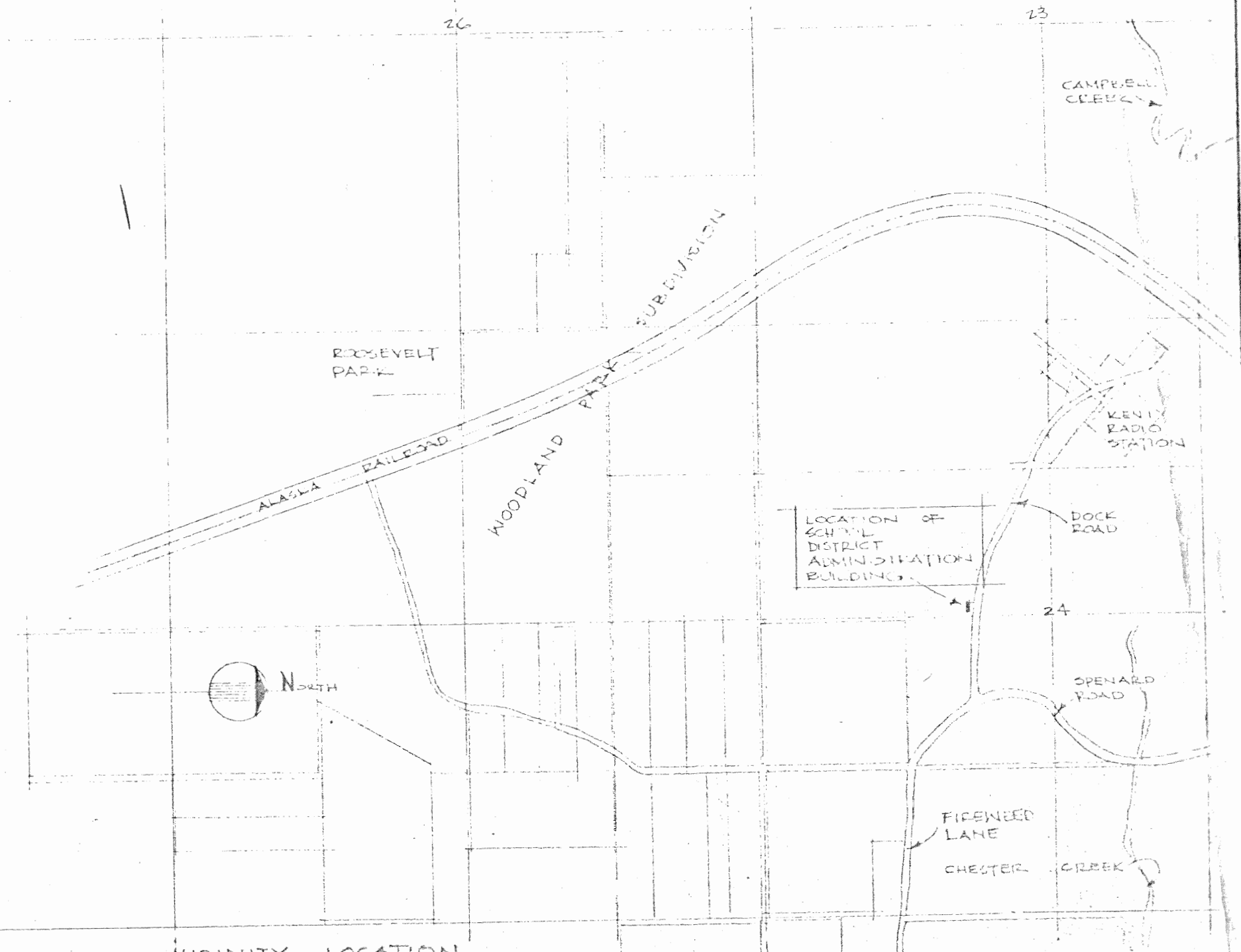
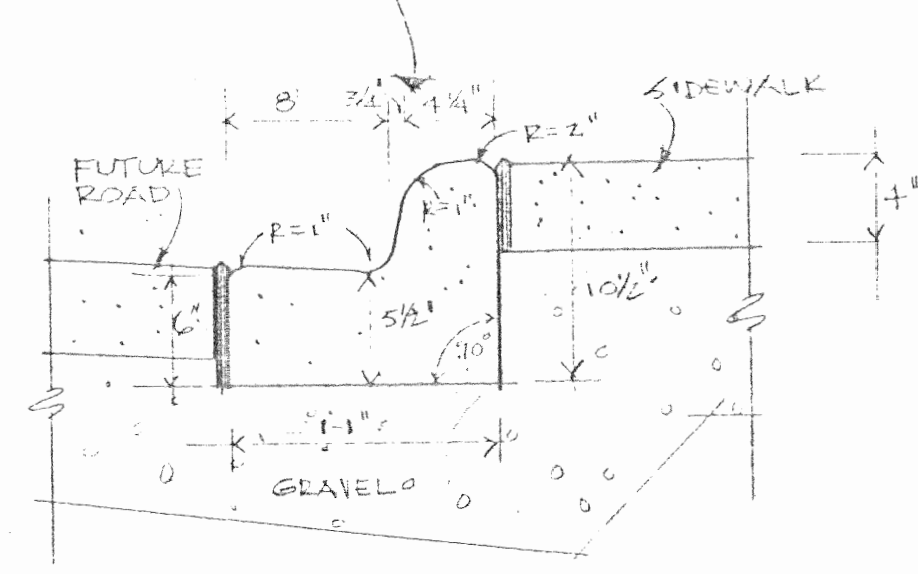
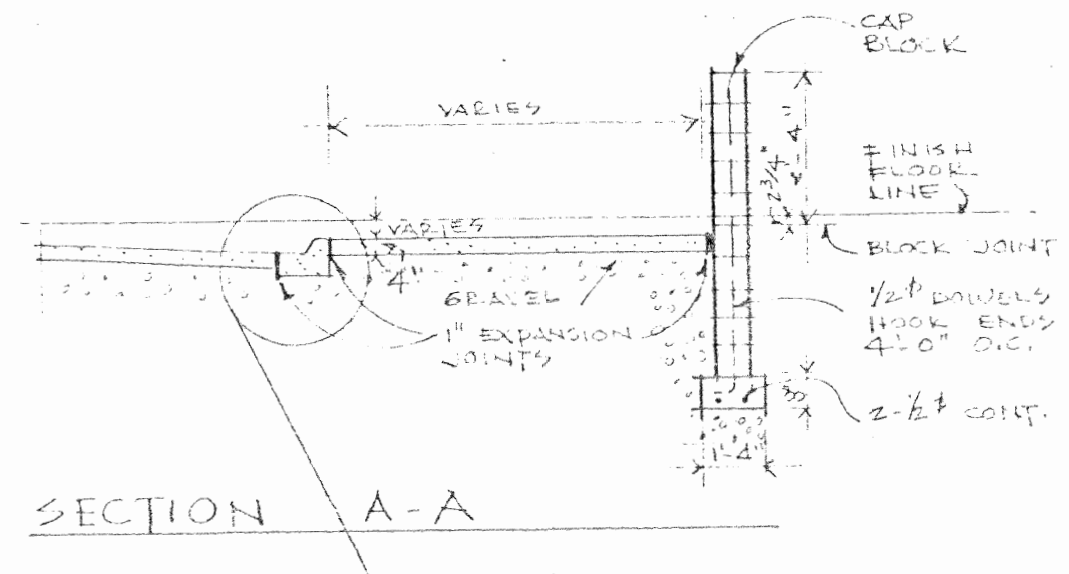
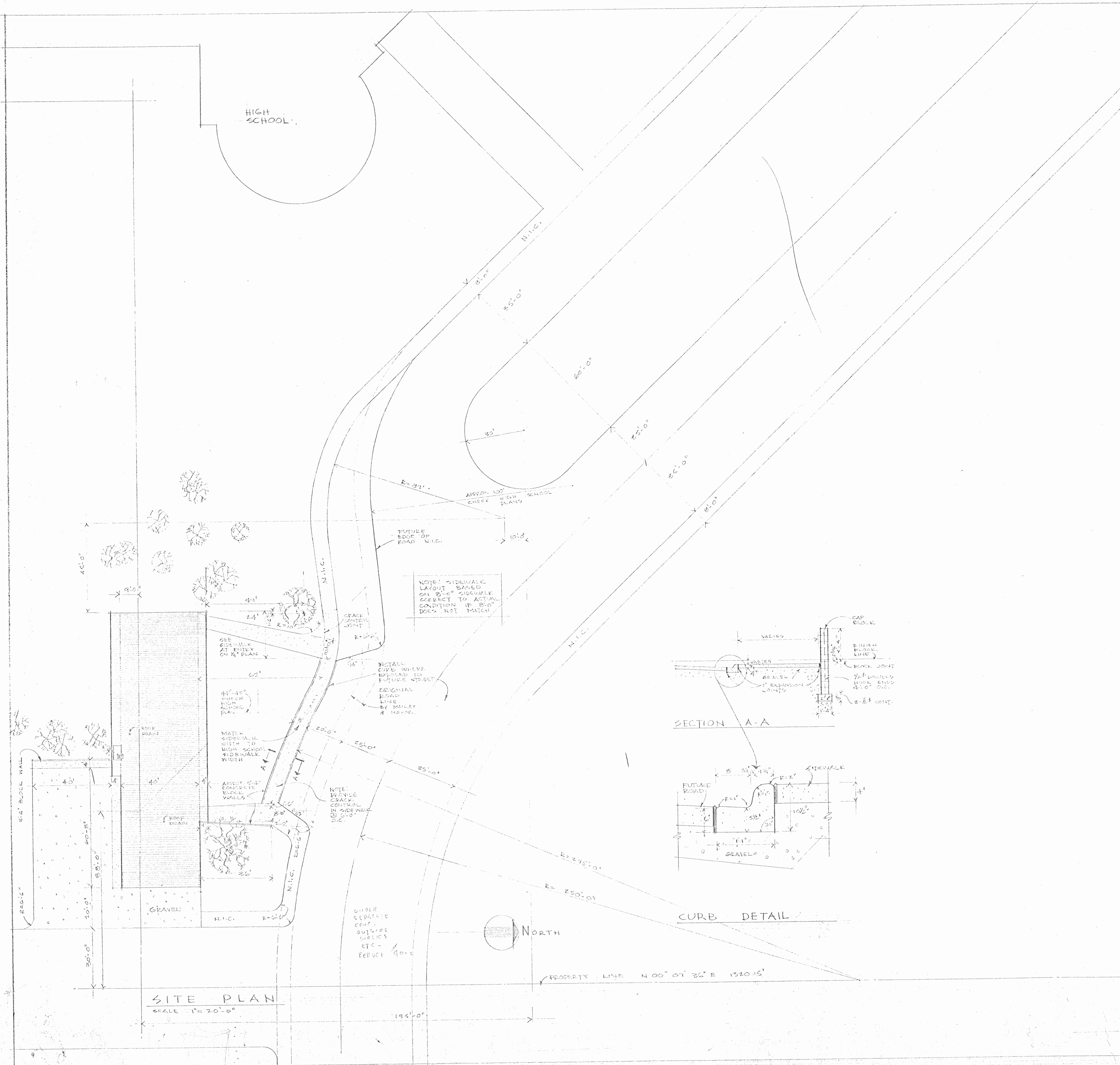


Old Admin. Bldg. Hillcrest DE.

DATA PROCESSING

VICINITY PLAN  
SITE PLAN  
SIDEWALK DETAILS

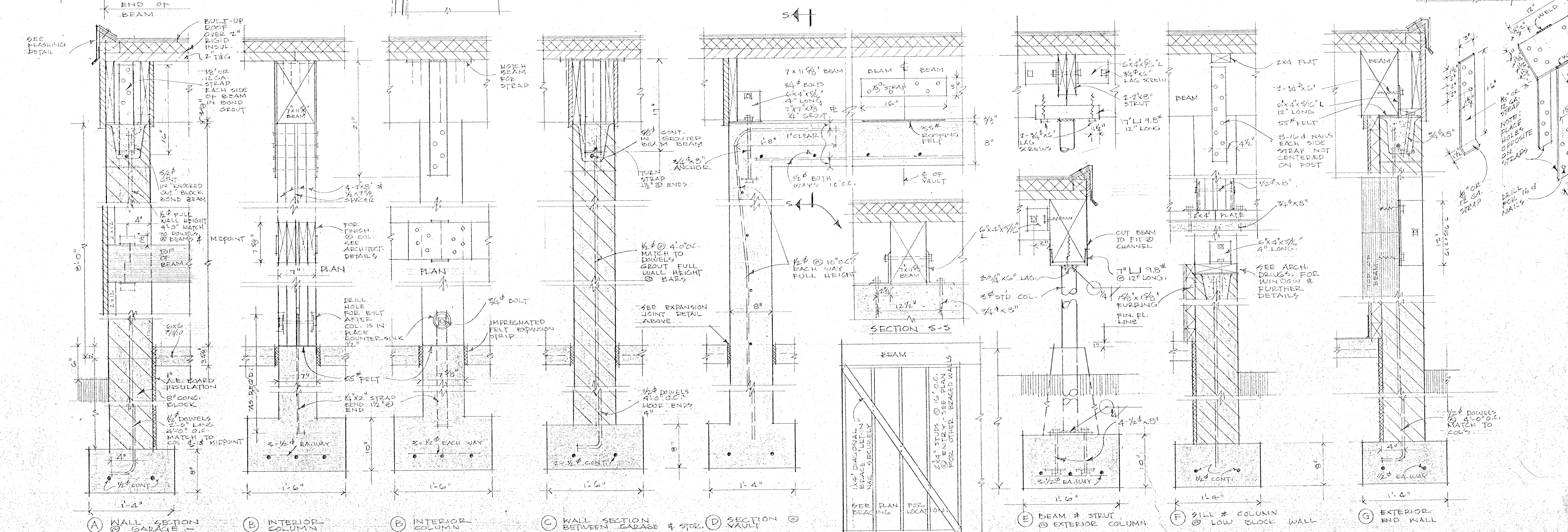
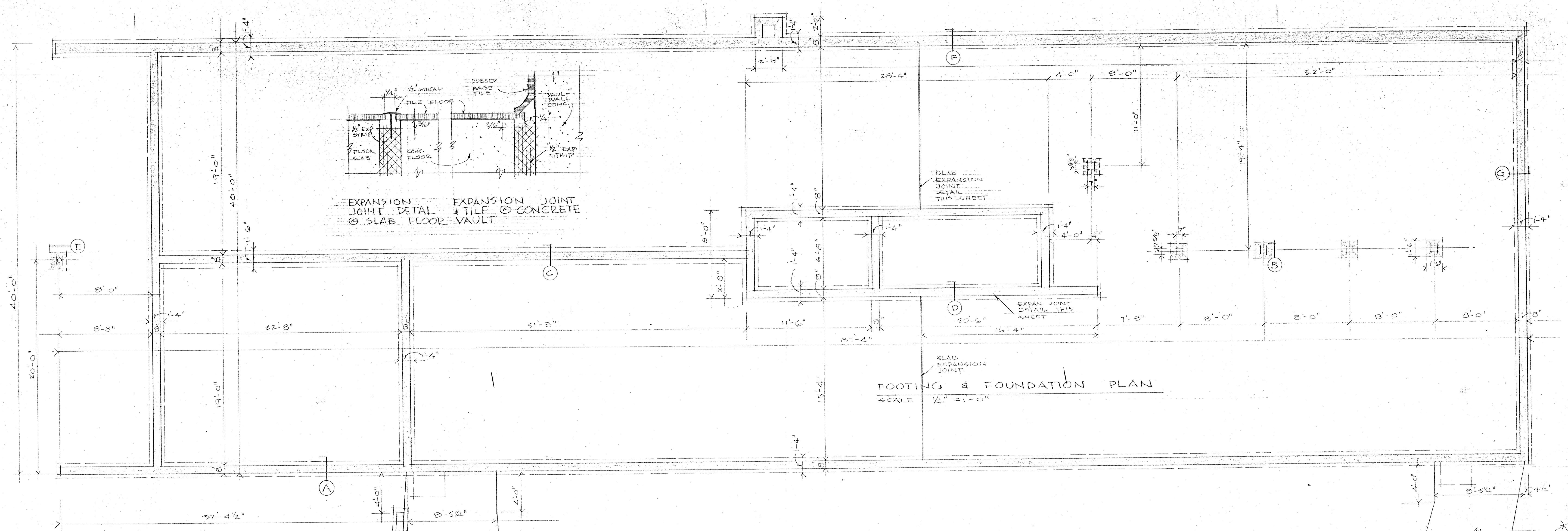
1952  
#1



SITE PLAN  
SCALE 1" = 20'-0"

FILE: DATA PROCESSING

EDWIN B. CRITTENDEN ARCHITECT BOSTON, MASSACHUSETTS	ADMINISTRATION BUILDING FOR ANCHORAGE INDEPENDENT DISTRICT SCHOOL "Old" Hillcrest BLDG	SITE PLAN VICINITY PLAN SIDEWALK DETAILS	JOB NO. 1952 SHEET 1 OF 1
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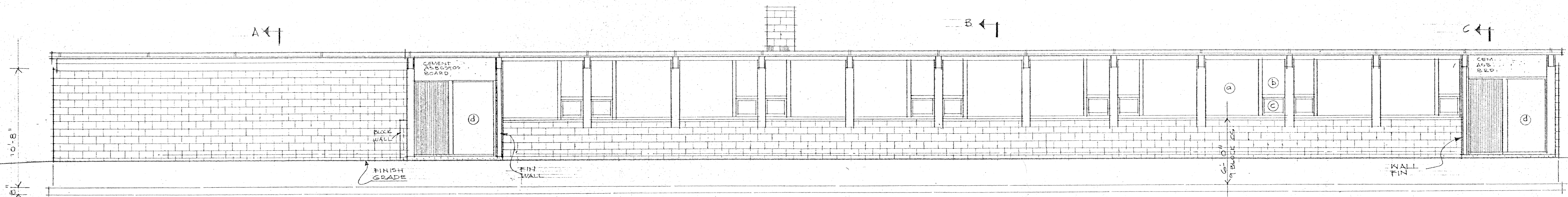
STRUCTURAL WALL SECTIONS & FOOTING DETAILS - SCALE 1/2" = 1'-0"

WALL FOOTINGS TO HAVE 2-1/2" CONTINUOUS BIER FOOTINGS - MIN. OF 3-1/2" EACH WAY  
 BLOCK WALLS - 1/2" DOWELS 2'-0" HOOK ENDS - 4" AT 0'-0". MATCH TO BEAM CENTERS & MIDPOINT. MATCH  
 1/2" VERTICAL STEEL FULL HEIGHT TO DOWELS & GROUT. BOND BEAM - BRICK - KNOCKED-OUT BLOCK 5/8" CONTINUOUS & GROUTED  
 HORIZONTAL - KNUCKED-OUT BEAM EVERY THIRD COURSE & MORTAR JOINT BELOW BOND BEAM - HIGH & LOW WALLS.  
 FLOOR SLAB - 6"x6" #10 WIRE MESH

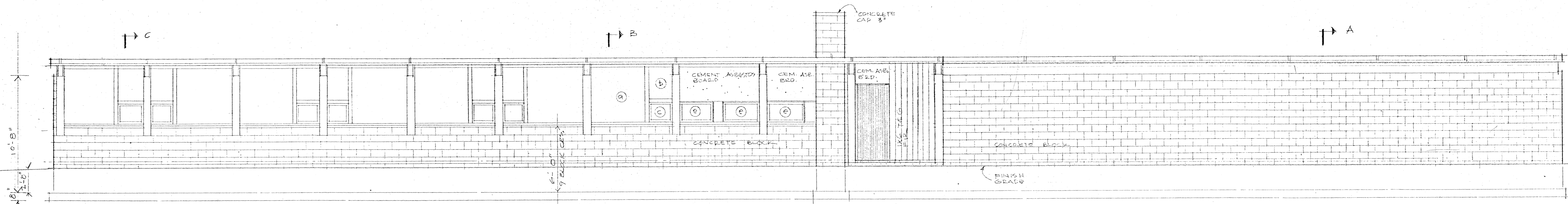
NOTE: SEE ARCH. DWGS. FOR ALL FINISH DETAILS

Site: DATA PROCESSING

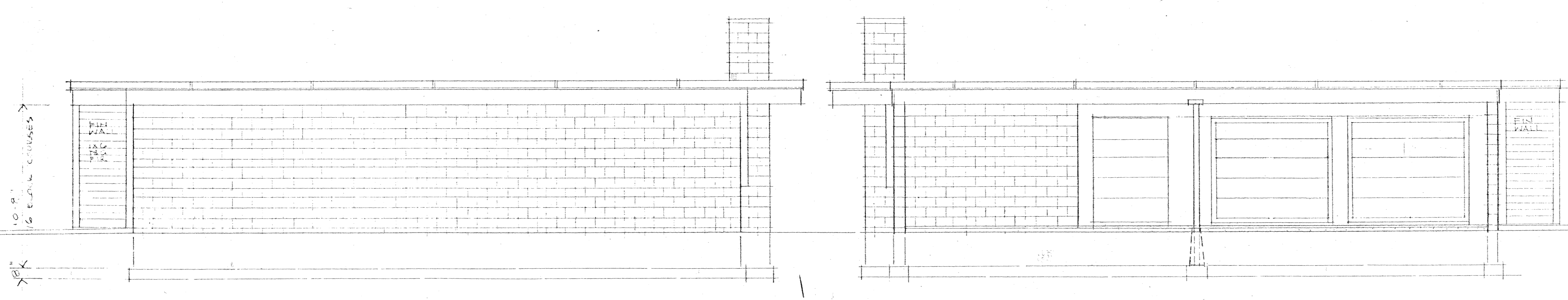
EDWIN B. CRITTEBER ARCHITECT 1000 UNIVERSITY AVENUE SPRINGFIELD, MASS.	ADMINISTRATION BUILDING FOR ANCHORAGE INDEPENDENT SCHOOL DISTRICT SPENARD Hill West - ALASKA Bldg.	FOOTING - PLAN FOUNDATION - II STRUCTURAL SECTION DETAILS	JOB 5326 SHEET OF 2
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NORTH ELEVATION  
SCALE 1/4" = 1'-0"

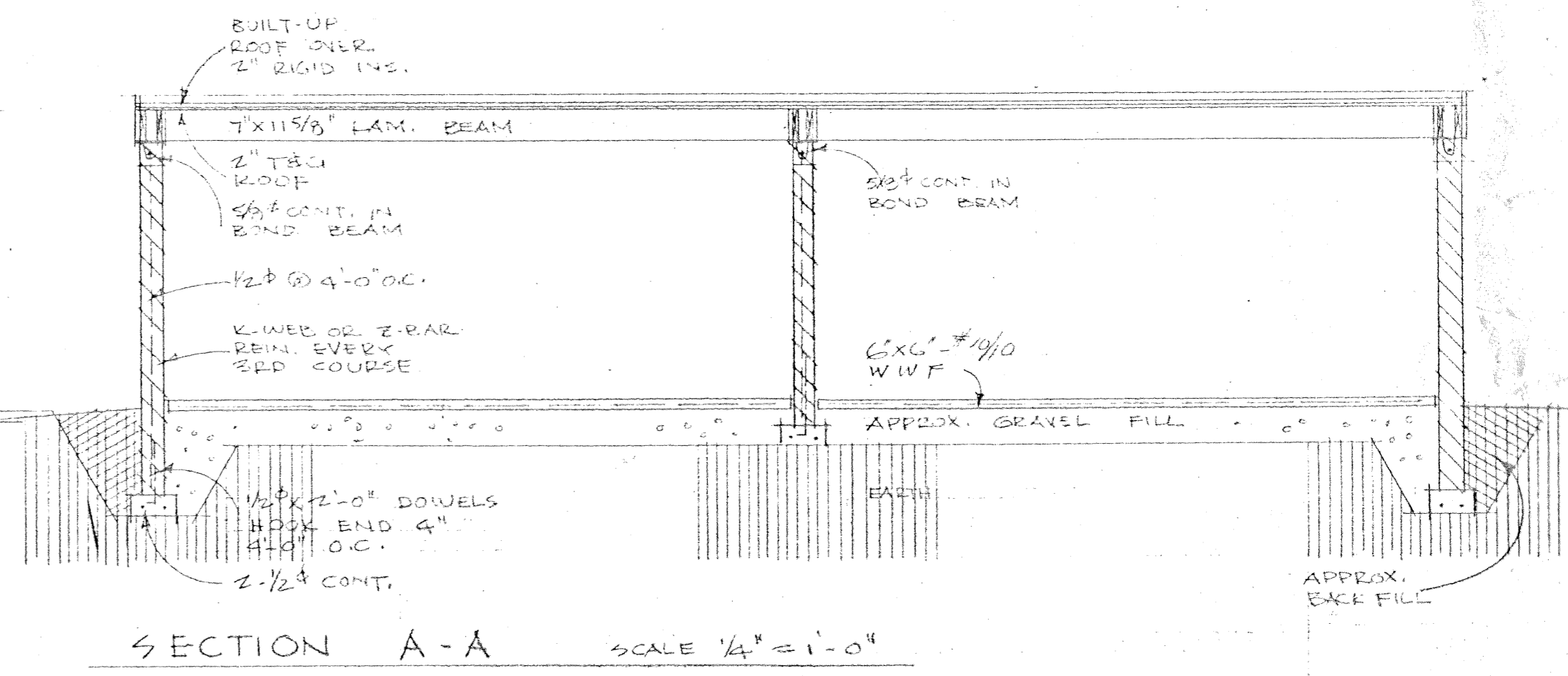


SOUTH ELEVATION

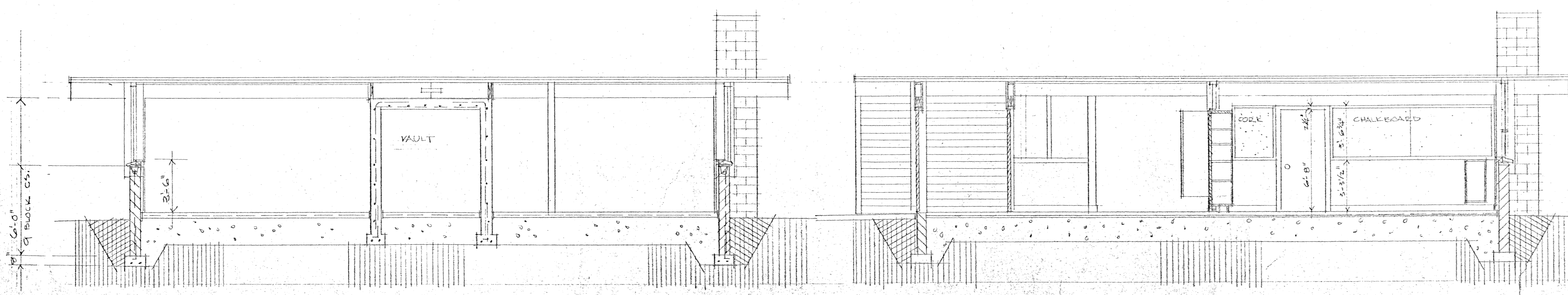


WEST ELEVATION

EAST ELEVATION



SECTION A-A SCALE 1/4" = 1'-0"



SECTION B-B

SECTION C-C SCALE 1/4" = 1'-0"

WINDOW SCHEDULE

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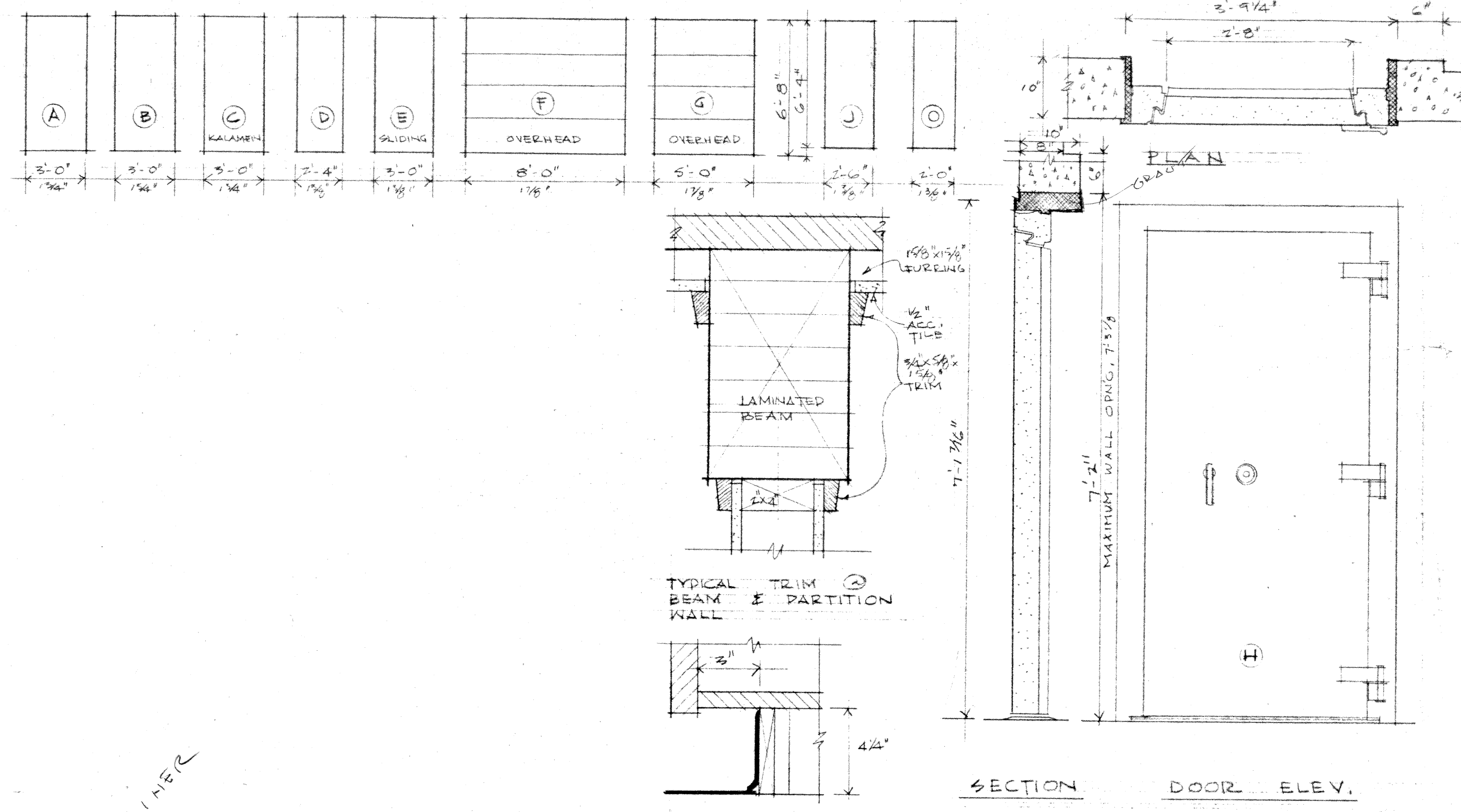
File: DATA PROCESSING

EDWIN B. CRITTENDEN ARCHITECT ANCHORAGE, ALASKA	ADMINISTRATION BUILDING FOR ANCHORAGE INDEPENDENT SCHOOL DISTRICT SPENARD ACCESS ALASKA Bldg.	ELEVATIONS & SECTIONS	JOB 5144 SHEET OF 11
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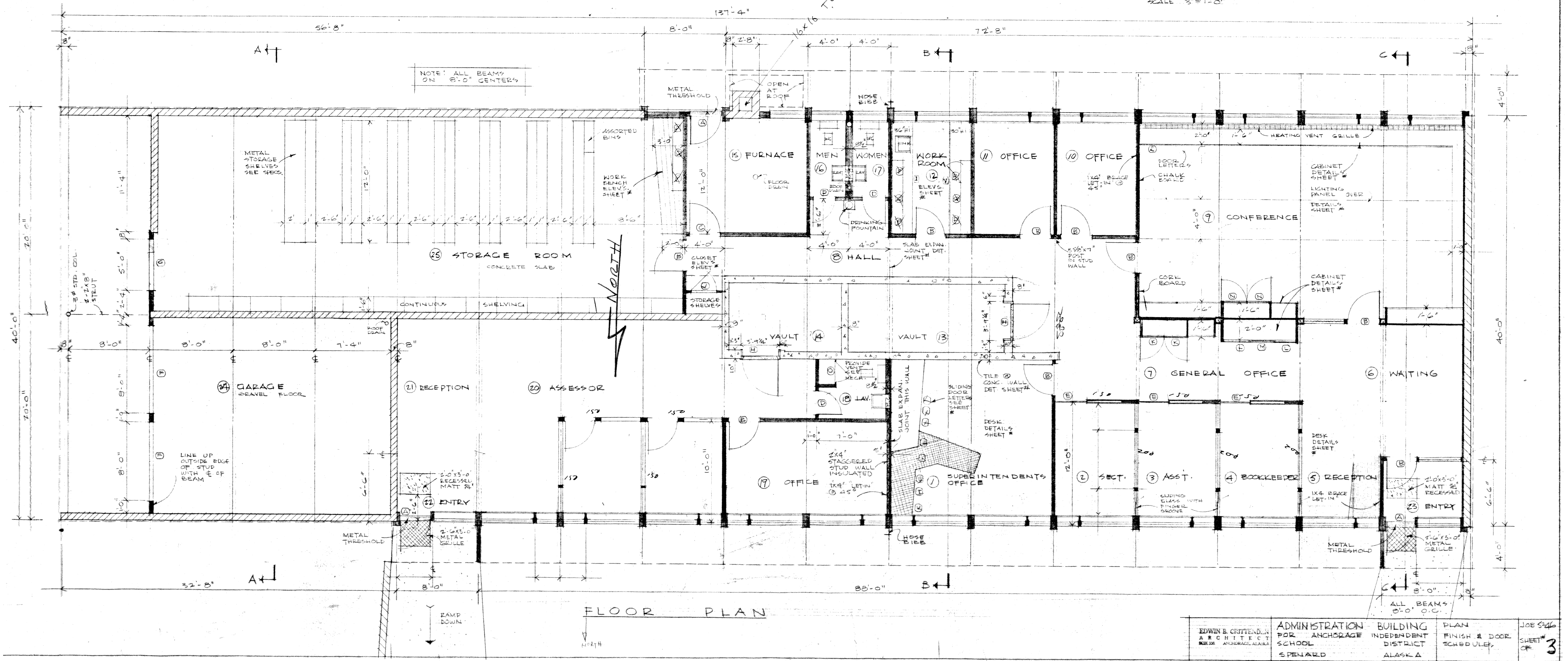
(Old) Admin. Bldg.  
DATA PROCESSING  
PLAN FINISH # DOOR SCHEDULE  
1952  
#3

#	NAME	WALLS										CLNG.	REMARKS	DOOR SCHEDULE				
		CONCRETE	CEILING (VINYL)	RUBBER	1/2" BRICK RV	1/2" BRICK	1/2" BRICK	1/2" BRICK	1/2" BRICK	1/2" BRICK	1/2" BRICK			1/2" BRICK	1/2" BRICK	DESIGN	SIZE	TYPE
1	SUPERINTENDENT														A	3'-0" x 6'-8" x 1 3/8"	SOLID CORE	VERT. GRAN. FIB.
2	SECRETARY														B	3'-0" x 6'-8" x 1 3/8"	HOLLOW CORE	V.G. FIR
3	ASSISTANT														C	3'-0" x 6'-8" x 1 3/8"	KALAMEN	ONE HOUR
4	BOOKKEEPER														D	2'-4" x 6'-8" x 1 3/8"	HOLLOW CORE	V.G. FIR
5	RECEPTION														E	3'-0" x 6'-8" x 1 3/8"	HOLLOW CORE	SLIDING
6	WAITING														F	8'-0" x 6'-8" x 1 3/8"	OVERHEAD	4 PANEL
7	GENERAL OFF.														G	5'-0" x 6'-8" x 1 3/8"	OVERHEAD	4 PANEL
8	HALL														H		METAL GLAZ.	
9	CONFERENCE														I		CONC. ASS. BOARD	PERFORATED
10	OFFICE														J		MASONRY	BLACK
11															K			
12	WORK ROOM														L			
13	VAULT														M			
14	VAULT														N			
15	FURNACE														O			
16	MEN														P			
17	WOMEN														Q			
18	TOILET														R			
19	OFFICE														S			
20	ASSESSOR														T			
21	RECEPTION														U			
22	ENTRY																	
23	ENTRY																	
24	SALAGE																	
25	STORAGE																	

\*SEE ARCHITECT FOR COLOR CHART & WALLPAPER PATTERN



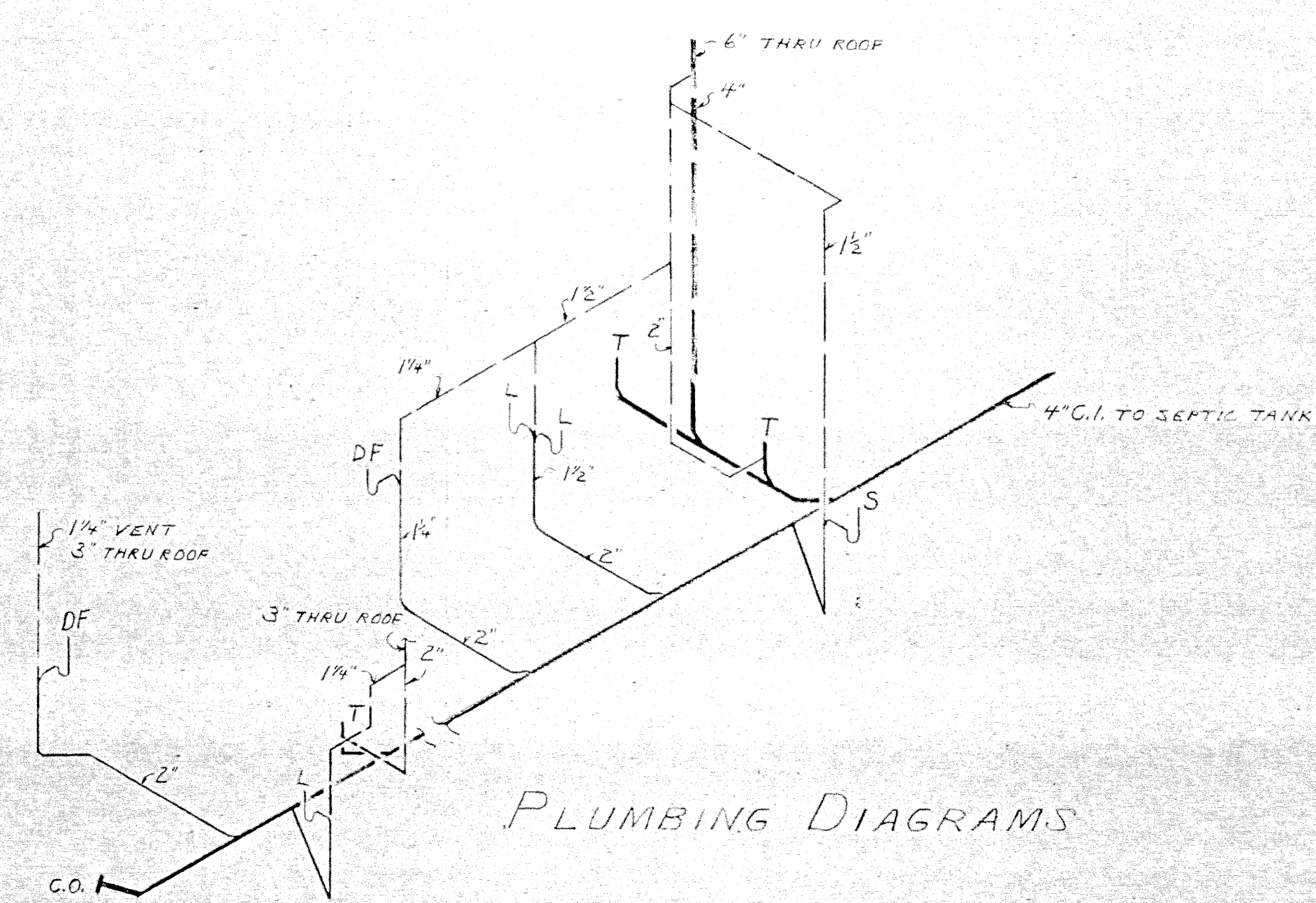
TYPICAL TRIM BEAM & PARTITION WALL  
TYPICAL BASE DETAIL @ CLOSET DOOR  
SCALE 3/8" = 1'-0"



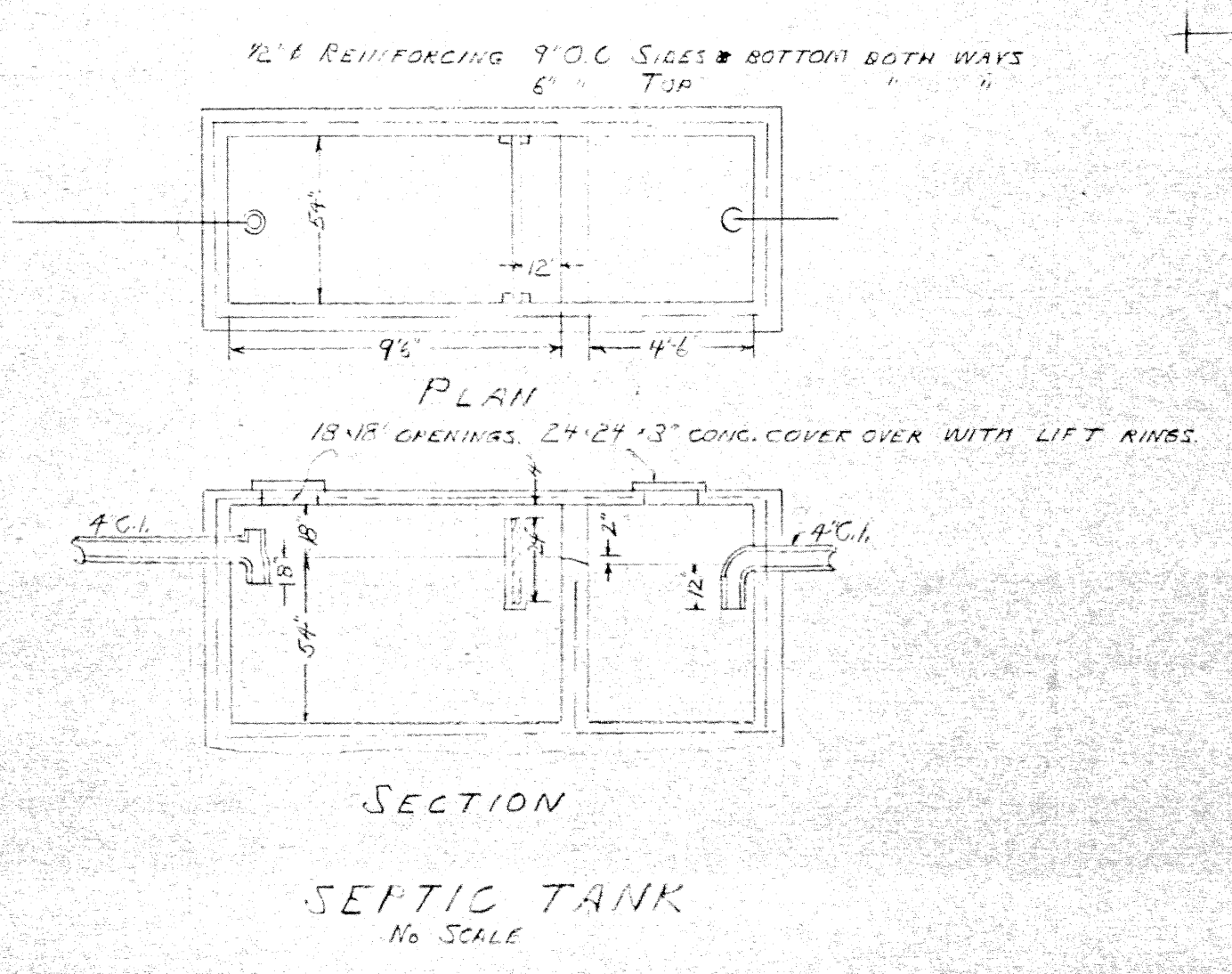
FLOOR PLAN

EDWIN B. CRITTENDEN ARCHITECT 1000 4TH AVENUE, ANCHORAGE, ALASKA	ADMINISTRATION BUILDING FOR ANCHORAGE INDEPENDENT DISTRICT SCHOOL SPENARD ALASKA	PLAN FINISH & DOOR SCHEDULE	JOB 546 SHEET # 3
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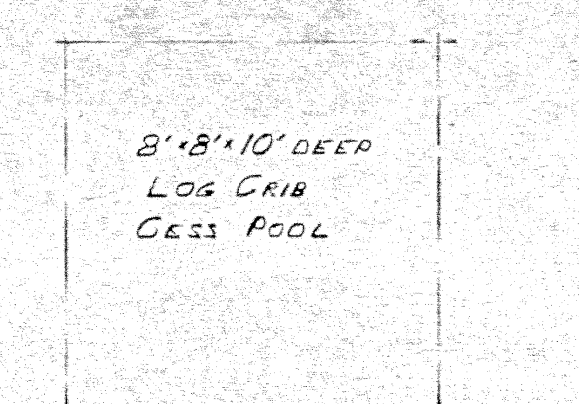




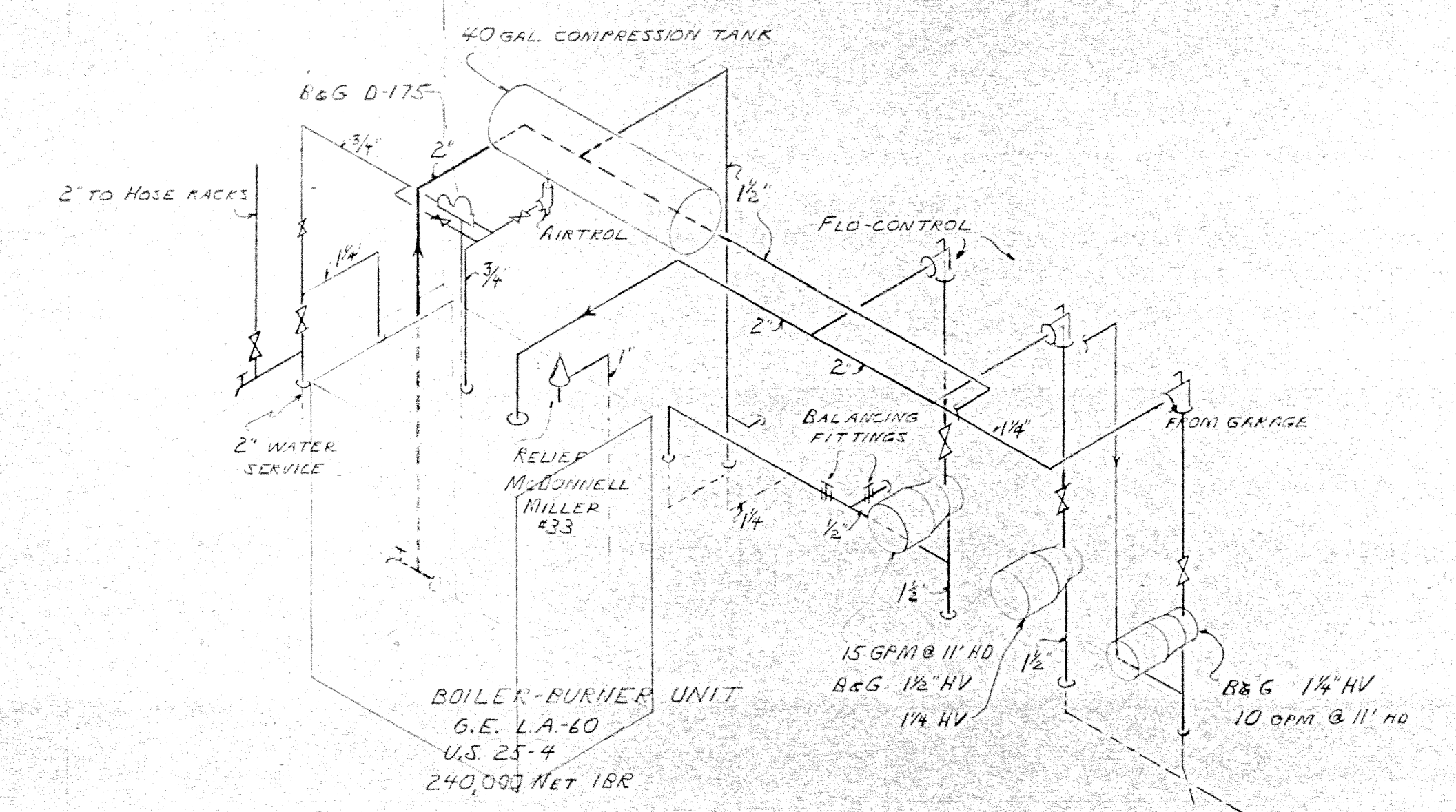
PLUMBING DIAGRAMS



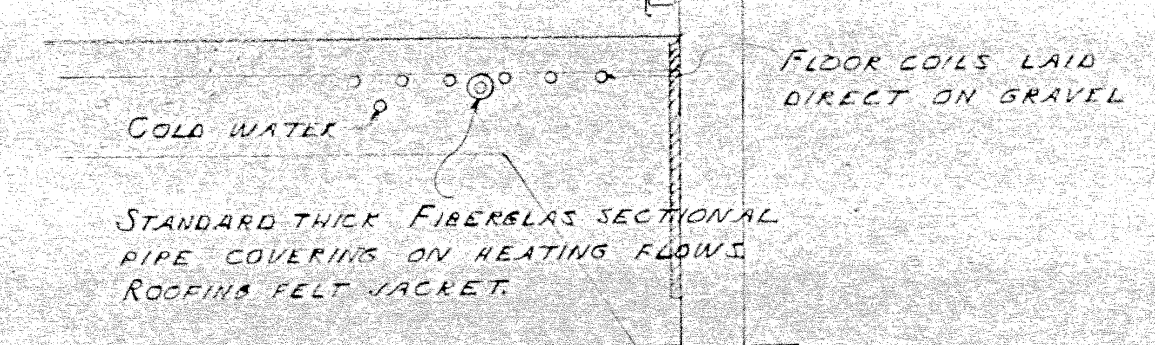
SECTION  
 SEPTIC TANK  
 No SCALE



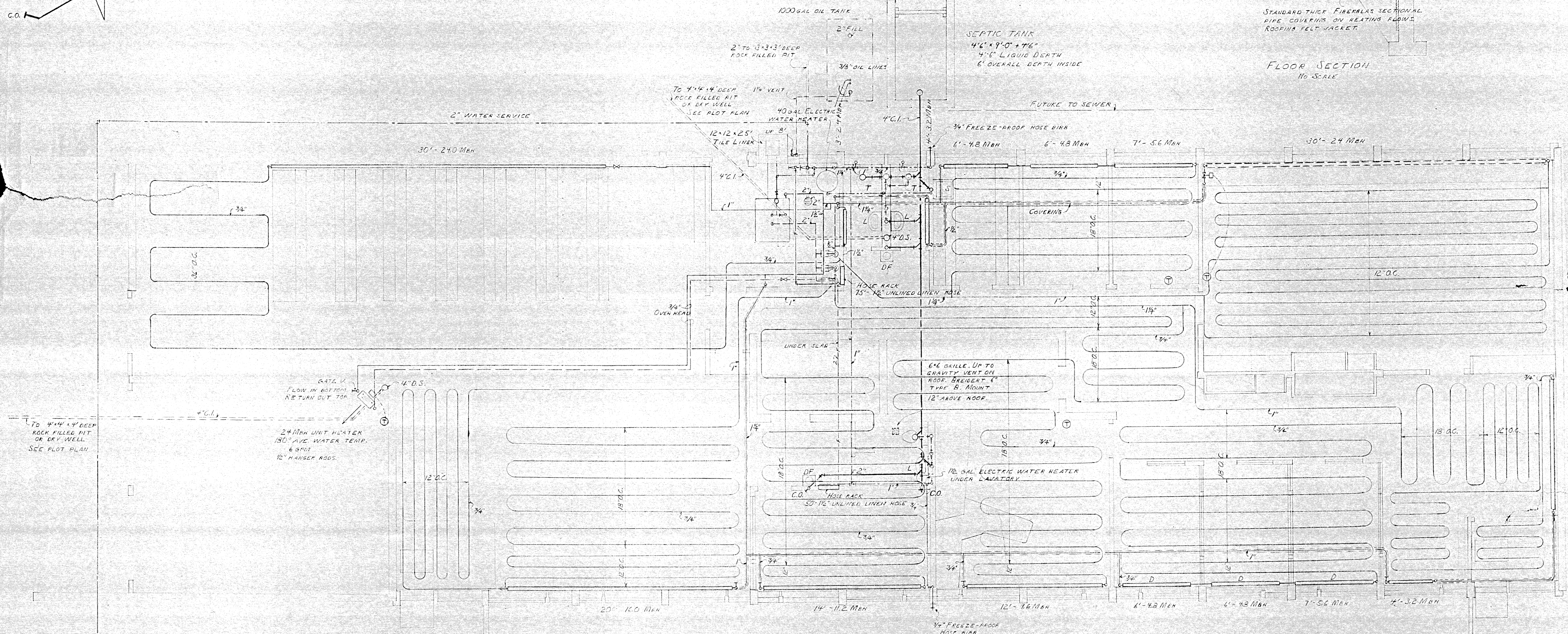
TO CESS POOL



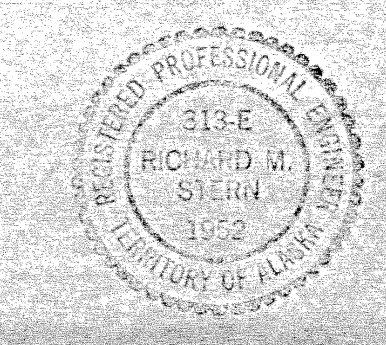
BOILER ROOM DIAGRAM



FLOOR SECTION  
 No SCALE



PLAN  
 SCALE 1/4\"/>



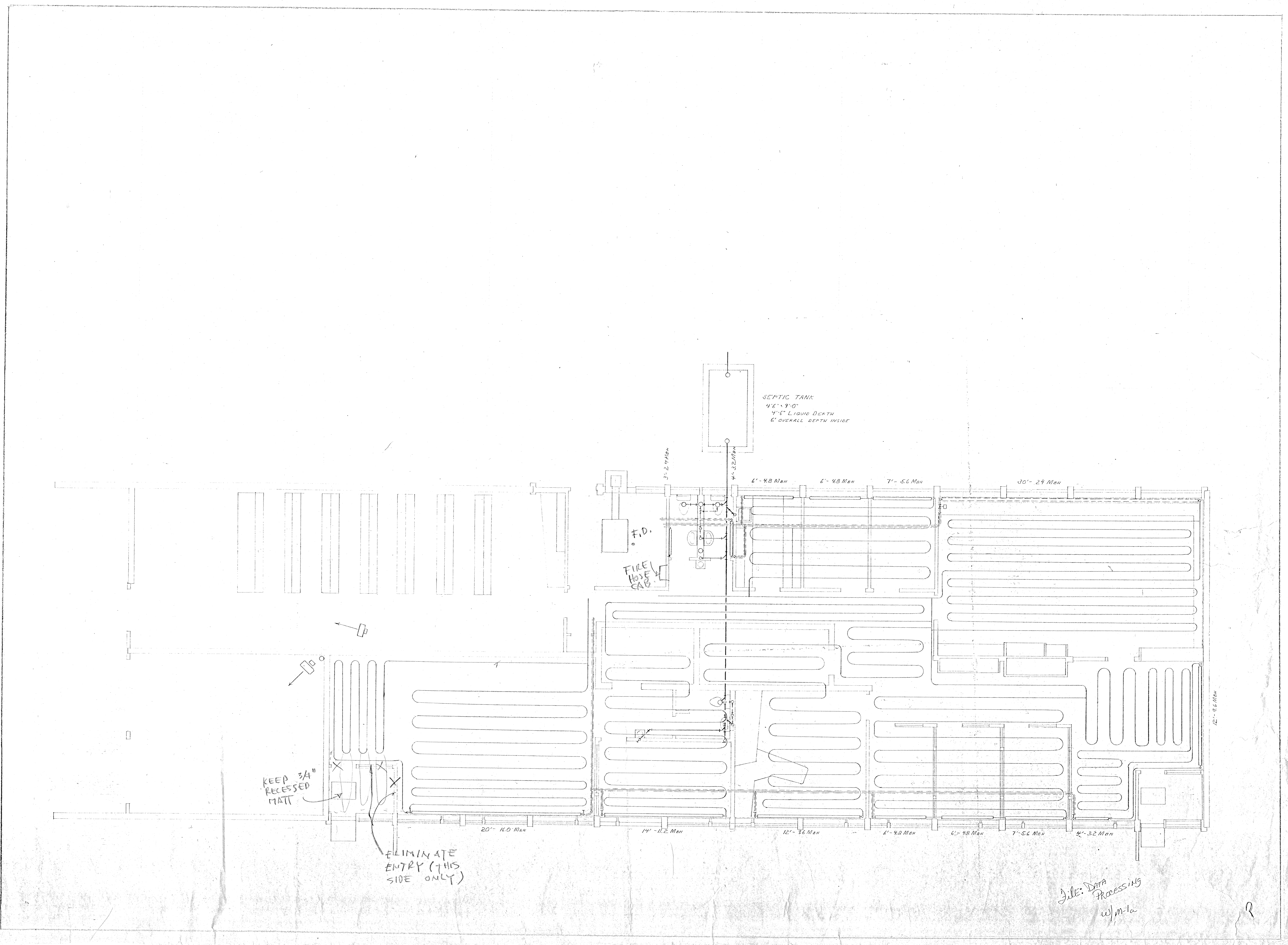
EDWIN CHITLIER  
 415 C  
 BOX 358 ANCHORAGE ALASKA

ADMINISTRATION BUILDING PLUMBING HEATING  
 FOR ANCHORAGE INDUSTRIAL DISTRICT  
 600 S. PENNSYLVANIA AVE. ANCHORAGE ALASKA

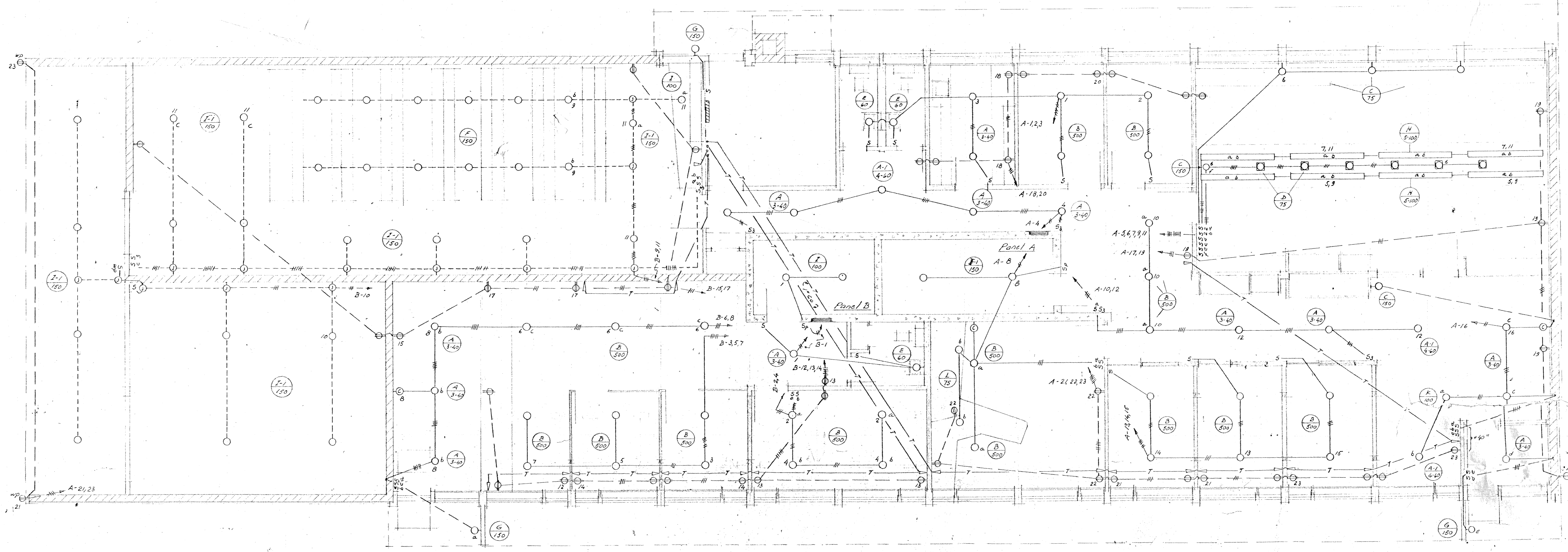
Data  
Processing

revisions

195  
M-



File: DATA  
Processing  
wjm-la

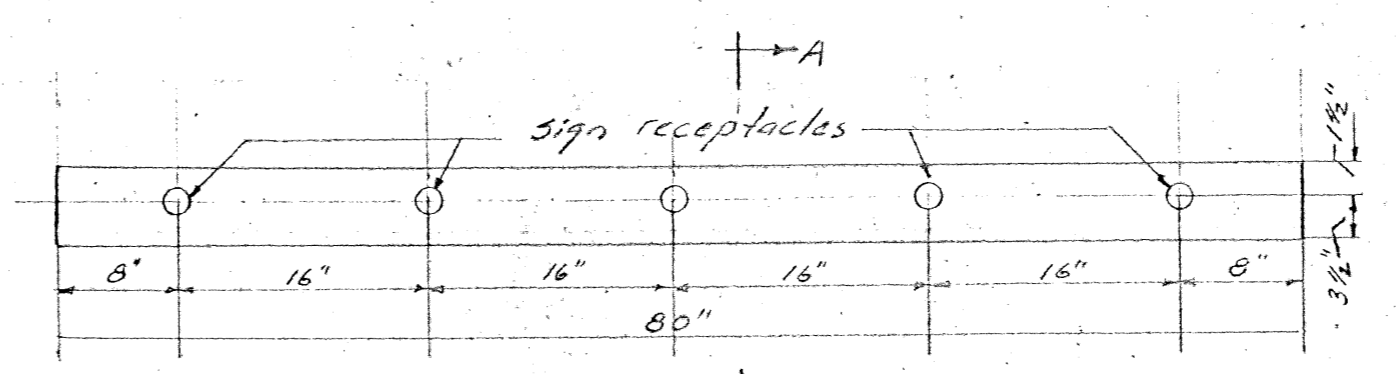


**SYMBOLS**

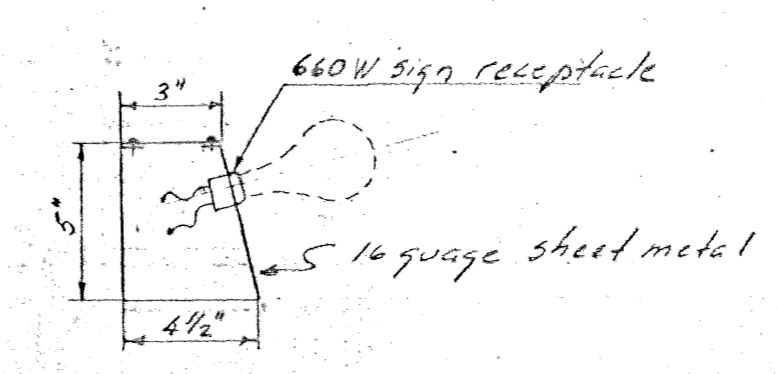
- Conduit concealed in ceiling or wall
- - - Conduit concealed in floor
- Exposed conduit
- Telephone conduit
- Ceiling fixture outlet
- Wall bracket fixture outlet
- Telephone outlet with hole cover (brushed aluminum)
- Clock outlet - up 7'-6"
- Junction box with blank cover
- S<sub>1</sub> Single pole switch - up 48" unless otherwise indicated
- S<sub>2</sub> Index indicates switching arrangement
- S<sub>3</sub> 2-pole switch - up 48"
- S<sub>4</sub> Single pole switch with pilot light
- S<sub>5</sub> Duplex receptacle - up 12" unless otherwise indicated (w/ weather-proof)
- Special fixture - See detail
- Recessed fixture
- Home run - complete run to panel. Crosslines indicate number of No. 12 AWG type RW conductors
- ▨ Main service equipment - See one line diagram
- Panelboard
- Fixture tag - fixture A - 3-40 watts lamps

**LIGHTING FIXTURE SCHEDULE**

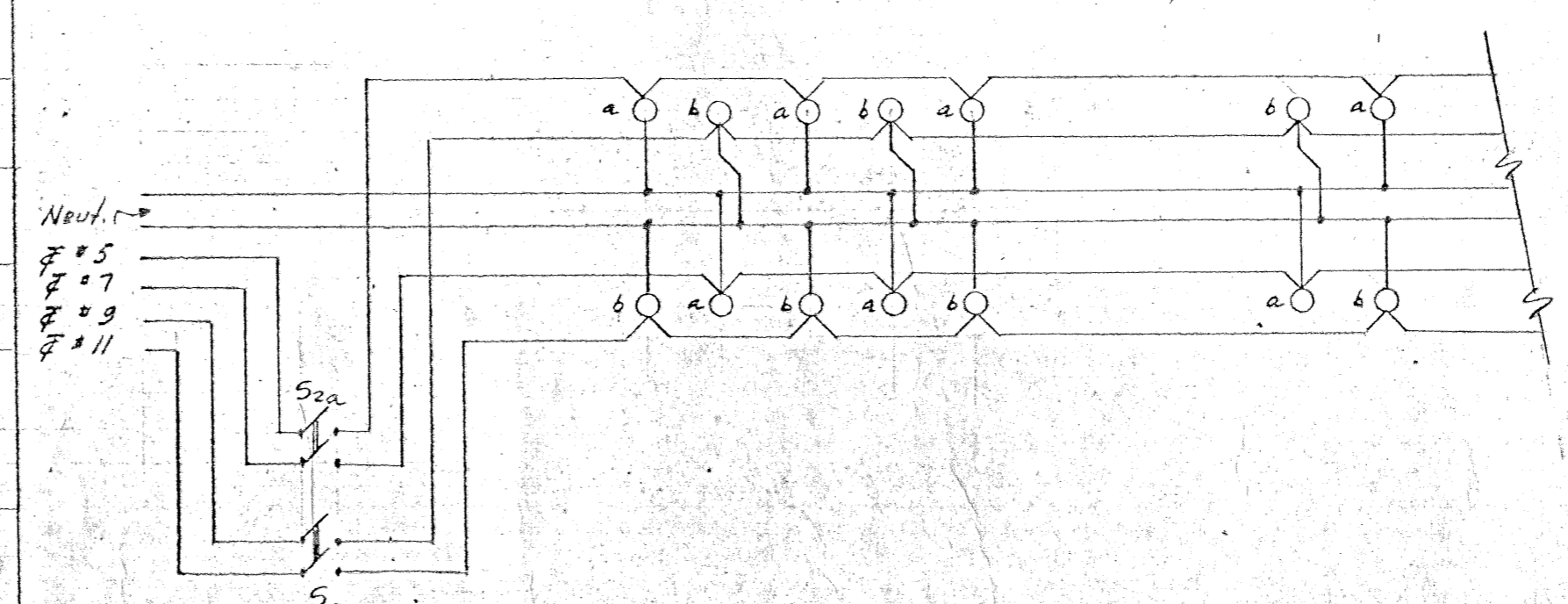
Type	Description	Watts	Mounting	Remarks
A	General Lighting Company Cat. No. 620 in brushed aluminum	3-40	Ceiling	
A-1	General Lighting Company Cat. No. 621 in brushed aluminum	4-60	Ceiling	
B	Direct-indirect lighting fixture, Baker Square Seattle Lighting Company Cat. No. 5-6100	300	Suspended	
C	Wall bracket, General Lighting Company Cat. No. 1606 in brushed aluminum, complete with No. 100 clip louver	R-40 Flood 150W		Mounting height, Waiting room: 6'-0" Conference room: Beneath lighting trough
D	Recessed fixture with wide spread lens, plastic ring, drop hinged door and brushed aluminum trim, General Lighting Co., Cat. No. 6006	100	Recessed	Mounted in center of lighting trough
E	Wall bracket with outlet Alabax No. AL 2101ND-2000	60	Wall	Over mirror
F	"Stock-bin-lite" reflector Benjamin No. 7-1877	150		
G	Outside luminaire Holophane No. 840	150	Wall	Up 7'-6"
H	Special fixture See detail	5-100		In lighting trough
I	Turnlox RLM reflector Benjamin No. 9641	100	Ceiling	
I-1	Turnlox RLM reflector Benjamin No. 9642	150	Ceiling	
L	General Lighting Company Cat. No. 660 in brushed aluminum, complete with louver	R-30 Flood 75W	Ceiling	
K	Fixture as specified by architect, similar to Lytcaaster No. 4289 Seattle Lighting Company	100	Adjustable suspension	



**FIXTURE H**  
Scale: 1/2" = 1'-0"



**SECTION A-A**  
Scale: 2" = 1'-0"



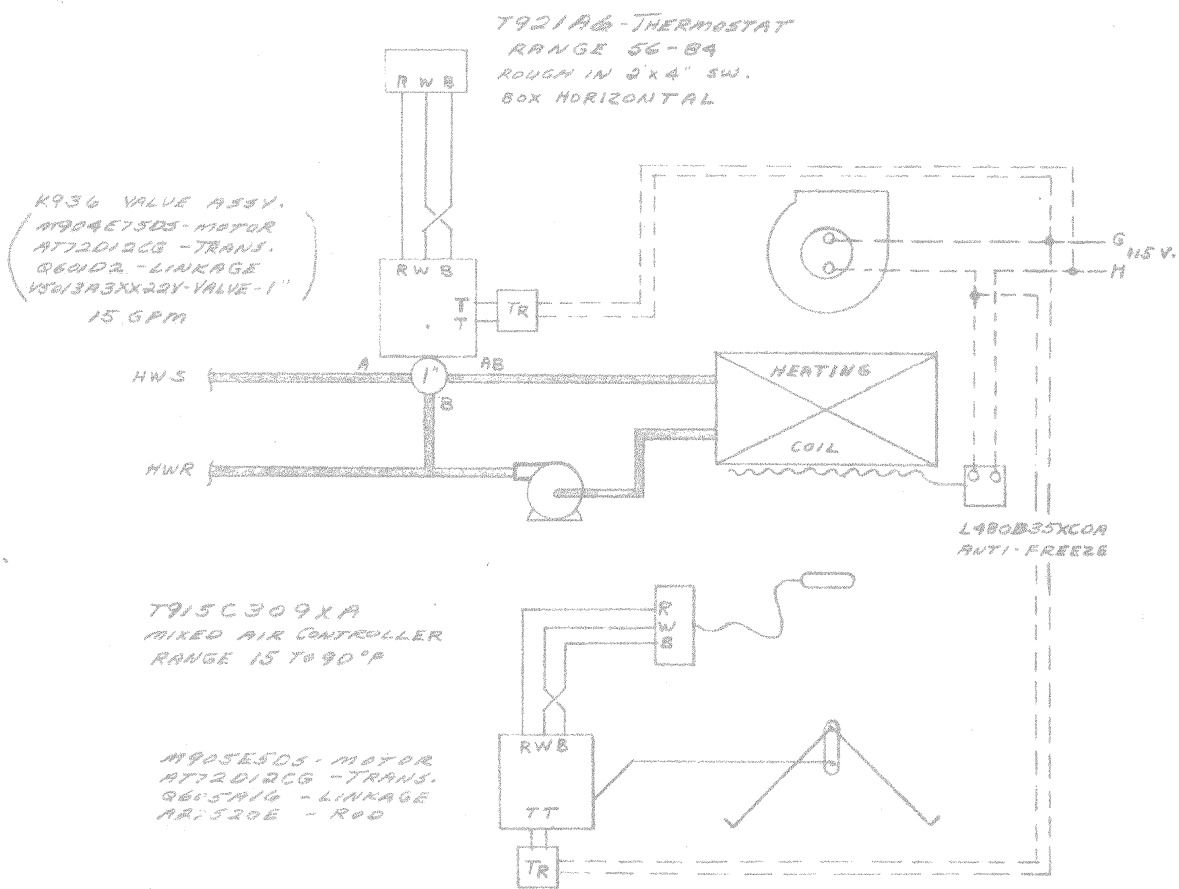
**TYPICAL HOOK UP OF FIXTURE H**  
Not to scale

1952

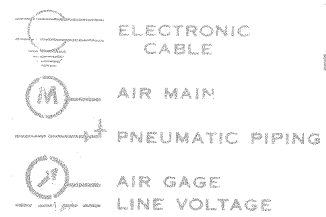
\* E-1 \*

File: DATA PROCESSING





UNIT VENTILATOR CONTROL

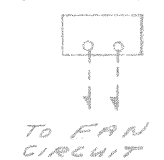


**LEGEND**

LOW VOLTAGE  
N.O. - NORMALLY OPEN  
N.C. - NORMALLY CLOSED  
D.A. - DIRECT ACTING  
R.A. - REVERSE ACTING  
T.R. - THROTTLING RANGE

ARCHITECT: E. CRITTENDEN  
ENGINEER: P. CREWS  
CONTRACTOR: C.R. LEWIS CO.

**TA42A53 - THERMOSTAT**  
RANGE 56-84  
ROUGH IN 2"x4" SW. BOX HORIZONTAL



FORCED FLOW HEATER  
TYPICAL TWO

**T26A2X132A - THERMOSTAT**  
RANGE 56-84



RADIATION CONTROL  
TYPICAL FIVE



21685 - MASTER TRANSFORMER

MATERIAL LIST

QUANTITY	TYPE	DESCRIPTION
2	TA42A53	THERMOSTAT
5	T26A2X132A	"
1	T921A6	"
1	T915C309XA	CONTROLLER
1	L480B35XCOA	"
1	M904E75DS	MOTOR
1	M905E5DS	"
2	AT72D12CG	TRANSFORMER
1	Q601D2	LINKAGE
1	Q605A16	"
1	A27520E	ROD
1	V5W13A3XX22X	VALVE 1"
5	V200B3K5	VALVE 3/4"
1	21685	TRANSFORMER

MINNEAPOLIS-HONEYWELL-REGULATOR CO.

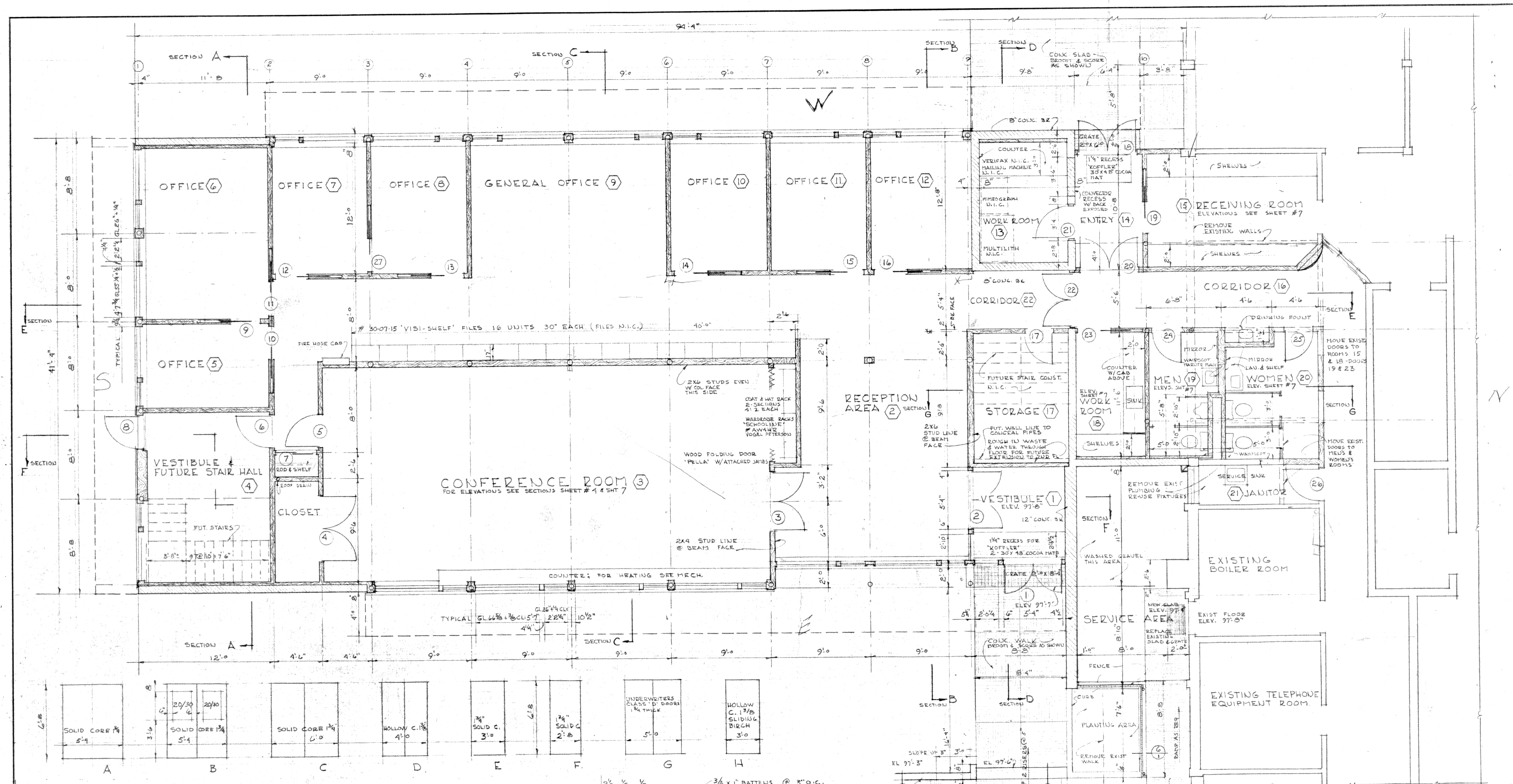
C				
B	ADDED MASTER TRANSFORMER TO V200BA VALVES	7-12-59	JWH	<p><b>(NOW) DATA PROCESSING</b></p> <p>ADMINISTRATION BLDG. ADDN. ANCHORAGE SCHOOL DIST. SPENARD, ALASKA</p>
A	CHANGED RADIATION FROM V5025 TO V200BA PER ROCKINSON	5-21-59	GN	
REVISIONS				
SUPERSEDES	DRAWN BY JWH	DATE 5-6-59		REV.
SUPERSEDED BY	APPROVED BY	SHEET 1 OF 1	DRAWING NUMBER 984-59022-105	

87-0335

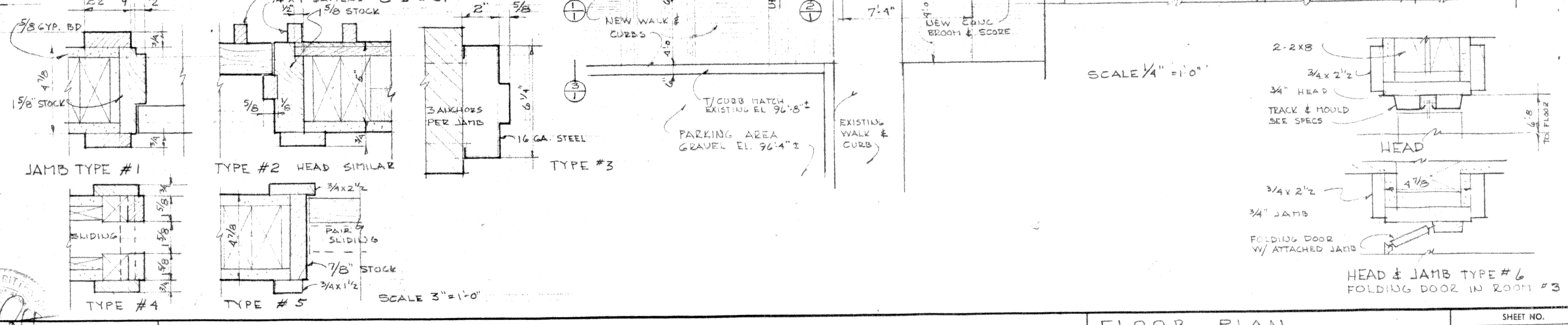
DATA PROCESSING

1959

307



DOOR SCHEDULE				DOOR SCHEDULE					
NO.	TYPE	JAMB	HARDWARE	REMARKS	NO.	TYPE	JAMB	HARDWARE	REMARKS
1	A	DET'S SMT 6		THRESH. WEATHERSTRIP	16	H	#4		
2	A	DET'S SMT 6			17	F	#1		
3	A	#1			18	B	#2		THRESH. WEATHERSTRIP LITE
4	C	#1			19				EXISTING RELOCATED
5	E	#1			20	B	#1		
6	E	#1			21	E	#3		
7	D	#5			22	G	#3		
8	E	DET'S SMT 6		THRESH. WEATHERSTRIP	23				EXISTING RELOCATED UNDER CUT 1"
9	H	#4			24				EXISTING RELOCATED UNDER CUT - SEE MECH.
10	H	#4			25				EXISTING RELOCATED UNDER CUT - SEE MECH.
11	H	#4			26	E	#1		
12	H	#4			27	H	#4		
13	H	#4			28	FOLDING	#6		'PELLA' FOLDING WOOD.
14	H	#4							
15	H	#4							



EDWIN CRITTENDEN • ARCHITECTS • and ASSOCIATES  
835 9th AVENUE • ANCHORAGE • ALASKA

DATE 3-20-59  
DWN BY S.F.JUL  
CHK BY [Signature]  
JOB NO. 5844

REVISIONS:

ADDITION TO ADMINISTRATION BUILDING  
ANCHORAGE INDEPENDENT SCHOOL DISTRICT - SPENARD, ALASKA

FLOOR PLAN  
DOOR SCHEDULE

SCALE 1/4" = 1'-0"

SCALE 3" = 1'-0"

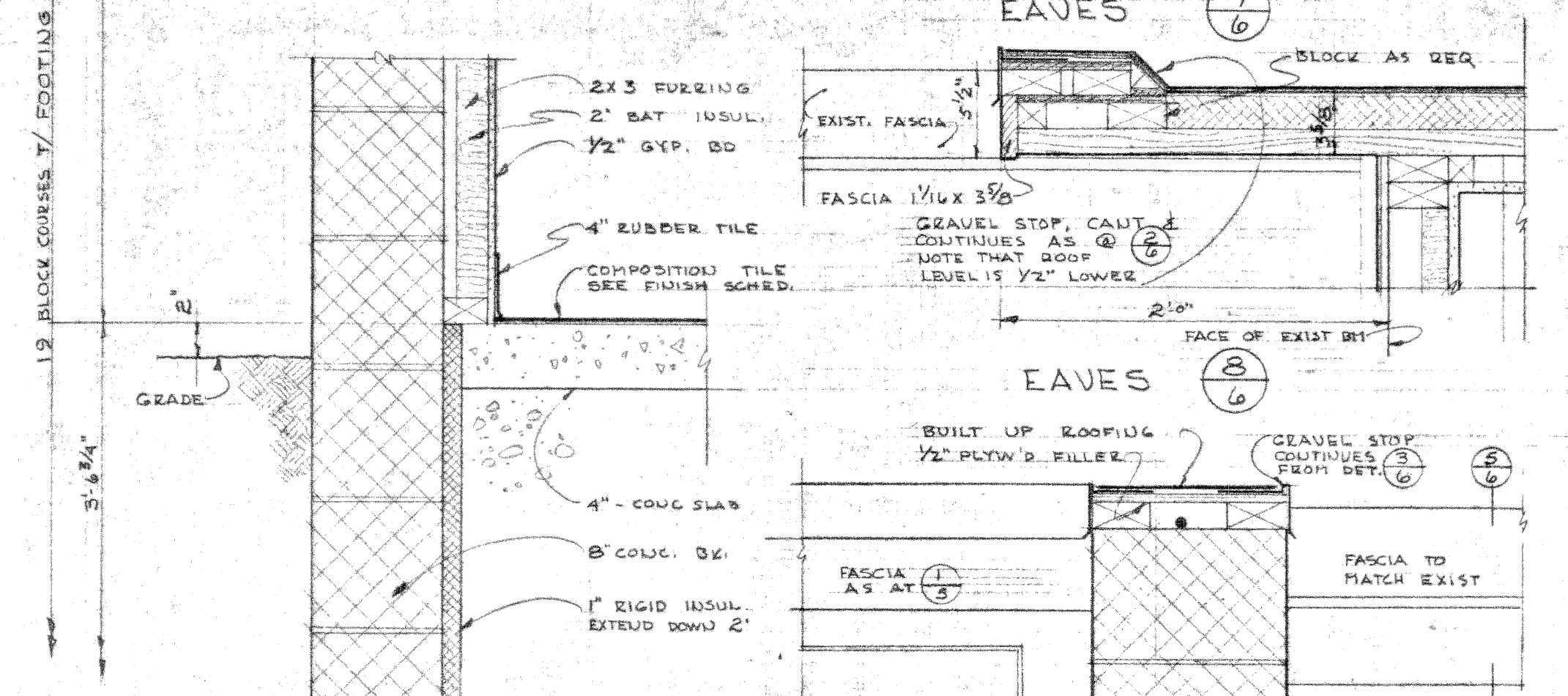
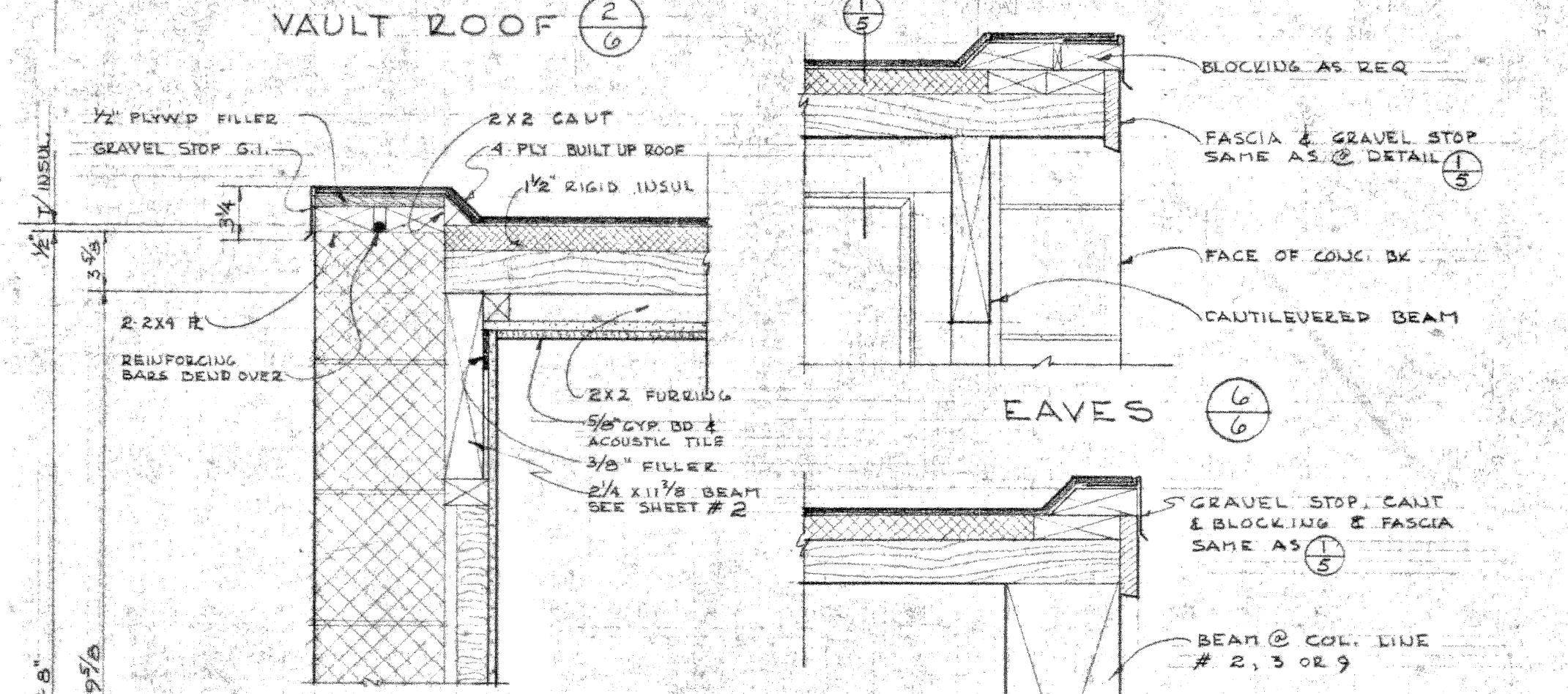
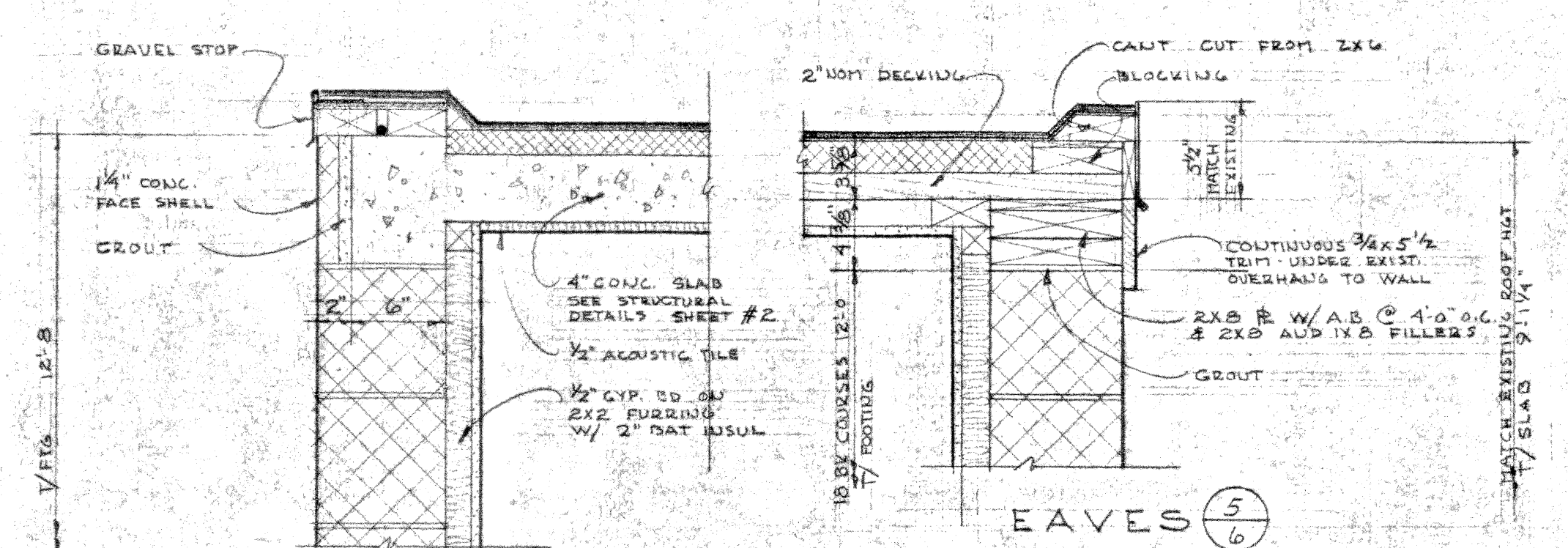
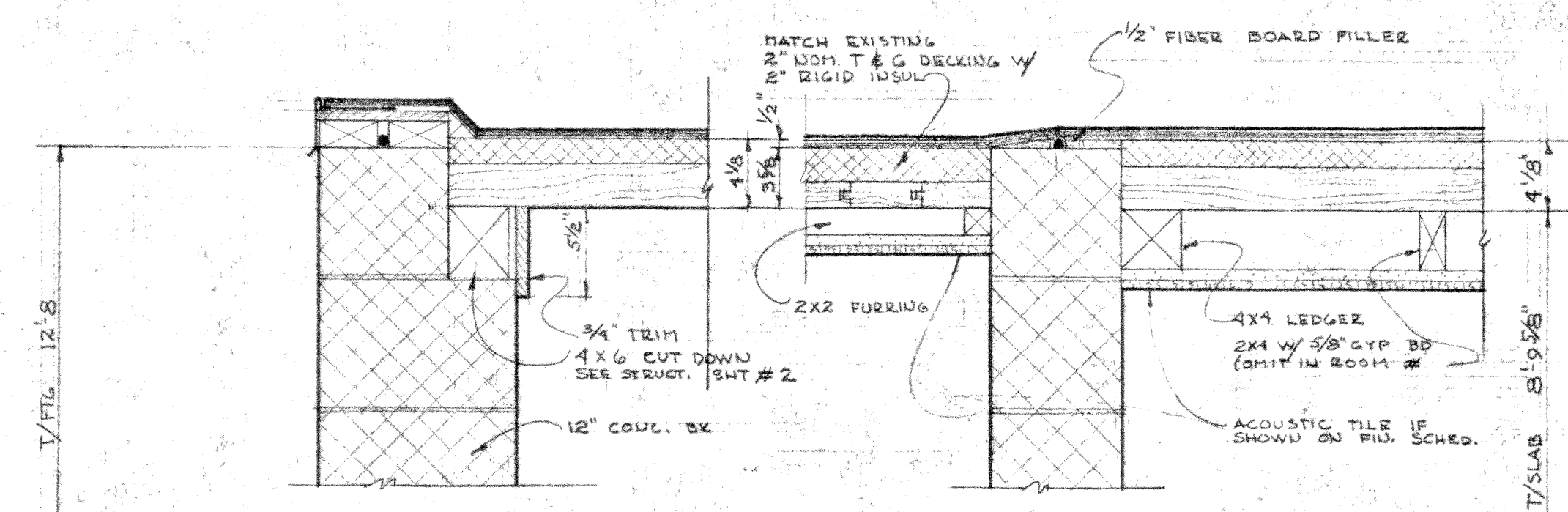
HEAD & JAMB TYPE #6  
FOLDING DOOR IN 2007 #3

SHEET NO.  
3  
OF 7

DATA PROCESSING

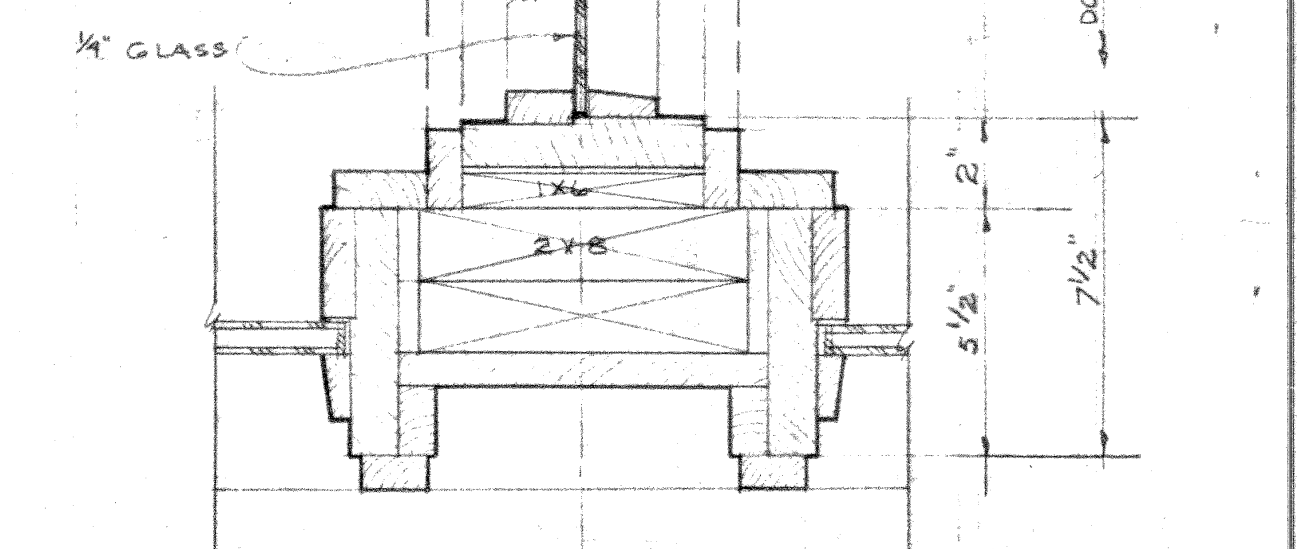
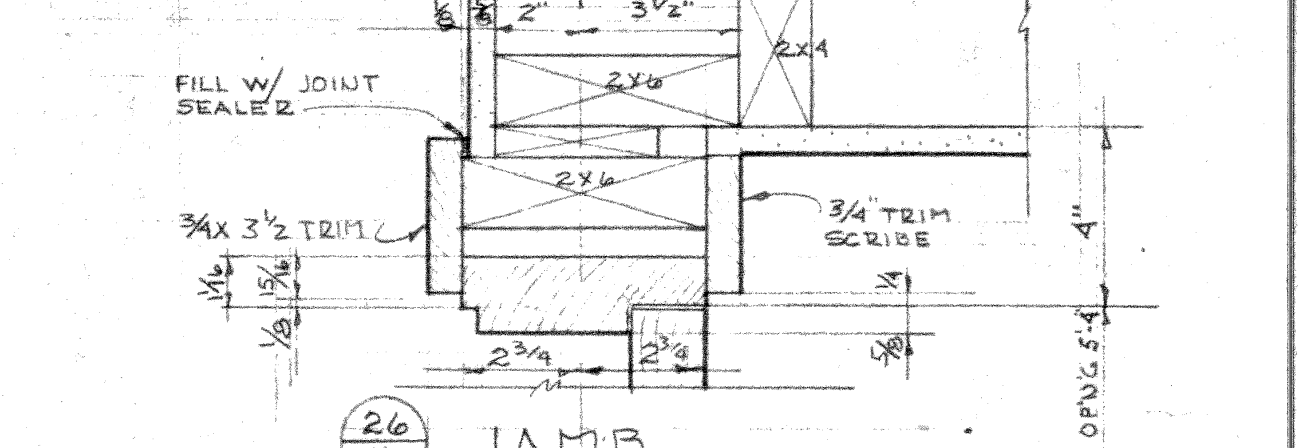
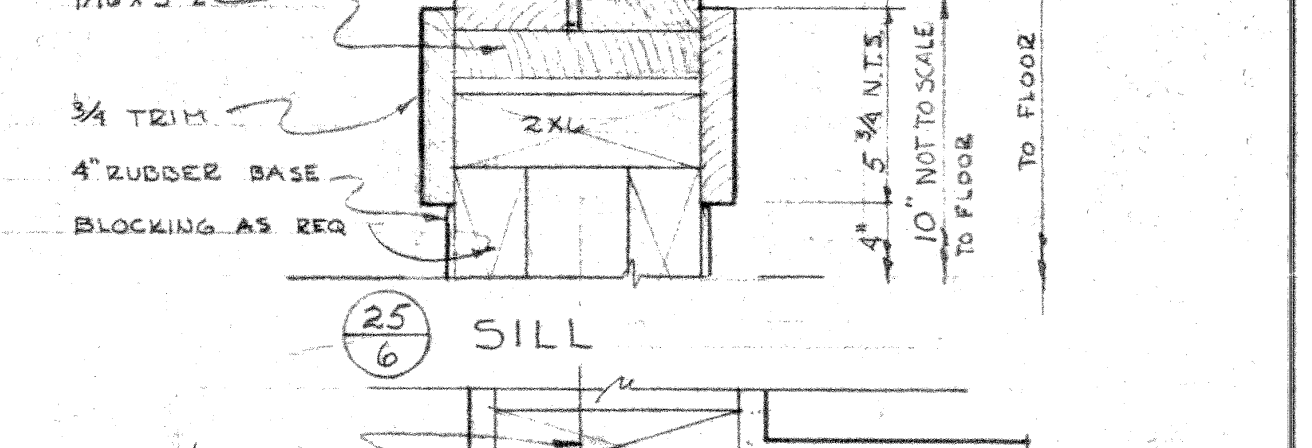
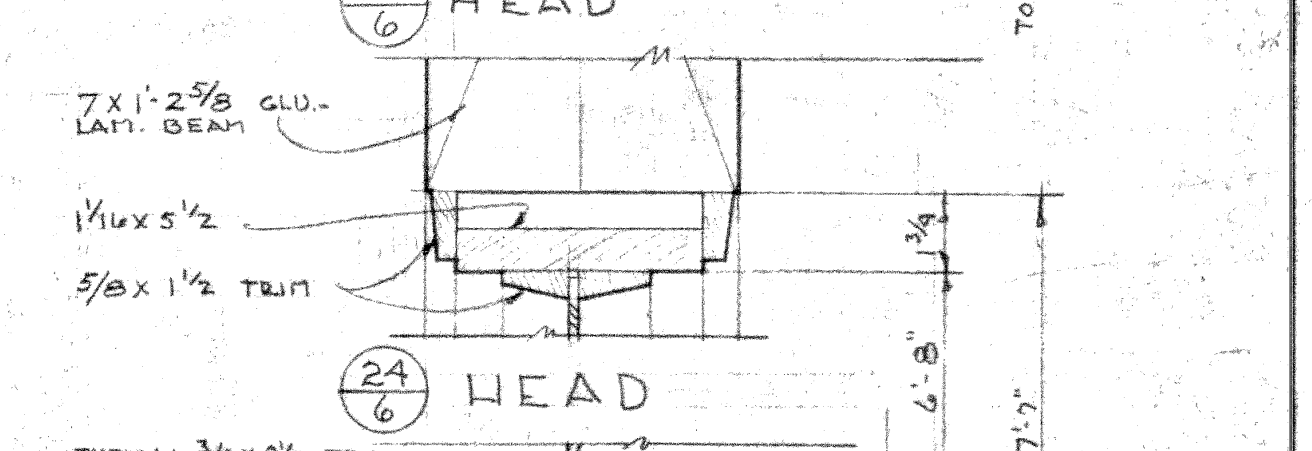
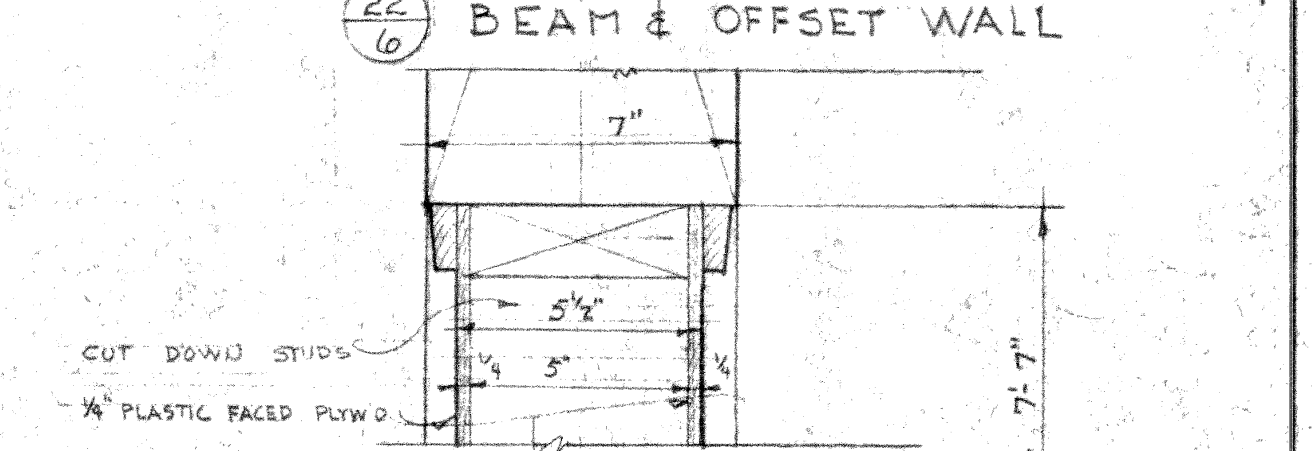
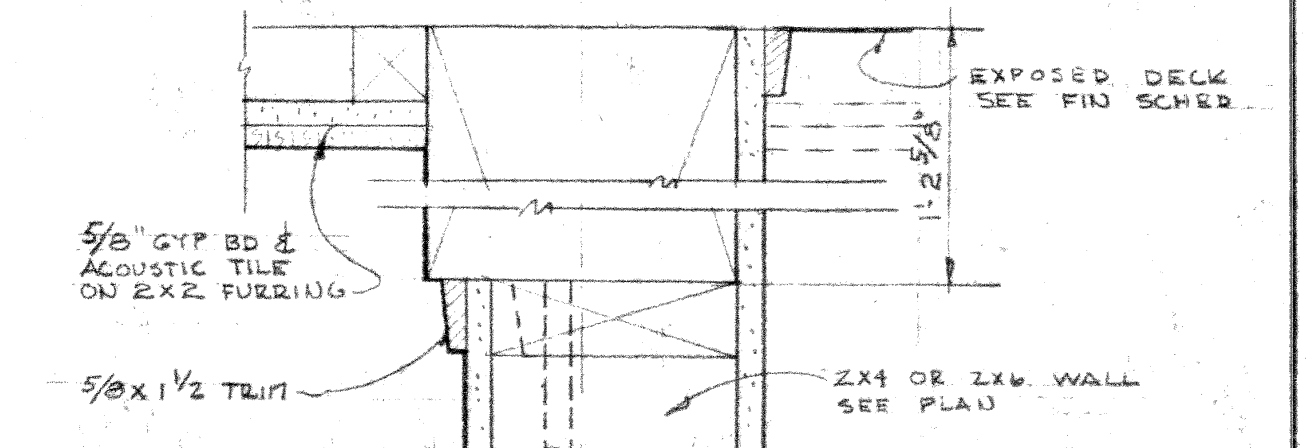
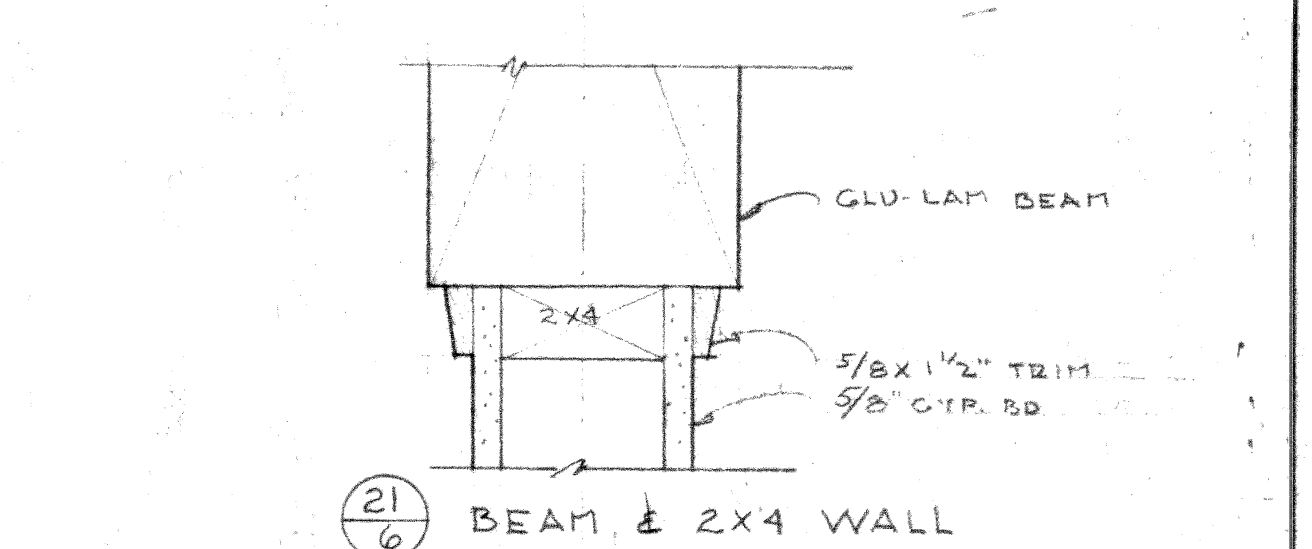
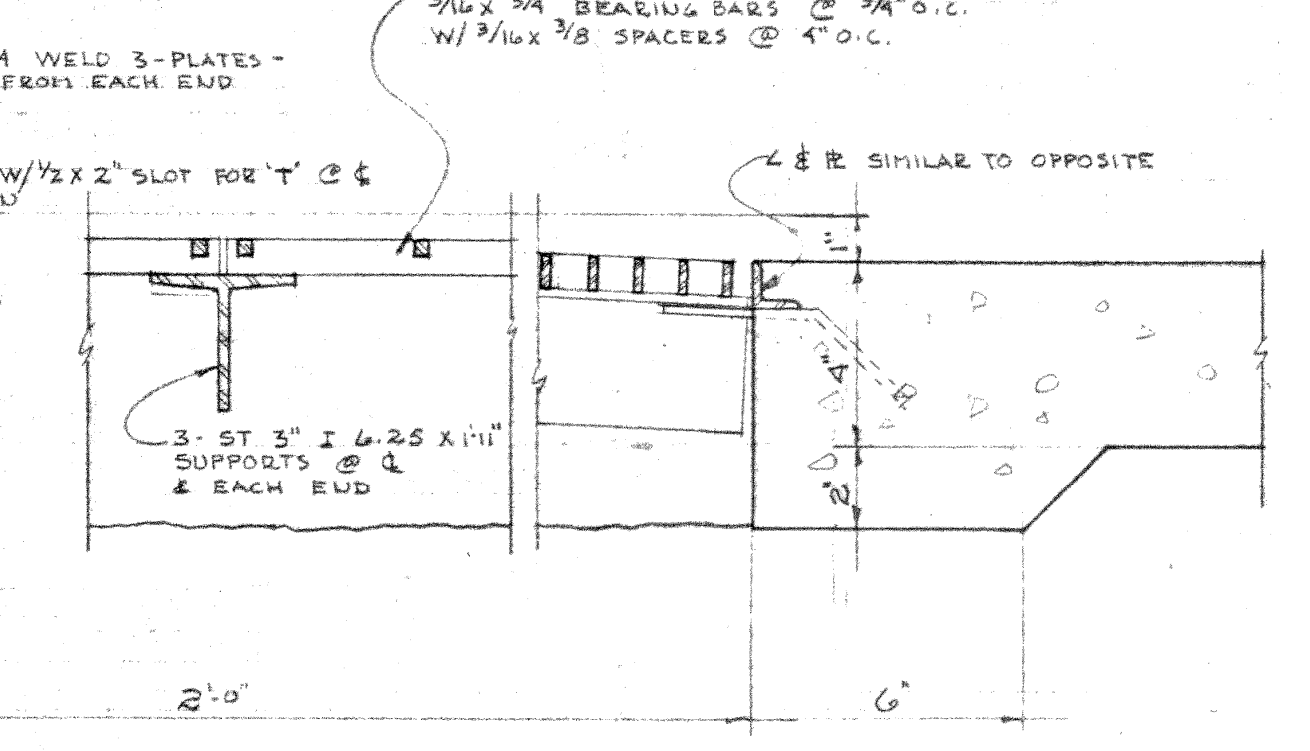
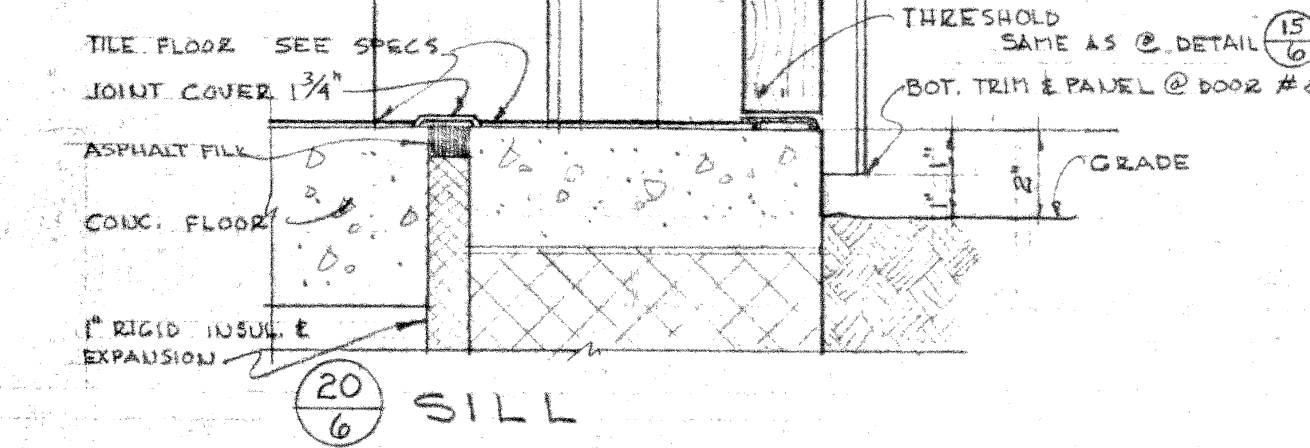
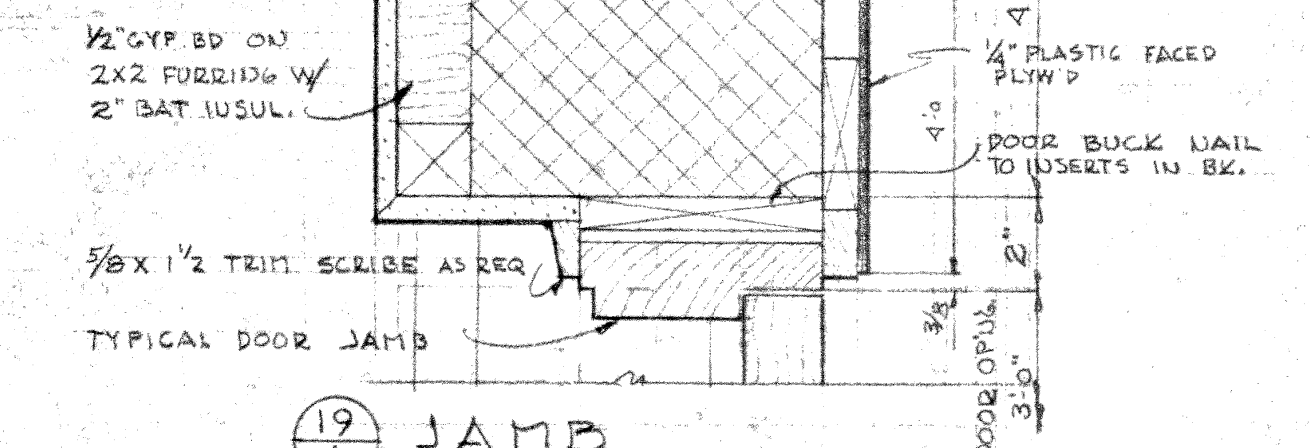
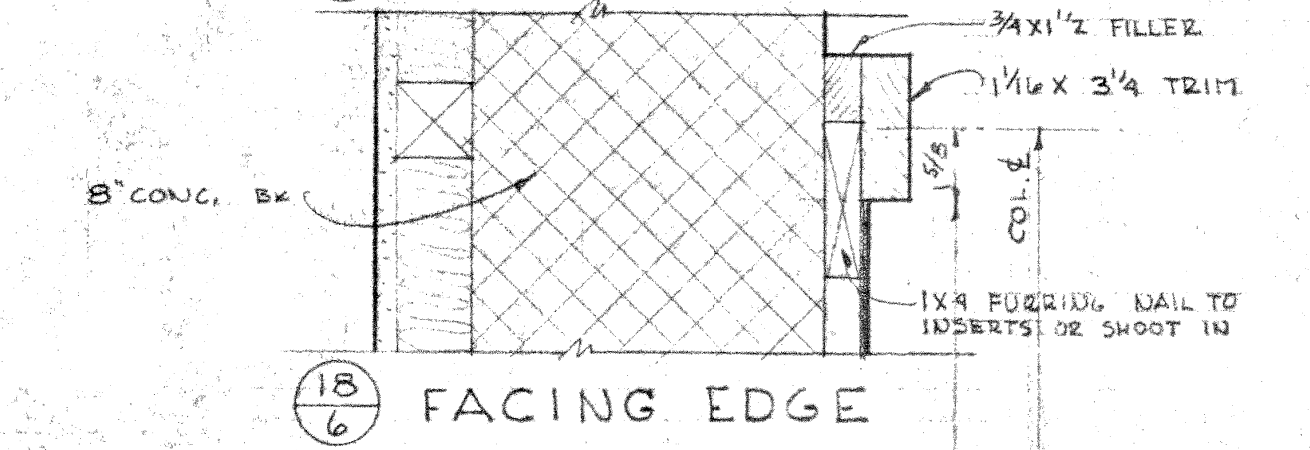
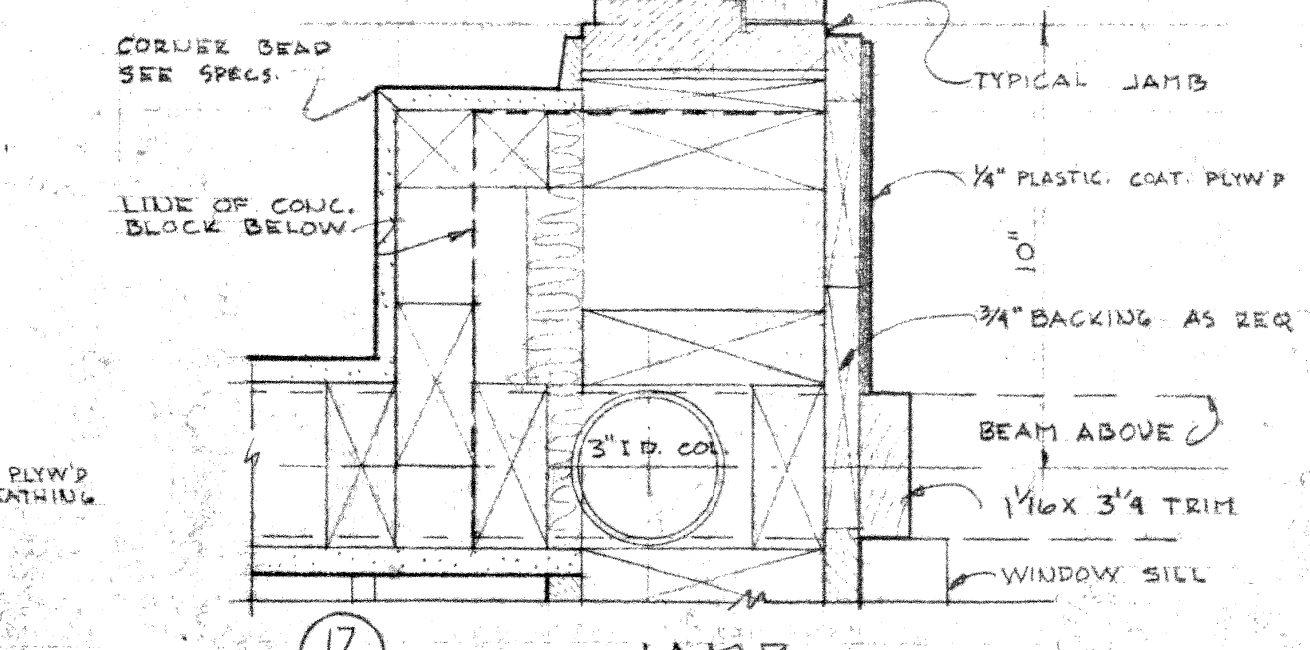
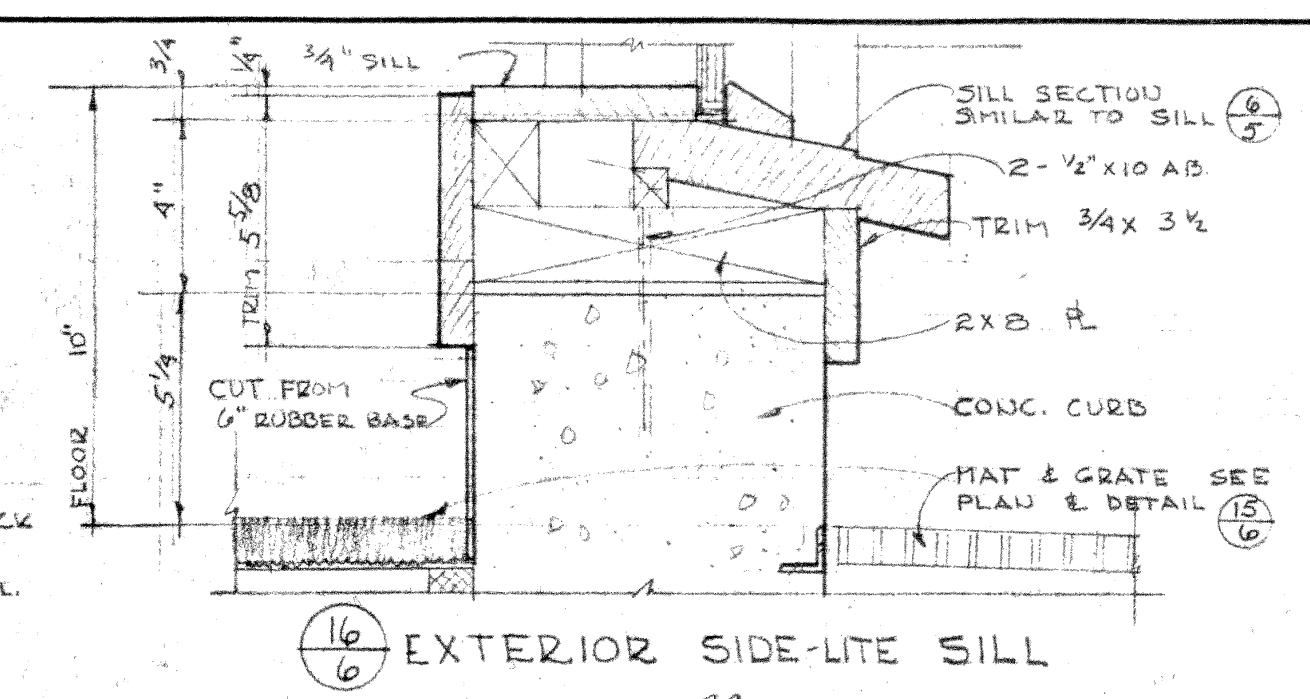
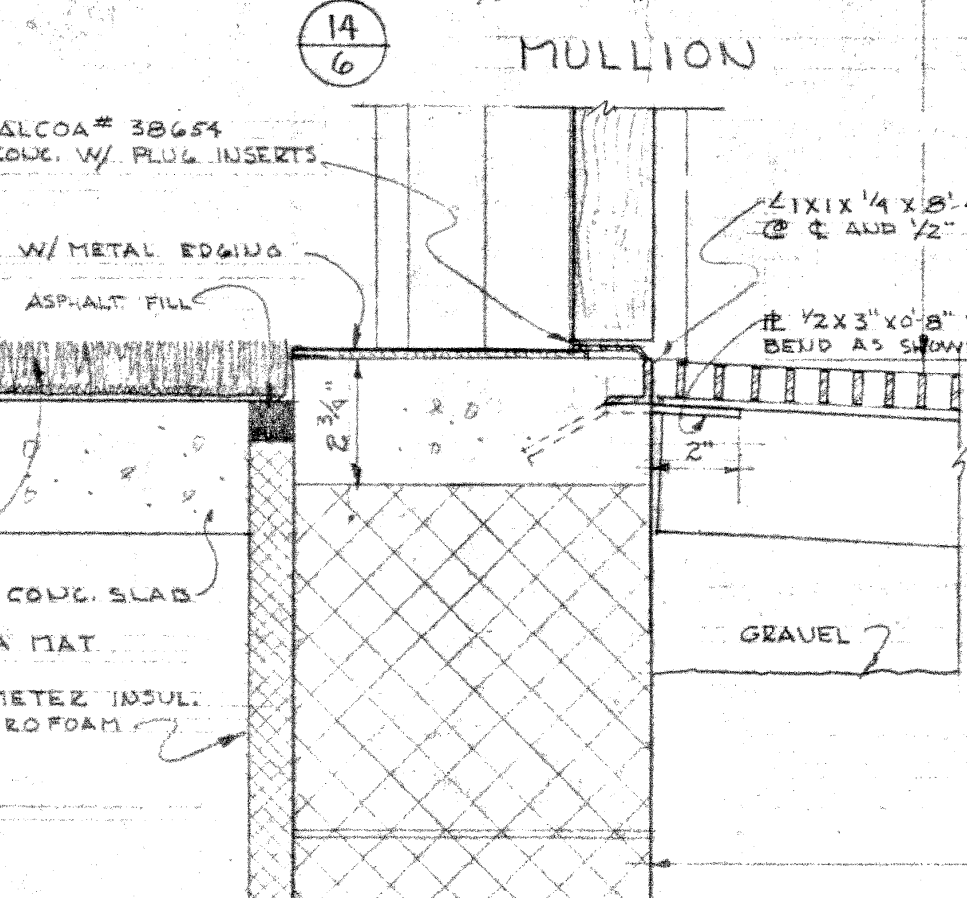
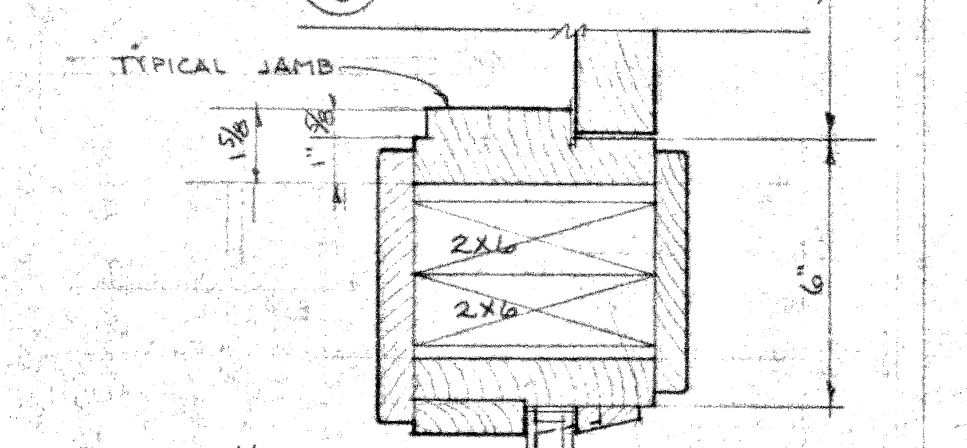
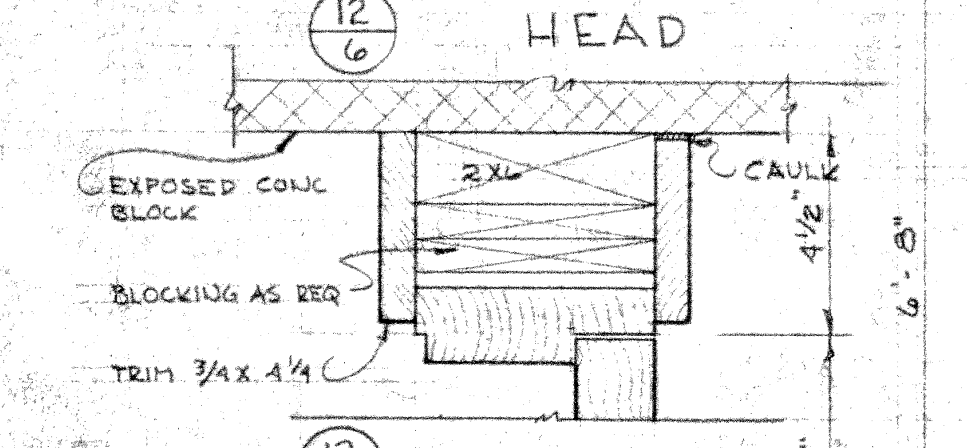
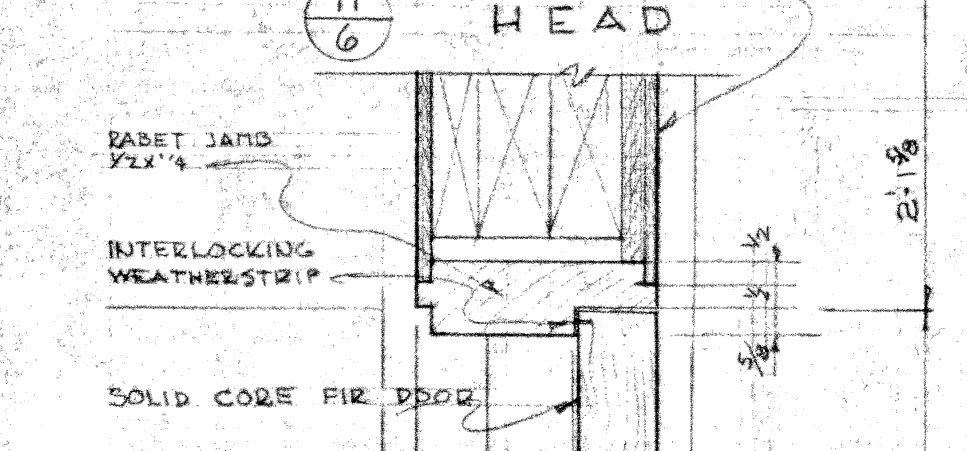
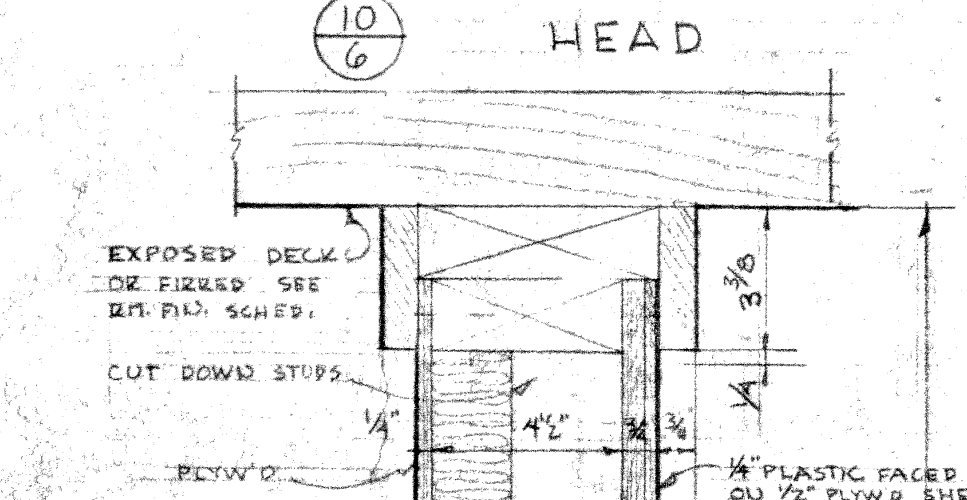
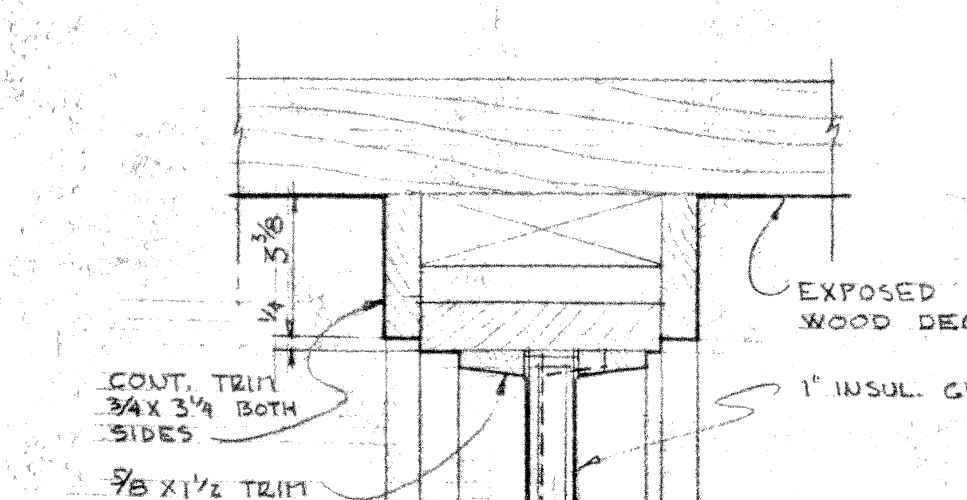
1959

6 of 7



**TYPICAL WALL SECTION (1)**  
 1 1/2" x 1'-0"

**COPING (9)**  
 ALL EAVES & ROOF DETAILS SCALE 1 1/2" = 1'-0"

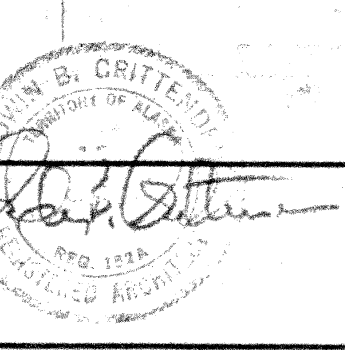


**ENTRANCE DETAILS DOOR # 1 (15)**  
 ALL ENTRANCE & MISCL. DETAILS SCALE 3" = 1'-0"

**BEAM & 2x4 WALL (21)**  
 BEAM & OFFSET WALL (22)  
 HEAD (23)  
 HEAD (24)  
 SILL (25)  
 JAMB (26)  
 MULLION (27)

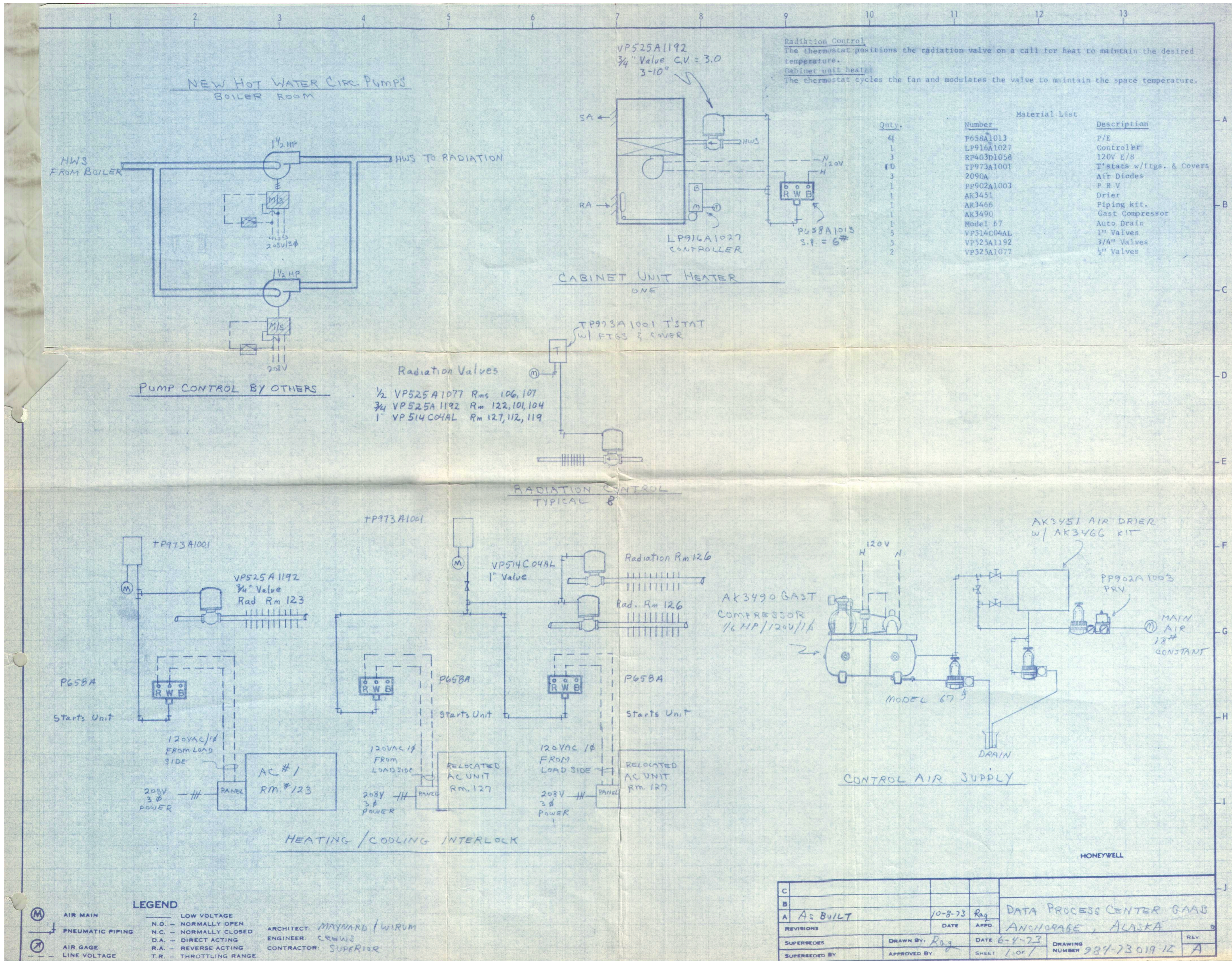
EDWIN CRITTENDEN • ARCHITECTS • and ASSOCIATES  
 833 9th AVENUE • ANCHORAGE • ALASKA  
 DATE: 3-20-59  
 DN. BY: SPJUL  
 CHK. BY: CHG. BY  
 JOB NO. 5844

REVISIONS:  
 ALL EAVES & ROOF DETAILS SCALE 1 1/2" = 1'-0"



ADDITION to ADMINISTRATION BUILDING  
 ANCHORAGE INDEPENDENT SCHOOL DISTRICT SPENARD ALASKA

TYPICAL WALL SECTION  
 EAVES DETAILS  
 ENTRANCE DETAILS  
 MISCELLANEOUS DETAILS  
 SHEET NO. 6  
 OF 7



Material List

Qty.	Number	Description
4	P65BA1013	P/E
1	LP916A1027	Controller
3	RP403D1058	120V E/B
10	TP973A1001	T'stats w/ftgs. & Covers
3	2090A	Air Diodes
1	PP902A1003	P.R.V.
1	AK3451	Drier
1	AK3466	Piping kit.
1	AK3490	Gast Compressor
1	Model 67	Auto Drain
5	VP514C048L	1" Valves
5	VP525A1192	3/4" Valves
2	VP525A1077	1/2" Valves

Radiation Valves  
 1/2 VP525A1077 Rms 106, 107  
 3/4 VP525A1192 Rm 122, 101, 104  
 1" VP514C048L Rm 127, 112, 119

AK3490 GAST  
 COMPRESSOR  
 1/6 HP / 120V / 1Φ

HONEYWELL

**LEGEND**  
 AIR MAIN  
 PNEUMATIC PIPING  
 AIR GAGE  
 LINE VOLTAGE  
 N.O. - NORMALLY OPEN  
 N.C. - NORMALLY CLOSED  
 D.A. - DIRECT ACTING  
 R.A. - REVERSE ACTING  
 T.R. - THROTTLING RANGE

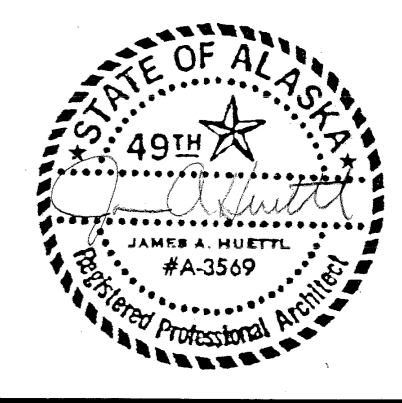
ARCHITECT: MAYNARD / WIRUM  
 ENGINEER: CRUWS  
 CONTRACTOR: SUPERIOR

C				
B				
A	A2 BUILT	10-8-73	Rag	DATA PROCESS CENTER GAAS ANCHORAGE, ALASKA
REVISIONS	DATE	APPR.		
SUPERSEDES	DRAWN BY: Rag	DATE: 6-4-73	DRAWING NUMBER: 984-73019-12	REV: A
SUPERSEDED BY	APPROVED BY:	SHEET: 1 OF 7		

# DATA PROCESSING BUILDING

1602 HILLCREST  
ANCHORAGE, AK.

**RECORD DRAWING**  
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By *John Sted* Date *4-6-87*



ANCHORAGE SCHOOL DISTRICT  
1301 LABAR  
ANCHORAGE ALASKA 99515

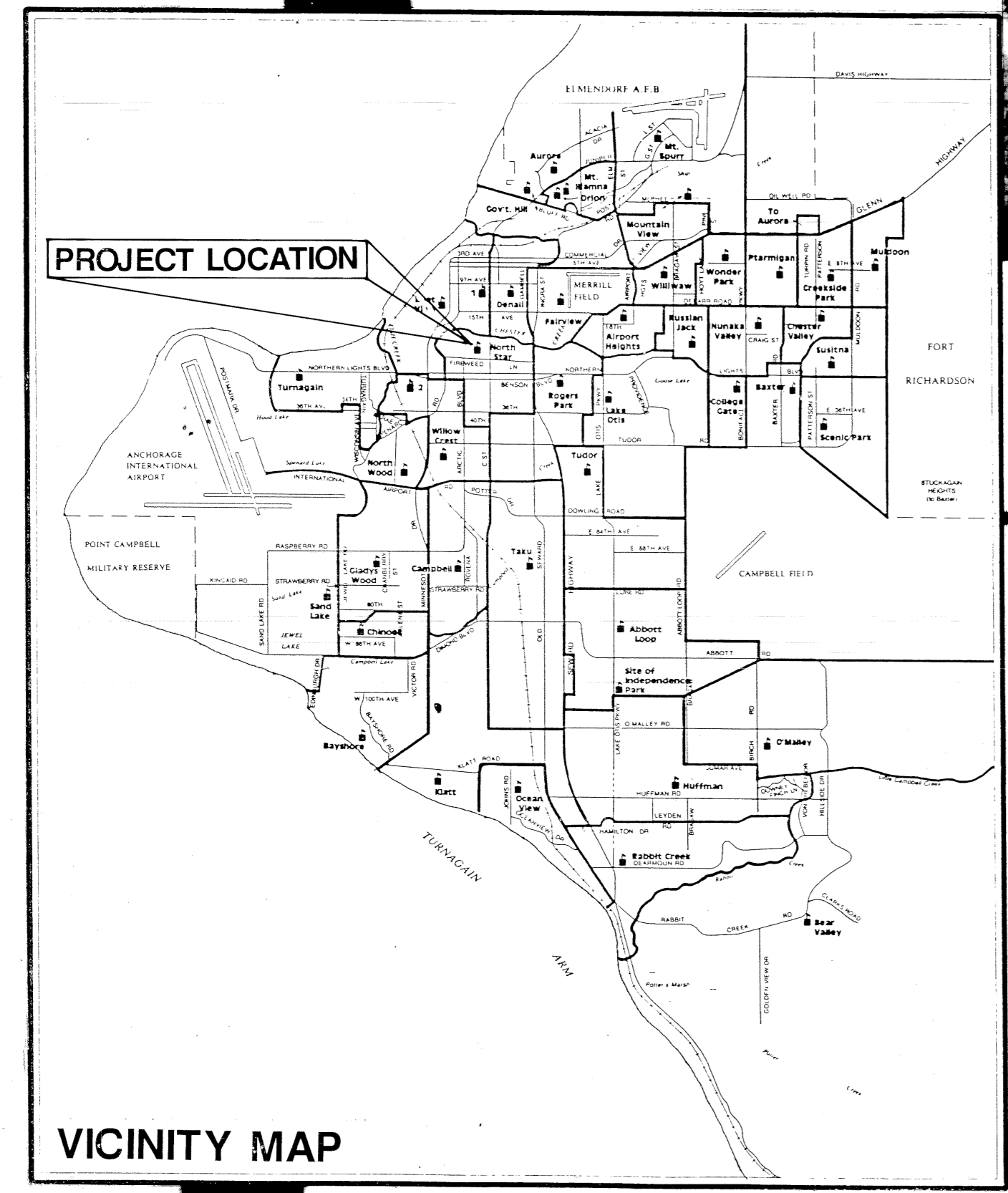
**USKH**  
Architecture Engineering Land Surveying Planning  
2515 'A' Street Anchorage, Alaska 99503  
601 Hughes Avenue, Suite 202 Fairbanks, Alaska 99701  
(907) 276-4245 (907) 452-2128

Project DATA PROCESSING BUILDING

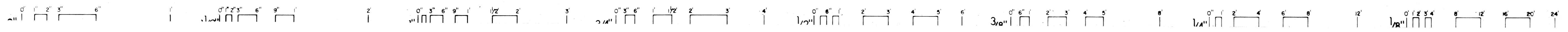
Date	Revision	By	Project Manager
4-29-87	RECORD DWG	JS	K.P.
			T.J.
			J.H.
			Date 4-29-87
			USKH# 2517A

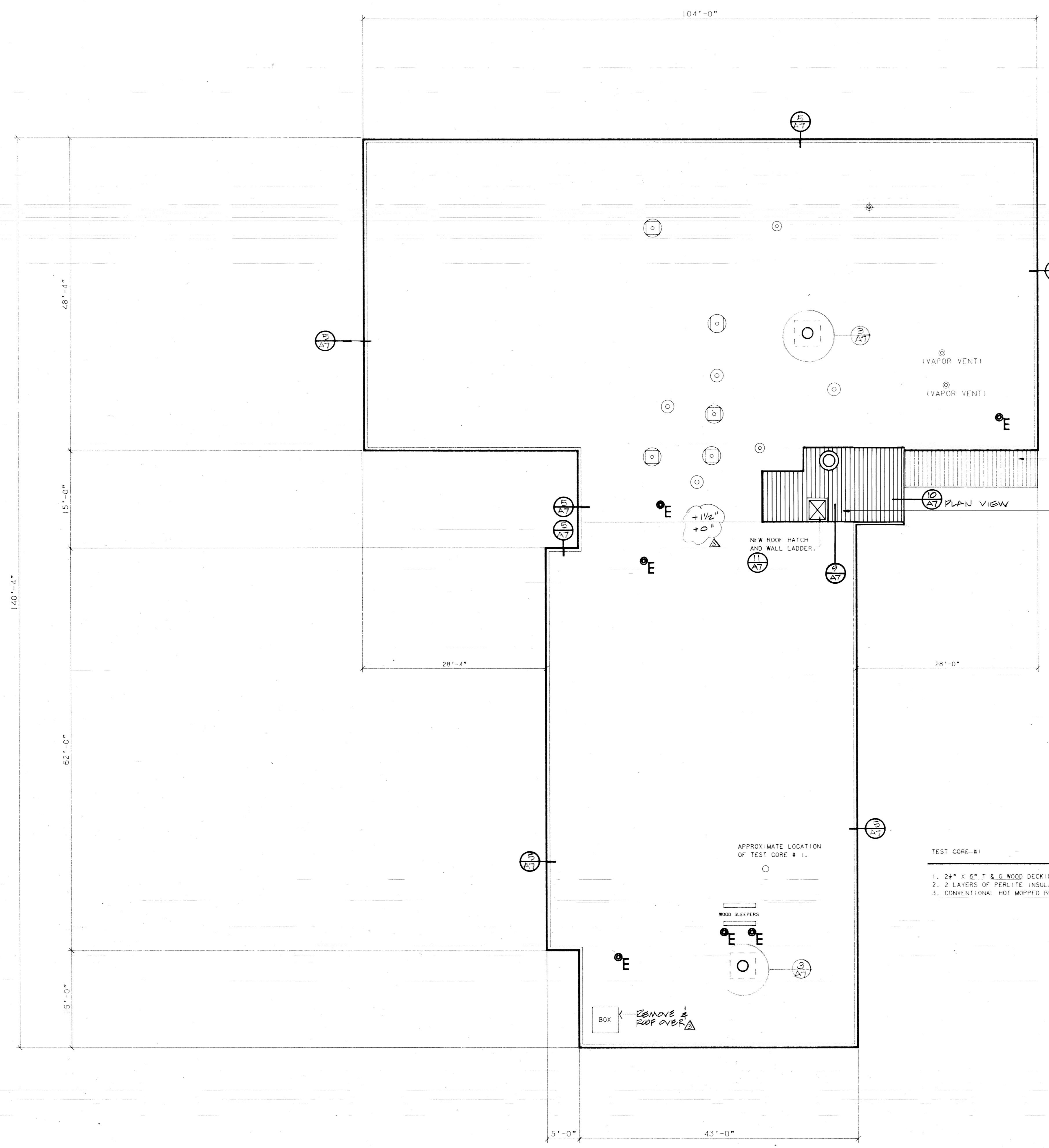
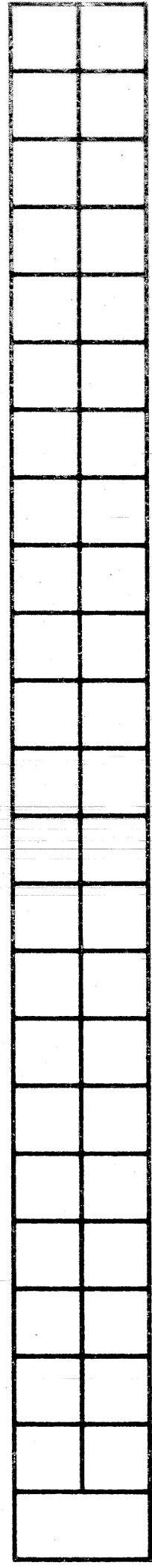
Sheet Contents AERIAL PHOTO/SITE PLAN Sheet No. A-5

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OVERLAYS REQUIRED FOR COMPOSITE

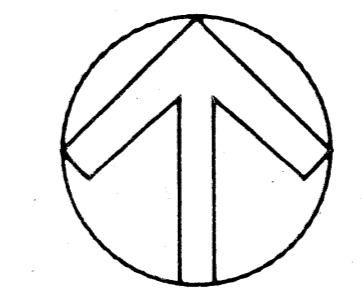




ROOF SYMBOLS LEGEND

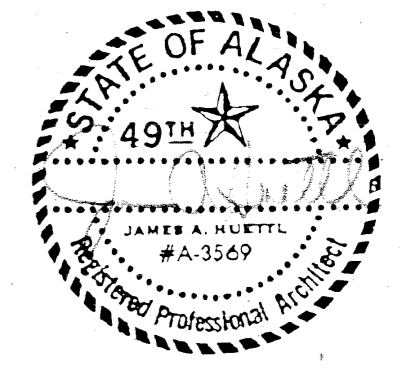

NOTES:  
ROOF VENTS, STACKS, ROOF DRAINS, AND OTHER ROOF TOP ITEMS ARE OF THE APPROXIMATE SIZE AND LOCATION SHOWN ON THE DRAWINGS. ROOF TOP ITEMS HAVE BEEN TAKEN FROM EXISTING DRAWINGS, AERIAL PHOTOS, AND FIELD INSPECTIONS, ALTHOUGH REASONABLE CARE HAS BEEN TAKEN TO ACCURATELY DEPICT THESE ITEMS. NEITHER THE OWNER NOR THE ARCHITECT WARRANTS THE EXACT NUMBER, SIZE, OR LOCATION OF SAID ITEMS. THE CONTRACTOR SHALL VERIFY IN THE FIELD THE EXACT NUMBER, SIZE, AND LOCATION OF ALL ROOF TOP ITEMS.

ROOFPLAN



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

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By *[Signature]* Date 4/28/80



ANCHORAGE SCHOOL DISTRICT  
1301 LABAR  
ANCHORAGE ALASKA 99515

**USKH**  
Architecture Engineering Land Surveying Planning  
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601 Hughes Avenue, Suite 202 Fairbanks, Alaska 99701  
(907) 276-4245 (907) 452-2128

Project DATA PROCESSING BUILDING

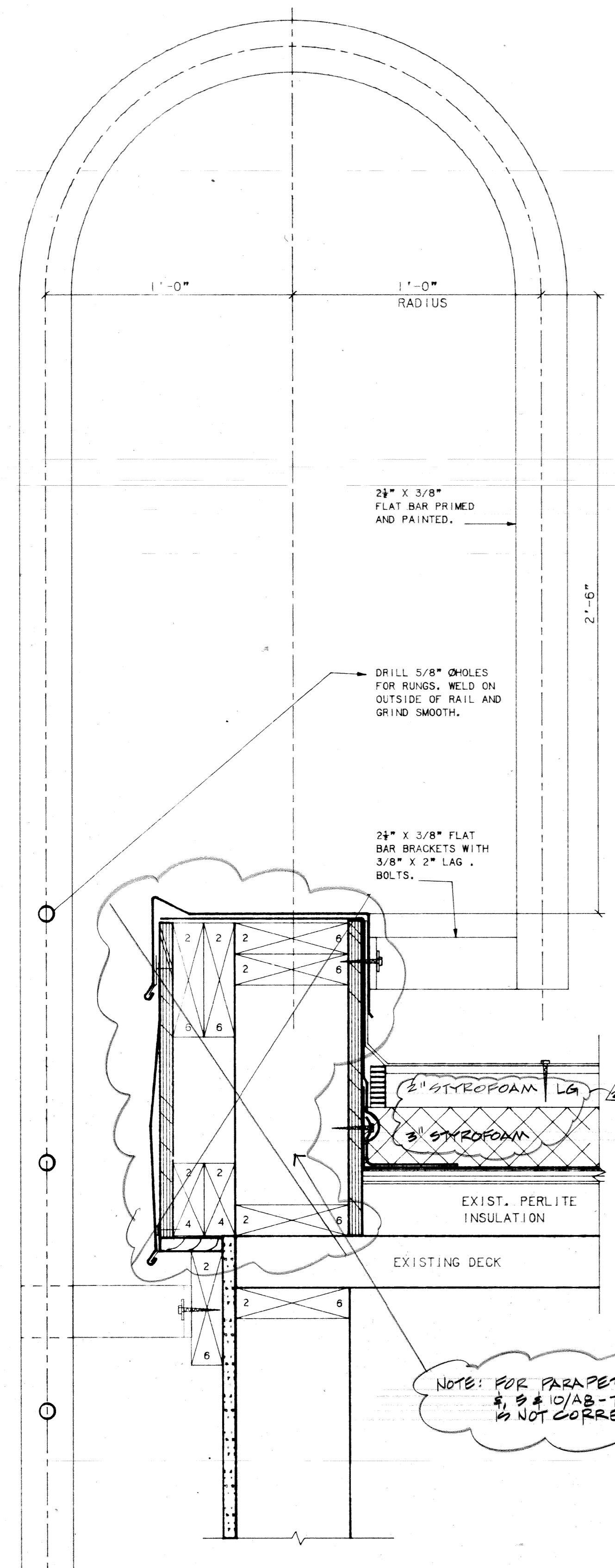
Date	Revision	By	Project Manager	K.F.
			Drawn	DM
3-87	RECORD DNG.	J/S	Drawn	
			Checked	JH
			Date	4/28/80
			USKH#	2517A

Sheet Contents: ROOF PLAN / SYMBOL LEGEND

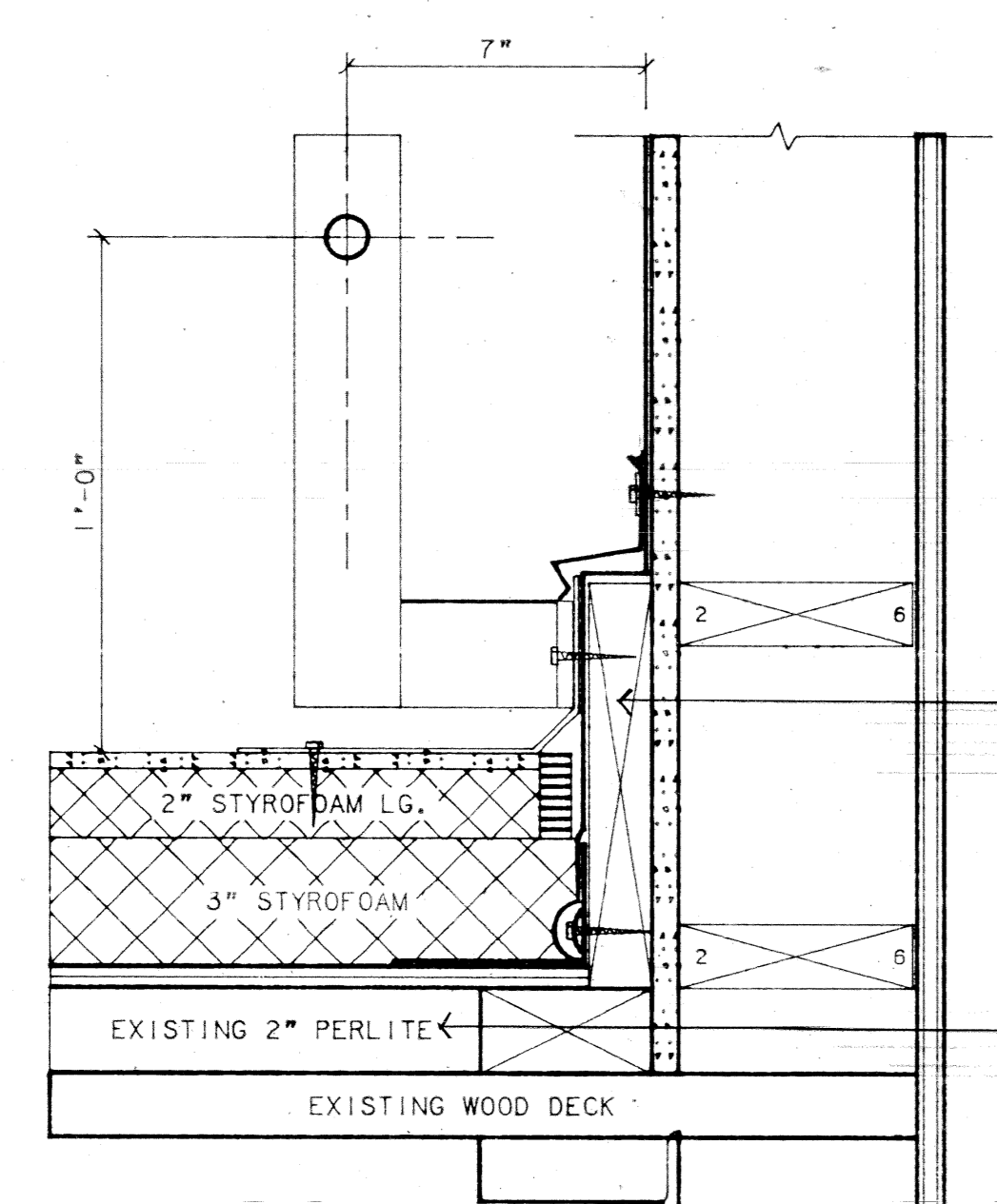
Sheet No. **A-6**



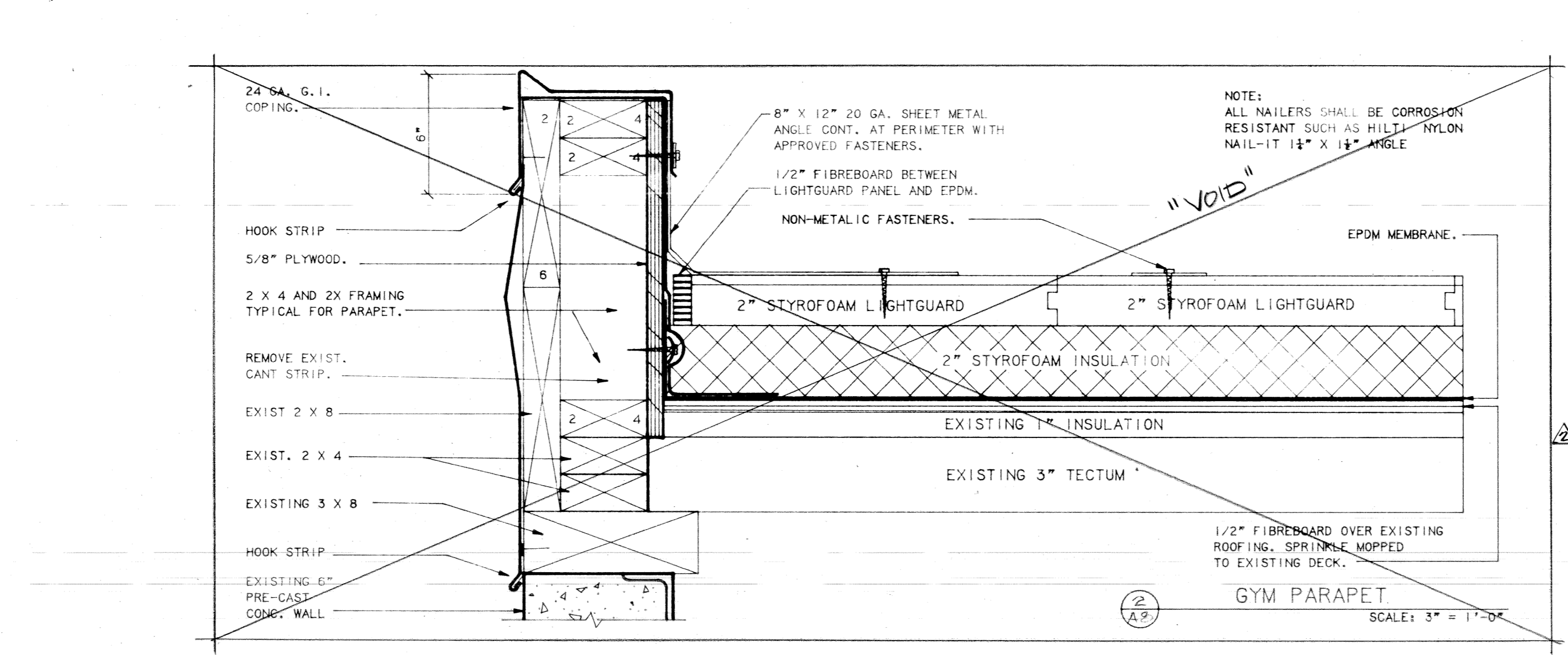
OVERLAYS REQUIRED FOR COMPOSITE



EXTERIOR LADDER DETAILS  
SCALE: 3" = 1'-0"

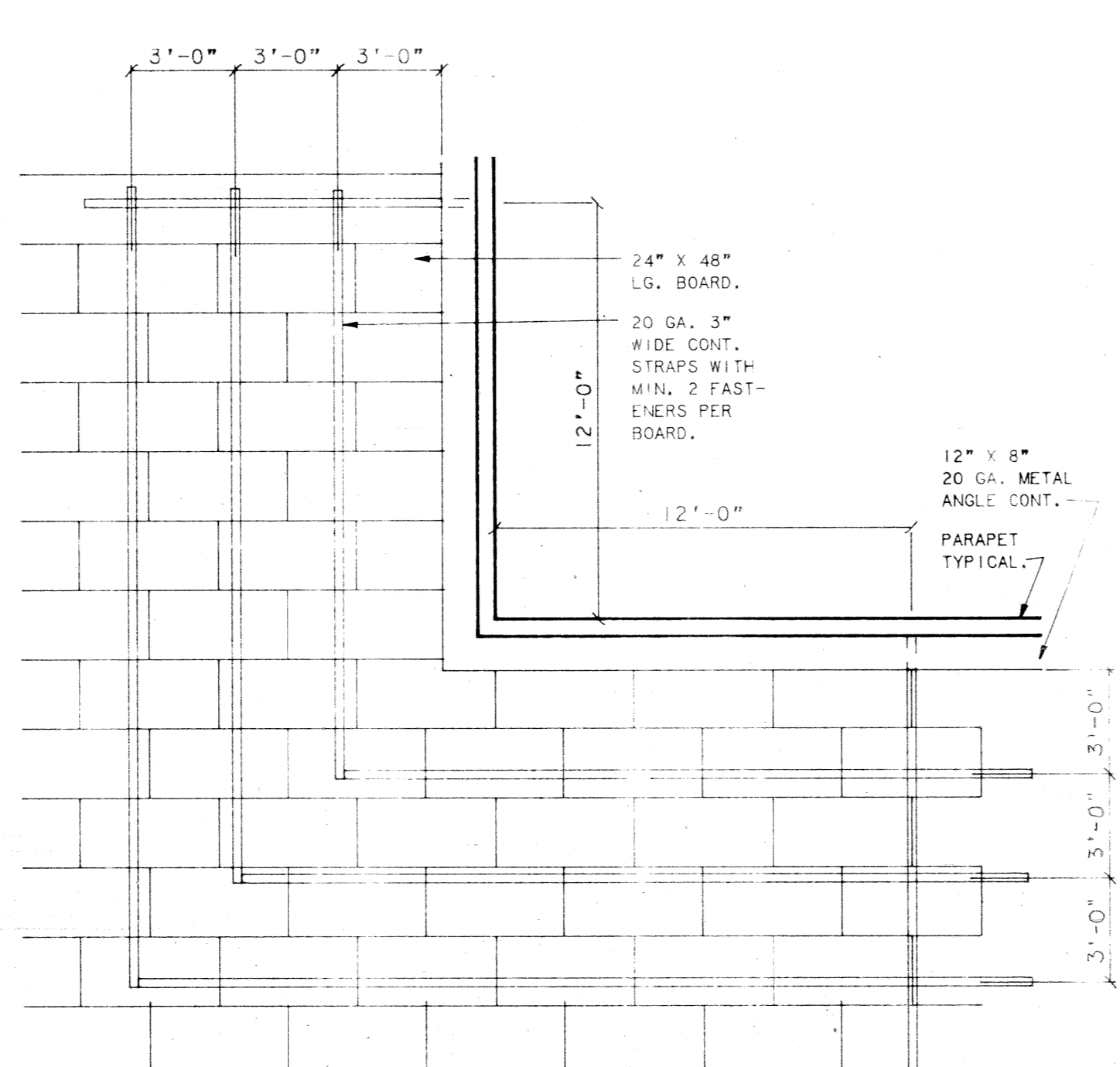


EXTERIOR LADDER DETAIL  
SCALE: 3" = 1'-0"

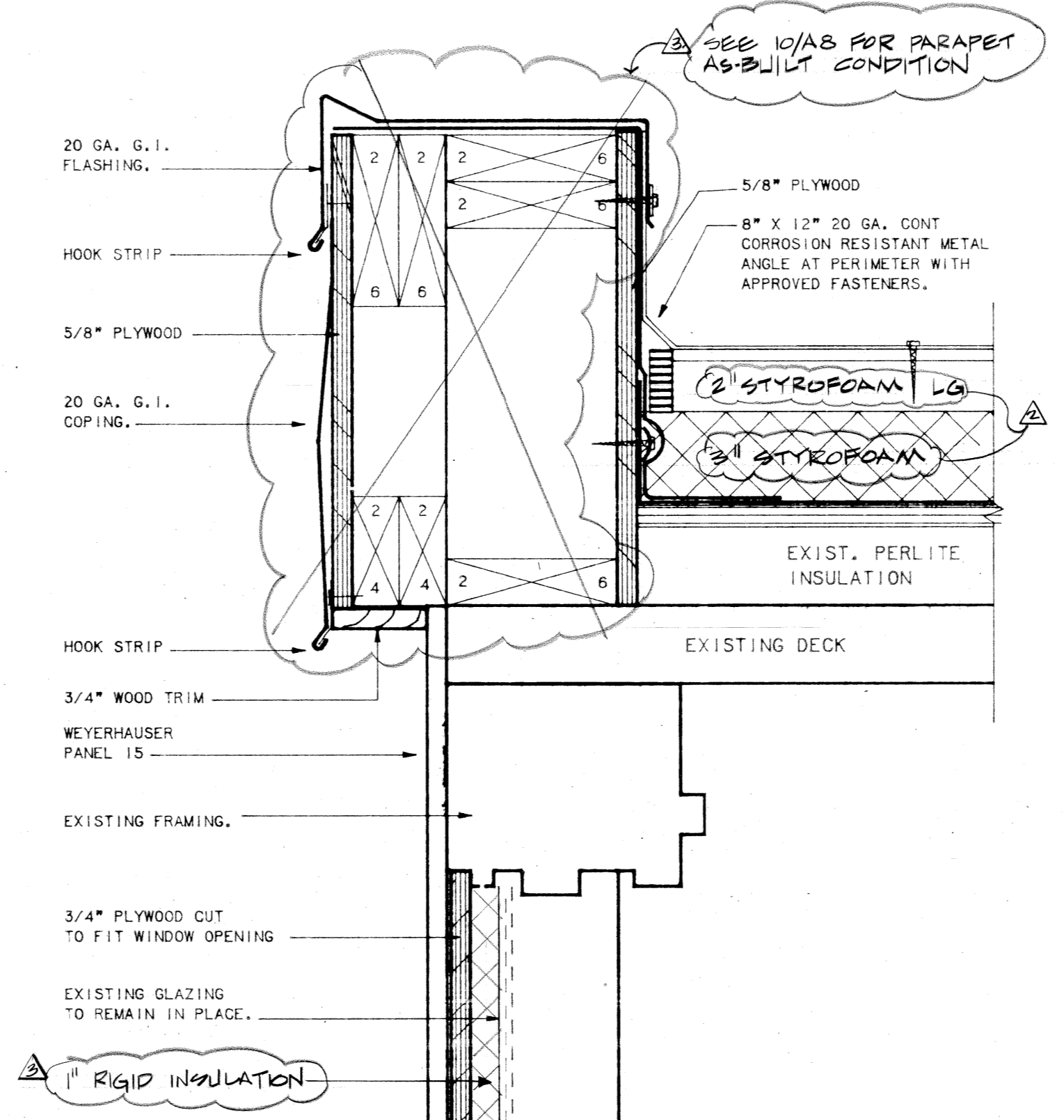


NOTE:  
ALL NAILERS SHALL BE CORROSION  
RESISTANT SUCH AS HILTI NYLON  
NAIL-IT 18" X 14" ANGLE

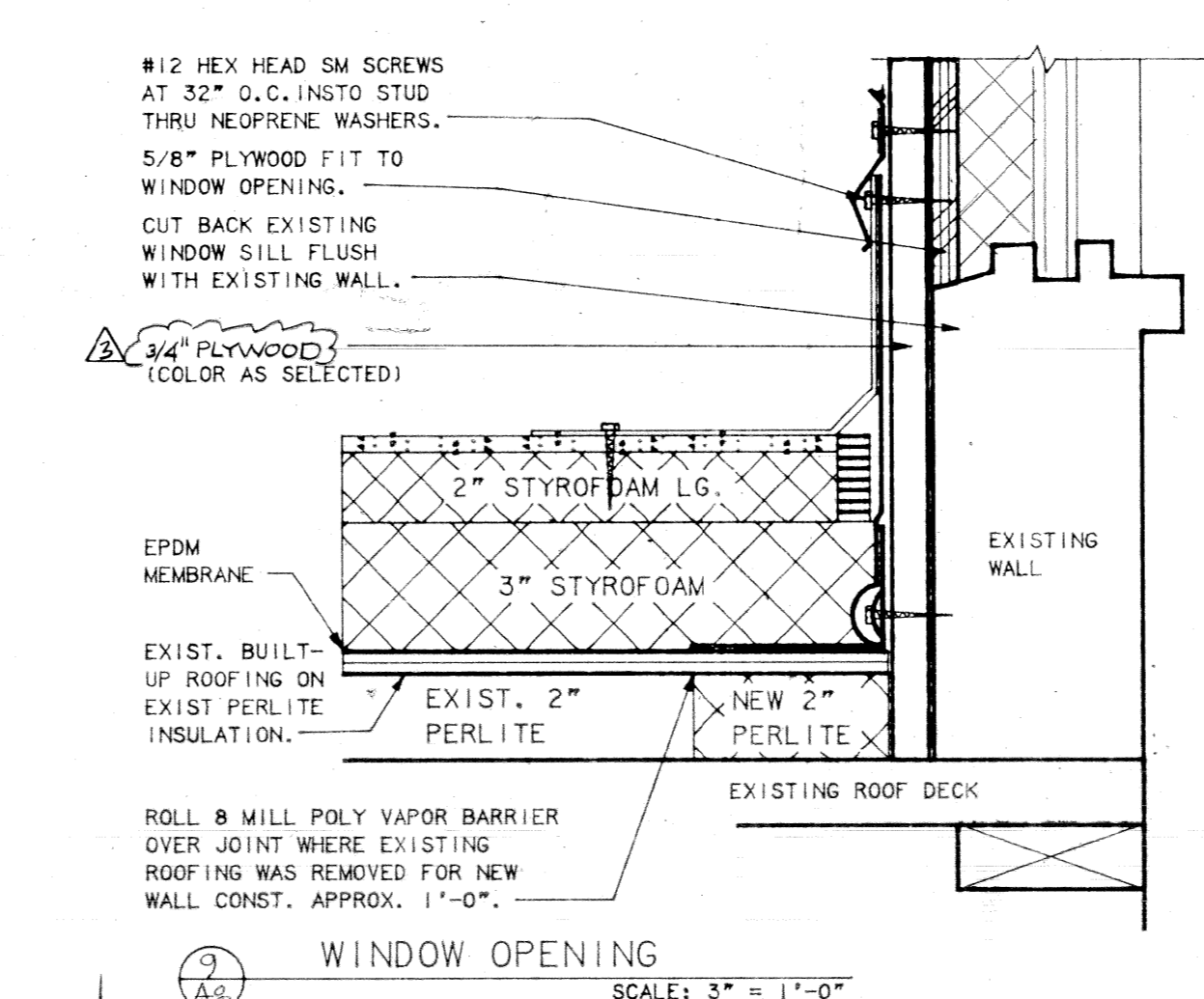
GYM PARAPET  
SCALE: 3" = 1'-0"



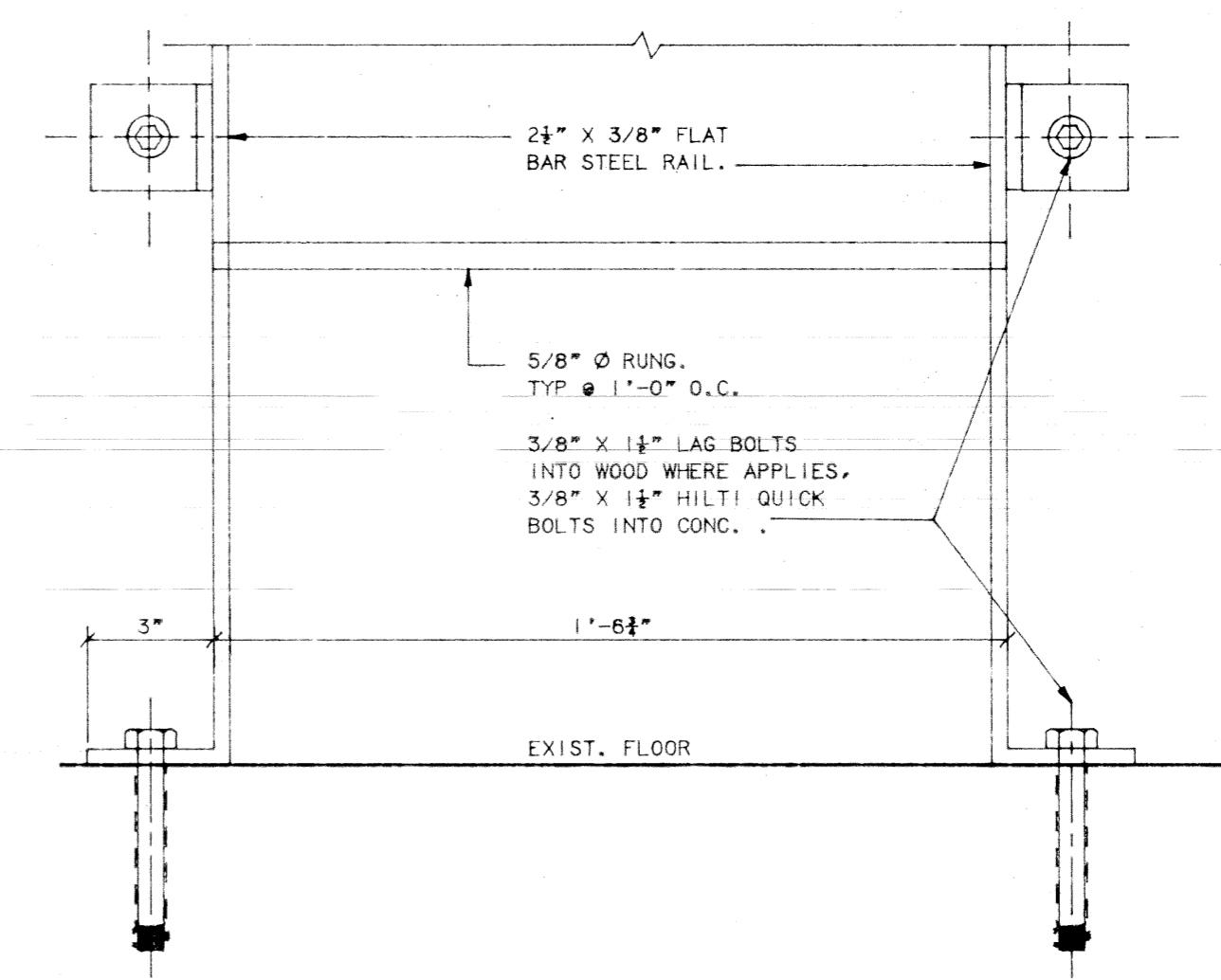
STRAPPING PLAN @ PERIMETER  
SCALE: 1/4" = 1'-0"



ROOF AT LIBRARY & WINDOW HEAD DETAIL  
SCALE: 3" = 1'-0"



WINDOW OPENING  
SCALE: 3" = 1'-0"

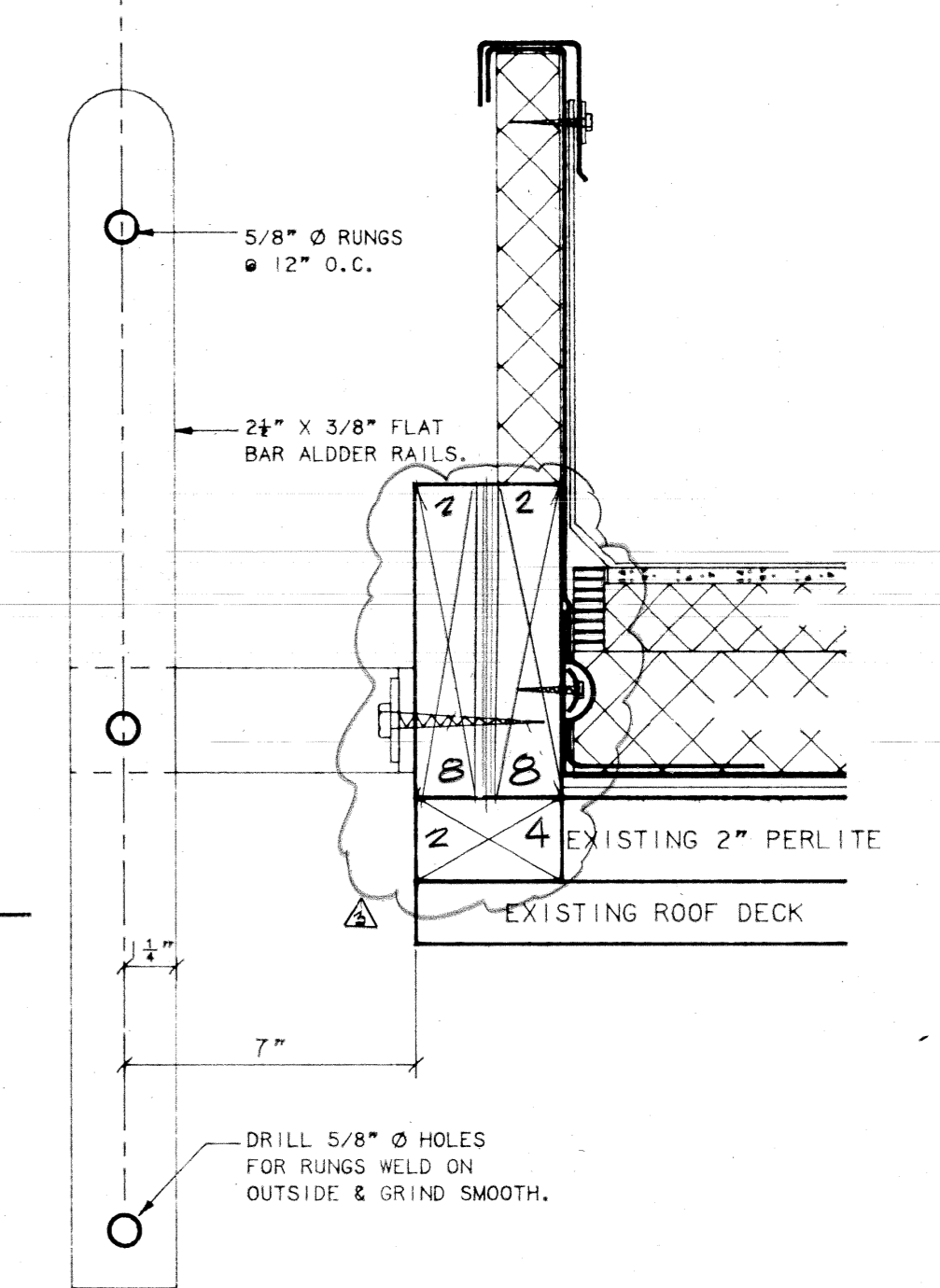


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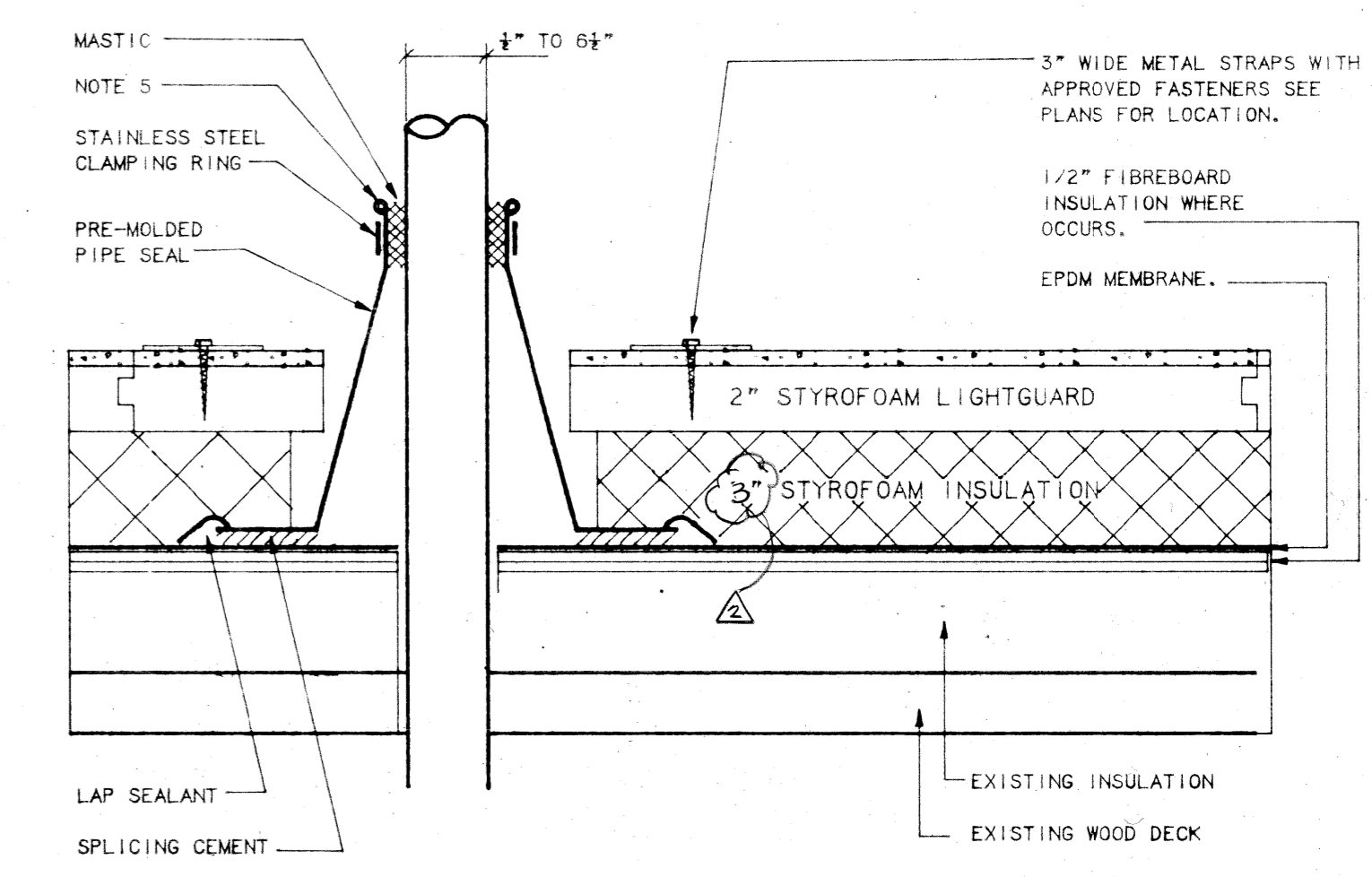
1. REMOVE ALL LEAD AND OTHER FLASHING
2. PRE-MOLDED PIPE SEAL CAN NOT BE CUT VERTICALLY TO BE INSTALLED
3. DECK FLASHING CAN NOT BE TRIMMED
4. WHEN PRE-FABRICATED PIPE SEAL CAN NOT BE INSTALLED, USE FIELD-FABRICATED PIPE SEAL, SEE U-144A, ALTERNATE PIPE FLASHING
5. PRE-MOLDED PIPE SEAL MUST HAVE INTACT RIB AT TOP EDGE, REGARDLESS OF PIPE DIAMETER

NOTE:  
ALL NAILERS SHALL BE CORROSION  
RESISTANT SUCH AS HILTI NYLON  
NAIL-IT 18" X 14" ANGLE

VENT PIPE FLASHING DETAIL  
SCALE: 3" = 1'-0"

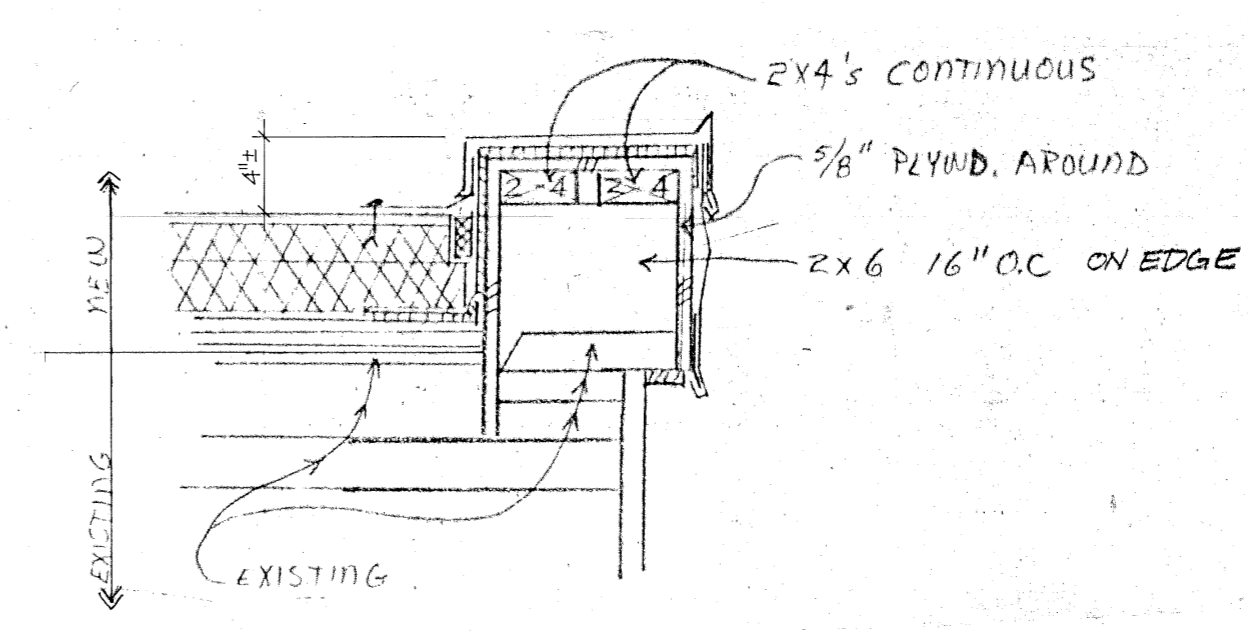


LADDER DETAIL  
AT ROOF HATCH  
SCALE: 3" = 1'-0"



NOTE: AT CAMPBELL THIS 2x WAS DELETED SINCE METAL SIDING WAS NOTCHED FOR DIRECT CONNECTION OF LADDER TO STEEL SUPPORT GIRTS

NOTE: AT CAMPBELL THIS WAS TORN OFF & REPLACED W/ 1.4" 190 BOARD (RIGID INSUL)



LIBRARY PARAPET  
1/2" = 1'-0"

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By: *[Signature]* Date: 4-28-87

ANCHORAGE SCHOOL DISTRICT  
1301 LABAR  
ANCHORAGE ALASKA 99515

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Architecture Engineering Land Surveying Planning  
2515 'A' Street Anchorage, Alaska 99503  
601 Hughes Avenue, Suite 202 Fairbanks, Alaska 99701  
(907) 276-4245 (907) 452-2128

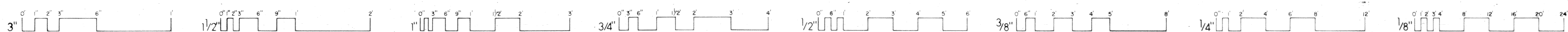
Project  
CAMPBELL ELEMENTARY  
RABBIT CREEK ELEMENTARY  
DATA PROCESSING CENTER

Date	Revision	By	Project Manager
5-1-86	ADDN #1	JWH	JWH
5-1-86	ADDN #2	JWH	JWH
5-8-87	RECCD DNG	JWH	JWH

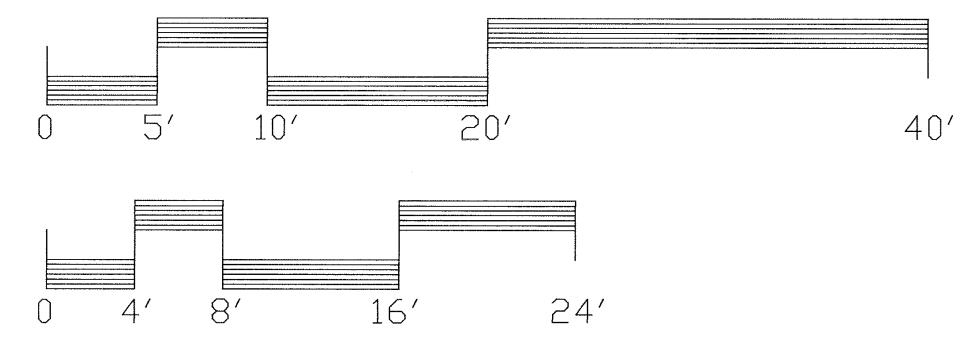
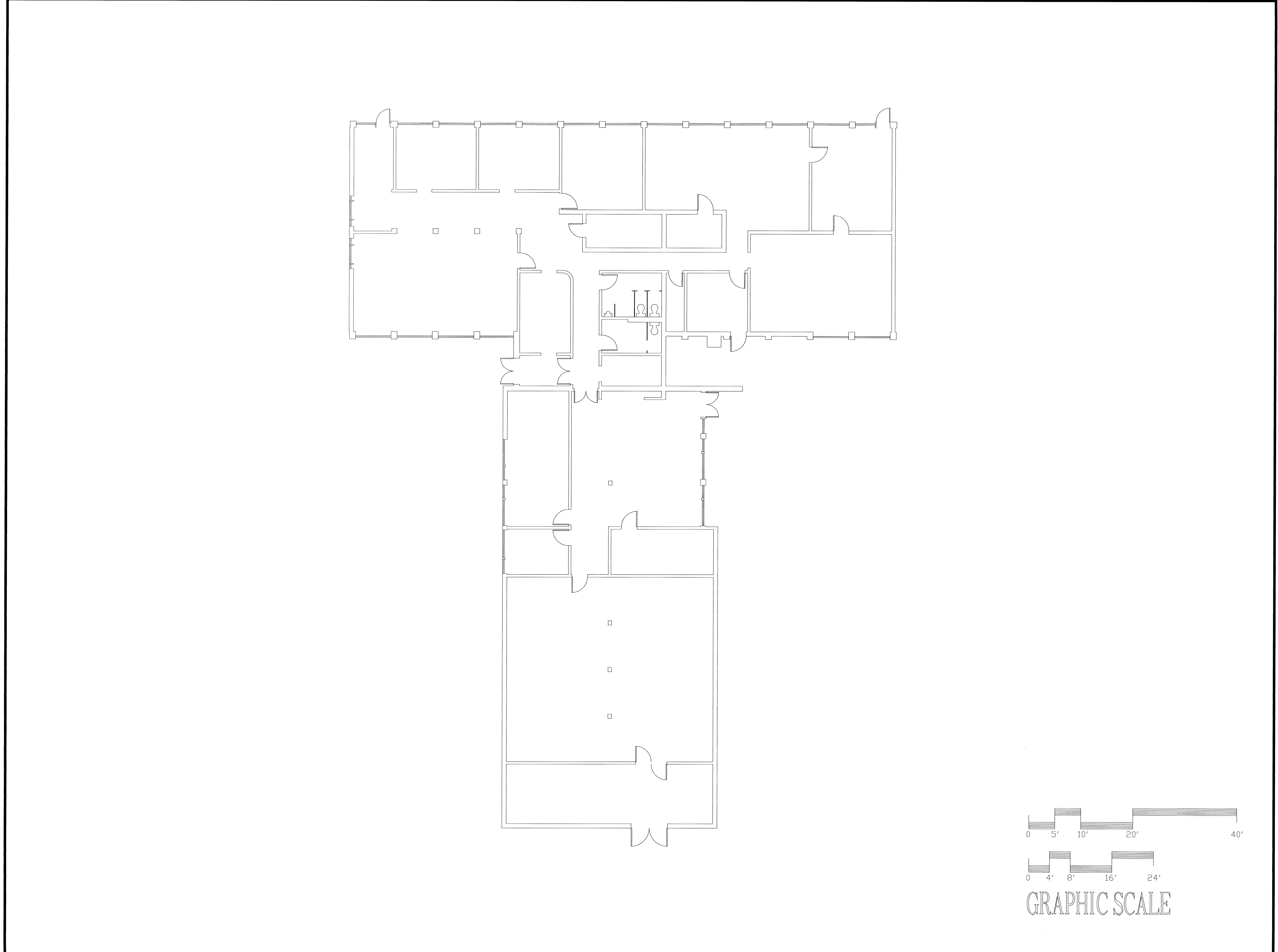
Sheet Contents  
**ROOF DETAILS**

Sheet No.  
**A-8**

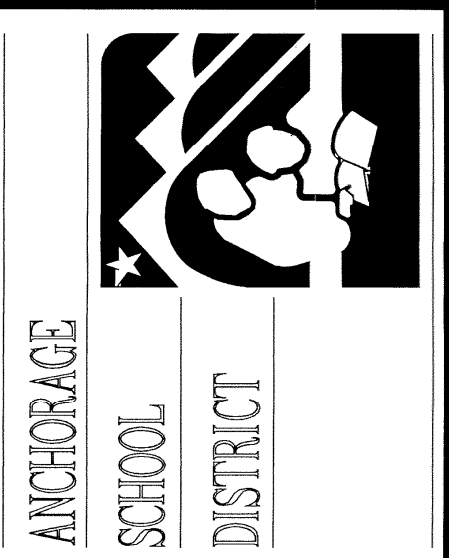
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GRAPHIC SCALE



ANCHORAGE  
SCHOOL  
DISTRICT

PROJECT TITLE:

**DATA PROCESSING**  
1602 HILLCREST DRIVE  
ANCHORAGE, ALASKA 99517

DESIGN CONSULTANT:

**Chugach Computer Technologies, Inc.**  
4201 TUDOR CENTRE, SUITE #220  
ANCHORAGE, ALASKA 99508  
PHONE: (907) 561-3143  
FAX: (907) 562-0584  
E-MAIL: ccti@chugach-ak.com

DRAWN: T. JARONIK  
CHECKED: S. WILSON  
DATE: 05/08/97  
REVISIONS: -

CADD FILE: 39-1

SHEET TITLE:

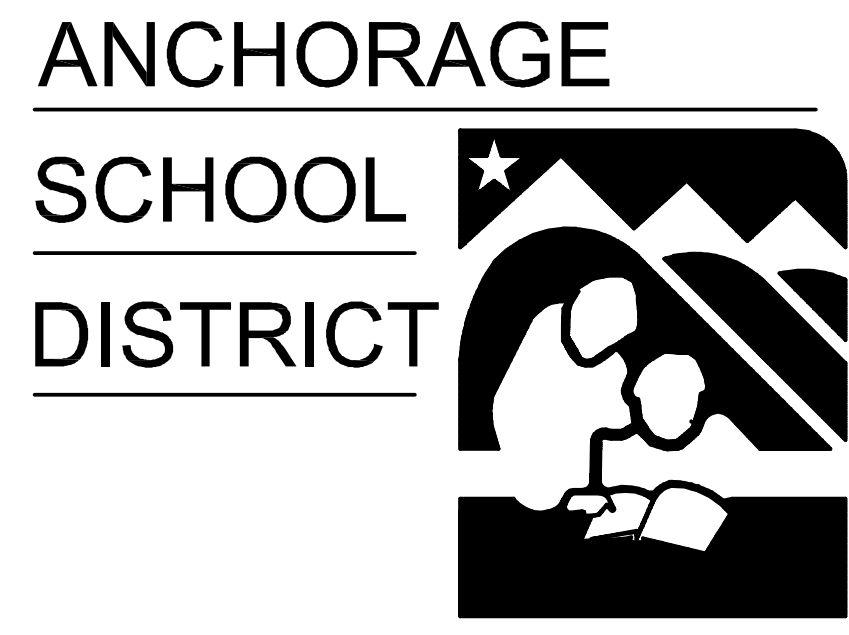
FLOOR PLAN

SHEET NO.

1 OF 1

# ASD DATA CENTER UPS REPLACEMENT PROJECT 1602 HILLCREST DRIVE ANCHORAGE, ALASKA 99517 ITB#09-063-C

ELECTRICAL SHEET LIST	
T1	TITLE SHEET AND AREA MAP
E1	ELECTRICAL LEGEND AND SCHEDULES
E2	DEMO POWER AND SIGNAL PLAN
E3	NEW POWER AND SIGNAL PLAN
E4	REVISED POWER ONE-LINE DIAGRAM



**OWNER**

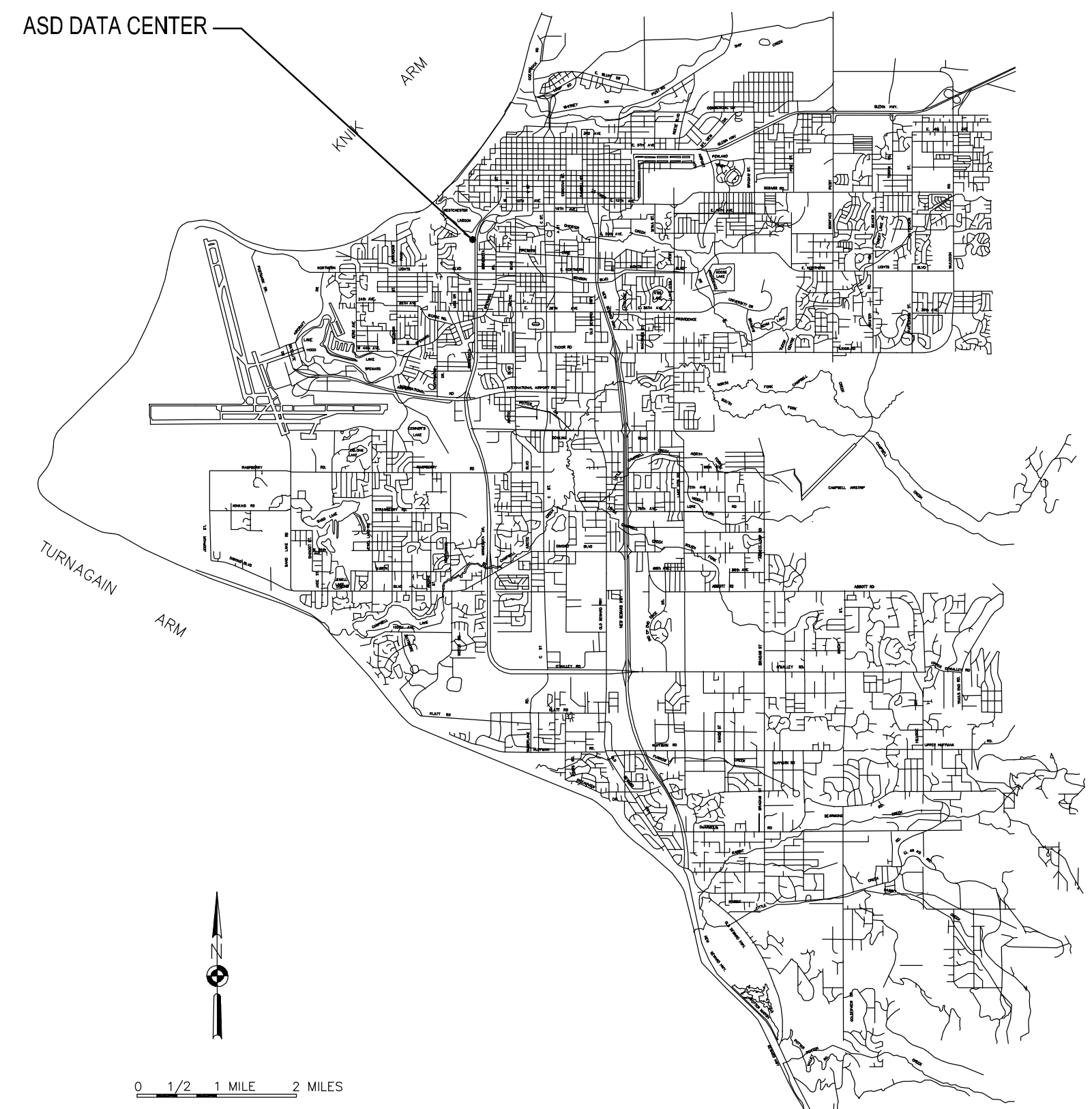
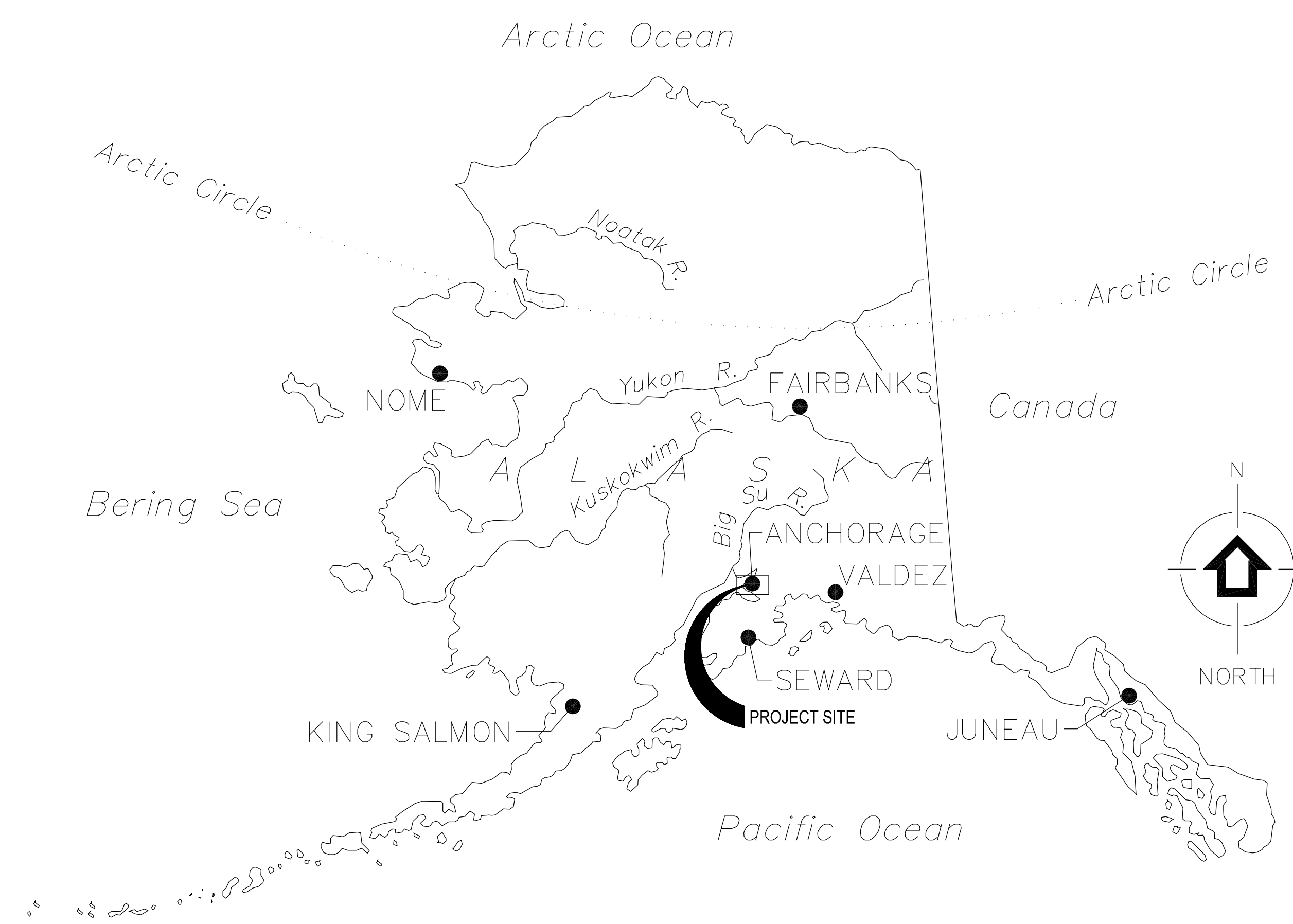
ANCHORAGE SCHOOL DISTRICT  
FACILITIES AND MAINTENANCE DEPARTMENT  
1301 LABAR STREET  
ANCHORAGE, AK 99515-3517  
CHARLIE PETERS, PROJECT MANAGER  
907.348.5202 TEL  
907.348.5227 FAX

**ENGINEER**

EIC CONSULTING ENGINEERS  
6927 OLD SEWARD HWY SUITE 200  
ANCHORAGE, AK 99518  
ERIC COWLING, PRINCIPAL  
907.349.9712 TEL  
907.349.9713 FAX

**AS-BUILT DRAWINGS**

INFORMATION HAS NOT BEEN VERIFIED OR IS CLAIMED TO BE ACCURATE BY THE ENGINEER. ALL WORK IS BASED ON CONTRACTOR PROVIDED RED-LINE DRAWINGS.



**EIC ENGINEERS, INC**  
ELECTRICAL ENGINEERS

6927 OLD SEWARD HWY, SUITE 200  
ANCHORAGE, AK 99518  
P 907.349.9712  
F 907.349.9713  
www.eiceng.com

EIC JOB #E09-1119

**ITB#09-063-C**  
**ASD DATA CENTER**  
**UPS REPLACEMENT PROJECT**  
**1602 HILLCREST DRIVE**  
**ANCHORAGE, ALASKA 99517**

REVISIONS	
JOB NO.	E09-1119
DATE	07/02/09
DRAWN	ENK
REVIEWED	EDC

**TITLE SHEET  
AND AREA MAP**

SHEET NO.  
**T1**

# ELECTRICAL LEGEND

(NOTE: THIS IS A STANDARD LEGEND AND NOT ALL SYMBOLS ARE NECESSARILY USED.)

- PHOTOCELL CONTROL
- LUMINAIRE - TYPE AS NOTED ON PLAN
- LUMINAIRE - WALL MOUNTED: TYPE AS NOTED ON PLAN
- TRACK LIGHTING - TRACK LENGTH AS SCALED; TYPE AS NOTED ON PLAN
- EMERGENCY LIGHTING UNIT (WALL; CEILING; REMOTE HEAD); TYPE "E", UON
- EMERGENCY BATTERY TO POWER REMOTE HEAD(S); TYPE "ERB", UON
- EXIT SIGN (CEILING; WALL); SHADE DENOTES FACE; ARROWS AS INDICATED; TYPE "X", UON
- SWITCH - SINGLE POLE, SINGLE THROW, UON
- SWITCH - THREE WAY
- SWITCH - INTEGRAL MOTOR OVERLOAD
- POWER PANELBOARD ((NEW - SURFACE; RECESSED), [EXISTING - SURFACE; RECESSED])
- TRANSFORMER: APPROX. PHYSICAL SIZE AS SCALED; ACTUAL RATING AS NOTED ON ONE-LINE DIAGRAMS
- MOTOR CONNECTION
- FUSED SAFETY SWITCH
- COMBINATION MOTOR STARTER SAFETY SWITCH
- PUSH BUTTON CONTROL STATION
- JUNCTION BOX OR EQUIPMENT CONNECTION - FLEX OR RECEPTACLE AS REQUIRED (CEILING; WALL; FLOOR)
- POWER CONNECTION TO FSD CONTROLLED BY FIRE ALARM SYSTEM
- THERMOSTAT - WALL MOUNTED
- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE - GFCI PROTECTED
- DUPLEX RECEPTACLE - GFCI PROTECTED MOUNTED +48" AFF
- DUPLEX RECEPTACLE - GFCI PROTECTED MOUNTED ABOVE COUNTERTOP
- DUPLEX RECEPTACLE - MOUNTED ABOVE COUNTERTOP
- DUPLEX RECEPTACLE - FLOOR MOUNTED FIRE RATED POKE THROUGH, UON
- DOUBLE DUPLEX RECEPTACLE - FLOOR MOUNTED FIRE RATED POKE THROUGH, UON
- RECEPTACLE - PENDANT MOUNTED FROM CEILING
- RECEPTACLE - FLUSH MOUNTED IN CEILING
- SPECIAL PURPOSE RECEPTACLE - NEMA CONFIGURATION AS NOTED (SURFACE; WALL)
- TELECOMMUNICATION OUTLET (WALL; FLOOR)
- TELEPHONE OUTLET
- \_\_\_\_ LINETYPE/LINEWEIGHT DENOTING EXISTING WORK TO REMAIN
- \_\_\_\_ LINETYPE/LINEWEIGHT DENOTING NEW WORK
- LINETYPE/LINEWEIGHT DENOTING DEMO WORK
- DENOTES AVAILABLE FAULT CURRENT

## EQUIPMENT TAG LEGEND

- LUMINAIRES**
  - LUMINAIRE TYPE (UNDERLINED)
  - THE NUMBER IN BRACKETS INDICATES HOW MANY TYPICAL LUMINAIRES OF THIS TYPE ARE IN THIS AREA
  - CIRCUIT AND SWITCH/LEG
  - PANEL
  - TYPICAL LUMINAIRE
- CONTROL SWITCHES**
  - LOWER CASE LETTER DENOTES SWITCH LEG FOR CORRESPONDING LUMINAIRE CONTROL
  - UPPERCASE LETTER OR NUMBER DENOTES SWITCH CONFIGURATION
- EQUIPMENT CONNECTIONS**
  - EQUIPMENT ID (UNDERLINED)
  - REFER TO EQUIPMENT CONNECTION SCHEDULE FOR REQUIREMENTS
  - TYPICAL EQUIPMENT (MOTOR STARTER SHOWN)
  - CIRCUIT NUMBER(S)
  - PANEL
- RECEPTACLES**
  - MOUNTING HEIGHT AFF
  - PANEL
  - CIRCUIT NUMBER(S)
  - NEMA CONFIGURATION FOR SPECIAL RECEPTACLES (UNDERLINED)

# GENERAL REQUIREMENTS

- ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, STATE, MUNICIPAL, AND FEDERAL LAWS, AMENDMENTS AND/OR ORDINANCES GOVERNING THE PROJECT. IF IN ANY INSTANCE THE PLANS AND SPECIFICATIONS ARE IN DIRECT CONFLICT WITH SUCH CODES, LAWS, AND/OR ORDINANCES, THE CODE, LAWS, AND/OR ORDINANCES SHALL HAVE JURISDICTION AND THE WORK IN QUESTION SHALL BE INSTALLED ACCORDING TO THE CODES, LAWS, AND/OR ORDINANCES. ALL WORK SHALL BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED ELECTRICIAN.
- THE OWNER SHALL PAY FOR THE BUILDING PERMIT PER SECTION 0070, ARTICLES 3 AND 4. THE CONTRACTOR SHALL OBTAIN AND POST ALL REQUIRED CONSTRUCTION PERMITS.
- MATERIALS AND EQUIPMENT SHALL BE COMMERCIAL GRADE AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION AS SUITABLE FOR THE USE INTENDED. ALL ELECTRICAL EQUIPMENT SHALL INCLUDE THE SEAL OF A NATIONALLY RECOGNIZED TESTING LABORATORY FOR THE PURPOSE FOR WHICH IT IS INSTALLED. WHENEVER POSSIBLE, SIMILAR ITEMS SHALL BE SUPPLIED BY THE SAME MANUFACTURER THROUGHOUT THE PROJECT.
- COORDINATE AND PROVIDE THE EQUIPMENT WITH THE SHORT CIRCUIT CURRENT RATING (SCCR) FOR THE AVAILABLE FAULT CURRENT AT THE POINT OF THE SYSTEM WHERE INSTALLED. ALL SERIES RATING OF EQUIPMENT IS ACCEPTABLE. PROVIDE ARC FAULT WARNING LABELS ON ALL PANELBOARDS, MCC UNITS AND SIMILAR EQUIPMENT PER NEC REQUIREMENTS.
- THE FOLLOWING WIRING METHODS SHALL BE ACCEPTABLE FOR INSTALLATION OF ELECTRICAL CIRCUITS: TYPE MC CABLE, INTERMEDIATE METAL CONDUIT, RIGID METAL CONDUIT, RIGID NONMETALLIC CONDUIT (FOR UNDERGROUND USE ONLY), ELECTRICAL METALLIC TUBING, FLEXIBLE METALLIC TUBING, FLEXIBLE METAL CONDUIT, AND LIQUID TIGHT FLEXIBLE CONDUIT. ALL WIRING METHODS SHALL INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR TO BE INSTALLED THEREIN AND SIZED FOR THE CIRCUITS SERVED.
- ALL CONDUCTORS SHALL BE COPPER. ALL CONDUCTORS IN UNHEATED SPACES OF THE BUILDING OR LOCATED OUTSIDE OF THE BUILDING ARE REQUIRED TO HAVE TYPE XHHW 90 DEGREE C INSULATION. ALL CONDUCTORS LOCATED IN HEATED SPACES CAN BE XHHW OR THHN 90 DEGREE C INSULATION UNLESS NOTED OTHERWISE. CONDUCTOR AMPACITY SHALL BE BASED ON TABLE 310-16 OF THE NEC. USE 60-DEGREE C RATING FOR CIRCUITS TERMINATING ON DEVICES RATED BELOW 100A. USE 75-DEGREE C RATING FOR CIRCUITS TERMINATING ON DEVICES AND IN ENCLOSURES RATED 100A AND OVER. DERATE CONDUCTORS PER NEC REQUIREMENTS.
- CONCEAL ALL ELECTRICAL RACEWAYS, BOXES, CABLING, CONDUCTORS AND THE LIKE IN WALLS, BELOW FLOORS, SLABS OR ABOVE FINISHED CEILING SPACES. ELECTRICAL EQUIPMENT AND WIRING CAN BE EXPOSED IN MECHANICAL ROOMS, TELECOMMUNICATION ROOMS OR WHERE SPECIFICALLY NOTED.
- DO NOT ROUTE RACEWAYS ON THE EXTERIOR SURFACE OF THE BUILDING OR THE ROOF UNLESS SPECIFICALLY NOTED OTHERWISE.
- PROVIDE ALL WIRING AND EQUIPMENT IN WET AND EXTERIOR LOCATIONS USING EQUIPMENT AND WIRING METHODS RATED FOR WET ENVIRONMENTS.
- ALL CABLING LOCATED IN CEILING SPACES THAT ARE PLENUMS SHALL BE PLENUM RATED.
- PROVIDE ACCESS PANELS FOR ALL LOCATION NECESSARY TO ACCESS ELECTRICAL EQUIPMENT AND JUNCTION BOXES. ACCESS PANELS SHALL BE FIRE RATED EQUAL TO OR EXCEEDING THE ADJACENT WALL OR CEILING CONSTRUCTION AND PAINTED TO MATCH.
- SEAL ALL PENETRATIONS. SEAL PENETRATIONS AT ALL FIRE WALLS WITH APPROVED FIRE STOPPING COMPOUND.
- CONTRACTOR SHALL SUBMIT REQUEST FOR SUBSTITUTION REQUEST FOR SUBSTITUTION FORM PER SECTION 01630 FOR ALL SUBSTITUTIONS.
- PROVIDE SEISMIC SUPPORT AND DESIGN PER IBC REQUIREMENTS.
- EXISTING/REMODEL INSTALLATIONS: ALL NEW WORK SHALL BE INSTALLED USING SURFACE MOUNTED RACEWAY AND BOXES SUCH AS WIREMOLD 2000 FOR SINGLE CHANNEL AND 4000 FOR DUAL CHANNEL TO MINIMIZE DISTURBANCE OF EXISTING WALLS. COORDINATE ALL WITH SECTION 00230.
- DEMOLISH ALL ABANDONED WIRING FROM RACEWAYS BACK TO SOURCE PANELBOARD. UPDATE ALL PANEL SCHEDULES TO REFLECT CURRENT CIRCUIT DESCRIPTIONS WHERE WORK OCCURS.
- DEMOLISH ALL EXISTING LOW VOLTAGE CABLING BACK TO SOURCE SHOWN TO BE DEMOLISHED, REPLACED OR ARE CURRENTLY ABANDONED IN PLACE.

### MOUNTING HEIGHT SCHEDULE

PANELBOARDS (TOP)	+70"
SPECIAL SYSTEM PANELS (TOP)	+66"
POWER METER BASE (CENTER LINE OF SOCKET)	+66"
CONTACTORS, MOTOR STARTERS, DISCONNECT SWITCHES (TOP)	+66"
RECEPTACLES IN OFFICE AREAS	+18"
RECEPTACLES IN NON-FINISHED AND MECHANICAL SPACES	+46"
ABOVE COUNTER DEVICES (DENOTED "AC" OR BY SYMBOL)	SEE NOTES
WALL MOUNTED SWITCHES	+46"
TELECOMMUNICATION OUTLETS	+18"
WALL MOUNTED TELEPHONE OUTLET (DENOTED "W")	+54"
CLOCK OUTLETS	+80" TO BOTTOM
HORNS/STROBES/HORN STROBES/DOORBELL RINGER	+80" TO BOTTOM
PULL STATIONS, PUSH BUTTONS, DOORBELL PUSHBUTTON	+46"

**NOTES:**

- COORDINATE AND INSTALL ALL EQUIPMENT AND DEVICES WITH THE ARCHITECTURAL PLANS AND ANY SPECIFICALLY DENOTED REQUIREMENTS.
- MOUNTED HEIGHTS SHALL PREVAIL UNLESS OTHERWISE NOTED OR FIELD CONDITIONS REQUIRE DEVIATION.
- MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE UNLESS OTHERWISE NOTED.
- COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS DENOTED AS ABOVE COUNTER TO BE INSTALLED 6" ABOVE COUNTERS OR BACKSPASHES, WHICHEVER IS HIGHER.

### ABBREVIATIONS

(E)	EXISTING
A	AMPERES
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CAPACITY
C	CONDUIT
CAT	CATEGORY
CB	CIRCUIT BREAKER
CO	CONDUIT ONLY
CT	CURRENT TRANSFORMER
EGC	EQUIPMENT GROUNDING CONDUCTOR
F	FRACTIONAL
FACP	FIRE ALARM CONTROL PANEL
FHP	FRACTIONAL HORSEPOWER
FLA	FULL LOAD AMPS
FSD	FIRE SMOKE DAMPER
FT	FEET
FU	FUSE
G	GROUND FAULT CIRCUIT INTERRUPTER
GEC	GROUNDING ELECTRODE CONDUCTOR
HP	HORSEPOWER
ID	IDENTIFICATION
IN	INCHES
KW	KILOWATT
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPACITY
MDP	MAIN DISTRIBUTION PANEL
(N)	NEW
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
P	POLES
PH, ϕ	PHASE
REC	RECEPTACLE
SCA	SHORT CIRCUIT AMPS
SCCR	SHORT CIRCUIT CURRENT RATING
SE	SERVICE ENTRANCE RATED
TELECOM	TELECOMMUNICATION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPERES
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS OR WIRE
WG	WIRE GUARD
WP	WEATHERPROOF (NEMA 4 RATED)

# SCOPE OF WORK:

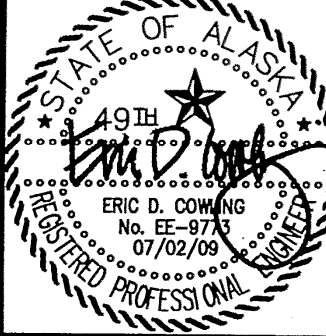
DEMOLISH EXISTING 80KVA 480V, 3 PHASE UPS AND REPLACE WITH NEW 80KVA 480V, 3 PHASE UPS IN EXISTING UPS ROOM. THE EXISTING LOAD ON THE 80 KVA UPS IS 39.7 KVA, NO NEW LOAD IS BEING ADDED TO THE BUILDING ELECTRICAL SYSTEM. EXISTING FEEDER CONDUCTORS MUST BE EXTENDED TO NEW UPS TERMINATION POINTS. NO CHANGES TO FIRE SUPPRESSION, HVAC OR OTHER EQUIPMENT IS REQUIRED.

# CODE STUDY:

REMOVAL AND REPLACEMENT OF EXISTING EQUIPMENT PER INTERNATIONAL EXISTING BUILDING CODE (IEBC) 2006 LEVEL 1 RENOVATION. ALL ELECTRICAL WORK TO BE COMPLETED PER NEC 2008.

### NOTIFICATION OF POTENTIAL HAZARDS

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINATES, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL; AND DIVISION 13 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING, AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



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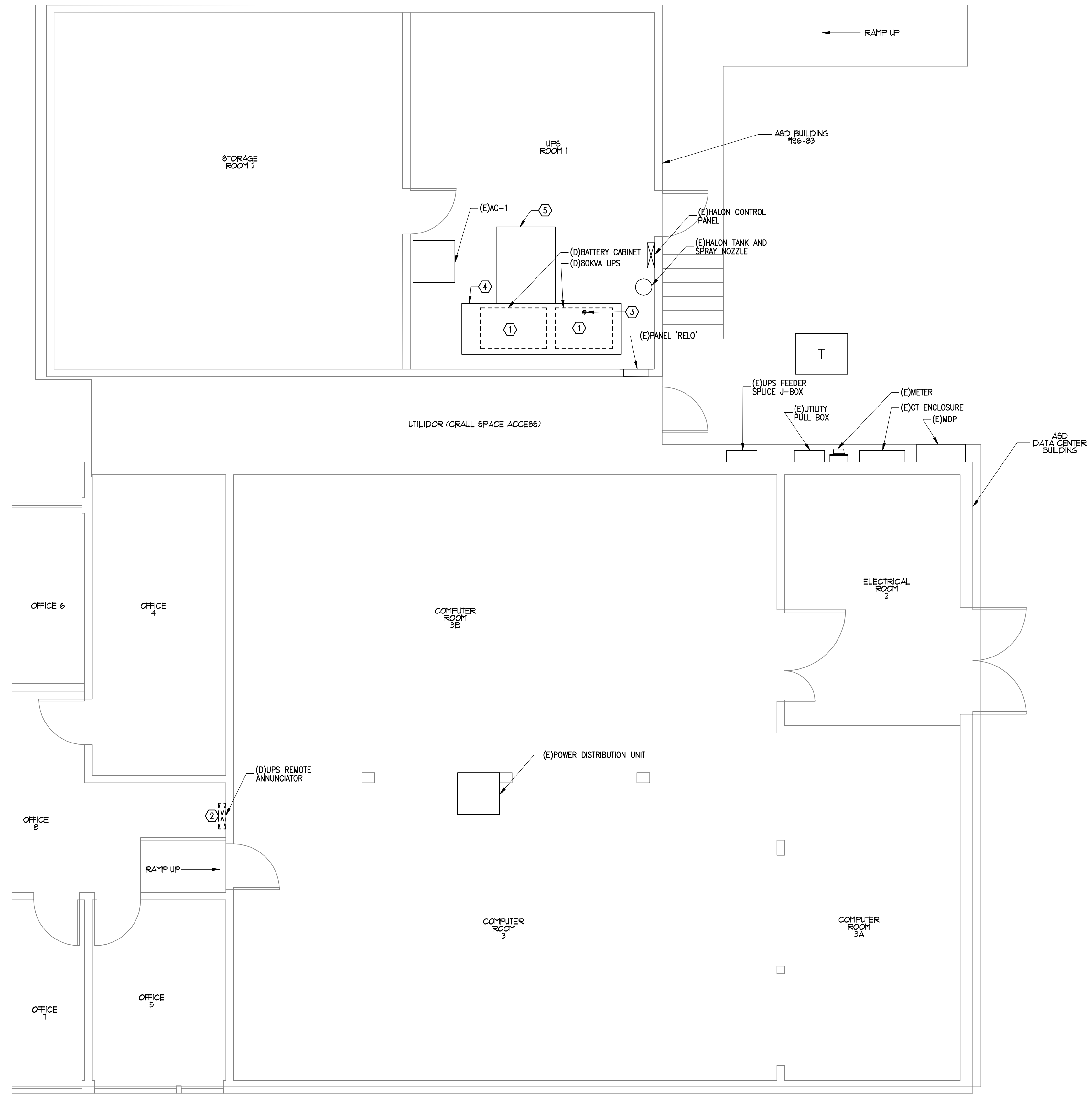
ITB#09-063-C  
**ASD DATA CENTER  
UPS REPLACEMENT PROJECT**  
1602 HILLCREST DRIVE  
ANCHORAGE, ALASKA 99517

REVISIONS

JOB NO.	E09-1119
DATE	07/02/09
DRAWN	ENK
REVIEWED	EDC

**ELECTRICAL  
LEGEND AND  
SCHEDULES**

SHEET NO.  
**E1**



**SHEET NOTES**

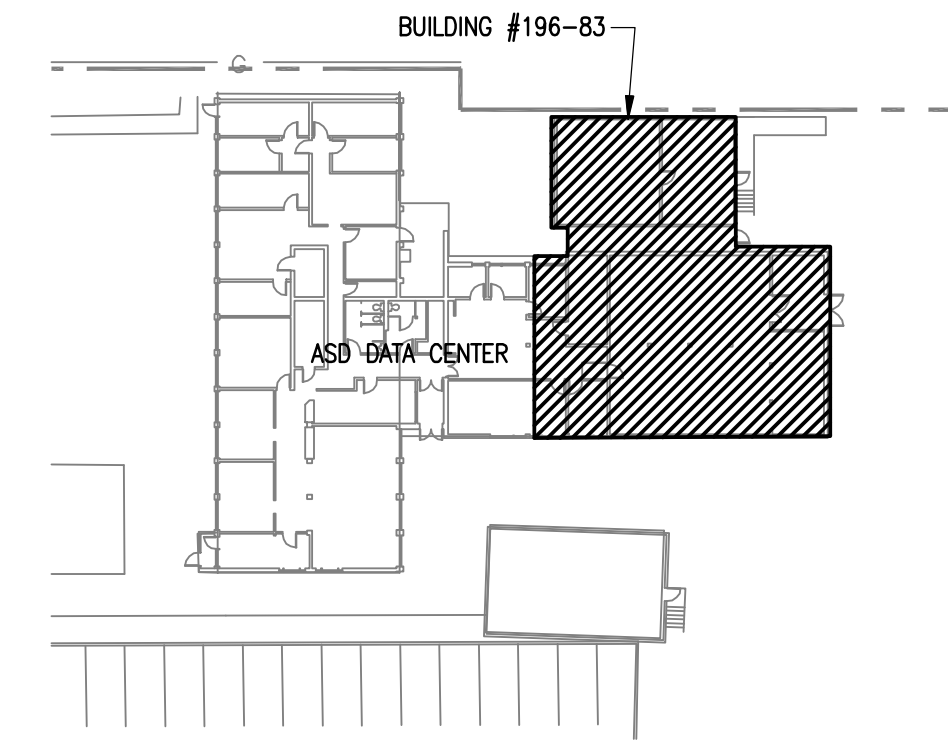
- ① DEMOLISH EXISTING UPS RECTIFIER CABINET AND UPS BATTERY CABINET. SALVAGE EXISTING LOAD SIDE AND SUPPLY SIDE CONDUCTORS AND CONDUIT THAT STUB INTO BOTTOM OF THE DEMOLISHED UPS FROM CRAWLSPACE BELOW. SALVAGED CONDUCTORS AND CONDUIT TO BE EXTENDED AS REQUIRED FOR INSTALLATION OF NEW UPS. SEE NEW POWER PLAN ON SHEET E3 AND REVISED POWER ONE-LINE DIAGRAM ON SHEET E4 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT REQUIRED TO REMOVE EXISTING UPS WITHOUT DAMAGING EXISTING FLOORING, FLOOR STRUCTURE AND PORCH.
- ② DEMOLISH EXISTING WALL MOUNTED UPS REMOTE ANNUNCIATOR AND ASSOCIATED CONDUCTORS. EXISTING 1/2" CONDUIT ROUTED FROM THE 80KVA UPS TO THE REMOTE ANNUNCIATOR MAY BE REUSED FOR INSTALLATION OF NEW UPS REMOTE ANNUNCIATOR.
- ③ ENTRY LOCATION OF THE EXISTING UPS SUPPLY, LOAD, AND REMOTE ANNUNCIATORS CONDUCTORS INTO BOTTOM OF EXISTING UPS CABINET. THE EXISTING UPS SUPPLY AND LOAD CONDUCTORS EXTEND ABOUT 12 INCHES AFF.
- ④ EXISTING 1"x40"x125" PLYWOOD SHALL REMAIN ATTACHED TO FLOOR TO SUPPORT NEW UPS.
- ⑤ EXISTING 1"x42.5"x60" PLYWOOD IN FRONT OF EXISTING UPS SHALL REMAIN ATTACHED TO FLOOR.

**AS-BUILT DRAWINGS**

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**KEY PLAN**

**1 DEMO POWER AND SIGNAL PLAN**  
E2 SCALE: 1/4" = 1'-0"



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EIC JOB #E09-1119

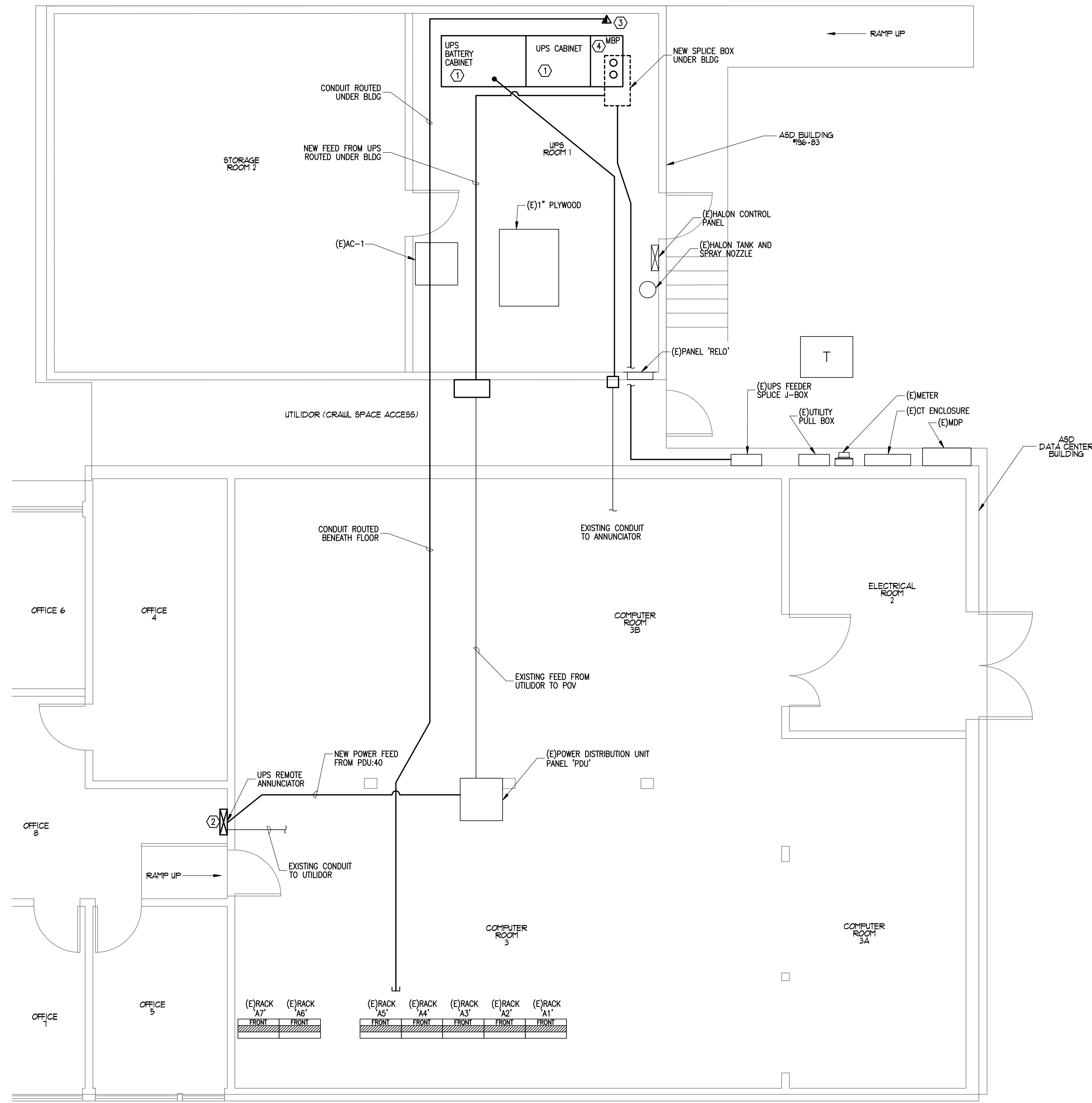
**ITB#09-063-C**  
**ASD DATA CENTER**  
**UPS REPLACEMENT PROJECT**  
**1602 HILLCREST DRIVE**  
**ANCHORAGE, ALASKA 99517**

**REVISIONS**

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**DEMO POWER AND SIGNAL PLAN**

**SHEET NO.**  
**E2**



**SHEET NOTES**

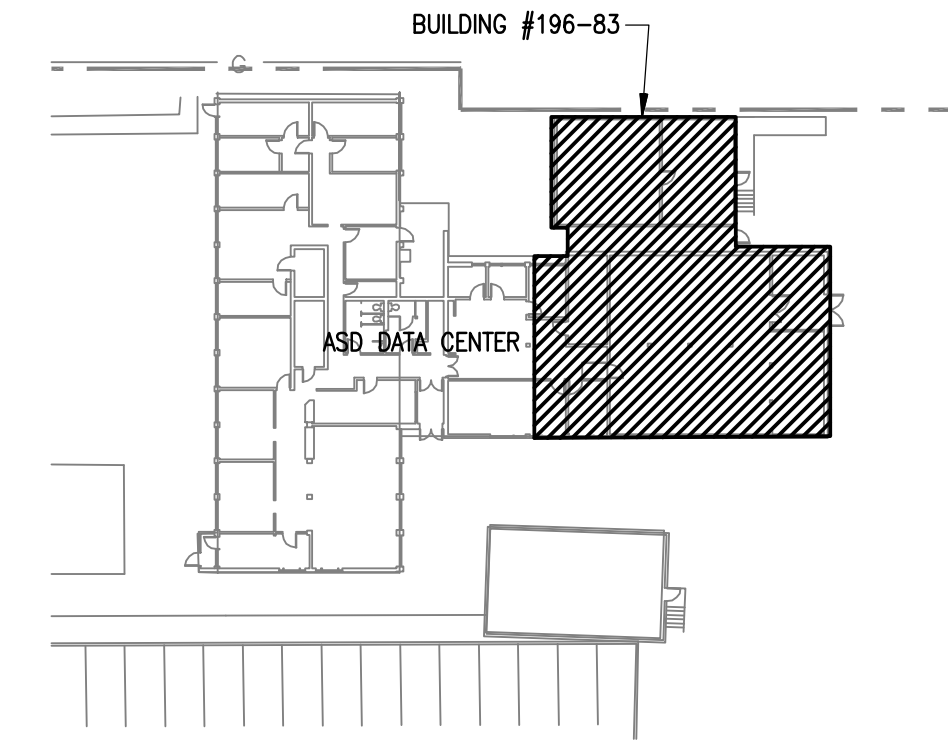
- ① PROVIDE NEW FLOOR MOUNTED 80KVA UPS AND BATTERY CABINET PER SPECIFICATIONS 01010 AND 16262. PROVIDE ZONE 4 SEISMIC BRACING FOR ALL NEW UPS CABINETS. PATCH AND REPAIR FLOOR AND WALL FINISHES EXPOSED OR DISTURBED BY THIS PROJECT TO MATCH EXISTING ADJACENT SURFACES.
- ② PROVIDE NEW SURFACE MOUNTED UPS REMOTE ANNUNCIATOR ON EXISTING WALL REUSE EXISTING 1/2" CONDUIT ROUTED FROM DEMOLISHED UPS LOCATION INTO CRAWL SPACE BELOW RELO BUILDING, ACROSS UTILIDOR, UNDER ELEVATED FLOOR SYSTEM IN ROOM 3B, AND SURFACE MOUNTED ON WALL BELOW EXISTING UPS REMOTE ANNUNCIATOR. PROVIDE CONDUCTORS PER MANUFACTURER RECOMMENDATIONS. PATCH AND REPAIR EXISTING GWB WALL TO MATCH ADJACENT FINISHES WHERE EXISTING REMOTE ANNUNCIATOR WAS REMOVED.
- ③ PROVIDE NEW SURFACE MOUNTED DATA OUTLET WITH (2) DATA PORTS ROUTED TO OPEN PATCH PANEL PORTS IN RACK 'A5' LOCATED IN COMPUTER ROOM #3. USE SURFACE MOUNTED RACEWAY IN UPS ROOM, RIGID CONDUIT IN UTILIDOR AND CRAWLSPACE, AND ROUTE UNDER EXISTING ELEVATOR FLOOR SYSTEM IN COMPUTER ROOM #3. COORDINATE CONNECTION TO EXISTING TELECOM PATCH PANEL AND CROSS CONNECT WITH ASD PROJECT MANAGER.
- ④ PROVIDE 150 AMP WALL MOUNTED UPS MAINTENANCE BYPASS PANEL AND EXTEND EXISTING CONDUIT AND CONDUCTORS AS REQUIRED PER REVISED POWER ONE-LINE DIAGRAM ON SHEET E4.

**AS-BUILT DRAWINGS**

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**KEY PLAN**

**1 NEW POWER AND SIGNAL PLAN**  
E3 SCALE: 1/4" = 1'-0"



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**NEW POWER AND SIGNAL PLAN**

SHEET NO.  
**E3**

# AS-BUILT DRAWINGS

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### EQUIPMENT SCCR SCHEDULE

ALL EQUIPMENT TO HAVE SCCR EXCEEDING THE AVAILABLE SCA AT THE CALCULATED X/R RATIO. WHERE X/R RATIO IS GREATER THAN THE INDUSTRY STANDARD TEXT X/R RATIOS THE APPROPRIATE MULTIPLICATION FACTOR SHALL BE APPLIED TO PROPERLY RATE THE EQUIPMENT.

DOWNSTREAM EQUIPMENT AND CIRCUIT BREAKER RATINGS MAY BE SATISFIED BY USING FULLY RATED EQUIPMENT OR UL-LISTED SERIES RATED CIRCUIT BREAKERS RATED FOR THE AVAILABLE SCA AT EQUIPMENT. SERIES RATED EQUIPMENT MOTOR LOADS CANNOT EXCEED 1% OF AIC RATING PER NEC 240.86(C).

EQUIPMENT ID	SCAmps	X/R
(E) MDP	25,088	3.06
80 KVA UPS	21,832	2.35
(E) PANEL 'PDU'	19,543	1.91

### ASSUMED UTILITY SYSTEM CONFIGURATION

TRANSFORMER  
300 KVA; 1.4 %Z; 3.21 X/R  
SCA(PRI.): INFINITE SCA(SEC.): 25,772

CONDUCTORS (TRANSFORMER SECONDARY)  
PER PHASE  
CU Multi, 2 EA., #350, 15 FT. RACEWAY = NON-METAL

CONTRACTOR TO VERIFY ACTUAL EQUIPMENT TO BE PROVIDED WITH SERVING UTILITY PRIOR TO EQUIPMENT PROCUREMENT. ANY DECREASE OF TRANSFORMER %Z, CONDUCTOR LENGTHS, OR INCREASE IN TRANSFORMER KVA OR CABLE SIZES TO BE REPORTED TO OWNER REPRESENTATIVE.

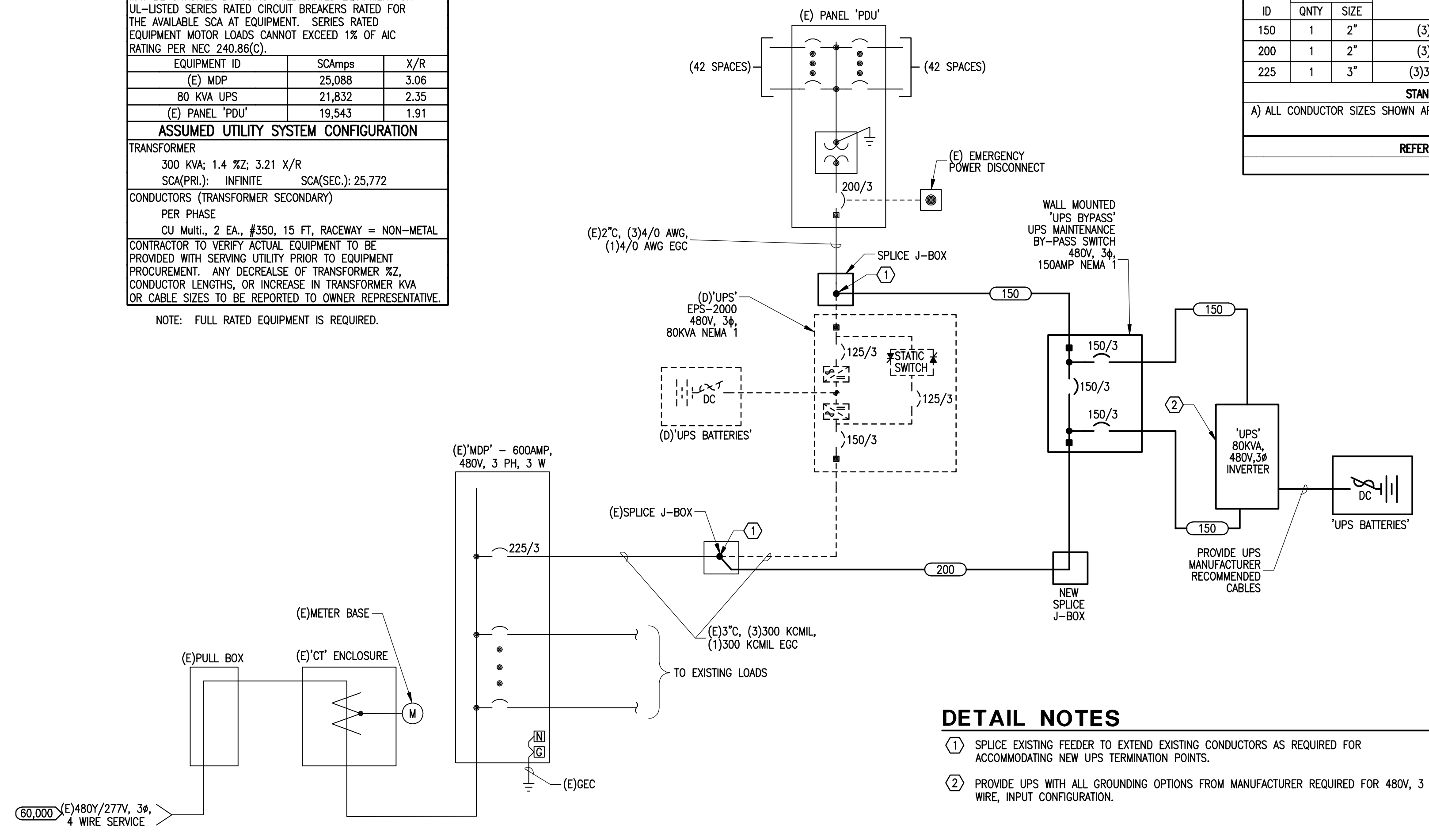
NOTE: FULL RATED EQUIPMENT IS REQUIRED.

### FEEDER SCHEDULE

FEEDER	RACEWAY		CONDUCTORS	NOTES
	ID	SIZE		
150	1	2"	(3)2/0 AWG, (1)2/0 AWG EGC	
200	1	2"	(3)4/0 AWG, (1)4/0 AWG EGC	
225	1	3"	(3)300 KCMIL, (1)300 KCMIL EGC	

**STANDARD NOTES**  
A) ALL CONDUCTOR SIZES SHOWN ARE COPPER.

**REFERENCED NOTES**



- DETAIL NOTES**
- ① SPLICE EXISTING FEEDER TO EXTEND EXISTING CONDUCTORS AS REQUIRED FOR ACCOMMODATING NEW UPS TERMINATION POINTS.
  - ② PROVIDE UPS WITH ALL GROUNDING OPTIONS FROM MANUFACTURER REQUIRED FOR 480V, 3 WIRE, INPUT CONFIGURATION.

**1 REVISED POWER ONE-LINE DIAGRAM**  
E4 SCALE: NONE

**NOTIFICATION OF POTENTIAL HAZARDS**

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**REVISED POWER ONE-LINE DIAGRAM**

SHEET NO.  
**E4**

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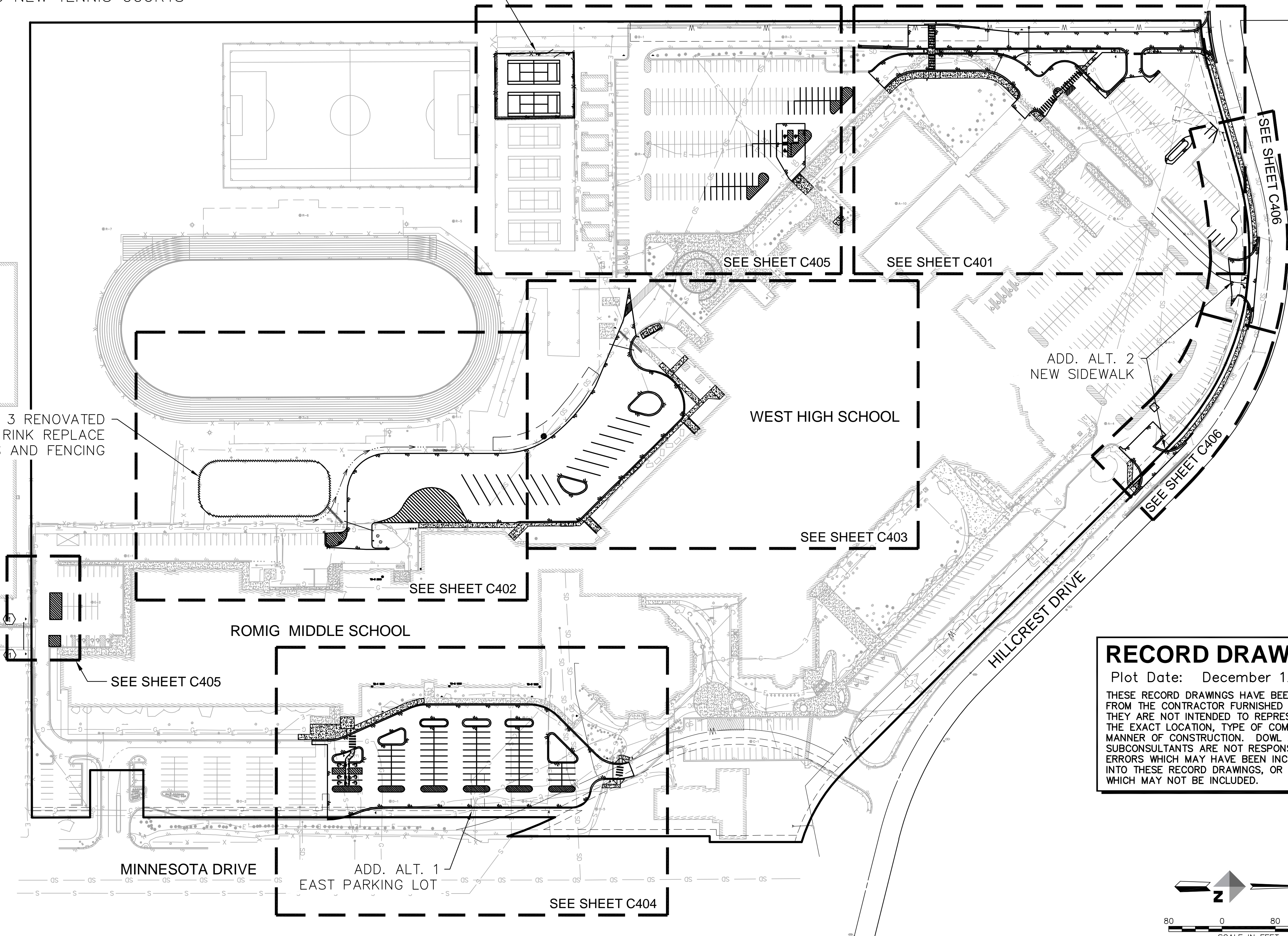
ADDITIVE ALTERNATES  
ADD. ALT. 1 - EAST PARKING LOT AT ROMIG  
ADD. ALT. 2 - SIDEWALK ALONG HILLCREST  
ADD. ALT. 3 - HOCKEY RINK RENOVATION  
ADD. ALT. 4 - TWO NEW TENNIS COURTS

ADD. ALT. 4 NEW TENNIS COURTS

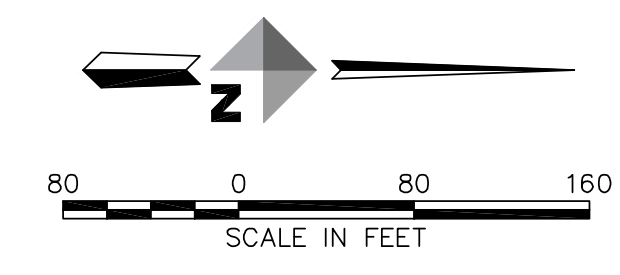
ADD. ALT. 3 RENOVATED HOCKEY RINK REPLACE BOARDS AND FENCING

ADD. ALT. 2 NEW SIDEWALK

ADD. ALT. 1 EAST PARKING LOT



**RECORD DRAWINGS**  
Plot Date: December 12, 2016  
THESE RECORD DRAWINGS HAVE BEEN PREPARED FROM THE CONTRACTOR FURNISHED INFORMATION. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. DOWL AND THEIR SUBCONSULTANTS ARE NOT RESPONSIBLE FOR ANY ERRORS WHICH MAY HAVE BEEN INCORPORATED INTO THESE RECORD DRAWINGS, OR INFORMATION WHICH MAY NOT BE INCLUDED.



**RECORD DRAWINGS**

**KUMIN ASSOCIATES, INC**  
architects | planners | interior designers  
Anchorage, AK 99501  
907.272.8833  
907.272.7733  
DOWL RECORD ARCHITECTS  
401 E Street  
Anchorage, AK 99501

**West High School / Romig Middle School  
Campus Site Renewal**  
1700 Hillcrest Drive  
Anchorage, AK 99517  
Anchorage School District  
Project # 999172

No.	Description	Date

Drawn By: ZDR  
Checked By: AA  
Date: 12-12-2016  
Project: Record Drawings  
Title: 21302.03  
Sheet Title: Overall Site Plan

SHEET NO.  
**C400**



West HS Site Plan - Demolition

08/30/2023