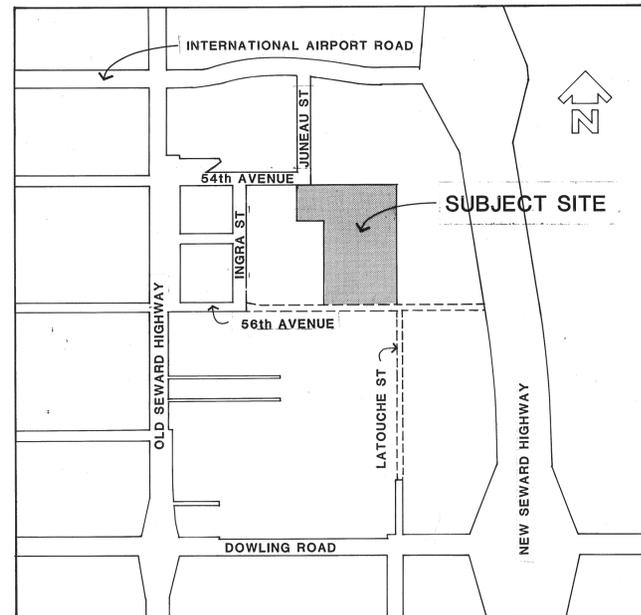


REFUSE EQUIPMENT WARM STORAGE BUILDING

FOR THE

MUNICIPALITY OF ANCHORAGE

PROJECT NO. 80-E-92



VICINITY MAP



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CARLIN WILLIAMS · ARCHITECT
 CIVIL ENGINEER · DOWL ENGINEERS
 STRUCTURAL ENGINEER · FRANKLIN & ALLEN
 MECHANICAL ENGINEER · RAJ BHARGAVA ASSOCIATES
 ELECTRICAL ENGINEER · DAVID B. OLSEN

APPROVED BY:

Tony Knowles

TONY KNOWLES
 MAYOR

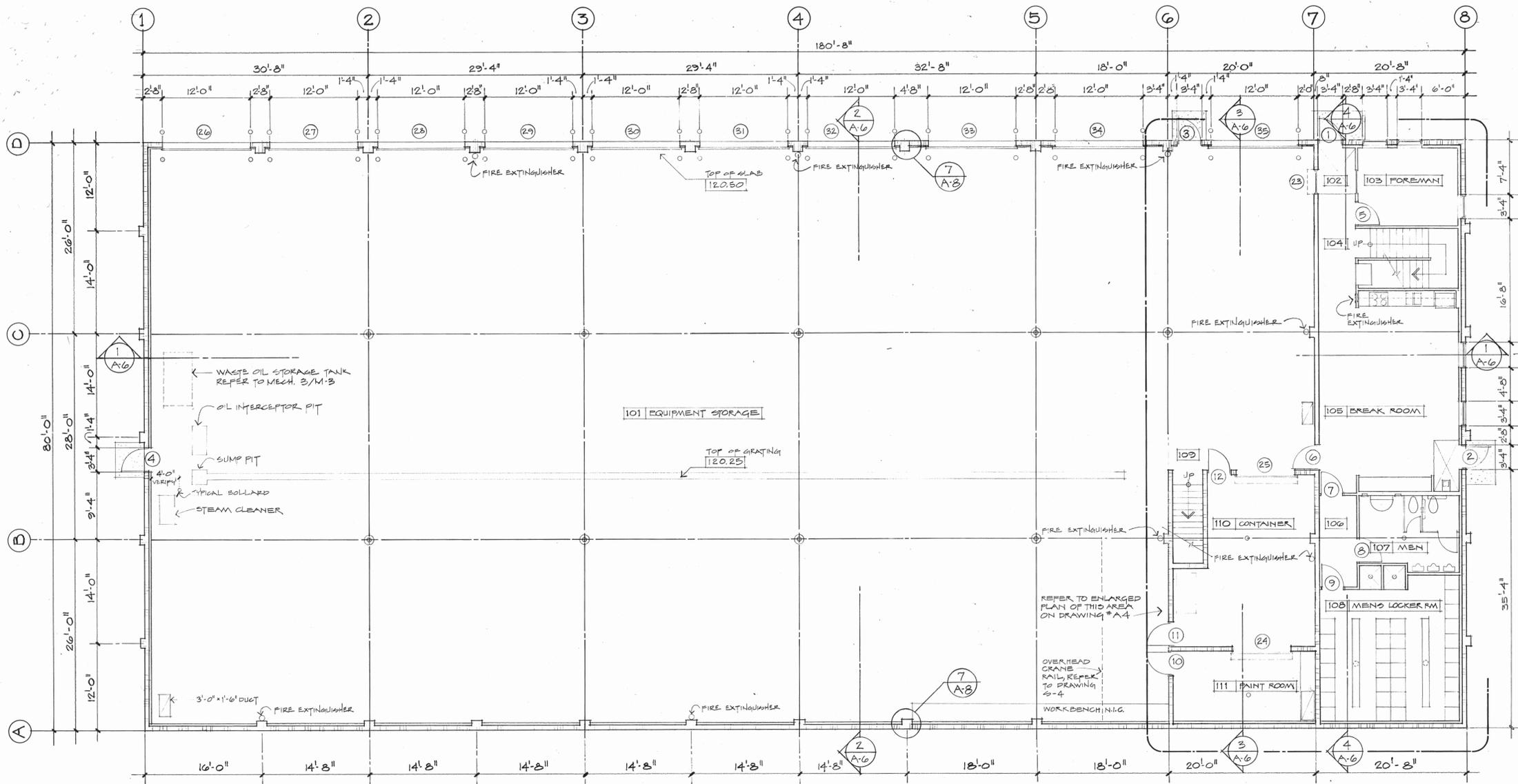
Everett P. Diener

EVERETT P. DIENER
 DIRECTOR OF PUBLIC WORKS

Lee Browning

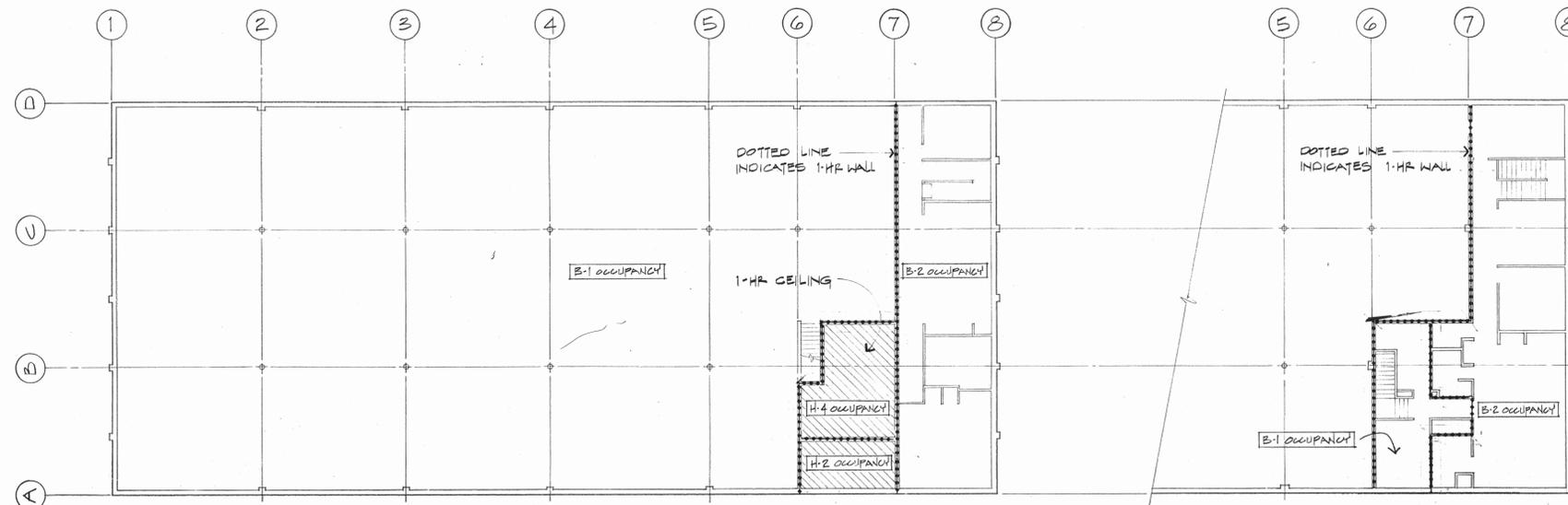
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 MUNICIPAL ENGINEER

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GROUND LEVEL FLOOR PLAN

SCALE 1/8" = 1'-0"



GROUND LEVEL FLOOR PLAN

KEY PLAN - OCCUPANCY GROUP AND OCCUPANCY SEPARATION WALLS

SCALE 1/16" = 1'-0"

MEZZANINE LEVEL FLOOR PLAN

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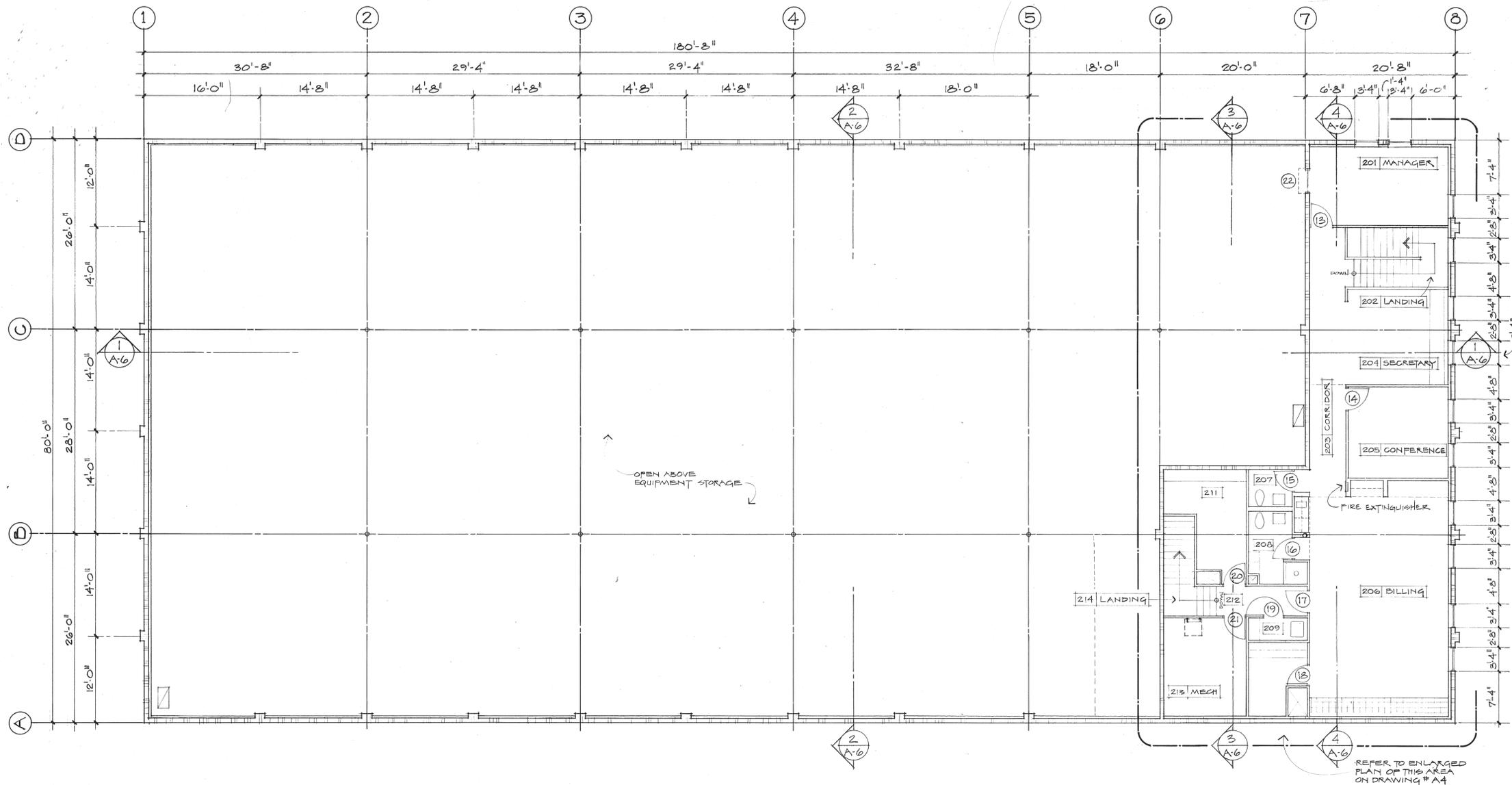
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MEZZANINE LEVEL FLOOR PLAN

SCALE 1/8" = 1'-0"



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(907) 277-8689

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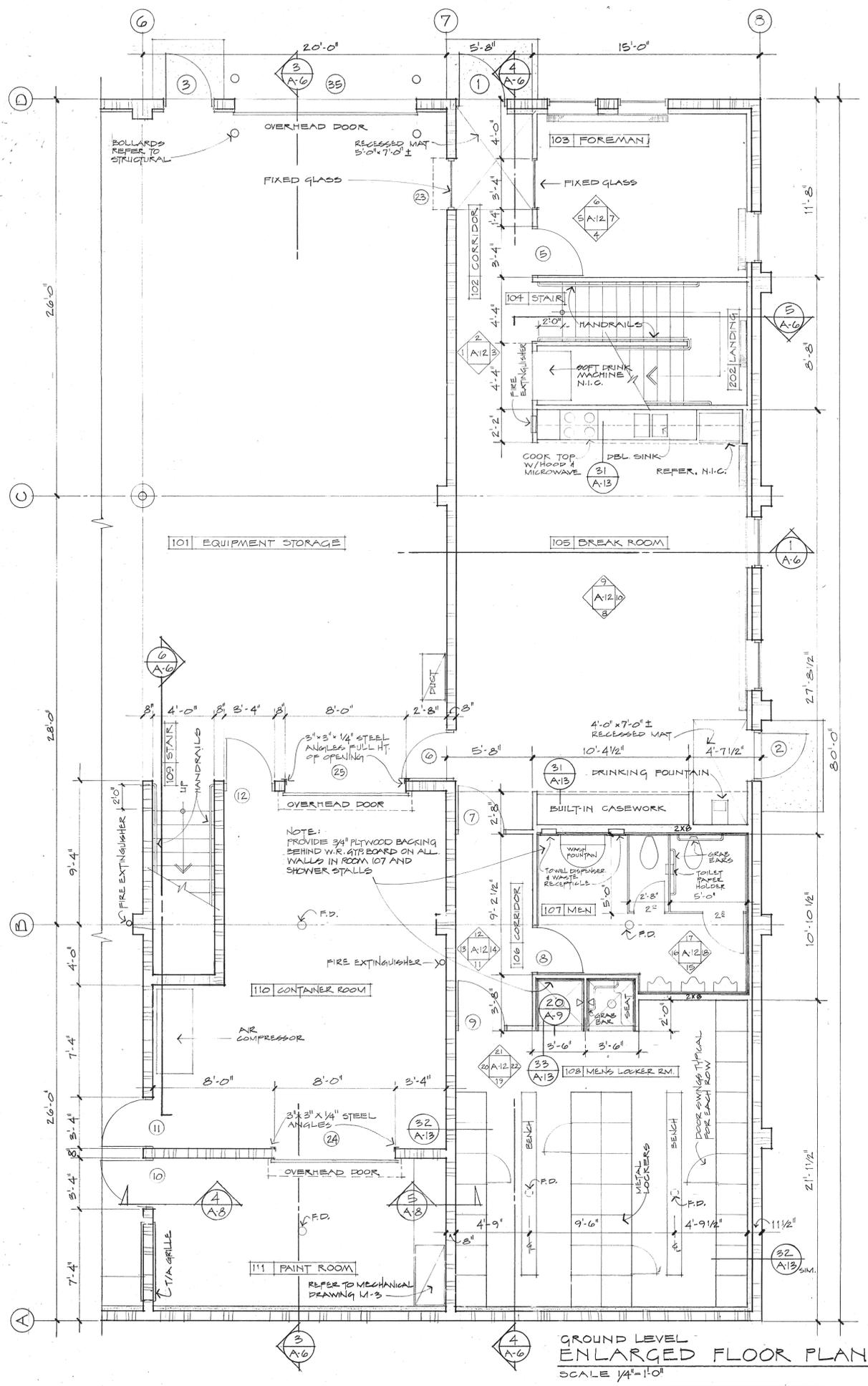
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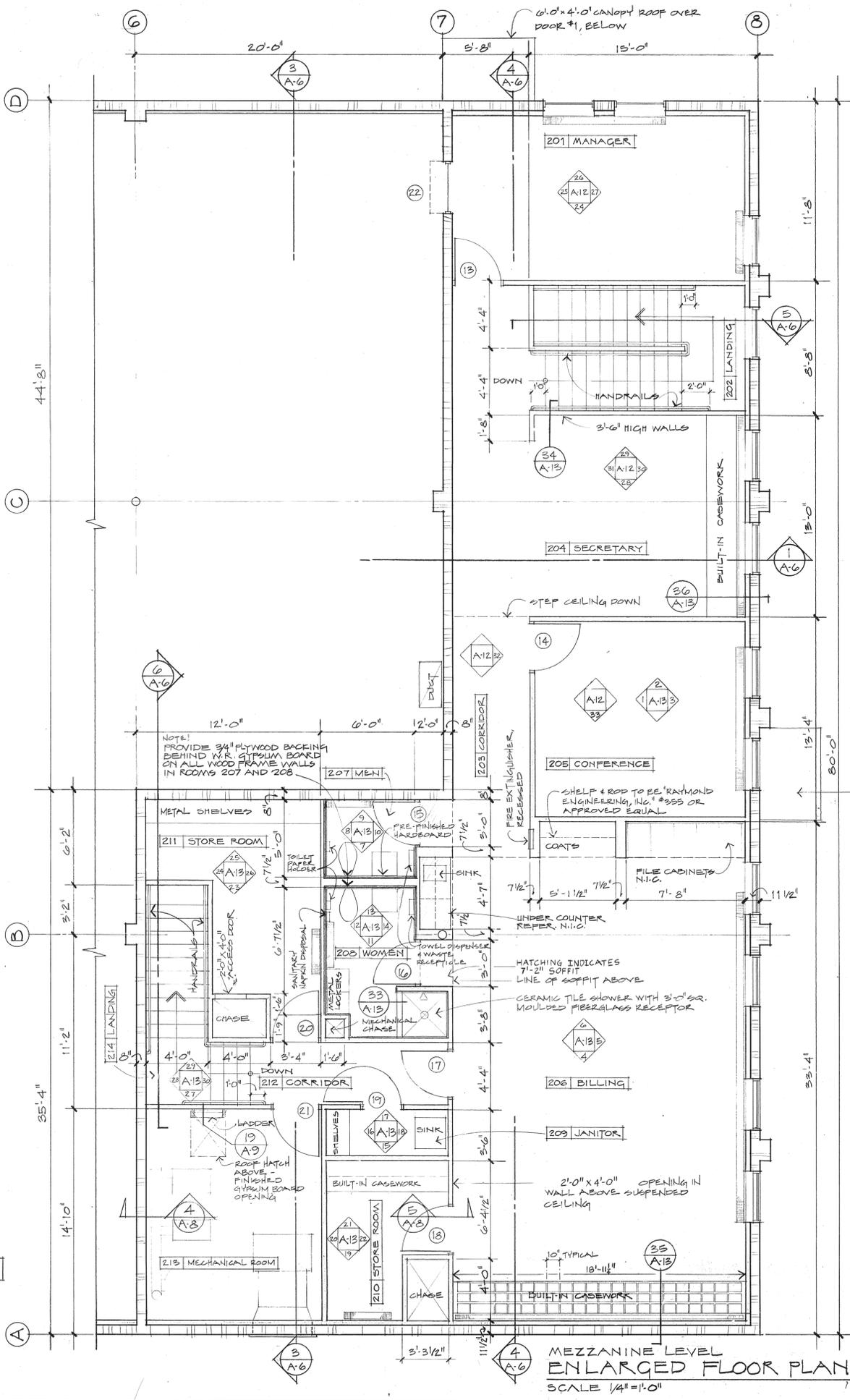
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OF: A-14



GROUND LEVEL ENLARGED FLOOR PLAN
SCALE 1/4" = 1'-0"



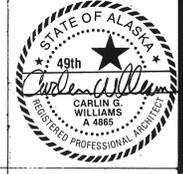
MEZZANINE LEVEL ENLARGED FLOOR PLAN
SCALE 1/4" = 1'-0"

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(907) 277-8689

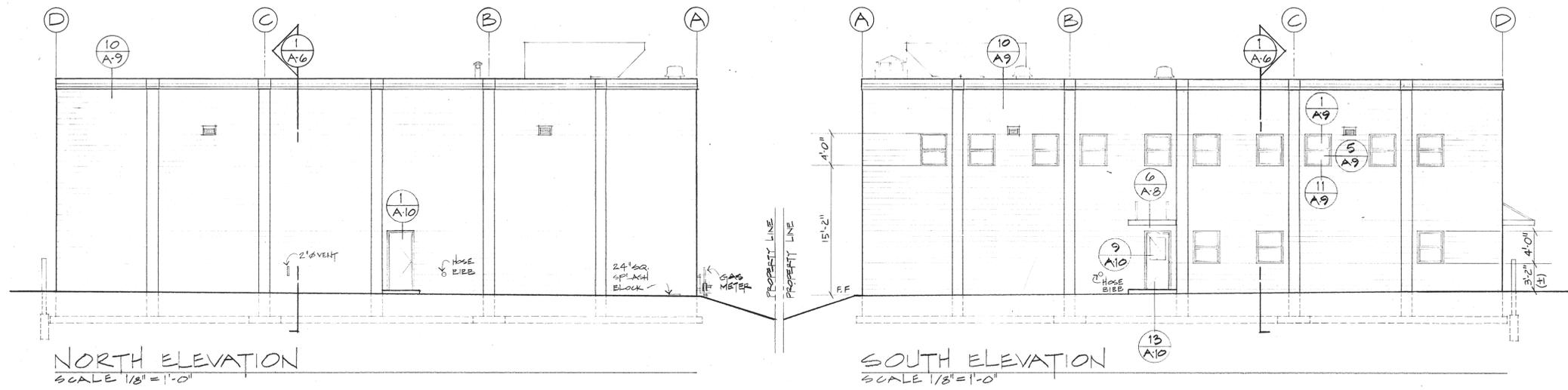
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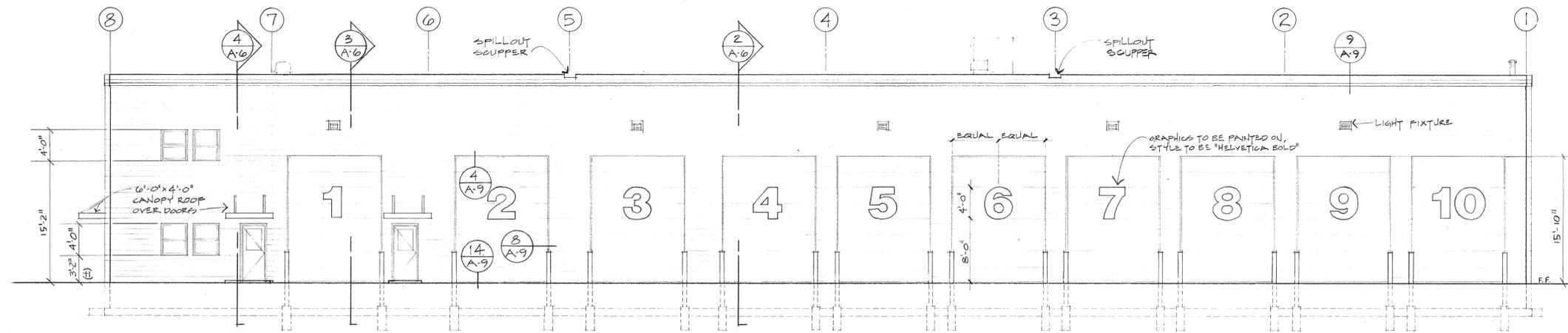
A 4

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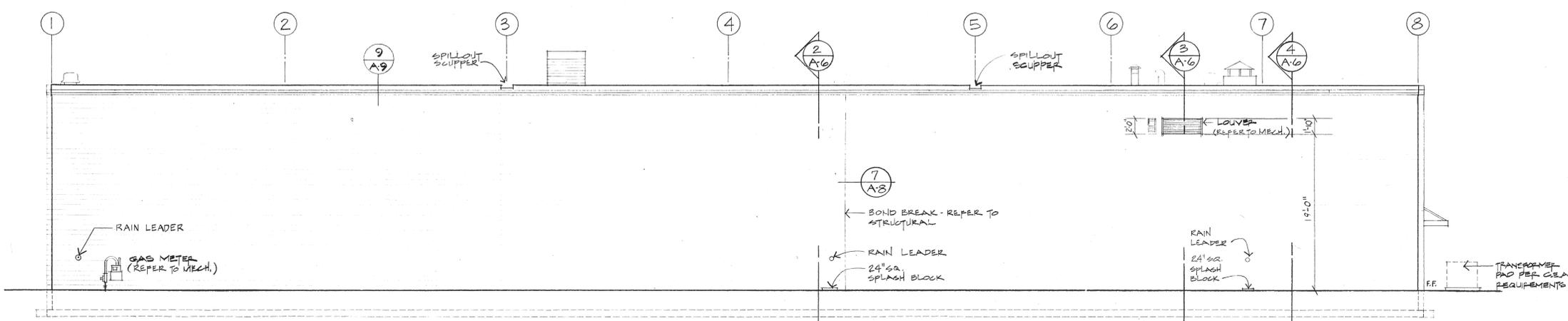


NORTH ELEVATION
SCALE 1/8" = 1'-0"

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



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



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

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(907) 277-8689

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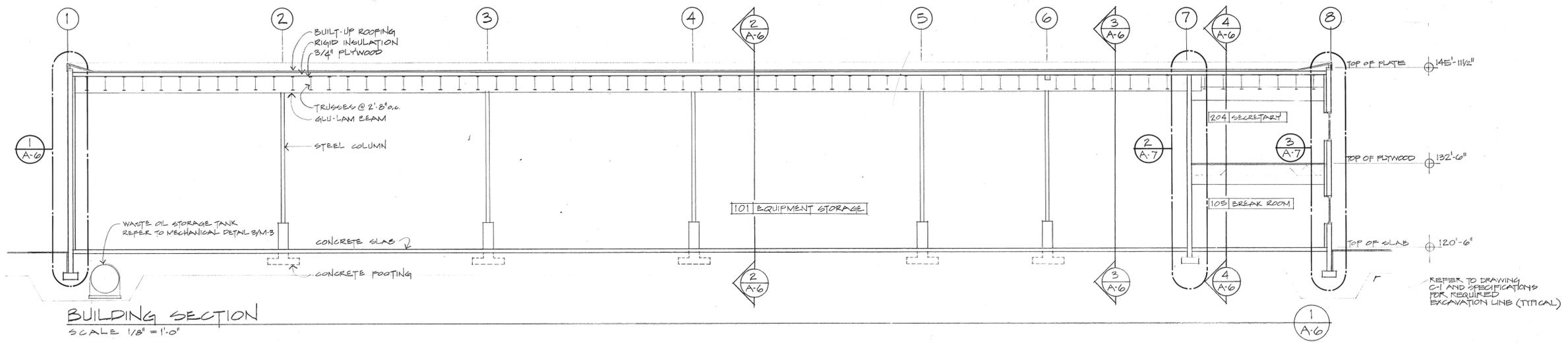


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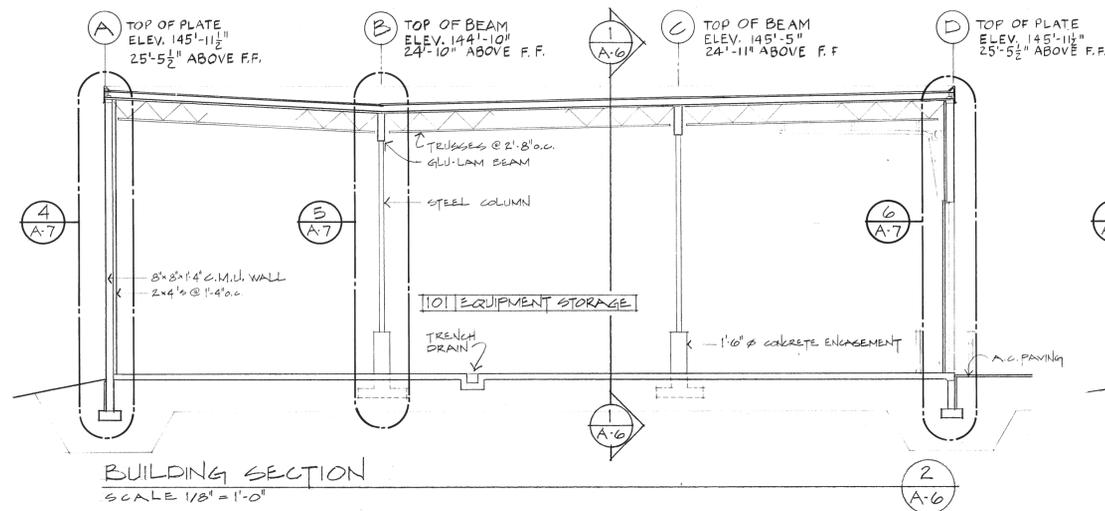
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A5

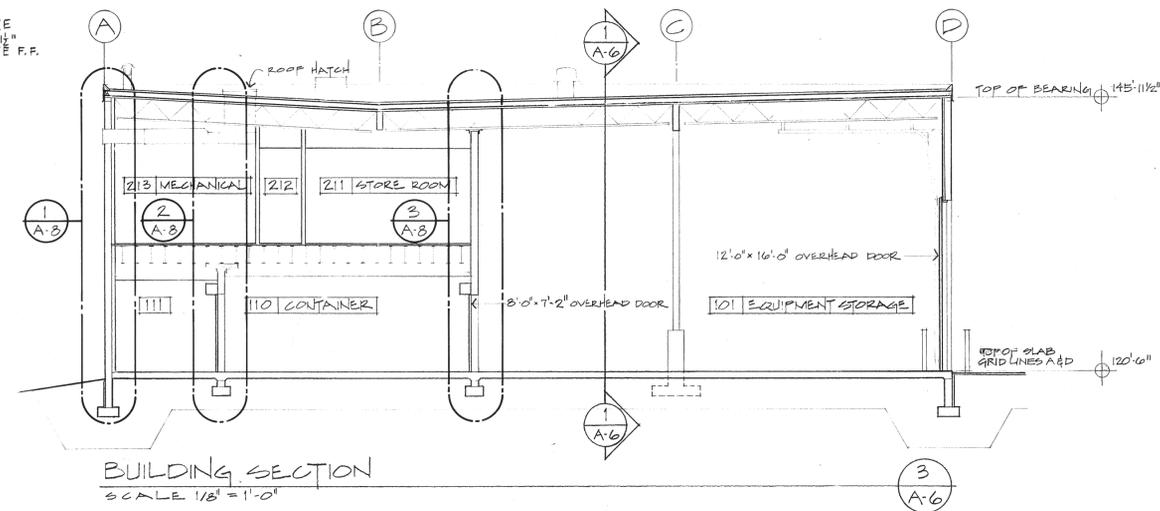
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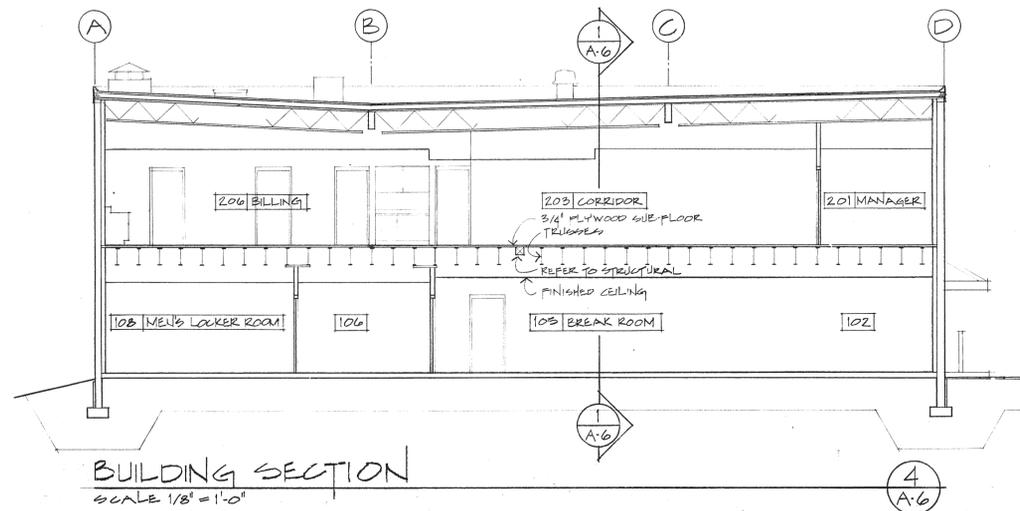
BUILDING SECTION
SCALE 1/8" = 1'-0"



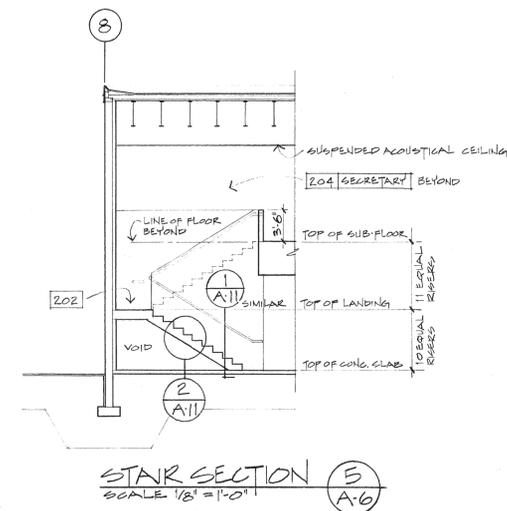
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SCALE 1/8" = 1'-0"



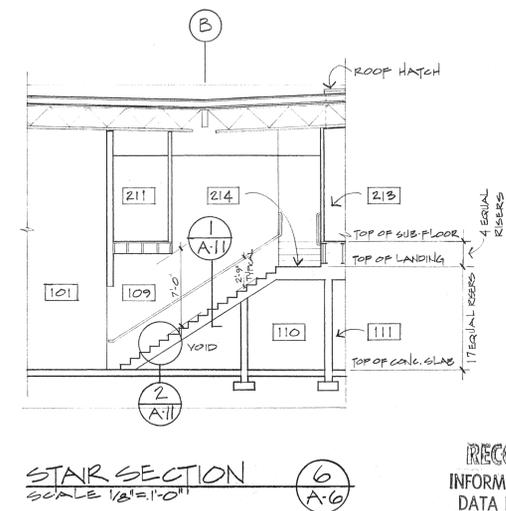
BUILDING SECTION
SCALE 1/8" = 1'-0"



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



STAR SECTION
SCALE 1/8" = 1'-0"



STAR SECTION
SCALE 1/8" = 1'-0"

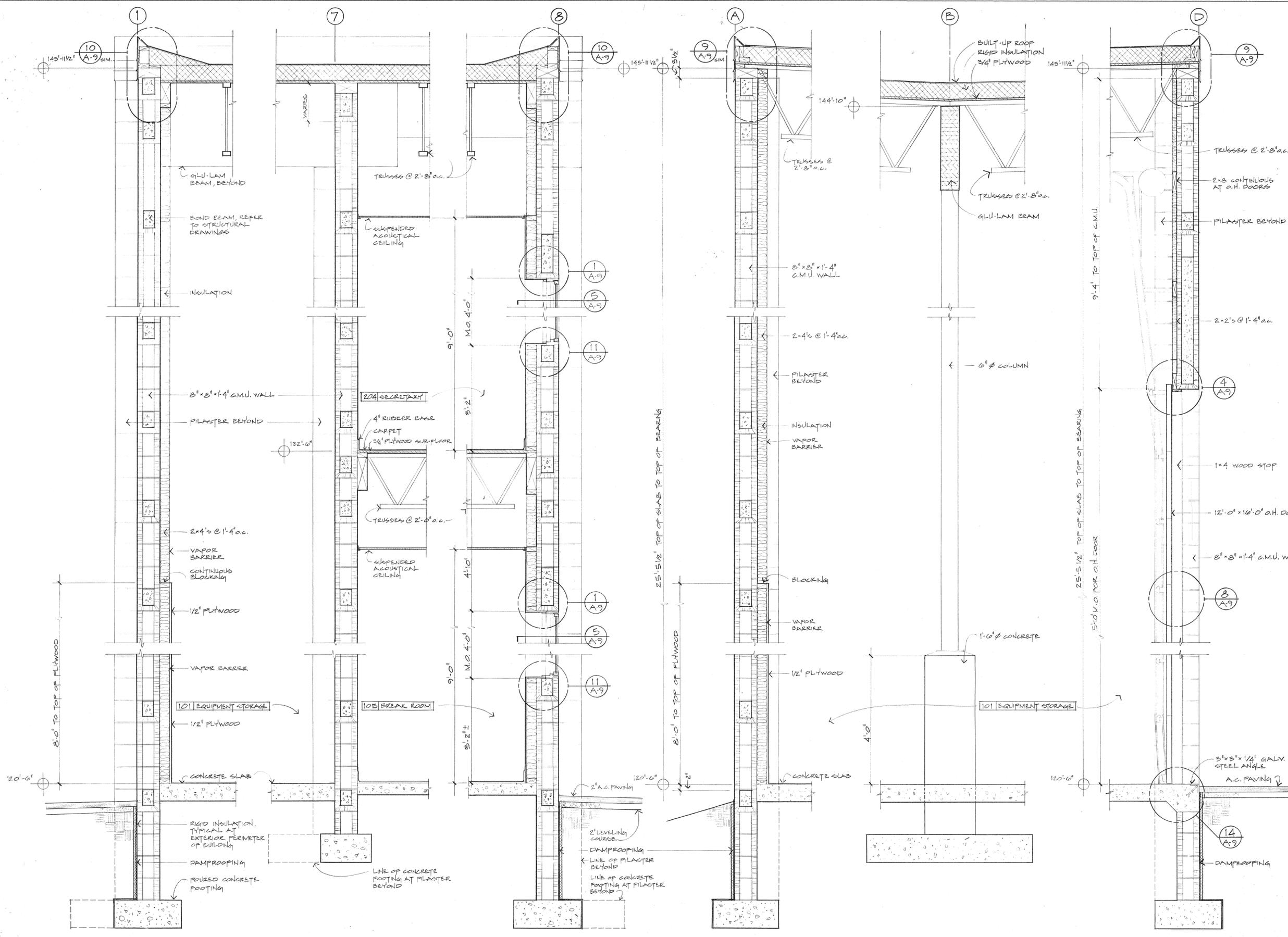
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1107 BUSINESS PARK BLVD
ANCHORAGE, ALASKA 99503
(907) 277-8689

PROJECT	8101	
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DATE	5-6-81	
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	2-19-82	DRAWING
		A 6
		OF: A-14



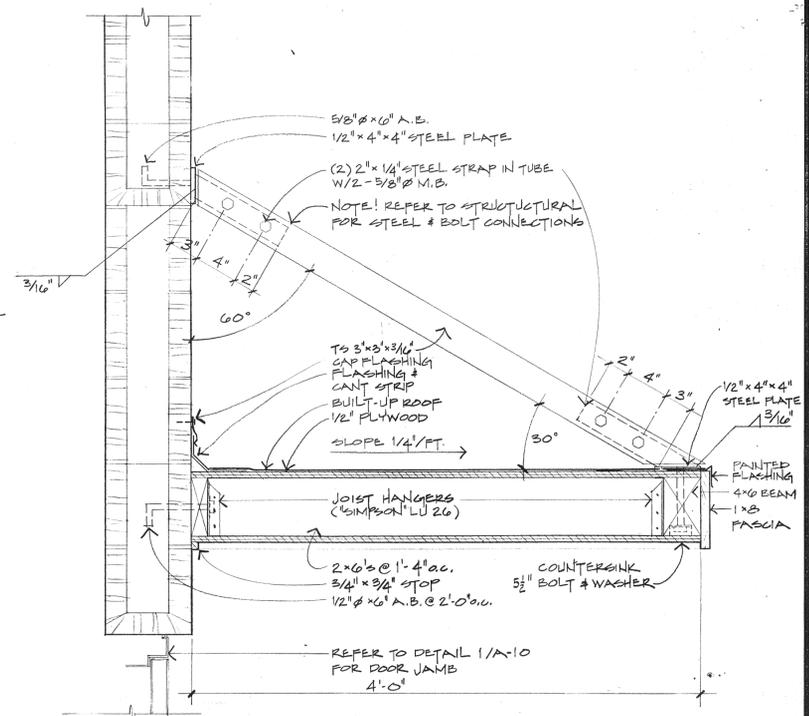
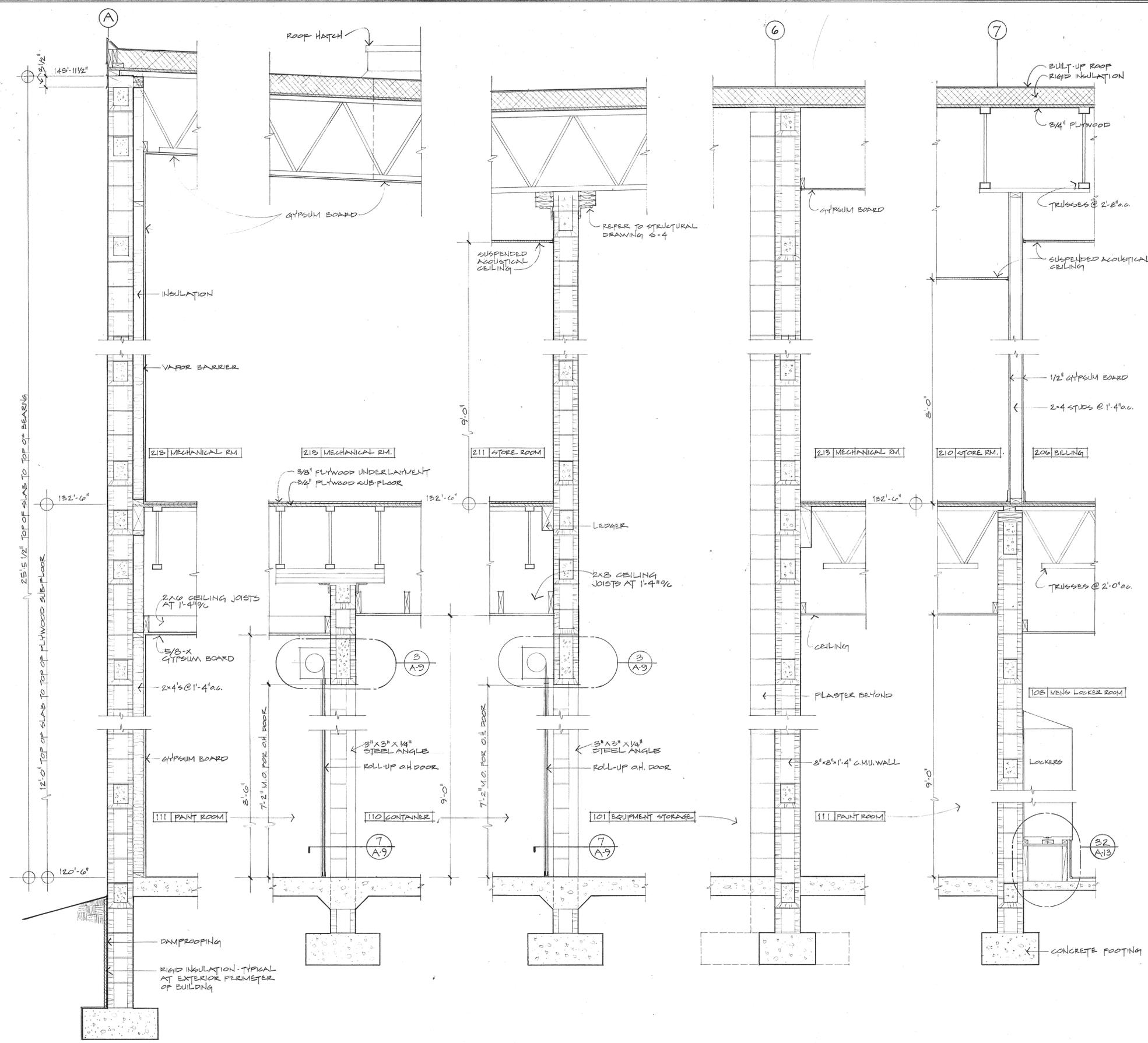
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 ANCHORAGE, ALASKA 99503
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PROJECT	8101	
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DATE	5-6-81	
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2-19-82		DRAWING
A7		OP: A-14

WALL SECTION 1 (A-7) SCALE 3/4"=1'-0"
 WALL SECTION 2 (A-7) SCALE 3/4"=1'-0"
 WALL SECTION 3 (A-7) SCALE 3/4"=1'-0"
 WALL SECTION 4 (A-7) SCALE 3/4"=1'-0"
 WALL SECTION 5 (A-7) SCALE 3/4"=1'-0"
 WALL SECTION 6 (A-7) SCALE 3/4"=1'-0"



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

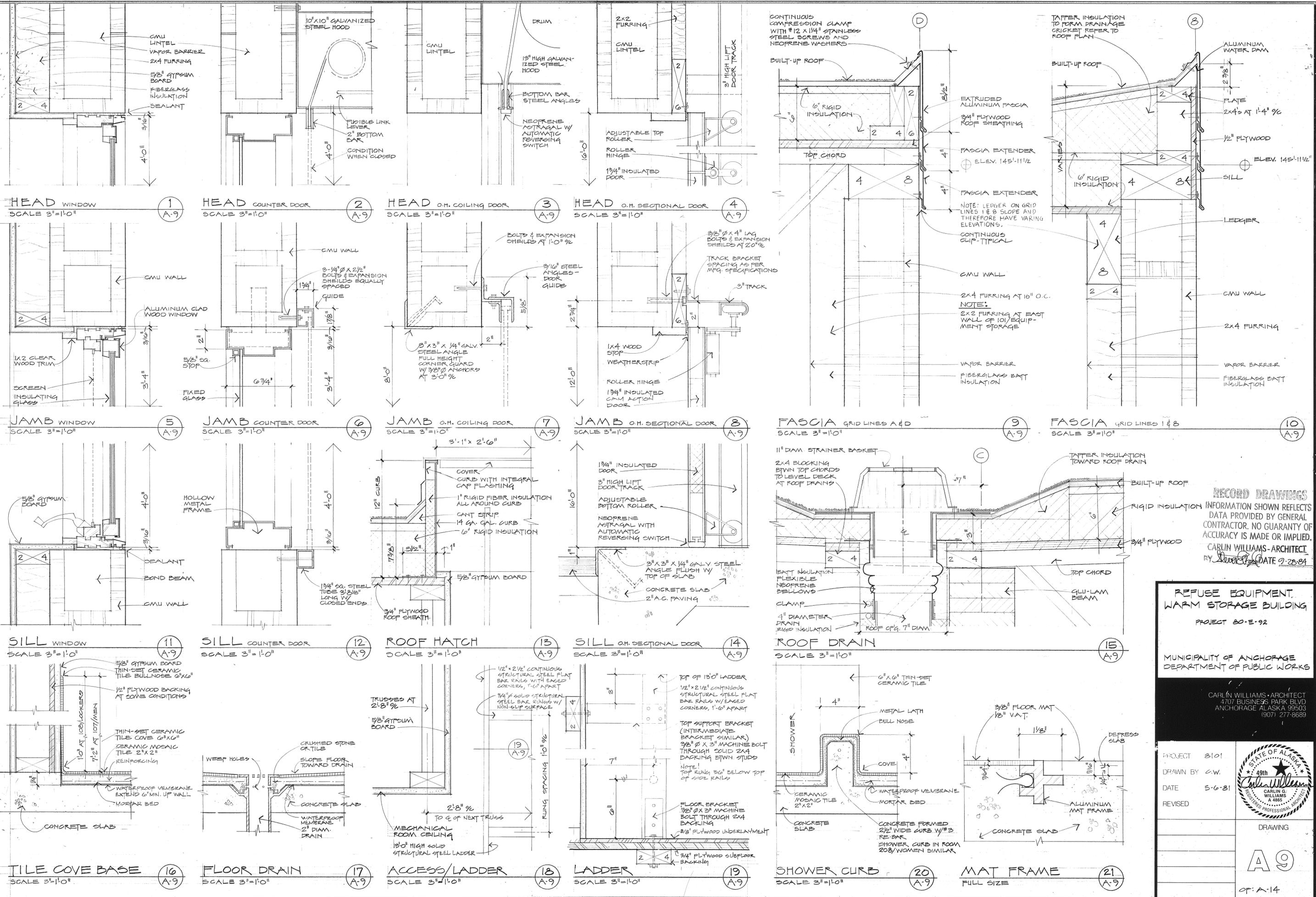
CONTROL JOINT
SCALE 1/2" = 1'-0"

WALL SECTION 1 SCALE 3/4" = 1'-0"
WALL SECTION 2 SCALE 3/4" = 1'-0"
WALL SECTION 3 SCALE 3/4" = 1'-0"
WALL SECTION 4 SCALE 3/4" = 1'-0"
WALL SECTION 5 SCALE 3/4" = 1'-0"

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PROJECT	8101	
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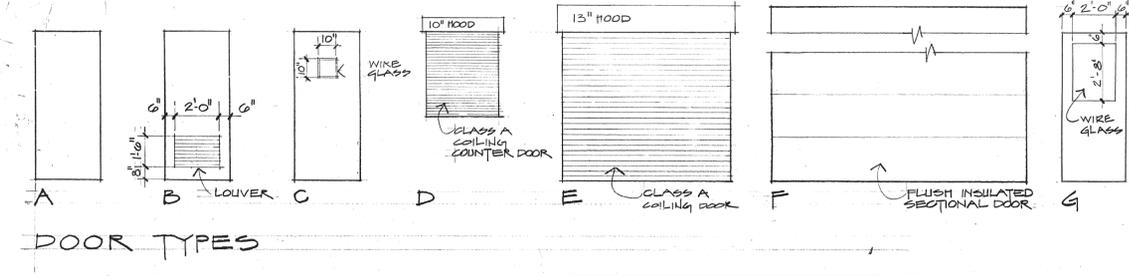
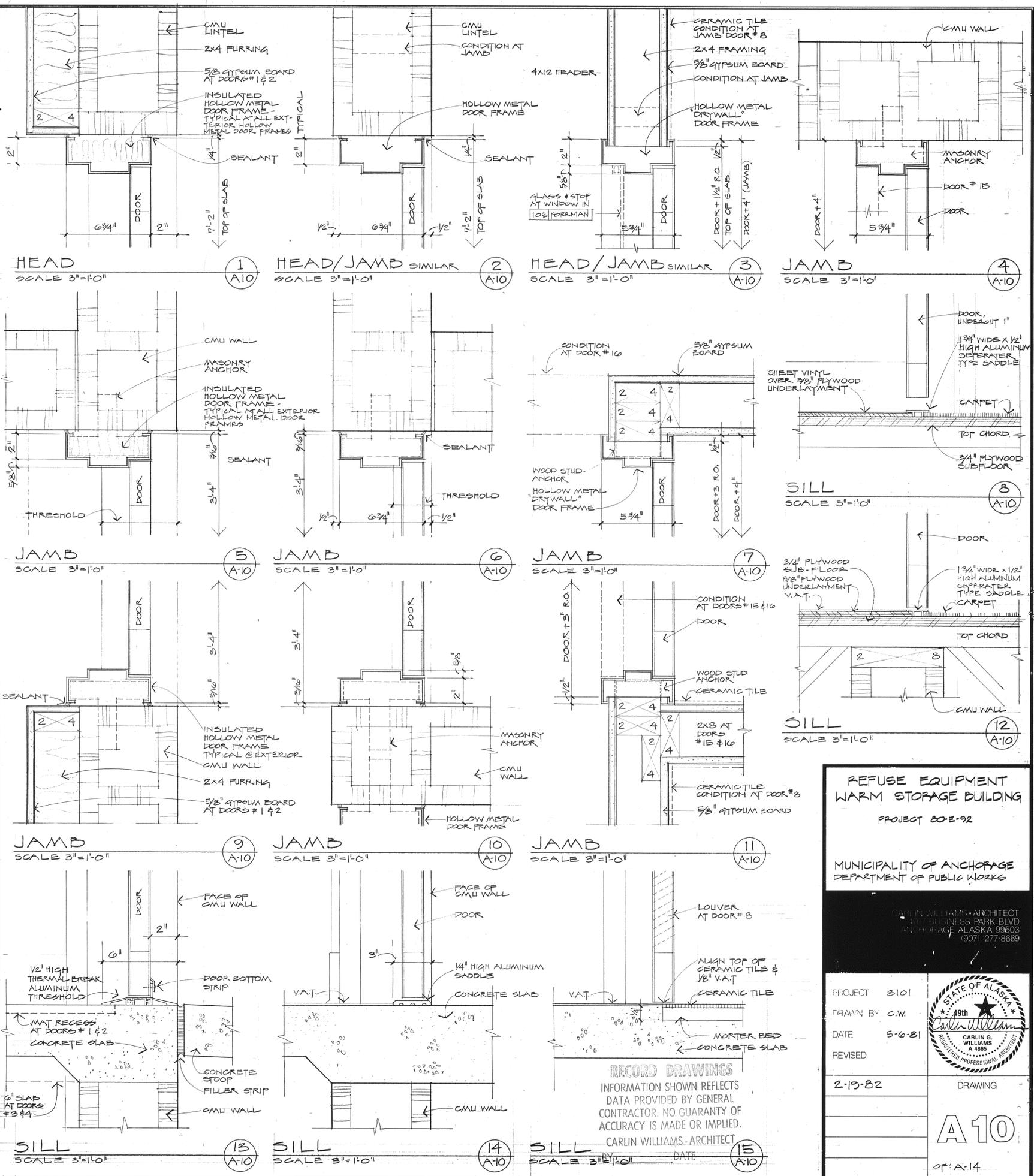
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 4707 BUSINESS PARK BLVD
 ANCHORAGE ALASKA 99503
 (907) 277-8639

PROJECT	8101	
DRAWN BY	C.W.	
DATE	5-6-81	
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OF: A-14		

DOOR SCHEDULE

DOOR NUMBER	DOOR				FRAME				HARDWARE GROUP	REMARKS	
	SIZE	TYPE	MATERIAL	FINISH	SILL DET.	JAMB DET.	HEAD DET.	MATERIAL			FINISH
1	3'-0" x 7'-0" x 1 3/4"	G	METAL	PAINT	13/A-10	5 1/2 9/A-10	1/A-10	METAL	PAINT	1	AUTOMATIC CLOSER INSULATED DOOR & FRAME
2	3'-0" x 7'-0" x 1 3/4"	G	METAL	PAINT	13/A-10	9/A-10	1/A-10	METAL	PAINT	1	AUTOMATIC CLOSER INSULATED DOOR & FRAME
3	3'-0" x 7'-0" x 1 3/4"	G	METAL	PAINT	13/A-10	9/A-10	1/A-10	METAL	PAINT	1	AUTOMATIC CLOSER INSULATED DOOR & FRAME
4	3'-0" x 7'-0" x 1 3/4"	A	METAL	PAINT	13/A-10	9/A-10	1/A-10	METAL	PAINT	1	AUTOMATIC CLOSER INSULATED DOOR & FRAME
5	3'-0" x 7'-0" x 1 3/4"	A	WOOD	STAIN	NO SILL	3 1/2 7/A-10 SIMILAR	3/A-10	METAL	PAINT	2	20 MINUTE RATED DOOR
6	3'-0" x 7'-0" x 1 3/4"	C	METAL	PAINT	14/A-10	2 1/2 6/A-10	2/A-10	METAL	PAINT	3	AUTOMATIC CLOSER 1-HOUR RATED DOOR & FRAME
7	3'-0" x 7'-0" x 1 3/4"	B	WOOD	STAIN	NO SILL	3 1/2 4/A-10	3/A-10	METAL	PAINT	4	AUTOMATIC CLOSER
8	3'-0" x 7'-0" x 1 3/4"	B	WOOD	STAIN	15/A-10	3 1/2 11/A-10	3/A-10	METAL	PAINT	5	AUTOMATIC CLOSER
9	3'-0" x 7'-0" x 1 3/4"	A	WOOD	STAIN	15/A-10	3 1/2 4/A-10	3/A-10	METAL	PAINT	4	AUTOMATIC CLOSER
10	3'-0" x 7'-0" x 1 3/4"	A	METAL	PAINT	NO SILL	2 1/2 10/A-10	2/A-10	METAL	PAINT	3	AUTOMATIC CLOSER 1-HOUR RATED DOOR & FRAME
11	3'-0" x 7'-0" x 1 3/4"	A	METAL	PAINT	NO SILL	2 1/2 10/A-10	2/A-10	METAL	PAINT	3	AUTOMATIC CLOSER 1-HOUR RATED DOOR & FRAME
12	3'-0" x 7'-0" x 1 3/4"	A	METAL	PAINT	NO SILL	2 1/2 10/A-10	2/A-10	METAL	PAINT	3	AUTOMATIC CLOSER 1-HOUR RATED DOOR & FRAME
13	3'-0" x 7'-0" x 1 3/4"	A	WOOD	STAIN	NO SILL	3 1/2 4/A-10	3/A-10	METAL	PAINT	6	INSULATE FRAME
14	3'-0" x 7'-0" x 1 3/4"	A	WOOD	STAIN	NO SILL	3 1/2 7/A-10	3/A-10	METAL	PAINT	6	INSULATE FRAME
15	2'-8" x 7'-0" x 1 3/4"	A	WOOD	STAIN	8/A-10	4 1/2 11/A-10	3/A-10	METAL	PAINT	7	INSULATE FRAME, UNDERCUT 1"
16	2'-8" x 7'-0" x 1 3/4"	A	WOOD	STAIN	8/A-10	7 1/2 11/A-10 SIMILAR	3/A-10	METAL	PAINT	8	INSULATE FRAME, UNDERCUT 1"
17	3'-0" x 7'-0" x 1 3/4"	A	WOOD	STAIN	12/A-10	3/A-10	3/A-10	METAL	PAINT	3	AUTOMATIC CLOSER 1-HOUR RATED DOOR & FRAME
18	3'-0" x 7'-0" x 1 3/4"	A	WOOD	STAIN	NO SILL	3/A-10	3/A-10	METAL	PAINT	6	UNDERCUT 1"
19	2'-8" x 7'-0" x 1 3/4"	A	WOOD	STAIN	NO SILL	3/A-10	3/A-10	METAL	PAINT	9	AUTOMATIC CLOSER 1-HOUR RATED DOOR
20	3'-0" x 7'-0" x 1 3/4"	A	WOOD	STAIN	NO SILL	11/A-10	3/A-10	METAL	PAINT	2	AUTOMATIC CLOSER 1-HOUR RATED DOOR
21	3'-0" x 7'-0" x 1 3/4"	A	WOOD	STAIN	NO SILL	3 1/2 11/A-10 SIMILAR	3/A-10	METAL	PAINT	10	AUTOMATIC CLOSER 1-HOUR RATED DOOR
22	3'-4" x 4'-0" x 20 GA.	D	METAL	PAINT	12/A-9	6/A-9	2/A-9	METAL	PAINT	11	CLASS A DOOR FUSIBLE LINK ACTIVATED
23	3'-4" x 4'-0" x 20 GA.	D	METAL	PAINT	12/A-9	6/A-9	2/A-9	METAL	PAINT	11	CLASS A DOOR FUSIBLE LINK ACTIVATED
24	3'-0" x 7'-2" x 20 GA.	E	METAL	PAINT	-	7/A-9	3/A-9	METAL	PAINT	11	FUSIBLE LINK ACTIVATED REFER TO MECH & ELEC. DRAWINGS FOR SPECIAL REQ'S
25	3'-0" x 7'-2" x 20 GA.	E	METAL	PAINT	-	7/A-9	3/A-9	METAL	PAINT	11	CLASS A DOOR FUSIBLE LINK ACTIVATED
26	12'-0" x 16'-0" x 1 3/4"	F	WOOD	PAINT	14/A-9	8/A-9	4/A-9	METAL	GALVANIZE	11	INSULATED DOOR SECTIONS
27											
28											
29											
30											
31											
32											
33											
34											
35											



REFUSE EQUIPMENT
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PROJECT 80-E-92
MUNICIPALITY OF ANCHORAGE
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CARLIN WILLIAMS ARCHITECT
100 BUSINESS PARK BLVD
ANCHORAGE ALASKA 99503
(907) 277-8889

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2-19-82

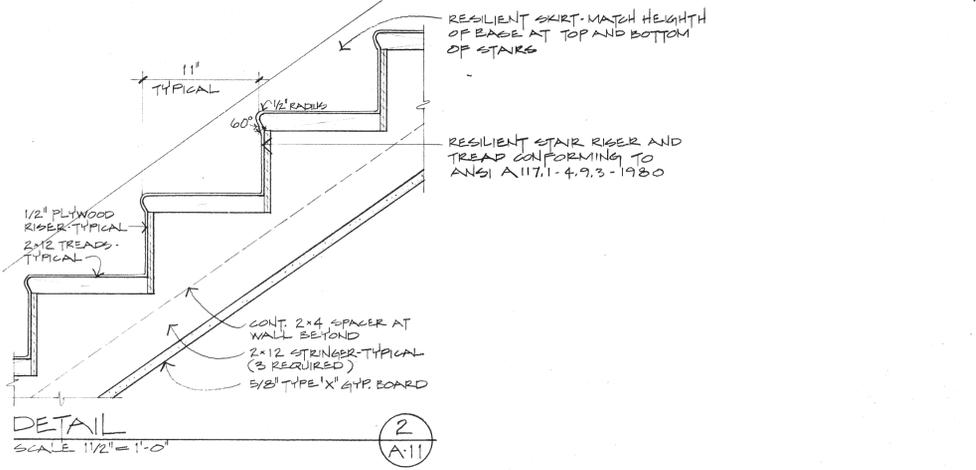
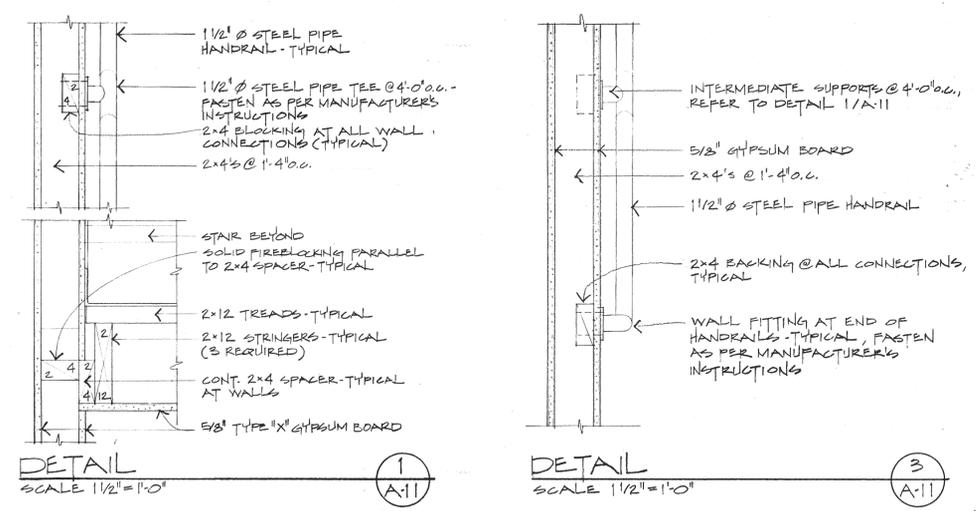
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19th
CARLIN G. WILLIAMS
A 4885
REGISTERED PROFESSIONAL ARCHITECT

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INTERIOR FINISH SCHEDULE

ROOM NO.	ROOM	FLOOR		BASE		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		CEILING HEIGHT	REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH		
101	EQUIPMENT STORAGE	CONCRETE	CHEMICAL HARDENER			1/2" PLYWOOD	STAIN	1/2" PLYWOOD	STAIN	CMU	PAINT	1/2" PLYWOOD	STAIN	EXPOSED STRUCTURE	STAIN	22'-0" MIN.	1/2" PLYWOOD WAINSCOT 8'-0" HIGH EXPOSED FURRING & INSUL. ABOVE
102	CORRIDOR	MAT	V.A.T.	FACTORY	RUBBER	FACTORY		CMU	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	9'-0"	REFER TO ENTRY MAT DETAIL 21/A.9
103	FOREMAN	V.A.T.		FACTORY	RUBBER	FACTORY		GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	9'-0"	
104	STAIR	PERFORMED RUBBER		FACTORY	RUBBER	FACTORY		GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	VARIES	BASE TO BE MANUFACTURER'S STANDARD RUBBER STAIR SKIRT KIT
105	BREAKROOM	V.A.T.		FACTORY	RUBBER	FACTORY		CMU	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	9'-0"	
106	CORRIDOR	V.A.T.		FACTORY	RUBBER	FACTORY		CMU	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	8'-6"	
107	MEN	CERAMIC MOSAIC		FACTORY	CERAMIC TILE COVE	FACTORY		CERAMIC TILE	FACTORY	CERAMIC TILE	FACTORY	CERAMIC TILE	FACTORY	GYPSEUM BOARD	PAINT	8'-6"	CERAMIC TILE WAINSCOT ALL WALLS TO 7'-2", PAINTED GYPSEUM BR ABOVE
108	MEN'S LOCKER ROOM	CERAMIC MOSAIC		FACTORY	CERAMIC TILE COVE	FACTORY		CMU	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	9'-0"	ALL WALLS - 12" TILE BASE. SHOWER FLOOR, WALLS, CEILING - CERAMIC TILE
109	STAIR	PERFORMED RUBBER		FACTORY	RUBBER	FACTORY		CMU	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	VARIES	BASE TO BE MANUFACTURER'S STANDARD RUBBER STAIR SKIRT KIT
110	CONTAINER RM.	CONCRETE	CHEMICAL HARDENER					CMU	PAINT	CMU	PAINT	CMU	PAINT	GYPSEUM BOARD	PAINT	9'-0"	
111	PAINT ROOM	CONCRETE	CHEMICAL HARDENER					CMU	PAINT	CMU	PAINT	CMU	PAINT	GYPSEUM BOARD	PAINT	8'-6"	REFER TO MECHANICAL DRAWINGS FOR CONDITION AT SOUTH WALL
201	MANAGER	CARPET		FACTORY	RUBBER	FACTORY		CMU	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	9'-0"	
202	LANDING	CARPET		FACTORY	RUBBER	FACTORY				GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	15'-3/2"	
203	CORRIDOR	CARPET		FACTORY	RUBBER	FACTORY		CMU	PAINT					SUSPENDED ACOUSTICAL	FACTORY	8'-0"	
204	SECRETARY	CARPET		FACTORY	RUBBER	FACTORY		CMU	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	9'-0"	BUILT-IN CASEWORK ON SOUTH WALL
205	CONFERENCE	CARPET		FACTORY	RUBBER	FACTORY		GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	9'-0"	
206	BILLING	CARPET		FACTORY	RUBBER	FACTORY		GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	9'-0"	BUILT-IN CASEWORK ON WEST WALL
207	MEN	SHEET VINYL		FACTORY	RUBBER	FACTORY		PREFINISHED HARDBOARD	FACTORY	CMU	PAINT	PREFINISHED HARDBOARD	FACTORY	PREFINISHED HARDBOARD	FACTORY	8'-0"	PREFINISHED HARDBOARD TO EXTEND FROM FLOOR TO CEILING
208	WOMEN	SHEET VINYL		FACTORY	RUBBER	FACTORY		PREFINISHED HARDBOARD	FACTORY	PREFINISHED HARDBOARD	FACTORY	PREFINISHED HARDBOARD	FACTORY	PREFINISHED HARDBOARD	FACTORY	8'-0"	PREFINISHED HARDBOARD TO EXTEND FROM FLOOR TO CEILING, SHOWER FLOOR - WALLS - CEILING - CERAMIC TILE
209	JANITOR	SHEET VINYL		FACTORY	RUBBER	FACTORY		GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	8'-0"	BUILT-IN CASEWORK ON NORTH WALL
210	STORE ROOM	CARPET		FACTORY	RUBBER	FACTORY		GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	8'-0"	BUILT-IN CASEWORK ON EAST WALL
211	STORE ROOM	V.A.T.		FACTORY	RUBBER	FACTORY		GYPSEUM BOARD	PAINT	CMU	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	8'-0"	
212	CORRIDOR	V.A.T.		FACTORY	RUBBER	FACTORY				GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	SUSPENDED ACOUSTICAL	FACTORY	8'-0"	
213	MECHANICAL RM.	V.A.T.		FACTORY	RUBBER	FACTORY		CMU	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	GYPSEUM BOARD	PAINT	12'-0" MIN.	
214	LANDING	V.A.T.		FACTORY	RUBBER	FACTORY		CMU	PAINT					SUSPENDED ACOUSTICAL	FACTORY	10'-3/2"	
																	NOTE! ALL WALLS TO RECEIVE CERAMIC TILE WILL HAVE W.R. GYPSEUM BOARD



REFUSE EQUIPMENT WARM STORAGE BUILDING
PROJECT 00-E-92

MUNICIPALITY OF ANCHORAGE
DEPARTMENT OF PUBLIC WORKS

CARLIN WILLIAMS - ARCHITECT
407 BUSINESS PARK BLVD
ANCHORAGE ALASKA 99503
(907) 277-8689

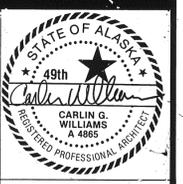
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DRAWN BY P.P.#2H
DATE 5-6-81
REVISED

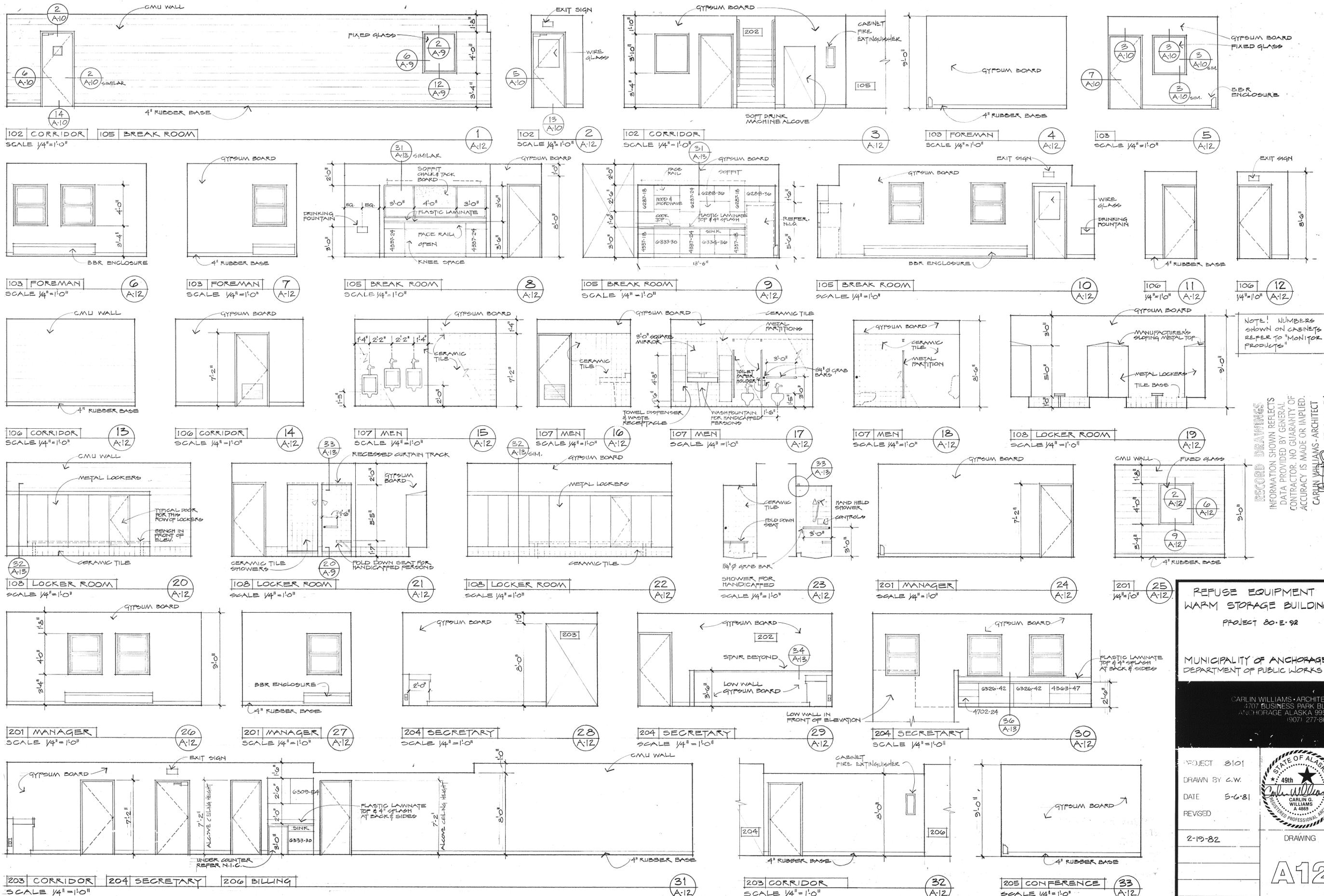
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A 11

DRAWING
OF: A-14

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INFORMATION SHOWN REFLECTS DATA PROVIDED BY GENERAL CONTRACTOR. NO GUARANTY OF ACCURACY IS MADE OR IMPLIED.
CARLIN WILLIAMS - ARCHITECT
DATE 9-28-89





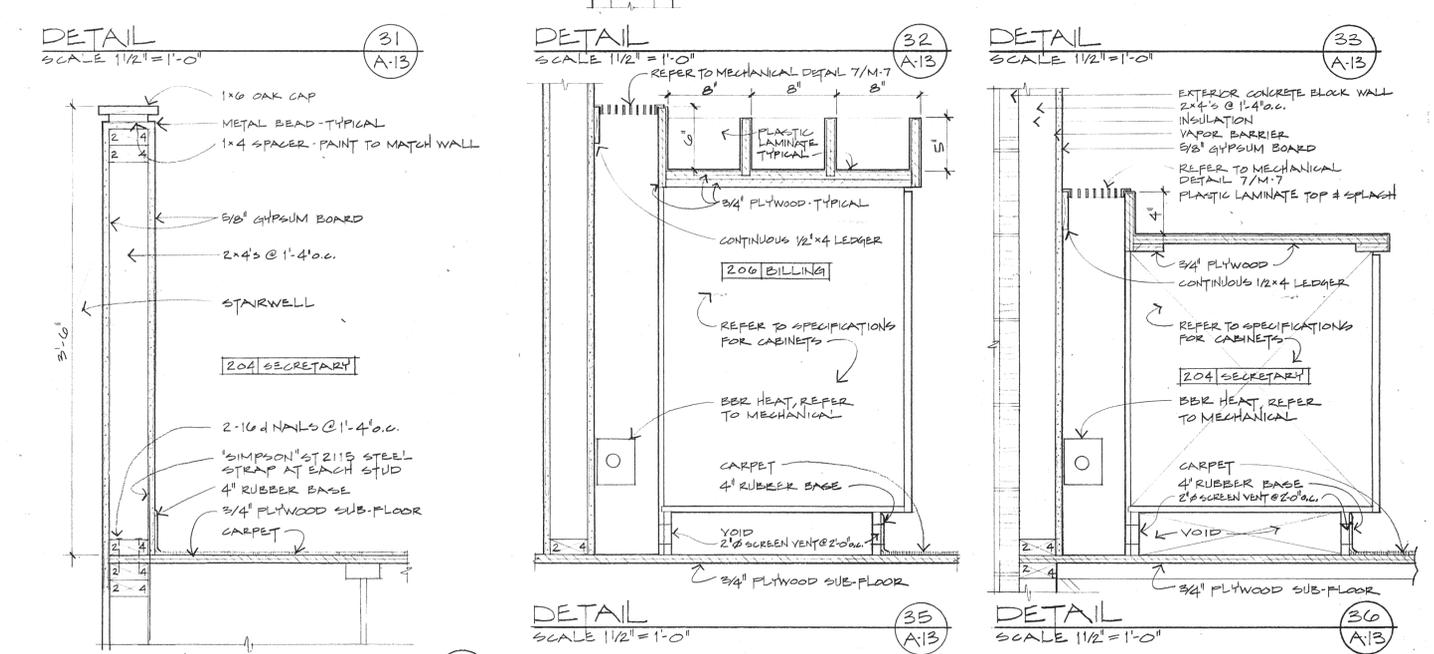
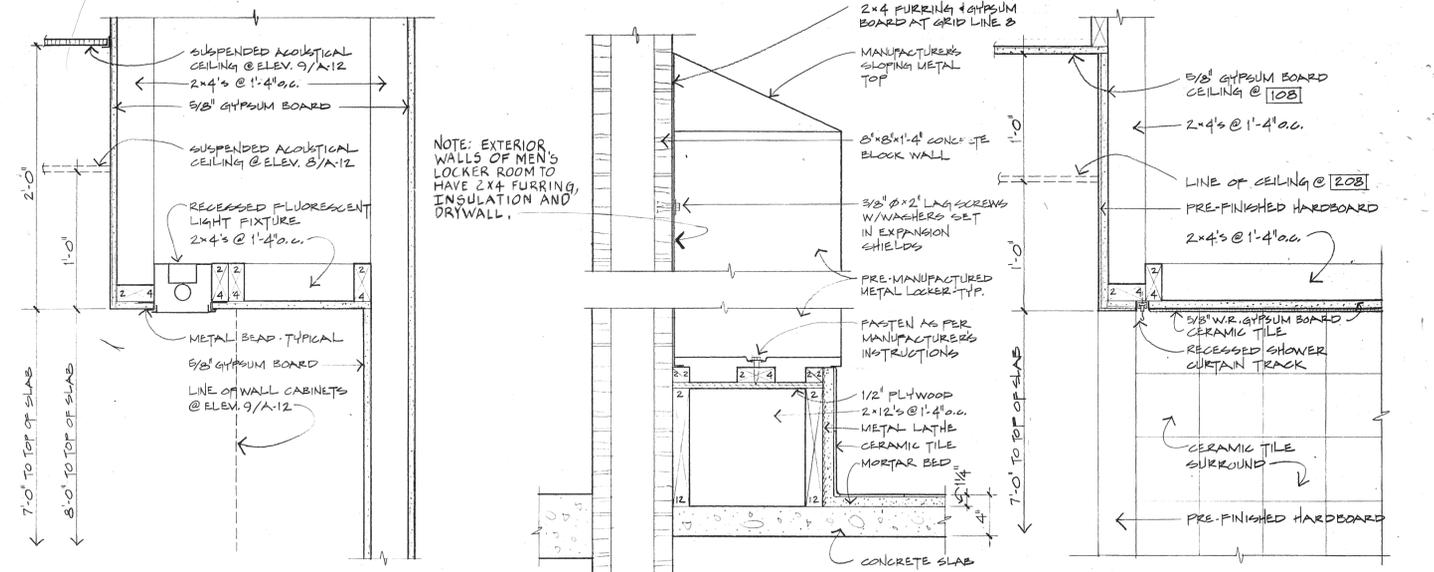
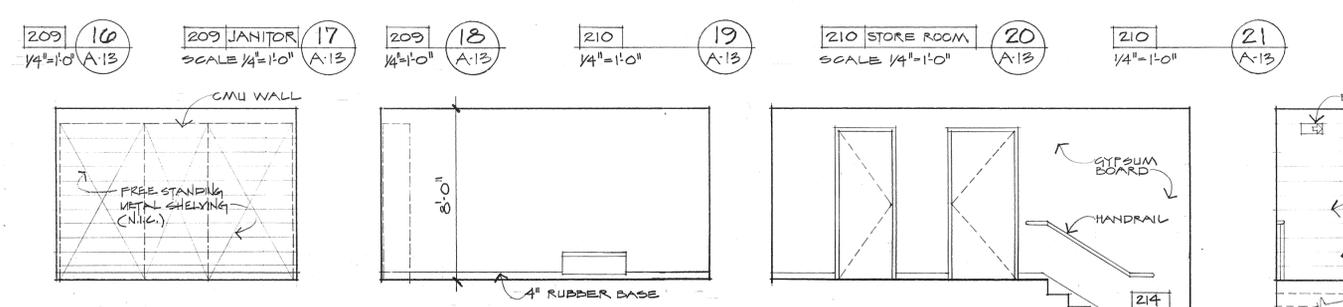
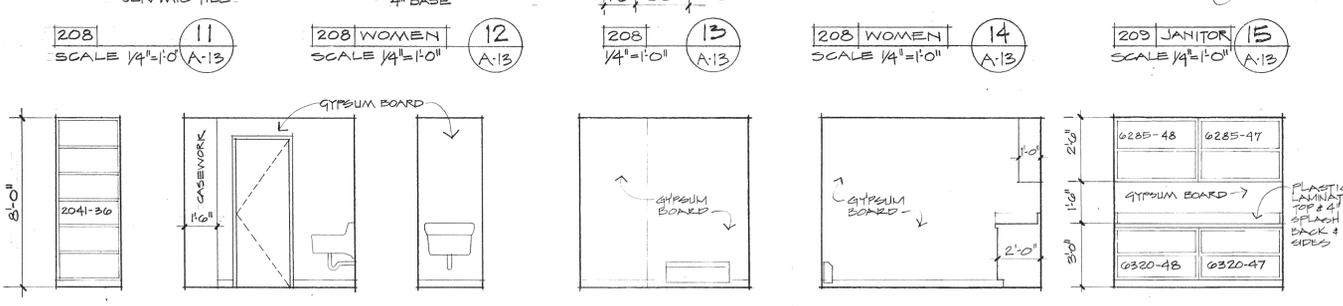
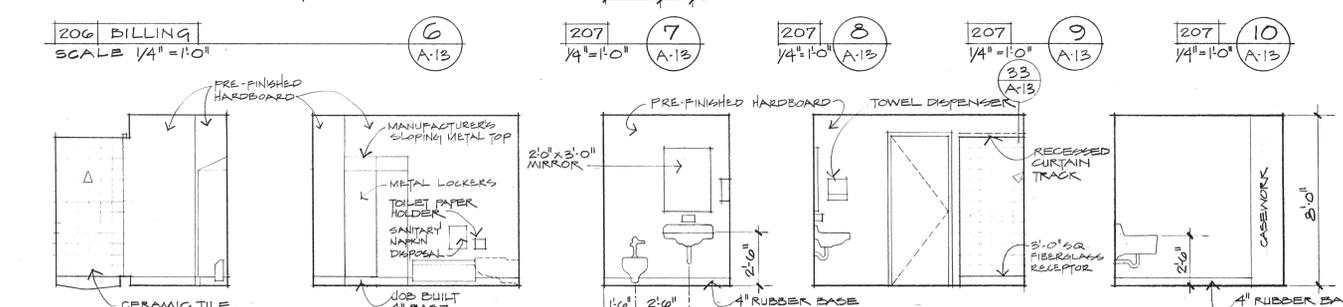
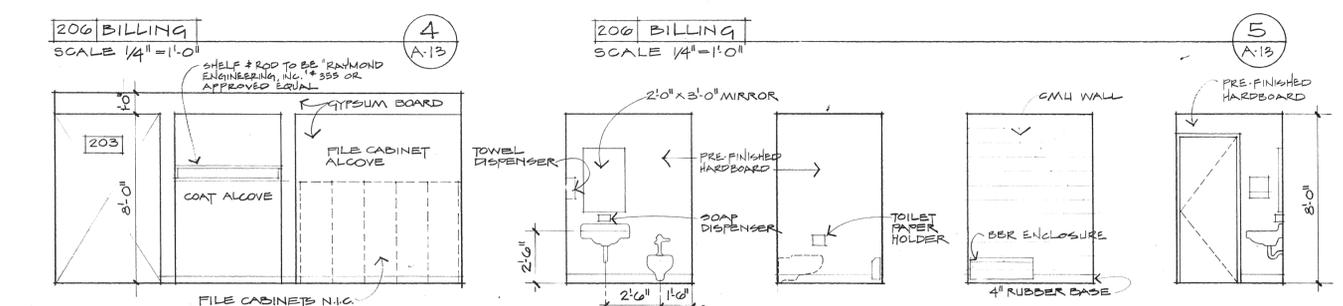
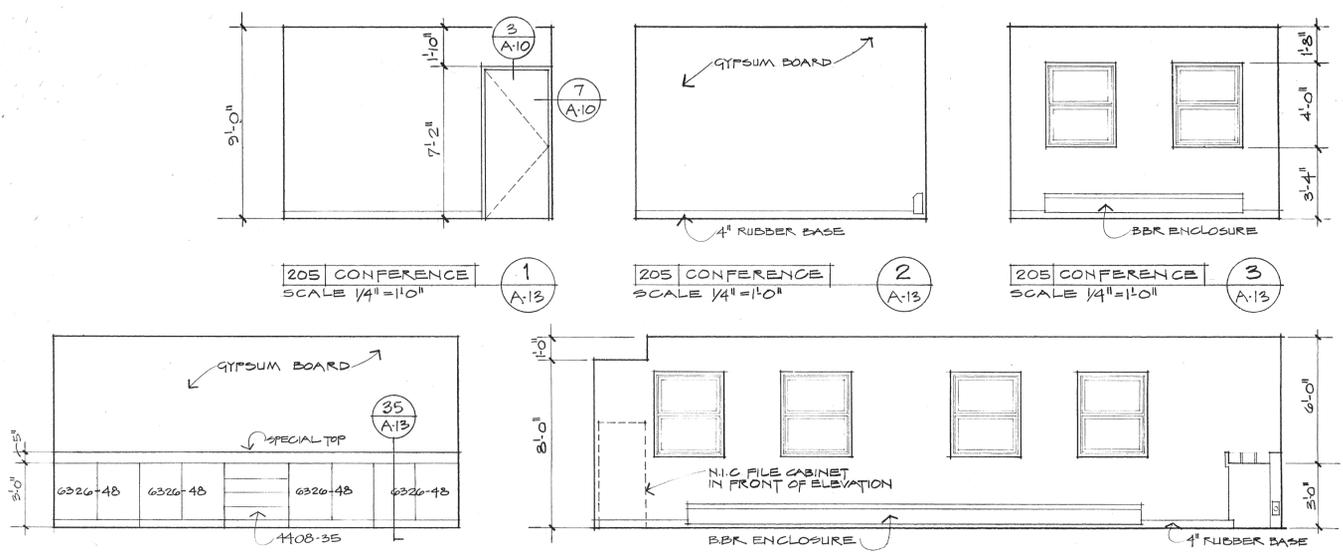
NOTE: NUMBERS SHOWN ON CABINETS REFER TO "MONITOR PRODUCTS"

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 BY [Signature] DATE 9-28-81

REFUSE EQUIPMENT WARM STORAGE BUILDING
 PROJECT 80-E-92
 MUNICIPALITY OF ANCHORAGE
 DEPARTMENT OF PUBLIC WORKS

CARLIN WILLIAMS - ARCHITECT
 4707 BUSINESS PARK BLVD
 ANCHORAGE ALASKA 99506
 (907) 277-8689

PROJECT	8101	
DRAWN BY	C.W.	
DATE	5-6-81	
REVISED		
	2-19-82	DRAWING
A12		OF: A-14



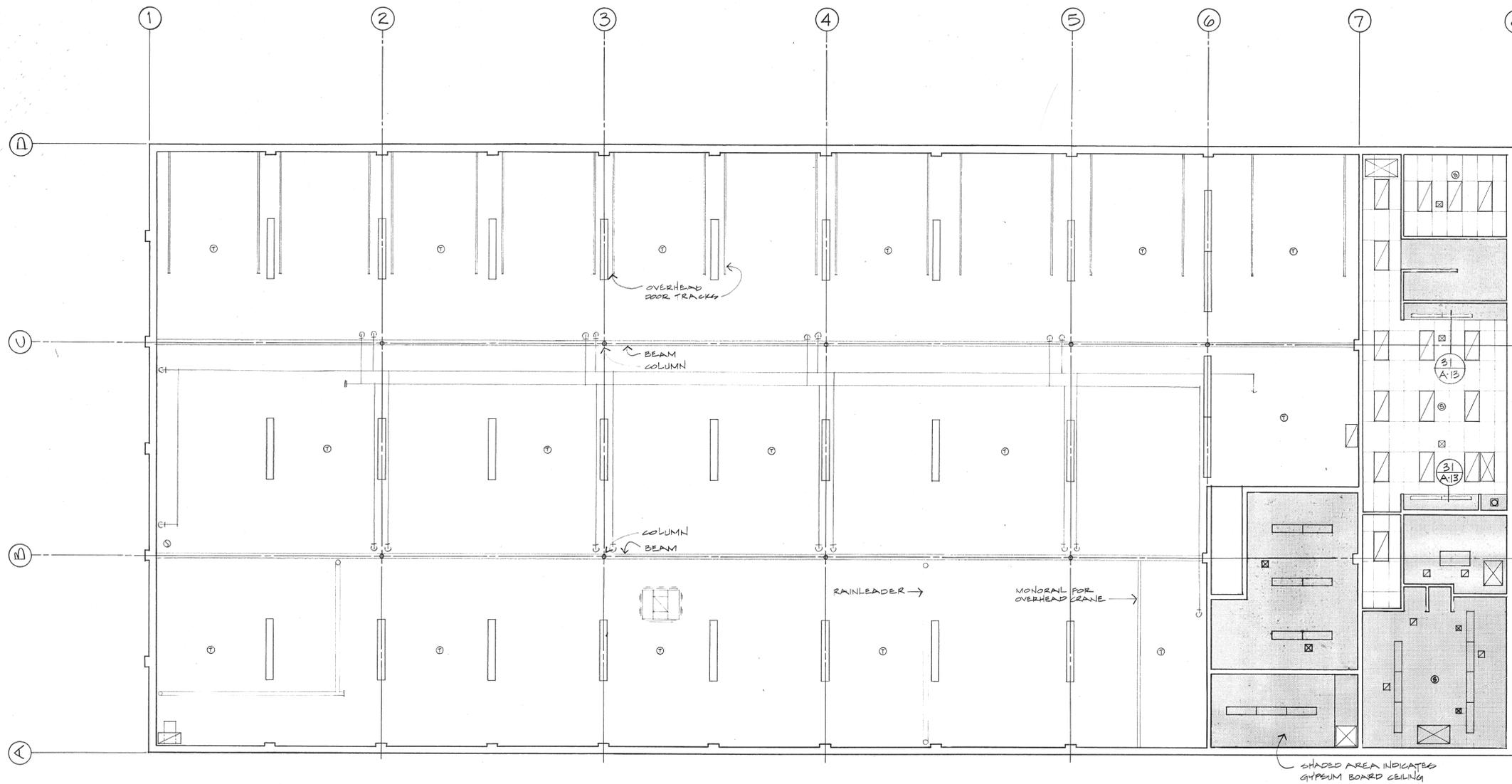
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DEPARTMENT OF PUBLIC WORKS

CARLIN WILLIAMS ARCHITECT
470 BUSINESS PARK BLVD
ANCHORAGE, ALASKA 99503
(907) 277-8689

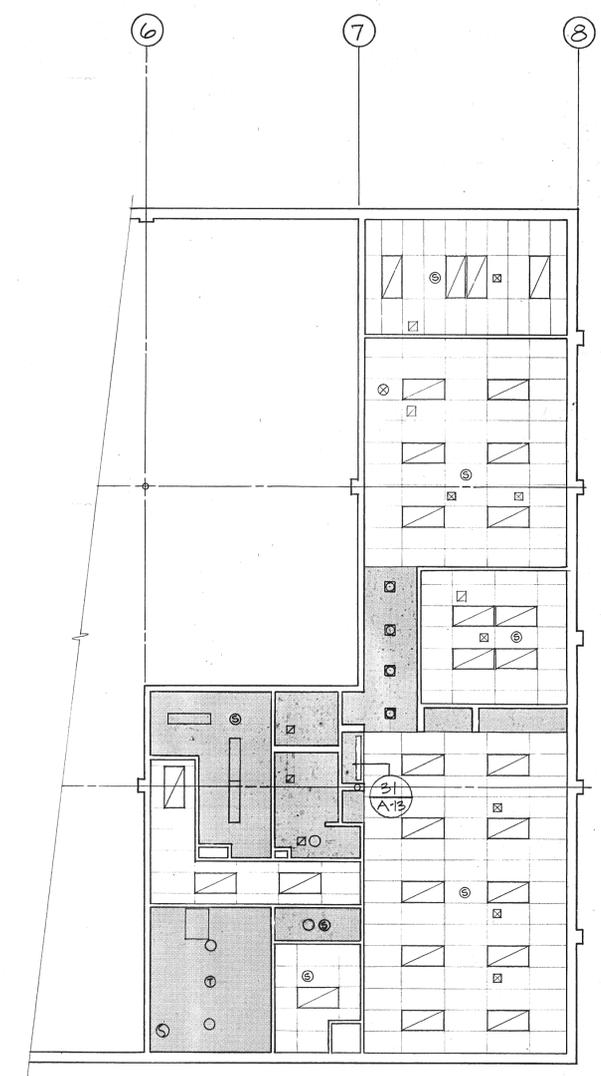
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DATE 5-6-81
REVISED
2-19-82
DRAWING
A-13
DATE 9-28-84
OF: A-14

STATE OF ALASKA
49th
CARLIN G. WILLIAMS
REGISTERED PROFESSIONAL ARCHITECT

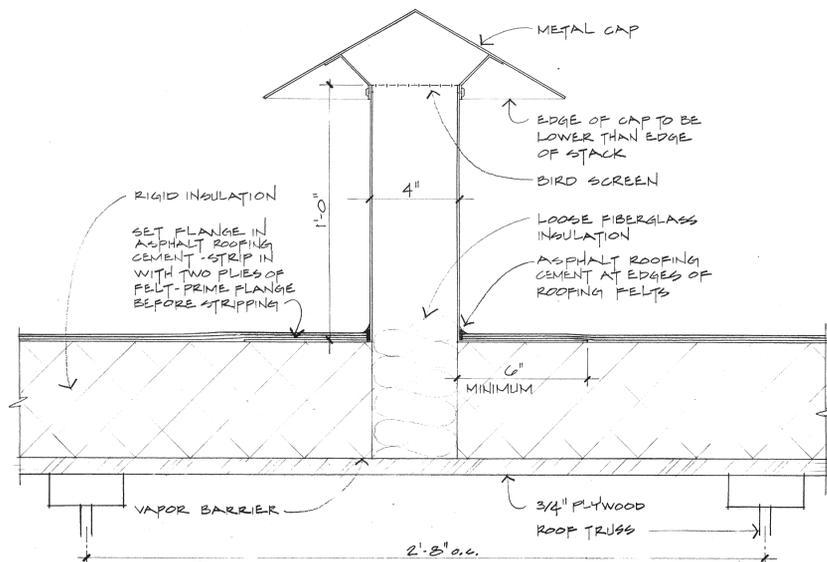
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CARLIN WILLIAMS ARCHITECT
DATE 9-28-84



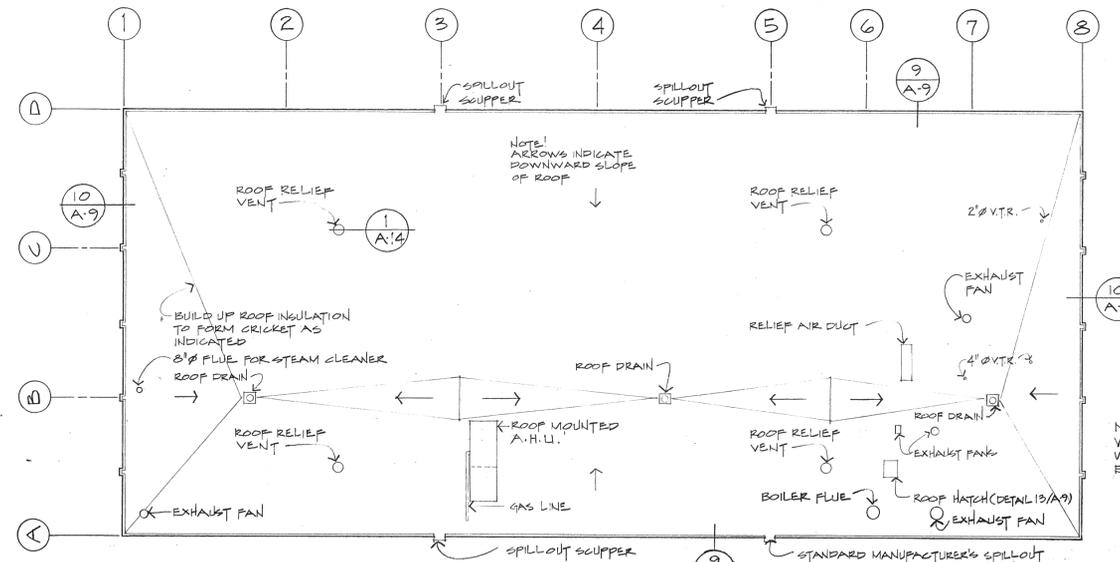
MAIN LEVEL REFLECTED CEILING PLAN
SCALE 1/8" = 1'-0"



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



ROOF RELIEF VENT DETAIL
SCALE 3/8" = 1'-0"



ROOF PLAN
SCALE 1/16" = 1'-0"

NOTE:
VERIFY ROOF PENETRATIONS
WITH MECHANICAL AND
ELECTRICAL DRAWINGS

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CARLIN WILLIAMS - ARCHITECT
BY *[Signature]* DATE 9-28-84

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WARM STORAGE BUILDING
PROJECT 80-E-92
MUNICIPALITY OF ANCHORAGE
DEPARTMENT OF PUBLIC WORKS

CARLIN WILLIAMS - ARCHITECT
1107 BUSINESS PARK BLVD
ANCHORAGE, ALASKA 99503
(907) 277-0689

PROJECT 8101
DRAWN BY D.H.
DATE 5-6-81
REVISED

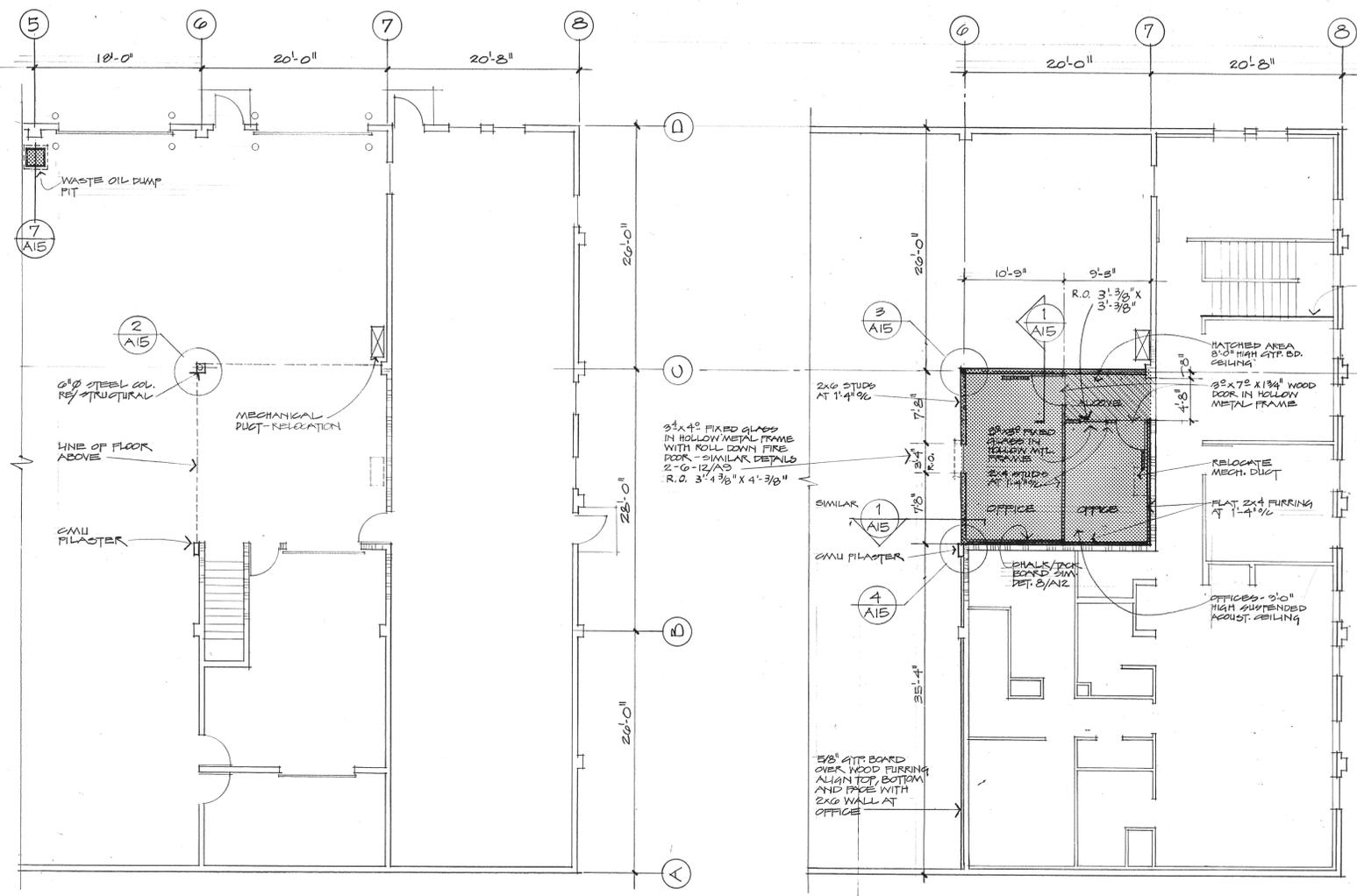


2-19-82

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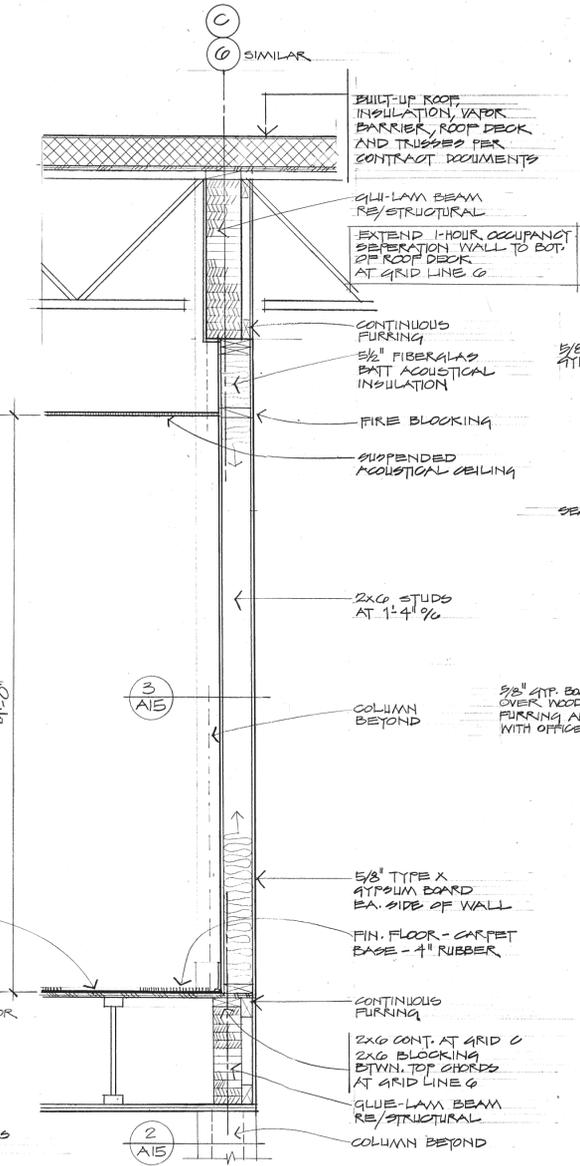
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OF A-14

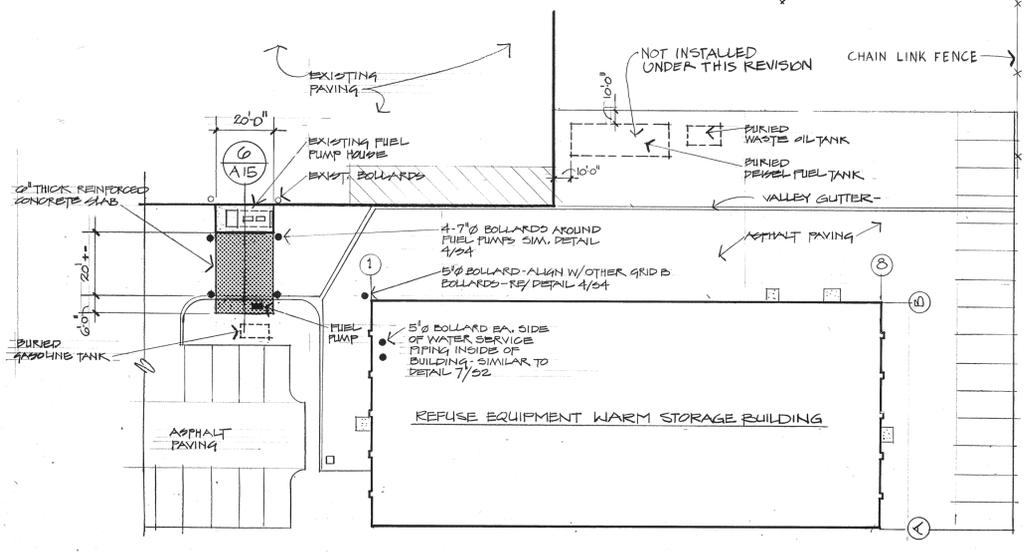
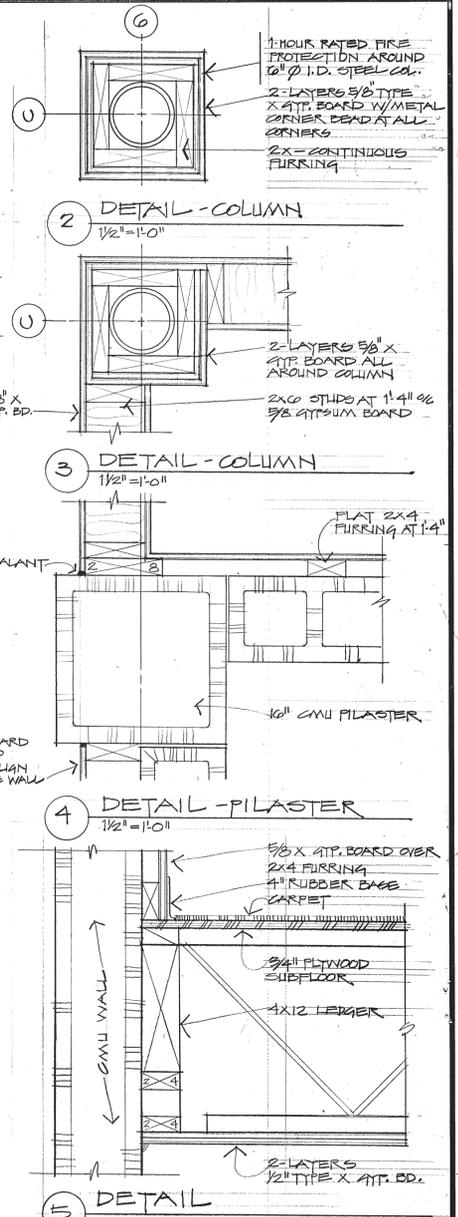


PARTIAL PLAN - GROUND LEVEL
SCALE 1/8" = 1'-0"

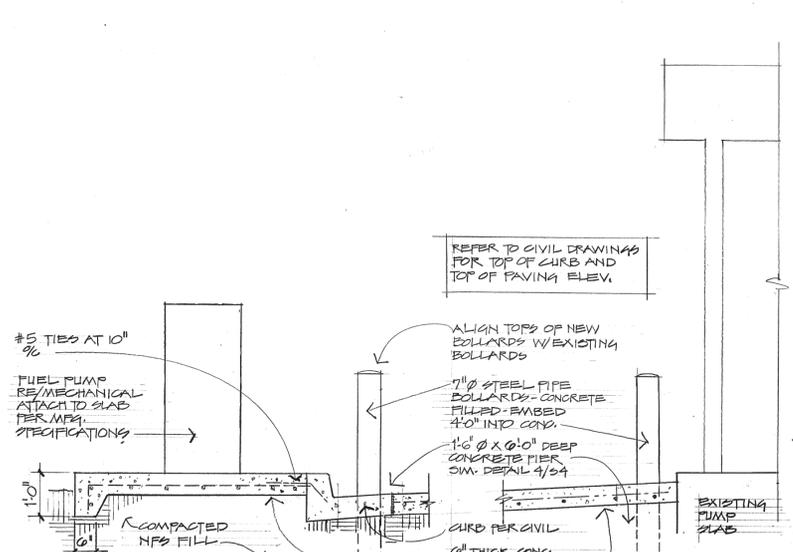
PARTIAL PLAN - UPPER LEVEL
1/8" = 1'-0"



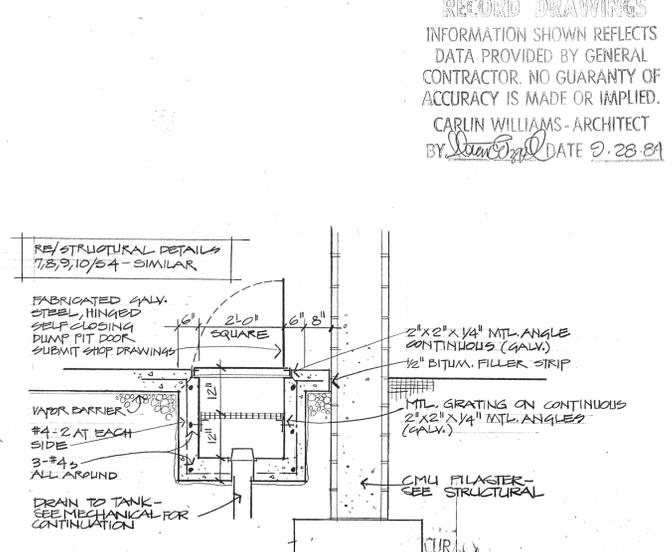
1 WALL SECTION
3/4" = 1'-0"



PARTIAL SITE PLAN
1" = 30'



6 SECTION
1/2" = 1'-0"



7 SECTION
1/2" = 1'-0"

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CARLIN WILLIAMS - ARCHITECT
BY *[Signature]* DATE 7.28.81

REFUSE EQUIPMENT
WARM STORAGE BUILDING
PROJECT 80-E-92
REVISION NO. 1
MUNICIPALITY OF ANCHORAGE
DEPARTMENT OF PUBLIC WORKS

CARLIN WILLIAMS ARCHITECT
1000 W. 11TH AVENUE, SUITE 100
ANCHORAGE, ALASKA 99503
907-263-9889

PROJECT 801
DRAWN BY J.E.
DATE JULY 5, 1982
REVISED

STATE OF ALASKA
49th
CARLIN WILLIAMS
A 4885
REGISTERED PROFESSIONAL ARCHITECT

DRAWING
A 15
1 OF 5

LEGEND

EXISTING	NEW CONSTRUCTION	
W	W	WATERLINE W/VALVE
		FIRE HYDRANT
S	S	CURB STOP / KEYBOX
G	G	SEWER LINE W/MANHOLE
E		GAS LINE
T		UNDERGROUND ELECTRIC
OHE		UNDERGROUND TELEPHONE
		OVERHEAD ELECTRIC / TELEPHONE
		POWER POLE W/GUY
		CHAIN LINK FENCE
		CULVERT
		PROPERTY LINE
		CENTERLINE
		ASPHALTIC CONCRETE PAVEMENT
		REMOVE AND REPLACE PAVEMENT
		CONTOURS
		SWALES
		SOIL BORING LOCATIONS
		CONCRETE

VERTICAL CONTROL

1972 NGS Datum
 T.B.M.1- North bolt of hydrant Elev.=125.68
 at S.E. side of shredder plant.
 T.B.M.2- North rim of manhole Elev.=114.01
 at Juneau St. & 54th Ave.

NOTES

1. Patch pavement where disturbed for utility connections.
2. Coordinate gas, telephone and electrical services with utility companies. Owner will pay connection fees.
3. Grade smooth all unimproved areas within the work limits.



REFUSE EQUIPMENT WARM STORAGE BUILDING
 PROJECT 80-E-92

DICKINSON OSWALD WALCH LEE ENGINEERS
 ANCHORAGE, ALASKA

CARLIN WILLIAMS ARCHITECT
 4707 BUSINESS PARK BLVD
 ANCHORAGE ALASKA 99503
 (907) 277-8688

PROJECT 8101
 DRAWN BY GRH / WRM
 DATE DEC. 17, 1981
 REVISED



MINOR NOTES & DETAILS
 FEB. 19, 1982

DRAWING

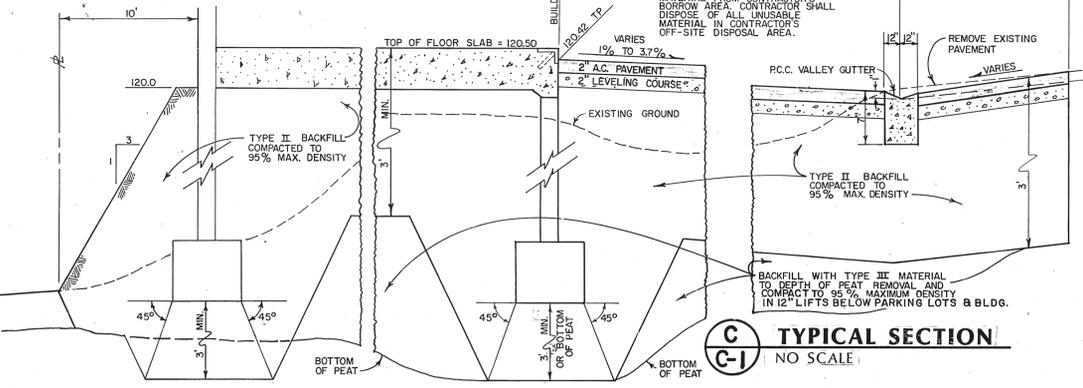
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RECORD DRAWINGS

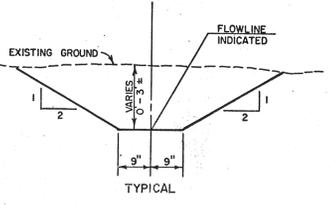
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 CARLIN WILLIAMS ARCHITECT
 BY [Signature] DATE 9-28-84

SITE PLAN

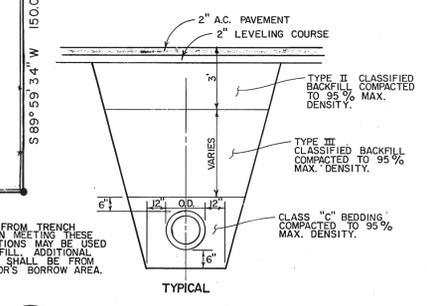
SCALE: 1" = 30'



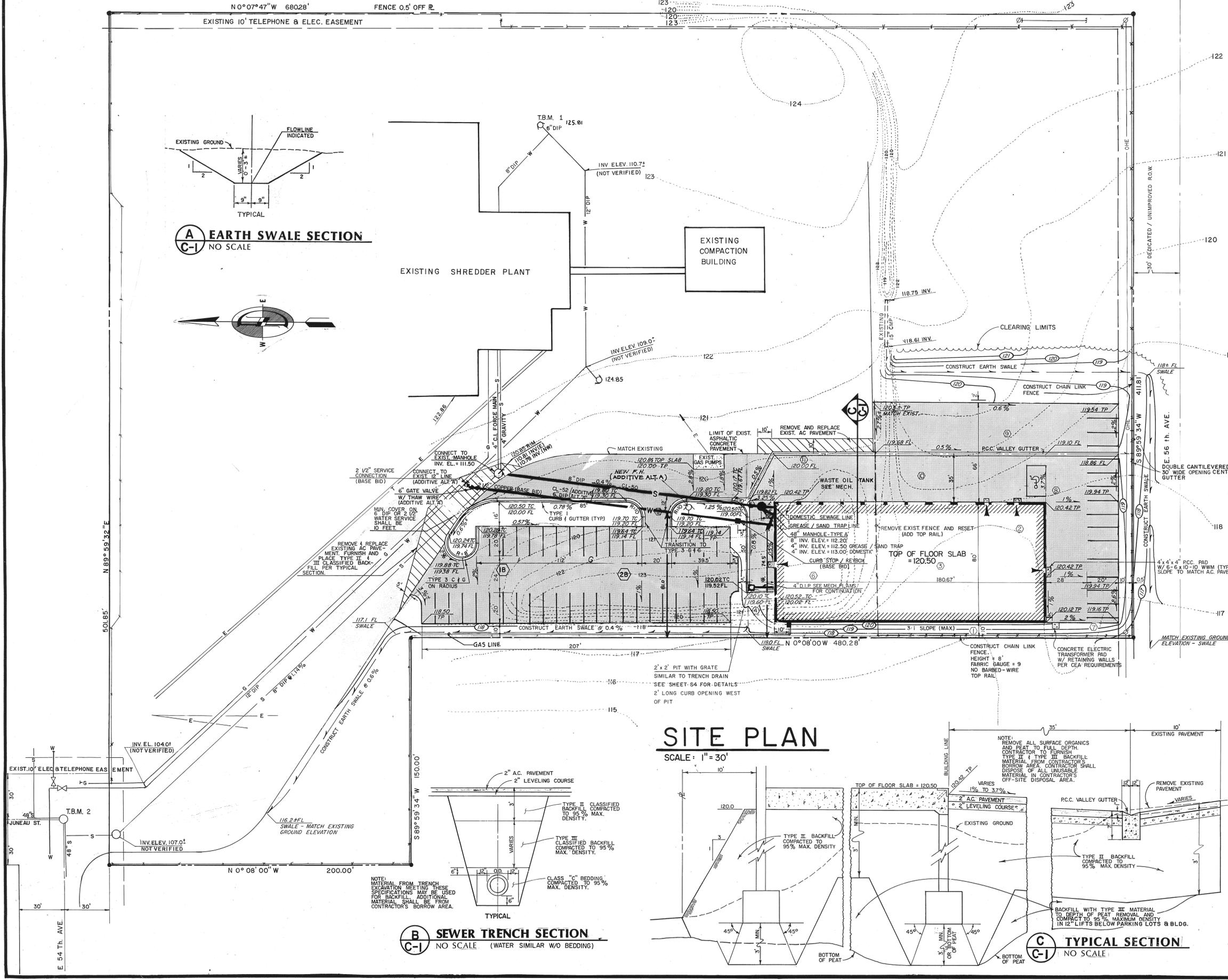
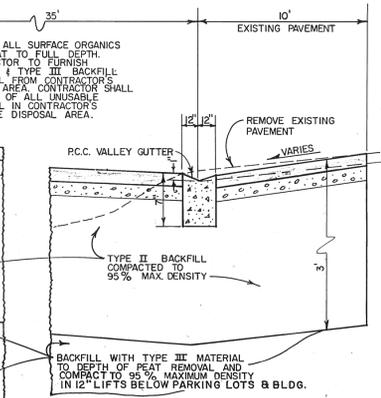
A EARTH SWALE SECTION
 NO SCALE

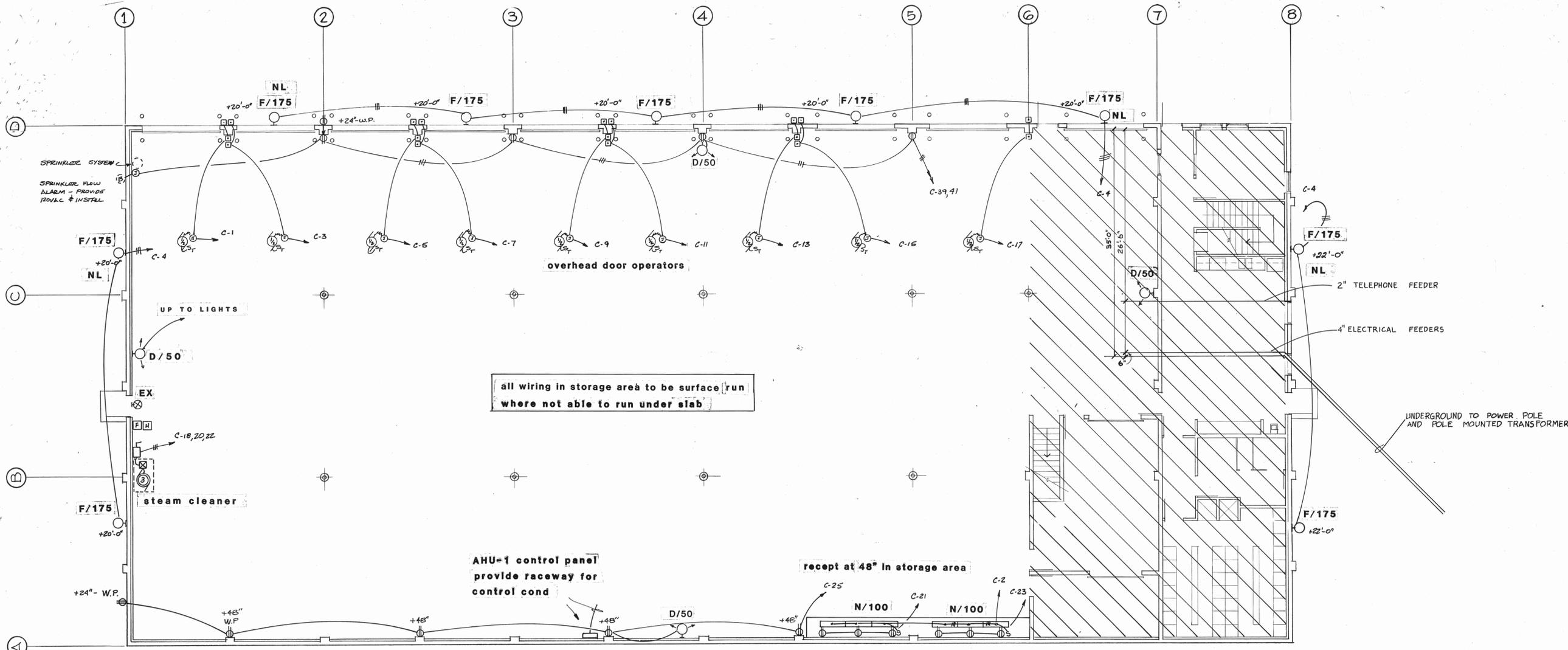


B SEWER TRENCH SECTION
 NO SCALE (WATER SIMILAR W/O BEDDING)



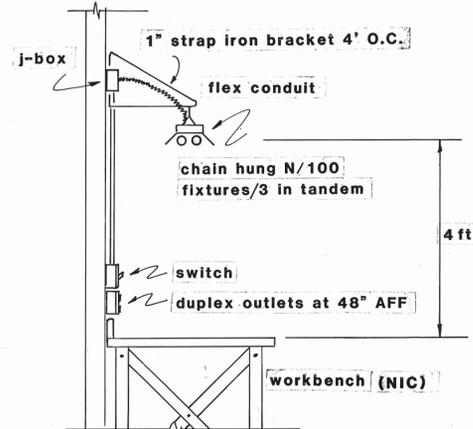
C TYPICAL SECTION
 NO SCALE



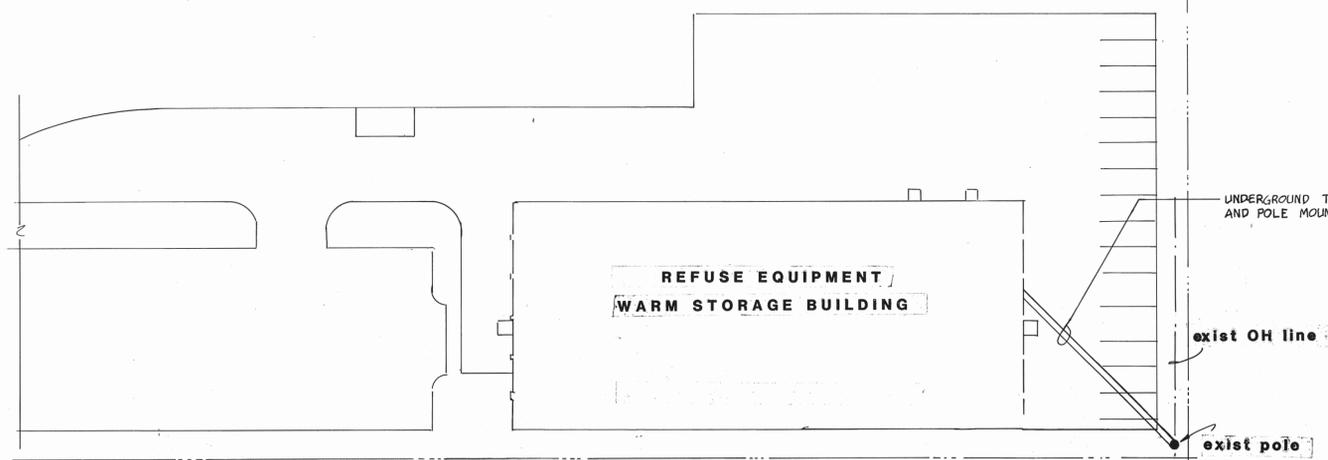


GROUND LEVEL FLOOR PLAN - ELECTRICAL

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



WORKBENCH FIXTURE MOUNTING DETAIL



SITE PLAN - ELECTRICAL



8/19/81

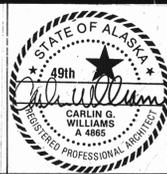
REFUSE EQUIPMENT
WARM STORAGE BUILDING
PROJECT 80-E-92

David B. Olson, P.E.

Consulting Electrical Engineer

ARCHITECT
1000 W. PARK BLVD
ANCHORAGE, ALASKA 99503
783-8889

PROJECT 8101
DRAWN BY DBO
DATE 5/81
REVISED

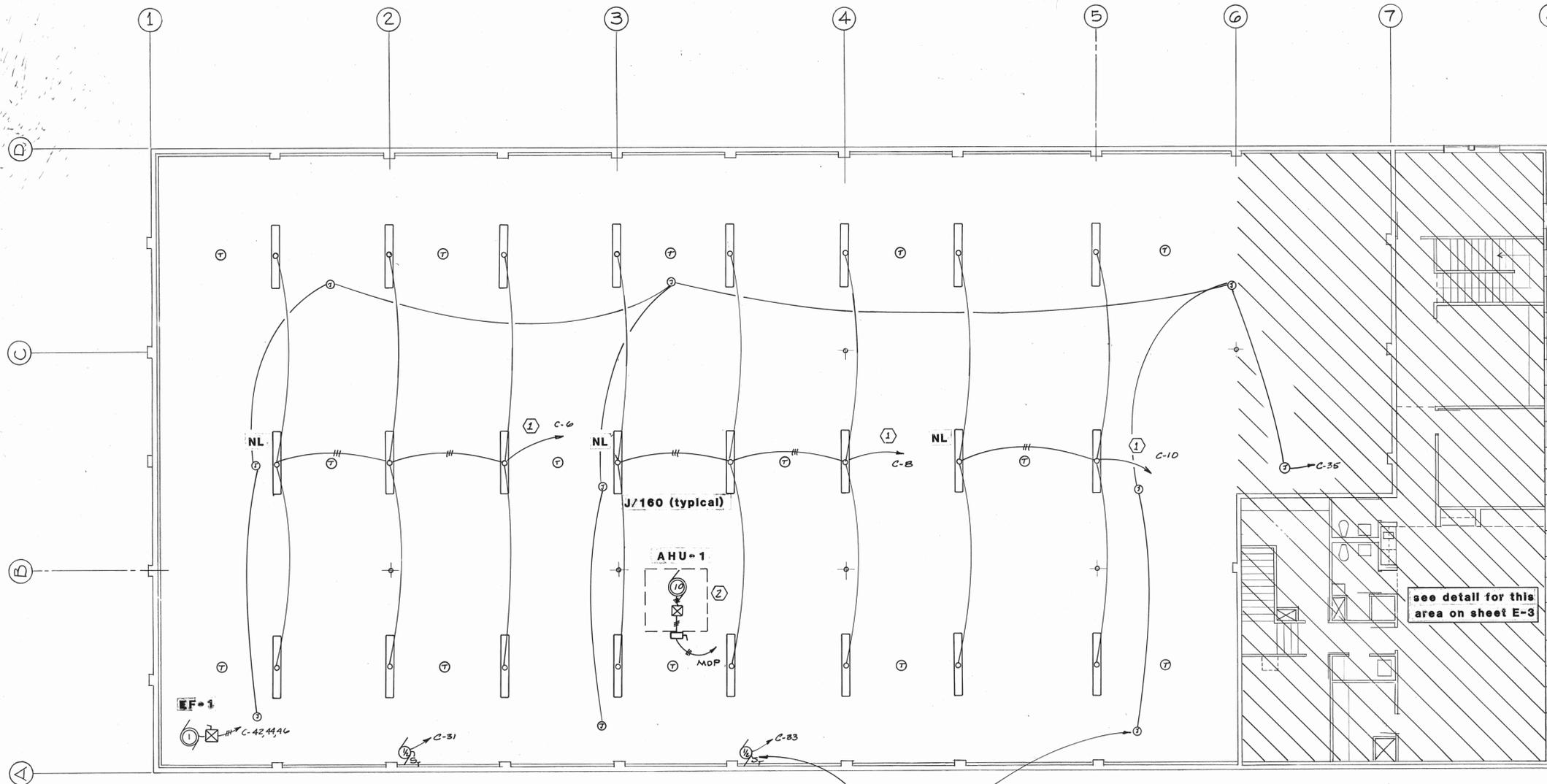


2-19-82

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BY CARLIN G. WILLIAMS - ARCHITECT
DATE 9/28/81

E1



MEZZANINE LEVEL FLOOR PLAN - ELECTRICAL

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

NOTES

SHEET E-1

- 1 VERIFY WITH SERVING UTILITY THE EXACT LOCATION OF THE PAD-MOUNT TRANSFORMER.
- 2 PROVIDE RIGID CONDUIT UNDER SLAB FROM TRANSFORMER PAD TO MDP. RACEWAY TO BE INSTALLED IN CONFORMANCE WITH ARTICLE 230-44 OF THE NEC.

SHEET E-2

- 1 SEE ENLARGED FLOOR PLAN ON SHEET E-3 FOR LOCATION OF SWITCHES.
- 2 AHU-1 IS ROOF MOUNTED. PROVIDE A NEMA 3R DISCONNECT SWITCH. SEAL CONDUIT AT PENETRATION THROUGH ROOF TO PREVENT MOISTURE MIGRATION THROUGH CONDUIT.
- 3 SEE DIVISION 15 SPECIFICATION FOR RACEWAY REQUIREMENTS FOR CONTROL CIRCUITS. SEE SHEETS M-1 THROUGH M-6 FOR FURTHER DETAILS AND LOCATION OF CONTROL PANEL.
- 4 FIXTURE TYPE F/175 NOTED "NL" OPERATE ONLY ON PHOTOCELL. ALL OTHER F/175 FIXTURES OPERATE ON PHOTOCELL AND TIMECLOCK SUCH THAT THEY COME ON AT DUSK AND OFF AT 9PM, BACK ON AT 6AM AND OFF WITH THE PHOTOCELL.

SHEET E-3

- 1 ALL WIRING IN ROOM 110, THE CONTAINER ROOM, SHALL BE 24" ABOVE FINISHED FLOOR MINIMUM.
- 2 PROVIDE AN INTERLOCK SYSTEM FOR THE PAINT SPRAY BOOTH CONSISTING OF DOOR SWITCHES ON THE OVERHEAD DOOR AND THE MAN DOOR, A AUXILIARY CONTACT ON THE STARTER FOR EXHAUST FAN E-2, AND THE SOLINOID VALVE ON THE COMPRESSED AIR LINE. THESE WILL BE INTERCONNECTED IN SUCH A FASHION THAT THERE WILL NOT BE COMPRESSED AIR IN THE SPRAY BOOTH FOR PAINTING UNTIL THE EXHAUST FAN IS RUNNING AND THE DOORS ARE CLOSED. SEE DETAIL ON SHEET E-4.

TYPICAL JUNCTION BOX FOR BURNER CONNECTION OR FOR VACUME PUMP FOR RADIANT HEATING SYSTEM. THE LOCATIONS SHOWN MAY VARY DEPENDING UPON THE SUPPLIER OF THE RADIANT HEATING SYSTEM. QUANTITIES SHOWN ARE TO DEFINE THE SCOPE EXPECTED. NOTE THAT THE HEATING SYSTEM AND THE LIGHTING SYSTEM MAY BE IN CONFLICT. THE HEATING SYSTEM SHALL BE SO DESIGNED TO REMAIN CLEAR OF THE LIGHTING FIXTURES AS SHOWN. RELOCATE THERMAL DETECTORS FOR THE FIRE ALARM SYSTEM TO AVOID FALSE TRIPPING. COORDINATE THE ELECTRICAL REQUIREMENTS OF THE HEATING SYSTEM ACTUALLY BID AND SUBMIT SHOP DRAWINGS FOR APPROVAL AT TIME OF FORMAL SUBMITTAL FOLLOWING THE SIGNING OF THE CONTRACT.

- 3 PROVIDE POWER TO THE WELDER OUTLET IN THE CONTAINER ROOM. VERIFY WITH OWNER PRIOR TO ROUGH-IN THE ACTUAL SIZE OF WELDER TO BE INSTALLED. PROVIDE FOR ACTUAL WELDER.
- 4 PROVIDE POWER TO AIR COMPRESSOR LOCATED UNDER STAIRS IN CONTAINER ROOM. PROVIDE A MANUAL DISCONNECT SWITCH IN A NEMA 1 ENCLOSURE.
- 5 UNDERCOUNTER REFRIGERATOR - PROVIDE OUTLET AT +18".
- 6 SPLIT WIRE FIXTURES TO ALLOW OPERATION WITH INNERMOST LAMPS, OR OUTER-MOST LAMPS, OR WITH ALL 4 LAMPS.
- 7 ROOF MOUNTED EXHAUST FANS EF-1, EF-2, EF-3. PROVIDE SAFETY DISCONNECT IN A NEMA 3R ENCLOSURE. CAREFULLY SEAL ROOF PENETRATIONS. SEAL RACEWAY TO PREVENT AIR MOVEMENT IN CONDUIT FROM BUILDING INTERIOR TO EXTERIOR.
- 8 PROVIDE AN INDIVIDUAL 1" CONDUIT HOMERUN FROM EACH DATA PROCESSING OUTLET TO THE DATA PROCESSING TERMINAL BOARD LOCATED IN ROOM 211 (STORAGE ROOM). PROVIDE A 3/4"x 4"x 4' FIRE RETARDENT PLYWOOD BACKBOARD. PROVIDE A 2" EMT SLEEVE FROM THE TELEPHONE BOARD TO THE DATA PROCESSING BOARD FOR OWNER PROVIDED INTERCONNECTIONS.
- 9 EF-4 IS LOCATED IN THE DUCT CHASE. PROVIDE COMBINATION STARTER DISCONNECT IN STOREROOM, CLEAR OF ACCESS DOOR, TO CONTROL MOTOR.
- 10 SEE DETAIL 13/A-13 FOR INSTALLATION LOCATION OF C/100 FIXTURE IN SOFFIT.
- 11 PROVIDE FLOOR OUTLETS WITH A SURFACE MOUNT HOUSING. PROVIDE HOUSING WITH APPROPRIATE BARRIER TO SEPARATE POWER FROM SIGNAL CONDUCTORS. VERIFY WITH OWNER THE EXACT TYPE OF HOUSING AND THE EXACT LOCATION DESIRED PRIOR TO INSTALLATION
- 12 PROVIDE J-BOX FOR CONNECTION TO RANGE HOOD. VERIFY ELEVATION FROM RANGE HOOD SHOP DRAWINGS.
- 13 PROVIDE RECEPTACLE AT +12" WITH SWITCH FOR GARBAGE DISPOSAL.



8/19/81

REFUSE EQUIPMENT
WARM STORAGE BUILDING

PROJECT 80-E-92

David B. Olson, P.E.

Consulting Electrical Engineer

CARLIN WILLIAMS-ARCHITECT
1707 BUSINESS PARK BLVD
ANCHORAGE ALASKA 99503
1987 277-6689

PROJECT 8101

DRAWN BY DBO

DATE 5/81

REVISED

2-19-82



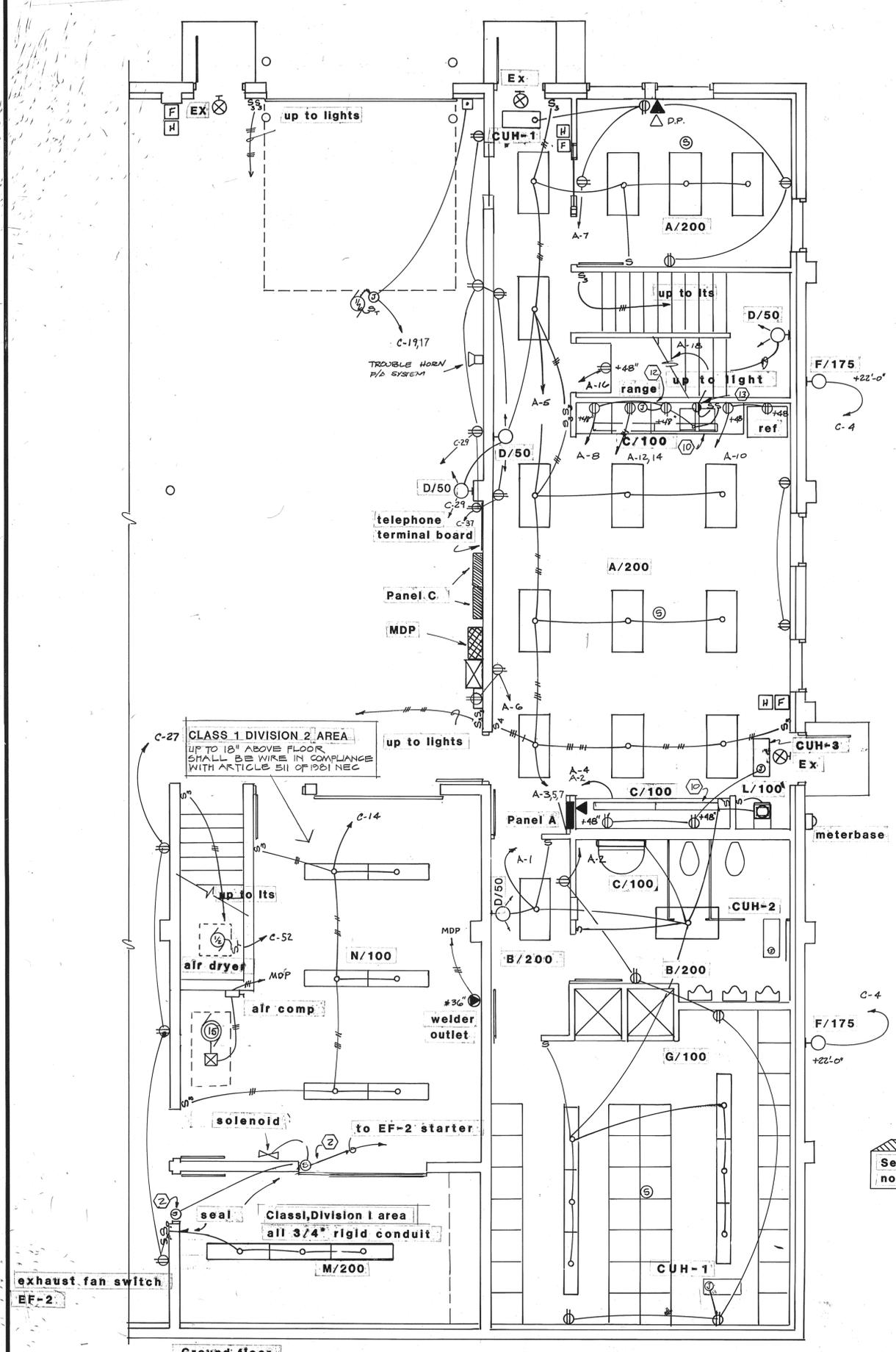
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of 4

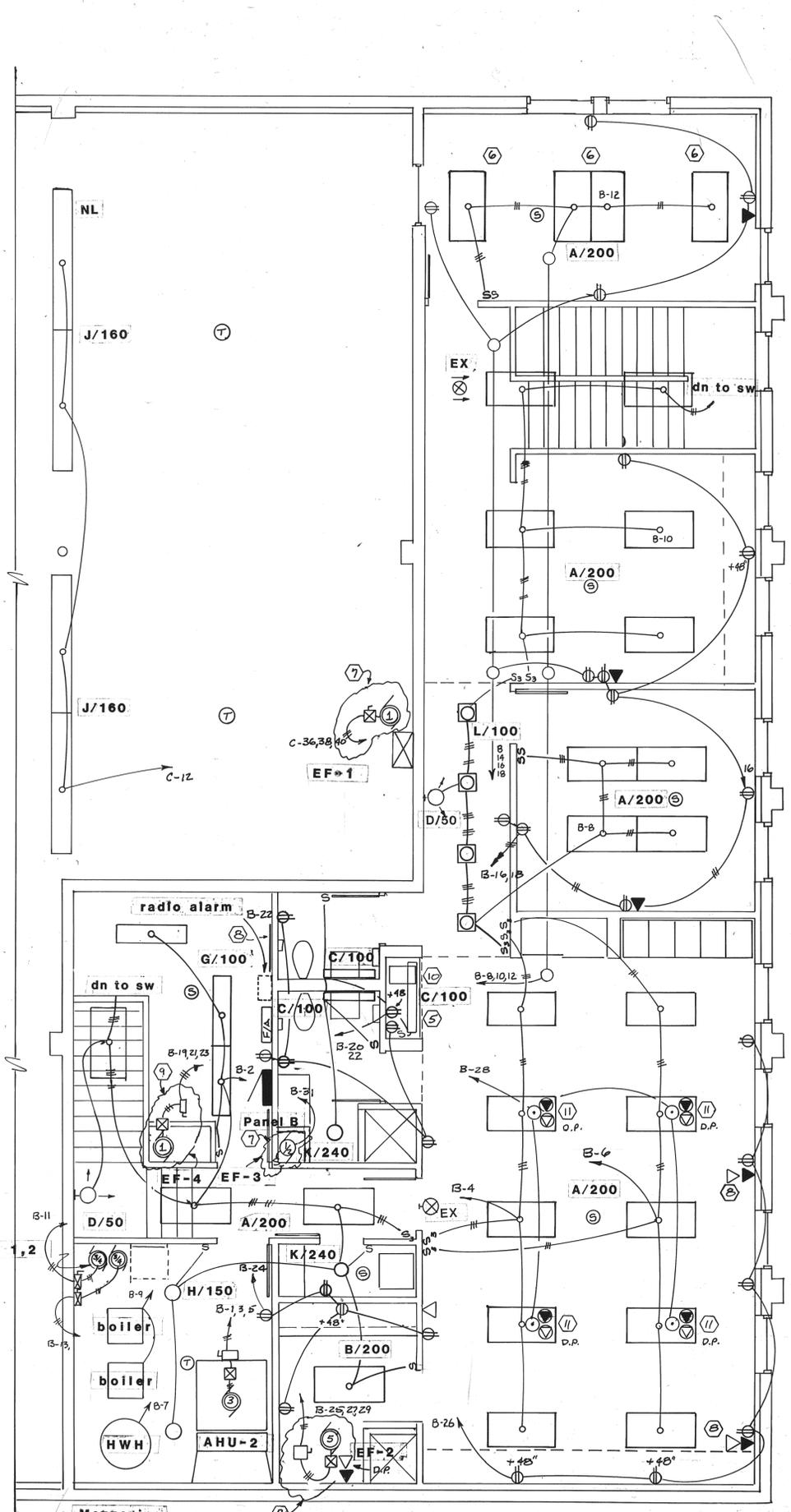
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CARLIN WILLIAMS-ARCHITECT
BY *David Olson* DATE 9-28-81

DBO-8045 29



ENLARGED FLOOR PLAN - ELECTRICAL

See sheet E-2 for notes for this sheet



ENLARGED FLOOR PLAN - ELECTRICAL

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 PROJECT 80-E-92
David B. Olson, P.E.
 Consulting Electrical Engineer

CARLIN WILLIAMS-ARCHITECT
 4707 BUSINESS PARK BLVD
 ANCHORAGE, ALASKA 99503
 (907) 277-8683

PROJECT 8101
 DRAWN BY DBO
 DATE 5/81
 REVISED



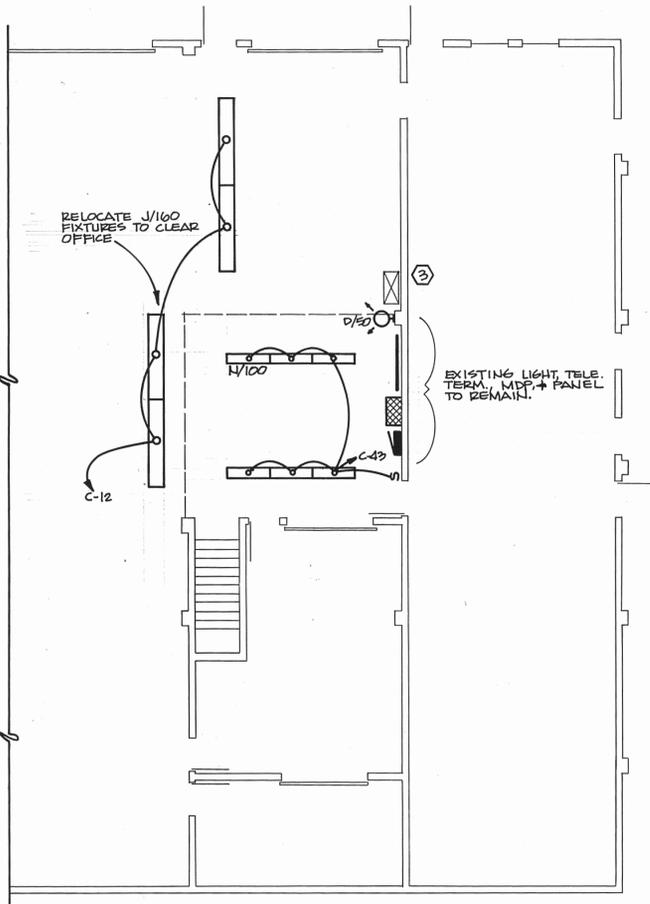
2-10-82
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 of 4

LIGHTING FIXTURE SCHEDULE

KEY	LAMPS		DESCRIPTION	FINISH	MTG. HT.	MANUFACTURERS NUMBER
	NO.	TYPE				
A /200	4	F35/CW	2 X 4 RECESSED FLUORESCENT WITH ENERGY CONSERVING BALLAST	STD	RECESSED	LITHONIA 2GL 440 A12
B /200	4	F35/CW	2 X 4 SURFACE FLUORESCENT WITH ENERGY CONSERVING BALLAST	STD	SURFACE	COLUMBIA #3549-65-244
C /100	2	F35/CW	4 FT LINEAR FLUORESCENT FIXTURE WITH ENERGY CONSERV. BALLAST	STD	SURF	LITHONIA # 3085
D /50	2	6 VOLT SEALED	BATT. POWERED EMERGENCY LIGHTING WITH ADJUSTABLE HEADS	STD	SURF	DUALLITE CLA-206
EX	NONE		ILLUMINATED EXIT SIGN	STD	SURF	ISOLITE 880 SERIES
F /175	1	150 W	HIGH PRESSURE SODIUM WALL BRACKET	BLACK	AS NOTED	ACME DUNBAR 8423-120V
G /100	2	F35/CW	1 X 4 FLUORESCENT WRAPAROUND WITH ENERGY CONSERV. BALLAST	STD	SURF	COLUMBIA #3549-65-142
H /150	1	150W	INDUSTRIAL INCANDESCENT PORCELAIN REFLECTOR UNIT	WHITE	SURF	BENJAMIN 5642
J /100	2	F96T12 /HO	2 LAMP 8 FOOT INDUSTRIAL FLUOR WITH HIGH OUTPUT FLUORESCENT	STD	SURFACE	LITHONIA #EJA-296 HO-120
K /240	2	60W	10" DIA INCANDESCENT CEILING DRUM	STD	SURF	PRESCOLITE #7810
L /100	1	100W A21	RECESSED INCANDESCENT WITH MULTI-GROOVE BAFFLE/ELIPSOIDAL REFLECTOR	WHITE	RECESSED	PRESCOLITE #1054-720
M /200	4	F35/CW T12	EXPLOSION PROOF FLUORESCENT W/ REFL & MTC HARDWARE 3/4" HUBS	STD	SURFACE	CROUSE HINDS EVF243
N /100	2	F35/CW	2 LAMP 4 FOOT INDUSTRIAL FLUOR WITH ENERGY CONSERV BALLAST	STD	SEE NOTE *	LITHONIA L-240

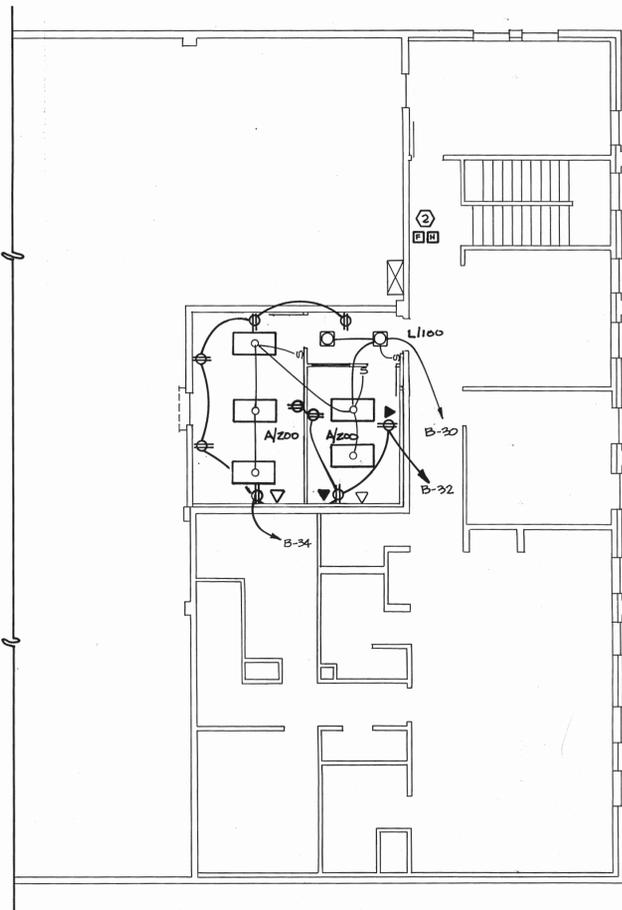
PANEL SCHEDULE

NO. C	LOCATION	120/208 VOLT 3 PHASE 4 WIRE	200 AMP PNL WITH MAIN LUGS
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PARTIAL ELECTRICAL PLAN - GROUND LEVEL

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

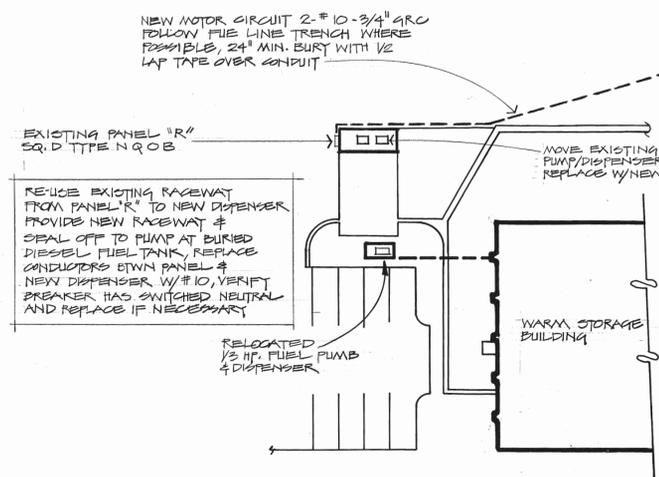


PARTIAL ELECTRICAL PLAN - UPPER LEVEL

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

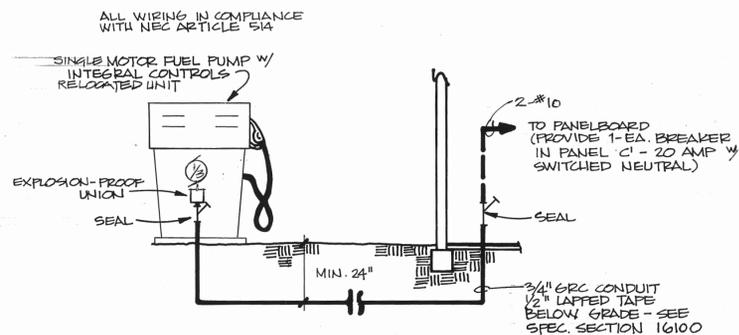
NOTES:

1. THIS DRAWING RELATES TO DRAWINGS E-1 THROUGH E-4 OF THE SET DATED 5/89 FOR THE MUNICIPALITY OF ANCHORAGE WARM STORAGE FACILITY. REFERENCES TO FIXTURE TYPES AND CIRCUIT NUMBERS RELATE TO THE ORIGINAL DRAWINGS.
2. ADD FIRE ALARM PULL STATION AND ALARM HORN TO THIS LOCATION.
3. SEE MECHANICAL SHEETS M-8 & 9 FOR NEW LOCATION OF EXHAUST FAN EF-1.



PARTIAL SITE PLAN

APPROX. SCALE: 1" = 30'



PUMP WIRING DETAIL

NO SCALE



7/14/82

**REFUSE EQUIPMENT
WARM STORAGE**

PROJECT# 80-E-92

David B. Olson, P.E.

Consulting Electrical Engineer

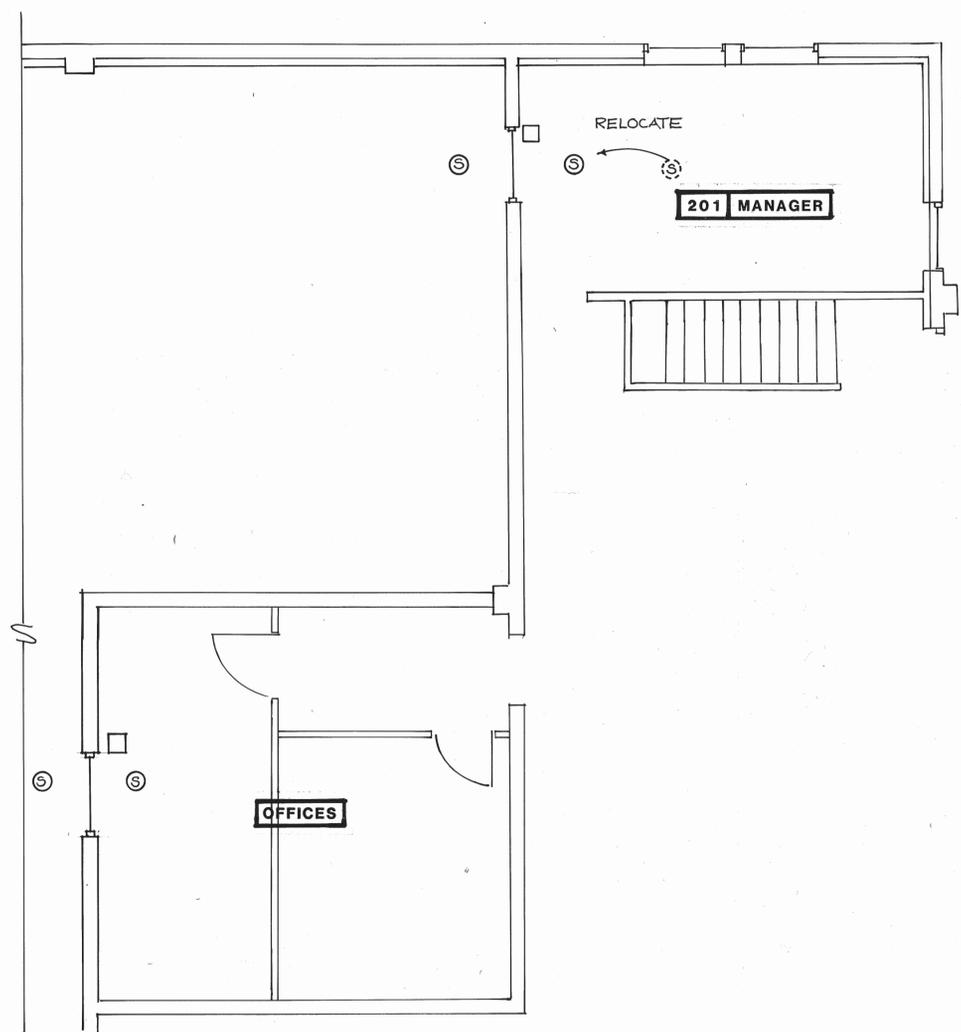
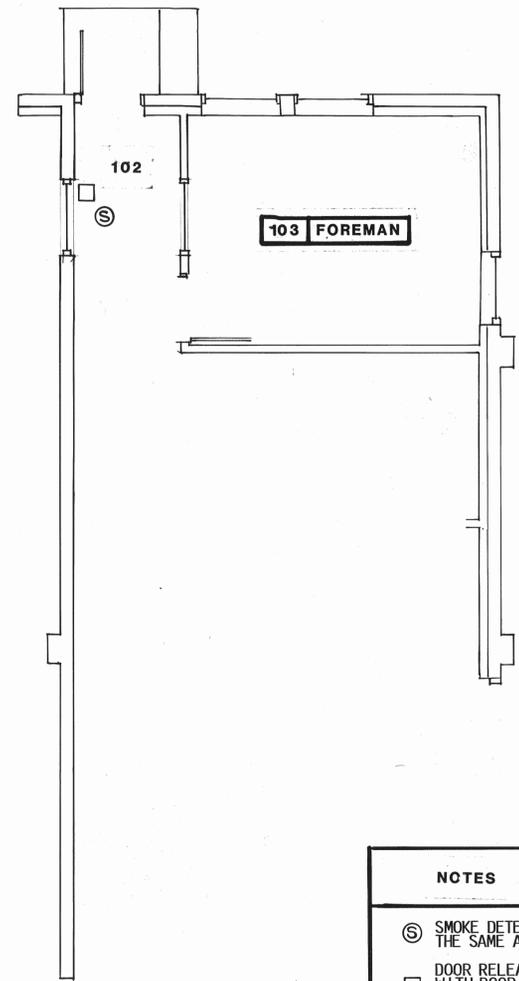
CARLIN WILLIAMS - ARCHITECT
1707 BUSINESS PARK BLVD
ANCHORAGE ALASKA 99503
(907) 577-8689

PROJECT 8101
DRAWN BY DEG
DATE 7/5/82
REVISED

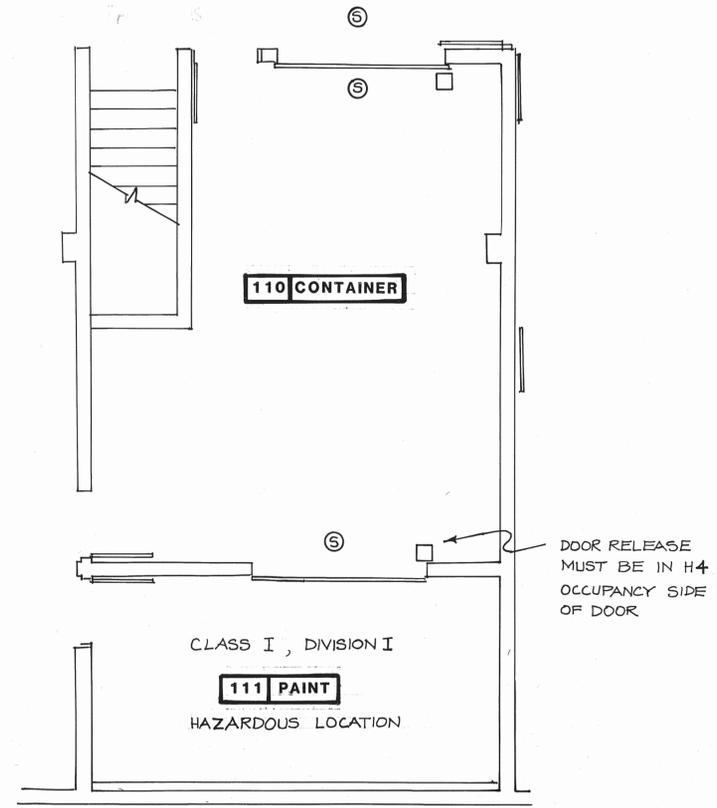
STATE OF ALASKA
49th
CARLIN G. WILLIAMS
A 4885
REGISTERED PROFESSIONAL ARCHITECT

DRAWING
E 5
E OF 5

RECORD DRAWINGS
INFORMATION SHOWN REFLECTS
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ACCURACY IS MADE OR IMPLIED.
CARLIN WILLIAMS - ARCHITECT
BY _____ DATE _____



- NOTES**
- Ⓢ SMOKE DETECTOR TO BE ADDED TO THE FIRE ALARM SYSTEM. PROVIDE DETECTORS THE SAME AS SUBMITTED.
 - DOOR RELEASE - HARDWARE COMPATIBLE WITH EXISTING DOORS. COORDINATE WITH DOOR SUPPLIER. PROVIDE A UNIT WHICH IS 24 VDC TO INTERFACE WITH THE FIRE ALARM CABINET. PROVIDE SUBMITTAL INFORMATION FOR APPROVAL PRIOR TO ORDERING.
 - 1 SMOKE DETECTORS IN CONTAINER ROOM AND EQUIPMENT STORAGE ROOMS TO BE CONNECTED TO ZONE 2 (EQUIPMENT STORAGE ZONE)
 - 2 SMOKE DETECTORS IN OFFICE AREAS TO BE CONNECTED TO ZONE 1 (OFFICE ZONE)
 - 3 CONNECT DOOR RELEASES TO FIRE ALARM CABINET POWER SUPPLY THROUGH AN AUXILIARY CONTACT. DO NOT POWER FROM BATTERY BACK-UP SYSTEM. VERIFY WITH FIRE ALARM MANUFACTURER THE SUITABILITY OF POWER SUPPLY TO SUPPORT THE ADDITIONAL 6 DOOR HOLDERS. NOTIFY ARCHITECT OF ANY PROBLEMS.



FIRST FLOOR PARTIAL PLAN

SECOND FLOOR PARTIAL PLAN



REFUSE EQUIPMENT
WARM STORAGE BUILDING
PROJECT 80-E-92
David B. Olson, P.E.
Consulting Electrical Engineer

RECORD DRAWINGS
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CARLIN WILLIAMS - ARCHITECT
BY *David Olson* DATE 2-28-84

NOV. 30, 1982

E-6

FAN SCHEDULE										
SYMBOL	SERVICE	TYPE	SCFM	F.R.M.	SP	CONTROL	RPM	H.R./VOLTS/PH	LOCATION	REMARKS
EF-1	EQUIPMENT EXHAUST	CENT.	6,000	—	0.125"	INTERLOCK W/ AHU-1	—	3/4/208/3φ	ROOF	PENN, RB-30
EF-2	PAINT EXHAUST	CENT.	10,000	—	1.0"	AHU-1 TO BE INTERLOCKED	970	5/208/3φ	ROOF	DEVILBISS JK-4402
EF-3	TOILET EXHAUST	CENT.	500	—	0.50"	TIME CLOCK	—	1/2/115/3φ	ROOF	PENN, BB-45 V-BELT
EF-4	WELDING EXHAUST	INLINE	750	—	1.25"	LOCAL	—	1/208/3φ	MEZZ. SHAFT	CAEMON CM-8-SL

PLUMBING FIXTURE CONNECTION SCHEDULE							
SYMBOL	FIXTURE	SOIL	WASTE	VENT	CW	HW	REMARKS
P-1	WATER CLOSET	4"	—	2"	1"	—	FLUSH VALVE, WALL HUNG
P-1A	WATER CLOSET	4"	—	2"	1"	—	HANDICAPPED, FLUSH VALVE
P-2	URINAL	2"	—	1 1/2"	3/4"	—	WALL-HUNG, FLUSH VALVE
P-3	LAVATORY	—	1 1/2"	1 1/4"	1/2"	1/2"	WALL-HUNG
P-4	HAND SINK	—	1 1/2"	1 1/4"	1/2"	1/2"	SINGLE COMPARTMENT, STAINLESS STEEL
P-5	SERVICE SINK	—	3"	2"	3/4"	3/4"	HOSE OUTLET ON FAUCET, BUCKET HOOK
P-6	HAND SINK (KITCHEN)	—	1 1/2"	1 1/4"	1/2"	1/2"	DOUBLE COMPARTMENT, STAINLESS STEEL (MOUNT GARBAGE DISPOSER FURNISHED AS DIV.-11, EQUIPMENT)
P-7	SHOWER	—	2"	1 1/2"	1/2"	1/2"	SINGLE STALL, FLOW RESTRICTOR. P-7A; HANDICAPPED FITTINGS
P-8	WASHFOUNTAIN	—	2"	1 1/4"	3/4"	3/4"	SEMI CIRCULAR, 36" DIAMETER
P-9	DRINKING FOUNTAIN	—	1 1/2"	1 1/4"	1/2"	—	WALL-MOUNTED
P-10	OIL INTERCEPTOR	—	4"	2"	—	—	50 GPM FLOW W/ FLOW CONTROL VALVE: SMITH 8550-PC
HB-1	HOSE-BIBB	—	—	—	3/4"	—	FREEZE-PROOF
HB-2	HOSE-BIBB	—	—	—	3/4"	—	INSIDE USE ONLY
FD-1	FLOOR DRAIN	—	2"	1 1/2"	—	—	—
FD-2	FLOOR DRAIN	—	3"	2"	—	—	—
	TRENCH DRAIN	—	4"	2"	—	—	SEE STRUCTURAL DRAWINGS
RD-1	ROOF DRAIN	—	3"	—	—	—	TO SPLASHBLOCK & DRYWELL

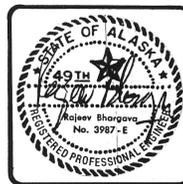
HEATING UNIT SCHEDULE								
SYMBOL	TYPE	MBH	CFM	GPM	EWT	LWT	RPM	REMARKS
CUH-1	CABINET UNIT HEATER	42.6	400	4.6	200	180	1100	HORIZONTAL, RECESSED, CEILING MOUNTED. TRANE E46-A0-04 120HP/115V/1φ
FT-1	FINNED-TUBE	0.800/FT	—	0.08/FT	200	180	—	TRANE 16S W/ENCLOSURE
FT-2	FINNED-TUBE	0.800/FT	—	0.08/FT	200	180	—	TRANE 16S W/RETURN PIPE
FT-3	FINNED-TUBE	0.800/FT	—	0.08/FT	200	180	—	TRANE 16S W/O ENCLOSURE
CUH-2	CABINET UNIT HEATER	21.8	200	2.18	200	180	1100	HORIZONTAL, RECESSED, CEILING MOUNTED. TRANE E46-A0-02 120HP/115V/1φ
—	INFRA-RED HEATERS	800	—	—	—	—	—	REFER TO SECTION 15600 → CO-RAY-VAC HEATING SYSTEM FOR EQUIPMENT STORAGE AREA

AIR HANDLING UNIT SCHEDULE										
SYMBOL	LOCATION	TYPE	CFM	FAN S.P.	HP/VOLTS/PH	MBH	COIL SP	GPM	P.D./FT. WATER	REMARKS
AHU-1	ROOF	HORZ.	12,000	1"	10/208/3φ	1100	—	—	—	TRANE MODEL DFT-1200, 20" F.C. FAN WHEEL
AHU-2	MECH. RM.	HORZ.	3,500	1 1/4"	3/208/3φ	70	0.15"	7	5	TRANE, MODEL 7A TORIVENT

PUMP SCHEDULE							
SYMBOL	SERVICE	TYPE	GPM	HEAD/FT.	H.R./VOLTS/PH	LOCATION	REMARKS
PUMP-1	HEATING	IN-LINE	25	25	3/4/115/1φ	MECHANICAL ROOM	BELL & GOSSET, IN-LINE, PD-37
PUMP-2	HEATING	IN-LINE	25	25	3/4/115/1φ	MECHANICAL ROOM	STAND-BY SERVICE, SAME AS PUMP-1

LEGEND			
EXPLANATION	SYMBOL	EXPLANATION	SYMBOL
SANITARY SEWER	S	BALL VALVE	
STORM SEWER	SD	BUTTERFLY VALVE	
RAIN LEADER	RL	PRESSURE RELIEF OR SAFETY VALVE	
COLD WATER SUPPLY	—	GATE VALVE	
DOMESTIC HOT WATER	—	GLOBE VALVE	
CIRCULATING HOT WATER	—	CHECK VALVE	
TEMPERED WATER	—	2-WAY CONTROL VALVE, PNEUMATIC	
SANITARY VENT	—	3-WAY CONTROL VALVE, PNEUMATIC	
CLEANOUT		BALANCING & SHUT-OFF VALVE	
VENT THRU ROOF		PRESSURE REDUCING VALVE	
		UNION	
STEAM SUPPLY	SS	THERMOMETER	
CONDENSATE RETURN	CR	PIPE ANCHOR	
GLYCOL HW SUPPLY OR HOT WATER SUPPLY	GHS	PIPE GUIDE	
GLYCOL HW RETURN OR HOT WATER RETURN	GHR	PIPE CONNECTOR	
		PRESSURE GAGE & COCK	
NATURAL GAS SUPPLY	G	AUTOMATIC AIR VENT	
FUEL OIL SUPPLY	FOS	PUMP	
FUEL OIL RETURN	FOR	STRAINER, BLOW OFF	
COMPRESSED AIR AIR OUTLET		OIL FILTER	
S/A OR O/A DUCT		THERMOSTAT, WALL MTD.	
R/A OR E/A DUCT		THERMOSTAT, CELL. MTD.	
S/A OR O/A R/A OR E/A		THERMOSTAT, CEIL SURFACE MOUNTED.	
WATER OPERATED VALVE		FLEXIBLE DUCT CONNECTION	
MANUAL VOLUME DAMPER		FIRE DAMPER	
AIR COIL TURNING VANES		DUCT WITH INSULATION	
SLOT DIFFUSER WITH FLEX CONNECTOR		DUCT WITH SOUND LINING	
		HIGH VELOCITY DUCT DESIGNATION	

ALL SYMBOLS DO NOT NECESSARILY APPEAR ON THE DRAWINGS.



REFUSE EQUIPMENT
WARM STORAGE BUILDING
PROJECT 80-E-92

RAJ BHARGAVA ASSOCIATES
301 E. FIREWEED LANE / ANCHORAGE
801 PIONEER ROAD / FAIRBANKS

CARLIN WILLIAMS - ARCHITECT
4707 BUSINESS PARK BLVD
ANCHORAGE ALASKA 99503
(907) 277-8689

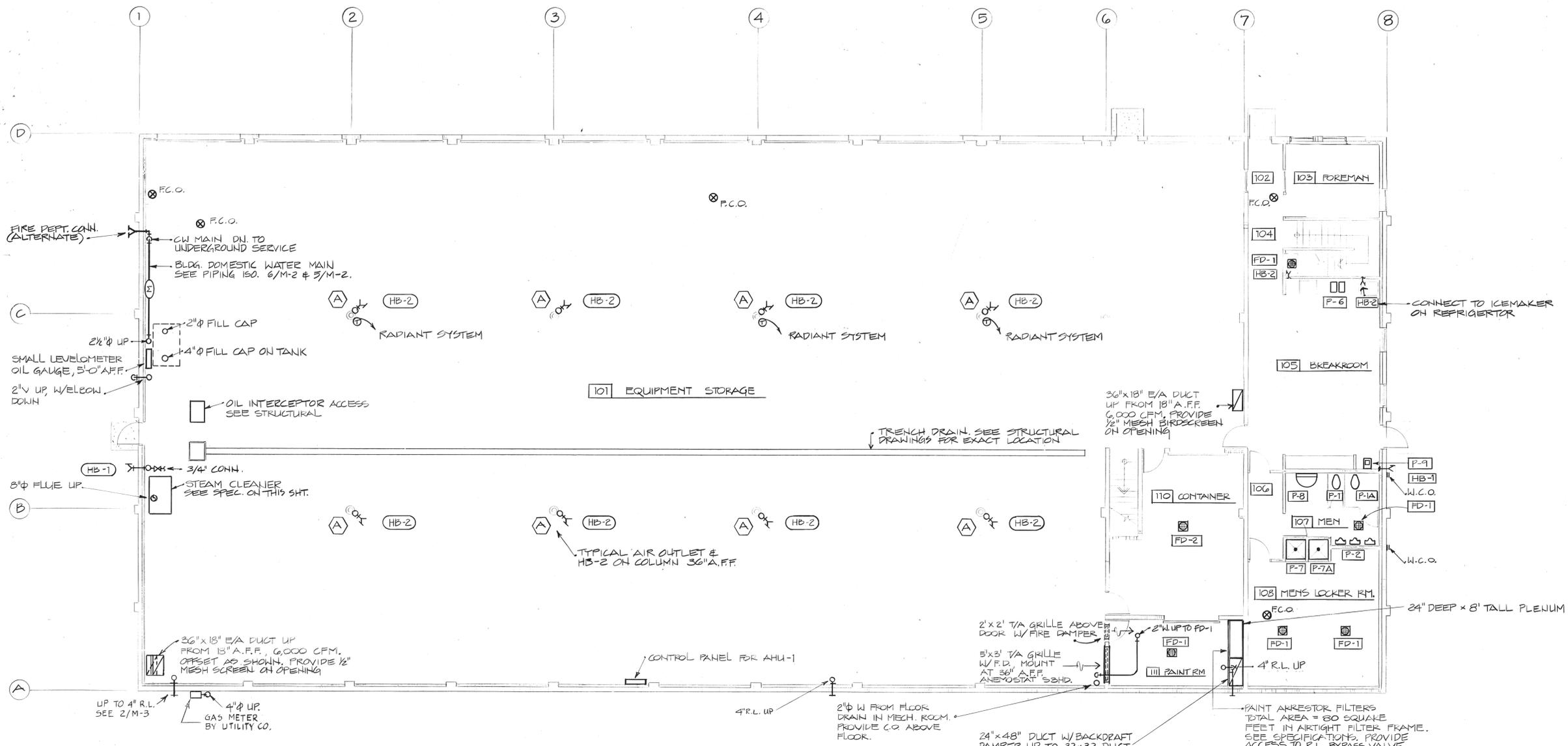
PROJECT 8101
DRAWN BY
DATE 3-24-81
REVISED

2-19-82

DRAWING

M1

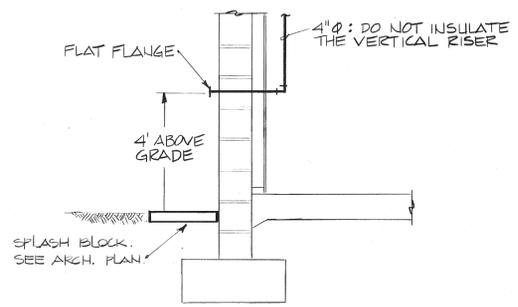
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CARLIN WILLIAMS - ARCHITECT
BY *[Signature]* DATE 9-23-84



1 GROUND LEVEL FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"

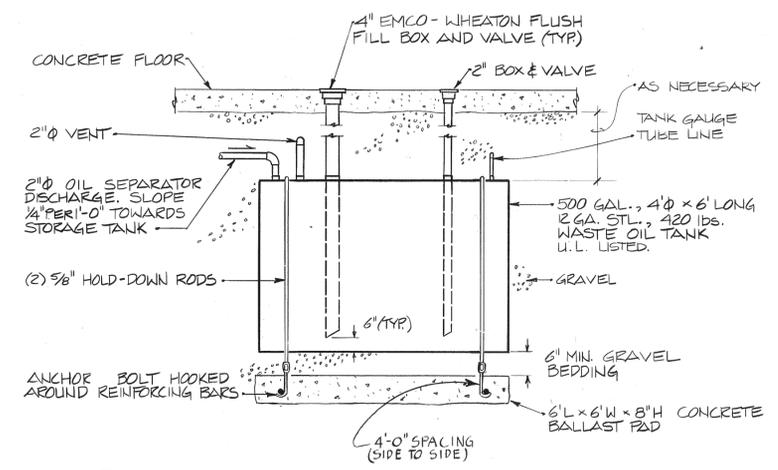


M-3



2 ROOF DRAIN SPLASH BLOCK
NOT TO SCALE

M-3



3 WASTE OIL STORAGE TANK DETAIL
SCALE 1/2" = 1'-0"

M-3

STEAM CLEANING UNIT
STEAM CLEANING UNIT SHALL BE HOTSY MODEL 880, GAS-FIRED, BURNER SHALL BE RING TYPE WITH ASPIRATING SPUDS, NATURAL DRAFT, AGA APPROVED THERMOCOUPLE PILOT SAFETY SHUT-OFF, 100 PSI OPERATING PRESSURE, 240 GPH DISCHARGE CAPACITY, 350 MBH INPUT, PUMP MOTOR 3HP/208V/3Ø. INCLUDE #8 WATER NOZZLE, THERMOSTAT, FLOW SWITCH, PRESSURE BYPASS VALVE, FLOAT VALVE, GUN WITH HAND ASSEMBLY, 40" x 3/8" DIA. HOSE. UNIT SHALL BE COMPLETELY PACKAGED, COMPLETE WITH CONTROLS, FRAME, TANKS & CABINET. CONTRACTOR SHALL CONNECT GAS, CW, POWER IN FIELD ALONG WITH GAS VENT AND DRAFT DIVERTER. ENTIRE UNIT SHALL BE GUARANTEED FOR YEAR INCLUDING PARTS & LABOR. GAS MAIN SHALL HAVE GATE VALVE, FLEX, DIRT LEG & ADAPTOR.

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DATE 9.23.04



REFUSE EQUIPMENT WARM STORAGE BUILDING
PROJECT 80-E-92

RAJ BHARGAVA ASSOCIATES

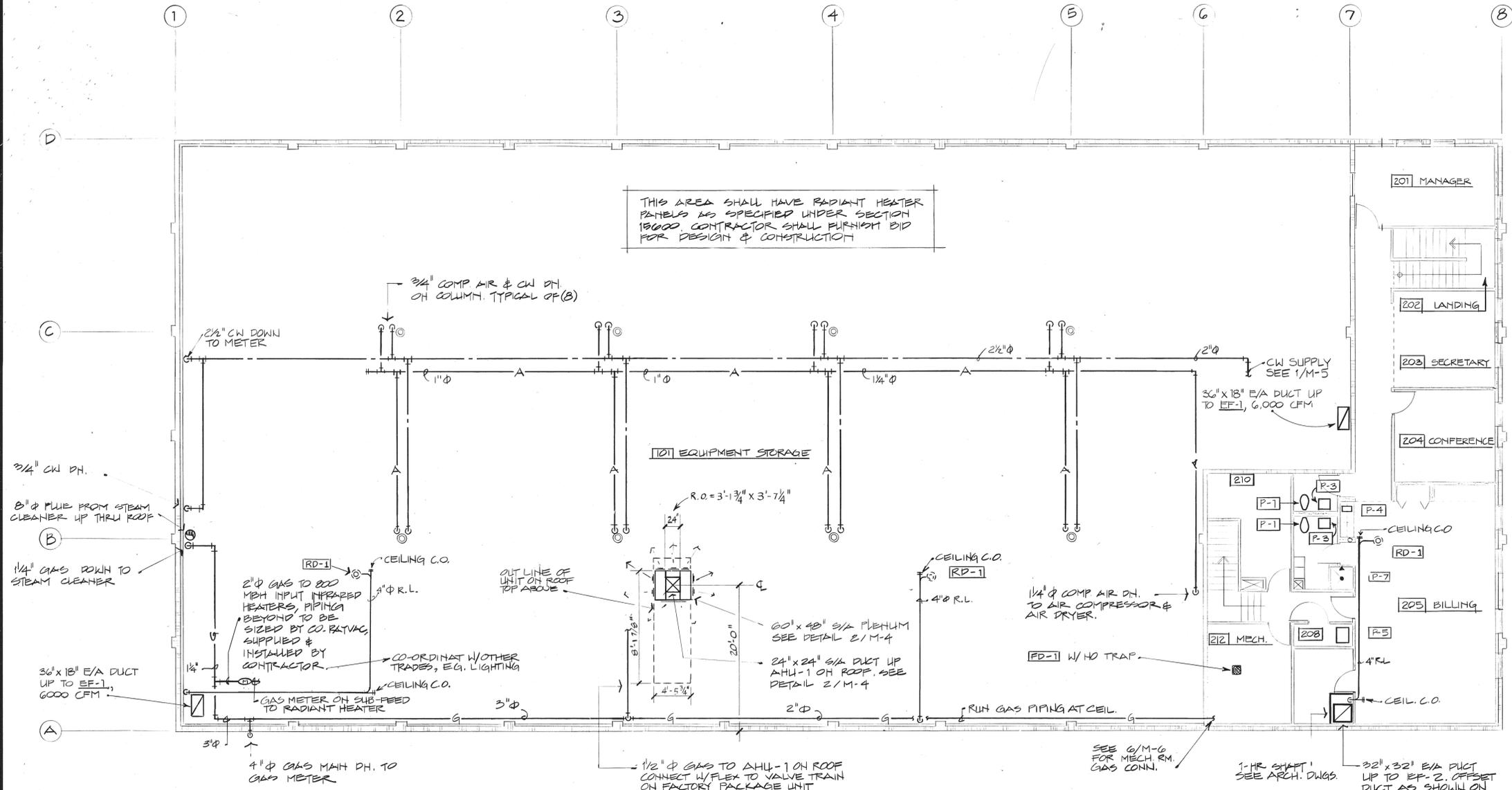
CARLIN WILLIAMS - ARCHITECT
1107 BUSINESS PARK BLVD
ANCHORAGE ALASKA 99503
(907) 277-8689

PROJECT 801
DRAWN BY
DATE 3-24-81
REVISED

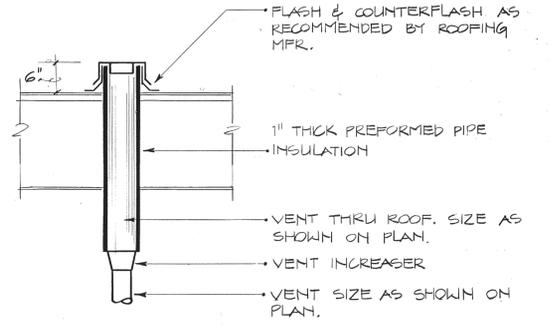


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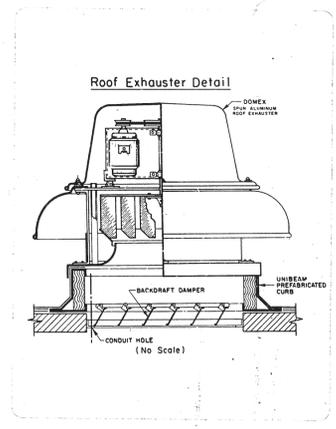
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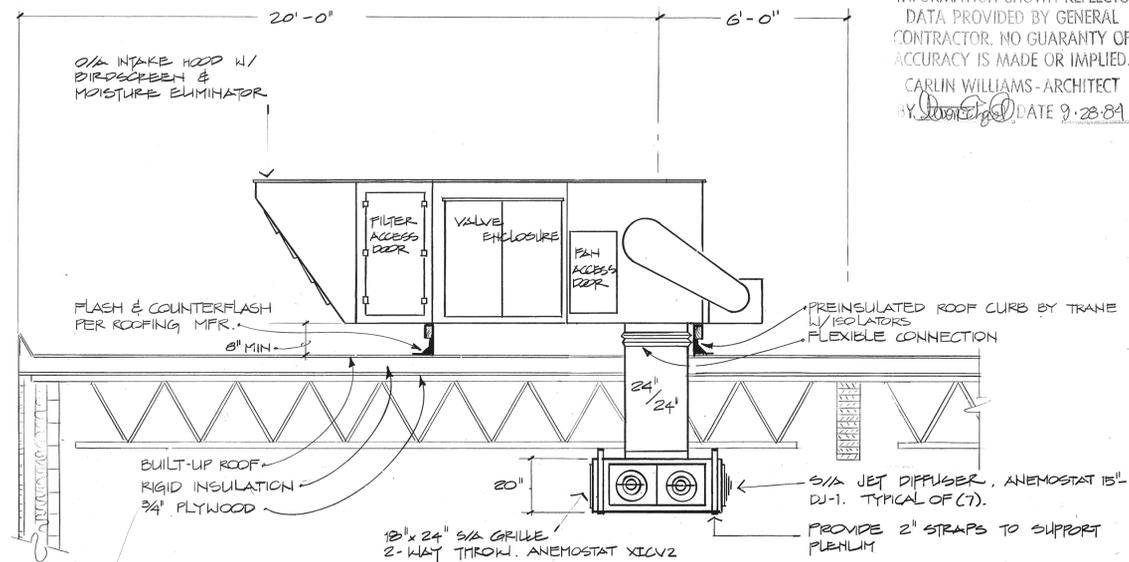
1 MEZZANINE LEVEL FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



3 VENT THRU ROOF DETAIL
M-4 NOT TO SCALE



4 EF-1 & EF-3 DETAIL
M-4 N.T.S.



2 AIR HANDLING UNIT (A.H.U.-1) DETAIL
SCALE: 3/8" = 1'-0"

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BY DATE 9-28-84

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ASSOCIATES**

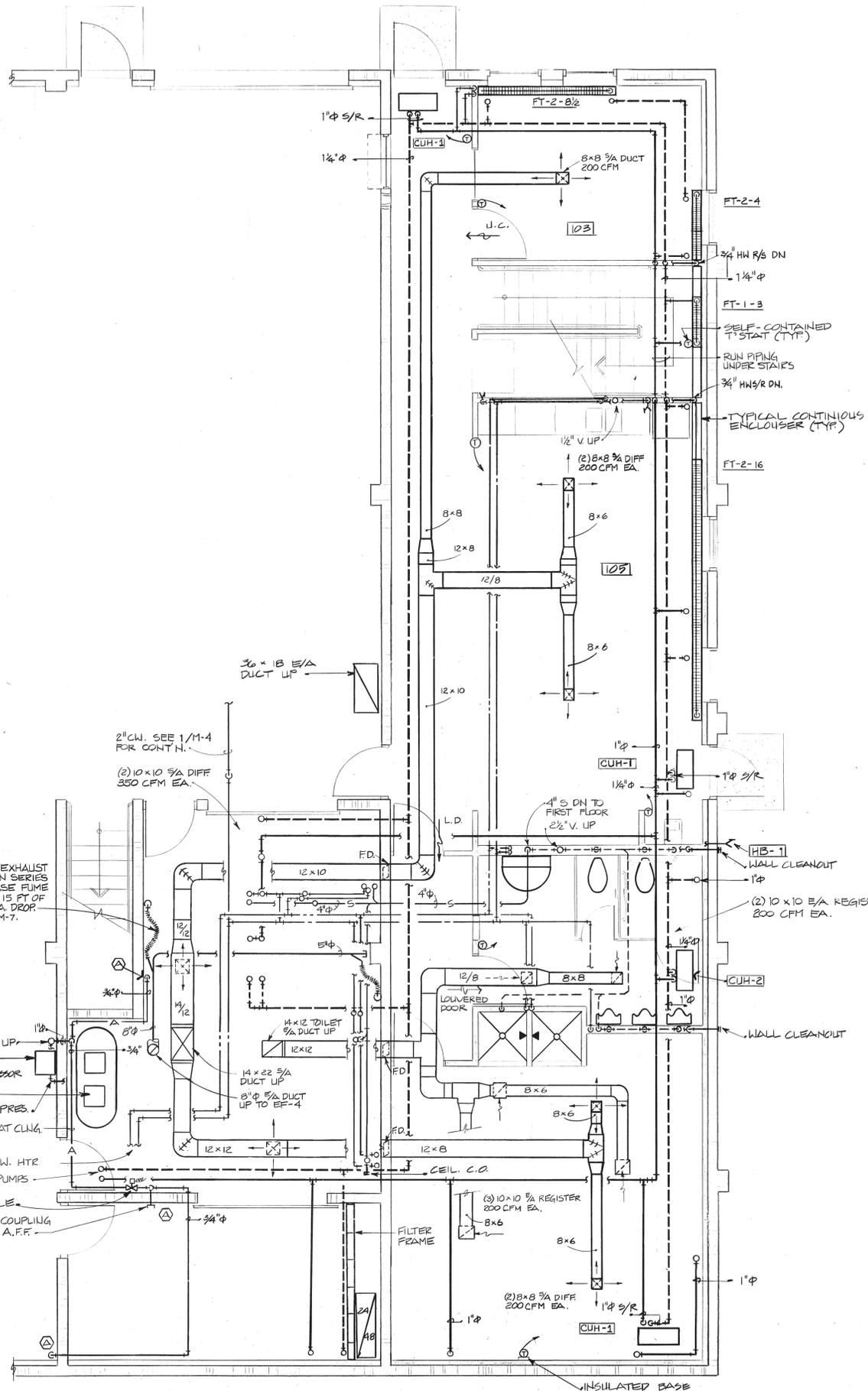
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ANCHORAGE ALASKA 99503
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2-19-82



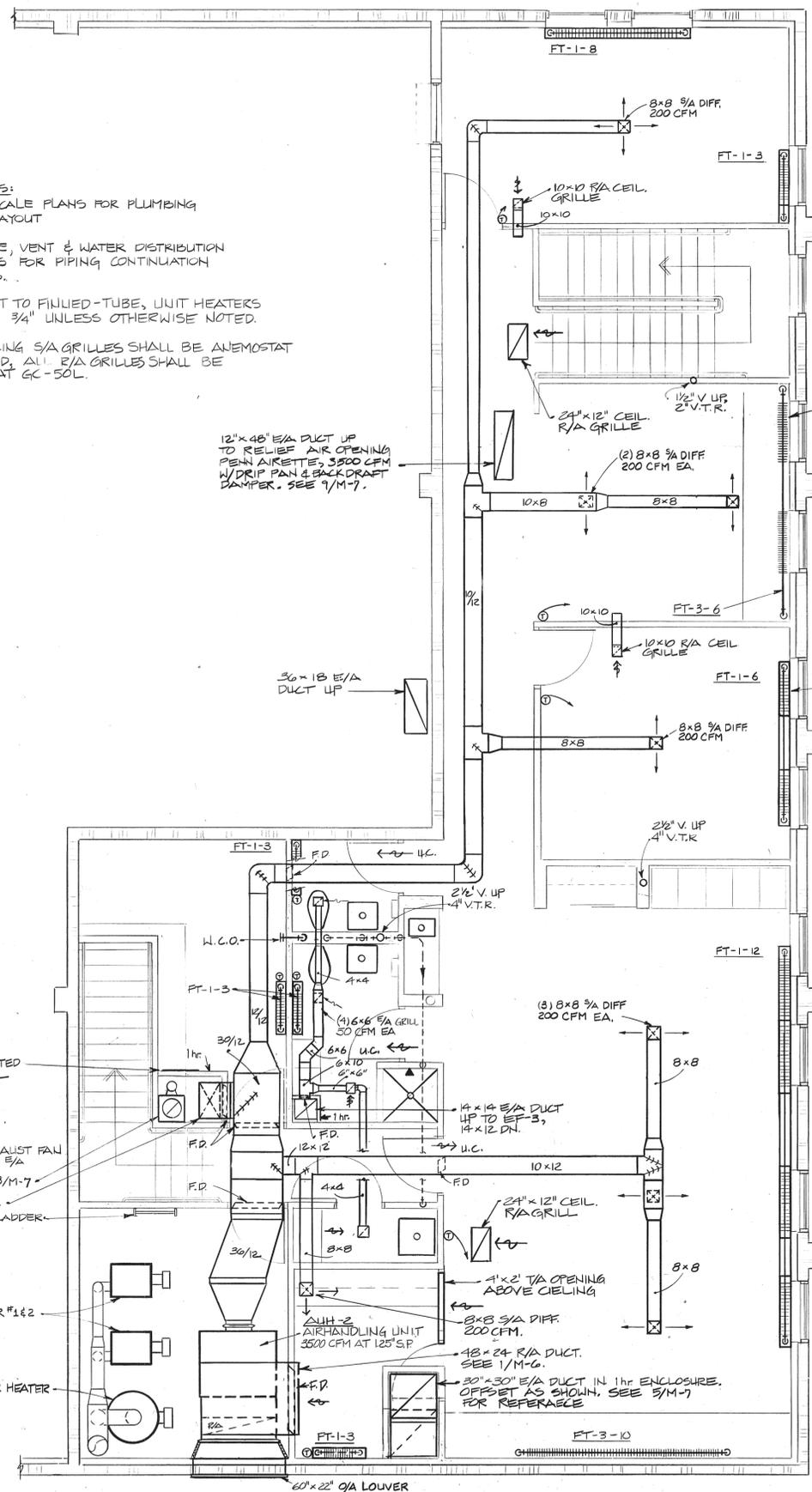
DRAWING

M4



1 ENLARGED FLOOR PLAN - MECHANICAL
 M-5 SCALE 1/4" = 1'-0"
 GROUP LEVEL

- GENERAL NOTES:
- 1/ SEE 1/8" SCALE PLANS FOR PLUMBING FIXTURE LAYOUT
 - 2/ SEE WASTE, VENT & WATER DISTRIBUTION ISOMETRICS FOR PIPING CONTINUATION AND SIZES.
 - 3/ ALL RUNOUT TO FINNED-TUBE, UNIT HEATERS SHALL BE 3/4" UNLESS OTHERWISE NOTED.
 - 4/ ALL CEILING S/A GRILLES SHALL BE ANEMOSTAT TYPE RMD. ALL R/A GRILLES SHALL BE ANEMOSTAT GC-SOL.



2 ENLARGED FLOOR PLAN - MECHANICAL
 M-5 SCALE 1/4" = 1'-0"
 MEZZANINE LEVEL

- NOTES:
- SEE ARCH. PLANS FOR EXACT LOCATION OF CABINETS.
 - PROVIDE S/A GRILLE AT TOP OF CABINET. LENGTH TO MATCH CABINETS, TITUS MODEL CT-1500, FLANGED FRAME, ELEMENT UNDER.

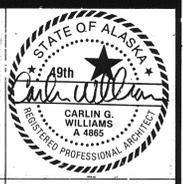
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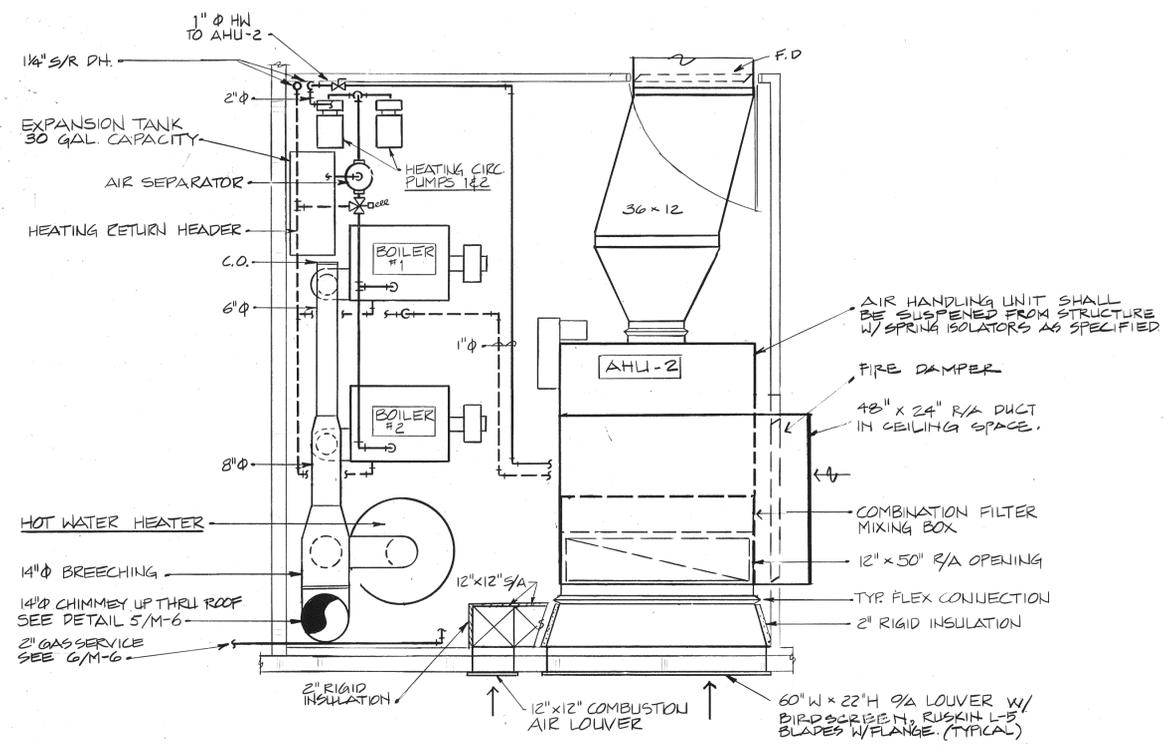
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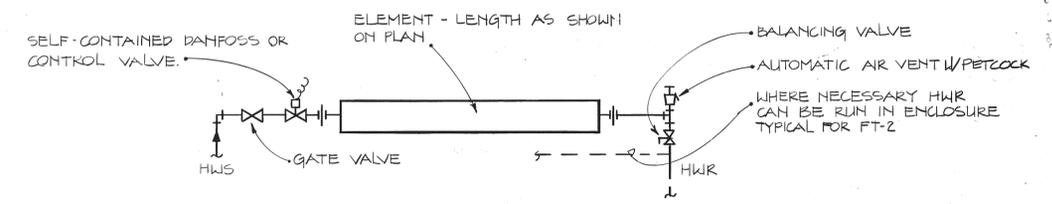
PROJECT 8101
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 DATE 3-24-81
 REVISED
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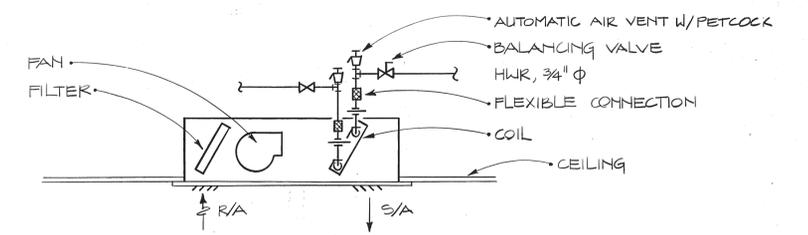
M5



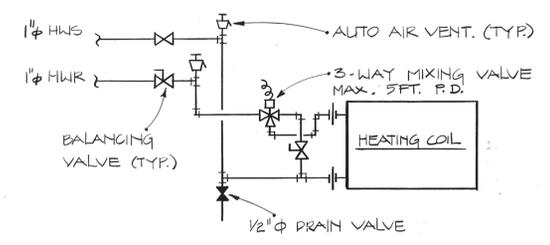
1 MECHANICAL ROOM PLAN
M-6 SCALE 1/2" = 1'-0"



2 FINNED-TUBE RADIATION PIPING (TYP.)
M-6 NOT TO SCALE

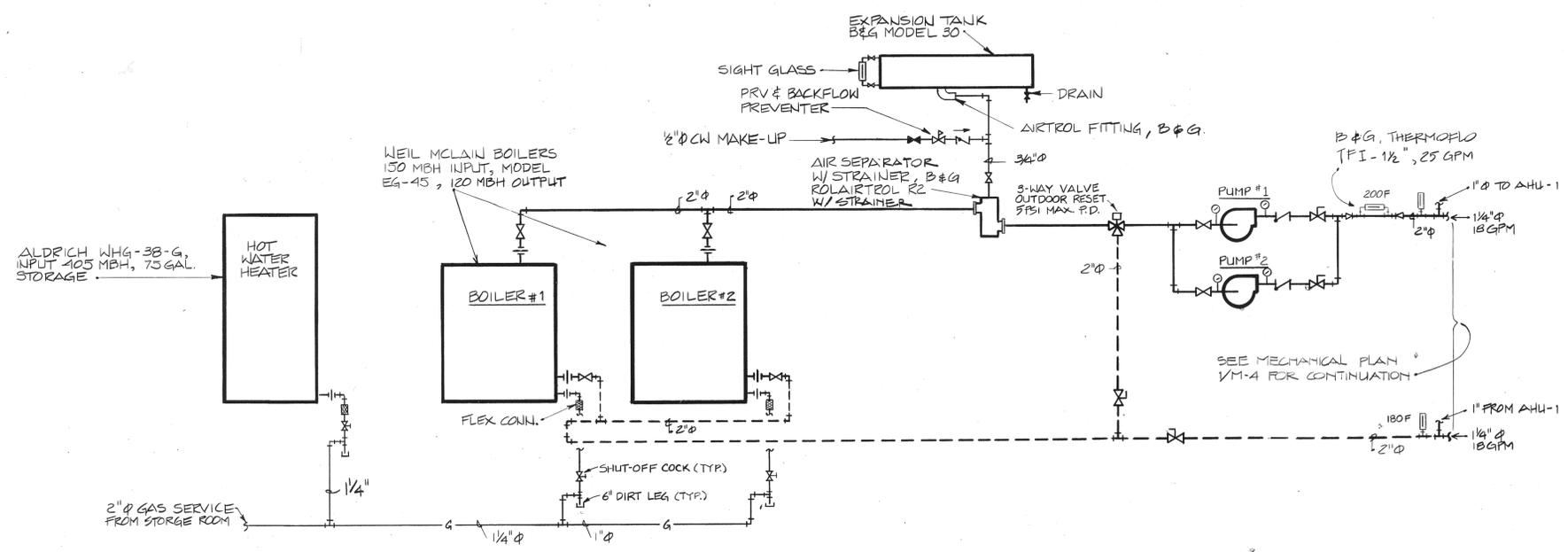


3 COIL PIPING - CABINET UNIT HEATER
M-6 NOT TO SCALE



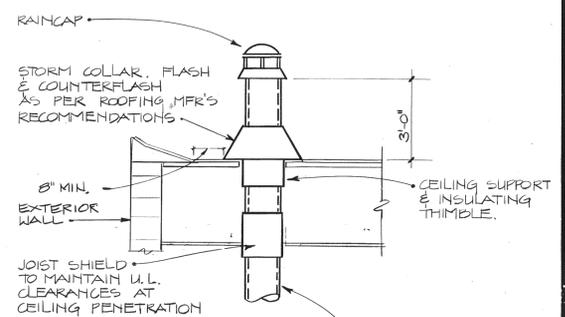
4 HEATING COIL PIPING SCHEMATIC
M-6 NOT TO SCALE

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BY [Signature] DATE 2/28/84



5 HOT WATER HEATING PIPING SCHEMATIC
M-6 NOT TO SCALE

CHIMNEY CONNECTORS SHALL BE WELDED 12 GA. BLACK STEEL W/ INSULATION.



METALBESTOS MODEL QC DOUBLE WALL TYPE B GAS VENT. CHIMNEY CONNECTION SHALL BE AS SHOWN AS POSSIBLE. SIZES AS SHOWN ON PLANS.

6 CHIMNEY THRU ROOF
M-6 NOT TO SCALE

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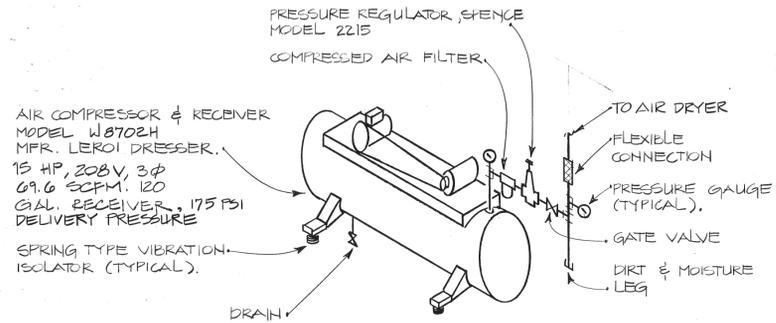
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ANCHORAGE, ALASKA 99503
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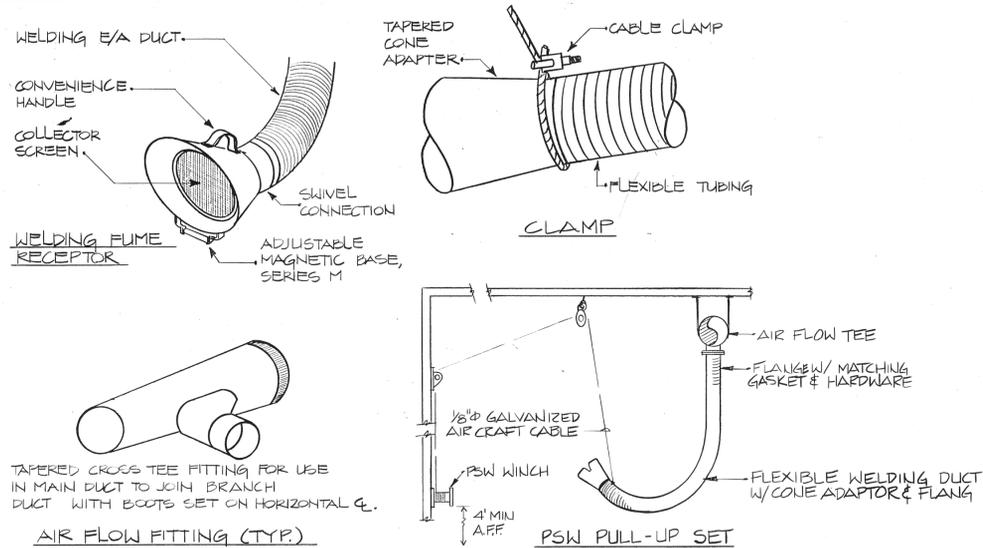
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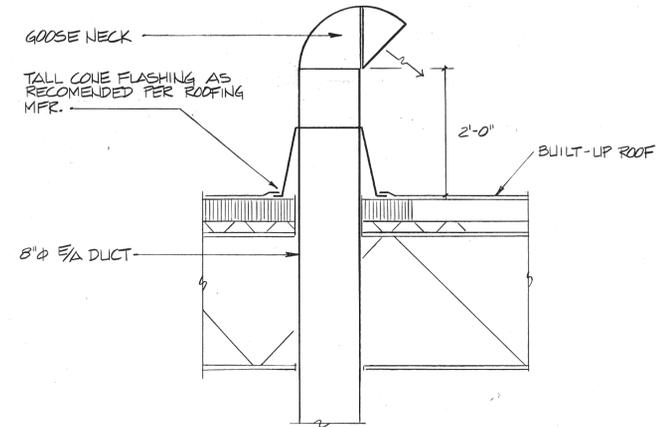
M 6



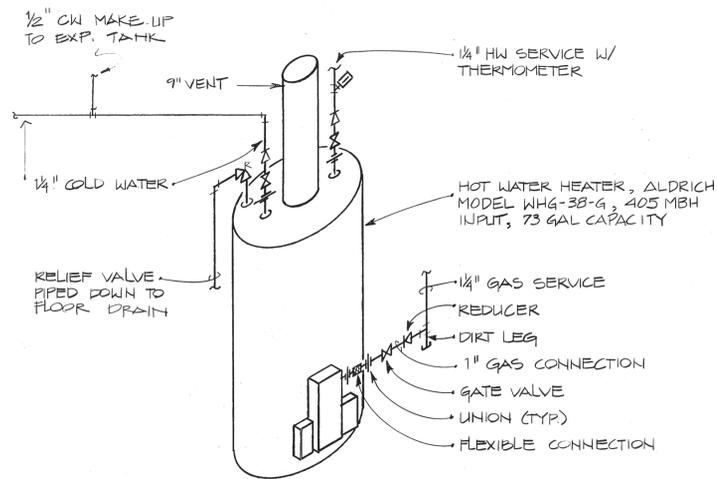
1 AIR COMPRESSOR ISOMETRIC
M-7 N.T.S.



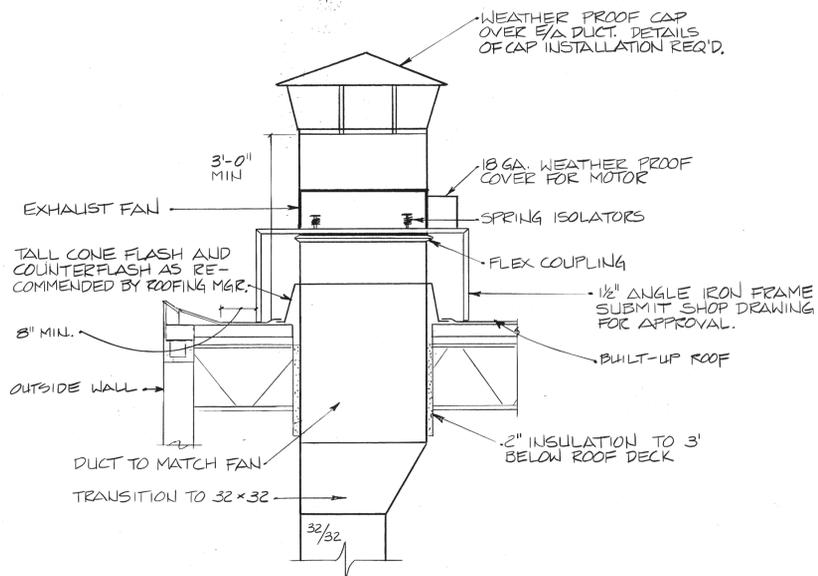
2 DUCT DETAILS
M-7 N.T.S.



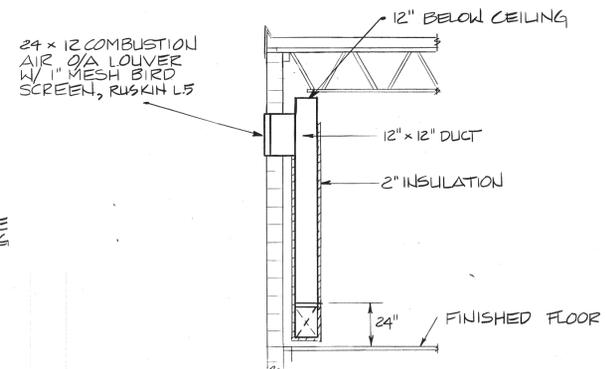
3 GOOSE NECK FOR EF-4
M-7 N.T.S.



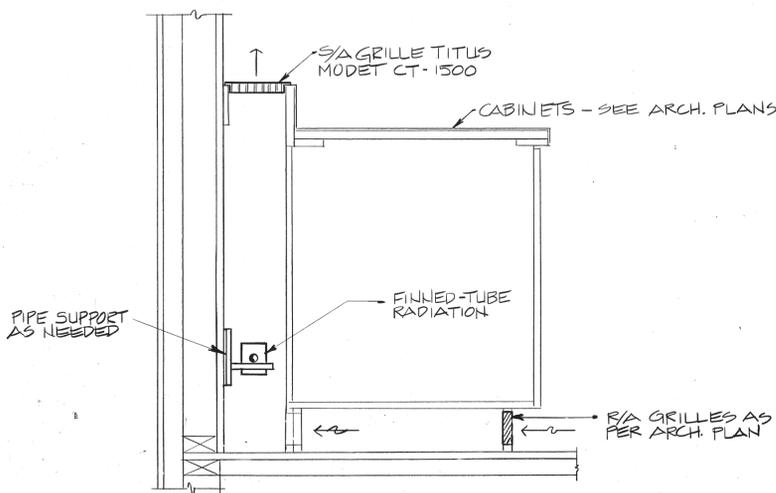
4 HOT WATER HEATER ISOMETRIC
M-7 N.T.S.



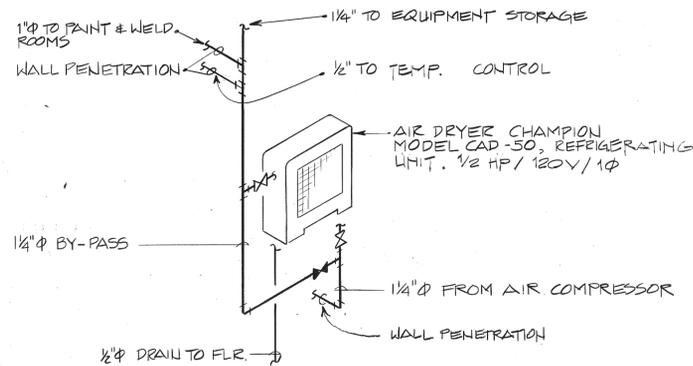
5 PAINT EXHAUST FAN DETAIL, EF-2
M-7 N.T.S.



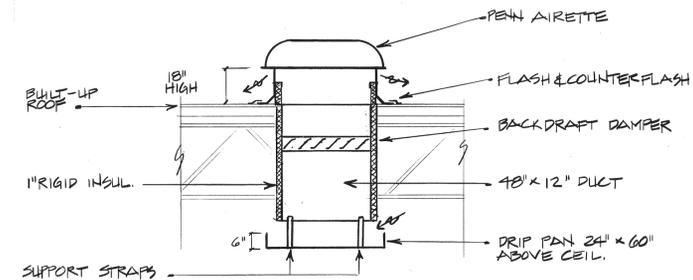
6 COMBUSTION AIR
M-7 SCALE 1/4\"/>



7 CABINET WORK DETAIL - FINNED-TUBE
M-7 SCALE 1/2\"/>



8 AIR DRYER ISOMETRIC
M-7 N.T.S.



9 RELIEF AIR OPENING
M-7 N.T.S.

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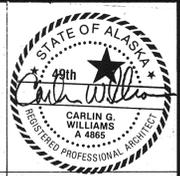


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WARM STORAGE BUILDING
PROJECT 80-E-92

RAJ BHARGAVA ASSOCIATES

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PROJECT 8101
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DATE 3-24-81
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DRAWING

M7

NOTES

- EXISTING DISPENSER MODEL 785-PR, 3/4 HP MOTOR TO BE RELOCATED. REPLACE WITH NEW COMMERCIAL DISPENSER TOXHEIM MODEL 785-2-RC-TW-PR, TWO PRODUCT HOSES, STANDARD INTERLOCK, ELEC POWER RESET, AUTO NOZZEL, DUAL SHUVEL, INTERNAL HOSE RETRIEVER, 1K GAL DELIVERY REGISTER, 1000K GAL TOTALIZER, U.L. LABEL, (2) 1" x 12' HOSES
- ALL UNDERGROUND PIPING (DASHED LINE) SHALL HAVE A MIN. BURY OF 12". AT DISPENSER ISLAND PIPING RIDER SHALL BE GROUTED INTO SIDE OF CONCRETE SLAB. DO NOT PERMIT PROTRUSIONS INTO SLAB AREA.

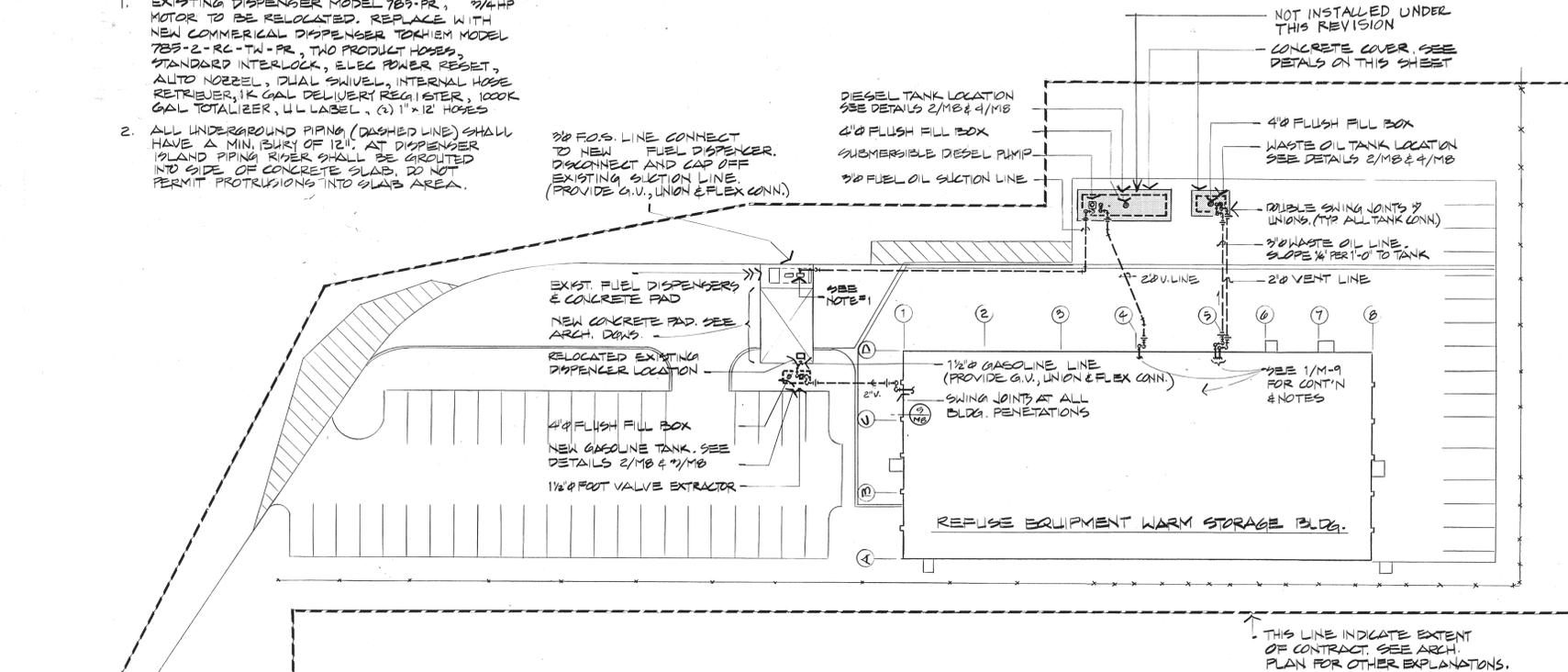
3/8" F.O.S. LINE CONNECT TO NEW FUEL DISPENSER. DISCONNECT AND CAP OFF EXISTING SUCTION LINE. (PROVIDE G.V., UNION & FLEX CONN.)

DIESEL TANK LOCATION SEE DETAILS 2/M-B & 4/M-B
 4" FLUSH FILL BOX
 SUBMERSIBLE DIESEL PUMP
 3/8" FUEL OIL SUCTION LINE

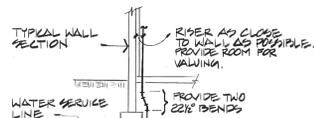
NOT INSTALLED UNDER THIS REVISION
 CONCRETE COVER, SEE DETAILS ON THIS SHEET

OIL STORAGE TANKS AND PIPING

- All fuel oil and waste oil storage tanks shall be fabricated to U.L. standards and bear the U.L. label. The arrangement and tappings shall be as detailed on the drawings. The outside of the tank shall be primed with zinc chromate and coated with two coats of Bitumastic #505 including touch-up of damaged spots prior to backfilling. Two lifting lugs shall be provided. Backfill and excavation as per requirements of Division 2 using only sand and fine gravel.
- Fuel oil piping between tank and equipment shall be Type K copper. Copper fittings shall be wrought copper with silver solder joints. Flare fittings are preferred. At Contractor's option, use Schedule 40 black steel pipe with socket weld fittings. All buried piping plastic wrapped and asphalt coated.
- Double swing joints shall be used for flexibility at all tank connections. All valves and appurtenances used throughout the system shall also be U.L. listed for fuel oil.
- A holiday detector test for all tanks shall be performed using a silicone rubber electric wire brush or coil probe testing set with an operating bells, buzzer, or other audible alarm which will sound when a holiday is detected at 10,000 volts peak, plus or minus 5%. All holidays shall be repaired and retested to ensure integrity of coating.
- Test piping at 100 psi air pressure for 1 hour. Do not pressurize tanks.

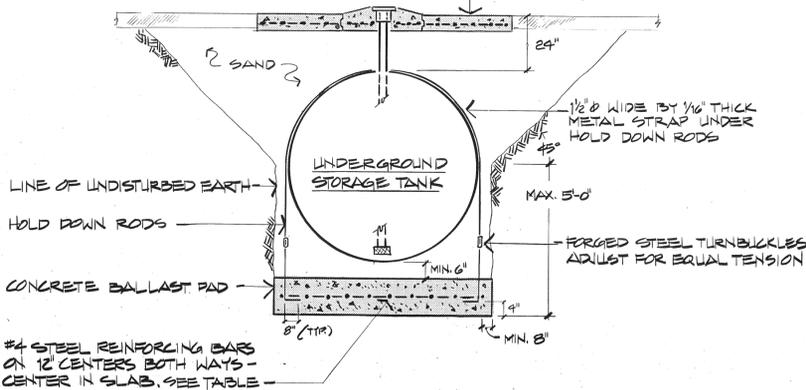


1 SITE PLAN
 M-B SCALE 1" = 30'



2 WATER SERVICE BLDG. PENETRATION
 M-B N.T.S.

CONCRETE COVER REQUIRED FOR DIESEL & WASTE OIL TANKS. SIZE 24" LONG x 14" WIDE x 6" THICK AND 14" LONG x 8" WIDE x 6" THICK RESPECTIVELY. DIVIDE SLAB INTO 6 EQUAL PARTS w/ 1" x 1/4" SAW CUT CONTROL JOINTS. SEE S-1 FOR DETAIL. PROVIDE #5 STEEL REINFORCING BARS ON 10" CENTERS BOTH WAYS - CENTER IN SLAB. VALVE BOX PADS SHALL BE 24" x 24" x 6" HIGH w/ (2) #5 REINFORCING BARS EA. SIDE w/ SHEER JOINT CONN.

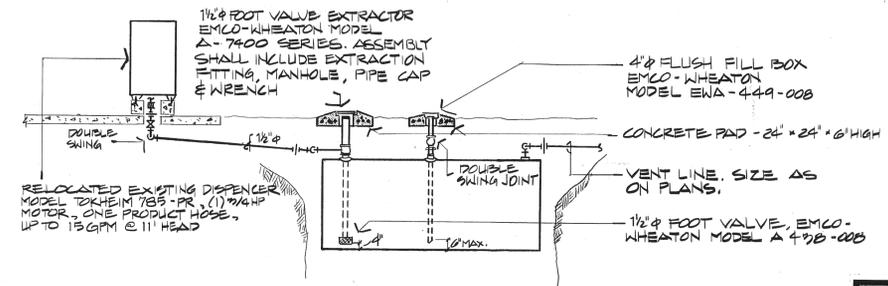


2 TRENCH AND BALLAST PAD DETAIL
 M-B NOT TO SCALE

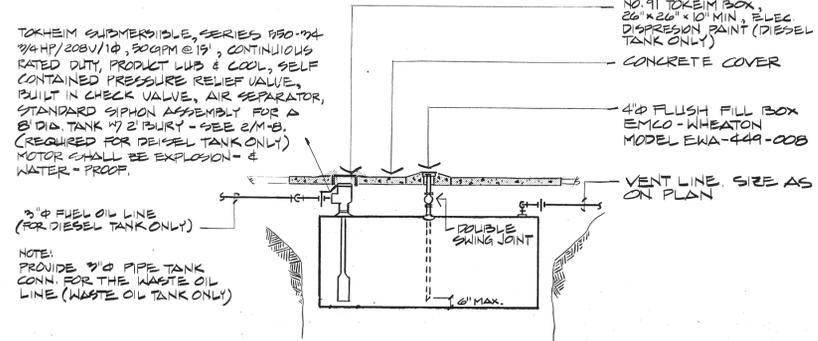
UNDERGROUND TANK & PAD SCHEDULE			
EXPLANATION	GASOLINE TANK	DIESEL TANK	WASTE OIL TANK
TYPE/STYLE	UNDERGROUND/GAS	UNDERGROUND/OIL	UNDERGROUND/OIL
ACE TANK, PARTS NO.	1300 GP	12000	2500
NOMINAL GAL.	1300	12000	2500
APPROX. DIA.	60"	93"	75 1/2"
APPROX. LENGTH	10"	37"	11"
Gauge STEEL	6	2	6
SHIPPING WT.	1380 =	9300 =	2210 =
BUOYANT FORCE	12300 =	100000 =	20877 =
%OL ABOVE TANK	4134 =	21470 =	6846 =
BALLAST PAD WT.	7069 =	6746 =	12614 =
PAD WIDTH	8'	5'	5'
PAD LENGTH	11'	3'	10'
PAD DEPTH	11"	28"	12"
NO. & DIA. HOLD RODS / SET	2 - 3/8"	4 - 1"	2 - 3/8"

UNDERGROUND STORAGE TANKS SHALL CONFORM TO THE LATEST UNDERWRITERS LABORATORIES INC. STANDARD 58, TESTED TIGHT AND BEARING THE U.L. LABEL. TANKS SHALL HAVE FLAT FLORED HEADS AND THE CIRCUMFERENTIAL SHELL JOINTS SHALL BE JOUGLED. ALL JOINTS SHALL BE BUTT TYPE. TANKS SHALL BE MANUFACTURED BY ACE TANK & EQUIPMENT OR APPROVED EQUAL.

- BITUMASTIC COATING
- HOLIDAY DETECTOR TEST
- DOUBLE SWING JOINTS ON ALL TANK CONNECTIONS.
- ALL UNDERGROUND OIL PIPING SHALL BE SCHEDULE 40 BLACK STEEL, WELDED, COATED WITH ASPHALT, WRAPPED IN TWO LAYERS OF G.M.I. VIGRUEEN.



3 GASOLINE TANK AND PUMP PIPING DETAIL
 M-B NOT TO SCALE



4 DIESEL & WASTE OIL TANK PIPING DETAIL
 M-B NOT TO SCALE

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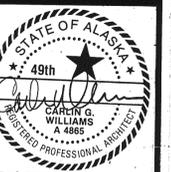


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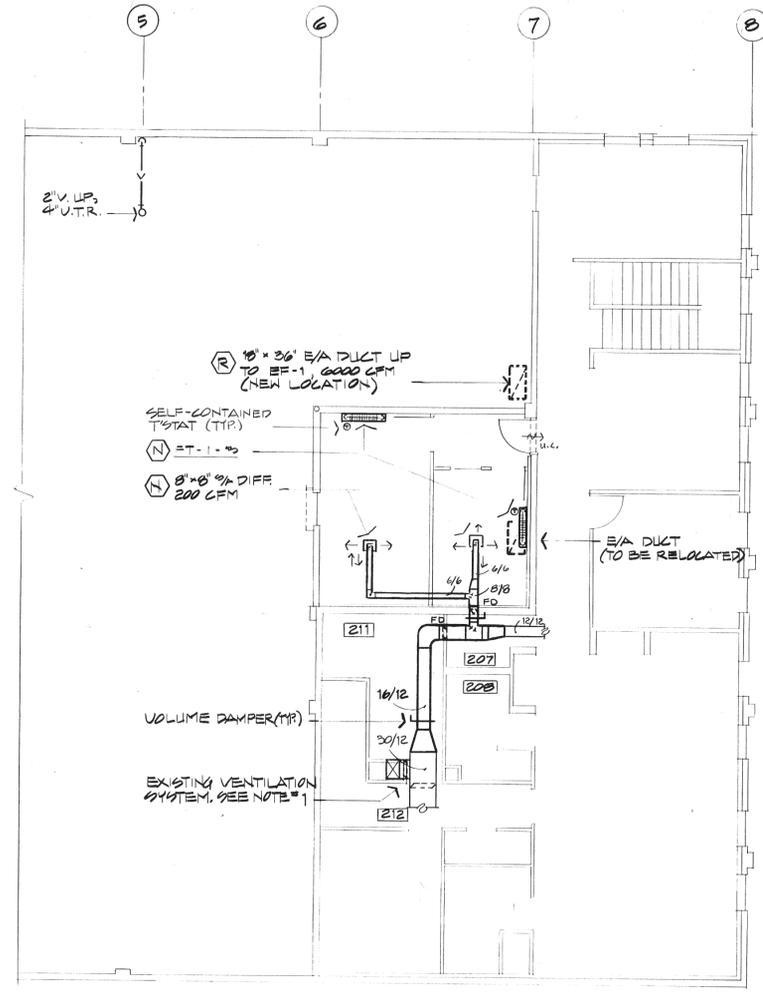
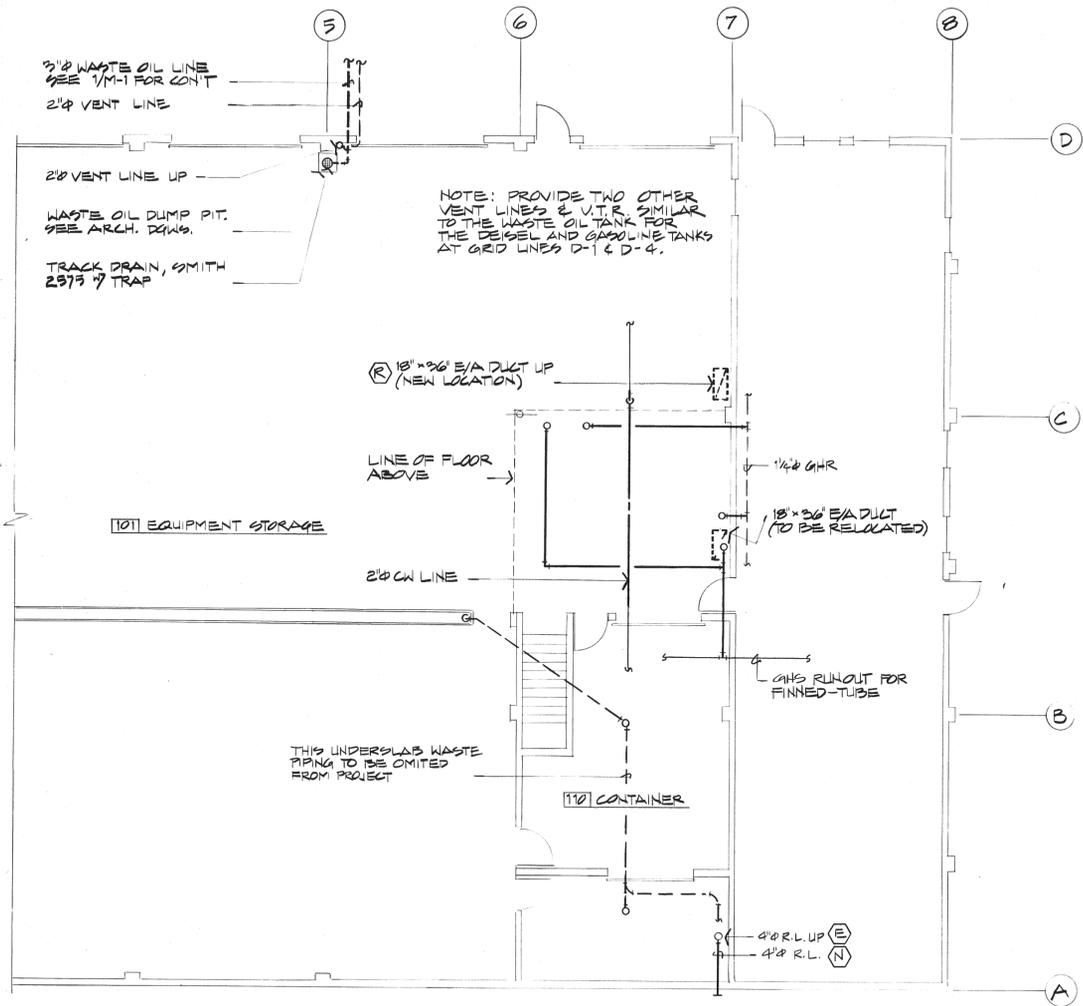
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PROJECT: WI-01
 DRAWN BY: CLL
 DATE: 07/5/82
 REVISED:



DRAWING

M-8



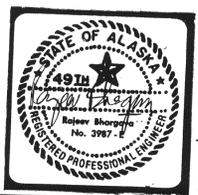
1 PARTIAL MECHANICAL PLAN - GROUND LEVEL
M-9 SCALE 1/8" = 1'-0"

2 PARTIAL MECHANICAL PLAN - UPPER LEVEL
M-9 SCALE 1/8" = 1'-0"

LEGEND		
SYMBOL	EXPLANATION	LINE DESIGNATION
(H)	NEW EQUIPMENT TO BE INSTALLED	SOLID HEAVY
(R)	EXISTING EQUIPMENT TO BE RELOCATED	DASHED HEAVY
(E)	EXISTING EQUIPMENT TO REMAIN AS IS	SOLID LIGHT

EITHER ONE OR BOTH THE LEGEND SYMBOLS OR LINE DESIGNATION CAN INDICATE WORK REQUIRED

- NOTES
- THE EXISTING AIR HANDLING UNIT, AHU-1 SHALL BE REVISED TO PROVIDE 3,900 CFM. ALL OTHER FEATURES TO REMAIN AS IS.
 - ALL WORK ON THIS DRAWING & M-8 IS IN ADDITION TO THE MECHANICAL WORK ON SHEETS M-1 THRU M-7 IN THE ORIGINAL CONTRACT SEE DATED FEBRUARY 9, 1982 INCLUDING THE SPECIFICATIONS.

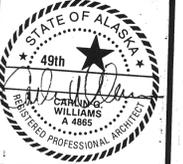


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PROJECT WI-01
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DATE 01/5/82
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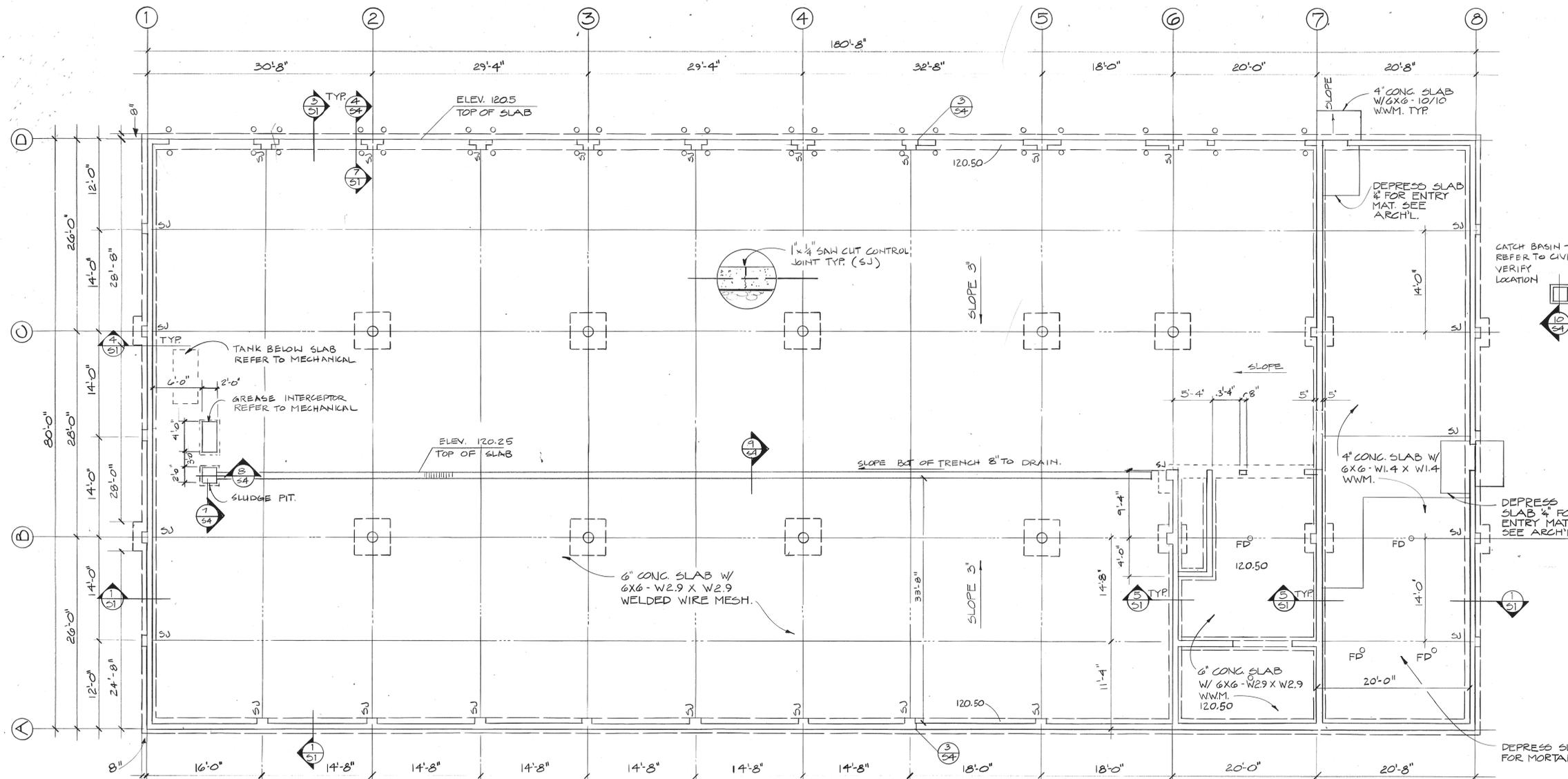


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M-9

4 OF 5

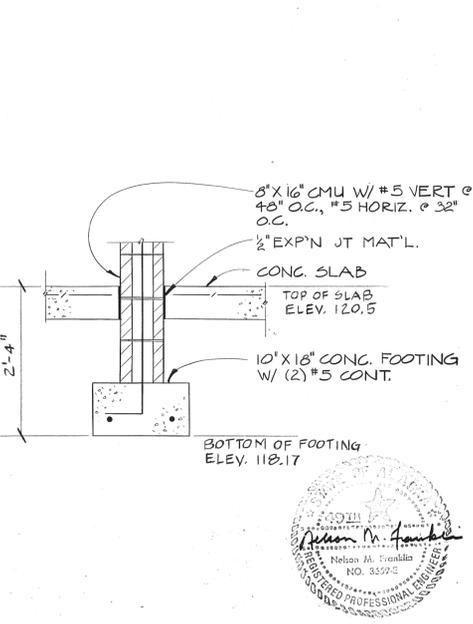
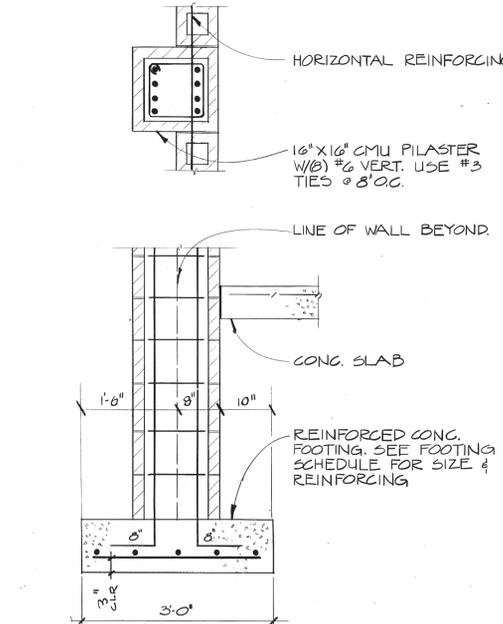
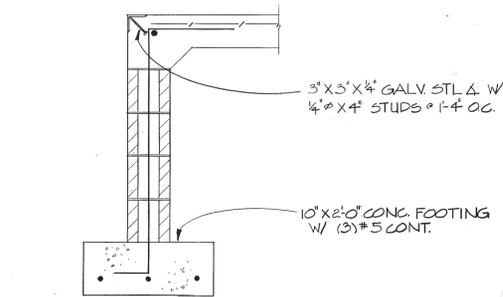
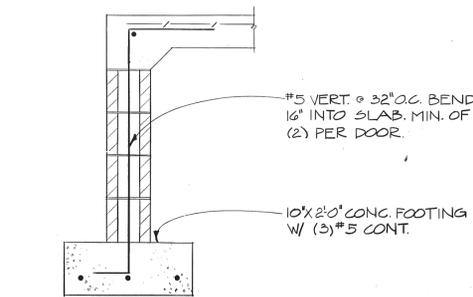
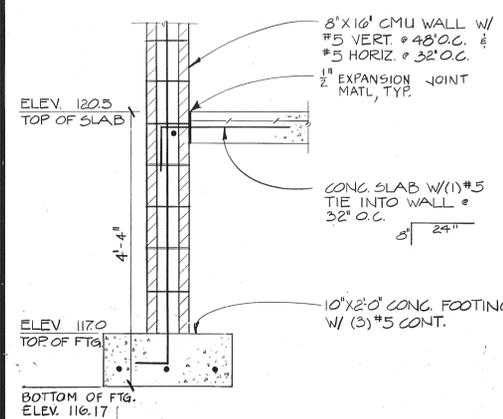


FOOTING SCHEDULE			
GRID	SIZE	REINFORCING	DETAIL
A1 - A8	10' X 2'0" CONG.	(3)#5 CONT.	1 / S1
B1	3'0" X 4'0" X 1'0"	(5)#5 E.W.	4 / S1
B2	5'0" X 5'0" X 1'0"	(6)#5 E.W.	2 / S2
B3			
B4			
B5	5'0" X 5'0" X 1'0"	(6)#5 E.W.	2 / S2
B6	4'0" X 4'0" X 1'0"	(5)#5 E.W.	
B7	4'0" X 4'0" X 1'0"	(5)#5 E.W.	
B8	3'0" X 4'0" X 1'0"	(5)#5 E.W.	4 / S1
C1	3'0" X 4'0" X 1'0"	(5)#5 E.W.	4 / S1
C2	5'0" X 5'0" X 1'0"	(6)#5 E.W.	2 / S2
C3			
C4			
C5			
C6	3'0" X 5'0" X 1'0"	(6)#5 E.W.	2 / S2
C7	4'0" X 4'0" X 1'0"	(5)#5 E.W.	
C8	3'0" X 4'0" X 1'0"	(5)#5 E.W.	4 / S1
D1 - D8	10' X 2'0" CONG.	(3)#5 CONT.	1 / S1

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



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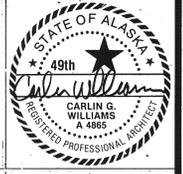


RUFUSE EQUIPMENT
WARM STORAGE BUILDING
PROJECT 80-E-92

FRANKLIN & ALLEN
consulting engineers

CARLIN WILLIAMS ARCHITECT
470 BUSINESS PARK BLVD
ANCHORAGE, ALASKA 99503
907.277.8689

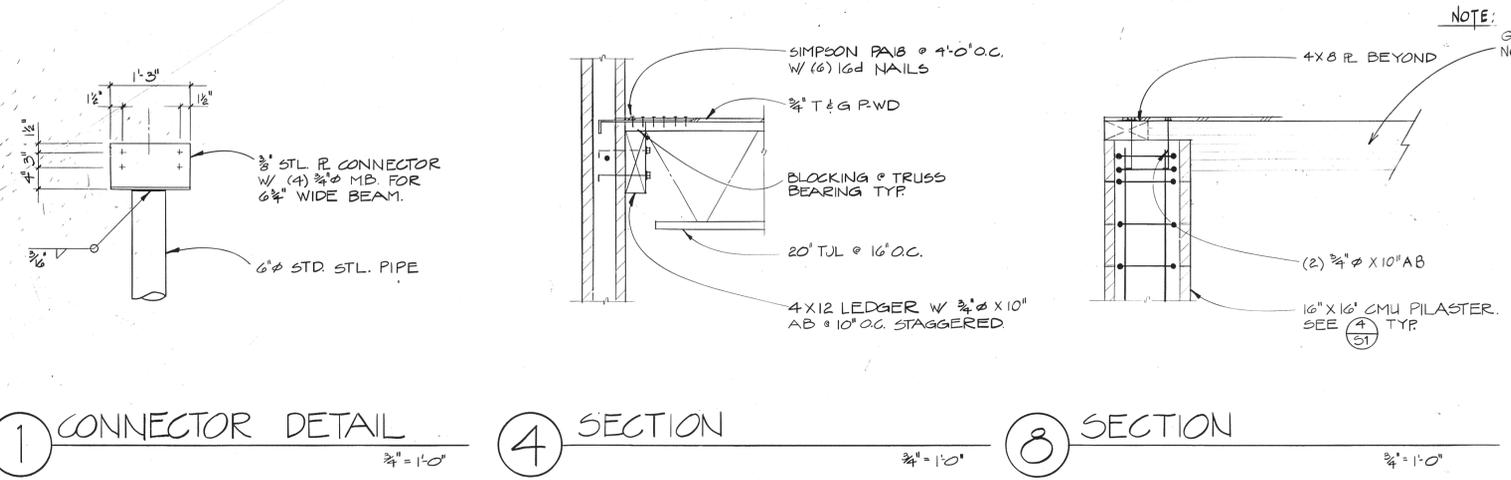
PROJECT 801
DRAWN BY
DATE 5-6-81
REVISED



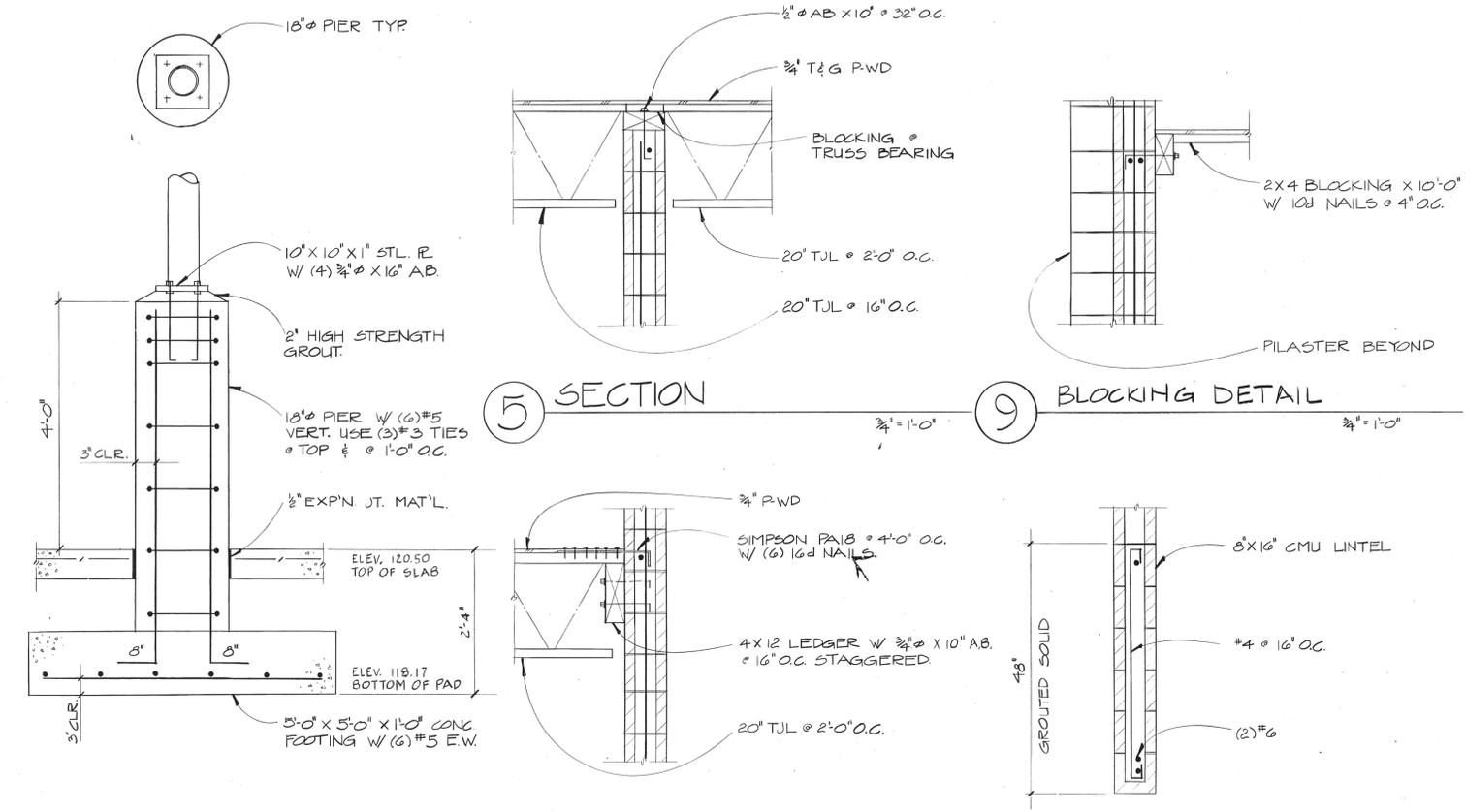
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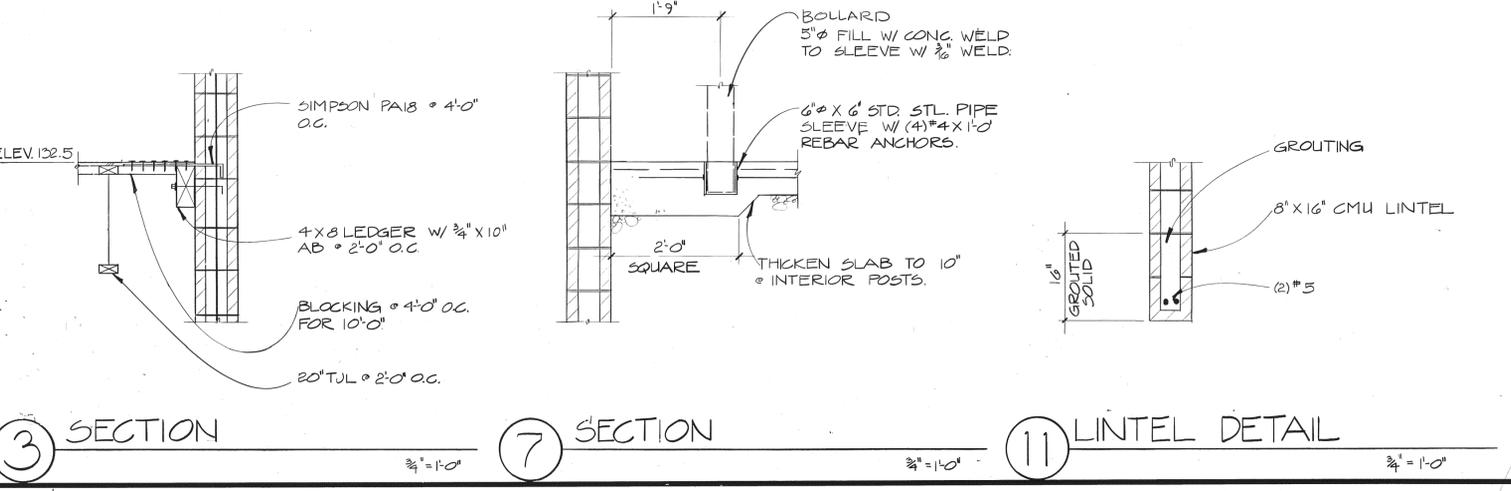
S1



1 CONNECTOR DETAIL 3/4" = 1'-0"
 4 SECTION 3/4" = 1'-0"
 8 SECTION 3/4" = 1'-0"

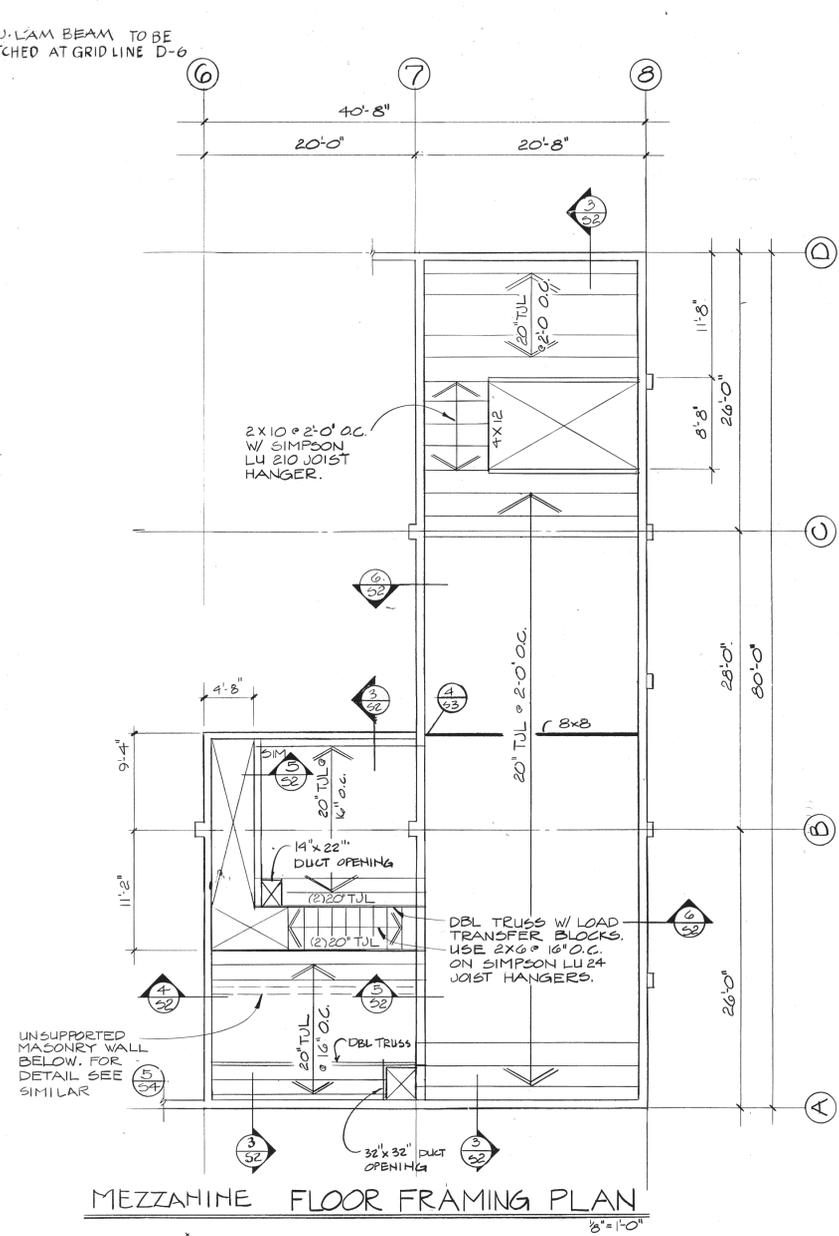


2 FOOTING DETAIL 3/4" = 1'-0"
 5 SECTION 3/4" = 1'-0"
 9 BLOCKING DETAIL 3/4" = 1'-0"



3 SECTION 3/4" = 1'-0"
 7 SECTION 3/4" = 1'-0"
 11 LINTEL DETAIL 3/4" = 1'-0"

NOTE: GLU. LAM BEAM TO BE NOTCHED AT GRID LINE D-6



MEZZANINE FLOOR FRAMING PLAN 1/8" = 1'-0"

LINTEL SCHEDULE				
SPAN	GROUTED DEPTH	BOT. STEEL	TIES	DETAIL
TO 4'-0"	8"	(2) #5	NONE	NONE
TO 8'-0"	16"	(2) #5	NONE	11 / 52
TO 12'-0"	48"	(2) #6	#4 @ 16" O.C.	10 / 52

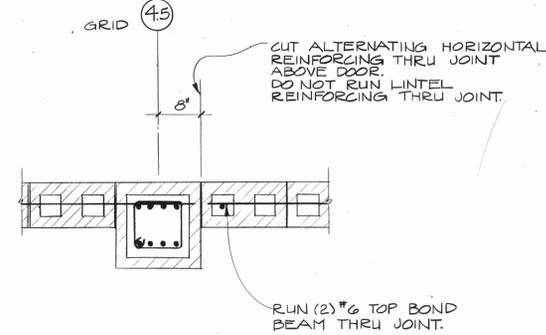
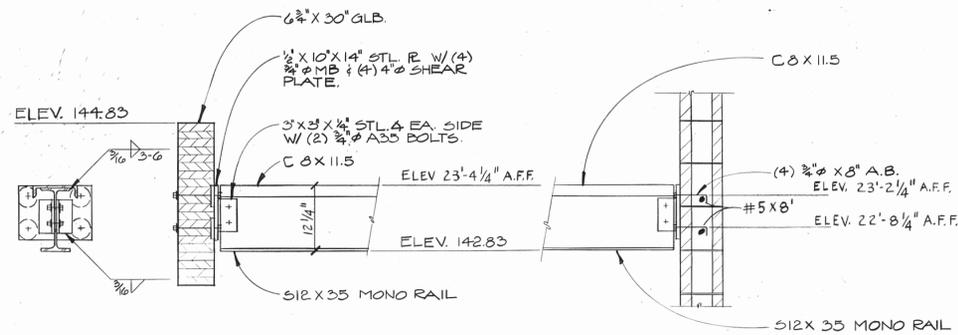


REFUSE EQUIPMENT
 WARM STORAGE BUILDING
 PROJECT: 80-E-92
FRANKLIN & ALLEN
 consulting engineers

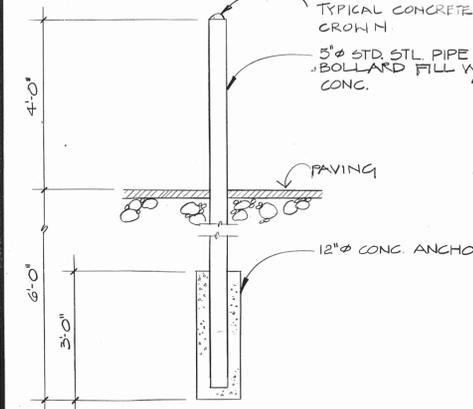
CARLIN WILLIAMS - ARCHITECT
 414 BRUNYSS PARK BLVD
 ANCHORAGE, ALASKA 99503
 (907) 277-8689

PROJECT	8101	
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DATE	5-6-81	
REVISED		
DRAWING		S2
BY <i>Carlin Williams</i> DATE 9-28-89		

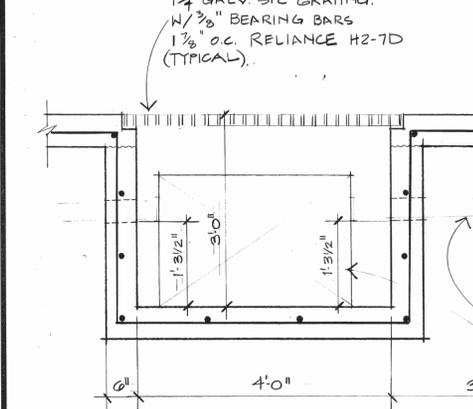
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 BY *Carlin Williams* DATE 9-28-89



1 MONO-RAIL DETAIL 3/4" = 1'-0"

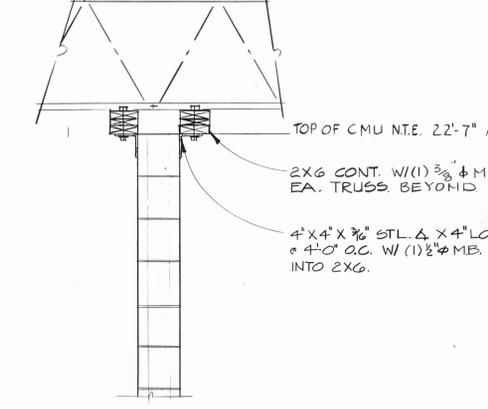


4 BOLLARD DETAIL 1/2" = 1'-0"

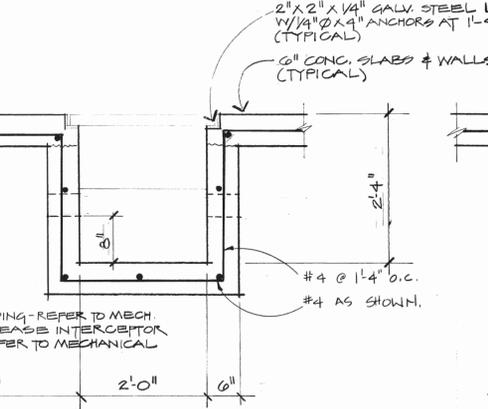


7 UTILITY & SLUDGE PITS 3/4" = 1'-0"

2 MONO RAIL DETAIL 3/4" = 1'-0"

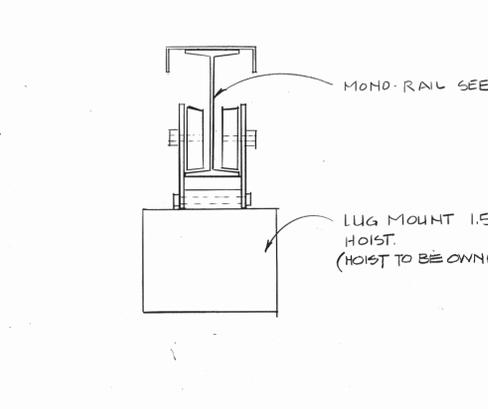


5 DETAIL OF UNSUPPORTED CMU WALL 3/4" = 1'-0"

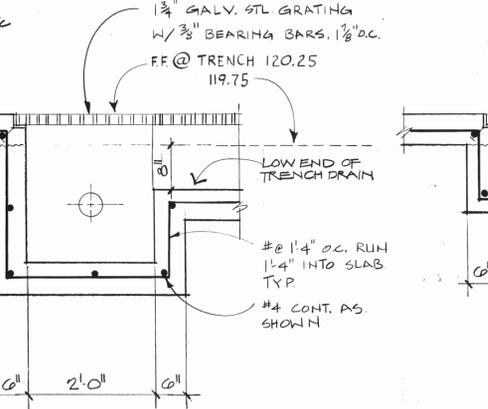


8 SLUDGE PIT 3/4" = 1'-0"

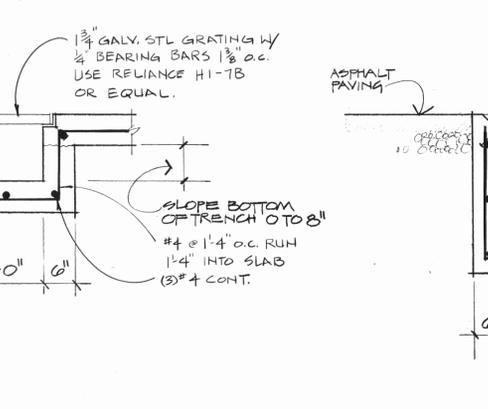
3 MASONRY VERTICAL CONTROL JOINT 3/4" = 1'-0"



6 MONO-RAIL DETAIL 3/4" = 1'-0"



9 TRENCH DRAIN 3/4" = 1'-0"



10 EXTERIOR WASH BAY CATCH BASIN 3/4" = 1'-0"

STRUCTURAL NOTES:

- DESIGN LOADINGS:
 - Snow Live Load = 40 psf
 - Dead Load/ Roof = 15 psf
 - Wind Live Load = 20 psf
 - Seismic Zone 4
 - Floor Live Load = 50 psf
 - Office = 50 psf
 - Mech.-Storage = 125 psf
 - Partition = 20 psf
 - Floor Dead Load = 15 psf
- ALLOWABLE DESIGN STRESSES:
 - Concrete f'c = 3,000 psi @ 28 days (ACI Code)
 - Reinforcing Steel fy = 40,000 psi (ASTM, A-615)
 - Welded Wire Mesh fy = 60,000 psi (ASTM, A-185)
 - Soil Bearing = 2,500 psf
 - Glu-Lam Timber fb = 2,200 psi dry condition use
 - Structural Steel fy = 36,000 psi (A-36)

FOUNDATION:

- All organics, frost susceptible material, old septic tanks, leach pits, and remnants of old construction encountered during excavation for footings to be removed and replaced with NFS structural fill. All NFS fill to be compacted to 95% MD. Excavate a minimum of 2'-0" below footings.
- Compact existing soil to 95% minimum density before footings, slabs, or structural fill is placed.

CONCRETE:

- Mixing and placing of all concrete and selection of materials shall be in accordance with UBC, and ACI Code 318-77. Proportions of aggregate to cement shall be such as to produce a dense workable mix which can be placed without segregation or excess free surface water.
- Concrete slabs to be 4" in thickness unless otherwise shown on the plans. All concrete to be Class "A" f'c = 3,000 psi w/ 4% air ± 1%.
- Place slab reinforcing in center of slab. Hold in place with chairs or cured concrete blocks.
- Reinforcing details to be in accordance with ACI Detailing Manual 315-80 and CRSI "Placing Reinforcing Bars".
- Bars shall be securely tied in place with #16 double annealed iron wire. Bars shall be supported on approved chairs or well-cured concrete blocks.
- Minimum depth of cover for reinforcing to be:
 - Concrete placed on ground 3"
 - Formed surfaces exposed or on ground 1 1/2"
 - Interior surfaces exposed 3/4"
- For continuous reinforcing use minimum lap splices for:
 - #4 Bar = 20"
 - #5 Bar = 25"
 - #6 Bar = 30"

MASONRY NOTES:

- All 8" concrete block walls to be reinforced as shown on the plans.
- Grout (1) cell vertical on each side of all wall openings with (2) #5 for 8" CMU walls unless otherwise shown on plans.
- Mortar shall be type S or Type M - 1,800 psi @ 28 days. Grout shall be class "A" concrete, f'c = 3,000 psi @ 28 days. Grout all cells containing reinforcing.

LUMBER GRADES:

- Structural Grade Lumber shall comply with the National Lumber Manufacturers Association "National Specifications for Stress Grade Lumber". Lumber shall be Construction Grade, f = 1,000 psi, or better.
- All nailing shown is in addition to nailing required in Table No. 25-P of the Uniform Building Code. Fully nail all holes in hangers.

GLU-LAM MEMBERS:

- Structural glued laminated timber shall comply with PS 56-73 standards, dry condition of use for Douglas fir and larch.
- Glu-lam members to be F1F, HEM-F1F, coast region kiln dried, stress grade, combination 22F, fb = 2,200 psi.

PLYWOOD:

- Roof sheathing: 3/4" C-DX plywood (42/20 panel). Fasten with 10d nails 4" o.c. at diaphragm boundaries, 6" o.c. at interior edges and 10" o.c. field except as shown on the plan.
- Floor sheathing shall be APA 3/4" T&G. Panel Identification Index (42/20). Install with face grain perpendicular to supports. Stagger end panel joints. Nail at 6" c-c all supported panel edges and 12" c-c at intermediate supports. All nails shall be 10d common nails.
- All plywood shall be applied in accordance with recommendations of the American Plywood Association.

TRUSSES:

- Submit shop drawings for engineer's review showing joist layout, camber, lateral bracing, design criteria.
- Provide lateral bracing per manufacturer's recommendations.
- Install blocking where shown on framing plans.
- No altering of trusses allowed without written permission from the manufacturer.

STEEL:

- All steel connectors to be shop welded and field bolted.
- Miscellaneous steel members to be galvanized where shown on the plans.
- Structural Steel shall be detailed, fabricated, and erected in accordance with the American Institute of Steel Construction "AISC Manual" 8th Edition. Structural steel shall conform to ASTM A-36.
- All welds to be 3/16 minimum by certified welders using electrodes conforming to ASTM A-233, Class E 70.
- Apply one coat of primer paint complying with FS TT-P-615, Type II to all metal work except those portions to be embedded in concrete or masonry or to be field welded.

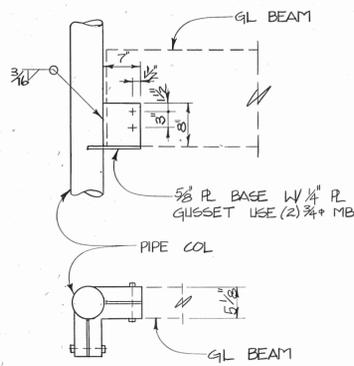


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PROJECT 80-E-92
FRANKLIN & ALLEN
consulting engineers

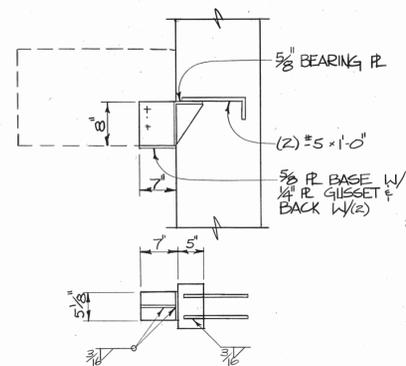
CARLIN WILLIAMS - ARCHITECT
170 BUSINESS PARK BLVD
ANCHORAGE, ALASKA 99503
PHONE 277-8689

PROJECT 8101	
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DATE 5-6-81	
REVISED	
2-13-82	DRAWING
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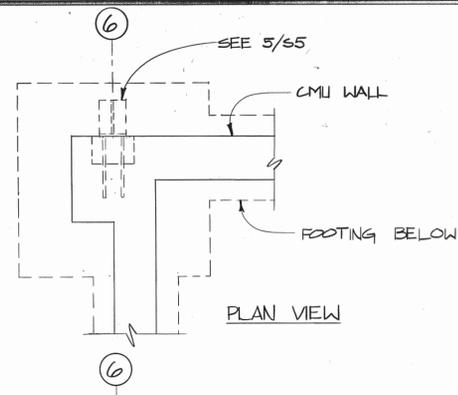
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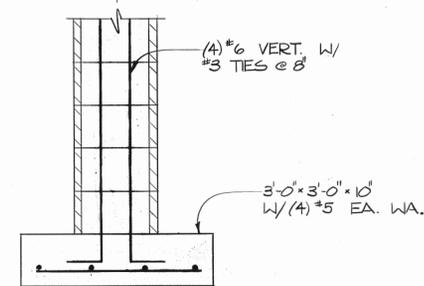
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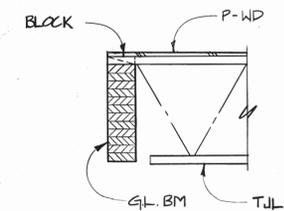
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3/4" = 1'-0"



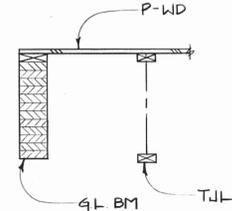
6 SECTION
3/4" = 1'-0"



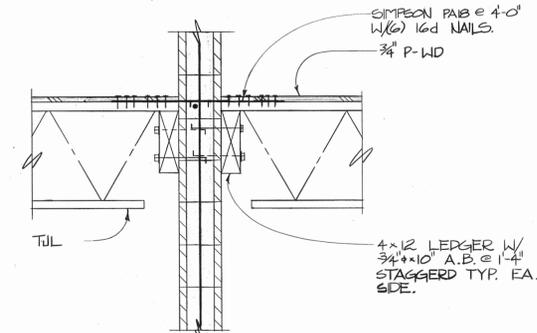
9 PILASTER DETAIL
3/4" = 1'-0"



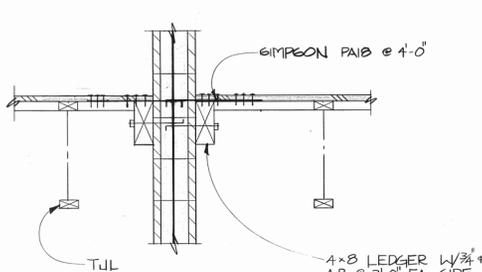
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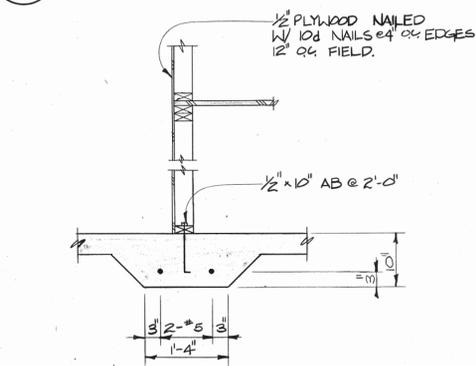
6 SECTION
3/4" = 1'-0"



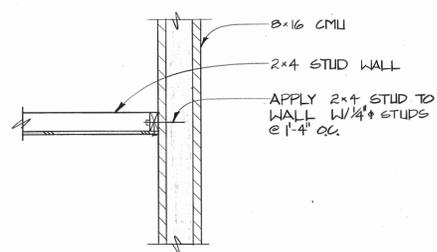
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3/4" = 1'-0"



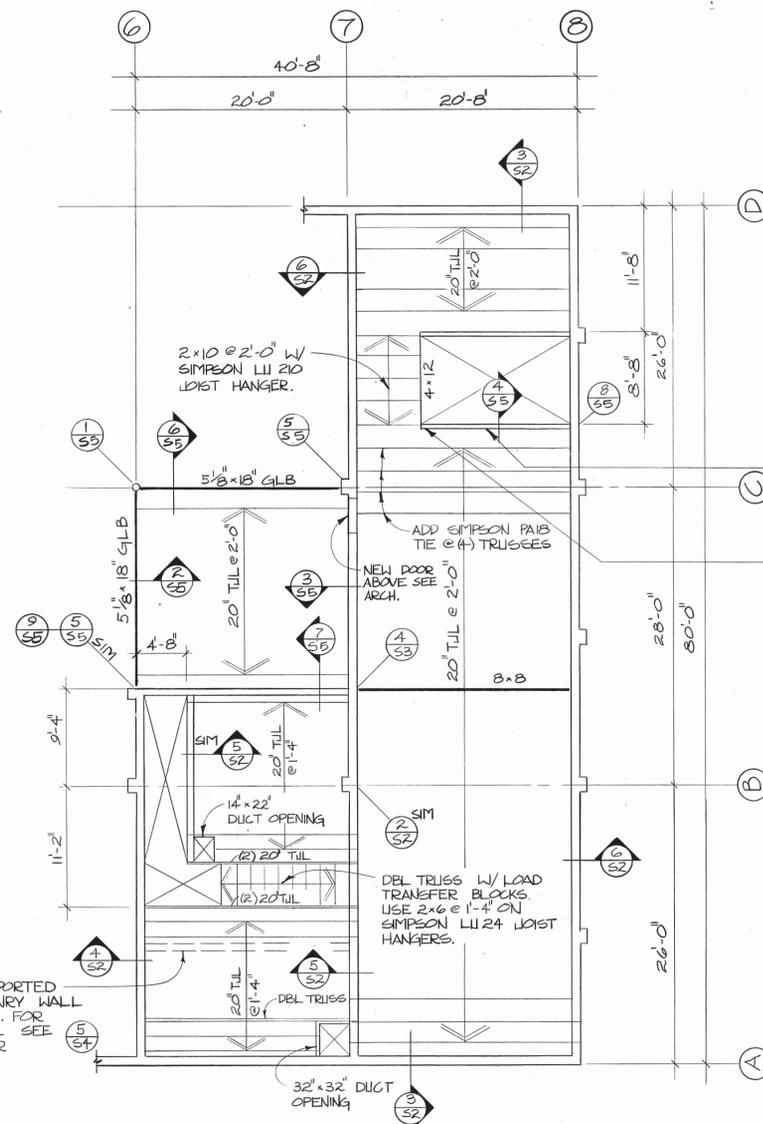
7 SECTION
3/4" = 1'-0"



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



8 CONNECTION DETAIL
3/4" = 1'-0"



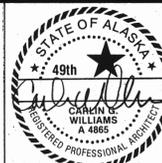
MEZZANINE FLOOR FRAMING PLAN
REF: S2
1/8" = 1'-0"



REFUSE EQUIPMENT
WARM STORAGE BUILDING
PROJECT # 80-E-92

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S5

2 of 5