

CDM & G
 CONSULTING ENGINEERS
 10000 WEST 10TH AVENUE
 DENVER, CO 80231
 (303) 751-7000

The seal of the Department of Public Safety is depicted within a stylized, curved banner. The central element is a shield containing a five-pointed star. Above the shield is a scroll with the word 'INTEGRITY' and below it is a scroll with the word 'COURAGE'. The shield itself is flanked by the words 'DEPARTMENT' on the left and 'OF' on the right, with 'PUBLIC SAFETY' written across the bottom. The entire seal is set against a background of a stippled, textured pattern.

BY:
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP I - CENTRAL REGION

ARKANSAS STATEWIDE
FORENSIC LABORATORY
1001 WEST 10TH STREET
FAYETTEVILLE, AR 72701
501-326-2200

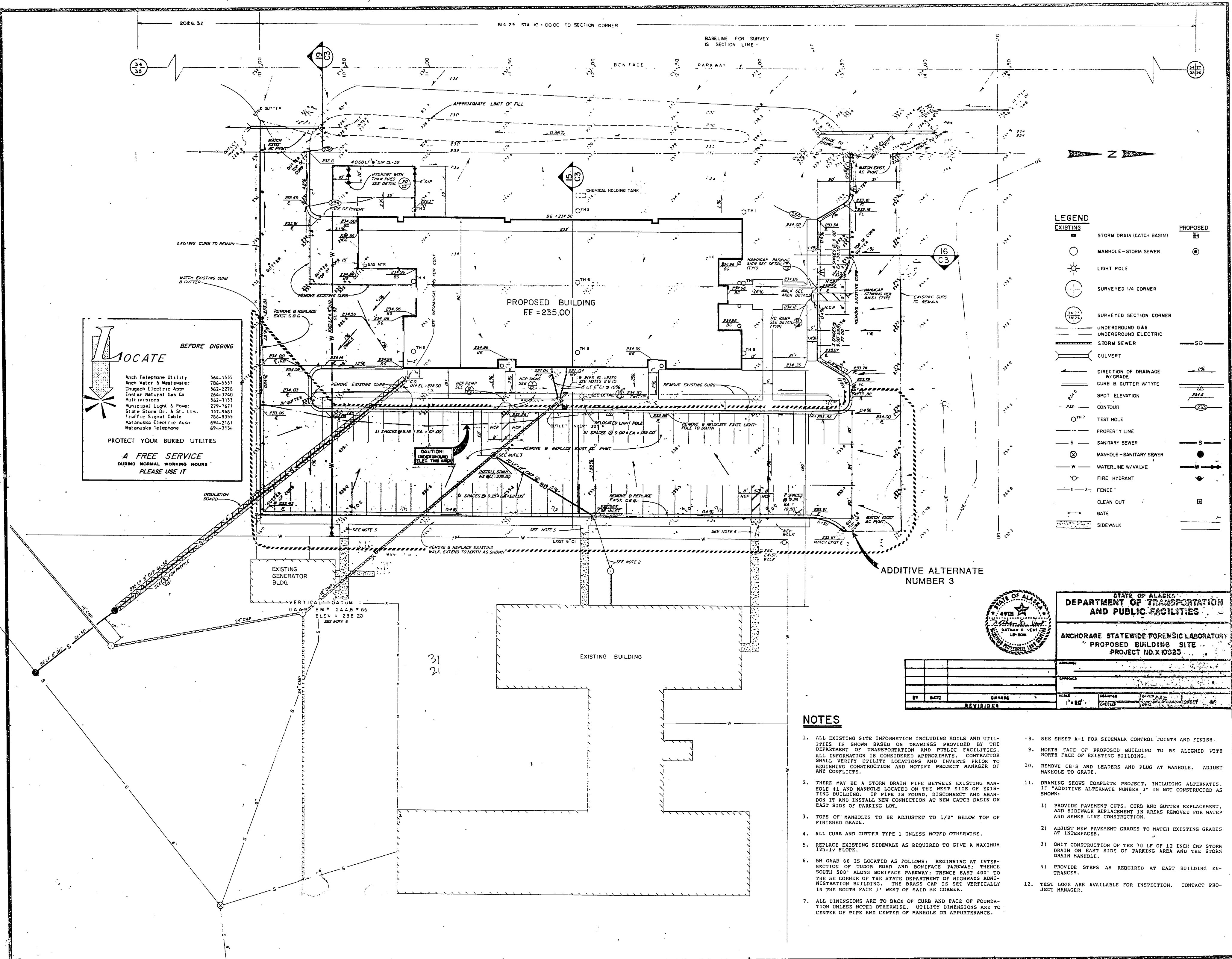
SHEET INDEX

SECURITY
FIELER & ASSOCIATES
6319 Colfax Avenue
North Hollywood, California 91606

[illegible]

VICINITY MAP

JOB NO. 83-76



ANCHORAGE STATEWIDE FORENSIC LABORATORY

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

ANCHORAGE STATEWIDE FORENSIC LABORATORY

PROPOSED BUILDING SITE

PROJECT NO. X10023

CIVIL SITE PLAN

JOB NO. 83-70

DATE 13 JUL

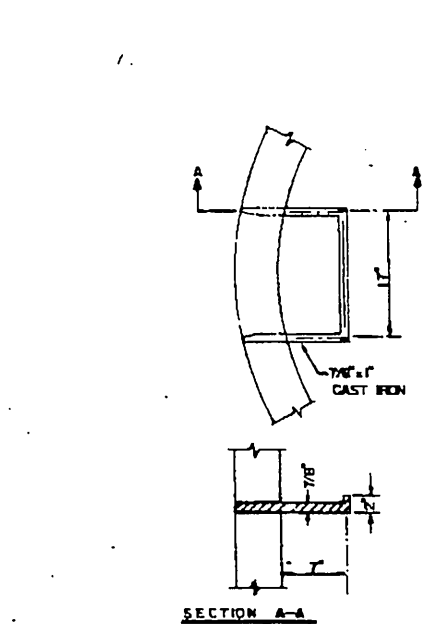
DOWL WD 050938

DWG No 251-44

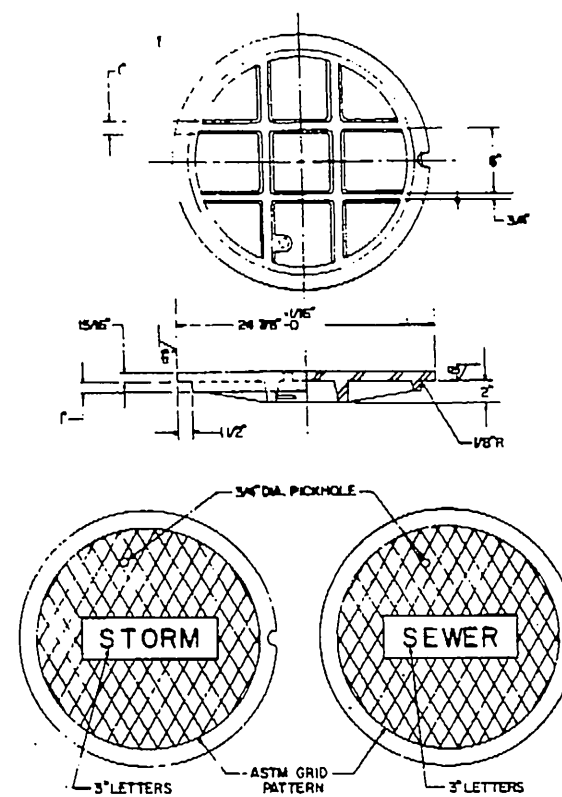
GDM & associates inc.

ARCHITECTS

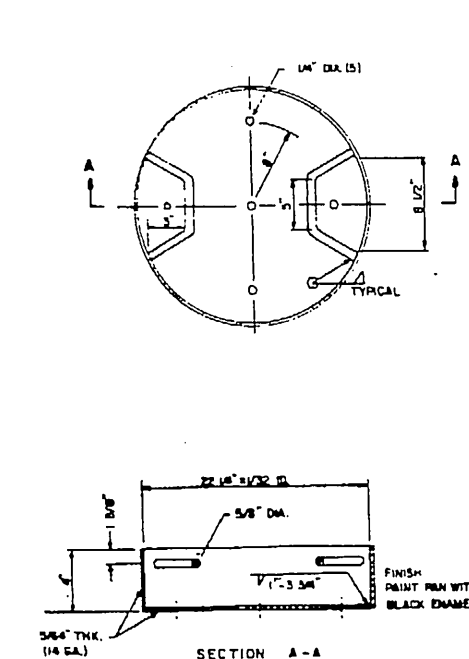
ENGINEERS



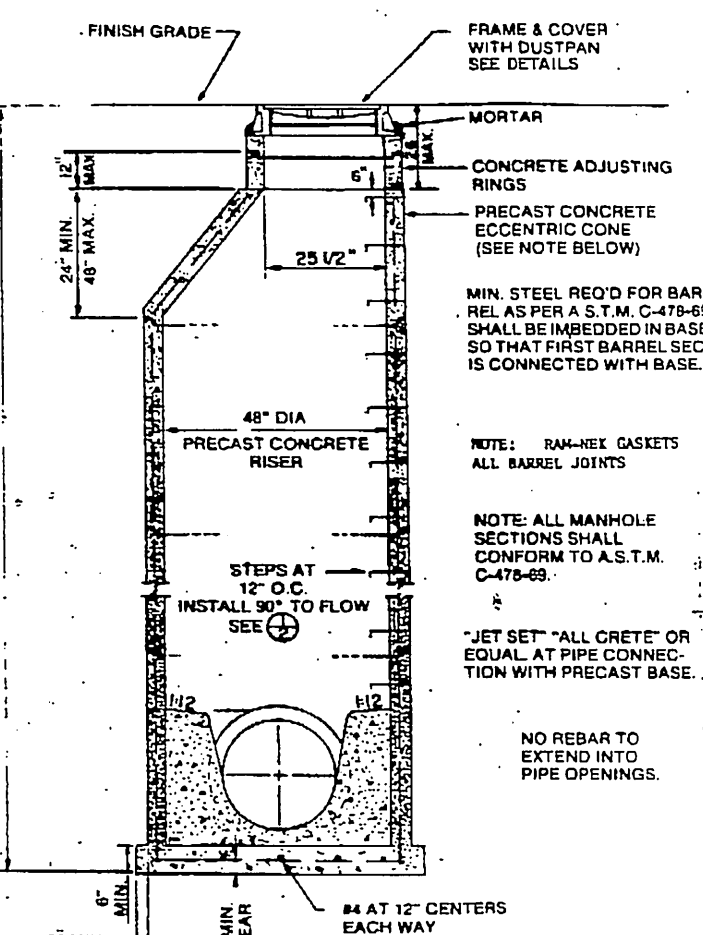
1 MANHOLE STEP
2 NTS



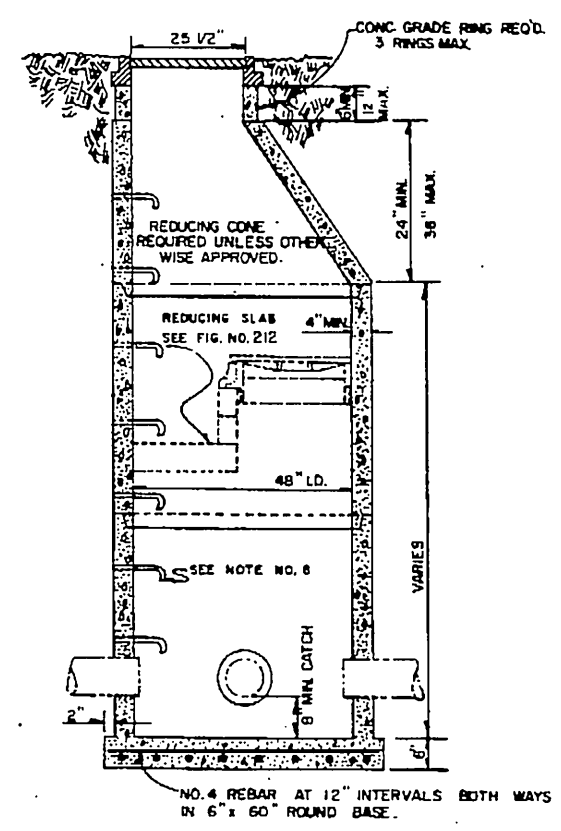
4 MANHOLE COVER
2 NTS



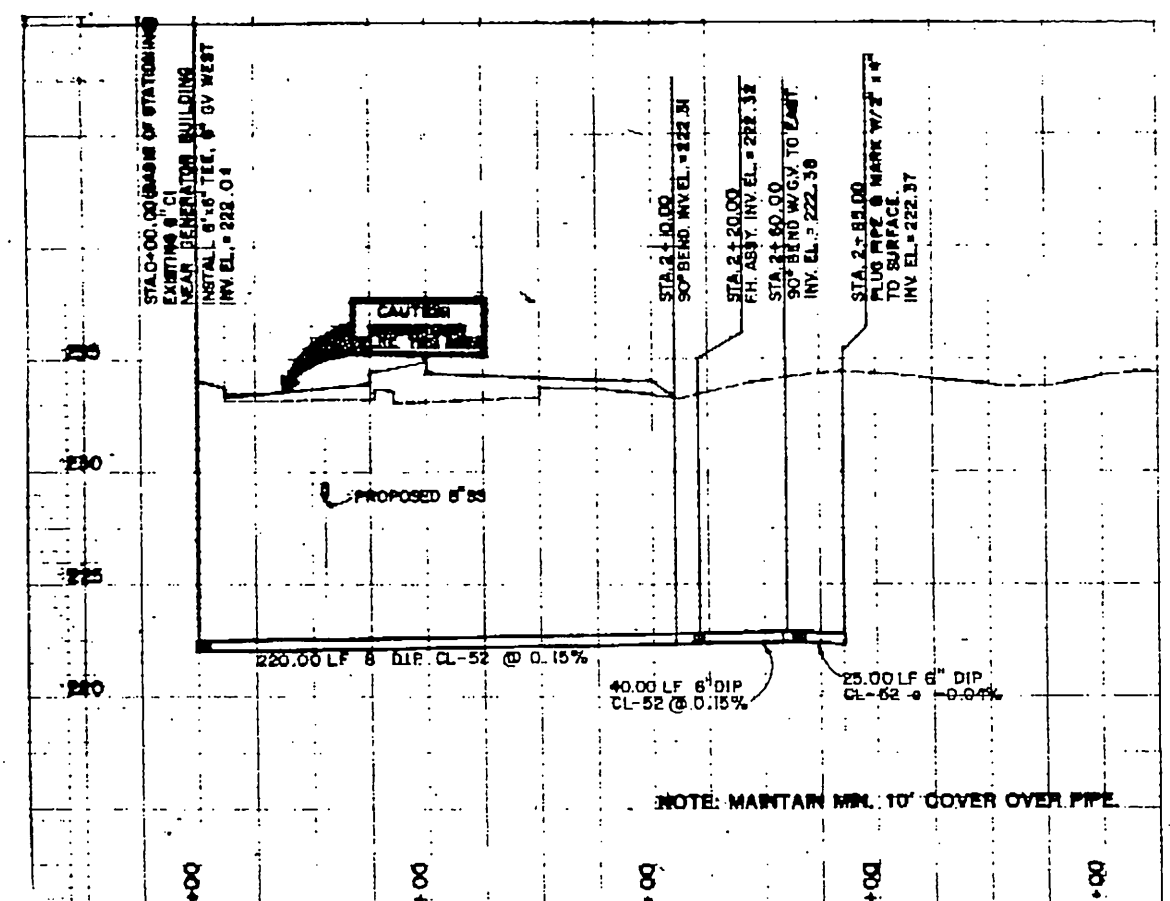
6 DUST PAN
2 NTS



2 SANITARY SEWER MANHOLE
2 NTS

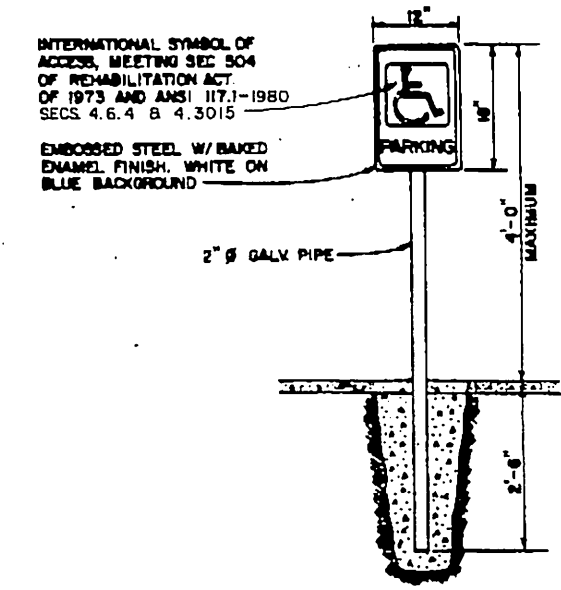


5 STORM SEWER MANHOLE
2 NTS

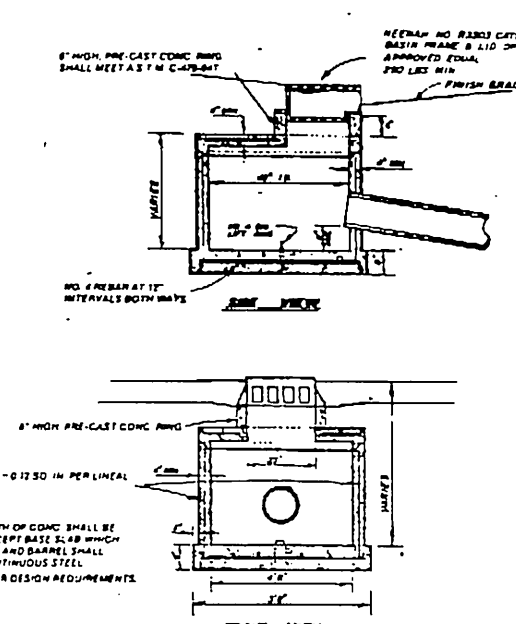


3 WATERLINE PROFILE
2 SCALE: HORIZ. 1\"/>

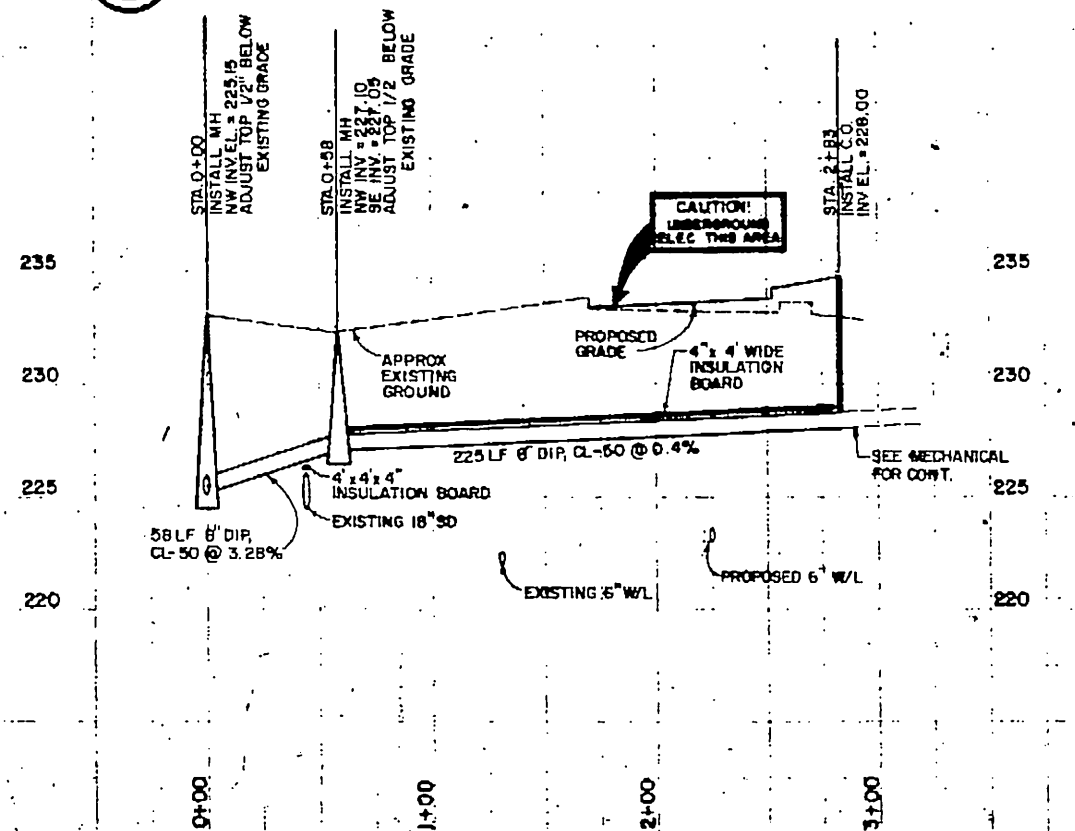
- NOTE:
1. REFER TO A.S.T.M. DESIGNATION C-478-69 FOR DESIGN REQUIREMENTS.
 2. SEE MANHOLE COVER FIGURE 4.
 3. MIN. STEEL REQ'D FOR BARREL AS PER A.S.T.M. C-478-69 SHALL BE IMBEDDED IN BASE SO THAT FIRST BARREL SEC. IS CONNECTED WITH BASE.
 4. PRIMARY LEADS NOT TO EXCEED 30\"/>



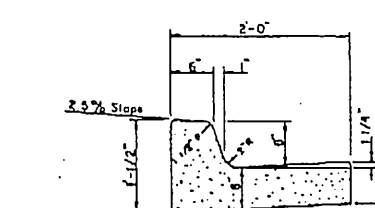
7 HANDICAP PARKING SIGN DETAIL
2 NTS



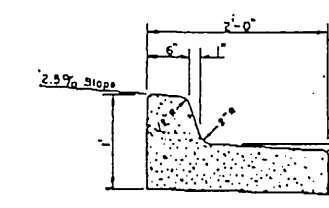
8 CATCH BASIN DETAIL
2 NTS



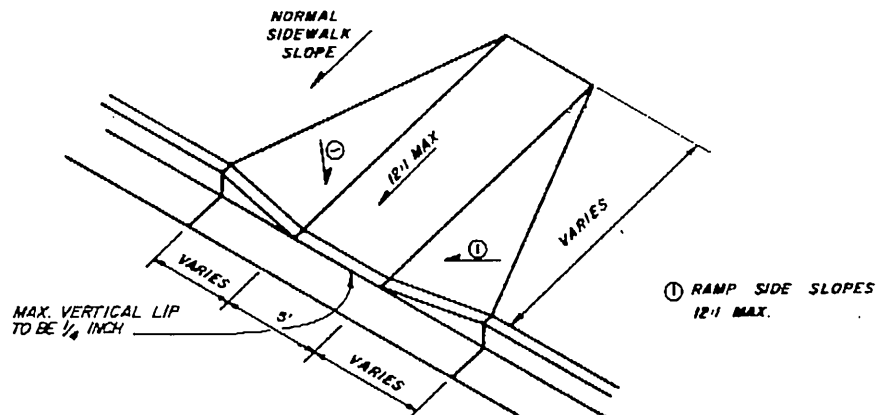
9 SANITARY SEWER PROFILE
2 SCALE: HORIZ. 1\"/>



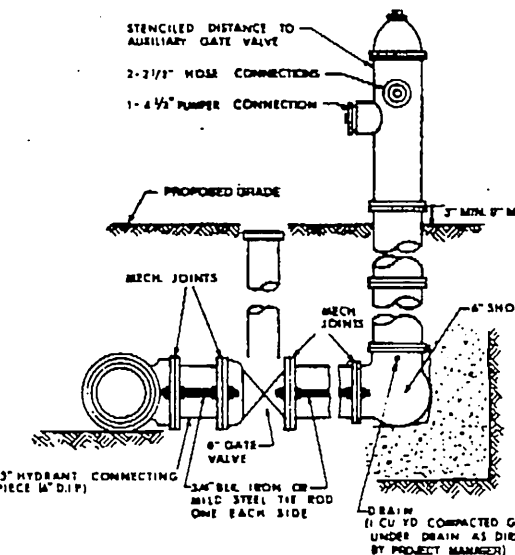
10 TYPE A CURB & GUTTER
2 NTS



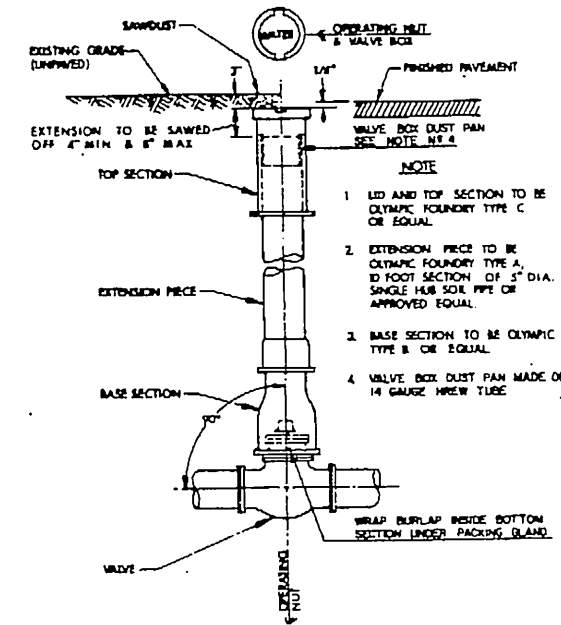
11 TYPE A CURB & GUTTER
2 NTS



12 HANDICAP RAMP
2 NTS



13 FIRE HYDRANT DETAIL
2 NTS



14 TYPICAL VALVE BOX
2 NTS



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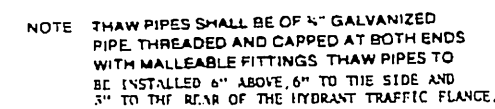
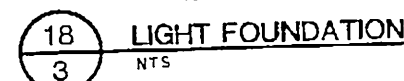
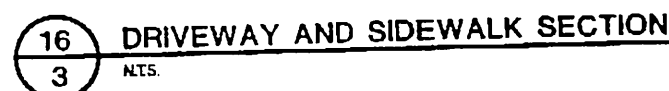
DOW ENGINEERS
ANCHORAGE STATEWIDE FORENSIC LABORATORY
STATE OF ALASKA
DEPARTMENT OF PUBLIC SAFETY
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER X-1003

CIVIL SITE DETAILS

JOB NO. 83-70

C-2

DATE 13 JULY 1984





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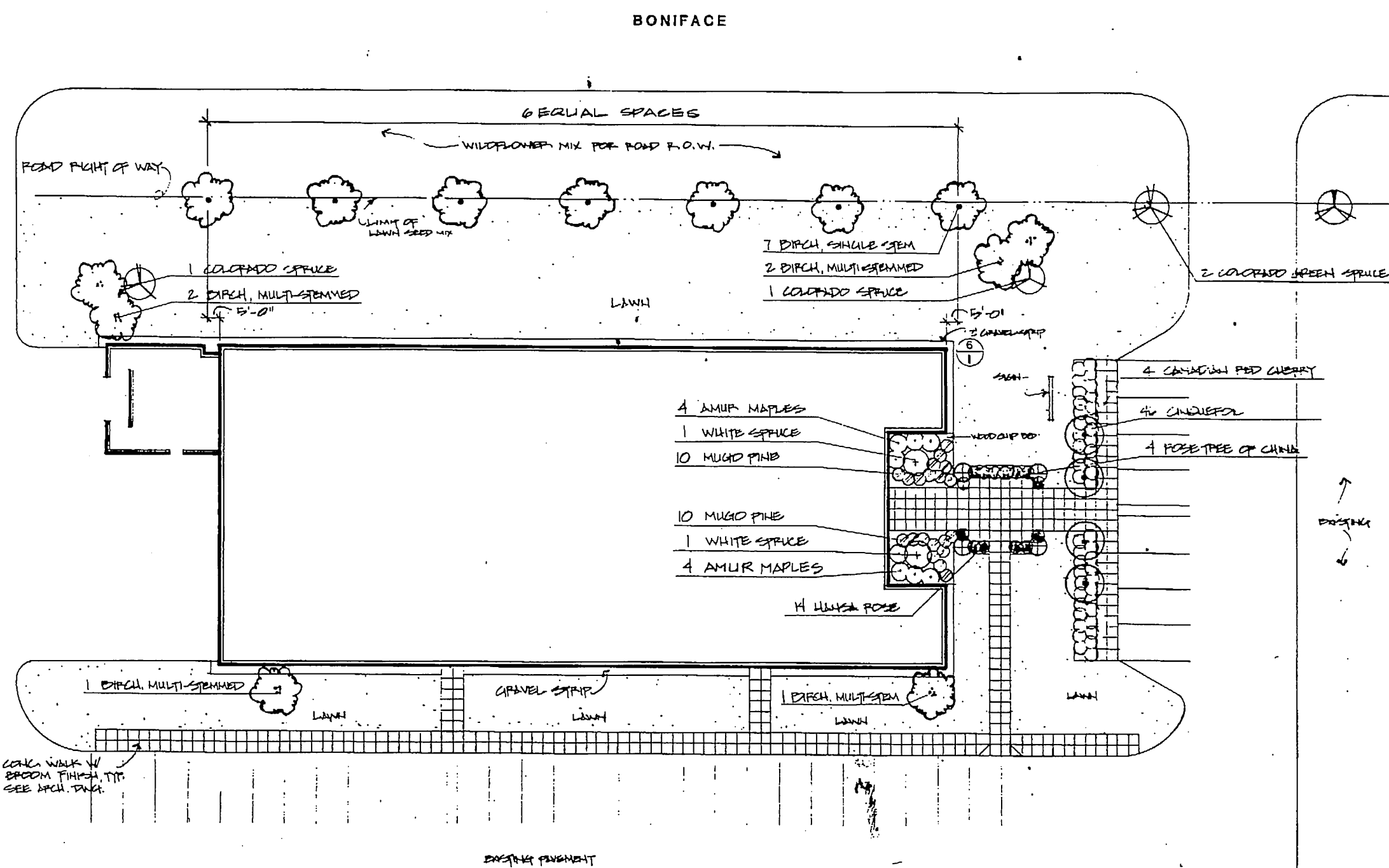
ANCHORAGE STATEWIDE
FORENSIC LABORATORY
DEPARTMENT OF PUBLIC SAFETY
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER X-10973

LANDSCAPE PLAN
DETAILS

JOB NO. 83-70

L-1

OF 18
DATE 13 JULY 84



LANDSCAPE PLAN

SCALE: 1" = 20.0'

PLANT SCHEDULE

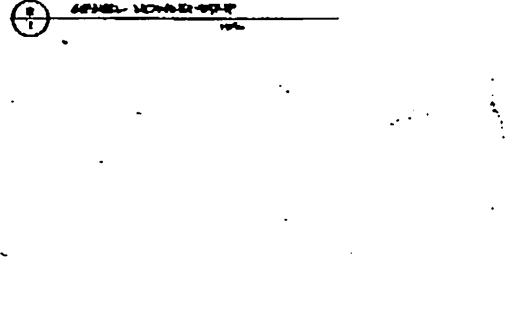
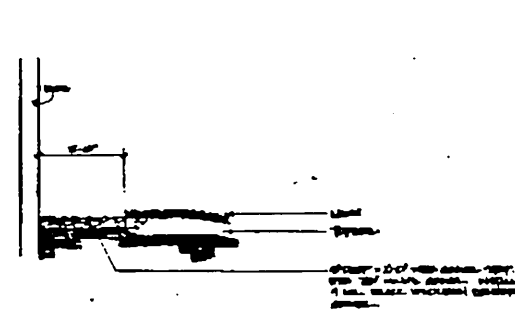
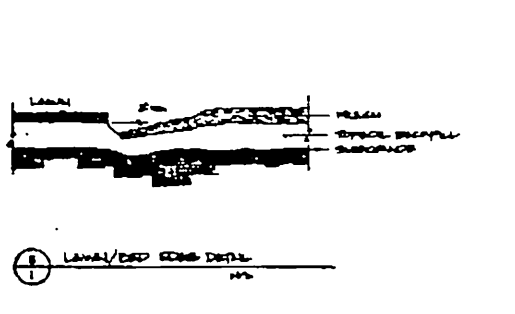
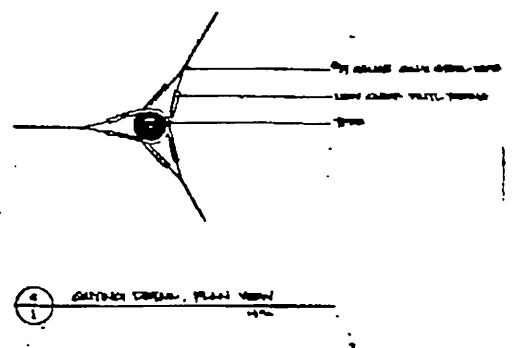
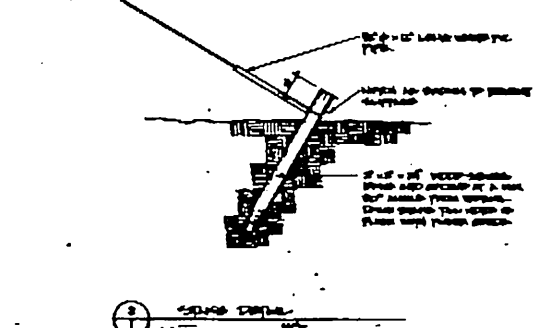
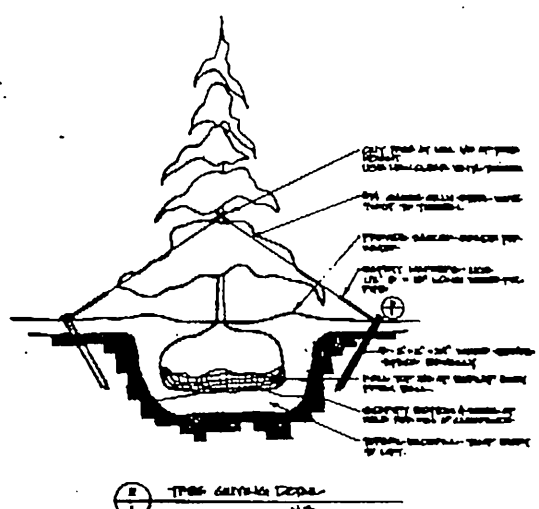
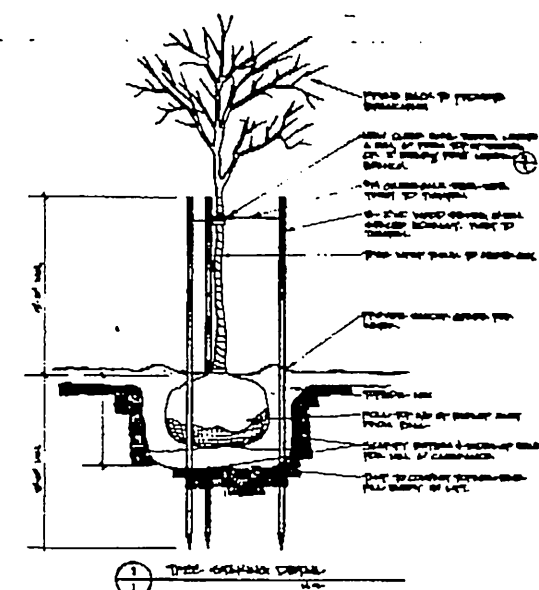
SYMBOL	QTY.	BOTANICAL NAMES	COMMON NAME	SIZE	COMMENTS
	8	ACER GINNALA	AMUR MAPLE	3'-4'	MULTI-STEMMED
	7	BETULA PAPIRIFERA	WHITE BIRCH	10'-12'	2" CALIBER, SINGLE STEM
	6	BETULA PAPIRIFERA	WHITE BIRCH	6'-8'	MULTI-STEMMED
	2	PICEA PUNGENS 'COLUMBA'	COLORADO BLUE SPRUCE	6'-8'	UNIFORMLY BRANCHED
	4	PICEA PUNGENS	COLORADO GREEN SPRUCE	2 @ 4'-5' 2 @ 6'-8'	
	20	PINUS MUGO MUGIOIDES	MUGO PINE	12'-15'	3 CAL.
	4	PRUNUS VIRGINIANA	CANADIAN RED CHERRY	8'-10'	1 1/2" CALIBER, UNIFORM.
	4	PRUNUS TRILOBA	POSE TREE OF CHINA	4'-5'	MULTI-STEMMED, FULL
	46	POTENTILLA FRUTICOSA 'KORTES'	CINQUEFOIL	9'-12'	2"-3" O.C.
	14	ROSA RUGOSA 'HANS'	HUNTER ROSE	15'-18'	3"-4" O.C.

SEED LAWN (SEE SPEC. FOR MIX)

WILDFLOWER MIX FOR ROAD R.O.W.

GENERAL NOTES

1. SITE TO BE CLEARED AND GRUBBED BY GENERAL AT TIME OF LANDSCAPE INSTALLATION, IF NECESSARY.
2. GENERAL CONTRACTOR TO SUPPLY LANDSCAPE SURFACE WITHIN 1/2 FOOT, PERMANENT POSITIVE DRAINAGE, AWAY FROM BUILDING.
3. THE MINIMUM DEPTH OF TOPSOIL AFTER COMPACTION SHALL BE 4".
4. PROVIDE 2" DEPTH OF WOOD CHIPS IN ALL PLANT BEDS.
5. PROVIDE 6" 2'-0" WIDE MOWING STRIP AROUND BUILDING. SEE TOWN'S WISHED GRAVEL, 3" DEPTH.
6. PLANT TREES AND SHRUBS AS SHOWN. (SEE DETAIL)
7. CONTACT ARCHITECT REGARDING ALL SITE CHANGES AND INTERFERENCE.
8. LANDSCAPE CONTRACTOR TO MAINTAIN UNTIL FINAL INSPECTION.
9. WARRANTY CONTINGENT UPON PROPER LANDSCAPE MAINTENANCE.
10. FOR SITE DIMENSIONS, SEE ARCH. SITE PLAN.



GENERAL NOTES

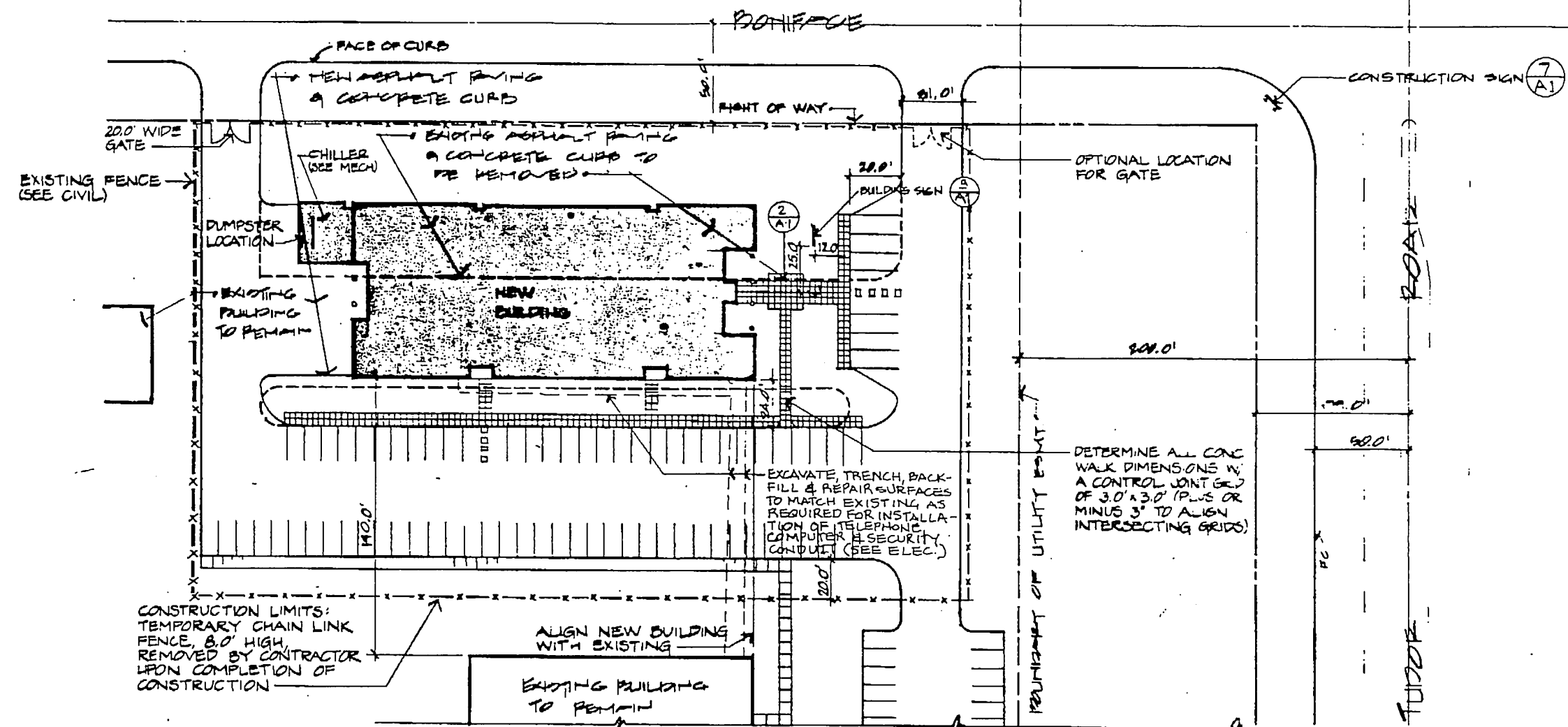
- All dimensions are to face of studs/face of block unless otherwise noted.
- All studs are spaced 16 inches on center unless otherwise noted.
- Walls not indicated by wall type symbol are wall type 6 (six).
- All concrete block to be filled solid with grout.
- Insulation types are as follows:
 - 2" rigid insulation with integral concrete topping (R-10).
 - 4" rigid insulation (R-20).
 - 1-1/2" rigid insulation.
 - 3" rigid insulation (R-15).
 - Sound batt insulation.
 - Sprayed-in-place foam insulation.
 - Wood fiber sound board.
 - Acoustical wall panels.
 - Glass fiber batt (R-19). (unless otherwise noted)
- Wall heights
 - Provide U.S.G. 2-hour fire rated shaft wall ceiling above Room 147 at 8'-2" and attached to roof trusses above Rooms 147 and 148.
 - All 1-hour fire rated walls in corridors shall extend from floor slab to bottom of roof trusses.
 - 1-hour walls surrounding Room 126, 156, 128, 129, 130, and shall extend from floor slab to bottom of roof sheathing.
 - 2-hour wall south of Rooms 147 and 148 shall extend from floor slab to bottom of roof sheathing.
 - Non-shear, non-bearing masonry walls in Room 145 shall extend from floor slab to bottom of roof trusses. Use wall type 8 from top of masonry to bottom of roof sheathing.
- Sound insulating walls shall extend from floor slab to bottom of sheathing.
- See wall sections for height of other walls.
- Height of walls not defined in general notes or wall sections shall be 4" above finished ceiling.
- Install vertical control joints on exterior finish system as per manufacturers recommendations. See Detail 6/A-3.
- Fill all voids between top of fire resistive rated walls and roof sheathing with approved fire rating material.
- Unlabeled, fire resistive rated assemblies shall comply with the following:
 - 1-hour wall - Uniform Building Code, 1982 edition, Table 43-B, Item 68
 - 2-hour wall - Uniform Building Code, 1982 edition, Table 43-B, Item 67
 - 1-hour ceiling - I.C.B.O. Research Report 1607-1983
 - 2-hour ceiling - I.C.B.O. Test No. 1495
- Provide solid backing for all wall mounted items including, but not limited to, door stops, casework, grab bars, and specialty items.

TYPICAL SYMBOLS

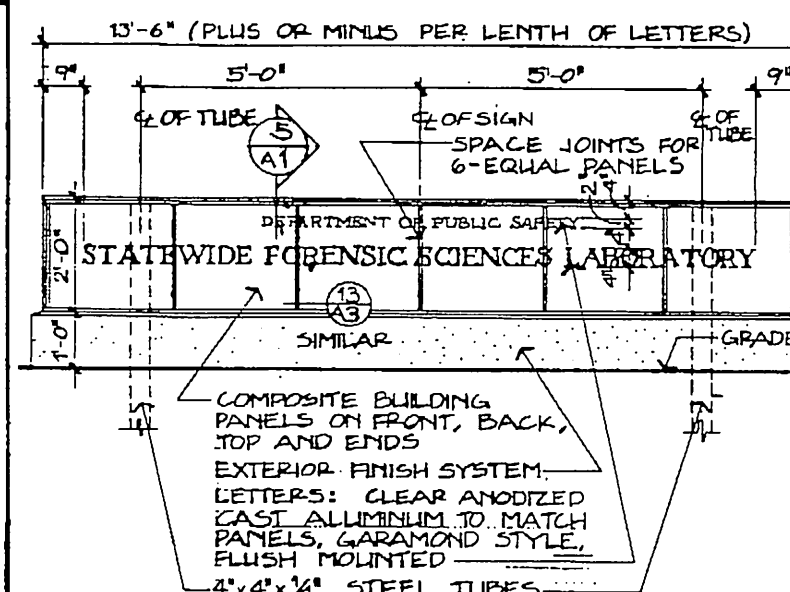
METAL STUD PARTITION	UNDISTURBED SOIL	BUILDING SECTION	INTERIOR ELEVATION
CONCRETE MASONRY UNIT	COMPACTED SOIL	Drawing Number	Drawing Number
1 HOUR PARTITION	CONCRETE	Sheet Number	Sheet Number
CONCRETE MASONRY UNIT WITH FURRING OR SIDING	STEEL	WALL SECTION	LABORATORY CASEWORK
NEW CONTOUR LINE	ALUMINUM	Drawing Number	Drawing Number
EXISTING CONTOUR LINE	PLYWOOD	Sheet Number	Sheet Number
PROPERTY LINE	FINISH WOOD	DETAIL	PURE BOODS
CENTER LINE	ROUGH WOOD	Drawing Number	Drawing Number
VAPOR BARRIER (SECTIONS)	ROUGH WOOD (NOT CONTINUOUS)	Sheet Number	Sheet Number
FENCE	GYPSON BOARD	WALL TYPES	LABORATORY SINKS
EXISTING TO REMAIN	BATT INSULATION	ROOM NUMBERS	PHOTOGRAPHIC EQUIPMENT
EXISTING TO BE REMOVED	RIGID INSULATION	DOOR NUMBERS	
GRAVEL	HARD TILE (CERAMIC QUARRY)	WINDOW TYPES	
		REVISIONS	
		SPOT ELEVATION	

TYPICAL ABBREVIATIONS

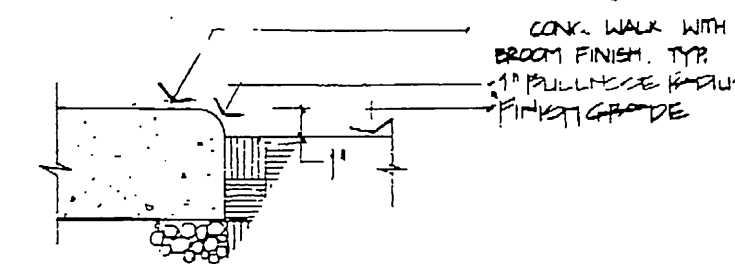
AND	ANCHOR BOLT	CONSTR.	CONNECTION	F.H.C.	FIRE ROSE CABINET	JAN	JANITOR	P.T.R.	PAPER TOWEL RECEPTACLE	SIM.	SIMILAR
ANGLE	ACOUS.	CONSTR.	CONNECTION	F.O.C.	FACE OF CABINET	JT.	JOINT	PRE-CAST	PRE-CAST	SPEC.	SPECIFICATION
CENTERLINE	ADJUSTABLE	CONSTR.	CONNECTION	F.O.F.	FACE OF FINISH	KIT.	KITCHEN	PL.	PLATE	SO.	SQUARE
DIAMETER OR ROUND	AGGR.	CONSTR.	CONNECTION	F.O.S.	FACE OF STUDS	LAB.	LABORATORY	PLAS.	PLASTER	STA.	STATION
PERPENDICULAR	AL.	CONSTR.	CONNECTION	FDM.	FOUNDATION	LAV.	LAVATORY	PLYWD.	PLYWOOD	STD.	STANDARD
POUND OR NUMBER	ALT.	CONSTR.	CONNECTION	FIN.	FINISH	UT.	UTILITY	PR.	PAIR	STL.	STEEL
	APPROX.	CONSTR.	CONNECTION	FL.	FLASHING	N.O.	NORTH	PT.	POINT	STOR.	STORAGE
	ARCH.	CONSTR.	CONNECTION	FT.	FOOT OR FEET	NACH.	NACH.	FTD.	PAINTED	SUSP.	SUSPENDED
	ASPH.	CONSTR.	CONNECTION	FTG.	FOOTING	NECH.	NECH.	Q.T.	QUARRY TILE	SYM.	SYMMETRICAL
		CONSTR.	CONNECTION	FUR.	FURRING	MEMB.	MEMBRANE	R.	RADIUS	T.B.	TOWEL BAR
		CONSTR.	CONNECTION	G.B.	GRAB BAR	MEMB.	MEMBRANE	R.D.	ROUGH OPENING	T.C.	TOP OF CURB
		CONSTR.	CONNECTION	GA.	GAGE	MFR.	MANUFACTURER	R.O.	ROUGH OPENING	T.P.D.	TOILET PAPER DISPENSER
		CONSTR.	CONNECTION	GALV.	GALVANIZED	MIN.	MINIMUM	REF.	REFRIGERATOR	T.N.	TOP OF WALL
		CONSTR.	CONNECTION	GND.	GROUND	MISC.	MISCELLANEOUS	REFR.	REFRIGERATOR	TEL.	TELEPHONE
		CONSTR.	CONNECTION	GYP.	GYPSON	MUL.	MULLION	REIN.	REINFORCED	THK.	THICK
		CONSTR.	CONNECTION	H.C.	HOLLOW CORE	N.	NORTH	REQ.	REQUIRED	TYP.	TYPICAL
		CONSTR.	CONNECTION	H.W.	HARDWARE	N.I.C.	NOT IN CONTRACT	RESIL.	RESILIENT	UR.	URINAL
		CONSTR.	CONNECTION	HORIZ.	HORIZONTAL	N.T.S.	NOT TO SCALE	RM.	ROOM	UTIL.	UTILITY
		CONSTR.	CONNECTION	HT.	HEIGHT	NOM.	NOMINAL	S.	SOUTH	V.C.T.	VINYL COMPOSITION TILE
		CONSTR.	CONNECTION	HCT.	HEIGHT	O.C.	ON CENTER	S.C.D.	SOLID CORE	VERT.	VESTIBULE
		CONSTR.	CONNECTION	I.D.	INSIDE DIAMETER	O.D.	OUTSIDE DIAMETER (DIM.)	S.N.D.	SEAT COVER DISPENSER	W.	WEST
		CONSTR.	CONNECTION	INSUL.	INSULATION	OB.	OBSCURE	S.N.R.	SANITARY NAPKIN DISPENSER	W.C.	WATER CLOSET
		CONSTR.	CONNECTION	INT.	INTERIOR	OPG.	OPENING	S.S.	STAINLESS STEEL	W/O	WITHOUT
		CONSTR.	CONNECTION			OPP.	OPPOSITE	SAN.	SANITARY	WD.	WOOD
		CONSTR.	CONNECTION			P.P.	POWER POLE	SCHED.	SCHEDULE	WP.	WATERPROOF
		CONSTR.	CONNECTION			P.T.D.	PAPER TOWEL DISPENSER	SECT.	SECTION	WECT.	WAINSCOT
		CONSTR.	CONNECTION					SHEET	SHEET	WT.	WEIGHT



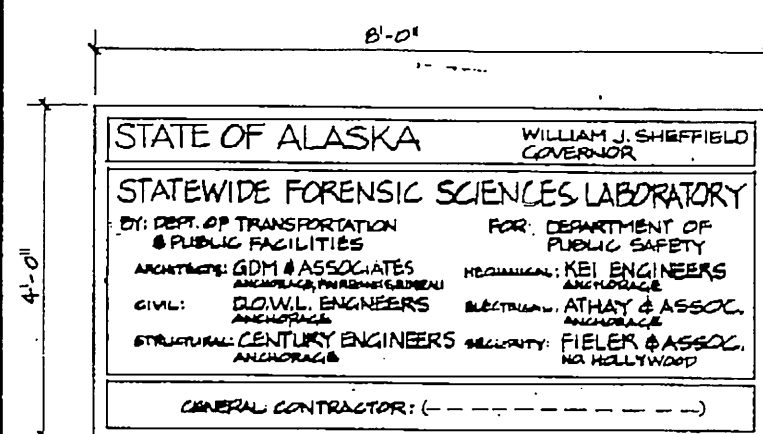
1 SITE PLAN
1" = 40.0'
NORTH



2 BUILDING SIGN ELEVATION
SCALE: 1/2" = 1'-0"

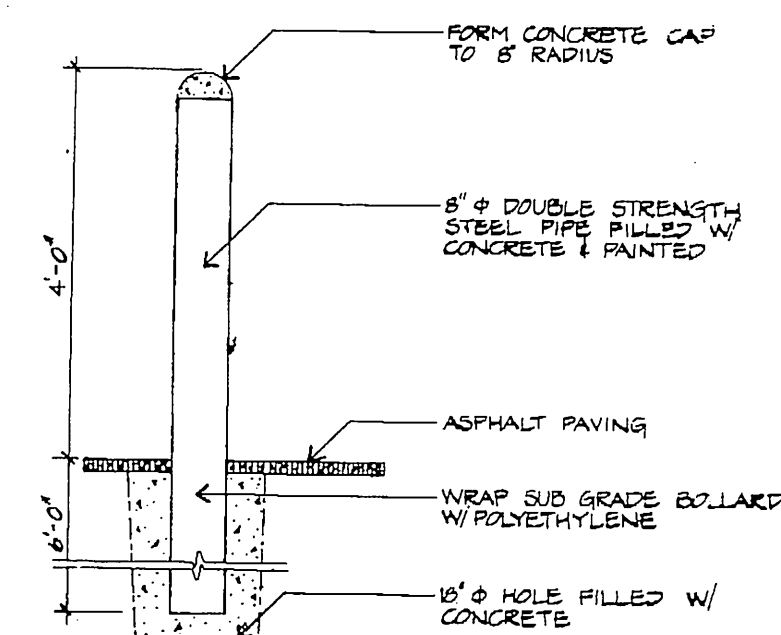


3 SIDE WALK DETAIL
N.T.S.

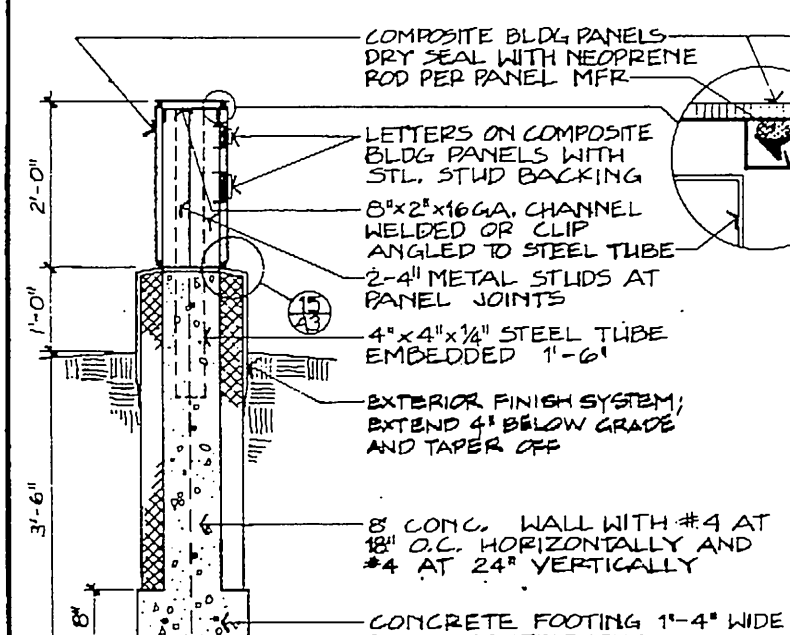


- NOTES: 1. USE 3/4" PLYWOOD & EXTERIOR LATEX PAINT.
2. BACKGROUND SHALL BE ONE COLOR, LETTERS AND STRIPING ANOTHER COLOR (BOTH SELECTED BY ARCHITECT)
3. ALL LETTERS, HELVETICA MEDIUM.
4. SIGN PAINTER SHALL SUBMIT LAYOUT DRAWING AT 3/4" = 1'-0" SCALE FOR APPROVAL BY ARCHITECT.
5. SECURE SIGN FIRMLY FOR EXPECTED WIND LOADS WHERE SHOWN ON DRAWINGS WITH TOP OF SIGN 8'-0" ABOVE GRADE.

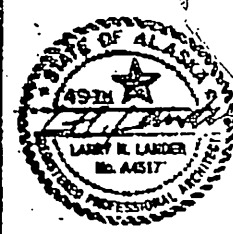
7 CONSTRUCTION SIGN
N.D. SCALE



6 BUILDING SIGN SECTION
SCALE: 3/4" = 1'-0"



4 CONTROL JOINT
N.T.S.



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ANCHORAGE STATEWIDE
FORENSIC SCIENCES LABORATORY
STATE OF ALASKA
DEPARTMENT OF PUBLIC SAFETY
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER A-10023

SITE PLAN
DETAILS

JOB NO. 83-70

A-1

OF 18
DATE 13 JULY 84



GDM & Associates Inc.
ARCHITECTS
ANCHORAGE • FAIRBANKS • JUNEAU

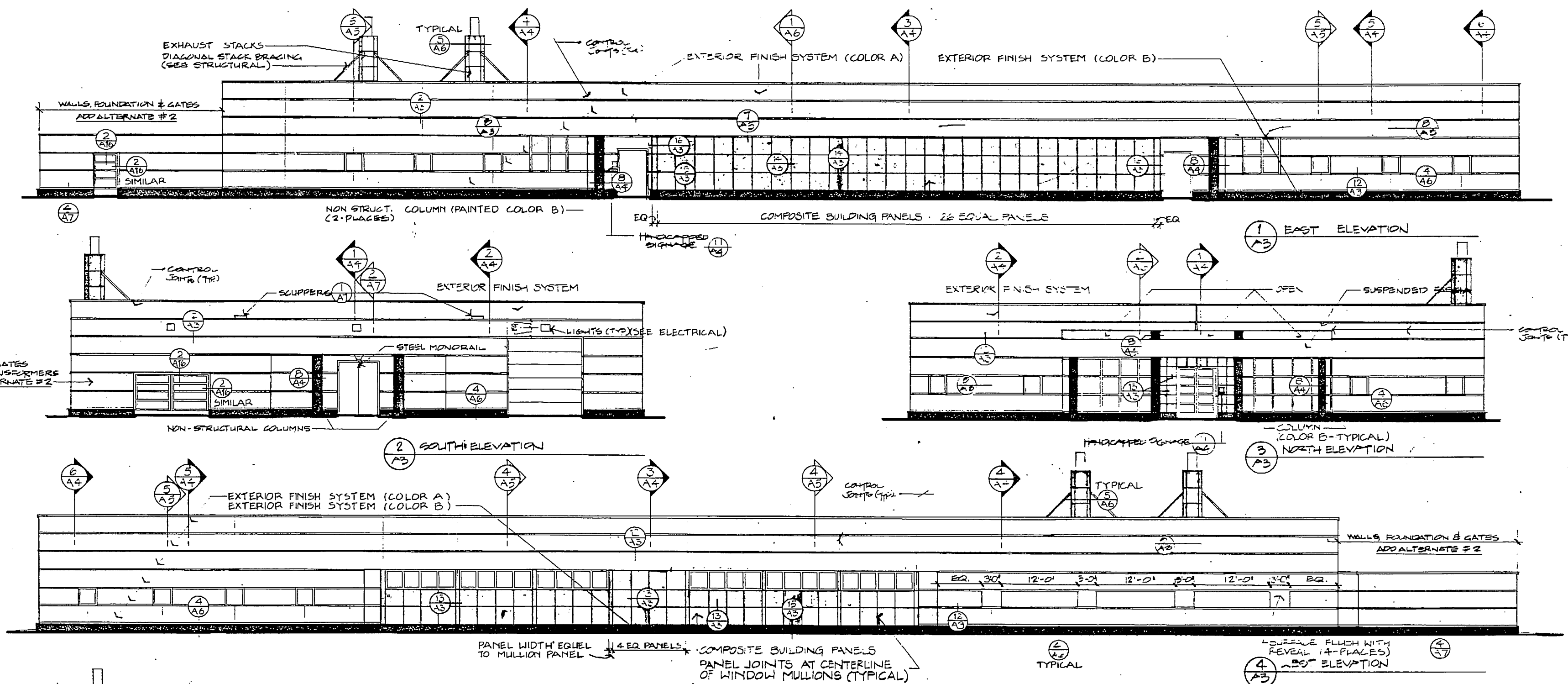
ANCHORAGE STATEWIDE
FORENSIC LABORATORY
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER A-1003

EXTERIOR ELEVATIONS

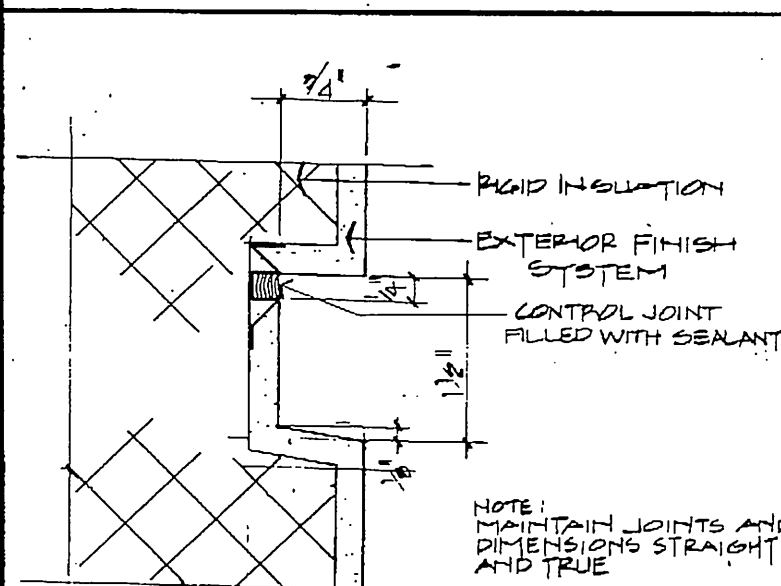
JOB NO. 23-70

A-3

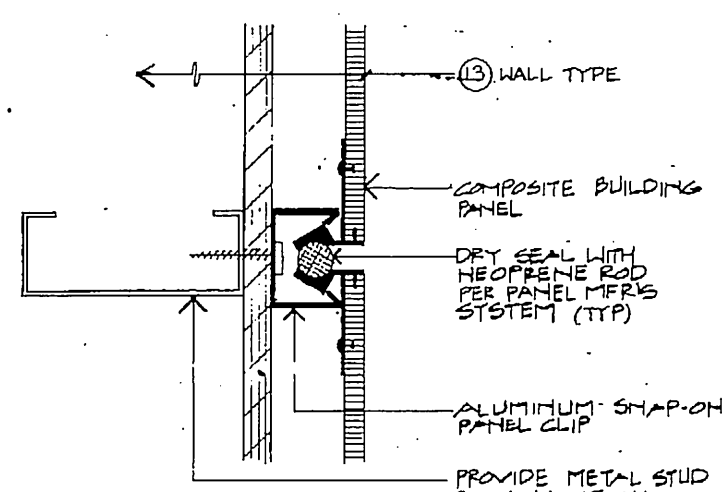
OF 18
DATE 13 JULY 84



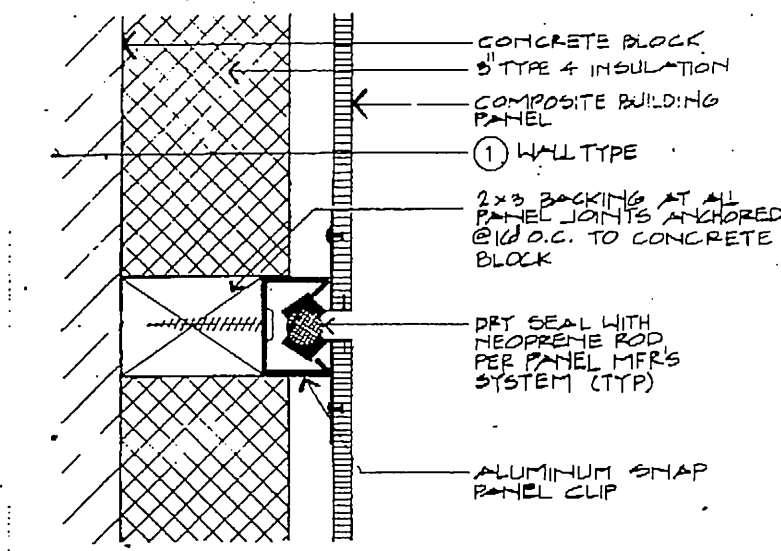
NOTE:
QUANTITY AND LOCATION OF
VERTICAL CONTROL JOINTS MAY
VARY PER EXTERIOR FINISH
SYSTEM MANUFACTURER'S REQUI-
REMENTS AND RECOMMENDATIONS,
AND AS COORDINATED WITH THE
ARCHITECT.



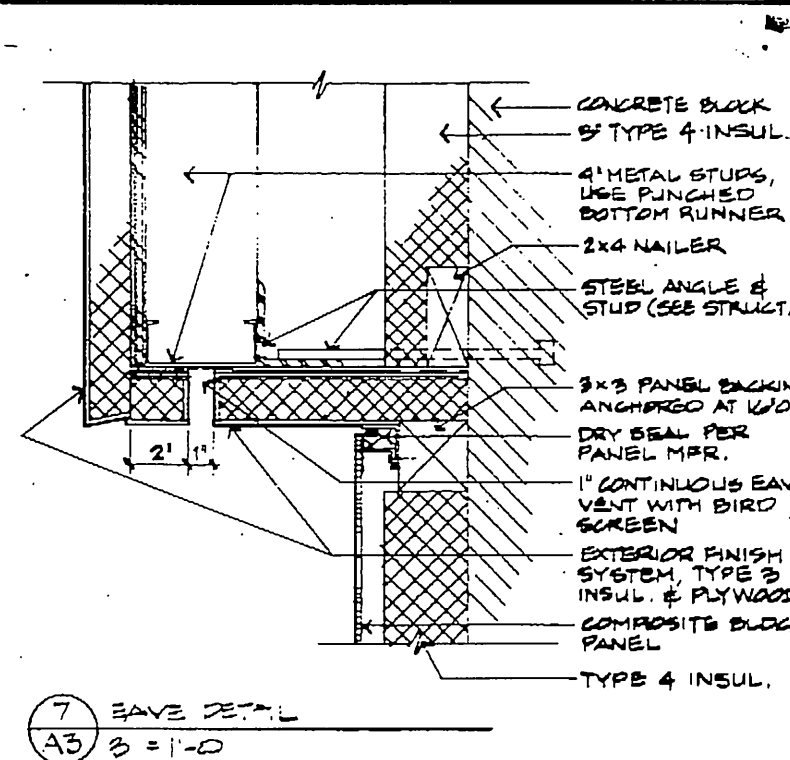
12 HORIZONTAL REVEAL
FULL SCALE



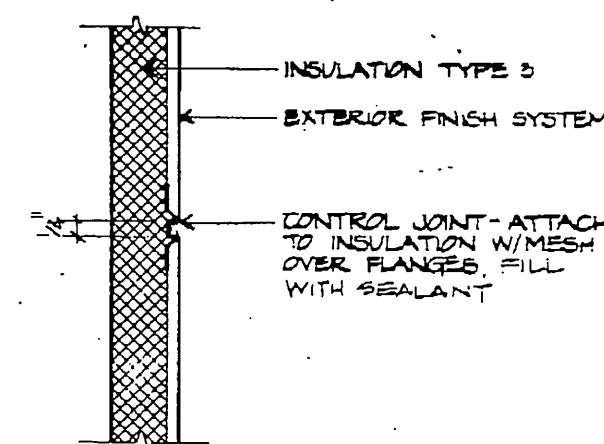
13 PANEL JOINT
HALF SCALE



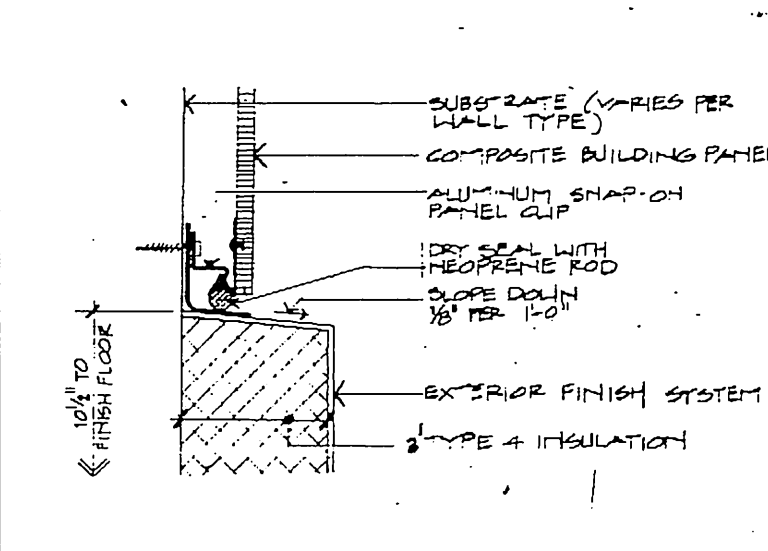
14 PANEL JOINT
HALF SCALE



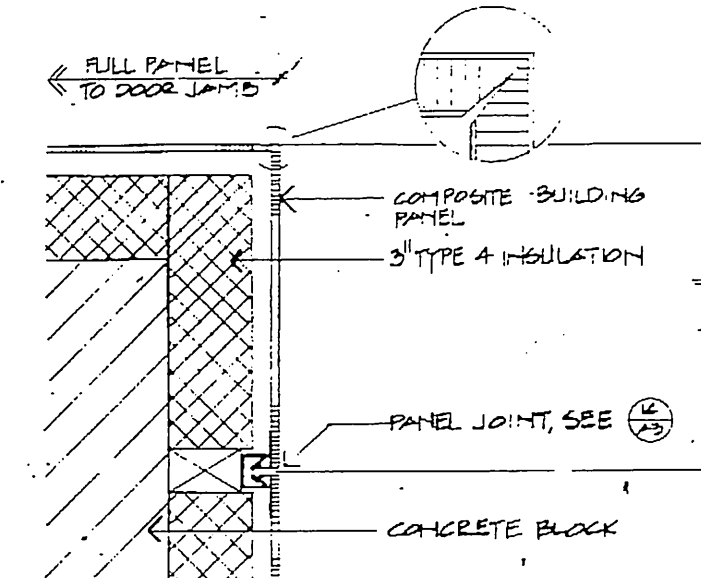
7 EAVE DETAIL
3/4" = 1'-0"



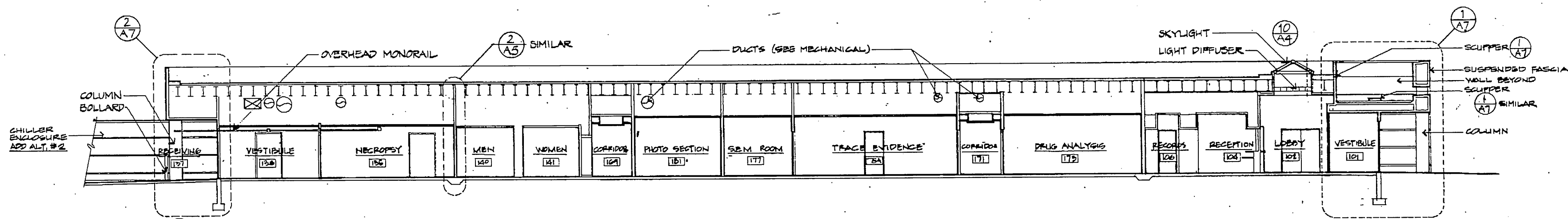
8 CONTROL JOINT
NO SCALE



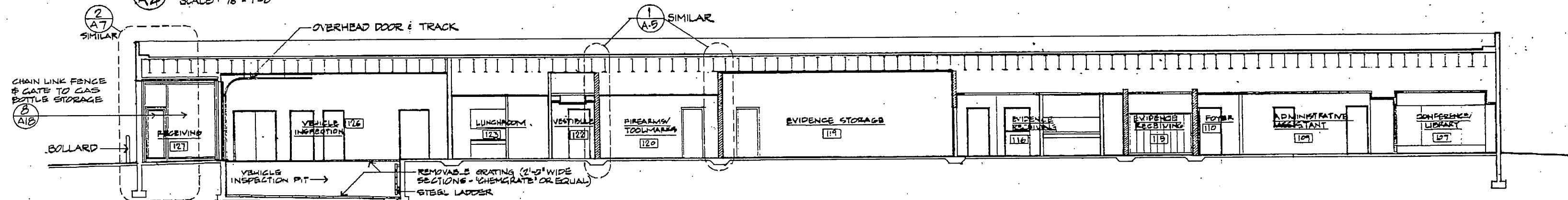
15 PANEL DETAIL
HALF SCALE



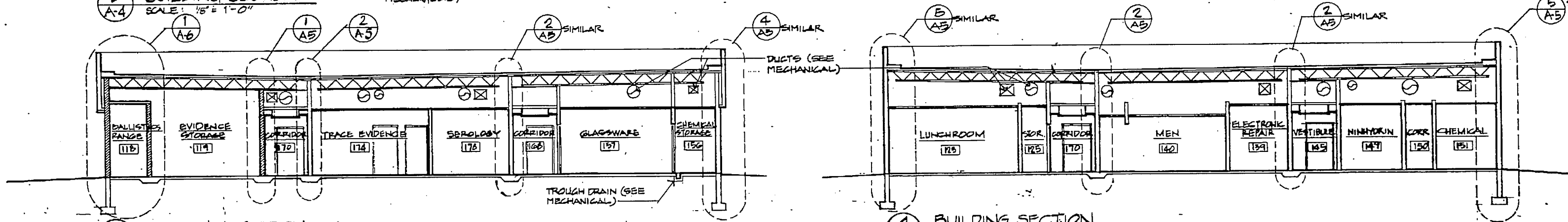
16 CORNER DETAIL
3/4" = 1'-0"



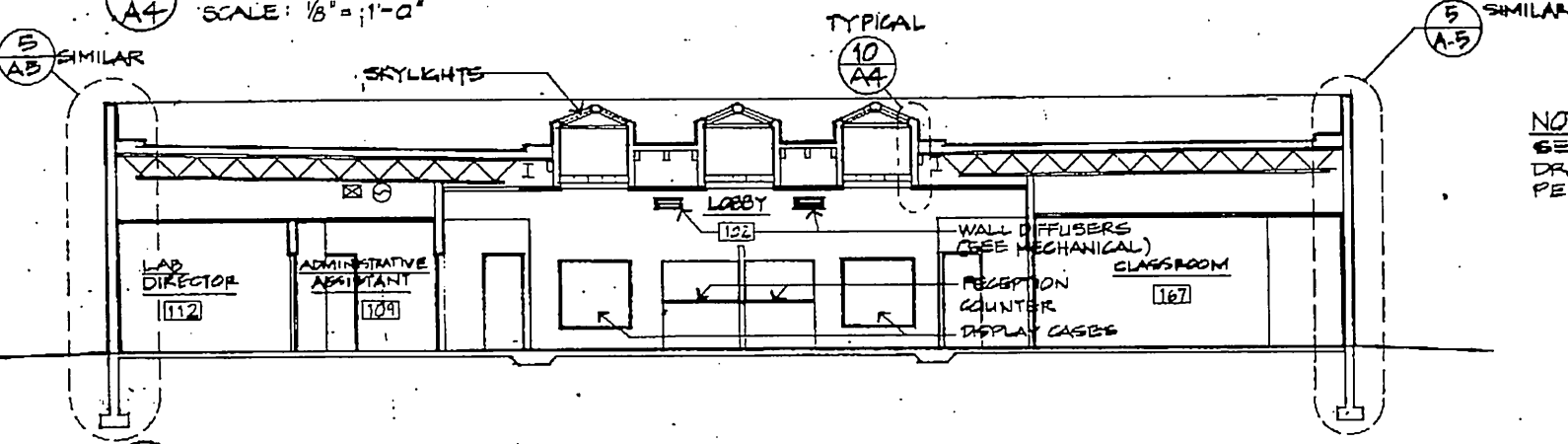
1 BUILDING SECTION
A-A SCALE: 1/8" = 1'-0"



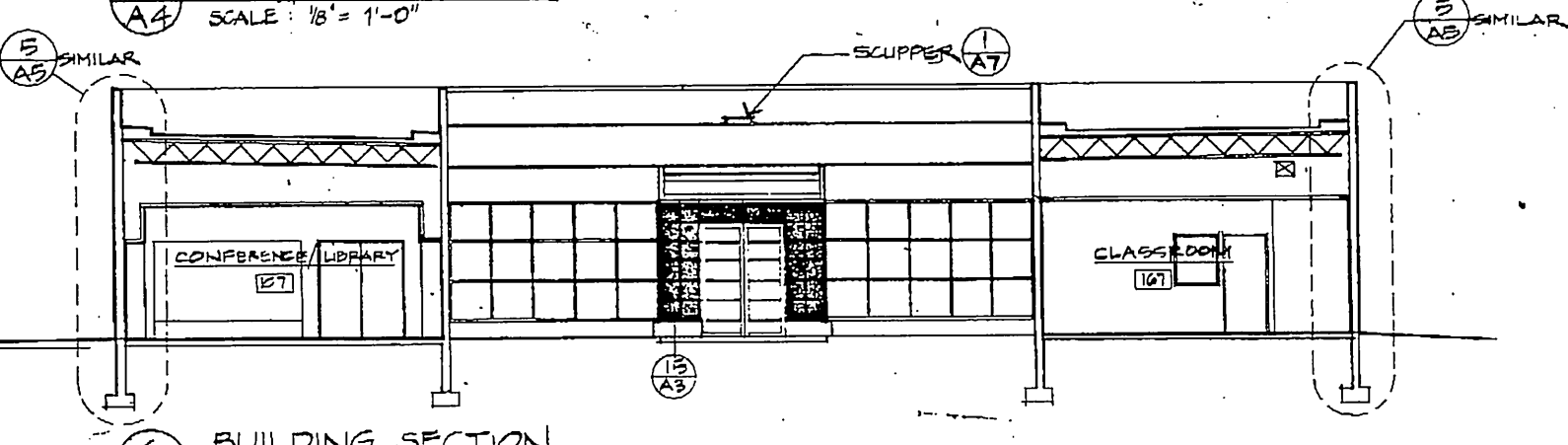
2 BUILDING SECTION
A-A SCALE: 1/8" = 1'-0"



3 BUILDING SECTION
A-A SCALE: 1/8" = 1'-0"

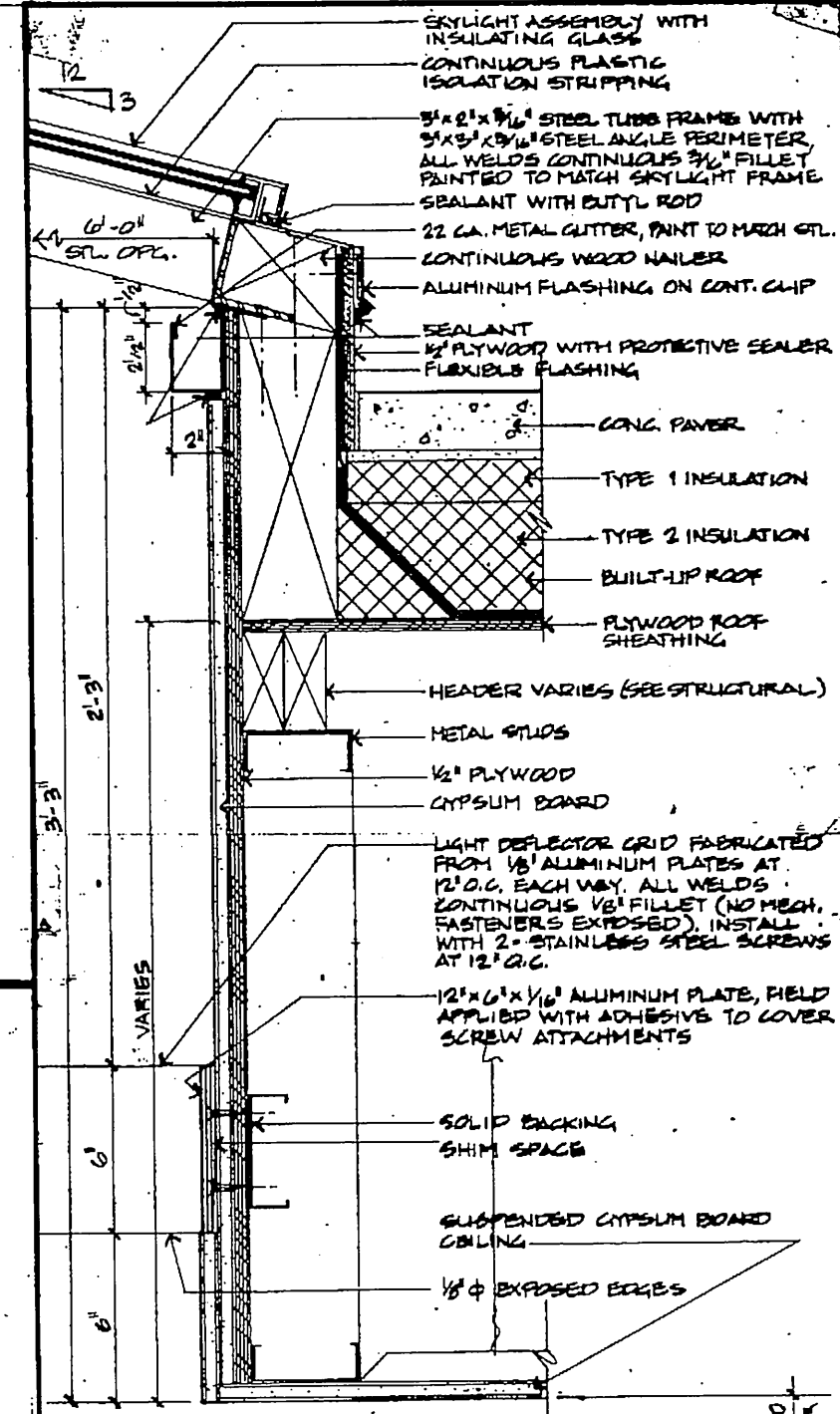


4 BUILDING SECTION
A-A SCALE: 1/8" = 1'-0"

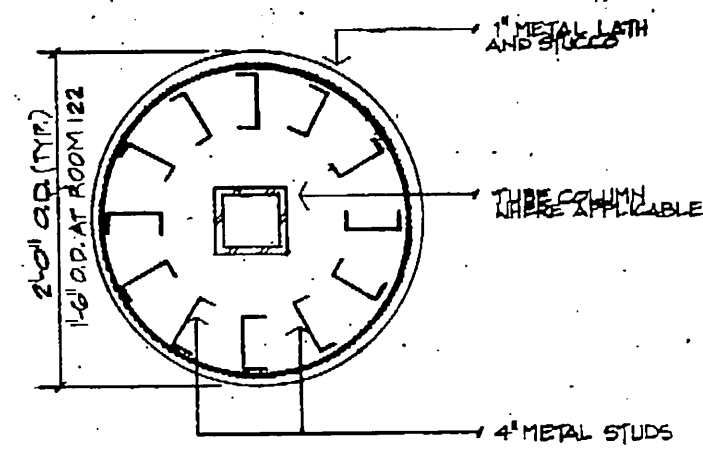


5 BUILDING SECTION
A-A SCALE: 1/8" = 1'-0"

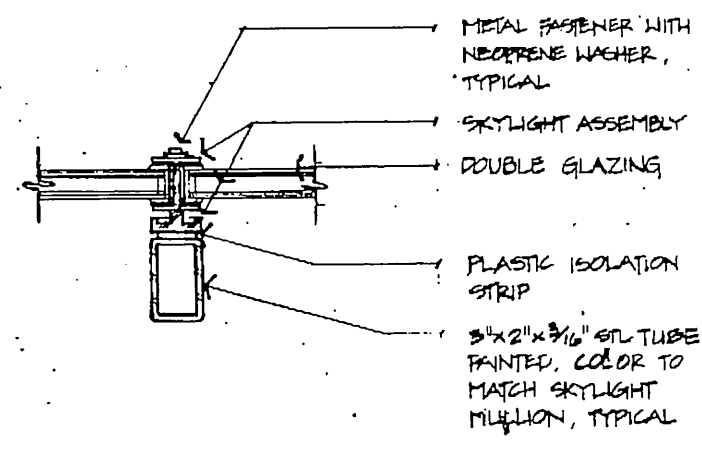
NOTE:
SEE ROOF PLAN & MECHANICAL
DRAWINGS FOR ALL ROOF
PENETRATIONS & PAVERS



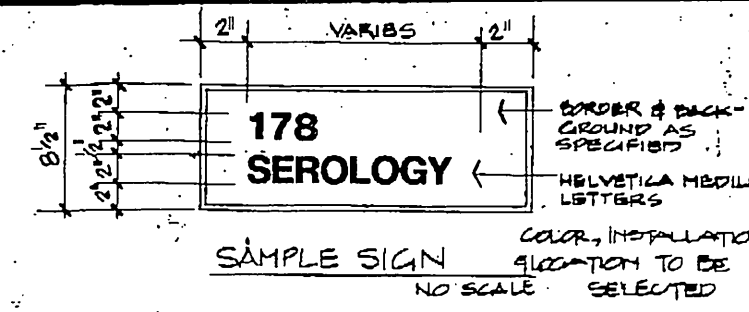
10 SKYLIGHT DETAIL
A-A SCALE: 3" = 1'-0"



8 COLUMN DETAIL
A-A SCALE: 1/2" = 1'-0"



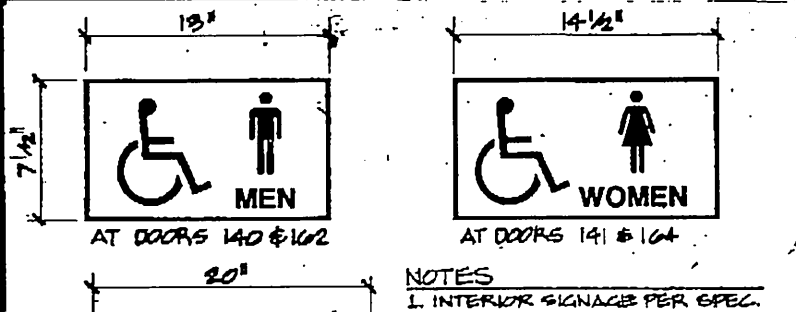
9 SKYLIGHT MULLION
A-A SCALE: 3" = 1'-0"



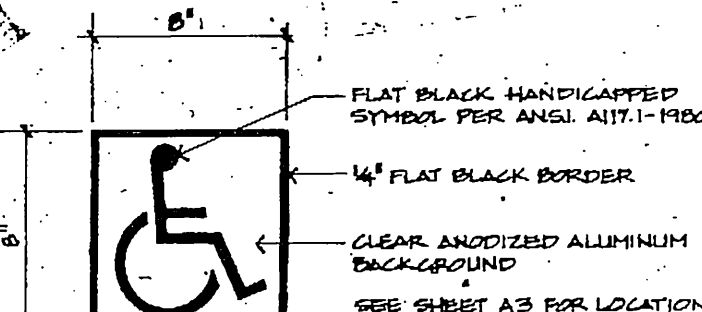
PROVIDE AND INSTALL THE FOLLOWING ROOM SIGNS:

Lab Director	109	Drug Analysis	173	PTIR	160
Head Chemist	110	Trace Evidence	174	Mass	159
Evidence Clerk	116	Serology	178	Spectrometer	161
Ballistics	120	Photography	181	Instrumentation	159
Vehicle Inspection	126	Electronics	182	Classroom	167
Necropsy	135	Repair	139		
Toxicology	172	Fingerprints	154		
		Glassware	157		

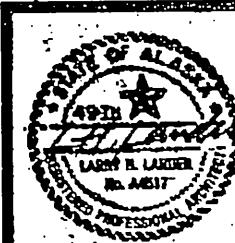
13 SIGNAGE DETAIL
A-A N.T.S.



12 SIGNAGE DETAIL
A-A N.T.S.



11 SIGNAGE DETAIL
A-A N.T.S.



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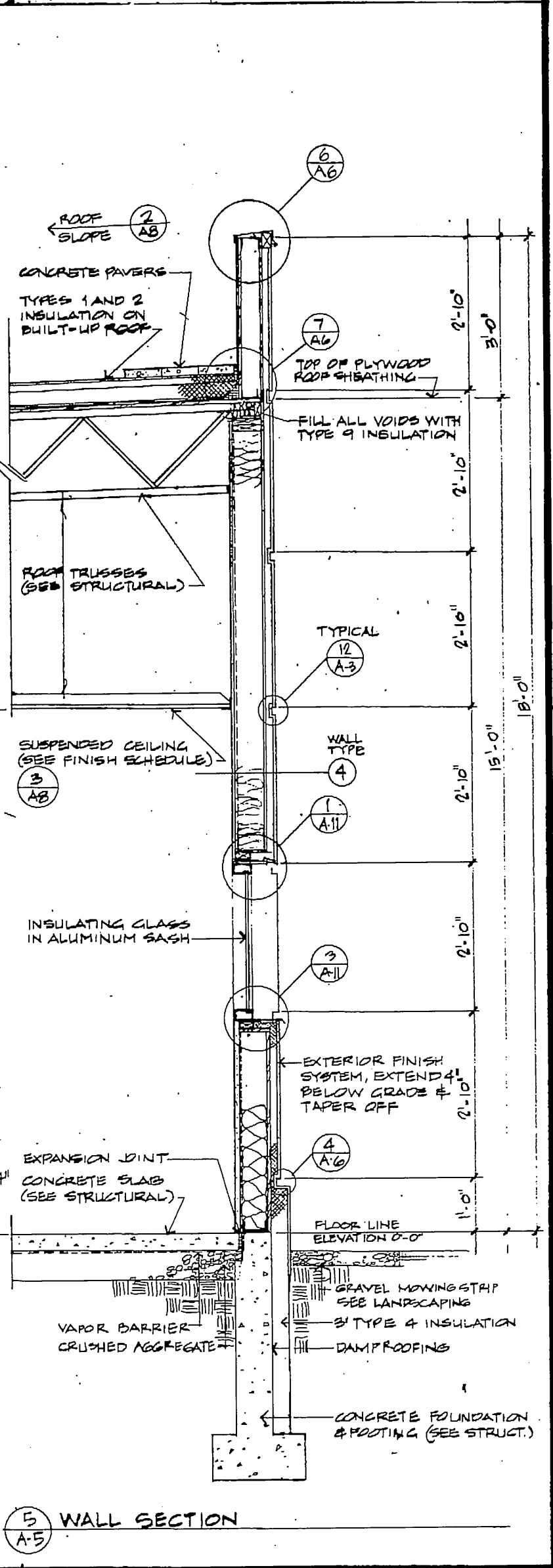
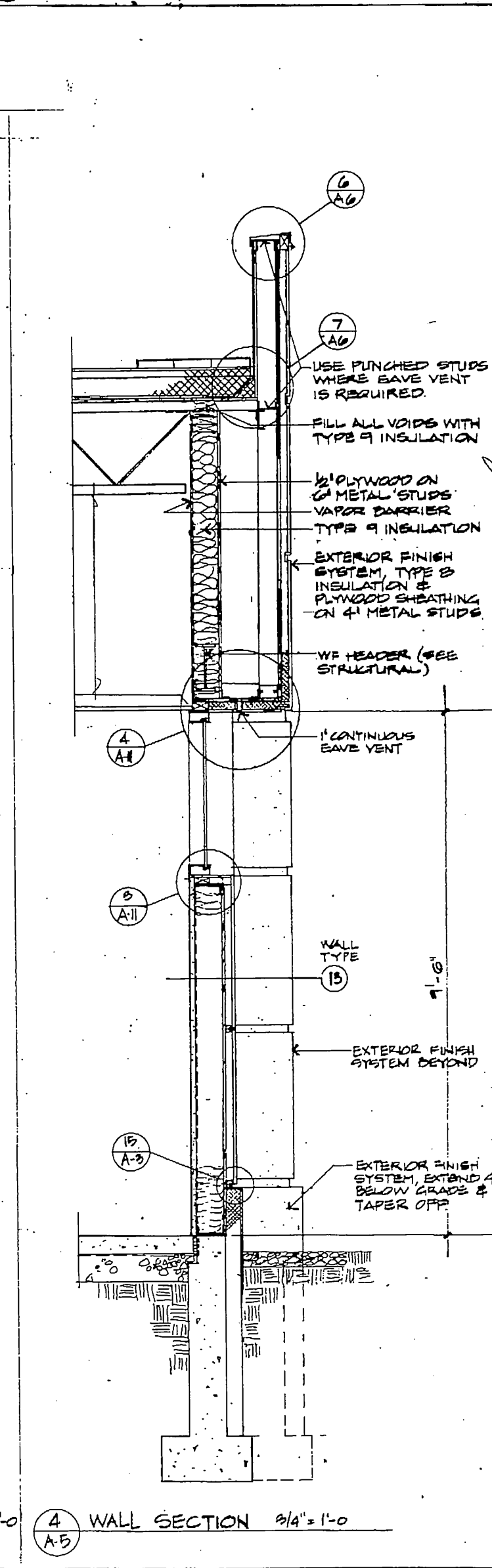
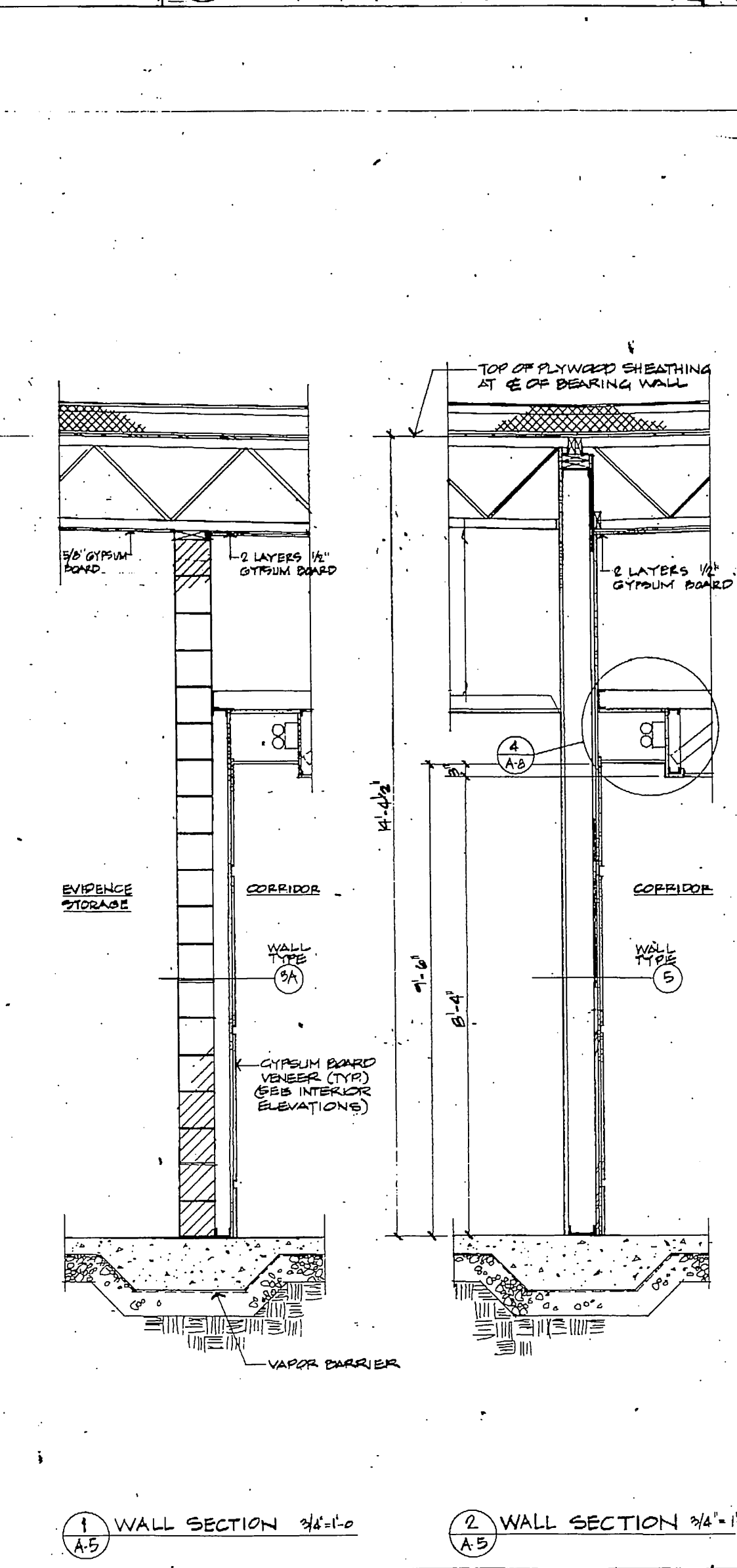
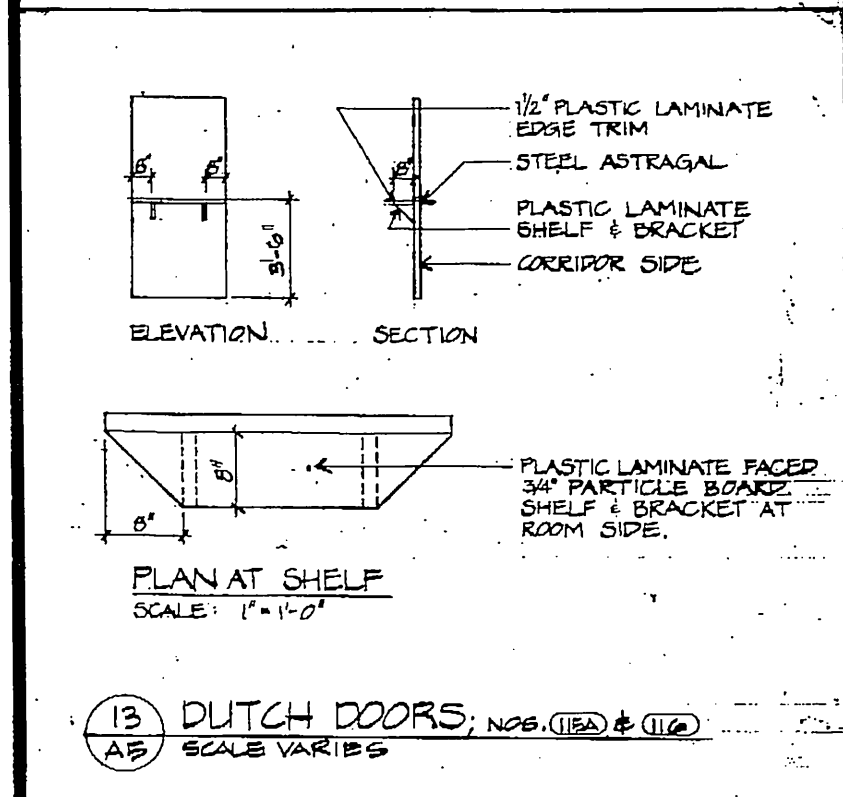
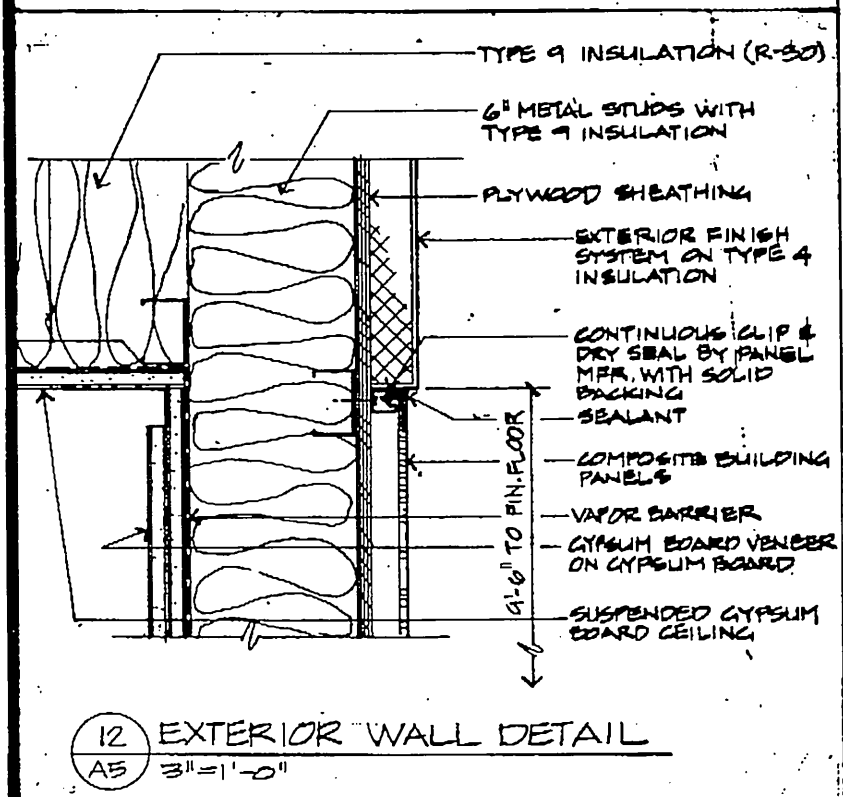
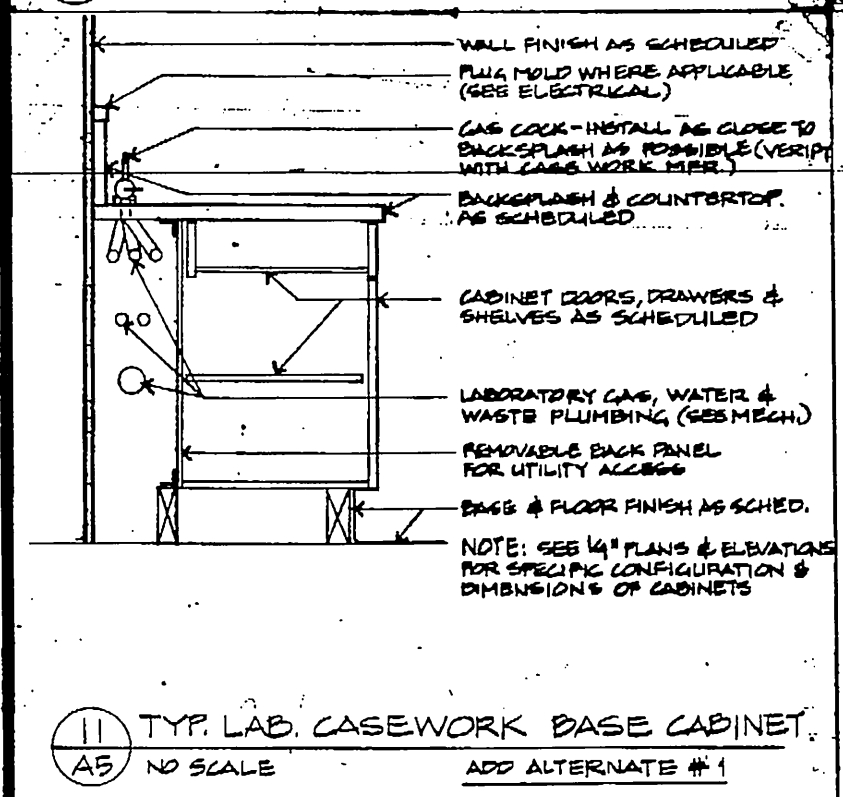
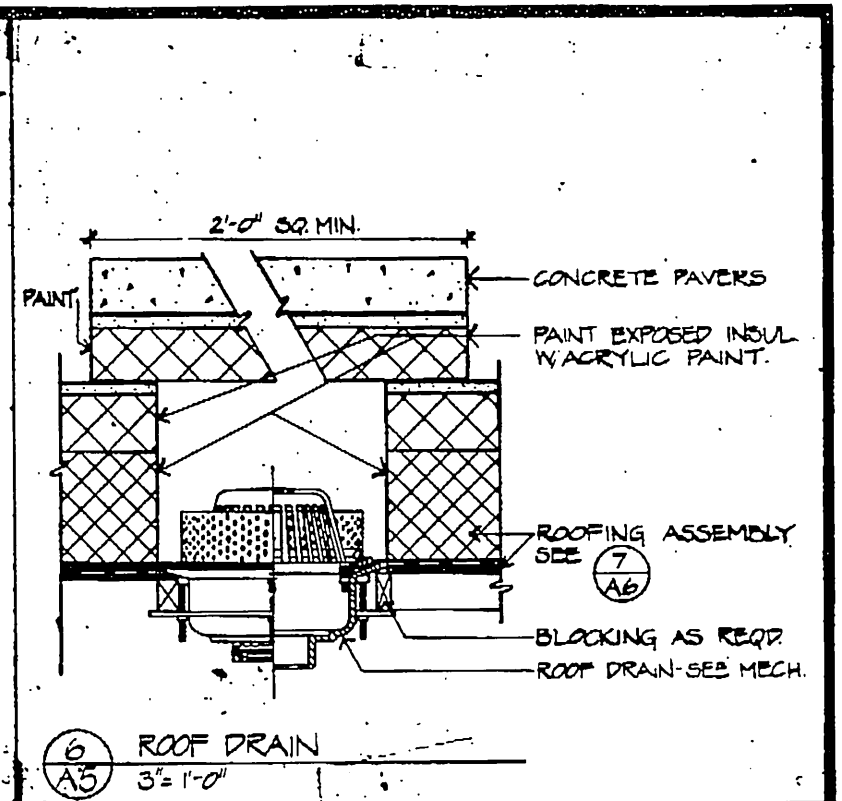
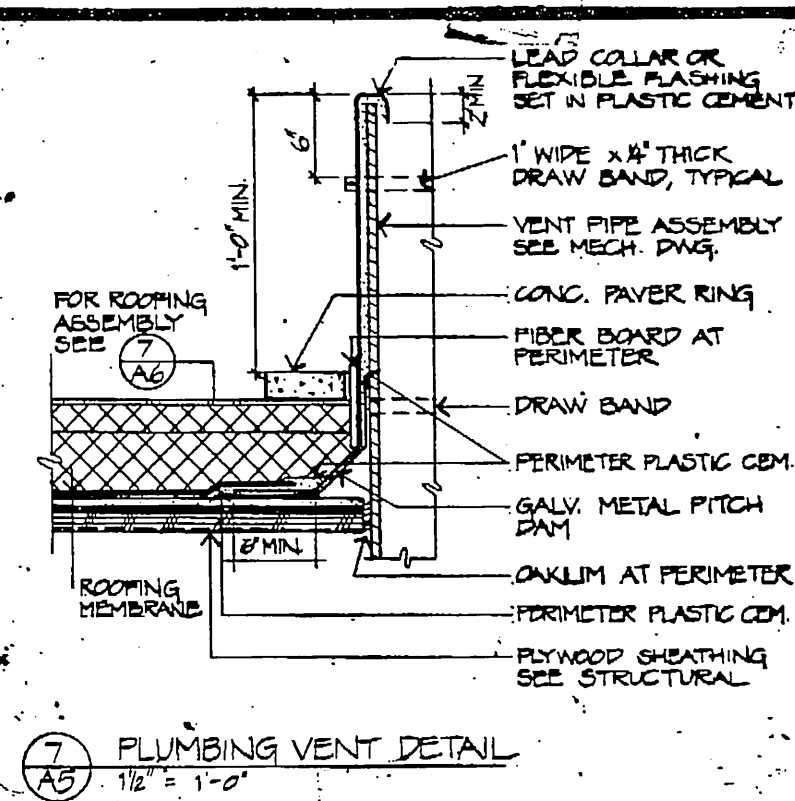
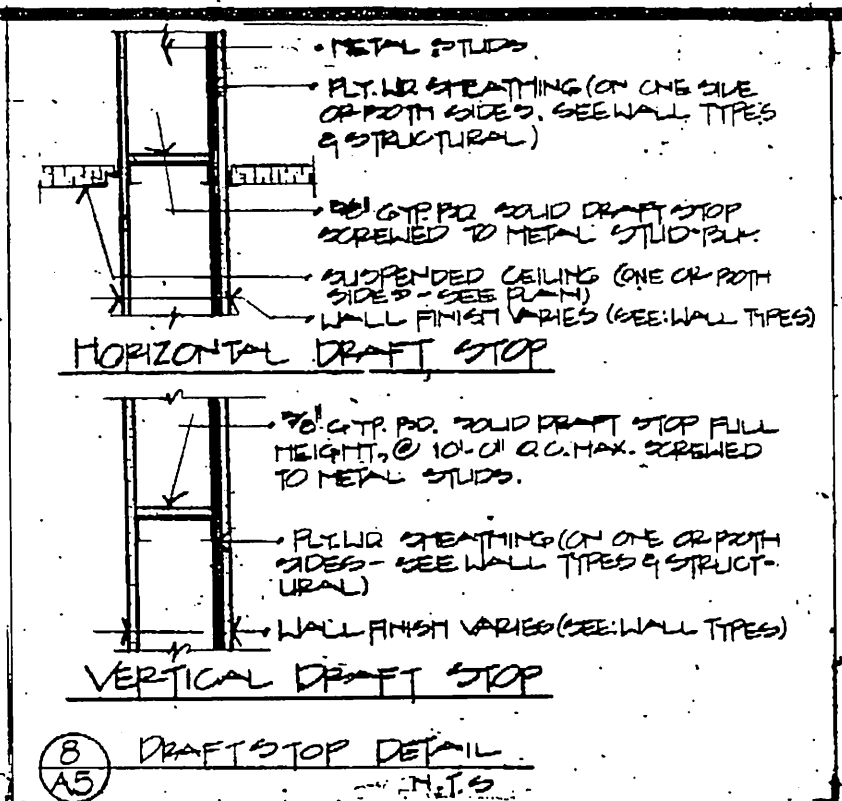
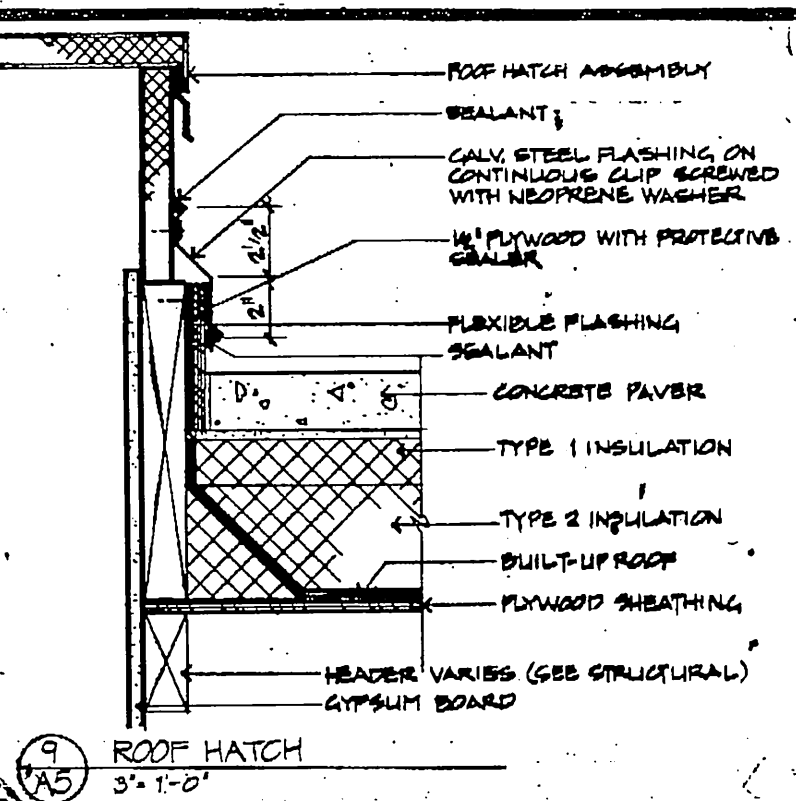
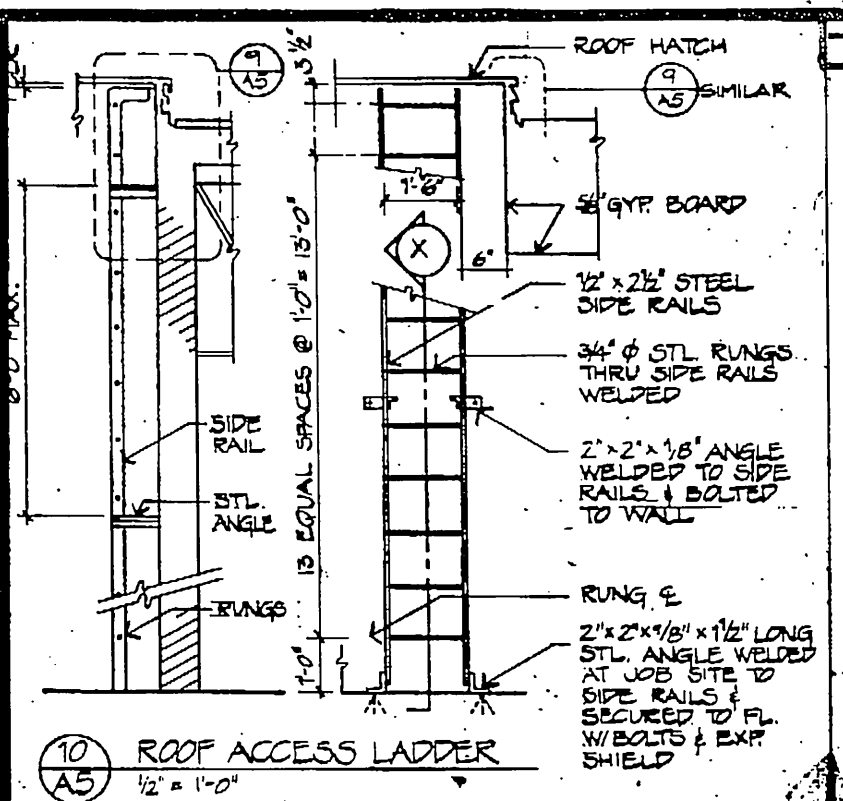
ANCHORAGE STATEWIDE
FORENSIC LABORATORY
DEPARTMENT OF CORRECTIONS
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER K-10038

BUILDING SECTIONS,
SIGNAGE AND DETAILS

JOB NO. 83-79

A-4

DATE: 10.10.92





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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 11, CENTRAL REGION
PROJECT NUMBER: A-5

WALL SECTIONS

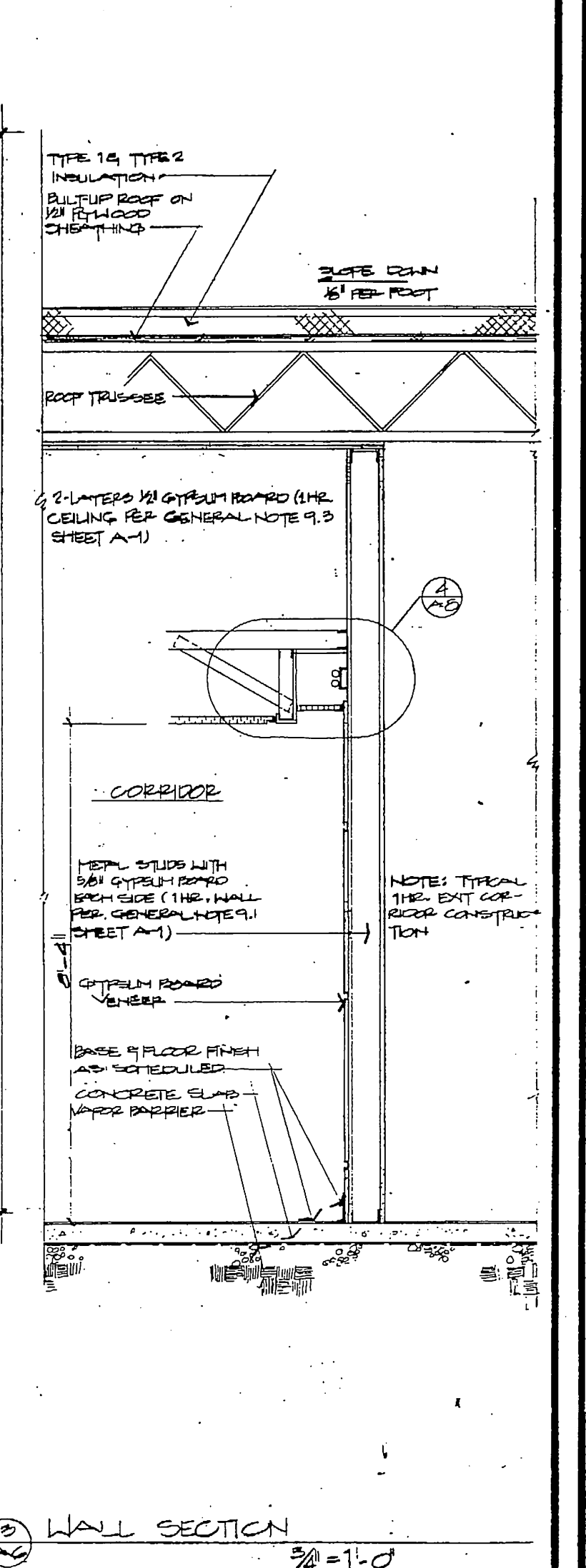
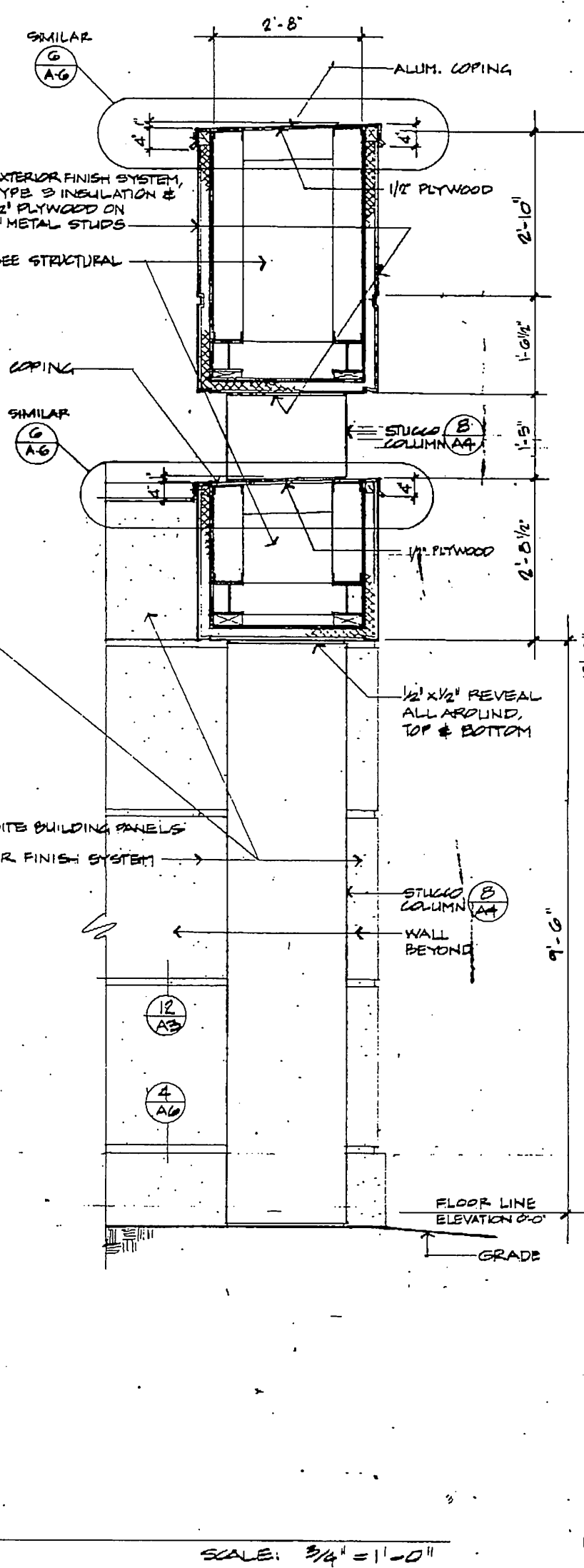
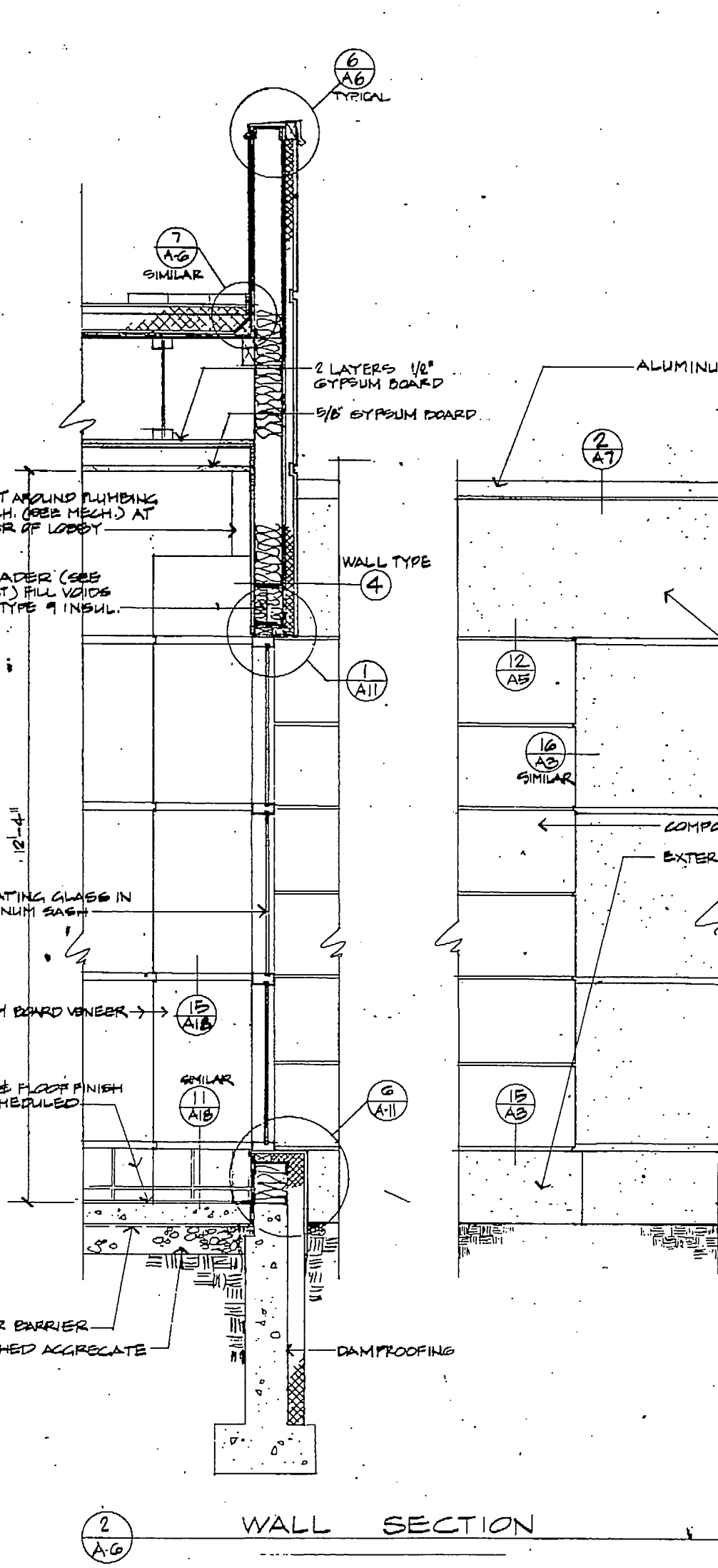
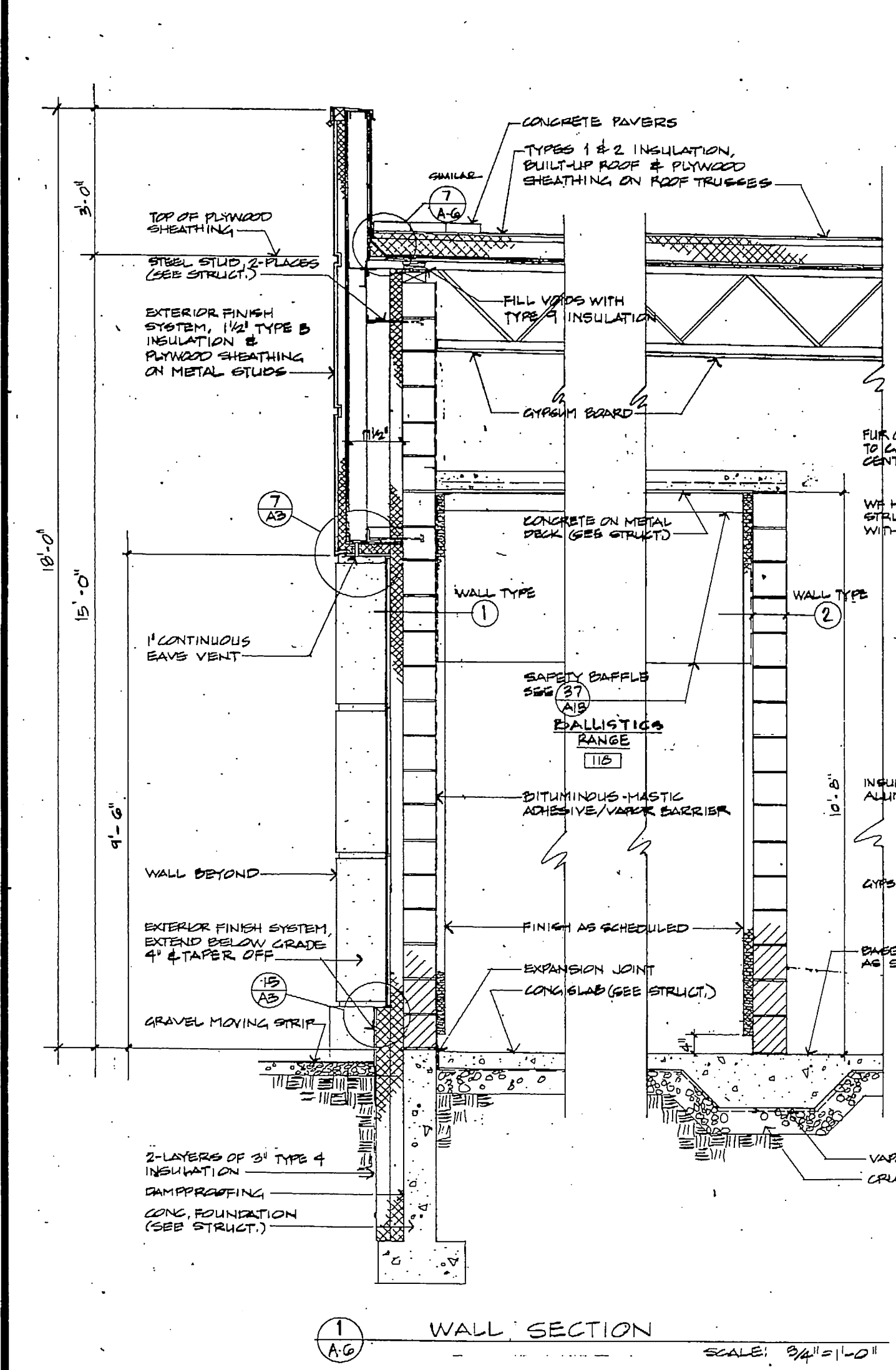
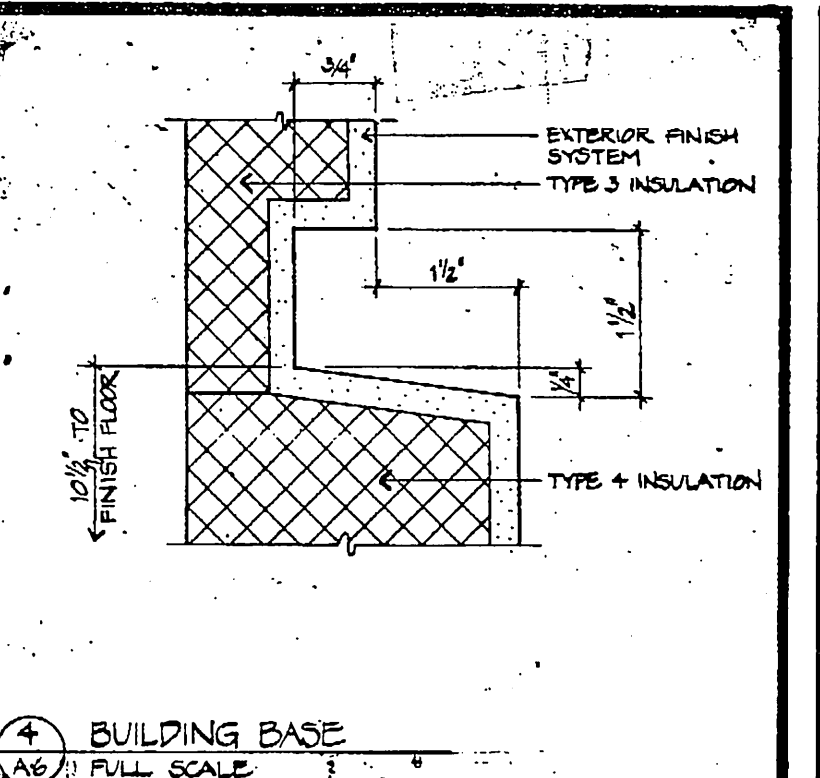
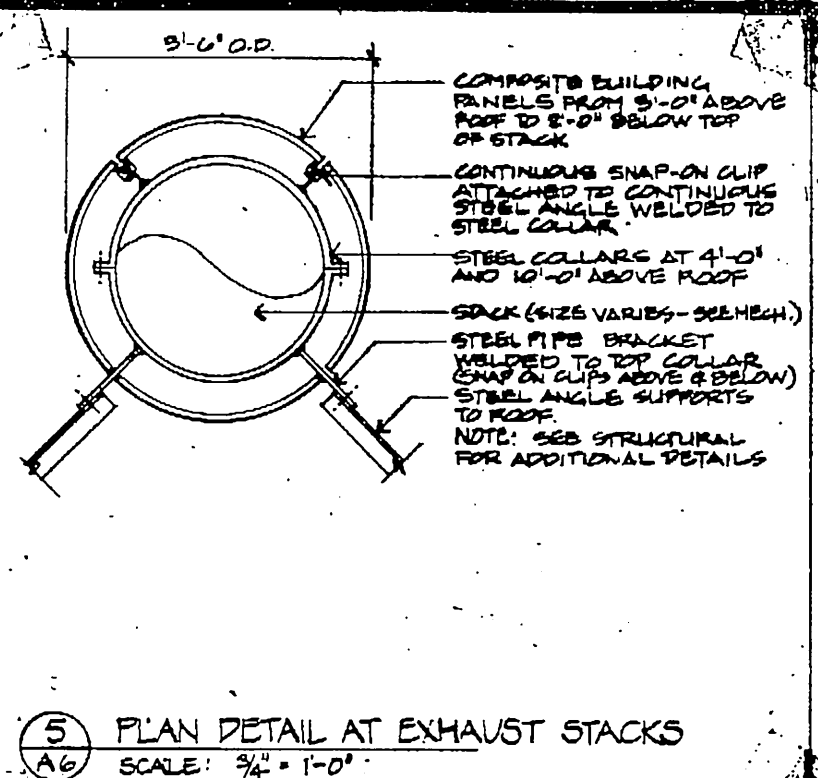
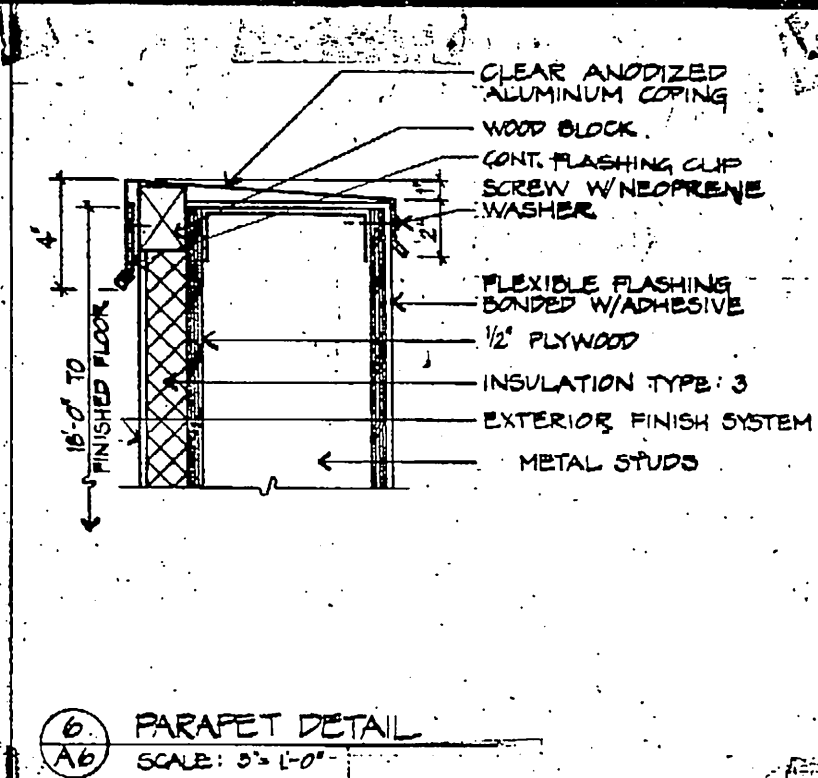
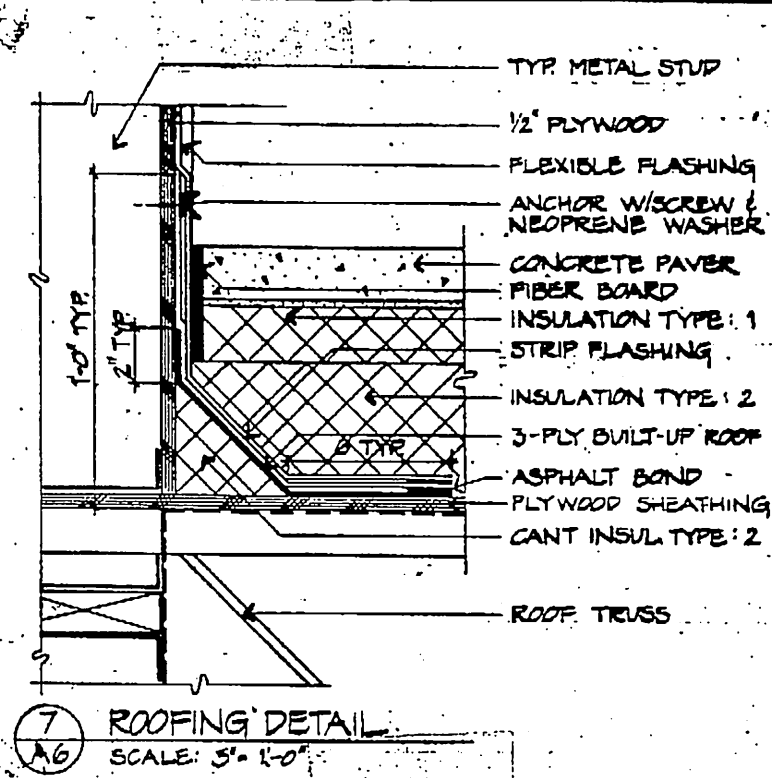
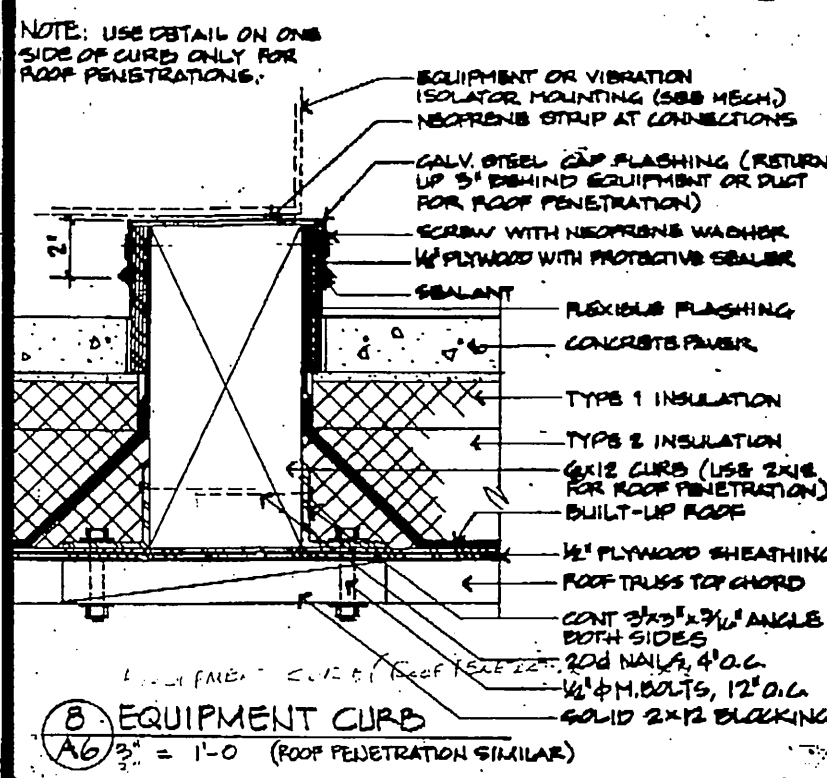
DETAILS

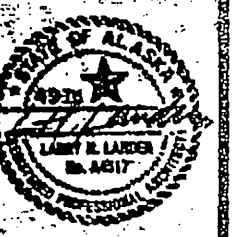
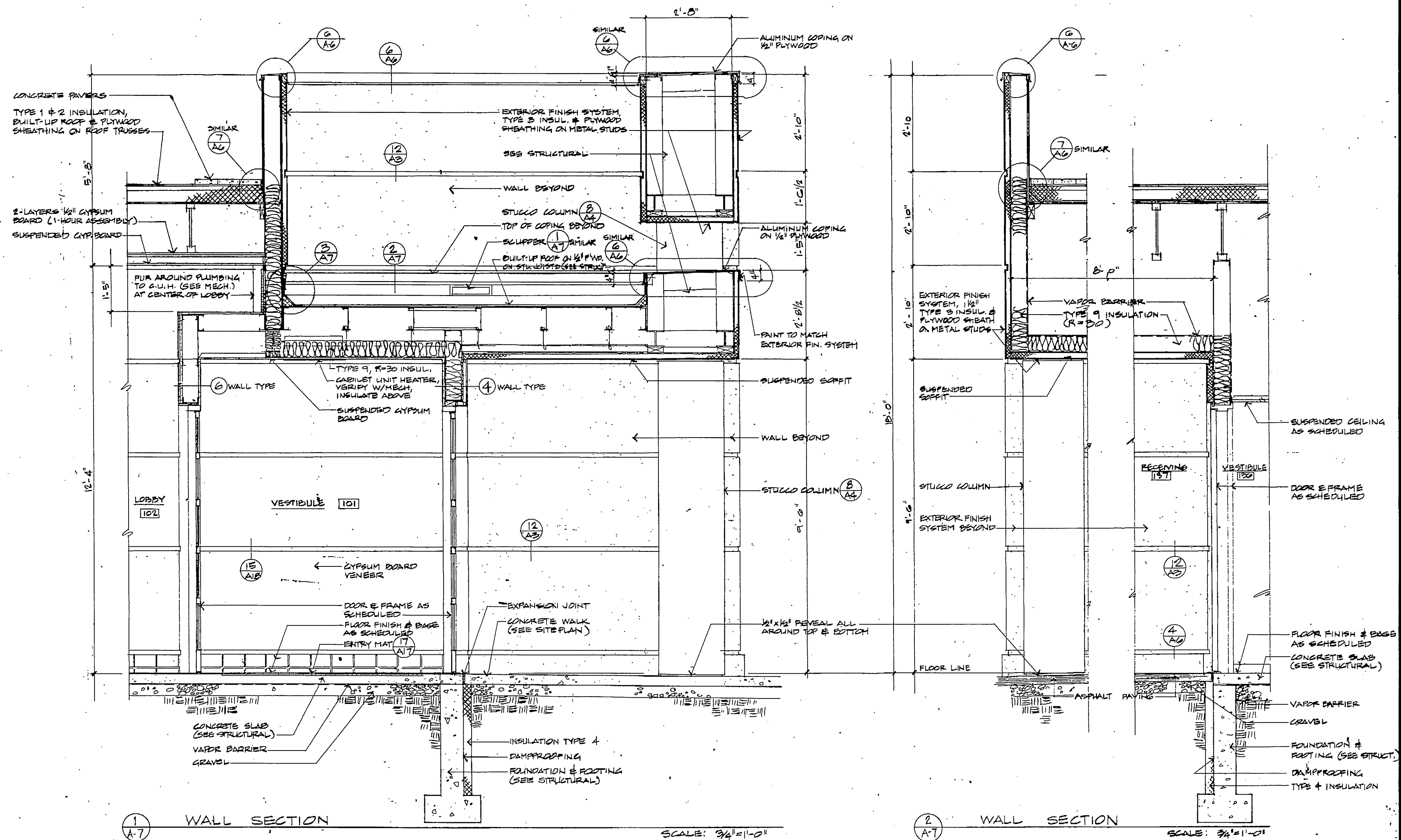
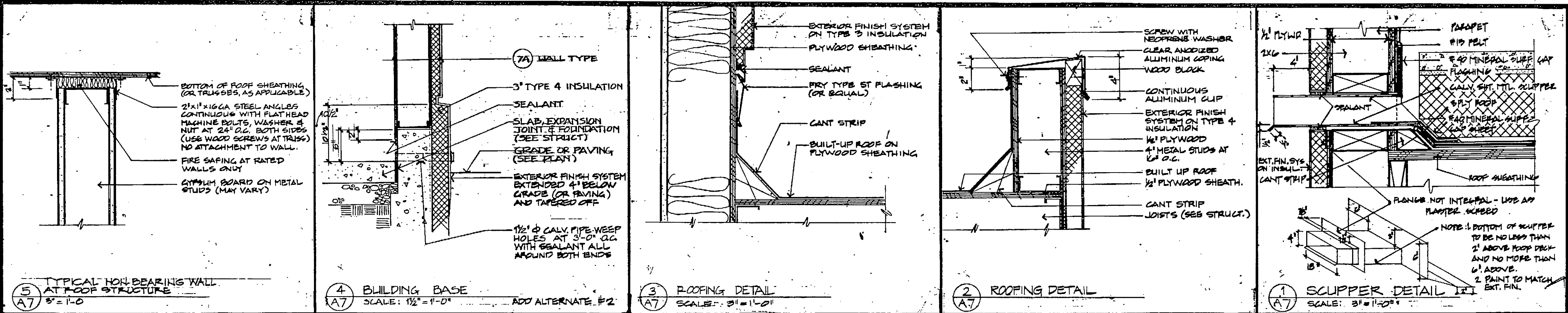
JOB NO. 23-72

A-5

OF 23

DATE: 15 JUL 75





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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 CENTRAL REGION
PROJECT NUMBER: 1000

WALL SECTIONS
DETAILS

JOB NO. 1000000000000000
A-7
DATE: 10/10/00



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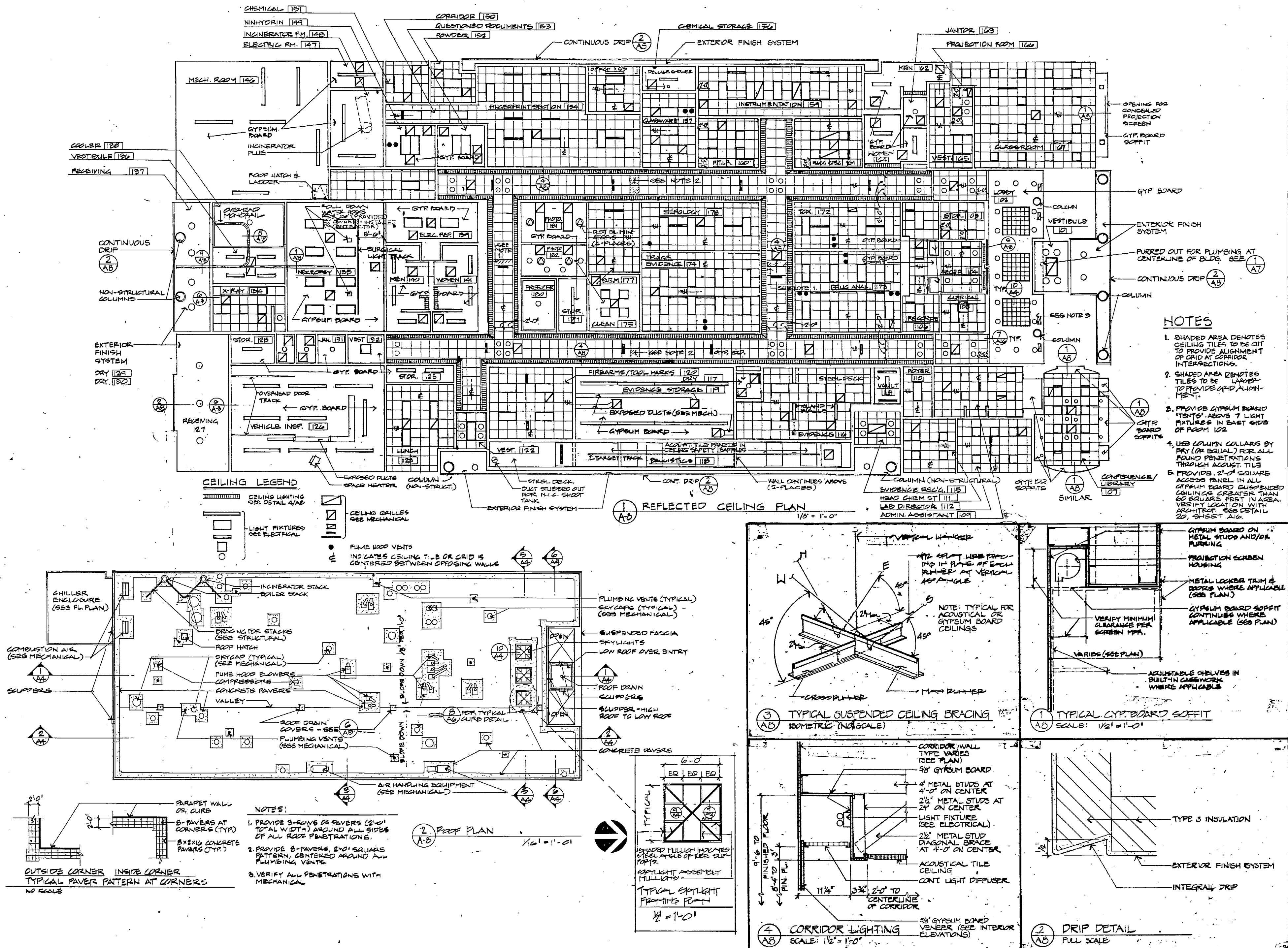
ANCHORAGE STATEWIDE
FORENSIC LABORATORY
DEPARTMENT OF TRANSPORTATION
DIVISION OF PUBLIC FACILITIES
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER XF-10029

REFLECTED CEILING PLAN
ROOF PLAN

JOB NO. XF-10029

A-8

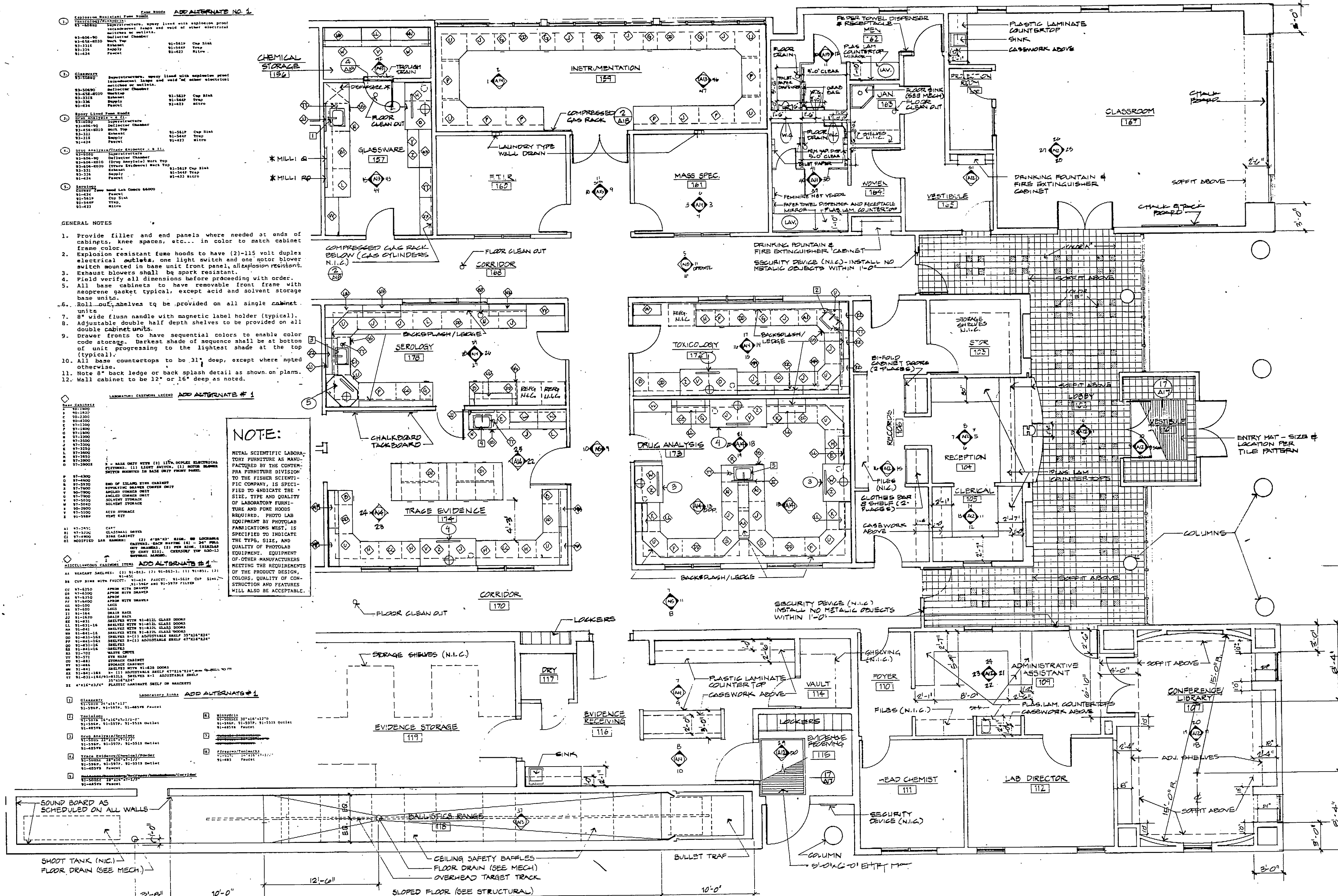
DATE: 23 JULY 88





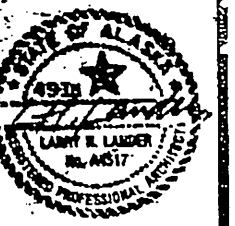
FLAON

DATE 12 JUL



SCALE: $\frac{1}{4}'' = 1'-0''$



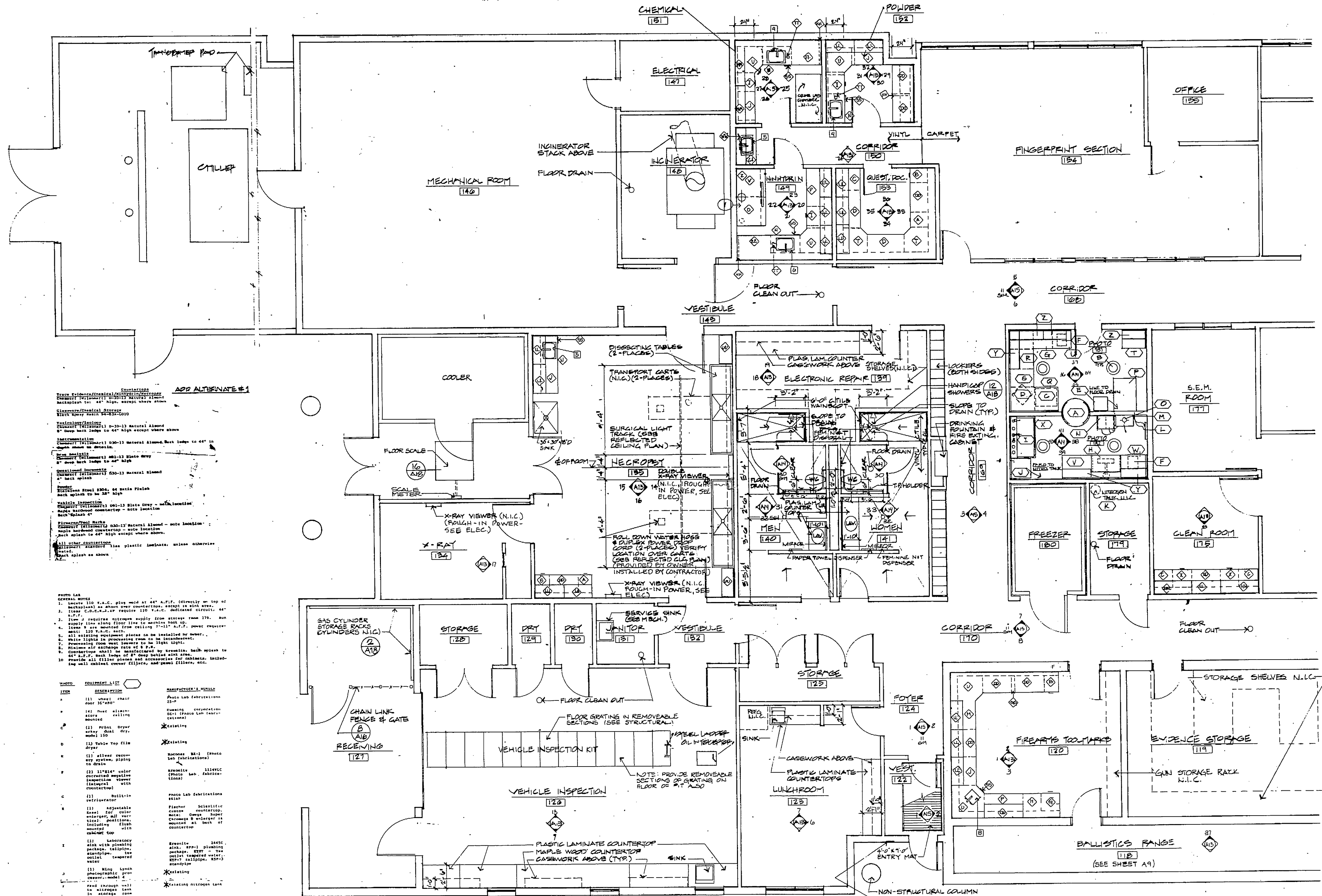


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FORENSIC LABORATORY
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN PROJECT NUMBER A-1028

1/4" SCALE FLOOR PLAN
SOUTH

JOB NO. 89-70
A-10
DATE 12.17.89



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



* ASTERISK DENOTES EXISTING EQUIPMENT
PROVIDED BY OWNER. EQUIPMENT IS PRESENTLY
LOCATED IN ALASKA STATE TROOPERS BUILDING
ADJACENT TO BUILDING SITE. CONTRACTOR SHALL
REMOVE EQUIPMENT FROM PRESENT LOCATION
* INSTALL WHERE SHOWN ON DRAWINGS.

ADD ALTERNATE #1

TRANSFORMER PAD
CHILLER
MECHANICAL ROOM 142
ELECTRICAL 147
INCINERATOR 148
FLOOR DRAIN
INCINERATOR STACK ABOVE
FLOOR CLEAN OUT
VESTIBULE 149
CORRIDOR 150
FINGERPRINT SECTION 152
OFFICE 155
CORRIDOR 160
S.E.M. ROOM 177
CLEAN ROOM 175
FREEZER 180
STORAGE 179
FLOOR DRAIN
FLOOR CLEAN OUT
CORRIDOR 170
FOYER 124
VEST. 122
ENTRY MAT
NON-STRUCTURAL COLUMN
SECURITY DEVICE (N.I.C.)
INSTALL NO METALLIC
CLIMBERS WITHIN 1'-0"

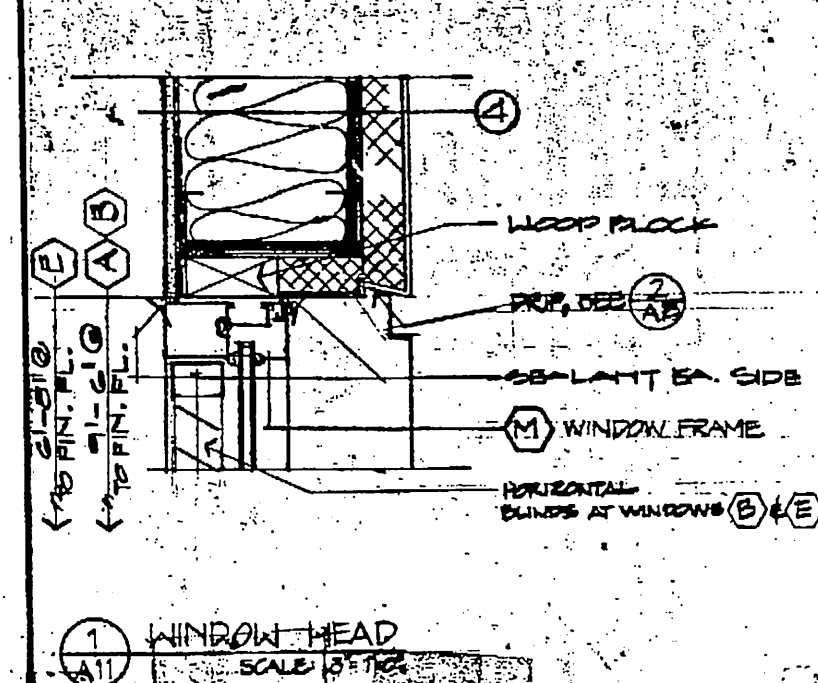
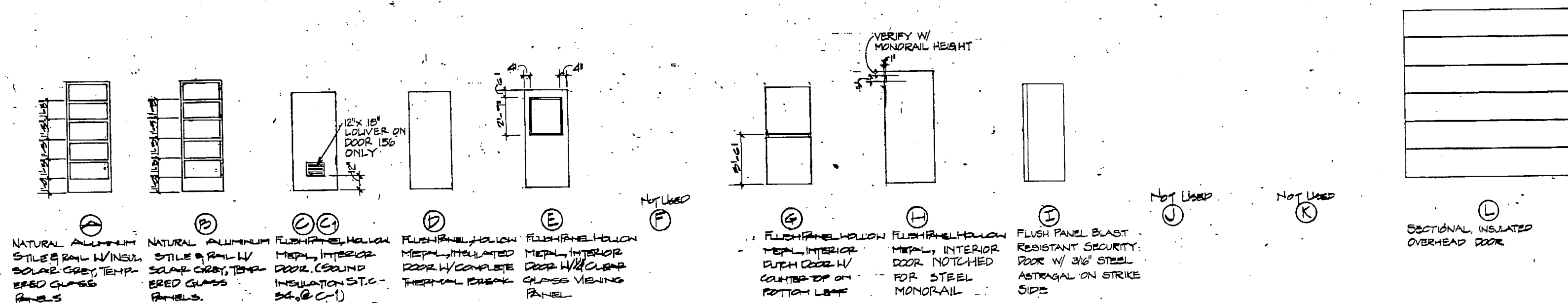
GENERAL NOTES

1. Locate 120 A.C. plug weld at 44" A.F.T. (directly on top of mechanical) as shown over counter, except in sink area.
2. Locate 120 A.C. plug weld at 44" A.F.T. (directly on top of mechanical) as shown over counter, except in sink area.
3. Locate 120 A.C. plug weld at 44" A.F.T. (directly on top of mechanical) as shown over counter, except in sink area.
4. Locate 120 A.C. plug weld at 44" A.F.T. (directly on top of mechanical) as shown over counter, except in sink area.
5. Locate 120 A.C. plug weld at 44" A.F.T. (directly on top of mechanical) as shown over counter, except in sink area.
6. Locate 120 A.C. plug weld at 44" A.F.T. (directly on top of mechanical) as shown over counter, except in sink area.
7. Locate 120 A.C. plug weld at 44" A.F.T. (directly on top of mechanical) as shown over counter, except in sink area.
8. Locate 120 A.C. plug weld at 44" A.F.T. (directly on top of mechanical) as shown over counter, except in sink area.
9. Locate 120 A.C. plug weld at 44" A.F.T. (directly on top of mechanical) as shown over counter, except in sink area.
10. Locate 120 A.C. plug weld at 44" A.F.T. (directly on top of mechanical) as shown over counter, except in sink area.

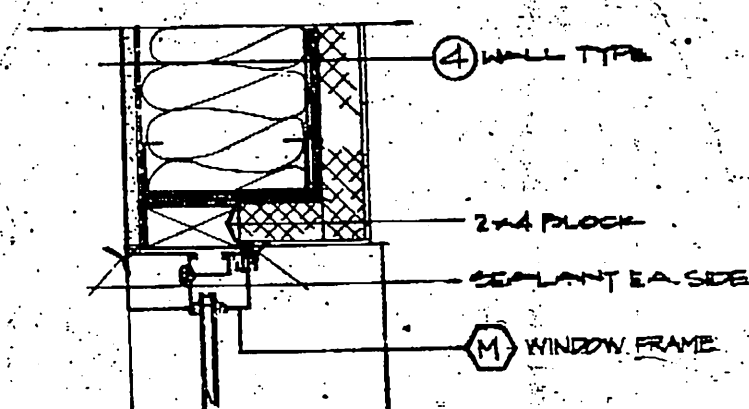
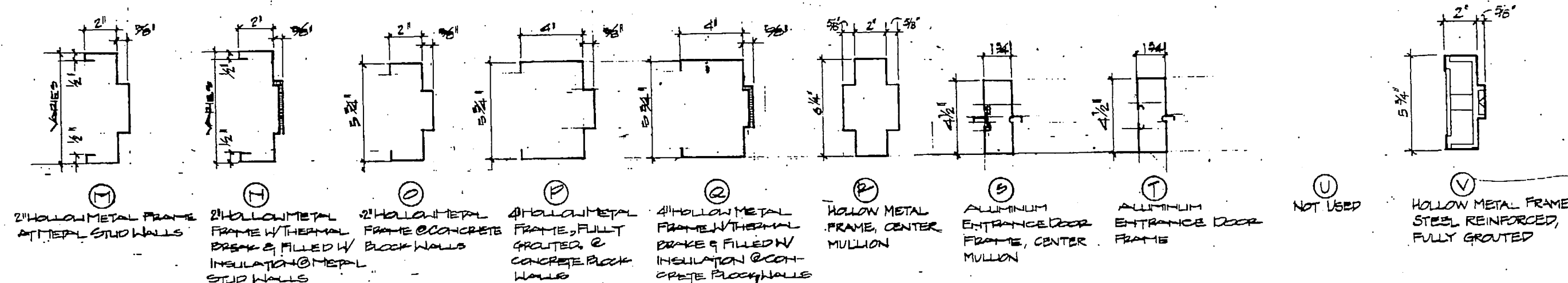
EQUIPMENT LIST

ITEM	DESCRIPTION	MANUFACTURER'S MODEL
1	Wheel chair door 36"x60"	Photo Lab fabrication 125"
2	Photo Lab fabrication 125"	Photo Lab fabrication 125"
3	Photo Lab fabrication 125"	Photo Lab fabrication 125"
4	Photo Lab fabrication 125"	Photo Lab fabrication 125"
5	Photo Lab fabrication 125"	Photo Lab fabrication 125"
6	Photo Lab fabrication 125"	Photo Lab fabrication 125"
7	Photo Lab fabrication 125"	Photo Lab fabrication 125"
8	Photo Lab fabrication 125"	Photo Lab fabrication 125"
9	Photo Lab fabrication 125"	Photo Lab fabrication 125"
10	Photo Lab fabrication 125"	Photo Lab fabrication 125"

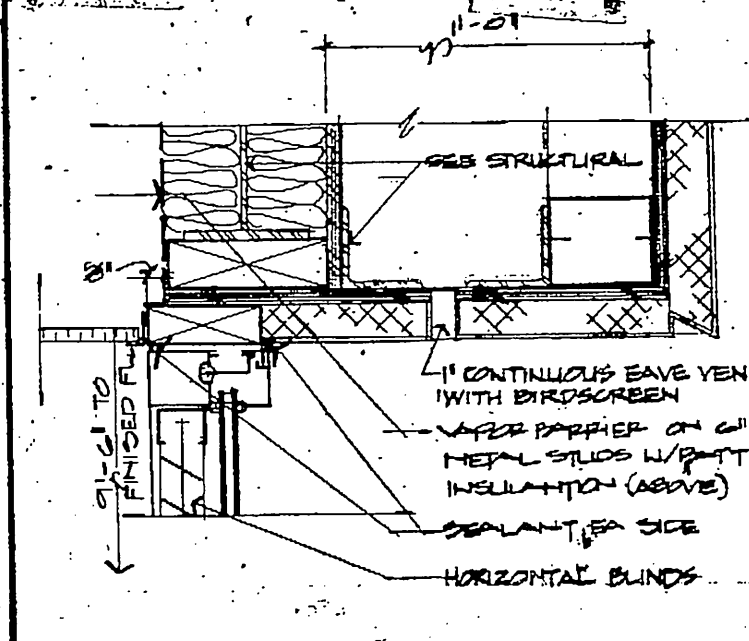
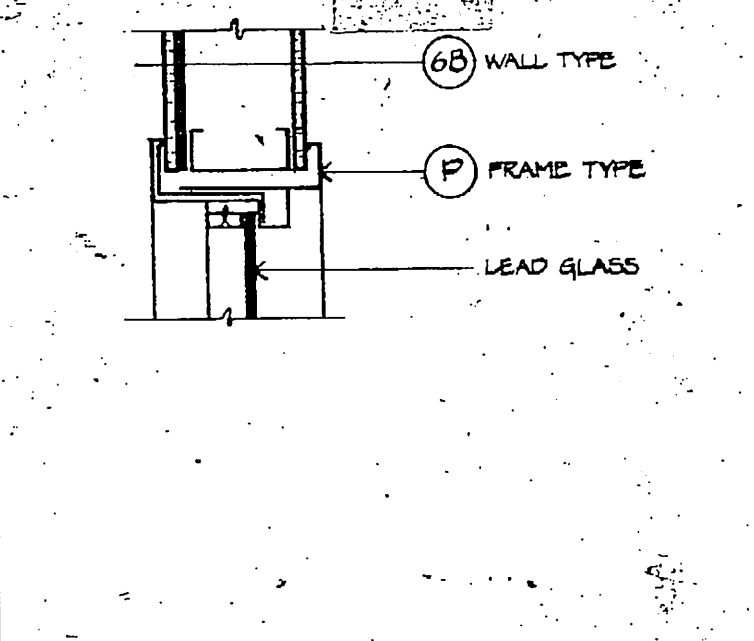
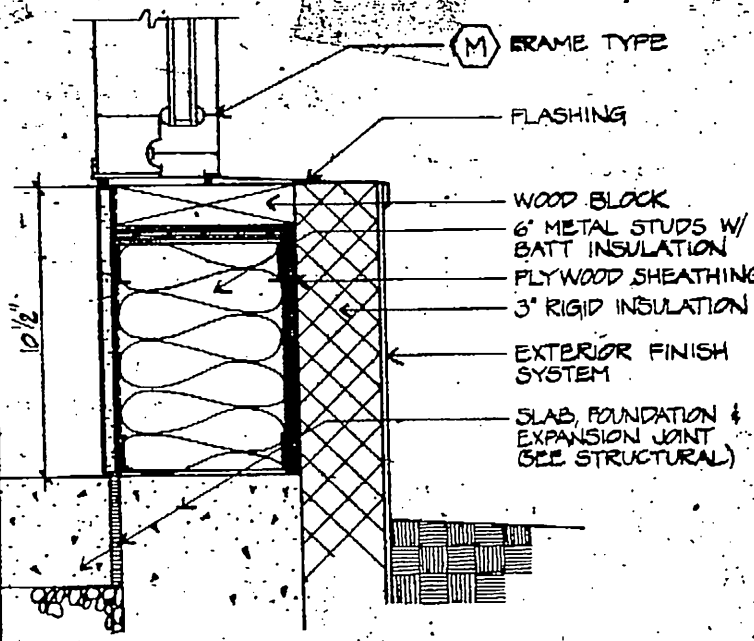
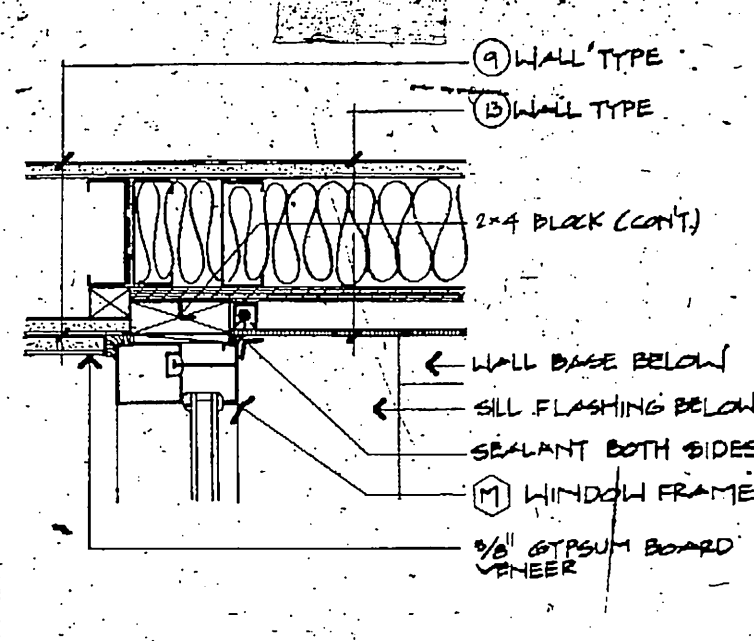
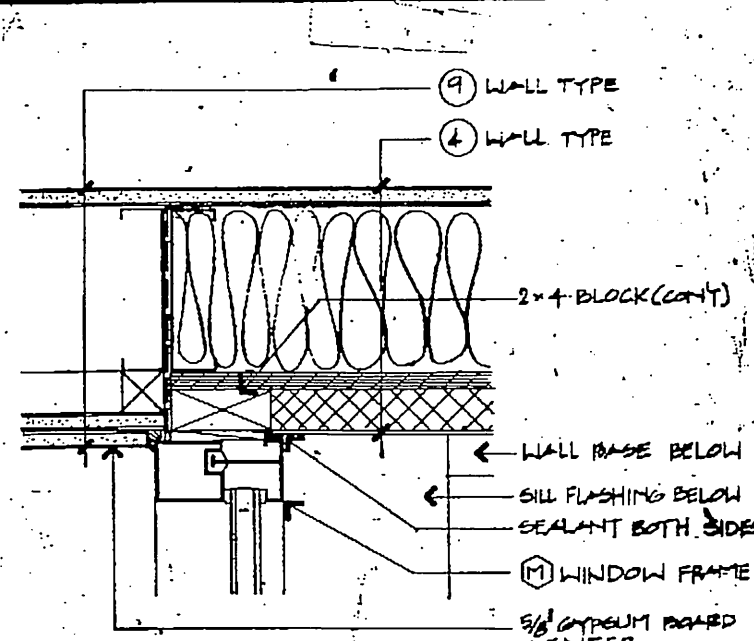
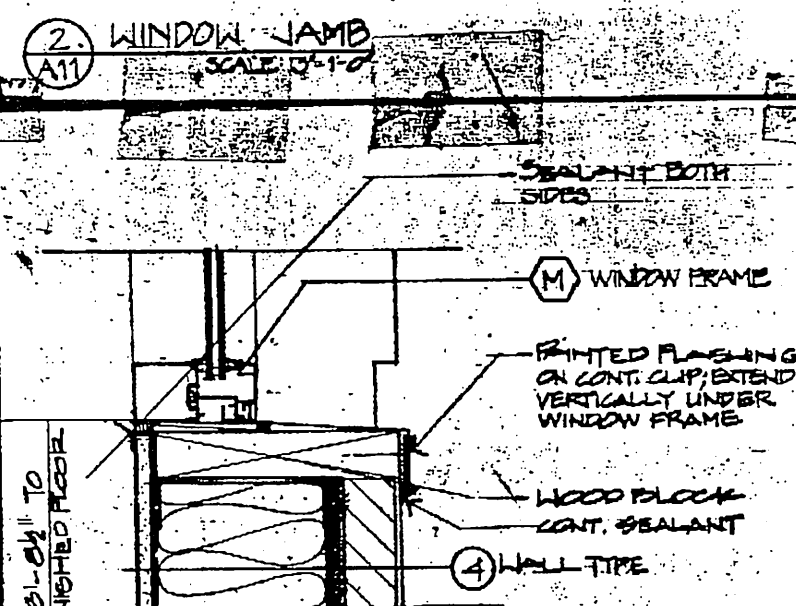
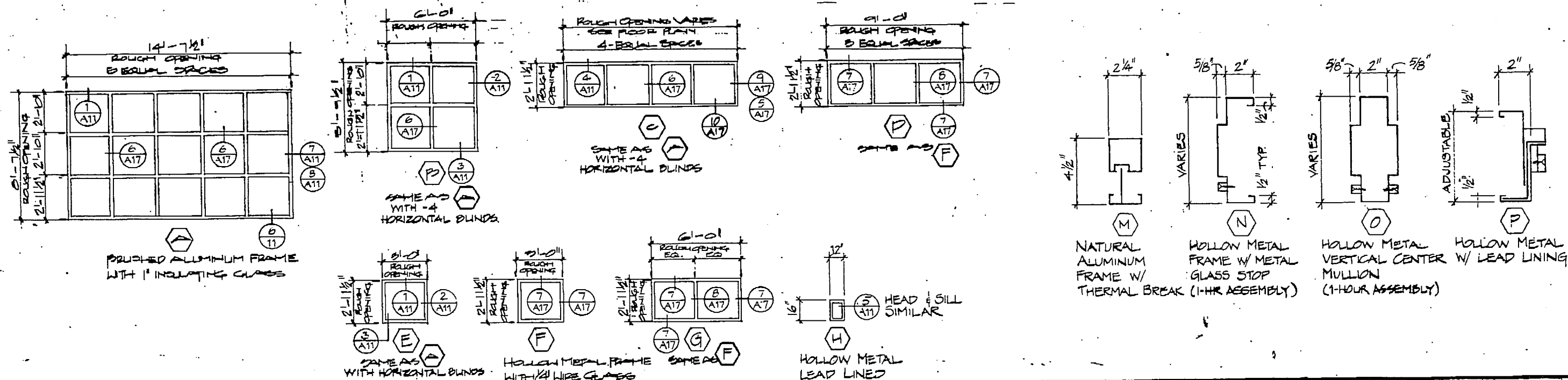
DOOR TYPES



DOOR FRAME TYPES



WINDOW TYPES AND FRAMES



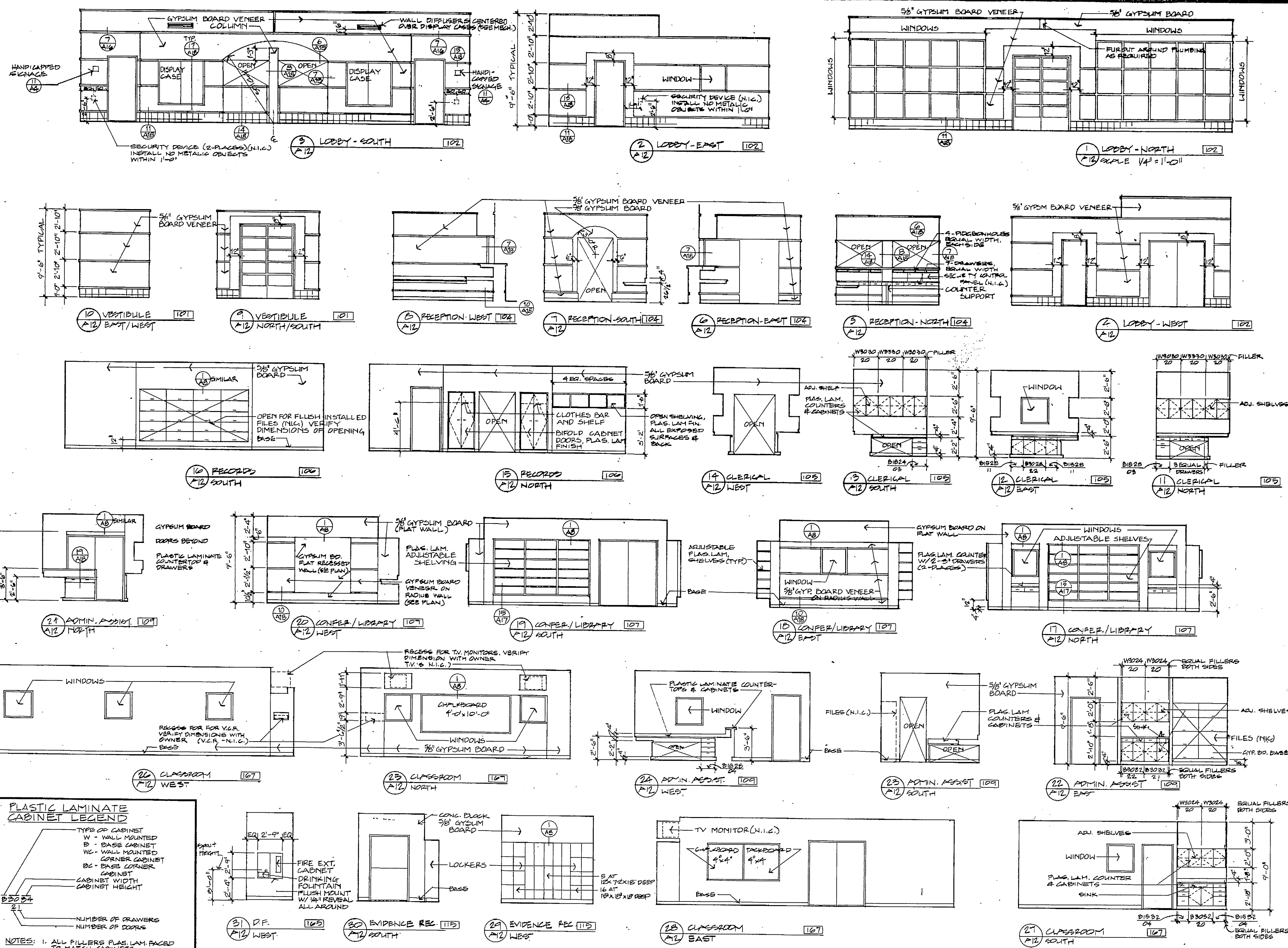


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ANCHORAGE STATEWIDE
FORENSIC LABORATORY
DEPARTMENT OF PUBLIC SAFETY
ANCHORAGE
DESIGN OF DESIGN AND CONSTRUCTION
PROJECT NUMBER: 1-10231

INTERIOR ELEVATIONS

JOB NO. 23-12
A-12
DATE: 12 JUL 03



PLASTIC LAMINATE CABINET LEGEND

TYPE OF CABINET
W - WALL MOUNTED
B - BASE CABINET
WC - WALL MOUNTED CORNER CABINET
BC - BASE CORNER CABINET
CABINET WIDTH
CABINET HEIGHT
NUMBER OF DRAWERS
NUMBER OF DOORS

NOTES:

1. ALL FILLERS PLAS. LAM. FACED TO MATCH CABINETS.
2. ABOVE LEGEND NOT APPLICABLE TO LABORATORY CASEWORK.
3. CABINET HEIGHTS ARE FROM FINISHED FLOOR TO BOTTOM OF COUNTERTOPS.
4. FRONT EDGE OF COUNTERTOPS SHALL BE 2".

ALL ELEVATIONS: 1/4" = 1'-0"

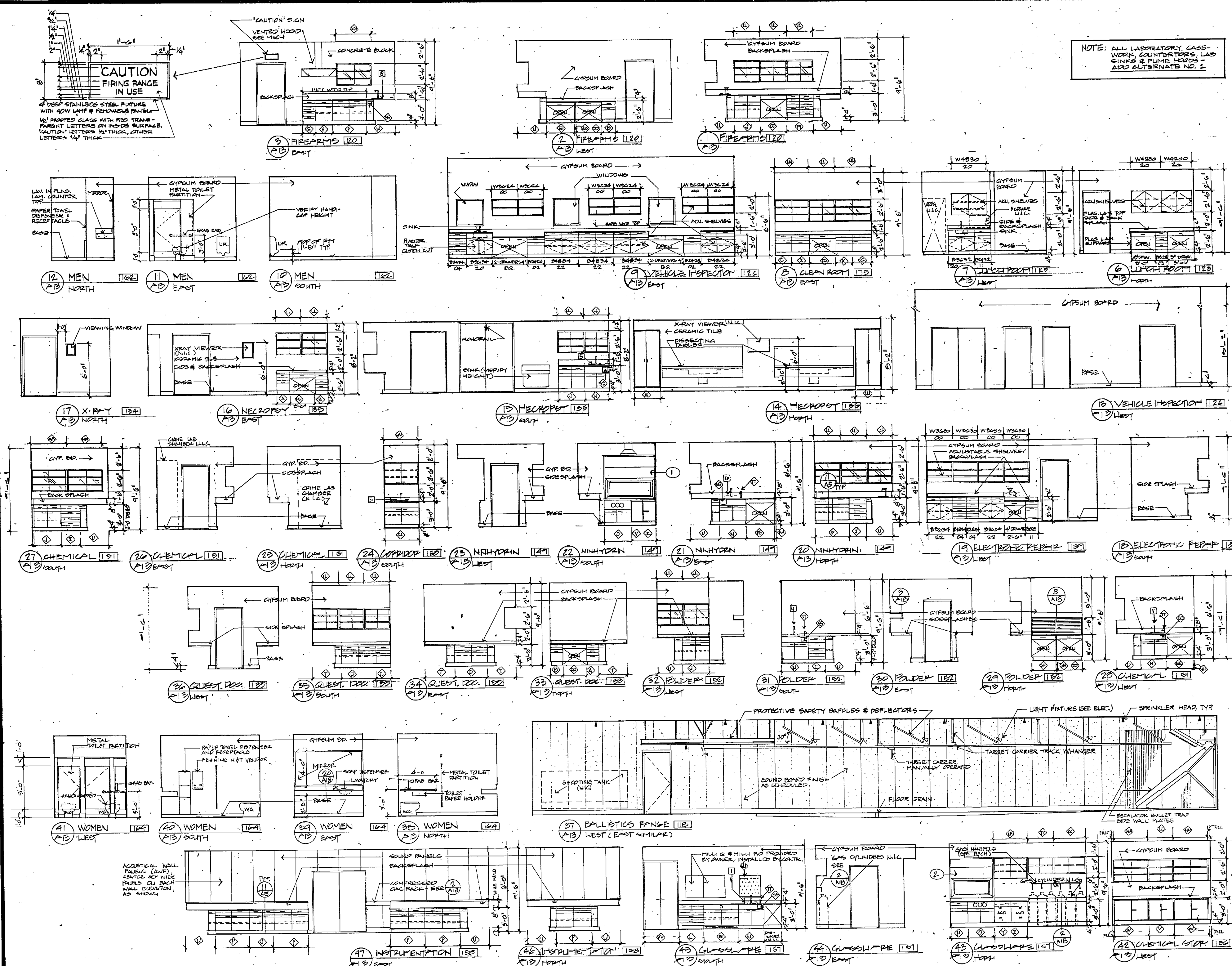


1/4 SCALE

JOB NO. 22

A-13

DATE 13 JULY 68



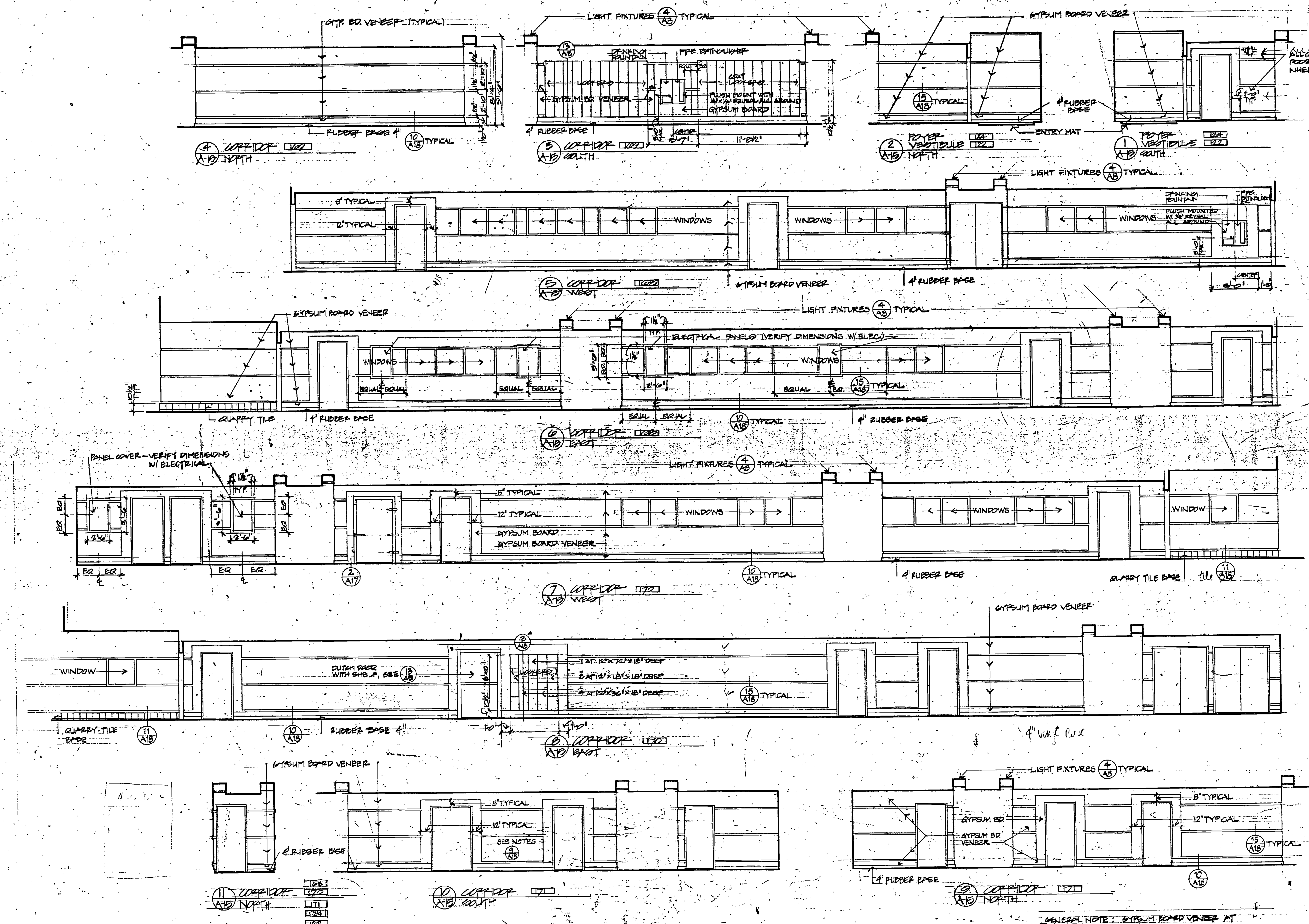


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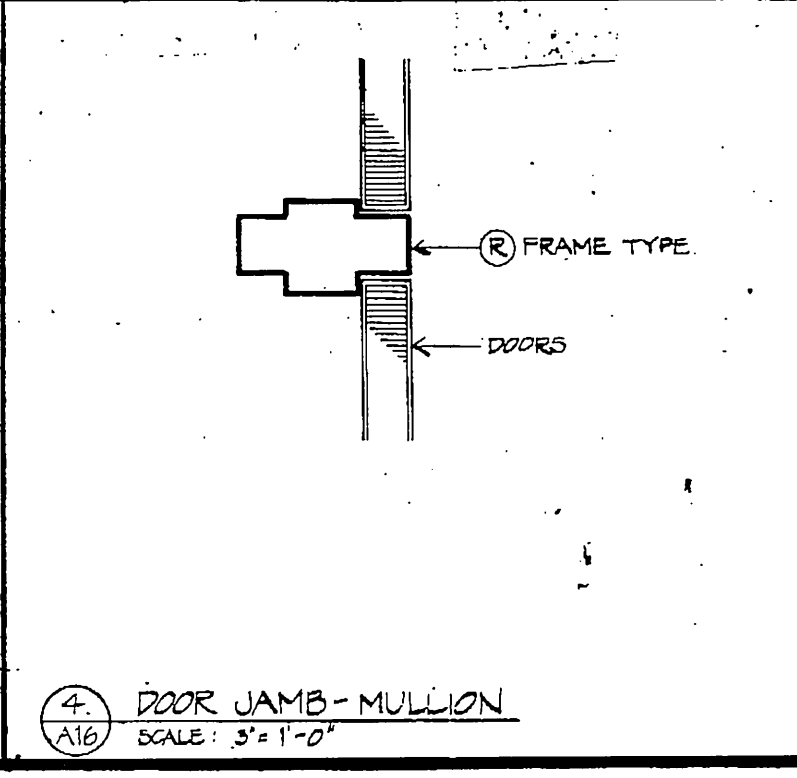
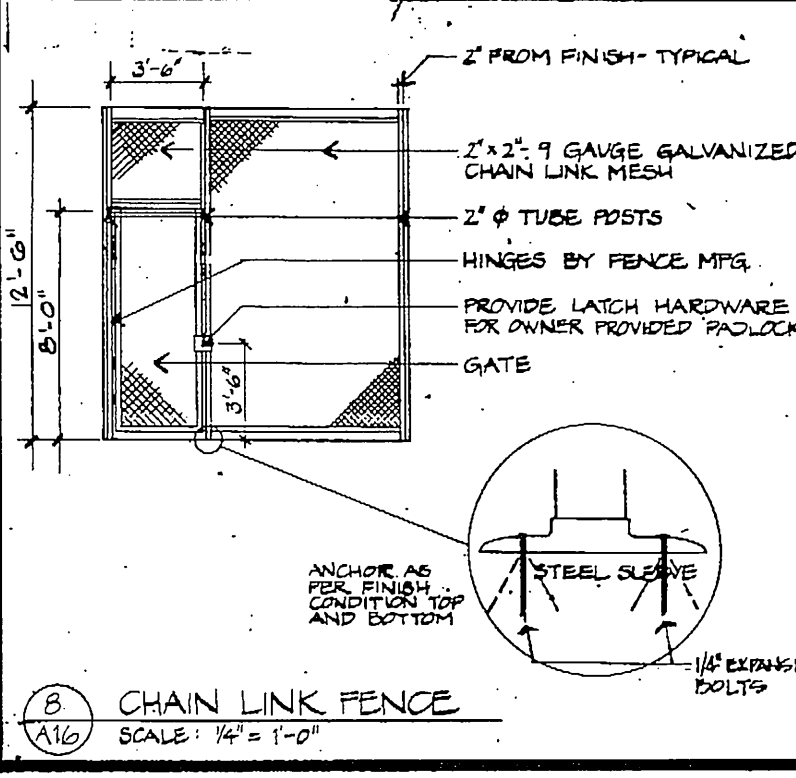
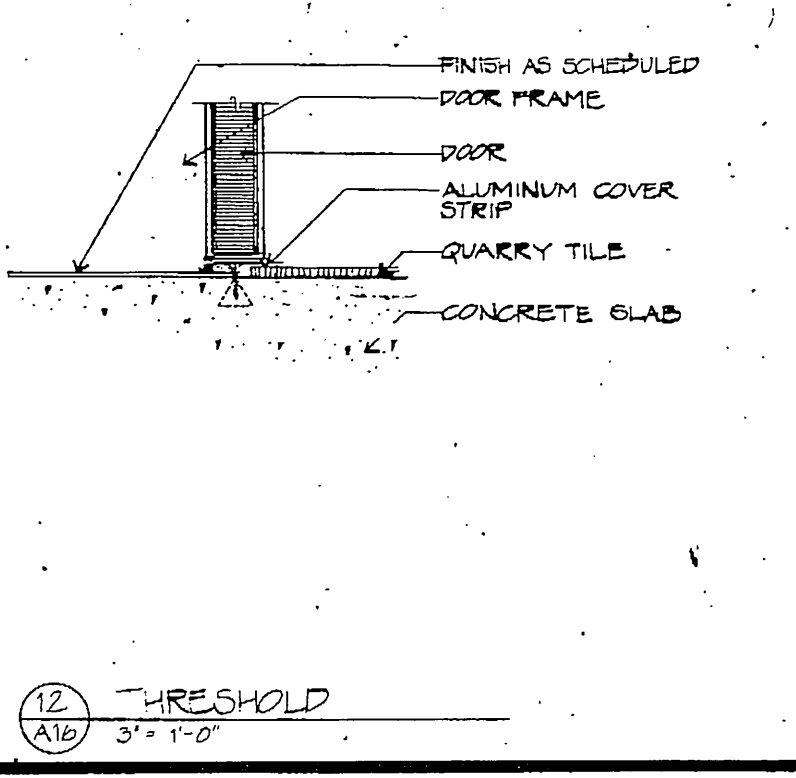
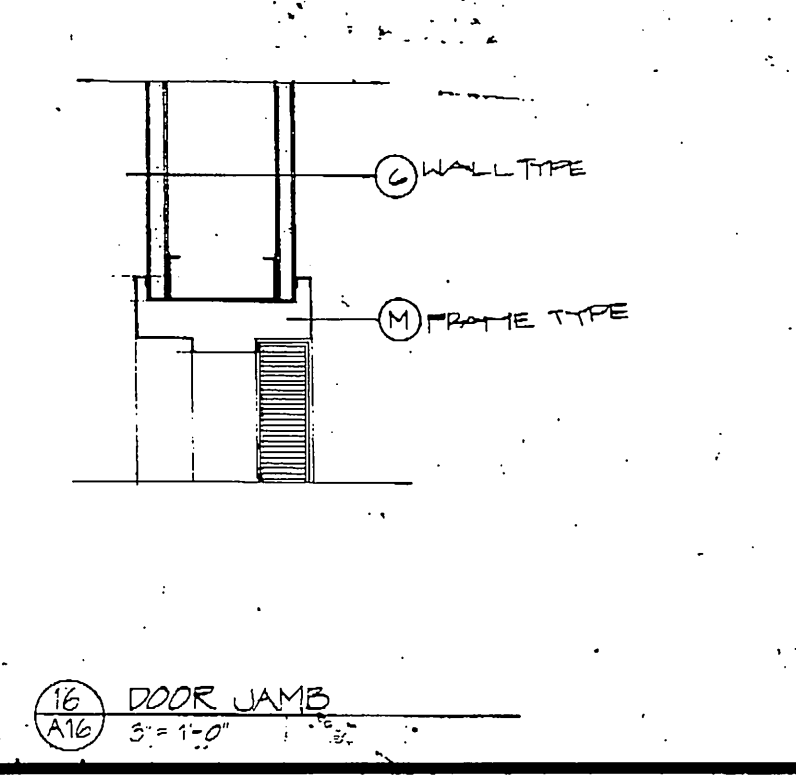
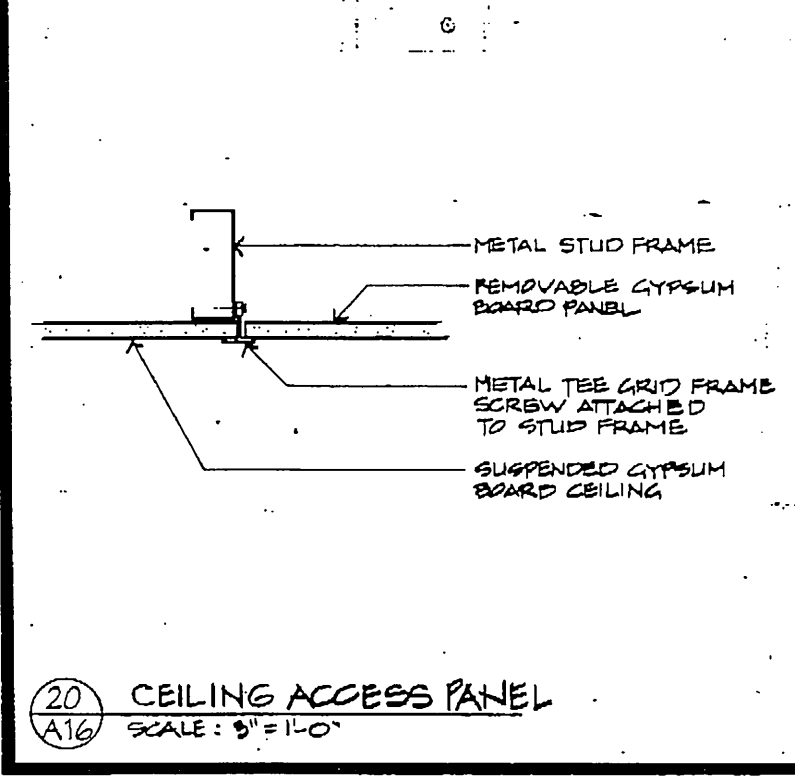
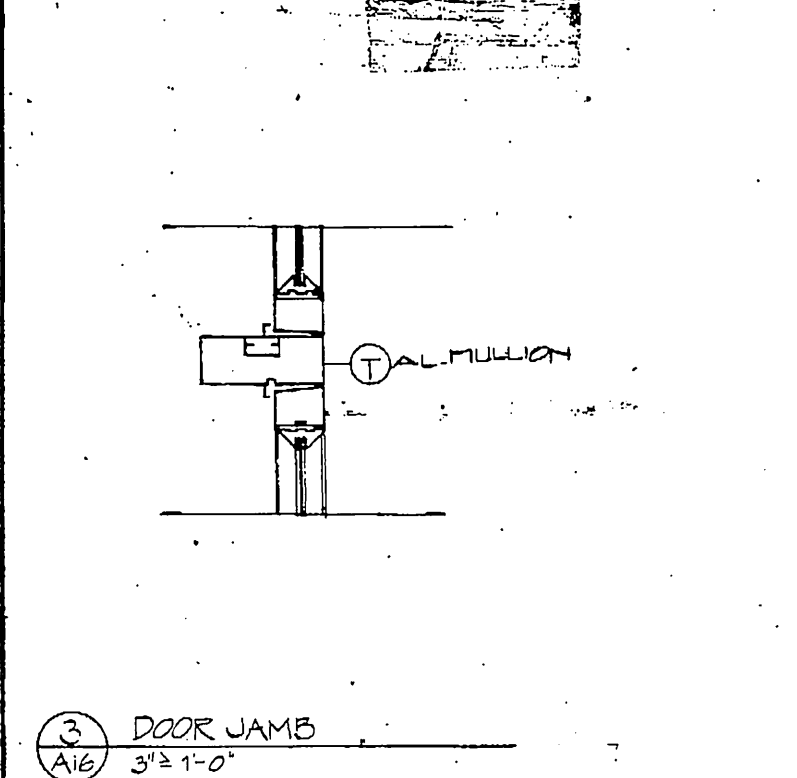
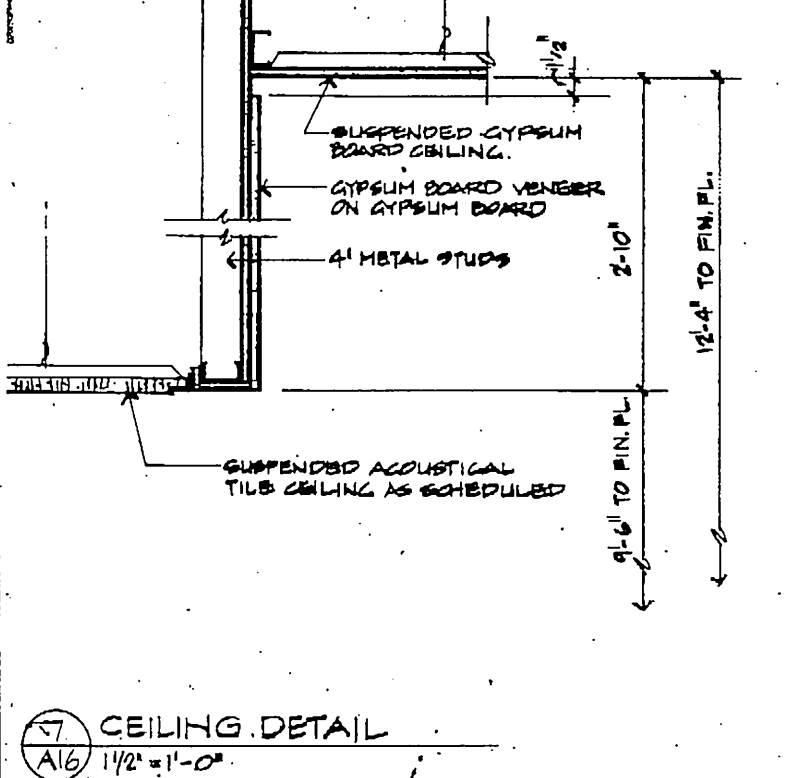
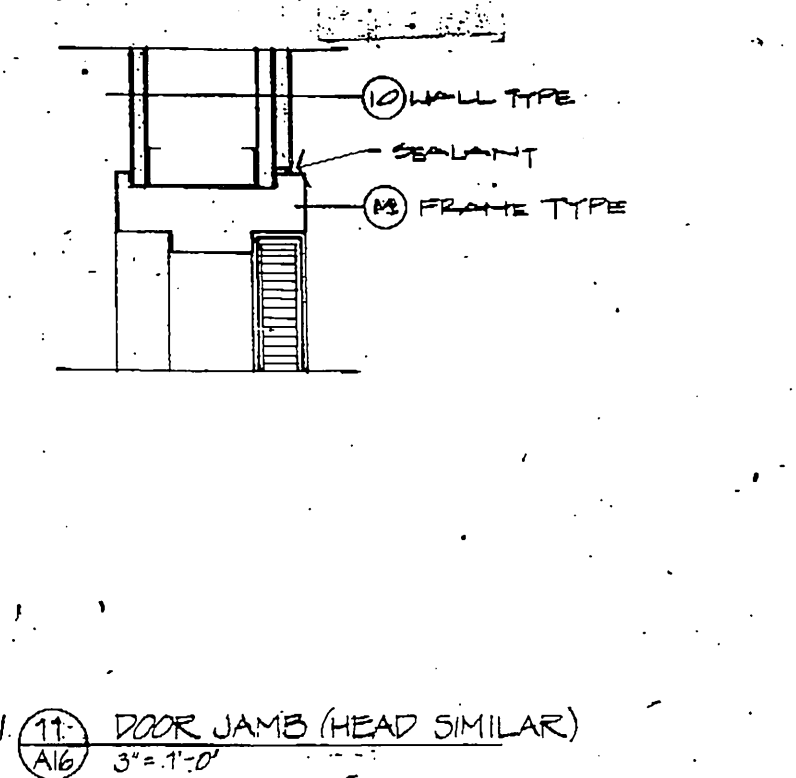
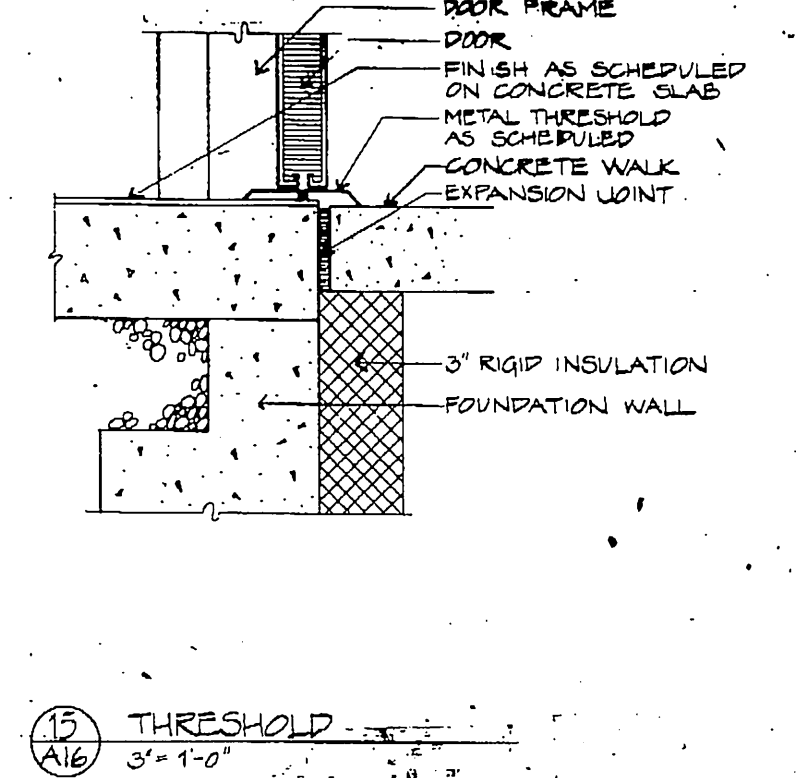
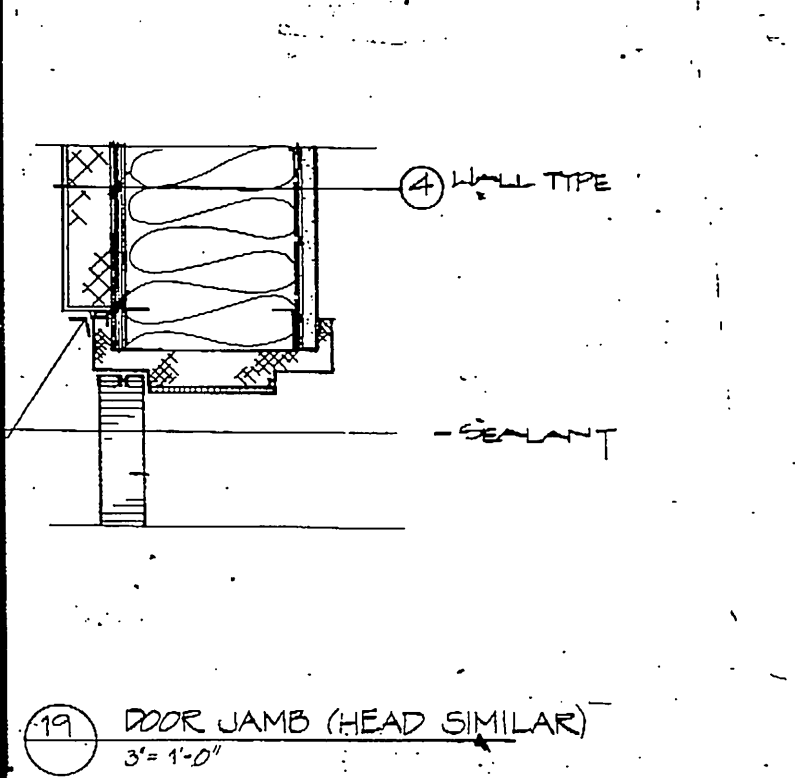
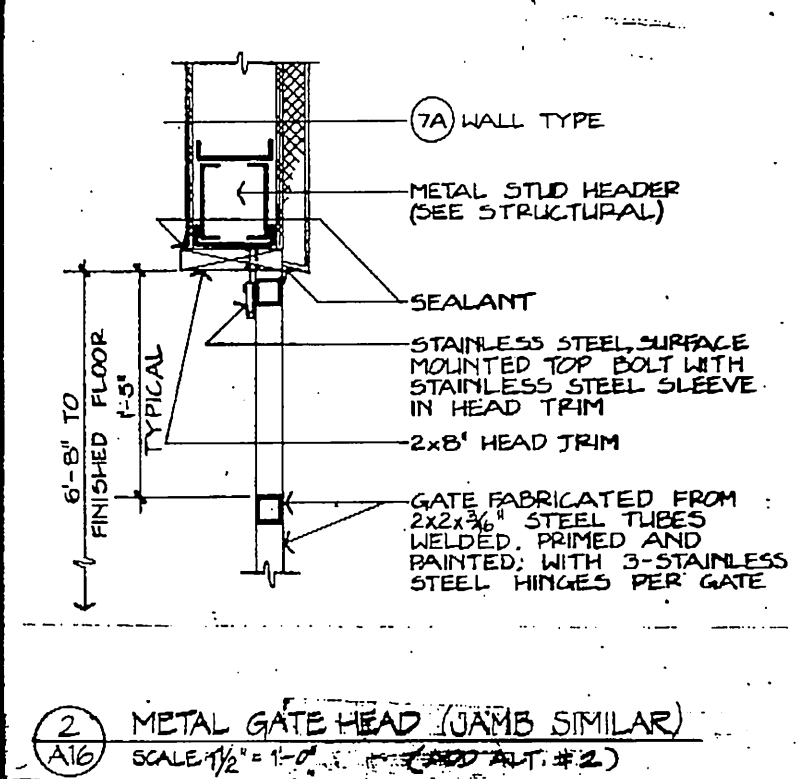
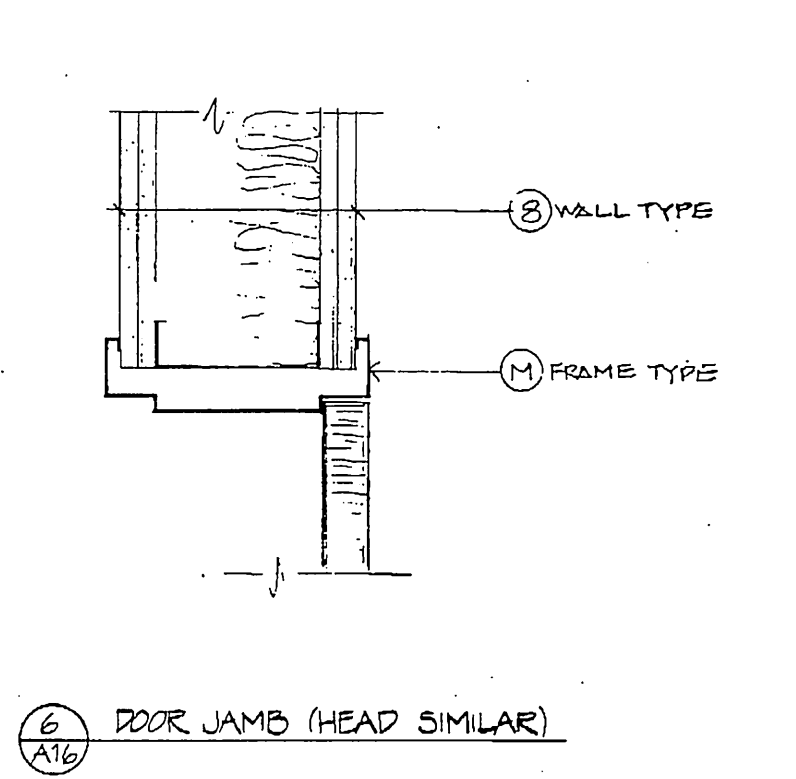
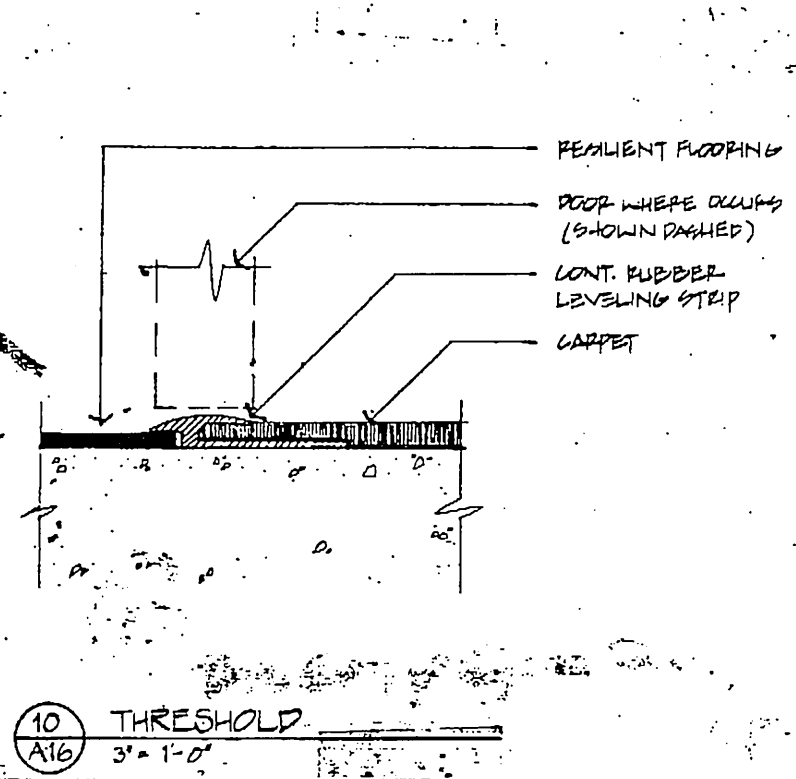
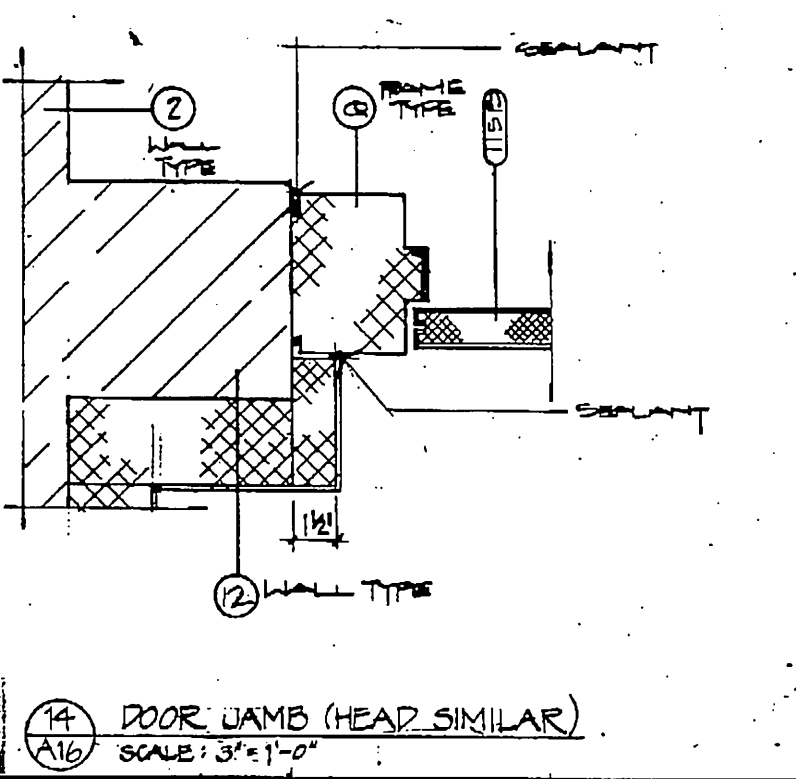
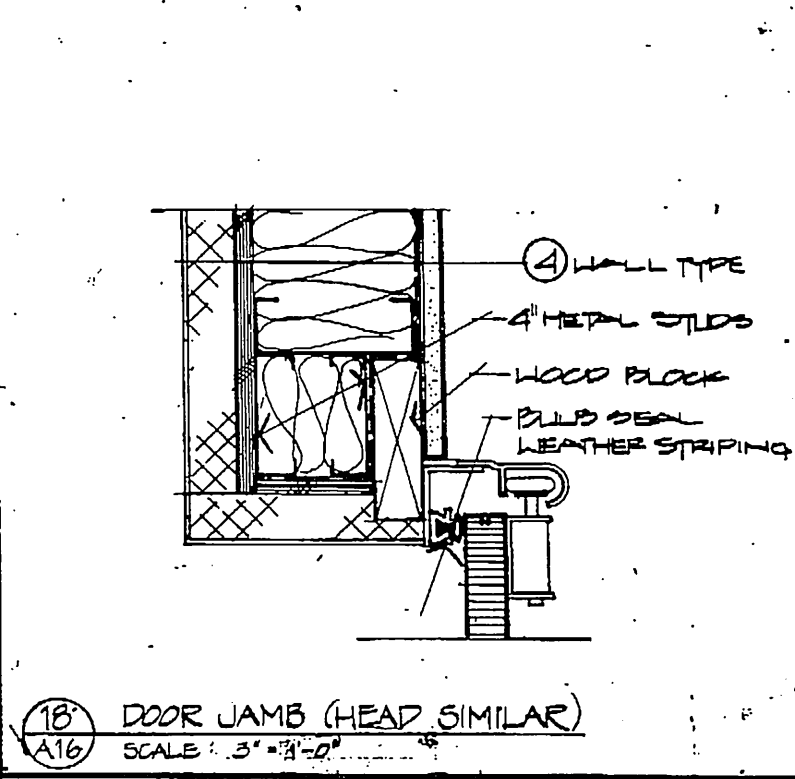
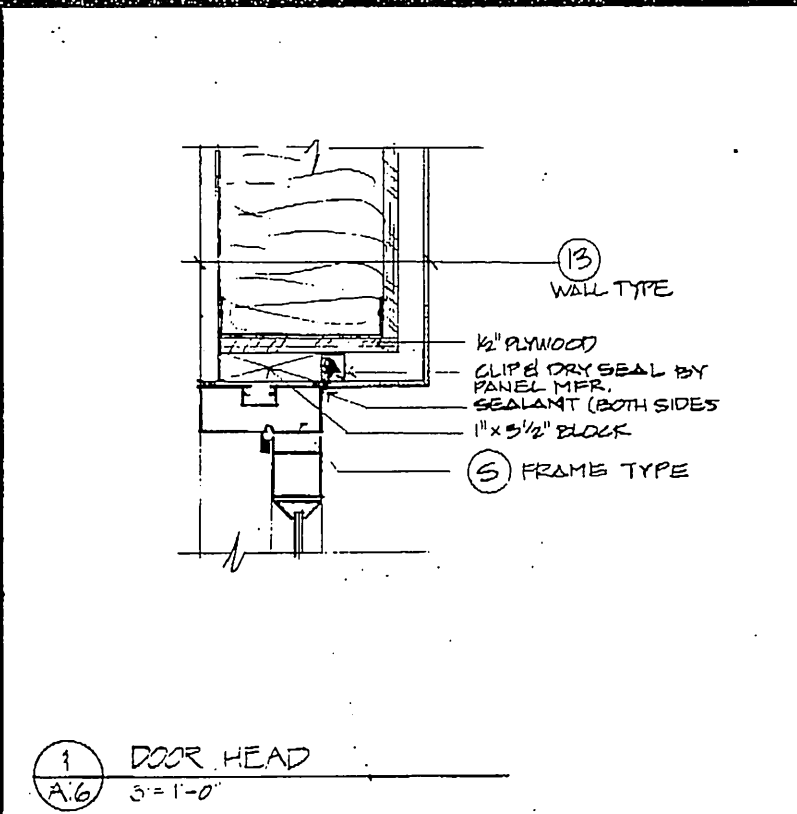
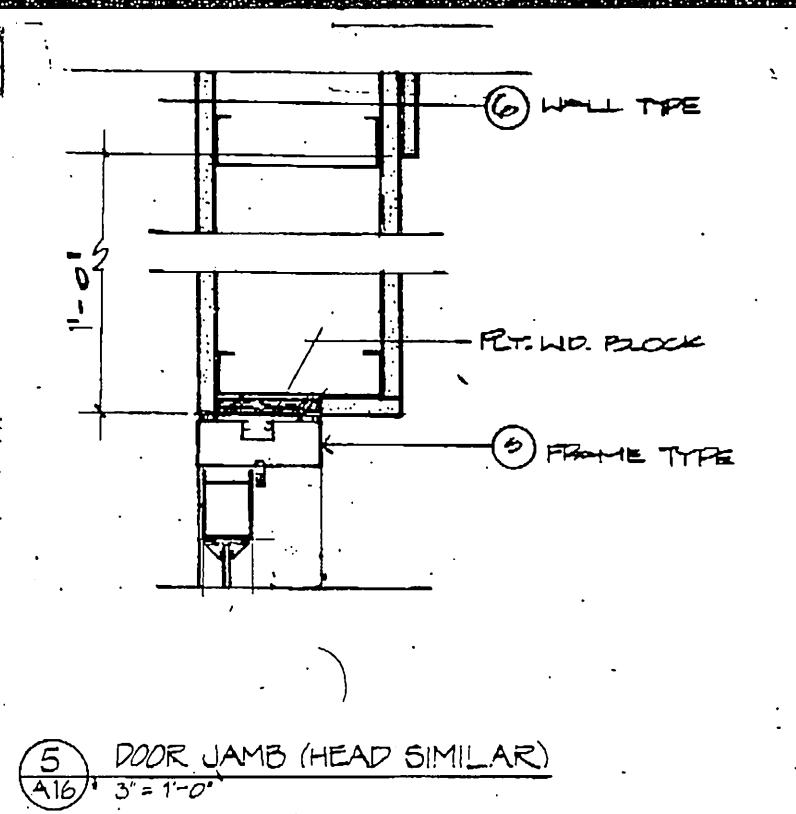
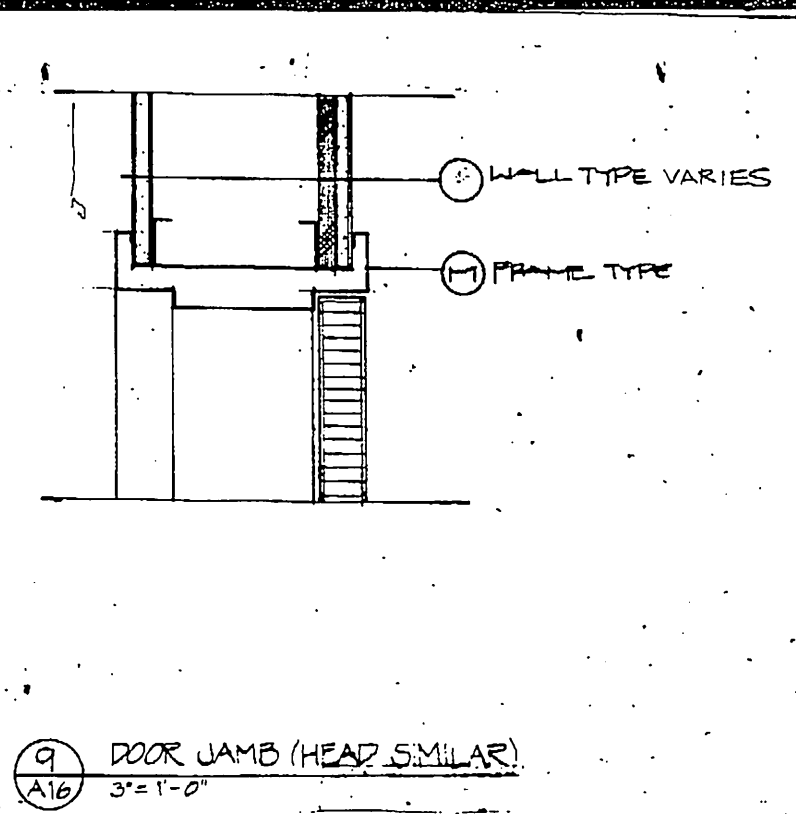
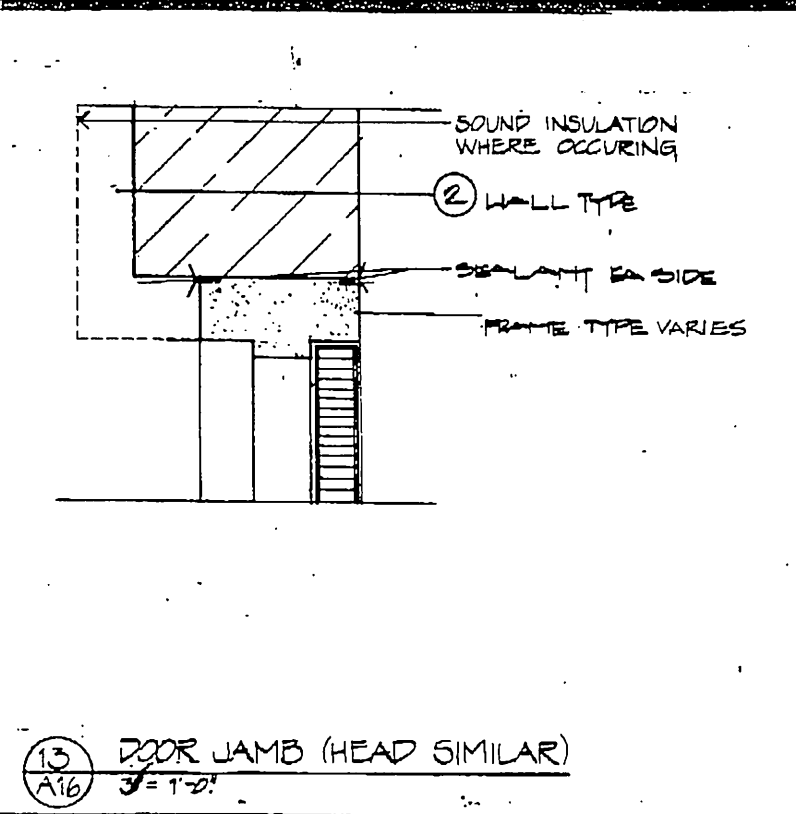
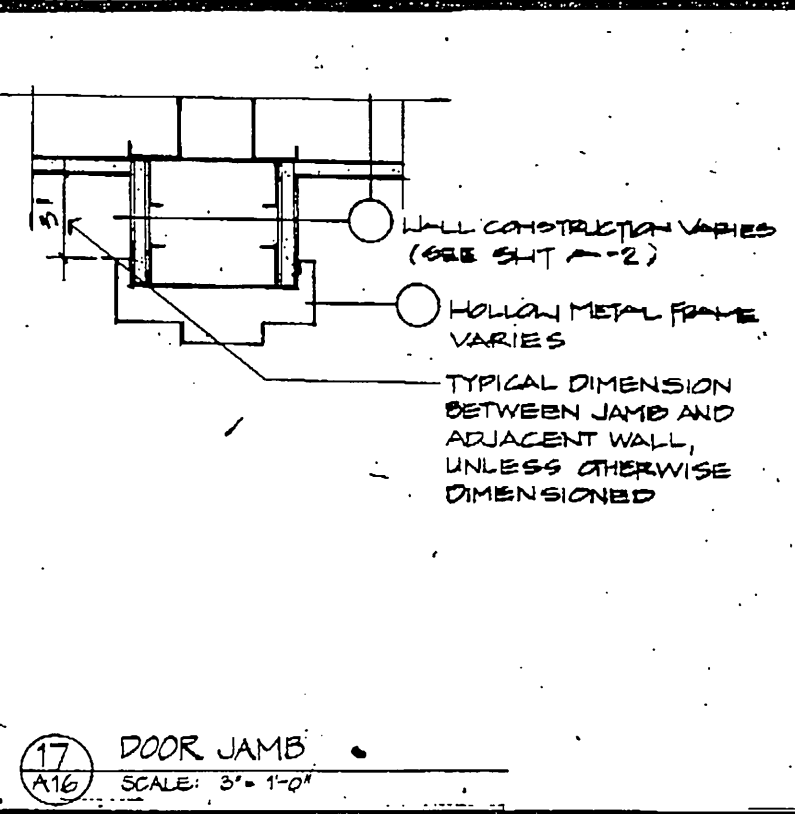
INTERIOR ELEVATIONS

JOB NO. 95-22
A-15

DATE: 12.27.95



GENERAL NOTE: GYPSUM BOARD VENEER AT
RUBBER BASE TO BE PAINTED
TO MATCH RUBBER BASE COLOR
ARCHITECT TO SELECT.



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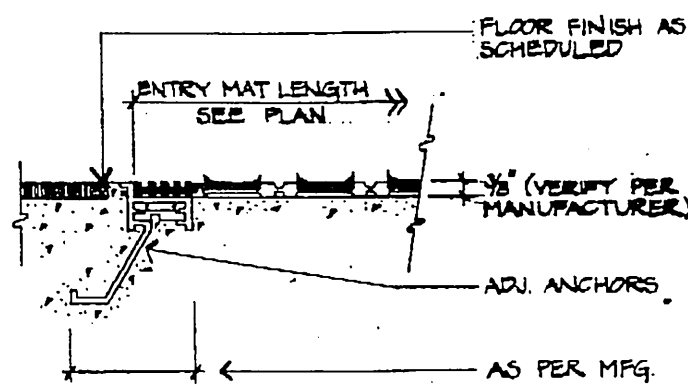
ANCHORAGE STATEWIDE
FORENSIC LABORATORY
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DESIGN OF GEOTECHNICAL REGION
PROJECT T0021 & T003

DETAILS

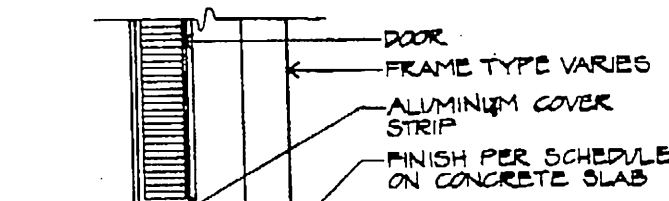
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A-16

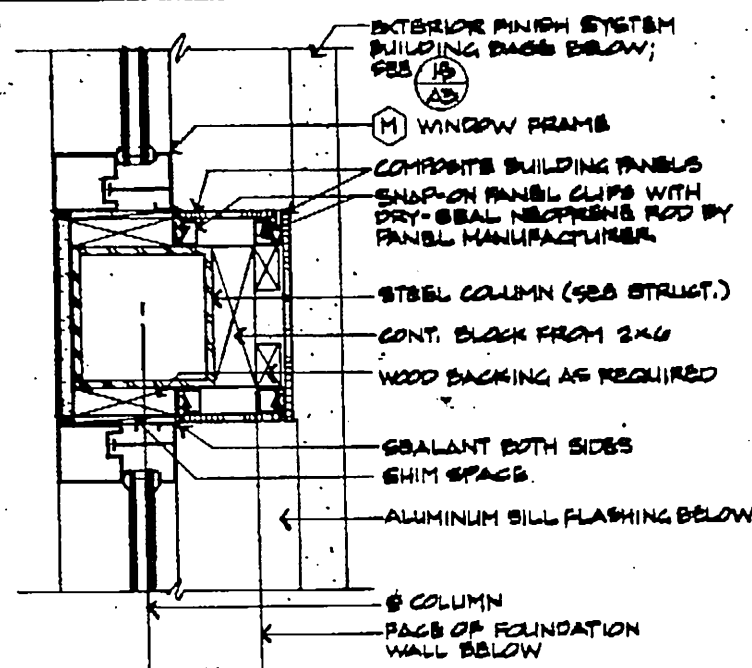
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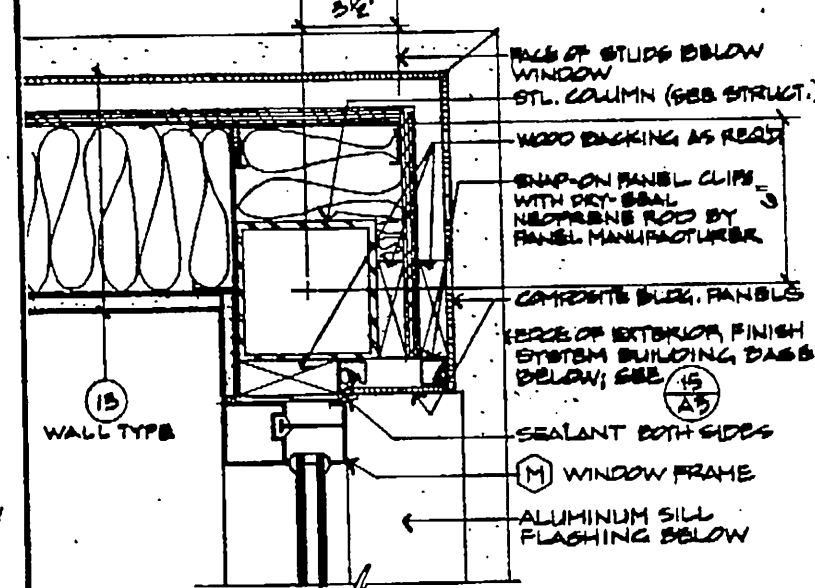
17 ENTRY MAT
SCALE: 3" = 1'-0"



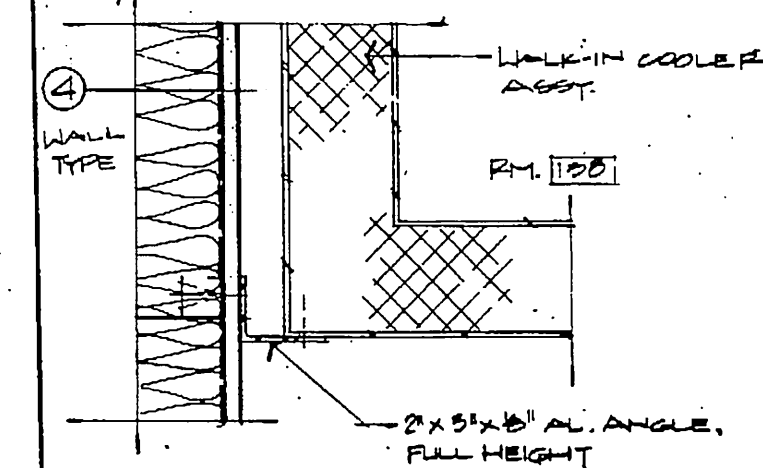
13 THRESHOLD
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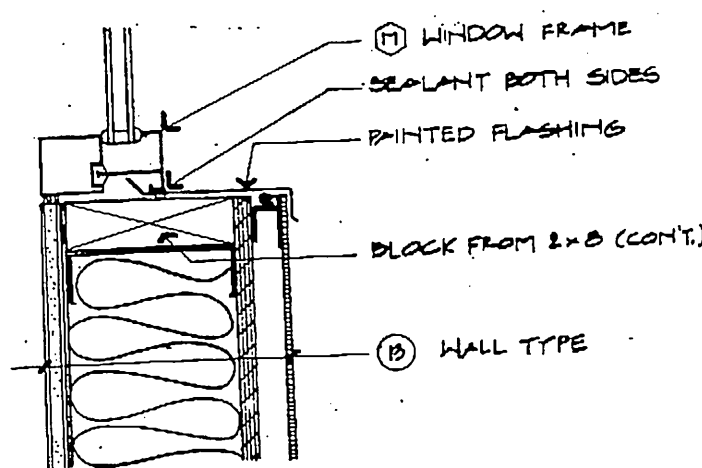
9 WINDOW JAMB
SCALE: 3" = 1'-0"



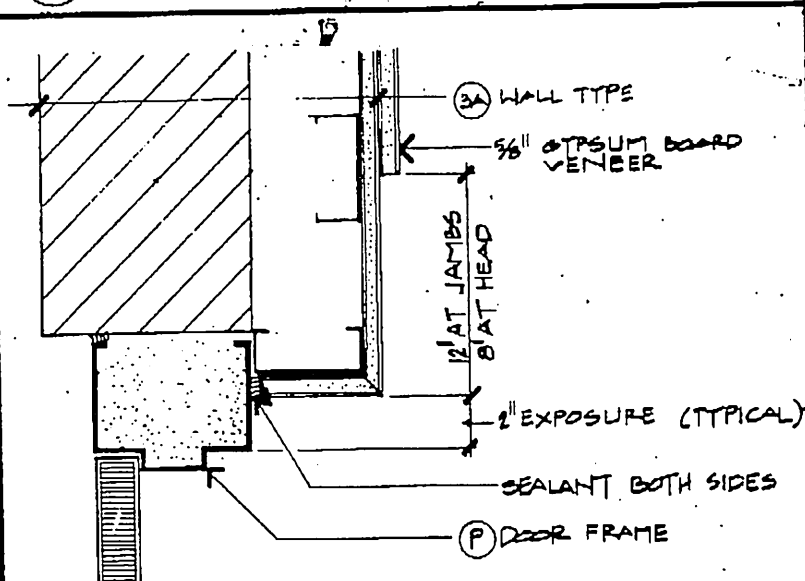
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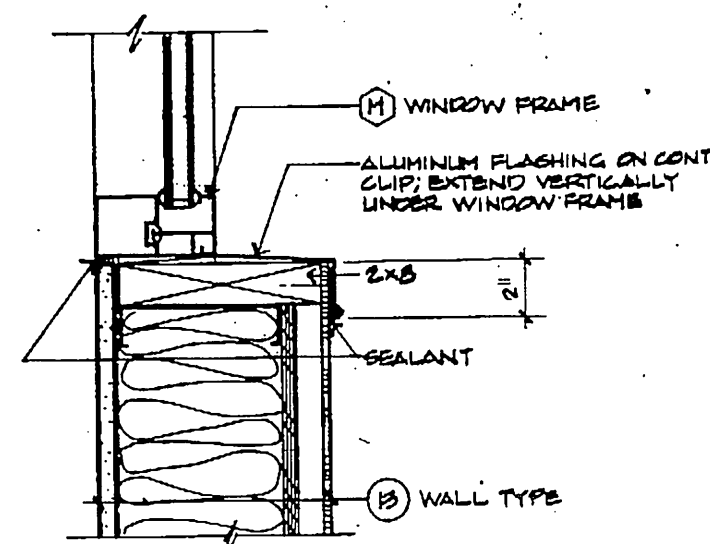
1 PLAN DETAIL AT COOLER
SCALE: 3" = 1'-0"



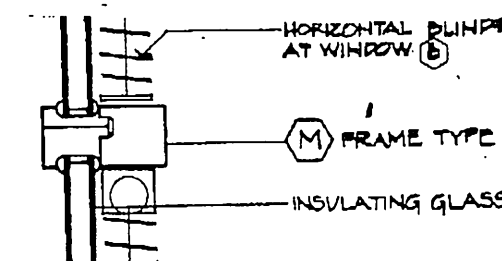
18 WINDOW SILL
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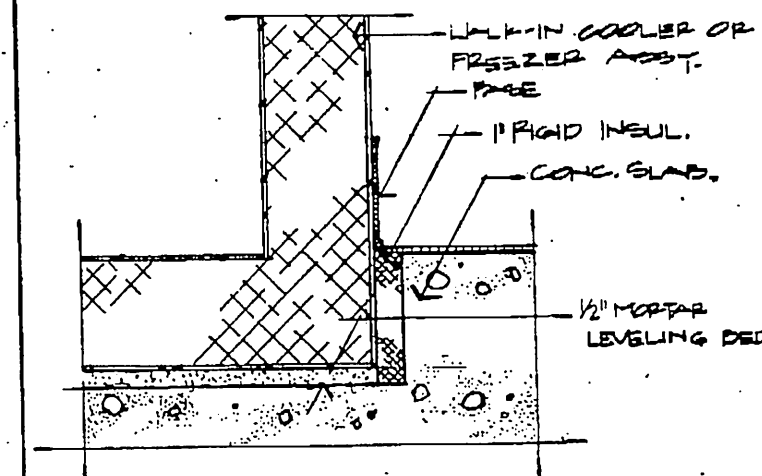
14 DOOR JAMB (HEAD SIMILAR)
SCALE: 3" = 1'-0"



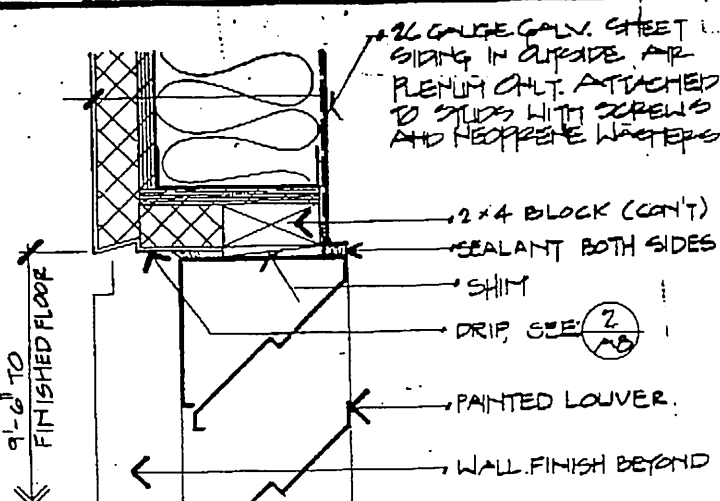
10 WINDOW SILL
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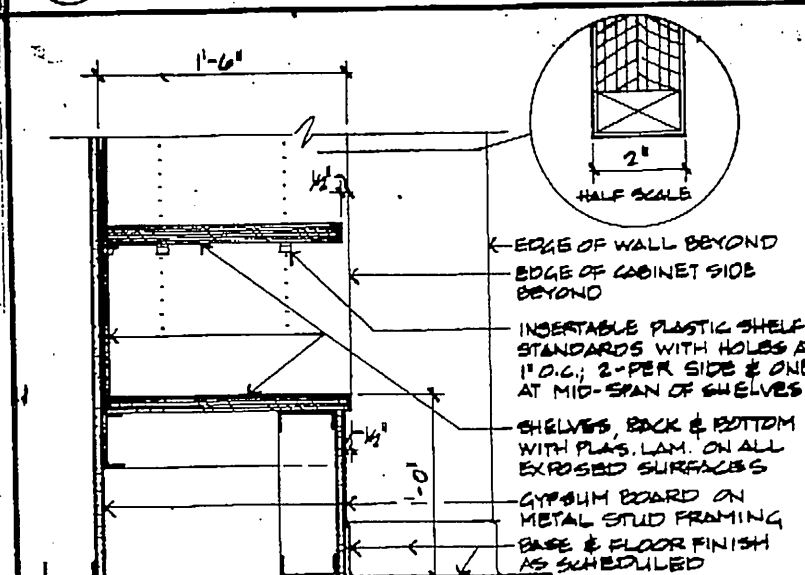
6 WINDOW MULLION
SCALE: 3" = 1'-0"



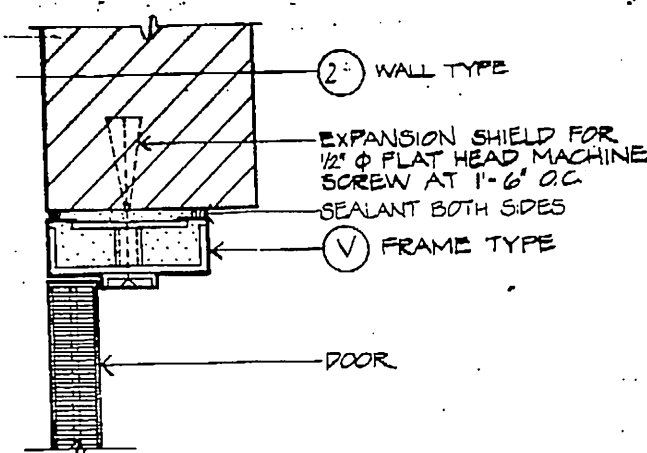
2 BASE DETAIL AT COOLER/FREEZER
SCALE: 3" = 1'-0"



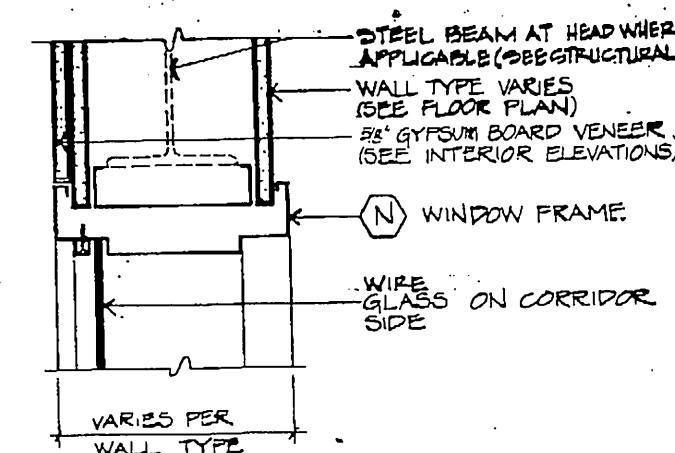
19 LOUVER HEAD (JAMB SIMILAR)
SCALE: 3" = 1'-0"



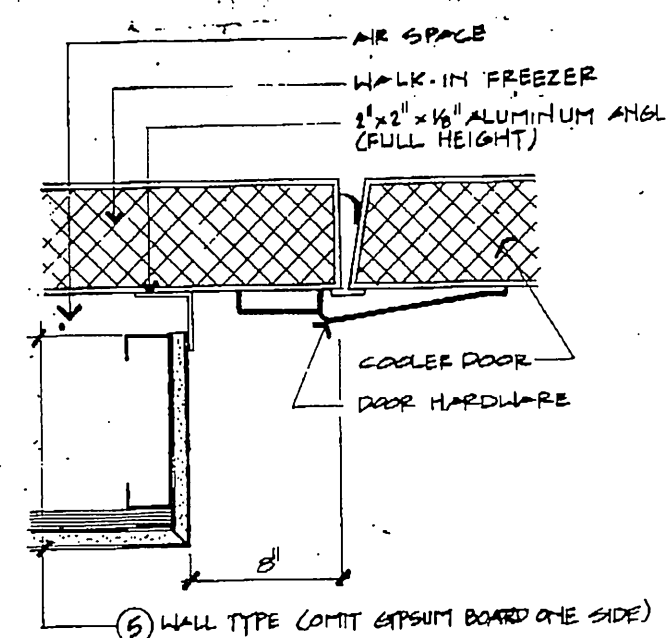
15 SHELVING DETAIL
SCALE: 1/2" = 1'-0"



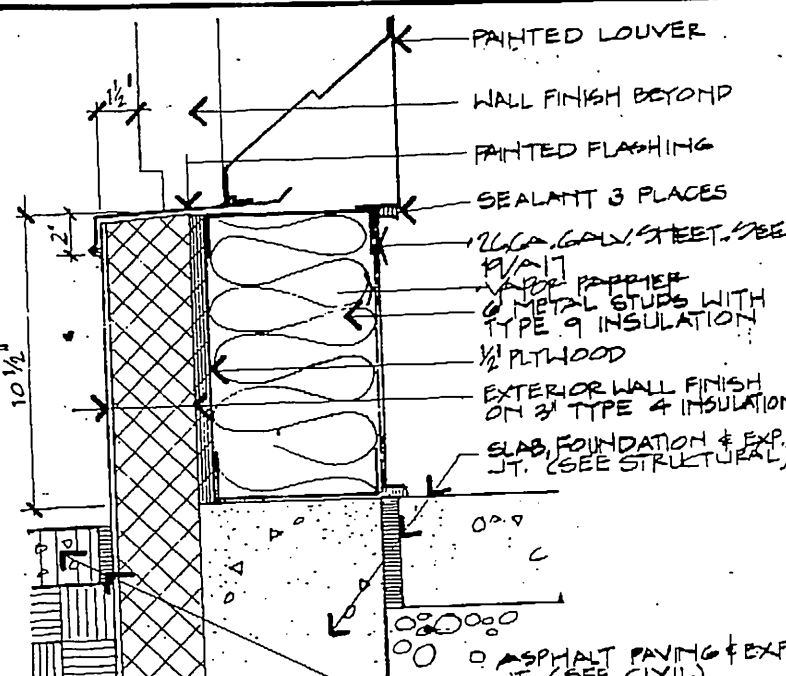
11 DOOR JAMB (HEAD SIMILAR)
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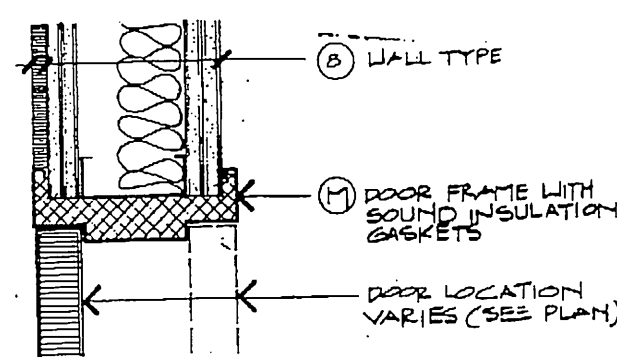
7 WINDOW JAMB (HEAD & SILL SIMILAR)
SCALE: 3" = 1'-0"



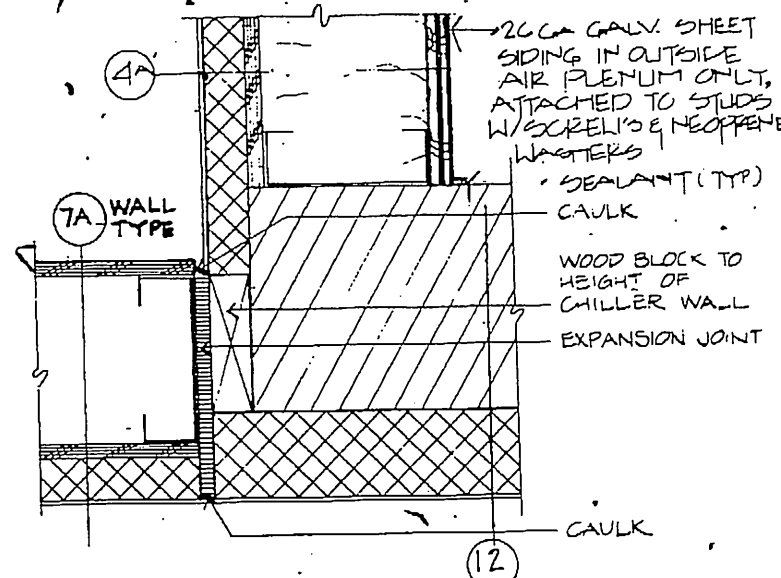
3 DOOR JAMB AT FREEZER
SCALE: 3" = 1'-0"



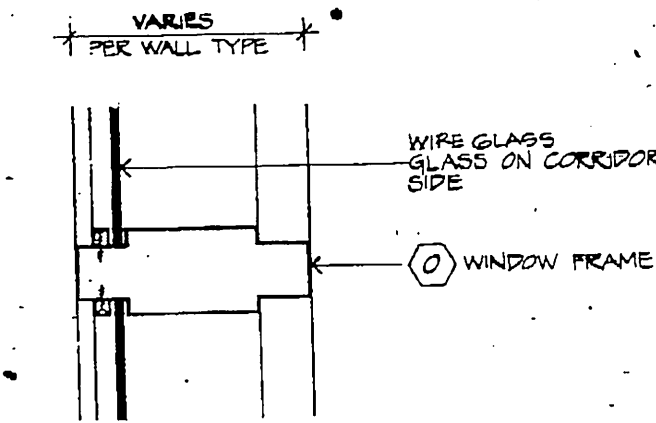
20 LOUVER SILL
SCALE: 3" = 1'-0"



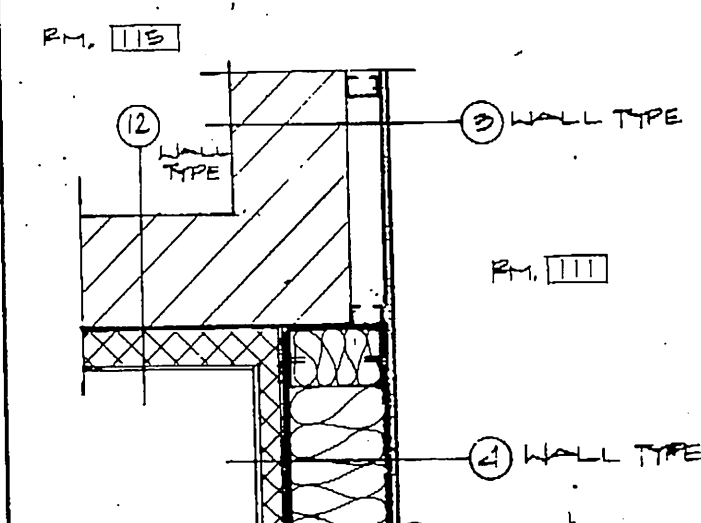
16 DOOR JAMB (HEAD SIMILAR)
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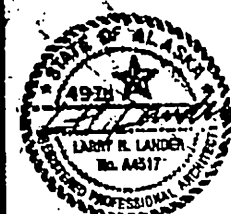
12 EXPANSION JOINT
SCALE: 3" = 1'-0"



8 WINDOW MULLION
SCALE: 3" = 1'-0"



4 PLAN DETAIL
SCALE: 3" = 1'-0"



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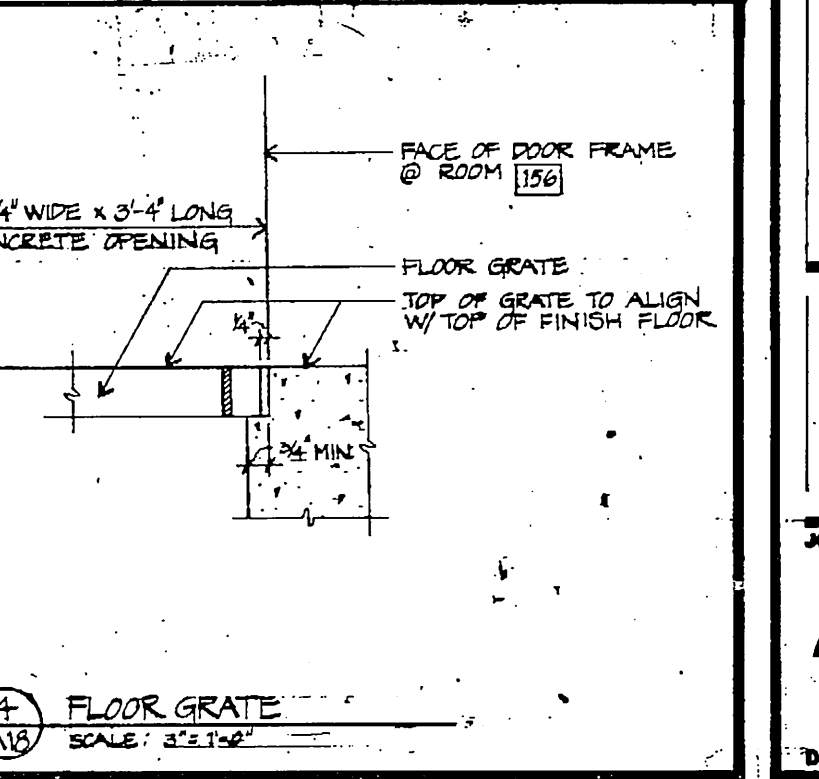
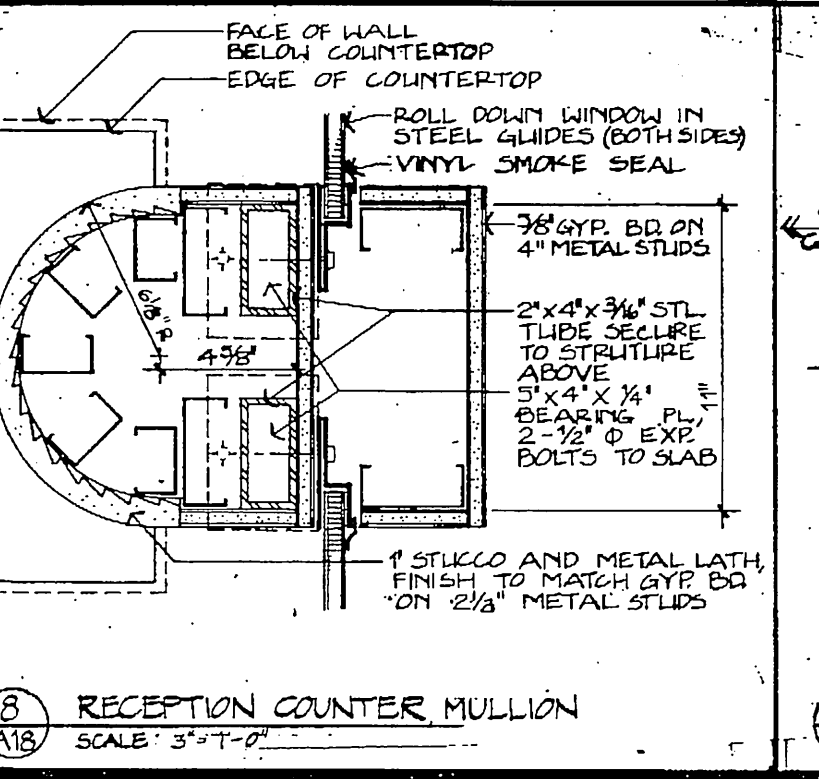
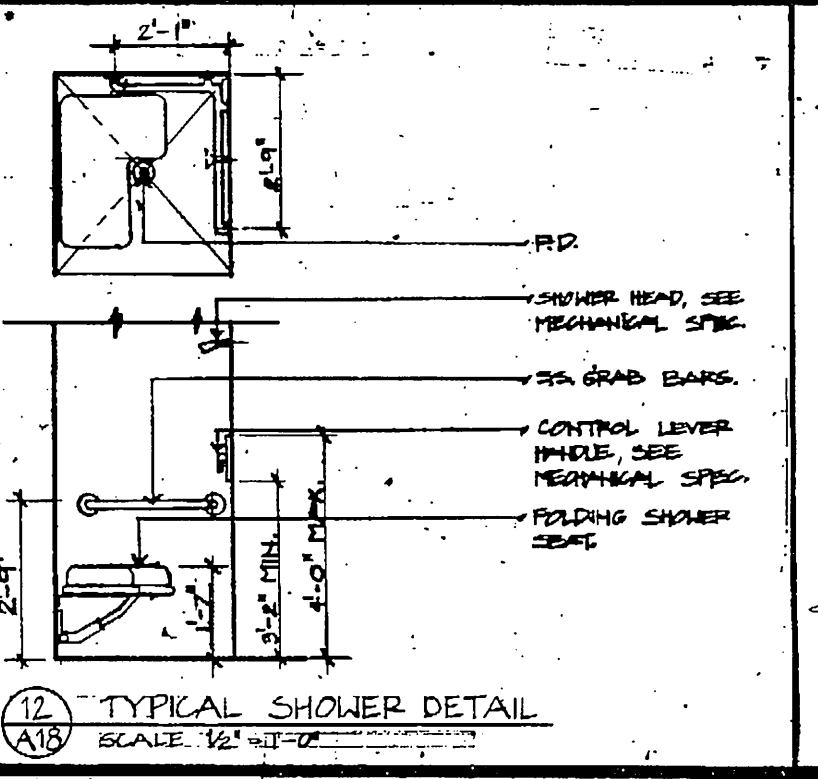
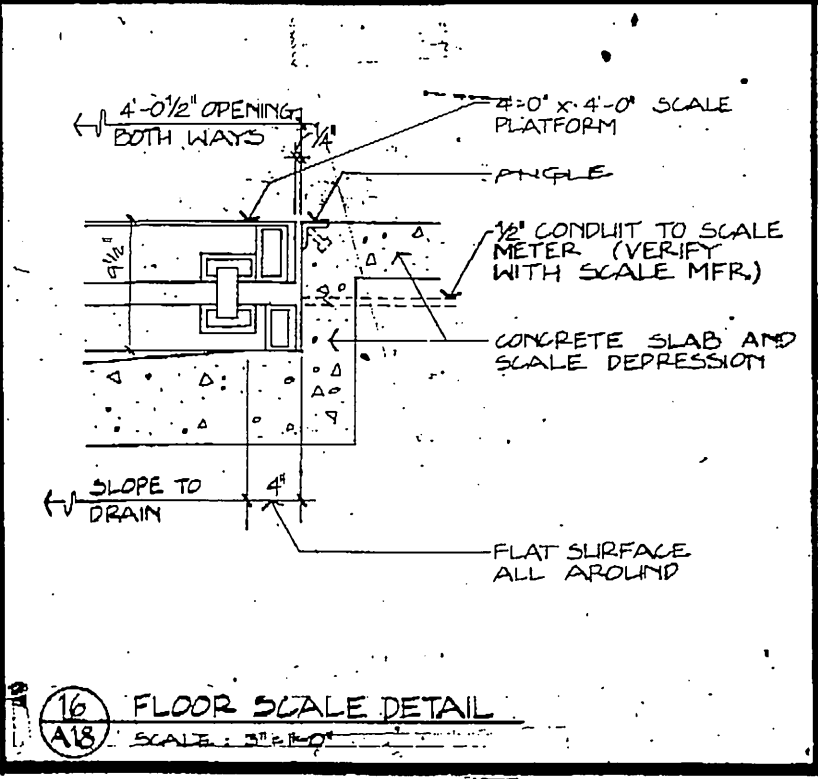
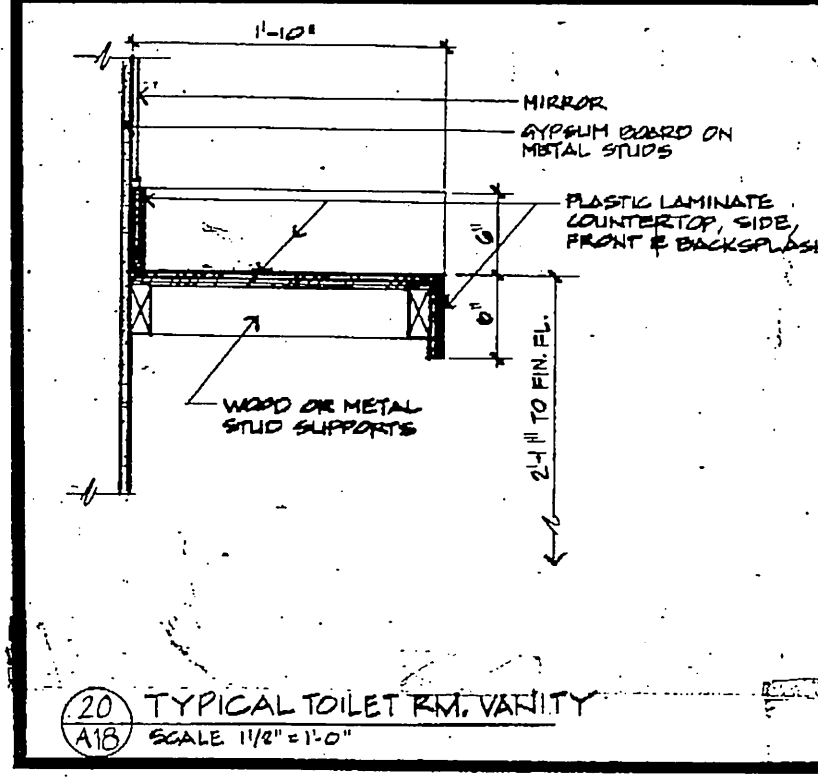
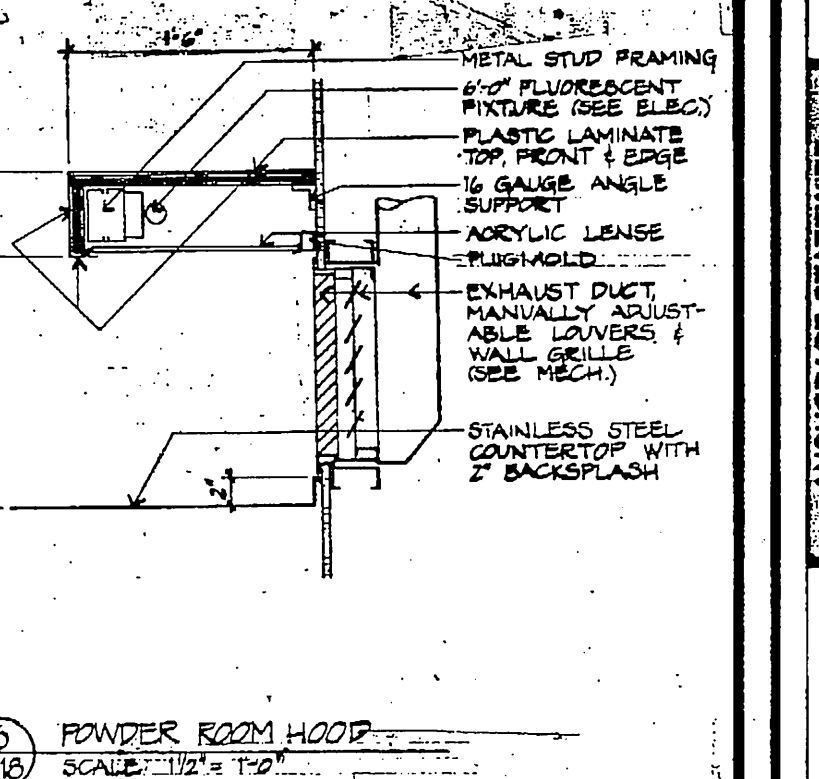
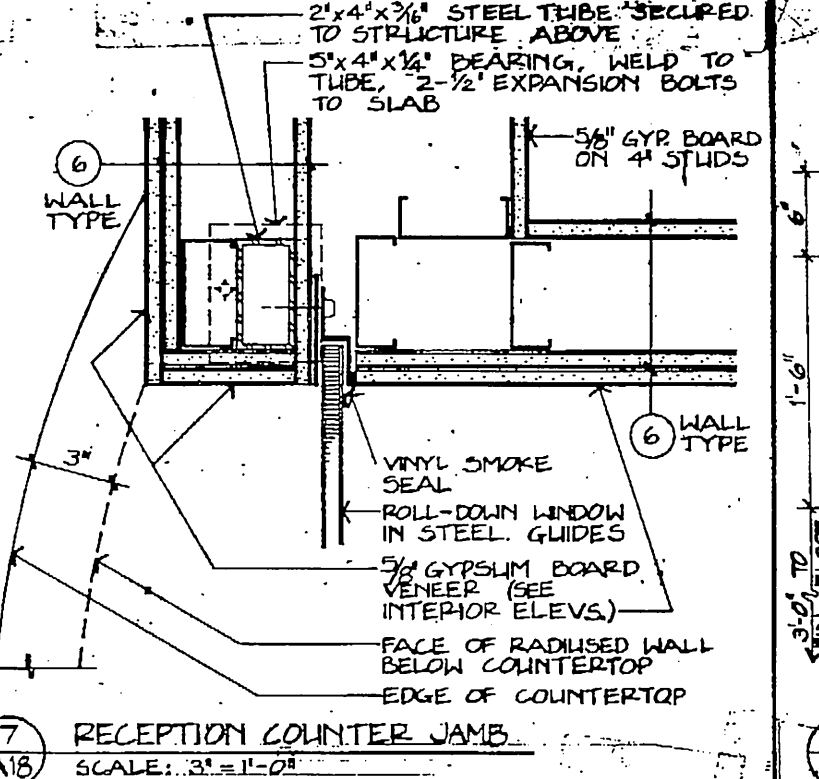
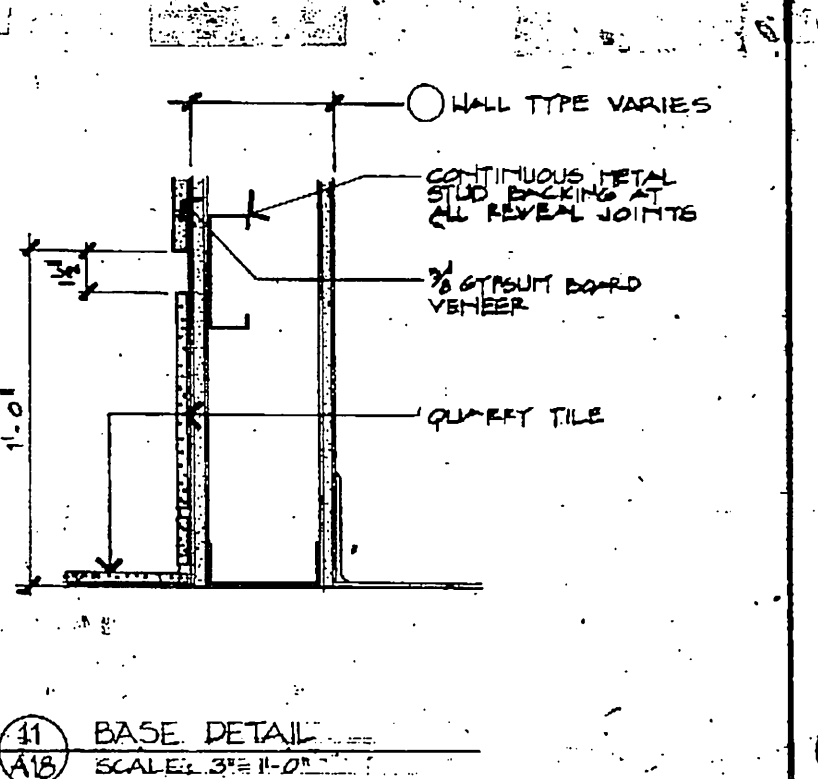
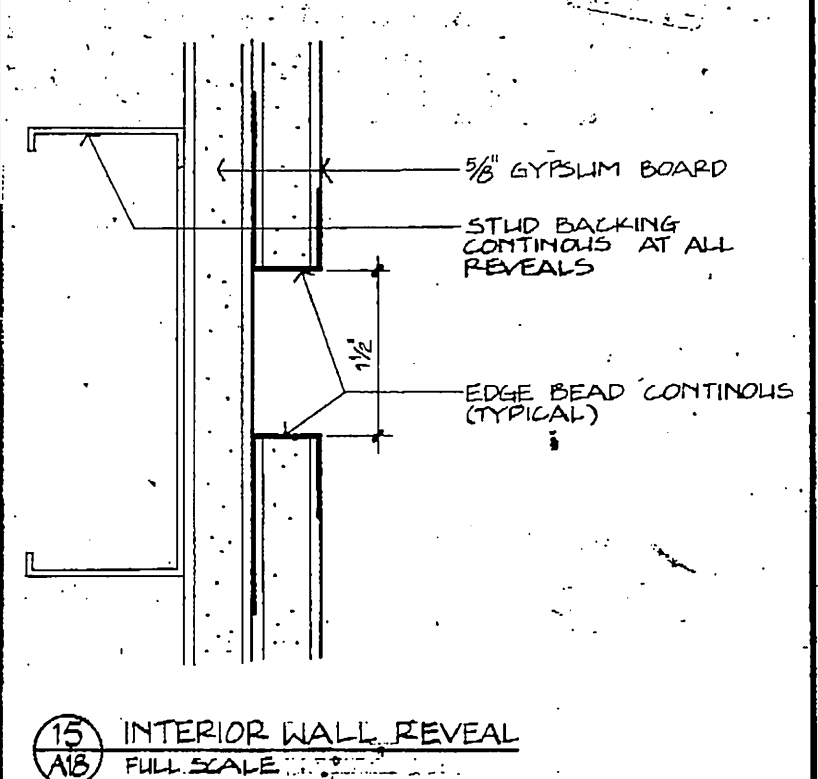
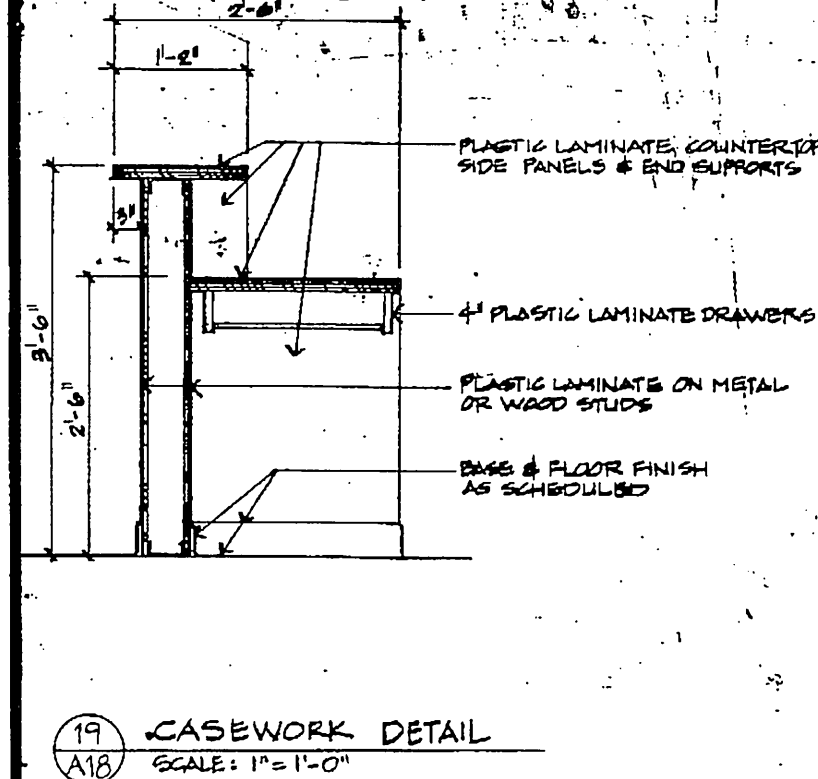
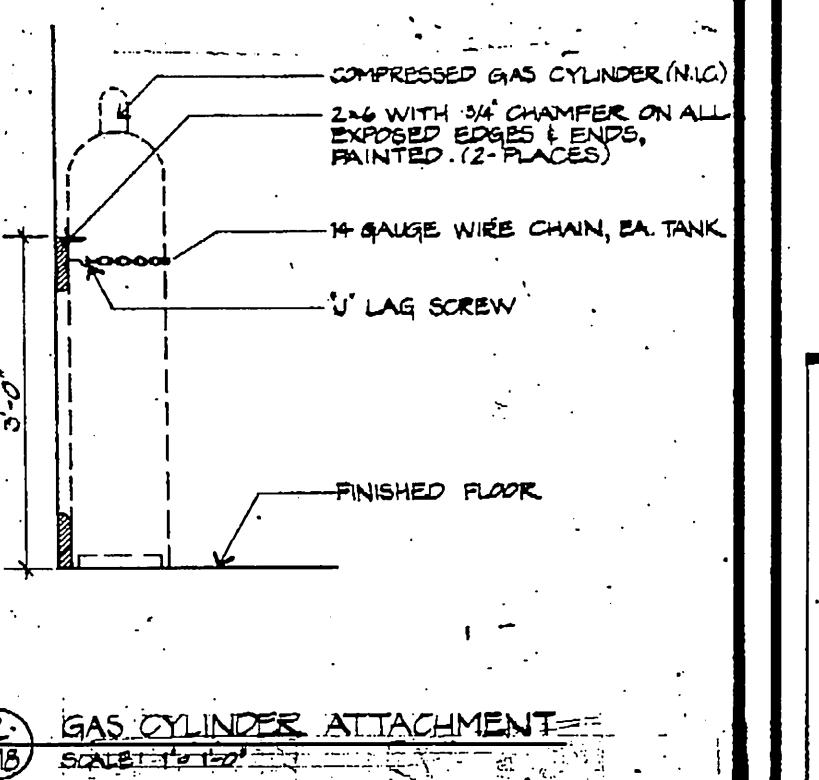
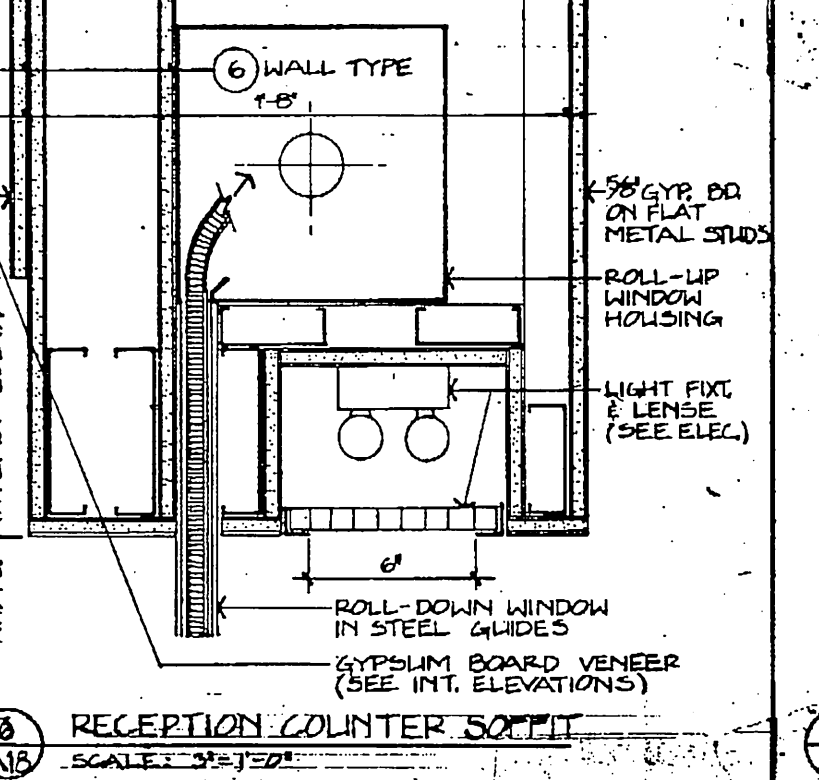
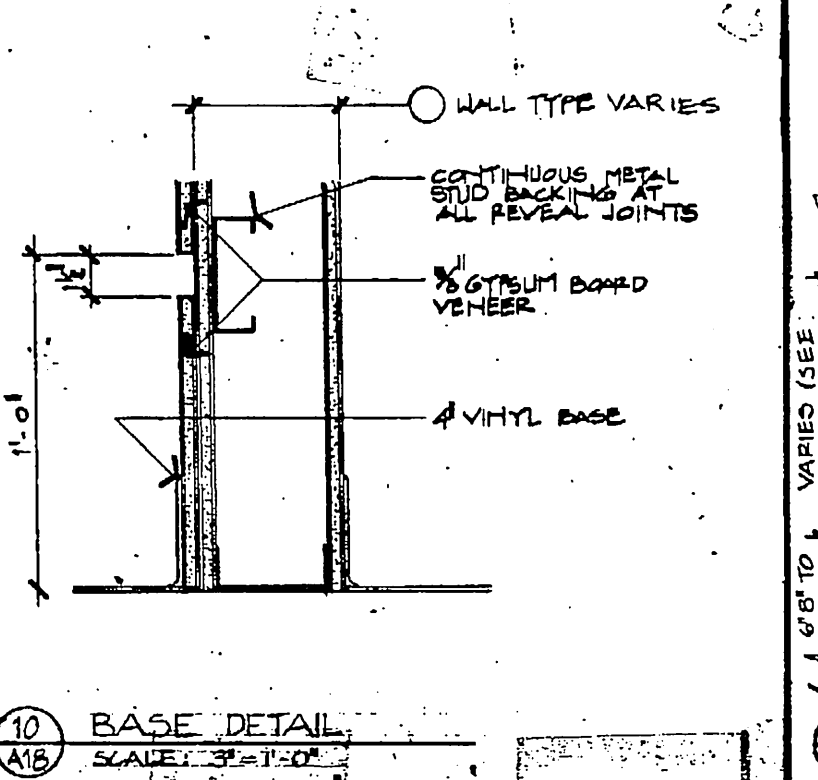
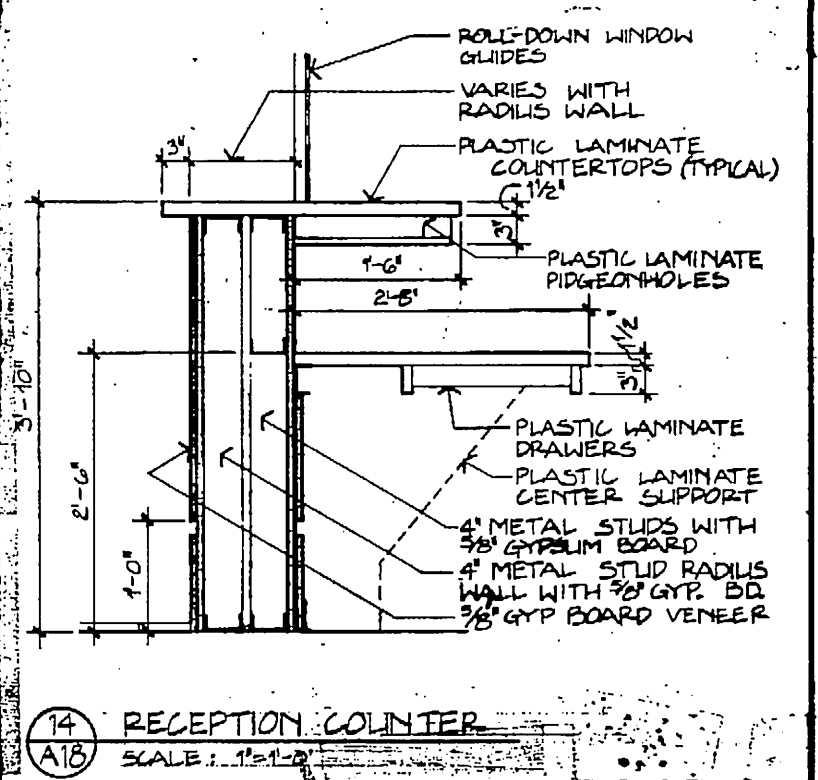
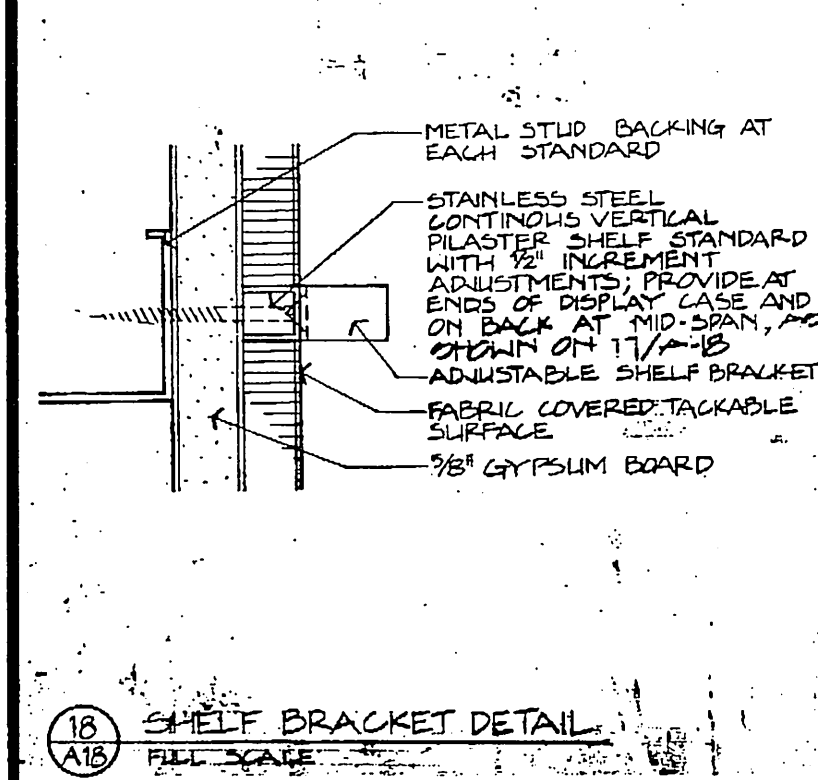
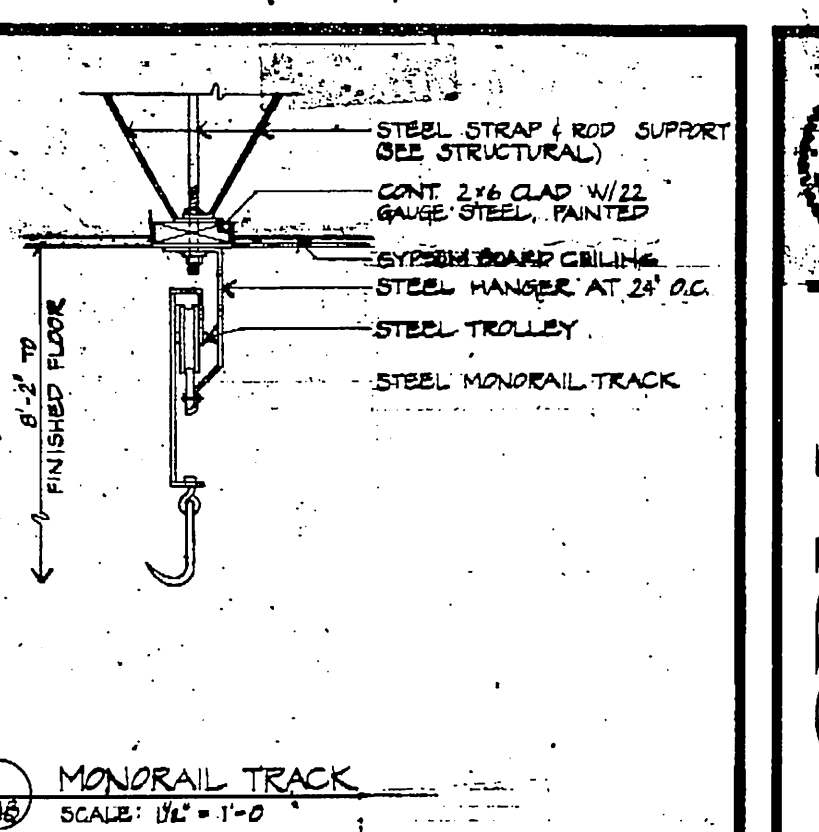
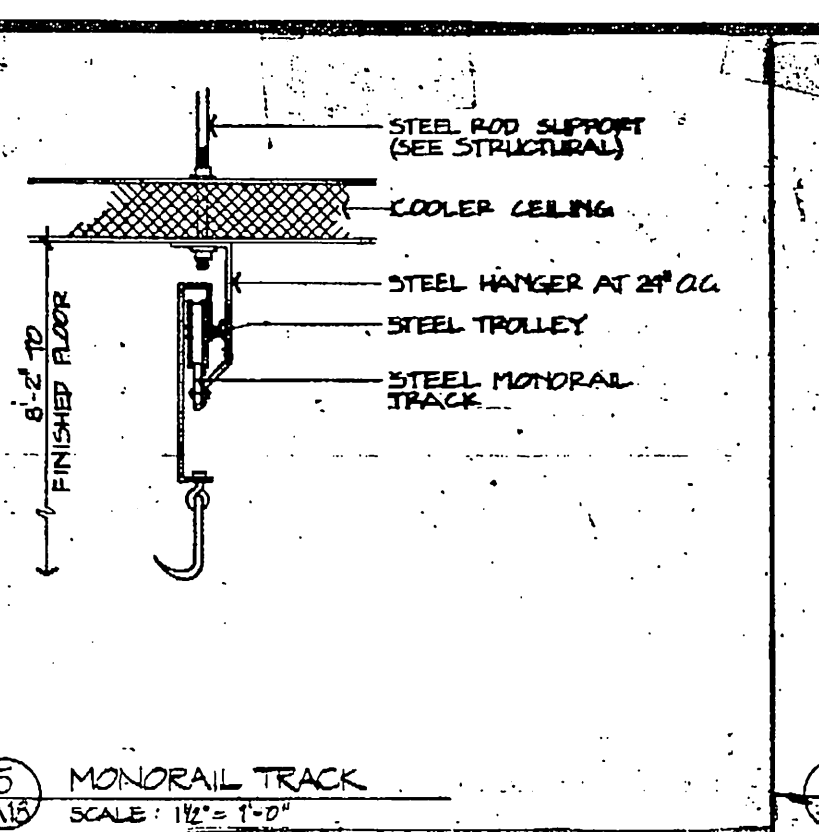
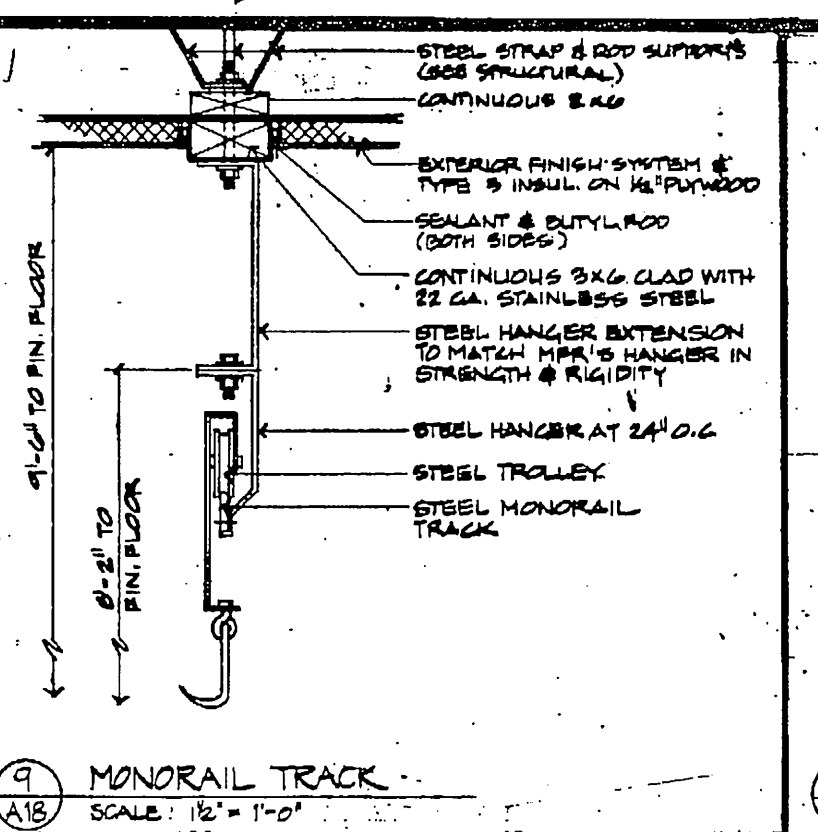
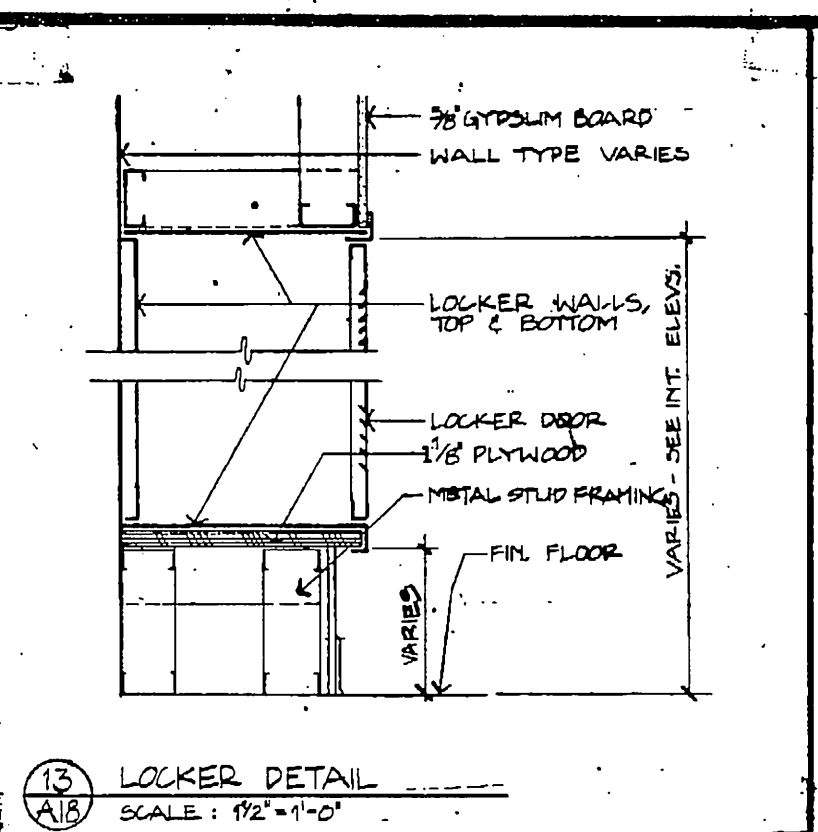
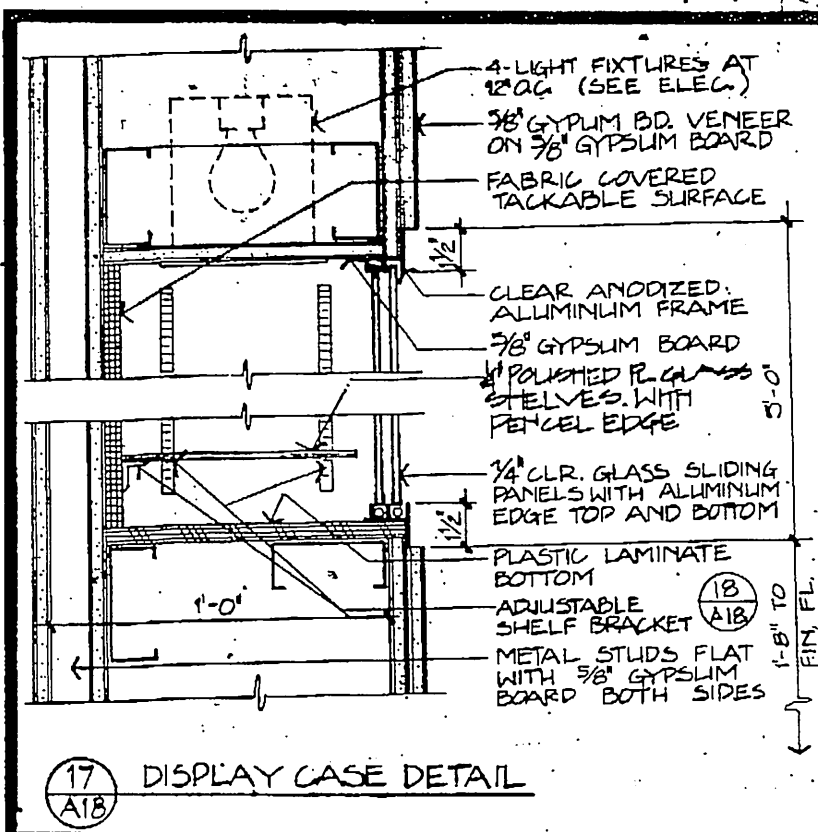
ANCHORAGE STATEWIDE
FORENSIC LABORATORY
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN PROJECT NO. 10023
PROJECT NUMBER X-10023

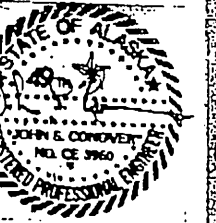
DETAILS

JOB NO. 83-70

A-17

DATE: 13 JULY 84





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ARCHITECTS
ANNE ARBOR • TROY • JENEAU

Century Engineers & Planners, Inc.

ANCHORAGE STATEWIDE FORENSIC LABORATORY
DEPARTMENT OF TRANSPORTATION
DESIGN AND CONSTRUCTION
BUILDINGS AND
PROJECT NUMBER X-9023

FOUNDATION PLAN

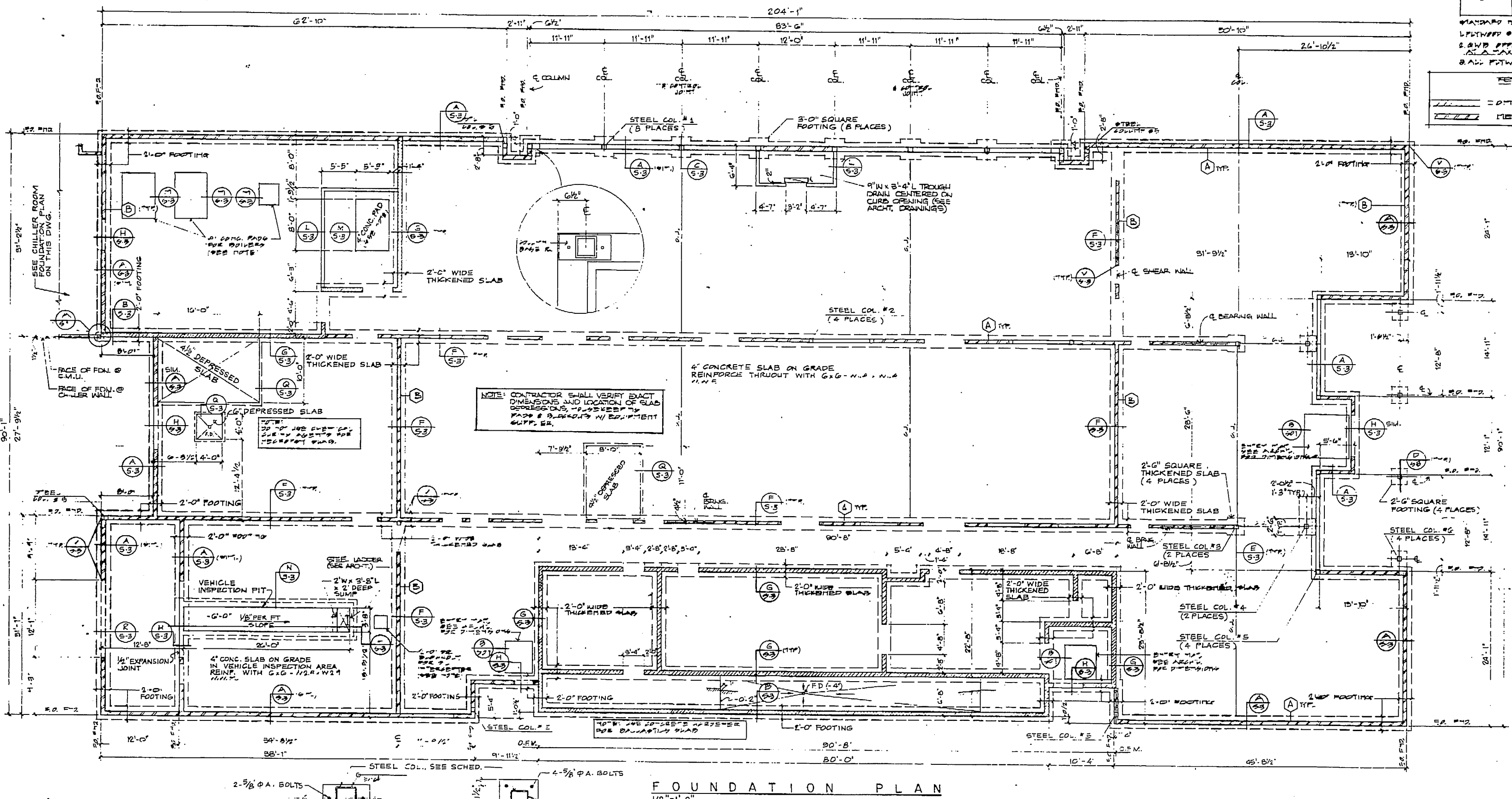
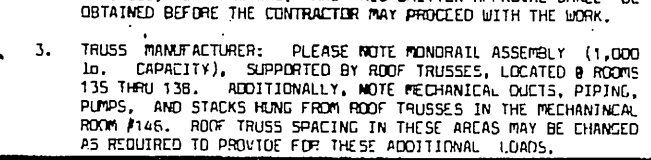
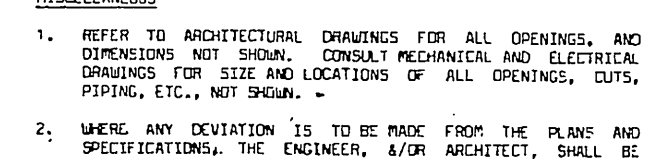
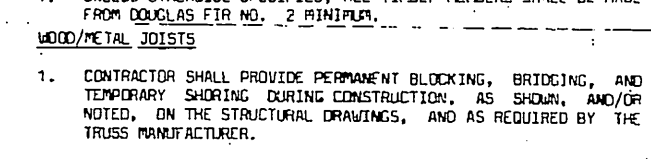
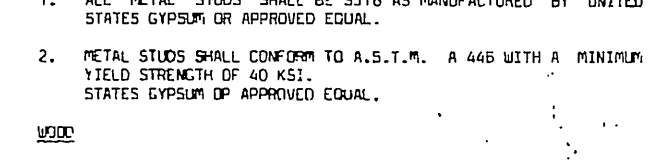
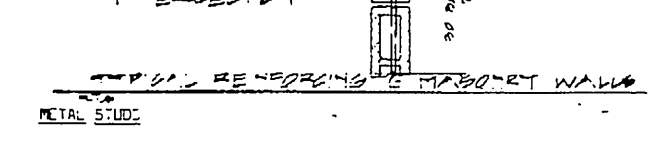
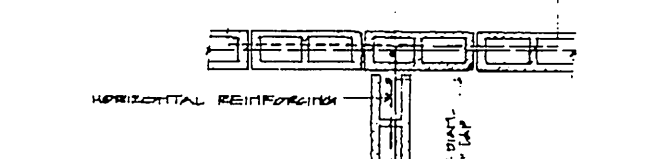
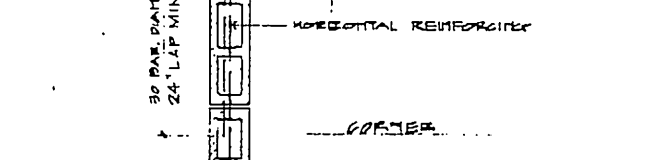
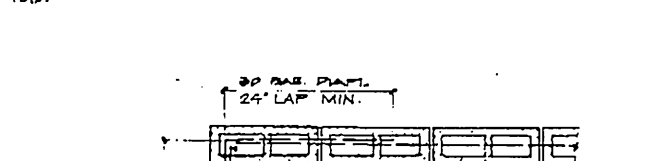
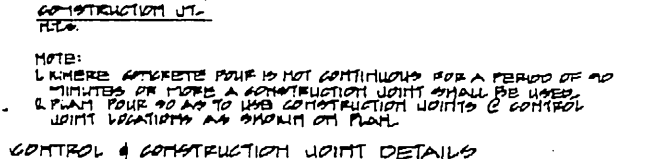
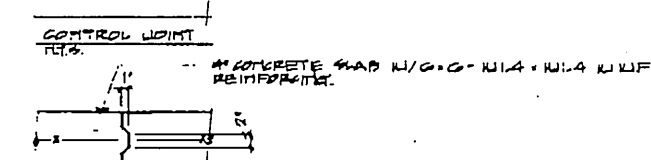
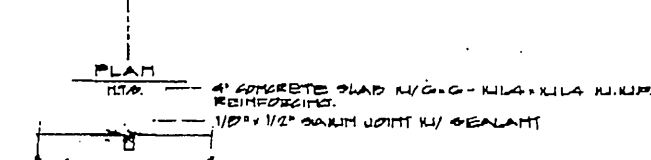
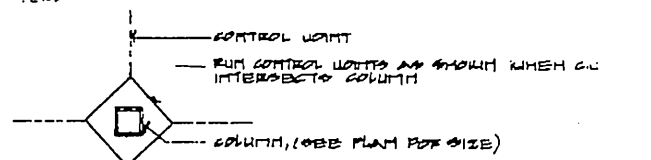
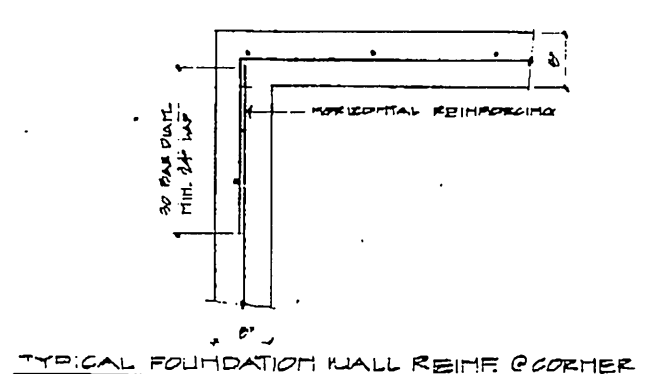
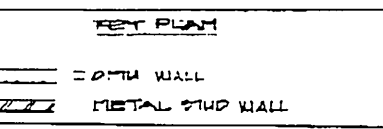
JOB NO. 83.9003.01

S-1

DATE 7/13/84

SEAWALL SHEATHING SCHEDULE			
WALL	STUDS	SHEATHING	FASTENERS
(A)	16 GA. X 6" MTL. STUDS @ 16" O.C.	1/2" PLY. 1/2" FACE	MIN. 1" LONG 1/2" DIA. TUBESAD SCREWS, CONTOUR HEAD 2" DRILLED 1/2" DIA. SCREW SPACING 4" O.C. PLY. EDGES 12" O.C. PLY. FIELD
(B)	16 GA. X 6" MTL. STUDS @ 16" O.C.	1/2" PLY. 1/2" FACE	

STANDARD NOTES:
1. EXISTING SEAWALL SHEATHING IS TO BE REMOVED TO EXPOSE TO STUDS.
2. STUDS TO BE FASTENED TO WALL (A) SHALL BE FASTENED TO STUDS.
3. ALL FASTENED STUDS SHALL BE BUSHED.



FOUNDATION PLAN
1/8"=1'-0"

GENERAL NOTES

ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE UNIFORM BUILDING CODE (1982 EDITION), PLUS AMENDMENTS, BY THE MUNICIPALITY OF ANCHORAGE. WHERE EXPLICIT DETAILS ARE NOT SHOWN OR DESCRIBED, THE MINIMUM REQUIREMENTS OF THE ABOVE CODE SHALL APPLY.

ALL REFERENCES TO ASTM DESIGNATIONS REFER TO THE LATEST EDITION OF SUCH SPECIFICATIONS.

DESIGN LOADINGS:

IN ADDITION TO DEAD LOADS, THE FOLLOWING LIVE LOADS APPLY TO THE BUILDING DESIGN:

- FLOOR LIVE LOADS
a. OFFICE/LAB'S 50 PSF
b. CORRIDORS 100 PSF
c. LIGHT STORAGE (slab over Ballistics) 125 PSF
- PARTITION LOADING 20 PSF
- ROOF SNOW LOAD 40 PSF
- WIND (U.S.C. Method 2, Exp. "B") 100 MPH
- SEISMIC (U.S.C., 1982) ZONE 4
- SOIL BEARING PRESSURE 3000 PSF

CONCRETE

- ALL CAST-IN-PLACE CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE DESIGN STRENGTH OF 3,000 PSI.
- REINFORCING STEEL SHALL CONFORM TO ASTM 615, GRADE 60, AND SHALL BE FURNISHED AND PLACED IN ACCORDANCE WITH THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315-80.
- MINIMUM CLEARANCE FOR REINFORCING BARS, UNLESS SHOWN OTHERWISE, SHALL BE 3" WHEN POURED ON GROUND; FOR SURFACES EXPOSED TO WATER OR WEATHER -- 1 1/2" CLEARANCE FOR #5 BARS, AND 2" CLEARANCE FOR LARGER BARS; INTERIOR SLABS 3/4" CLEARANCE.

- WELDED WIRE FABRIC (SMOOTH) SHALL CONFORM TO ASTM A185, GRADE 60 AND SHALL BE FURNISHED AND PLACED IN ACCORDANCE WITH ACI STANDARD 318-77, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.

FOUNDATIONS

- ALL FOOTINGS SHALL BEAR ON 12" MIN. COMPACTED GRAVEL (NFS) FILL.
- ALL SLABS ON GRADE SHALL BE PLACED ON 6" MIN. COMPACTED GRAVEL (NFS) FILL.
- BACKFILL AGAINST FOUNDATION WALLS SHALL BE ACCOMPLISHED USING GRANULAR N.F.S. SOIL AND CONTRACTOR SHALL PROVIDE ADEQUATE BRACING TO SUPPORT THE WALLS DURING BACKFILL.

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE. ALL SQUARE OR RECTANGULAR STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500 (48 KSI).
- ALL CONNECTION BOLTS SHALL BE HIGH STRENGTH (H.S.) BOLTS CONFORMING TO ASTM A325; EXCEPT, CONNECTION BOLTS INDICATED AS MACHINE BOLTS (M.B.'S.), OR ANCHOR BOLTS, SHALL CONFORM TO ASTM A307.
- ALL STRUCTURAL STEEL TO BE EMBEDDED IN CONCRETE OR MASONRY SHALL BE CLEAN AND FREE OF PAINT, OIL, DIAT, OR OTHER FOREIGN SUBSTANCES.
- ALL STEEL BASE PLATES SHALL CONFORM TO ASTM A36 AND SHALL BE PLACED ON MINIMUM 1" INCH NON-SHRINK DRYPACK.

STEEL DECK

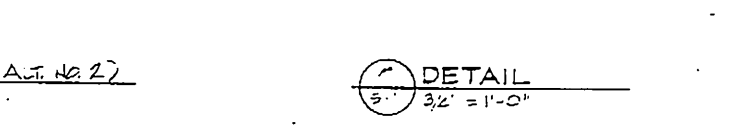
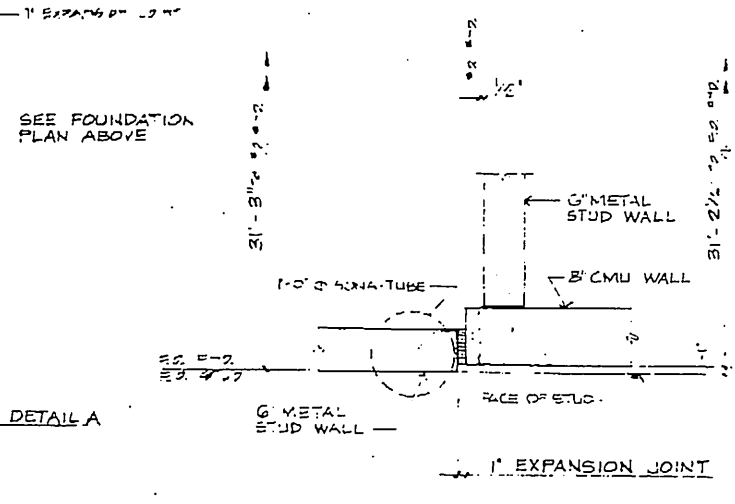
- STEEL DECK SHALL CONFORM TO ASTM A446 (40 KSI) AND SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE STEEL DECK INSTITUTE.
- DECK SHALL BE 1 1/2" TYPE B "HI-FORM" AS MANUFACTURED BY ASE, PAFIC, INC., OR APPROVED EQUAL. REFER TO PLANS FOR GA. REQUIREMENTS.

- DECKING SHALL BE WELDED WITH 3/4" DIA. "PUDDLE-WELDS" & ALL SUPPORTS WITH A MIN. OF 4 WELDS PER SHEET, AS PER MANUFACTURER'S RECOMMENDATIONS. UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS.

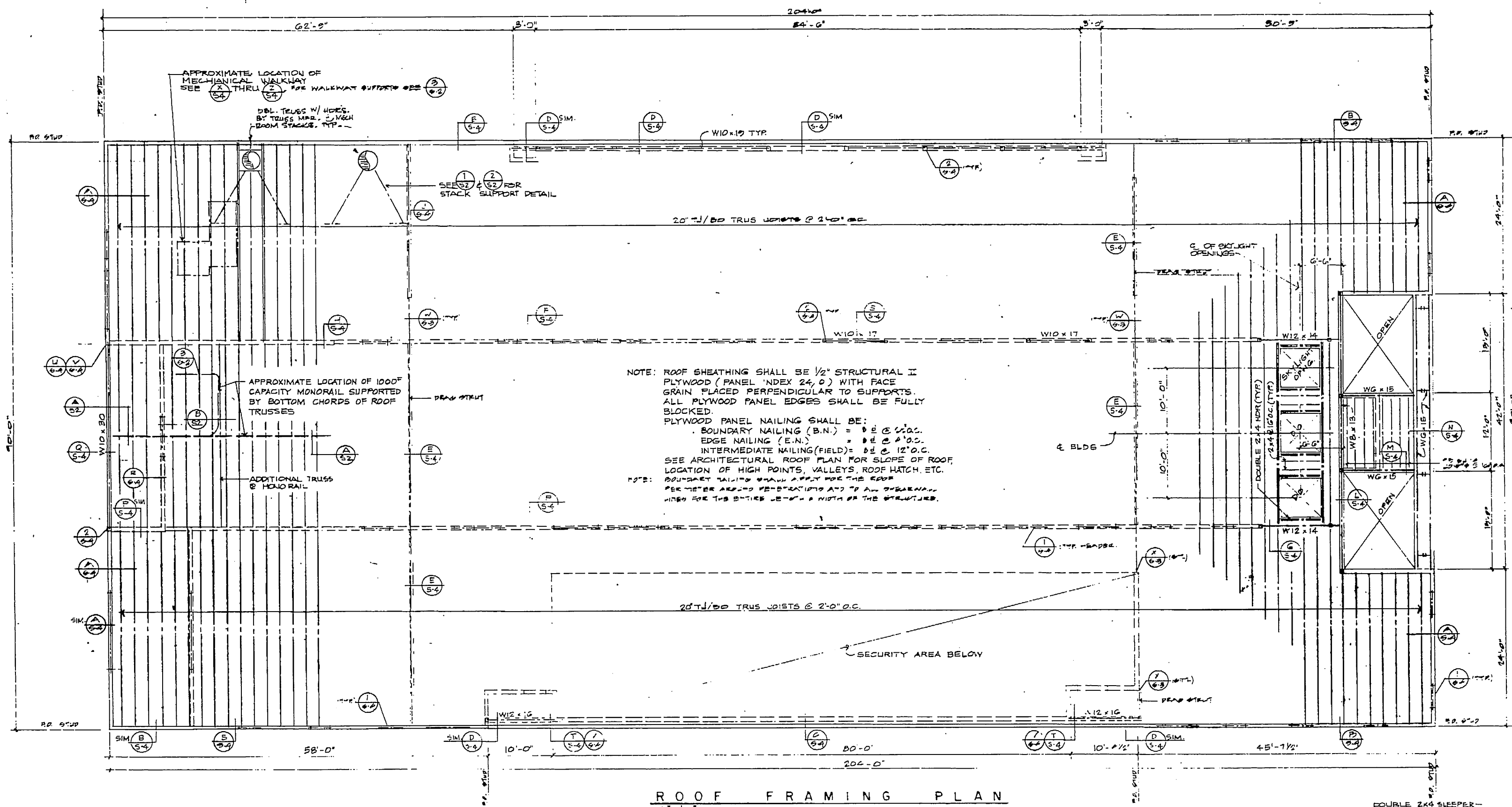
REINFORCED MASONRY

- ALL REINFORCED CONCRETE MASONRY UNITS SHALL CONFORM TO SECTION 24 OF THE 1982 U.S.C. (f'm = 1350 psi (partially grouted C.M.U.) f'm = 1500 psi (solid grouted C.M.U.))
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C-90, GRADE N-1. MORTAR SHALL CONFORM TO ASTM C-270, TYPE M.
- ALLOWABLE MASONRY DESIGN STRESSES ARE AS SET FORTH IN U.S.C. TABLE 24/H. ONE HALF (1/2) STRESSES APPLY TO ALL MASONRY CONSTRUCTION EXCEPT WHERE PLANS REFER TO "SPECIAL REQUIREMENTS", WHICH ALLOWS THE USE OF FULL STRESSES.
- WHERE "SPECIAL INSPECTION REQUIRED" APPEARS ON PLANS THE ARCHITECT SHALL BE NOTIFIED IN WRITING (5) WORKING-DAYS IN-ADVANCE OF GROUTING OF THE C.M.U.'S, UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE. INSPECTION OF STEEL PLACEMENT BEFORE GROUTING IS REQ'D IN ALL AREAS DESIGNATED AS SUCH ON THE DRAWINGS.
- REFER TO ARCH'L PLANS FOR REQUIRED FINISHES FOR C.M.U. BLOCK SURFACES.
- REINFORCING STEEL SHALL CONFORM TO ASTM 615, GRADE 60, AND SHALL BE FURNISHED AND PLACED AS SHOWN ON THE PLANS.
- UNLESS NOTED OTHERWISE ON THE DRAWINGS ALL MASONRY WALLS SHALL BE REINFORCED WITH (1) #5 BAR HORIZONTAL AT 48 INCHES O.C. AND (1) #5 BAR VERTICAL AT 24 INCHES O.C. HORIZONTAL REINFORCEMENT SHALL BE PROVIDED IN THE TOP OF FOOTINGS, AT THE TOP OF WALL OPENINGS, AT STRUCTURALLY CONNECTED FLOOR AND ROOF LEVELS AND AT THE TOP OF PARAPET WALLS.
- REFER TO DRAWINGS FOR REINFORCING REQUIREMENTS AROUND ALL OPENINGS.

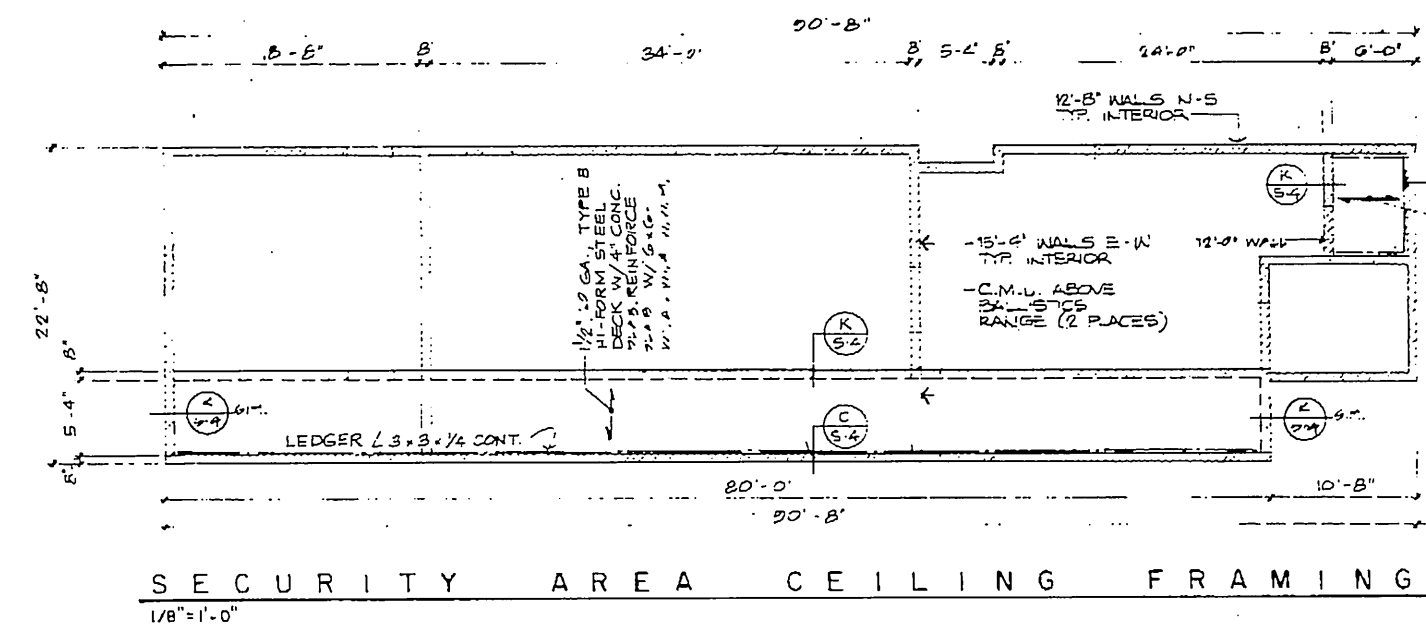
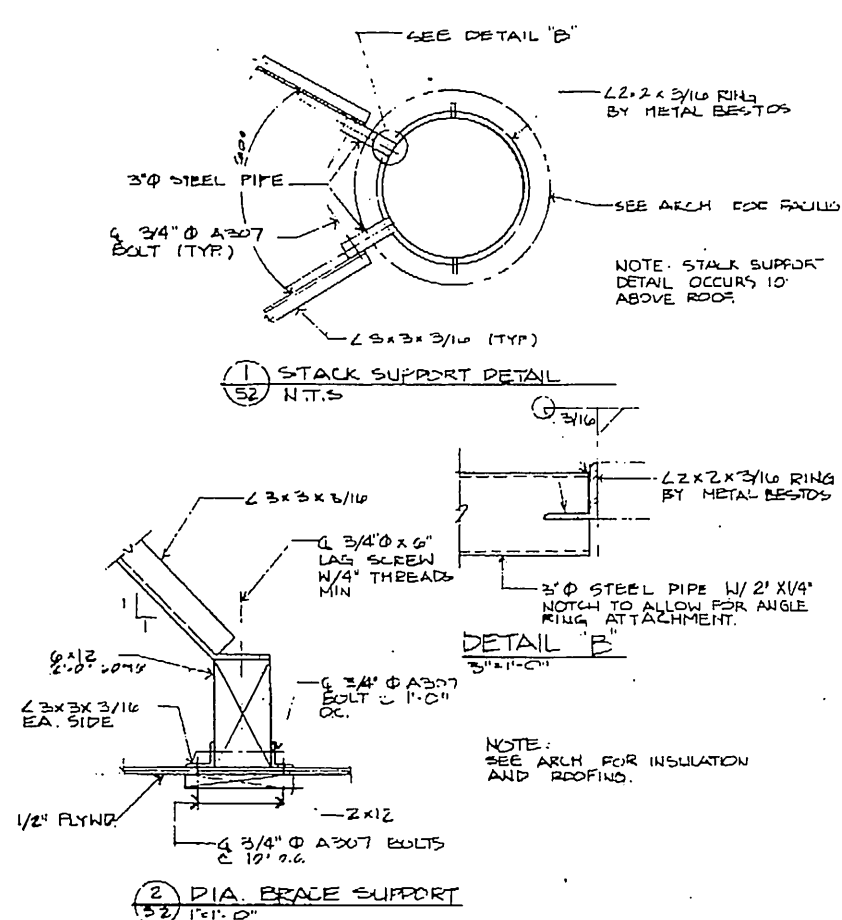
COLUMN SCHEDULE			
COL. NO.	COLUMNS SIZE	BASE E. TYPE	N2 REQ'D
1	TS 5' x 5' x 1/2"	A	2
2	TS 4' x 4' x 1/2"	A	2
3	TS 4' x 4' x 1/2"	A	2
4	TS 4' x 4' x 1/2"	A	2
5	TS 4' x 4' x 1/2"	A	2
6	TS 4' x 4' x 1/2"	A	2



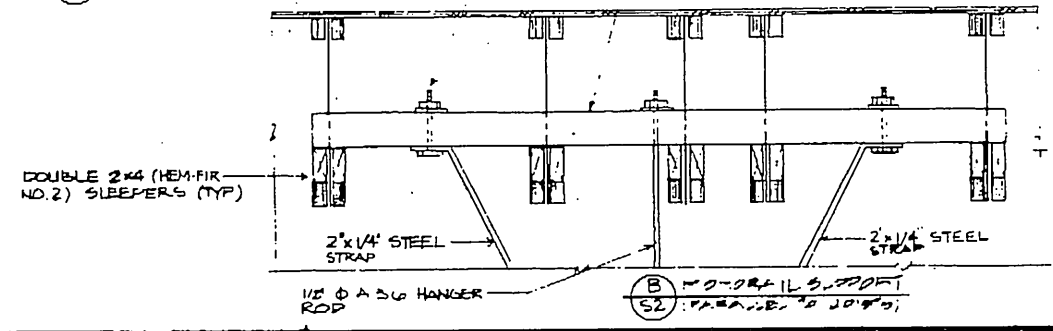
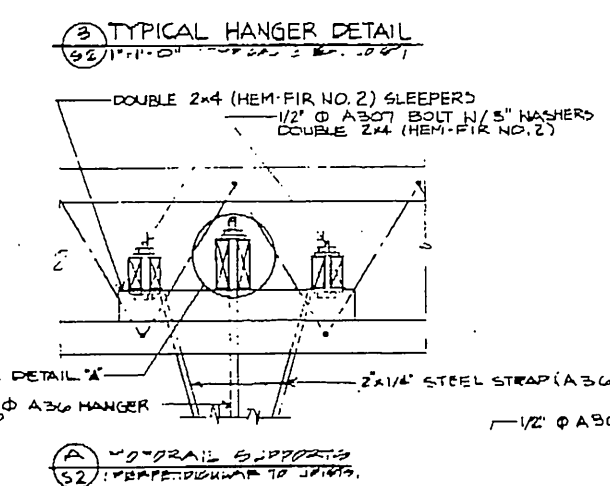
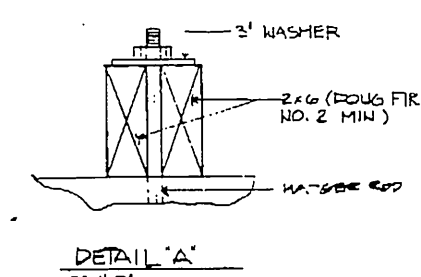
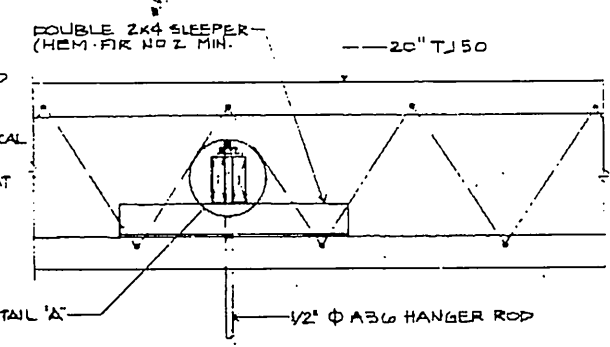
CHILLER AREA FOUNDATION PLAN (ADD. DET. NO. 2)
1/8"=1'-0"

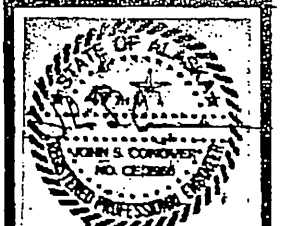


ROOF FRAMING PLAN
1/8"=1'-0"



- NOTES:
1. HANGER SPACING TO BE DETERMINED BY MANUFACTURER.
2. MAXIMUM DISTANCE BETWEEN ADJACENT HANGERS FOR MECHANICAL WALKWAY TO BE 6'-0".
3. SEE ARCH. FOR HANGER CONN. AT MONORAIL.





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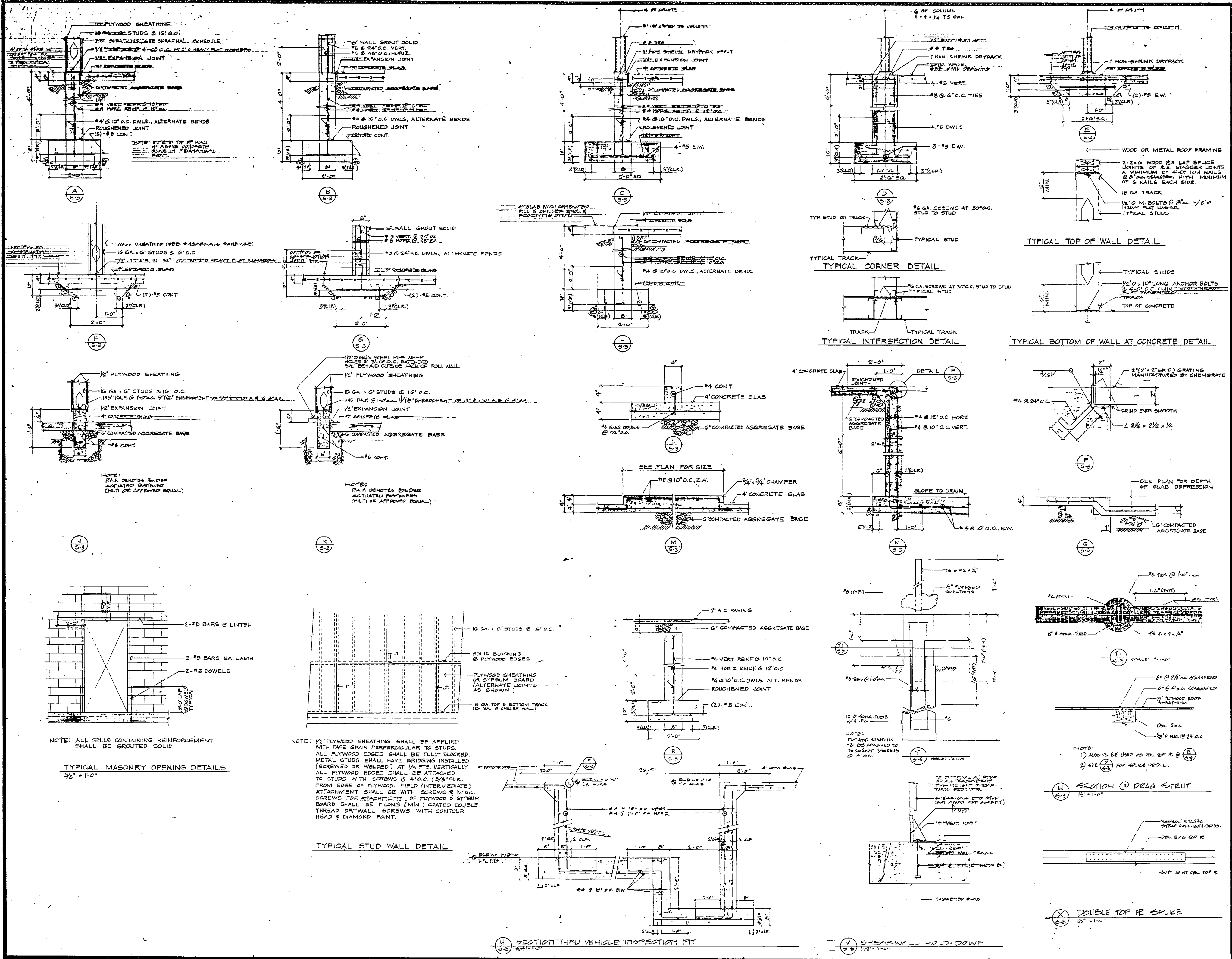
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 BUILDINGS AND MATERIALS SECTION
 PROJECT NUMBER 83-9003.01

ROOF FRAMING PLAN

S-2

DATE: 7/18/88





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 DIVISION OF DESIGN AND CONSTRUCTION
 PROJECT NUMBER X-10023

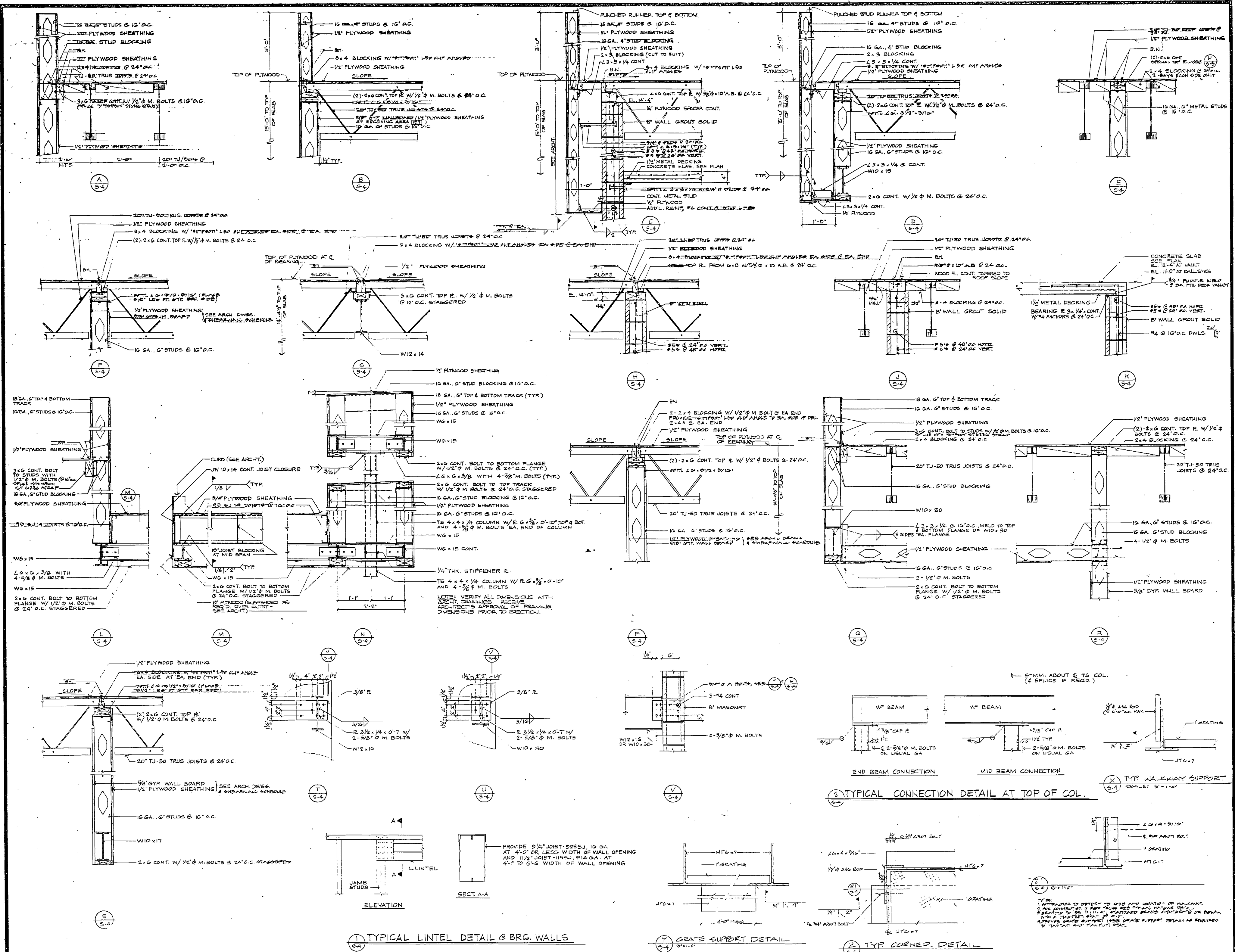
DETAILS

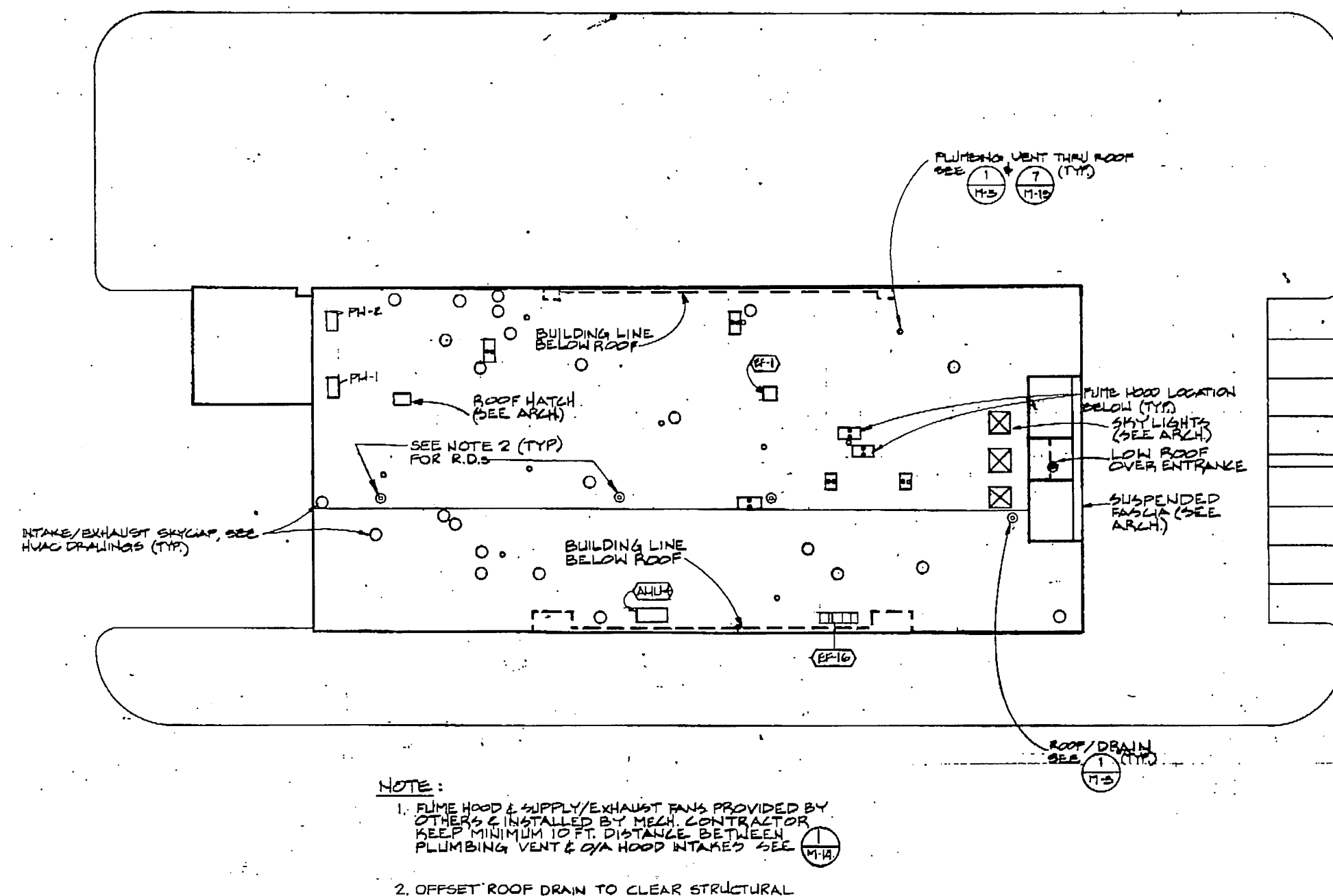
JOB NO. 83.9003.01

S-3

OF 4

DATE 7/13/84





1 ROOF/ SITE PLAN
SCALE: 1" = 20'



LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
---	LPS	LOW PRESSURE STEAM
---	CR	CONDENSATE RETURN
---	FOS	FUEL OIL SUPPLY
---	FOR	FUEL OIL RETURN
---	FOV	FUEL OIL VENT
---	A	COMPRESSED AIR
---	GHS	GLYCOL HEATING SUPPLY
---	GHR	GLYCOL HEATING RETURN
---	GWS	CHILLED WATER SUPPLY
---	GWR	CHILLED WATER RETURN
---	X	PIPE ANCHOR
---	E	PIPE GUIDE
---	W	WASTE
---	AW	ACID WASTE
---	V	PLUMBING VENT
---	AV	ACID VENT
---	CW	DOMESTIC COLD WATER
---	HW	DOMESTIC HOT WATER
---	HWR	DOMESTIC HOT WATER RECIRC
---	S	FIRE SPRINKLER
---	G	NATURAL GAS
---	U	UPRIGHT SPRINKLER HEAD
---	P	PENDENT SPRINKLER HEAD
---	S	SIDEWALL SPRINKLER HEAD
---	CD	CONDENSATE DRAIN
---	RL	RAIN LEADER
---	DRL	OVERFLOW RAIN LEADER
---	H	HYDROGEN
---	LA	LAB AIR
---	TW	TEMPERED WATER
---	HD	HOSE DIBB
---	HTD	HOSE THREAD DRAIN VALVE
---		GLOBE VALVE
---		CHECK VALVE
---		STOP COCK
---		GATE VALVE
---		BALL OR BUTTERFLY VALVE
---		BALANCING VALVE
---		AUTOMATIC FLOW CONTROL
---		AUTOMATIC VALVE - 2 WAY
---		AUTOMATIC VALVE - 3 WAY
---	PRV	PRESSURE RELIEF VALVE
---	AAV	AUTOMATIC AIR VENT
---	MAV	MANUAL AIR VENT
---		STRAINER
---	PR	PRESSURE REGULATOR
---	OSY	OUTSIDE SCREW & YONE GATE VALVE
---	F&T	FLOAT & THERMOSTATIC TRAP
---		PIPE TURNING UP
---		PIPE TURNING DOWN
---		TEE DOWN
---		TEE UP
---		UNION
---		FLEXIBLE CONNECTOR
---	CP	IN-LINE CIRCULATING PUMP
---	P	BASE MOUNTED CIRC PUMP
---	FLD	FUSIBLE LINK FIRE DAMPER
---	MDA	MOTORIZED DAMPER ASSEMBLY
---	AHU	AIR HANDLING UNIT
---		TURN VALVES
---	VD	VOLUME DAMPER
---		NITROGEN
---	VTR	VENT TO ROOF

NOTE: SEE DWG. M-17 FOR DUCT CONSTRUCTION DETAIL & LEGEND CONTINUATION.



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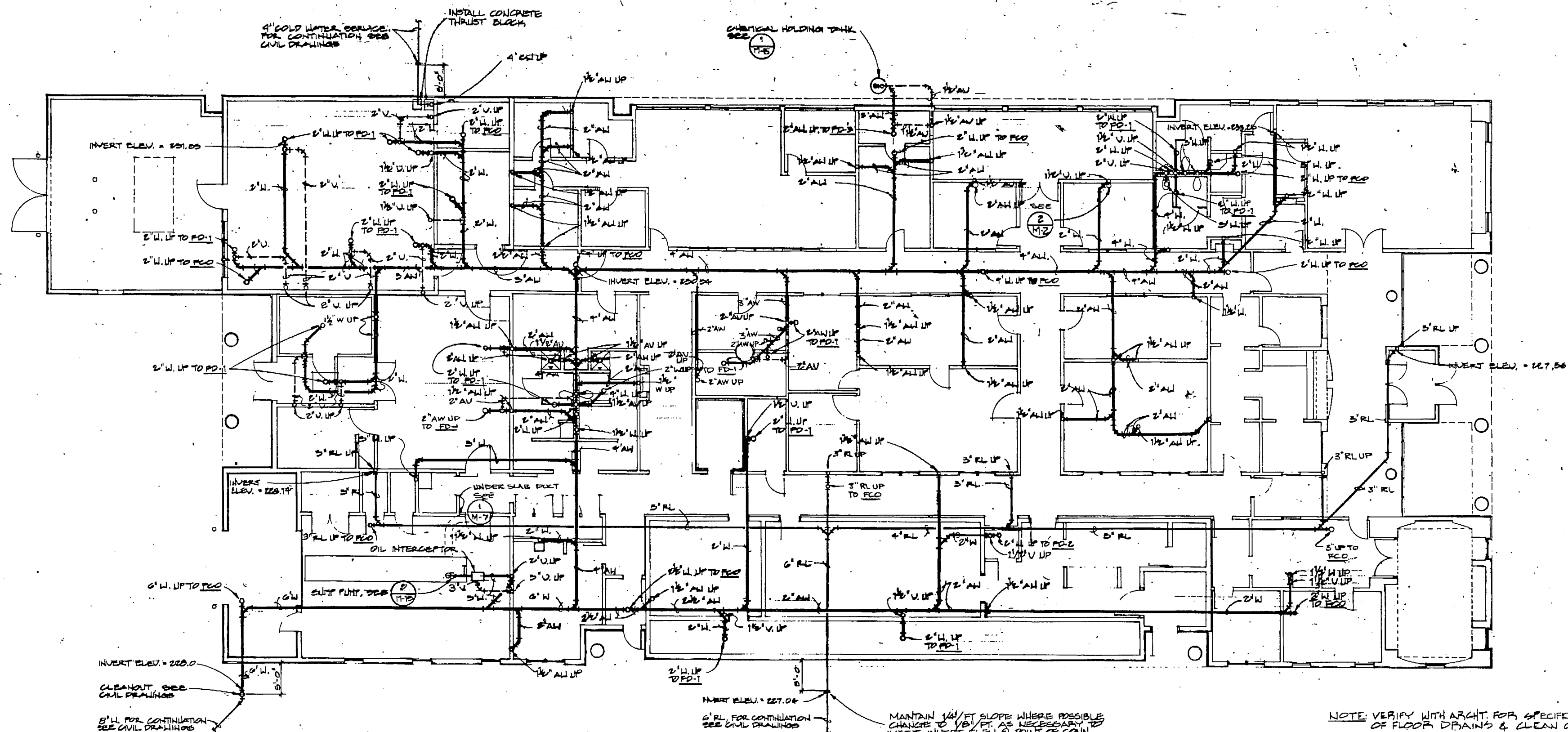
KEI Ketchikan, Alaska
REGISTERED PROFESSIONAL ENGINEER
NO. 12345
EXPIRATION DATE 12/31/2024

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ROOF/SITE PLAN & LEGEND

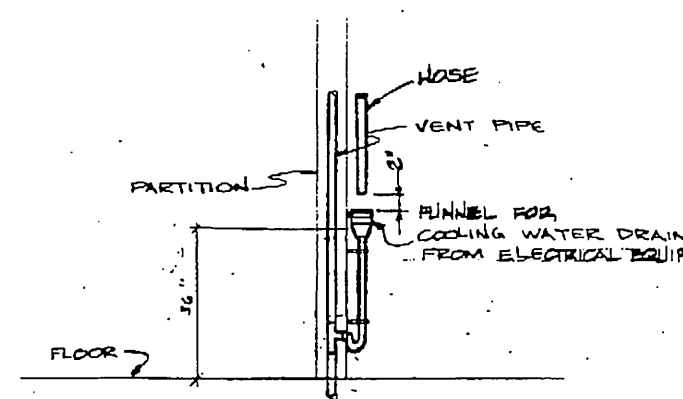
JOB NO. 83-70

M1
OF 18
DATE 13 JULY 84

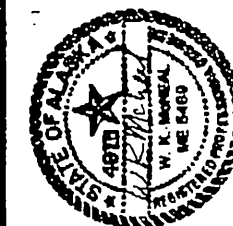


NOTE: VERIFY WITH ARCHT. FOR SPECIFIC LOCATION OF FLOOR DRAINS & CLEAN OUTS.

1 UNDERGROUND PLAN - PLUMBING
SCALE: 1/8" = 1'-0"



2 STEM DRAIN DETAIL
SCALE: NONE



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Anchorage, Alaska 99501
PROJECT NUMBER: 13-0039

UNDER SLAB PLAN-SANITARY
& STORMDRAINAGE

JOB NO. 63-70

M2
OF 13

DATE: 13 JULY 89



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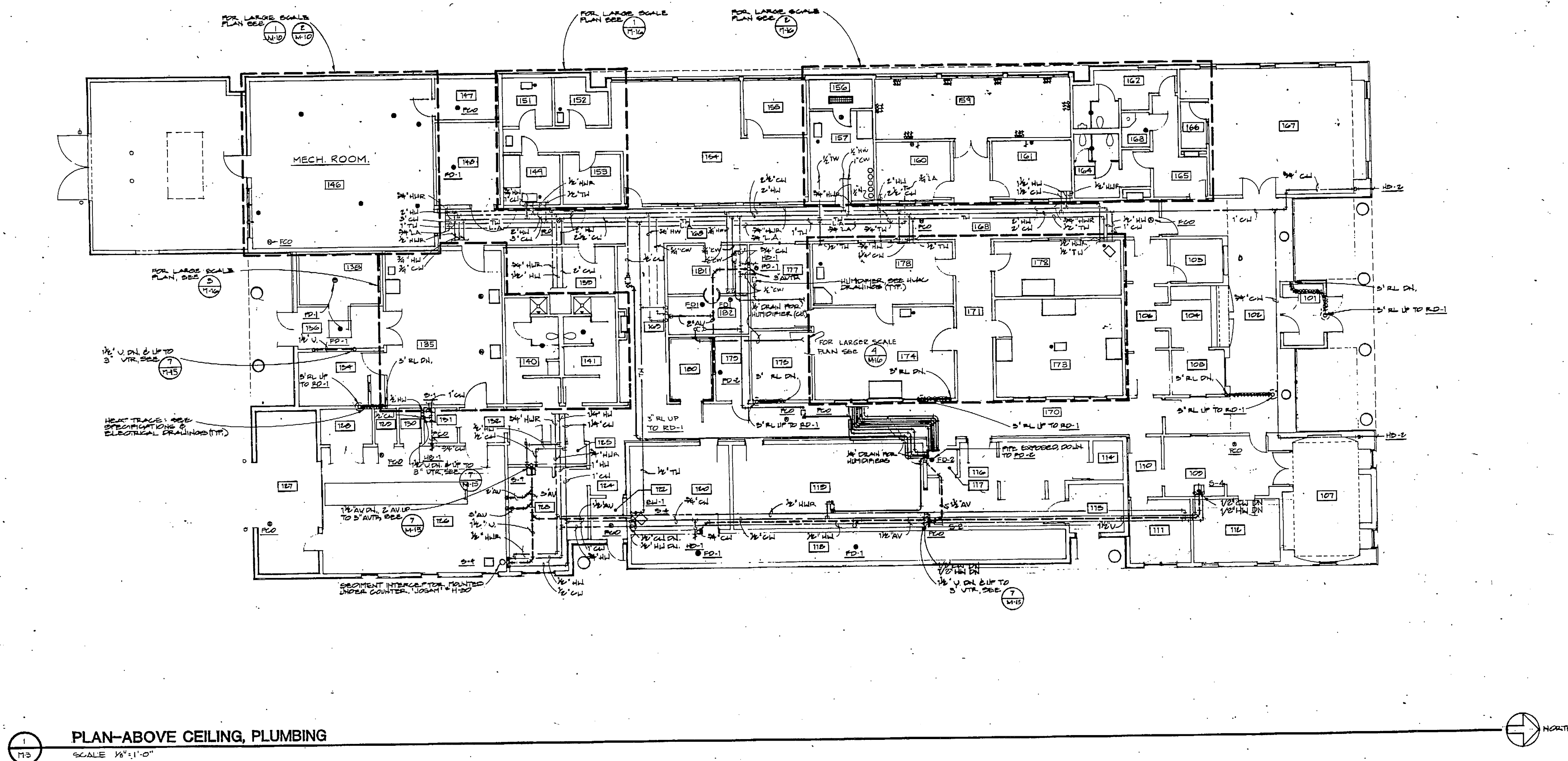
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DESIGN GROUP I - CENTRAL REGION
PROJECT NUMBER 3-10023

ABOVE CEILING PLAN
PLUMBING, STORM,
SPECIAL GAS PIPING

JOB NO. 83-70

M 3

OF 18
DATE 13-JULY 84



GENERAL NOTE:
1. ALL EXPOSED WASTE AND HOT WATER PIPING UNDER LAVATORIES IN HANDICAPPED ACCESS AREAS SHALL BE INSULATED PER APPLICABLE CODES.



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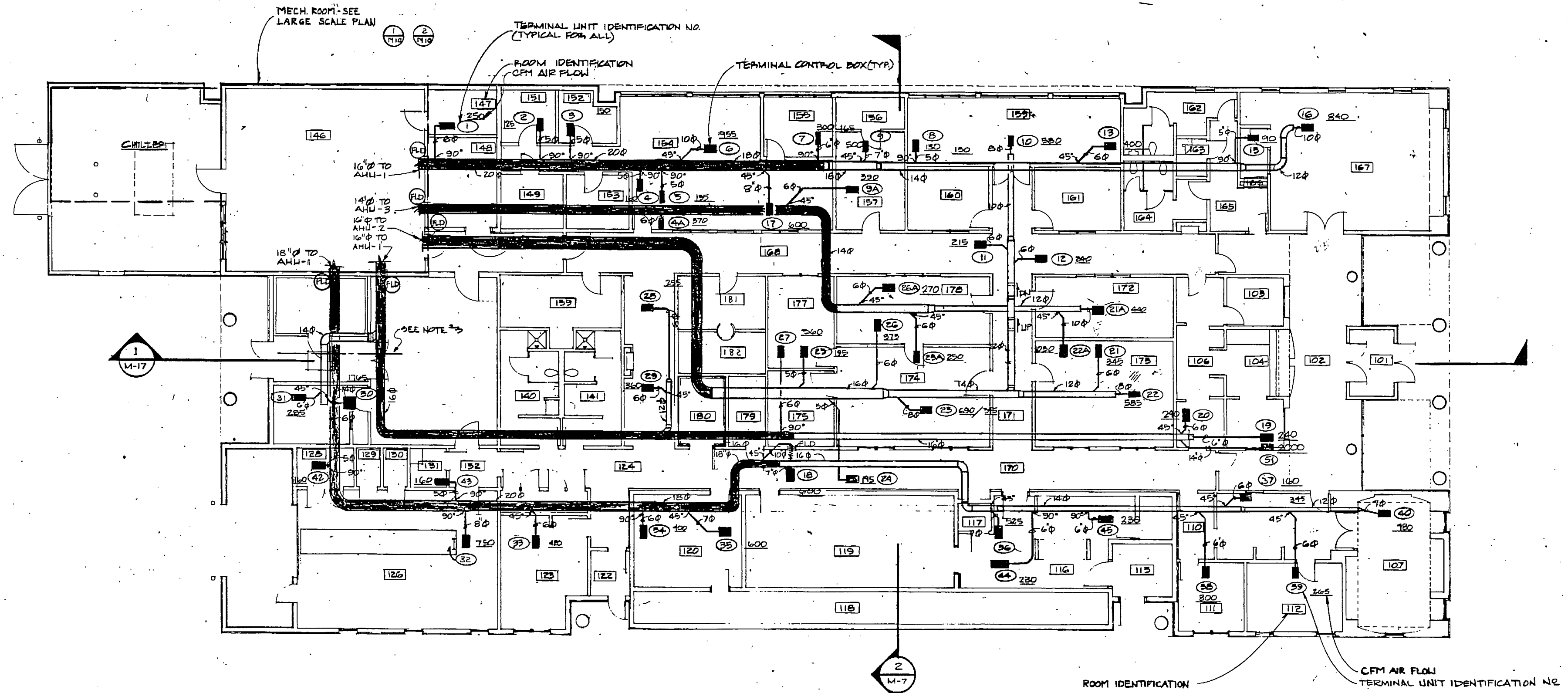
KEI
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DIVISION OF GROUP 1 - CENTRAL REGION
DESIGN PROJECT NUMBER 83-70

FLOOR PLAN-SUPPLY
DUCTWORK MAINS

JOB NO. 83-70

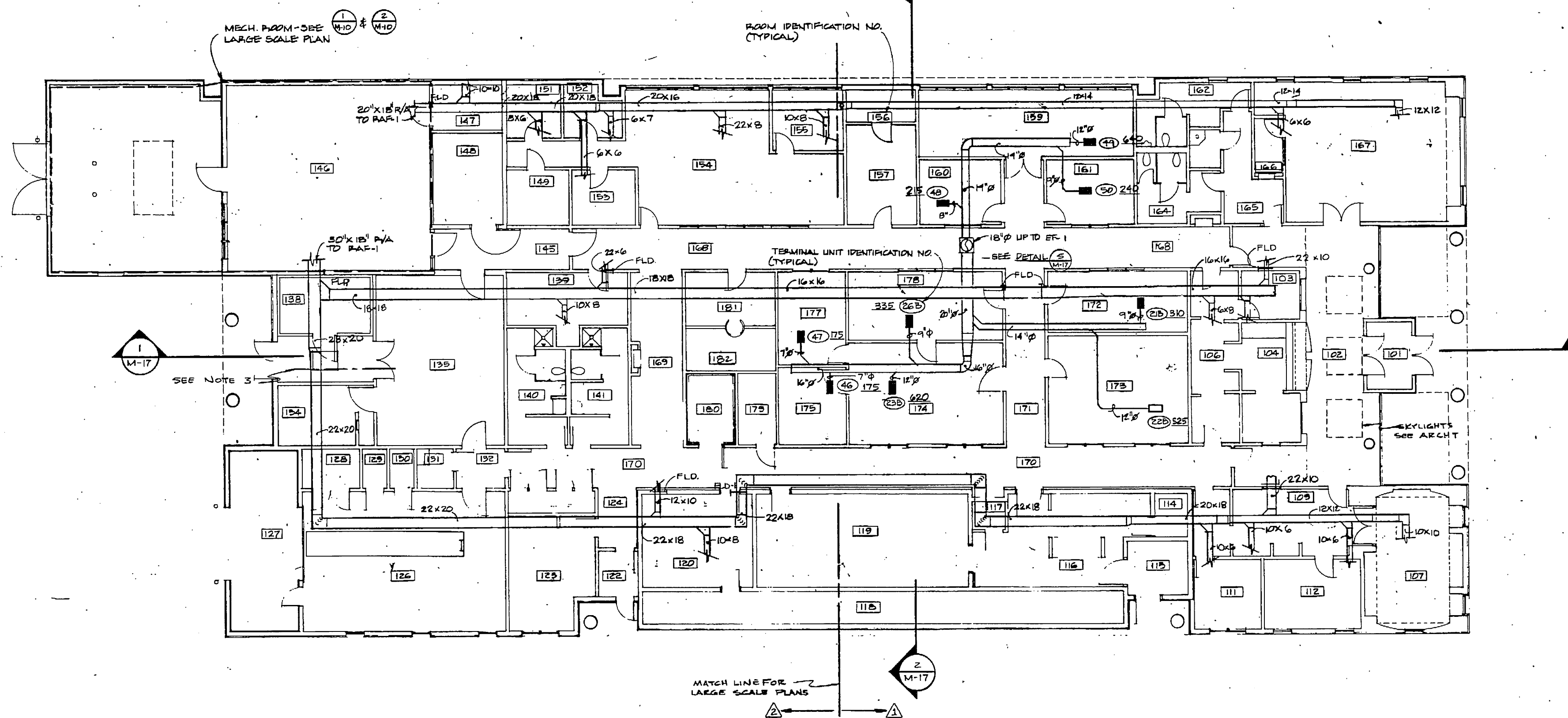
M4
OF 18
DATE 13 JULY 84



1 FLOOR PLAN - SUPPLY DUCTWORK MAINS
M-4 1/8" = 1'-0"

SHEET NOTES

1. SEE **1** FOR LARGE SCALE AIR DISTRIBUTION NORTH HALF
 2. SEE **1** FOR LARGE SCALE AIR DISTRIBUTION SOUTH HALF
- NOTE: DUCT SIZES ARE NET FREE AREA I.D.
ACTUAL DUCT SIZE IS LARGER WHEN
LINED WITH SOUND ATTENUATION LINER.
- DUCT LINED WITH SOUND ATTENUATION LINER
3. COORDINATE DUCTS LOCATION WITH MONORAIL
HANGER RODS AT THIS LOCATION



SHEET NOTES

- 1 SEE  FOR LARGE SCALE AIR DISTRIBUTION NORTH HALF
- 2 SEE  FOR LARGE SCALE AIR DISTRIBUTION SOUTH HALF
- 3 COORDINATE DUCTS LOCATION WITH MONORAIL HANGERS ROOFS AT THIS LOCATION

 **FLOOR PLAN - RETURN & EXHAUST DUCTWORK MAINS**  NORTH



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DIVISION OF CRIME AND CONSTRUCTION
DESIGN GROUP 1 - CRIMINAL REGION
PROJECT NUMBER 1-1000

FLOOR PLAN-RETURN &
EXHAUST DUCTWORK MAINS

JOB NO. 83-70

M 5

OF 18
DATE 13 JULY 84



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DIVISION OF DESIGN AND CONSTRUCTION
DESIGN
PROJECT NUMBER X-10023

FLOOR PLAN-AIR
DISTRIBUTION NORTH HALF

JOB NO. 83-70

M6

OF 18

DATE 13 JULY 84

MATCH LINE SEE SHEET M-7 FOR CONTINUATION

GENERAL NOTES

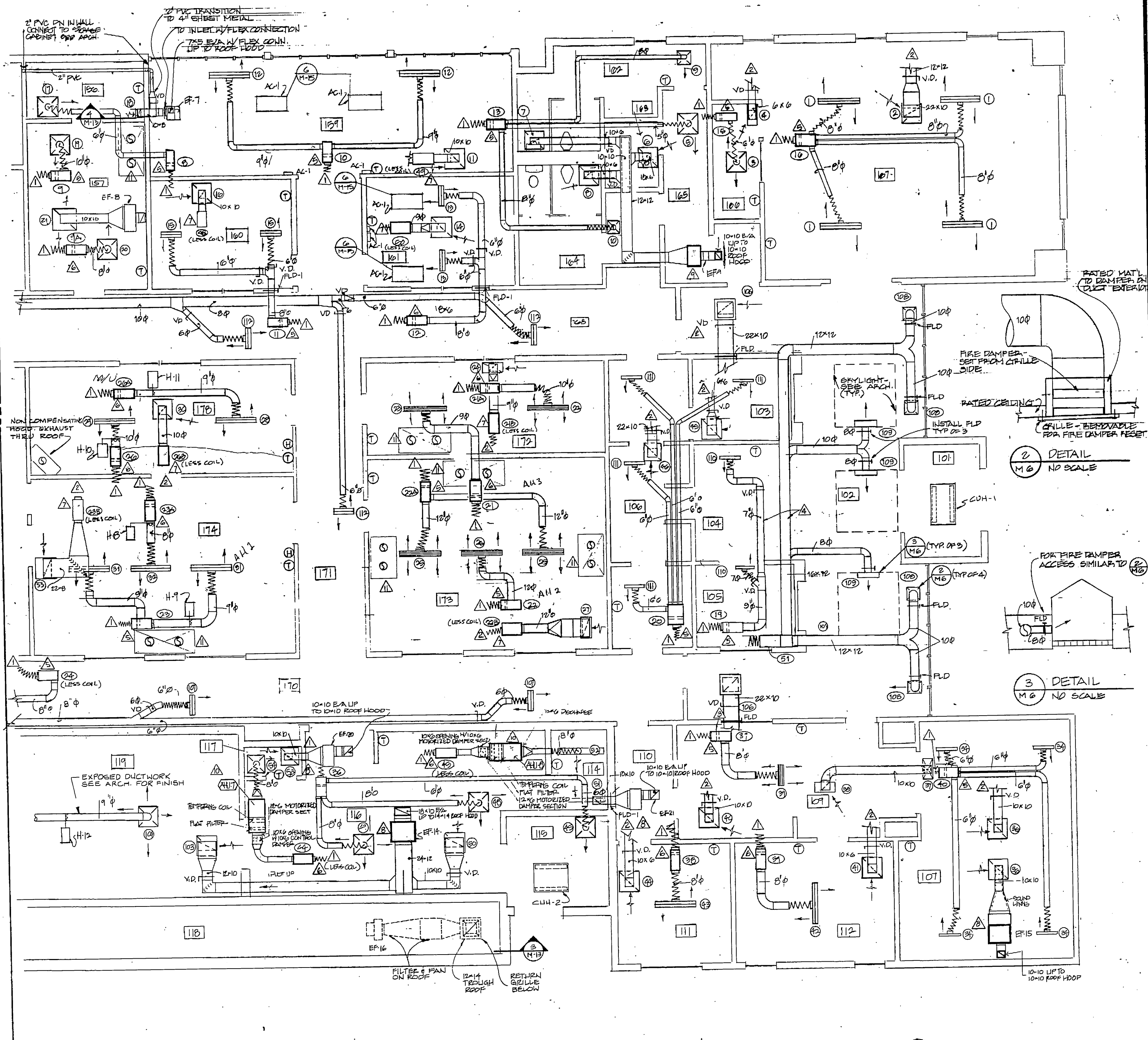
- ROOMS # 160, 161, 177 SHALL HAVE HALON FIRE PROTECTION SYSTEM. PROVIDE MOTORIZED TYPE FIRE DAMPERS IN C/A, S/A, & RETURN AIR DUCTS SERVING THOSE ROOMS AS REQUIRED TO COMPLY WITH NFPA & UBC CODES. DAMPERS WILL CLOSE UPON ACTIVATION OF THE HALON SYSTEM.
- DIFFUSERS, GRILLES, REGISTERS ARE SHOWN IN APPROX LOCATION; SEE ARCH. REFLECTED CEILING PLANS FOR EXACT LOCATIONS.

SHEET NOTES

- SEE (M-4) FOR SUPPLY DUCTWORK MAINS
- SEE (M-5) FOR RETURN & EXHAUST DUCTWORK MAINS
- SEE (M-6) FOR TERMINAL UNIT HYDRONIC PIPING
- SEE (M-7) FOR DUCT CONSTRUCTION DETAILS
- SEE (M-8) SUPPLY AIR TERMINAL REHEAT BOX DETAIL
- SEE (M-9) SUPPLY AIR TERMINAL REHEAT BOX DETAIL
- SEE (M-10) EXHAUST AIR TERMINAL BOX DETAIL
- SEE (M-11) CABINET EXHAUST FAN DETAIL
- SEE (M-12) UTILITY EXHAUST FAN DETAIL
- SEE (M-13) AIR HANDOVER INSULATION DETAIL
- SEE (M-14) FUME HOOD CONNECTION DETAIL

72" FOR CONTROL DIAGRAMS SEE SHEET 11.

13" FOR PIPING DIAGRAMS SEE SHEET 12.



FLOOR PLAN AIR DISTRIBUTION NORTH HALF

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



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Ketchikan, Alaska
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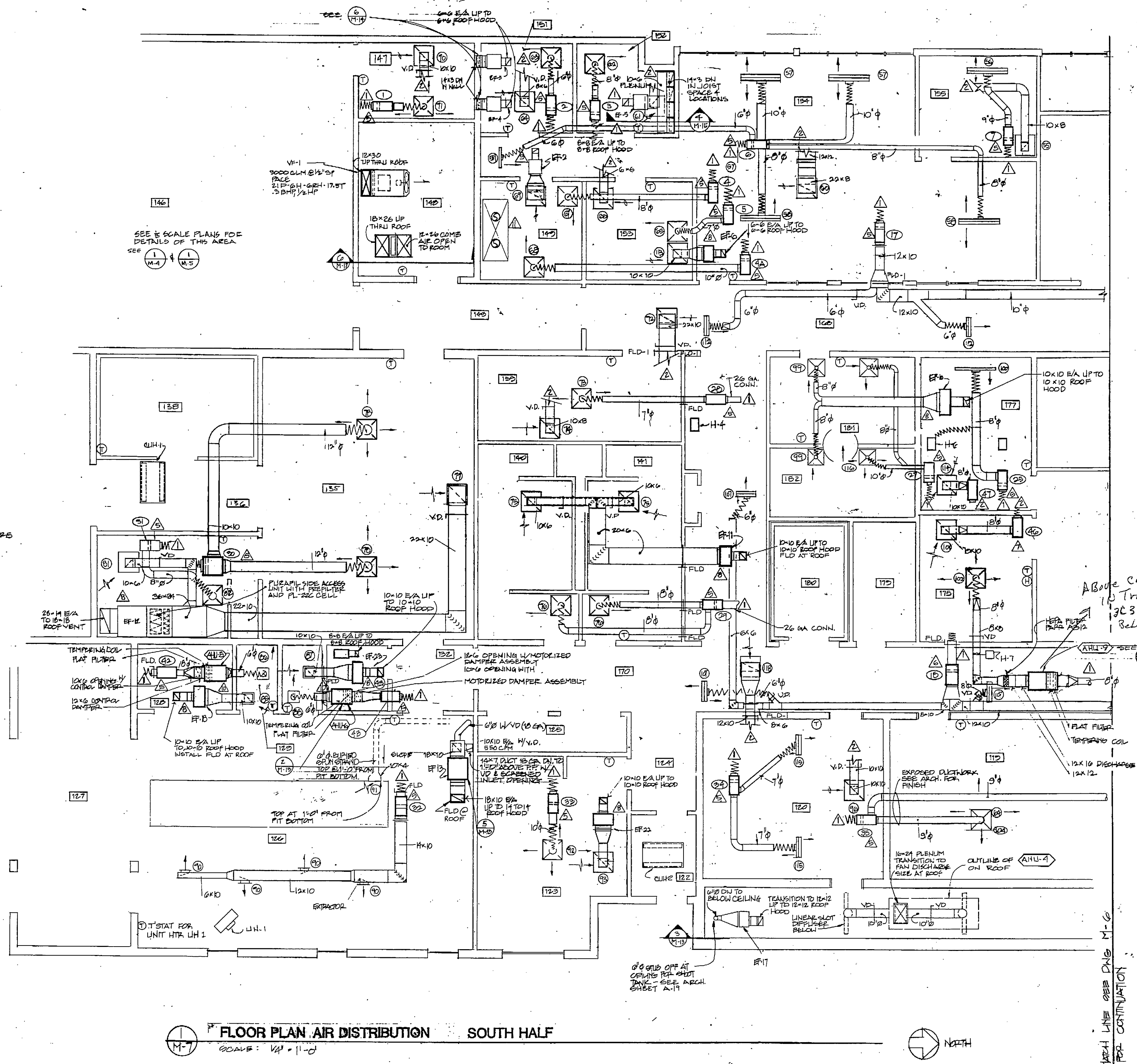
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DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER 1-10029

FLOOR PLAN AIR DISTRIBUTION
SOUTH HALF

JOB NO. 83-70

M7

DATE 13 JULY 84



GENERAL NOTES

- ROOMS # 160, 161, 177 SHALL HAVE HALON FIRE PROTECTION SYSTEM. PROVIDE MOTORIZED TYPE FIRE DAMPERS IN O/A, S/A & RETURN AIR DUCTS SERVING THOSE ROOMS AS REQUIRED TO COMPLY WITH NFPA & UBC CODES. DAMPERS WILL CLOSE UPON ACTIVATION OF THE HALON SYSTEM.
- ROOF MOUNTED O/A OR S/A HOOD IS PERMANENT. PROVIDE THE HOOD TO MATCH CFM CAPACITY OF THE FAN.
- DIFFUSERS, GRILLES, REGISTERS, ARE SHOWN IN APPROX. LOCATION; SEE ARCH. REFLECTED CEILING PLANS FOR EXACT LOCATION.
- PROVIDE FIRE DAMPERS ON ALL DUCTS CROSSING 1 HR. SEPARATION IN THIS AREA. SEE ARCH. PLAN FOR REFERENCE, ROOM 123, 129, 130 AND 126.

SHEET NOTES

- SEE M-4 FOR SUPPLY DUCTWORK MAINS
- SEE M-5 FOR RETURN & EXHAUST DUCTWORK MAINS
- SEE M-6 FOR TERMINAL UNIT HYDRO-PNEUMATIC
- SEE M-7 FOR DUCT CONSTRUCTION DETAILS
- SEE M-8 SUPPLY AIR TERMINAL REHEAT BOX DETAIL
- SEE M-9 EXHAUST AIR TERMINAL BOX DETAIL
- SEE M-10 CABINET EXHAUST FAN DETAIL
- SEE M-11 UTILITY EXHAUST FAN DETAIL
- SEE M-12 AIR HANDLER INSULATION DETAIL
- SEE M-13 FUME HOOD CONNECTION DETAIL

- 12 FOR CONTROL DIAGRAMS SEE SHEET 11
- 13 FOR PIPING DIAGRAMS SEE SHEET 12

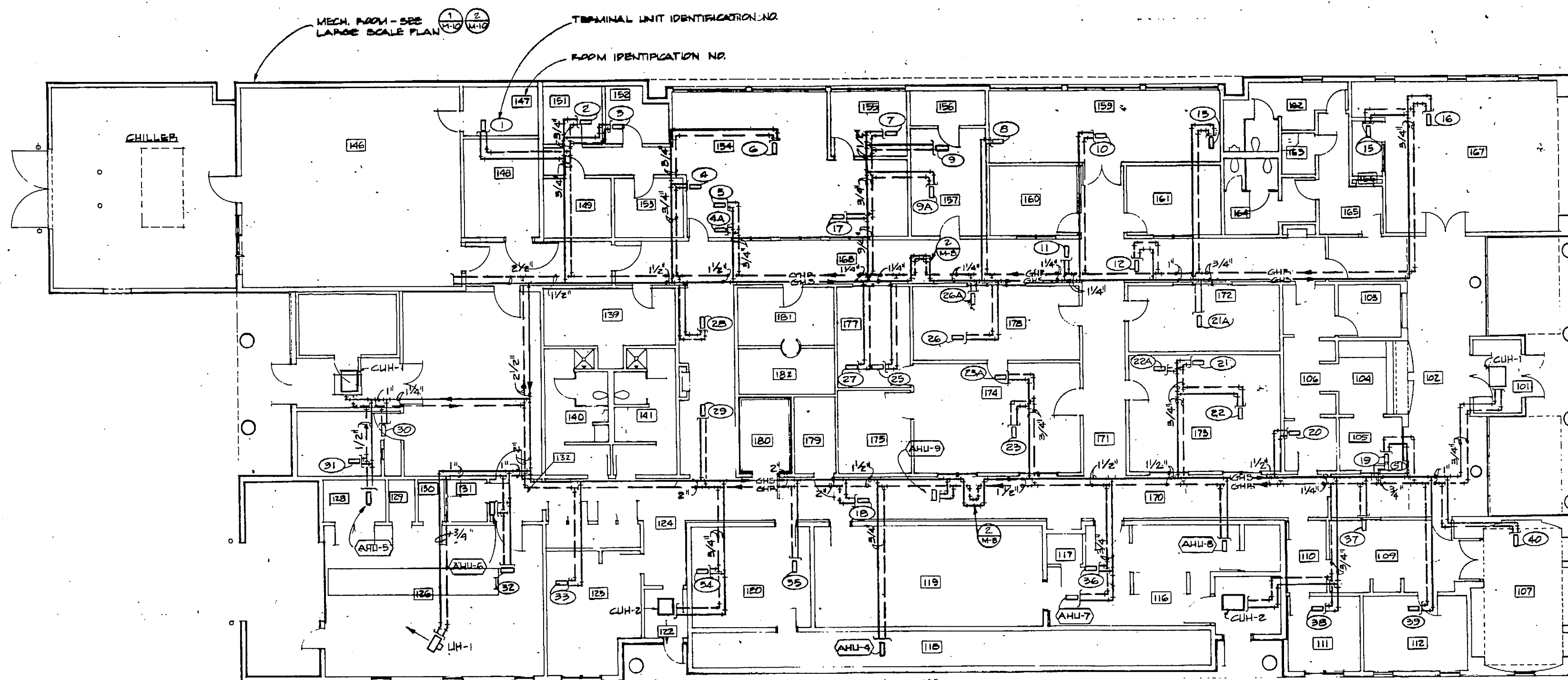


FLOOR PLAN AIR DISTRIBUTION SOUTH HALF

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

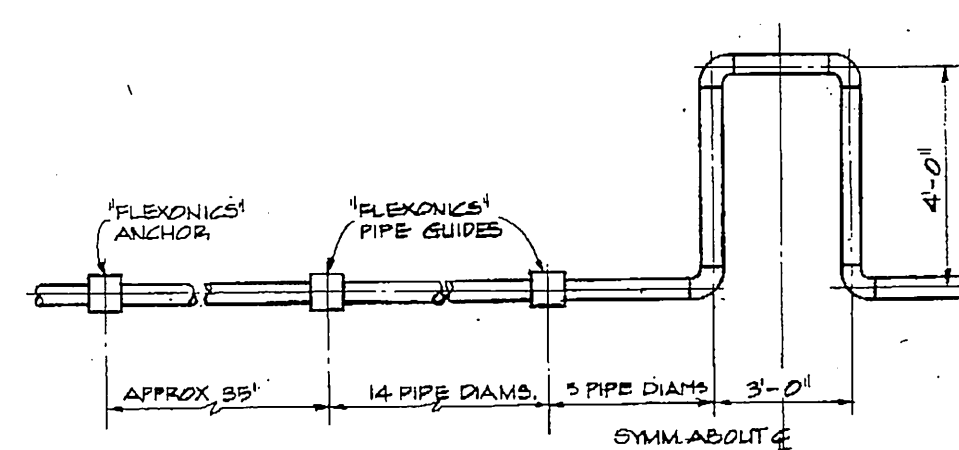


MARCH LINE SEE DWG. M-6
FOR CONTINUATION



NOTE: ONLY TERMINAL UNITS AND AHU'S WITH TEMPERING COIL SHOWN ON THIS PLAN.

1 FLOOR PLAN TERMINAL UNIT HYDRONIC PIPING
M-8 1/8" = 1'-0"



2 EXPANSION LOOP DETAIL
M-8 NO SCALE TYP. FOR SUPPLY & RETURN



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ANCHORAGE REGION
PROJECT NUMBER 1-1028

FLOOR PLAN-TERMINAL
UNIT HYDRONIC PIPING

JOB NO. 83-70

M8

DATE 13 JULY 84



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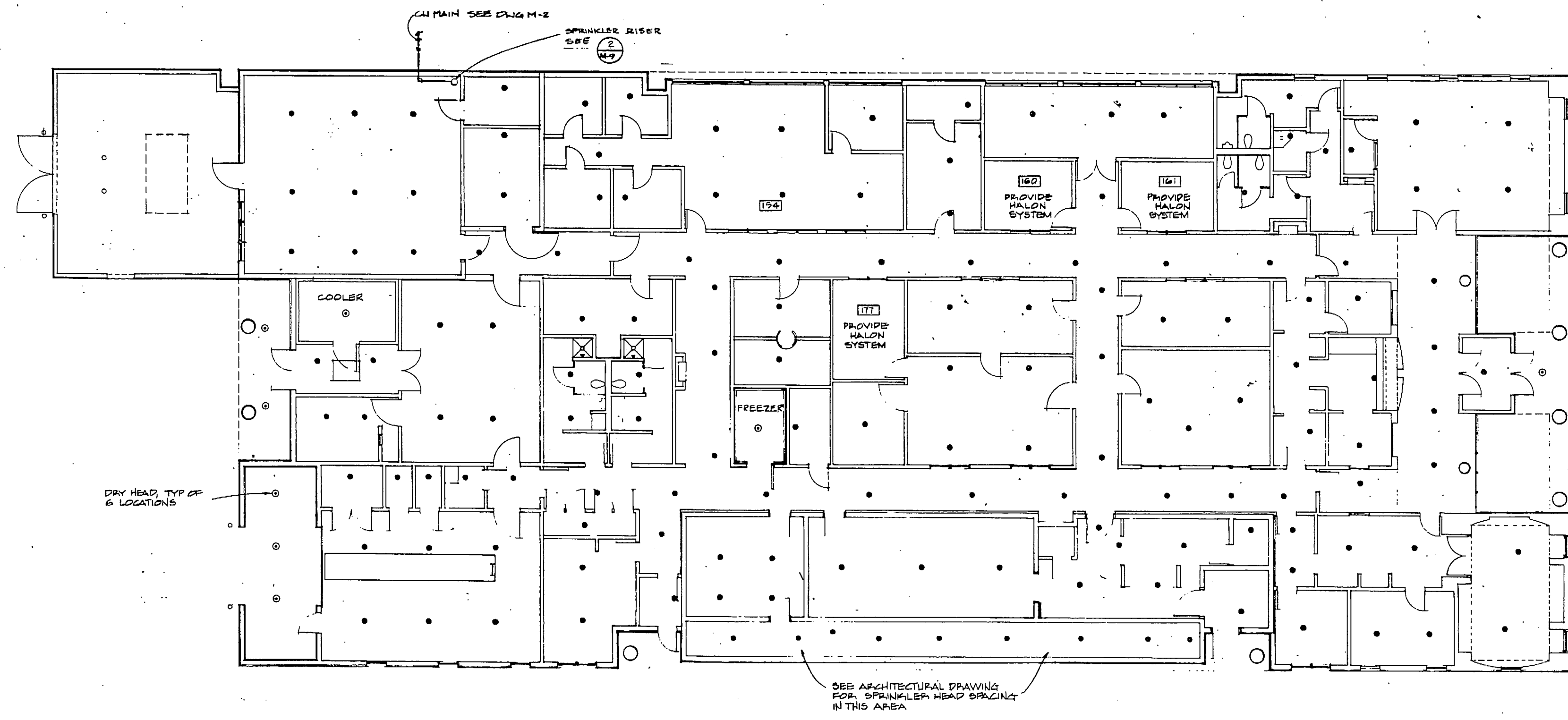
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DESIGN GROUP - CENTRAL REGION
PROJECT NUMBER 1-1008

FLOOR PLAN-FIRE
SPRINKLER SYSTEM

JOB NO. 83-70

M9

DATE 13 JULY 84



1 FLOOR PLAN - FIRE SPRINKLER SYSTEM
SCALE: 1/8" = 1'-0"
NORTH

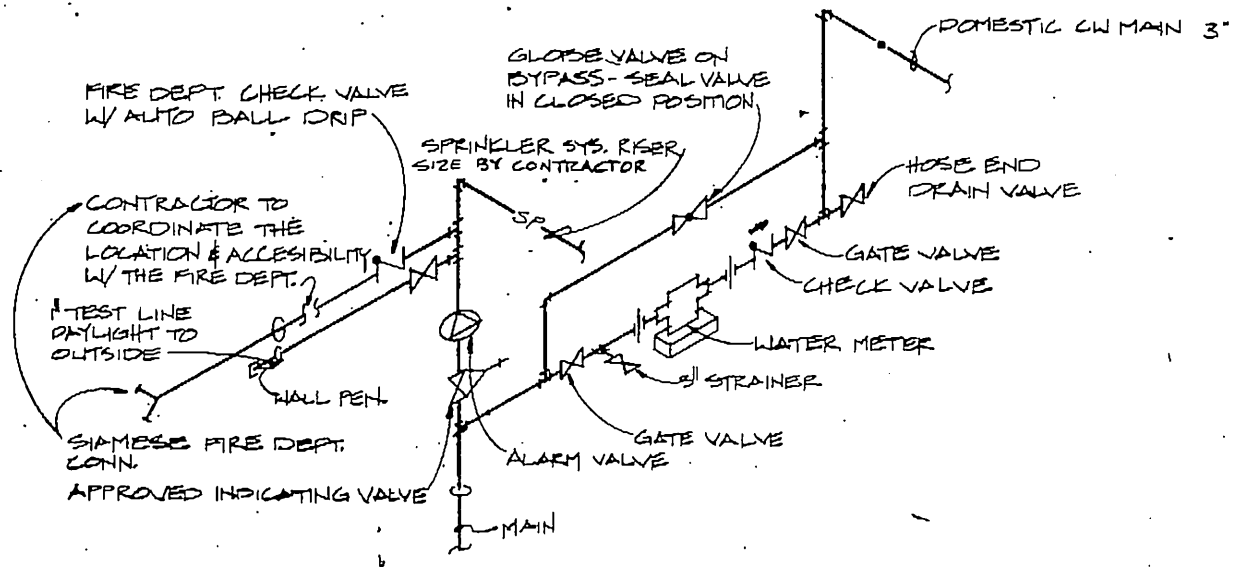
NOTES

1. ALL AREAS ARE LIGHT HAZARD EXCEPT AS NOTED BELOW:
ROOM NO. ORDINARY HAZARD
159 ORDINARY HAZARD
161 ORDINARY HAZARD
160 ORDINARY HAZARD
172 ORDINARY HAZARD
173 ORDINARY HAZARD
146 ORDINARY HAZARD
2. FURNISH SPRINKLER HEAD WITH A PROPER RATING FOR INCINERATOR AND BOILER ROOM.
3. SEE NOTE 1 SHEET M-7

LEGEND

- WET TYPE HEAD
- DRY TYPE HEAD

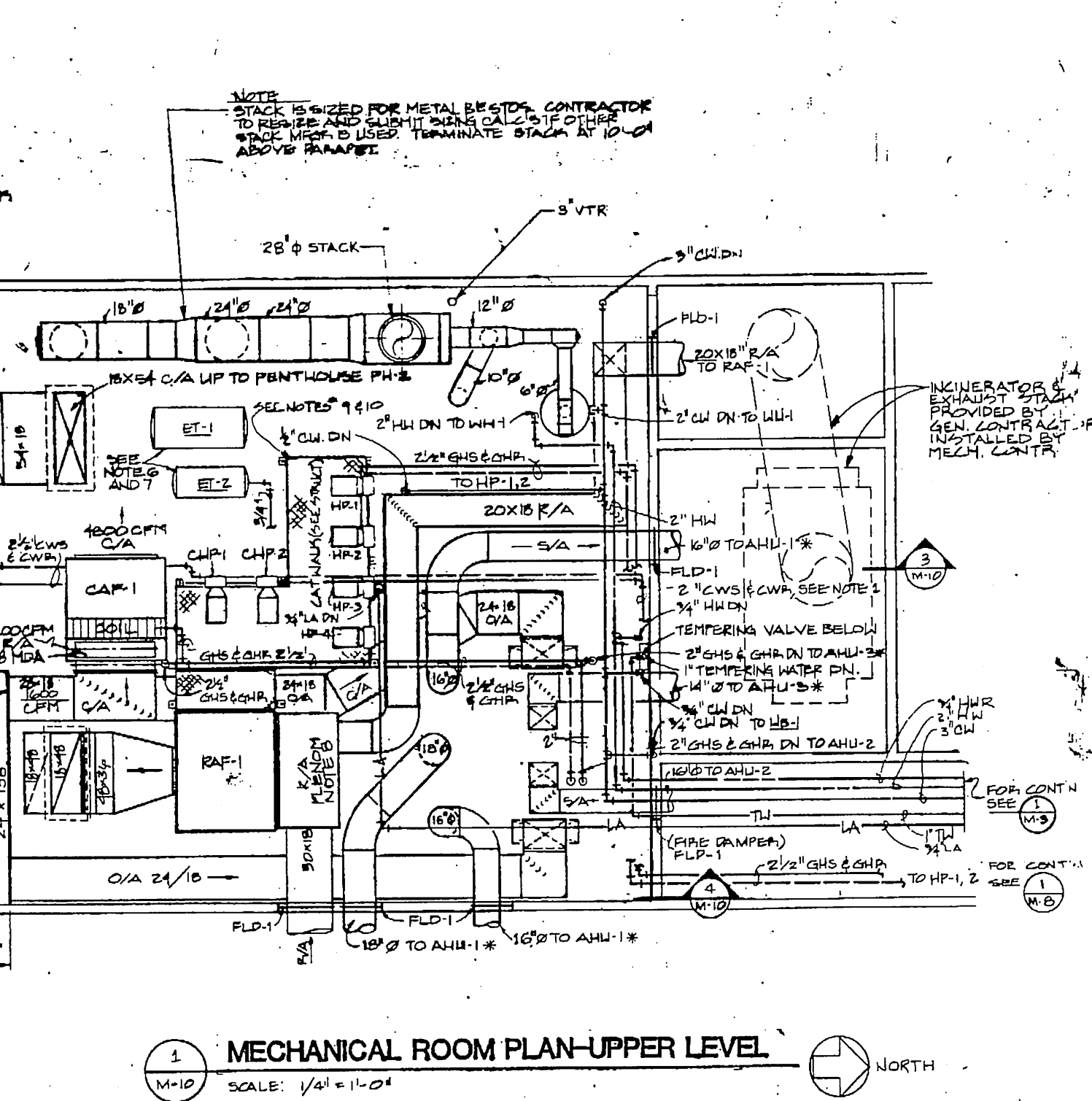
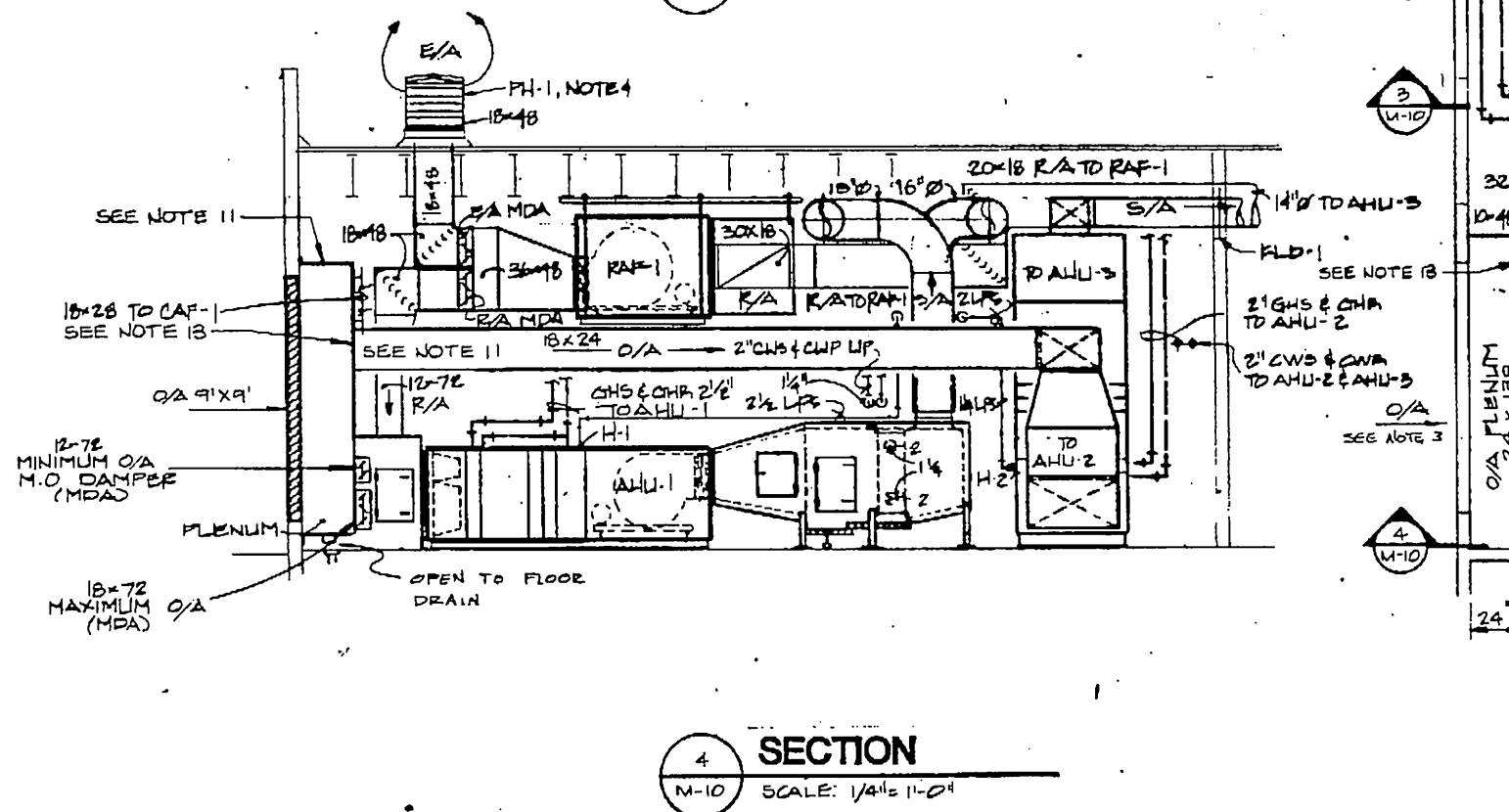
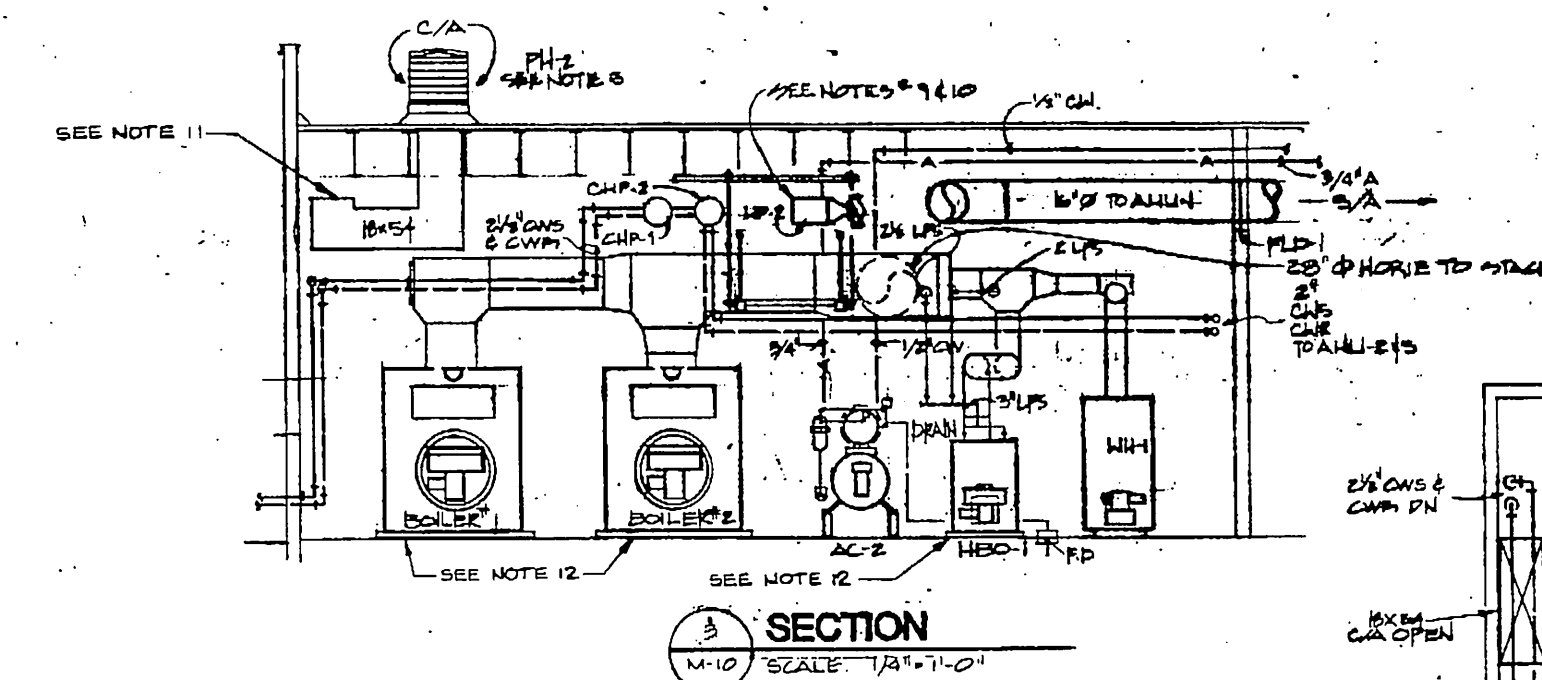
4. PROVIDE MANUAL OVERRIDE SWITCH TO CUT OFF THE HALON SYSTEM IN CASE OF ACCIDENTAL HALON DISCHARGE.



2 WATER SERVICE/SPRINKLER DETAIL
NO SCALE

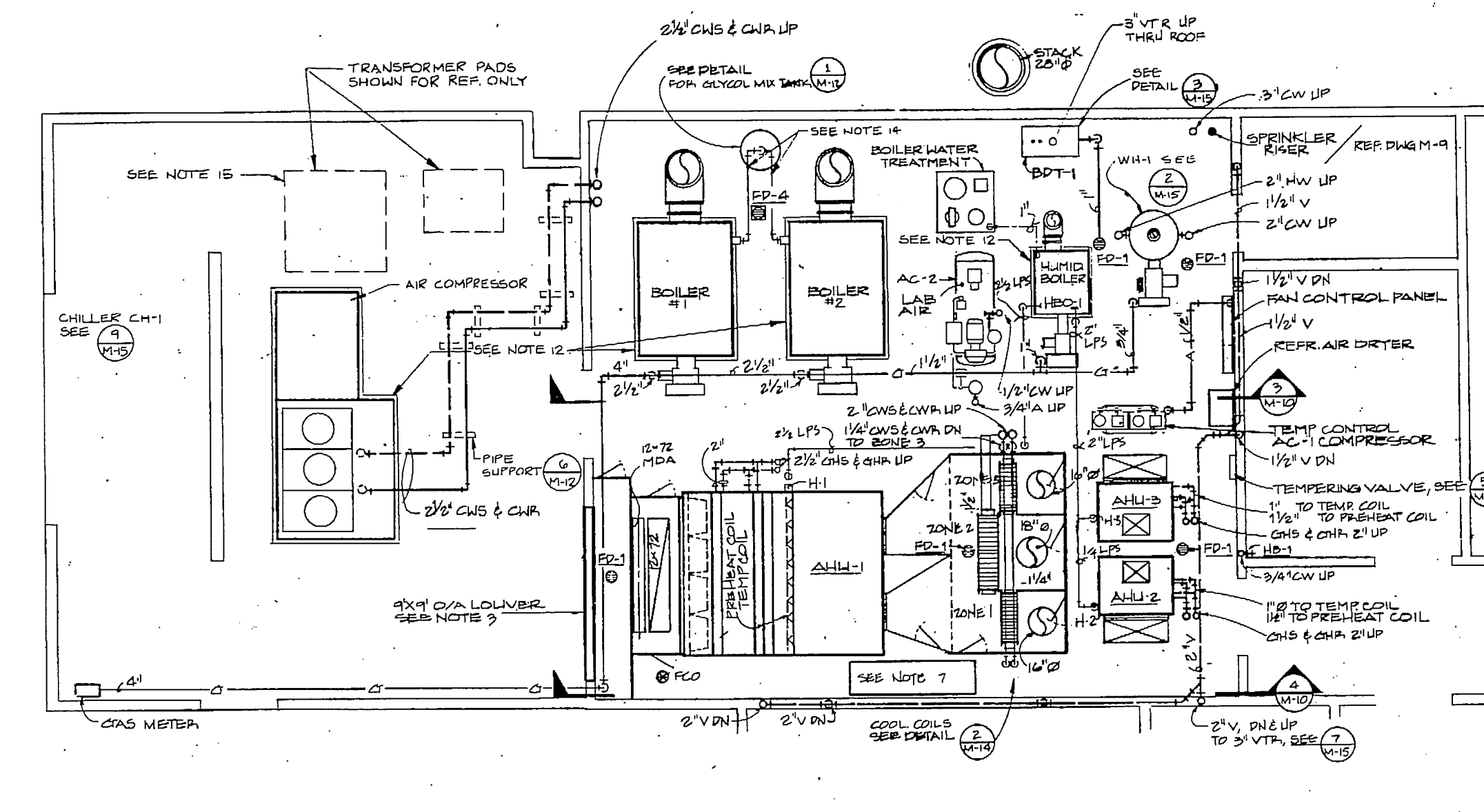
NOTES

- * SEE DWG. M-1 FOR CONTINUATION.
- SEE DWG. M-12 FOR PIPING DIAGRAMS OF HEATING, COOLING & HUMIDIFICATION SYSTEM.
- O/A LOUVER TO BE PROVIDED AS SPECIFIED ON ARCHITECT PLANS. MIN. 30% FREE AIR AREA.
- CH-1 IS 2" CARNES, MODEL P-411, 10" HIGH FREE AREA 50 FT. MIN. WITH BIRD SCREEN & MESH. MIN. 15 GALVANIZED STEEL.
- CH-2 IS 2" CARNES, MODEL P-411, 10" HIGH FREE AREA 100 SQ. FT. MIN. WITH BIRD SCREEN & MESH. MIN. 15 GALVANIZED STEEL.
- ET-1 & ET-2 TANKS TO BE SUSPENDED FROM STRUCT. TRUSSES. CONTRACTOR TO PROVIDE HANGERS & TANKS. SUBMIT SHOP DRAWINGS OF THE HANGER SYSTEM.
- FOR CLARITY DETAILED PIPING LAYOUTS OF CH-1, CH-2, CH-3, CH-4 AND OTHER PIPING SYSTEMS ARE NOT SHOWN ON THE PLAN. REF. TO NOTE 2.
- R/A PLENUM SHALL BE LINED WITH SOUND ATTENUATION LINER.
- CHILLED WATER & HEATING CIRCULATING PUMPS ARE NOT SUPPORTED BY THE CATWALK STRUCTURE. PUMPS ARE HUNG FROM CLG. BY MEANS OF PIPE HANGERS AS PER SPEC'S.
- USE A PORTABLE MAINTENANCE LADDER FOR AN ACCESS TO THE CATWALK PLATFORM.
- SEE SPEC'S FOR INSULATION APPLICATION. ALL DUCT INSULATION EXPOSED IN MECHANICAL ROOMS (AND FINISHED AREAS) TO BE COVERED WITH CANVAS JACKET ADHERED WITH LAGGING ADHESIVE.
- CONCRETE HOUSEKEEPING PADS. SEE STRUCTURAL FOR DETAILS.
- O/A DUCT 18"X24" TO AHU-3 CONNECTS TO O/A PLENUM IN SAME ELEVATION 18"X24" O/A DUCT TO AHU-2 AND IS LOCATED BELOW 28"X18" O/A DUCT TO CAF-1 FAN.
- ROUTE BOILER T&P RELIEF VALVE DISCHARGE LINES TO GLYCOL MIXING TANK.
- COORDINATE CHILLER PIPING WITH LOCATION OF TRANSFORMERS. ROUTE PIPING TO CLEAR TRANSFORMERS IN THIS AREA. REF. SHEET E-1.



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

MECHANICAL ROOM PLAN-UPPER LEVEL
SCALE: 1/4" = 1'-0"



MECHANICAL ROOM PLAN-GROUND LEVEL
SCALE: 1/4" = 1'-0"



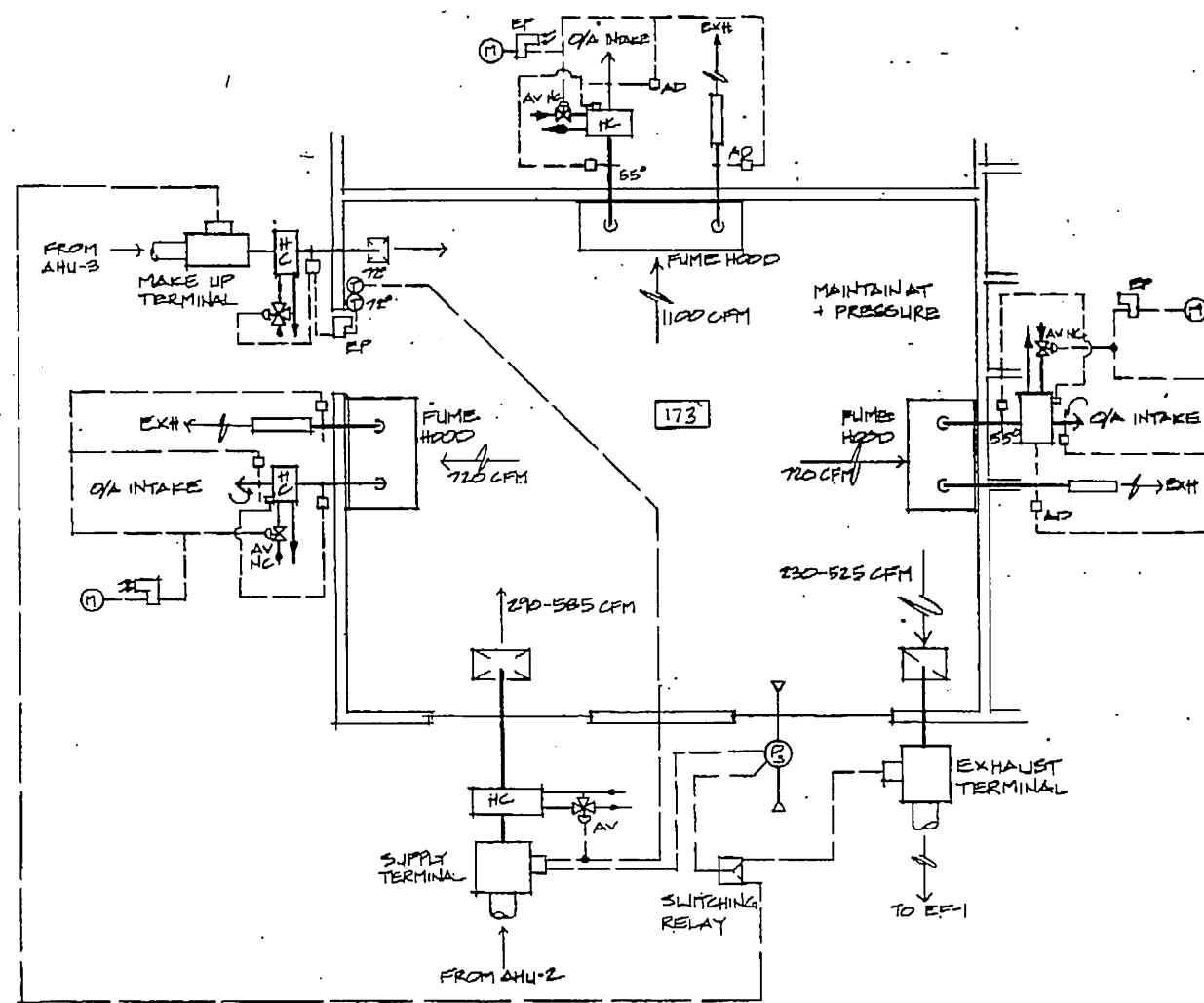
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Knutek Engineers, Inc.
310 SW KELLY AVE.
PORTLAND, OREGON 97201
(503) 221-3339

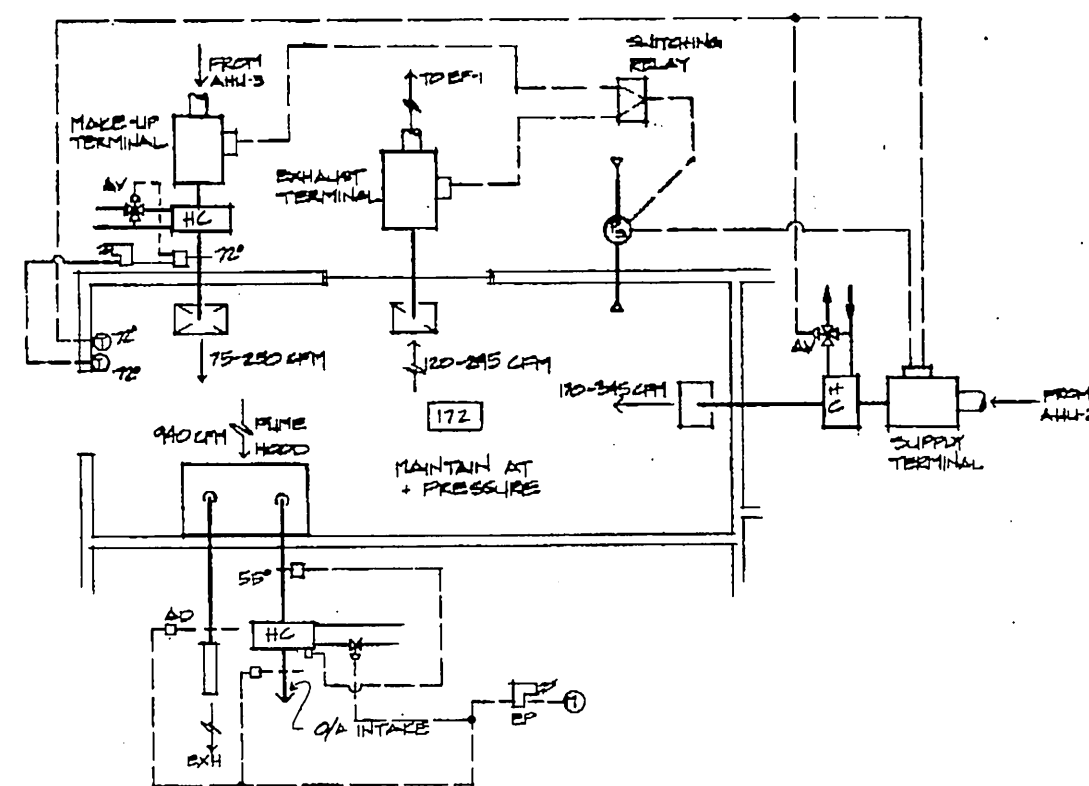
ANCHORAGE STATEWIDE
FORENSIC LABORATORY
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER A-1002

MECHANICAL ROOM
PLANS AND SECTIONS

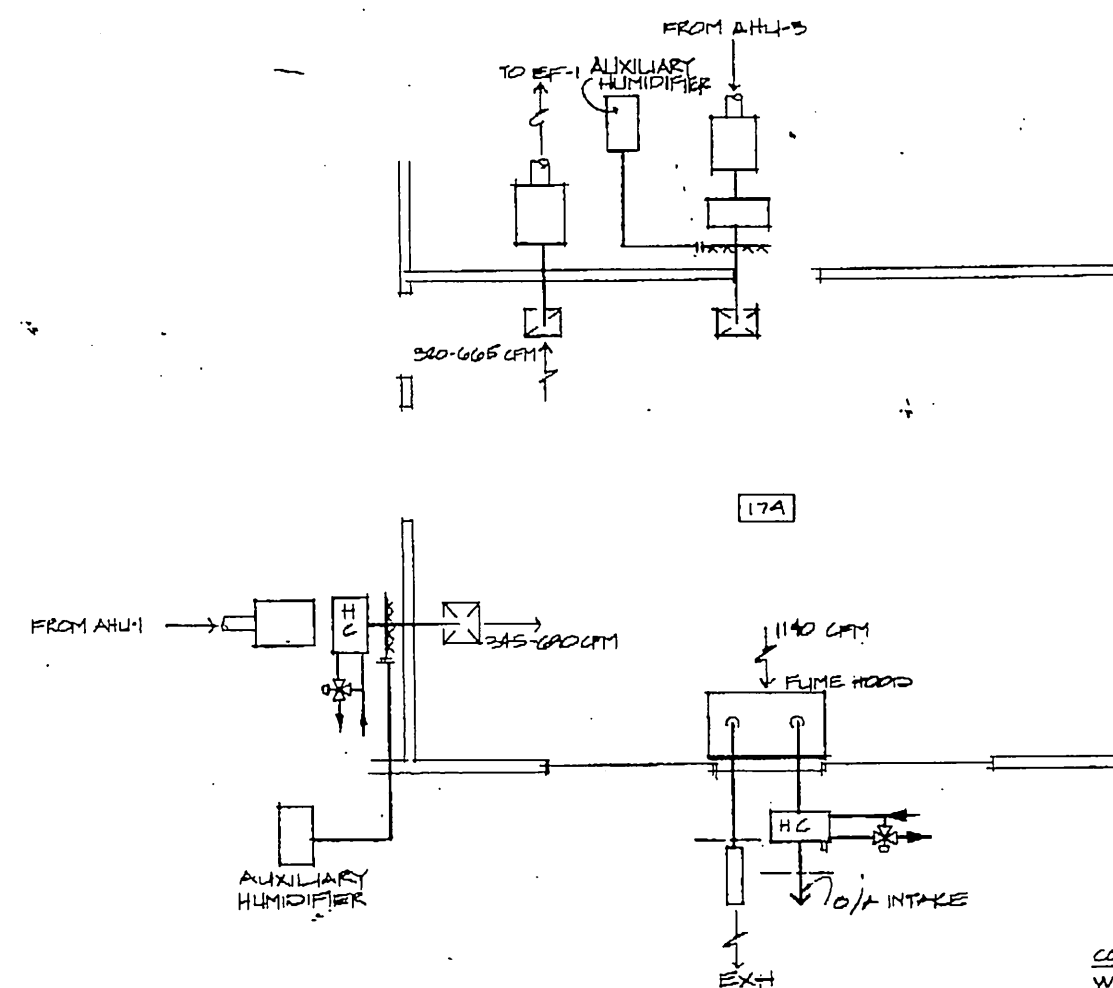
JOB NO. 83-70
M10
OF 19
DATE 13 JULY 84



1 DRUG ANALYSIS
M-11

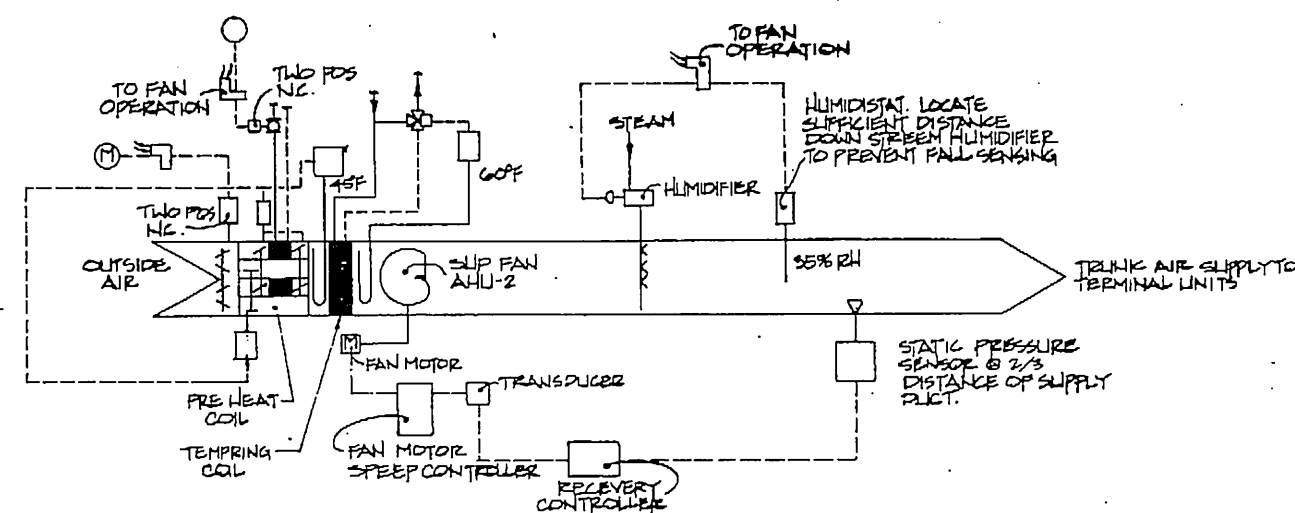


2 TOXICOLOGY
M-11



3 TRACE EVIDENCE
M-11 NO SCALE

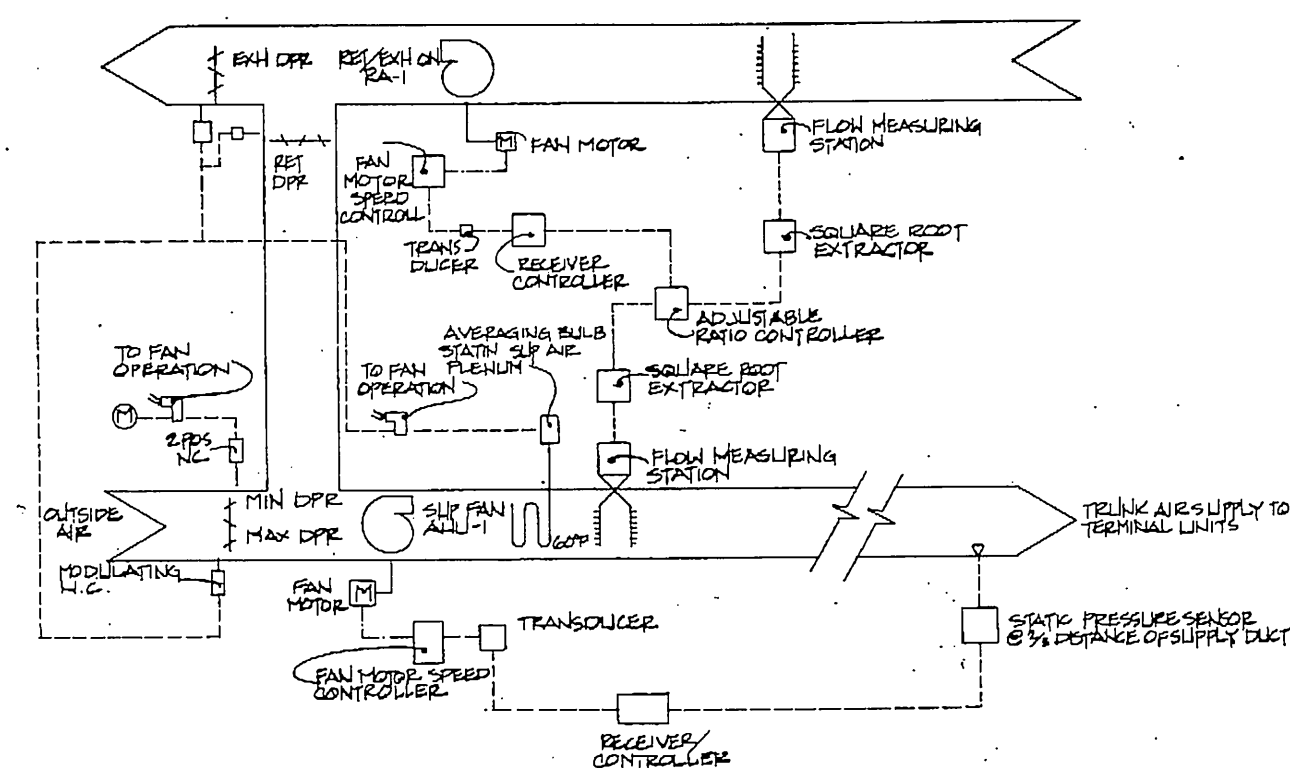
CONTROL SEQUENCE NOTE
WHEN E/A FUME HOOD COMES ON,
THE VAV SYSTEM E/A TERMINAL BOX
DECOUPLES FROM STATIC PRESSURE
CONTROLLER, AND ALLOWS MAKE UP
AIR BOX TO MAINTAIN THE DESIRED
STATIC PRESSURE IN THE ROOM



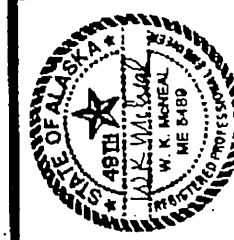
5 AIR HANDLING SYSTEM AHU-2
M-11 (AIR HANDLING SYSTEM AHU-3 IS INTERLOCKED WITH AHU-2 AND CONTROL SEQUENCES ARE SIMILAR)

NOTE:
OTHER SPACES WITH SIMILAR CONTROL SCHEMES
TO TOXICOLOGY DRUG ANALYSIS AND TRACE
EVIDENCE ARE:
GLASSWARE #157
MINUTY DRANTS #141
SEROLOGY #170

NOTE:
TEMPERATURE CONTROL DIAGRAMS ARE INTENDED
ONLY AS SUPPLEMENTAL INFORMATION TO THE
CONTROL SEQUENCES OF THE SPECIFICATIONS. NUMBER
OF AND TYPE OF CONTROL DEVICES SHOWN
ON SCHEMATICS DO NOT NECESSARILY INDICATE
THE EXTENT OF THE CONTROL SYSTEM REQUIRED.



4 AIR HANDLING SYSTEM AHU-1
M-11 (PRE-HEAT & TEMPER COIL CONTROL NOT SHOWN, SIMILAR TO THAT SHOWN ON AHU-2 SCHEMATIC)



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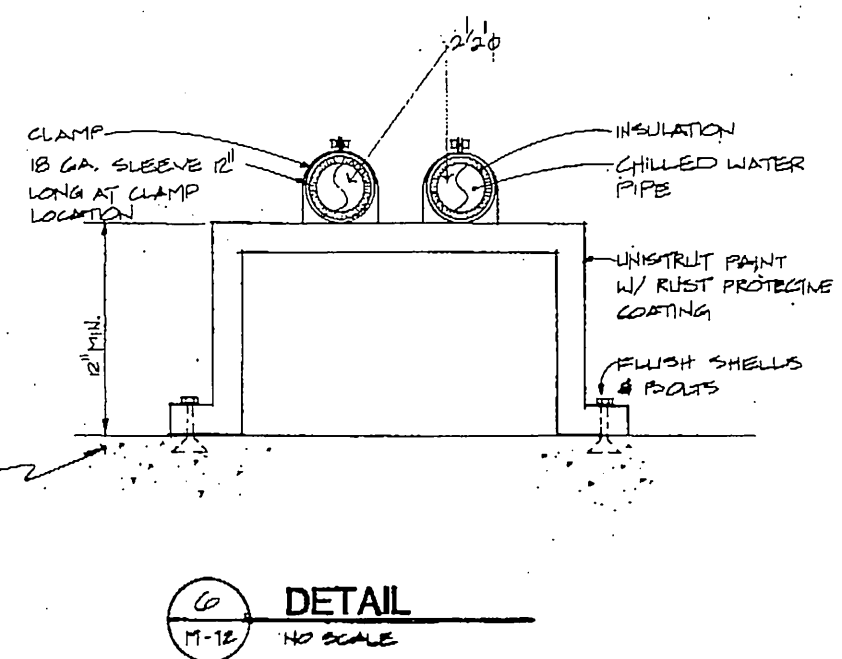
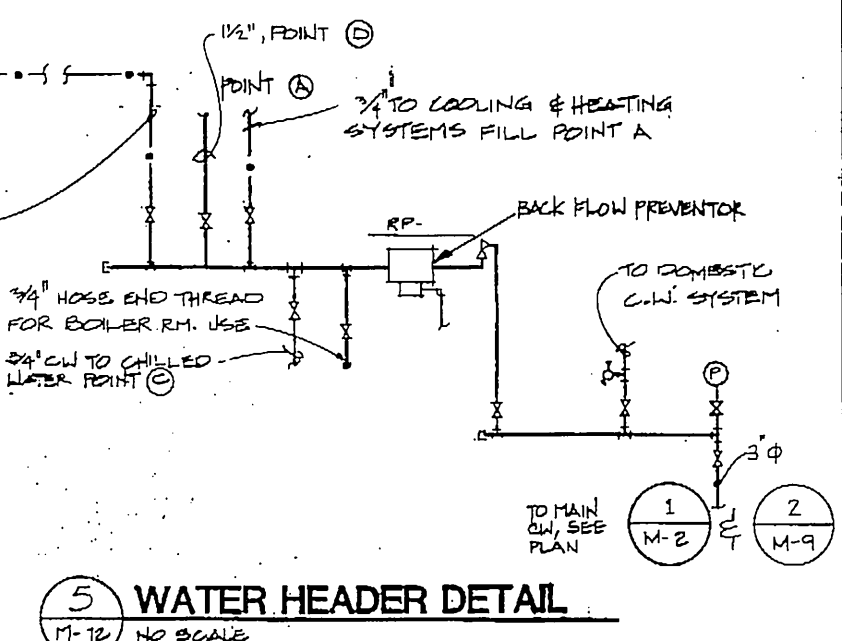
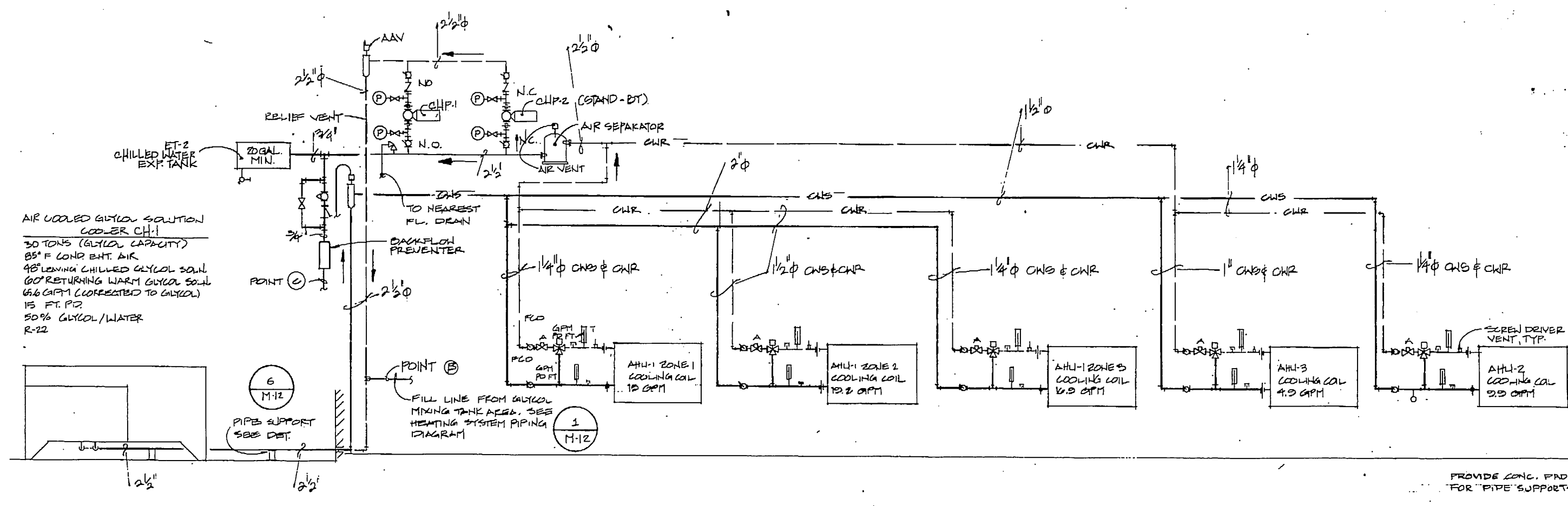
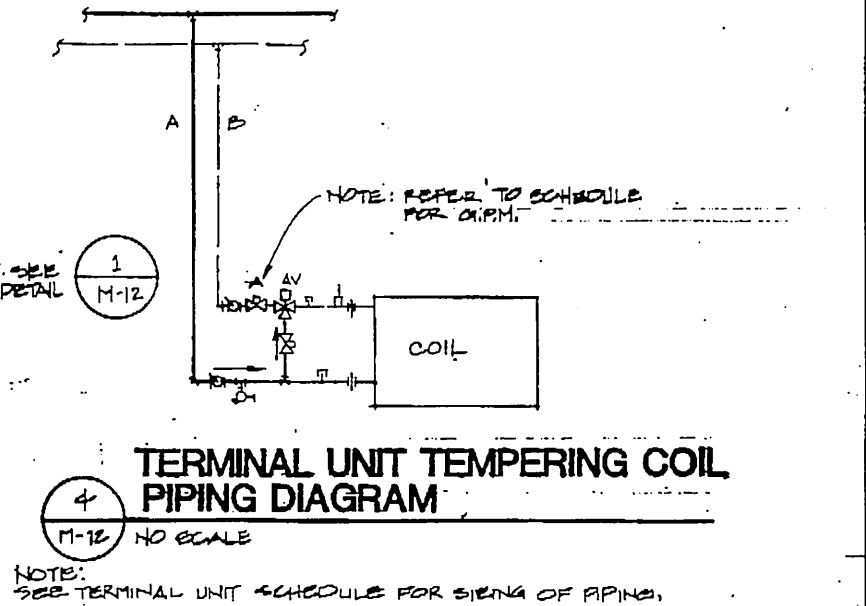
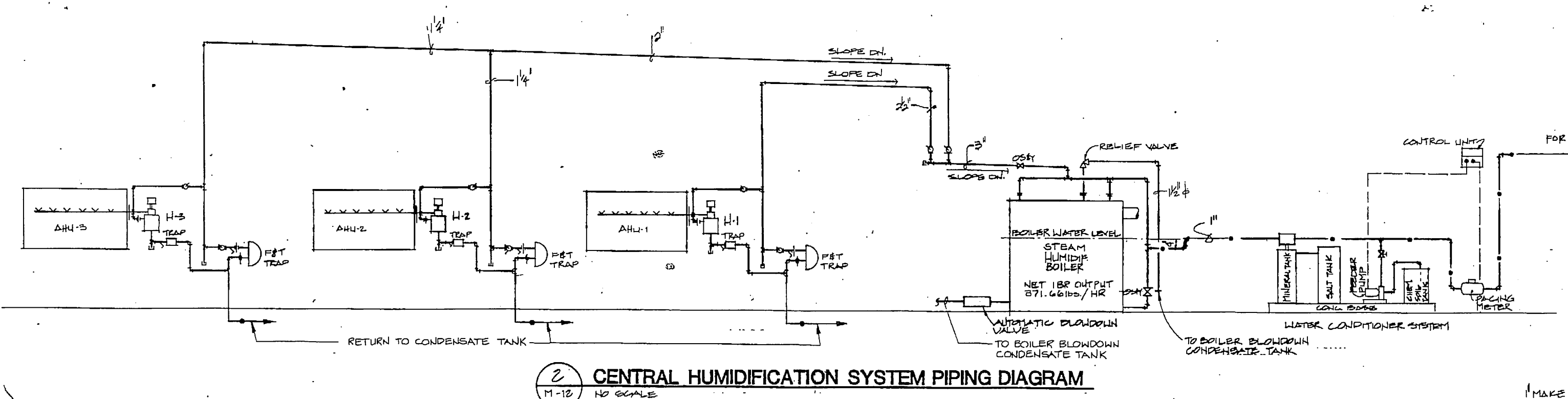
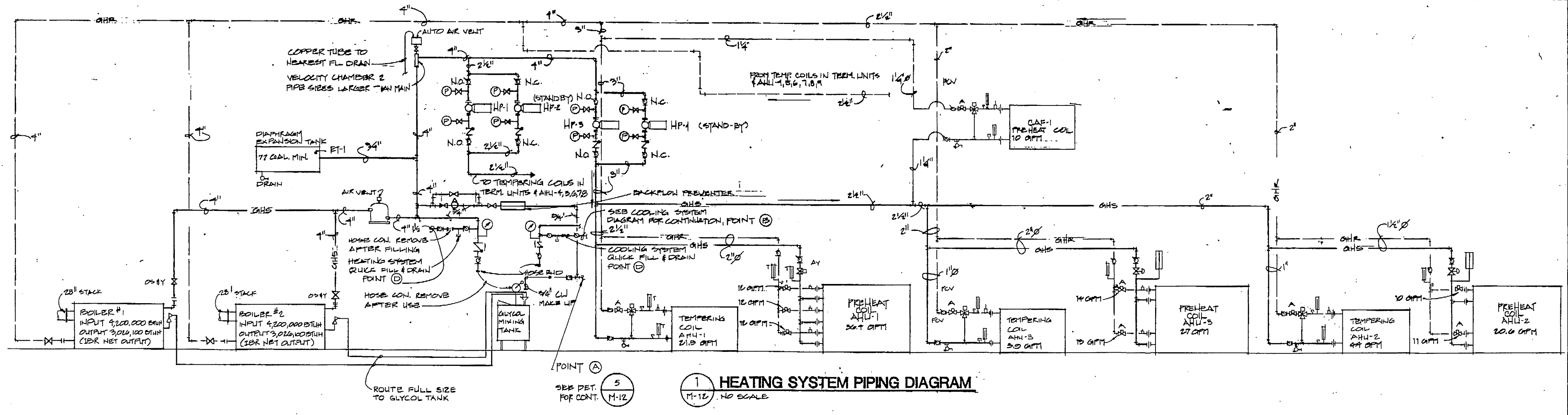
**ANCHORAGE STATEWIDE
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DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 11 - CONTROL REGION
PROJECT NUMBER 83-7028

TEMPERATURE CONTROL
SCHEMATICS

JOB NO. 83-70

M11

DATE 13 JULY 84



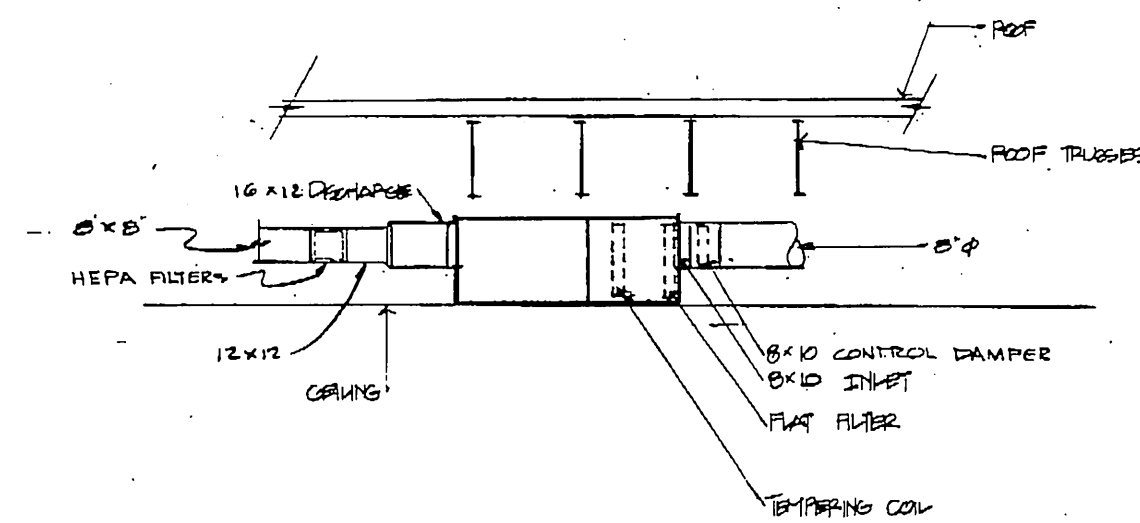


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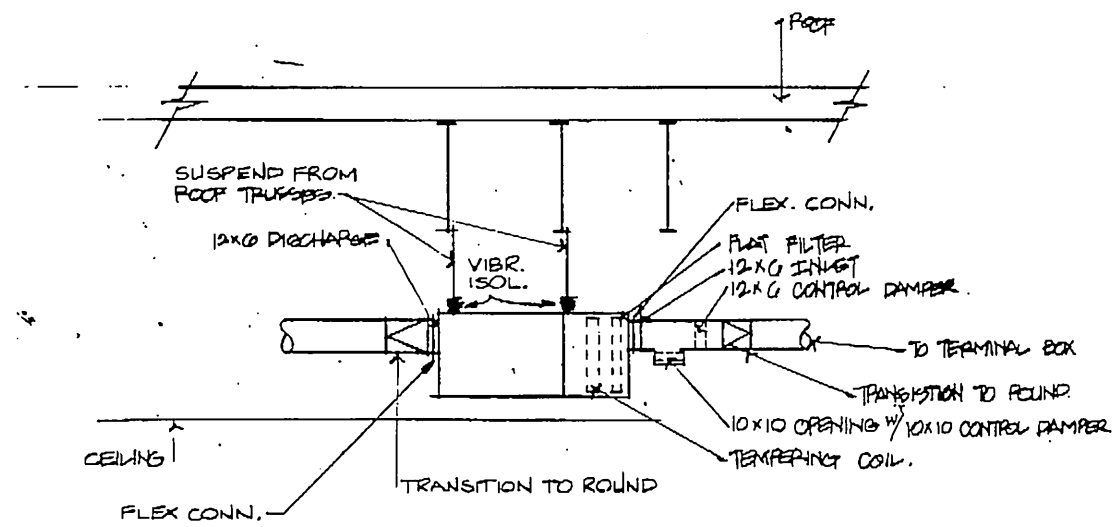
KEI Krueck Engineers, Inc.
ANCHORAGE STATEWIDE
FORENSIC LABORATORY
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER K-10053
JOB NO. 83-70

PIPING SYSTEMS

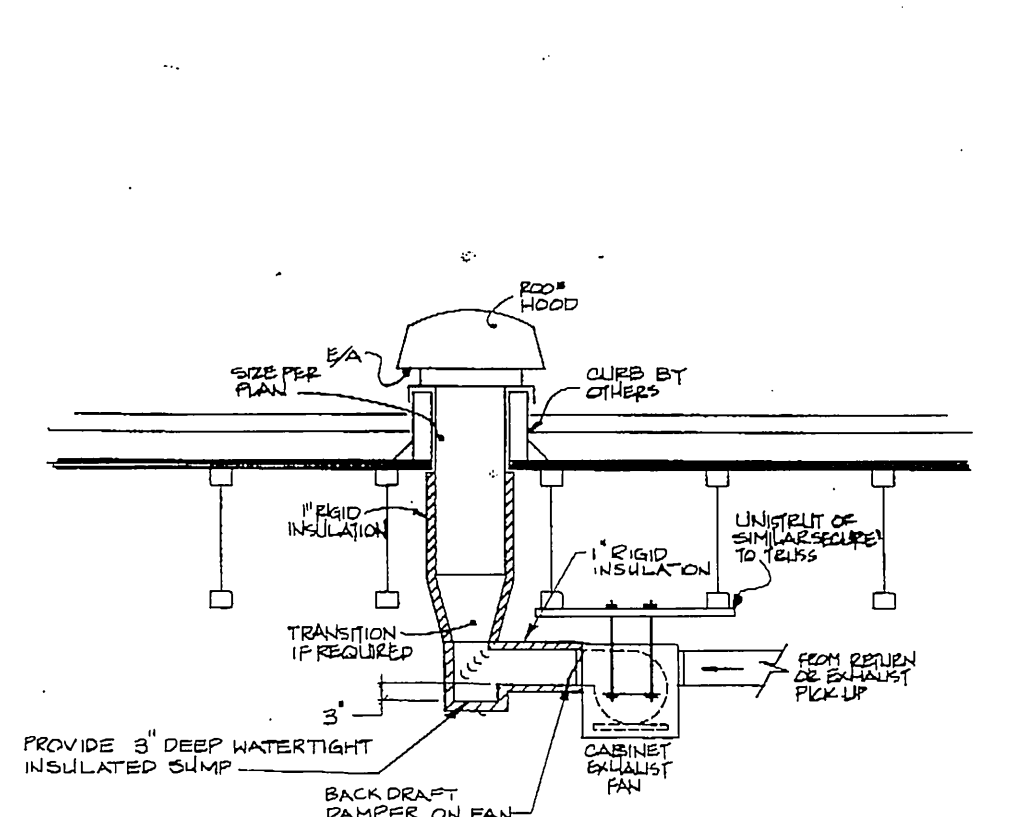
M12
OF 18
DATE 13 JULY 84



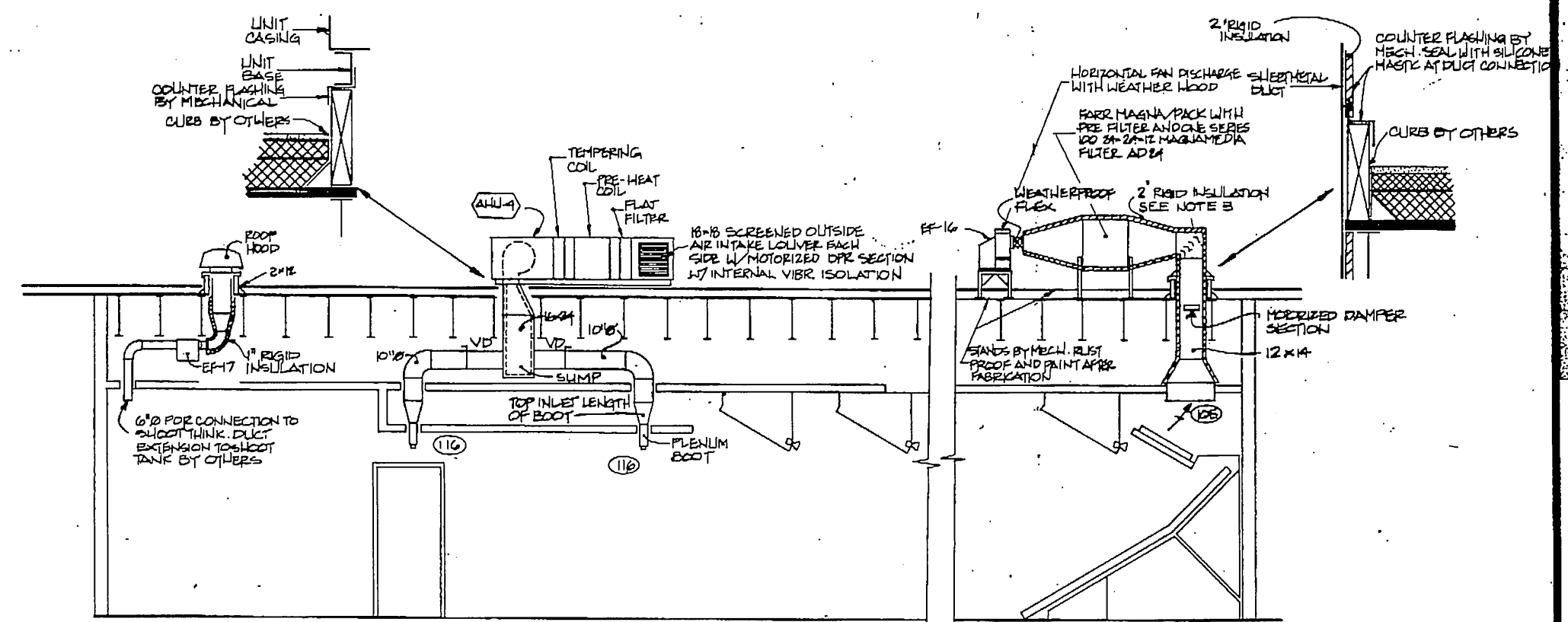
1 DETAIL AHU-9
M-13 NO SCALE



2 TYPICAL DETAIL AHU-5, 6, 7, & 8
M-13 NO SCALE

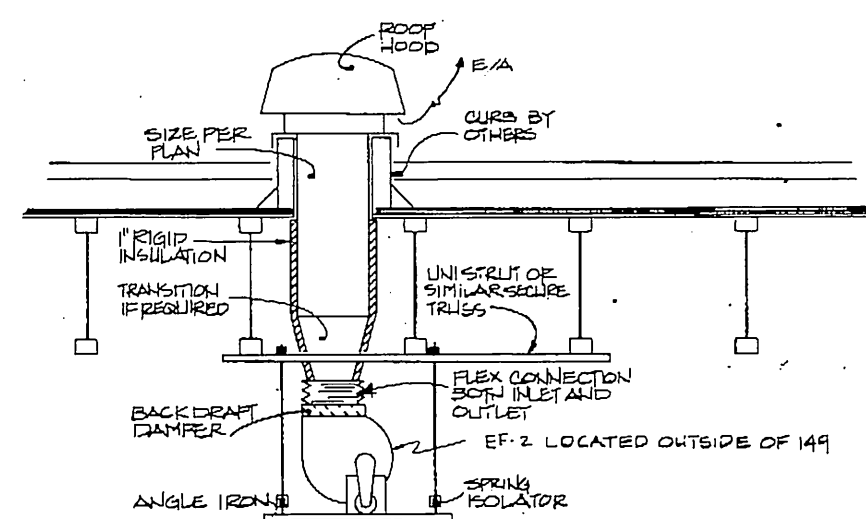


5 CABINET EXH. FAN DETAIL (TYPICAL)
M-13 NO SCALE

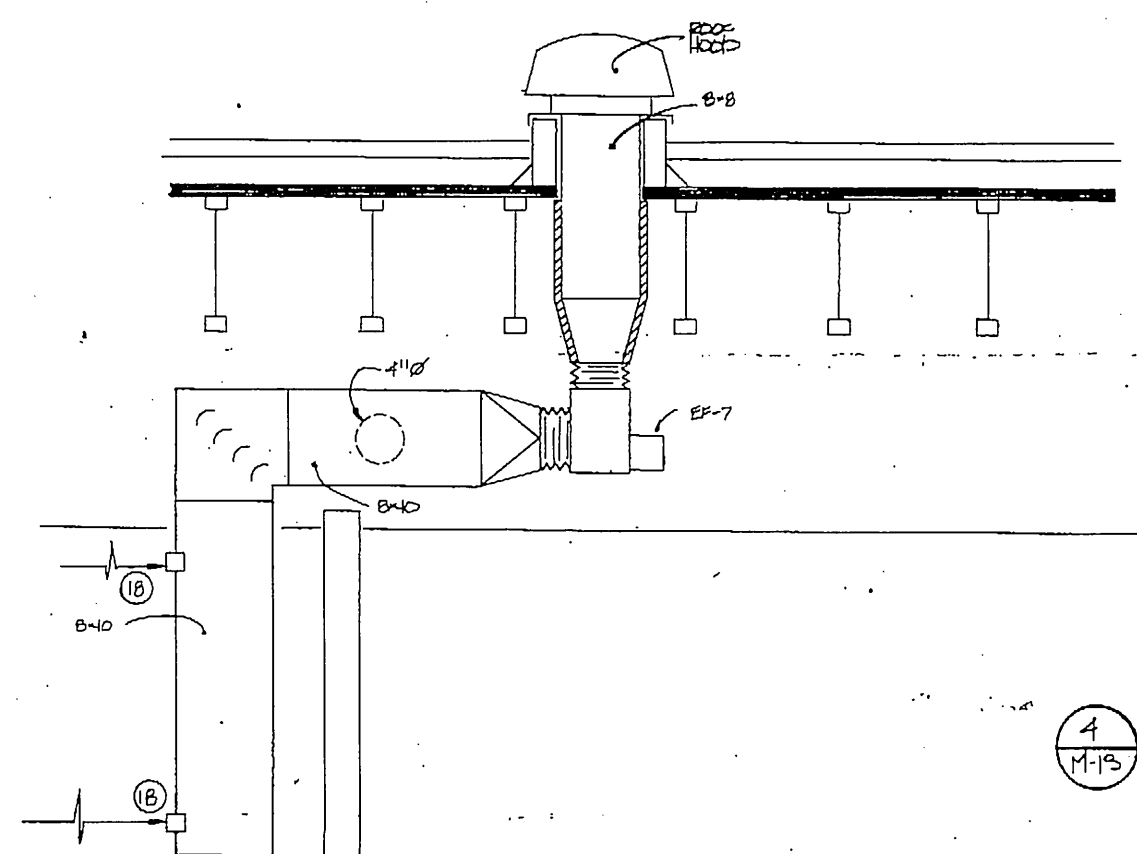


3 SECTION AT BALLISTIC RANGE
M-13 NO SCALE

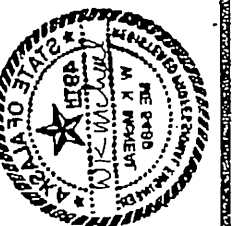
- NOTES:
1. LOCATE ALL CONTROL VALVES, ISOLATION VALVES ETC. BELOW ROOF. PENETRATE ROOF INSIDE CURB WITH HEATING PIPING THAT SERVES COILS.
 2. INSTALL HOSE END DRAIN VALVES ON PIPING SO COILS MAY BE ISOLATED AND DRAINED.
 3. THE DUCTWORK INSULATION SHALL BE COVERED WITH CANVAS JACKET LOGGED WITH WATERPROOF ADHESIVE.



6 UTILITY EXH. FAN DETAIL (TYPICAL)
M-13 NO SCALE



4 SECTION AT CHEM. STORAGE
M-13 NO SCALE



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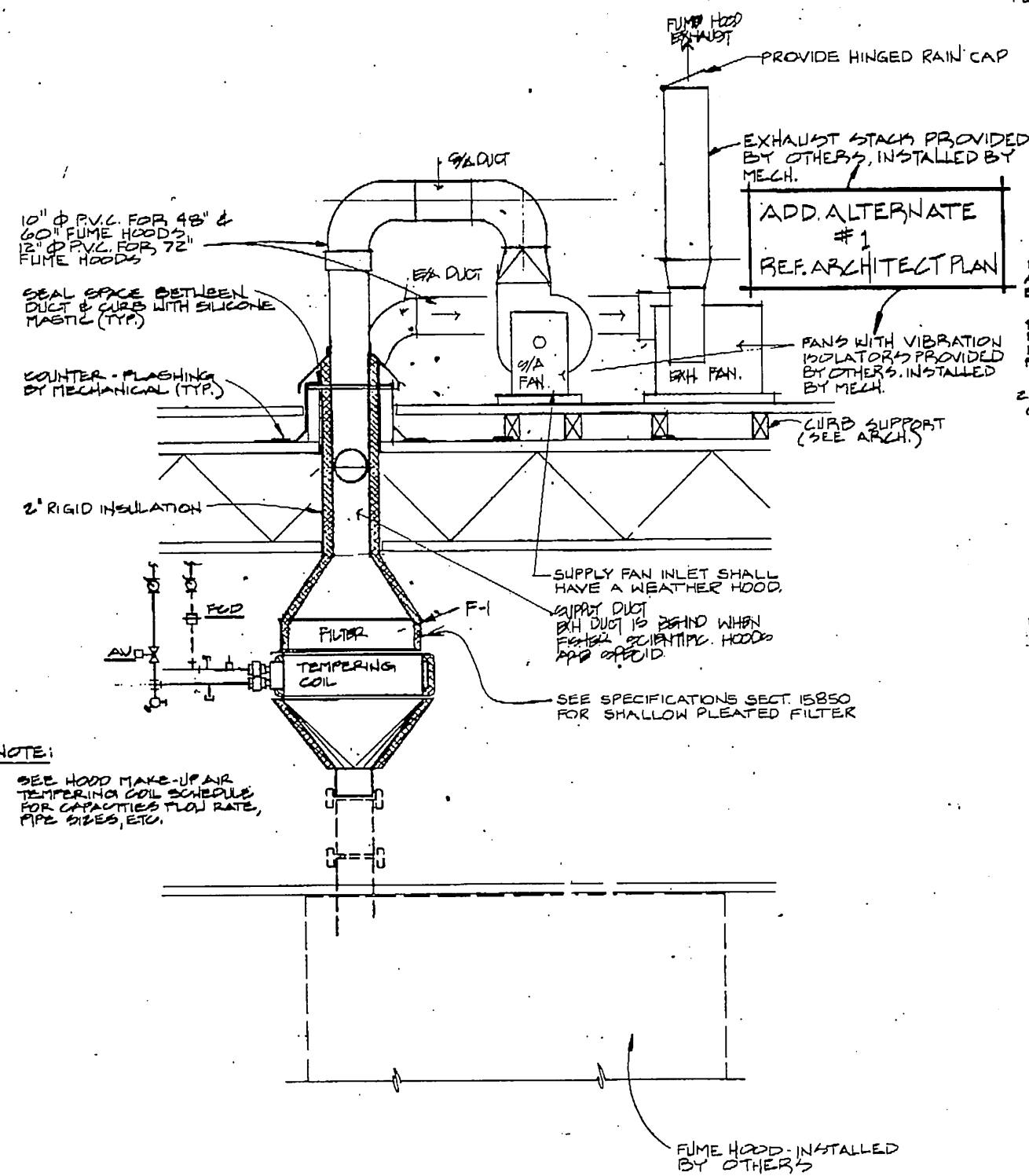
ANCHORAGE STATEWIDE
FORENSIC LABORATORY
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF SCIENCE & CENTRAL REGION
DESIGN NUMBER X-10023

DETAILS

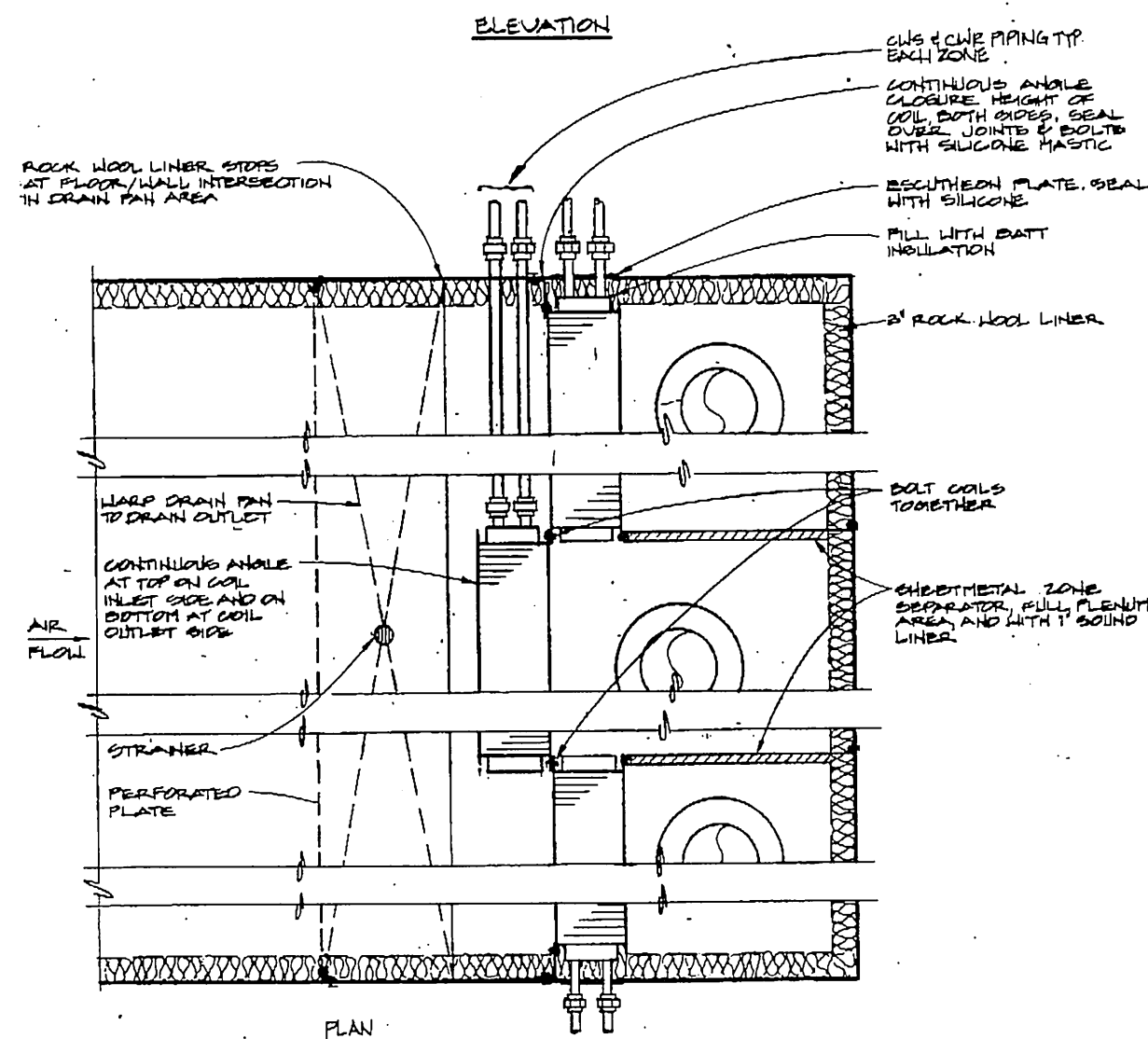
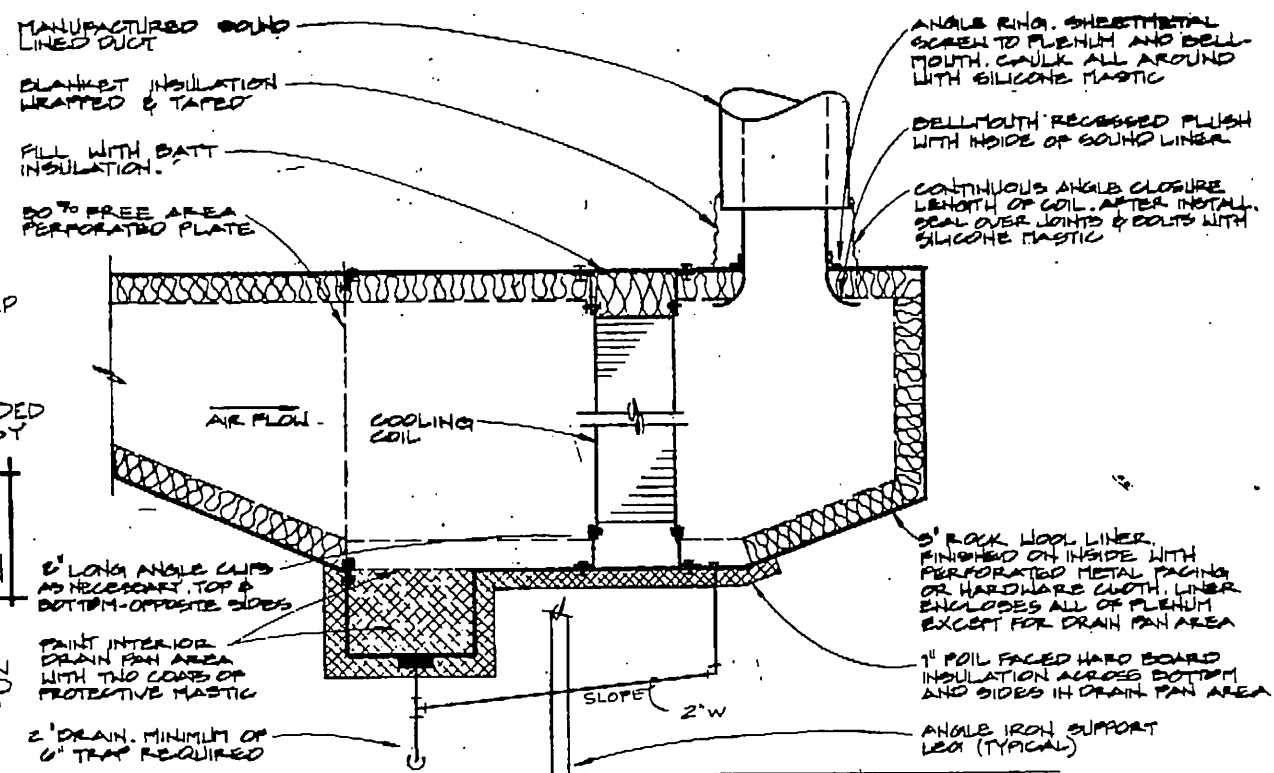
JOB NO. 83-70

M13

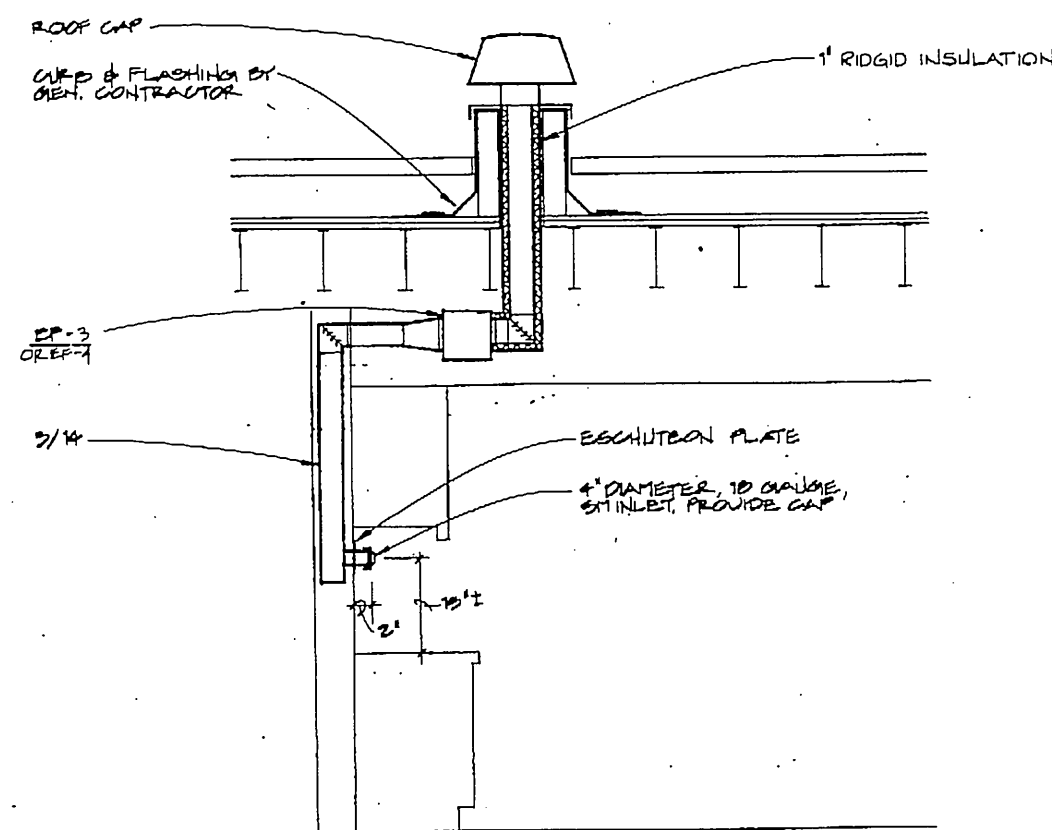
OF 12
DATE 13 JULY 84



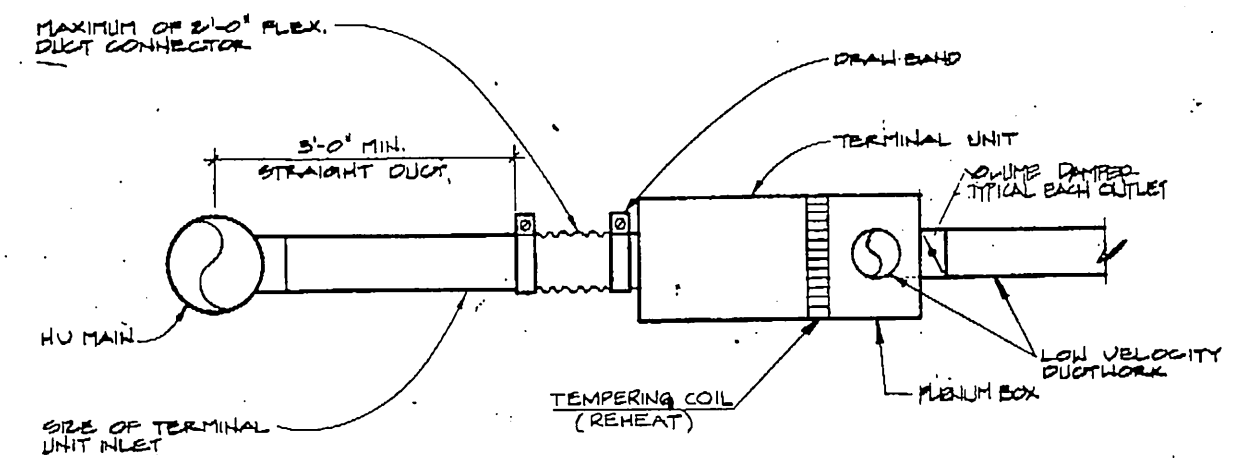
1 FUME HOOD CONNECTION DETAIL
M-14 NO SCALE



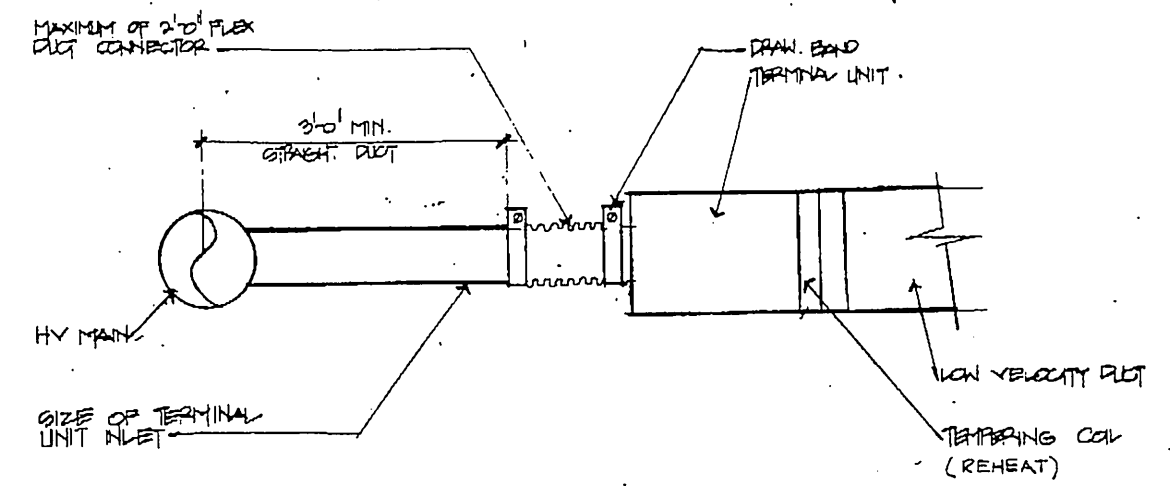
2 ZONE COOLING COIL PLENUM DETAIL
M-14 NO SCALE



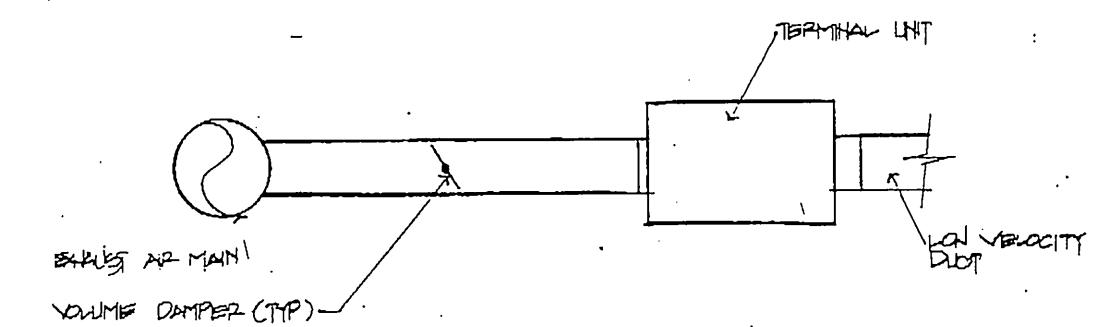
6 EF-3 DETAIL
M-14



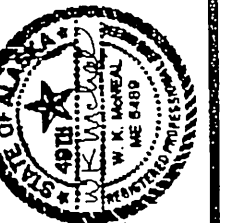
3 SUPPLY AIR TERMINAL REHEAT BOX DETAIL (PLENUM)
M-14 NO SCALE



1 SUPPLY AIR TERMINAL REHEAT BOX DETAIL (OPEN END)
M-14 NO SCALE



7 EXHAUST AIR TERMINAL BOX DETAIL
M-14



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1000 1ST AVENUE, SUITE 200
ANCHORAGE, ALASKA 99501
TEL: 263-1111 FAX: 263-1112
PROJECT NUMBER: K-1003

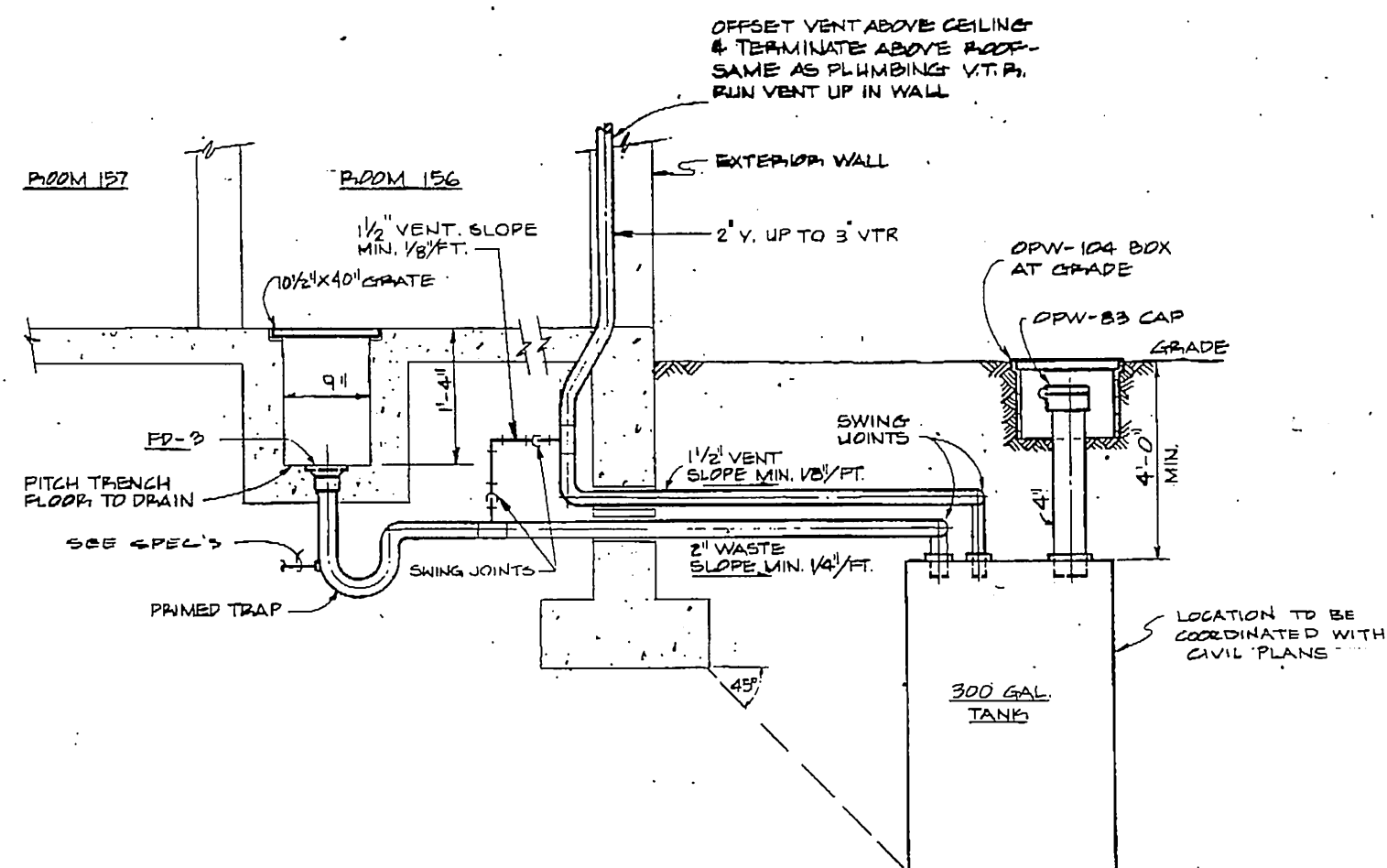
ANCHORAGE STATEWIDE
FORENSIC LABORATORY
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF REGIONAL & CENTRAL REGION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER: K-1003

DUCT CONSTRUCTION DETAILS

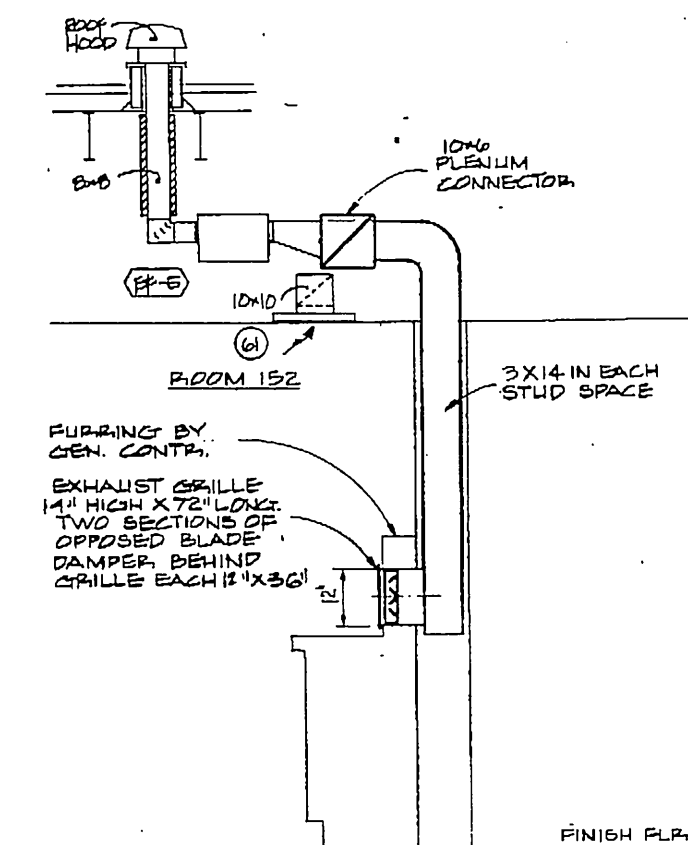
JOB NO. 83-70

M14

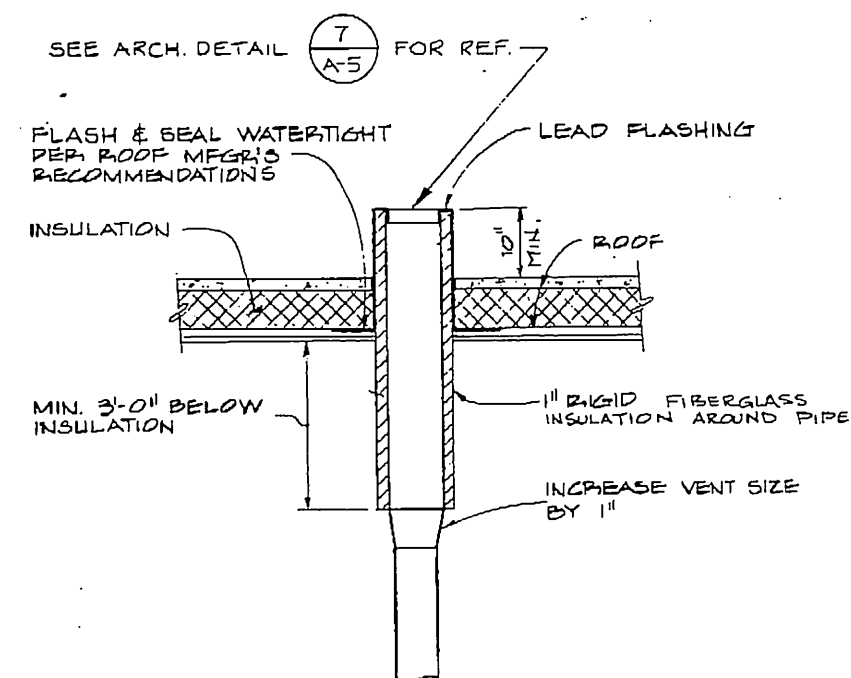
OF 15
DATE 13 JULY 84



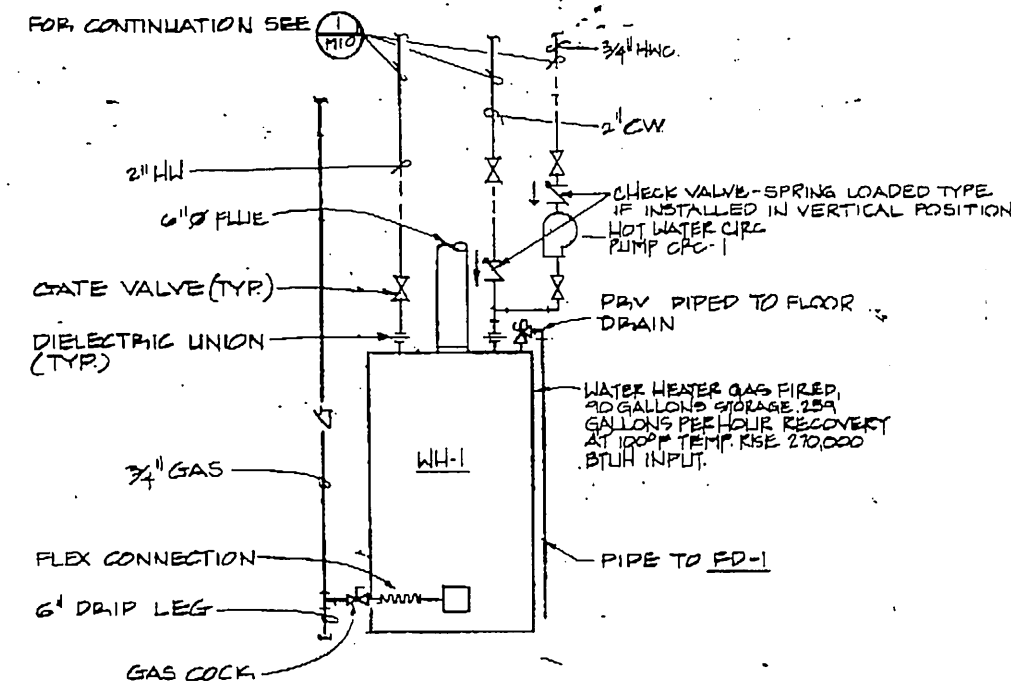
1 CHEMICAL WASTE HOLDING TANK
M-15 NO SCALE



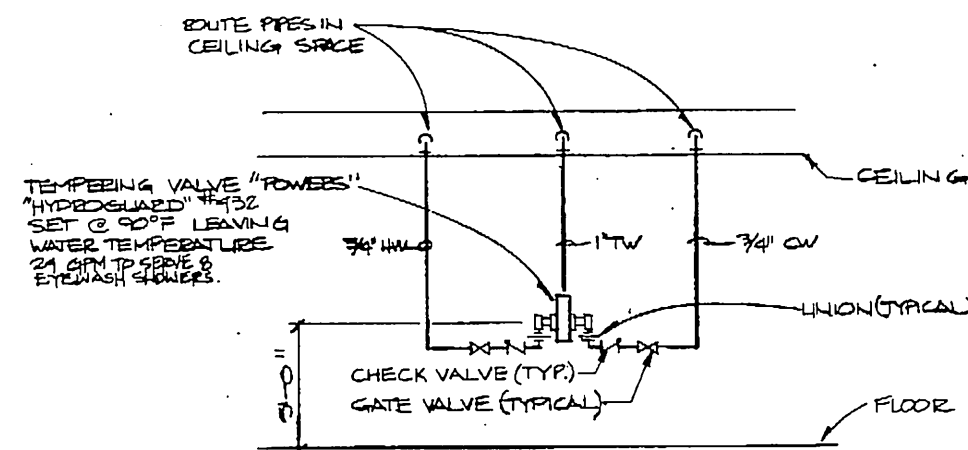
4 FINGERPRINT POWDER BENCH EXHAUST
M-15 NO SCALE



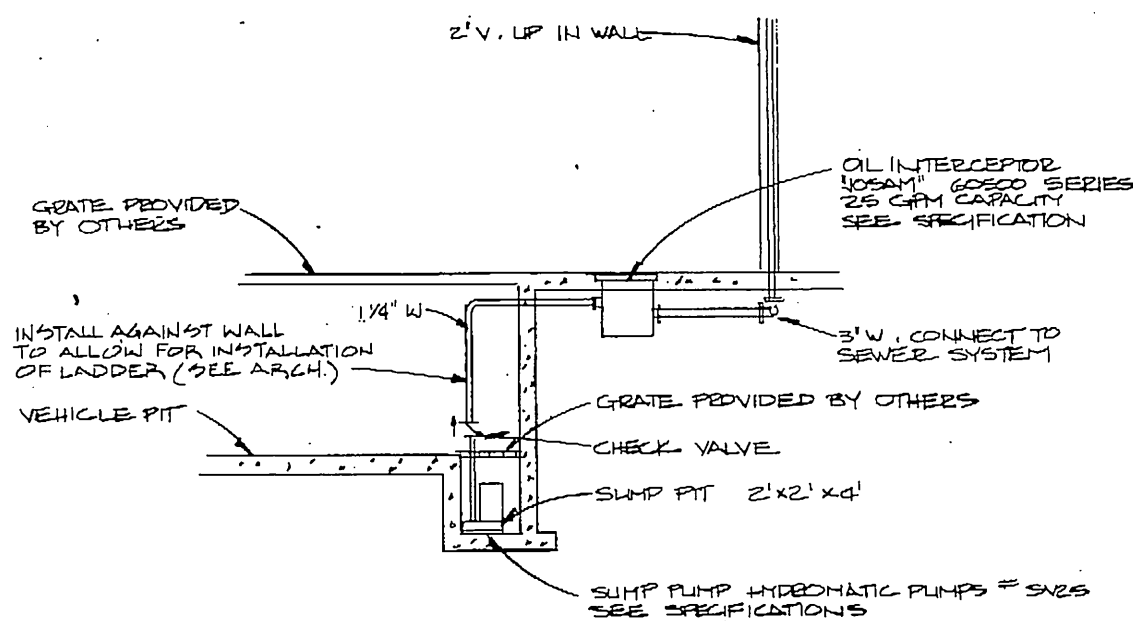
7 VENT THROUGH ROOF DETAIL
M-15 NO SCALE



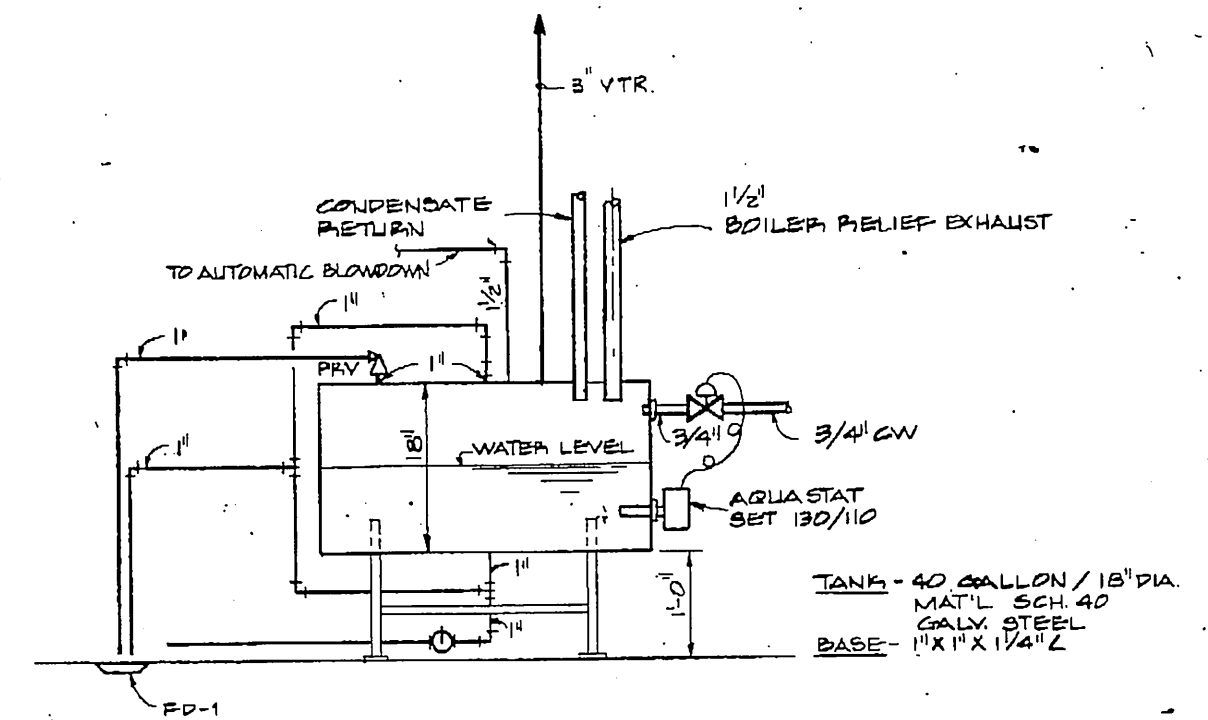
2 WATER HEATER PIPING DETAIL
M-15 NO SCALE



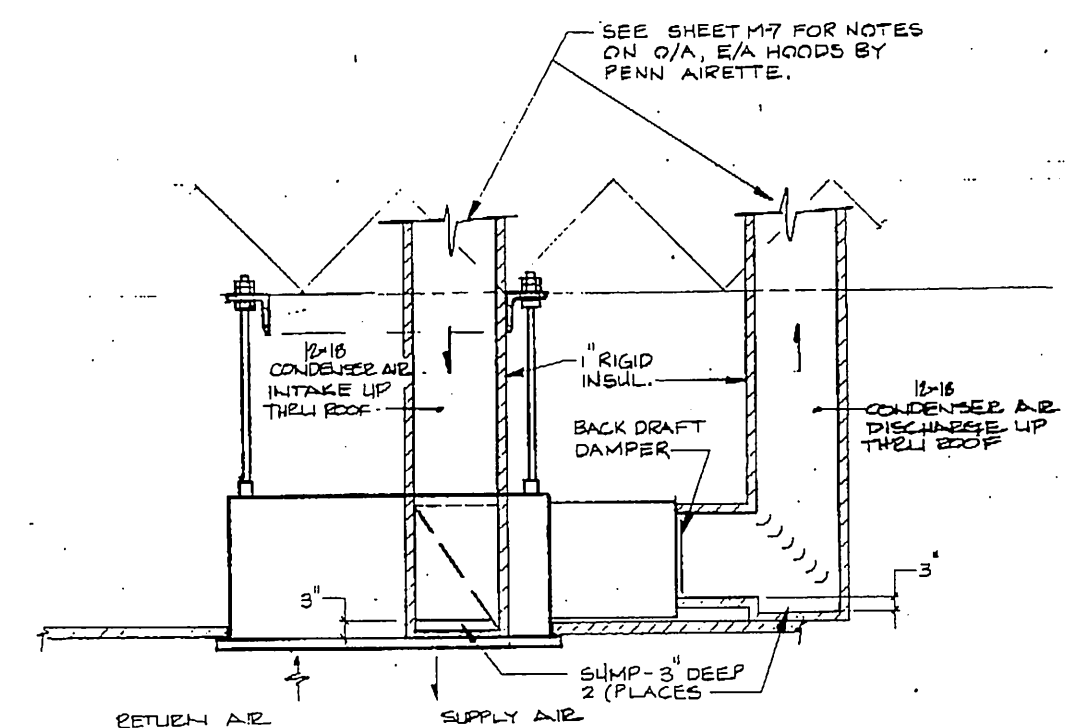
5 TEMPERED WATER PIPING DIAGRAM
M-15



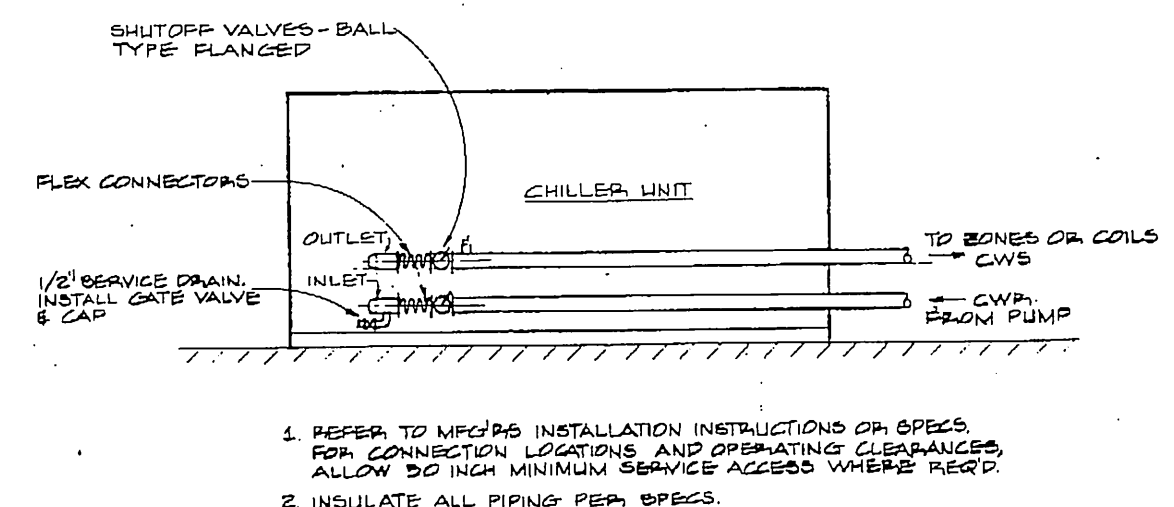
8 SUMP PUMP DETAIL
M-15



3 BOILER CONDENSATE BLOW DOWN TANK
M-15 SCALE: 1\"/>



6 COOLED ROOM COOLER INSTALLATION DETAIL
M-15 NO SCALE



9 AIR COOLED LIQUID CHILLER INSTALLATION DETAIL
M-15 NO SCALE



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DEPARTMENT OF CORRECTIONS
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DIVISION OF DESIGN AND CONSTRUCTION
PROJECT NUMBER: 1-10043

DUCT CONSTRUCTION DETAILS

JOB NO. 83-70

M15
OF 19
DATE 13 JULY 84



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ANCHORAGE STATEWIDE
FORENSIC LABORATORY
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN NUMBER: M16-1008

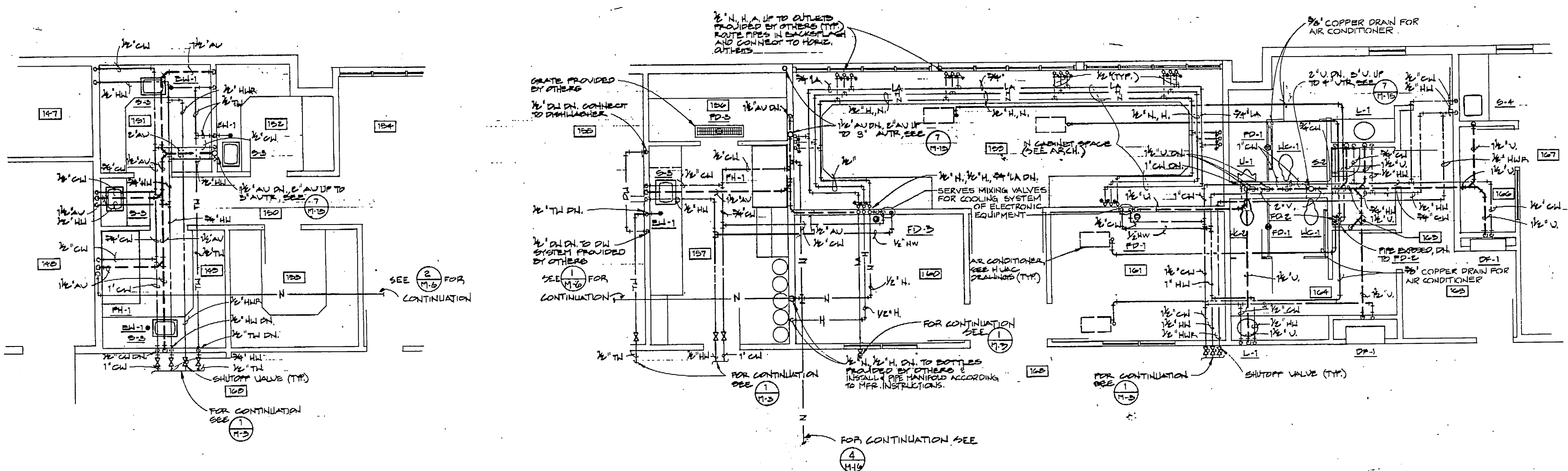
PARTIAL FLOOR
PLANS - PLUMBING

JOB NO. 83-70

M16

OF 18

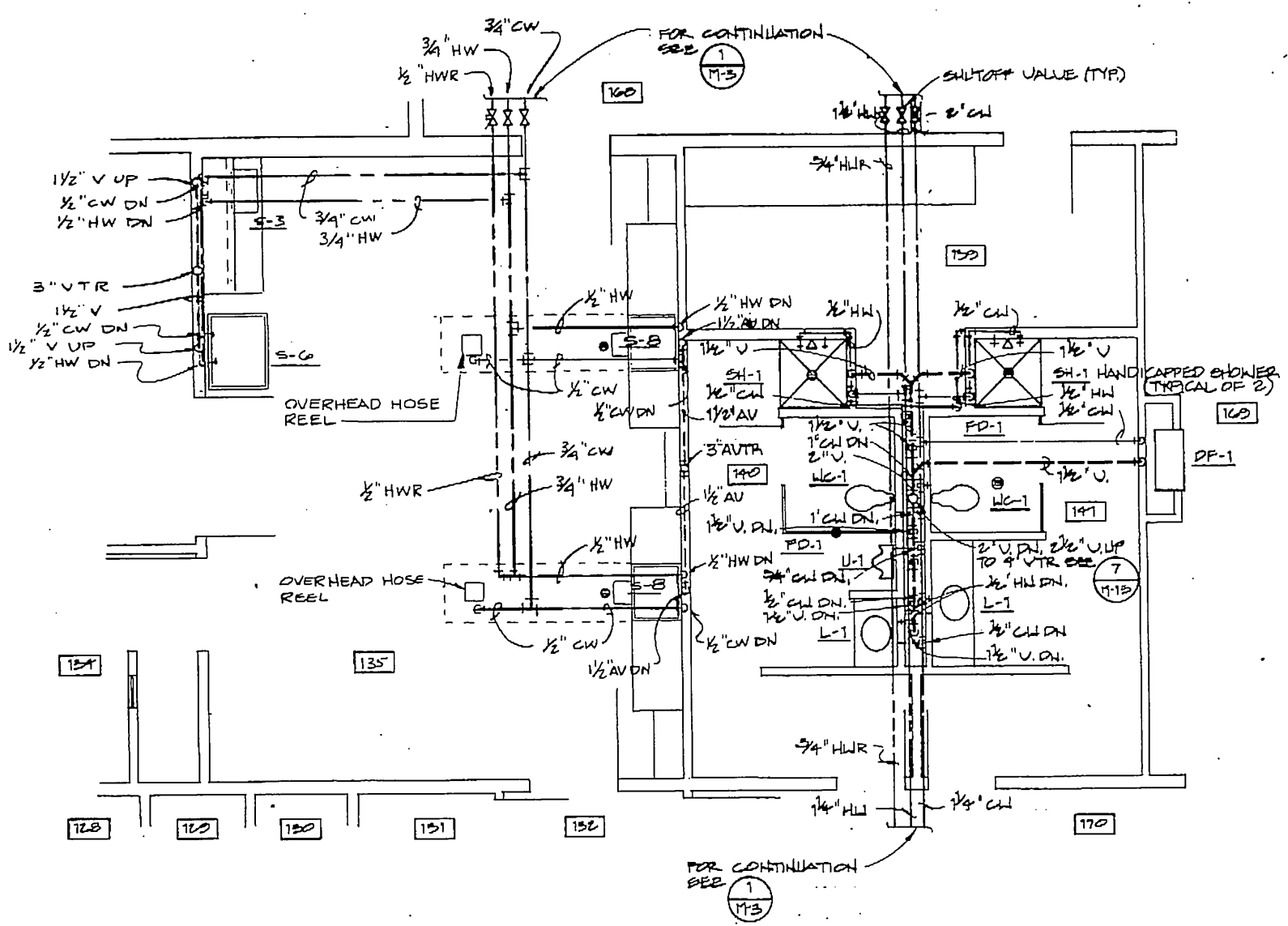
DATE 13 JULY 84



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

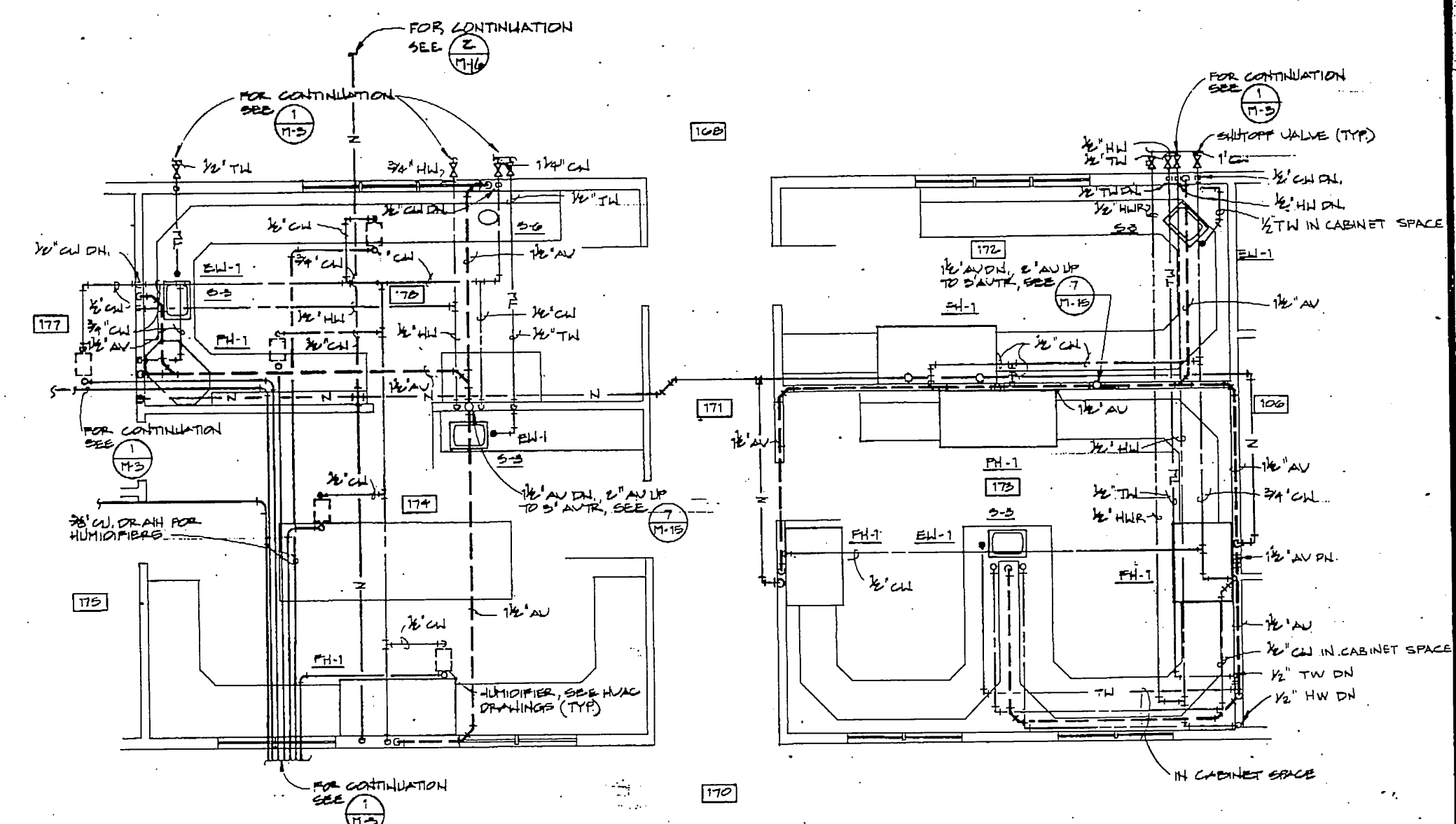
2 PARTIAL FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"

NORTH



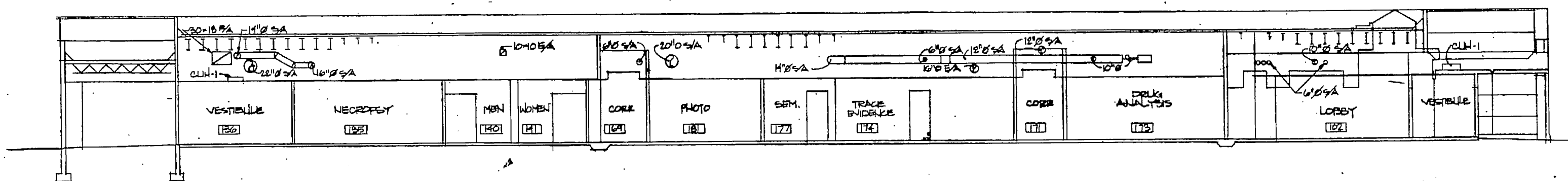
3 PARTIAL FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"

NORTH

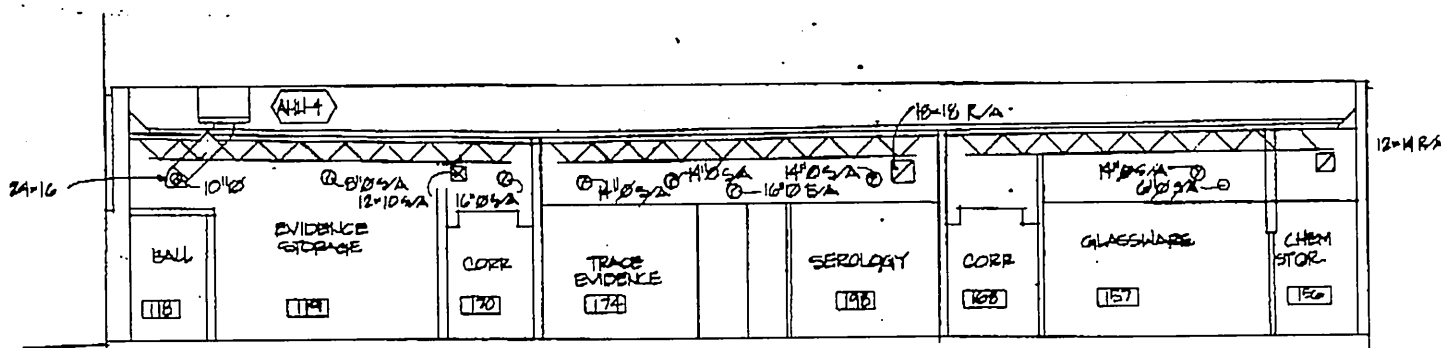


4 PARTIAL FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"

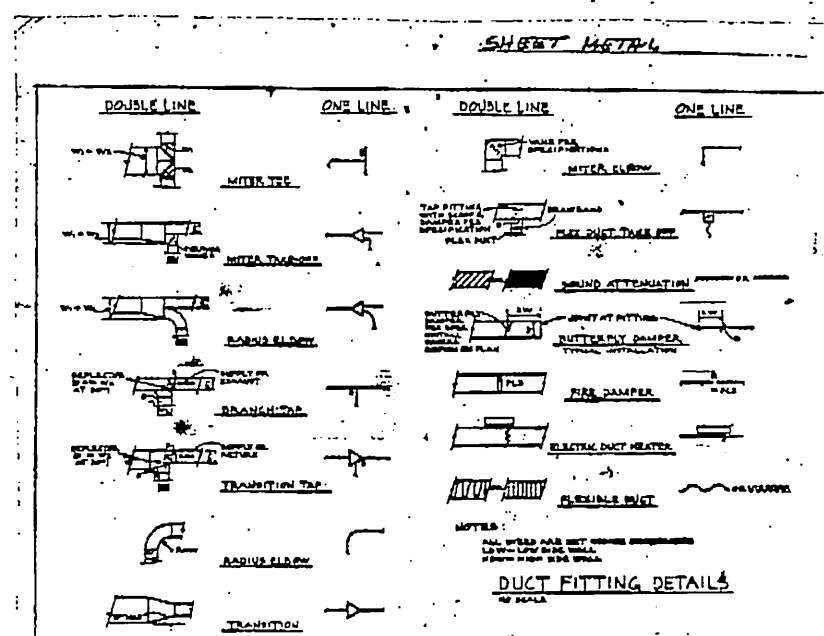
NORTH



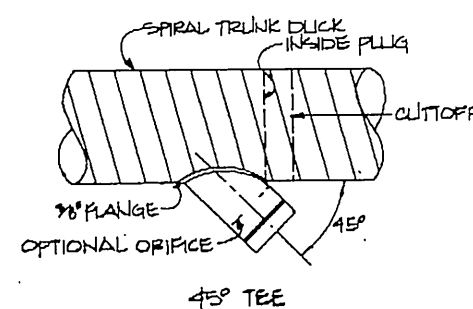
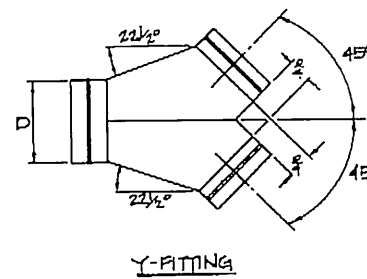
SECTION
M-17 1/8" = 1'-0"



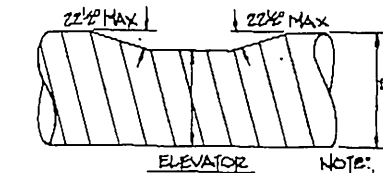
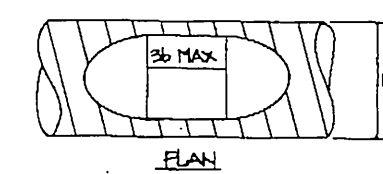
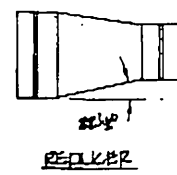
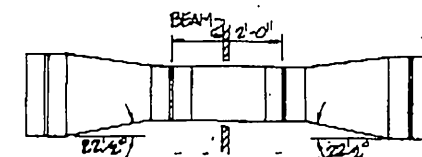
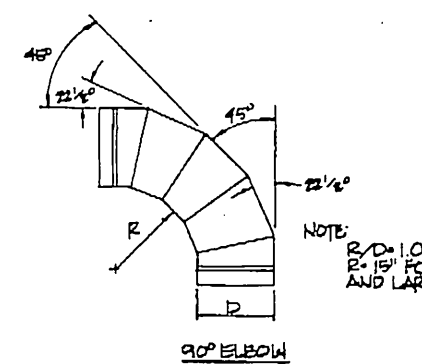
SECTION
M-17 1/8" = 1'-0"



DUCT FITTING DETAILS
M-17

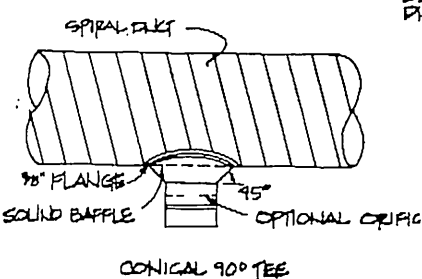


- LEGEND
HIGH VELOCITY FITTINGS
- CONICAL 90° TEE
 - 45° TEE (WITH 45° EL)
 - 45°-90° TEE
 - REDUCER
 - COUPLING
 - CONSTRUCTION
 - Y-FITTING

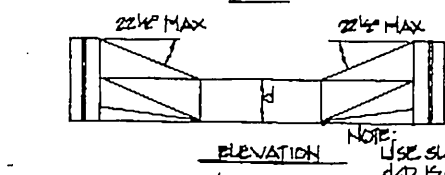
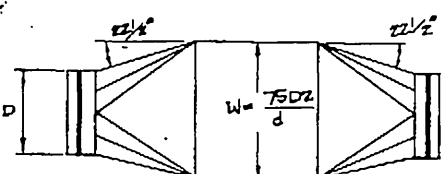
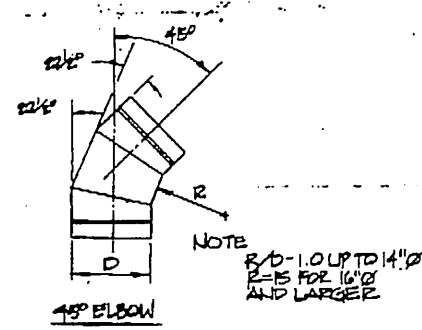
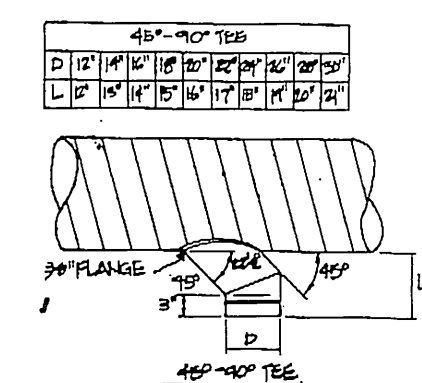


CONSTRUCTION
SLICE

NOTE: 20 GA. PERFORATED METAL SOUND Baffle FLUSH WITH MAIN DUCT. 1/2\"/>



CONICAL 90° TEE



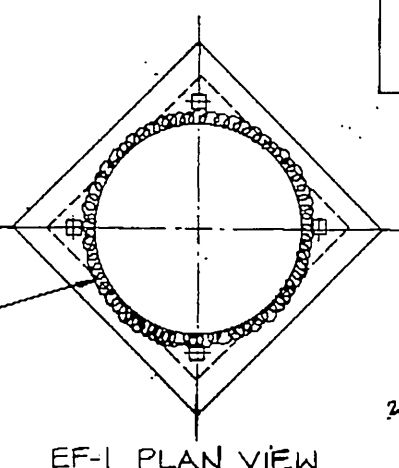
CONSTRUCTION
SLICE

NOTE: USE SLICE WHERE 4/16\"/>

ROUND-RECTANGULAR-ROUND

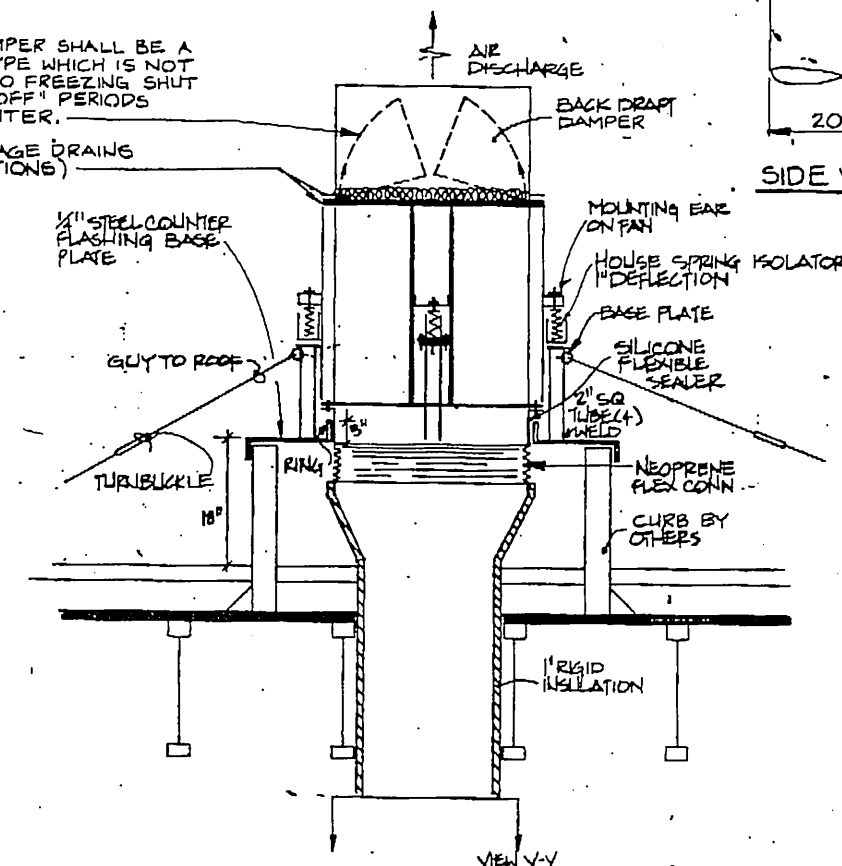
HIGH VELOCITY DUCT FITTING DETAILS
M-17 NO SCALE

HEAT TRACE THE PERIMETER OF THE BACK DRAFT DAMPER

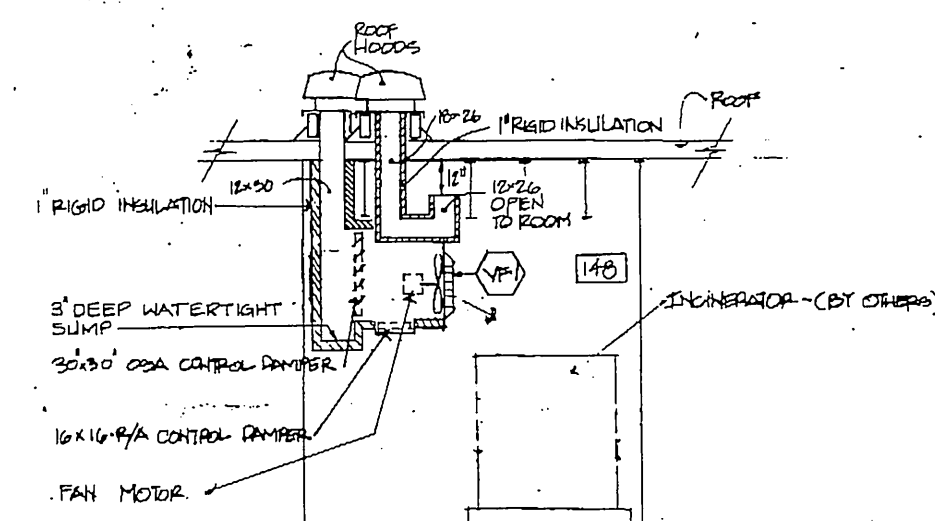


EF-1 PLAN VIEW

BACKDRAFT DAMPER SHALL BE A "NON-FREEZE" TYPE WHICH IS NOT SUSCEPTIBLE TO FREEZING SHUT DURING THE WINTER. PROVIDE SEEPAGE DRAIN (TYP. 3 LOCATIONS)



EF-1 DETAIL
M-17 3/4\"/>



COMBUSTION & VF-1 DETAIL
M-17 NO SCALE



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ANCHORAGE STATEWIDE FORENSIC LABORATORY
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DEPARTMENT OF PUBLIC SAFETY
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER A-10023
1001 224001
1001 224001

ANCHORAGE STATEWIDE FORENSIC LABORATORY
STATE OF ALASKA
DEPARTMENT OF PUBLIC SAFETY
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER A-10023

BUILDING SECTIONS

JOB NO. 83-70

M17

OF 18

DATE 13 JULY 84

AIR HANDLER SCHEDULE																																			
DESIG	SERVES	LOCATION	CFM	FAN TOTAL SP " H ₂ O	RPM	BHP	MOTOR HP	PRE-HEAT COIL *								TEMPERING COIL *								COOLING COIL											
								CFM	TEMP AIR IN	TEMP AIR OUT	AIR ΔP " H ₂ O	TEMP GLYCOL SOLUTION IN	TEMP GLYCOL SOLUTION OUT	GPM	GLYCOL ΔP IN FT	CFM	TEMP AIR IN	TEMP AIR OUT	AIR ΔP " H ₂ O	TEMP GLYCOL SOLUTION IN	TEMP GLYCOL SOLUTION OUT	GPM	GLYCOL ΔP IN FT	ZONE	CFM	TEMP AIR IN	TEMP AIR OUT	AIR ΔP " H ₂ O	TEMP GLYCOL SOLUTION IN F	TEMP GLYCOL SOLUTION OUT	GPM	GLYCOL ΔP IN FT MAX	CAPACITY MBH	FACE AREA	DIMS
AHU-1	ZONE 1 ZONE 2 ZONE 3	MECH. ROOM 146	19,655	4.10	9050		20	11,060	20	45	.15	200	180	36.4	3.5	11,060	45	60	.15	200	180	21.5	3.5	1	4800	74/63	60	.55	48°F	60°F	15	24	70.6	9.2	36Hx37L
AHU-2	VENTILATION	MECH. ROOM 146	3,420	2.5	1315	2.7	5	3,420	-25	45	.15	200	170	22.6	3.5	3,420	45	60	.15	200	170	4.4	3.5	2	5805	74/65	60	.55	48°F	60°F	19.2	24	71.6	11.8	36Hx48L
AHU-3	MAKE-UP	MECH. ROOM 146	2,930	2.5	1452	2.3	3	2,930	-25	45	.15	200	170	27.0	3.5	2,930	45	60	.15	200	170	3.87	3.5	3	9170	74/63	60	.55	48°F	60°F	16.1	24	85.9	10.4	36Hx42L
AHU-4	BALLISTICS	116	770	1.0	1308	.3	1/2	770	-25	45	.15	200	170	4.74	3.5	770	45	60	.15	200	170	2.78	3.5	AHU-2	3420	74/63	60	.55	48°F	60°F	9.1	24	66.8	6.1	
AHU-5,6,7,8	AM NO. 129, 130, 116, 114	230	.5	1716	.05	1/8		230	-25	45	.15	200	170	1.0	3.5	230	60	120	.15	200	170	1.0	3.5	AHU-3	2930	74/63	70	.55	48°F	60°F	4.1	24	25.0	5.1	
AHU-9	CLEAN ROOM	175	230	1.2	2100	.2	1/3	230	-25	55	.15	200	180	10	3.5	230	60	90	.15	200	170	.51	3.5												
CAF-1	MECH ROOM, COMB. AIR, CLG		4824	.75	913	1.39	2	4800	-25°	55°	.15	200	180	10	3.5																				

* COIL FACE AREAS MUST BE SUITABLE FOR FULL SYSTEM CFM (15,655) AND NOT EXCEED AIR ΔP AS SHOWN IN SCHEDULE

CEILING RETURN/EXHAUST GRILLE SCHEDULE *									
DESIG	SERVES	CFM	GRILLE SIZE	MAX NC	REMARKS				
2	CLASSROOM	167	840	24" x 24"	30	① T BAR TYPE			
4	PROJECTION	166	40	16" x 9"	30	① T BAR TYPE			
6	JANITOR	163	40	12" x 12"	30	② REG CEILING			
7	MEN	162	180	12" x 12"	30	② REG CEILING			
8	WOMEN	164	180	12" x 12"	30	② REG CEILING			
11	INSTRUMENT N	159	580	24" x 24"	30	① T BAR TYPE			
14	MASS SPECTRA	161	240	24" x 24"	30	① T BAR TYPE			
16	FTIR	160	215	24" x 24"	30	① T BAR TYPE			
18	CHEM STORAGE	156	75	8" x 4"	30	TYP OF 2-SIDEWALL REG'R, PROVIDE OB			
21	GLASSWARE	157	500	24" x 24"	30	① T BAR TYPE			
24	TOXICOLOGY	172	310	12" x 24"	30	① T BAR TYPE			
27	DRUG ANALYSIS	173	525	24" x 12"	30	① T BAR TYPE			
30	SEROLGY	178	335	24" x 24"	30	① T BAR TYPE			
33	TRACE EVIDENCE	174	620	24" x 24"	30	① T BAR TYPE			
35	CONF/LIBRARY	107	480	24" x 24"	30	① T BAR TYPE			
36	CONF/LIBRARY	107	390	24" x 24"	30	① T BAR TYPE			
37	CONF/LIBRARY	107	170	24" x 12"	30	① T BAR TYPE			
38	ADMIN. ASSISTANT	109	170	24" x 12"	30	① T BAR TYPE			
40	ADMIN. ASSISTANT	109	160	24" x 24"	30	① T BAR TYPE			
41	LAB DIRECTOR	112	210	24" x 24"	30	① T BAR TYPE			
44	HEAD CHEMIST	111	180	24" x 24"	30	① T BAR TYPE			
45	STORAGE	103	50	24" x 24"	30	① T BAR TYPE			
46	RECORDS	104	180	24" x 24"	30	① T BAR TYPE			
50	EVIDENCE REC'D	116	450	24" x 24"	30	① T BAR TYPE			
51	VAULT	114	230	48" x 4"	30	② REG CEILING TYPE			
53	EVIDENCE REC'D	117	230	12" x 12"	30	② REG CEILING TYPE			
55	FINGERPRINT OFF	155	300	24" x 24"	30	① T BAR TYPE			
60	FINGERPRINT SECT	154	450	24" x 24"	30	① T BAR TYPE			
61	FINGERPRINT POWD	152	150	24" x 24"	30	① T BAR TYPE			
64	CHEM. TRACE	151	125	24" x 24"	30	① T BAR TYPE			
66	QUEST'D DOCUMENTS	153	120	24" x 24"	30	② REG CEILING TYPE			
69	NINHYDRIN	149	585	24" x 24"	30	② REG CEILING TYPE			
70	ELECTRIC ROOM	147	250	12" x 12"	30	② REG CEILING TYPE			
72	CORRIDOR	168	600	24" x 24"	30	① T BAR TYPE			
74	ELECTRONIC REPAIR	139	255	24" x 24"	30	① T BAR TYPE			
75	RESTROOMS	143, 141	200	12" x 12"	30	② REG CEILING TYPE			
77	NECROPSY	135	1940	24" x 24"	30	① T BAR TYPE			
81	X-RAY	134	200	24" x 24"	35	① T BAR TYPE			

① SELECTION BASED ON ANEMOSTAT GCSL SERIES - EGG CRATE TYPE - LAY IN T BAR TYPE
② GCS TYPE IS FOR REGULAR TYPE CEILINGS

CEILING RETURN/EXHAUST GRILLE SCHEDULE *									
DESIG	SERVES	CFM	GRILLE SIZE	MAX NC	REMARKS				
85	DRY	129	250	12" x 12"	N/A	② REG CEILING TYPE			
87	DRY	130	250	12" x 12"	N/A	② REG CEILING TYPE			
89	JANITOR	131							
91	VEHICLE INSPECT	126	100	4" x 10"	N/A	① S.S. - SHOP FAB 1/4" MESH			
93	LUNCHROOM	123	400	24" x 24"	35	① T BAR TYPE			
96	FIREARMS	120	400	24" x 24"	30	① T BAR TYPE			
99	PHOTO SECTION	182	180	24" x 24"	35	② REG. CEILING TYPE (TYP 2)			
101	CLEAN ROOM	175	175	24" x 24"	35	② REG CEILING TYPE			
103	EVIDENCE STORAGE	119	740	24" x 24"	30	② REG TYPE			
105	SWAMP PAPER	110	855	24" x 24"	30	② REG CEILING TYPE			
106	CORRIDOR	102	1120	24" x 24"	35	① T BAR TYPE (TYP 2)			
113	QUEST'D DOCUMENTS	153	195	24" x 24"	30	② REG CEILING TYPE			
114	SEM	171	175	24" x 24"	35	① T BAR TYPE			
118	CORRIDOR	170	625	24" x 24"	35	① T BAR TYPE (TYP 2)			

TREATMENT EQUIPMENT SCHEDULE			
NO.	DESC.	FUNCTION	EQUIPMENT
WS-1	WATER SOFTENER	SOFTEN ROILER FEED WATER	CULLIGAN - MARK 41
WT-1	CHEMICAL TREATMENT	TREAT ROILER FEED WATER	CULLIGAN FEED PUMP & TANK CT-20A 1/2 HP, CHEMICALS B-42 CONTROLS CT-180 FACING METER

EXHAUST FAN SCHEDULE									
DESIG	SERVES	LOCATION	CFM	SP "H ₂ O	RPM	BHP	MOTOR HP	REMARKS	
EF-1	10A, 10B, 11A, 11B, 11C, 11D, 11E, 11F, 11G	ON ROOF, LAB AREA	1400/3215	1.1	1180	.95	1/2	FLAT TAXI	
EF-2	NINHYDRANT		585	.5	1295	.30	1/8	"FACE" U-GF ACID RESISTANT EXPLOSION PROOF	
EF-3	CHEMICAL		125	.5	1197	.03	1/8	U-GF "	
EF-4	CHEMICAL		125	.5	1197	.03	1/8	U-GF "	
EF-5	POWDER		300	.4			1/10	DD-650 F	
EF-6	QUEST'D DOCU		135	.4			1/10	DD-450 F	
EF-7	CHEM. STORAGE		200	.5	1197	.03	1/8	U-GF ACID RESISTANT EXPLOSION PROOF	
EF-8	GLASSWARE		500	.45			1/10	DD-850 F	
EF-9	MEN/WOMEN/JAN	162, 163, 164	400	.5			1/10	DD-650 F	
EF-10	PHOTO SECTION	181	360	.5			1/10	DD-850 F	
EF-11	MEN/WOMEN	140, 141	400	.4			1/10	DD-850 F	
EF-12	NECROPSY	134, 135, 136	2,253	.5	769	.49	3/4	SCF-114A	
EF-13	VEHICLE INSPECT.		660	.5	1398	.26	1/2	SCF-71A	
EF-14	EVIDENCE	116, 119	1125	.4	792	.17	1/4	SCF-97A	
EF-15	CONF/LIBRARY	107	390	.5			1/10	DD-650 FT	
EF-16	BALLISTICS	116	855	1.5	1927	.78	1.0	U-BF	
EF-17	BALLISTICS TANK	118	144	.5	1192	.03	1/8	DD-400F	
EF-18	DRYING	129	250	.5			1/10	DD-650F	
EF-19	DRYING	130	250	.5			1/10	DD-650F	
EF-20	DRYING	117	250	.5			1/10	DD-650F	
EF-21	VAULT	114	250	.5			1/10	DD-650F	
EF-22	LUNCH ROOM	123	400	.5			1/10	DD-650F	
EF-23	JANITOR	131	90				1/10	DD-350G	

FUME HOOD MAKE UP AIR TEMPERING COIL SCHEDULE											
DESIG	SERVES	LOCATION	CFM	TEMP AIR IN	TEMP AIR OUT	AIR ΔP "H ₂ O	TEMP GLYCOL SOLUTION IN	TEMP GLYCOL SOLUTION OUT	GPM	GLYCOL ΔP IN FT	
HC-1		NINHYDRANT	570	-25	50	.2	200	170	3.7	3.5	
HC-2		GLASSWARE	360	-25	50	.2	200	170	2.3	3.5	
HC-3		TRACE EVIDENCE	570	-25	50	.2	200	170	3.7	3.5	
HC-4		TOXICOLOGY	570	-25	50	.2	200	170	3.7	3.5	
HC-5		DRUG ANALYSIS	570	-25	50	.2	200	170	3.7	3.5	
HC-6		DRUG ANALYSIS	360	-25	50	.2	200	170	2.3	3.5	
HC-7		DRUG ANALYSIS	360	-25	50	.2	200	170	2.3	3.5	

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TERMINAL UNIT SCHEDULE

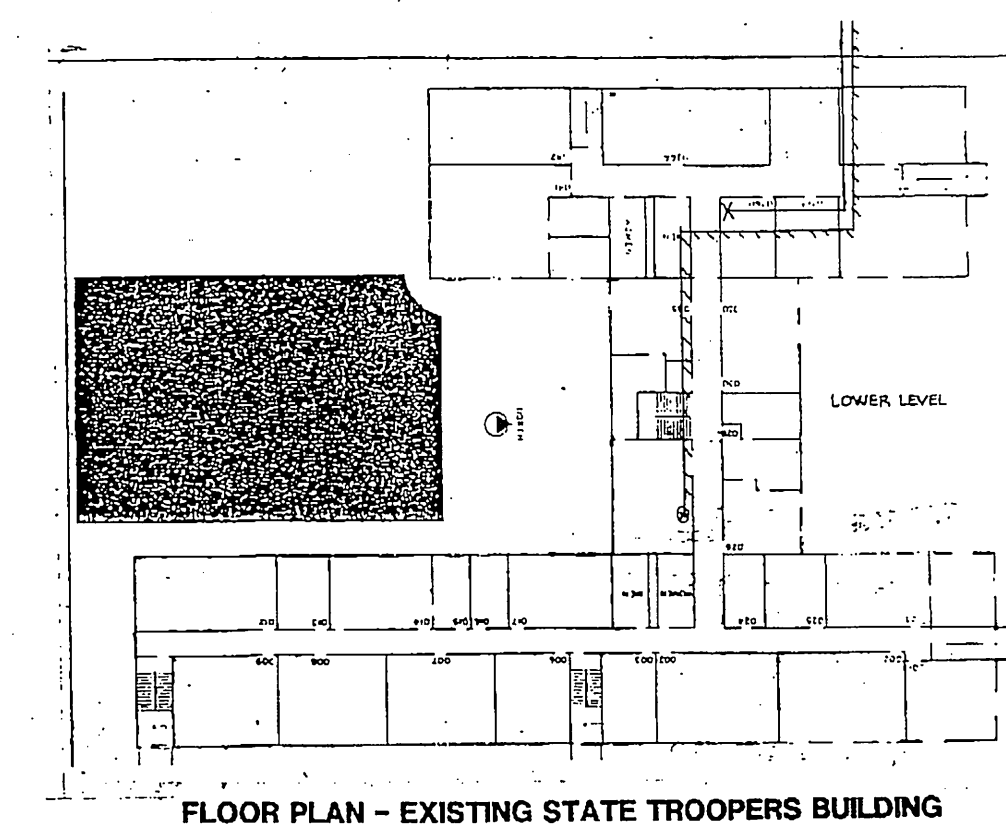
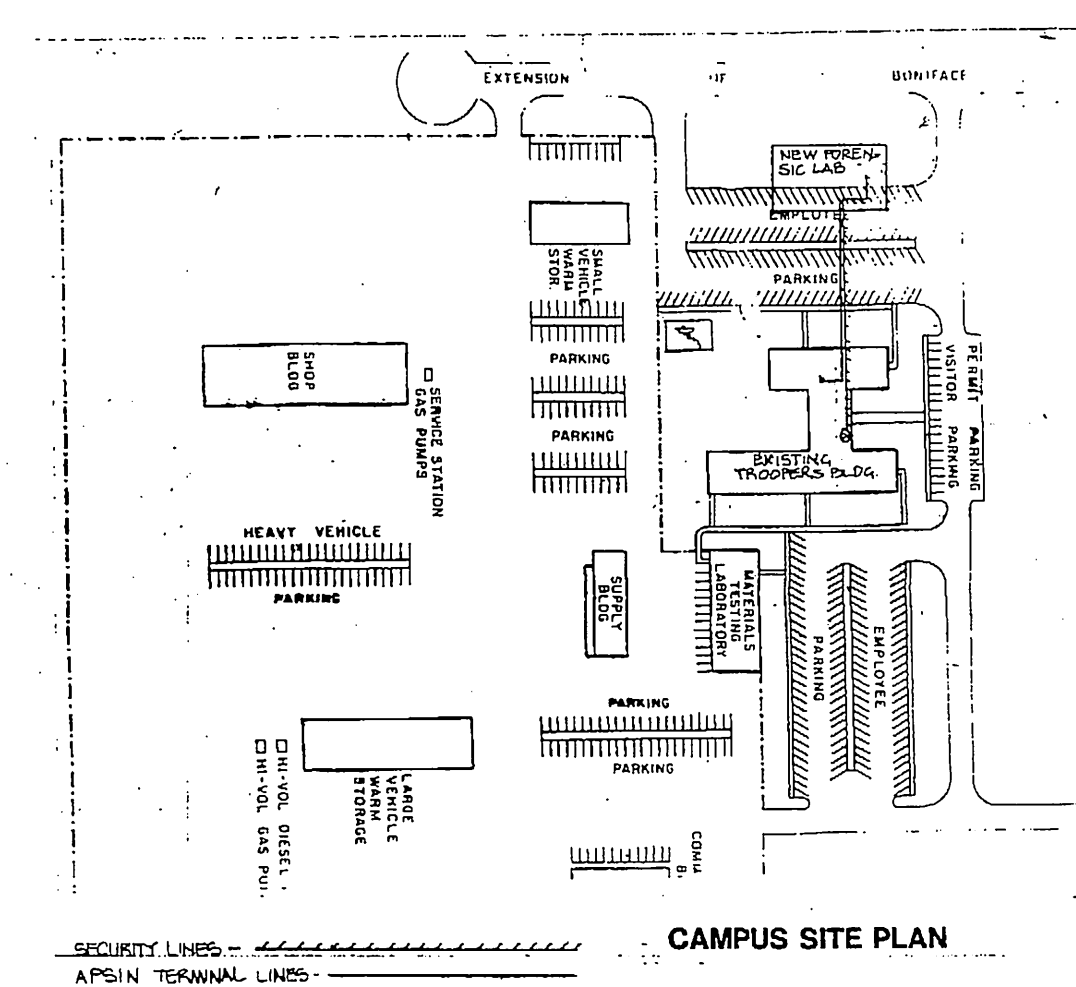
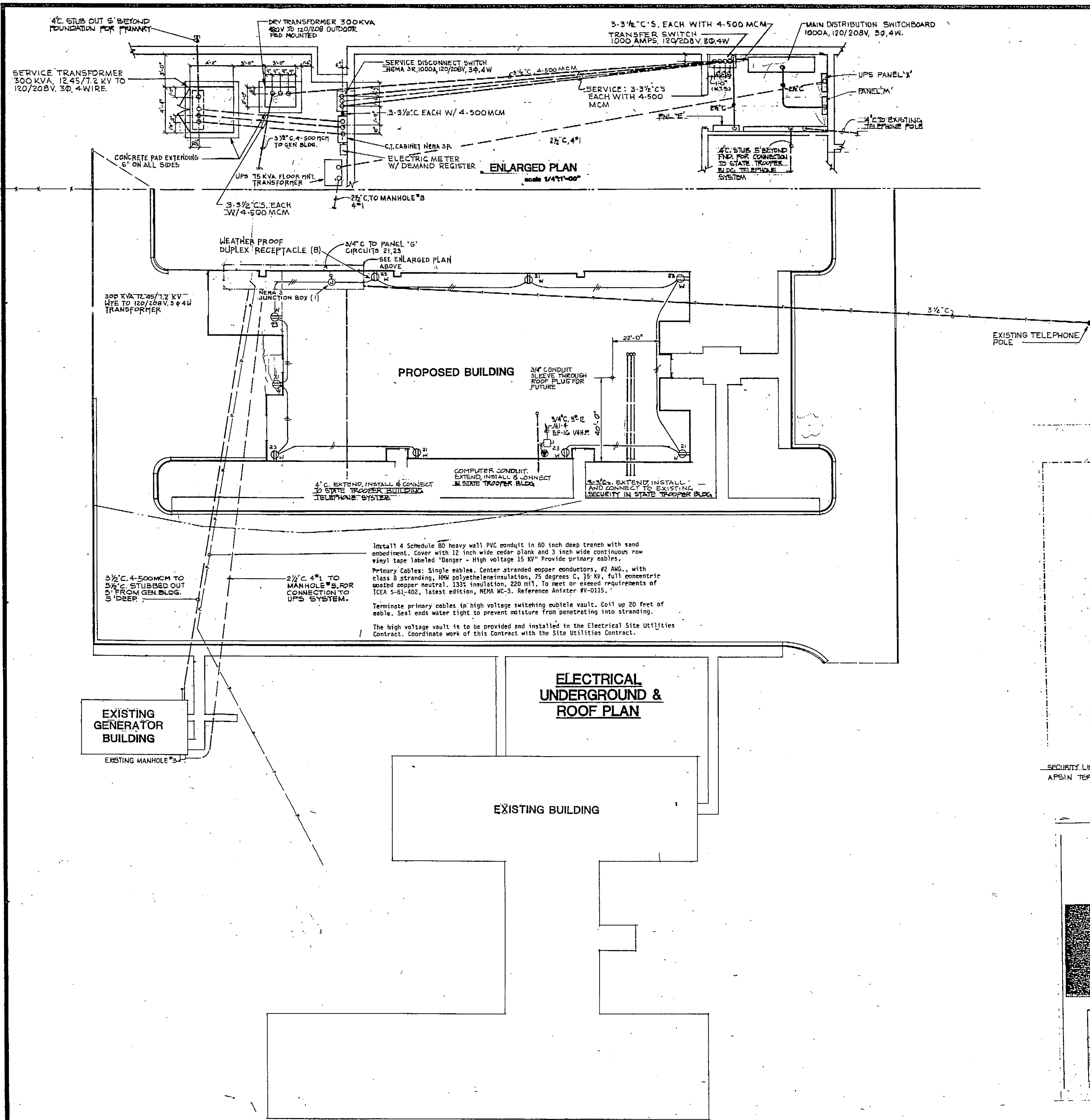
TEMPERING COIL

TEAM UNIT NO.	* MFG. DESIG.	SERVES	PRIMARY FAN SYSTEM	CFM		MAX OPER. PRESS. 1/2" H ₂ O	MAX N.C.	TEMPERING COIL												CONNECTION SIZES			VALVE SIZES				
				MIN	MAX			COIL BRING CFM	TEMP AIR IN	TEMP AIR OUT	COIL AIR IN W.C. MAX CFM	TEMP GLYCOL SOLUTION IN	TEMP GLYCOL SOLUTION OUT	CFM	GLYCOL SOLUTION ΔP IN FT. MAX.	COIL ROWS	SUPPLY (A)	RETURN (B)	BYPASS (C)	FCV		AV					
																				GPM	ΔP IN FT. MAX.	GPM	ΔP IN FT. MAX.				
1	A	ELECTRIC ROOM 147	AHU-1	350	CONST V	1/2"	32	250	60	124	.3	200	170	1.4	3.0	2	1/2"	1/2"	1/2"	1.4	4.0	1.4	4.0				
2	A	CHEM TRACE 131	AHU-1	125	CONST V	1/2"	25	125	60			200	170	0.5			3/8"	3/8"	3/8"	.5		.5					
3	A	FINGERPRINT POWDR 132	AHU-1	150	CONST V	1/2"	25	150	60			200	170	0.5			3/8"	3/8"	3/8"	.5		.5					
4	A	NINHYDRANTS 143	AHU-1	160	CONST V	1/2"	25	160	60	76.5		200	170	0.5		1	3/8"	3/8"	3/8"	.5		.5					
4A	B	NINHYDRANTS 143	AHU-3	370	CONST V	1/2"	25	370	60	72		200	170	0.5		1	3/8"	3/8"	3/8"	.5		.5					
5	A	QUESTR. DOCUMENTS 153	AHU-1	135	CONST V	1/2"	25	135	60	103		200	170	0.5			3/8"	3/8"	3/8"	.5		.5					
6	D	FINGERPRINT SECT. 154	AHU-1	480	955	1/2"	32	480	60	116		200	170	2.3			3/4"	3/4"	3/4"	2.3		2.3					
7	A	FINGERPRINT OFF. 155	AHU-1	130	300	1/2"	25	100	60	118		200	170	0.5			3/8"	3/8"	3/8"	.5		.5					
8	A	CHEM. STORAGE 156	AHU-1	130	CONST V	1/2"	25	130	60	105		200	170	0.5			3/8"	3/8"	3/8"	.5		.5					
9	D	GLASSWARE 157	AHU-1	500	CONST V	1/2"	25	500	60	77		200	170	0.7			3/8"	3/8"	3/8"	.7		.7					
9A	B	GLASSWARE 157	AHU-3	370	CONST V	1/2"	25	370	60	72		200	170	0.3	3.0		3/8"	3/8"	3/8"	.5	4.0	.5	4.0				
10	E	INSTRUMENTATION 159	AHU-2	220	580	1/2"	25	220	60	105		200	170	1.1			1/2"	1/2"	1/2"	1.1		1.1					
11	A	FTIR 160	AHU-2	110	215	1/2"	25	110	60	97	.3	200	170	0.5			3/8"	3/8"	3/8"	.5		.5					
12	B	MASS SPECTRA 161	AHU-2	120	240	1/2"	25	120	60	101		200	170	0.5			3/8"	3/8"	3/8"	.5		.5					
13	A	MEN/WOMEN/VEST. 162, 166, 164	AHU-1	400	CONST V	1/2"	25	400	60	102		200	170	1.5			1/2"	1/2"	1/2"	1.5		1.5					
15	A	PROJECTION 166	AHU-1	90	CONST V	1/2"	25	90	60	80		200	170	0.5		1	3/8"	3/8"	3/8"	.5		.5					
16	E	CLASSROOM 167	AHU-1	500	840	1/2"	25	500	60	110		200	170	2.6		2	3/4"	3/4"	3/4"	2.6		2.6					
17	E	CORRIDOR 168	AHU-1	300	1000	1/2"	25	300	60	80		200	170	.9			1/2"	1/2"	1/2"	.9		.9					
18	E	CORRIDOR 169	AHU-1	300	625	1/2"	25	500	60	80		200	170	0.5	3.0		3/8"	3/8"	3/8"	.5	4.0	.5	4.0				
	E	CORRIDOR 170																									
19	D	RECEPTION 105, 104	AHU-1	120	240	1/2"	25	220	60	90	.3	200	170	0.5		2	3/8"	3/8"	3/8"	.5		.5					
20	C	STORAGE RECORDS 106	AHU-1	120	240	1/2"	25	270	60	96		200	170	.8		1	3/8"	3/8"	3/8"	.8		.8					
21	B	TOXICOLOGY 172	AHU-2	140	345	1/2"	25	170	60	100		200	170	0.6		1	3/8"	3/8"	3/8"	.6		.6					
21A	B	TOXICOLOGY 172	AHU-3	245	440	1/2"	25	440	60	72		200	170	0.5	3.0		3/8"	3/8"	3/8"	.5		.5					
21B	B	TOXICOLOGY 172	EF-1	135	310	1/2"	25										1/2"	1/2"	1/2"	1.0		1.0					
22	C	DRUG ANALYSIS 173	AHU-2	250	585	1/2"	25	250	60	100	.3	200	170	1.0			1/2"	1/2"	1/2"	1.1		1.1					
22A	E	DRUG ANALYSIS 173	AHU-3	250	1030	1/2"	25	1030	60	72	.3	200	170	1.1			1/2"	1/2"	1/2"	1.1		1.1					
22B	C	DRUG ANALYSIS 173	EF-1	230	525	1/2"	25										1/2"	1/2"	1/2"	1.0		1.0					
23	D	TRACE EVIDENCE 174	AHU-2	250	690	1/2"	25	345	60	95	.3	200	170	1.0		1	1/2"	1/2"	1/2"	1.0		1.0					
23A	A	TRACE EVIDENCE 174	AHU-3	0	250	1/2"	25	250	60	72	.3	200	170	0.5		1	3/8"	3/8"	3/8"	.5		.5					
23B	B	TRACE EVIDENCE 174	EF-1	275	620	1/2"	25																				
24	A	CLEAN ROOM 175	AHU-2	195	CONST V	1/2"	25																				
25	A	ELECTRON MICROPS 177	AHU-2	95	195	1/2"	25	95	60	96	.3	200	170	0.5			3/8"	3/8"	3/8"	.5		.5					
26	B	SEROROLOGY 178	AHU-2	185	375	1/2"	25	185	60	95		200	170	0.6			3/8"	3/8"	3/8"	.6		.6					
26A	A	SEROROLOGY 178	AHU-3	80	270	1/2"	25	270	60	72		200	170	0.5	3.0		3/8"	3/8"	3/8"	.5	4.0	.5	4.0				
26B	B	SEROROLOGY 178	EF-1	145	335	1/2"	25										1/2"	1/2"	1/2"	1.0		1.0					
27	B	PHOTO SECT. 182, 181	AHU-1	360	CONST V		25	360	60	96		200	170	1.0			1/2"	1/2"	1/2"	1.0		1.0					
28	A	ELECTRONIC REPAIR 199	AHU-1	130	235	3/4"	25	130	60	100	.3	200	170	0.5		1	3/8"	3/8"	3/8"	.5		.5					
29	A	MEN 140	AHU-1	360	CONST V	3/4"	25	300	60	94		200	170	1.5		1	1/2"	1/2"	1/2"	1.5		1.5					
		WOMEN 141																									
30	G	NECROPSY 133	AHU-1	1765	CONST V	3/4"	25	1765	60	79		200	170	2.9		1	3/4"	3/4"	3/4"	2.9		2.9					
31	A	X-RAY 134	AHU-1	285	CONST V	3/4"	25	285	60	94		200	170	0.8		1	1/2"	1/2"	1/2"	.8		.8					
32	E	VEHICLE INSPECT 126	AHU-1	750	CONST V	3/4"	25	750	60	102		200	170	2.7		2	3/4"	3/4"	3/4"	2.7		2.7					
33	B	LUNCHROOM 123	AHU-1	420	CONST V	3/4"	25	210	60	115		200	170	1.0	3.0		1/2"	1/2"	1/2"	1.0	4.0	1.0	4.0				
34	B	FIREARMS 120	AHU-1	200	400	3/4"	25	200	60	87		200	170	0.5		1	3/8"	3/8"	3/8"	.5		.5					
35	D	EVIDENCE STOR. 119	AHU-1	600	CONST V	3/4"	25	600	60	91		200	170	1.6		2	3/4"	3/4"	3/4"	1.6		1.6					
36	C	EVIDENCE REC'D 116	AHU-1	450	CONST V	3/4"	25	450	60	91		200	170	1.4		2	3/4"	3/4"	3/4"	1.4		1.4					
37	B	EVIDENCE REC'D 115	AHU-1														3/8"	3/8"	3/8"	.7		.7					
37	B	ADMIN. ASSISTANT 109	AHU-1	100	185	3/4"	25	170	60	124		200	170	0.7		1	3/8"	3/8"	3/8"	.7		.7					
38	A	HEAD CHEMIST 111	AHU-1	100	210	3/4"	25	100	60	118		200	170	0.5		1	3/8"	3/8"	3/8"	.5		.5					
39	A	LAB DIRECTOR 112	AHU-1	130	210	3/4"	25	130	60	120		200	170	0.7	3.0	2	1/2"	1/2"	1/2"	.7	4.0	.7	4.0				
40	C	CONF./LIBRARY 107	AHU-1	220	80	3/4"	25	220	60	113		200	170	1.1	3.0	2	1/2"	1/2"	1/2"	1.1	4.0	1.1	4.0				
42	A	DRY 125	AHU-1	160	CONST V	3/4"	25																				
43	A	DRY 130	AHU-1	160	CONST V	3/4"	25																				
44	A	DRY 117	AHU-1	230	CONST V	3/4"	25																				
45	A	VAULT 114	AHU-1	230	CONST V	3/4"	25																				
46	A	CLEAN ROOM 175	EF-1	175	CONST V	3/4"	25																				
47	A	ELECTRON MICROPS 177	EF-1	175	CONST V	3/4"	25																				
48	A	FTIR 160	EF-1	110	215	3/4"	25																				
49	D	INSTRUMENTATION 159	EF-1	320	640	3/4"	25																				
50	A	MASS SPECTRA 161	EF-1	120	240	3/4"	25																				
51	P	LOBBY	AHU-1	1200	2000	1/2"	35	1200	60	83	.3	200	170	2.5	3.0	2	3/4"	3/4"	3/4"	2.5	4	2.5	4				

* UNIT SELECTIONS BASED ON TEMPMASTER 11 S-7

LINEAR SLOT DIFFUSER SCHEDULE

DESIG	SERVES	CFM	LENGTH FT./SLOT	THROW FT	THROW DIRECTION	MAX NC	REMARKS
1	CLASSROOM 167	210	4/2	6	2-WAY	35	TYP OF 4
12	INSTRUMENT 'N 159	290	4/2	6	2-WAY	35	TYP OF 2
13	MASS SPECTRUM 161	120	2/2	8	2-WAY	35	TYP OF 2-GYP. CLGT.
15	FTIR 160	110	2/2	5	2-WAY	35	TYP OF 2-GYP. CLGT.
22	TOXICOLOGY 172	440	4/2	5	2-WAY	35	
23	TOXICOLOGY 172	345	4/2	5	2-WAY	35	
25	DRUG ANALYSIS 173	515	4/4	9	2-WAY	35	TYP OF 2
26	DRUG ANALYSIS 173	585	4/4	9	2-WAY	35	
28	SEROLOGY 178	270	4/2	5	2-WAY	35	
29	SEROLOGY 178	375	4/2	5	2-WAY	35	
31	TRACE EVIDENCE 174	345	4/2	9	2-WAY	35	TYP OF 2
32	TRACE EVIDENCE 174	290	4/2	9	2-WAY	35	
34	CONF/LIBRARY 107	120	2/2	9	1-WAY	35	TYP. OF 4
39	ADMIN. ASSISTANT 109	160	4/2	10	2-WAY	35	
42	LAB DIRECTOR 112	265	4/2	8	2-WAY	35	
43	HEAD CHEMIST 111	300	4/2	6	2-WAY	35	
56	FINGERPRT OFF. 155	300	4/2	8	2-WAY	35	
57	FINGERPRT SECT. 154	300	4/2	6	2-WAY	35	TYP. OF 2
58	FINGERPRT SECT. 134	150	4/2	6	2-WAY	35	TYP. OF 2
59	FINGERPRT SECT. 134	50	2/1	15	1-WAY	35	
100	EL. MICROSCOPE 177	195	1/2	5	1-WAY	35	
107	CORRIDOR 169, 170	125	2/2	15	2-WAY	35	TYP OF 5
110	REC/CLER 104, 105	120	2/2	8	1-WAY	35	TYP OF 2
111	STOR/RECORD 103, 106	60	2/2	6	1-WAY	35	TYP OF 4
112	CORRIDOR 168, 170	120	2/2	8	2-WAY	35	TYP OF 5
115	FIREARMS 120	220	2/2	8	2-WAY	35	TYP OF 2
117	BALLISTICS RANGE 118	385	1/2	12	1-WAY	35	TYP OF 2
52	VAULT 114	230	1/2	6	1-WAY	35	ADDITIONAL FOR TOP INLET





GDM & associates inc.
ARCHITECTS

ANCHORAGE STATEWIDE FORENSIC LABORATORY
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER: A-1003

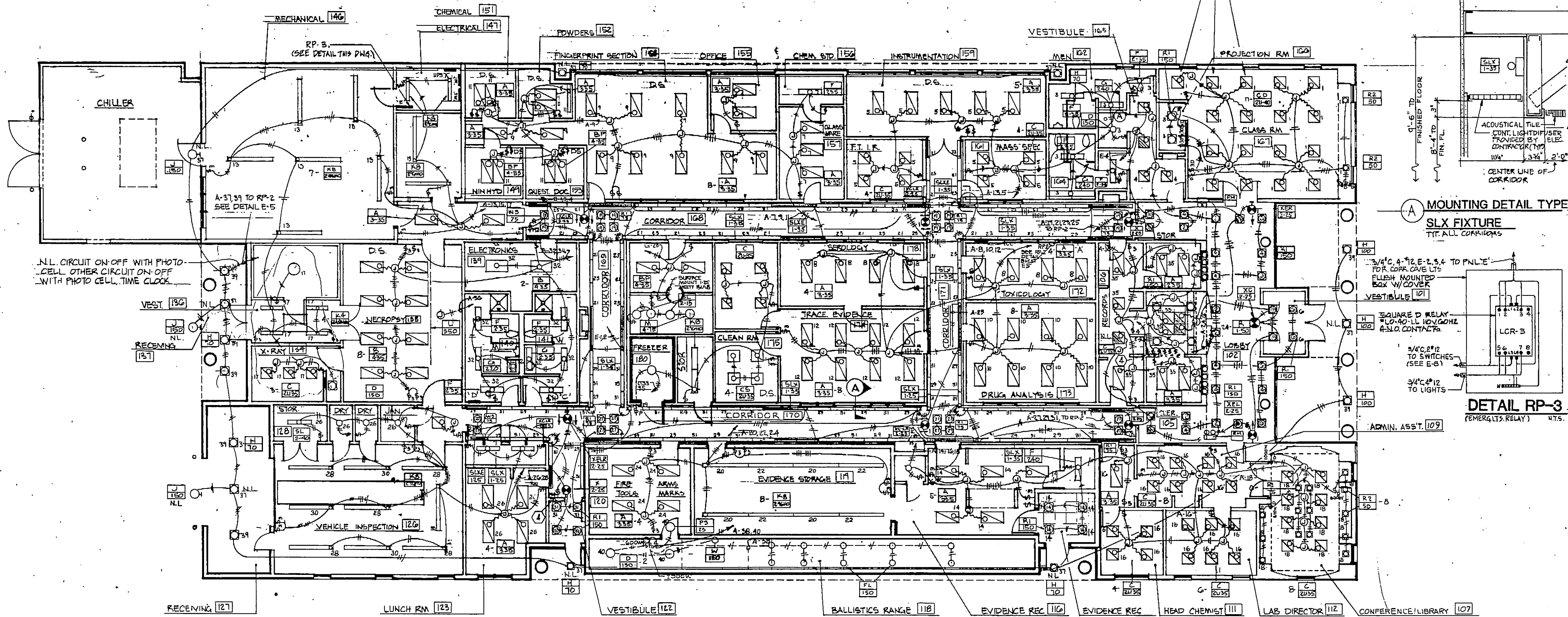
**1"=20' SCALE SITE PLAN
ELECTRICAL
UNDERGROUND &
ROOF PLAN**

JOB NO. 83-70

E-1

OF 8

DATE 12 JULY 84



ELECTRICAL FLOOR PLAN - LIGHTING

1/8"=1'-0"

MEDICAL ILLUMINATION INC.
10110 Corporate Center
Van Nuys, California 91410
(818) 705-0751

INSTALLATION PROCEDURES FLEXI/GLIDE LIGHT TRACK MODEL NO. 014011

ITEM	DESCRIPTION	PART NO.	QTY
1	PLYWOOD PALLET	1001001	1
2	BASE TRACK EXTENSION	1001002	1
3	SLIDE PANEL	1001003	1
4	TRAY	1001004	1
5	DRY COVER	1001005	2
6	END PLATE	1001006	2
7	STOP	1001007	4

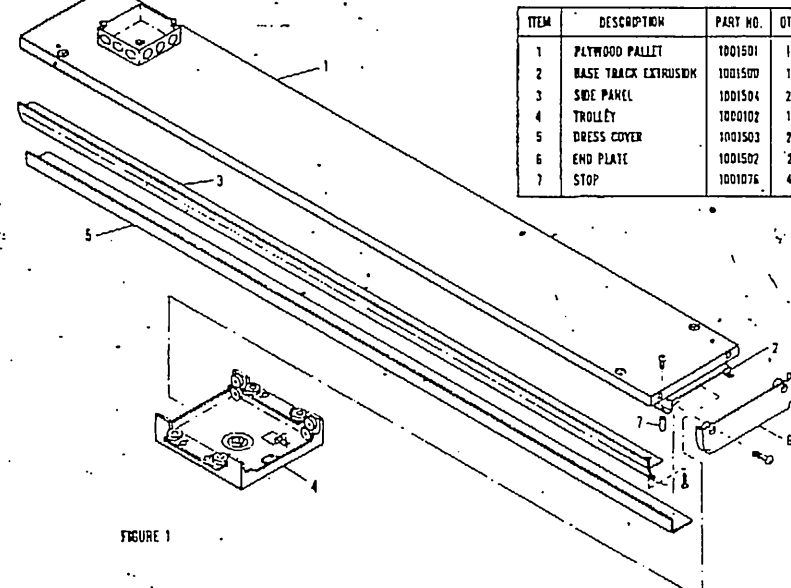


FIGURE 1. DISASSEMBLY OF TRACK ASSEMBLY BEFORE INSTALLATION

The Track Assembly is shipped fully assembled and must be disassembled prior to installation. Disassemble Track Assembly in accordance with Figure 1.

NOTE: It is not necessary to remove Base Track Extension (Item 2, Figure 1) from Plywood Pallet (Item 1, Figure 1). It is not necessary to disassemble Tray (Item 4, Figure 1).

INSTALLATION

ELECTRICAL Provide a 3.0 Amp, 117 VAC, 60 Hz supply line to track junction box (included in shipment).

STRUCTURAL After selecting site for Track installation refer to Figure 2 and 3 showing possible location of wood joists.

NOTE: Make certain to leave a minimum of 50 inches from center line of trolley to existing walls to provide for freedom of lamp movement.

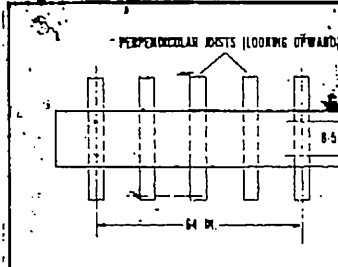


FIGURE 2. MOUNTING PALLET TO PERPENDICULAR WOOD JOISTS

INSTALLATION PROCEDURE

- Mount Plywood Pallet including Base Track Extension to selected site with a minimum of four 1/4 x 4 inch lag screws (not provided). Make certain power cord is held securely in place with clamp provided.
- Install two Dry Covers (Item 5, Figure 1) with three set screws.
- Insert Tray (Item 4, Figure 1) into track of Base Track Extension with power back-up as shown in Figure 4.
- NOTE: Power cord should form a radius within Dry Covers as trolley rolls along channel.
- Ensure that Tray rolls freely. If adjustment is necessary, refer to Figure 5. Loosen adjustment screws and position side rollers against Base Track Extension. Tighten screws.
- Replace and tighten Stops (Item 7, Figure 1).
- Install Side Panel (Item 3, Figure 1) with screws provided.
- Attach End Plate (Item 6, Figure 1) with screws provided.

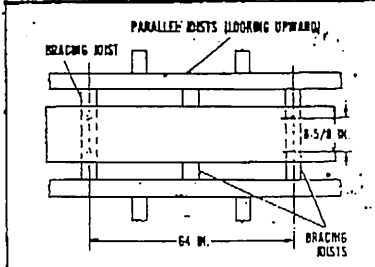
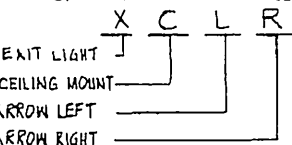


FIGURE 3. MOUNTING PALLET TO PARALLEL WOOD JOISTS

NOTE:

- DS-INDICATES TWO LEVEL SWITCHING.
- S-CENTER LAMP.
- 2-TWO OUTBOARD LAMPS.
- FOR DETAIL ON RP-2 SEE SHI E-5.
- SEE SHI A-15 FOR PANEL LOCATIONS.
- SWITCHES #2 THRU #6, #8, #9, #10, #11, #12, #13, #14, #15, #16, #17, #18, #19, #20, #21, #22, #23, #24, #25, #26, #27, #28, #29, #30, #31, #32, #33, #34, #35, #36, #37, #38, #39, #40, #41, #42, #43, #44, #45, #46, #47, #48, #49, #50, #51, #52, #53, #54, #55, #56, #57, #58, #59, #60, #61, #62, #63, #64, #65, #66, #67, #68, #69, #70, #71, #72, #73, #74, #75, #76, #77, #78, #79, #80, #81, #82, #83, #84, #85, #86, #87, #88, #89, #90, #91, #92, #93, #94, #95, #96, #97, #98, #99, #100 SHALL BE POSITION 2 CIRCUIT, MOMENTARY CONTACT SWITCHES. SEE DWG. E-8 FOR WIRING DIAGRAM.

SAMPLE EXIT LIGHT NUMBER:



EXIT LIGHT NUMBER INDICATES CXT. NUMBER.

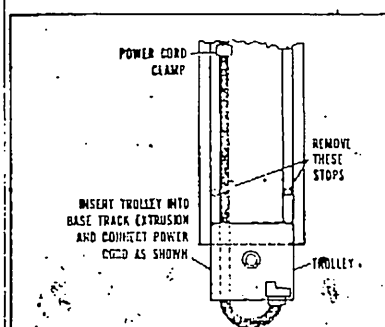


FIGURE 4. RAISING TROLLEY AND CONNECTING POWER CORD

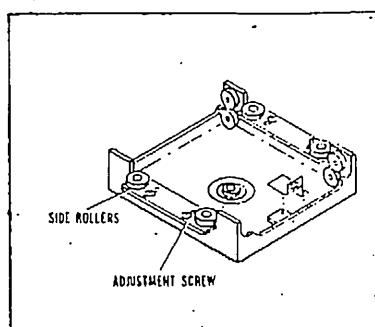
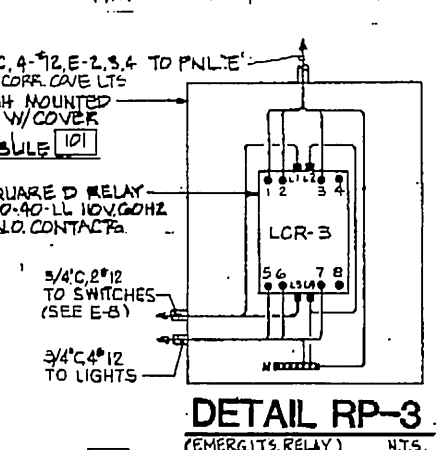


FIGURE 5. TROLLEY ADJUSTMENT

ITEM	DESCRIPTION	PART NO.	QTY
A-3-35	Fluorescent troffer for mounting in a tee bar ceiling. Parabolic aluminum louvers with semi-specular finish. Provide fixtures with tandem wired ballasts with center lamp on one ballast and the two outboard lamps on the other ballast. In areas requiring an odd fixture, place the center lamp on a separate ballast. Provide energy efficient ballast and lamps.	Lithonia 2PM 6 B 340 24 120 ES ELP or equivalent in Day Brite or Columbia	1
B-4-35	Surface mounted fluorescent fixture, white metal can with hinged and latched door assembly. Regressed "low brightness" lens. For 4 rapid start energy efficient lamps. Holophane Controls.	Lithonia 2M 440 M 84Y 120 ES ELP or equivalent in Day Brite or Columbia	1
C-20-35	Fluorescent troffer similar to Type A except 24" X 24" for two U-shaped lamps. 16 cell.	Lithonia PM 6 B 2U40 16 120 ES ELP or equivalent in Day Brite or Columbia	1
D-150	Surface incandescent lighting fixture. Threaded opal glass diffuser. 150 watt A-21 medium base lamp.	Marco B 12	1
EM	EMERGENCY WALL PACK BATTERY LIGHTING UNIT.	LITHONIA ELC-2	1
F-2-35	Surface mounted fluorescent, acrylic wrap around lens. For two rapid start lamps.	Day Brite Vigilante V11240-4	1
G-2-35	Lavatory wall bracket. Two lamp fluorescent. Same as Type SLX/2-40	Day Brite Vigilante V11240-4	1
H-100	Exterior recessed, Round regressed trim with wide angle glass lens. High pressure sodium vapor lamp with wattage as shown. -20°F ballast, 120 volt. U.L. damp label.	Marco HR305794, 306796 /06	1
I	None		
J-150	Exterior wall bracket. Metal base with polycarbonate resin refractor. 150 watt M.P.S. lamp. -20°F, 120V ballast.	General Electric C583N501.	1
K4-2-40	Industrial fluorescent, 25% up light. Provide with wire guard. Space 2 inches from ceiling.	Day Brite CFI-25 R-81252W-4 7934-4	1
K8-2-96H	Same as Type K4 except 96" long.	Day Brite CFI-25 R-81252W-4 7934-4	1
L-350	Surgery track lighting unit. Provide double track and double fixture. See mounting details on drawings. Install track, mount fixtures and assemble complete.	Medical Illumination, Inc. Fixture, Double Assembly #011515 Track Assembly, Double #014012	1
RI-XXX	Low brightness recessed incandescent open aperture down light. Lamp size as shown on drawings. For medium base A lamps.	Marco D201265	1

1. Lighting controller, Lutron #FDA-40.
2. One Master Control Card, Lutron #FC-2
3. One multi-station control interface, Lutron #MCI-MD-1F
4. Three Control Stations, Lutron #SMOTE

MOUNTING DETAIL TYPE SLX FIXTURE TYP. ALL CORRIDORS



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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN PROJECT NUMBER X-10023

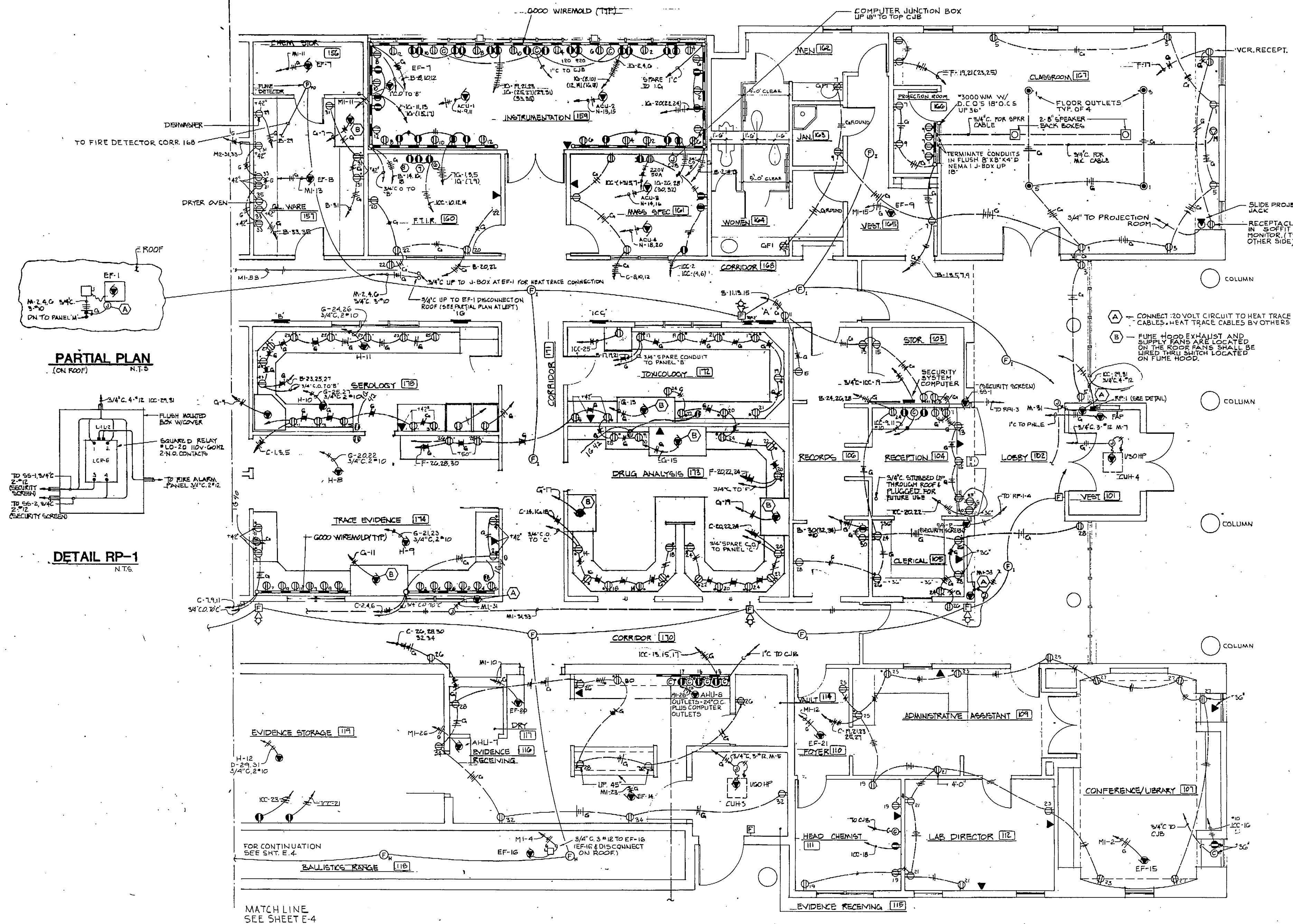
ANCHORAGE STATEWIDE FORENSIC LABORATORY
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN PROJECT NUMBER X-10023

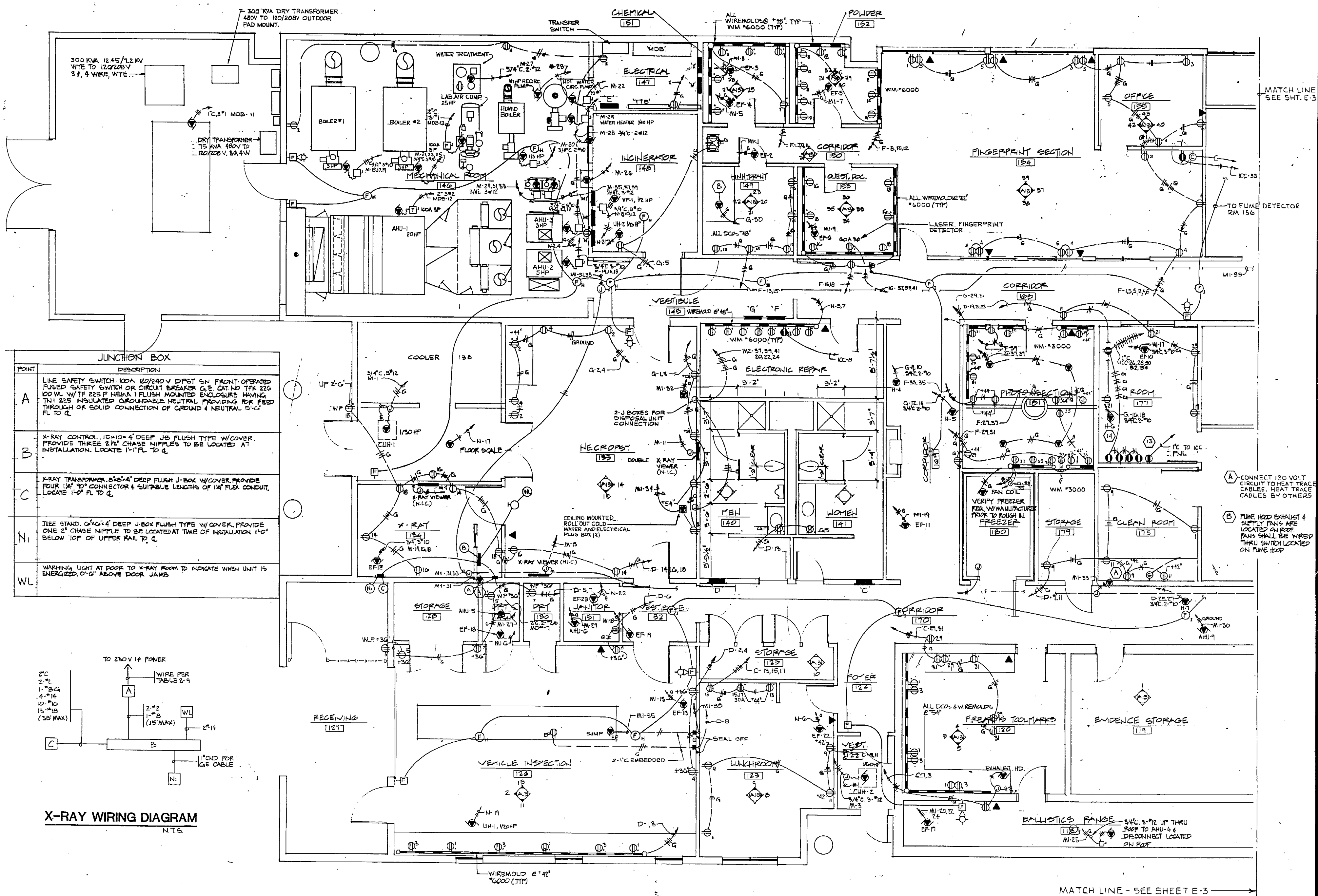
1/8" SCALE FLOOR PLAN & LIGHTING PLAN & FIXTURE SCHEDULE

JOB NO. 83-70

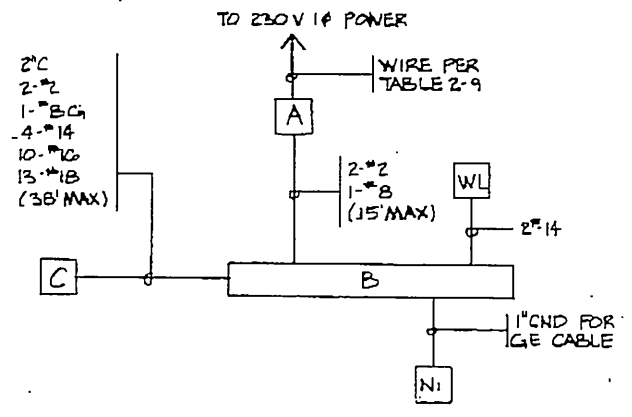
E-2

OF 8
DATE 15 JULY 84





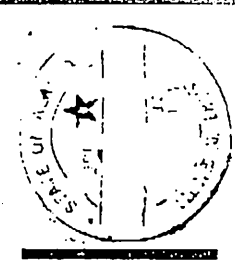
POINT	DESCRIPTION
A	LINE SAFETY SWITCH 100A 120/240 V DPST 6N FRONT OPERATED FUSED SAFETY SWITCH OR CIRCUIT BREAKER G.E. CAT NO TFR 226 DO WL W/TF 225 F NEMA 1 FLUSH MOUNTED ENCLOSURE HAVING TINI 225 INSULATED GROUNDABLE NEUTRAL PROVIDING FOR FEED THROUGH OR SOLID CONNECTION OF GROUND & NEUTRAL 5'-0" FL TO C
B	X-RAY CONTROL 15x10x4 DEEP J-B FLUSH TYPE W/COVER PROVIDE THREE 2 1/2" CHASE NIPPLES TO BE LOCATED AT INSTALLATION. LOCATE 1'-1" FL TO C
C	X-RAY TRANSFORMER 5x6x4 DEEP FLUSH J-B W/COVER PROVIDE FOUR 1 1/2" CHASE NIPPLES TO BE LOCATED AT INSTALLATION. LOCATE 1'-0" FL TO C
N1	TUBE STAND 6x6x4 DEEP J-B FLUSH TYPE W/COVER PROVIDE ONE 2" CHASE NIPPLE TO BE LOCATED AT TIME OF INSTALLATION 1'-0" BELOW TOP OF UPPER RAIL TO C
WL	WARNING LIGHT AT DOOR TO X-RAY ROOM TO INDICATE WHEN UNIT IS ENERGIZED. 0'-6" ABOVE DOOR JAMBS



X-RAY WIRING DIAGRAM
N.T.S.

ELECTRICAL POWER & SIGNAL - SOUTH

NOTE:
1. SEE SHT A-15 FOR PANEL LOCATIONS



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ANCHORAGE STATEWIDE FORENSIC LABORATORY
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 10000
ANCHORAGE, ALASKA 99507
PHONE 263-2555
FAX 263-2555

1/4" SCALE FLOOR PLAN ELECTRICAL POWER & SIGNAL SOUTH

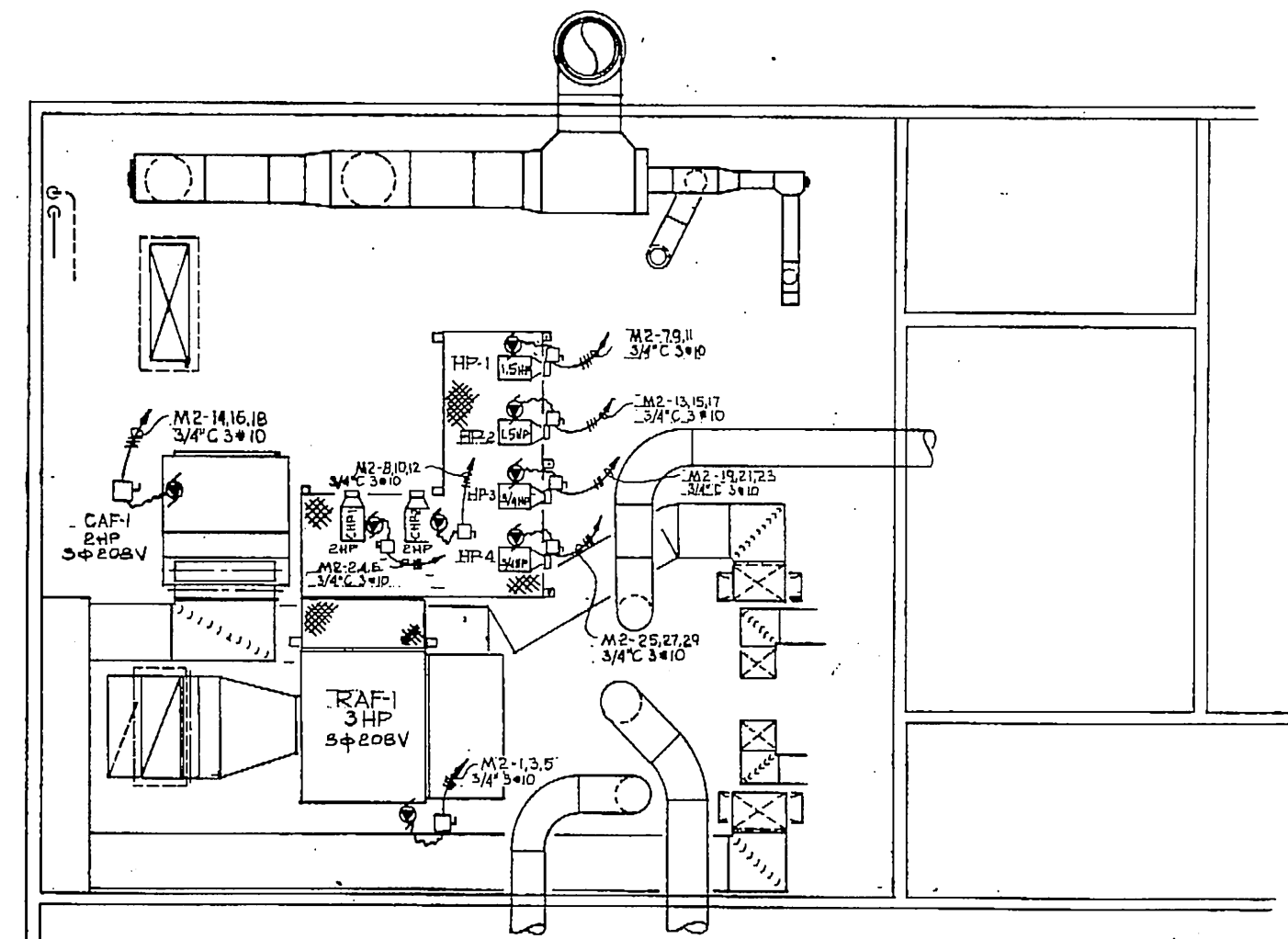
E-4

JOB NO. 83-70

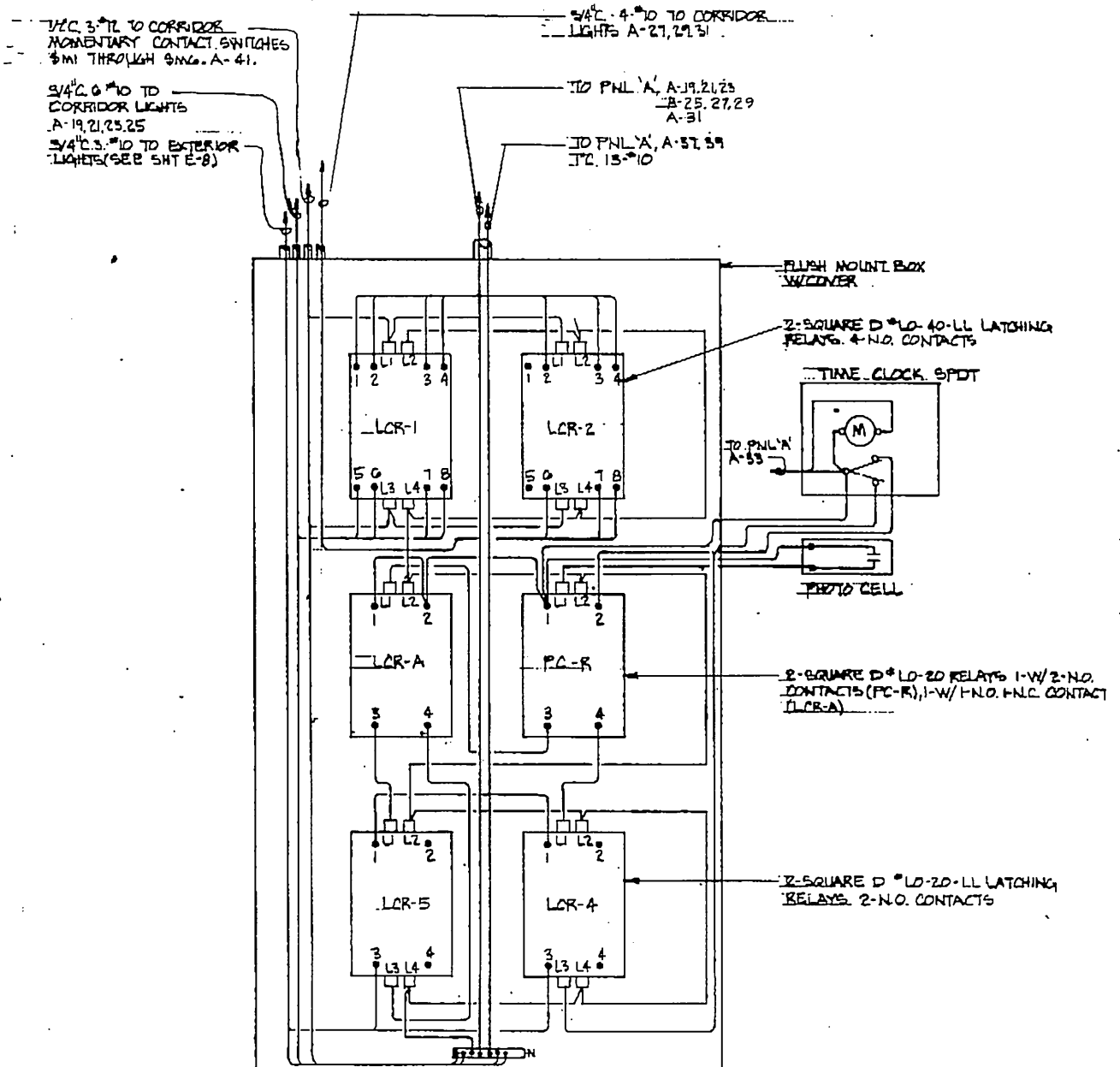
DATE 13 JULY 84

PANEL SCHEDULE									
NO.	LOCATION	MECH. ROOM	120/208	VOLTS	3	PHASE	4	WIRE	
CTK NO.	LOAD DESCRIPTION	KVA	TRIP AMPS	CTK NO.	LOAD DESCRIPTION	KVA	TRIP AMPS	CTK NO.	
1	RA-1 RETURN AIR FAN	3HP	20A	20	2HP 1 CHILLED WATER PUMP			2	
2	HP-1 HEATING WATER PUMP	15HP		21	2HP 2 CHILLED WATER PUMP			3	
3				22	2HP 3 CHILLED WATER PUMP			4	
4				23	2HP 4 CHILLED WATER PUMP			5	
5				24	2HP 5 CHILLED WATER PUMP			6	
6				25	2HP 6 CHILLED WATER PUMP			7	
7				26	2HP 7 CHILLED WATER PUMP			8	
8				27	2HP 8 CHILLED WATER PUMP			9	
9				28	2HP 9 CHILLED WATER PUMP			10	
10				29	2HP 10 CHILLED WATER PUMP			11	
11				30	2HP 11 CHILLED WATER PUMP			12	
12				31	2HP 12 CHILLED WATER PUMP			13	
13				32	2HP 13 CHILLED WATER PUMP			14	
14				33	2HP 14 CHILLED WATER PUMP			15	
15				34	2HP 15 CHILLED WATER PUMP			16	
16				35	2HP 16 CHILLED WATER PUMP			17	
17				36	2HP 17 CHILLED WATER PUMP			18	
18				37	2HP 18 CHILLED WATER PUMP			19	
19				38	2HP 19 CHILLED WATER PUMP			20	
20				39	2HP 20 CHILLED WATER PUMP			21	
21				40	2HP 21 CHILLED WATER PUMP			22	
22				41	2HP 22 CHILLED WATER PUMP			23	
23				42	2HP 23 CHILLED WATER PUMP			24	
24									
25									
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27									
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41									
42									
REMARKS:		CONNECTED LOAD		24.5 KVA		AMPS			
		DEMAND LOAD		17.9 KVA		AMPS			

- ELECTRICAL SYMBOLS**
- Branch circuit concealed in wall or ceiling.
 - Branch circuit in floor or buried in earth.
 - Branch circuit run exposed.
 - Branch circuit home run, better indicates ~~branch~~ ^{main} ~~run~~ ^{line}, numeral designates circuit number in panel board, ~~indicates~~ ^{indicates} ground.
 - Surface metal raceway, type as indicated.
 - Lighting fixture, ceiling mounted.
 - Lighting fixture, recessed mounted.
 - Lighting fixture, wall bracket.
 - Lighting fixture, fluorescent, surface mounted.
 - Lighting fixture, fluorescent, recessed mounted.
 - Lighting fixture connected to emergency night light circuit. Provide with standby battery unit and inverter.
 - Lighting fixture, exit sign, provide with standby battery unit and inverter.
 - Lighting fixture, wall mounted standby battery unit.
 - Junction box.
 - Convenience outlet, 20 ampere, 120 volt, duplex. With isolated U-slot grounding terminal (D.C.O.).
 - D.C.O. mounted above counter top. Up 45°. Verify with Architectural cabinet details prior to installation.
 - D.C.O. with ground fault detection circuit.
 - D.C.O., 20 ampere, 208 volt, with isolated ground terminal.
 - 120/208 volt, three wire outlet, type as shown.
 - Hard-wired connection to equipment.
 - Electric Motor operated device.
 - Disconnect or Safety switch.
 - Disconnect or Safety switch, Fused.
 - Lighting control switch, single pole.
 - Lighting control switch 3 way.
 - Lighting control switch, 4 way.
 - Lighting control switch, momentary contact.
 - Control switch with pilot light.
 - Light dimming switch, wattage as noted.
 - Telephone outlet, wall mounted, up 12" or as noted.
 - Microphone outlet.
 - Public address speaker.
 - D.C.O. on dedicated circuit. Isolated grounding type.
 - Key operated control switch.
 - Fire Alarm Panel Board and Annunciator.
 - Fire Alarm manual control station, wall mount, up 45°.
 - Fire Alarm automatic station, ionization type, ceiling mount.
 - Fire Alarm automatic station, smoke detection type, ceiling mount.
 - Fire Alarm automatic station, heat detection type, ceiling mount.
 - Fire Alarm horn with visual mode.
 - T.C. Time clock.
 - N.L. Night Light.
 - W.P. Weatherproof.
 - E.C. Electrical Contractor.
 - C.B. Circuit Breaker.
 - P.C. Photo-cell.
 - NEC National Electrical Code.
 - W/ With.
 - D.C.O. Duplex convenience outlet.
 - Ckt. Circuit.
 - T.T.B. TELEPHONE TERMINAL BOARD.
 - P.D. PULSE DETECTOR.
 - C.D. COMPUTER DATA LINE OUTLET.
 - D.C.O. FLOOR OUTLET.
 - S.P. SLIDE PROJECTOR JACK.
 - ELECTRICAL PANELS.

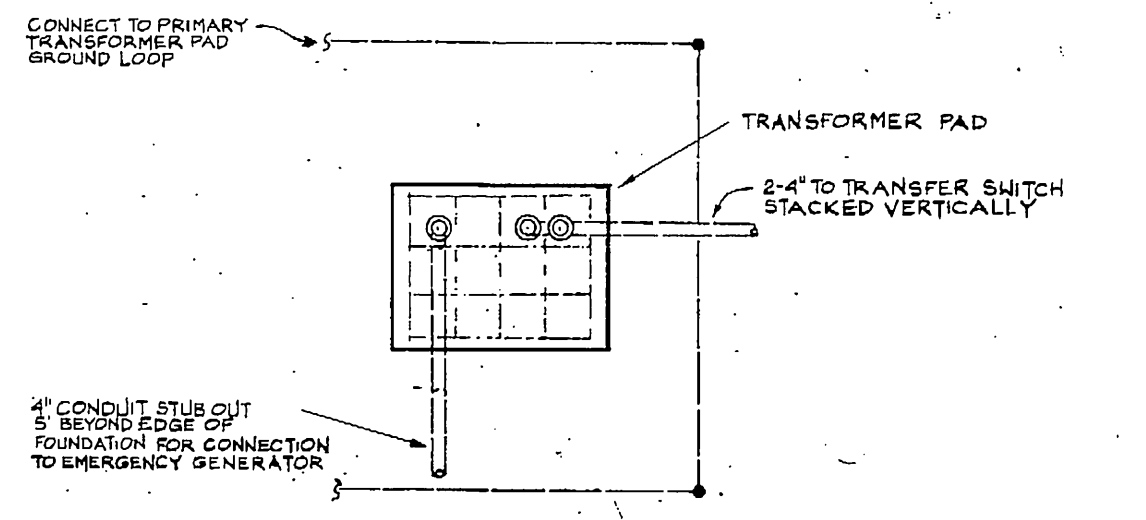
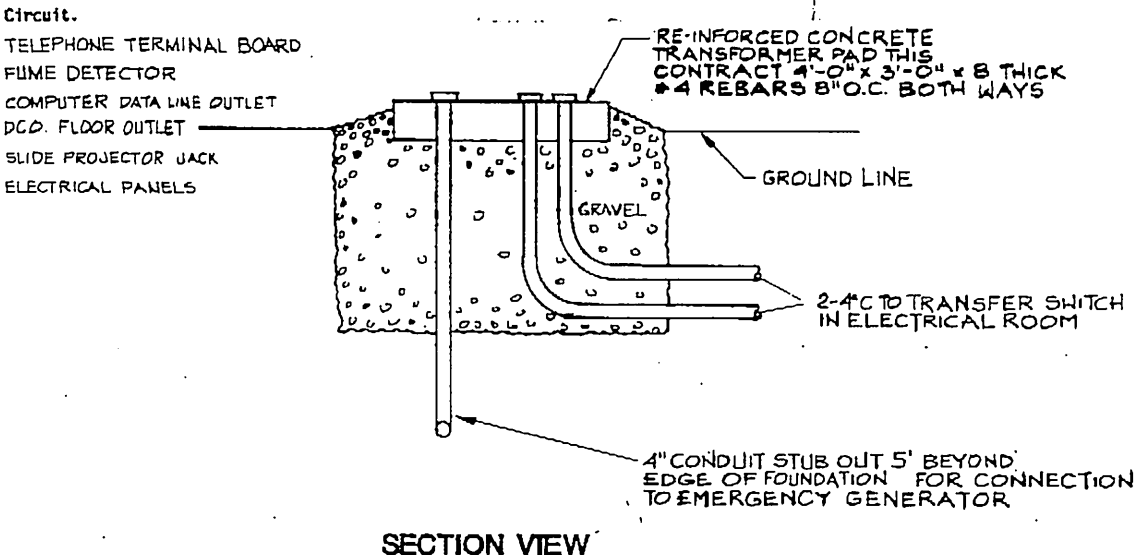


MECHANICAL ROOM UPPER LEVEL
N.T.S.

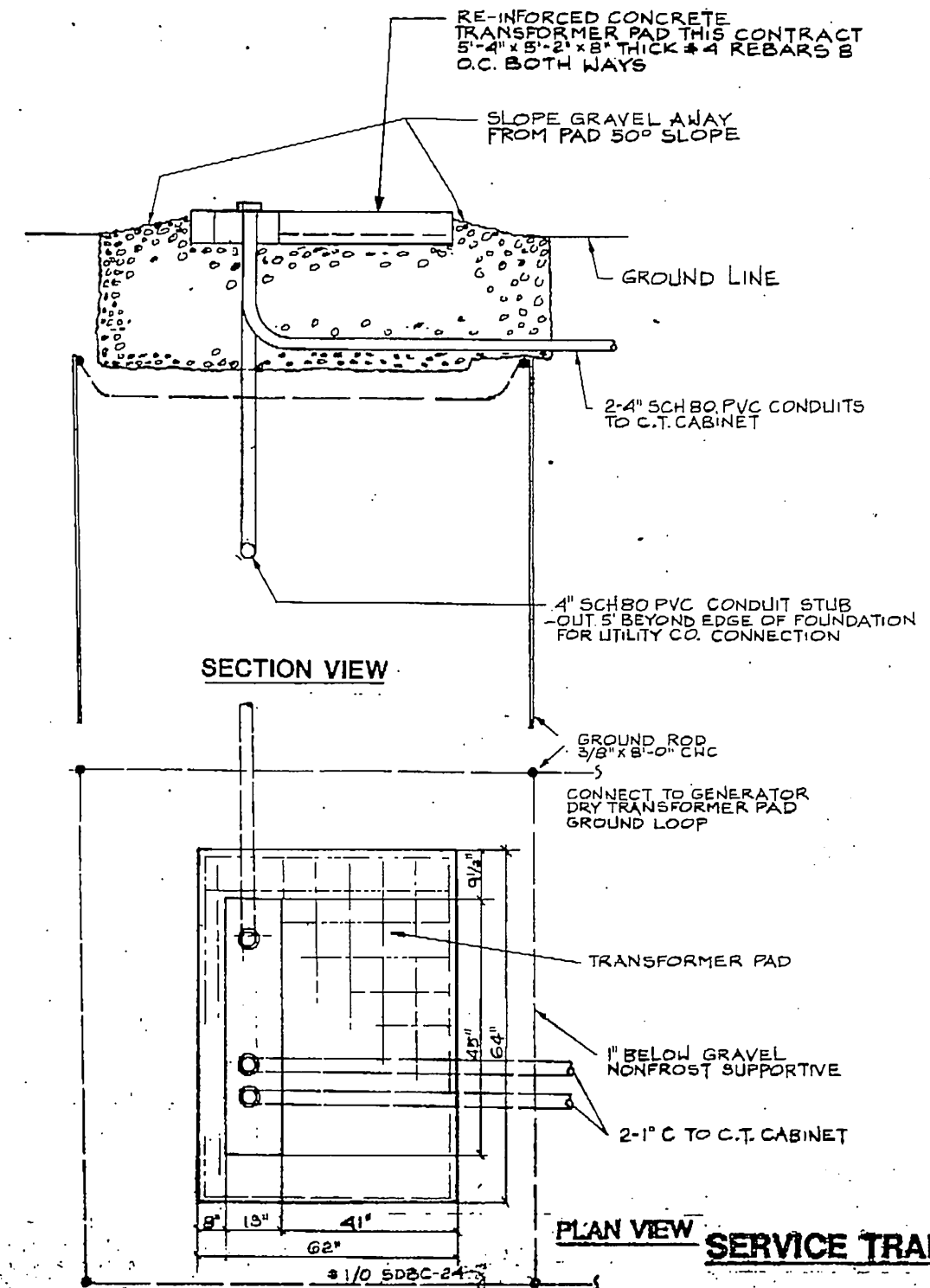


DETAIL RP-2
(SEE E-5 FOR WIRING DIAGRAM)
N.T.S.

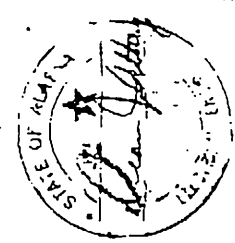
PANEL SCHEDULE									
NO.	LOCATION	MECH. ROOM	120/208	VOLTS	3	PHASE	4	WIRE	
CTK NO.	LOAD DESCRIPTION	KVA	TRIP AMPS	CTK NO.	LOAD DESCRIPTION	KVA	TRIP AMPS	CTK NO.	
1	D.C.O.'S EVIDENCE STORAGE	5	20A	10	D.C.O.'S MECHANICAL ROOM			2	
2				11				3	
3				12				4	
4				13				5	
5				14				6	
6				15				7	
7				16				8	
8				17				9	
9				18				10	
10				19				11	
11				20				12	
12				21				13	
13				22				14	
14				23				15	
15				24				16	
16				25				17	
17				26				18	
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19				28				20	
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21				30				22	
22				31				23	
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26				35				27	
27				36				28	
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37									
38									
39									
40									
41									
42									
REMARKS:		CONNECTED LOAD		32.0 KVA		AMPS			
		DEMAND LOAD		12.8 KVA		AMPS			



EMERGENCY TRANSFORMER
N.T.S.



PLAN VIEW SERVICE TRANSFORMER
N.T.S.



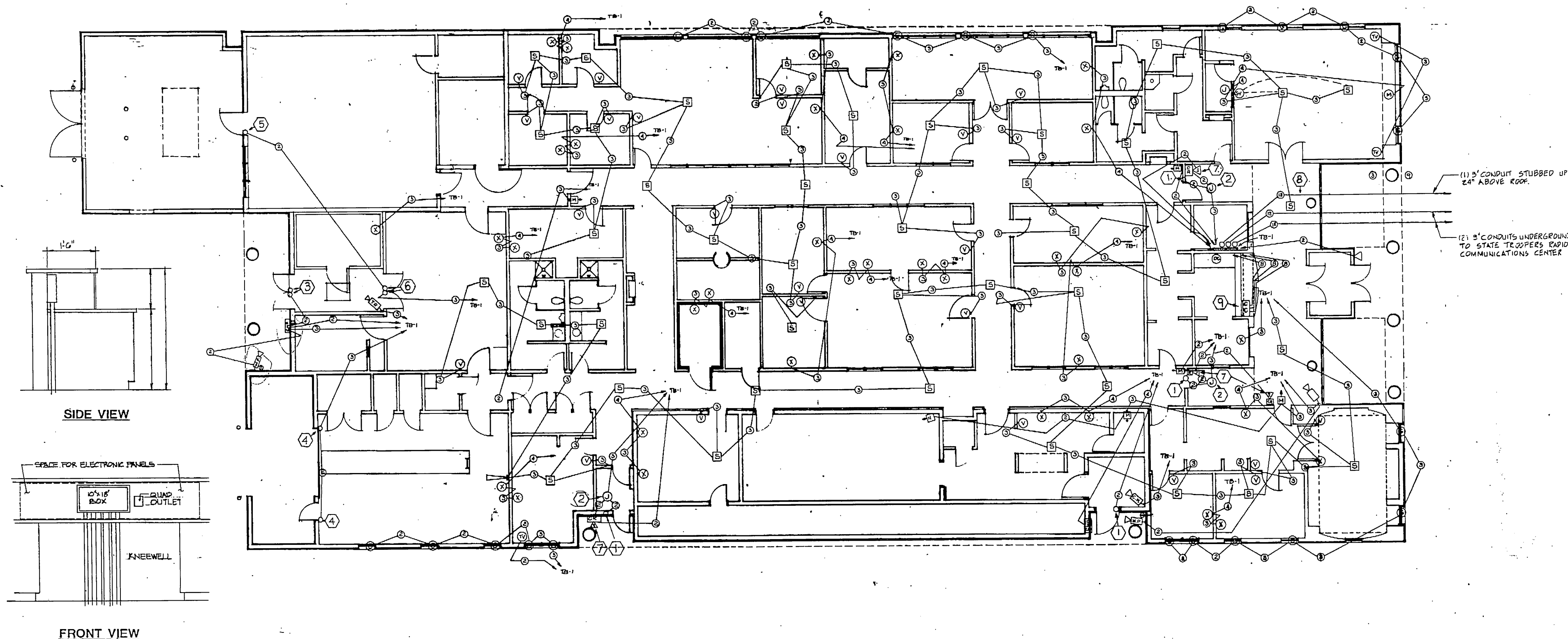
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ANCHORAGE STATEWIDE FORENSIC LABORATORY
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER 12-10023

ELECTRICAL POWER & SIGNAL UPPER MECHANICAL ROOM

JOB NO. 83-70

E-5
DATE 13 JULY 84



LOBBY CONSOLE ARRANGEMENT (SKETCH B)

N.T.S.

SPECIAL SYMBOLS SCHEDULE

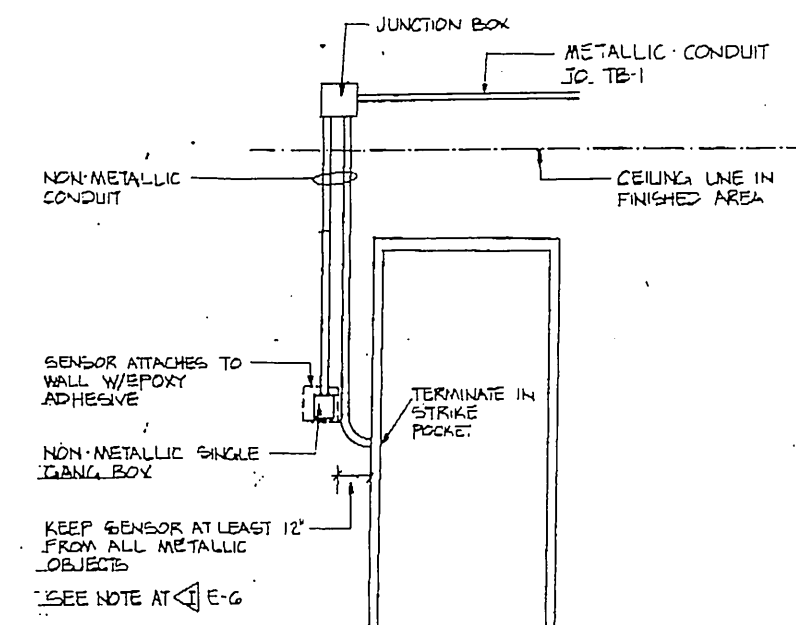
- SM** SECURITY MONITOR PANEL: Flush mounted Denco Model DMN-7116 or Motorola Model VDM-6110 with built-in lighting source by Electrical Contractor. Locate bottom of housing 56" above finished floor. Stub 115 V AC line into housing.
- CR** Single gang non-metallic box. Set flush with finished wall surface 42" above finished floor. Make certain that box is maintained at least 12" away from metallic objects. Feed with non-metallic conduit.
- WP** 4-11/16" square by 2-1/2" deep box with gasketed weather proof cover plate. Set flush with finished wall surface 12" below finished ceiling adjacent to weatherproof power outlet, or as otherwise indicated.
- TR** 4-11/16" by 2-1/2" deep box with single-gang plaster ring and stainless steel cover plate. Set flush with finished wall surface 12" below finished ceiling or as otherwise indicated.
- 4-11/16" square by 2-1/2" deep box with single gang plaster ring and stainless steel coverplate. Set flush with finished wall surface 12" below finished ceiling or as otherwise indicated.
- CM** 4-11/16" square by 2-1/2" deep box with single gang plaster ring. Set flush with finished wall surface 12" below ceiling. Locate box as close to the intersection of the two walls as possible.
- △** 6" square by 4" deep box, with inside flanges. Set flush with finished wall surface 60" above finished floor unless otherwise indicated.
- △** Two gang box. Mount 60" above finished floor unless otherwise indicated.
- △** Single gang box with stainless steel cover plate. Set flush with finished surface in window header at corner of window on interior side.
- S** Flush mounted housing (Lowell CP-84) with round grille. (Lowell RS-84)
- △** Flush cast metal box (Crouse Hinds type FS) with bushed opening in weather-proof coverplate (Crouse Hinds CGB).
- V** 4-11/16" square by 2-1/2" deep box with single gang plaster ring. Set flush with finished wall surface as same height as nearby lighting switches.
- W** 4-11/16" square by 2-1/2" deep box with single gang plaster ring. Set flush with finished wall surface at same height as nearby lighting switches.
- M** 4-11/16" square by 2-1/2" deep box with single gang plaster ring. Set flush with finished wall surface 12" above finished floor.
- J** Junction box: 6" square by 4" deep box with inside flanges. Mount at convenient location above the finished ceiling as shown in sketch "A".
- 6" square by 4" deep box with inside flanges and blank cover plate. Set flush with finished wall surface 2" above millwork countertop.
- CC** Flush cabinet: 10" x 18" x 3" box with coverplate. Set flush with finished wall surface 1" above millwork countertop. See Sketch "B".

- ⊗** SPARE OUTLET: 4-11/16" square by 2-1/2" deep box with single gang plaster ring and blank coverplate. Set flush with finished wall surface 12" above finished floor. Or 3" above millwork countertop as appropriate for the designated location. Coverplate to match others used in the area.
- SC** SC Terminal Board. 4'-0" by 8'-0" by 3/4" plywood panel mounted vertically on wall.

- ②** 1/2" conduit
- ③** 3/4" conduit.
- ④** 1" conduit
- ⑤** 2" conduit.
- ⑥** 3" conduit.

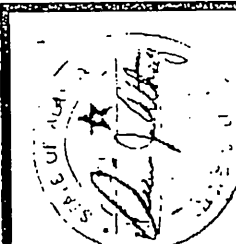
NOTES

- 1** Terminate conduit in door strike box for electric strike and status switch. Strike and status switch by Hardware Supplier. Wiring by Electrical Contractor.
- 2** See Sketch "A" for details of conduit related to Card Reader and door controls.
- 3** Locate conduit in door header for double electric strikes and status switches. Strike and status switches by Hardware Contractor. Wiring by Electrical Contractor.
- 4** Terminate conduit adjacent to door position switch which is part of door operator mechanism by Electrical Contractor.
- 5** Terminate conduit in keeper box for door status switch. Switch by Hardware Contractor. Wiring by Electrical Contractor.
- 6** Terminate conduit in door header for dual magnetic type door status switches. Switches and wiring by Electrical Contractor.
- 7** Install intercom speaker eighteen inches (18") above Card Reader.
- 8** Minimum bend radius 36". Install conduit with minimum number of bends possible.
- 9** See Sketch "B" for details relative to Security Control Console outlet.



CARD READER CONDUIT GUIDELINES (SKETCH A)

N.T.S.



GDM & Associates Inc.
ARCHITECTS
ANCHORAGE • FAIRBANKS • JUNEAU

ANCHORAGE STATEWIDE FORENSIC LABORATORY
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DIVISION OF CRIME PREVENTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER 8-10029

ANCHORAGE STATEWIDE FORENSIC LABORATORY
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DIVISION OF CRIME PREVENTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT NUMBER 8-10029

SECURITY & COMMUNICATION

JOB NO. 83-70

E-6

OF 8

DATE 13 JULY 84

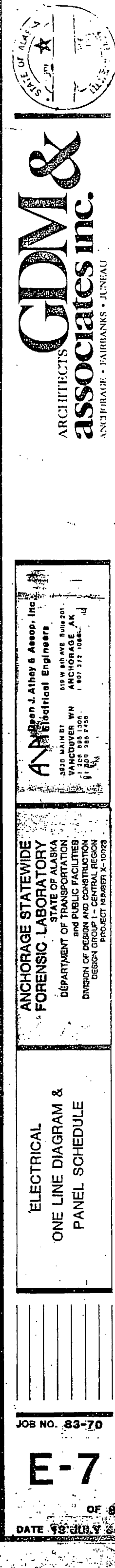
PANEL SCHEDULE									
NO.	LOCATION	CORRIDOR	TRIP	VOLTS	PHASE	WBS			
	SERVING	C.C.O.S		AMP WITH MAIN					
CAT NO.	LOAD DESCRIPTION	KVA	TRIP AMPS	TRIP AMPS	KVA	LOAD DESCRIPTION			
1	C.C.O.S. - NECROPSY	1.0	20AIP	20AIP	1.0	C.C.O.S. - NECROPSY			
3	CORRUSE ELECT. HUB	1.5	30AIP	30AIP	1.5				
5	FUME HOOD - GLASSWARE	2.5	50AIP	50AIP	2.5	H-4 HUMIDIFIER			
7	TOXICOLOGY	1.5	30AIP	30AIP	1.5	H-5			
9	TRACE EVIDENCE	1.5	30AIP	30AIP	1.5	H-6			
11	TOXICOLOGY	1.5	30AIP	30AIP	1.5	H-8			
13	DATA ANALYSIS	1.5	30AIP	30AIP	1.5	H-11			
15									
17									
19									
21	H-4 HUMIDIFIER	3.0	60AIP	60AIP	3.0				
23									
25	H-10	1.5	30AIP	30AIP	1.5				
27									
29	C.C.O.S. PHOTO LAB	1.5	30AIP	30AIP	1.5	LIGHTS PHOTO LAB			
31						FUME HOOD - MINOR IMPORT			
33									
35									
37	DUST ELIMINATORS	1.5	30AIP	30AIP	1.5				
39									
41									
REMARKS:			CONNECTED LOAD			52.4 KVA			
			DEMAND LOAD			24.8 KVA			

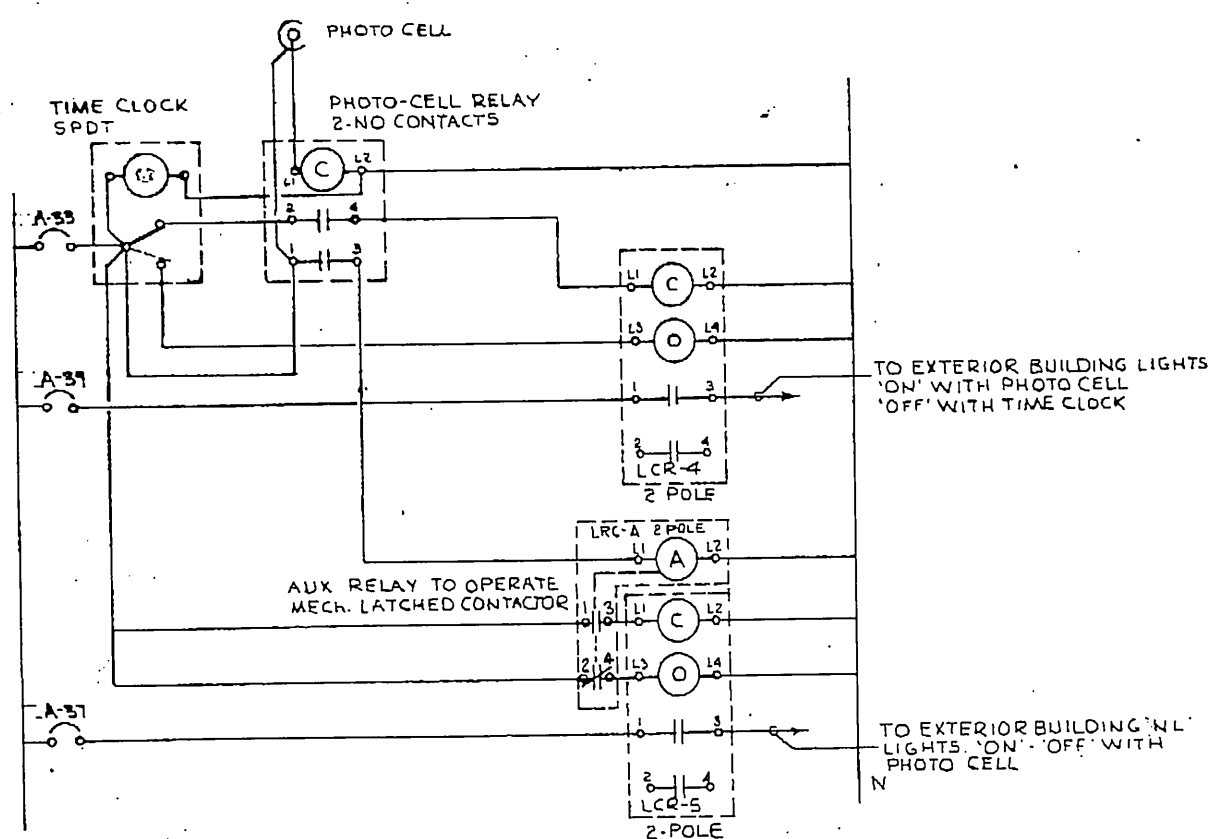
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PANEL SCHEDULE									
NO.		ICC	LOCATION	CORRIDOR		120/208V	VOLTS	3 PHASE	4 WIRE
			SERVING	COMPUTER OUTLETS		AMP WITH MAIN			
QTY	NO.	LOAD DESCRIPTION	KVA	TRIP AMPS	TRIP AMPS	KVA	LOAD DESCRIPTION		
1	1	WALL SPECTROMETER	0.0	20A	20A	1.0	DNA PROCESSOR OUTLET NO		
1	2	INSTRUMENT OUTLET RM 1G1	2.2	20A	20A	2.2	INST. OUTLETS RM 1G1		
1	3	INST. OUTLET RECEPTION	1.0	20A	20A	0.9		ELECT. REPAIR	
1	4	INST. OUTLET EVIDENCE REC.	1.0	20A	20A	1.2	FT-IR		
1	5	SECURITY SYSTEM COMPUTER	1.0	20A	20A	1.0	DISC DRIVE		
1	6	REST OUTLET EVIDENCE SYS	1.0	20A	20A	1.0	AIR DRYER		
1	7	BIOLOGY	1.0	20A	20A	1.0	COMPUTER OUTLET CORR KVA		
1	8	RELAY PANEL	0.5	20A	20A	0.5	HALON PANEL		HEAD CHM.
1	9	INST. OUTLET FINGERPRINT	0.5	20A	20A	0.5	INST. OUTLET ROOM ITT		

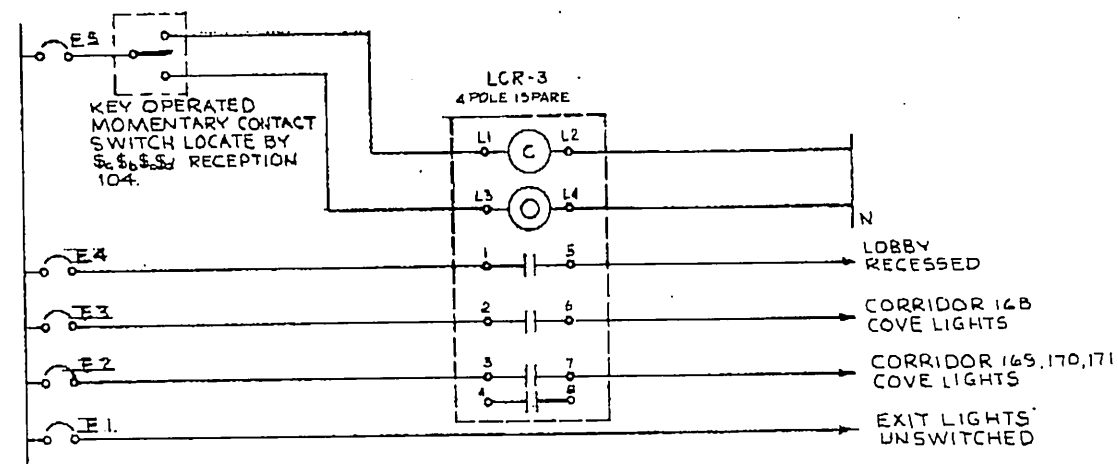
REMARKS _____

CONNECTED LOAD **53.3** KVA
DEMAND LOAD **25.0** KVA

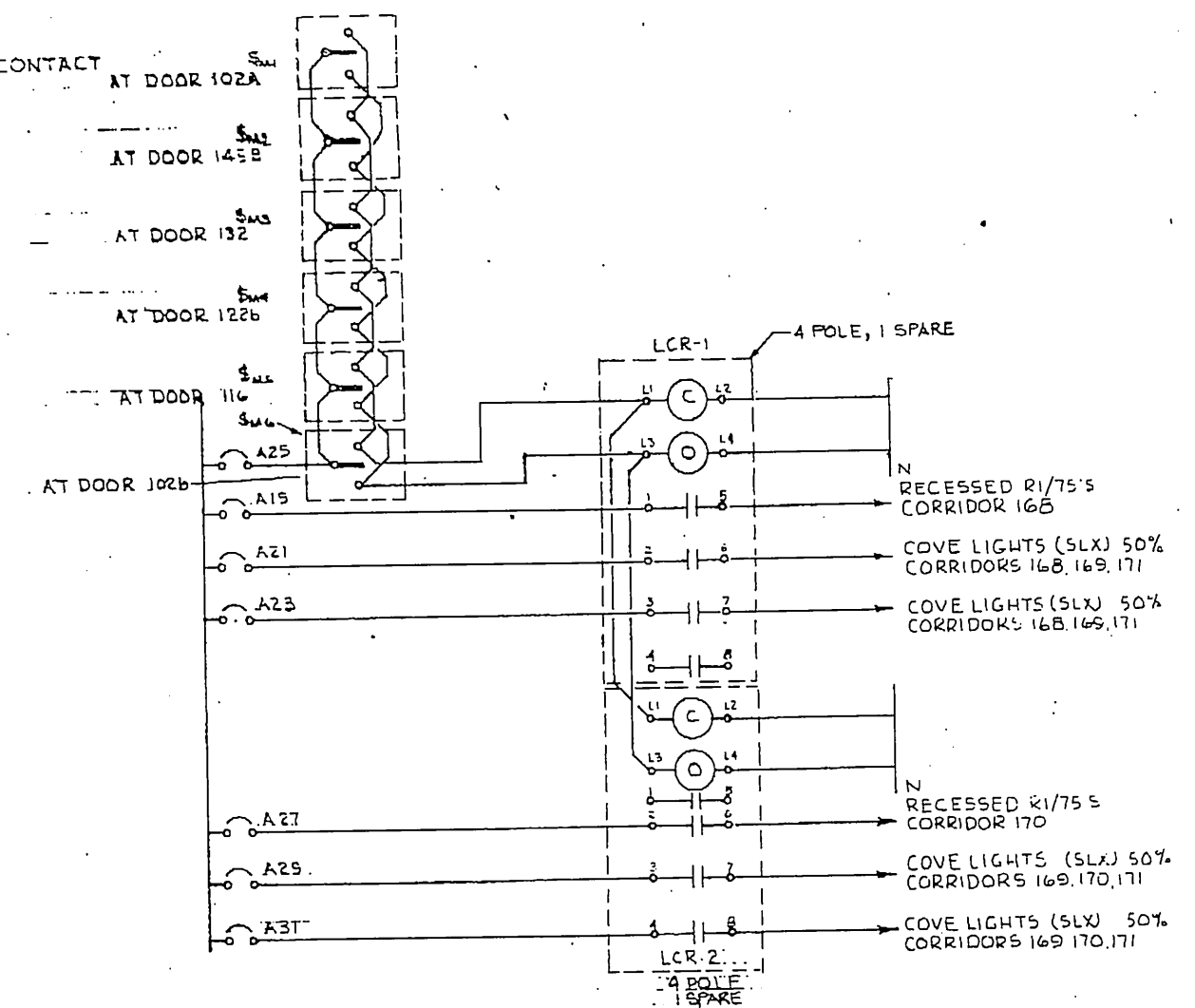




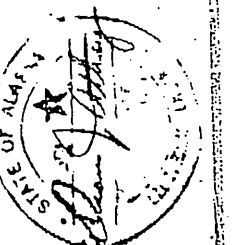
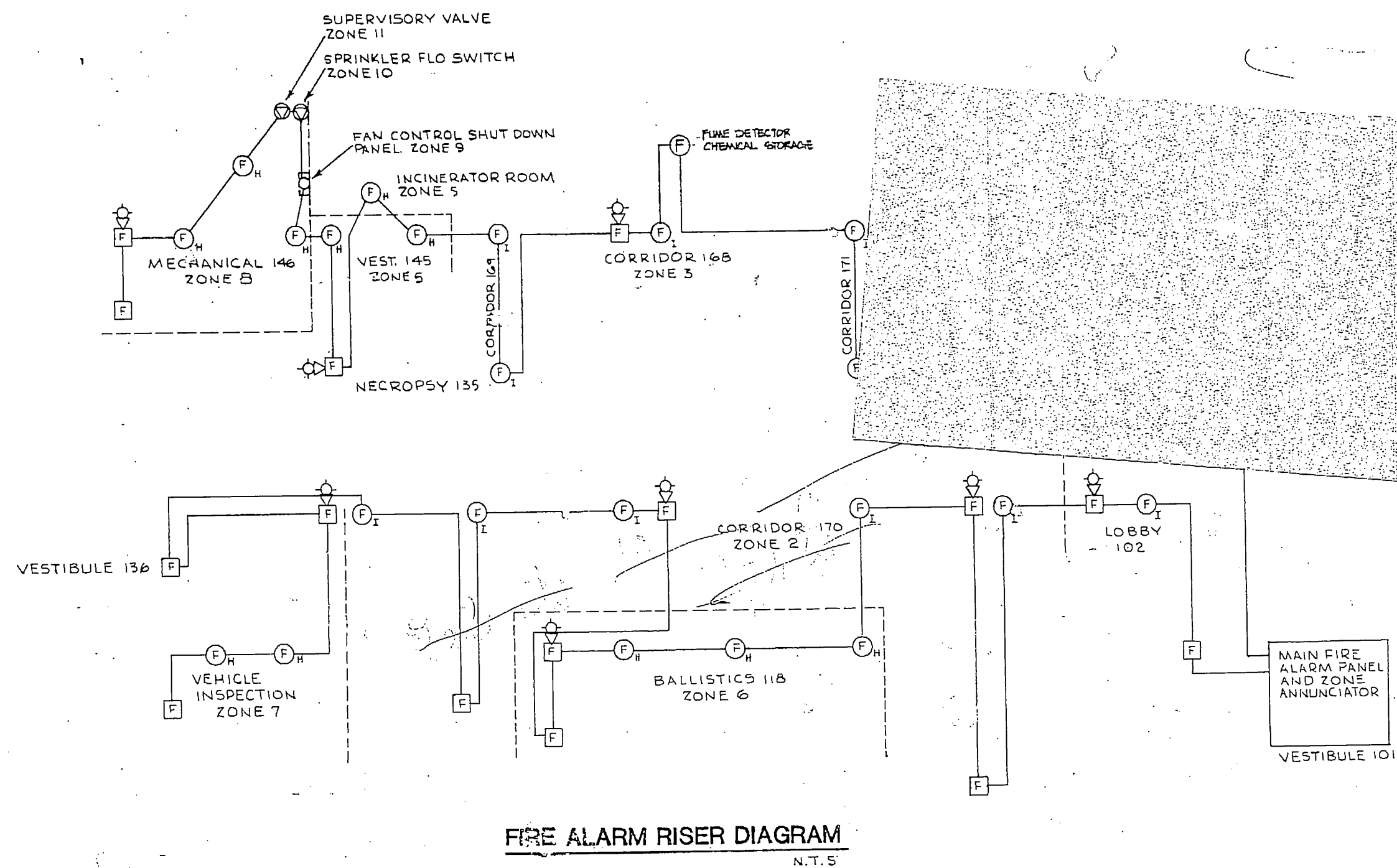
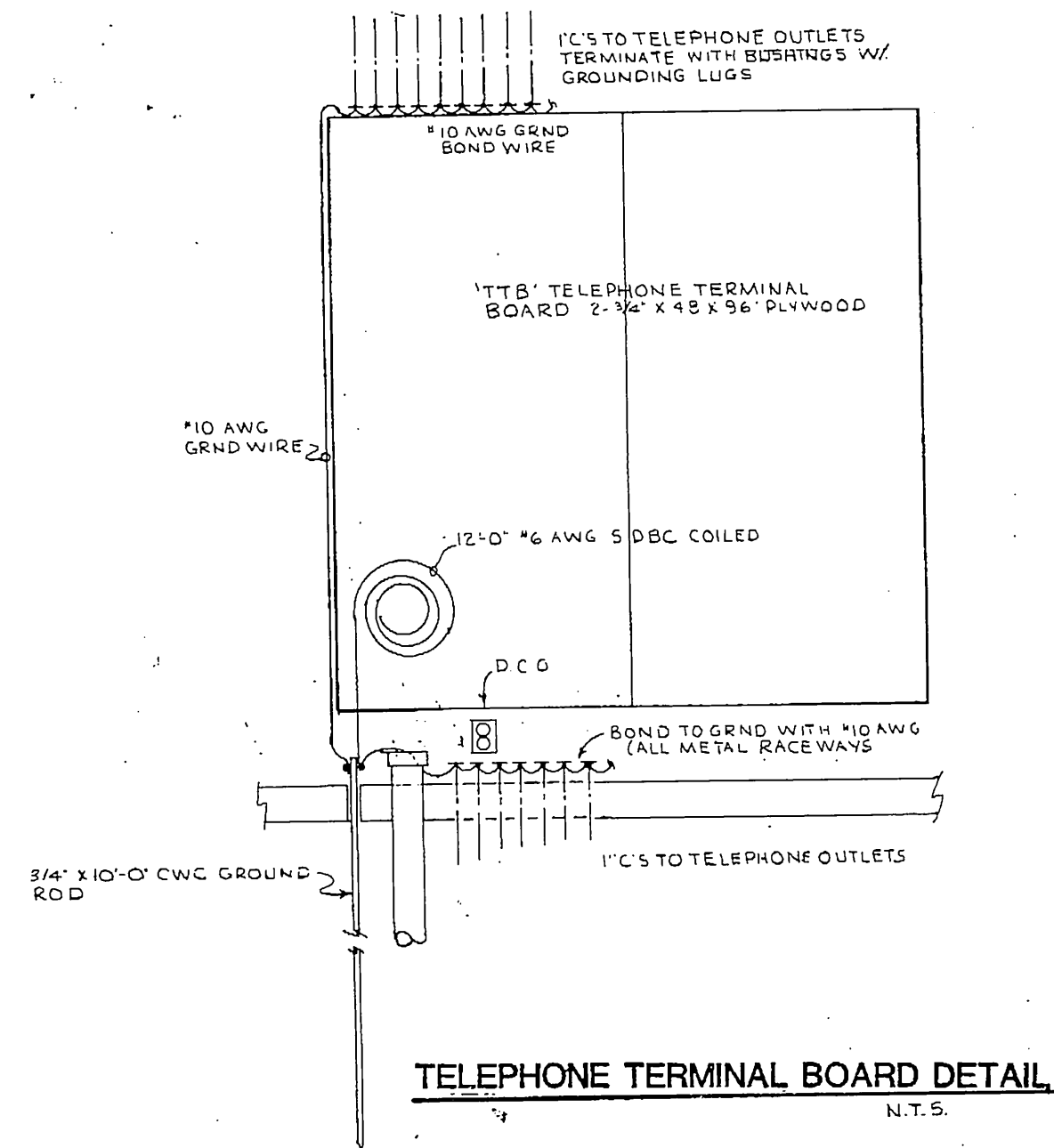
EXTERIOR LIGHT SWITCHING SCHEMATIC



PATHWAY LIGHT SWITCHING SCHEMATIC



CORRIDOR LIGHT SWITCHING SCHEMATIC



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STATE OF ALASKA
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DIVISION OF DESIGN AND CONSTRUCTION
DESIGN GROUP 1 - CENTRAL REGION
PROJECT 15-2254-1-1072

ELECTRICAL WIRING DIAGRAMS

JOB NO. 83-70

E-8

OF 8
DATE 15 JULY 82