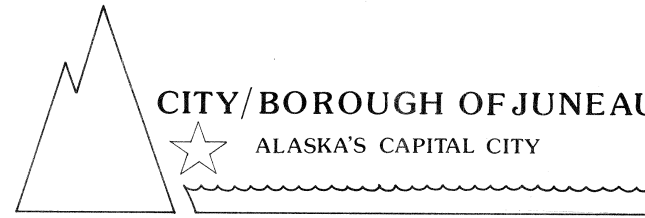


DOUGLAS FIRE STATION AND LIBRARY

CONTRACT NUMBER
E-86-058

FOR THE



CITY/BOROUGH OF JUNEAU
ALASKA'S CAPITAL CITY

MINCH · RITTER · FORREST
ARCHITECTS AIA
800 GLACIER AVENUE SUITE A
JUNEAU, ALASKA 99801 [907] 586-1371

RICHARD A. ZAGARS
STRUCTURAL ENGINEER
8293 GARNET STREET
JUNEAU, ALASKA 99801 [907] 789-7683

A.W. HANGER, P.E.
MECHANICAL ENGINEER
P.O. BOX 210167
AUKE BAY, ALASKA 99821 [907] 789-9018

B.C. HAIGHT
ELECTRICAL ENGINEERS
430 FOURTH STREET
JUNEAU, ALASKA 99801 [907] 586-9788

A. OCCUPANCY GROUP

Apparatus Area.....B-2
Living Quarters.....B-3
Library.....A-3
Meeting Room.....A-3

B. CONSTRUCTION - Type II - 1 Hour

Noncombustible construction

A-3 Exterior walls 2 hours less than 5 feet, 1 hour elsewhere.
(Openings not permitted less than 5 feet, protected less than 10 feet).

B-2 Exterior walls 1 hour less than 20 feet. (Openings not permitted less than 5 feet, protected less than 10 feet).

Exceptions

1. Nonbearing walls on streets or yards at least 40 feet wide may be unprotected noncombustible.

C. REQUIRED SEPARATIONS

A-3 and B-3.....1 hour
Parking from A-3.....1 hour

D. ALLOWABLE AREA

B-2.....18,000
R-3.....Unlimited
A-3.....13,500

Increases allowed - double for multiple stories. Public space 3 sides - 100% increase allowed.

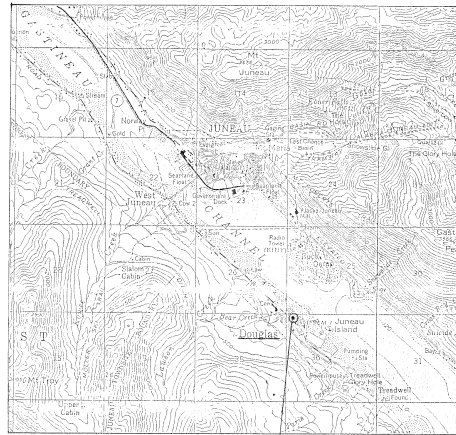
E. MAXIMUM HEIGHT ALLOWABLE

A-3.....2 Stories
B-2.....3 Stories
R-3.....3 Stories

Sprinklers allow increase of one story.

F. OCCUPANT LOADS

Library..... 50 S.F./occupant = 85
Meeting..... 7 S.F./occupant = 63
Apparatus.....200 S.F./occupant = 17
Living..... 50 S.F./occupant = 8



PROJECT SITE

GENERAL

COVER SHEET

ARCHITECTURAL

A1.1 EXISTING SITE PLAN
A1.2 SITE IMPROVEMENT PLAN
A1.3 SITE DETAILS

A2.1 LOWER FLOOR PLAN
A2.2 MAIN FLOOR PLAN
A2.3 UPPER FLOOR PLAN
A2.4 REFLECTED CEILING PLAN

A3.1 BUILDING ELEVATIONS
A3.2 WALL SECTIONS
A3.3 WALL SECTIONS
A3.4 WALL SECTIONS

A3.5 WALL SECTIONS
A3.6 HOSE TOWER SECTIONS & DETAILS
A3.7 STAIR SECTIONS & DETAILS

A4.1 ROOF DETAILS
A4.2 EXTERIOR WALL & WINDOW DETAILS
A4.3 DOOR JAMBS & THRESHOLDS
A4.4 ENTRANCE & SPECIAL DOORS

A5.1 LIBRARY FLOOR PLAN
A5.2 CARPENTRY DETAILS
A5.3 TOILET & POWER ELEVATIONS
A5.4 ROOM ELEVATIONS & DETAILS
A5.5 CARPENTRY DETAILS
A5.6 ROOM ELEVATIONS & DETAILS

STRUCTURAL

S1 FOUNDATION PLAN
S2 MAIN FLOOR FRAMING PLAN
S3 UPPER FLOOR / ROOF FRAMING PLAN
S4 UPPER ROOF FRAMING PLAN
S5 SECTIONS & DETAILS
S6 SECTIONS & DETAILS
S7 FRAMING DETAILS
S8 STAIR SECTIONS & MISC. DETAILS

MECHANICAL

M1 PLOT PLAN & SCHEDULES
M2 SCHEDULES
M3 LOWER FLOOR PLUMBING PLAN
M4 MAIN FLOOR PLUMBING PLAN
M5 UPPER FLOOR PLUMBING PLAN
M6 PLUMBING SCHEMATICS
M7 LOWER FLOOR HEATING & VENTILATING PLAN
M8 MAIN FLOOR HEATING & VENTILATING PLAN
M9 UPPER FLOOR HEATING & PIPING PLAN
M10 UPPER FLOOR VENTILATING PLAN
M11 UPPER FLOOR HEATING PLAN
M12 HEATING SCHEMATICS & DETAILS
M13 HEATING SCHEMATICS
M14 HEATING & VENTILATING DETAILS

ELECTRICAL

E1.0 LEGEND / POWER SERVICE ENTRANCE
E2.1 LOWER FLOOR POWER
E2.2 MAIN FLOOR POWER
E2.3 UPPER FLOOR POWER
E2.4 PANELBOARD SCHEDULES / POWER DETAILS & SINGLE LINE DIAGRAMS
E3.1 LOWER FLOOR LIGHTING
E3.2 MAIN FLOOR LIGHTING
E3.3 UPPER FLOOR LIGHTING
E3.4 LUMINAIRE SCHEDULE / LIGHTING CONTROL SCHEDULE / LIGHTING DETAILS
E4.1 LOWER FLOOR SIGNAL
E4.2 MAIN FLOOR SIGNAL
E4.3 UPPER FLOOR SIGNAL
E4.4 SIGNAL RISER DIAGRAMS / TOWER DETAILS

CODE REVIEW

VICINITY MAP

INDEX OF DRAWINGS

JUNEAU

B L O C K

7

"E" STREET

"D" STREET

THIRD STREET

LOT 4

3 STORY CONCRETE BUILDING ON CONCRETE FOUNDATION (FIREHALL)

F.F. EL. BASEMENT = 63.52'
1st FL. = 70.95'
2nd FL. = 82.65'

LOT 2

3 STORY WOOD FRAME BUILDING ON CONCRETE FOUNDATION (LITTLE MERMAID)

F.F. EL. 1st FL. = 68.33'
2nd FL. = 67.11'

LOT 3

LOT 1

SURVEY NOTES

- PRIMARY MONUMENT SET THIS SURVEY
- STANDARD CELESTIALVE MONUMENT WITHIN RECOVERED THIS SURVEY
- SECONDARY MONUMENT BY OTHERS RECOVERED THIS SURVEY
- WATER CURB
- ALLEY
- PROPERTY LINE

TYPICAL MONUMENTS SET THIS SURVEY



A TOPOGRAPHIC SURVEY PLAT OF
LOTS 1 THRU 4, BLK. 7
DOUGLAS TOWNSITE
CITY & BOROUGH OF JUNEAU, ALASKA



DATE: 6/25/85

CLIENT: WINCH • RITTEB • FORREST ARCHITECTS
800 Glacier Avenue
Juneau, Alaska 99801

SURVEYOR: ROBERT C. NELSON
10000 JUNEAU BLVD.
JUNEAU, ALASKA 99801

SCALE: 1" = 10'

SHEET 1 of 1

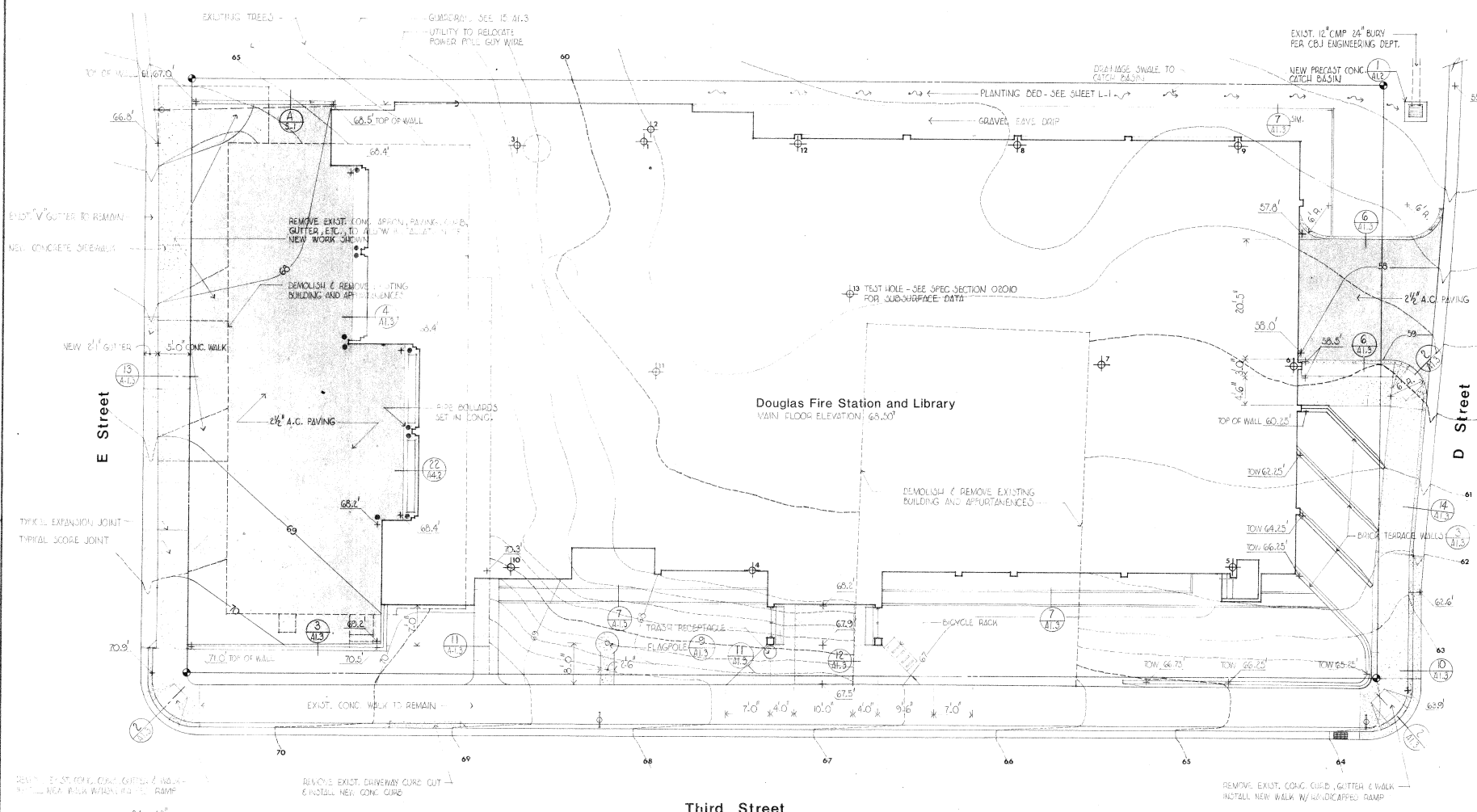
NO.	DATE	REVISIONS

MRF

WINCH • RITTEB • FORREST ARCHITECTS
800 Glacier Avenue
Juneau, Alaska 99801

Douglas Fire Station and Library
Douglas, Alaska
CITY AND BOROUGH OF JUNEAU ALASKA
MRF NO. 8501

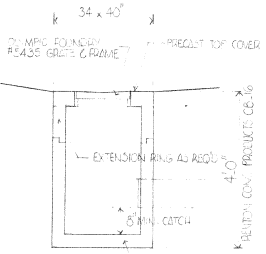
SHEET TITLE BUILDING SITE PLAN	
DATE JUN 25 1985	DRAWN
CHKD. [initials]	DWG. NO.



REMOVE EXIST. CONC. GUTTER & WALK
INSTALL NEW CONC. WALK WITH 2% RAMP

REMOVE EXIST. CURBWAY CURB OUT
& INSTALL NEW CONC. CURB

REMOVE EXIST. CONC. CURB, GUTTER & WALK
INSTALL NEW WALK W/ WHEELCHAIR RAMP



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

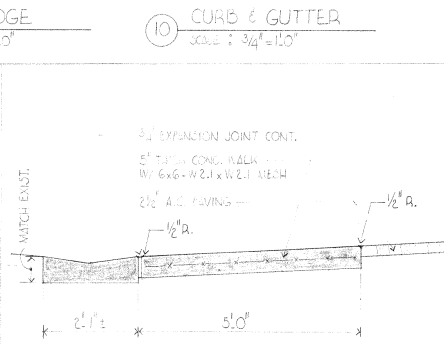
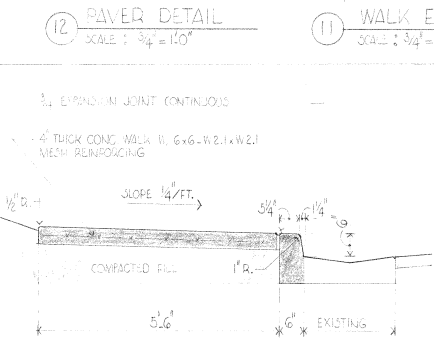
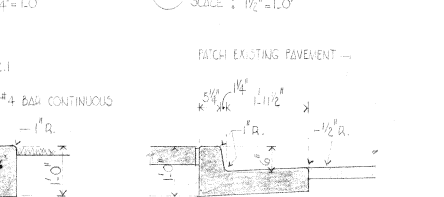
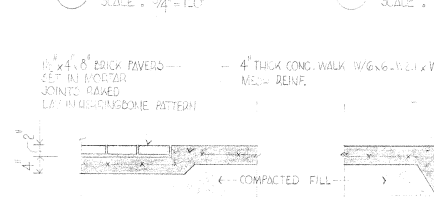
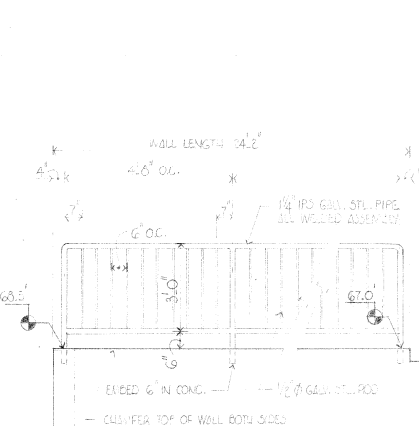
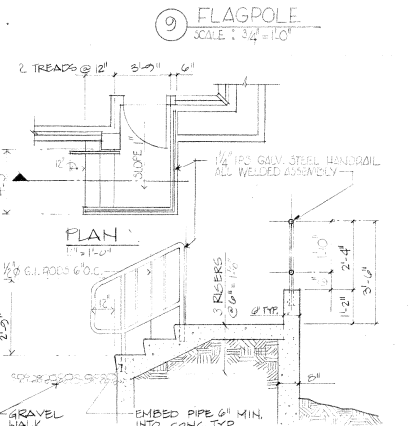
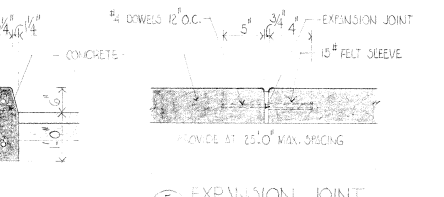
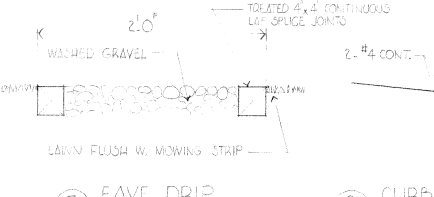
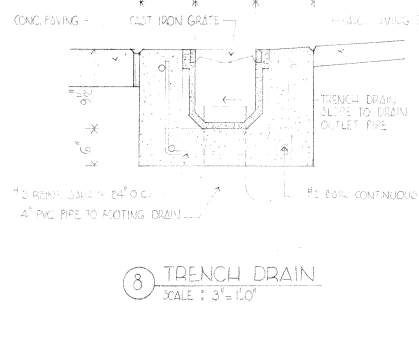
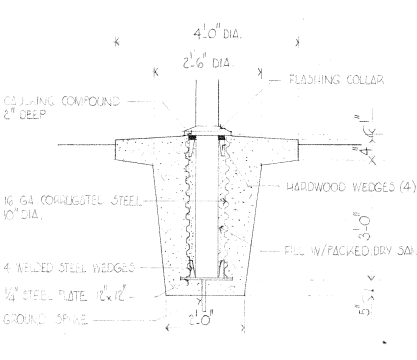
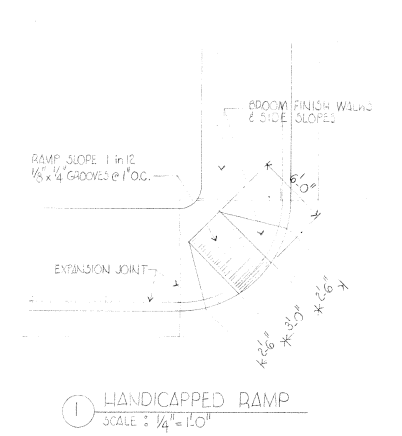
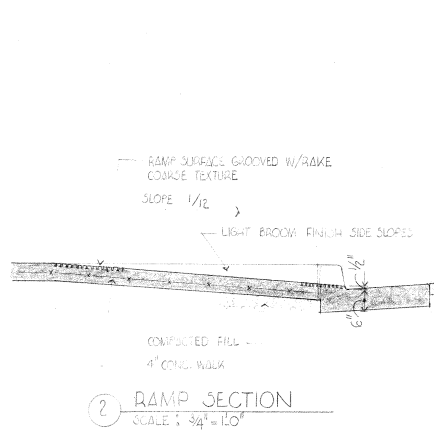
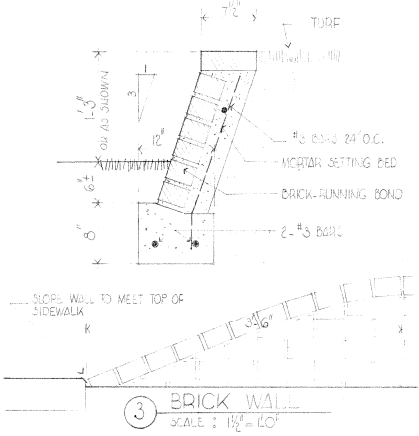
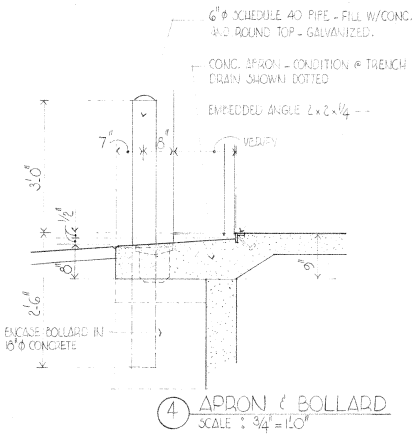
Third Street

Douglas Fire Station and Library
MAIN FLOOR ELEVATION: 68.50'

SITE IMPROVEMENT PLAN
SCALE: 1/8" = 1'-0"



REVISIONS	
NO.	DATE
<h1>MRF</h1>	
MINCH • BITTER • FORREST ARCHITECTS Suite A 800 Glacier Avenue Juneau, Alaska 99801 907/986-3711	
<h2>Douglas Fire Station and Library</h2> <p>Douglas, Alaska CITY AND BOROUGH OF JUNEAU ALASKA</p>	
SHEET TITLE	
SITE IMPROVEMENT PLAN	
DATE: JANUARY 1956	
DRAWN: den	
CHKD:	
DWG. NO.	
A1.2	



NO.	DATE



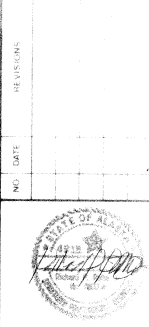
MRF
 MINCH • BITTER • FORREST ARCHITECTS
 800 Glacier Avenue
 Juneau, Alaska 99901
 907.586.1371

Douglas Fire Station and Library
 Douglas, Alaska
 CITY AND BOROUGH OF JUNEAU ALASKA
 MRF NO. 8501

SHEET TITLE
 SITE DETAILS

DATE JUN 19 1996
 DRAWN *del*
 CHKD. *BR*

DWG. NO.
A1.3



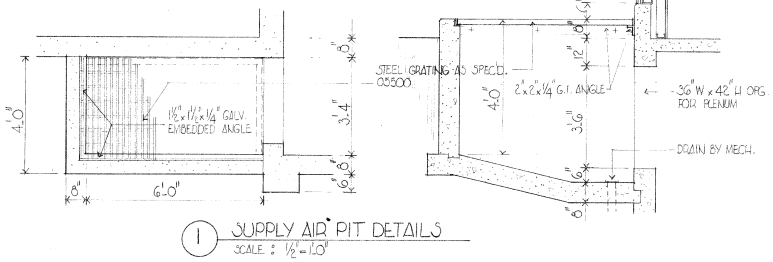
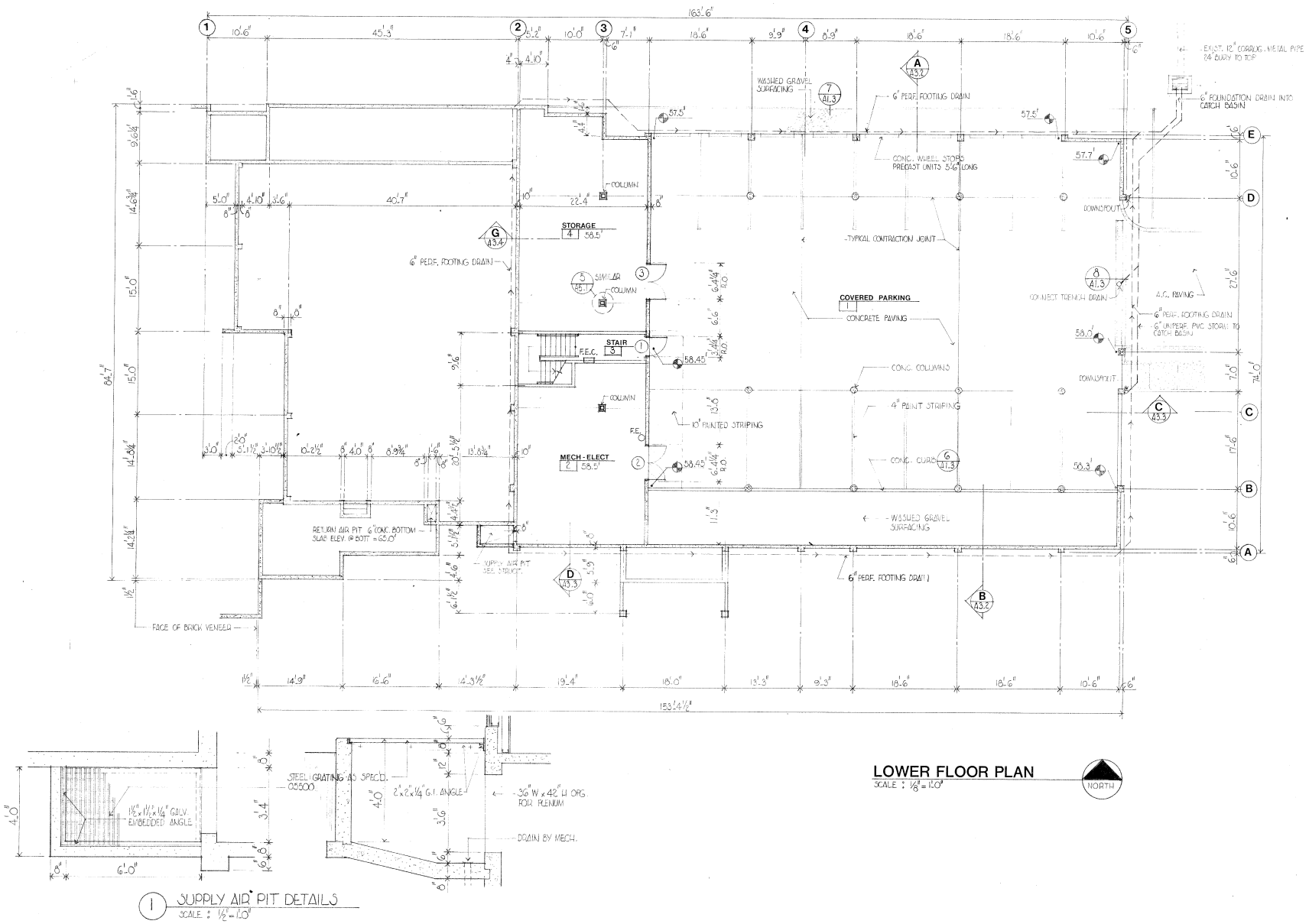
MRF
 MINCH • RITTEP • FOREST ARCHITECTS
 801 Grand Avenue • Anchorage, Alaska
 (907) 562-1966

Douglas Fire Station and Library
 Douglas, Alaska
 CITY AND BOROUGH OF JUNEAU ALASKA

SHEET TITLE
LOWER FLOOR PLAN

DATE: 10/10/10
 DRAWN: del
 CHKD:

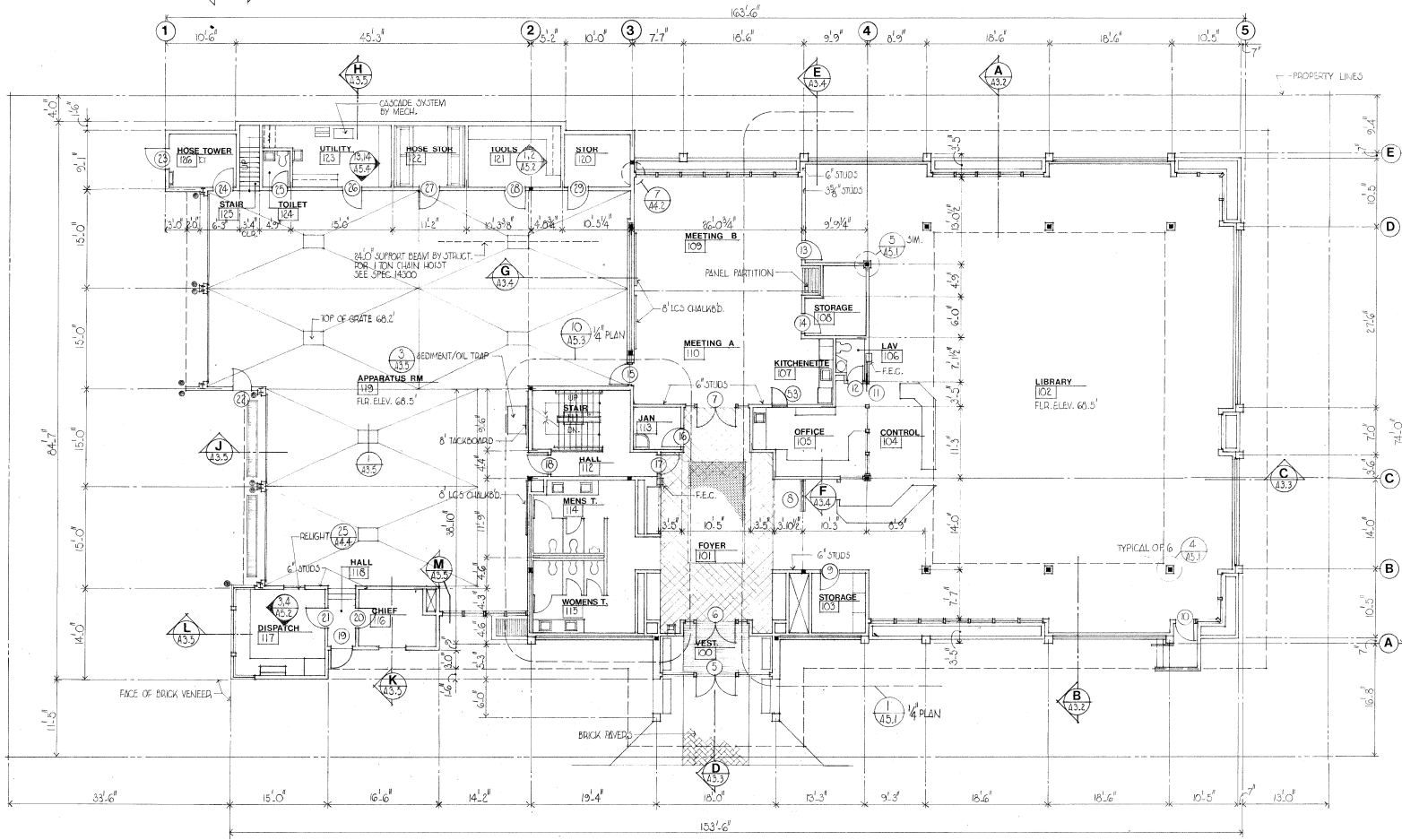
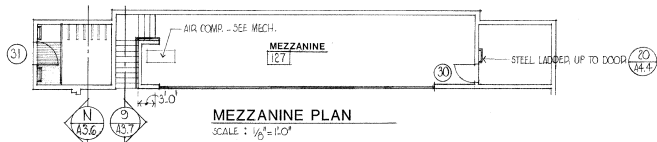
DWG NO.
A2.1



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



85.01 TB 80.21 0A-2.1
 85.01 TB-1 81.2.1 0A-2.1

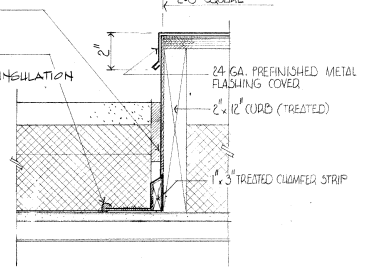
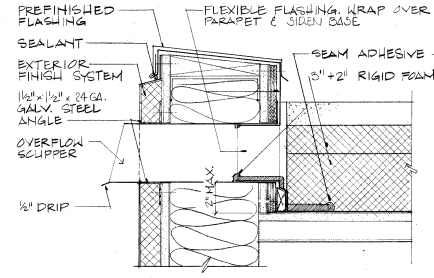
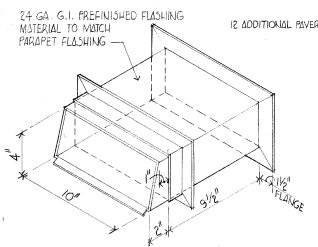
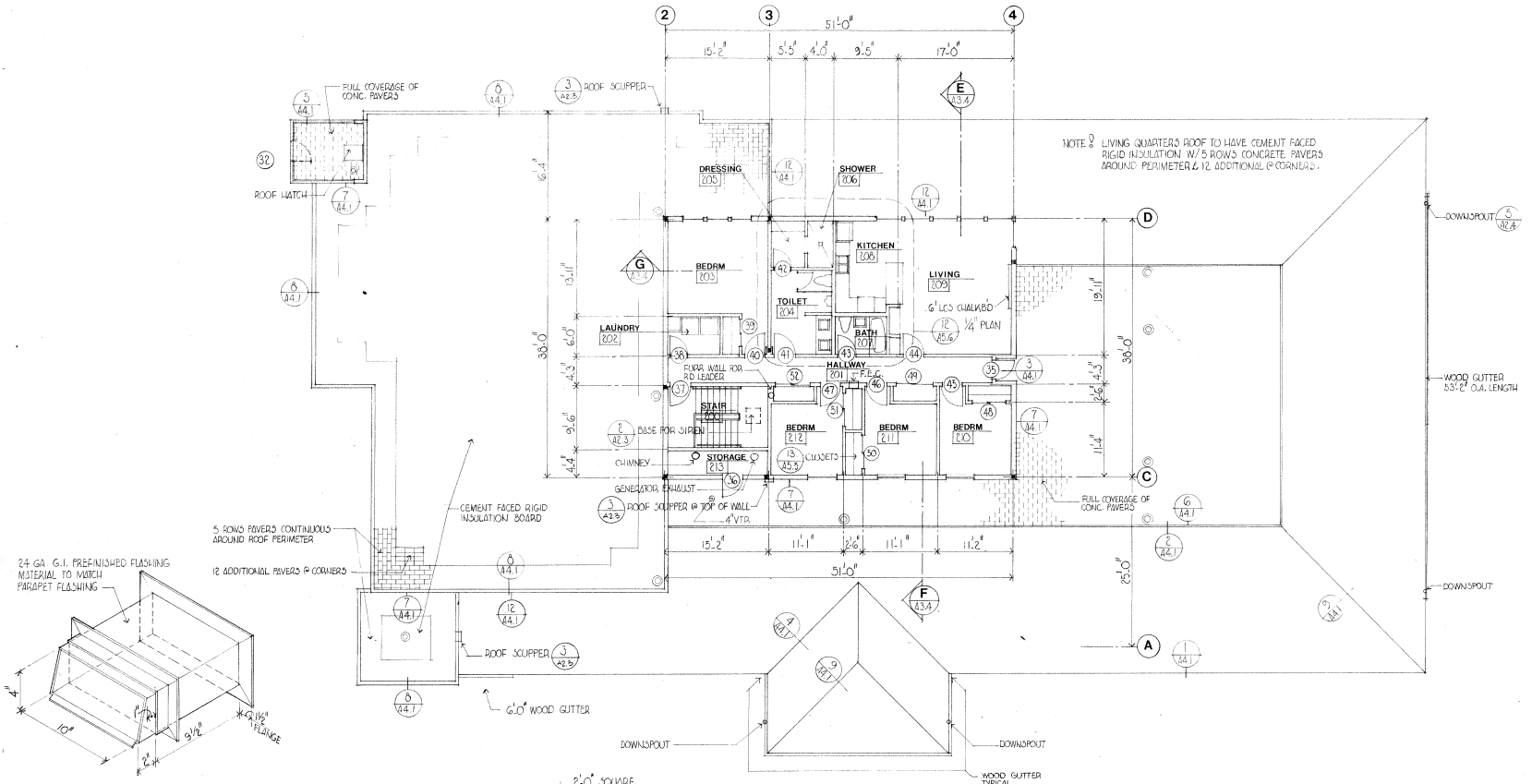


MAIN FLOOR PLAN
SCALE: 1/8" = 1'-0"



NO.	DATE	REVISIONS
Douglas Fire Station and Library Douglas, Alaska CITY AND BOROUGH OF JUNEAU ALASKA		
SHEET TITLE MAIN FLOOR PLAN		
DATE: JANUARY 1996 DRAWN: den CHKD: DWG NO:		

6501 TD-1 BA-2.2 OA-2.2
 TB-1 BA-2.2 OA-2.2
 6501

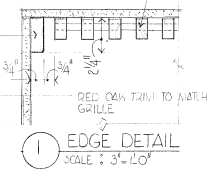
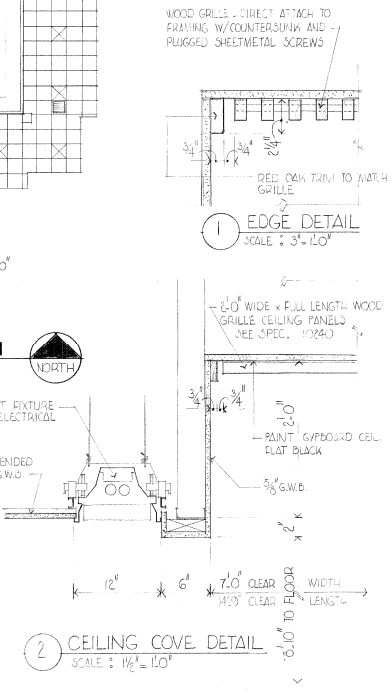
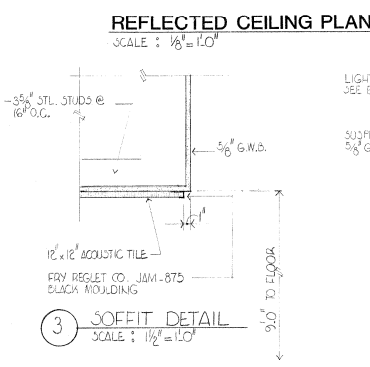
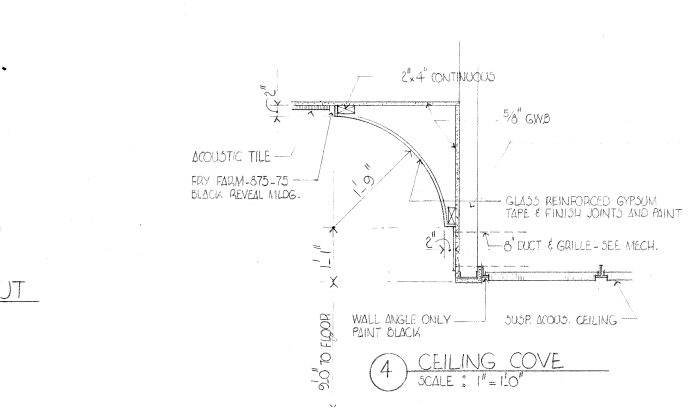
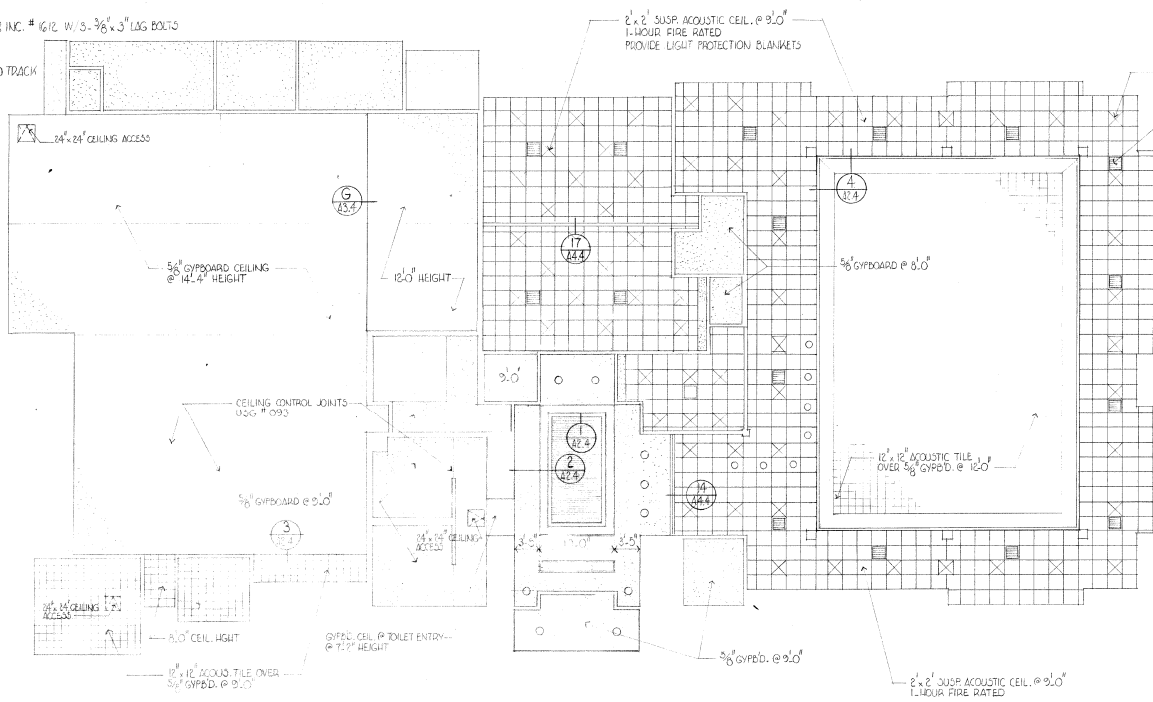
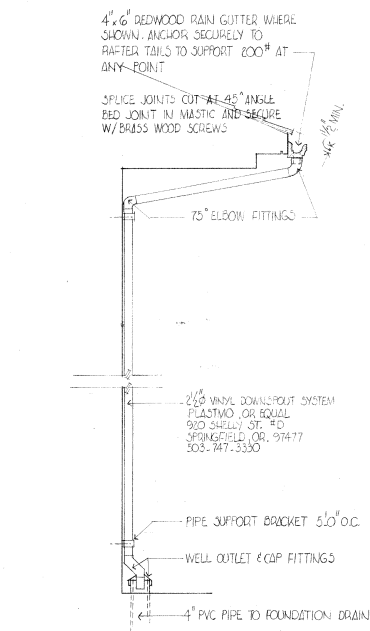
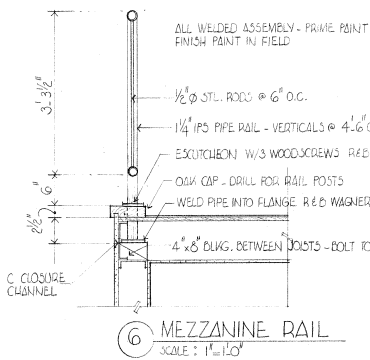


③ ROOF SCUPPER
 SCALE: 3" = 10"

② SIREN BASE
 SCALE: 3" = 10"

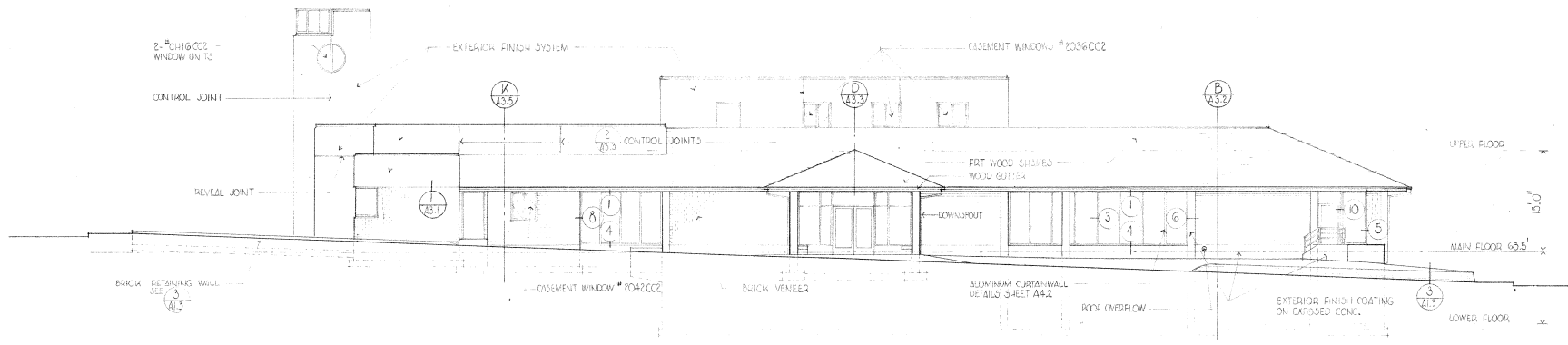
UPPER FLOOR PLAN
 SCALE: 1/8" = 10'

0501 10-1 04.2.3 (A-C)
 0501 3A-2.3 0A.2.3
 TB-1

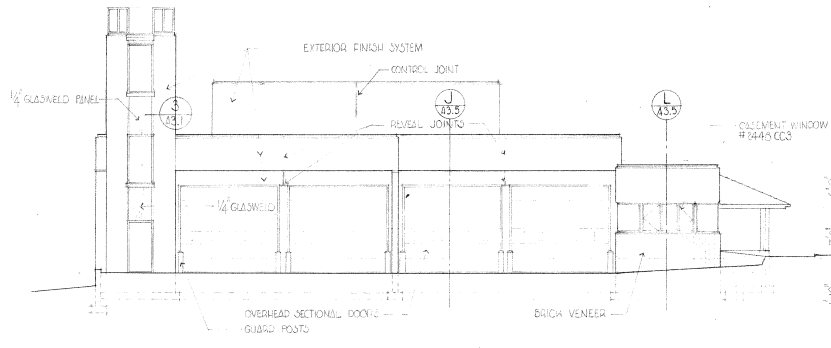


NO.	DATE	REVISIONS
Douglas Fire Station and Library Douglas, Alaska CITY AND BOROUGH OF JUNEAU ALASKA		
SHEET TITLE REFLECTED CEILING PLAN & DETAILS		
DATE: JANUARY 1996 DRAWN: dan CHKD: DWG. NO.		

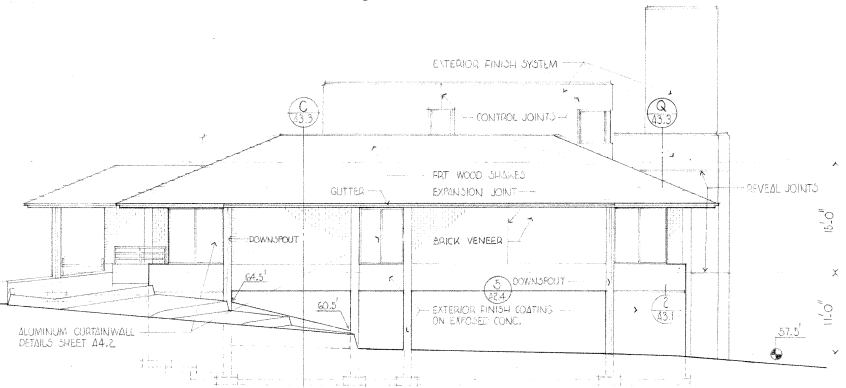
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 TB-1



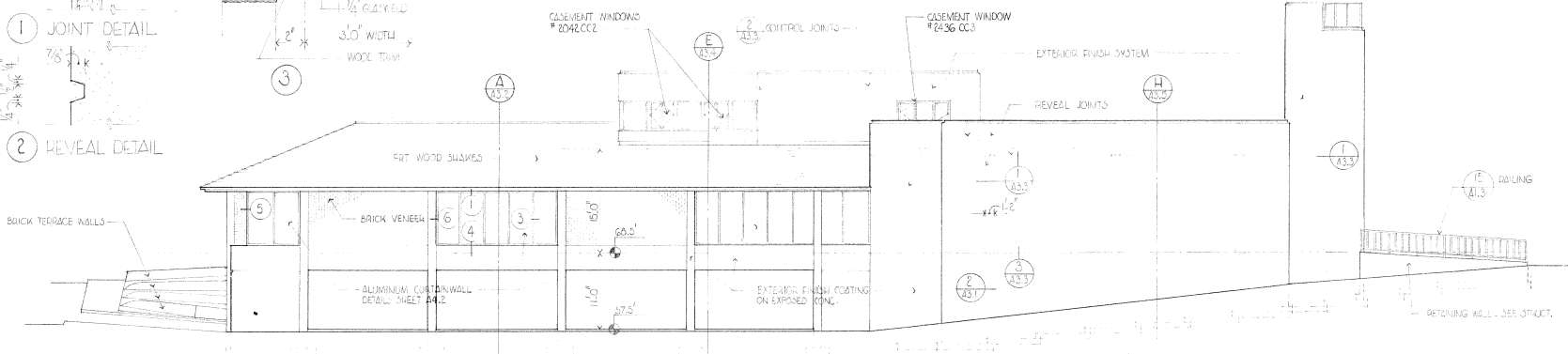
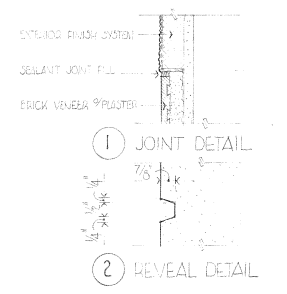
SOUTH ELEVATION
SCALE : 1/8" = 1'-0"



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

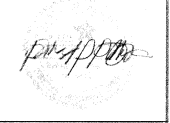


EAST ELEVATION
SCALE : 1/8" = 1'-0"



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

NO.	DATE	REVISIONS



MRF
MITCH • RITTER • FOREST ARCHITECTS
800 Glacier Avenue, Suite A
Juneau, Alaska 99801
907.586.1371

Douglas Fire Station and Library
Douglas, Alaska
CITY AND BOROUGH OF JUNEAU ALASKA
MRF NO. 8501

SHEET TITLE
BUILDING ELEVATIONS

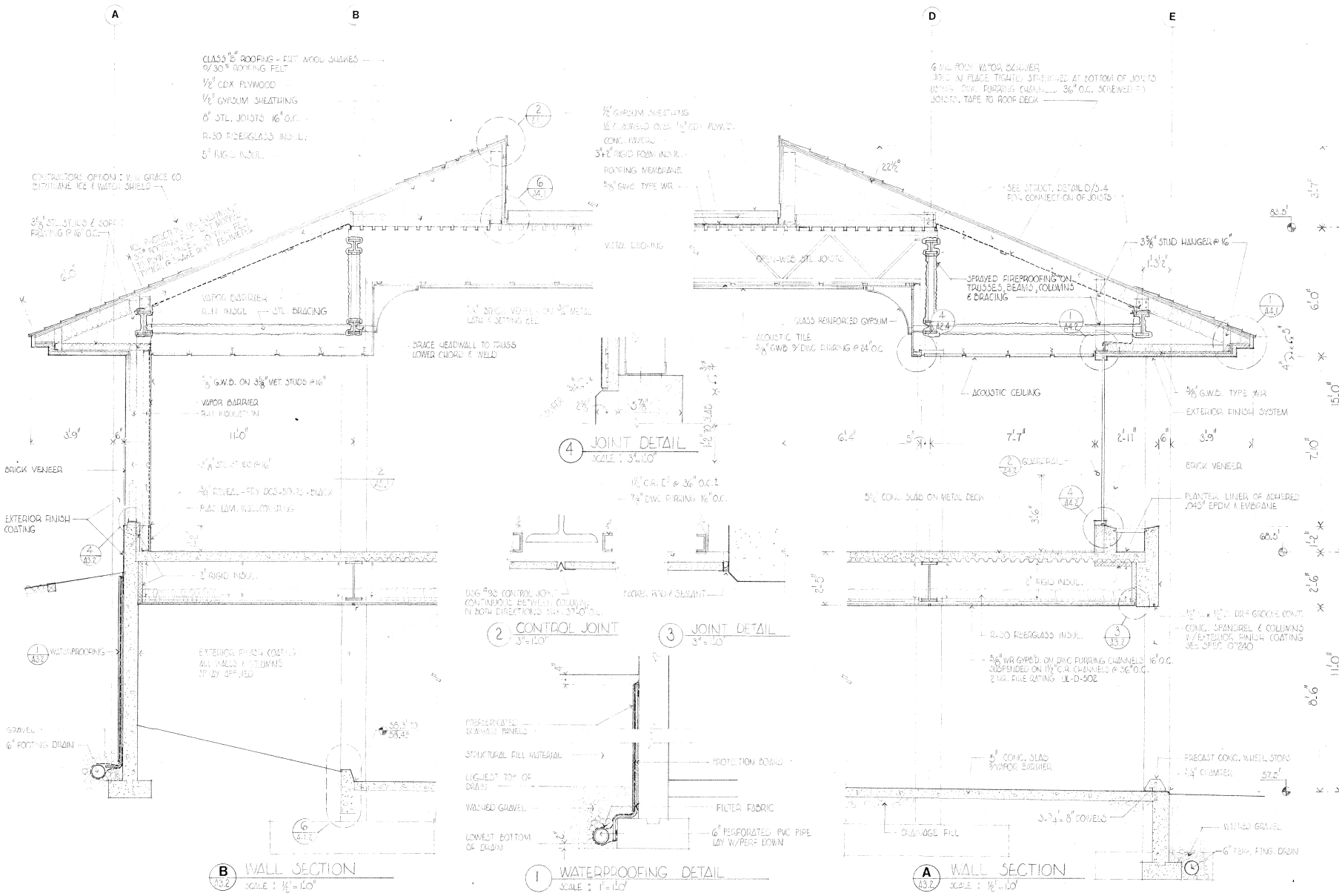
DATE JANUARY 1996

DRAWN den

CHKD.

DWG. NO.

A3.1



CLASS 5 ROOFING - EAT WOOD SHINGLES
 9/30" ROOFING FELT
 1/2" CDX PLYWOOD
 1/2" GYPSUM SHEATHING
 6" STL. JOISTS @ 16" O.C.
 R-30 FIBERGLASS INSUL.
 5" RIGID INSUL.

6 MIL POLY. VAPOR BARRIER
 300 IN PLACE TIGHTLY STAPLED AT BOTTOM OF JOISTS
 12 MIL. DVC. FURRING CHANNELS @ 36" O.C. SCHEDULED TO
 JOISTS. TAPE TO ROOF DECK

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

1 WATERPROOFING DETAIL
 SCALE: 1" = 1'-0"

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

NO.	DATE	REVISIONS

John P. Peltola

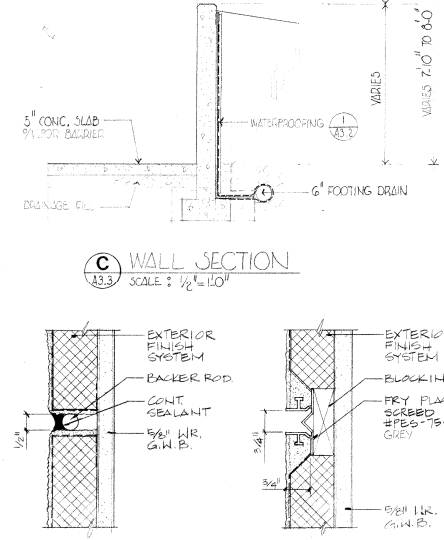
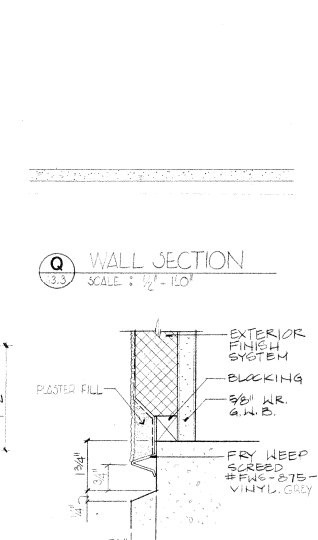
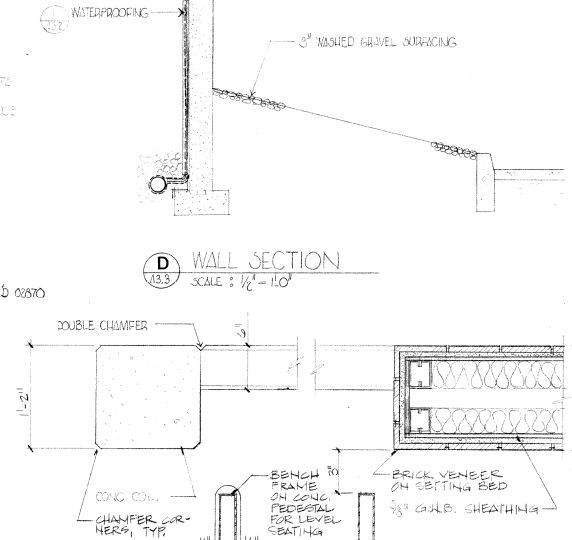
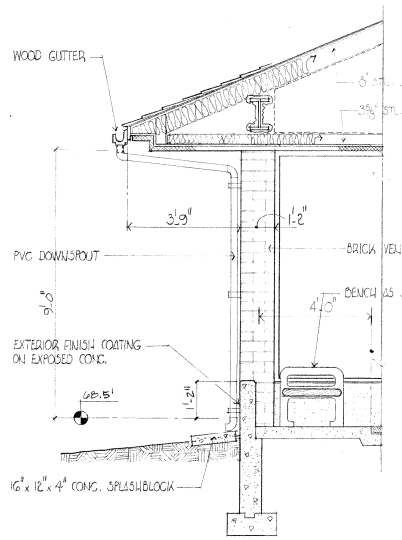
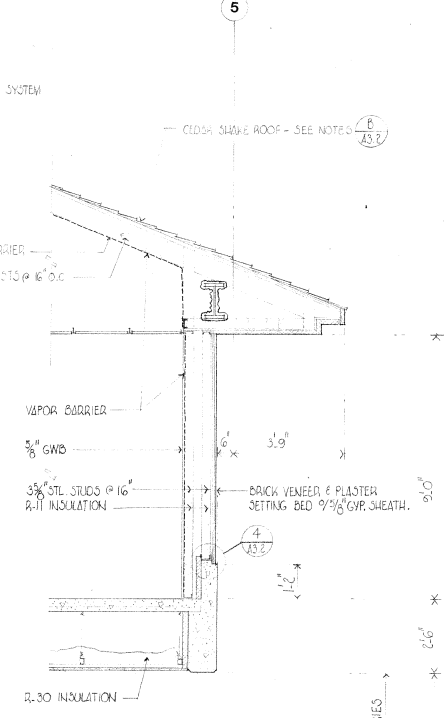
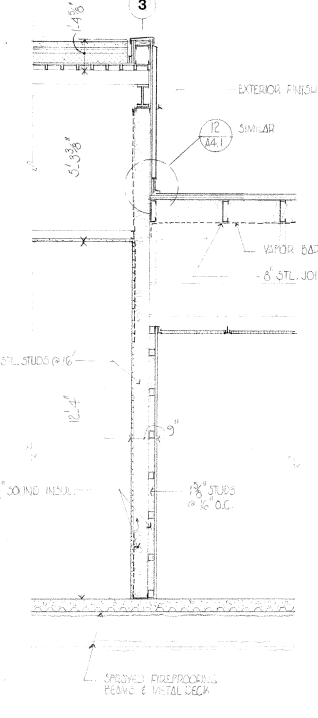
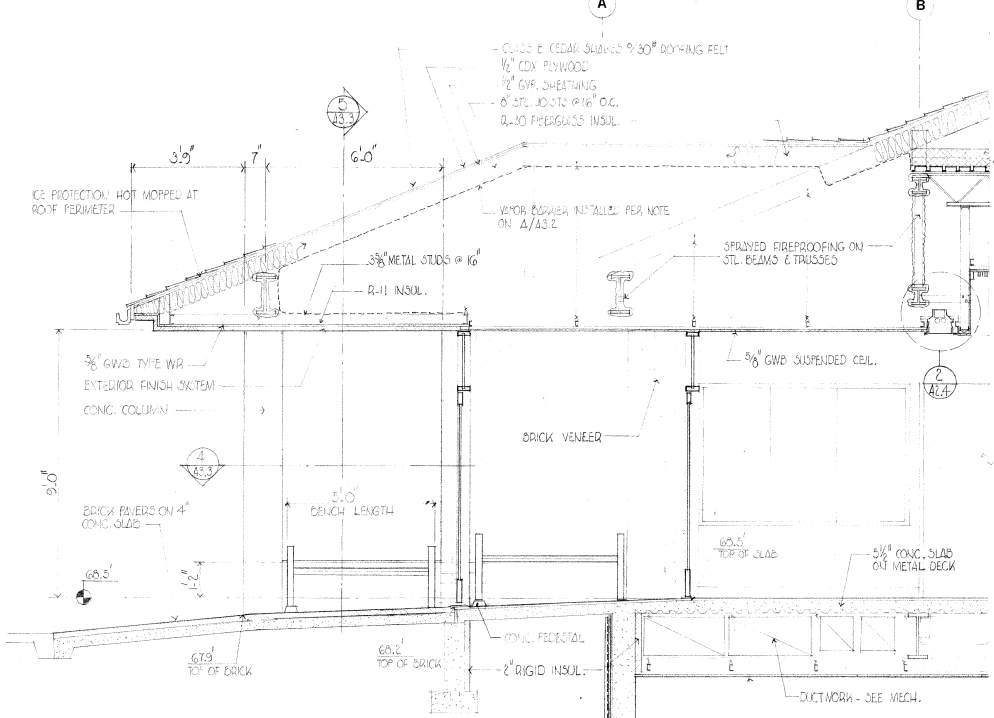
MRF
 MINCH • BITTER • FORREST ARCHITECTS
 800 Glacier Avenue, Suite 100
 Juneau, Alaska 99901
 907/586-1371

**Douglas Fire Station
 and Library**
 Douglas, Alaska
 CITY AND BOROUGH OF JUNEAU ALASKA
 MRF NO. 8501

SHEET TITLE
 WALL SECTIONS

DATE: January 1996
 DRAWN: dey
 CHKD:
 DWG. NO.

A3.2



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

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

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

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

SILL REVEAL HALF SCALE

CONTROL JOINT HALF SCALE

REVEAL JOINT HALF SCALE

NO.	DATE	REVISIONS

DMH/PTD

MRF

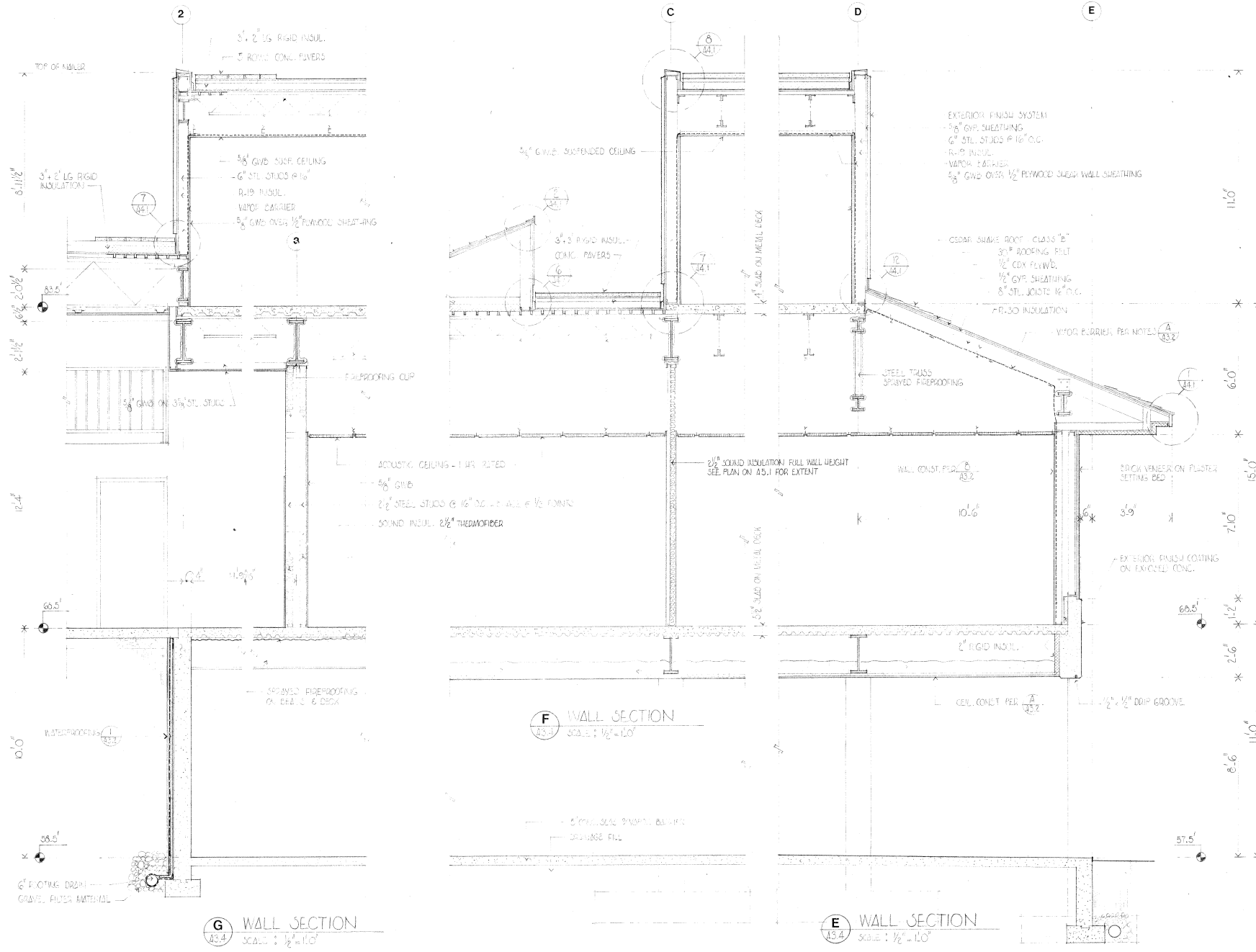
MINCH • RITTER • FORREST ARCHITECTS
Suite A
800 Glacier Avenue
Juneau, Alaska 99801
907/586-1371

Douglas Fire Station and Library

Douglas, Alaska
CITY AND BOROUGH OF JUNEAU ALASKA
MRF NO. 8501

SHEET TITLE	WALL SECTIONS
DATE	JANUARY 1936
DRAWN	DLB
CHKD.	
DWG. NO.	

A3.3



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

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

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

NO.	DATE	REVISIONS

[Signature]

MRF

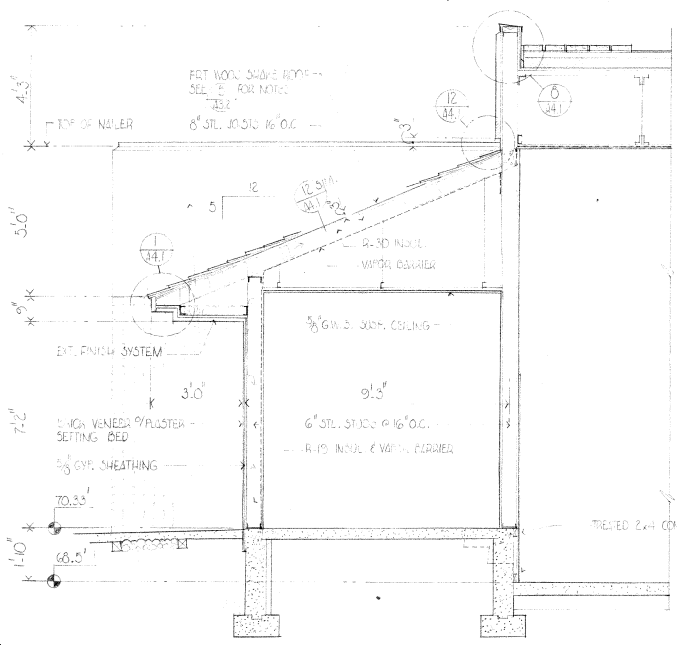
MINCH • BITTER • FORREST ARCHITECTS
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Juneau, Alaska 99801 907/586-1371

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MRF NO. 8501

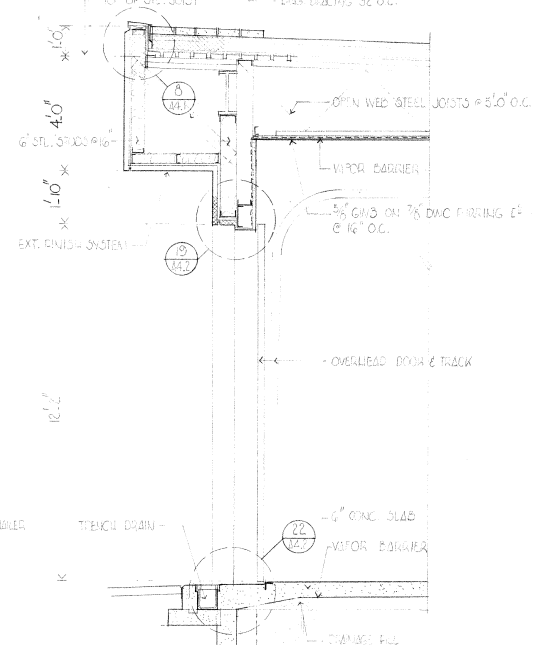
SHEET TITLE
WALL SECTIONS

DATE: JANUARY 1986
DRAWN: JEF
CHKD.:
DWG. NO.:

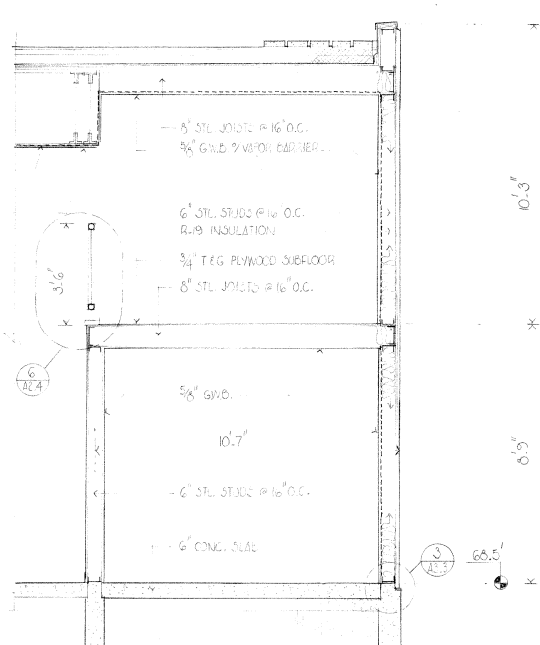
A3.4



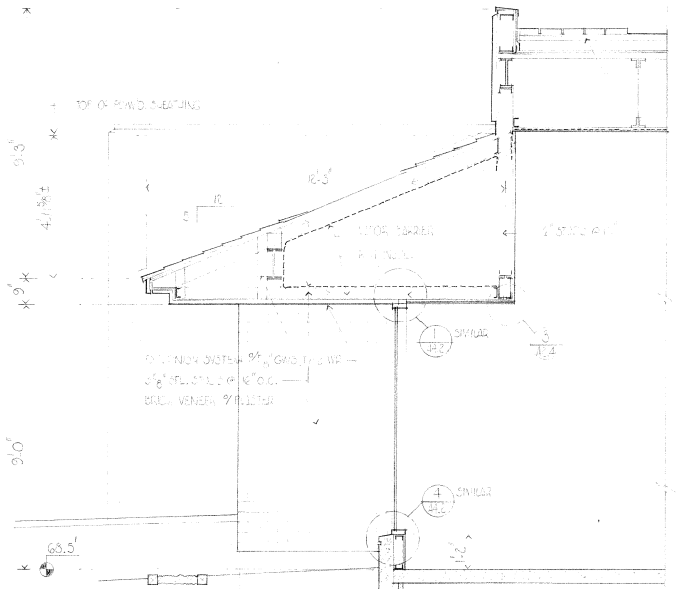
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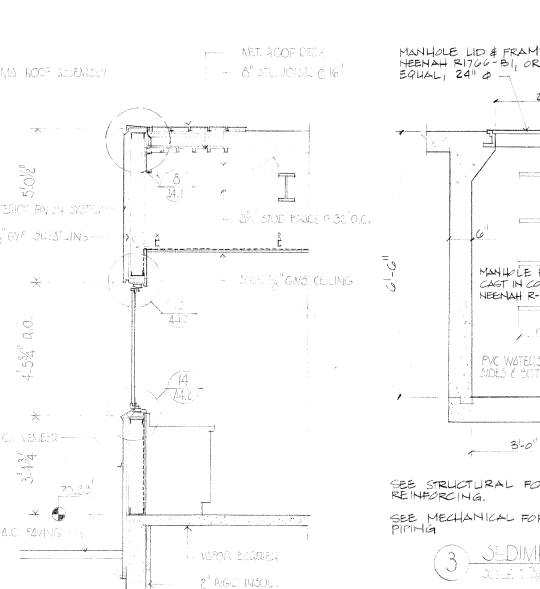
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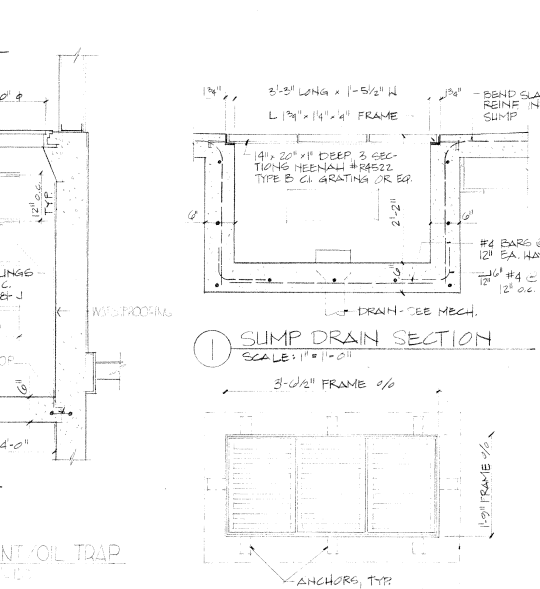
H WALL SECTION
SCALE: 1/2" = 1'-0"



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



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



1 SLUMP DRAIN SECTION
SCALE: 1/2" = 1'-0"

2 SLUMP DRAIN PLAN
SCALE: 1/2" = 1'-0"

3 SEDIMENT OIL TRAP
SCALE: 3/4" = 1'-0"

NO.	DATE	REVISIONS

D. H. H. H.

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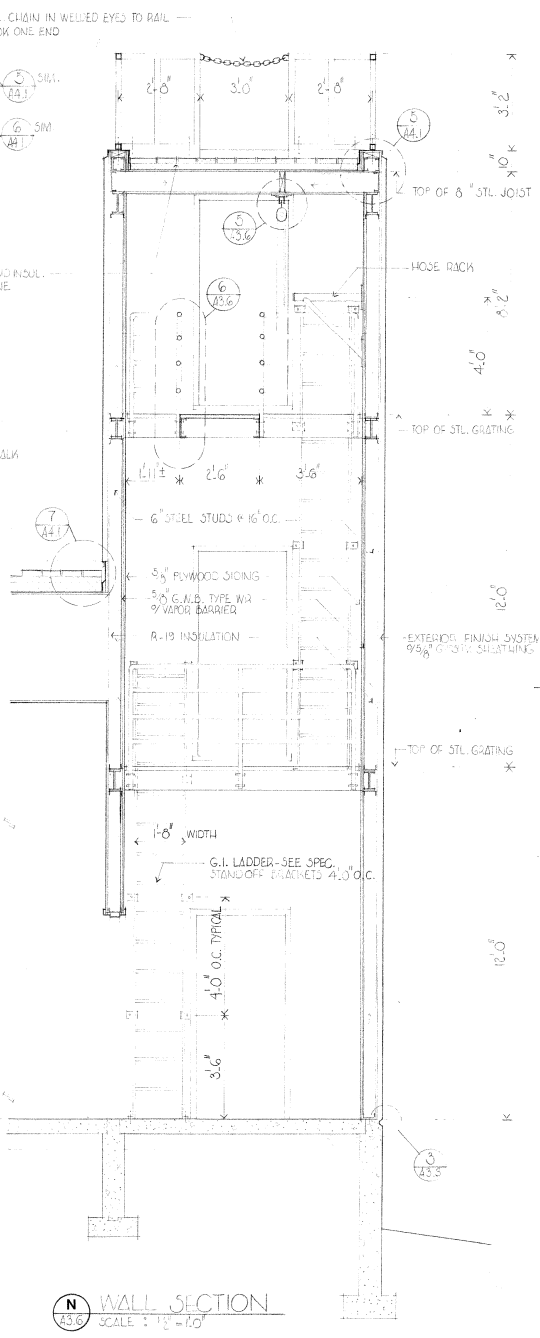
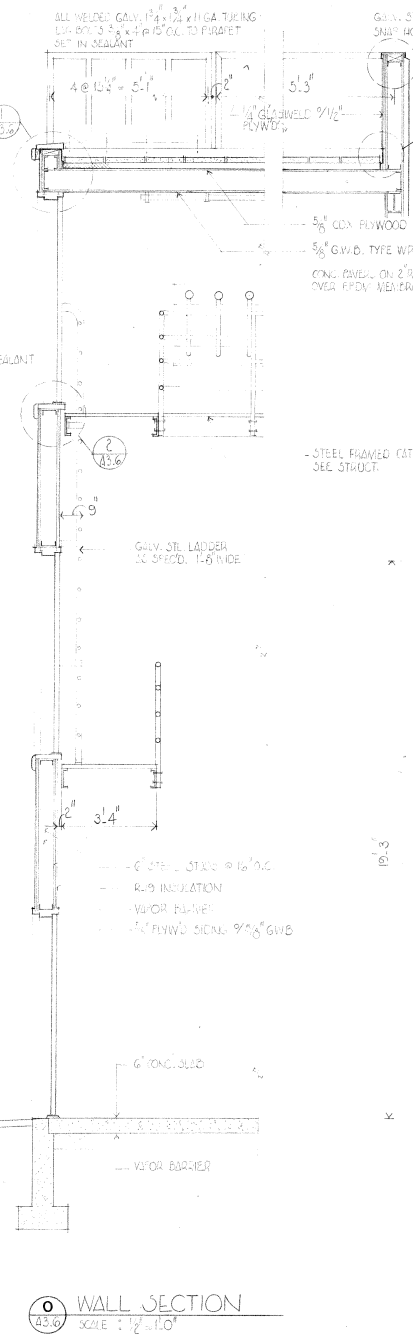
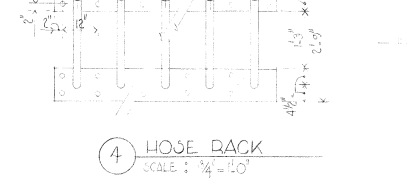
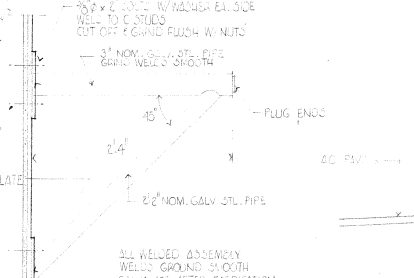
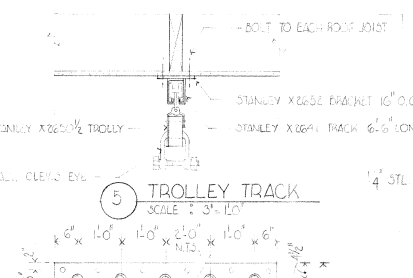
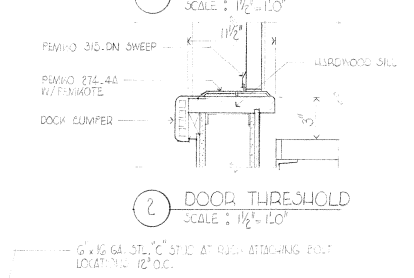
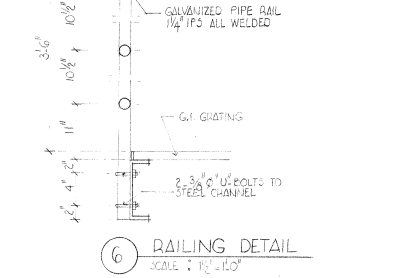
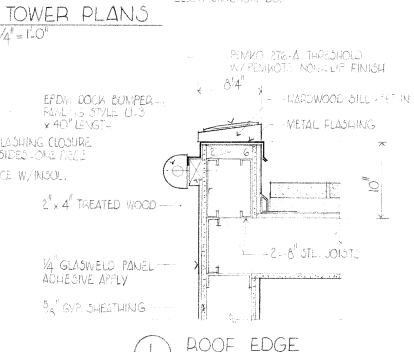
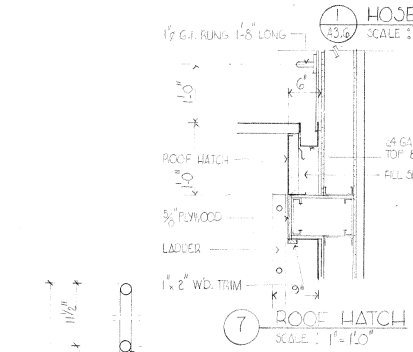
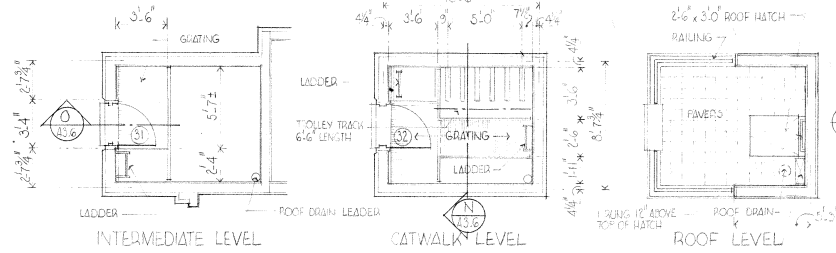
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Juneau, Alaska 99801
907/586-1374

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SHEET TITLE
WALL SECTIONS

DATE JAN. 13 '09
DRAW DLB dcf
CHKD DEN
DWG NO.

A3.5



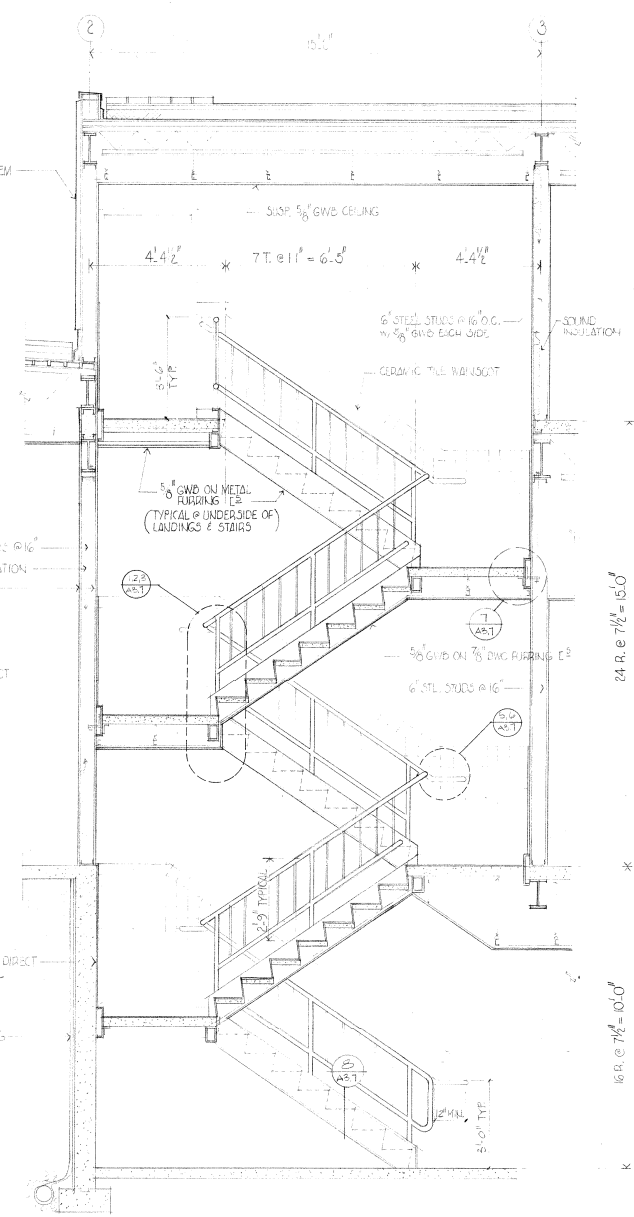
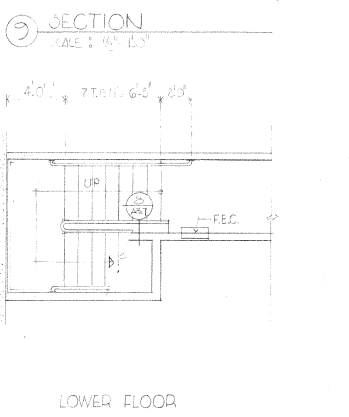
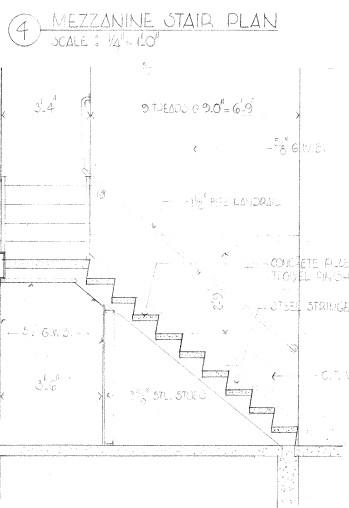
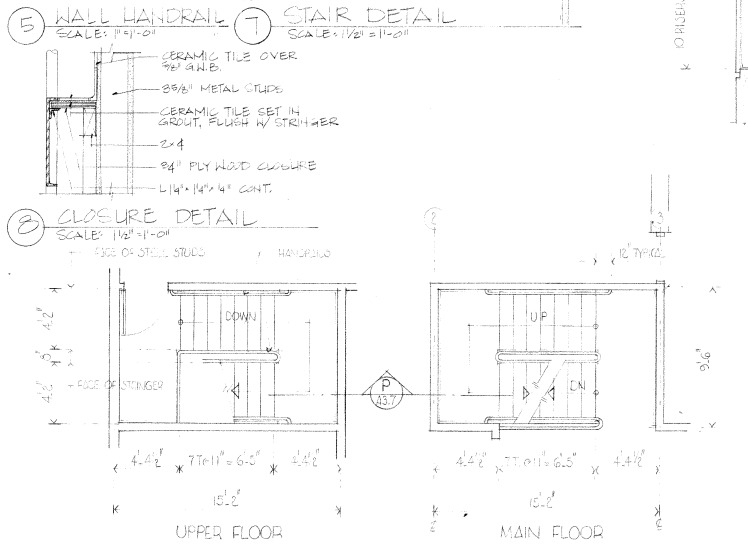
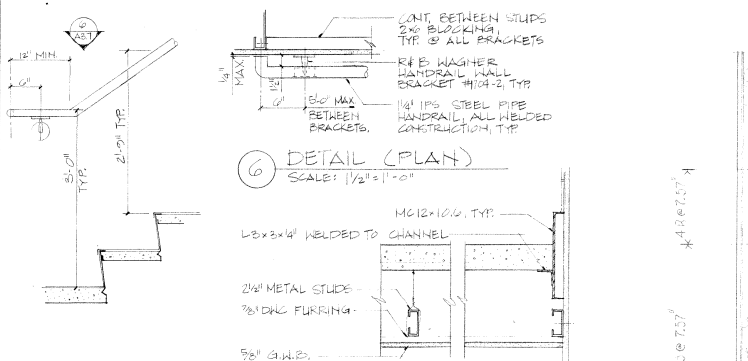
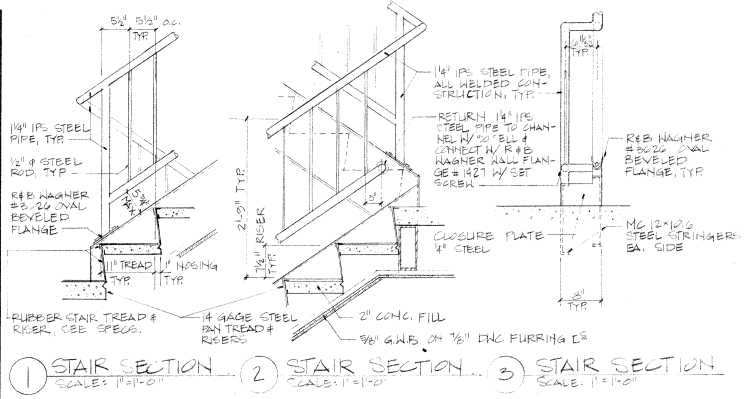
NO.	DATE	REVISIONS

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Juneau, Alaska 99801
907/586-1371

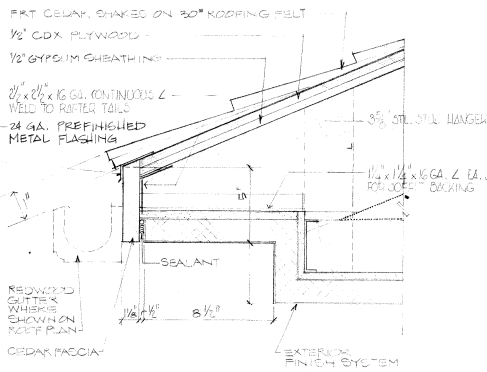
Douglas Fire Station and Library
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CITY AND BOROUGH OF JUNEAU ALASKA
MRF NO. 8501

SHEET TITLE
HOSE TOWER SECTIONS & DETAILS

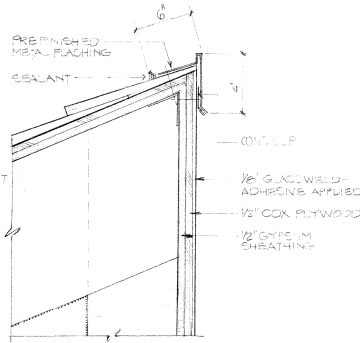
DATE: JANUARY 1956
DRAWN: dery
CHKD.:
DWS. NO.:
A3.6



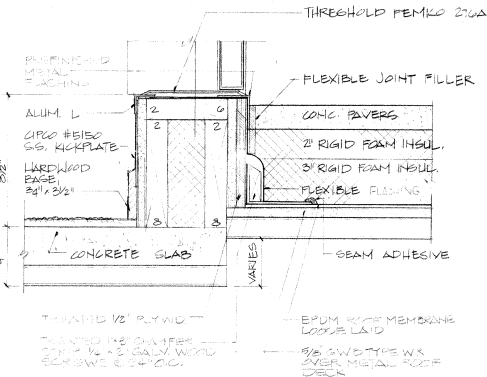
NO.	DATE	REVISIONS
Douglas Fire Station and Library Douglas, Alaska CITY AND BOROUGH OF JUNEAU ALASKA MRF NO. 8501		
SHEET TITLE STAIR SECTIONS & DETAILS		
DATE	JANUARY 1990	
DRAWN	den ocb	
CHKD.		
DWG. NO.		
A3.7		



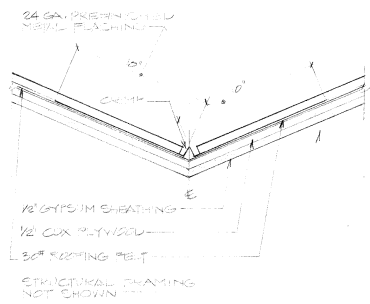
① EAVE DETAIL SCALE 3/4"=1'-0"



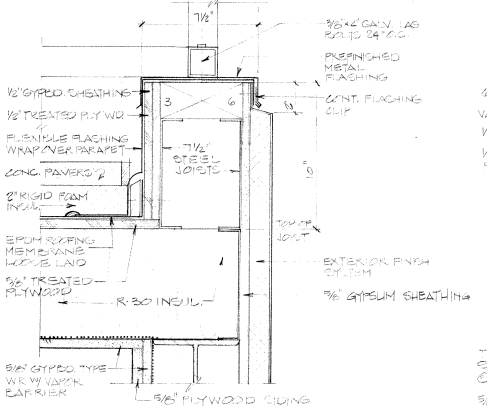
② HIGH PARAPET SCALE 3/4"=1'-0"



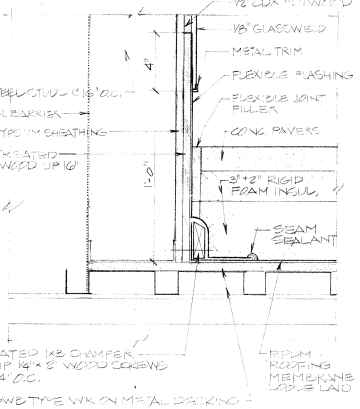
③ DOOR SILL SCALE 3/4"=1'-0"



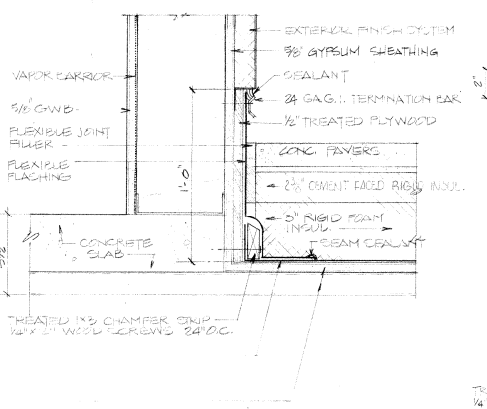
④ SHAKE ROOF VALLEY SCALE 3/4"=1'-0"



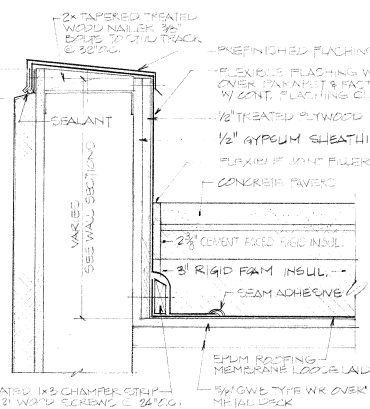
⑤ HOSE TOWER PARAPET SCALE 3/4"=1'-0"



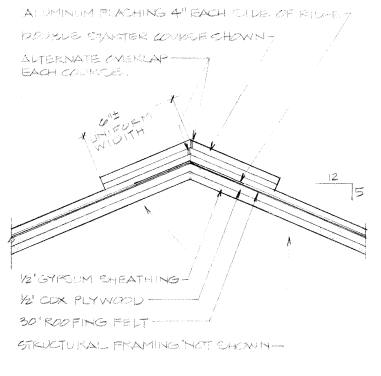
⑥ HIGH ROOF BASE FLASHING SCALE 3/4"=1'-0"



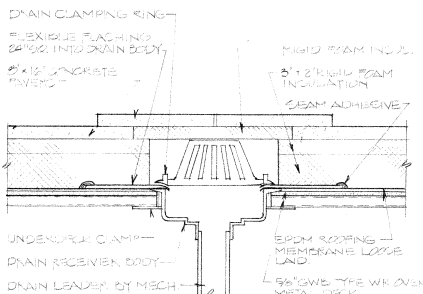
⑦ BASE FLASHING AT WALL SCALE 3/4"=1'-0"



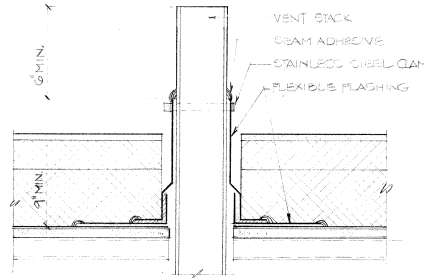
⑧ TYPICAL PARAPET SCALE 3/4"=1'-0"



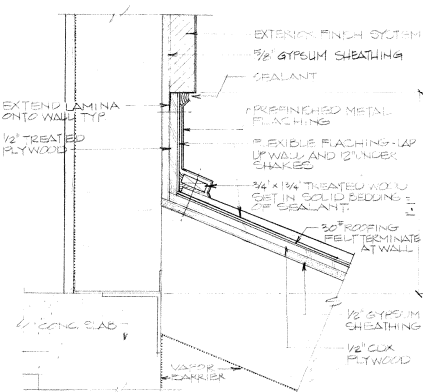
⑨ SHAKE ROOF RIDGE SCALE 3/4"=1'-0"



⑩ ROOF DRAIN SCALE 1/2"=1'-0"



⑪ ROOF VENT SCALE 3/4"=1'-0"



⑫ FLASHING TO SHAKE ROOF SCALE 3/4"=1'-0"

NO.	DATE	REVISIONS

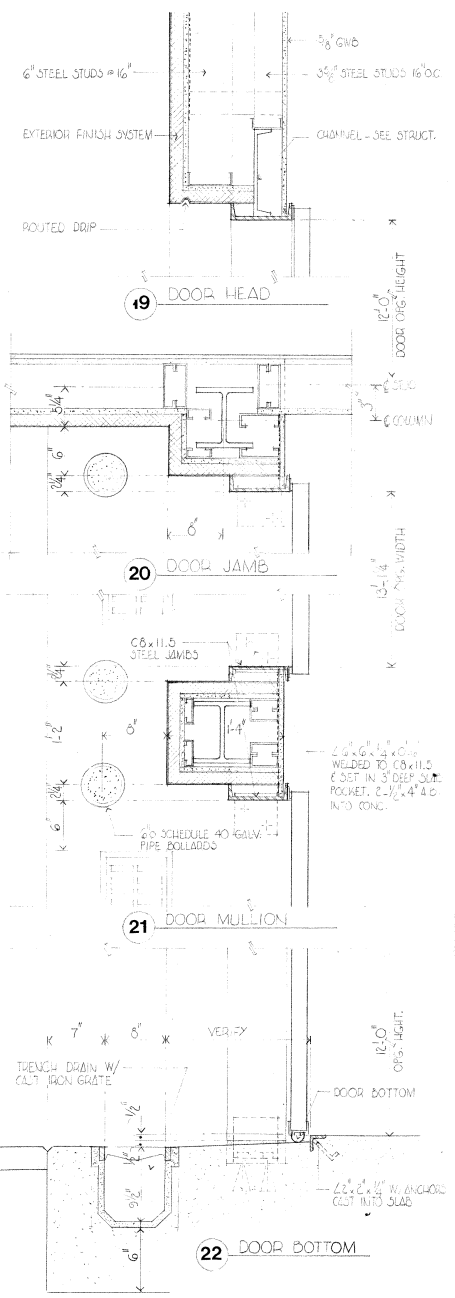
Handwritten signature

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 Juneau, Alaska 99801
 907/586-1371

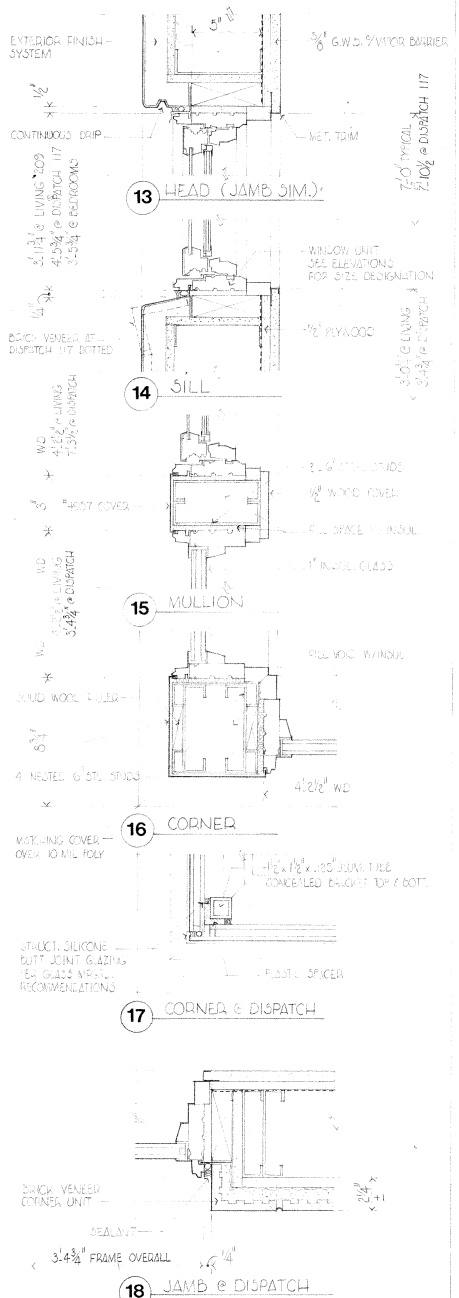
Douglas Fire Station and Library
 Douglas, Alaska
 CITY AND BOROUGH OF JUNEAU ALASKA
 MRF NO. 8501

SHEET TITLE
ROOF DETAILS
 DATE: JANUARY 1998
 DRAWN: K.K. DUB
 CHKD: [initials]
 DWG. NO.

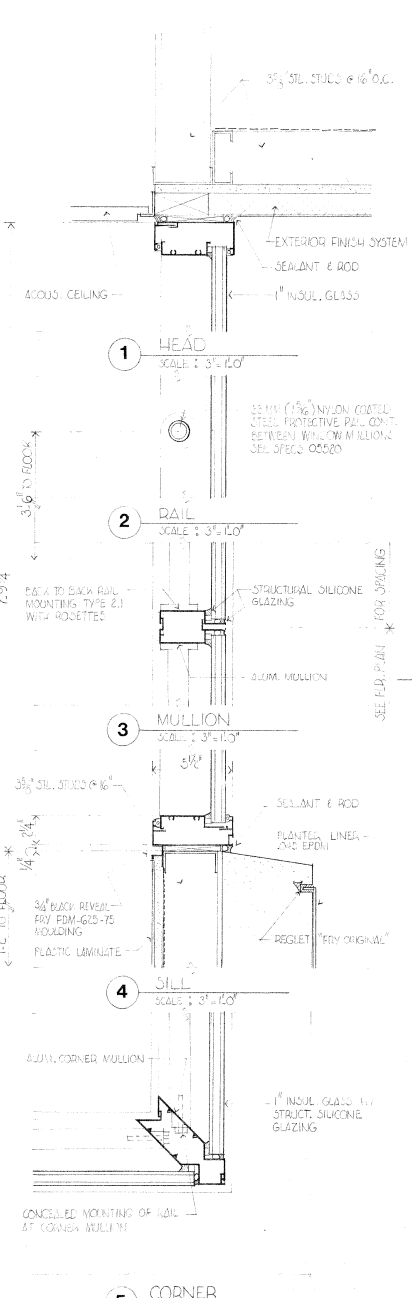
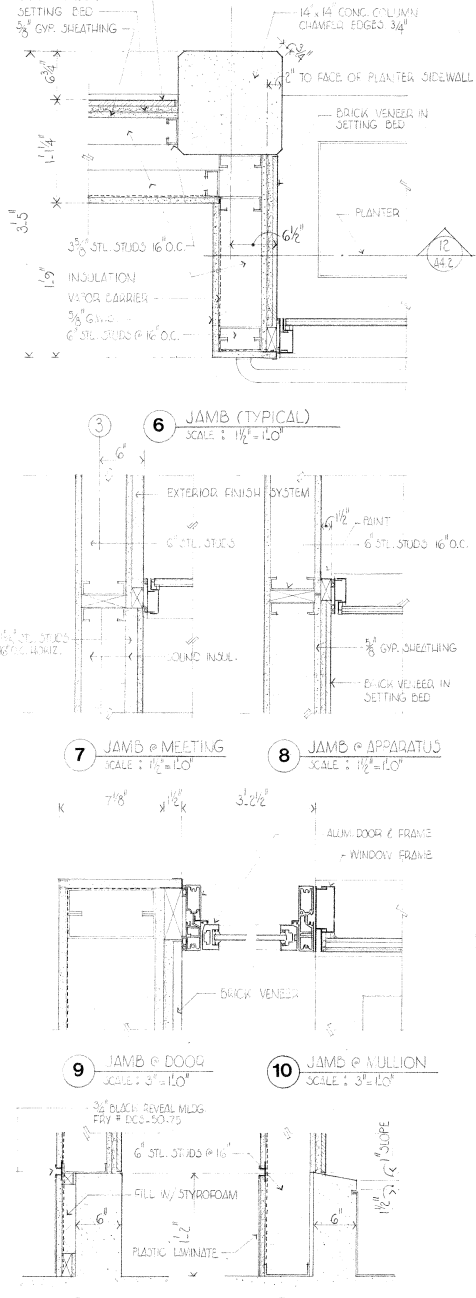
A4.1



APPARATUS DOOR DETAILS
SCALE : 1/2" = 1'-0"

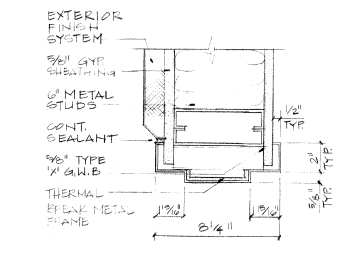


WOOD WINDOW DETAILS
SCALE : 3/4" = 1'-0"

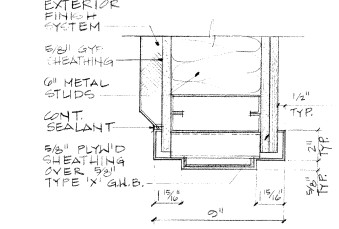


CURTAINWALL DETAILS
SCALE : AS NOTED

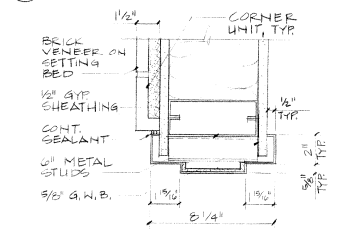
REVISIONS	
NO.	DATE
MRF	
MICH • RITTER • FORREST ARCHITECTS 800 Glacier Avenue Suite A Juneau, Alaska 99801 907/586-1371	
Douglas Fire Station and Library Douglas, Alaska CITY AND BOROUGH OF JUNEAU ALASKA MRF NO. 8501	
SHEET TITLE	
EXTERIOR WINDOW & WALL DETAILS	
DATE	JANUARY 1996
DRAWN	DBJ
CHKD.	
DWG. NO.	
A4.2	



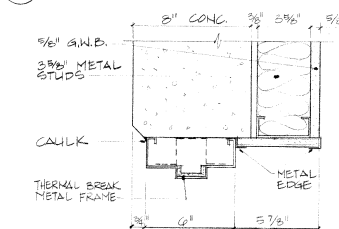
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SCALE: 3/4"=1'-0"



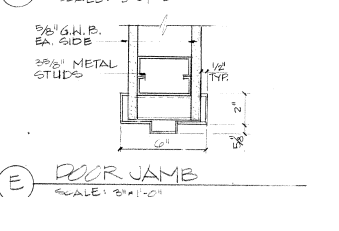
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SCALE: 3/4"=1'-0"



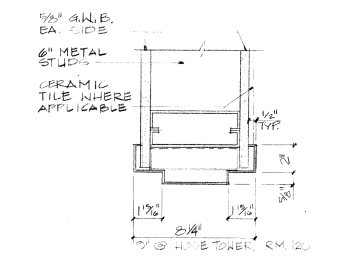
C DOOR JAMB
SCALE: 3/4"=1'-0"



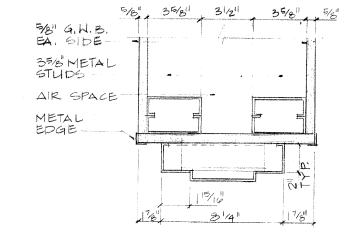
D DOOR JAMB
SCALE: 3/4"=1'-0"



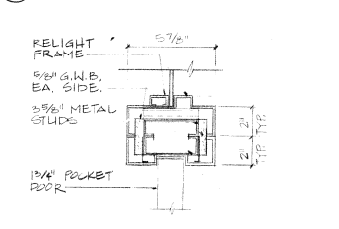
E DOOR JAMB
SCALE: 3/4"=1'-0"



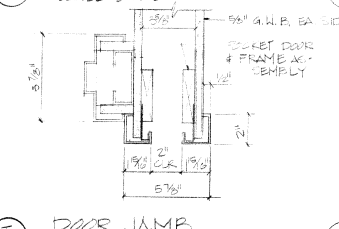
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SCALE: 3/4"=1'-0"



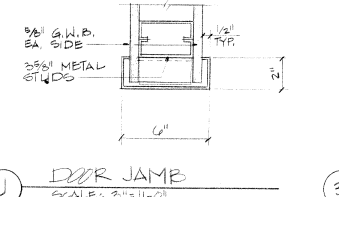
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SCALE: 3/4"=1'-0"



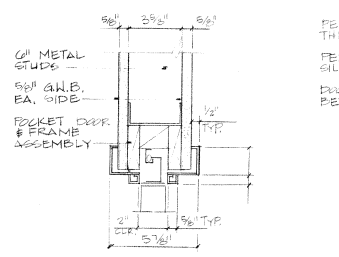
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SCALE: 3/4"=1'-0"



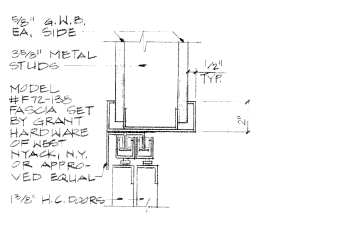
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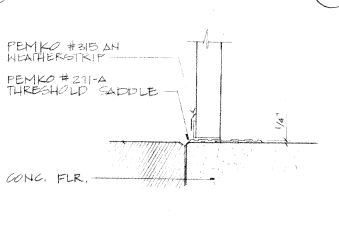
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SCALE: 3/4"=1'-0"



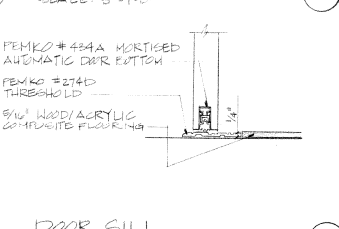
K POCKET DOOR HEAD
SCALE: 3/4"=1'-0"



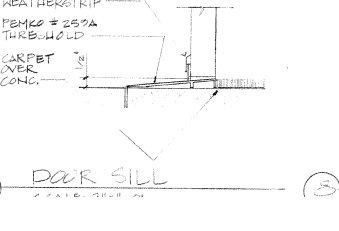
L CLOSET DOOR HEAD
SCALE: 3/4"=1'-0"



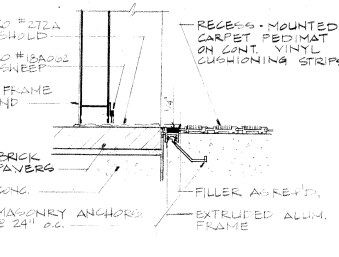
M DOOR SILL
SCALE: 3/4"=1'-0"



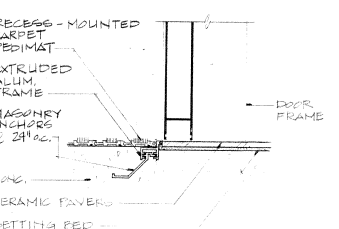
N DOOR SILL
SCALE: 3/4"=1'-0"



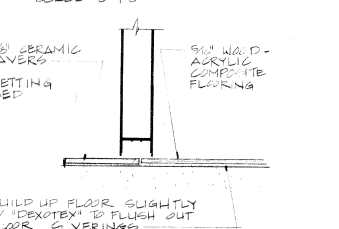
O DOOR SILL
SCALE: 3/4"=1'-0"



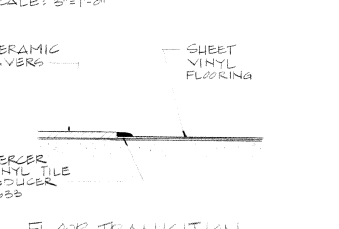
P DOOR SILL
SCALE: 3/4"=1'-0"



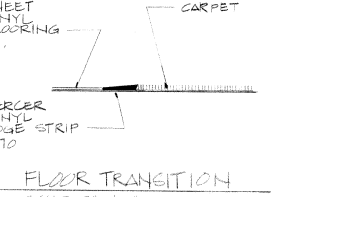
Q DOOR SILL
SCALE: 3/4"=1'-0"



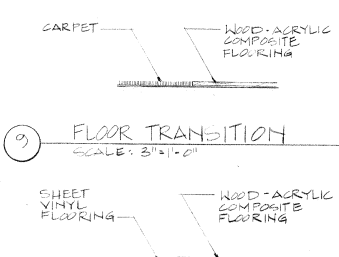
R DOOR SILL
SCALE: 3/4"=1'-0"



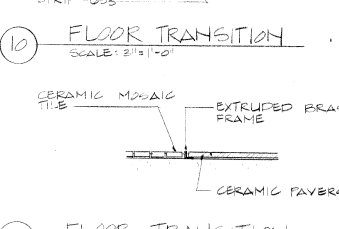
S FLOOR TRANSITION
SCALE: 3/4"=1'-0"



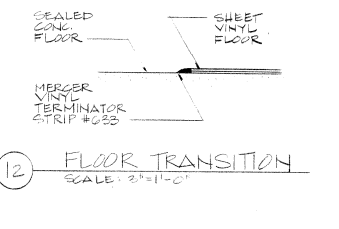
T FLOOR TRANSITION
SCALE: 3/4"=1'-0"



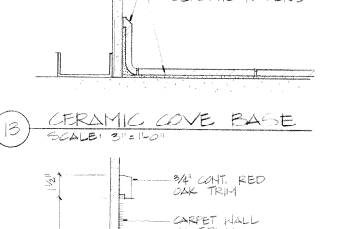
U FLOOR TRANSITION
SCALE: 3/4"=1'-0"



V FLOOR TRANSITION
SCALE: 3/4"=1'-0"



W FLOOR TRANSITION
SCALE: 3/4"=1'-0"



X FLOOR TRANSITION
SCALE: 3/4"=1'-0"



Y CERAMIC COVE BASE
SCALE: 3/4"=1'-0"

NO.	DATE	REVISIONS

DMF

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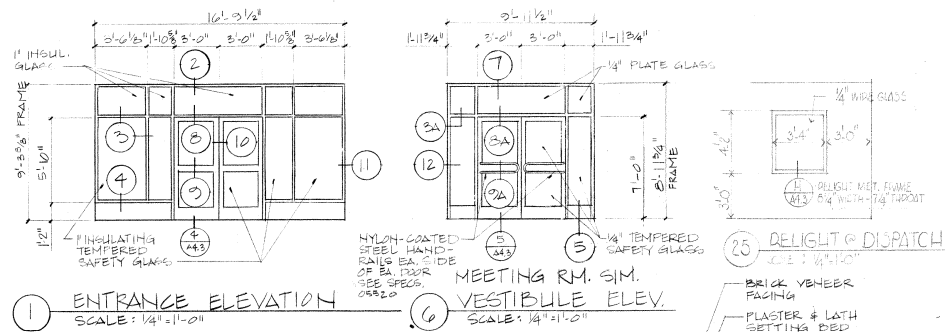
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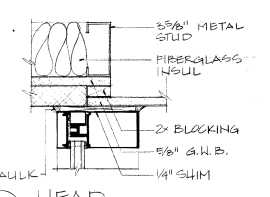
SHEET TITLE	DOOR JAMBS & THRESHOLDS
DATE	JANUARY 1986
DRAWN	DLB
CHKD	DLB
DWG. NO.	

A4.3

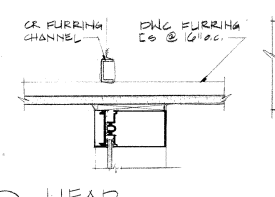


1 ENTRANCE ELEVATION
SCALE: 1/4"=1'-0"

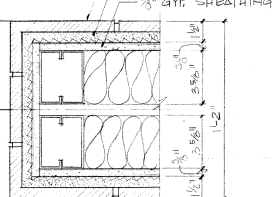
6 MEETING RM. SIDE VESTIBULE ELEV.
SCALE: 1/4"=1'-0"



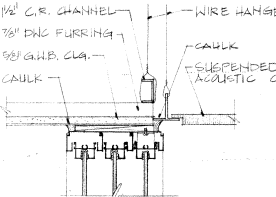
2 HEAD
SCALE: 3/8"=1'-0"



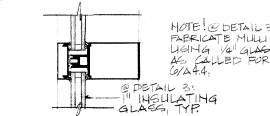
7 HEAD
SCALE: 3/8"=1'-0"



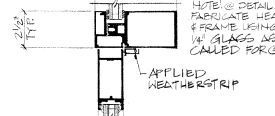
11 JAMB
SCALE: 3/8"=1'-0"



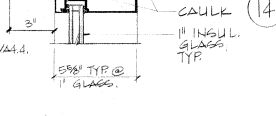
14 HEAD
SCALE: 3/8"=1'-0"



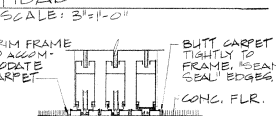
3 2A MULLION
SCALE: 3/8"=1'-0"



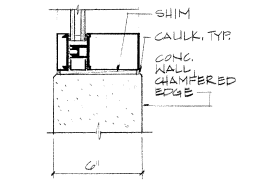
8 2A DOOR HEAD
SCALE: 3/8"=1'-0"



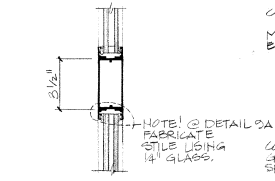
15 SILL
SCALE: 3/8"=1'-0"



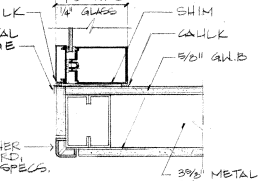
20 ELEVATION
SCALE: 1/2"=1'-0"



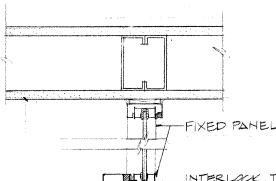
4 SILL
SCALE: 3/8"=1'-0"



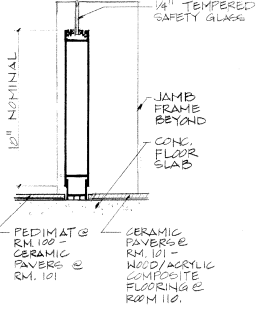
9 2A STILE
SCALE: 3/8"=1'-0"



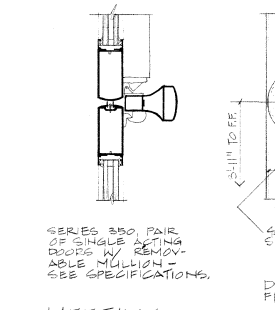
12 JAMB
SCALE: 3/8"=1'-0"



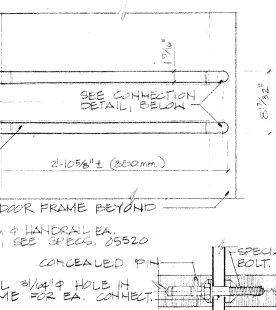
17 HEAD & SILL
SCALE: 3/8"=1'-0"



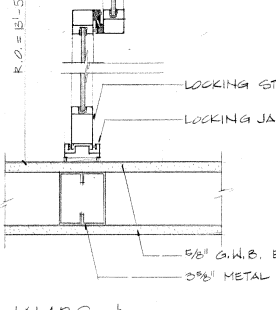
5 SILL
SCALE: 3/8"=1'-0"



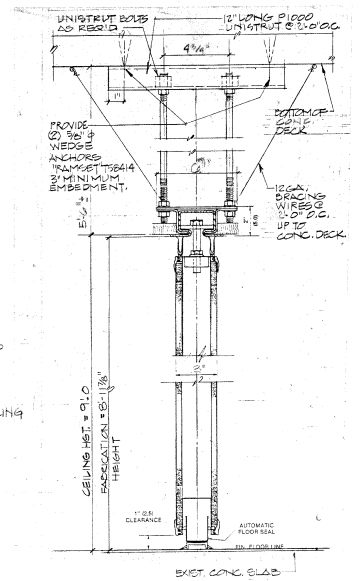
10 MEETING STILES
SCALE: 3/8"=1'-0"



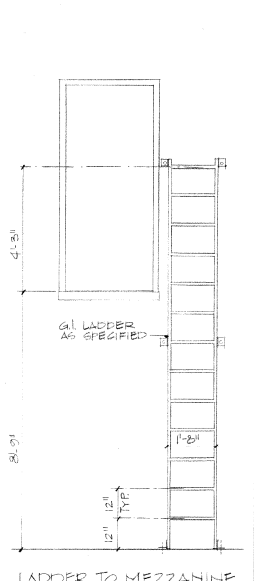
13 HANDRAIL DETAIL
SCALE: 1/2"=1'-0"



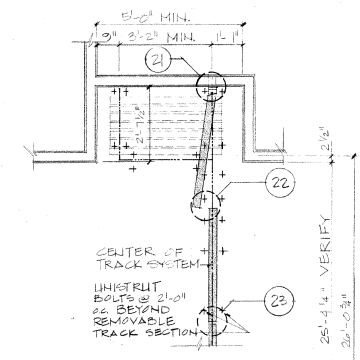
16 JAMBS & INTERLOCKS
SCALE: 3/8"=1'-0"



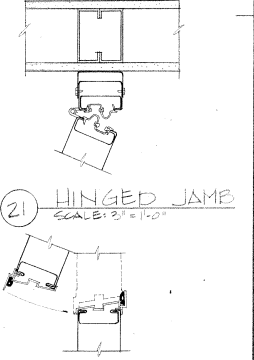
19 JAMB
SCALE: 1/2"=1'-0"



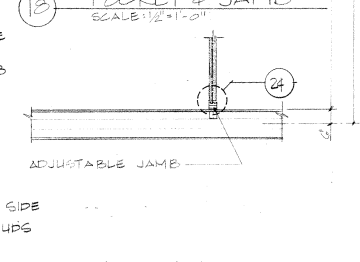
21 HINGED JAMB
SCALE: 3/8"=1'-0"



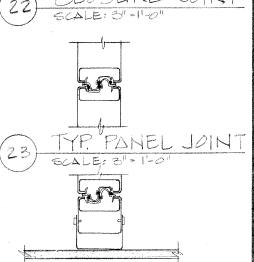
18 POCKET & JAMB
SCALE: 1/2"=1'-0"



22 CLOSURE JOINT
SCALE: 3/8"=1'-0"



23 TYP PANEL JOINT
SCALE: 3/8"=1'-0"



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

NO.	DATE	REVISIONS

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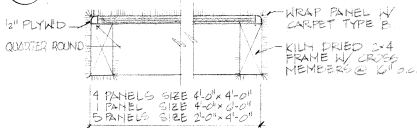
Douglas, Alaska
CITY AND BOROUGH OF JUNEAU ALASKA
MRF NO. 8501

SHEET TITLE	ENTRANCE AND SPECIAL DOORS
DATE	JANUARY 1996
DRAWN	DUB
CHKD.	DEM
DWG. NO.	A4.4

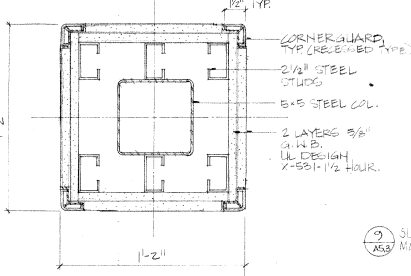
A4.4

DESIGNATION	QUANTITY	DESCRIPTION
A	35	HIGH DOUBLE-FACED STACK
B	6	HIGH SINGLE-FACED STACK
C	12	MEDIUM SINGLE-FACED STACK
D	17	LOW DOUBLE-FACED STACK
E	4	LOW SINGLE-FACED STACK
F	4	MEDIUM SINGLE-FACED MAGAZINE DISPLAY
G	4	DOUBLE BOOK BIN
H	2	SINGLE-SIDE RECORDS BIN
I	9	4-PERSON LIBRARY TABLE
J	6	RECREATIONAL TABLE
K	2	SINGLE STUDY CORREL
L	12	PORTABLE RISER, SEE DETAIL 2/A5.1
M	20	SLED-BASED SIDE CHAIR
N	12	LOUNGE CHAIR
O	2	LIBRARIAN'S STOOL (NOT SHOWN)
P	1	DICTIONARY STAND
Q	2	BOOK TRUCKS
R	1	DOUGHNUT TABLE

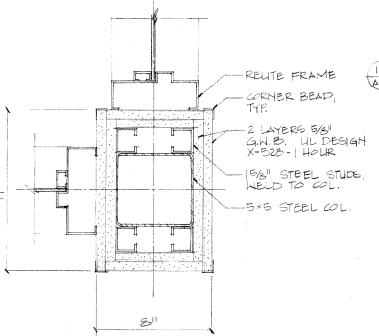
2 FURNISHINGS SCHEDULE



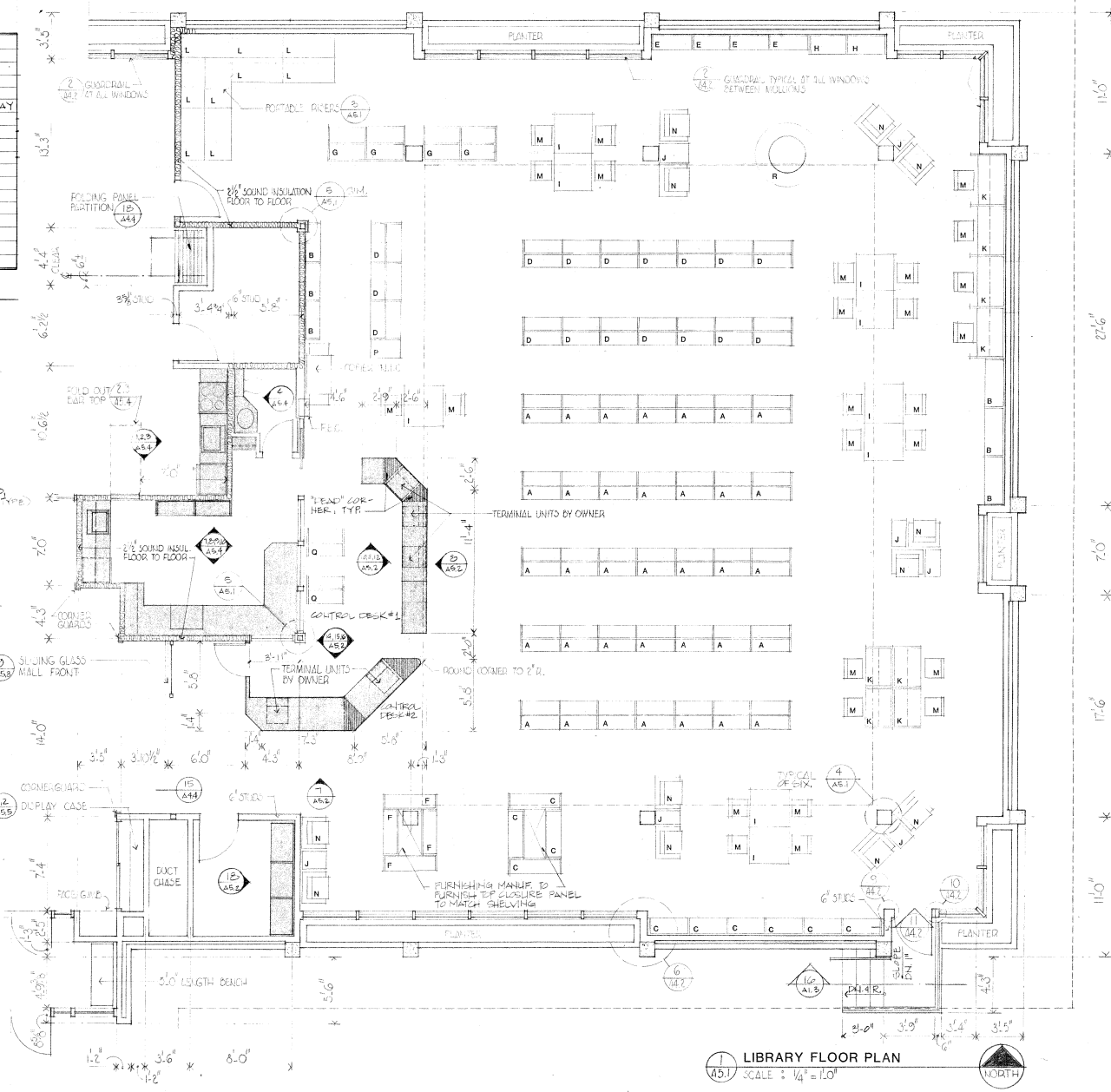
3 PORTABLE RISERS



4 COLUMN DETAIL




5 COLUMN PROTECTION



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

NO.	DATE	REVISIONS


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SHEET TITLE
 LIBRARY FLOOR PLAN

DATE: JANUARY 1986
 DRAWN: den, otc
 CHKD.:
 DWG. NO.:

A5.1

NO.	DATE	REVISIONS

Handwritten signature

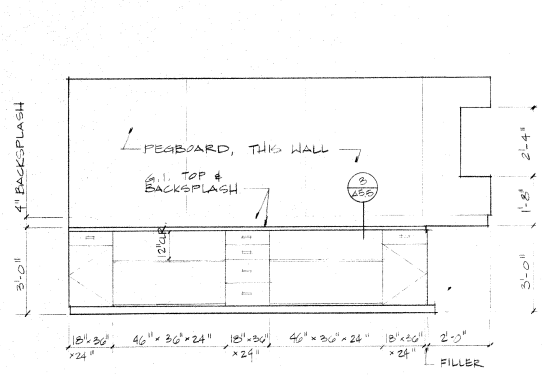
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 Juneau, Alaska 99801
 907.586.1371

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and Library**
 Douglas, Alaska
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 MRF NO. 8501

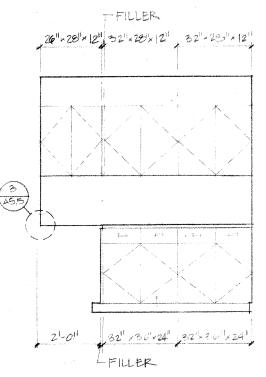
SHEET TITLE
CASEWORK DETAILS

DATE: JANUARY 1996
 DRAWN: DLB
 CHKD: JGJ
 DWG. NO.

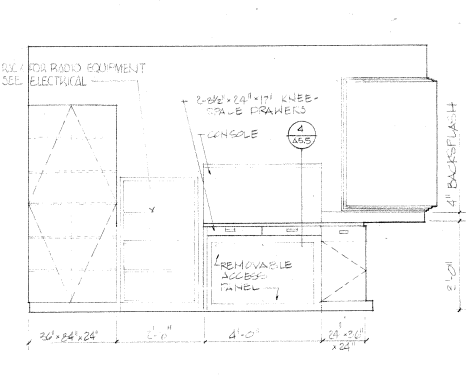
A5.2



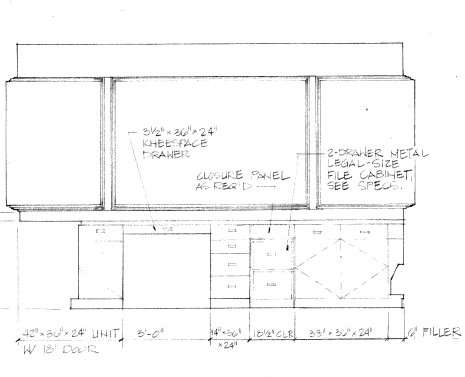
1 NORTH WALL - TOOLS, ROOM 121
 SCALE: 1/2" = 1'-0"



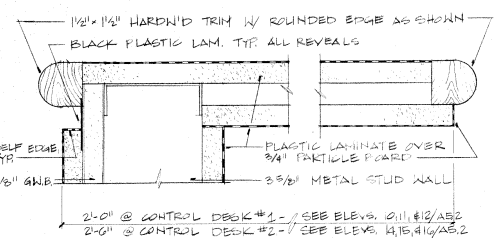
2 EAST WALL
 SCALE: 1/2" = 1'-0"



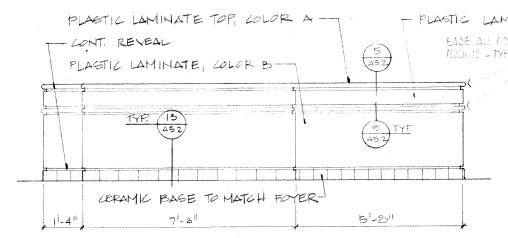
3 DISPATCH, ROOM 117, SOUTH WALL
 SCALE: 1/2" = 1'-0"



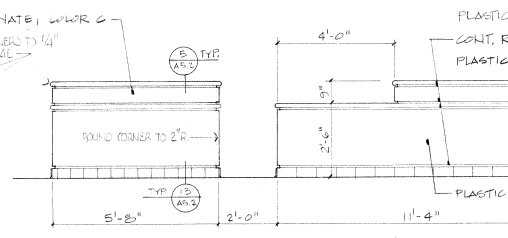
4 DISPATCH, ROOM 117, WEST WALL
 SCALE: 1/2" = 1'-0"



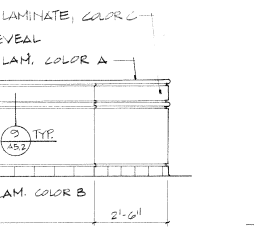
5 DETAIL
 HALF SCALE



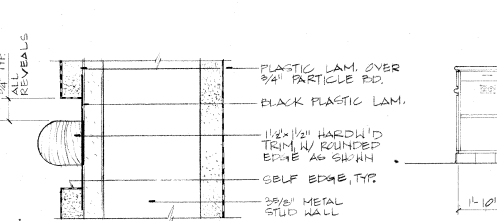
6 DETAIL
 HALF SCALE



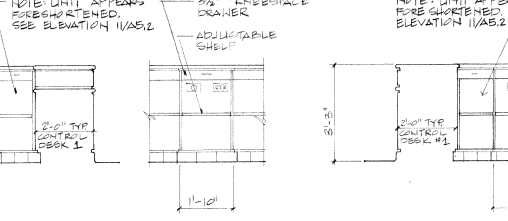
7 SOUTH FACE (OUTSIDE) - CD #2
 SCALE: 1/2" = 1'-0"



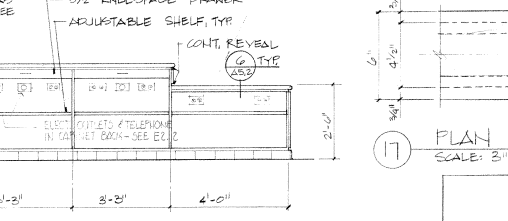
8 EAST FACE (OUTSIDE) - CONTROL DESKS # 2 # 1
 SCALE: 1/2" = 1'-0"



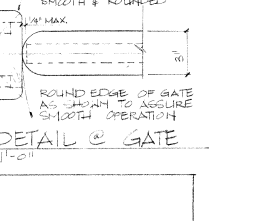
9 DETAIL
 HALF SCALE



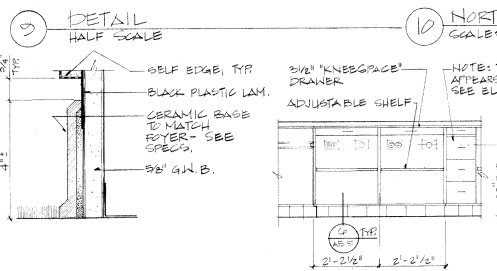
10 NORTH FACE - CD #1
 SCALE: 1/2" = 1'-0"



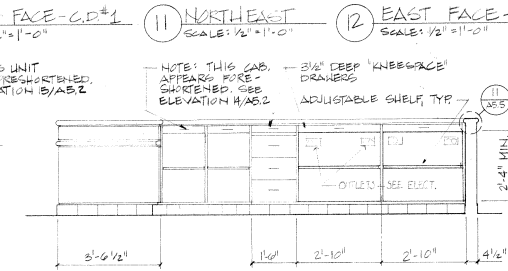
11 NORTHEAST
 SCALE: 1/2" = 1'-0"



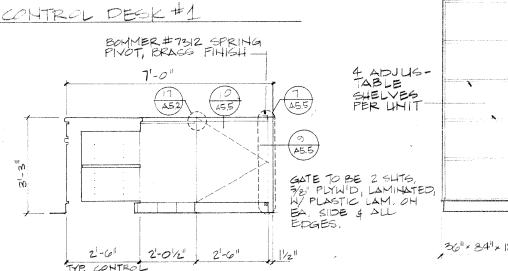
12 EAST FACE - CONTROL DESK # 1
 SCALE: 1/2" = 1'-0"



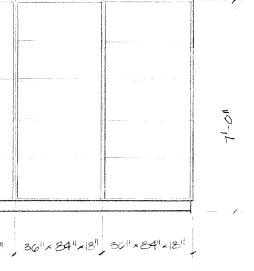
13 DETAIL
 HALF SCALE



14 SOUTHEAST FACE
 SCALE: 1/2" = 1'-0"



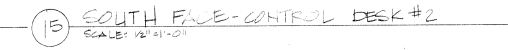
15 SOUTH FACE - CONTROL DESK # 2
 SCALE: 1/2" = 1'-0"



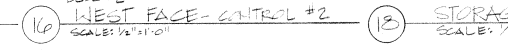
16 WEST FACE - CONTROL # 2
 SCALE: 1/2" = 1'-0"



17 PLAN DETAIL @ GATE
 SCALE: 3/8" = 1'-0"



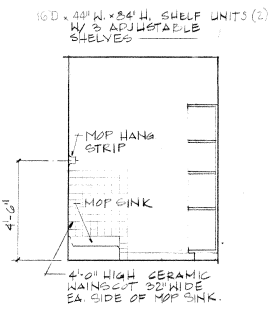
18 STORAGE, RM 103, EAST WALL
 SCALE: 1/2" = 1'-0"



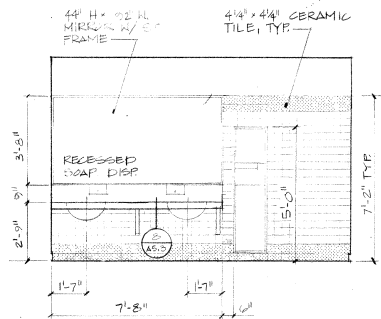
19 DETAIL
 HALF SCALE



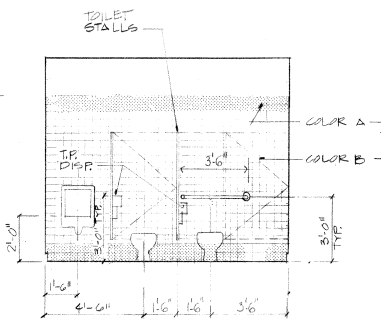
20 DETAIL
 HALF SCALE



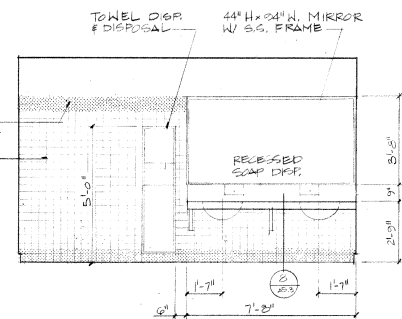
1 JANITOR, RM. 113, WEST
SCALE: 3/8" = 1'-0"



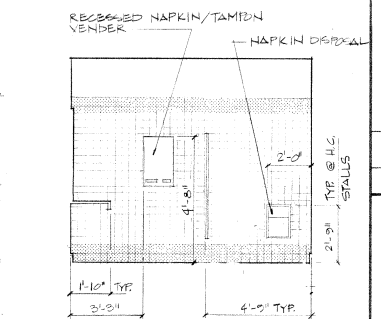
2 MEN'S TOILET, RM. 114, NORTH WALL
SCALE: 3/8" = 1'-0"



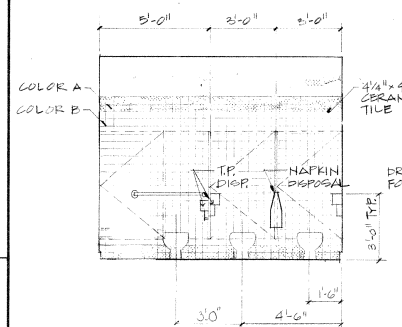
3 MEN'S, RM. 114, SOUTH WALL
SCALE: 3/8" = 1'-0"



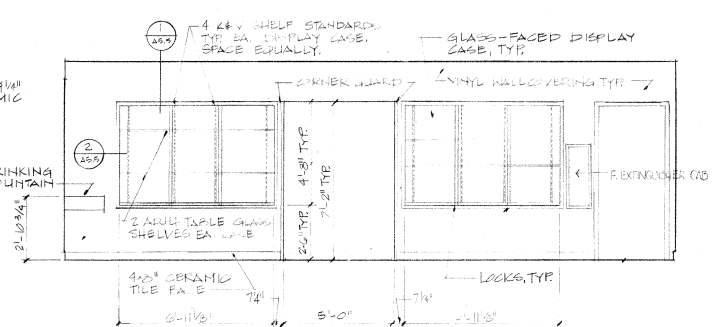
4 WOMEN'S TOILET, RM. 115, SOUTH WALL
SCALE: 3/8" = 1'-0"



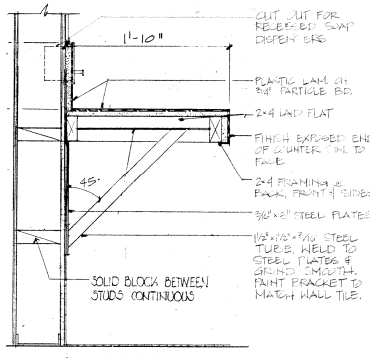
5 WOMEN'S, RM. 115, WEST WALL
SCALE: 3/8" = 1'-0"



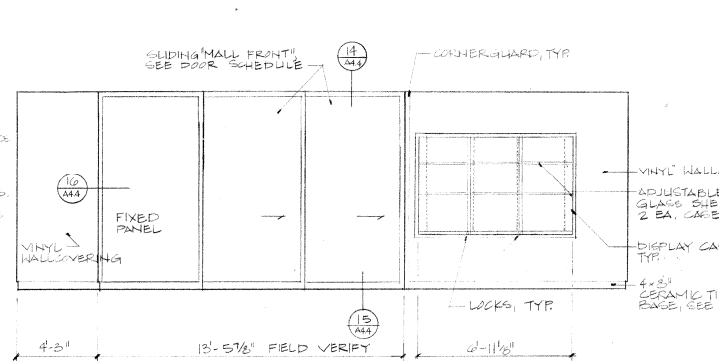
6 WOMEN'S, RM. 115, NORTH
SCALE: 3/8" = 1'-0"



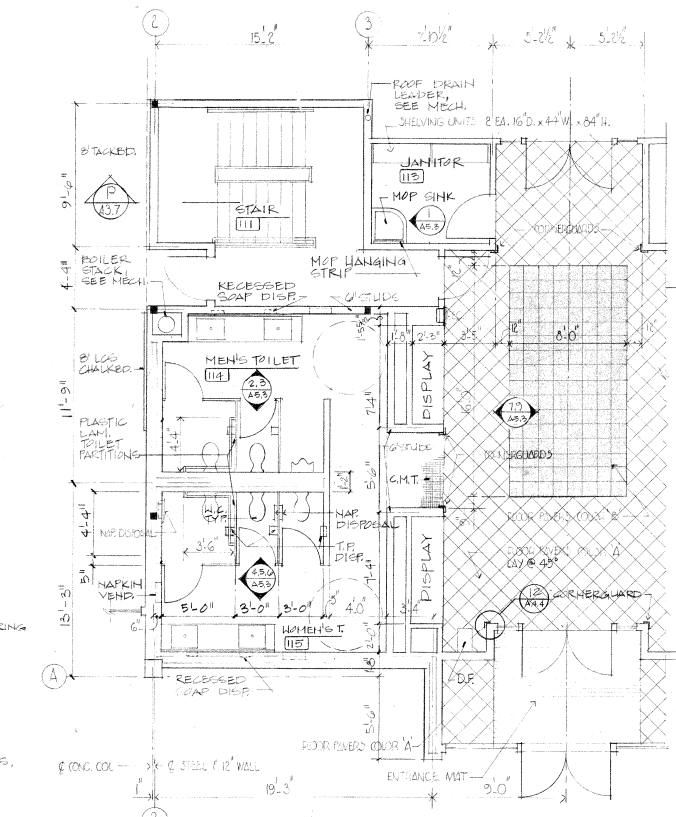
7 FOYER, ROOM 101, WEST WALL
SCALE: 3/8" = 1'-0"



8 VANITY COUNTERTOP
SCALE: 1/2" = 1'-0"



9 FOYER, ROOM 101, EAST WALL
SCALE: 3/8" = 1'-0"



10 DETAIL PLAN @ ROOMS 101, 111, 112, 113, 114, & 115
SCALE: 1/4" = 1'-0"

NO.	DATE	REVISIONS

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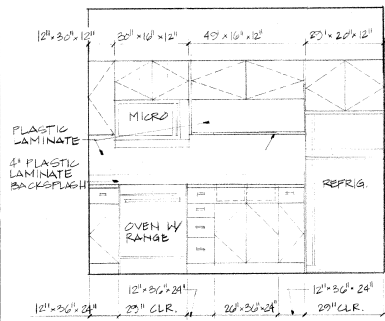
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Douglas, Alaska
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MRF NO. 8501

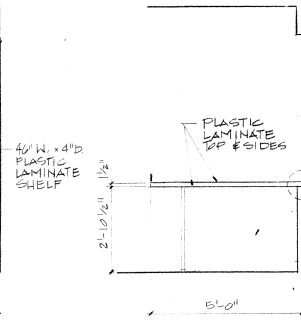
SHEET TITLE
TOILET & FOYER ROOM ELEVATIONS

DATE: JUN 15, 1976
DRAW: DUB
CHKD: PEN
DWG. NO.

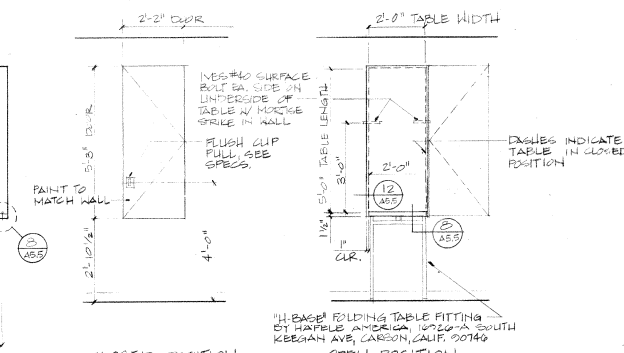
A5.3



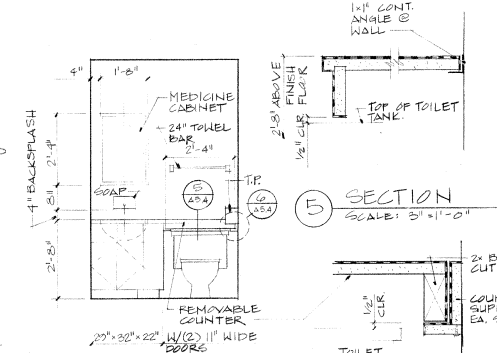
1 KITCHENETTE RM. 107, EAST WALL
SCALE: 1/2" = 1'-0"



2 EAST ELEV.
SCALE: 1/2" = 1'-0"

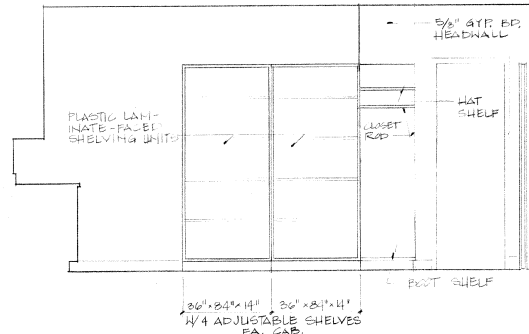


3 CLOSED POSITION SOUTH WALL FOLD DOWN BAR
SCALE: 1/2" = 1'-0"

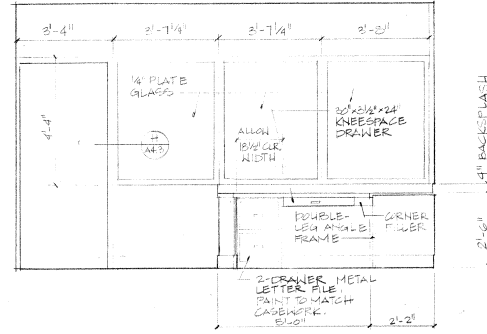


4 LAV. RM. 106, WEST WALL
SCALE: 1/2" = 1'-0"

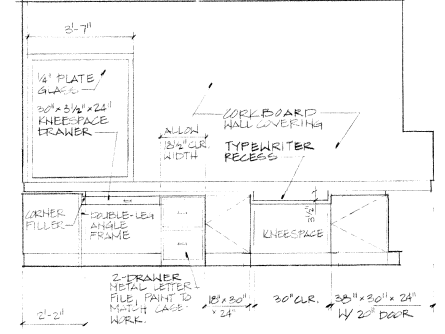
6 DETAIL
SCALE: 3" = 1'-0"



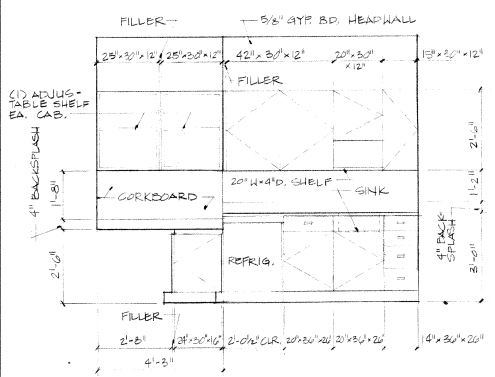
7 OFFICE, ROOM 105, NORTH WALL
SCALE: 1/2" = 1'-0"



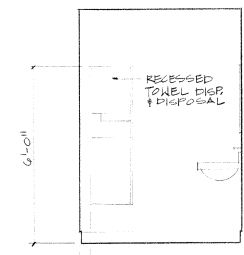
8 OFFICE, ROOM 105, EAST WALL
SCALE: 1/2" = 1'-0"



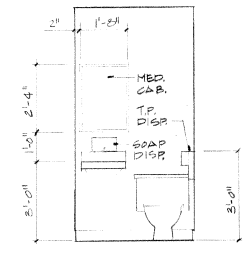
9 OFFICE, ROOM 105, SOUTH WALL
SCALE: 1/2" = 1'-0"



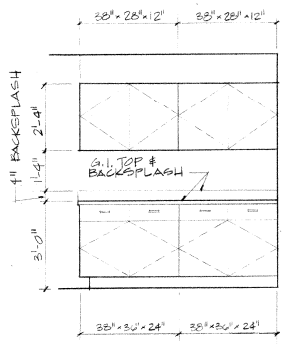
10 OFFICE, ROOM 105, WEST WALLS
SCALE: 1/2" = 1'-0"



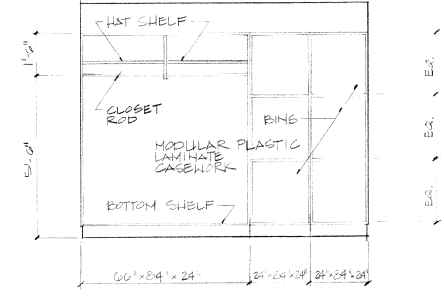
11 TOILET RM. 124 WEST WALL
SCALE: 1/2" = 1'-0"



12 TOILET, ROOM 124 NORTH WALL
SCALE: 1/2" = 1'-0"



13 UTILITY RM. 123 SOUTH
SCALE: 1/2" = 1'-0"



14 UTILITY ROOM 123, EAST WALL
SCALE: 1/2" = 1'-0"

NO.	DATE	REVISIONS

1/2" CONT. ANGLE @ WALL
TOP OF TOILET TANK
2" BLK. CUT DN.
COUNTERS SUPPORT EA. SIDE
TOILET TANK

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MRF NO. 8501

SHEET TITLE
ROOM ELEVATIONS & DETAILS

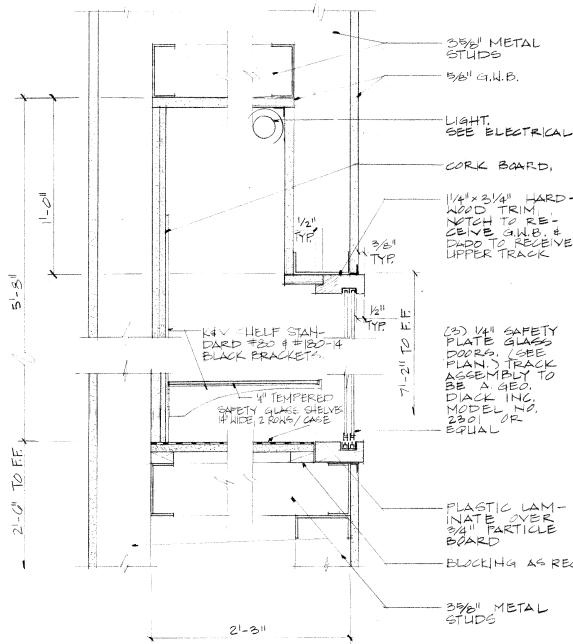
DATE JAN. 90

DRAWN DFB

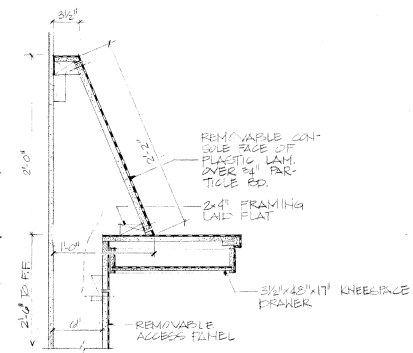
CHKD. DEN

DWG. NO.

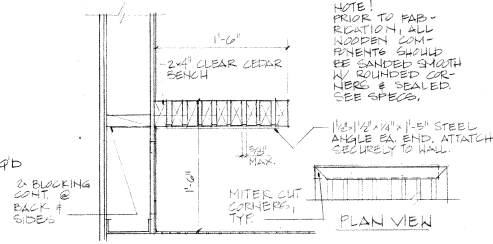
A5.4



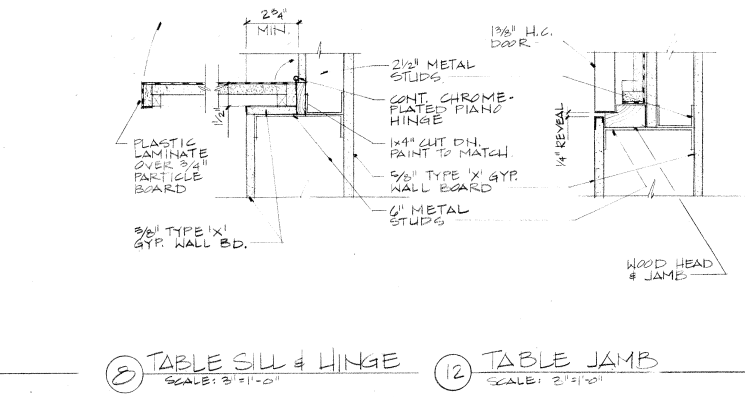
SECTION 1
SCALE: 3/4\"/>



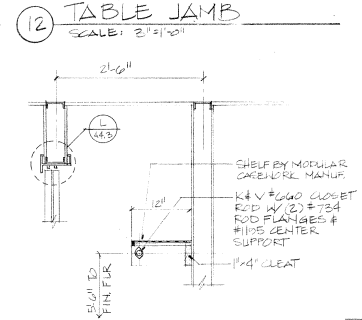
SECTION 4
SCALE: 3/4\"/>



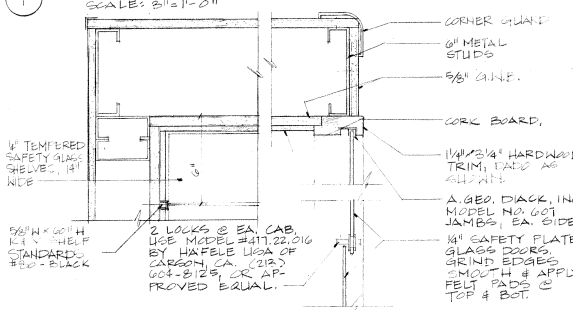
SECTION 5
SCALE: 3/4\"/>



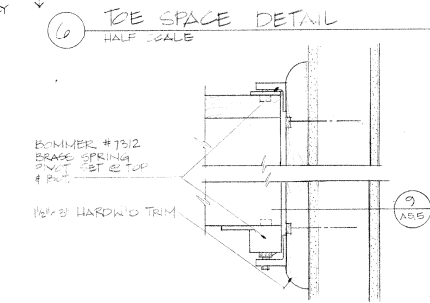
SECTION 8
SCALE: 3/4\"/>



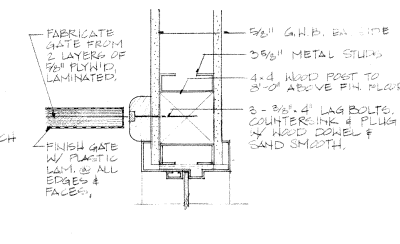
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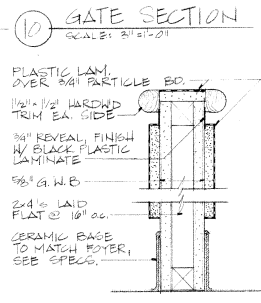
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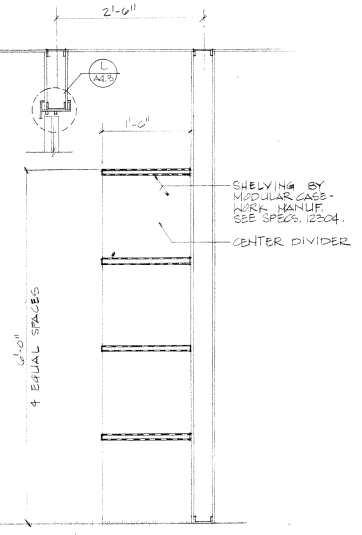
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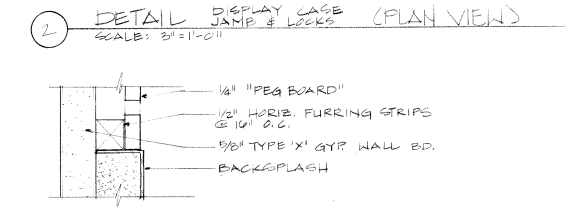
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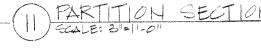
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SECTION 13
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SECTION 3
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SECTION 11
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SECTION 14
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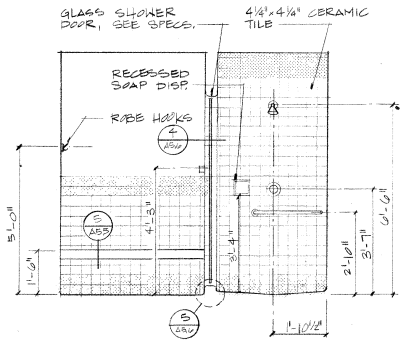
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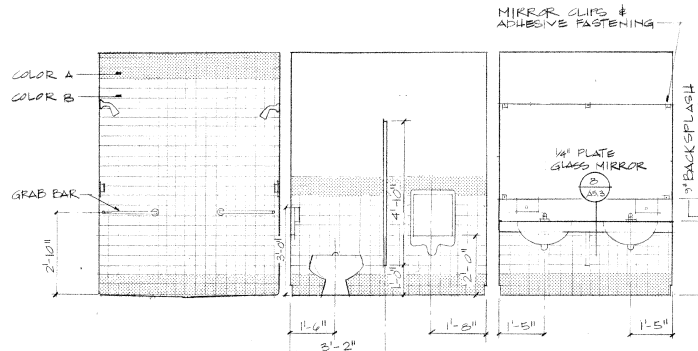
Douglas, Alaska
CITY AND BOROUGH OF JUNEAU ALASKA
MRF NO. 8501

SHEET TITLE CASEWORK DETAILS	
DATE	JAN. 86
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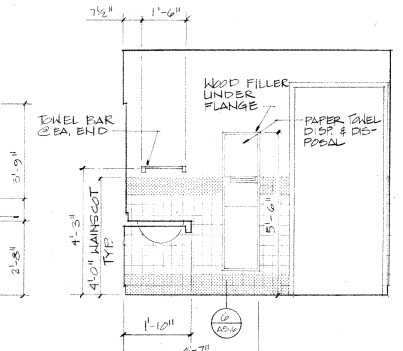
NOTE: 1 SOUTH ELEV. @ SHOWER MIRROR NORTH ELEV.



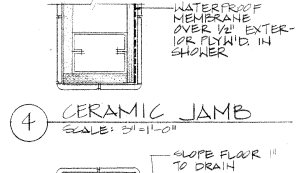
1 DRESSING/SHOWER, RMs. 205/206 NORTH SCALE: 1/2" = 1'-0"



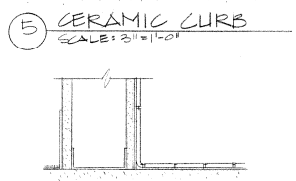
2 TOILET, ROOM 204, EAST WALL SCALE: 1/2" = 1'-0"



3 TOILET, RM. 204, SOUTH SCALE: 1/2" = 1'-0"



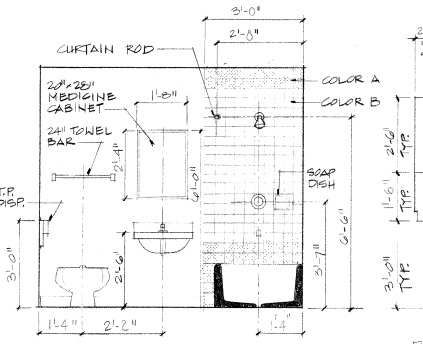
4 CERAMIC JAMB SCALE: 3/4" = 1'-0"



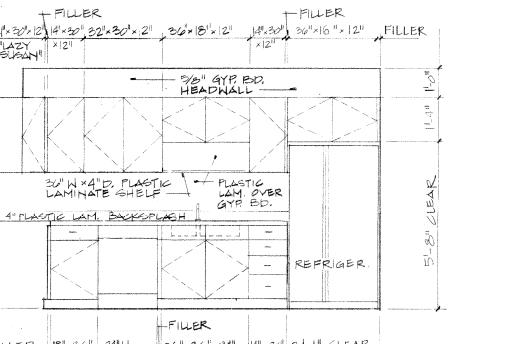
5 CERAMIC CURB SCALE: 3/4" = 1'-0"



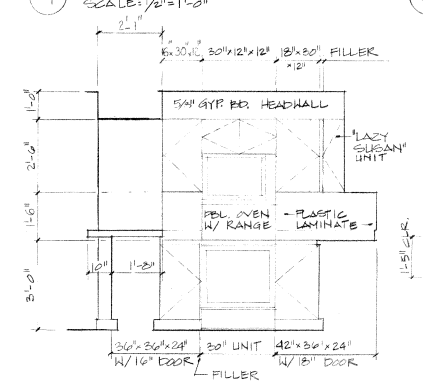
6 CERAMIC BASE SCALE: 3/4" = 1'-0"



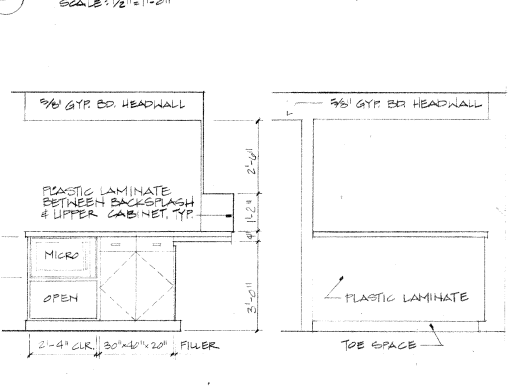
7 BATH, RM. 207, NORTH WALL SCALE: 1/2" = 1'-0"



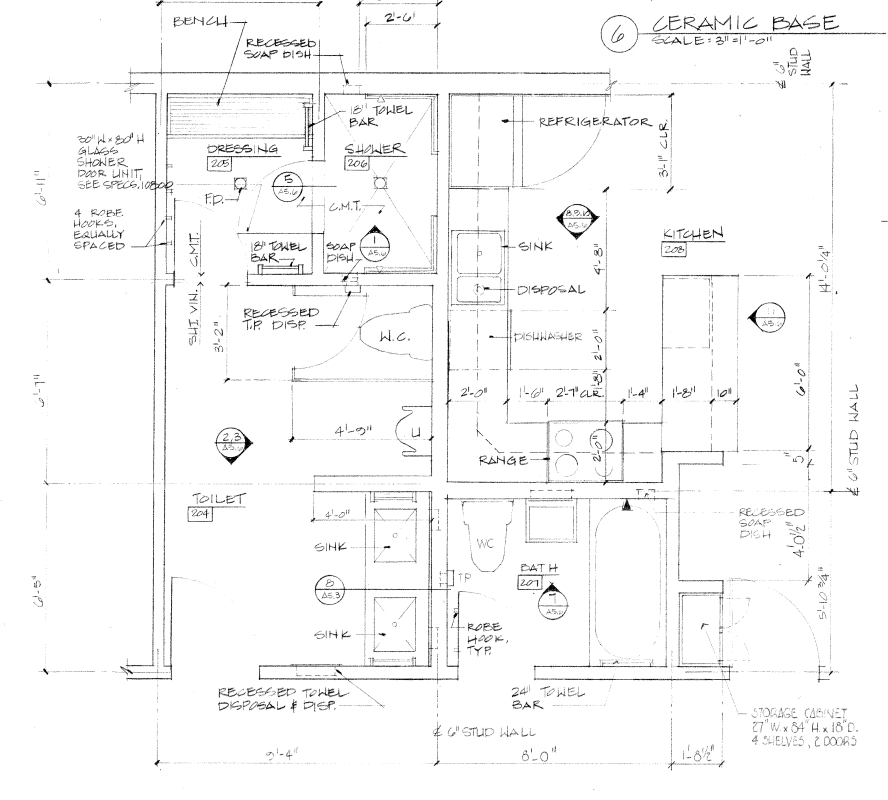
8 KITCHEN, ROOM 208, WEST WALL SCALE: 1/2" = 1'-0"



9 KITCHEN, RM. 208, SOUTH WALL SCALE: 1/2" = 1'-0"



10 KITCHEN, RM. 208, EAST WALL SCALE: 1/2" = 1'-0"



12 DETAIL PLAN @ ROOMS 204, 207, & 208 SCALE: 1/2" = 1'-0"

NO.	DATE	REVISIONS

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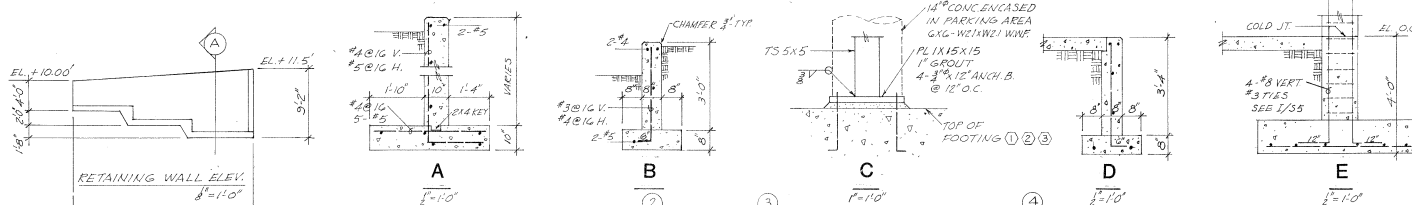
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SHEET TITLE
 ROOM ELEVATIONS AND DETAILS

DATE: JAN. 86
 DRAWN: PLE
 CHKD: PEN
 DWG. NO.

A5.6

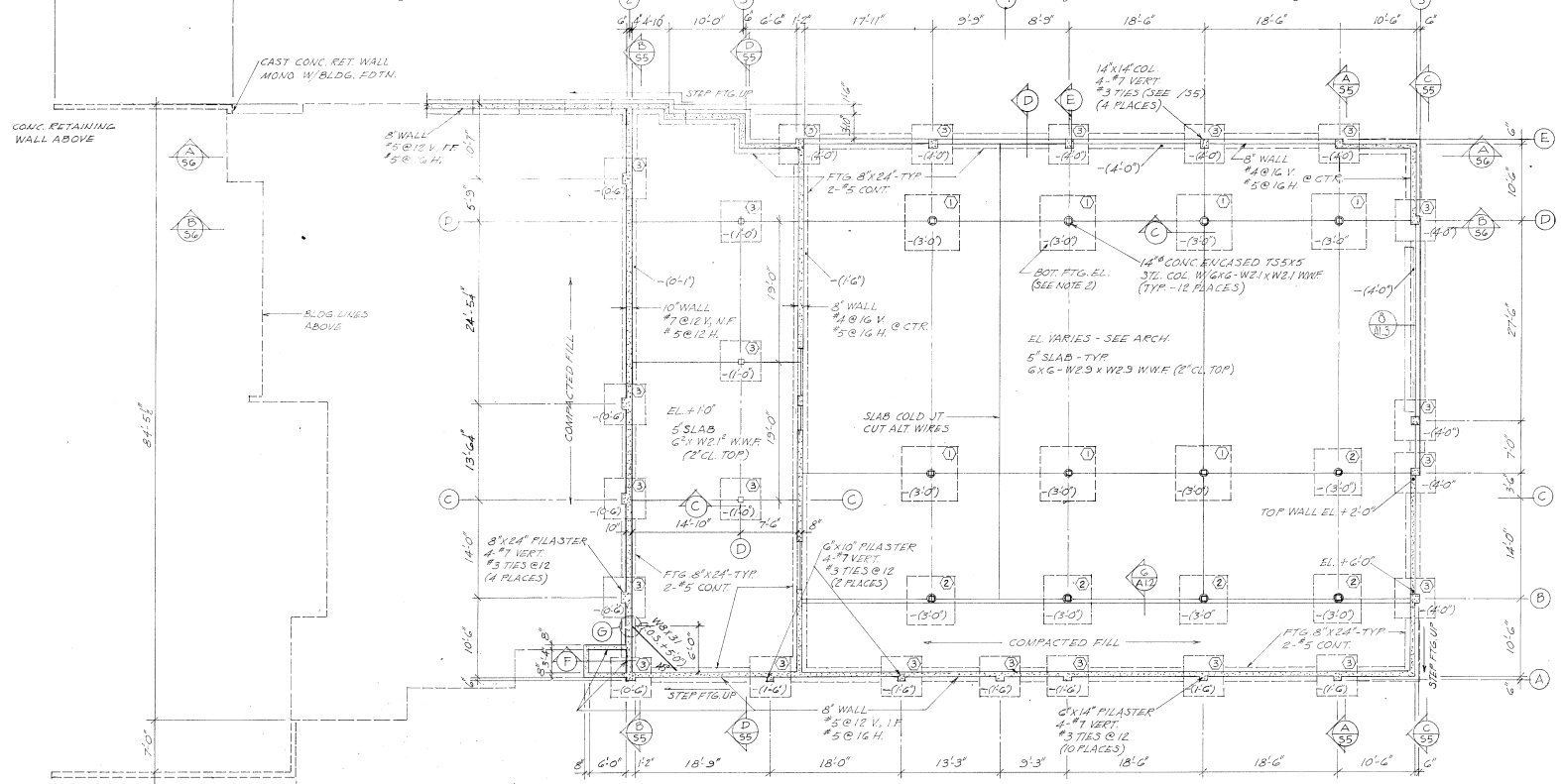


FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
①	7'-6" x 7'-6" x 18"	7-#6 E.W.
②	6'-6" x 6'-6" x 16"	8-#5 E.W.
③	5'-6" x 5'-6" x 13"	6-#5 E.W.

NO.	DATE	REVISIONS

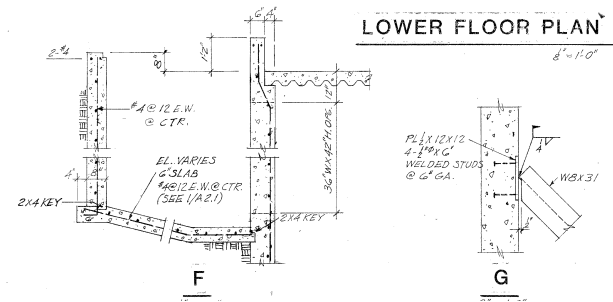


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- NOTES (SEE SB FOR GENERAL NOTES)
- DATUM EL. 0.00' (ASSUMED) = ACTUAL EL. 57.50'
 - ELEVATION REFERENCES ARE DISTANCES ABOVE OR BELOW DATUM TO BOT. OF FOOTINGS OR TOP OF CONCRETE SLABS, WALLS AND CURBS.
 - CHAMFER EXPOSED CORNERS OF COLS., BEAMS AND WALLS. SEE ARCH.

LOWER FLOOR PLAN



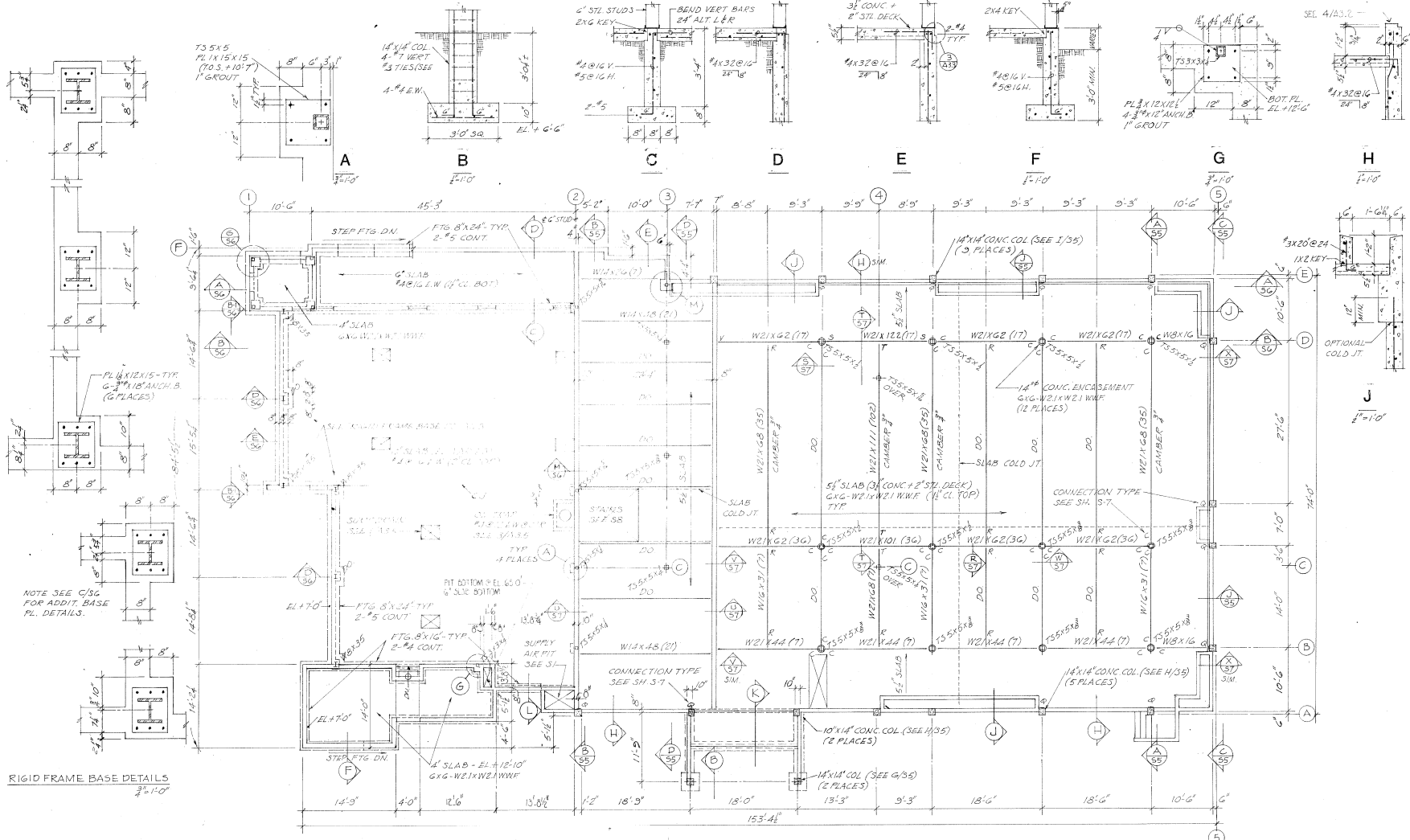
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SHEET TITLE
 LOWER FLOOR PLAN

DATE: 10/27
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 CHKD:
 DWG. NO.

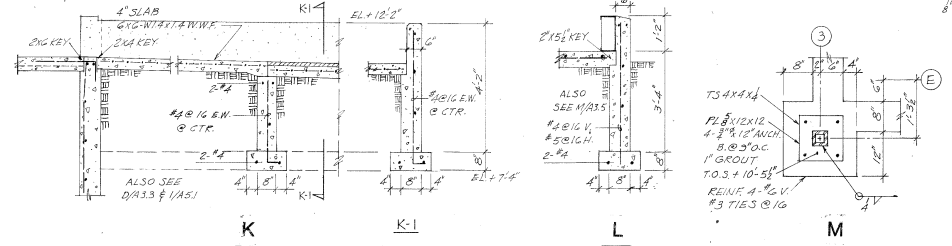
S1


25-01	TB-1	Bx1	Bx1	—
25-01	TB-1	Bx1	Bx1	—

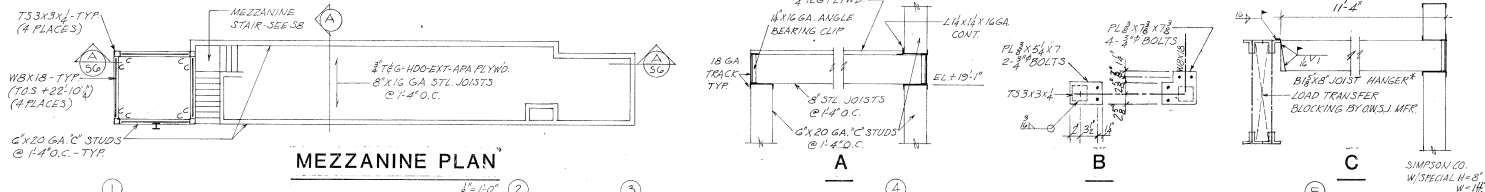


- NOTES:
1. DIMENSIONS ARE TO $\frac{1}{2}$ BEAMS, COLUMNS AND STL STUDS, AND FACE OF CONCRETE (POS).
 2. FLOOR SLAB OVER PARTIAL BAY: FOUR AREA NORTH OF COLD JOINT FIRST.
 3. STEEL FLOOR DECK TO BE 2'x18 GA, $I_p = 419 \text{ IN}^4$, $I_s = 397 \text{ IN}^4$, $(A) S_p = 487$, $(C) S_p = 386$
 $(C) S_p = 343$, MIN, GALV

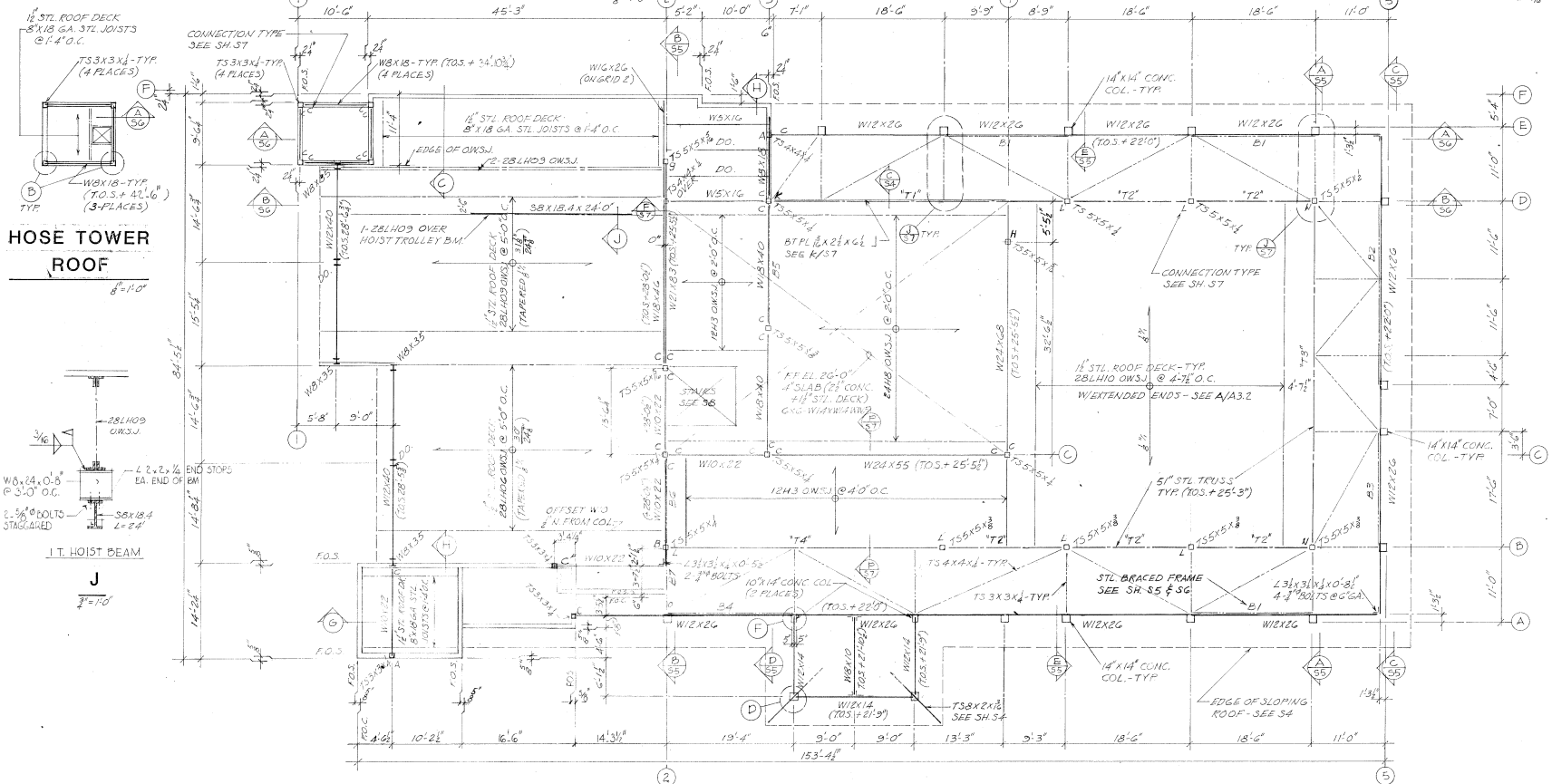
FIN. FL. EL. + 110.0', 21.0.0.
MAIN FLOOR PLAN
 1/8" = 1'-0"



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MAIN FLOOR PLAN	
DATE	11/15/21
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CHKD.	
DWG. NO.	
S2	



MEZZANINE PLAN

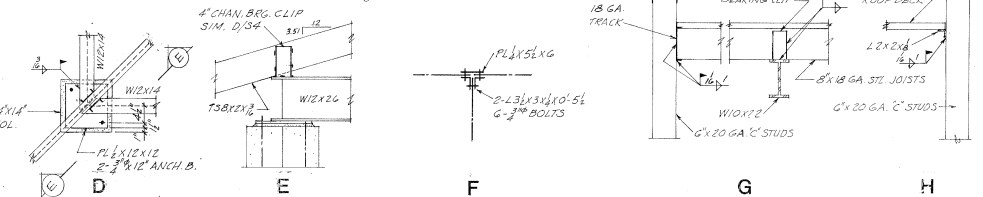


HOSE TOWER ROOF

I.T. HOIST BEAM

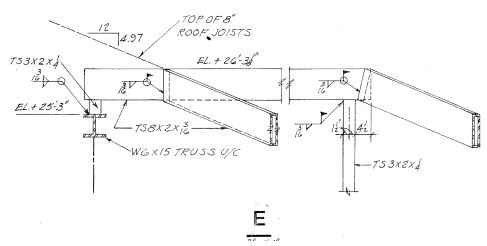
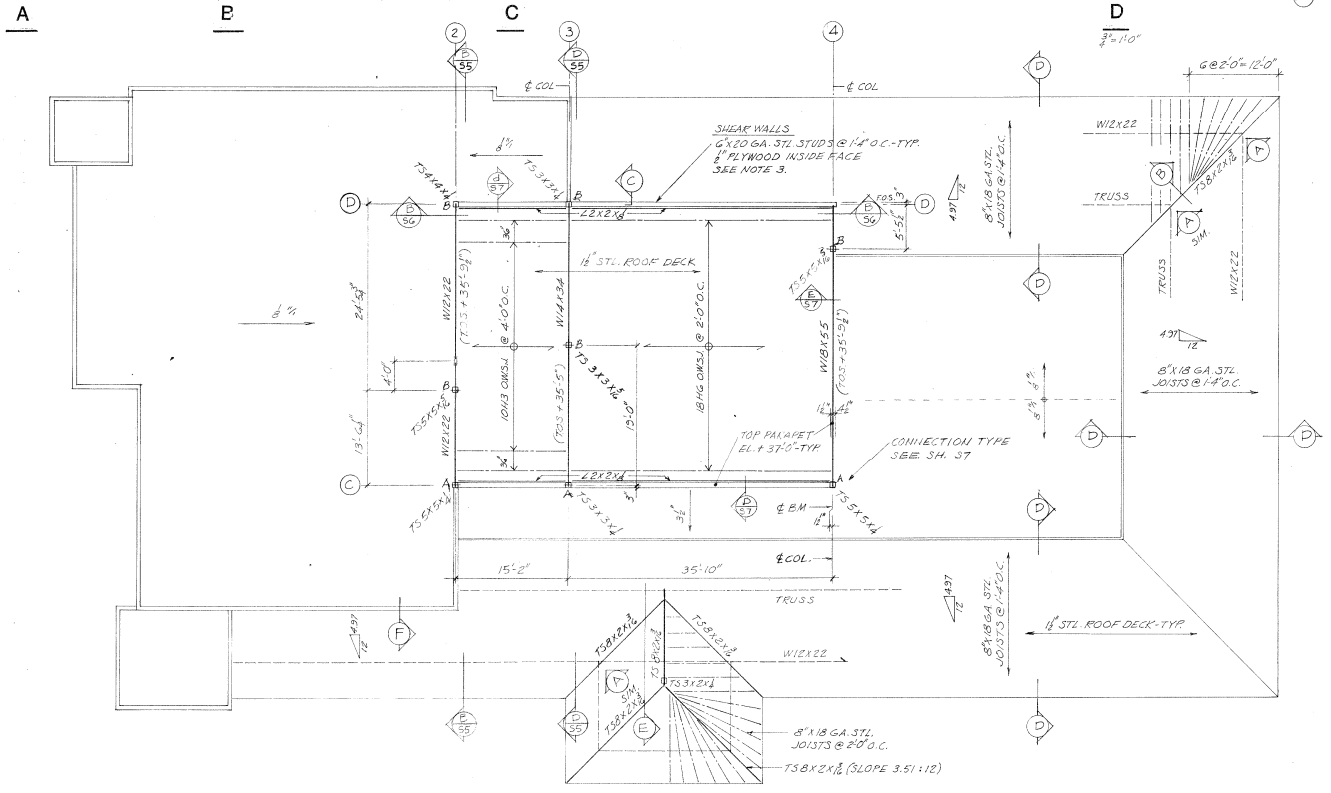
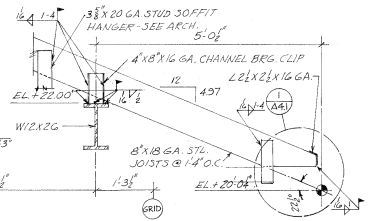
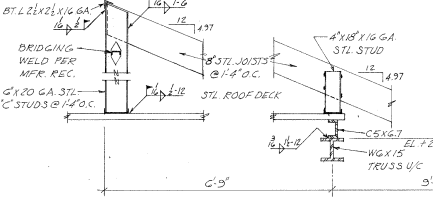
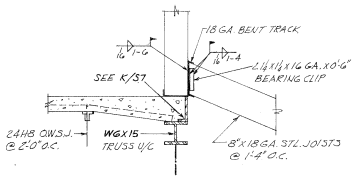
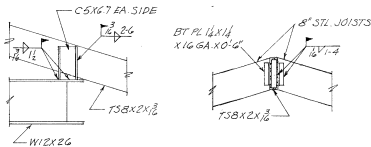
UPPER FLOOR/ROOF PLAN

- NOTES:**
1. DIMENSIONS ARE TO ϵ BEAMS AND COLS., AND FACE OF CONCRETE FDN., UNO.
 2. STEEL ROOF DECK TO BE 1/2" X 20 GA, I=23 IN⁴, S=27 IN³ MIN, GALV.
 3. STEEL FLOOR DECK TO BE 1/2" X 20 GA, I=23 IN⁴, S=27 IN³ MIN, GALV. W/LUGS OR EMBOSSEMENTS FOR COMPOSITE SLABS.
 4. STEEL ROOF JOISTS TO BE 8" X 18 GA, I=48 IN⁴, S=12 IN³ MIN.
 5. STEEL STUDS TO BE 6" X 20 GA "C" STUDS, I_x=174, S_x=58, I_y=2.09, MIN.
 6. MEZZANINE STL. JOISTS TO BE 8" X 18 GA, I=48 IN⁴, S=12 IN³ MIN.



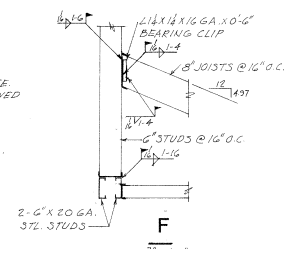
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UPPER FLOOR/ROOF PLAN	
DATE	5/2/97
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CHKD	
DWG. NO.	

S3



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

- NOTES:
 1. SEE SH. 53 FOR SECTION PROPERTIES OF STEEL STUDS, JOISTS AND 1/2" ROOF DECK.
 2. DIMENSIONS ARE TO C/B EAMS AND COLUMNS, UNLESS NOTED OTHERWISE.
 3. SHEAR WALLS AT GRIDS 2, 4, C, D TO BE 1'-0" EXT-APA PLYWOOD SCREWED TO 6" x 20 GA. C STUDS W/TYP. S16 BUGLEHEAD SCREENS, AS FOLLOWS:
 GRID C, 2'-4" O.C. EDGES, 12" O.C. INTERMEDIATE STUDS.
 GRID D, 4'-3" O.C. EDGES.
 ALL WALLS - 6" O.C. EDGES ABOVE AND BELOW WALL OPENINGS.



8501	TE-1	B5-4	1
8501	TB-1	B5-4	1

NO.	DATE	REVISIONS



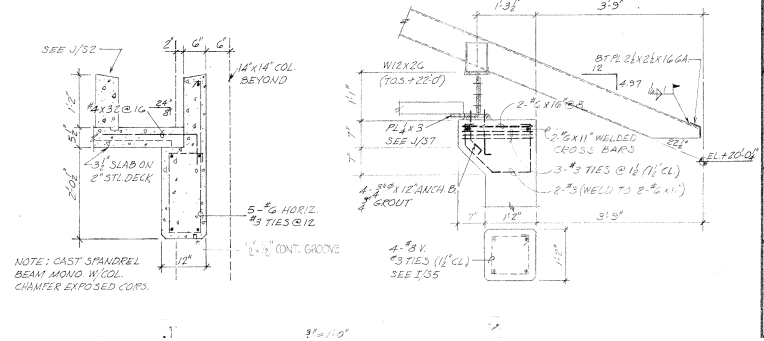
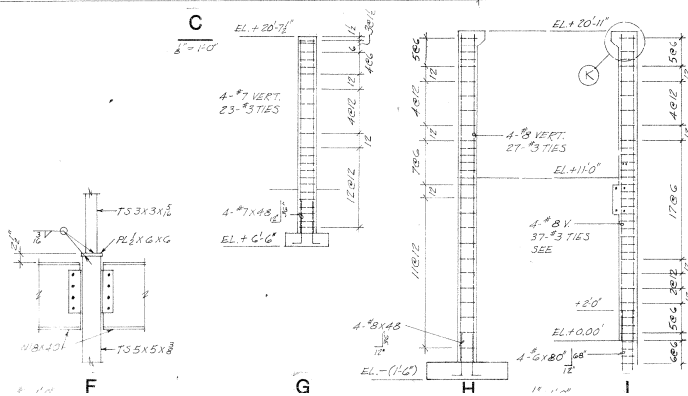
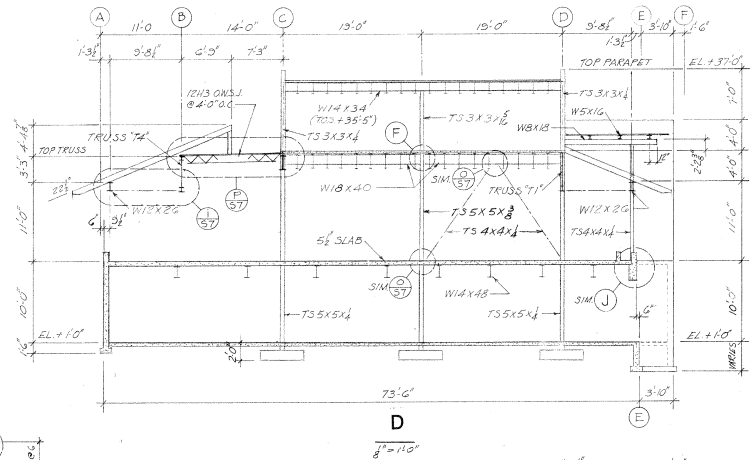
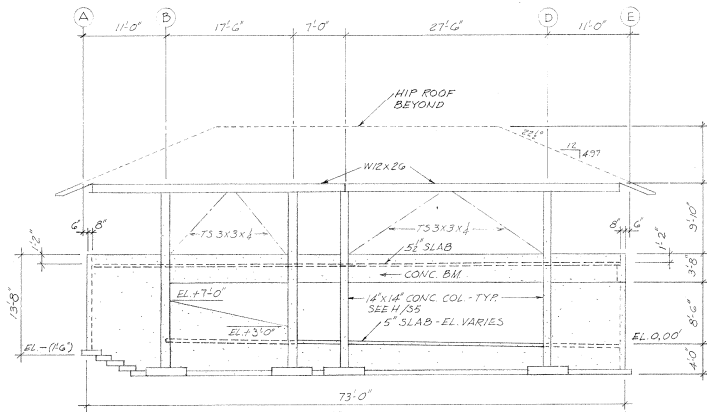
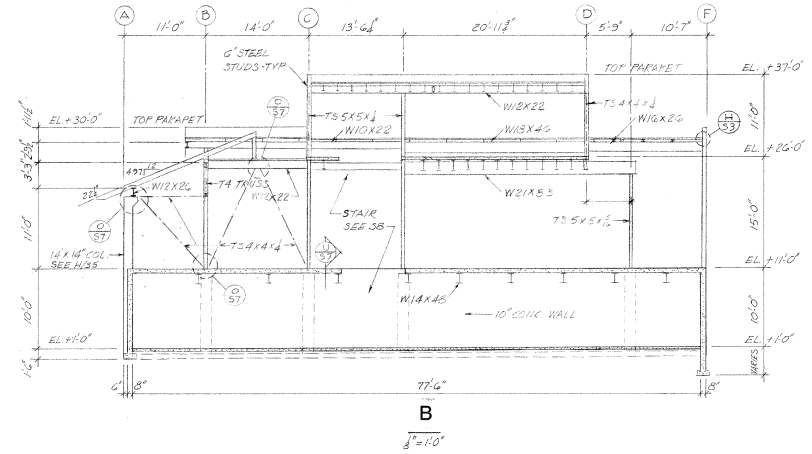
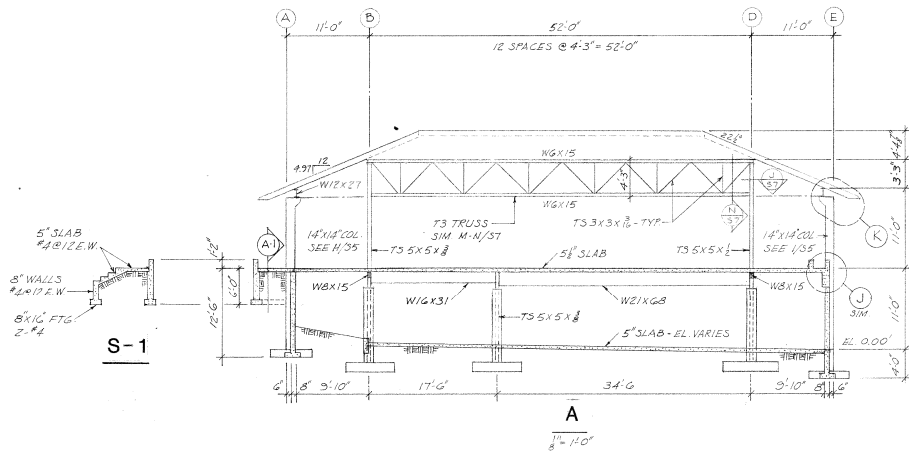
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 UPPER ROOF PLAN

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S4



NOTE: CAST SPANDREL BEAM AMONG W/COL CRAMPER EXPOSED CORN.

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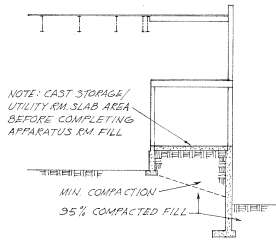
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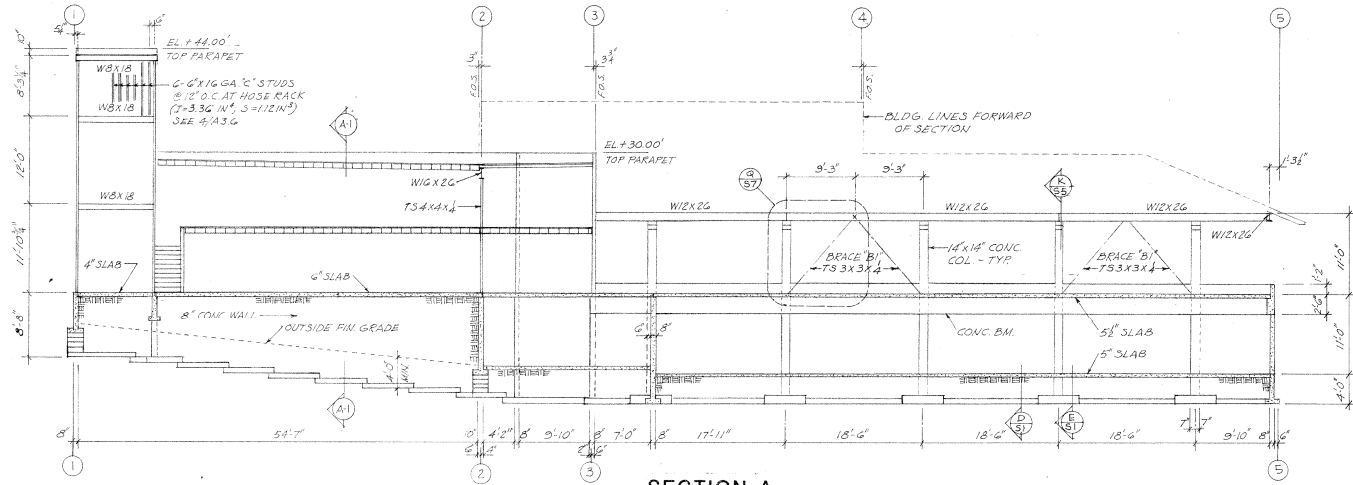
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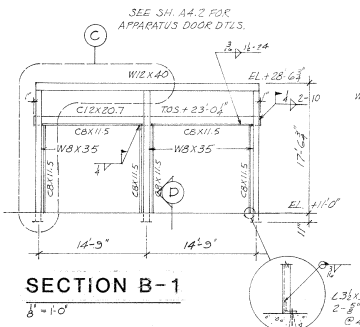
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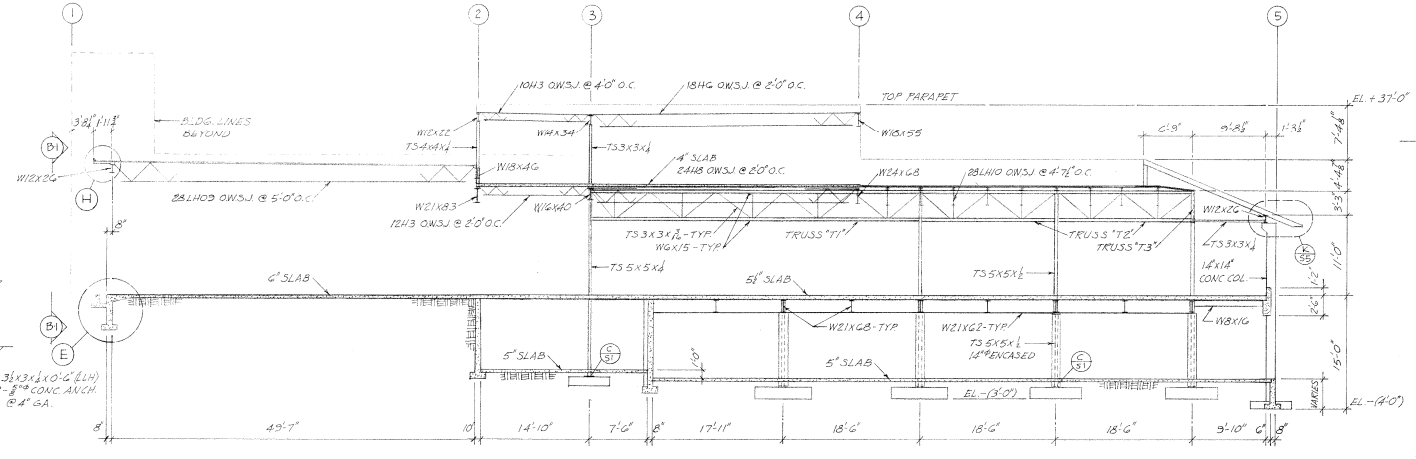
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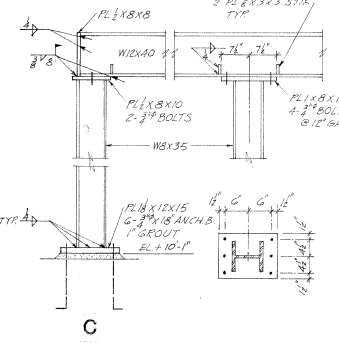
SECTION A
8'-10"



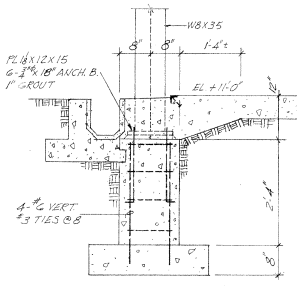
SECTION B-1
8'-10"



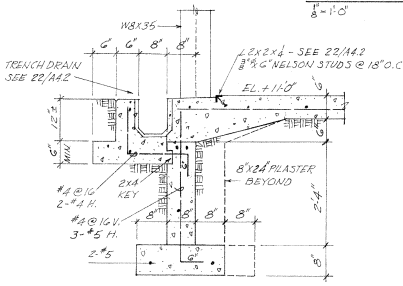
SECTION B
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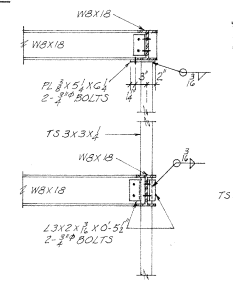
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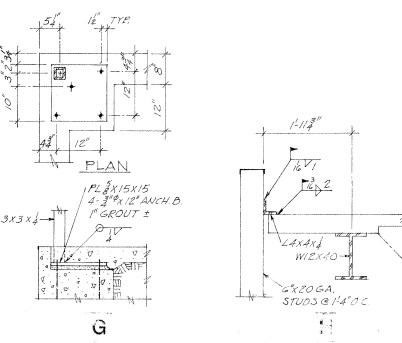
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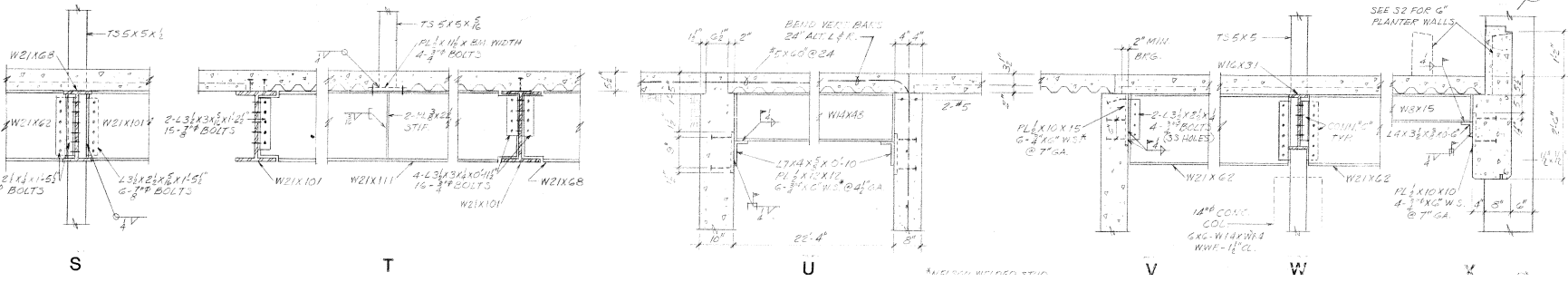
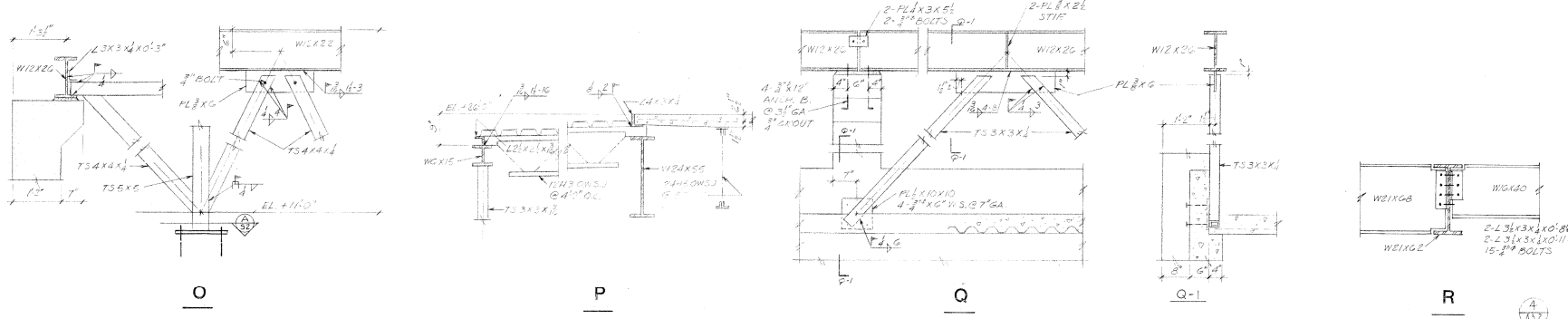
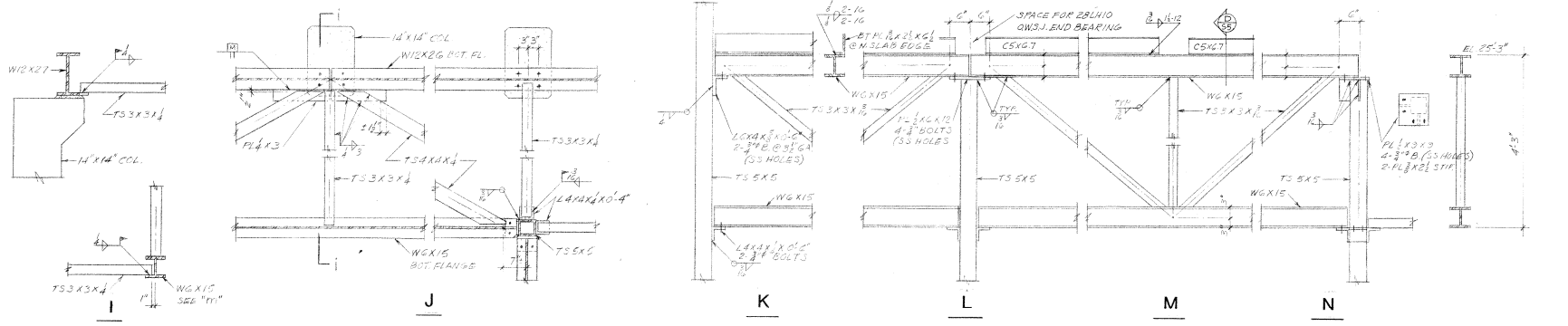
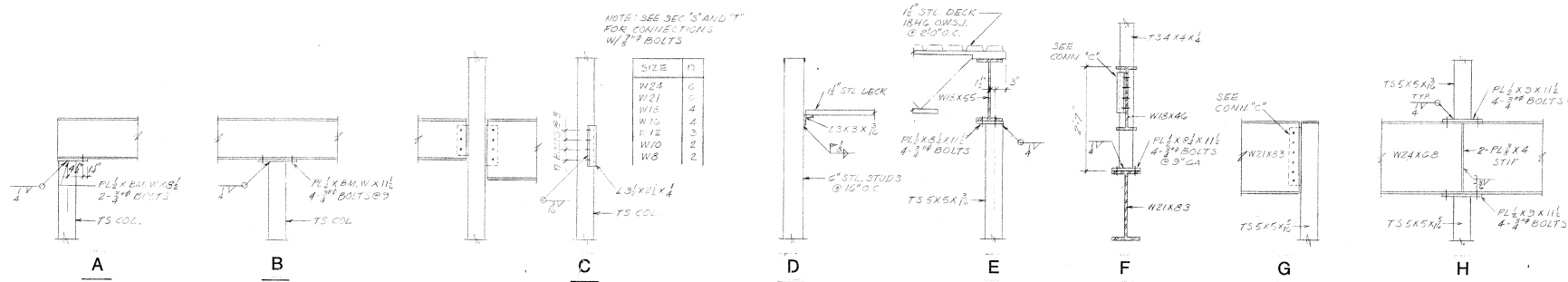


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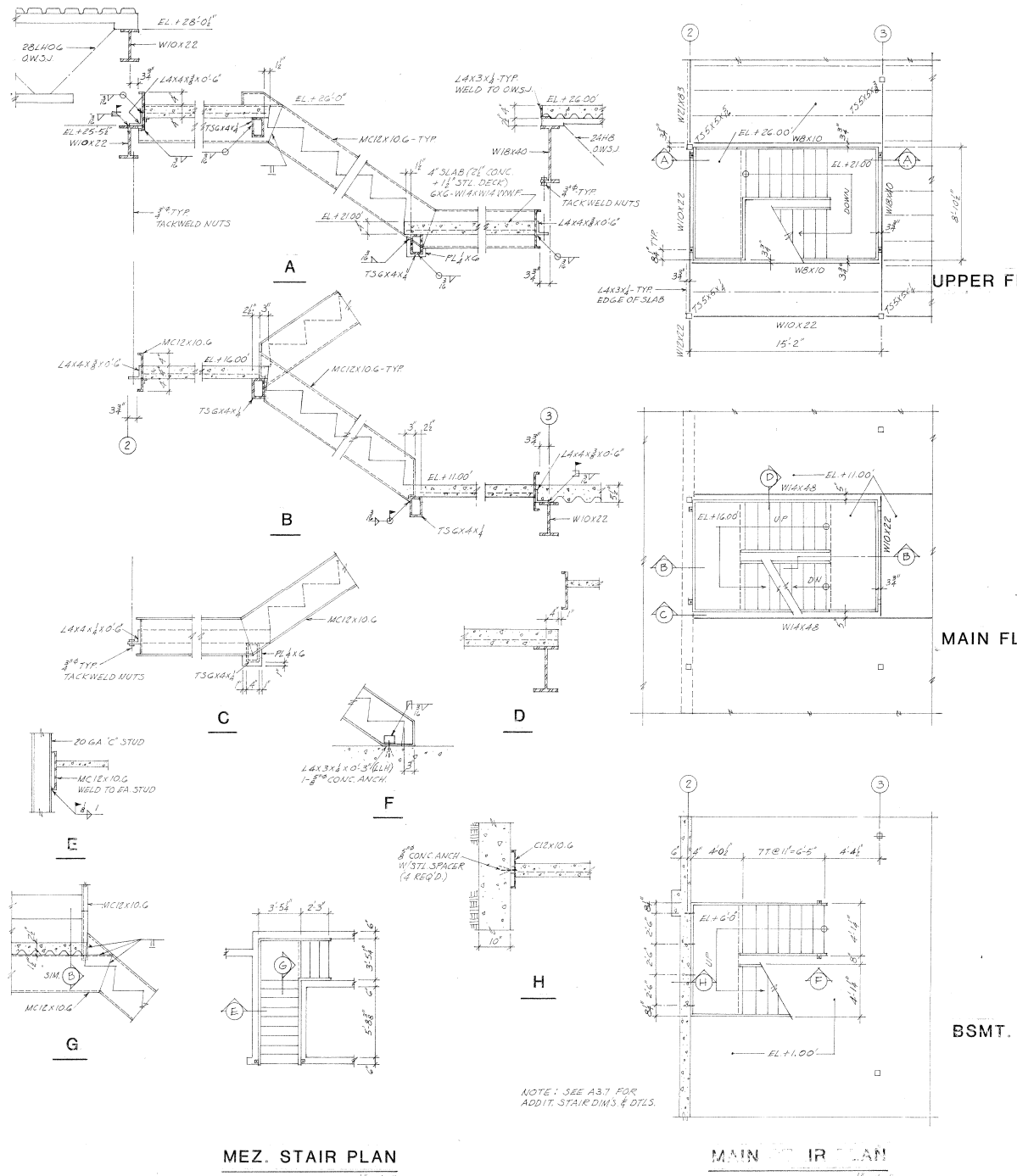
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SHEET TITLE	FRAMING DETAILS
DATE	3/1/85
DRAWN	RZL
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DWG. NO.	

S7

GENERAL NOTES

- LIVE LOADS**
- Roof: Apparatus Room: H20-S16
 - Library (Stack Room): 200 psf
 - Upper Floor (Living Quarters): 80 psf
 - Storage: 125 psf
 - Parking: 50 psf
 - Other: 100 psf
- Earthquake: Zone 3
Wind: 100 mph
- FOUNDATION**
- Safe Bearing Pressure: 3000 psf
- CONCRETE**
- Concrete Stress $f_c = 3000$ psi in 28 days except columns $f_c = 4000$ psi.
 - Reinforcing Steel ASTM A615: Grade 40 #5 and smaller
 - Grade 60 #6 and larger
 - Welded Wire Fabric A311 A165, size as noted on the drawings.
 - Reinforcing Steel to have clear embedment in concrete, as follows, unless detailed otherwise:
 - Footings: 3"
 - Wall (against earth): 2"
 - Wall (exposed to weather): 1 1/2"
 - Wall (inside face): 1"
 - Slab on steel deck (from top): 1"
 - Slab on Grade (from top): 2"
 - Maximum Aggregate Size: 1 1/2" for footings; 1" for walls; 3/4" for slabs.
 - Use all reinforcing 30 diameter, unless detailed otherwise.
 - Install 48" long elbow bars at wall corners and intersections, same size and spacing as horizontal reinforcing.
 - All structural steel shapes and plates to ASTM A36, and tubing ASTM A500-44
 - Bolts to be ASTM A325 Friction Type connections.
 - Welding electrodes shall comply with ASTM A233 E70.
- STEEL**
- AISC "Code of Standard Practice for Steel Buildings and Bridges" shall apply.
- OPEN-WEB STEEL JOISTS**
- Open-Web-Steel-Joists (O.W.S.J.) shall be designed, manufactured and erected in accordance with the Standard Specifications of the Steel Joist Institute.
- STEEL FLOOR DECK**
- Steel Floor Deck shall be galvanized, gage, depth and properties as shown on the drawings.
 - Weld to each bearing and perimeter at 12" o.c. with 3/4" puddle welds through welding washers. Weld side laps at 36" o.c. with 1 1/2" long seam welds.
- STEEL ROOF DECK**
- Steel Roof Deck shall be galvanized, gage depth and properties as shown on the drawings.
 - Weld to each bearing and perimeter at 12" o.c. with 3/4" puddle welds through welding washers. Weld side laps at 24" o.c. with 1 1/2" long seam welds.



MEZ. STAIR PLAN

MAIN FLOOR PLAN

NO.	DATE	REVISIONS

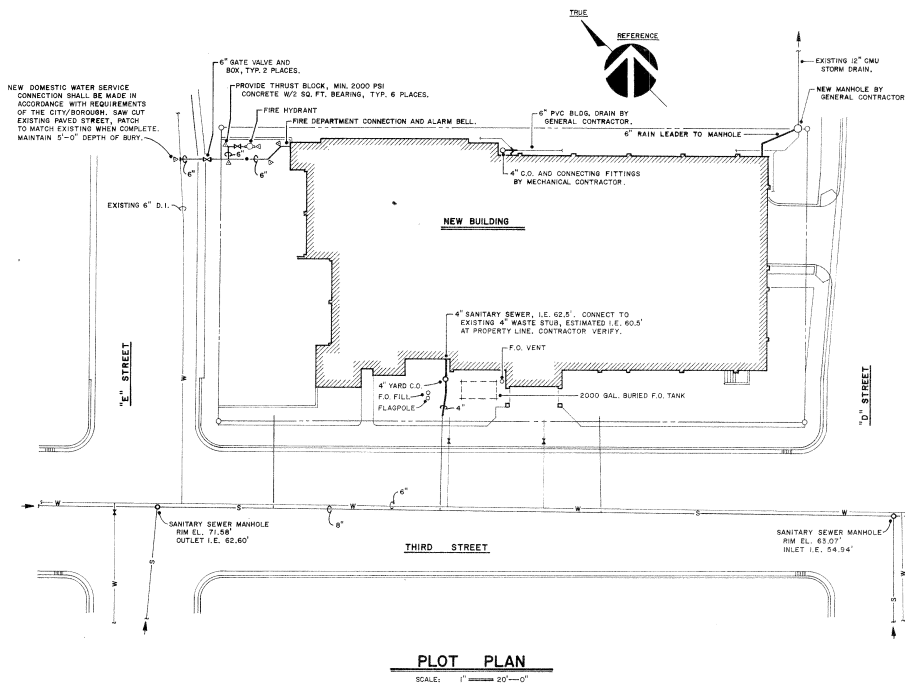
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SHEET TITLE
STAIR ELEVATIONS
FINISH DETAILS

DATE: 11-11-10
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EQUIPMENT SCHEDULE, cont.

- Domestic Water Heater - 10 gallon glass-lined storage capacity, 1/2" x 208 volt 3-phase 60 cycle electric heater (25 GPH recovery at 100°F rise in temperature), built in accordance with and stamped by ASME, cathodically protected with extruded magnesium anode, enclosed with insulated and painted (baked enamel) metal shell, hinged access to control cabinet housing operating controls and fusing, operating and high temperature limit control with manual reset, ASME temperature and pressure relief valve, and drain valve. A.O. Smith DSE-10.
- Domestic Water Heater - 100 gallon glass-lined storage capacity, 1/2" x 208 volt 3-phase 60 cycle electric heater (61 GPH recovery at 100°F rise in temperature), built in accordance with and stamped by ASME, cathodically protected with extruded magnesium anode, enclosed with insulated and painted (baked enamel) metal shell, hinged access to control cabinet housing operating controls and fusing, operating and high temperature limit control with manual reset, ASME temperature and pressure relief valve, and drain valve. A.O. Smith DSE-100.
- Ceiling Exhaust Fan - capacity 300 CFM at 0.30" SP, integral backdraft damper, coil spring vibration isolators, ceiling inlet grille w/85% free area, top outlet, and 1/10 HP 1050 RPM motor. Pace DD-450GV with Style "EC" inlet grille and MC-350 wall cap.
- Ceiling Exhaust Fan - same as item 13 except capacity shall be 130 CFM at 0.30" SP and motor shall be 1/50 HP 1050 RPM. Pace DD-350GV with Style "EC" inlet grille and MC-350 wall cap.
- Ceiling Exhaust Fan - same as item 13 except capacity shall be 100 CFM at 0.30" SP, side outlet, and motor shall be 1/50 HP 1050 RPM. Pace DD-250GV with Style "EC" inlet grille.
- Ceiling Exhaust Fan - same as item 13 except capacity shall be 100 CFM at 0.20" SP, side outlet, and motor shall be 1/50 HP 1050 RPM. Pace DD-100GV with Style "EC" inlet grille and MC-100 wall cap.
- Ceiling Exhaust Fan - same as item 13 except capacity shall be 150 CFM at 0.20" SP and motor shall be 1/50 HP 1050 RPM. Pace DD-150GV with Style "EC" inlet grille and MC-100 wall cap.
- Ceiling Exhaust Fan - same as item 13 except capacity shall be 240 CFM at 0.20" SP and motor shall be 1/50 HP 1050 RPM. Pace DD-250GV with Style "EC" inlet grille.
- Ceiling Exhaust Fan - same as item 13 except capacity shall be 100 CFM at 0.20" SP and motor shall be 1/50 HP 1050 RPM. Pace DD-100GV with Style "EC" inlet grille.
- Roof Exhaust Fan - curb-mounted belt-driven centrifugal exhaust fan with air lock backdraft inclined fan blades, capacity 2800 CFM at 0.75" SP, approximate fan speed 1165 RPM, coil spring vibration isolators, integral backdraft damper, and insulated 12" high roof curb. Motor shall be single speed 1/2 HP suitable for use with 208 volt 3-phase 60 cycle electric service. Drive shall be adjustable. Pace Skycap Model CSE-18 AF with insulated 12" high roof curb.
- Stationary Air Compressor - rated capacity 10.0 SCFM at 175 PSIG, cast-iron mounted compressor with fan-bladed flywheel, 200 PSIG 4.0 cubic foot ASME horizontal tank receiver, safety relief valve, receiver shutoff valve, tank drain, centrifugal unloader, air filter, silencer, totally enclosed V-belt drive, start-stop pressure control rated for handling standard magnetic starter, and 3 HP 208 volt 3-phase 60 cycle electric motor. Campbell Hausfeld Model TR50021M.

LEGEND

SYMBOL	DESCRIPTION
	SEWER MAIN
	DOMESTIC WATER MAIN
	STORM DRAIN
	DOMESTIC COLD WATER, CWK
	DOMESTIC HOT WATER, DWH
	HEATING WATER SUPPLY
	HEATING WATER RETURN
	RAIN LEADER
	WASTE PIPING CONNECTION
	VENT PIPING CONNECTION
	PIPE CAP
	FIRE PIPE
	FIRE UP
	PIPE THROUGH PARTITION, FLOOR, ETC.
	GATE VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
	ZONE VALVE
	HOSE BIBB
	ROLLER DRAIN
	UNION
	FLEXIBLE PIPING CONNECTION
	CLEANOUT
	WALL CLEANOUT
	FLOOR CLEANOUT
	VENT THROUGH ROOF, V.T.R.
	AUTOMATIC AIR VENT, A.A.V.
	THERMOSTAT

EQUIPMENT SCHEDULE, cont.

- Overhead Air Hose and Reel - ceiling mount style which includes 25' L.F. of 3/8" I.D. air hose with quick disconnect and air chuck, reel, enclosure panels, and mounting channel. Balcock Model 2795-50 with Model 43317 end panels and Model 43321 mounting channel.
- High Pressure Respiratory Air Charging Station - shall be a complete and operable system consisting of an air compressor, carbon monoxide (CO) monitor and alarm, purification system, cascade-mounted receiver reservoirs, a filling station for 4.5 cubic foot MSA Breathing apparatus cylinders, and a fill tank. The compressor system shall be capable of delivering 9.0 SCFM of air at 5000 PSIG with a panel and controls for fully automatic operation, output pressure limit adjustable from 2000 to 5000 PSIG, a purification system with monitor, automatic condensate drain, and high carbon monoxide (CO) monitor/alarm with automatic shutdown. The electric motor shall be 1/2 HP, 208 volt, 3-phase, 60 cycle. Four 490 cubic foot (at 5000 PSIG) ASME receiver reservoirs shall be provided with flexible high pressure tubing receiver connections for cascade mounting (receiver reservoirs in the horizontal position) complete with shut-off valves, tank gauges, relief valves, and drains. An air distribution control panel shall be included for full convenient control of the cascade storage and filling operations (working pressure 5000 PSIG). A double tank galvanized steel water filled deflection fill tank shall be included to allow filling of bottles while eliminating the possibility of ruptures. Techair Model SA-9E compressor system, Model CAG126A CO monitor/alarm, Model S150-4-S cascade storage, Model CFS P101 air distribution control panel, and Model SF 375 fill tank. (Additive Alternates).
- Heating and Ventilating Unit - complete horizontal draw-through unit consisting of a fan section complete with fan, electric motor, and drive mounted on a common spring-isolated base (horizontal discharge), heating coil section, fan filter and mixing box, automatic opposed blade return air (top) damper, and automatic opposed blade low leakage outside air (back) damper. The cabinet shall be provided with side access and internal fiberglass insulation throughout. Unit capacity shall be 1000 CFM at 1.25" SP, approximate fan speed 1450 RPM. Heating coil capacity shall be adequate to heat 55°F air to 120°F with 200°F EWT (20°F drop). Filter section shall be equipped with standard 2" disposable type filters. Motor shall be single speed 3/4 HP suitable for use with 208 volt 3-phase 60 cycle electric service, and shall be complete with 3-position Hand-Off-Auto switch and magnetic starter (120 volt). Drive sheave shall be adjustable. Pace A-12F-S1.
- Heating and Ventilating Unit - complete horizontal draw-through unit consisting of a fan section complete with fan, electric motor, and drive mounted on a common spring-isolated base (horizontal discharge), heating coil section, fan filter and mixing box, automatic opposed blade return air (top) damper, and automatic opposed blade low leakage outside air (back) damper. The cabinet shall be provided with side access and internal fiberglass insulation throughout. Unit capacity shall be 4000 CFM at 1.50" SP, approximate fan speed 1010 RPM. Heating coil capacity shall be adequate to heat 55°F air to 120°F with 200°F EWT (20°F drop). Filter section shall be equipped with standard 2" disposable type filters. Motor shall be single speed 3 HP suitable for use with 208 volt 3-phase 60 cycle electric service, and shall be complete with 3-position Hand-Off-Auto switch and magnetic starter (120 volt). Drive sheave shall be adjustable. Pace A-12F-S1.
- Cabinet Unit Heater - floor-mounted vertical model with top outlet, rated capacity 11,700 BTU at 60°F EAT (600 CFM) and 200°F EAT (20°F drop), 3-speed fan with unit-mounted switch, 1" cleanable foam media filter, insulated 14 gauge steel front panel, and baked enamel decorator color. Color selection by Architect. Airtherm Model IFC60-2.
- Heating Coil - vertical coil for water, approximately 15" w. x 12" h., capacity adequate to heat 500 CFM from 55°F to 120°F with 200°F EWT (20°F drop).
- Heating Coil - same as 16 except coil size shall be approximately 24" w. x 24" h., and airflow shall be 1500 CFM.
- Heating Coil - same as 16 except coil size shall be approximately 24" w. x 24" h., and airflow shall be 2050 CFM.
- Heating Coil - same as 16 except coil size shall be approximately 28" w. x 24" h., and airflow shall be 1800 CFM.

LEGEND

SYMBOL	DESCRIPTION
	DUCTWORK
	FLEXIBLE CONNECTION
	NOMINAL SIZE, INCHES
	ACOUSTICAL INSULATION
	FIRE DAMPER
	ELBOW WITH AIRFOIL TURN VANES
	BRANCH DUCT TAKE-OFF
	VOLUME DAMPER WITH LOCKING QUADRANT
	FLEXIBLE DUCT

EQUIPMENT SCHEDULE

- Boiler - shall be cast iron sectional wet base design with a net IBR capacity of 1,419,100 BTU on light oil at sea level with water. Includes as standard equipment an insulated flush jacket, ASME relief valve (50 PSIG), combination high limit/low limit operating control, combination pressure and temperature gauge, built-in air eliminator, and flame retention burner. Optional equipment shall include a separate high temperature limit control and low water cut-off. Weil Mclain Model ABC-785-WF.
- ASME Compression Tank - 175 gallon capacity, approximately 30" diameter x 60" long with 1" lappings for gauge glass.
- Air Tank Fitting - sized for 30" diameter tank. Bell and Gossett AF1F.
- Pressure Reducing Valve - all working parts brass with built-in strainer, brass body, field adjustable range 8-25 PSIG, set at 25 PSIG. Bell and Gossett 97-3/4"
- Backflow Preventer - shall be equal to Watts 9095-3/4".
- Fintube Radiation - capacity 850 BTU/H/F with 65°F EAT and 190°F RW, heavy gauge primed steel enclosure with adjustable damper, 3/4" copper element with 2 3/8" x 3" x 0.012" aluminum fins spaced approximately 54 per foot, and appropriate accessory items as necessary for finished installation. Weil Mclain "High Trim Baseboard", Model 75H.
- Commercial Grade Fintube Radiation - 12" flat top with linear extruded aluminum outlet grille, 16 gauge colored (baked enamel) steel enclosure with backplate, hanger brackets, element support and cradle brackets, end enclosures, 1" copper element with 41" x 41" aluminum fins spaced 62 per foot, rated 1260 BTU/H/F minimum at 45° EAT and 190°F RW. Color selection by architect. Airtherm Model 12FA.
- Heating and Ventilating Unit - complete horizontal draw-through unit consisting of a fan section complete with fan, electric motor, and drive mounted on a common spring-isolated base (horizontal discharge), heating coil section, fan filter and mixing box, automatic opposed blade return air (top) damper, and automatic opposed blade low leakage outside air (back) damper. The cabinet shall be provided with side access and internal fiberglass insulation throughout. Unit capacity shall be 2900 CFM at 1.25" SP, approximate fan speed 1200 RPM. Heating coil capacity shall be adequate to heat 55°F air to 120°F with 200°F EWT (20°F drop). Filter section shall be equipped with standard 2" disposable type filters. Motor shall be single speed 2 HP suitable for use with 208 volt 3-phase 60 cycle electric service, and shall be complete with 3-position Hand-Off-Auto switch and magnetic starter (120 volt). Drive sheave shall be adjustable. Pace A-12F-S1.

EQUIPMENT SCHEDULE, cont.

- Heating and Ventilating Unit - complete horizontal draw-through unit consisting of a fan section complete with fan, electric motor, and drive mounted on a common spring-isolated base (horizontal discharge), heating coil section, fan filter and mixing box, automatic opposed blade return air (top) damper, and automatic opposed blade low leakage outside air (back) damper. The cabinet shall be provided with side access and internal fiberglass insulation throughout. Unit capacity shall be 1000 CFM at 1.25" SP, approximate fan speed 1450 RPM. Heating coil capacity shall be adequate to heat 55°F air to 120°F with 200°F EWT (20°F drop). Filter section shall be equipped with standard 2" disposable type filters. Motor shall be single speed 3/4 HP suitable for use with 208 volt 3-phase 60 cycle electric service, and shall be complete with 3-position Hand-Off-Auto switch and magnetic starter (120 volt). Drive sheave shall be adjustable. Pace A-12F-S1.
- Heating and Ventilating Unit - complete horizontal draw-through unit consisting of a fan section complete with fan, electric motor, and drive mounted on a common spring-isolated base (horizontal discharge), heating coil section, fan filter and mixing box, automatic opposed blade return air (top) damper, and automatic opposed blade low leakage outside air (back) damper. The cabinet shall be provided with side access and internal fiberglass insulation throughout. Unit capacity shall be 4000 CFM at 1.50" SP, approximate fan speed 1010 RPM. Heating coil capacity shall be adequate to heat 55°F air to 120°F with 200°F EWT (20°F drop). Filter section shall be equipped with standard 2" disposable type filters. Motor shall be single speed 3 HP suitable for use with 208 volt 3-phase 60 cycle electric service, and shall be complete with 3-position Hand-Off-Auto switch and magnetic starter (120 volt). Drive sheave shall be adjustable. Pace A-12F-S1.
- Cabinet Unit Heater - floor-mounted vertical model with top outlet, rated capacity 11,700 BTU at 60°F EAT (600 CFM) and 200°F EAT (20°F drop), 3-speed fan with unit-mounted switch, 1" cleanable foam media filter, insulated 14 gauge steel front panel, and baked enamel decorator color. Color selection by Architect. Airtherm Model IFC60-2.
- Heating Coil - vertical coil for water, approximately 15" w. x 12" h., capacity adequate to heat 500 CFM from 55°F to 120°F with 200°F EWT (20°F drop).
- Heating Coil - same as 16 except coil size shall be approximately 24" w. x 24" h., and airflow shall be 1500 CFM.
- Heating Coil - same as 16 except coil size shall be approximately 24" w. x 24" h., and airflow shall be 2050 CFM.
- Heating Coil - same as 16 except coil size shall be approximately 28" w. x 24" h., and airflow shall be 1800 CFM.

REVISIONS

NO. DATE

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Douglas Fire Station and Library

Douglas, Alaska

CITY AND BOROUGH OF JUNEAU ALASKA

MRF NO. 8501

SHEET TITLE

PLOT PLAN AND SCHEDULES

DATE JANUARY 1986

DRAWN A. HANGER

CHKD.

DWG. NO.

CONTROL SEQUENCE

1. **Circulating Pumps** - circulating pumps (P-1), (P-2), (P-3), and (P-4) shall operate continuously for outdoor temperatures below 65°F (adjustable). Circulating pump (P-6) shall operate continually.
2. **Convectors** - self-contained radiator valve with remote sensing bulb located below the heating coil shall open on call for heat. Temperature setting for the vestibule shall be 55°F, all other areas shall be set at 70°F.
3. **Boiler** - provide outdoor reset for boiler water temperature control such that the boiler water supply is varied from 200°F at -15°F outdoor air temperature to 120°F at 65°F outdoor air temperature. Provide an additional control to prevent the boiler water temperature from falling below 120°F (adjustable) and utilize the boiler supplied operating aquastat to prevent the boiler water temperature from exceeding 200°F (adjustable).
4. **Flintube Radiation** - respective zone thermostat opens zone valve on call for heat.
5. **Commercial Grade Flintube Radiation** - respective zone thermostat opens zone valve on call for heat. The thermostat used for controlling the heating coil radiation can also be used to control the duct heating coil serving the same portion of the room.
6. **Heating and Ventilating Unit** - include 7-day time clock with 12-hour battery-powered reserve to provide continuous fan operation and outside air (through mixed-air temperature control) during the "day" cycle, and intermittent fan operation with the outside air damper in the closed position during the "night" cycle. The mixed air temperature control shall position the outside and return air dampers to provide 55°F (adjustable) mixed air temperature to the unit. A freeze-stat located downstream of the heating coil will stop unit operation when the supply air temperature falls below 40°F (adjustable, manual reset). At outdoor temperatures below 35°F, the room thermostat shall position the face and bypass dampers to maintain thermostat set point. At outdoor temperatures above 35°F, the same thermostat shall position the dampers and a heating control valve to maintain thermostat set point. During the "night" cycle, the face damper and the heating control valve shall be in the full open (full heat) position and a separate "night" thermostat shall be used to provide intermittent fan operation to maintain the thermostat set point. The heating set point of the "night" thermostat shall be 10°F (adjustable) lower than that of the "day" thermostat. The outside air damper shall close when the unit is not operating.

The heating and ventilating unit shall be interlocked with Roof Exhaust Fan such that both operate simultaneously in either "day" or "night" cycle) with 100 percent outside air being provided to the heating and ventilating unit.

Provide a ionization type smoke detector in both the supply and return air duct streams to automatically shut down (manual reset) the heating and ventilating unit when excessive smoke is detected. Provide a key-operated test switch for each detector.

CONTROL SEQUENCE, cont.

7. **Heating and Ventilating Unit** - include a single manual 6-hour timer switch in the Meeting Room to provide continuous fan operation and outside air (through mixed-air temperature control) during room use as desired. The mixed air temperature control shall position the outside and return air dampers to provide 55°F (adjustable) mixed air temperature to the unit. A freeze-stat located downstream of the heating coil will stop unit operation when the supply air temperature falls below 40°F (adjustable, manual reset). A discharge air control shall modulate the heating control valve to provide 65°F (adjustable) supply air temperature. The outside air damper shall close and the heating control valve shall be in the full heat position when the unit is not operating.
 8. **Heating and Ventilating Unit** - include 7-day time clock to provide continuous fan operation and outside air (through mixed-air temperature control) during the "day" cycle, and intermittent fan operation with the outside air damper in the closed position during the "night" cycle. The mixed air temperature control shall position the outside and return air dampers to provide 55°F (adjustable) mixed air temperature to the unit. A freeze-stat located downstream of the heating coil will stop unit operation when the supply air temperature falls below 40°F (adjustable, manual reset). A discharge air control shall modulate the heating control valve to provide 65°F (adjustable) supply air temperature. During the "night" cycle, the heating control valve shall be in the full heat position and a separate "night" thermostat shall be used to provide intermittent fan operation to maintain the thermostat set point. The heating set point of the "night" thermostat shall be 10°F (adjustable) lower than that of the "day" thermostat. The outside air damper shall close when the unit is not operating.
- Provide a ionization type smoke detector in both the supply and return air (prior to exhausting from building) duct streams to automatically shut down (manual reset) the heating and ventilating unit when excessive smoke is detected. Provide a key-operated test switch for each detector.
9. **Cabinet Unit Heater** - self-contained radiator valve with remote sensing bulb located below the heating coil shall open on call for heat. The unit fan shall operate when a temperature control senses 100°F (adjustable) warm air above the heating coil.
 10. **Heating Coils** - respective zone thermostat modulates heating control valve to maintain thermostat set point.
 11. **Ceiling Exhaust Fans** - shall operate simultaneously with room light switch.
 12. **Ceiling Exhaust Fan** - shall operate simultaneously with room light switch through solid state speed control switch.
 13. **Roof Exhaust Fan** - shall operate as desired through 6-hour timer switch located in the Apparatus Room. Fan shall be interlocked with heating and ventilating unit as described above.

CONVECTOR RADIATION SCHEDULE

SYMBOL	DESCRIPTION	CAPACITY	MODEL
A	Partially Recessed, Floor Level	12.1 MBH	Airtherm Type "PB", 6" x 64" x 32" h., w/A-6 Access.
B	Fully Recessed, Floor Level	2.5 MBH	Airtherm Type "FB", 4" x 24" x 32" h., w/A-6 Access.
C	Fully Recessed, Floor Level	2.0 MBH	Airtherm Type "FR", 4" x 20" x 32" h., w/A-6 Access.
D	Fully Recessed, w/inlet Grille and Bottom Overlap	3.6 MBH	Airtherm Type "FD", 4" x 36" x 24" h., w/A-1 and A-6 Access.
E	Fully Recessed, w/inlet Grille and Bottom Overlap	7.0 MBH	Airtherm Type "FD", 6" x 48" x 24" h., w/A-1 and A-6 Access.
F	Fully Recessed, w/inlet Grille and Bottom Overlap	10.6 MBH	Airtherm Type "FD", 8" x 48" x 32" h., w/A-1 and A-6 Access.
G	Fully Recessed, w/inlet Grille and Bottom Overlap	5.0 MBH	Airtherm Type "FD", 6" x 48" x 24" h., w/A-1 and A-6 Access.
H	Fully Recessed, w/inlet Grille and Bottom Overlap	1.2 MBH	Airtherm Type "FD", 4" x 20" x 32" h., w/A-1 and A-6 Access.
I	Free Standing, Floor Mounted	3.1 MBH	Airtherm Type "F", 6" x 24" x 20" h., w/A-6 Access.

PUMP SCHEDULE

SYMBOL	GPM	HEAD, ft. water	HP	MODEL NUMBER
P-1	81	15	1/2	B & G Model PD 35-5
P-2	10	11	1/6	B & G Model 11" HV
P-3	9	11	1/6	B & G Model 11" HV
P-4	42	12	1/4	B & G Model 21"
P-5	10	6	1/12	B & G Series 100, Model "75", all bronze

GENERAL NOTES

1. All work and materials shall be in accordance with applicable codes, standards, and ordinances, rules, and regulations of the Fire Marshal. Nothing in the plans shall be construed as requiring or permitting work in violation of such codes. Where work is shown on the plans without detailed specifications, all work shall be done with materials and methods accepted as good practice by the construction industry in accordance with such codes.
2. Applicable codes are as follows:
 - a) Uniform Building Code, 1982.
 - b) Uniform Mechanical Code, 1982.
 - c) Uniform Plumbing Code, 1982.
 - d) Uniform Fire Code, 1985.
 - e) National Fire Protection Association (NFPA).
3. Combustion air openings shall be provided for the Mechanical Room as noted on the drawing with the "high" opening located within 12" of the finished ceiling level and the "low" opening located within 12" of the finished floor level.

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	TRAP/TRAP ARM	WASTE	VENT	HW	CW	REMARKS
P-1	Water Closet	4"	4"	2"	--	1"	Am. Std. 2109.405 "Cadet", floor mount, 12" rough-in, 14" rim height, Church 5330.063 seat.
P-2	Water Closet	4"	4"	2"	--	1"	Am. Std. 2477.016 "Afwall", wall hung, 15" rim height, Sloan Royal 110-3 flush valve, Church 5321.112 seat.
P-3	Water Closet	4"	4"	2"	--	1"	Am. Std. 2477.016 "Afwall", wall hung, 18" rim height, Sloan Royal 110-3 flush valve, Church 5321.112 seat.
P-4	Urinal	2"	2"	2"	--	1"	Am. Std. 6531.019 "Lybrook", Sloan Royal 180 flush valve.
P-5	Lavatory	1 1/2"	2"	2"	1"	1"	Am. Std. 0355.012 "Lucerne", vitreous china, wall hung, 4" centers, 2379.063 faucet assembly.
P-6	Lavatory	1 1/2"	2"	2"	1"	1"	Am. Std. 0493.015 "Avalon", self-rimming vitreous china countertop, 4" centers, 2103.711 faucet assembly.
P-7	Lavatory	1 1/2"	2"	2"	1"	1"	Am. Std. 0476.028 "Aqualyn", self-rimming vitreous china countertop, 4" centers, 2379.063 faucet assembly.
P-8	Sink	1 1/2"	2"	2"	1"	1"	Kohler K-5961 "Mayfield" colored enameled cast iron countertop, single bowl 3-hole drop-top, overall size 16" x 21" x 8", Am. Std. 4200.177 faucet assembly w/hose and spray, Am. Std. 4320.024 stainless steel crumb cup drain. Color selection by Architect.
P-9	Sink	1 1/2"	2"	2"	1"	1"	Am. Std. 7024.011 "Custom-Line", colored self-rimming enameled cast iron countertop, single bowl 4-hole drop-top, size 21" x 15" x 8" d., 4200.168 faucet assembly w/hose and spray, 4320.024 stainless steel crumb cup drain. Color selection by Architect. Install garbage disposal (provided by General Contractor).
P-10	Sink	1 1/2"	2"	2"	1"	1"	Kohler K-5924 "Lakewood", colored self-rimming enameled cast iron countertop, double bowl 4-hole design, bowl sizes 15" x 12" x 8" d. and 9" x 17" x 5" d., Am. Std. 4200.177 faucet assembly w/hose and spray, Am. Std. 4320.024 stainless steel crumb cup drain. Color selection by Architect. Install garbage disposal (provided by General Contractor).
P-11	Service Sink	3"	4"	2"	1"	1"	Am. Std. 7740.020 "Flonell" 7745.010 removable vinyl-coated rim guard, 8340.242 exposed faucet assembly w/vacuum breaker.
P-12	Service Sink	3"	3"	2"	1"	1"	Am. Std. 7622.049 "Lakewell", w/8379.018 rim guard, 7790.044 trap, and 8340.242 exposed faucet assembly w/vacuum breaker.
P-13	Tub/Shower	1 1/2"	2"	2"	1"	1"	Am. Std. 2187.409 "Contour", enameled steel recess model with slip-resistant surface, nominal tub dimensions 66" x 30" x 16" h., left hand outlet, 1490.077 bath/shower control valve/outlet fittings.

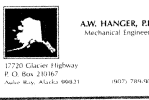
PLUMBING FIXTURE SCHEDULE, cont.

SYMBOL	FIXTURE	TRAP/TRAP ARM	WASTE	VENT	HW	CW	REMARKS
P-14	Washer Utility Outlet Box	2"	2"	2"	1"	1"	Oatey 1-30754 w/hot and cold water boiler drain valves and mounting brackets.
P-15	Shower Head and Control	--	--	--	1"	1"	Am. Std. 1490.051 shower control valve and outlet fitting.
P-16	Fountain	1 1/2"	2"	2"	--	1"	Elkay ED-14-C w/self-closing push-button bubbler and CP-14 bottom cover plate, 36" spout height.
P-17	Floor Drain	2"	2"	2"	--	--	Josam 30000-A w/adjustable height 6" diameter polished nickel strainer.
P-18	Floor Drain	--	3"	--	--	--	Josam 36830, side outlet w/heavy duty grate and sediment bucket.
P-19	Roof Drain	--	3"	--	--	--	Josam 21500 w/deck clamp, drain receiver, and cast iron dome.
P-20	Hydrant	--	--	--	--	1"	Josam 71000 non-freeze type w/integral vacuum breaker and satin face bronze box and bronze casing.
P-21	Dishwasher	--	1"	--	1"	--	Provided by General Contractor. Connect waste to garbage disposal w/astm Central Model CD-3 copper air gap fitting.

REVISIONS



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 ARCHITECTS
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 Juneau, Alaska 99801
 907/586-1371

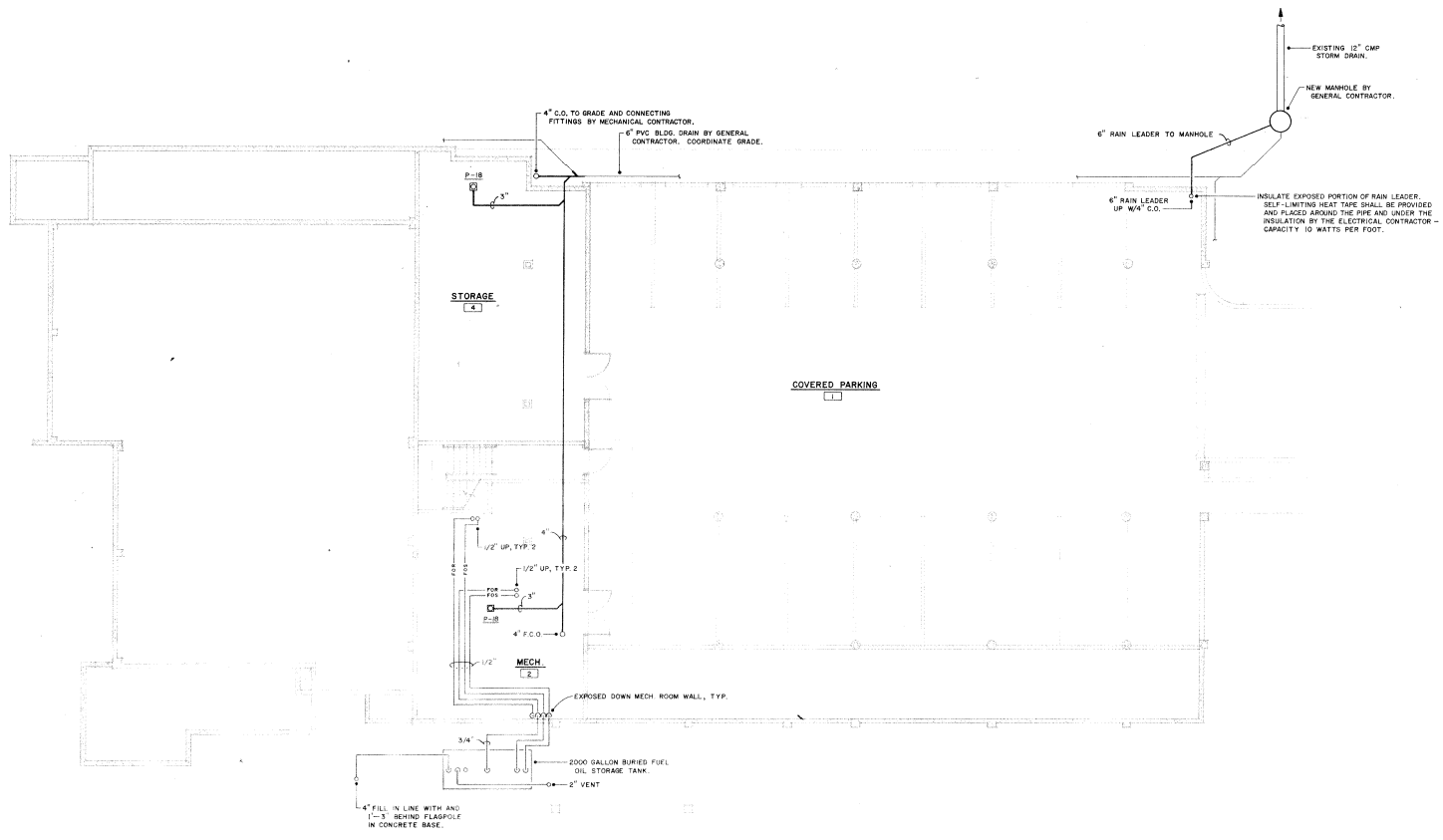


Douglas Fire Station and Library
 Douglas, Alaska
 CITY AND BOROUGH OF JUNEAU ALASKA
 MRF NO. 8501

SHEET TITLE
SCHEDULES

DATE JANUARY 1986
 DRAWN A. HANGER
 CHK'D.
 DWG. NO.





UNDERFLOOR PLUMBING—LOWER FLOOR

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



NO.	DATE	REVISIONS



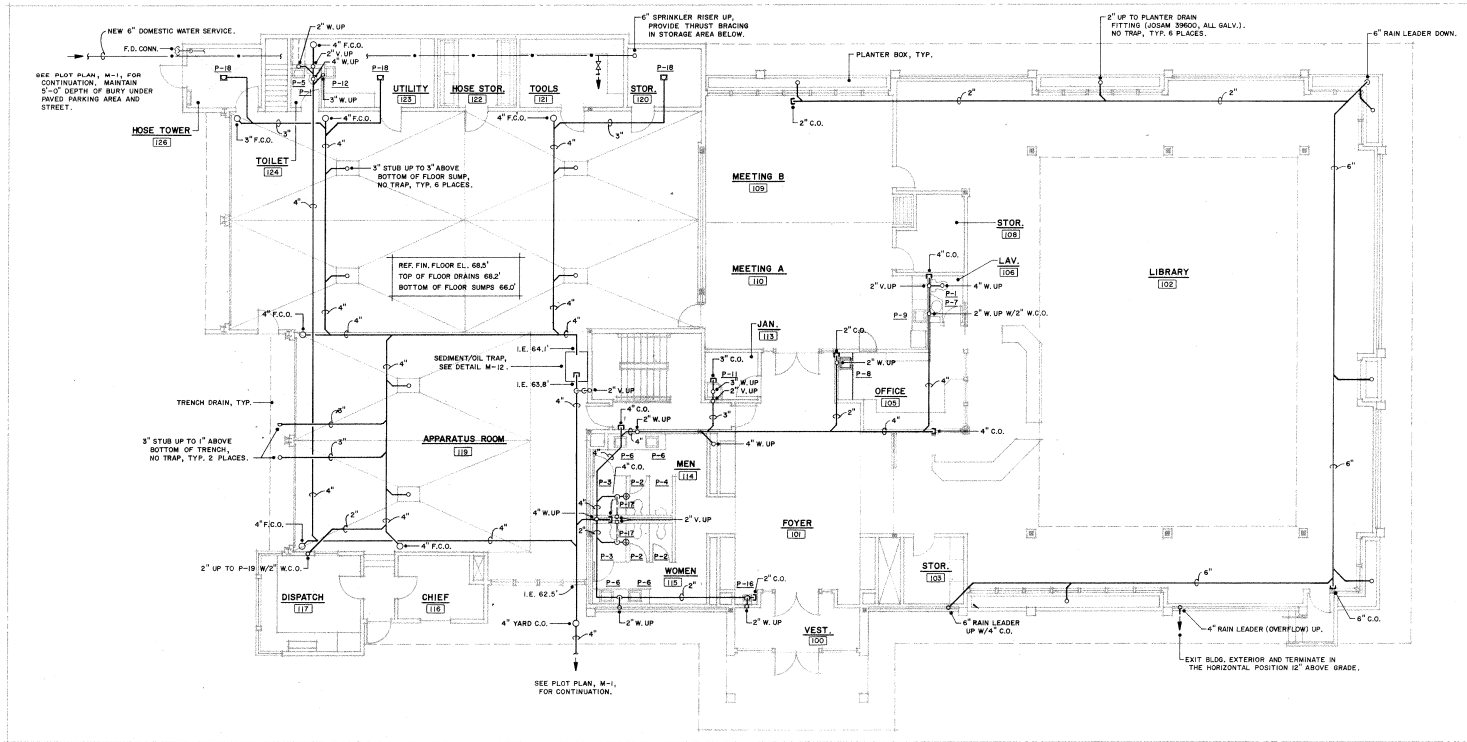
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Douglas Fire Station and Library
 Douglas, Alaska
 CITY AND BOROUGH OF JUNEAU ALASKA

SHEET TITLE	PLUMBING
DATE	JANUARY 1986
DRAWN	A. HANGER
CHKD.	
DWG. NO.	M2

550	20	04.2.1	OW-3
0501	TB-1	04.2.1	OW-3



UNDERFLOOR PLUMBING—MAIN FLOOR

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

8501 TB-1 BA 22 OM-4

NO.	DATE	REVISIONS



MRF
 MINCH • RITTER • FOREST ARCHITECTS
 Suite 4
 800 Glacier Avenue
 Juneau, Alaska 99801
 907/586-1371

A.W. HANGER, P.E.
 Mechanical Engineer
 2720 Glenn Highway
 P.O. Box 21067
 Anchorage, Alaska 99521
 (907) 769-9010

Douglas Fire Station and Library
 Douglas, Alaska
 CITY AND BOROUGH OF JUNEAU ALASKA

SHEET TITLE
 PLUMBING

DATE JANUARY 1986
DRAWN A. HANGER

CHKD.
DWG. NO.

M4

NO.	DATE	REVISIONS



MRF
 ARCHITECTS &
 INTERIORS
 800 Glacier Ave.
 Juneau, Alaska 99801
 907.986.1371

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 P.O. Box 21086
 Anchorage, Alaska 99521
 (907) 761-9018

Douglas Fire Station and Library
 Douglas, Alaska
 CITY AND BOROUGH OF JUNEAU ALASKA

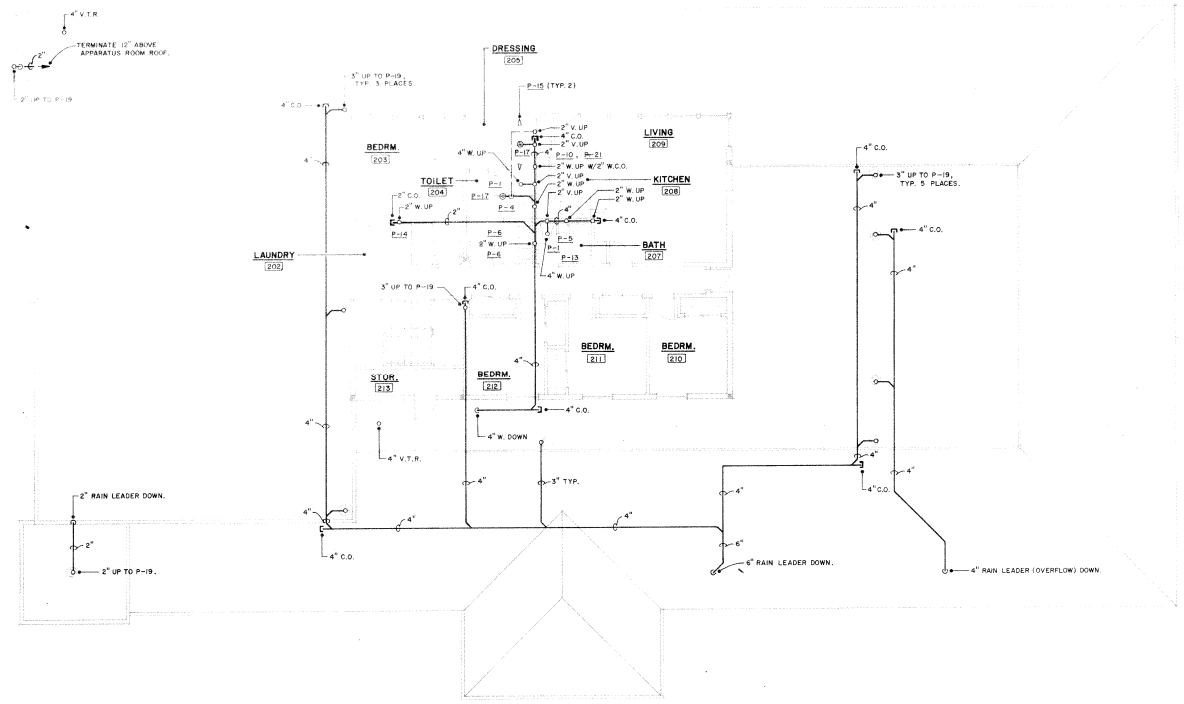
SHEET TITLE
PLUMBING

DATE JANUARY 1986

DRAWN A. HANGER

CHKD.
 DWG. NO.

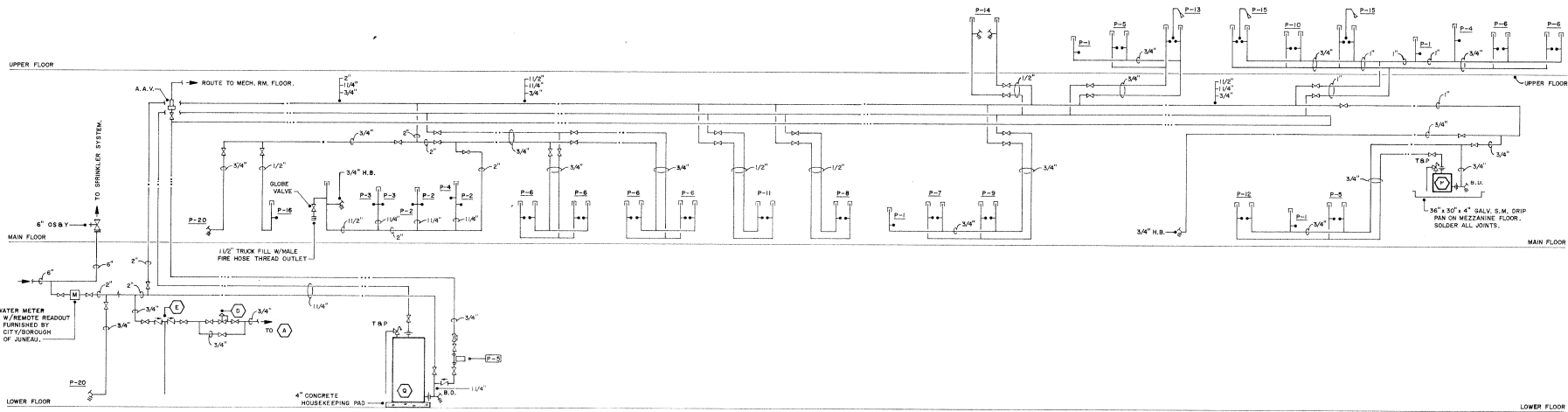
M5



UNDERFLOOR PLUMBING - UPPER FLOOR
 SCALE: 1/8" = 1'-0"

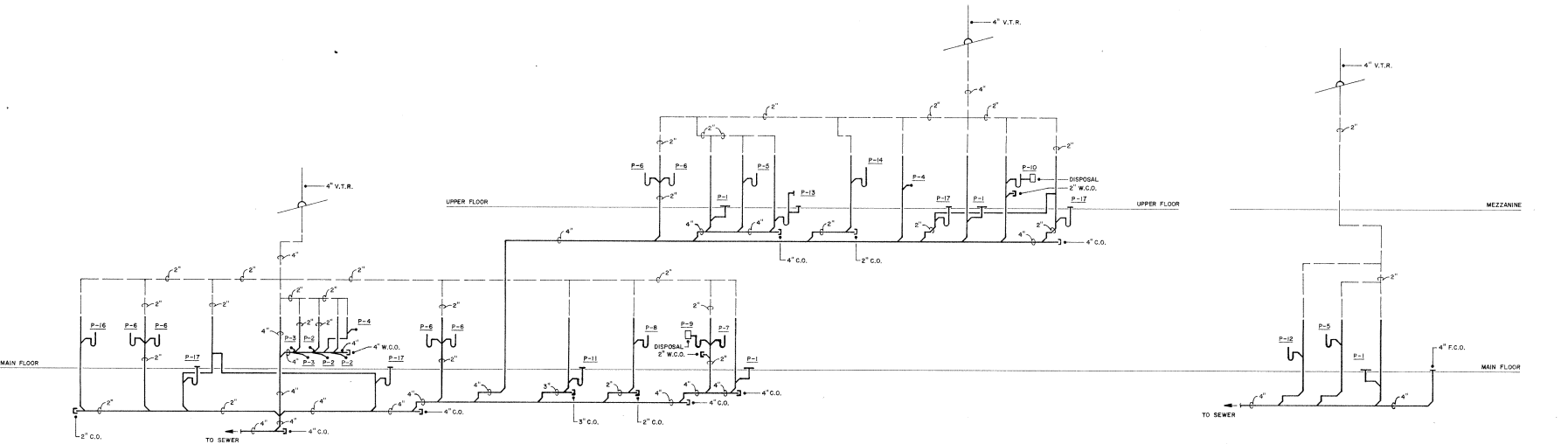
6501 TB-1 BA-2.3 DM-5

DM-5 DM-5 DM-5



DOMESTIC WATER PIPING SCHEMATIC

NO SCALE



WASTE PIPING SCHEMATICS

NO SCALE

NO.	DATE	REVISIONS



MRF
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 Suite A
 907/596-1371

A.W. HANGER, P.E.
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 Anchorage, Alaska 99521
 (907) 764-9010

Douglas Fire Station and Library
 Douglas, Alaska
 CITY AND BOROUGH OF JUNEAU ALASKA
 MRF NO. 8601

SHEET TITLE
PLUMBING SCHEMATICS

DATE JANUARY 1986

DRAWN A. HANGER

CHKD.

DWG. NO.

M6

NO.	DATE	REVISIONS



MRF
 ARCHITECTS
 MANCH & RITTER • FORREST
 800 Glacier Avenue
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 907/586-1371

A.W. HANGER, P.E.
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 Juneau, Alaska 99821
 907/789-9018

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 Douglas, Alaska
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SHEET TITLE
HEATING AND VENTILATING

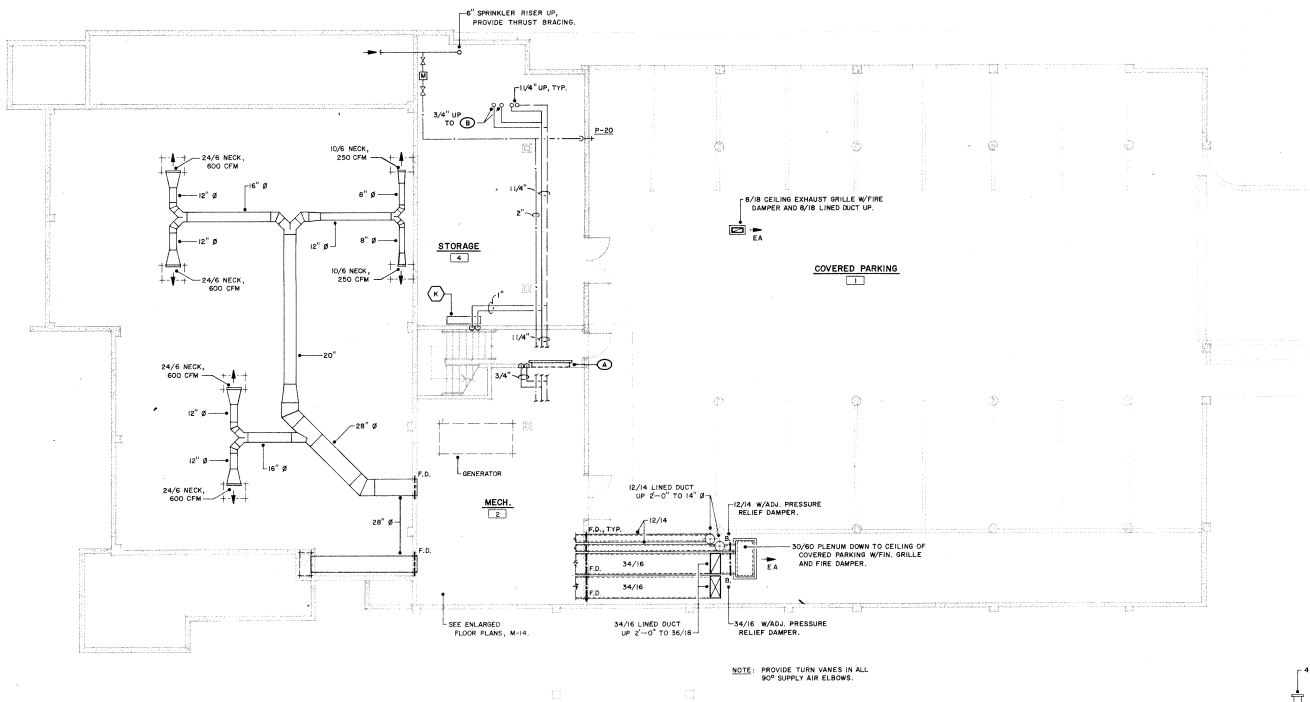
DATE JANUARY 1986

DRAWN A. HANGER

CHKD.

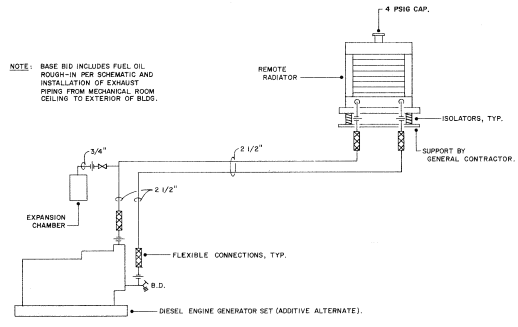
DWG. NO.

M7



HEATING AND VENTILATING—LOWER FLOOR

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

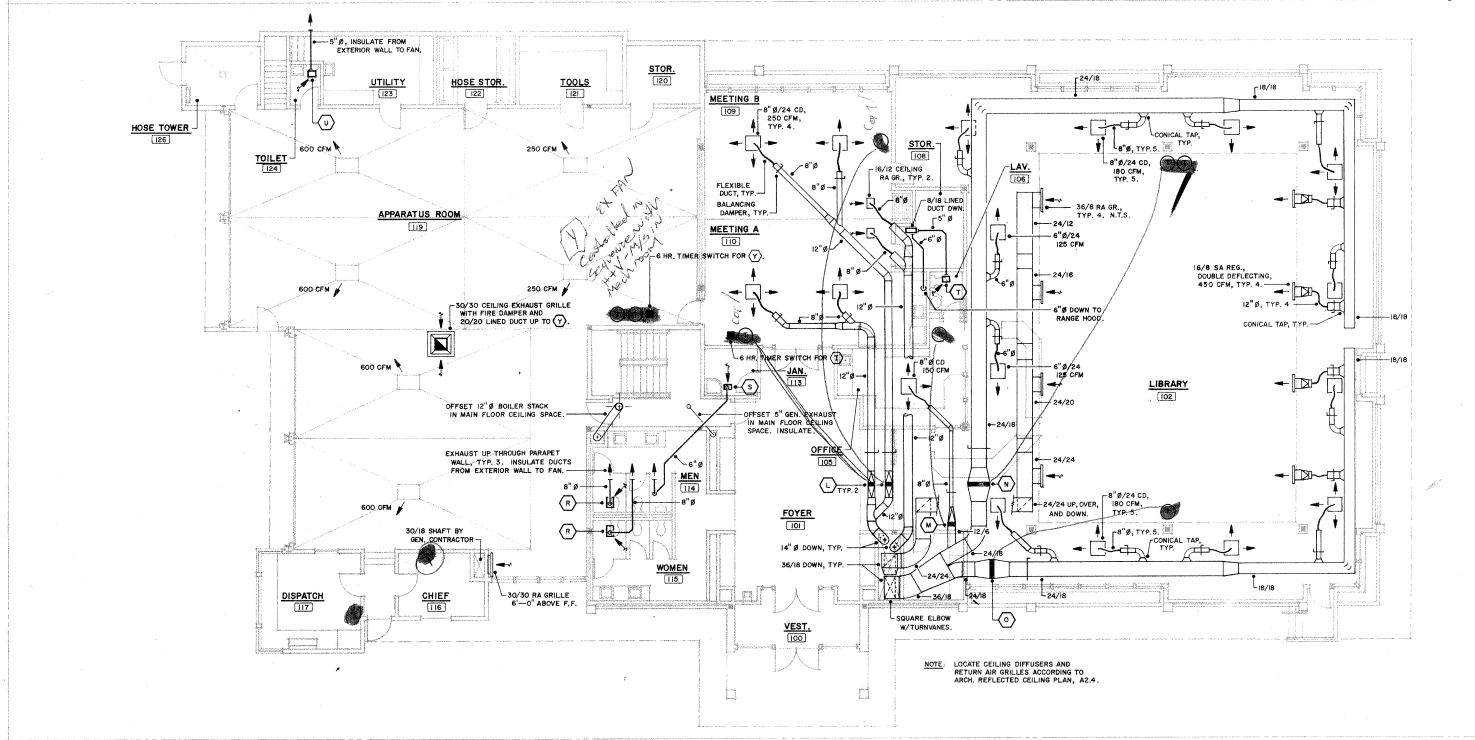


GENERATOR COOLING SYSTEM PIPING SCHEMATIC

NO SCALE



REV.	DATE	BY	CHKD.
0001	10-1-85	BA-2-J	OK-7



HEATING AND VENTILATING — MAIN FLOOR

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

Make owner verify
M.R.P.

Total
M+ 5 sig lines
To Basement

NO.	DATE	REVISIONS



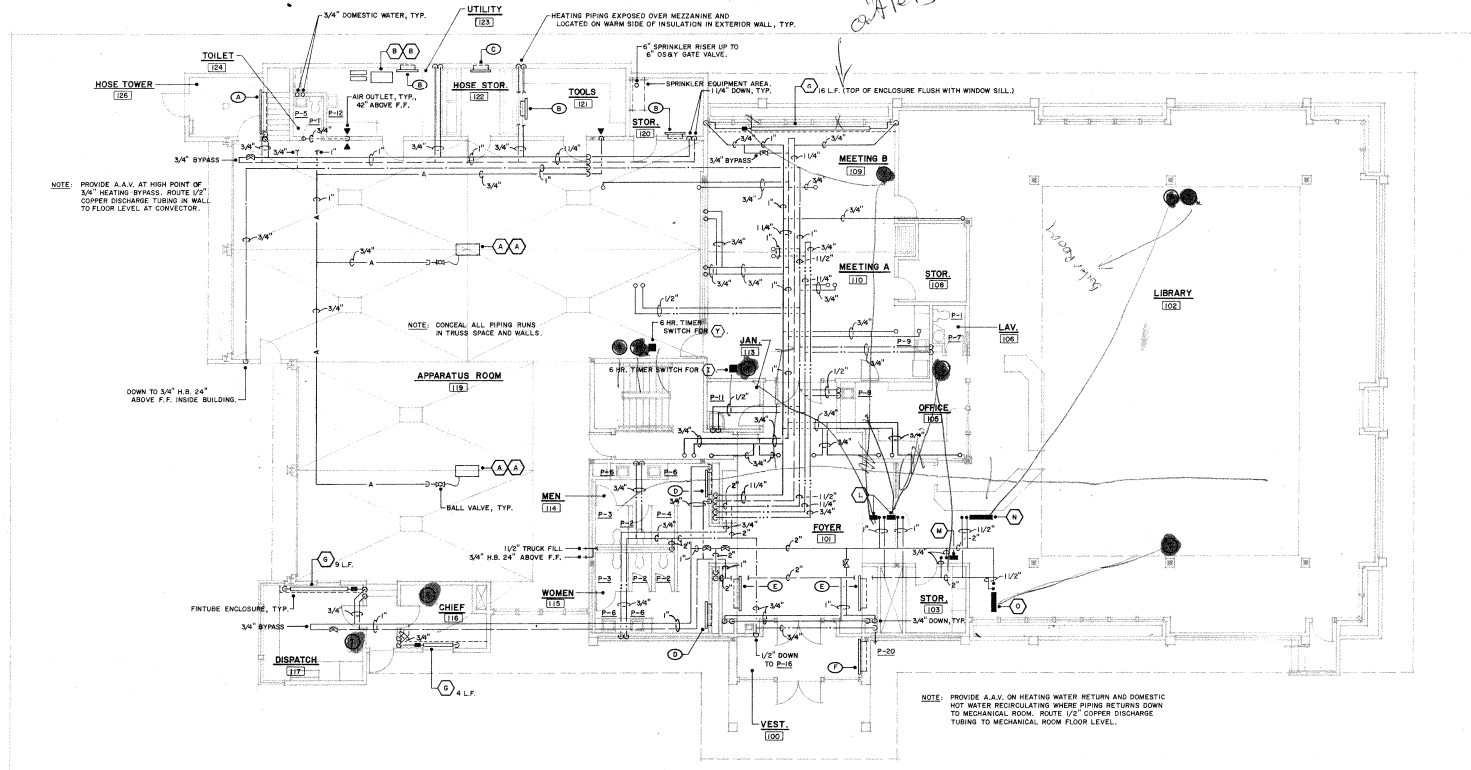
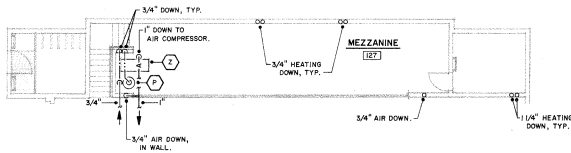
MRF
MENCH & RITTER • FOFREST ARCHITECTS
800 Glacier Avenue
Juneau, Alaska 99801
907/586-1371

A.W. HANGER, P.E.
Mechanical Engineer
1730 Glacier Highway
P.O. Box 210167
Juneau, Alaska 99821
(907) 589-9010

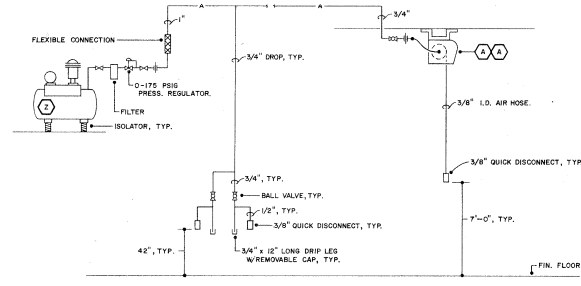
Douglas Fire Station and Library
Douglas, Alaska
CITY AND BOROUGH OF JUNEAU ALASKA

SHEET TITLE	
HEATING AND VENTILATING	
DATE	JANUARY 1986
DRAWN	A. HANGER
CHKD.	
DWG. NO.	M8

250	10-1	10-2	10-3	10-4	10-5	10-6
250	10-1	10-2	10-3	10-4	10-5	10-6



atlets



HEATING AND PIPING—MAIN FLOOR
SCALE: 1/8" = 1'-0"

COMPRESSED AIR PIPING SCHEMATIC
NO SCALE

0.01' 0.02' 0.03' 0.04' 0.05' 0.06' 0.07' 0.08' 0.09' 0.10'

NO.	DATE



MRF
 MINCH • RITTER • FORREST ARCHITECTS
 Suite A
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 Juneau, Alaska 99801
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 (907) 789-9118

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 Douglas, Alaska
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SHEET TITLE
 HEATING AND PIPING

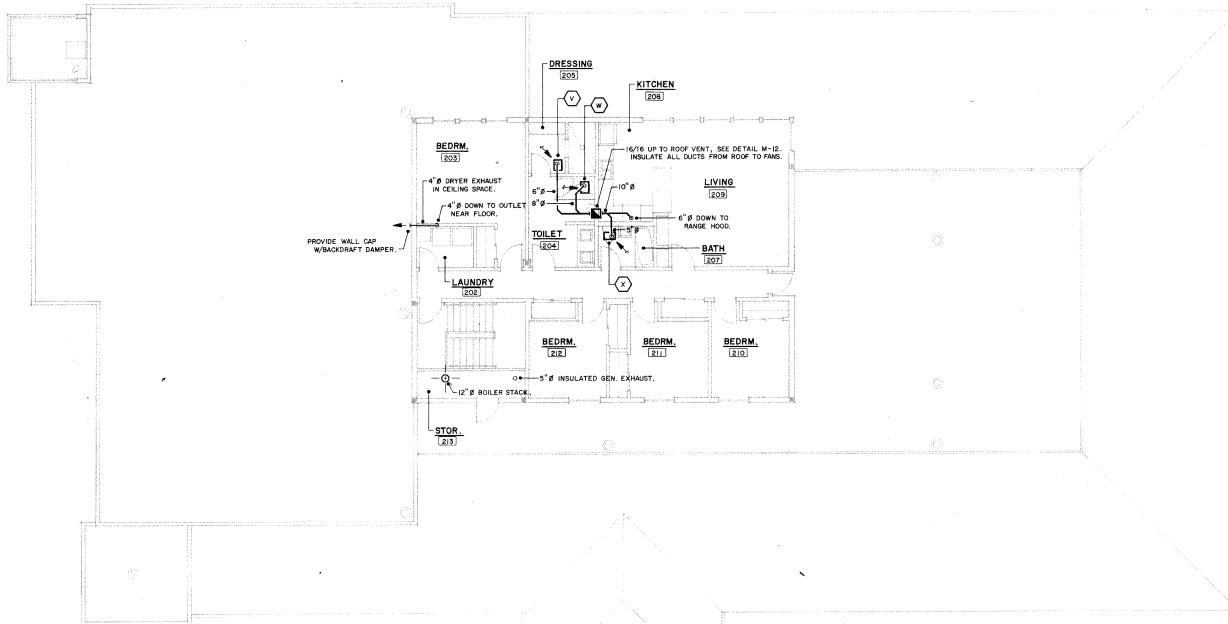
DATE JANUARY 1986

DRAWN A. HANGER

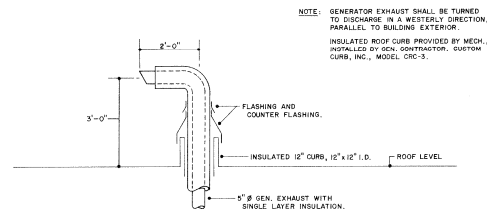
CHKD.

DWG. NO.

M9



VENTILATING—UPPER FLOOR
SCALE: 1/8" = 1'-0"



GENERATOR EXHAUST DETAIL
SCALE: 1/2" = 1'-0"

NOTE: GENERATOR EXHAUST SHALL BE TURNED TO DISCHARGE IN A WESTERLY DIRECTION, PARALLEL TO BUILDING EXTERIOR.
INSULATED ROOF CURB PROVIDED BY MECH. INSTALLED BY GEN. CONTRACTOR. CUSTOM CURB, INC., MODEL CRC-3.

REVISIONS
NO. DATE



MRF

MINCH • PITTER • FORREST ARCHITECTS
800 Glacier Avenue Suite A
Juneau, Alaska 99801 907-586-1371



A.W. HANGER, P.E.
Mechanical Engineer
17720 Glacier Highway
P.O. Box 2076
Juneau, Alaska 99821 (907) 789-9038

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Douglas, Alaska
CITY AND BOROUGH OF JUNEAU ALASKA

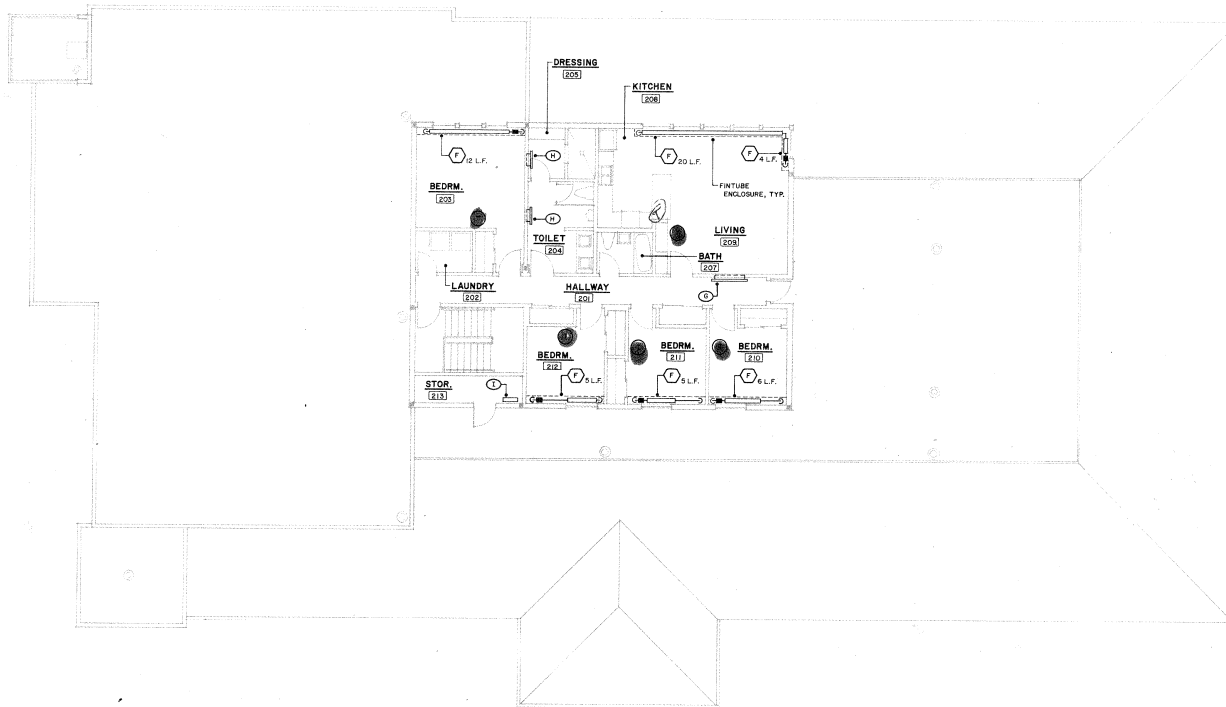
SHEET TITLE
VENTILATING

DATE JANUARY 1996
DRAWN A. HANGER

CHKD.
DWG. NO.

M10

0501 TB-1 06.25 06.10



HEATING—UPPER FLOOR

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

NO.	DATE	REVISIONS



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 MINCH & RITTER • FOREST ARCHITECTS
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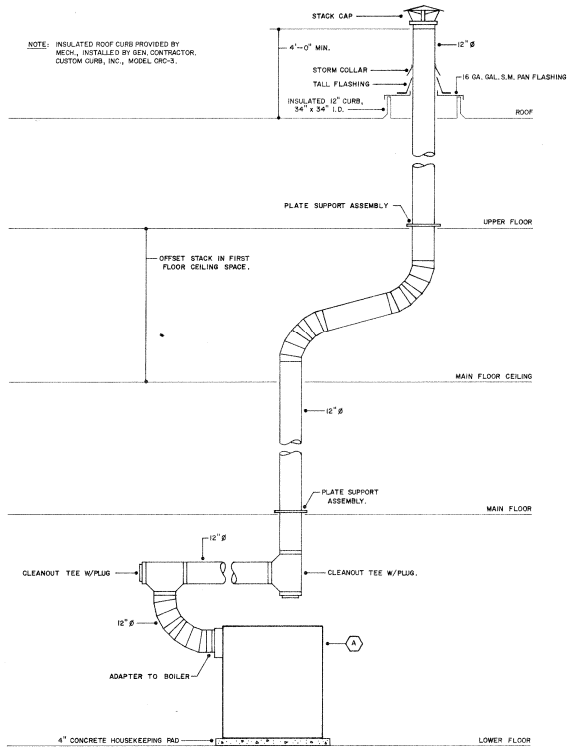
SHEET TITLE	HEATING
DATE	JANUARY 1986
DRAWN	A. HANGER
CHKD.	
DWG. NO.	

*Wagner the
 Electrician*

M149

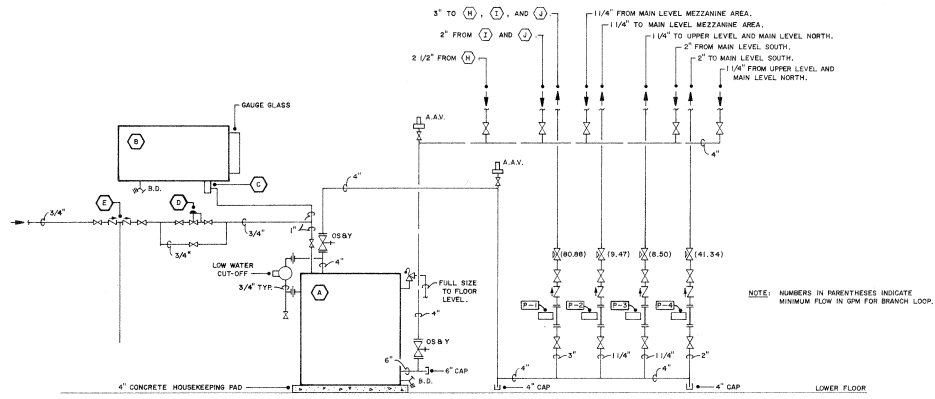
05:01 TB-1 84-23 08-11

NOTE: INSULATED ROOF CURB PROVIDED BY MECH., INSTALLED BY GEN. CONTRACTOR. CUSTOM CURB, INC., MODEL CUC-3.



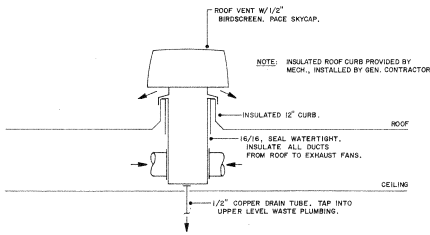
DETAIL - BOILER STACK

NO SCALE



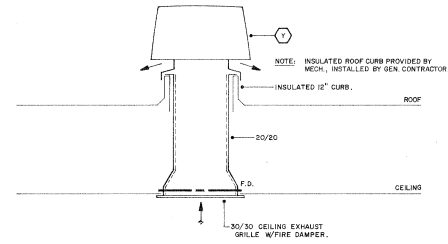
BOILER PIPING SCHEMATIC

NO SCALE



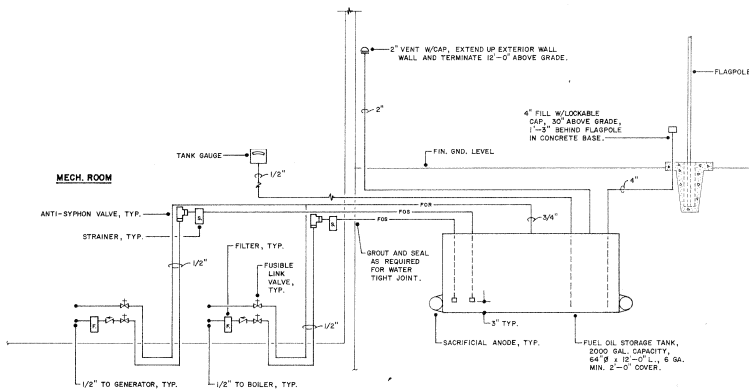
DETAIL - ROOF VENT

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



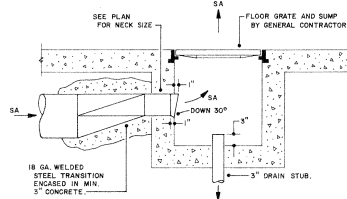
DETAIL - ROOF EXHAUST FAN

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



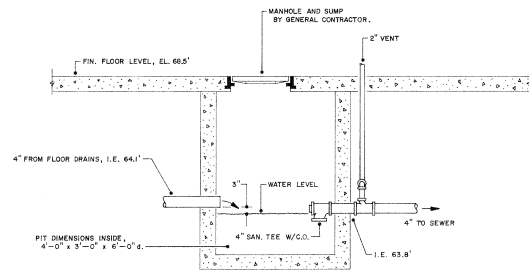
FUEL OIL PIPING SCHEMATIC

NO SCALE



DETAIL - FLOOR SUMP AIR SUPPLY AND DRAIN

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



DETAIL - SEDIMENT/OIL TRAP

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

REVISIONS	DATE	INC.



MRF
 MANCH • PITTER • FOREST ARCHITECTS
 800 CH
 Juneau, Alaska 99801
 907/586-1371

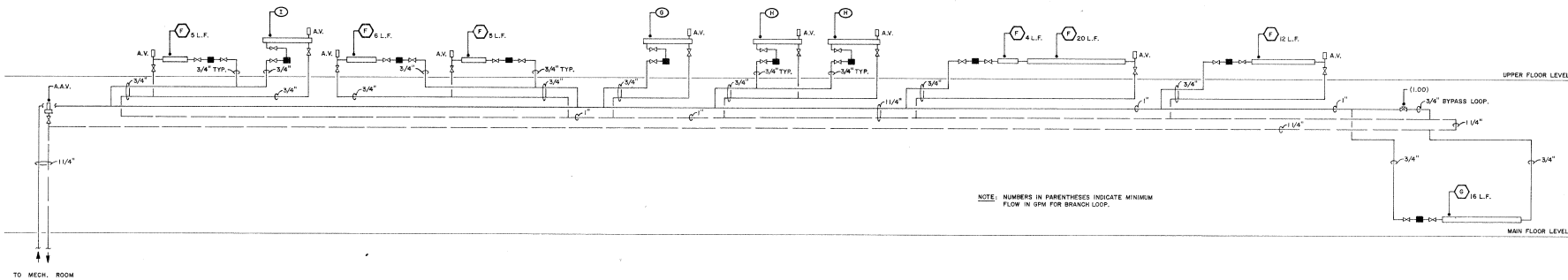
A.W. HANGER, PE.
 Mechanical Engineer
 17720 Cedar Highway
 P.O. Box 23042
 Anchorage, Alaska 99512
 907/789-9018

Douglas Fire Station and Library
 Douglas, Alaska
 CITY AND BOROUGH OF JUNEAU ALASKA
 MRF NO. 8501

SHEET TITLE
DETAILS AND HEATING SCHEMATIC

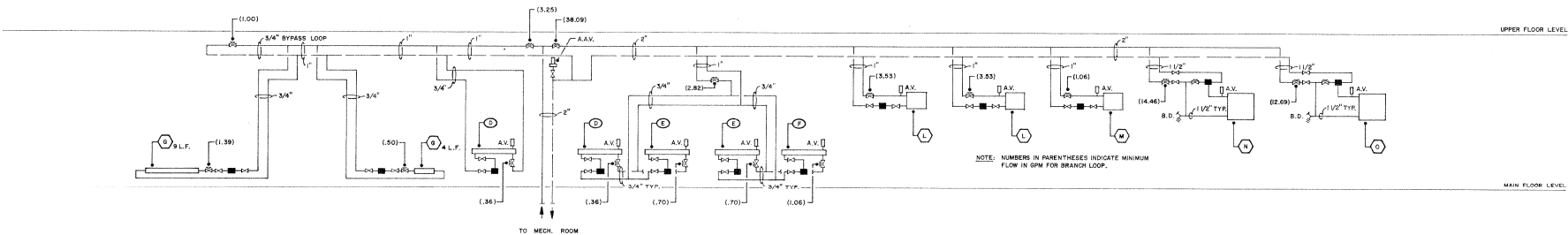
DATE: JANUARY 1986
 DRAWN: A. HANGER
 CHKD:
 DWG. NO.

M12



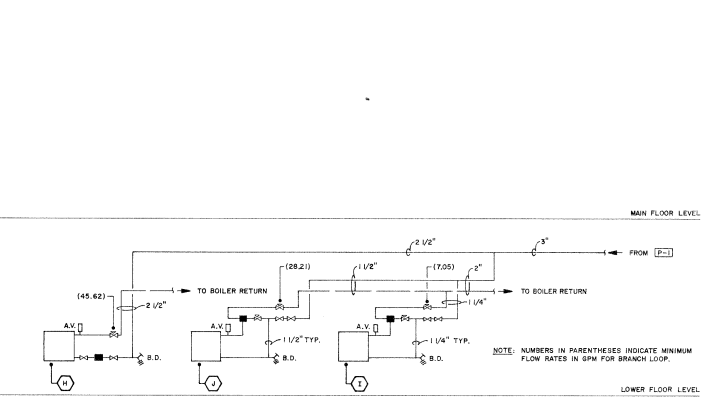
HEATING PIPING SCHEMATIC — UPPER LEVEL AND MAIN LEVEL NORTH

NO SCALE



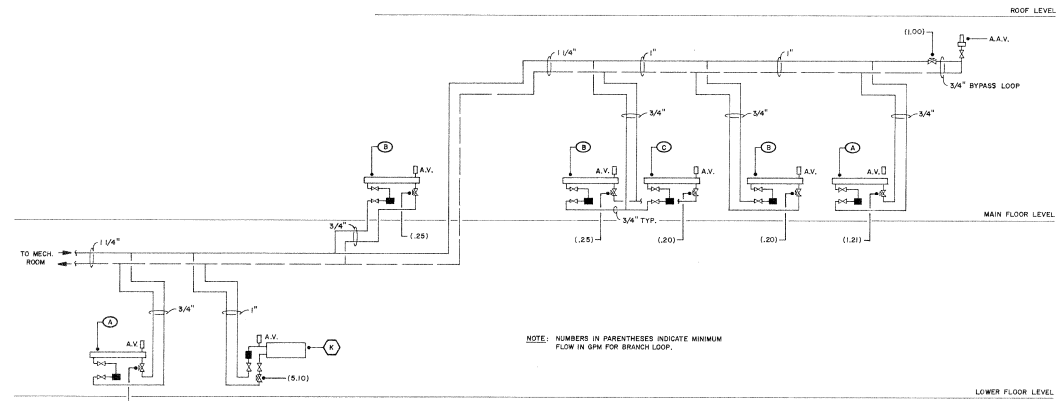
HEATING PIPING SCHEMATIC — MAIN LEVEL SOUTH

NO SCALE



HEATING PIPING SCHEMATIC — MECHANICAL ROOM H&V UNITS

NO SCALE



HEATING PIPING SCHEMATIC — MAIN LEVEL MEZZANINE AREA

NO SCALE

NO.	DATE	REVISIONS

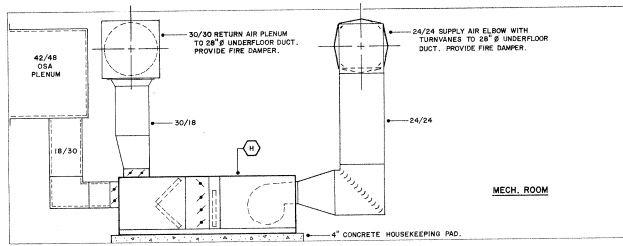


MRF
 MINCH • RITTER • FORREST ARCHITECTS
 Suite A
 800 Glacier Avenue
 Juneau, Alaska 99801
 907/586-1371

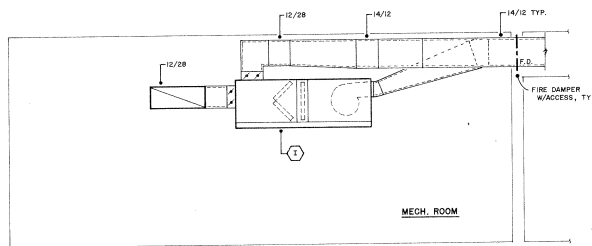
A.W. HANGER, P.E.
 Mechanical Engineer
 1770 Glacier Highway
 P.O. Box 210067
 Anchorage, Alaska 99521
 907/759-9018

Douglas Fire Station and Library
 Douglas, Alaska
 CITY AND BOROUGH OF JUNEAU ALASKA
 MRF NO. 8501

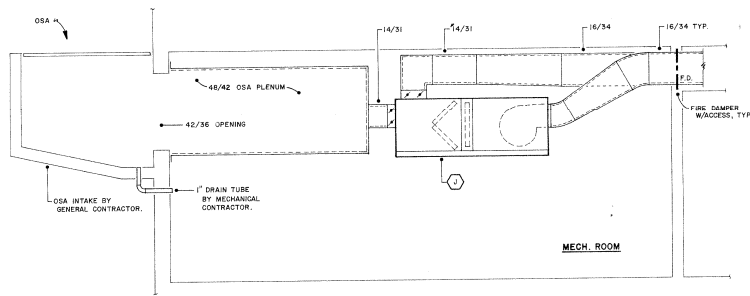
SHEET TITLE	
HEATING SCHEMATICS	
DATE	JANUARY 1986
DRAWN	A. HANGER
CHKD.	
DWG. NO.	M13



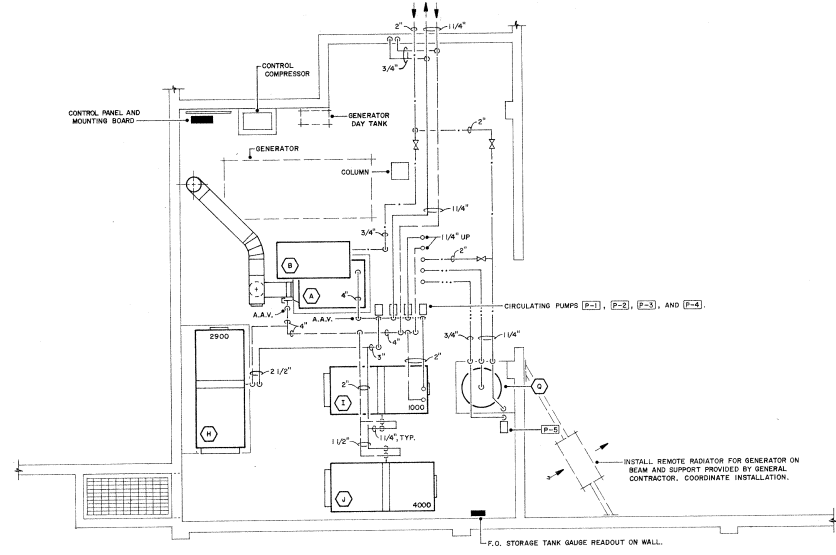
DETAIL — HEATING AND VENTILATING UNIT
SCALE: 3/8" = 1'-0"



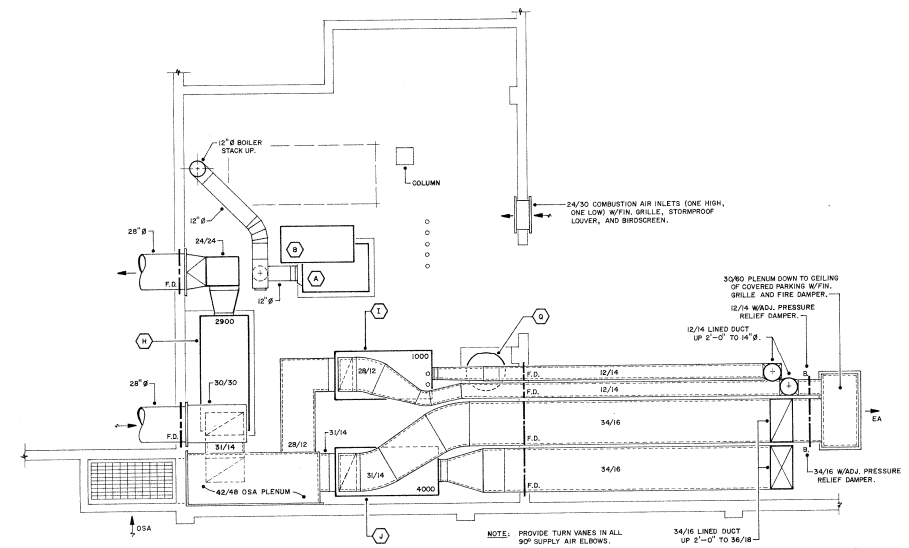
DETAIL — HEATING AND VENTILATING UNIT
SCALE: 3/8" = 1'-0"



DETAIL — HEATING AND VENTILATING UNIT
SCALE: 3/8" = 1'-0"



ENLARGED FLOOR PLAN — MECHANICAL ROOM PIPING
SCALE: 1/4" = 1'-0"



ENLARGED FLOOR PLAN — MECHANICAL ROOM HEATING AND VENTILATING
SCALE: 1/4" = 1'-0"

NO.	DATE	REVISIONS



MRF
MINICH • RITTER • FORREST ARCHITECTS
800 Glacier Avenue
Juneau, Alaska 99901
Suite A
907/586-1371

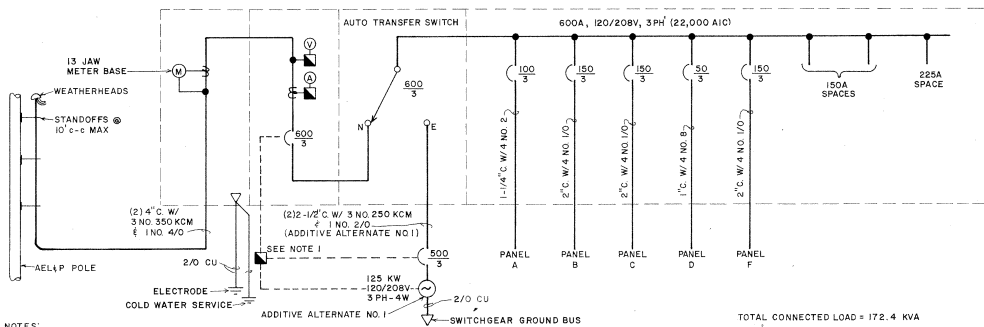
A.W. HANGER, P.E.
Mechanical Engineer
17220 Glacier Highway
P.O. Box 20106
Anchorage, Alaska 99511
(907) 789-9018

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CITY AND BOROUGH OF JUNEAU ALASKA
MRF NO. 8501

SHEET TITLE
HEATING AND VENTILATING DETAILS

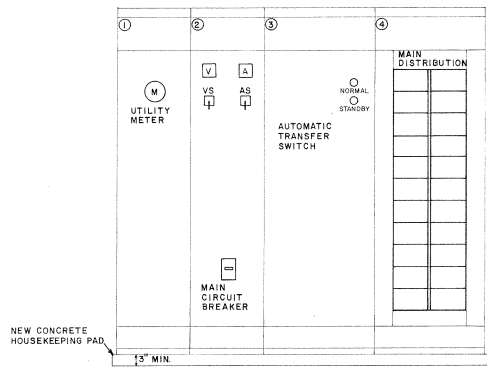
DATE: JANUARY 1986
DRAWN: A. HANGER
CHKD.:
DWG. NO.:

M14

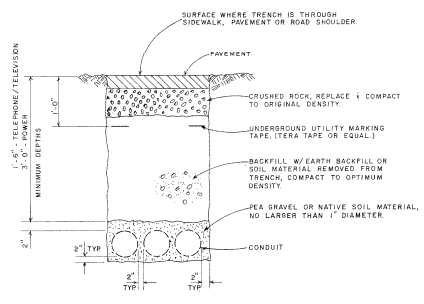


- NOTES:
- ELECTRICAL SHUNT TRIP/GENERATOR SHUTDOWN PUSHBUTTON SWITCH. LOCATE W/ FIRE ALARM PANEL.
 - BUS, CIRCUIT BREAKERS, & ATS AS 22,000 AIC MINIMUM.

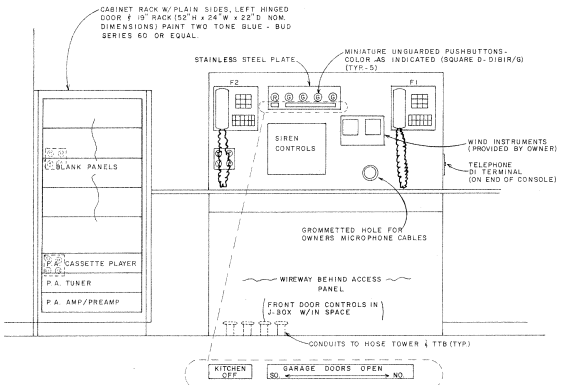
SINGLE LINE DIAGRAM - MAIN DISTRIBUTION CENTER
NTS



ELEVATION - MAIN DISTRIBUTION CENTER
SCALE: 3/4" = 1'-0"



TRENCH DETAIL
NTS



ELEVATION - DISPATCH CONSOLE
SCALE: 1" = 1'-0"

ABBREVIATIONS

- AFP ABOVE FINISHED FLOOR
- AFB ABOVE FINISHED GRADE
- GF1 GROUND FAULT INTERRUPTER
- PE PHOTOELECTRIC
- UNW UNLESS OTHERWISE NOTED
- WP WEATHER PROOF
- XFRM TRANSFORMER

SWITCH-OUTLETS

- Sw SUBSCRIPT DENOTES LUMINAIRE SWITCHED
- S SINGLE POLE SWITCH
- Sp DOUBLE POLE SWITCH
- Sw SWITCH FOR LOW VOLTAGE SWITCHING SYSTEM
- LC LIGHTING CONTACTOR
- NS NOT SWITCHED
- PE PHOTOELECTRIC CELL

LIGHTING

- FLUORESCENT LUMINAIRE
- FLUORESCENT LUMINAIRE, EQUIP. W/ SINGLE EMERGENCY BALLAST WHERE SHOWN, BODIES 800 F-48 OR APPROVED EQUAL. SEE NOTE 1.
- EXTERIOR WALL LUMINAIRE
- CEILING LUMINAIRE
- WALL MOUNT EXIT LUMINAIRE
- TRACK LIGHTING

POWER

- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- MULTI-OUTLET RECEPTACLE SYSTEM
- FLOOR RECEPTACLE
- SPECIAL RECEPTACLE
- CLOCK RECEPTACLE
- JUNCTION BOX

SIGNAL

- TELEPHONE OUTLET
- TELEVISION
- SMOKE DETECTOR; IONIZATION
- HEAT DETECTOR; RATE OF RISE (135 UN)
- MANUAL PULL STATION
- AUDIO/VISUAL FIRE ALARM HORN
- FIRE ALARM HORN
- DOOR BELL
- WALL MOUNTED SPEAKER
- CEILING MOUNTED SPEAKER
- INTERCOM

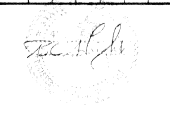
GENERAL

- CONDUIT WITH CONDUCTORS, SLABED INDICATE NUMBER OF CONDUCTORS IF NOT TWO
- FLEXIBLE CONDUIT
- MOTOR CONNECTION
- DISCONNECT
- COMBINATION STARTER/DISCONNECT
- DETAIL

NOTE:
1. DELETE W/ ADDITIVE ALTERNATE NO. 1 SWITCH WHERE SHOWN.

REVISIONS	
NO.	DATE
MRF MINCH • RITTER • FORREST ARCHITECTS Suite A 800 Glacier Avenue Juneau, Alaska 99801 907/986-1371	
Douglas Fire Station and Library Douglas, Alaska CITY AND BOROUGH OF JUNEAU ALASKA MRF NO. 8501	
SHEET TITLE	
LEGEND/POWER SERVICE ENTRANCE	
DATE JANUARY 20, 1986	
DRAWN SS, PL, TC	
CHKD. BCH	
DWG NO.	
E1.0	

NO.	DATE	REVISIONS



MRF

MINCH • RITTER • FORREST ARCHITECTS
Suite A
800 Glacier Avenue
Juneau, Alaska 99801
907/586-1371



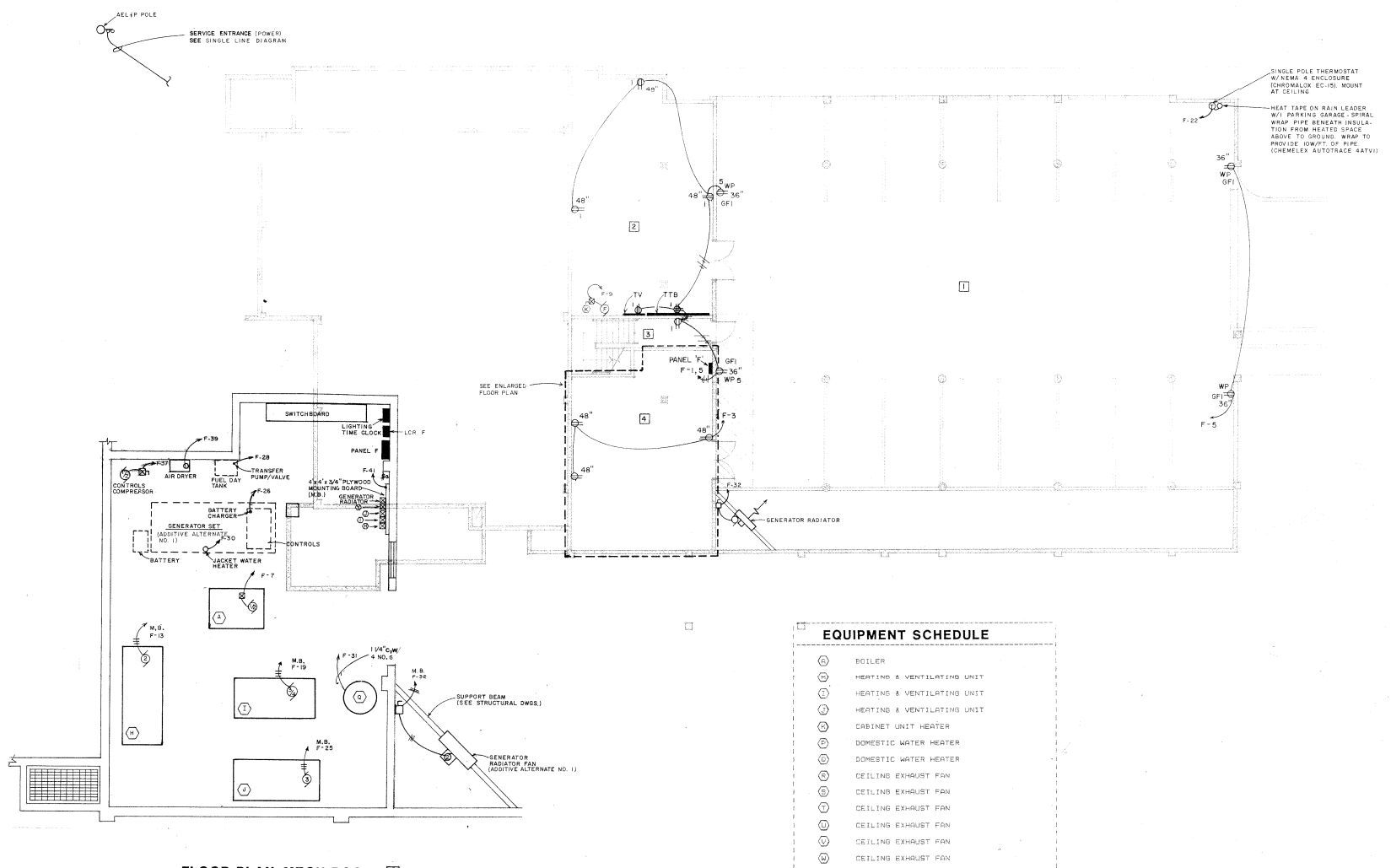
A.C. HAIGHT
Engineering Contractor
1000 Commercial Street, Juneau, Alaska 99801

Douglas Fire Station and Library

Douglas, Alaska
CITY AND BOROUGH OF JUNEAU ALASKA

LOWER FLOOR POWER

JANUARY 20, 1988
DATE: SS, PL, TC
DRAWN: BCH
CHKD:
DWG. NO. E2.1

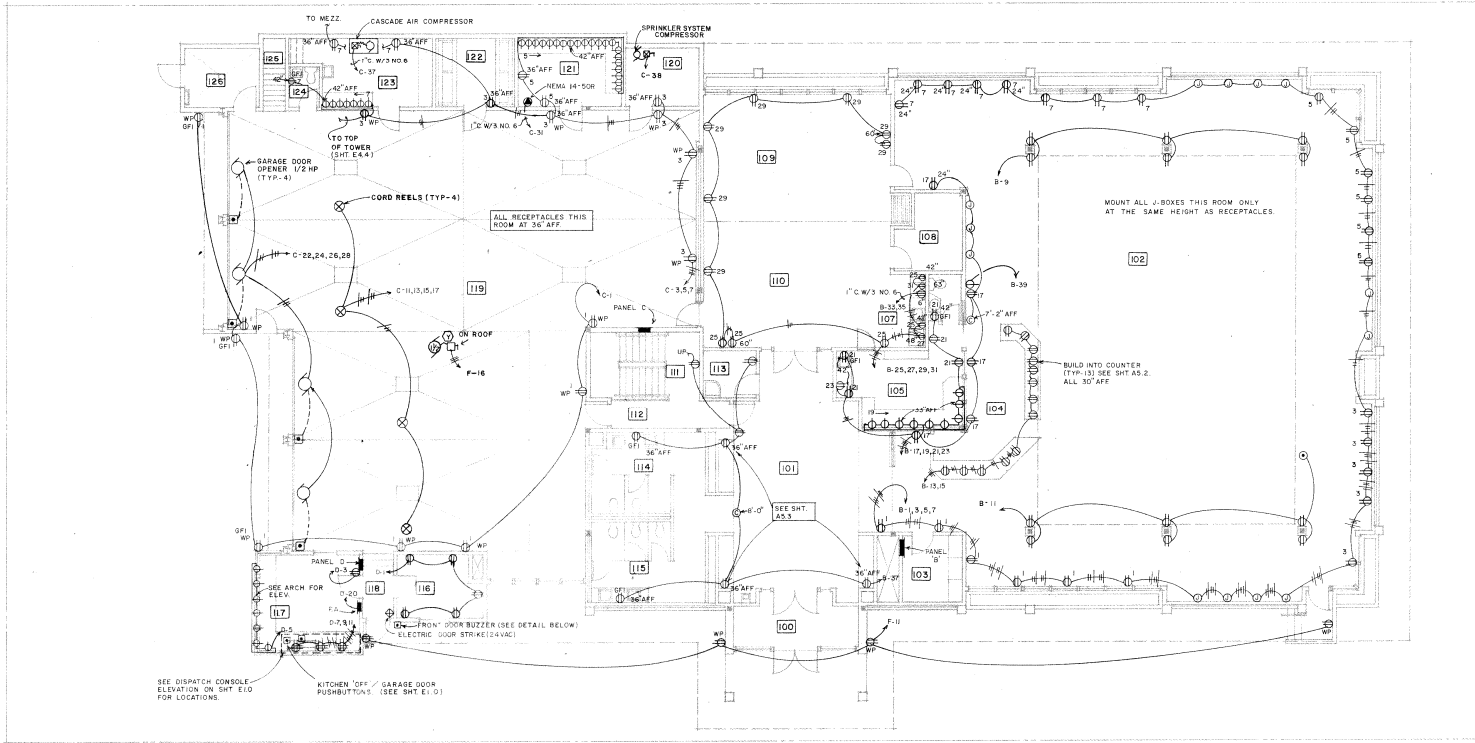
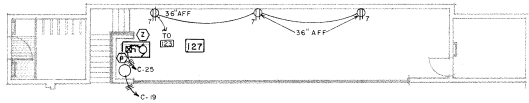


⊙	BOILER
⊙	HEATING & VENTILATING UNIT
⊙	HEATING & VENTILATING UNIT
⊙	HEATING & VENTILATING UNIT
⊙	CABINET UNIT HEATER
⊙	DOMESTIC WATER HEATER
⊙	DOMESTIC WATER HEATER
⊙	CEILING EXHAUST FAN
⊙	CEILING EXHAUST FAN
⊙	CEILING EXHAUST FAN
⊙	CEILING EXHAUST FAN
⊙	CEILING EXHAUST FAN
⊙	CEILING EXHAUST FAN
⊙	CEILING EXHAUST FAN
⊙	ROOF EXHAUST FAN
⊙	STATIONARY AIR COMPRESSOR

NOTE: THIS EQUIPMENT SCHEDULE COORDINATES WITH MECHANICAL EQUIPMENT SCHEDULE ON SH-T, M.I.

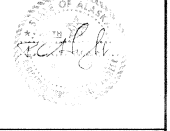
800 TB-1 20-2,1 DC-2,1
 20-2,1 20-2,1 DC-2,1
 20-2,1 20-2,1 DC-2,1

FLOOR PLAN-MECH ROOM 4
 SCALE: 1/4" = 1'-0"



DETAIL G - FRONT DOOR CONTROLS
NTS

NO.	DATE	REVISIONS



MRF
 ARCHITECTS
 MANCH • RITTER • FOREST
 800 Glacier Avenue
 Juneau, Alaska 99801
 907/586-1371



P.C. REAGAN, INC.
 ENGINEERS
 100 North Steese Avenue, Suite 100
 Juneau, Alaska 99801

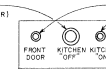
Douglas Fire Station and Library
 Douglas, Alaska
 CITY AND BOROUGH OF JUNEAU ALASKA

MAIN FLOOR POWER

DATE	JANUARY 30, 1988
DRAWN	SS, PL, TC
CHKD.	BCH
DWG NO.	E2.2

6527 TB-1
 01-22 DE-2.2
 BA-2.2 DE-2.2

MINIATURE MUSHROOM RED
PUSHBUTTON (SQUARE D - D181K)



MINIATURE GUARDED BLACK
PUSHBUTTON (SQUARE D - D1A1S)

STAINLESS STEEL PLATE
W/LABELS AS SHOWN.

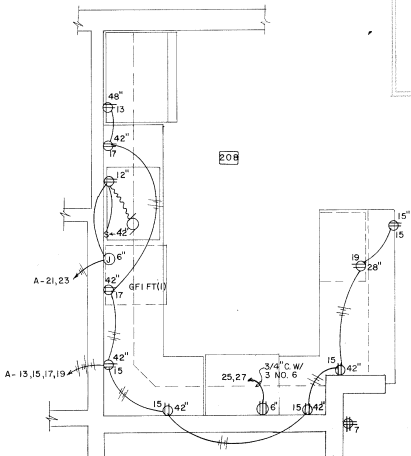
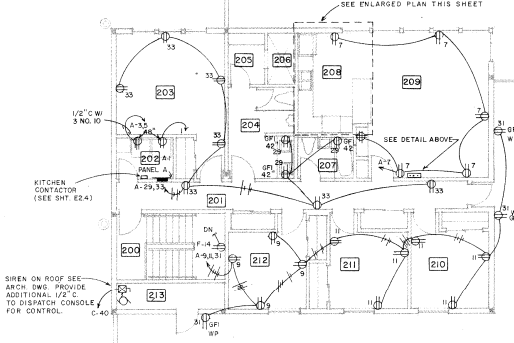


LIGHT SWITCH FOR ROOM 209

DETAIL - KITCHEN/FRONT DOOR CONTROLS

NTS

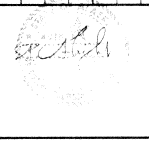
SEE ENLARGED PLAN THIS SHEET



FLOOR PLAN - KITCHEN

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

REVISIONS	
NO.	DATE



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Juneau, Alaska 99801
907-586-1371



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Douglas, Alaska
CITY AND BOROUGH OF JUNEAU ALASKA

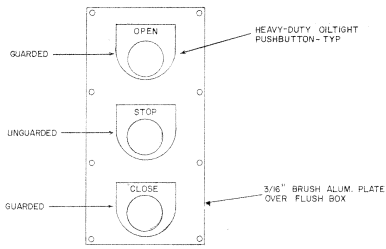
SHEET 121.6
UPPER FLOOR POWER

JANUARY 20, 1998
DATE: SS, PL, TC
DRAWN: BCH
CHKD:
DWG. NO.:

E2.3

8001 TB-1 DE-2.3

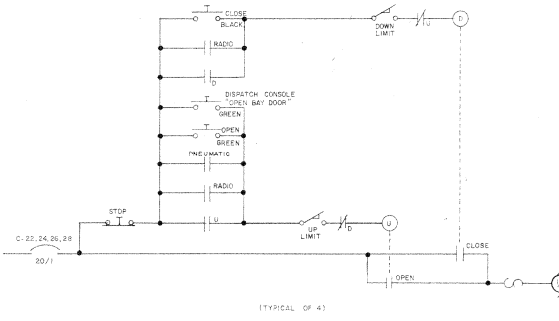
PANEL A		SIZE	VOLTS-PHASE		MAIN				LOCATION		MOUNT
WIRE		120/208-3Ø	120/208-3Ø		LOGS ONLY		BREAKER	DESCRIPTION		WIRE	
NO.	SIZE	DESCRIPTION	AMP	KVA	CB	ICT	POLE	DESCRIPTION	NO.	ICT	
1	2/21	WASHER	20/1	0.21 1.0			0.81	20/1	208-207	3/12	2
3	12/40	DRYER	20/1	2.0	3.7		1.41	20/1	208-208	3/12	4
5	1	SPARE	---	---	---	---	---	---	208-208-211, EXH	---	6
7	12/21	ROOM 209	20/1	0.1	0.8		0.11	20/1	EXHAUST FAN	3/12	10
11	---	ROOMS 211, 210	---	---	---	---	---	---	SPARE	---	12
13	---	KEEPER	---	---	---	---	---	---	---	---	14
15	12/12	KITCHEN	20/1	0.2	0.7			20/1	---	---	15
17	---	KITCHEN	---	---	---	---	---	---	---	---	18
19	---	MICROWAVE	---	---	---	---	---	---	---	---	20
21	---	DISPOSAL	20/1	0.5	0.9			20/1	---	---	22
23	---	REF	---	---	---	---	---	---	---	---	24
25	12/2	PANEL	20/2	0.5	3.0			---	---	---	26
27	---	SPARE	---	---	---	---	---	---	---	---	28
29	12/12	RESTROOMS	20/1	1.0	7.0			---	---	---	30
31	---	EXTERIOR	20/1	0.3	0.3			---	---	---	32
33	---	ROOMS 207, 203	---	---	---	---	---	---	---	---	34
35	---	SPARE	---	---	---	---	---	---	---	---	36
37	---	---	---	---	---	---	---	---	---	---	38
39	---	---	---	---	---	---	---	---	---	---	40
41	---	---	---	---	---	---	---	---	---	---	42
TOTAL CONNECTED LOAD = 33.7 KVA/ 93 AMPS										112.0 14.4 7.3	



NOTE: REFER TO SPEC SECTION 08360
"SECTIONAL OVERHEAD DOORS"

DETAIL F - GARAGE DOOR PUSHBUTTON
SCALE: 1/2" = 1"

PANEL B		SIZE	VOLTS-PHASE		MAIN				LOCATION		MOUNT
WIRE		120/208-3Ø	120/208-3Ø		LOGS ONLY		BREAKER	DESCRIPTION		WIRE	
NO.	SIZE	DESCRIPTION	AMP	KVA	CB	ICT	POLE	DESCRIPTION	NO.	ICT	
1	12/21	LIBRARY 102	20/1	1.1	2.8			20/1	LIBRARY 102 PERMITTER	4/12	2
3	---	LIBRARY 102	---	---	---	---	---	---	LIBRARY 102 PERMITTER	---	4
5	12/12	LIBRARY 102	1.4	1.1	2.2	1.1			LIBRARY 102 PERMITTER	---	6
7	---	LIBRARY 102	---	---	---	---	---	---	LIBRARY 102 TUBE	---	8
9	12/12	LIBRARY COLUMNS 102	1.4	1.4	3.2	2.9			LIBRARY 102 TUBE	---	10
11	14/212	LIBRARY COLUMNS 102	---	---	---	---	---	---	LIBRARY 102 TRACK	2/212	12
13	12/12	LIBRARY COUNTERS 104	1.4	1.9	1.3	1.3			LIBRARY 102 TRACK	---	14
15	---	LIBRARY COUNTER 104	0.8	2.0				20/1	OFFF105 LAV 106 STOR 108	4/212	16
17	12/12	LIBRARY 102	0.2	1.7	2.3	1.2			MEETING R 109	---	18
19	---	OFFICE 103	0.8	1.7				---	MEETING R 109	---	20
21	---	OFFICE 103	0.8	2.4				---	FOYER 101 FLUOR	4/212	22
23	12/12	LIBRARY REFRIGERATOR 102	1.0	0.9	2.1	0.9			RESTM 144 113 104 JAN 123	---	24
25	14/12	KITCHENETTE 101	0.7	2.3				---	SPARE	---	26
27	---	KITCHENETTE REFRIGERATOR	0.8	0.8				---	SPARE	---	28
29	---	MEETING 107 110	---	---	---	---	---	---	SPARE	---	30
31	12/12	MICROWAVE	20/1	0.5	0.5			---	---	---	32
33	12/12	KITCHENETTE RANGE	20/2	1.8	3.9			---	---	---	34
35	---	FOYER 101	---	---	---	---	---	---	---	---	36
37	12/12	FOYER/RESTROOMS/DISPLAY	20/1	1.4	1.4			---	---	---	38
39	12/12	DRYING COPPER	20/1	2.8	1.3			---	---	---	40
41	---	SPARE	---	---	---	---	---	---	---	---	42
TOTAL CONNECTED LOAD = 46.1 KVA/ 129 AMPS										113.6 17.6 11.8	



SINGLE LINE DIAGRAM - KITCHEN SHUTDOWN
NO SCALE

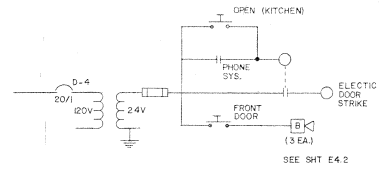
PANEL C		SIZE	VOLTS-PHASE		MAIN				LOCATION		MOUNT
WIRE		120/208-3Ø	120/208-3Ø		LOGS ONLY		BREAKER	DESCRIPTION		WIRE	
NO.	SIZE	DESCRIPTION	AMP	KVA	CB	ICT	POLE	DESCRIPTION	NO.	ICT	
1	20/1	APPARATUS RM 119, EXTER.	10/1	1.3	2.8			20/1	APPARATUS 119 SD, LTG 6/12	---	1
3	14/12	RM 119, STOP 120	1.2	2.9				---	APPARATUS 119 SD	---	3
5	---	ROOM 120	---	---	---	---	---	---	MECHANICAL STOP - 20	---	5
7	---	UTILITY 123, EXTER.	1.2	2.6				---	TR 111 MUSE 123 UTIL 123	2/12	7
9	---	---	---	---	---	---	---	---	TRAY DOOR/FLUOR	---	9
11	12/12	COBD REEL	20/1	1.3	2.8			---	SPARE	---	11
13	---	COBD REEL	---	---	---	---	---	---	---	---	12
15	---	COBD REEL	---	---	---	---	---	---	---	---	14
17	---	COBD REEL	---	---	---	---	---	---	---	---	16
19	12/12	HOT WATER HEATER	20/3	0.6	2.0		0.4	20/1	GARAGE BAY DOOR #1 11/21 13/12	---	18
21	---	---	---	---	---	---	---	---	GARAGE BAY DOOR #2	---	20
23	---	---	---	---	---	---	---	---	GARAGE BAY DOOR #3	---	22
25	12/12	STATIONARY	12/1	0.9	1.3		0.4	---	GARAGE BAY DOOR #3	---	24
27	---	AIR COMPRESSOR	---	---	---	---	---	---	GARAGE BAY DOOR #3	---	26
29	---	OMP	---	---	---	---	---	---	---	---	28
31	---	WELDER	20/3	4.9	6.0		0.3	---	---	---	30
33	---	---	---	---	---	---	---	---	---	---	32
35	---	---	---	---	---	---	---	---	---	---	34
37	---	---	---	---	---	---	---	---	---	---	36
39	12/12	CASCADE AIR	20/3	3.0	3.6		0.6	20/1	ISPRINKLER AIR COMP	4/12	38
41	---	COMPRESSOR	---	---	---	---	---	---	ISPRN	12/12	40
43	---	SPARE	---	---	---	---	---	---	---	---	42
45	---	SPARE	---	---	---	---	---	---	---	---	44
TOTAL CONNECTED LOAD = 49.8 KVA/ 143 AMPS										113.6 18.4 15.8	

SINGLE LINE DIAGRAM - GARAGE DOOR CONTROLS
NO SCALE

PANEL D		SIZE	VOLTS-PHASE		MAIN				LOCATION		MOUNT	
WIRE		120/208-3Ø	120/208-3Ø		LOGS ONLY		BREAKER	DESCRIPTION		WIRE		
NO.	SIZE	DESCRIPTION	AMP	KVA	CB	ICT	POLE	DESCRIPTION	NO.	ICT		
1	12/13	CHIEF OFFICE 116	20/1	0.9	3.0			1.1	20/1	DISPATCH/CHIEF	120	2
3	---	DISPATCH 117	---	---	---	---	---	---	SPARE	---	4	
5	---	DISPATCH CONSOLE	0.4	0.4				---	---	---	6	
7	---	EQUIPMENT	0.4	0.4				---	---	---	8	
9	---	EQUIPMENT	0.4	0.4				---	---	---	10	
11	---	EQUIPMENT	0.4	0.4				---	---	---	12	
13	---	SPARE	---	---	---	---	---	---	---	---	14	
15	---	---	---	---	---	---	---	---	---	---	16	
17	---	---	---	---	---	---	---	---	---	---	18	
19	---	---	---	---	---	---	---	---	---	---	20	
TOTAL CONNECTED LOAD = 4.1 KVA/ 11 AMPS										0.6 6.0 0.4		

PANEL F		SIZE	VOLTS-PHASE		MAIN				LOCATION		MOUNT
WIRE		120/208-3Ø	120/208-3Ø		LOGS ONLY		BREAKER	DESCRIPTION		WIRE	
NO.	SIZE	DESCRIPTION	AMP	KVA	CB	ICT	POLE	DESCRIPTION	NO.	ICT	
1	12/21	STAIR 1 STORAGE 4	20/1	1.4	2.7		0.8	20/1	MECHAGE 1	120	3
3	---	MECH-ELECT 2	---	---	---	---	---	---	MECH. 2	---	5
5	---	GARAGE 2	20/1	0.7	0.7		0.4	---	GARAGE 2	---	7
7	---	BOILER	12/1	0.4	0.6			---	---	---	9
9	---	CABINET UNIT HTP	0.2	1.2	0.8		0.8	20/1	EXTERIOR SOFFIT	120	11
11	---	EXTERIOR	---	---	---	---	---	---	EXTERIOR SOFFIT	---	13
13	12/12	HV UNIT	12/3	1.9	3.4		0.9	---	STAIR 111 112 200/3	---	15
15	---	2 HP	---	---	---	---	---	---	ROOF EXHAUST FAN	3/212	17
17	---	---	---	---	---	---	---	---	---	---	19
19	12/12	HV UNIT	12/3	0.4	1.0		1.1	0.6	---	---	21
21	---	3/4 HP	---	---	---	---	---	---	HEAT TAPE	2/412	23
23	---	---	---	---	---	---	---	---	SPARE	---	25
25	20/12	HV UNIT	20/3	1.3	1.7		0.4	20/1	GENERATOR CONTROL	2/212	27
27	---	3 HP	---	---	---	---	---	---	FUEL WTR SHR	---	29
29	---	---	---	---	---	---	---	---	CABINET WATER HTR	---	31
31	14/18	DOMESTIC WATER HEATER	16/3	1.0	5.9		0.9	15/3	GENERATOR	4/12	33
33	---	13 HP	---	---	---	---	---	---	ROOF EXHAUST FAN	---	35
35	---	---	---	---	---	---	---	---	---	---	37
37	12/12	CONDENS COMPRESSOR	20/1	0.4	0.4			---	---	---	39
39	---	AIR DRYER	---	---	---	---	---	---	---	---	41
41	14/12	MECHANICAL CONTROL	20/1	0.4			0.4	---	---	---	43
TOTAL CONNECTED LOAD = 39.3 KVA/ 107 AMPS										113.6 18.1 13.3	

- * NOTES:
- DOUBLE LUG FOR FUTURE PARALLEL PANEL
 2. GFI CIRCUIT BREAKER
 - 22-000 AIC MIN BRANDED BUS/WORK AND RATED CIRCUIT BREAKERS OR CURRENT LIMITING CIRCUIT BREAKER AT 15000 AIC)



SINGLE LINE DIAGRAM - FRONT DOOR CONTROLS
NO SCALE

NO.	DATE	REVISIONS

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907/586-1371

P. C. BAUGH

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Douglas, Alaska
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NO.	DATE	REVISIONS



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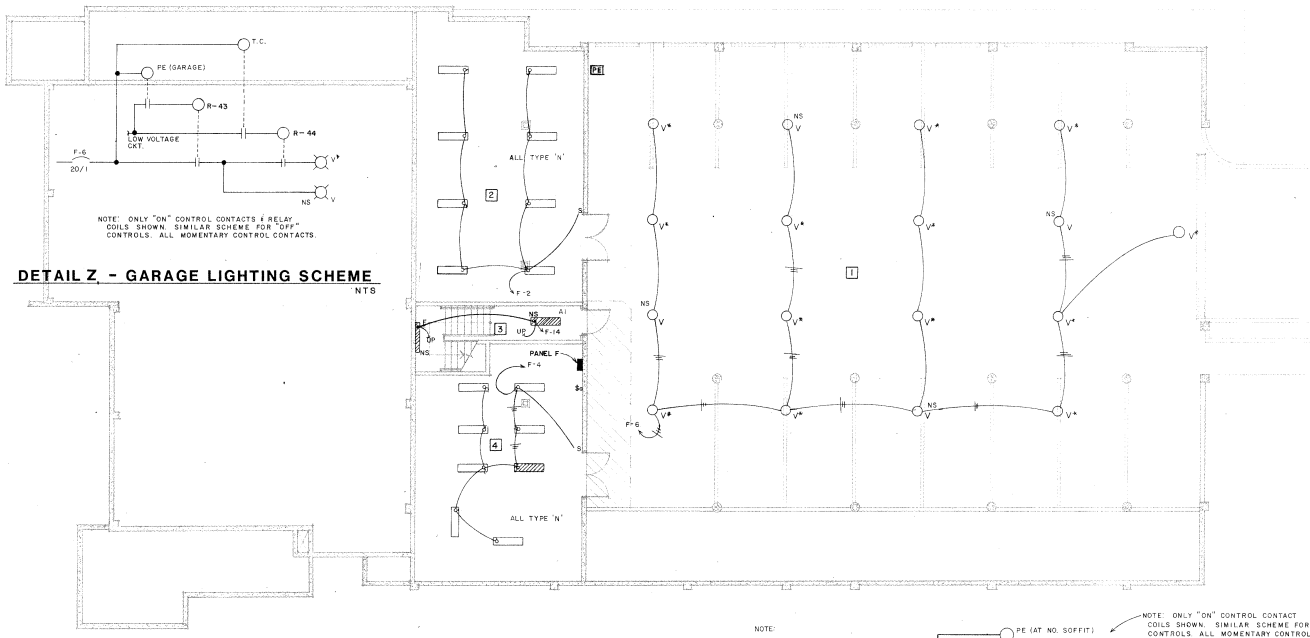


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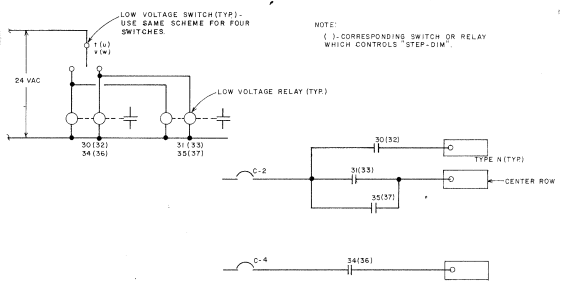
LOWER FLOOR LIGHTING

JANUARY 20, 1988
 DATE SS, PL, TC
 DRAWN BCH
 CHKD
 DWG. NO.

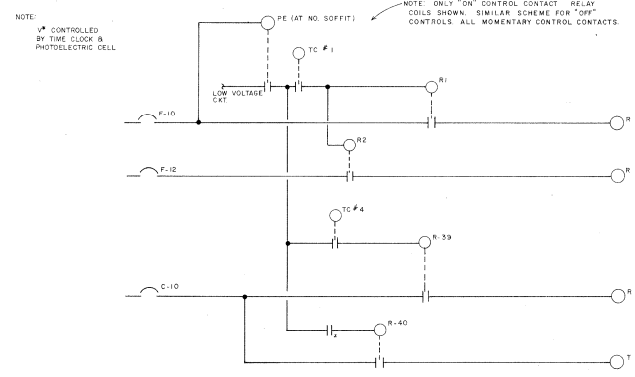
E3.1



DETAIL Z - GARAGE LIGHTING SCHEME
 NTS

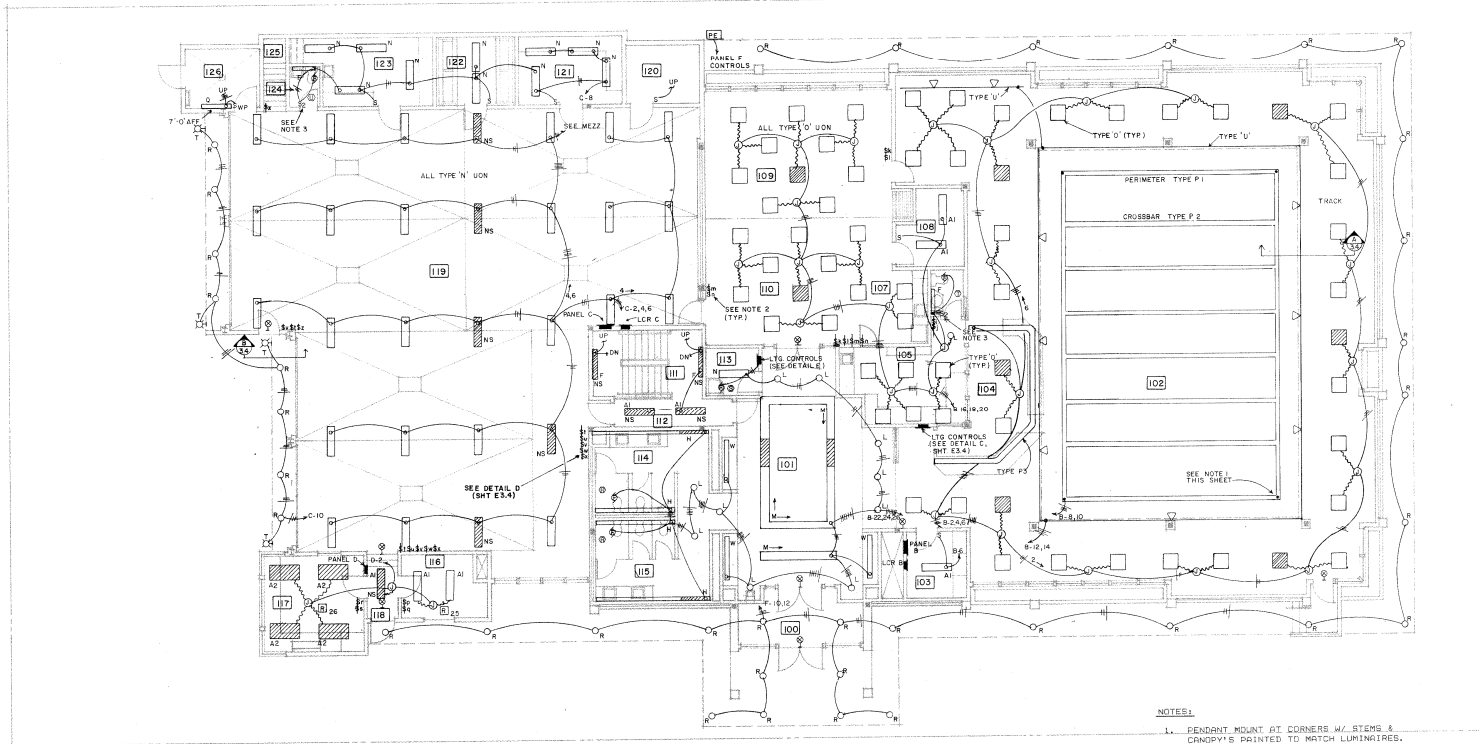
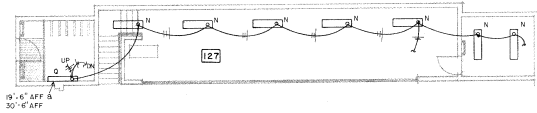


DETAIL Y - APPARATUS BAY LIGHTING SCHEME
 NTS



DETAIL X - EXTERIOR LIGHTING SCHEME
 NTS

SS: JTB, 5/6/11 OF-3.1
 BCC: JTB-1 BA-Z/L OF-3.1



- NOTES:
1. PENDANT MOUNT AT CORNERS W/ STEMS & CRODYS PRINTED TO MATCH LUMINAIRES. UTILIZE STEMS FOR POWER CONNECTIONS AS REQUIRED. PROVIDE THE REPAIRING LUMINAIRE SUPPORT W/ AIRCRAFT CABLE PER MANUFACTURERS DIRECTION.
 2. UTILIZE SINGLE GROUND PLATE FOR DOUBLE LOW VOLTAGE SWITCHES. (TYP.)
 3. CONNECT EXHAUST FAN TO OPERATE WHEN LIGHTS 'ON'.

850 TB-1
 DA-22 OE-32
 DA-22 OE-32

NO.	DATE	REVISIONS



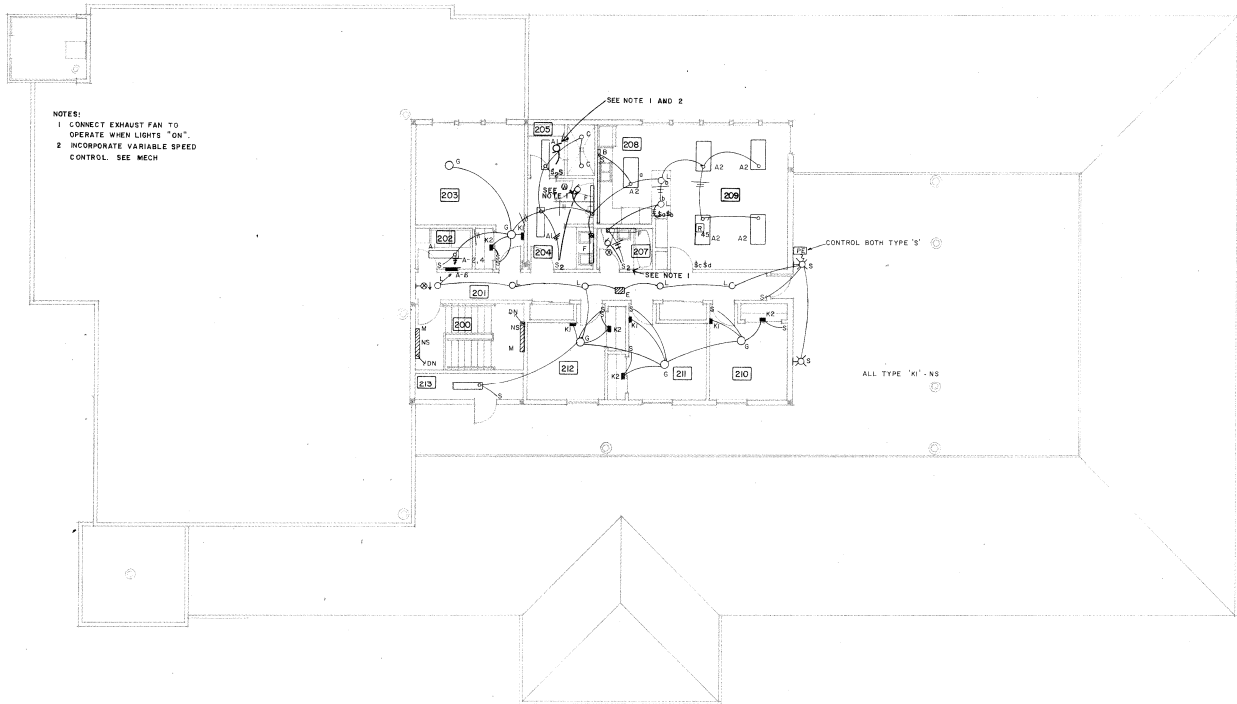
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 Juneau, Alaska 99801
 907/586-1371

Douglas Fire Station and Library
 Douglas, Alaska
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MAIN FLOOR LIGHTING

JANUARY 20, 1986
 DATE
 SS, PL, TC
 DRAWN
 BCH
 CHKD
 DWG NO.

E3.2



NOTES:
 1. CONNECT EXHAUST FAN TO OPERATE WHEN LIGHTS "ON".
 2. INCORPORATE VARIABLE SPEED CONTROL. SEE MECH.

SEE NOTE 1 AND 2

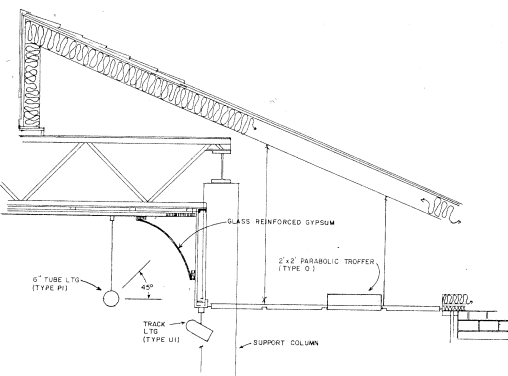
CONTROL BOTH TYPE 'X'

SEE NOTE 1

ALL TYPE "X1" - NS

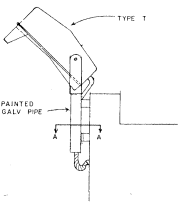
REVISIONS	NO.	DATE
<h1 style="margin: 0;">MRF</h1> <p style="margin: 0; font-size: small;">MUNICH • RITTER • FORREST ARCHITECTS 800 Glacier Avenue, Suite A Juneau, Alaska 99801 907/586-1371</p>		
<h2 style="margin: 0;">Douglas Fire Station and Library</h2> <p style="margin: 0; font-size: small;">Douglas, Alaska CITY AND BOROUGH OF JUNEAU ALASKA</p>		
UPPER FLOOR LIGHTING		
JANUARY 20, 1988		
DATE	SS, PL, TC	
DRAWN	BCH	
CHKD.		
DWG. NO.	<h3 style="margin: 0;">E3.3</h3>	

05/1 TB-1 BM-2.3 OE-3.3
 05/1 TB-1 BM-2.3 OE-3.3



MOUNTING DETAIL A - TUBE & TRACK LIGHTING

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

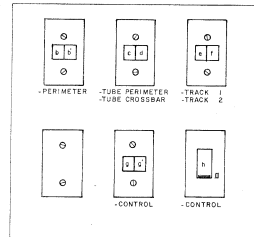


SECTION A-A

SCALE = 2" = 1'-0"

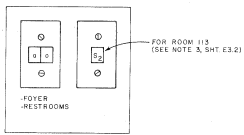
MOUNTING DETAIL B - TYPE T LUMINAIRE

SCALE = 1" = 1'-0"



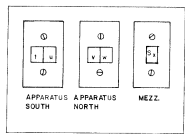
DETAIL C - LIBRARY LIGHTING CONTROLS

NTS



DETAIL E - LIGHTING CONTROLS ROOM 113

NTS



DETAIL D - LIGHTING CONTROLS

NTS

LIGHTING CONTROL SCHEDULE

ROOM NO.	SWITCH NO.	RELAY NO.	POWER DFT. NO.	TIME CLOCK DFT. NO.	NOTES
100 (EXT)	1	1	1	1	USE PE CELL AT NO. 150 FEET PER DETAIL X
101	a	3	B-2	2	TYPE M
102	b	4, 5, 6	B-2, 4, 6		TYPE G - ON/OFF TYPE D - STEP DIM 'ON/OFF'
	c	7	B-9		TYPE P1 - PERIMETER
	d	8	B-10		TYPE P2 - CROSSBAR
	e	10	B-12		TRACK Ckt. NO. 2
	f	11	B-14		TRACK Ckt. NO. 2
103	f	11	B-14		TYPE J
104	g	12	B-4		TYPE D - ON/OFF TYPE D - STEP DIM 'ON/OFF'
	h		B-4		
105	i	14	B-16		'ON/OFF' STEP-DIM 'ON/OFF'
106	h	13	B-16		
107			B-18		1SWITCH W/ RM 110
108	h	13	B-16		
109	k	15	B-20		'ON/OFF' STEP-DIM 'ON/OFF'
110	l	16	B-18		'ON/OFF' STEP-DIM 'ON/OFF'
111	m	17	B-14		
112	n	18	B-14		
113	o	19	B-20		
114	o	17, 18	B-20		'ON/OFF' FOR 20-45 MIN.
115	q	20	B-20		
116	q	21	B-20		
117	r	22	B-20		
118	r	23	B-20		
119	s	24, 25	B-20		
120	s	26, 27	B-20		
120	t	30, 31	B-20		'ON/OFF' STEP-DIM 'ON/OFF' SEE DETAIL Y
120	u	32, 33	B-20		
120	v	34, 35	B-20		'ON/OFF' STEP-DIM 'ON/OFF' SEE DETAIL Y
	w	36, 37	B-20		
120	x		B-6		
121	z		B-2		
122	aa		B-6		
123	ab		B-6		
124	ac		B-6		
125	ad	38	B-2		
126	ae		B-6		
EXY	z	39, 40	B-10	4	SEE DETAIL X
200	ns		B-14		
201	ns		B-6		
202	ns		B-6		
203	ns		B-2		
204	ns		B-2		
205/206	ns		B-2		
207	ns		B-2		
208	a		B-4		TYPE B2 TYPE L
209	b	40	B-4		'ON/OFF' STEP-DIM 'ON/OFF'
210	cs		B-6		
211	cs		B-6		
212	cs		B-6		
213	cs		B-6		
ROOF	cs		B-6		1SWITCH IN SERIES WITH PE CELL
1	a	43, 44	F-6, 8	8	USE PE CELL IN GARAGE PER DETAIL Z, (4) LBS. HB 1SWITCH SERVICES THED FLOOR FOR 30-45 MINUTES.
2	cs		B-6		
3	ns		B-14		
4	cs		B-2		

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	GRADE	REMARKS
A	1 1/2\"/>	LITHONIA H1444-120	(1) 40W FL	
B	1 1/2\"/>	LITHONIA H2244-120	(1) 40W FL	
B1	1 1/2\"/>	HALCO-LITE 3127	(1) 40W FL	MOUNT BENEATH WALL CABINETS & AGAINST WALL
B2	1 1/2\"/>	HALCO-LITE 3137	(1) 30W FL	MOUNT BENEATH WALL CABINETS & AGAINST WALL
C	1 1/2\"/>	HALCO 148-R618	(1) 75W INC	
D	1 1/2\"/>	LITHONIA H2444-120-DL	(2) 40W FL	
E	1 1/2\"/>	LITHONIA E180 - FA		DELETE W/ ADDITIVE ALTERATIONS
F	1 1/2\"/>	LITHONIA H2-140-148-120-DL	(1) 40W FL	WALL MOUNT AT HEIGHTS AS NOTED ON PLANS
G	1 1/2\"/>	LIGHTOLIER 16701	(2) 50W INC	
H	1 1/2\"/>	COLUMBIA AL-18-99	(2) 42W FL	
I	1 1/2\"/>	LIGHTOLIER 120100-16701	(2) 60W INC	
J	1 1/2\"/>	LIGHTOLIER F611V5-INC W/ TCI PROTECTOR	(1) 20W INC	WALL MOUNT AT 34\"/>
K	1 1/2\"/>	DEVINE F611V4-INC W/ TCI REFLECTOR	(1) 50W INC	WALL MOUNT DIRECTLY ABOVE DOOR
L	1 1/2\"/>	FREELOUSE 12047-724V-850- RAPP, F	(1) 75W W/	
M	1 1/2\"/>	LIGHTOLIER 116701	(2) 40W FL	
N	1 1/2\"/>	LITHONIA H2444-120-DL	(1) 40W FL	
P1	1 1/2\"/>	FREELOUSE 12047-724V-850- RAPP, F	(1) 40W FL	PROVIDE W/ 7\"/>
P2	1 1/2\"/>	FREELOUSE 12047-724V-850- RAPP, F	(1) 40W FL	PROVIDE W/ 7\"/>
P3	1 1/2\"/>	FREELOUSE 12047-724V-850- RAPP, F	(1) 40W FL	PROVIDE W/ 7\"/>
Q	1 1/2\"/>	LITHONIA H2444-120-DL	(2) 40W FL	HORIZONTALLY MOUNT ON WALLS AT HEIGHTS PER PLANS. PROVIDE TWO 1/4\"/>
R	1 1/2\"/>	HALCO H2331685-120-41	(1) 35W HPS	
S	1 1/2\"/>	HALOPHANE H2444-120-DL	(1) 50W HPS	MOUNT AT HEIGHTS PER PLANS, PROVIDE ONE W/ 35W LAMP WHERE SHOWN ON PLANS.
T	1 1/2\"/>	HALOPHANE H2444-120-DL	(1) 70W HPS	MOUNT PER DETAIL.
U	1 1/2\"/>	LIGHTING SERVICES, INC.		MOUNT PER DETAIL, CONNECT TO TRACK DIRECTLY WITH FLEX CONDUIT WITHOUT BACKBOX.
V	1 1/2\"/>	LIGHTING SERVICES, INC.	(1) 75W PAR/FX 1128-W	PROVIDE 10 EACH FOR TYPE U TRACK.
W	1 1/2\"/>	LIGHTING SERVICES, INC.		PROVIDE 16 EA
X	1 1/2\"/>	LIGHTING SERVICES, INC.		PROVIDE 16 EA
Y	1 1/2\"/>	LIGHTING SERVICES, INC.		PROVIDE 16 EA
Z	1 1/2\"/>	LIGHTING SERVICES, INC.		PROVIDE 16 EA
AA	1 1/2\"/>	LIGHTING SERVICES, INC.		PROVIDE 16 EA
AB	1 1/2\"/>	LIGHTING SERVICES, INC.		PROVIDE 16 EA
AC	1 1/2\"/>	HALOPHANE H2444-120-DL	(1) 50W HPS	
AD	1 1/2\"/>	COLUMBIA AL-18-75-94	(2) 30W FL	MOUNT AS DIRECTED BY ARCHITECT.
AE	1 1/2\"/>	BRANDON B-120-U-20-85-40		WALL MOUNT ABOVE CENTER OF DOORS, DOWN FROM 1\"/>

REVISIONS	
NO.	DATE

MRF

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300 Glacier Avenue Suite A
Juneau, Alaska 99801

Douglas Fire Station
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CITY AND BOROUGH OF JUNEAU ALASKA
MRF NO. 8501

SHEET TITLE
LUMINAIRE SCHEDULE
LIGHTING CONTROL
SCHEDULE/LIGHTING
DETAILS

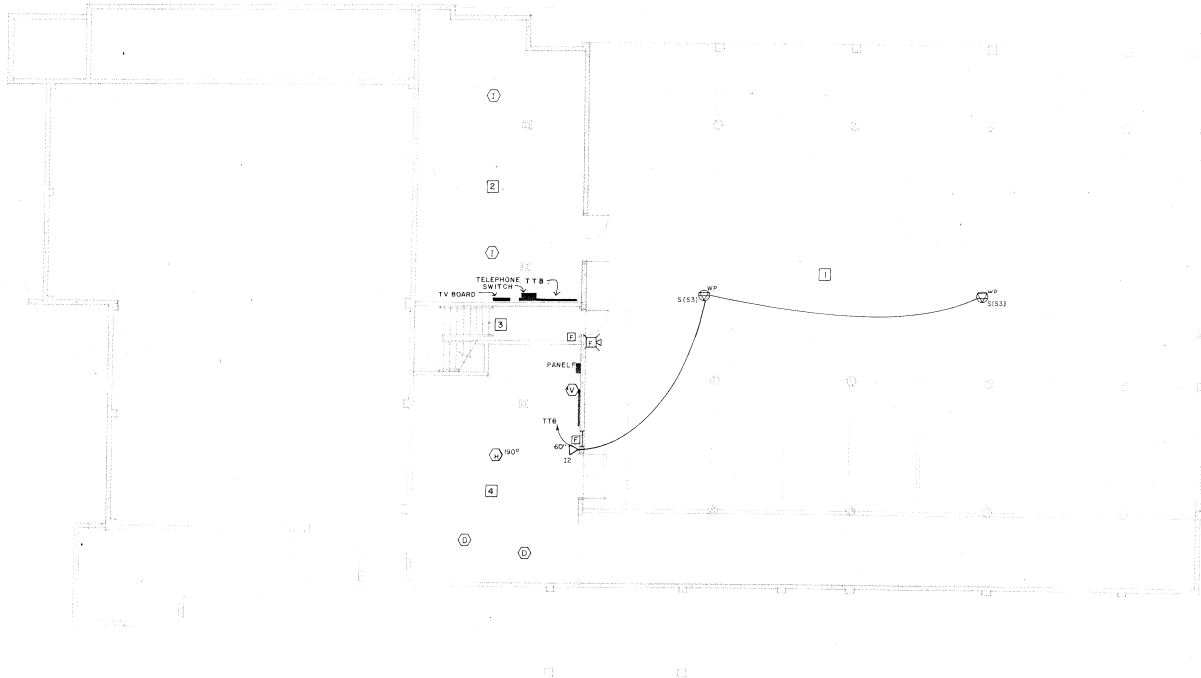
DATE JANUARY 20, 1986

DRAWN SS, PL, TC

CHKD. BCH

DWG. NO.

E3.4



TELEPHONE & TV SERVICE ENTRANCES
(SEE RISER DIAGRAMS)

NO.	DATE	REVISIONS

R. C. BAIGER

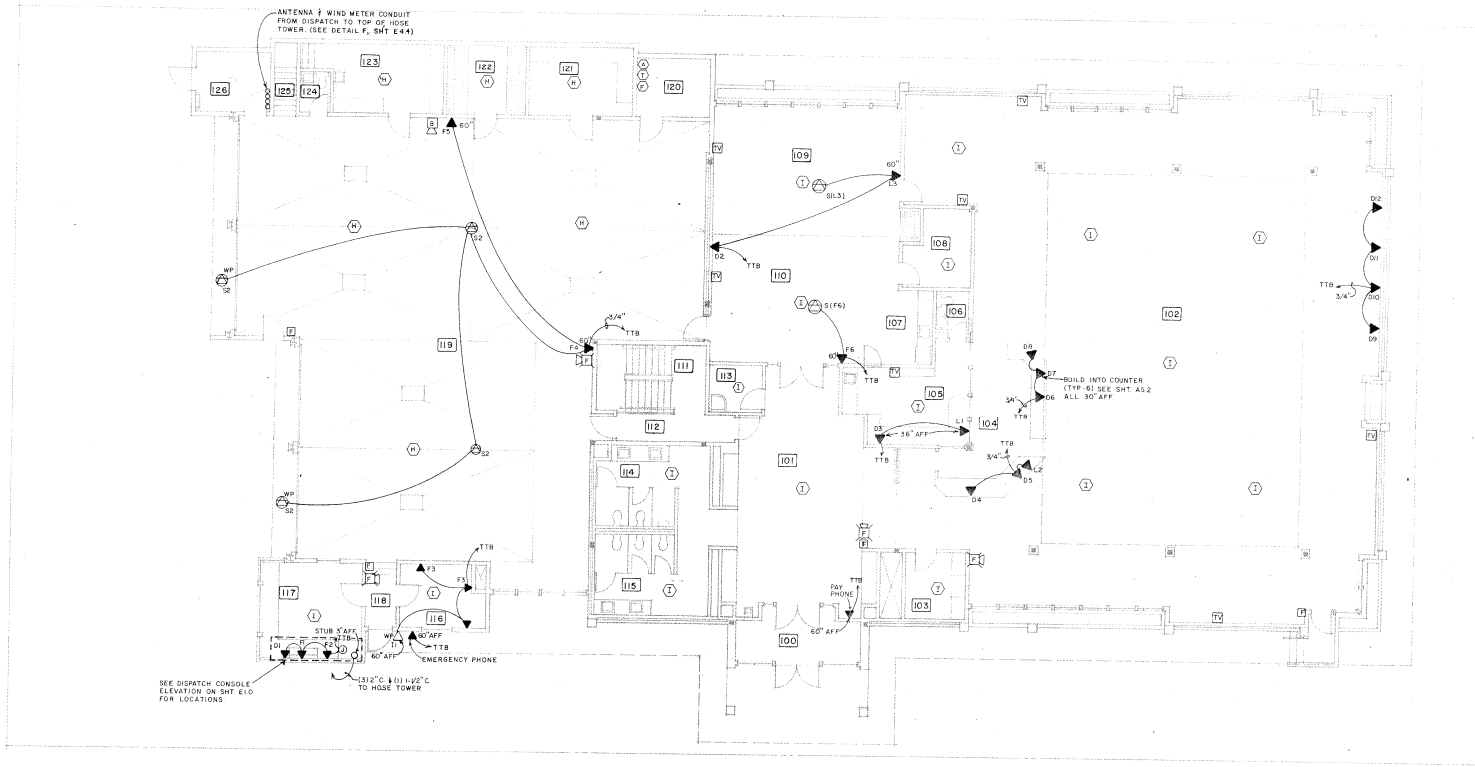
MRF

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800. Garner Avenue Suite A
Juneau, Alaska 99801
907.586.1371



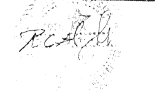
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Douglas, Alaska
CITY AND BOROUGH OF JUNEAU ALASKA

SHEET 11
LOWER FLOOR SIGNAL



NOTE:
 1. USE ALL LONG RADIUS SWEEPS
 FOR CONDUIT CONTAINING ANTENNA
 LEADS.

NO.	DATE	REVISIONS



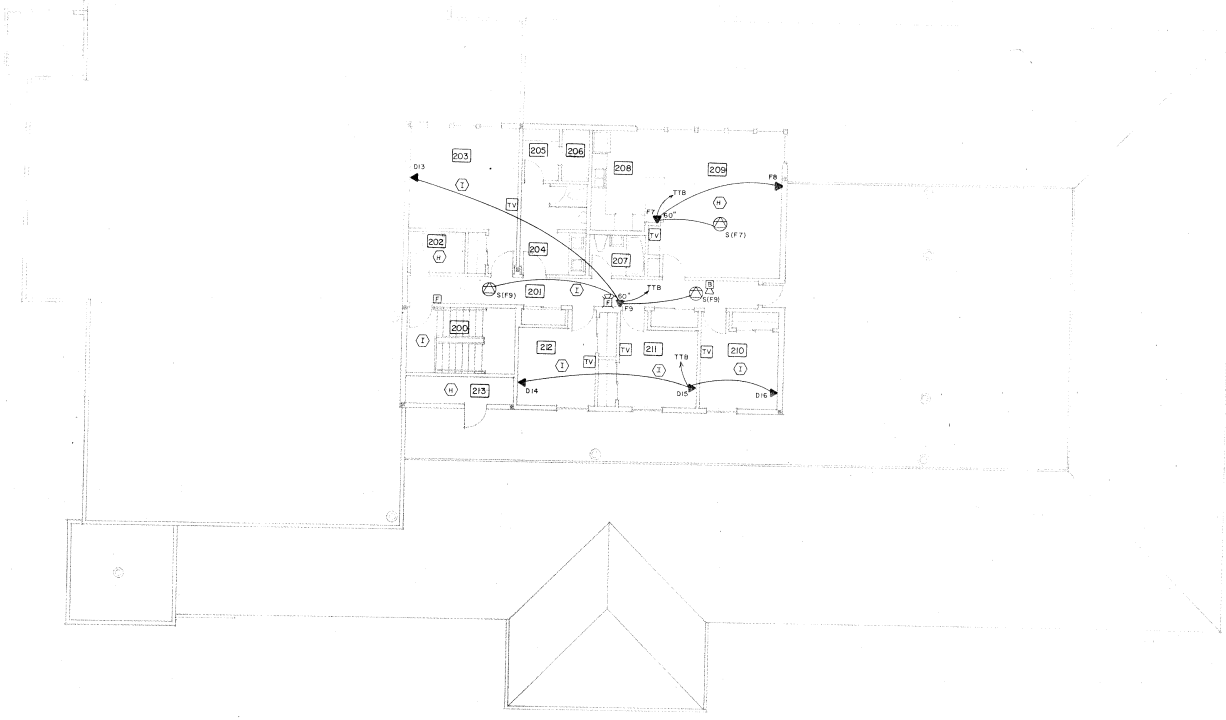
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 Suite A
 800 Glacier Avenue
 Juneau, Alaska 99801
 907-586-1371



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SWEET TITLE	
MAIN FLOOR SIGNAL	
JANUARY 20, 1988	
DATE	SS, PL, TC
DRAWN	BCH
CHKD.	
DWG. NO.	E4.2

10-1 04.2.3 01-4.3



NO.	DATE	REVISIONS



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 CITY AND BOROUGH OF JUNEAU ALASKA

SHEET TITLE
 UPPER FLOOR SIGNAL

DATE
 JANUARY 20, 1996
 DRAWN
 SS, PL, TC
 BCH
 CHKD.

DWG NO.
E4.3