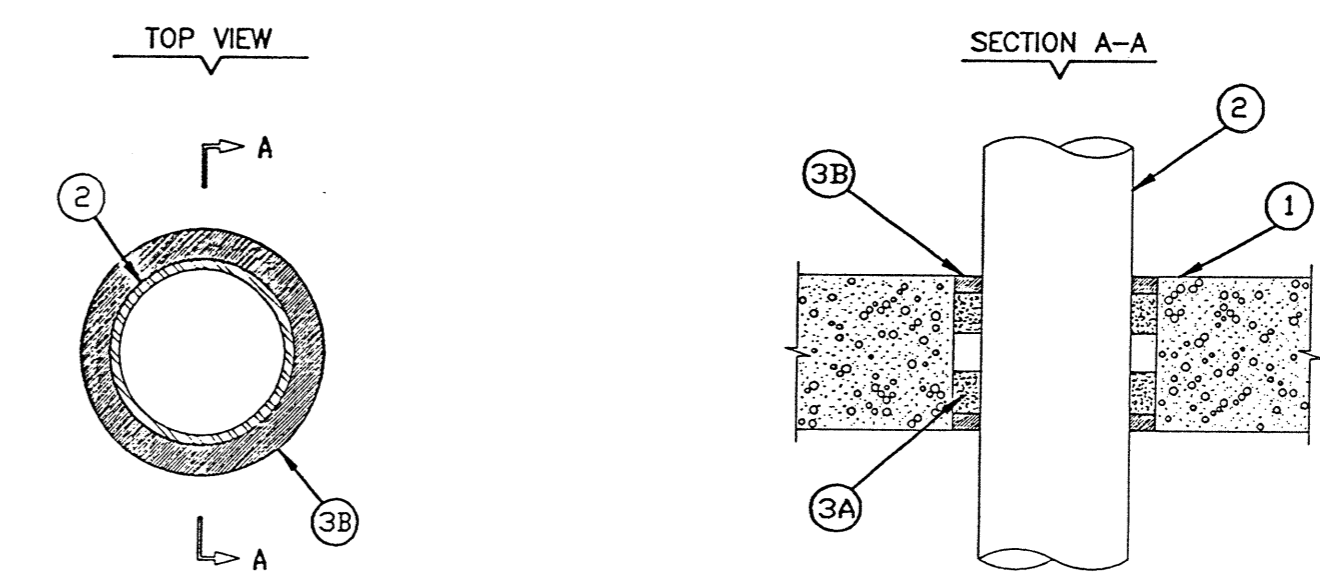
**NOTES:**

- MAXIMUM AREA OF OPENING = 96 SQUARE INCHES WITH A MAXIMUM DIMENSION OF 12 INCHES.
- DISTANCE BETWEEN ITEMS = MINIMUM 1-3/4", MAXIMUM 7".
- DISTANCE FROM EDGE OF OPENING = MINIMUM 1/2", MAXIMUM 3". (EXCEPTION: 300 KCMIL POWER CABLE MUST BE MINIMUM 1-1/2" FROM THE EDGE OF OPENING.)

**DETAIL "C"**  
NO SCALE

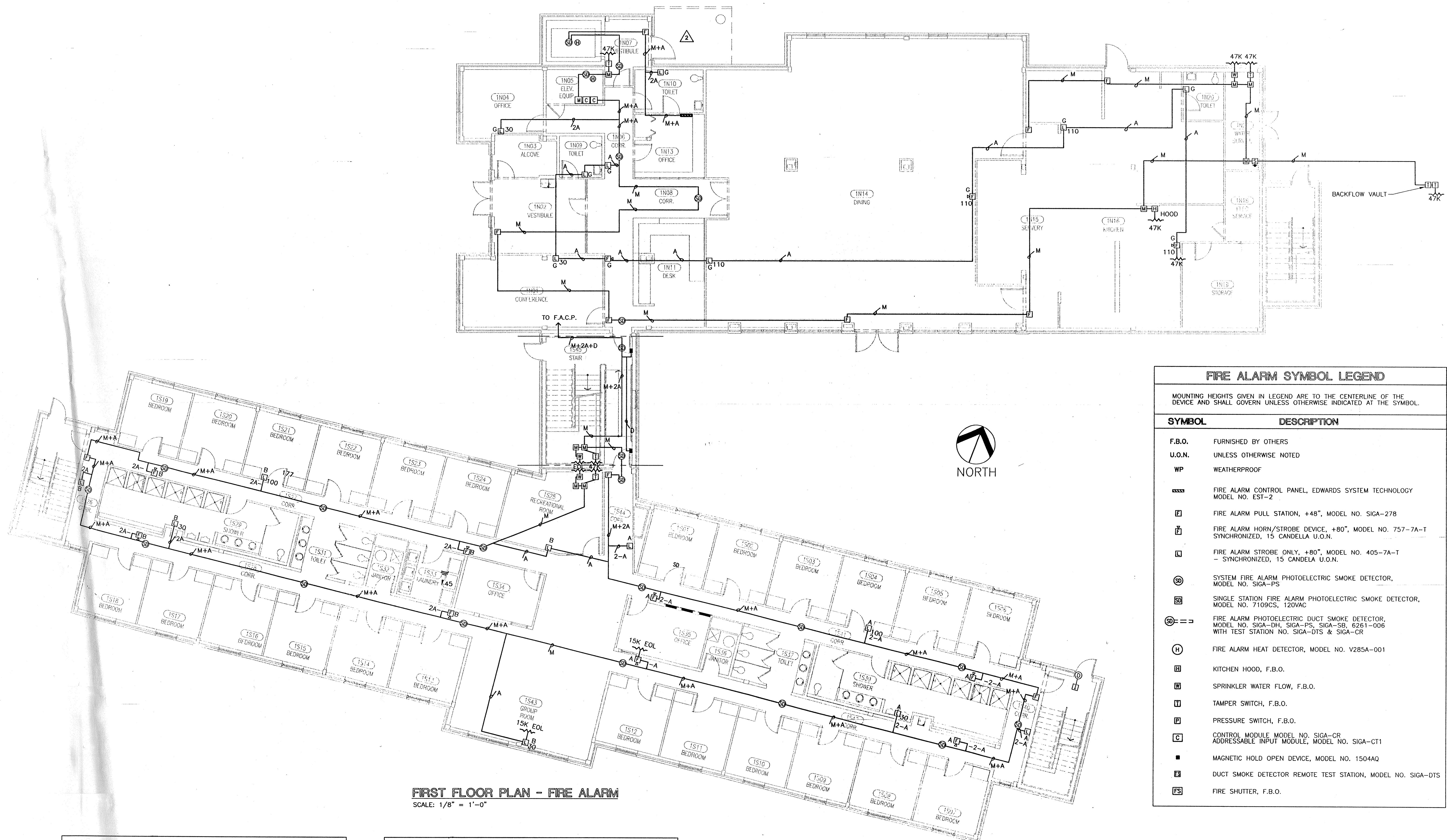
U.L. SYSTEM NO. C-AJ-1153  
**METAL PIPE THROUGH CONCRETE FLOOR OR WALL**

F RATING = 2-HR. L RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.  
T RATING = 1/4-HR. L RATING AT 400° F = 4 CFM/SQ. FT.



- Floor or Wall Assembly—Min. 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Walls may also be constructed of any U.L. Classified Concrete Blocks\*. Max. diam. of opening is 8-3/4 in. See Concrete Blocks (CAZT) category in Fire Resistance Directory for names of manufacturers.
  - Through Penetrants—One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 3/4 to max 3-1/2 in. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
    - Steel Pipe—Non 4 in. diam. (or smaller) Schedule 5 (or heavier) steel pipe.
    - Conduit—Non 4 in. diam. (or smaller) electrical metallic tubing or steel conduit.
  - Firestop system—The firestop system shall consist of the following:
    - Packing Material—Mineral wool batt insulation firmly packed into opening as a permanent form. As an option to the above, backer rod and/or foamed plastic backer material may be used. Packing material to be recessed from both surfaces of floor or wall as required thickness of fill material.
    - Fill, Void or Cavity Material—Sealant—Min 1/4 in. thickness of fill material applied within the annulus, flush with both surfaces of floor or wall.
- Hilti Construction Chemicals, Inc. - FS-ONE Sealant  
(Note: L Ratings apply only when FS-ONE Sealant is used.)  
\* Bearing the UL Classification Marking

**DETAIL "D"**  
NO SCALE



**FIRST FLOOR PLAN - FIRE ALARM**  
SCALE: 1/8" = 1'-0"

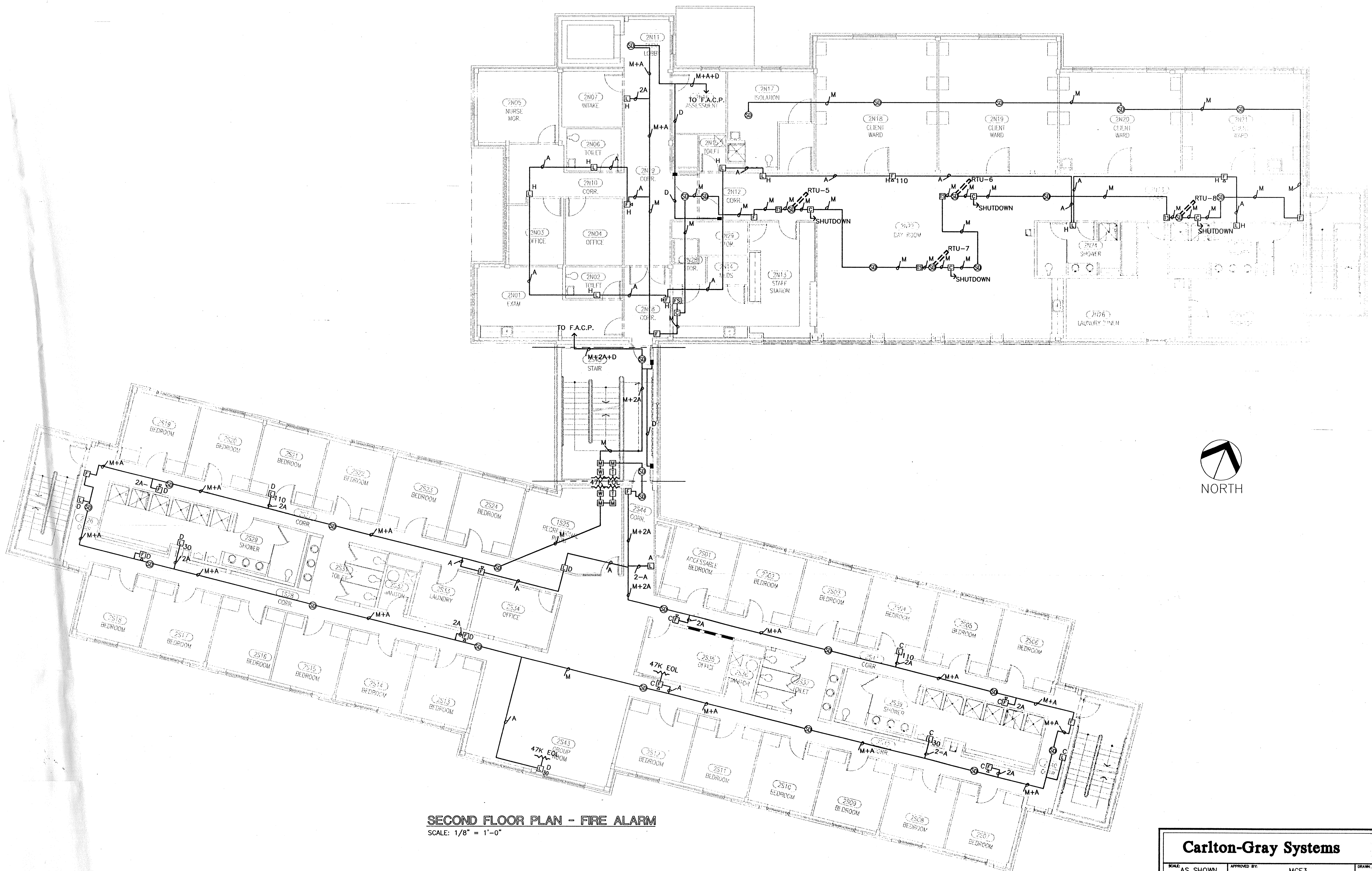
FIRE ALARM SYMBOL LEGEND	
MOUNTING HEIGHTS GIVEN IN LEGEND ARE TO THE CENTERLINE OF THE DEVICE AND SHALL GOVERN UNLESS OTHERWISE INDICATED AT THE SYMBOL.	
SYMBOL	DESCRIPTION
F.B.O.	FURNISHED BY OTHERS
U.O.N.	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
[Symbol]	FIRE ALARM CONTROL PANEL, EDWARDS SYSTEM TECHNOLOGY MODEL NO. EST-2
[Symbol]	FIRE ALARM PULL STATION, +48", MODEL NO. SIGA-27B
[Symbol]	FIRE ALARM HORN/STROBE DEVICE, +80", MODEL NO. 757-7A-T SYNCHRONIZED, 15 CANDELLA U.O.N.
[Symbol]	FIRE ALARM STROBE ONLY, +80", MODEL NO. 405-7A-T SYNCHRONIZED, 15 CANDELLA U.O.N.
[Symbol]	SYSTEM FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR, MODEL NO. SIGA-PS
[Symbol]	SINGLE STATION FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR, MODEL NO. 7109CS, 120VAC
[Symbol]	FIRE ALARM PHOTOELECTRIC DUCT SMOKE DETECTOR, MODEL NO. SIGA-DH, SIGA-PS, SIGA-SD, 6261-006 WITH TEST STATION NO. SIGA-DTS & SIGA-CR
[Symbol]	FIRE ALARM HEAT DETECTOR, MODEL NO. V285A-001
[Symbol]	KITCHEN HOOD, F.B.O.
[Symbol]	SPRINKLER WATER FLOW, F.B.O.
[Symbol]	TAMPER SWITCH, F.B.O.
[Symbol]	PRESSURE SWITCH, F.B.O.
[Symbol]	CONTROL MODULE MODEL NO. SIGA-CR ADDRESSABLE INPUT MODULE, MODEL NO. SIGA-CT1
[Symbol]	MAGNETIC HOLD OPEN DEVICE, MODEL NO. 1504AQ
[Symbol]	DUCT SMOKE DETECTOR REMOTE TEST STATION, MODEL NO. SIGA-DTS
[Symbol]	FIRE SHUTTER, F.B.O.

- NOTES:**
1. ALL INSTALLATION TO BE IN ACCORDANCE WITH NFPA-72, BOCA AND ADA.
  2. ALL WIRING SHALL TEST FREE OF GROUND, OPENS AND SHORTS.
  3. NO "T" SPLICING OF CONDUCTORS SHALL BE PERMITTED.
  4. WIRING STYLE: CLASS "B" (NO END OF LINE DEVICE REQUIRED FOR ADDRESSABLE INITIATING CIRCUITS).
  5. INSTALLATION SHALL BE BY TOLLEY ELECTRICAL CORP.

- CABLE TYPE:**
1. M - ADDRESSABLE DATA LOOP - 18AWG-2COND, SHIELDED, FPL WEST PENN D975 OR EQUAL.
  2. A - NOTIFICATION SIGNAL CIRCUIT - 14AWG-2COND, FPL WEST PENN 994 OR EQUAL.
  3. D - DOOR HOLDER POWER CIRCUIT - 14AWG-2COND, FPL WEST PENN 994 OR EQUAL.
  4. P - AUXILIARY POWER CIRCUIT - 14AWG-2COND, FPL WEST PENN 994 OR EQUAL.

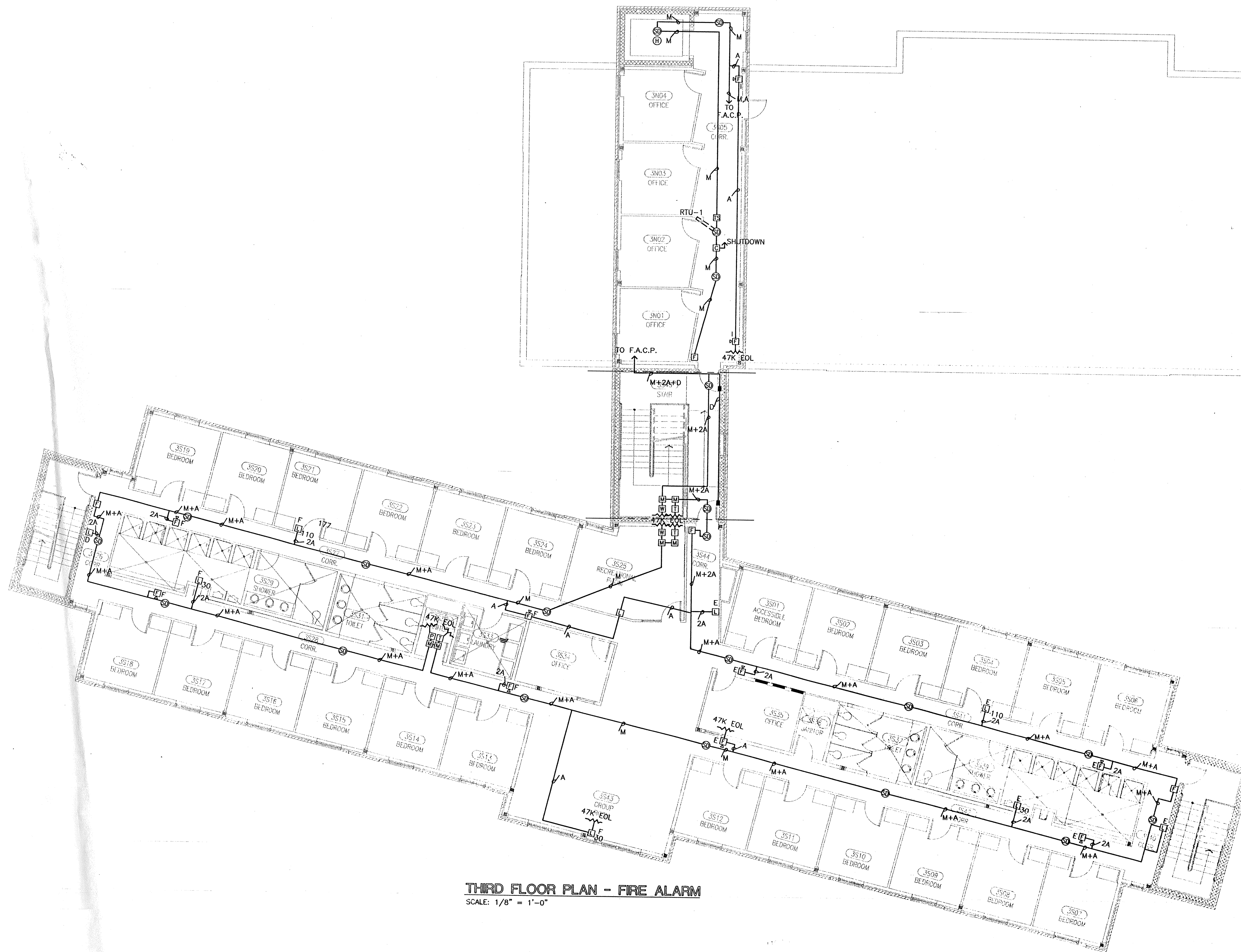
*ELECTRICAL FIRE ALARM AS-BUILT DRAWINGS Tolley Elec 5.13.99*

<b>Carlton-Gray Systems</b>		206 HALCY ROAD ASHLAND, VIRGINIA 23005	
SCALE: AS SHOWN	APPROVED BY: MGF3	DRAWN BY: HCD3	REVISION: -
DATE: 11/16/98	DRAWING NUMBER: 97187		
RUBICON, INC., RADY STREET RICHMOND, VIRGINIA			
FIRE ALARM FIRST FLOOR PLAN			



**SECOND FLOOR PLAN - FIRE ALARM**  
SCALE: 1/8" = 1'-0"

<b>Carlton-Gray Systems</b>		206 HALEY ROAD ASHLAND, VIRGINIA 23005	
SCALE: AS SHOWN	APPROVED BY: MGF3	DRAWN BY: HCD3	
DATE: 11/16/98	DRAWING NUMBER: 97187	REVISION:	
RUBICON, INC., RADY STREET RICHMOND, VIRGINIA			
FIRE ALARM SECOND FLOOR PLAN			

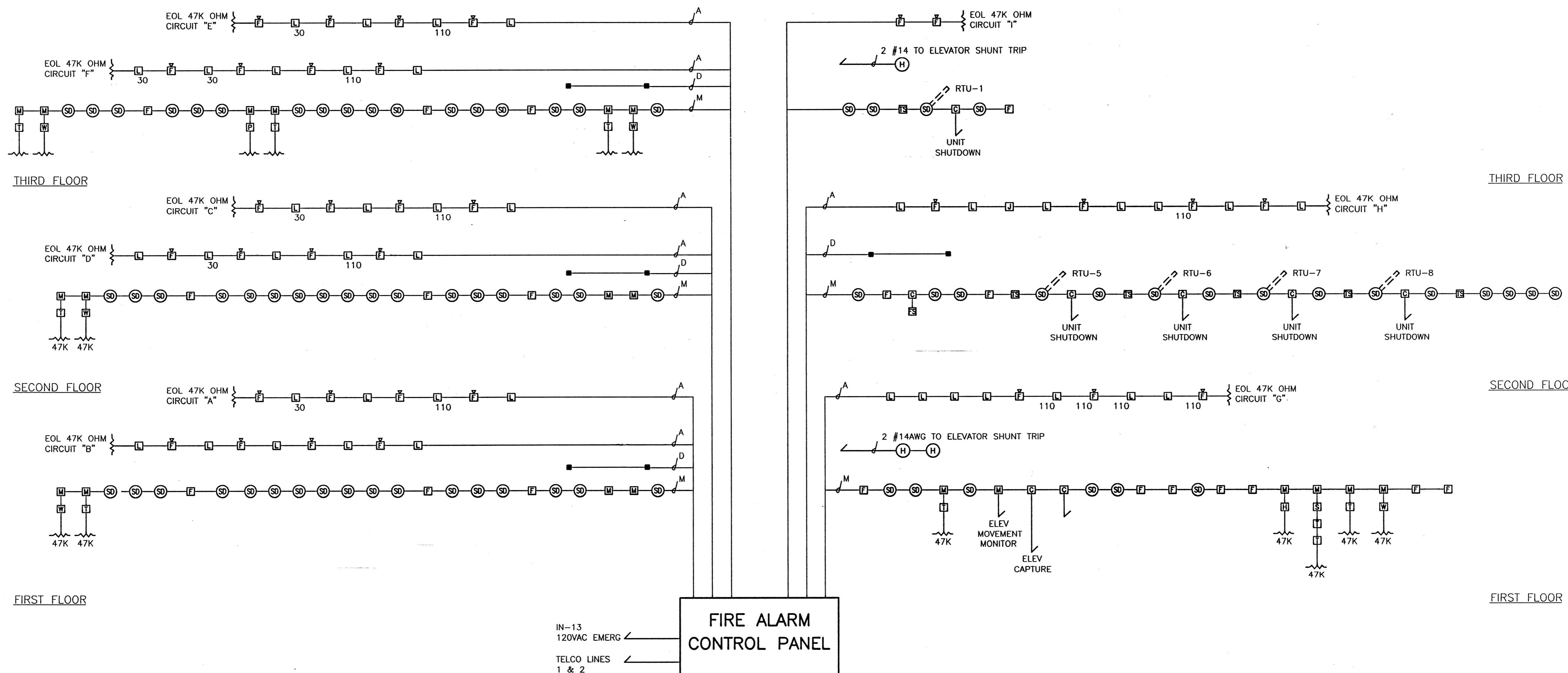


**THIRD FLOOR PLAN - FIRE ALARM**  
 SCALE: 1/8" = 1'-0"



<b>Carlton-Gray Systems</b>		204 HALEY ROAD ASHLAND, VIRGINIA 23005	
SCALE: AS SHOWN	APPROVED BY: MGF3	DRAWN BY: HCD3	
DATE: 11/16/98	DRAWING NUMBER: 97187	REVISION:	
RUBICON, INC., RADY STREET RICHMOND, VIRGINIA			
FIRE ALARM THIRD FLOOR PLAN			





**Carlton-Gray Systems**  
 204 HALEY ROAD  
 ASHLAND, VIRGINIA 23005

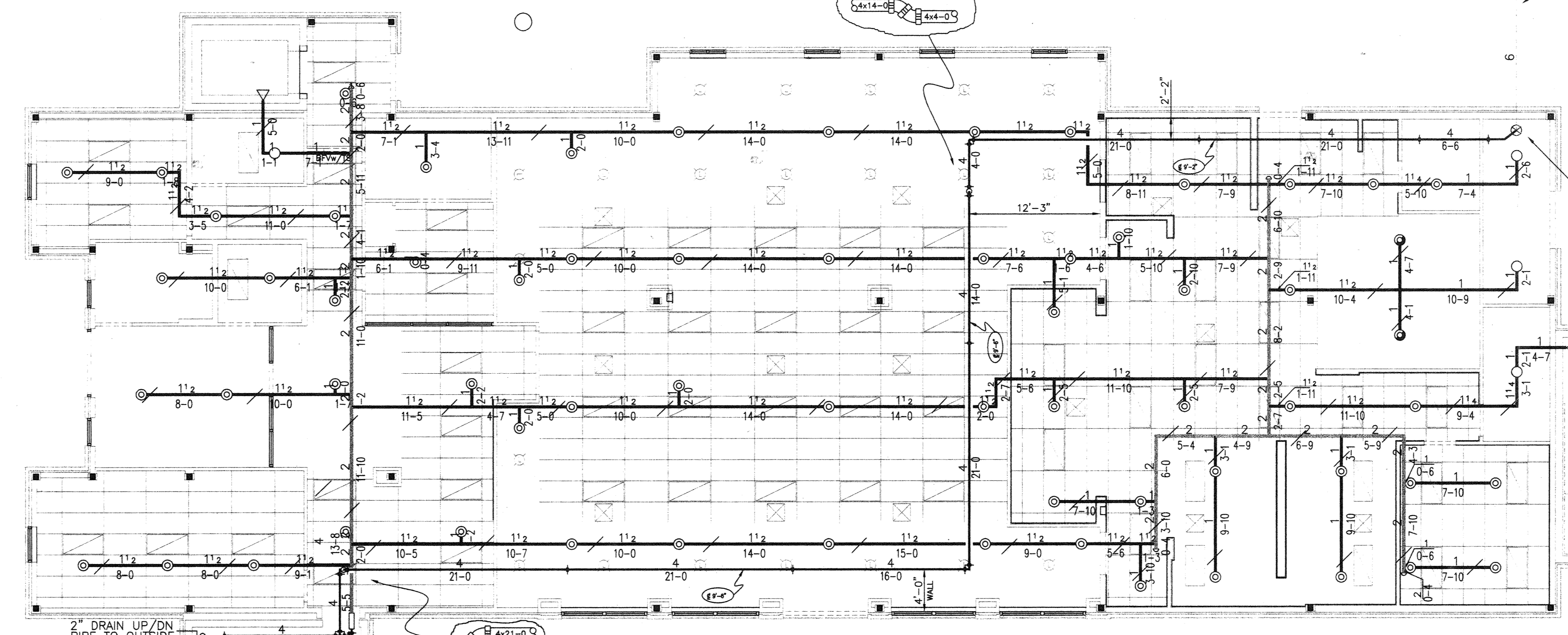
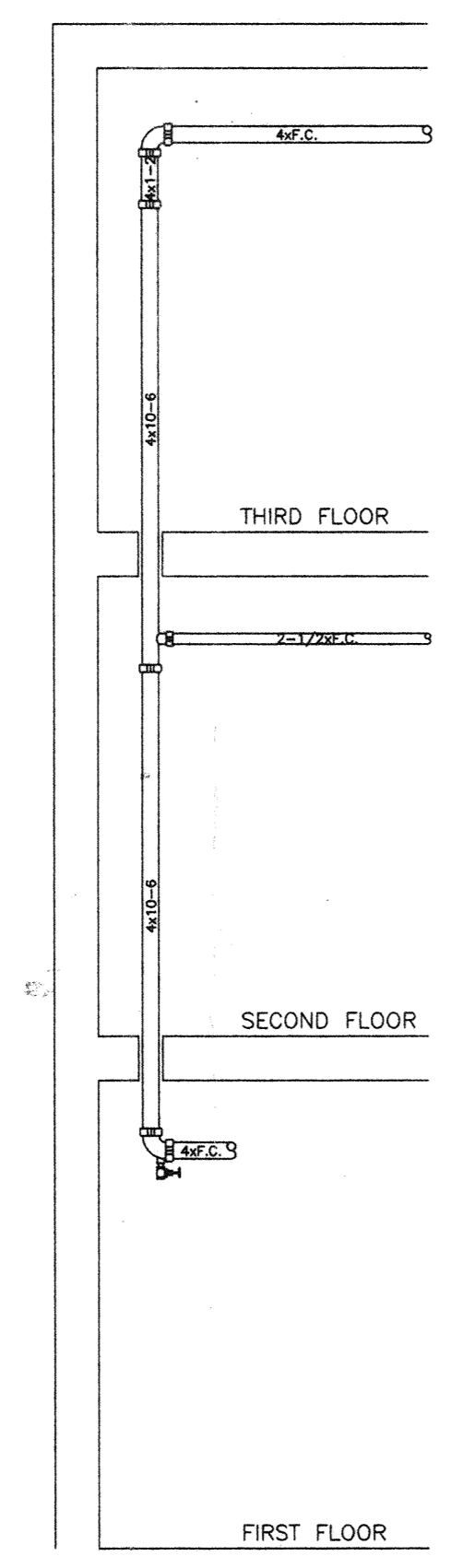
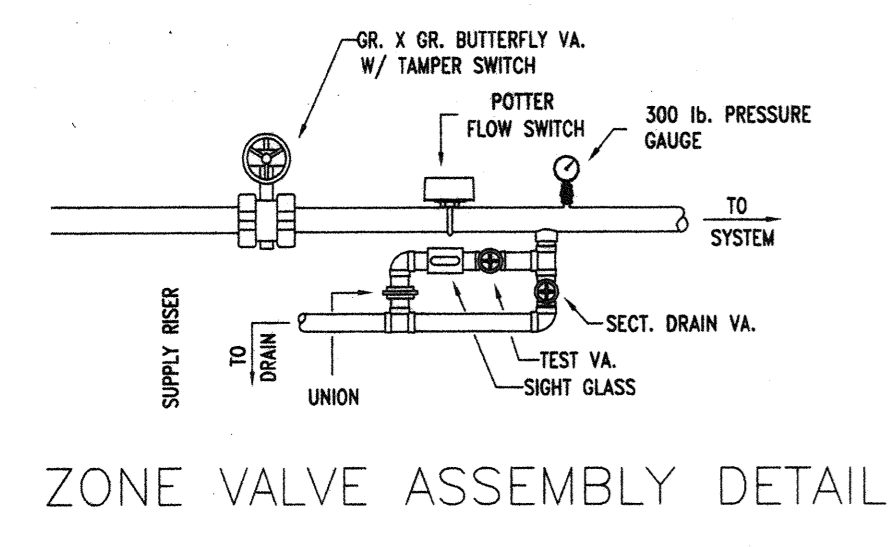
SCALE: N.T.S.	APPROVED BY: MGF3	DRAWN BY: HCD3
DATE: 11/16/98	DRAWING NUMBER: 8-438	REVISION: --

RUBICON, INC., RADY STREET  
 RICHMOND, VIRGINIA

FIRE ALARM RISER DIAGRAM

REVISIONS	DATE
A/E COMMENT REVISIONS	9/28/98

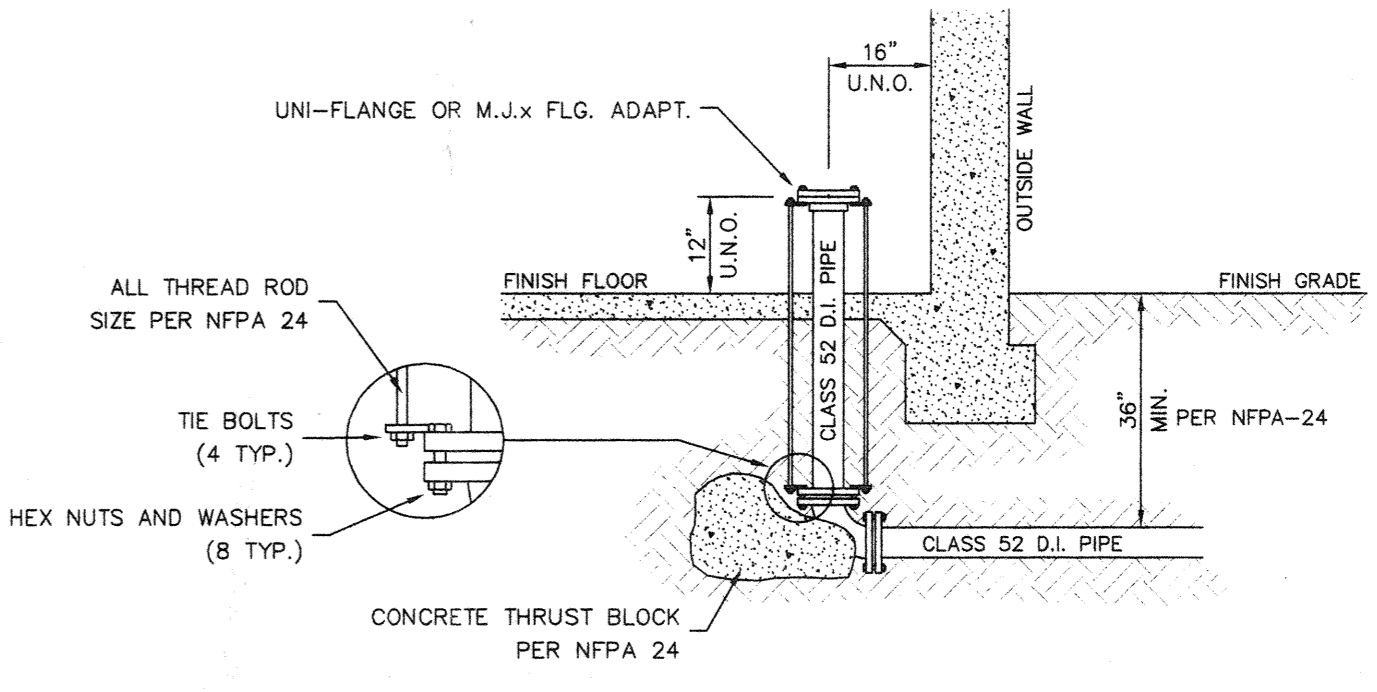
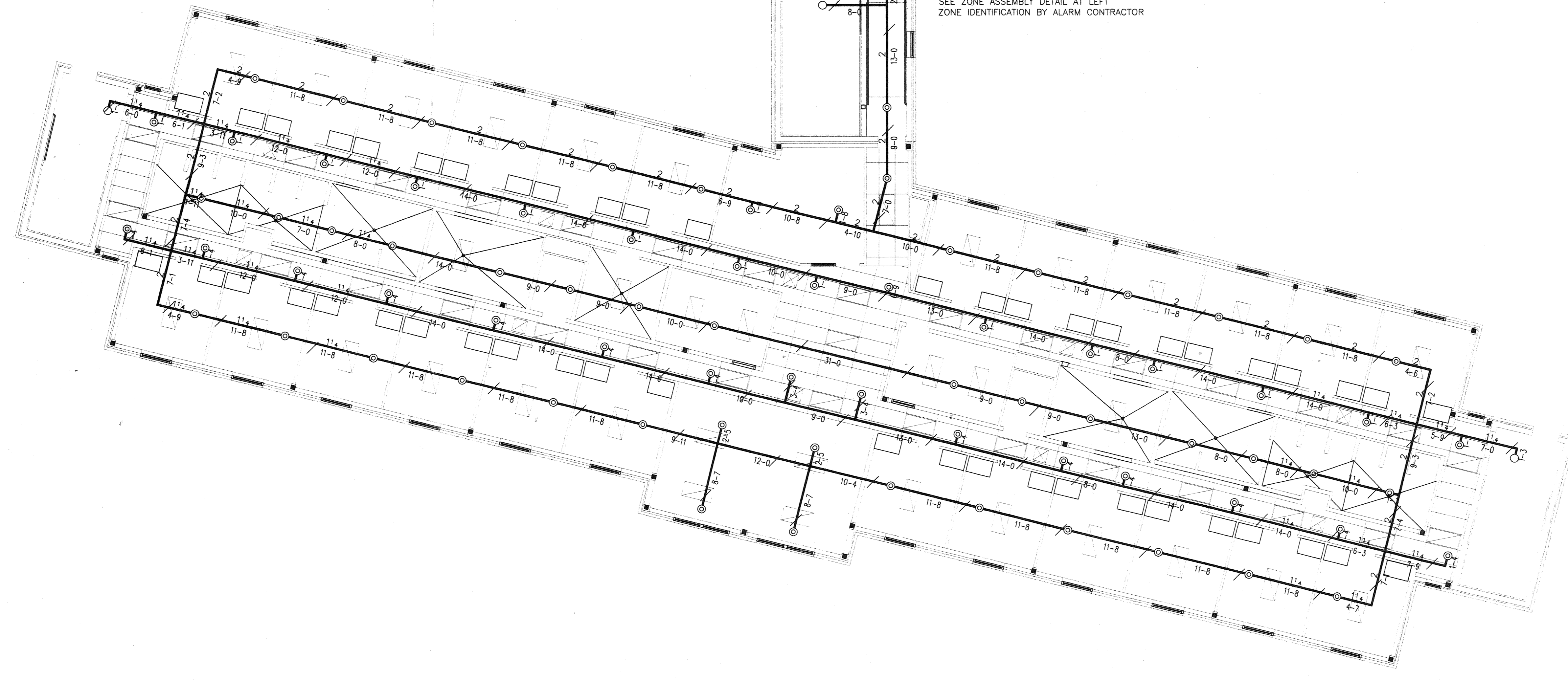
FIRST FLOOR HEAD COUNT	
141	1/2" STAR MODEL SG @
WET	165 QR CHROME PENDANT W/ 2 PIECE SEMI CHROME ESC
6	1/2" STAR MODEL SG O
WET	165 BRASS UPRIGHT
2	1/2" STAR MODEL SG ◁
WET	165 CHROME SIDEWALL
2	1/2" STAR MODEL SG ●
DRY	165 DRY PENDANT



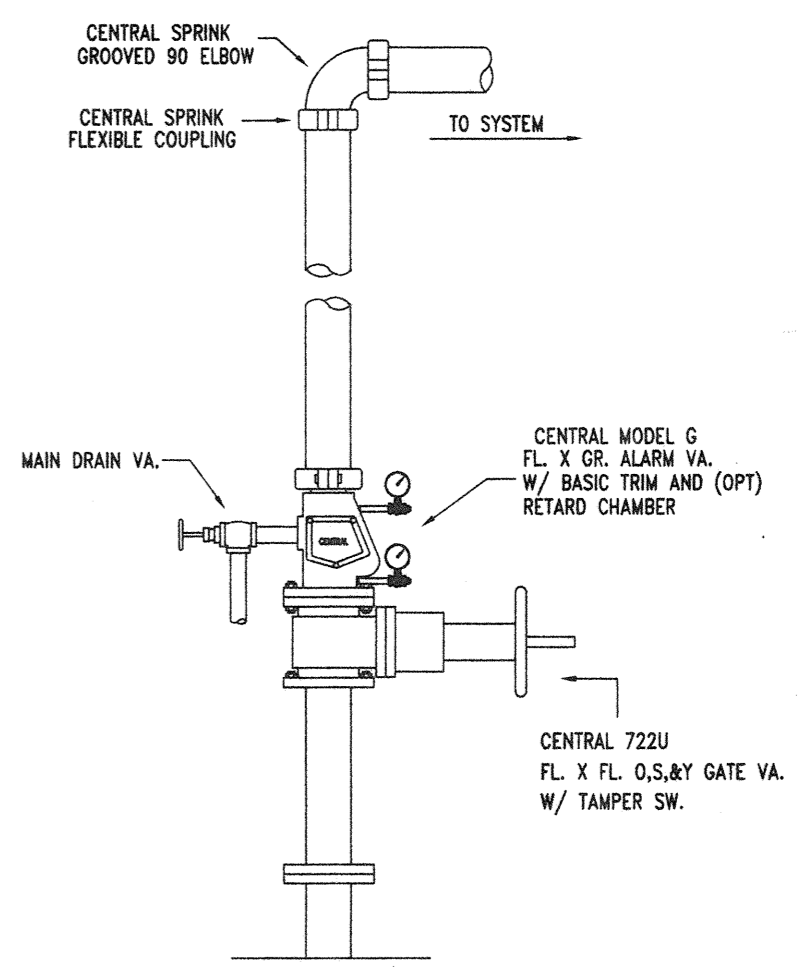
SEE SITE PLAN FOR CONTINUATION

MAIN RISER SEE DETAIL BELOW

SEE ZONE ASSEMBLY DETAIL AT LEFT ZONE IDENTIFICATION BY ALARM CONTRACTOR



UNDERGROUND LEAD-IN DETAIL  
NOT TO SCALE



RISER DETAIL  
NOT TO SCALE

- GENERAL NOTES**
1. ALL PIPING 2 1/2" OR LARGER IS TO BE SCH. 10 STEEL WITH GROOVED COUPLINGS, FITTINGS, AND MECHANICAL TEE OUTLETS.
  2. ALL PIPING 2" OR SMALLER IS TO BE SCH. 40 OR CPVC WITH EITHER THREADED OR CPVC FITTINGS PER LISTING.
  3. COMMONWEALTH SPRINKLER IS TO START WORK AT PIPING LEFT BY OTHERS AT 5'-0" OUTSIDE BUILDING.
  4. ALL HANGERS AND HANGER LOCATIONS ARE TO BE IN ACCORDANCE WITH NFPA 13.
  5. ALL PAINTING AND ELECTRICAL WIRING IS TO BE PROVIDED AND INSTALLED BY OTHERS.
  6. THIS SPRINKLER SYSTEM IS TO BE SUPERVISED BY AN ELECTRICAL ALARM SYSTEM PROVIDED AND INSTALLED BY OTHERS.

SYMBOL	DESCRIPTION
⊙	SPRINKLER HEAD - SEE SPRINKLER LEGEND FOR DESCRIPTIONS
⊞	HYDRAULIC REF. POINT
⊕	MAIN RISER LOCATION
↑	PIPE UP
↓	PIPE DOWN
—	COUPLING
—	HANGER LOCATION
20'-0"	DISTANCE - F.F. TO ⌀ PIPE
+0'-0"	DISTANCE - ⌀ PIPE TO T.O.S.
MT	MAIN PIPE TAG
BT	BRANCH PIPE TAG
⊞	ELECTRIC BELL
⊞	WATER MOTOR GONG



PROJECT: RUBICON, INC  
MENS TREATMENT  
RADY STREET  
RICHMOND, VA

CONTRACTOR: KJELLSTROM & LEE

DATE: 8-10-98	SHEET NO. 1
SCALE: AS NOTED	
DRAWN BY: JOE BECK	
JOB NO.: CSC-632	FILE NO.: 6321.DWG

FIRST FLOOR SPRINKLER PLAN: SCALE - 1/8" = 1'-0"

AS BUILT  
DATE: 3-10-99

REVISIONS	DATE
A/E COMMENT REVISIONS	9/28/98

SECOND FLOOR HEAD COUNT  
 145 1/2" STAR MODEL SG  
 WET OR CHROME PENDANT  
 W/ 2 PIECE SEMI CHROME ESC

REMOTE AREA #2  
 LIGHT HAZARD - 0.10/1500 SQ FT  
 277.5 GPM AT 58.2 PSI REQD  
 67.0 PSI AVAIL-8.8 PSI SAFETY

- GENERAL NOTES**
1. ALL PIPING 2 1/2" OR LARGER IS TO BE SCH. 10 STEEL WITH GROOVED COUPLINGS, FITTINGS, AND MECHANICAL TEE OUTLETS.
  2. ALL PIPING 2" OR SMALLER IS TO BE SCH. 40 OR CPVC WITH THREADED OR CPVC FITTINGS PER LISTING.
  3. COMMONWEALTH SPRINKLER IS TO START WORK AT PIPING LEFT BY OTHERS AT 5'-0" OUTSIDE BUILDING.
  4. ALL HANGERS AND HANGER LOCATIONS ARE TO BE IN ACCORDANCE WITH NFPA 13.
  5. ALL PAINTING AND ELECTRICAL WIRING IS TO BE PROVIDED AND INSTALLED BY OTHERS.
  6. THIS SPRINKLER SYSTEM IS TO BE SUPERVISED BY AN ELECTRICAL ALARM SYSTEM PROVIDED AND INSTALLED BY OTHERS.

SYMBOL	DESCRIPTION
⊙ ⊚ ⊛	SPRINKLER HEAD - SEE SPRINKLER LEGEND FOR DESCRIPTIONS
⊞ ⊠	HYDRAULIC REF. POINT
⊗	MAIN RISER LOCATION
—	PIPE UP
—	PIPE DOWN
—	COUPLING
—	HANGER LOCATION
0'-0"	DISTANCE - F.F. TO ♂ PIPE
0'-0"	DISTANCE - ♀ PIPE TO T.O.S.
M	MAIN PIPE TAG
B	BRANCH PIPE TAG
⊞	ELECTRIC BELL
⊞	WATER MOTOR GONG

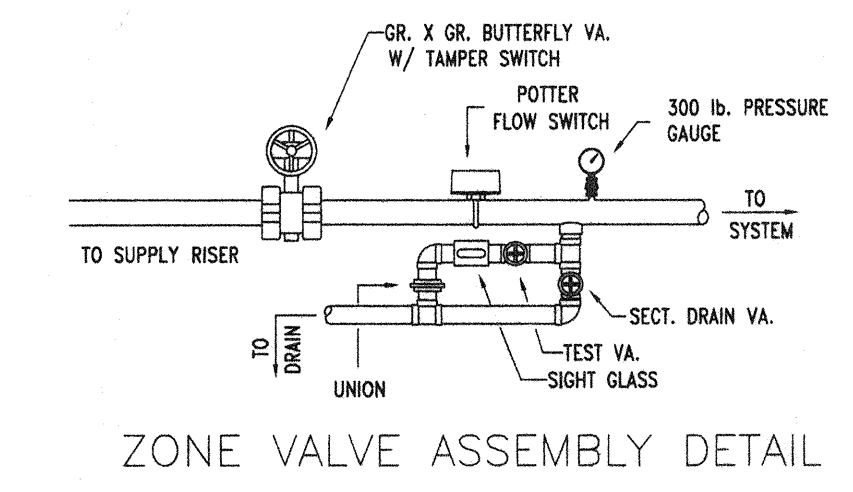


PROJECT:  
**RUBICON, INC.**  
**MENS TREATMENT**  
 RADY STREET  
 RICHMOND, VA

CONTRACTOR:  
 KJELLSTROM & LEE

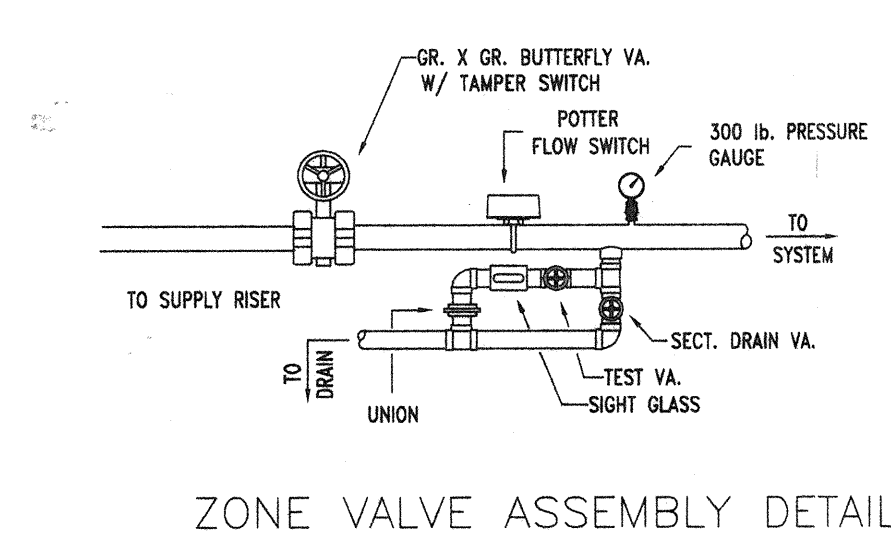
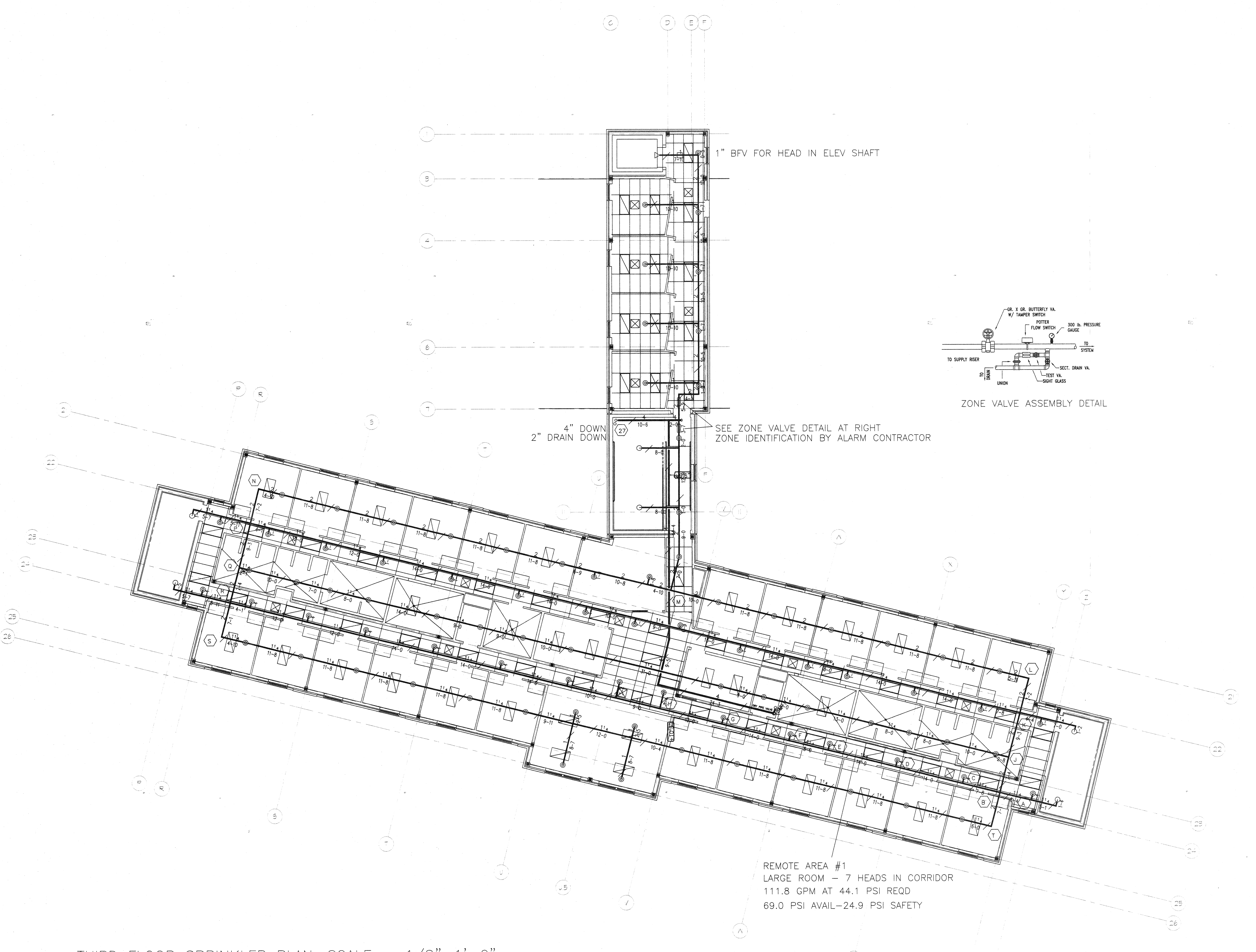
DATE: 8-10-98	SHEET NO.:
SCALE: AS NOTED	2
DRAWN BY:	
JOB NO.:	FILE NO.:
CSC-632	6322.DWG

SECOND FLOOR SPRINKLER PLAN: SCALE - 1'8"=1'-0"



REVISIONS	DATE
A/E COMMENT REVISIONS	9/28/98

THIRD FLOOR HEAD COUNT	
87	1/2" STAR MODEL SG WET QR CHROME PENDANT W/ 2 PIECE SEMI ESC
6	1/2" STAR MODEL SG WET QR BRASS UPRIGHT
1	1/2" STAR MODEL LD-2 WET QR CHROME SIDEWALL



1" BFV FOR HEAD IN ELEV SHAFT

4" DOWN  
2" DRAIN DOWN

SEE ZONE VALVE DETAIL AT RIGHT  
ZONE IDENTIFICATION BY ALARM CONTRACTOR

REMOTE AREA #1  
LARGE ROOM - 7 HEADS IN CORRIDOR  
111.8 GPM AT 44.1 PSI REQD  
69.0 PSI AVAIL-24.9 PSI SAFETY

THIRD FLOOR SPRINKLER PLAN: SCALE - 1/8"=1'-0"

- GENERAL NOTES
- ALL PIPING 2 1/2" OR LARGER IS TO BE SCH. 10 STEEL WITH GROOVED COUPLINGS, FITTINGS, AND MECHANICAL TEE OUTLETS.
  - ALL PIPING 2" OR SMALLER IS TO BE SCH. 40 OR CPVC WITH THREADED OR CPVC FITTINGS PER LISTING.
  - COMMONWEALTH SPRINKLING IS TO START WORK AT PIPING LEFT BY OTHERS AT 5'-0" OUTSIDE BUILDING.
  - ALL HANGERS AND HANGER LOCATIONS ARE TO BE IN ACCORDANCE WITH NFPA 13.
  - ALL PAINTING AND ELECTRICAL WIRING IS TO BE PROVIDED AND INSTALLED BY OTHERS.
  - THIS SPRINKLER SYSTEM IS TO BE SUPERVISED BY AN ELECTRICAL ALARM SYSTEM PROVIDED AND INSTALLED BY OTHERS.

SYMBOL	DESCRIPTION
(S)	SPRINKLER HEAD - SEE SPRINKLER LEGEND FOR DESCRIPTIONS
(H)	HYDRAULIC REF. POINT
(R)	MAIN RISER LOCATION
—○—	PIPE UP
—●—	PIPE DOWN
— —	COUPLING
—/—	HANGER LOCATION
0'-0"	DISTANCE - F.F. TO $\phi$ PIPE
0'-0"	DISTANCE - $\phi$ PIPE TO T.O.S.
(M)	MAIN PIPE TAG
(B)	BRANCH PIPE TAG
(E)	ELECTRIC BELL
(G)	WATER MOTOR GONG

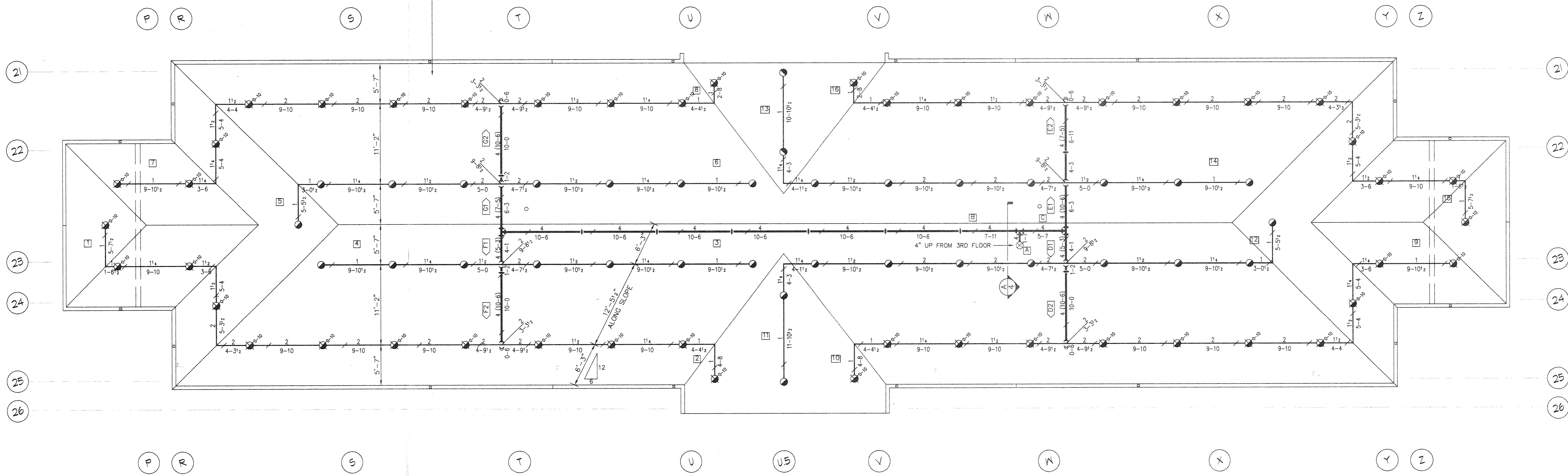
**COMMONWEALTH**  
Sprinkler Co., Inc.  
P.O. Box 968, Troy, VA 22974  
(804) 589-2270

PROJECT:  
**RUBICON, INC.  
MENS TREATMENT**  
RADY STREET  
RICHMOND, VA

CONTRACTOR:  
KJELLSTROM & LEE

DATE: 8-10-98	SHEET NO.:
SCALE: AS NOTED	<b>3</b>
DRAWN BY:	
JOB NO.:	FILE NO.:
CSC-632	6323.DWG

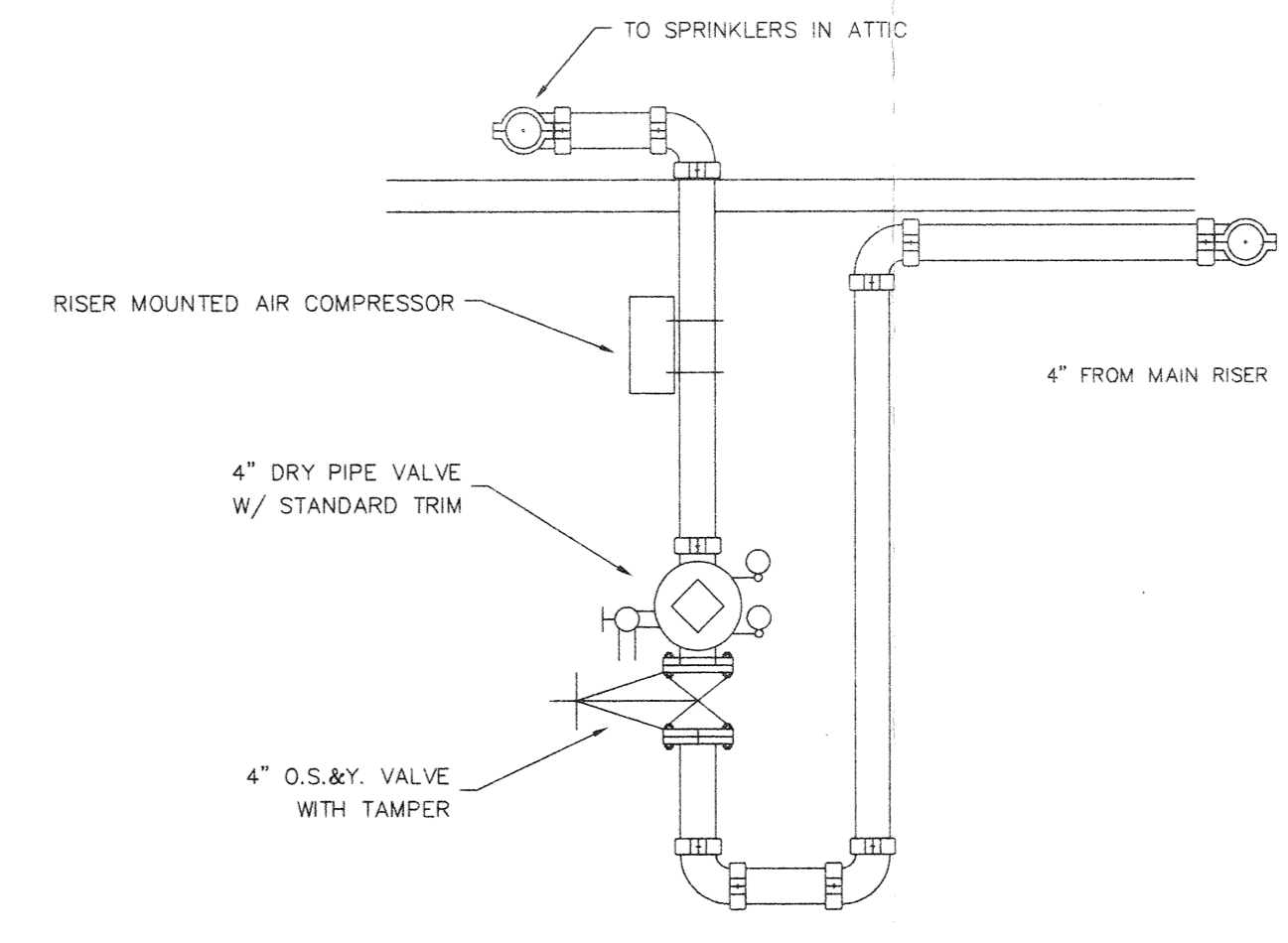
HYDRAULIC DESIGN DATA  
 REMOTE AREA: ATTIC (DRY)  
 LIGHT HAZARD  
 DENSITY: .10 GPM/SQ.FT.  
 DESIGN AREA: 1950 SQ.FT.  
 HOSE ALLOWANCE: 100 GPM  
 SYSTEM DEMAND: 464.6 GPM  
 AT SOURCE : 58.5 PSI



**ATTIC SPRINKLER PLAN**

SCALE : 1/8" = 1'-0"  
 1 2 3 4 5 6 7 8 9 10 11 12

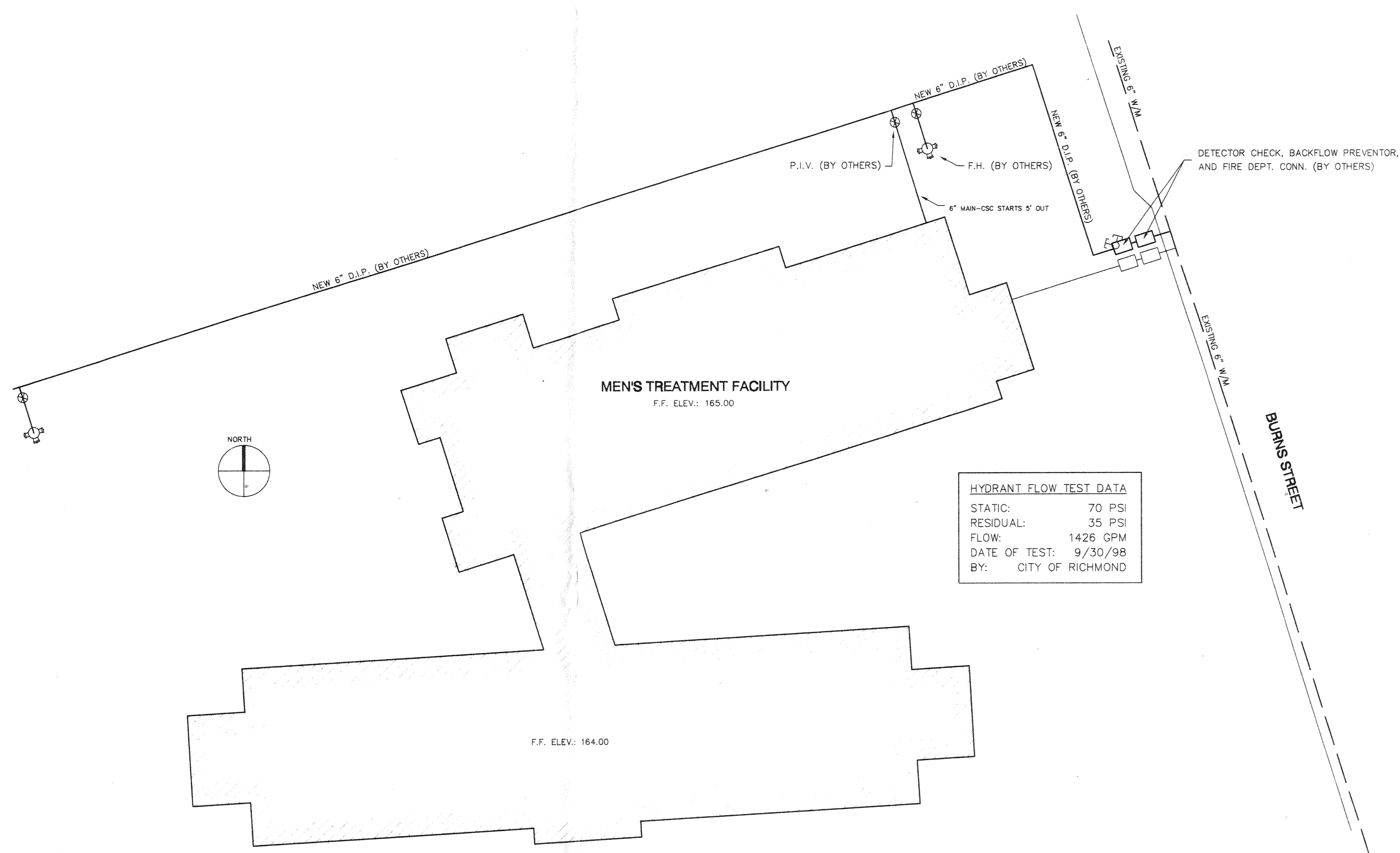
80 T" STAR MODEL SQ 200  
 DRY BRASS UPRIGHT



**SECTION**

**A  
4**

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



HYDRANT FLOW TEST DATA  
 STATIC: 70 PSI  
 RESIDUAL: 35 PSI  
 FLOW: 1426 GPM  
 DATE OF TEST: 9/30/98  
 BY: CITY OF RICHMOND

**SITE PLAN**

SCALE : 1" = 40'

REVISIONS	DATE
A/E COMMENT REVISIONS	9/28/98

SYMBOL	DESCRIPTION
	SPRINKLER HEAD - SEE SPRINKLER LEGEND FOR DESCRIPTIONS
	HYDRAULIC REF. POINT
	MAIN RISER LOCATION
	PIPE UP
	PIPE DOWN
	COUPLING
	HANGER LOCATION
	DISTANCE - F.F. TO PIPE
	DISTANCE - PIPE TO T.O.S.
	MAIN PIPE TAG
	BRANCH PIPE TAG
	ELECTRIC BELL
	WATER MOTOR GONG

**COMMONWEALTH**  
 Sprinkler Co., Inc.  
 P.O. Box 968 Troy, VA 22974  
 (804) 589-2270

PROJECT  
**RUBICON, INC**  
**MENS TREATMENT**  
 RADY STREET  
 RICHMOND, VA

CONTRACTOR:  
 KJELLSTOM & LEE

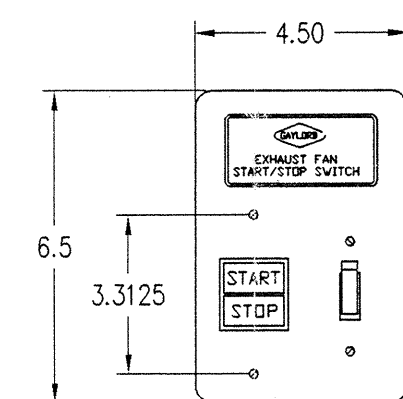
DATE: 8-10-98	SHEET NO.:
SCALE: AS NOTED	<b>4</b>
DRAWN BY:	
JOB NO. CSC-632	FILE NO. 6324.DWG

**GENERAL NOTES FOR NON WATER WASH VENTILATORS**

- EXHAUST VOLUME REQUIREMENTS**
- Exhaust volumes as shown on this drawing are determined by established Gaylord engineering criteria and in accordance with the terms of the UL listing.
  - Static pressure is AS NOTED w/g at duct take-off collar. Refer to drawing. Total duct and external static must be added to above for determining proper exhaust fan static pressure drop. Static based on operation at mean sec level.
  - Duct size based on 1800 fpm.
- MAKE UP AIR REQUIREMENTS**
- Make-up air should be supplied for replacement of air exhausted through all kitchen exhaust systems. Unless built in as part of the ventilator, make-up air should be delivered through registers at ceiling height and distributed throughout the kitchen. A general rule of thumb is that 75% to 80% of the replacement air should be fresh, conditioned (heated or cooled) air brought into the kitchen areas - with the remaining 20% to 25% allowed to flow into the kitchen from adjacent areas.
- ELECTRICAL**
- Locate Model C-250 Fan Start/ Stop Switch in a convenient location.
  - If ventilators are equipped with light fixtures, provide a separate [X] 120 volt, [ ] 220volt, [ ] 50 Hz, [X] 60 Hz, single phase lighting circuit to light J-box (A) on ventilator.
- INSTALLATION**
- Ventilators to be installed in accordance with NFPA-96 and all other local applicable codes. Contractors must review applicable codes with code authorities before approving drawings for fabrication. Special attention must be given to code regulations relative to clearances from surrounding combustible construction (walls, ceiling, etc.).
  - Ventilators manufactured in multiple sections are factory prepared to be reconnected by electrical contractors.
  - All ductwork beyond the ventilator duct take-off collar to be provided and installed by others, in accordance with applicable codes. Exhaust ducts must be greased and water tight with continuous external welds.
  - All ventilators are equipped with hanging brackets. Hanging rods to be supplied by ventilator installer. Hanging weight of the ventilator(s) is noted on this drawing.
- CONSTRUCTION**
- Ventilators are manufactured in strict accordance with Gaylord specifications.
  - Ventilators constructed of 18 Ga. stainless steel, Type 304, No. 4 finish unless otherwise noted on drawings.
- FIRE EXTINGUISHING SYSTEM**
- Fire extinguishing system furnished and installed in accordance with NFPA-96 by GAYLORD MFR. (FIRE-PROOF ONLY).
  - Caution: Fire extinguishing system piping installed on the ventilator at job site should be coordinated with the Gaylord Manufacturer to ensure piping does not interfere with ventilator's operation/performance. Improper installation may void UL Listings of the ventilator.
  - IMPORTANT NOTE: NFPA-96 requires that all gas cooking equipment and electric cooking equipment, that is protected by surface fire protection, must automatically shut off upon activation of the fire extinguishing system.
  - IMPORTANT NOTE: Most building departments require separate hood and fire protection permits prior to installation. The hood permit is typically obtained through the plan review department and the fire protection permit from the fire prevention bureau. It is the responsibility of the installing contractor to check with local building departments for their requirements and to obtain necessary permits.

**WIRING DATA FOR VH SERIES VENTILATOR**

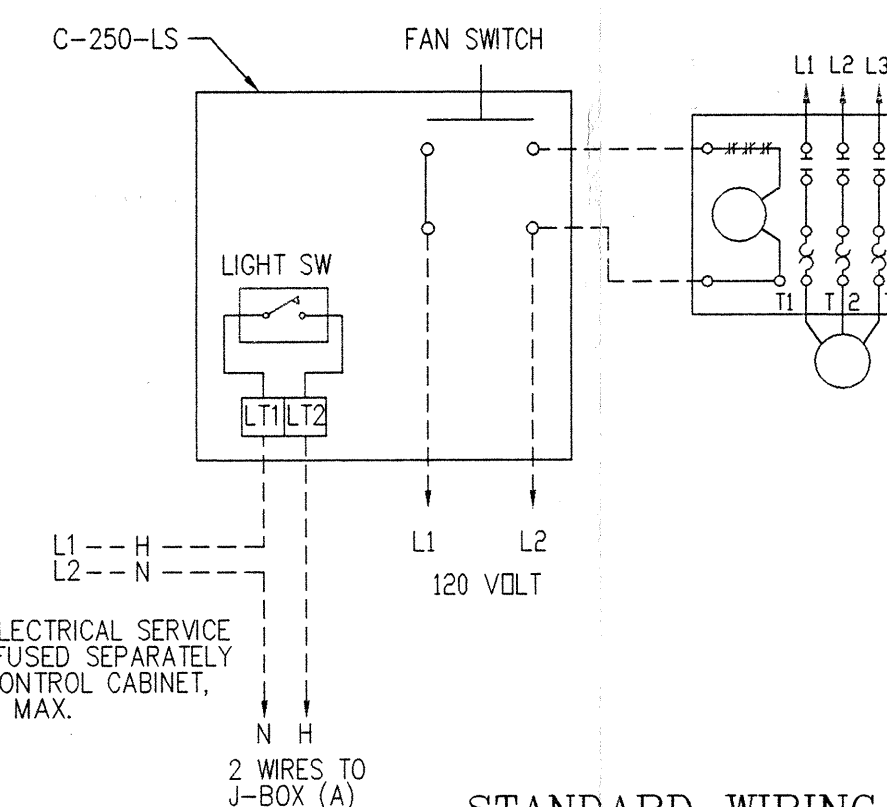
- FAN ON/OFF SWITCH LOCATED ON FACE OF HOOD, FURNISHED AND WIRED TO J-BOX (A) BY GAYLORD MFR.
- TWO WIRES FROM J-BOX (A) TO 120 VOLT SERVICE BY ELECTRICAL CONTRACTOR.
- TWO WIRES FROM J-BOX (A) TO MAGNETIC STARTER SWITCH FOR EXHAUST FAN BY ELECTRICAL CONTRACTOR.
- LIGHT SWITCH FOR LIGHT FIXTURE LOCATED ON FACE OF HOOD AND WIRED TO J-BOX (A) BY GAYLORD MFR.
- 120 VOLT A.C. SERVICE FOR LIGHTS TO J-BOX (A) BY ELECTRICAL CONTRACTOR.
- LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (A) BY GAYLORD MANUFACTURER.



**FAN ON-OFF/LIGHT SWITCH**  
Model C-250-LS  
MOUNTED ON VENTILATOR

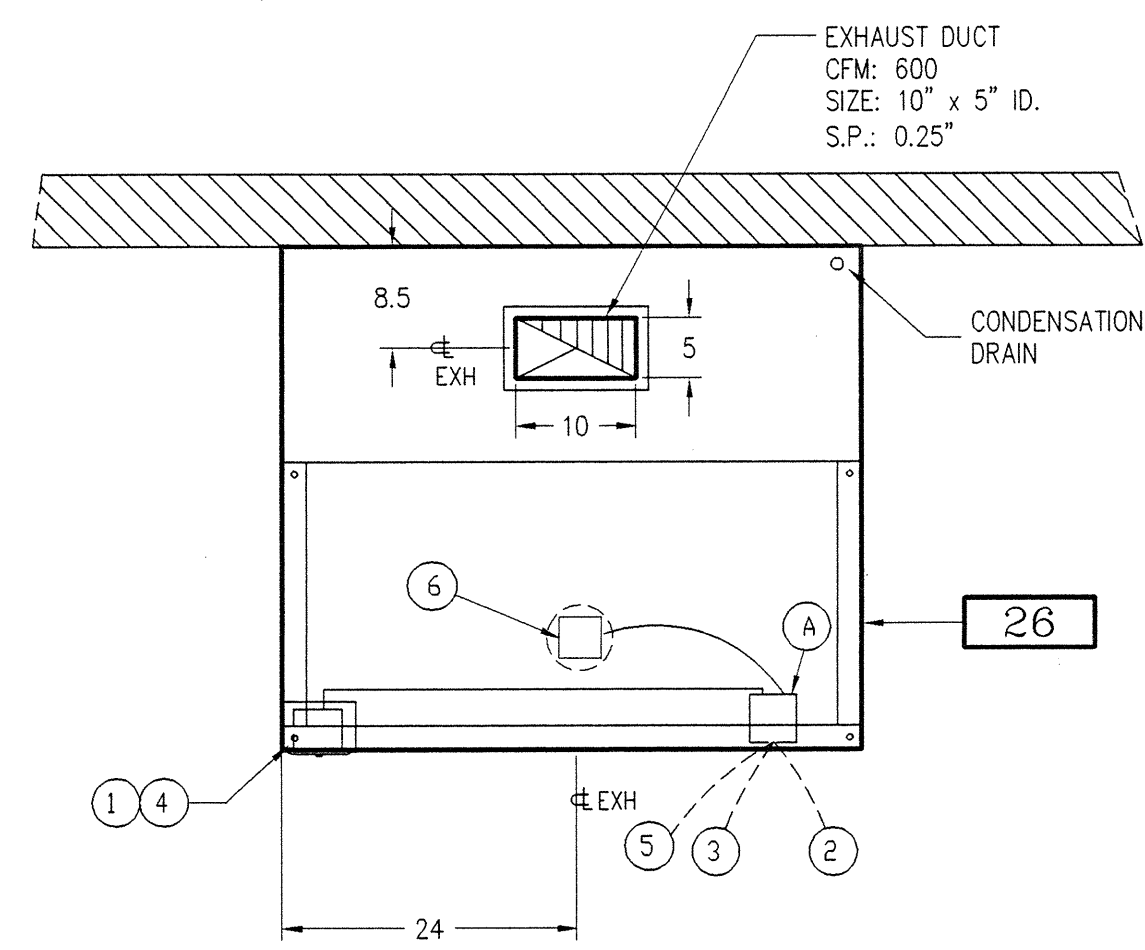
ALL EXTERNAL CONTROL WIRING SHALL BE 12 GA. MIN. OR AS PER APPLICABLE CODES.  
-- FIELD WIRING BY OTHERS  
-- WIRING BY GAYLORD MFR.

SUPPLY VOLTAGE:  
[X] 120V/1PH  
[ ] 220V/1PH  
[ ] 50HZ  
[X] 60HZ  
(VERIFY)

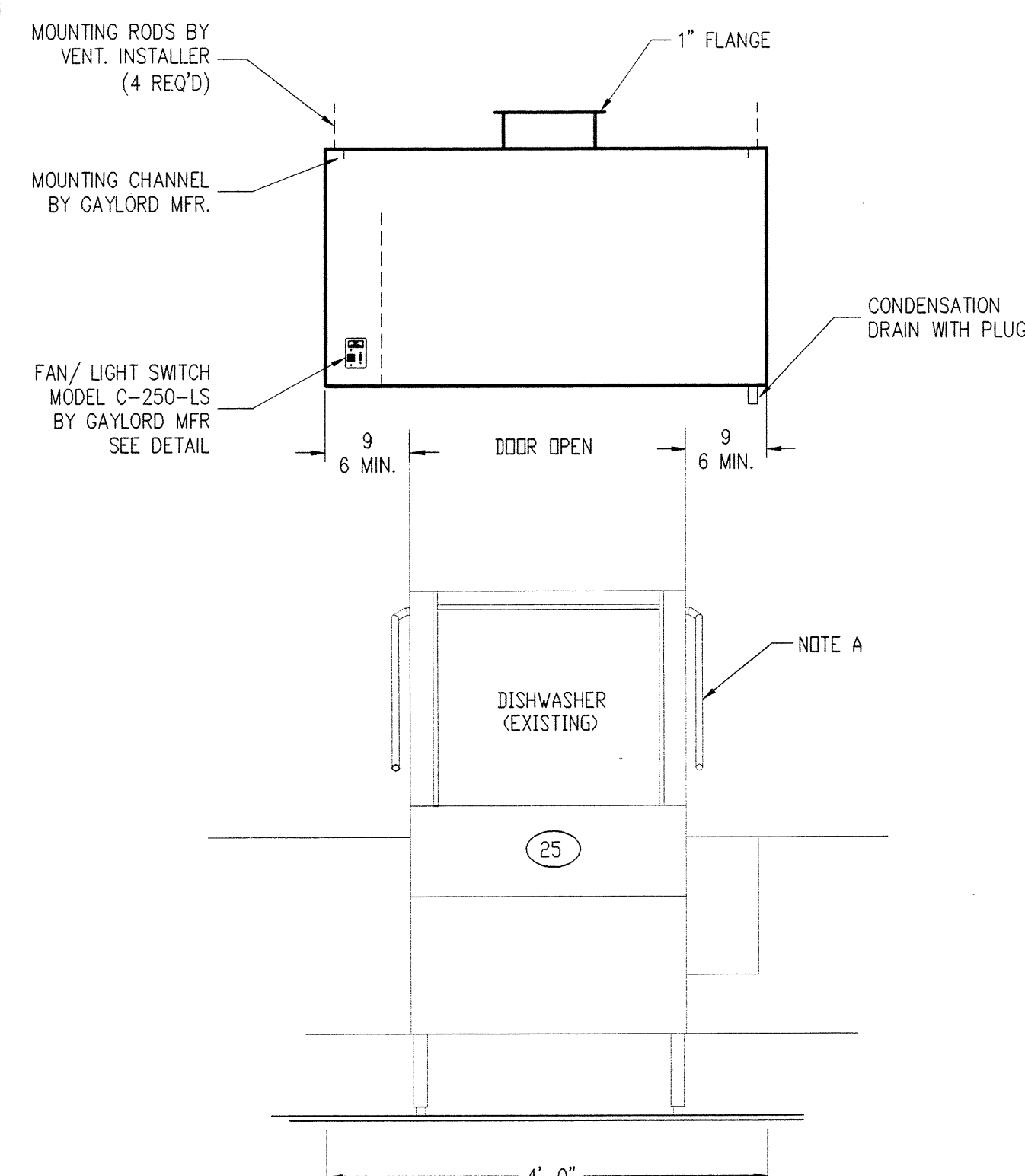


**STANDARD WIRING DIAGRAM FOR VH SERIES VENTILATOR**

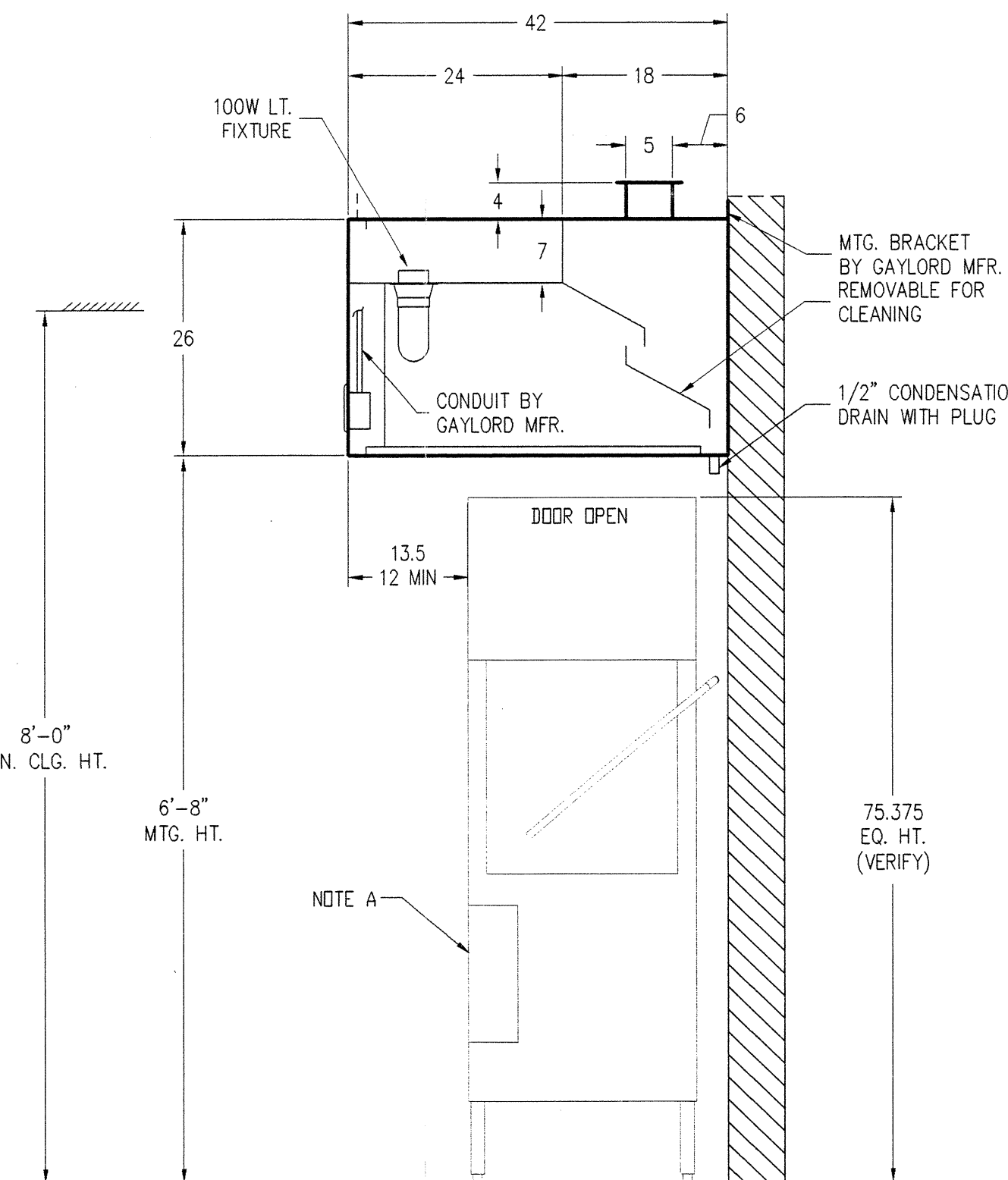
ONE EXHAUST FAN REQ'D. TOTAL CFM: 600.  
VENTILATOR DUCT STATIC PRESSURE: 0.25"



**PLAN VIEW**



**ELEVATION VIEW**



**SECTION VIEW**

**NOTES:**  
A) VERIFY ALL MAKES AND MODELS OF COOKING EQUIPMENT AND LOCATION IN RELATION TO THE VENTILATOR PRIOR TO FABRICATION.

**IMPORTANT NOTE**  
EXACT FLOOR TO STRUCTURAL CEILING AND FLOOR TO FINISH CEILING HEIGHTS MUST BE VERIFIED FOR VENTILATOR DESIGN. INCORRECT HEIGHTS MAY CAUSE THE VENTILATOR TO NOT FIT PROPERLY OR COMPLY WITH CLEARANCES SPECIFIED IN APPLICABLE CODES AND STANDARDS.  
FLOOR TO STRUCTURAL CEILING: (VERIFY)  
FLOOR TO FINISH CEILING: 8'-0"

**THE GAYLORD VENTILATOR TESTING, LISTING AND APPROVAL REFERENCES:**

**NATIONAL FIRE PROTECTION ASSOCIATION**  
In Accordance with Recommendation of National Fire Protection Association's NFPA No. 96, "Vapor Removal from Cooking Equipment".

**NATIONAL SANITATION FOUNDATION**  
Standard # 2 - "Food Service Equipment"

**UNDERWRITERS LABORATORIES, INC.**  
Tested under standard U.L. 710 "Exhaust Hoods for Commercial Cooking Equipment". U.L. listed under file number MH1403 and MH13522.

**UNDERWRITERS LABORATORIES OF CANADA**  
U.L.C. listed under file number CR458 and CR1546.

**CANADIAN STANDARDS ASSOCIATION**  
File Number LR1981 and LR23186.

**APPROVAL NOTICE**  
Prior to releasing the ventilator for fabrication, this drawing must be signed by an authorized representative of \_\_\_\_\_ and returned to GAYLORD INDUSTRIES, INC. verifying the following have been checked:  
1. All dimensions such as duct size and location, drain and hot water location, ceiling height, clearances to beams and other obstructions and overall size of ventilator.  
2. The location of the cooking equipment in relation to the ventilator is correct as shown for proper placement of the surface fire protection nozzles.

**IMPORTANT NOTICE**  
Any changes in equipment location, necessitating the relocation of the surface fire protection nozzles, must be brought to the attention of GAYLORD INDUSTRIES, INC. in writing, prior to the kitchen being turned over to operating personnel.

Revise and Resubmit  
 Without changes  
 With changes as shown

APPROVED FOR FABRICATION  
Signature \_\_\_\_\_ Date \_\_\_\_\_

INSTALLATION INFORMATION				
MAXIMUM VENTILATOR DIMENSION: 4'-0" L X 3'-5" W X 2'-6" H. ESTIMATED HANGING WEIGHT: 180 LBS.	VENTILATORS TO BE SHIPPED IN 1 UNIT(S). ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT, RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.			
2	JFO	12/11/98	CHANGED HOOD DEPTH TO 42", VERIFIED FIN. CLG. HT.	J.R.
A	EZ	11/6/98	NO CHANGES TO THIS SHEET	
REV	DRWN BY	DATE	REVISIONS	APPR BY

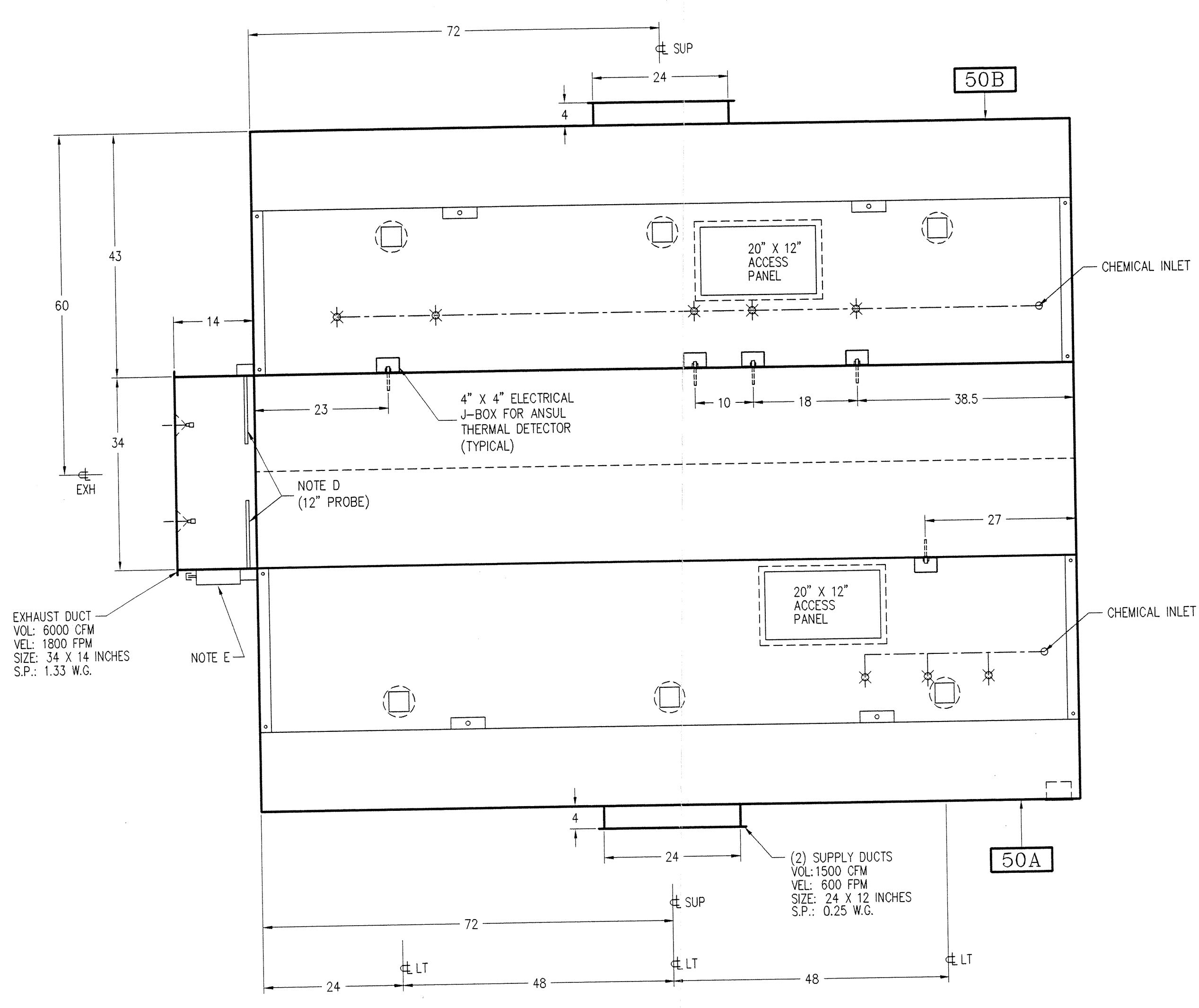
This plan is made from available information, but measurements are to be verified by contractors, installers and others in connection with this job. Gaylord Industries accepts no responsibility for work done by contractors, installers and others and will not stand any expense for charges made necessary by local building codes, ordinances, structural conditions or by the substitution or changes in equipment shown in this plan. This plan must be verified and approved by proper parties before fabrication can be started and approval shall not be made unless contractors, installers and others have reviewed applicable codes with code authorities. Reference is made to the general notes which are a part of these plans and all contractors, installers and others utilizing these plans are advised they are responsible for examining and becoming familiar with said general notes before commencing any work hereunder. Any inconsistencies between these plans and the general notes, or between these plans, the general notes and local building codes or ordinances must be immediately called to the attention of Gaylord Industries in writing so that any such inconsistencies can be resolved. This plan is the property of Gaylord Industries and is not to be copied, reproduced, or distributed, either in whole or in part. It is not to be used unless under Gaylord Industries supervision, directly or otherwise, nor may it be used in any way detrimental to Gaylord Industries with profits based and pending.

UNITED STATES PAT. NOS. 3,611,809 - 3,785,124 - 3,788,041 - 4,072,143 - 4,206,529 - 4,281,635 - 4,356,870  
AUSTRALIA PAT. NOS. 465,037 - 481,510 - 548,848  
BRAZIL PAT. NO. 7,307,145  
CANADA PAT. NOS. 926,689 - 940,761 - 1,004,155 - 1,086,126 - 1,139,151 - 1,155,366  
FRANCE PAT. NOS. 72,27217 - 73,32718 - 77,28988  
GERMANY PAT. NOS. 3,152,501 - 8,034,240  
GREAT BRITAIN PAT. NOS. 1,330,857 - 1,386,065 - 1,558,537 - 2,099,697  
JAPAN PAT. NOS. 797,637 - 917,077 - 1,045,507 - 1,378,103 - 1,280,556  
NEW ZEALAND PAT. NO. 167,864  
SOUTH AFRICA PAT. NOS. 72,4721 - 73,6051 - 81,7998  
SWISS CROSS PAT. NOS. 565,329 - 691,668-9  
OTHER U.S. AND FOREIGN PATENTS PENDING.

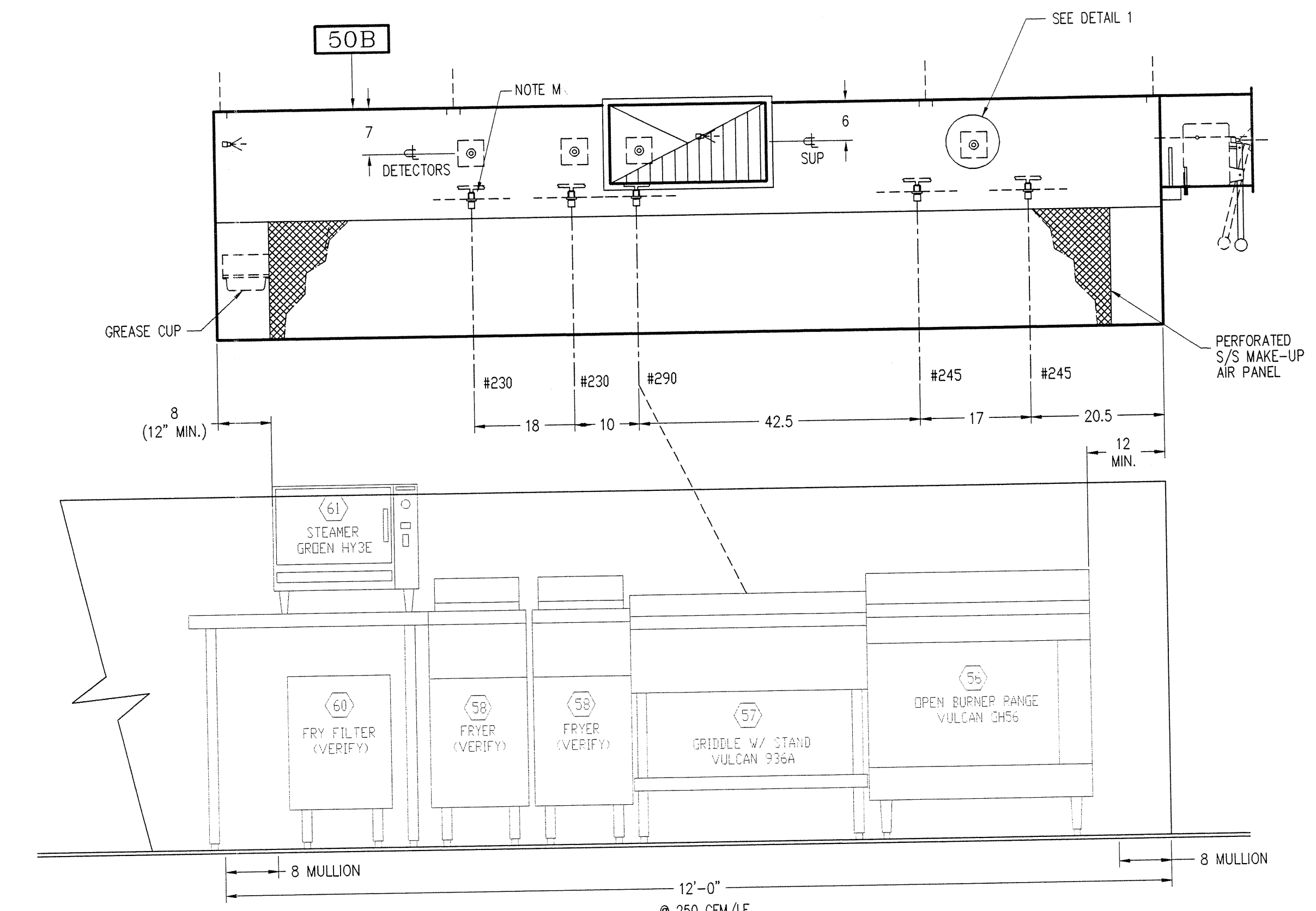
**GAYLORD® INDUSTRIES, INC.**

10900 S.W. AVERY ST. • P.O. BOX 1149 • TUALATIN • OREGON 97062  
TEL: 503-691-2010 • TOLL FREE: 800-547-9696 • FAX: 503-692-6048

MODEL #	ITEM #	WORK ORDER #
VH-W-42	26	8124101
DIMENSION TOLERANCE ± 1/4" (6MM)		
DRAWN BY: JFO	CHECKED BY:	APPROVED BY: DESIGN CHECK: ELECT. CHECK: F.P. CHECK:
<b>RUBICON MEN'S FACILITY</b>		
<b>RICHMOND, VA.</b>		
DRAWING NO: 98-1241-2	DATE: 3-16-98	SCALE: 3/4"=1'-0" REV: 2 SHEET NO: 1 of 3

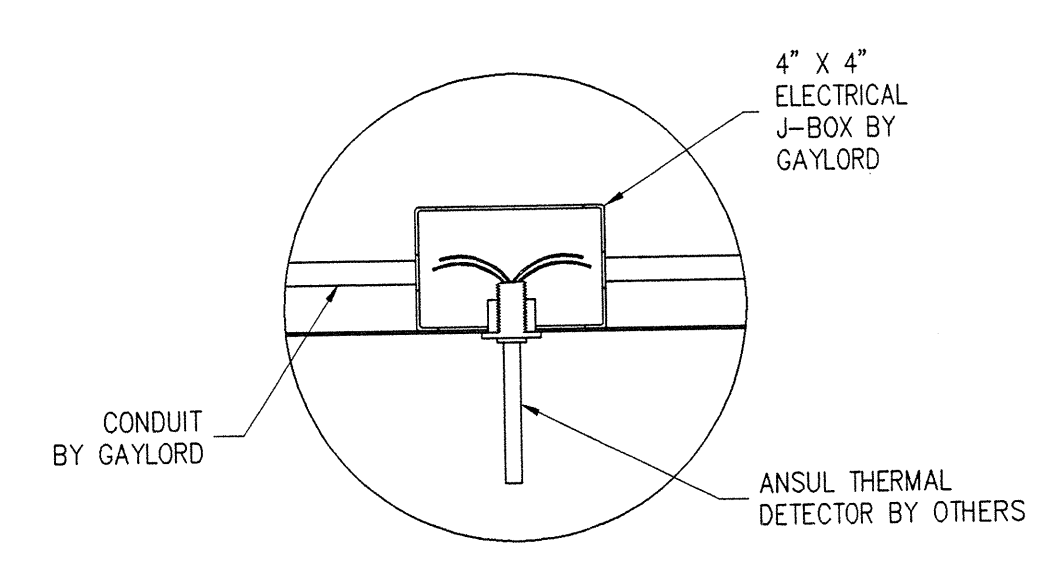


PLAN VIEW



ELEVATION VIEW

SHOP NOTE:  
NOTHING TO BE ON TOP OF HOOD



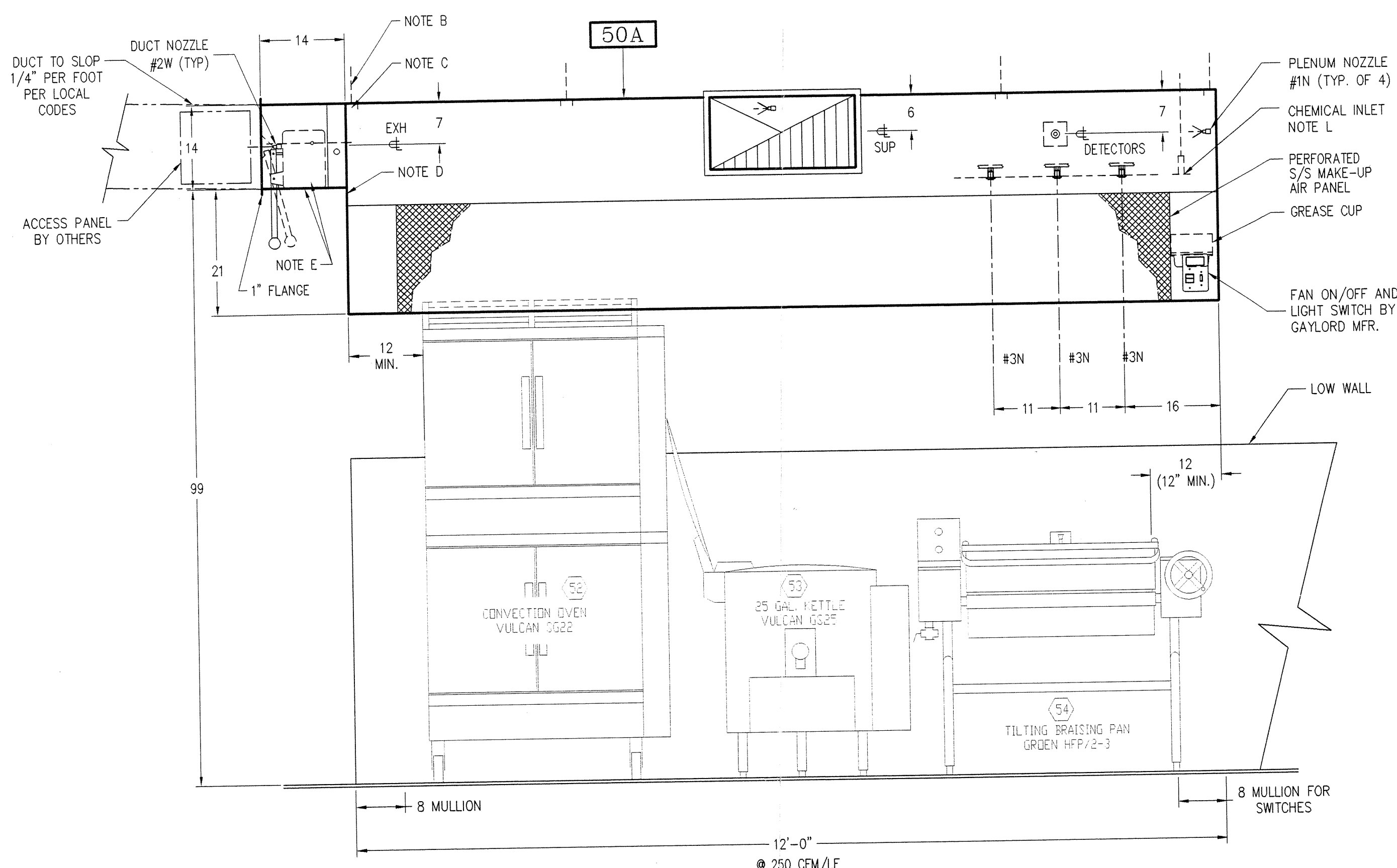
DETAIL 1

NOTES:

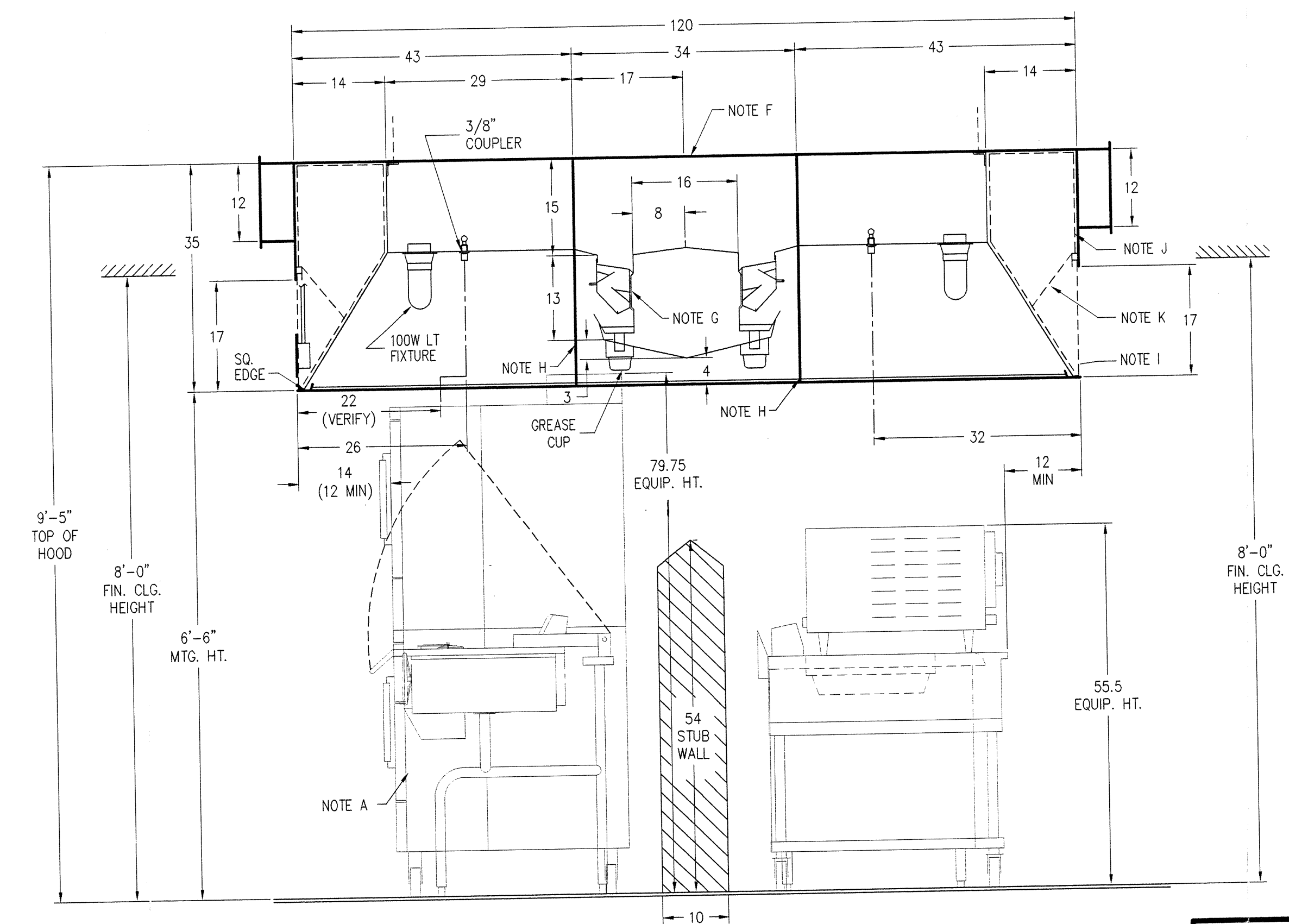
- A) VERIFY ALL MAKES AND MODELS OF COOKING EQUIPMENT AND LOCATION IN RELATION TO THE VENTILATOR PRIOR TO FABRICATION.
- B) MOUNTING RODS BY VENT. INSTALLER (12) REQUIRED.
- C) MOUNTING SUPPORTS BY GAYLORD MFR.
- D) NOTE: THERMOSTAT J-BOX MUST BE ACCESSIBLE.
- E) NOTE: EXHAUST DUCT PANEL AND DAMPER BOX (MODEL C-616XSH) MUST BE ACCESSIBLE.
- F) IF CODE REQUIRES A 3" AIR SPACE BETWEEN TOP OF PLENUM AND FINISHED CEILING, CONSULT FACTORY FOR THIS MODIFICATION.
- G) GX INSERTS
  - # 50A: (4) GX-16/14 GX-20
  - # 50B: (4) GX-16/14 GX-20
- H) VENTILATOR SEPARATED FOR SHIPPING AT THIS POINT (TYPICAL).
- I) PERFORATED S/S MAKE-UP AIR PANEL
- J) INSULATED PLENUM
- K) PERFORATED DIFFUSER PANEL
- L) CHEMICAL INLET PRE-PIPED TO THIS POINT BY GAYLORD MFR., CONNECTED TO ANSUL CABINET BY FIRE PROTECTION CONTRACTOR.
- M) GAYLORD TO PRE-PIPE DUCT, PLENUM AND MAIN MANIFOLD ON TOP OF VENTILATOR FOR APPLIANCE DROPS. GAYLORD APPLIANCE DROPS TERMINATE AT ROOF OF VENTILATOR WITH HOOD PENETRATION FITTING AND 3/8" COUPLER. PIPING FROM THIS POINT TO PROPER NOZZLE POSITION OVER APPLIANCES BY FIRE PROTECTION CONTRACTOR. NOTE: CHROME SLEEVING AND CHROME FITTINGS SUPPLIED AND INSTALLED BY FIRE PROTECTION CONTRACTOR.

**FIRE PROTECTION NOTE:**  
LOCATION OF FIRE PROTECTION NOZZLES MUST BE VERIFIED IN RELATION TO THE COOKING EQUIPMENT PRIOR TO VENTILATOR FABRICATION.  
IF COOKING EQUIPMENT IS NOT LOCATED AS SHOWN AND DRAWING IS APPROVED FOR FABRICATION, THEN NOZZLES MUST BE RELOCATED AT OTHERS EXPENSE.

**IMPORTANT NOTE**  
**VERIFY CEILING CONDITIONS**  
EXACT FLOOR TO STRUCTURAL CEILING AND FLOOR TO FINISH CEILING HEIGHTS MUST BE VERIFIED FOR VENTILATOR DESIGN. INCORRECT HEIGHTS MAY CAUSE THE VENTILATOR TO NOT FIT PROPERLY OR COMPLY WITH CLEARANCES SPECIFIED IN APPLICABLE CODES AND STANDARDS.  
FLOOR TO STRUCTURAL CEILING : (VERIFY)  
FLOOR TO FINISH CEILING : 8'-0"



ELEVATION VIEW



SECTION VIEW

**INSTALLATION INFORMATION**

MAXIMUM VENTILATOR DIMENSION: 12'-0" L X 3'-7" W X 3'-4" H. ESTIMATED HANGING WEIGHT: 1920 LBS.	VENTILATORS TO BE SHIPPED IN 3 UNIT(S). ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT, RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.
--	--

REV	DRWN BY	DATE	CHANGES	REVISIONS
2	JFO	12/14/98	VERIFIED FIN. CLG. HT., ADJUSTED FP NOZZLE LOCATIONS PER VERIFIED EQUIP.	J. R.
A	EZ	11/6/98	CHANGES PER CUSTOMERS REQUEST	

This plan is made from available information, but measurements are to be verified by contractors, installers and others in connection with this job. Gaylord Industries accepts no responsibility for work done by contractors, installers and others and will not accept any expense for charges made necessary by local building codes, ordinances, structural conditions or by the substitution or changes in equipment shown in this plan. This plan must be verified and approved by proper parties before fabrication can be started and approval shall not be made unless contractors, installers and others have reviewed applicable codes with code authorities. Reference is made to the general notes which are a part of these plans and of contractors, installers and others utilizing these plans are advised they are responsible for examining and becoming familiar with said codes, ordinances, structural conditions and local building codes and general notes before commencing any work hereunder. Any inconsistencies between these plans and the general notes or between these plans and the general notes and local building codes or ordinances must be immediately called to the attention of Gaylord Industries in writing so that any such inconsistencies can be resolved. This plan is the property of Gaylord Industries and is not to be copied, reproduced or distributed, either in whole or in part, it is not to be used unless under Gaylord Industries supervision, directly or otherwise, nor may it be used in any way detrimental to Gaylord Industries. The Gaylord Ventilator is patented and owned by Gaylord Industries with patents issued and pending.

UNITED STATES PAT. NOS.: 3,611,909 - 3,785,124 - 3,788,041 - 4,072,443 - 4,298,529 - 4,281,535 - 4,356,870.  
AUSTRALIA PAT. NOS.: 465,037 - 461,510 - 548,848.  
BRAZIL PAT. NO.: 7,307,145.  
CANADA PAT. NOS.: 926,889 - 940,761 - 1,004,155 - 1,086,126 - 1,150,501 - 1,150,506.  
FRANCE PAT. NOS.: 72,272,17 - 73,327,18 - 77,269,98.  
GERMANY PAT. NOS.: 3,152,201 - 8,024,240.  
GREAT BRITAIN PAT. NOS.: 1,350,857 - 1,396,065 - 1,538,537 - 2,099,697.  
JAPAN PAT. NOS.: 797,537 - 917,017 - 1,045,597 - 1,378,103 - 1,580,556.  
NEW ZEALAND PAT. NO.: 167,964.  
SOUTH AFRICA PAT. NOS.: 774,721 - 73,800,81 - 81/7998.  
SWISS PAT. NOS.: 560,358 - 661,666-5.  
OTHER U.S. AND FOREIGN PATENTS PENDING.

**GAYLORD® INDUSTRIES, INC.**

10900 S.W. AVERY ST. • P.O. BOX 1149 • TUALATIN • OREGON 97062  
TEL. 503-691-2010 • TOLL FREE: 800-547-9696 • FAX: 503-692-6048

MODEL #	ITEM #	WORK ORDER #
GX-RDL-BB-MAW-120	50	8124102

**RUBICON MEN'S FACILITY**  
RICHMOND, VA.

**GAYLORD®**

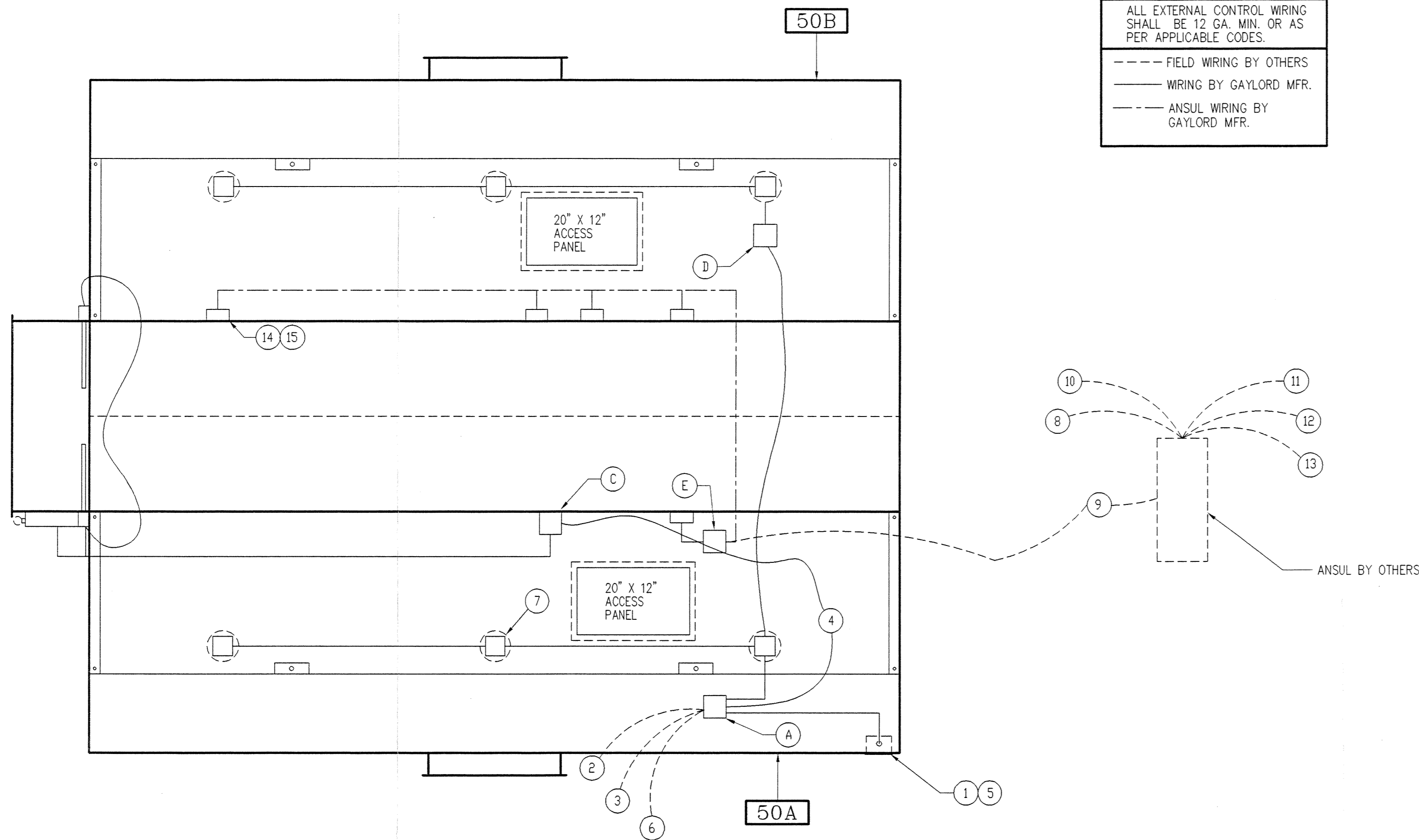
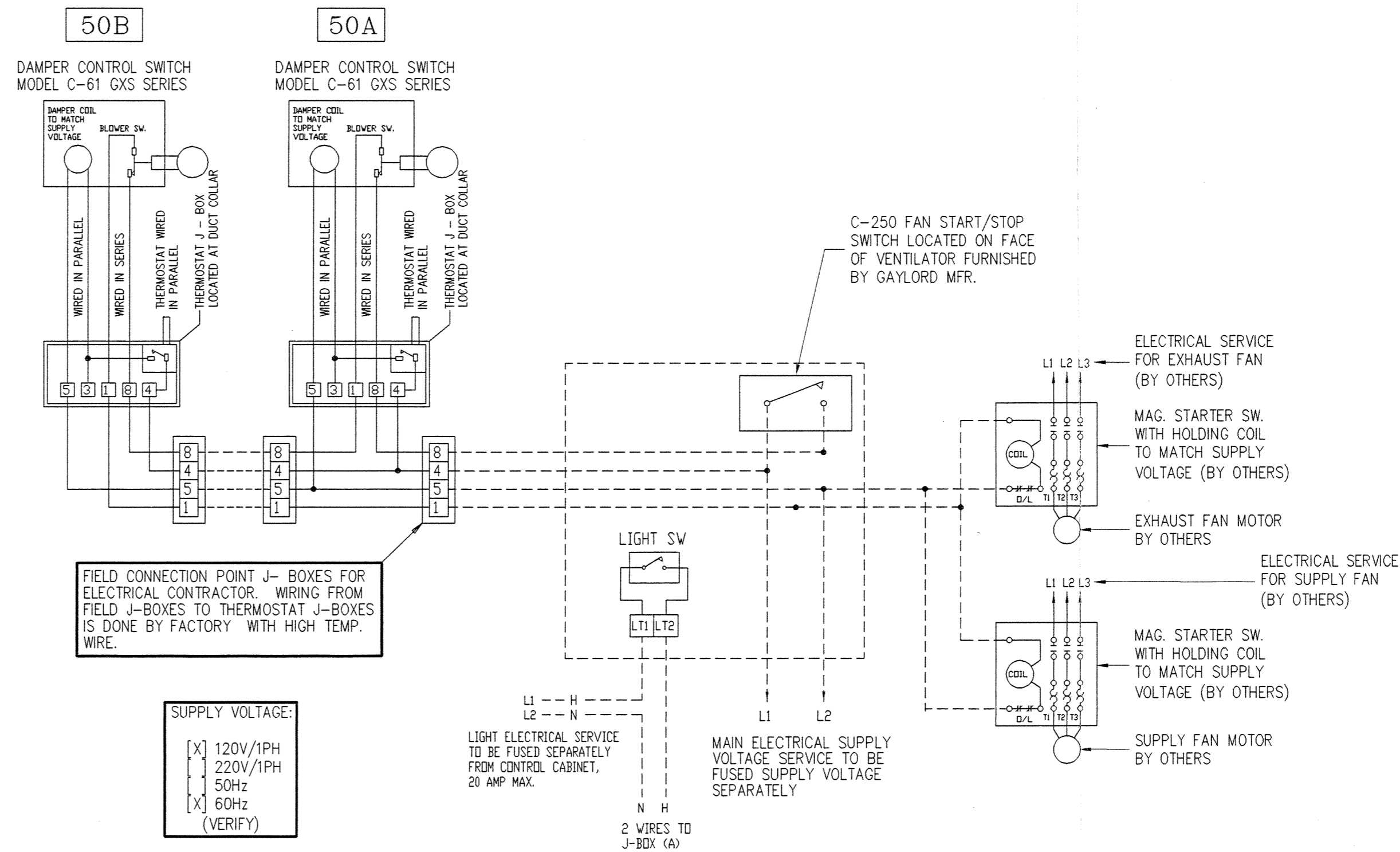
DRAWN BY: JFO	CHECKED BY:	APPROVED BY:	DESIGN CHECK:	ELECT. CHECK:	FP. CHECK:
DATE: 3-16-98	SCALE: 3/4"=1'-0"	REV: 2	SHEET NO.:	2 of 3	

**WIRING DATA FOR GX SERIES VENTILATOR**

- ① FAN ON/OFF SWITCH LOCATED ON FACE OF VENTILATOR FURNISHED AND WIRED TO J-BOX (A) BY GAYLORD MFR.
- ② TWO WIRES FROM FIELD J-BOX (A) TO SUPPLY VOLTAGE SERVICE BY ELECTRICAL CONTRACTOR.
- ③ TWO WIRES FROM FIELD J-BOX (A) TO MAGNETIC STARTER SWITCH BY ELECTRICAL CONTRACTOR.
- ④ FOUR WIRES FROM FIELD J-BOX (A) TO J-BOX (C) ON VENTILATOR BY GAYLORD MFR. DISCONNECTED FOR SHIPMENT AT J-BOX (C). JOB SITE RECONNECTION BY ELECTRICAL CONTRACTOR.
- ⑤ LIGHT SWITCH FOR LIGHT FIXTURES LOCATED ON FACE OF VENTILATOR AND WIRED TO J-BOX (A) BY GAYLORD MFR.
- ⑥ 120 VOLT A.C. SERVICE FOR LIGHTS TO J-BOX (A) BY ELECTRICAL CONTRACTOR.
- ⑦ LIGHT FIXTURES, VAPOR PROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (B) BY GAYLORD MANUFACTURER. DISCONNECTED FOR SHIPMENT AT J-BOX (D). JOB SITE RECONNECTION BY ELECTRICAL CONTRACTOR.

**WIRING DATA FOR ANSUL ELECTRICALLY ACTIVATED R-102 SYSTEM**

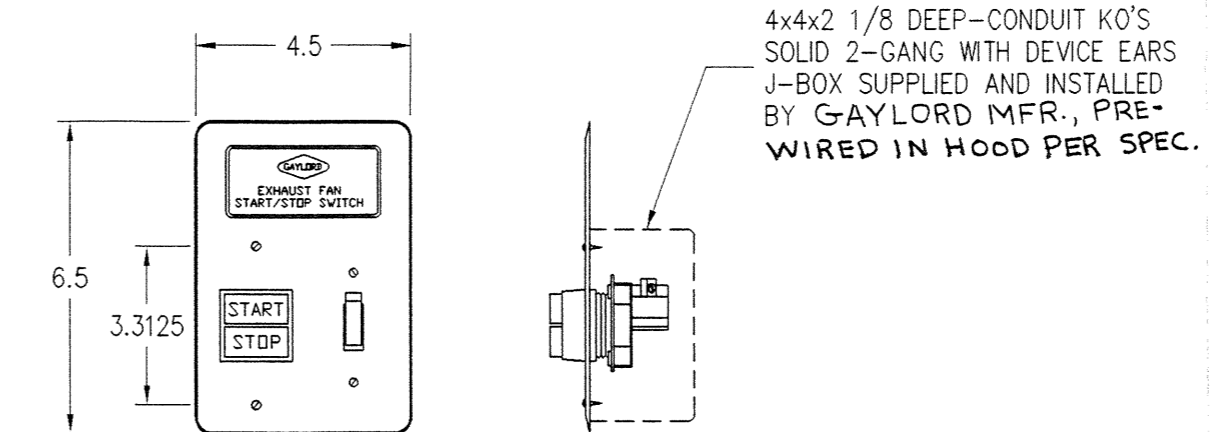
- ⑧ 120 VOLT, 24 HOUR SERVICE TO ANSUL AUTOMAN
- ⑨ TWO WIRES FROM ANSUL AUTOMAN TO J-BOX (E) ON VENTILATOR FOR ANSUL THERMAL DETECTORS (BY OTHERS).
- ⑩ TWO WIRES FROM ANSUL AUTOMAN TO ANSUL ELECTRIC MANUAL PULL STATION (BY OTHERS).
- ⑪ TWO WIRES FROM ANSUL SHUTDOWN RELAY TO GAS SOLENOID VALVE (BY OTHERS).
- ⑫ TWO WIRES FROM ANSUL SHUTDOWN RELAY TO SHUNT TRIP FOR ELECTRIC COOKING EQUIPMENT SHUT DOWN (BY OTHERS).
- ⑬ TWO WIRES FROM ANSUL AUTOMAN TO BUILDING ALARM SYSTEM CONTRACTOR (BY OTHERS).
- ⑭ J-BOX PREWIRED FOR THERMAL DETECTOR BY GAYLORD (TYP.)
- ⑮ THERMAL DETECTORS PROVIDED AND INSTALLED IN FIELD BY FIRE PROTECTION CONTRACTOR. (6 REQUIRED)



**ELECTRICAL PLAN VIEW**

ONE EXHAUST FAN REQ'D. TOTAL CFM: 6600  
VENTILATOR DUCT STATIC PRESSURE: 1.33"  
ONE SUPPLY FAN REQ'D. TOTAL CFM: 3000  
VENTILATOR DUCT STATIC PRESSURE: 0.25"

**STANDARD WIRING DIAGRAM FOR GX SERIES VENTILATOR**  
WITH THERMOSTATICALLY ACTIVATED DAMPER WHEN C-250 FAN START/STOP SWITCH IS USED



**FAN ON-OFF/LIGHT SWITCH**  
Model C-250-LS  
(NOT TO SCALE)

INSTALLATION INFORMATION	
REV	DATE
2	JFO 12/14/98
A	EZ 11/6/98

REV	DATE	DESCRIPTION	APPR. BY
2	JFO 12/14/98	REVISED C-250-LS NOTE	J.R.
A	EZ 11/6/98	CHANGES MADE TO ITEM #50 TO MATCH SHEET #2	

This plan is made from available information, but measurements are to be verified by contractors, installers and others in connection with this job. Gaylord Industries accepts no responsibility for work done by contractors, installers and others and will not stand any expense for charges made necessary by local building codes, ordinances, structural conditions or by the substitution or changes in equipment shown in this plan. This plan must be verified and approved by proper parties before fabrication can be started and approval shall not be made unless contractors, installers and others have reviewed applicable codes with code authorities. Reference is made to the general notes which are a part of these plans and all contractors, installers and others utilizing these plans are advised they are responsible for examining and becoming familiar with said general notes before commencing any work hereunder. Any inconsistencies between these plans and the general notes, or between these plans, the general notes, and local building codes or ordinances must be immediately called to the attention of Gaylord Industries in writing so that any such inconsistencies can be resolved. This plan is the property of Gaylord Industries and is not to be copied, reproduced, or distributed, either in whole or in part. It is not to be used unless under Gaylord Industries supervision, directly or otherwise, nor may it be used in anyway detrimental to Gaylord Industries. The Gaylord Ventilator is patented and owned by Gaylord Industries with patents issued and pending:  
 UNITED STATES PAT. NOS.: 3,671,909 - 3,765,124 - 3,788,041 - 4,072,143 - 4,266,529 - 4,281,635 - 4,326,870  
 AUSTRALIA PAT. NOS.: 485,037 - 481,510 - 548,848  
 BRAZIL PAT. NO.: 7,307,145  
 CANADA PAT. NOS.: 926,689 - 940,761 - 1,004,155 - 1,088,126 - 1,156,151 - 1,155,356  
 GERMANY PAT. NOS.: 1,152,501 - 830,240  
 GREAT BRITAIN PAT. NOS.: 1,330,857 - 1,396,065 - 1,558,537 - 2,099,697  
 JAPAN PAT. NOS.: 797,637 - 917,977 - 1,045,507 - 1,378,103 - 1,580,556  
 NEW ZEALAND PAT. NO.: 167,964  
 SOUTH AFRICA PAT. NOS.: 72,4721 - 73,6051 - 81/7998  
 SWISS CROSS PAT. NOS.: 260,308 - 697660-5  
 OTHER U.S. AND FOREIGN PATENTS PENDING.

**GAYLORD® INDUSTRIES, INC.**  
 10900 S.W. AVERY ST. • P.O. BOX 1149 • TUALATIN • OREGON 97062  
 TEL: 503-691-2010 • TOLL FREE: 800-547-9696 • FAX: 503-692-6048

MODEL #	ITEM #	WORK ORDER #
GX-BDL-BB-MAW-120	50	8124102

DIMENSION TOLERANCE ± 1/4" (6MM)

DRAWN BY	CHECKED BY	APPROVED BY	DESIGN CHECK	ELECT. CHECK	F.P. CHECK
JFO					

**RUBICON MEN'S FACILITY**  
 RICHMOND, VA.

DRAWING NO.	DATE	SCALE	REV.	SHEET NO.
98-1241-D	3-16-98	NTS	2	3 of 3



**GENERAL NOTES FOR NON WATER WASH VENTILATORS**

- EXHAUST VOLUME REQUIREMENTS**
- Exhaust volumes, as shown on this drawing, are determined by established Gaylord engineering criteria and in accordance with the terms of the UL listing.
  - Static pressure is As Noted on duct take-off collar. Refer to drawing. Total duct and external statics must be added to above for determining proper exhaust fan static pressure drop. Static based on operation at mean sea level.
  - Duct size based on 1800 fpm.

- MAKE UP AIR REQUIREMENTS**
- Make-up air should be supplied for replacement of air exhausted through all kitchen exhaust systems. Unless built in as part of the ventilator, make-up air should be delivered through registers at ceiling height and distributed throughout the kitchen. A general "rule of thumb" is that 75% to 80% of the replacement air should be fresh, conditioned (heated or cooled) air brought into the kitchen areas - with the remaining 20% to 25% allowed to flow into the kitchen from adjacent areas.

- ELECTRICAL**
- Locate Model C-250 Fan Start/ Stop Switch in a convenient location.
  - If ventilators are equipped with light fixtures, provide a separate [M] 120 volt, [L] 220volt, [F] 50 Hz, [K] 60 Hz, single phase lighting circuit to light J-box on ventilator.

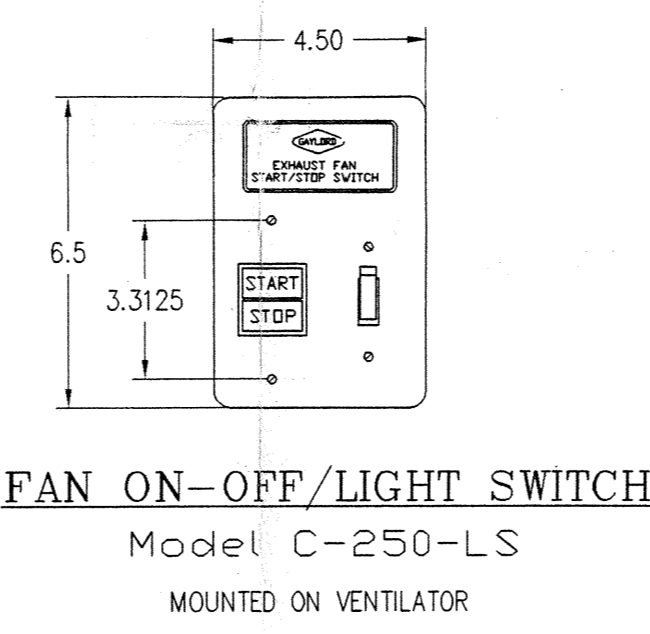
- INSTALLATION**
- Ventilators to be installed in accordance with NFPA-96 and all other local applicable codes. Contractors must review applicable codes with code authorities before approving drawings for fabrication. Special attention must be given to code regulations relative to clearances from surrounding combustible construction (walls, ceiling, etc.).
  - Ventilators manufactured in multiple sections are factory prepared to a single connection point. Ventilators are disconnected for shipment to be reconnected by electrical contractors.
  - All ductwork beyond the ventilator duct take-off collar to be provided and installed by others, in accordance with applicable codes. Exhaust ducts must be grasse and water tight with continuous external welds.
  - All ventilators are equipped with hanging brackets. Hanging rods to be supplied by ventilator installer. Hanging weight of the ventilator(s) is noted on this drawing.

- CONSTRUCTION**
- Ventilators are manufactured in strict accordance with Gaylord specifications.
  - Ventilators constructed of 18 Ga stainless steel, Type 304, No. 4 finish unless otherwise noted on drawings.

- FIRE EXTINGUISHING SYSTEM**
- Fire extinguishing system furnished and installed in accordance with NFPA-96 by GAYLORD MFR. (PRE-PRIED ONLY).
  - Caution: Fire extinguishing system piping installed on the ventilator at job site should be coordinated with the Gaylord Manufacturer to ensure piping does not interfere with ventilator's operation/performance. Improper installation may void UL Listing of the ventilator.
  - IMPORTANT NOTE:** NFPA-96 requires that all gas cooking equipment and electric cooking equipment, that is protected by surface fire protection, must automatically shut off upon activation of the fire extinguishing system.
  - IMPORTANT NOTE:** Most building departments require separate hood and fire protection permits prior to installation. The hood permit is typically obtained through the plan review department and the fire protection permit from the fire prevention bureau. It is the responsibility of the installing contractor to check with local building departments for their requirements and to obtain necessary permits.

**WIRING DATA FOR VH SERIES VENTILATOR**

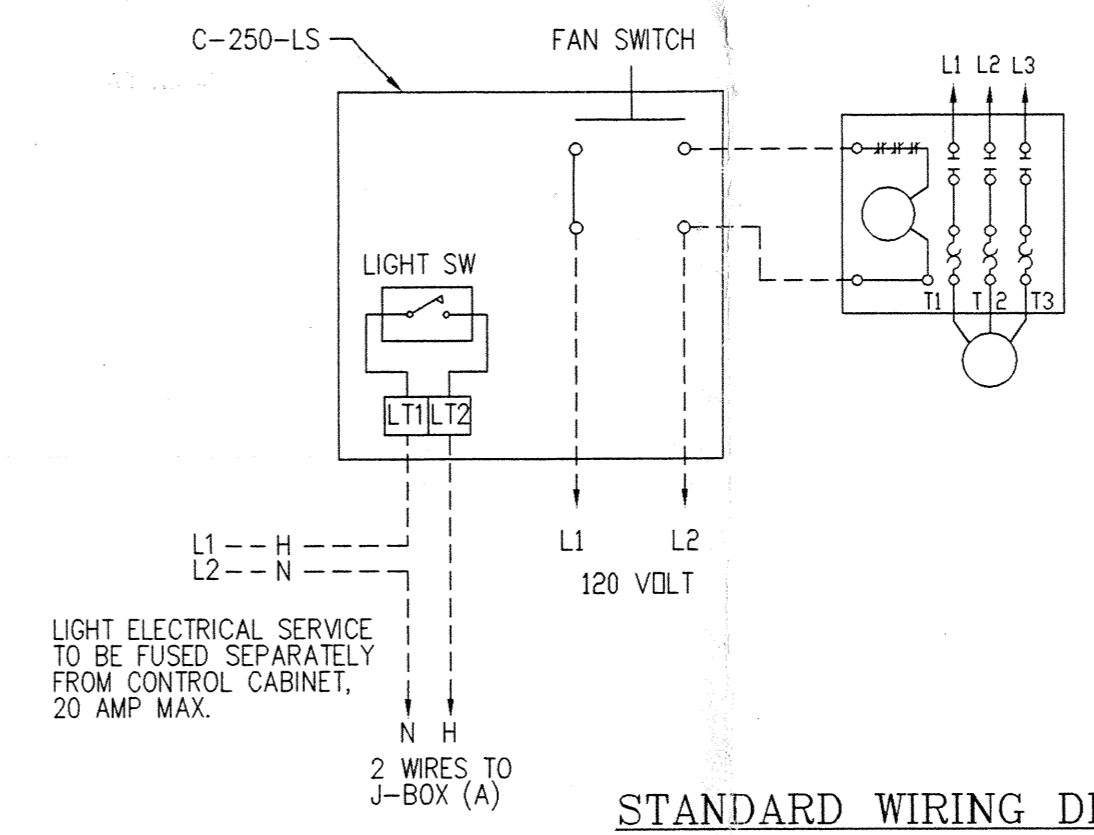
- FAN ON/OFF SWITCH LOCATED ON FACE OF HOOD, FURNISHED AND WIRED TO J-BOX (A) BY GAYLORD MFR.
- TWO WIRES FROM J-BOX (A) TO 120 VOLT SERVICE BY ELECTRICAL CONTRACTOR.
- TWO WIRES FROM J-BOX (A) TO MAGNETIC STARTER SWITCH FOR EXHAUST FAN BY ELECTRICAL CONTRACTOR.
- LIGHT SWITCH FOR LIGHT FIXTURE LOCATED ON FACE OF HOOD AND WIRED TO J-BOX (A) BY GAYLORD MFR.
- 120 VOLT A.C. SERVICE FOR LIGHTS TO J-BOX (A) BY ELECTRICAL CONTRACTOR.
- LIGHT FIXTURES, VAPORPROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRED TO J-BOX (A) BY GAYLORD MANUFACTURER.



**FAN ON-OFF/LIGHT SWITCH**  
Model C-250-LS  
MOUNTED ON VENTILATOR

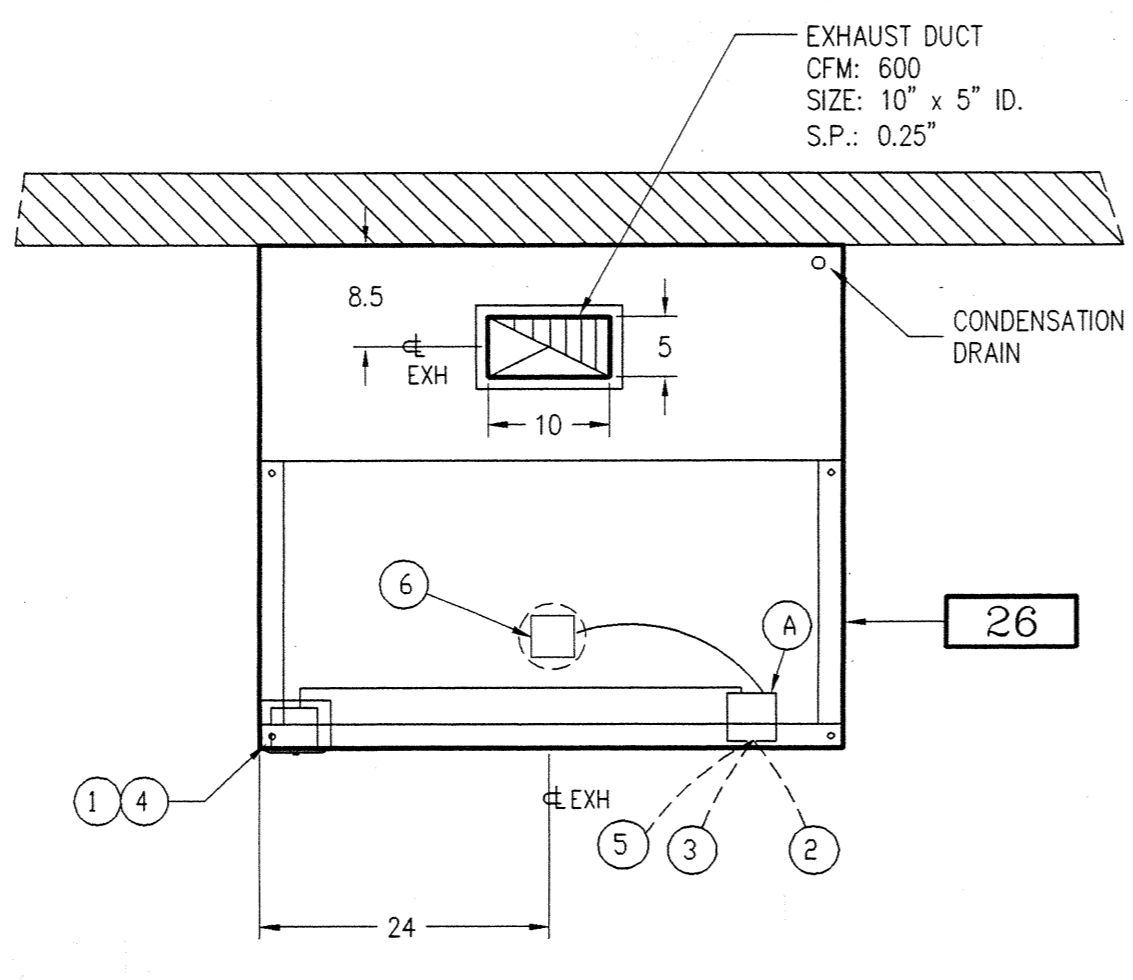
ALL EXTERNAL CONTROL WIRING SHALL BE 12 GA. MIN. OR AS PER APPLICABLE CODES.  
--- FIELD WIRING BY OTHERS  
--- WIRING BY GAYLORD MFR.

SUPPLY VOLTAGE:  
✓ 120V/1PH  
✓ 220V/1PH  
✓ 50HZ  
✓ 60HZ  
(VERIFY)

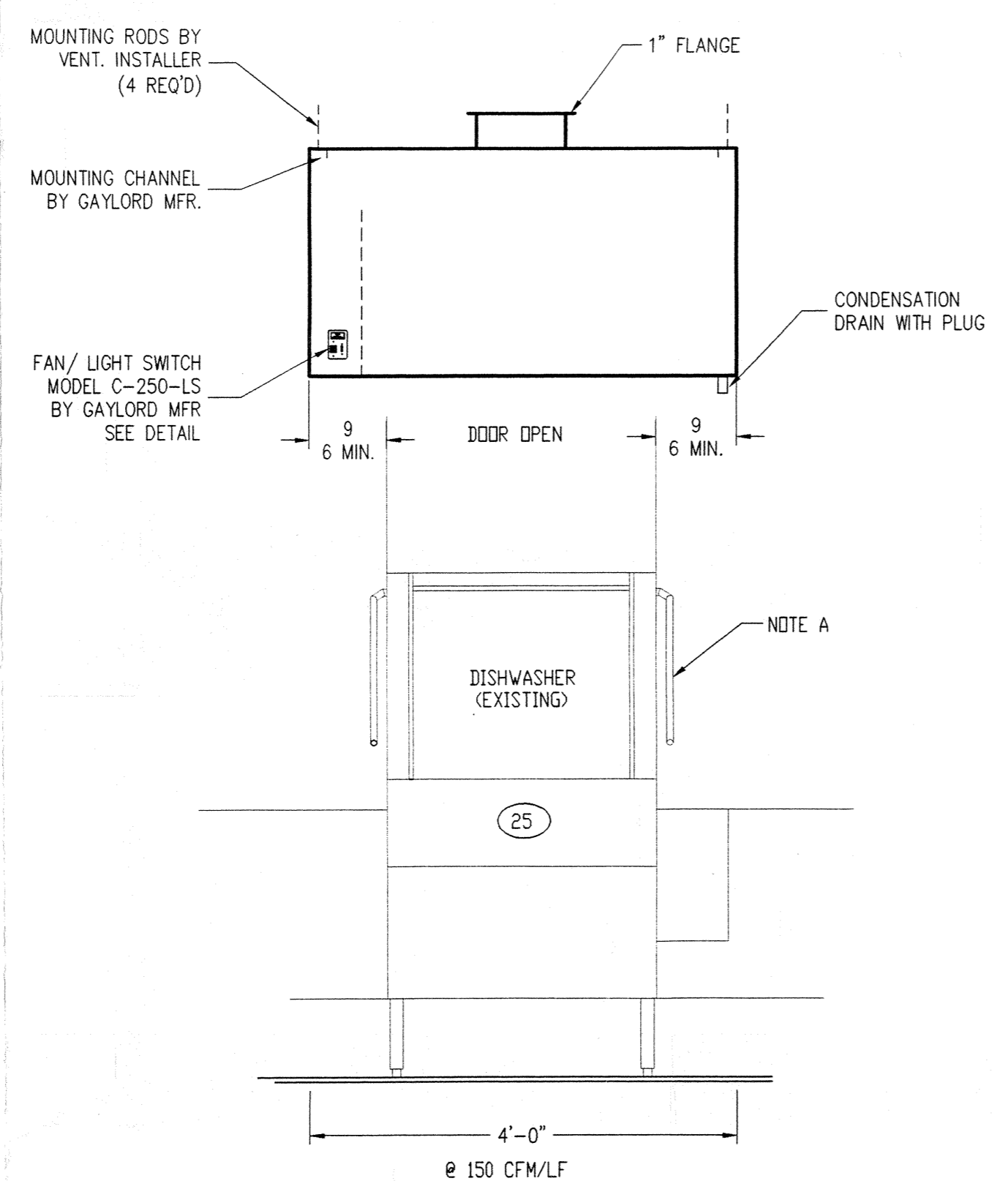


**STANDARD WIRING DIAGRAM FOR VH SERIES VENTILATOR**

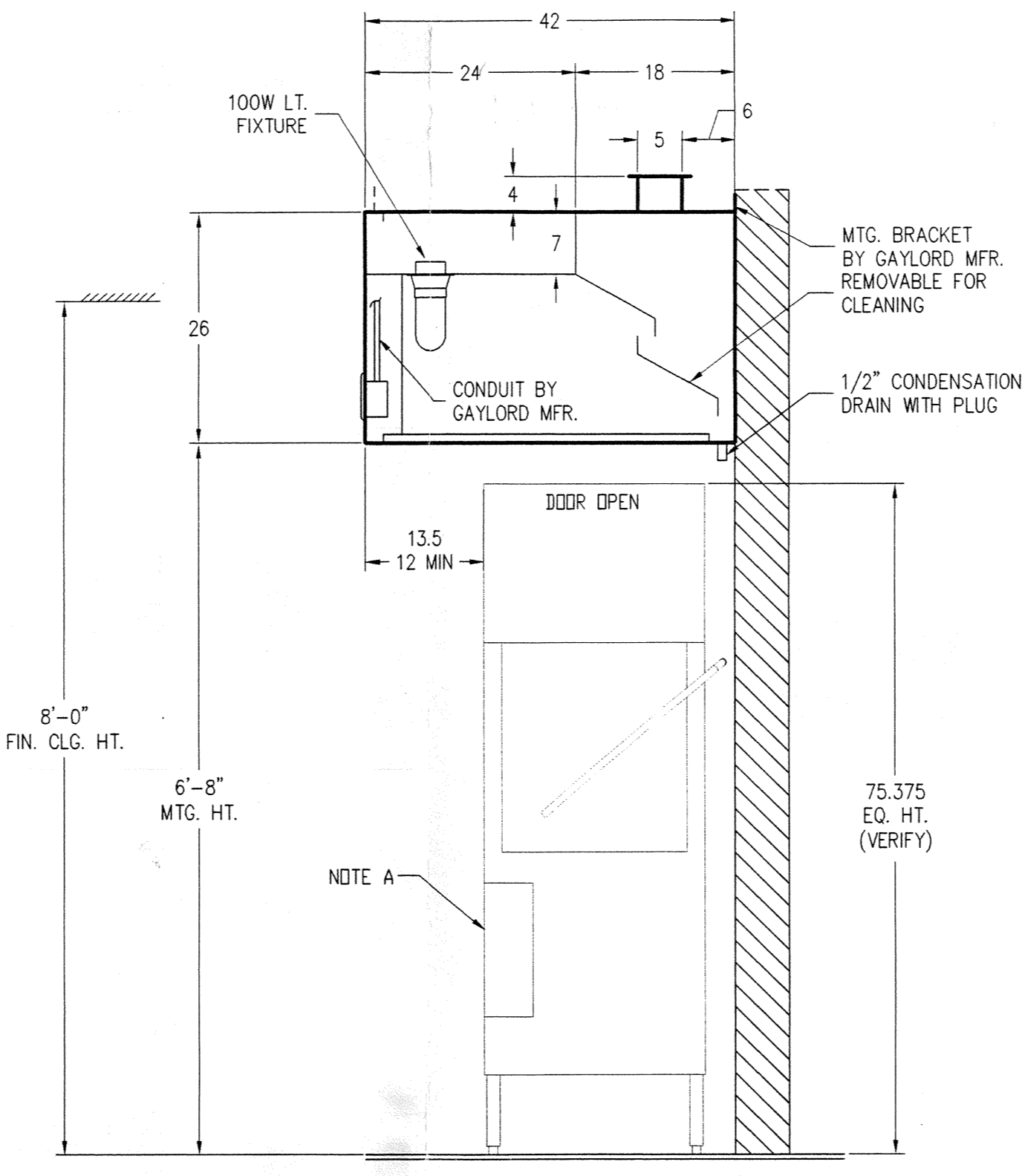
ONE EXHAUST FAN REQ'D. TOTAL CFM: 600  
VENTILATOR DUCT STATIC PRESSURE: 0.25"



**PLAN VIEW**



**ELEVATION VIEW**



**SECTION VIEW**

**NOTES**

A) VERIFY ALL MAKES AND MODELS OF COOKING EQUIPMENT AND LOCATION IN RELATION TO THE VENTILATOR PRIOR TO FABRICATION.

**IMPORTANT NOTE**

EXACT FLOOR TO STRUCTURAL CEILING AND FLOOR TO FINISH CEILING HEIGHTS MUST BE VERIFIED FOR VENTILATOR DESIGN. INCORRECT HEIGHTS MAY CAUSE THE VENTILATOR TO NOT FIT PROPERLY OR COMPLY WITH CLEARANCES SPECIFIED IN APPLICABLE CODES AND STANDARDS.

FLOOR TO STRUCTURAL CEILING: (VERIFY) \_\_\_\_\_  
FLOOR TO FINISH CEILING: 8'-0"

**THE GAYLORD VENTILATOR TESTING, LISTING AND APPROVAL REFERENCES:**

**NATIONAL FIRE PROTECTION ASSOCIATION**  
In Accordance with Recommendation of National Fire Protection Association's NFPA No. 96 "Vapor Removal from Cooking Equipment."

**NATIONAL SANITATION FOUNDATION**  
Standard # 2 - "Food Service Equipment"

**UNDERWRITERS LABORATORIES, INC.**  
Tested under standard U.L. 710 "Exhaust Hoods for Commercial Cooking Equipment, U.L. listed under file number MH1403 and MH1522."

**UNDERWRITERS LABORATORIES OF CANADA**  
U.L.C. listed under file number CR458 and CR1546

**CANADIAN STANDARDS ASSOCIATION**  
File Number LR19851 and LR23756

**APPROVAL NOTICE**

Prior to releasing the ventilator for fabrication, this drawing must be signed by an authorized representative of \_\_\_\_\_ and returned to GAYLORD INDUSTRIES, INC. verifying the following have been checked:

- All dimensions such as duct size and location, drain and hot water location, ceiling height, clearances to beams and other obstructions and overall size of ventilator.
- The location of the cooking equipment in relation to the ventilator is correct as shown for proper placement of the surface fire protection nozzles.

**IMPORTANT NOTICE**

Any changes in equipment location, necessitating the relocation of the surface fire protection nozzles must be brought to the attention of GAYLORD INDUSTRIES, INC. in writing, prior to the kitchen being turned over to operating personnel.

Revise and Resubmit  
 Without changes  
 With changes as shown

**APPROVED FOR FABRICATION**

Signature \_\_\_\_\_ Date \_\_\_\_\_

**INSTALLATION INFORMATION**

MAXIMUM VENTILATOR DIMENSION: 4'-0" L X 3'-6" W X 2'-6" H. ESTIMATED HANGING WEIGHT: 180 LBS.	VENTILATORS TO BE SHIPPED IN 1 UNIT(S). ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.
2 JFO 12/11/98 CHANGED HOOD DEPTH TO 42". VERIFIED FIN. CLG. HT.	J.R.
A EZ 11/6/98 NO CHANGES TO THIS SHEET	
REV. DRWN. BY DATE	REVISIONS

2	JFO	12/11/98	CHANGED HOOD DEPTH TO 42". VERIFIED FIN. CLG. HT.	J.R.
A	EZ	11/6/98	NO CHANGES TO THIS SHEET	
REV.	DRWN. BY	DATE	REVISIONS	APPR. BY

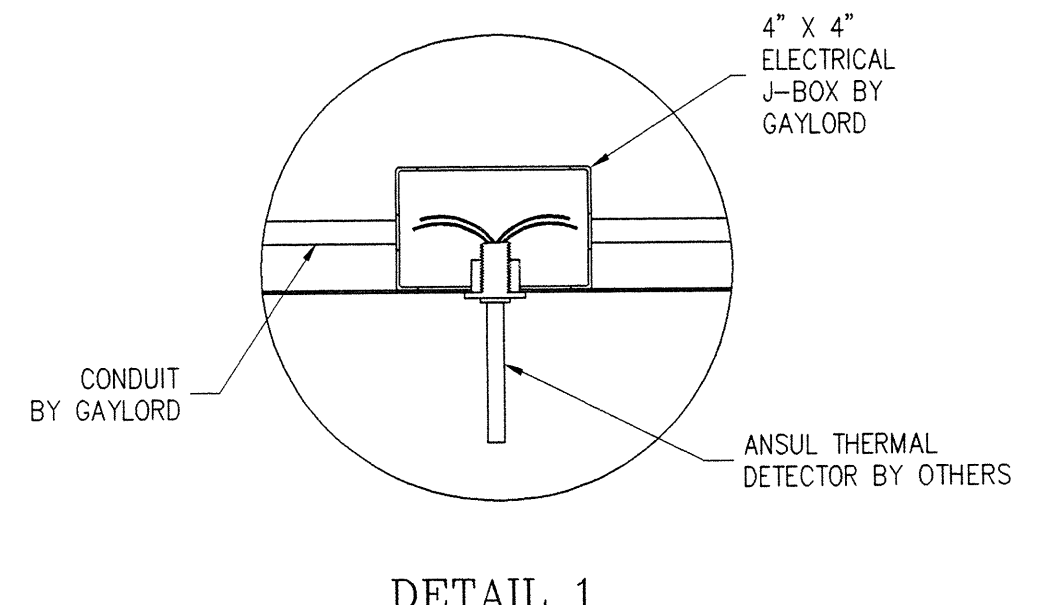
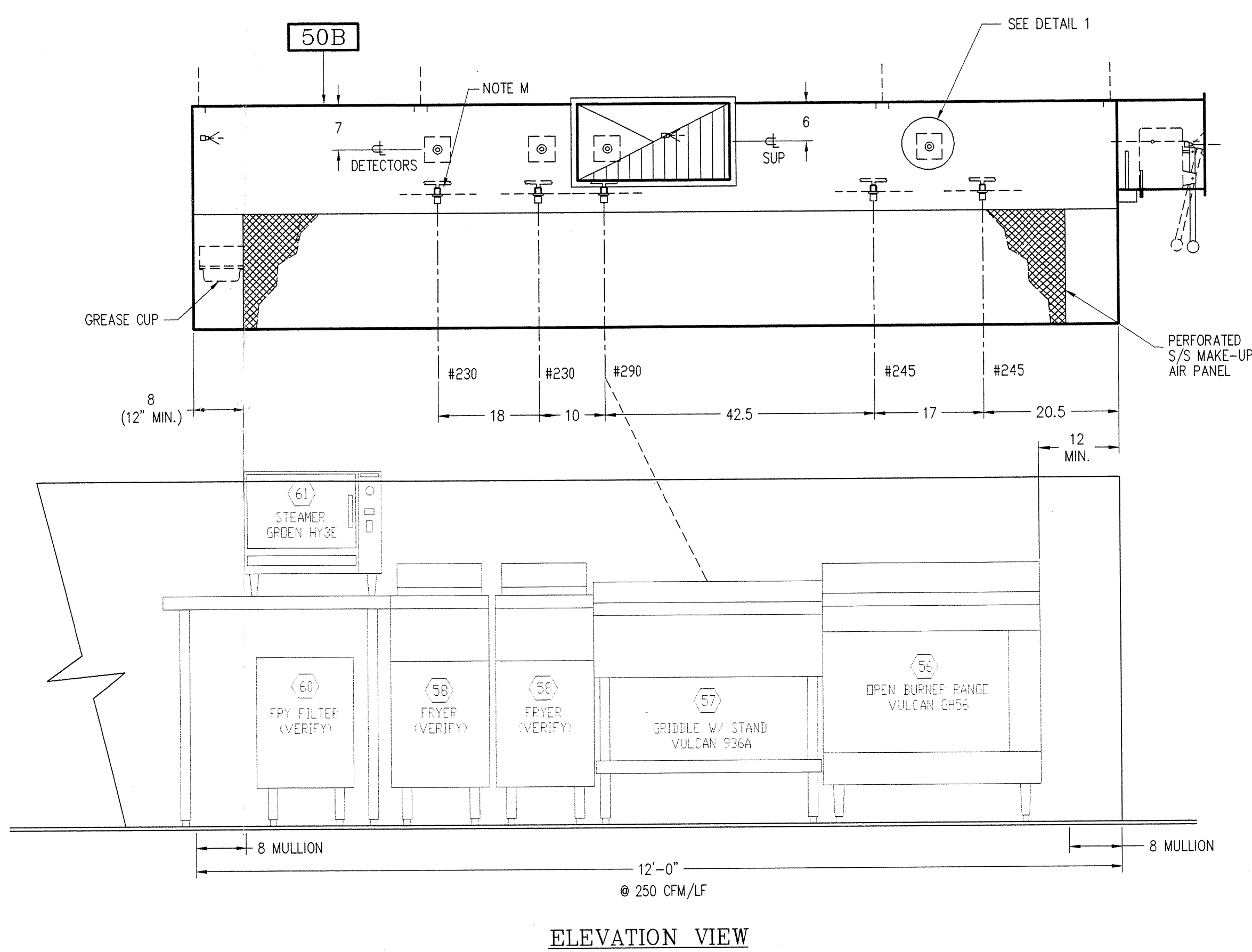
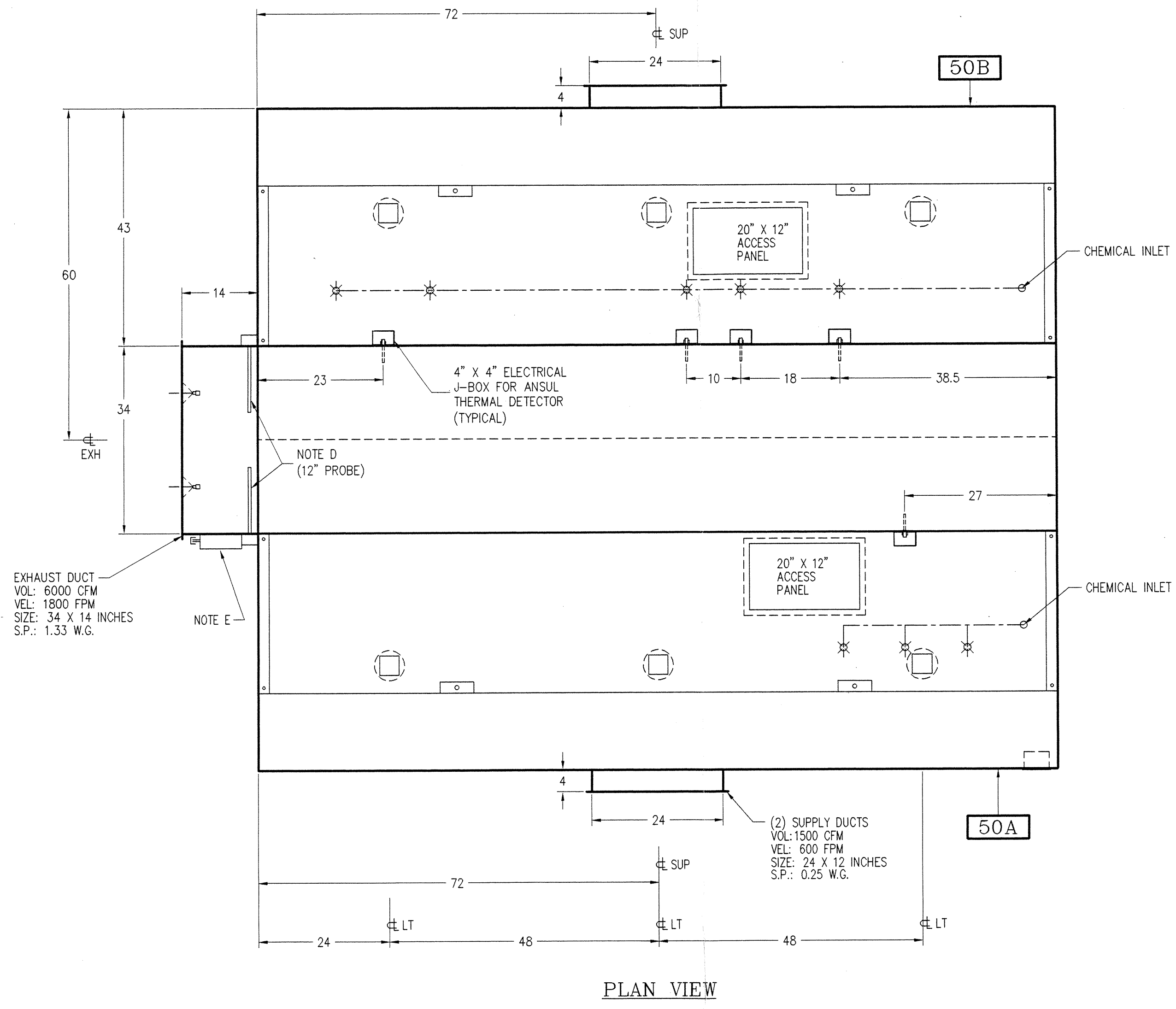
This plan is made from available information, but measurements are to be verified by contractors, installers and others in connection with this job. Gaylord Industries accepts no responsibility for work done by contractors, installers and others and will not stand any expense for changes made necessary by local building codes, ordinances, structural conditions or by the substitution or changes in equipment shown in this plan. This plan must be verified and approved by proper parties before fabrication can be started and approval shall not be made unless contractors, installers and others have reviewed applicable codes with code authorities. Reference is made to the general notes which are a part of these plans and of contractors, installers and others utilizing these plans. Any omissions they are responsible for examining and becoming familiar with said general notes before commencing any work hereunder. Any inconsistencies between these plans and the general notes, or between these plans, the general notes, and local building codes or ordinances must be immediately called to the attention of Gaylord Industries in writing so that any such inconsistencies can be resolved. This plan is the property of Gaylord Industries and is not to be copied, reproduced, or distributed, either in whole or in part. It is not to be used under Gaylord Industries supervision, directly or otherwise, nor may it be used in any way detrimental to Gaylord Industries. The Gaylord Ventilator is patented and owned by Gaylord Industries with patents issued and pending.

UNITED STATES PAT. NOS.: 3,611,909 - 3,785,124 - 3,788,041 - 4,072,143  
- 4,268,532 - 4,269,635 - 4,356,870  
AUSTRALIA PAT. NOS.: 465,037 - 461,510 - 548,848  
BRAZIL PAT. NO.: 7,307,145  
CANADA PAT. NOS.: 926,689 - 940,761 - 1,004,155 - 1,086,126 - 1,139,151 - 1,155,366  
FRANCE PAT. NOS.: 72,272,217 - 73,327,616 - 77,289,888  
GERMANY PAT. NOS.: 3,152,501 - 8,034,240  
GREAT BRITAIN PAT. NOS.: 1,350,837 - 1,396,065 - 1,558,537 - 2,099,697  
JAPAN PAT. NOS.: 797,637 - 917,077 - 1,045,507 - 1,378,103 - 1,580,556  
NEW ZEALAND PAT. NO.: 167,984  
SOUTH AFRICA PAT. NOS.: 72/4721 - 73/6051 - 81/7998  
SWISS CROSS PAT. NOS.: 560,358 - 661,666-5  
OTHER U.S. AND FOREIGN PATENTS PENDING.

**GAYLORD® INDUSTRIES, INC.**

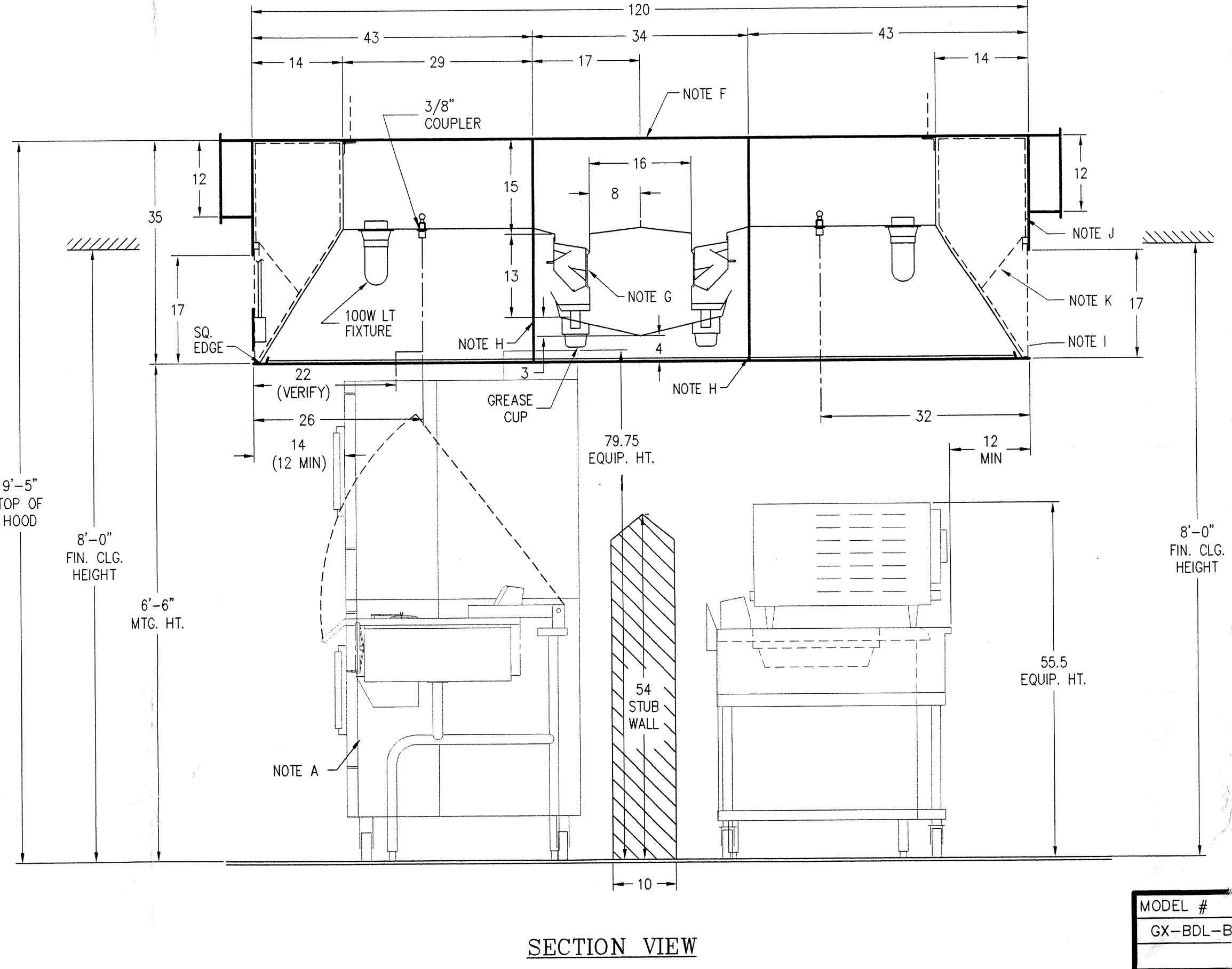
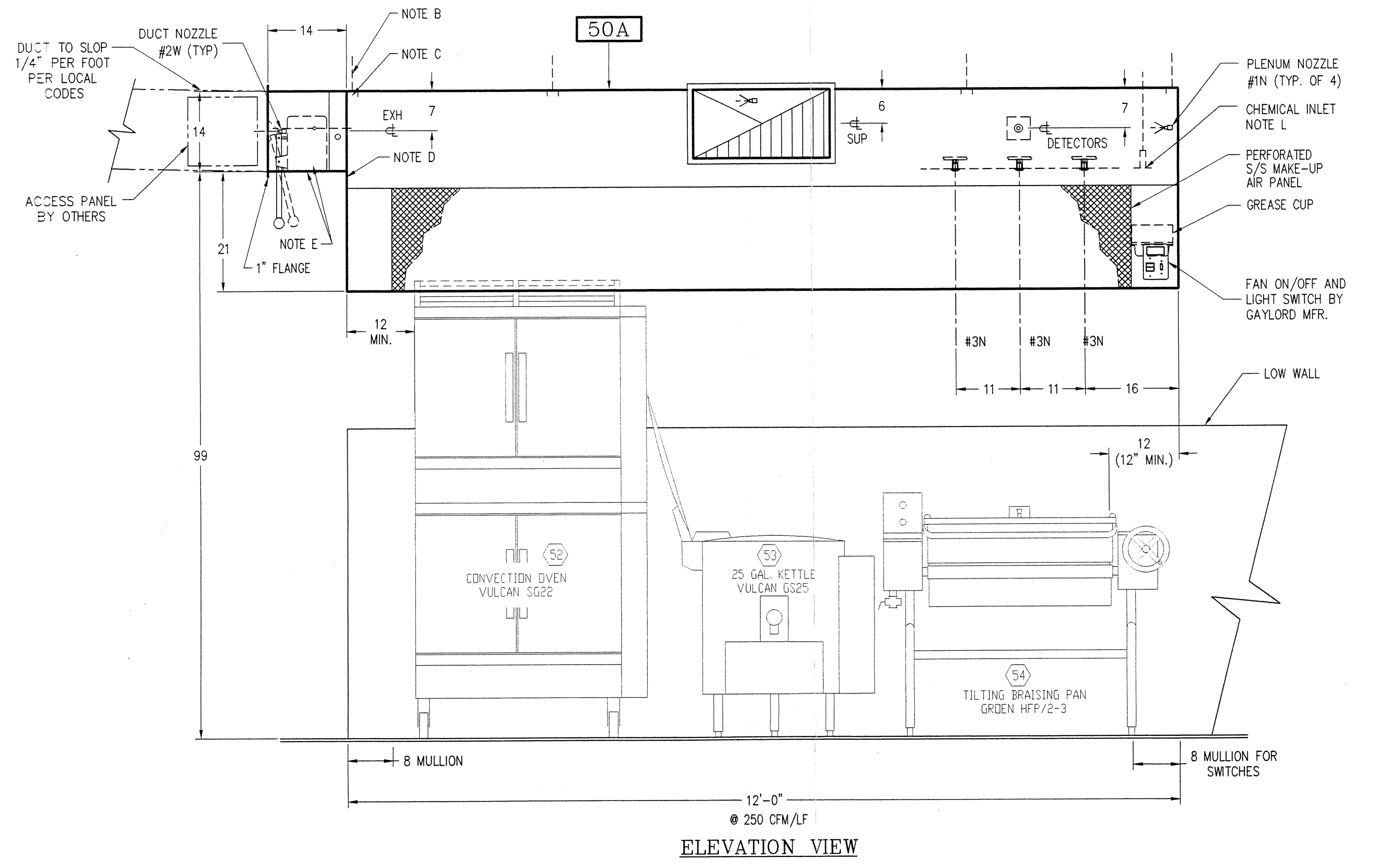
10900 S.W. AVEY ST., P.O. BOX 1149 • TUALATIN • OREGON 97062  
TEL: 503-691-2010 • TOLL FREE: 800-547-9696 • FAX: 503-692-6048

MODEL #	ITEM #	WORK ORDER #
VH-W-42	26	8124101
DRWN. BY	CHECKED BY	APPROVED BY
JFO		
DESIGN CHECK	ELECT. CHECK	F.P. CHECK
RUBICON MEN'S FACILITY		
RICHMOND, VA.		
DRAWING NO.	DATE	SCALE
98-1241-D	3-16-98	3/4"=1'-0"
REV.	BY	SHEET NO.
2		1 of 3



- NOTES:**
- A) VERIFY ALL MAKES AND MODELS OF COOKING EQUIPMENT AND LOCATION IN RELATION TO THE VENTILATOR PRIOR TO FABRICATION.
  - B) MOUNTING RODS BY VENT. INSTALLER (12) REQUIRED.
  - C) MOUNTING SUPPORTS BY GAYLORD MFR. (12) REQUIRED.
  - D) NOTE: THERMOSTAT J-BOX MUST BE ACCESSIBLE.
  - E) NOTE: EXHAUST DUCT PANEL AND DAMPER BOX (MODEL C-616XSH) MUST BE ACCESSIBLE.
  - F) IF CODE REQUIRES A 3" AIR SPACE BETWEEN TOP OF PLENUM AND FINISHED CEILING, CONSULT FACTORY FOR THIS MODIFICATION.
  - G) GX INSERTS  
# 50A: (4) GX-16/(4) GX-20  
# 50B: (4) GX-16/(4) GX-20
  - H) VENTILATOR SEPARATED FOR SHIPPING AT THIS POINT (TYPICAL)
  - I) PERFORATED S/S MAKE-UP AIR PANEL
  - J) INSULATED PLENUM
  - K) PERFORATED DIFFUSER PANEL
  - L) CHEMICAL INLET PRE-PIPED TO THIS POINT BY GAYLORD MFR., CONNECTED TO ANSUL CABINET BY FIRE PROTECTION CONTRACTOR.
  - M) GAYLORD TO PRE-PIPE DUCT, PLENUM AND MAIN MANIFOLD ON TOP OF VENTILATOR FOR APPLIANCE DROPS. GAYLORD APPLIANCE DROPS TERMINATE AT ROOF OF VENTILATOR WITH HOOD PENETRATION FITTING AND 3/8" COUPLER. PIPING FROM THIS POINT TO PROPER NOZZLE POSITION OVER APPLIANCE BY FIRE PROTECTION CONTRACTOR. NOTE: CHROME SLEEVING AND CHROME FITTINGS SUPPLIED AND INSTALLED BY FIRE PROTECTION CONTRACTOR.

SHOP NOTE:  
NOTHING TO BE  
ON TOP OF HOOD



**FIRE PROTECTION NOTE:**

LOCATION OF FIRE PROTECTION NOZZLES MUST BE VERIFIED IN RELATION TO THE COOKING EQUIPMENT PRIOR TO VENTILATOR FABRICATION.

IF COOKING EQUIPMENT IS NOT LOCATED AS SHOWN AND DRAWING IS APPROVED FOR FABRICATION, THEN NOZZLES MUST BE RELOCATED AT OTHERS EXPENSE.

**IMPORTANT NOTE**

**VERIFY CEILING CONDITIONS**

EXACT FLOOR TO STRUCTURAL CEILING AND FLOOR TO FINISH CEILING HEIGHTS MUST BE VERIFIED FOR VENTILATOR DESIGN. INCORRECT HEIGHTS MAY CAUSE THE VENTILATOR TO NOT FIT PROPERLY OR COMPLY WITH CLEARANCES SPECIFIED IN APPLICABLE CODES AND STANDARDS.

FLOOR TO STRUCTURAL CEILING: (VERIFY)  
FLOOR TO FINISH CEILING: 8'-0"

MODEL #	ITEM #	WORK ORDER #
GX-BDL-BB-MAW-120	50	8124102

DRAWN BY	CHECKED BY	APPROVED BY	DESIGN CHECK	ELECT. CHECK	F.P. CHECK
JFO					

<b>RUBICON MEN'S FACILITY</b>		
RICHMOND, VA.		

DRAWING NO.	DATE	SCALE	REV.	SHEET NO.
98-1241-D	3-16-98	3/4"=1'-0"	2	2 of 3

**INSTALLATION INFORMATION**

MAXIMUM VENTILATOR DIMENSION: 12'-0" L X 3'-7" W X 3'-4" H.  
ESTIMATED HANGING WEIGHT: 1920 LBS.

VENTILATORS TO BE SHIPPED IN 3 UNIT(S). ALL PLUMBING AND ELECTRICAL DISCONNECTED FOR SHIPMENT. RECONNECTED IN FIELD BY PLUMBING AND ELECTRICAL CONTRACTORS.

REV	DRWN BY	DATE	REVISIONS	APPR BY
2	JFO	12/14/98	VERIFIED FIN. CLG. HT., ADJUSTED FP NOZZLE LOCATIONS PER VERIFIED EQUIP.	J.R.
A	EZ	11/6/98	CHANGES PER CUSTOMERS REQUEST	

This plan is made from available information, but measurements are to be verified by contractors, installers and others in connection with this job. Gaylord Industries accepts no responsibility for work done by contractors, installers and others and will not stand any expense for charges made necessary by local building codes, ordinances, structural conditions or by the substitution or changes in equipment shown in this plan. This plan must be verified and approved by proper parties, before fabrication can be started and approval shall not be made unless contractors, installers and others have reviewed applicable codes with code authorities. Reference is made to the general notes which are a part of these plans and all contractors, installers and others utilizing these plans are advised they are responsible for examining and becoming familiar with said general notes before commencing any work hereunder. Any inconsistencies between these plans and the general notes, or between these plans, the general notes and local building codes or ordinances must be immediately called to the attention of Gaylord Industries in writing so that any such inconsistencies can be resolved. This plan is the property of Gaylord Industries and is not to be copied, reproduced, or distributed, either in whole or in part. It is not to be used under Gaylord Industries supervision, directly or otherwise, nor may it be used in any way detrimental to Gaylord Industries. The Gaylord Ventilator is patented and owned by Gaylord Industries with patents issued and pending.

UNITED STATES PAT. NOS.: 3,611,905 - 3,785,124 - 3,788,041 - 4,072,143 - 4,246,529 - 4,281,630 - 4,356,870.  
AUSTRALIA PAT. NOS.: 465,037 - 461,510 - 548,848.  
BRAZIL PAT. NO.: 7,307,145.  
CANADA PAT. NOS.: 926,689 - 940,761 - 1,004,355 - 1,086,126 - 1,139,151 - 1,150,366.  
FRANCE PAT. NOS.: 22,227,217 - 71,327,176 - 77,289,888  
GERMANY PAT. NOS.: 3,152,501 - 8,034,240.  
GREAT BRITAIN PAT. NOS.: 1,350,857 - 1,396,045 - 1,558,537 - 2,098,687  
JAPAN PAT. NOS.: 797,637 - 917,077 - 1,042,507 - 1,378,103 - 1,580,556  
NEW ZEALAND PAT. NO.: 167,964.  
SOUTH AFRICA PAT. NOS.: 72/4791 - 73/6051 - 71/6951 - 81/7998.  
SWISS CROSS PAT. NOS.: 460,308 - 661,666-5  
OTHER U.S. AND FOREIGN PATENTS PENDING.

**GAYLORD INDUSTRIES, INC.**

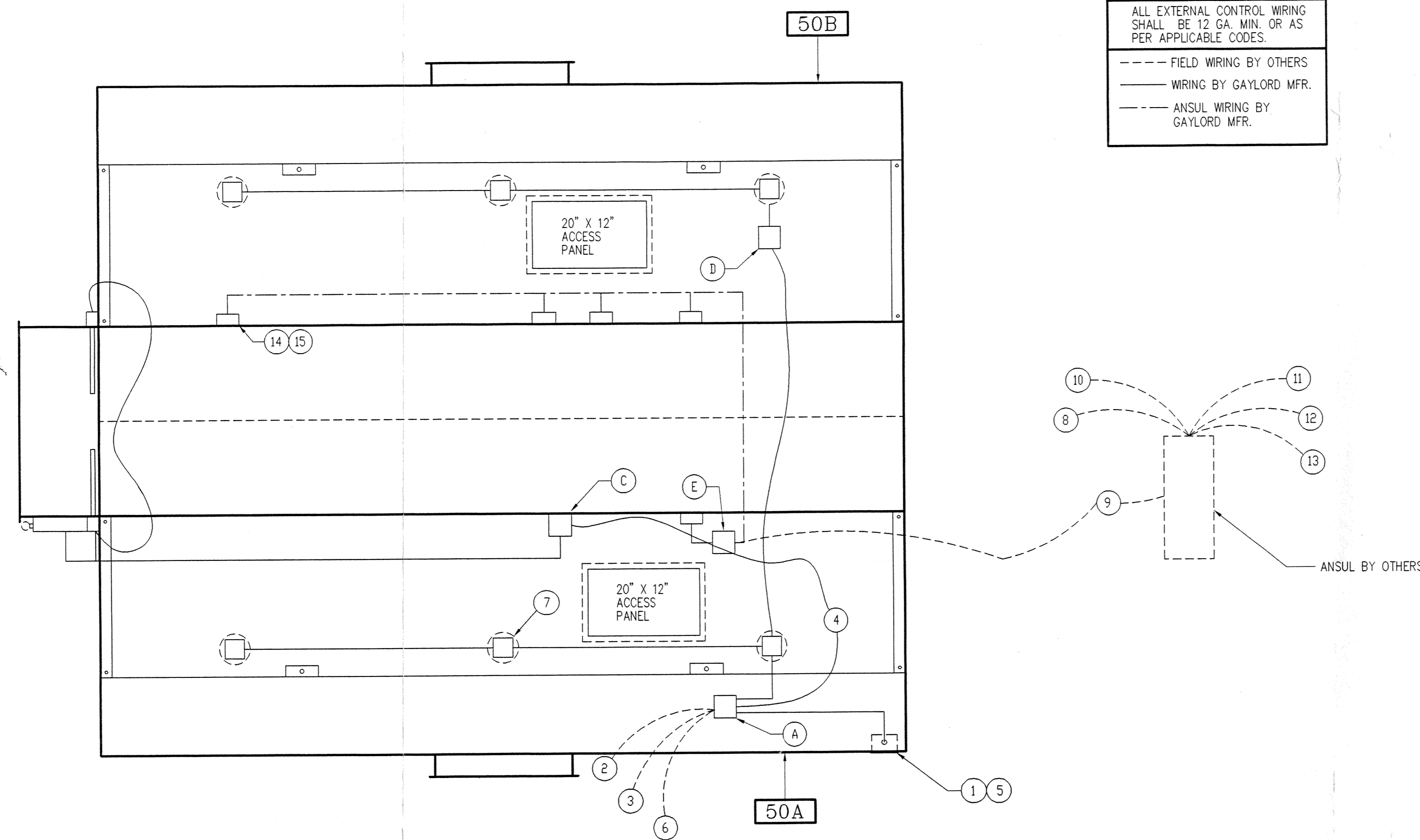
10900 S.W. AVERY ST. • P.O. BOX 1149 • TUALATIN • OREGON 97062  
TEL: 503-691-2010 • TOLL FREE: 800-547-9696 • FAX: 503-692-6048

**WIRING DATA FOR GX SERIES VENTILATOR**

- ① FAN ON/OFF SWITCH LOCATED ON FACE OF VENTILATOR FURNISHED AND WIRE TO J-BOX (A) BY GAYLORD MFR.
- ② TWO WIRES FROM FIELD J-BOX (A) TO SUPPLY VOLTAGE SERVICE BY ELECTRICAL CONTRACTOR.
- ③ TWO WIRES FROM FIELD J-BOX (A) TO MAGNETIC STARTER SWITCH BY ELECTRICAL CONTRACTOR.
- ④ FOUR WIRES FROM FIELD J-BOX (A) TO J-BOX (C) ON VENTILATOR BY GAYLORD MFR. DISCONNECTED FOR SHIPMENT AT J-BOX (C).
- ⑤ JOB SITE RECONNECTION BY ELECTRICAL CONTRACTOR.
- ⑥ LIGHT SWITCH FOR LIGHT FIXTURES LOCATED ON FACE OF VENTILATOR AND WIRE TO J-BOX (A) BY GAYLORD MFR.
- ⑦ 120 VOLT A.C. SERVICE FOR LIGHTS TO J-BOX (A) BY ELECTRICAL CONTRACTOR.
- ⑧ LIGHT FIXTURES, VAPOR PROOF, U.L. LISTED, FURNISHED, INSTALLED AND WIRE TO J-BOX (B) BY GAYLORD MANUFACTURER. DISCONNECTED FOR SHIPMENT AT J-BOX (D). JOB SITE RECONNECTION BY ELECTRICAL CONTRACTOR.

**WIRING DATA FOR ANSUL ELECTRICALLY ACTIVATED R-102 SYSTEM**

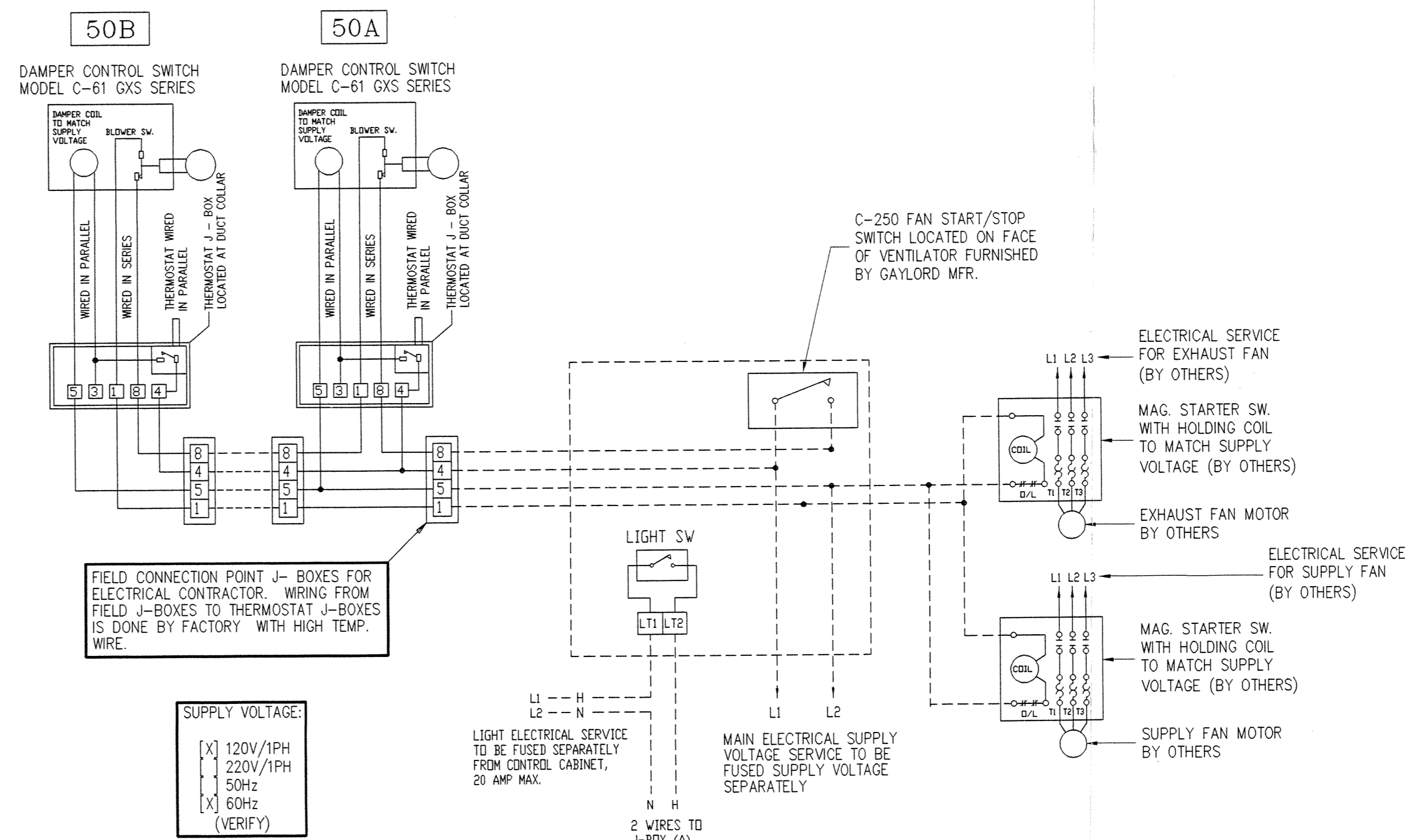
- ⑧ 120 VOLT, 24 HOUR SERVICE TO ANSUL AUTOMAN
- ⑨ TWO WIRES FROM ANSUL AUTOMAN TO J-BOX (E) ON VENTILATOR FOR ANSUL THERMAL DETECTORS (BY OTHERS).
- ⑩ TWO WIRES FROM ANSUL AUTOMAN TO ANSUL ELECTRIC MANUAL PULL STATION (BY OTHERS).
- ⑪ TWO WIRES FROM ANSUL SHUTDOWN RELAY TO GAS SOLENOID VALVE (BY OTHERS).
- ⑫ TWO WIRES FROM ANSUL SHUT DOWN RELAY TO SHUNT TRIP FOR ELECTRIC COOKING EQUIPMENT SHUT DOWN (BY OTHERS).
- ⑬ TWO WIRES FROM ANSUL AUTOMAN TO BUILDING ALARM SYSTEM CONTRACTOR (BY OTHERS).
- ⑭ J-BOX PREWIRED FOR THERMAL DETECTOR BY GAYLORD (TYP.)
- ⑮ THERMAL DETECTORS PROVIDED AND INSTALLED IN FIELD BY FIRE PROTECTION CONTRACTOR. (6 REQUIRED)



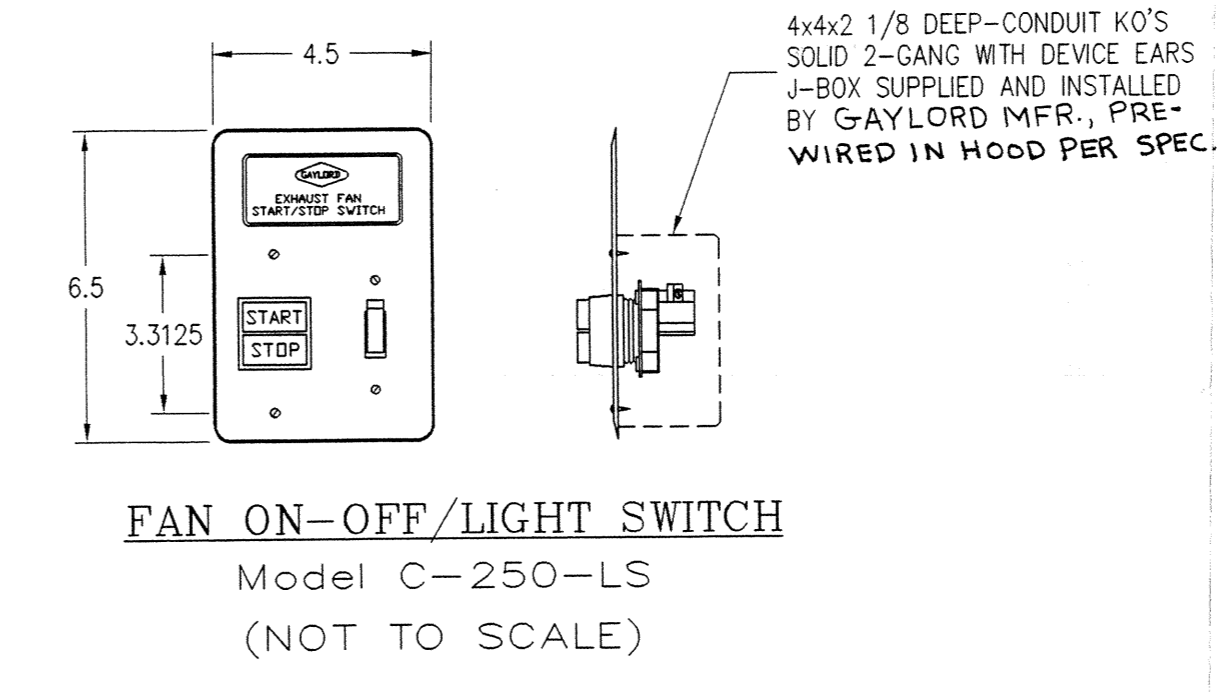
**ELECTRICAL PLAN VIEW**

ALL EXTERNAL CONTROL WIRING SHALL BE 12 GA. MIN. OR AS PER APPLICABLE CODES

--- FIELD WIRING BY OTHERS  
 --- WIRING BY GAYLORD MFR.  
 --- ANSUL WIRING BY GAYLORD MFR.



**STANDARD WIRING DIAGRAM FOR GX SERIES VENTILATOR**  
 WITH THERMOSTATICALLY ACTIVATED DAMPER WHEN C-250 FAN START/STOP SWITCH IS USED



**FAN ON-OFF/LIGHT SWITCH**  
 Model C-250-LS  
 (NOT TO SCALE)

DIMENSION TOLERANCE ± 1/4" (6MM)

INSTALLATION INFORMATION	
REV	DATE
2	JFO 12/14/98
A	EZ 11/6/98

REV	DRWN BY	DATE	REVISIONS	APPR BY
2	JFO	12/14/98	REVISED C-250-LS NOTE	J.R.
A	EZ	11/6/98	CHANGES MADE TO ITEM #50 TO MATCH SHEET #2	

This plan is made from available information, but measurements are to be verified by contractors, installers and others in connection with this job. Gaylord Industries accepts no responsibility for work done by contractors, installers and others and will not stand any expense for charges made necessary by local building codes, ordinances, structural conditions or by the substitution or changes in equipment shown in this plan. This plan must be verified and approved by proper parties before fabrication can be started and approval shall not be made unless contractors, installers and others have reviewed applicable codes with code authorities. Reference is made to the general notes which are a part of these plans and all contractors, installers and others utilizing these plans are advised they are responsible for examining and becoming familiar with said general notes before commencing any work hereunder. Any inconsistencies between these plans and the general notes, or between these plans, the general notes, and local building codes or ordinances must be immediately called to the attention of Gaylord Industries in writing so that any such inconsistencies can be resolved. This plan is the property of Gaylord Industries and is not to be copied, reproduced or distributed in whole or in part. It is not to be used unless under Gaylord Industries supervision, directly or indirectly, nor may it be used in any way detrimental to Gaylord Industries. The Gaylord Ventilator is patented and owned by Gaylord Industries with patents issued and pending:

UNITED STATES PAT. NOS.: 3,611,909 - 3,785,124 - 3,788,041 - 4,072,143 - 4,266,529 - 4,281,620 - 4,356,870  
 AUSTRALIA PAT. NOS.: 455,037 - 481,510 - 548,848  
 BRAZIL PAT. NO.: 7,307,145  
 CANADA PAT. NOS.: 926,869 - 940,761 - 1,004,155 - 1,086,126 - 1,139,151 - 1,155,356  
 FRANCE PAT. NOS.: 72,272,717 - 73,327,918 - 77,289,888  
 GERMANY PAT. NOS.: 3,152,501 - 8,034,246  
 GREAT BRITAIN PAT. NOS.: 1,350,057 - 1,396,005 - 1,558,537 - 2,099,697  
 JAPAN PAT. NOS.: 797,637 - 917,077 - 1,045,507 - 1,378,103 - 1,588,556  
 NEW ZEALAND PAT. NO.: 167,964  
 SOUTH AFRICA PAT. NOS.: 72,472,121 - 73,605,101 - 81,799,8  
 SWISS CROSS PAT. NOS.: 560,358 - 661,666-5  
 OTHER U.S. AND FOREIGN PATENTS PENDING.

reproduced or distributed in whole or in part. It is not to be used unless under Gaylord Industries supervision, directly or indirectly, nor may it be used in any way detrimental to Gaylord Industries. The Gaylord Ventilator is patented and owned by Gaylord Industries with patents issued and pending:

UNITED STATES PAT. NOS.: 3,611,909 - 3,785,124 - 3,788,041 - 4,072,143 - 4,266,529 - 4,281,620 - 4,356,870  
 AUSTRALIA PAT. NOS.: 455,037 - 481,510 - 548,848  
 BRAZIL PAT. NO.: 7,307,145  
 CANADA PAT. NOS.: 926,869 - 940,761 - 1,004,155 - 1,086,126 - 1,139,151 - 1,155,356  
 FRANCE PAT. NOS.: 72,272,717 - 73,327,918 - 77,289,888  
 GERMANY PAT. NOS.: 3,152,501 - 8,034,246  
 GREAT BRITAIN PAT. NOS.: 1,350,057 - 1,396,005 - 1,558,537 - 2,099,697  
 JAPAN PAT. NOS.: 797,637 - 917,077 - 1,045,507 - 1,378,103 - 1,588,556  
 NEW ZEALAND PAT. NO.: 167,964  
 SOUTH AFRICA PAT. NOS.: 72,472,121 - 73,605,101 - 81,799,8  
 SWISS CROSS PAT. NOS.: 560,358 - 661,666-5  
 OTHER U.S. AND FOREIGN PATENTS PENDING.

**GAYLORD INDUSTRIES, INC.**

10900 S.W. AVERY ST. • P.O. BOX 1149 • TUALATIN • OREGON 97062  
 TEL. 503-691-2010 • TOLL FREE: 800-547-9696 • FAX: 503-692-6048

MODEL #	ITEM #	WORK ORDER #
GX-BDL-BB-MAW-120	50	6124102

DRAWN BY	CHECKED BY	APPROVED BY	DESIGN CHECK	ELECT. CHECK	F.P. CHECK
JFO	JFO				

RUBICON MEN'S FACILITY  
 RICHMOND, VA.

DRAWING NO.	DATE	SCALE	REV.	SHEET NO.
98-1241-D	3-16-98	NTS	2	3 of 3

