Reference Document 1

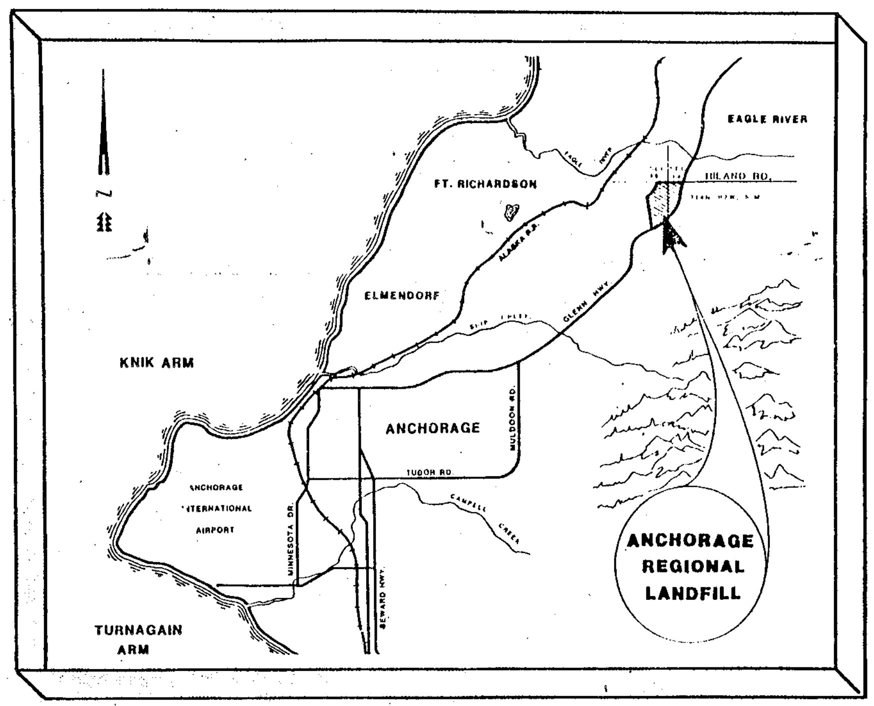
Hazardous Waste Storage Facility
Anchorage Landfill as Built

221-34

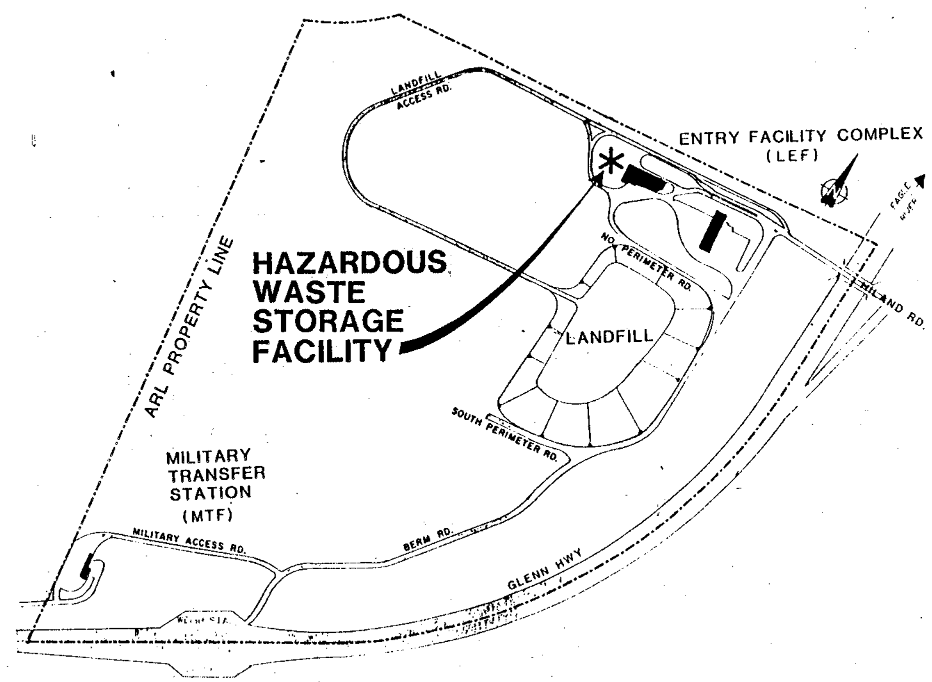
HAZARDOUS WASTE STORAGE FACILITY

ANCHORAGE REGIONAL LANDFILL SITE

ANCHORAGE, ALASKA



LOCATION MAP



PROPERTY MAP

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STATE OF ALASKA 49th FRANKLIN P. KUSHNER No. A7482 REGISTERED PROFESSIONAL ARCHITECT 2/8/88

TITLE SHEET

Scale	AS NOTED
Date	2/5/88
Designer	RLW
Drafter	RLW
Checker	RLW
Approver	KEH

No.	Revisions	By	Date

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 1
File No. A-50885
Project No. 15286

T-1
Drawing No.

DESIGN FILE 221-34

REFERENCE FILES R1=OS :[ ]BORDER.REF (LV=11-20) R2= R3=

WU- PLOT SCALE- PLOT NAME- (FULL SIZE)

WU- PLOT SCALE- PLOT NAME- (FULL SIZE)

221-33

GENERAL LEGENDS

DISCIPLINE DESIGNATION

DISCIPLINE	DISCIPLINE IDENTIFIER	DISCIPLINE STANDARD DETAIL NUMBERS
GENERAL	G	
CIVIL	C	00-99
ELECTRICAL-SITE PLAN	CE	900-999
ARCHITECTURAL	A	100-299
STRUCTURAL	S	300-399
PLUMBING	P	600-699
HVAC	H	700-799
ELECTRICAL	E	900-999

DRAWING NUMBER DESIGNATION

10-S-2

STRUCTURE NO.

DRAWING NUMBER

DISCIPLINE IDENTIFIER

DETAIL AND SECTION DESIGNATION

ON DRAWING WHERE SECTION OR DETAIL IS TAKEN:

ON DRAWING WHERE SECTION OR DETAIL IS SHOWN:

SECTION OR DETAIL DESIGNATION

1

310-H-02

SECTION 1

310-H-01

DRAWING NUMBER(S) WHERE SHOWN

DRAWING NUMBER(S) WHERE TAKEN

DRAWING NUMBER (REPLACE WITH A LINE IF TAKEN AND SHOWN ON SAME SHEET)

STANDARD DETAIL DESIGNATION

ON DRAWING WHERE DETAIL IS TAKEN:

ON DRAWING WHERE DETAIL IS SHOWN:

SEE DETAIL (206)

206

STANDARD DETAIL DESIGNATION

TAG NUMBER DESIGNATION

EQUIPMENT PART OF AN INSTRUMENTATION CONTROL LOOP

D-W-X-Y - SEE PROCESS AND INSTRUMENTATION DIAGRAM LEGEND FOR EXPLANATION

INSTRUMENTATION IDENTIFICATION

FIC W-X-Y-Z — SEE PROCESS AND INSTRUMENTATION DIAGRAM LEGEND FOR EXPLANATION

NOTE:

1) ANY ABBREVIATIONS USED IN THE CONTRACT DRAWINGS BUT NOT INCLUDED IN THE LIST OF ABBREVIATIONS SHOWN ARE TAKEN FROM THE 1976 CONSTRUCTION SPECIFICATIONS INSTITUTE (CSI) ABBREVIATION LISTING PUBLICATION MP-8

2) THE LIST OF SYMBOLS AND ABBREVIATIONS SHOWN IS A STANDARD LIST. NOT ALL SYMBOLS AND ABBREVIATIONS ARE USED IN THESE CONTRACT DRAWINGS.

ARCHITECTURAL AND STRUCTURAL

ABBREVIATIONS

ADDL	ADDITIONAL
AL	ALUMINUM
ALT	ALTERNATE
B/	BOTTOM OF
BLK	BLOCK
BOT	BOTTOM
℄	CENTERLINE
CC	CONSTRUCTION CASTING
CONTR JT	CONTRACTION JOINT
CJT	CONTROL JOINT
CONT	CONTINUOUS
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
DBL	DOUBLE
DWL	DOWEL
DIA	DIAMETER
DWG.	DRAWING
EA	EACH
EXT	EXTERIOR
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXP	EXPANSION
EL	ELEVATION
EXP JT	EXPANSION JOINT
EW	EACH WAY
EF	EACH FACE
FE	FIRE EXTINGUISHER
FTG	FOOTING
FD	FLOOR DRAIN
GA	GAUGE
GALV	GALVANIZED
HORIZ	HORIZONTAL
HP	HIGH POINT
INSUL	INSULATION
INT	INTERIOR
L	LINTEL
LP	LOW POINT
LLV	LONG LEG VERTICAL
LLH	LONG LEG HORIZONTAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
OC	ON CENTER
℘	PLATE
PJF	PREFORMED JOINT FILLER
REINF	REINFORCING
RAD	RADIUS
REQD	REQUIRED
R	RISER
RD	ROOF DRAIN
SP	SPACE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STL	STEEL
SH	SHEET
SQ	SQUARE
T	TREAD
T/	TOP OF
T&B	TOP AND BOTTOM
TYP	TYPICAL
VERT	VERTICAL
WD	WOOD
WS	WATER STOP
W/	WITH

SYMBOLS

- INSULATION:NON-RIGID
- INSULATION RIGID
- INSULATING LIGHTWEIGHT CONCRETE
- SAND OR FILL
- GRAVEL FILL
- ROUGH CARPENTRY (NOMINAL SIZE INDICATED)
- FINISHED WOOD
- ACCOUSTICAL CONCRETE BLOCK
- CONCRETE BLOCK
- FACE BRICK
- PRECAST CONCRETE PLANK
- CAST-IN-PLACE CONCRETE
- EARTH OR BACKFILL
- CUT STONE (LARGE SCALE DETAILS)

17 / 10-AS-1 — ELEVATION NUMBER; SHOWN ON DRAWING NUMBER

L-12 — DENOTES LINTEL OVER LOUVER OR MISC. OPENING; DENOTES LINTEL NUMBER

10 / 101 — BUILDING NUMBER; DOOR NUMBER

F.E. — FIRE EXTINGUISHER

FRANKLIN P. KUSHNER No. A7482 — STATE OF ALASKA 49th — REGISTERED PROFESSIONAL ARCHITECT 2/8/88

GENERAL LEGENDS AND ARCHITECTURAL AND STRUCTURAL ABBREVIATIONS AND SYMBOLS

Scale NONE | Date 2/5/88 | Designer AJB | Drafter VEN | Checker DLS | Approver PJE

No. | Revisions | By | Date

Donohue Engineers & Architects — COMPUTER AIDED DESIGN/DRAFTING

DOWL ENGINEERS

CONTRACT DRAWINGS

HAZARDOUS WASTE STORAGE FACILITY

ANCHORAGE REGIONAL LANDFILL SITE

ANCHORAGE, ALASKA

Sheet No. 2

File No. A-50884

Project No. 15286

Drawing No. G-1

DESIGN FILE 221-33 ABBREV.STU;1

REFERENCE FILES R1=DS :[JBORDER.REF (LV=11-20) R2= R3=

WU- PLOT SCALE- PLOT NAME- (FULL SIZE)

221-32

ABBREVIATIONS

A	AIR
AC	AIR COMPRESSOR
BDD	BACK DRAFT DAMPER
BFP	BACKFLOW PREVENTER
CAL	COMBUSTION AIR LOUVER
CD	CEILING DIFFUSER
CF	CEILING FAN
CUH	CABINET HEATER
CP	CONDENSATE PUMP
DG	DOOR GRILLE
DV	DRAIN VALVE
EAL	EXHAUST AIR LOUVER
EG	EXHAUST GRILLE
EH	EXHAUST HOOD
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
EWC	ELECTRIC WATER COOLER
FCU	FAN COIL UNIT
HRU	HEAT RECOVERY UNIT
HVU	HEATING & VENTILATING UNIT
HWA	HIGH WATER ALARM
HWL	HIGH WATER LEVEL
IH	INTAKE HOOD
LD	LINEAR DIFFUSER
LG	LINEAR GRILLE
LWA	LOW WATER ALARM
LWL	LOW WATER LEVEL
MAU	MAKE-UP AIR UNIT
MB	MOP BASIN
MOD	MOTOR OPERATED DAMPER
OAL	OUTDOOR AIR LOUVER
OP	OIL PUMP
P	PUMP
PRS	PRESSURE REDUCING STATION
RA	RETURN AIR
RG	RETURN GRILLE
RH	RELIEF HOOD
RTU	ROOF TOP UNIT
SD	SMOKE DAMPER
SG	SUPPLY GRILLE
SP	SUMP PUMP
SPD	SUMP PUMP DISCHARGE
SR	SUPPLY REGISTER
SS	SAMPLE SINK
TCP	TEMPERATURE CONTROL PANEL
TG	TRANSFER GRILLE
TSP	TOTAL STATIC PRESSURE
U	URINAL
VD	VOLUME DAMPER (MANUAL)
YH	YARD HYDRANT

PIPE SYMBOLS

- ABOVE GRADE COLD WATER (W1)
- BELOW GRADE COLD WATER (W1)
- ABOVE GRADE HOT WATER (W1)
- ABOVE GRADE HOT WATER RETURN (W1)
- CSW — ABOVE GRADE COLD SOFT WATER (W1)
- HSW — ABOVE GRADE HOT SOFT WATER (W1)
- W2 — ABOVE GRADE SERVICE WATER-COLD (W2)
- W2 — BELOW GRADE SERVICE WATER-COLD (W2)
- W3 — ABOVE GRADE FLUSHING WATER (W3)
- W3 — BELOW GRADE FLUSHING WATER (W3)
- ABOVE GRADE STORM WATER
- BELOW GRADE STORM WATER
- ABOVE GRADE SANITARY SEWER
- BELOW GRADE SANITARY SEWER
- ABOVE GRADE VENT
- BELOW GRADE VENT
- AR — ABOVE GRADE SANITARY SEWER (ACID RESISTANT)
- AR — BELOW GRADE SANITARY SEWER (ACID RESISTANT)
- AR — ABOVE GRADE VENT (ACID RESISTANT)
- AR — BELOW GRADE VENT (ACID RESISTANT)
- SPD — SUMP PUMP DISCHARGE
- V — VACUUM
- G — NATURAL GAS
- A — COMPRESSED AIR
- HS — HOT WATER HEATING SUPPLY
- HR — HOT WATER HEATING RETURN
- RG — REFRIGERANT GAS
- RS — SUCTION GAS REFRIGERANT
- RL — LIQUID REFRIGERANT
- FOD — FUEL OIL DISCHARGE
- FOS — FUEL OIL SUCTION
- FOR — FUEL OIL RETURN
- FOV — FUEL OIL VENT
- D — DRAIN
- E — EXPANSION TANK LINE

PIPE SYMBOLS (CONT.)

- BBD — BOILER BLOW DOWN
- CP — CONDENSATE PUMP DISCHARGE
- HPS — HIGH PRESSURE STEAM
- MPS — MEDIUM PRESSURE STEAM
- LPS — LOW PRESSURE STEAM
- HPR — HIGH PRESSURE RETURN
- MPR — MEDIUM PRESSURE RETURN
- LPR — LOW PRESSURE RETURN

PIPE SPECIALTIES (GENERAL)

- ELBOW
- TEE
- ELBOW UP
- ELBOW DOWN
- CONNECTION TOP
- CONNECTION BOTTOM
- UNION
- PITCH ARROW-DOWN
- FLOW DIRECTION
- ECCENTRIC REDUCER
- CONCENTRIC REDUCER
- PIPE CAP
- BLIND FLANGE
- PLUG

PIPE SPECIALTIES (PLUMBING)

- FIRE HYDRANT
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- GD — GUTTER DRAIN
- CO — FLOOR CLEANOUT
- SANITARY VENT
- AV — SANITARY VENT (ACID)

TEMPERATURE CONTROL SYMBOLS

- TCP — TEMPERATURE CONTROL PANEL
- T — THERMOSTAT
- H — HUMIDISTAT

PIPE SPECIALTIES (HVAC)

- GUIDE
- ANCHOR
- F — FLOW MEASURING DEVICE
- THERMOSTATIC TRAP
- FLOAT & THERMOSTATIC TRAP
- BUCKET TRAP
- EXPANSION COMPENSATOR
- FLEXIBLE CONNECTOR
- HOT WATER CIRCULATION PUMP
- FS — FLOW SWITCH
- PRESSURE SWITCH
- AIR VENT
- THERMOMETER
- PRESSURE GAUGE

VALVE SYMBOLS

- WATER MAIN VALVE
- WH — WALL HYDRANT (NON-FREEZE)
- BH — BOX HYDRANT (FROST PROOF)
- HB — HOSE BIBB
- GAS COCK
- GAUGE COCK
- PRESSURE REGULATING VALVE
- BACKWATER VALVE
- BALL VALVE
- GATE VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- PLUG VALVE
- CALIBRATED, BALANCE VALVE
- MODULATING 3-WAY VALVE
- SOLENOID VALVE
- MODULATING 2-WAY VALVE
- GLOBE VALVE
- STRAINER
- PRS — PRESSURE REDUCING STATION (ASSEMBLY)
- RELIEF VALVE (PRESSURE OR VACUUM)
- V-1 — UNCLASSIFIED

DUCTWORK SYMBOLS

- POSITIVE PRESSURE AIR DUCT RISE
- POSITIVE PRESSURE AIR DUCT DROP
- NEGATIVE PRESSURE AIR DUCT RISE
- NEGATIVE PRESSURE AIR DUCT DROP
- FLEXIBLE CONNECTION
- M — MOTOR OPERATED DAMPER
- VD — MANUAL VOLUME DAMPER
- SMOKE DAMPER
- FA — FIRE DAMPER (HORI. POSITION) CLASS A (FA), CLASS B (FB)
- FA — FIRE DAMPER (VERT. POSITION) CLASS A (FA), CLASS B (FB)
- INTERNAL ACOUSTICAL INSULATION
- EXTERNAL INSULATION
- TURNING VANES
- AIR EXTRACTOR
- SPLITTER DAMPER
- 24"X 6"DG — DOOR GRILLE OF TYPE, SIZE, AND CAPACITY INDICATED
- 12"X 12"SG — SIDEWALL GRILLE OF TYPE, SIZE, AND CAPACITY INDICATED
- 12"X 12"RG — CEILING GRILLE OF TYPE, SIZE, AND CAPACITY INDICATED
- 12"X 12"CD — RECTANGULAR CEILING DIFFUSER OF TYPE, SIZE, AND CAPACITY INDICATED
- 12"Ø CD — ROUND CEILING DIFFUSER OF TYPE, SIZE, AND CAPACITY INDICATED
- R — CHANGE OF ELEVATION RISE (R), DROP (D)

LISTED ABBREVIATIONS ARE SUPPLEMENTAL TO THE STANDARD ABBREVIATIONS LIST PUBLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE, MOST RECENT EDITION.

PLUMBING AND HVAC ABBREVIATIONS AND SYMBOLS

REFERENCE FILES: R1=DS2:[340001]BORDER.REF (LV=11-20); R2=; R3=

MU-8000 PLOT SCALE=4 PLOT SHAPE G2 (FULL SIZE)

MU- PLOT SCALE= PLOT SHAPE= (FULL SIZE)

Scale	NONE
Date	2/5/88
Designer	WJB/RCD
Drafter	DSD
Checker	MSL
Approver	MSL

No.	Revisions	By	Date

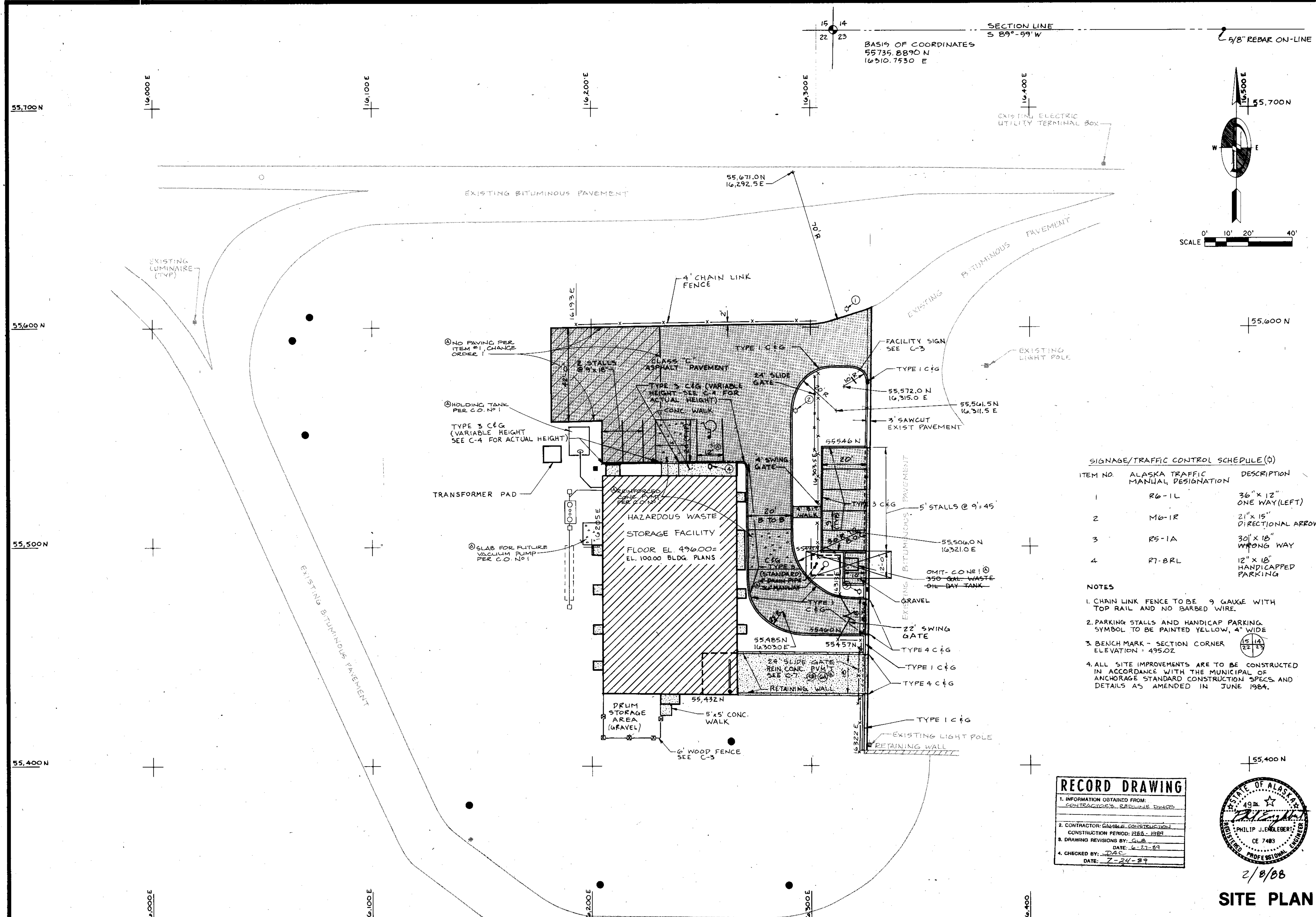
Donohue Engineers & Architects — COMPUTER AIDED DESIGN/DRAFTING — DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No.	3
File No.	A-50883
Project No.	15286
Drawing No.	G-2

221-32 DESIGN FILE

DS2:[340001]ABBRV1.PLB;1



SIGNAGE/TRAFFIC CONTROL SCHEDULE (1)

ITEM NO.	ALASKA TRAFFIC MANUAL DESIGNATION	DESCRIPTION
1	R6-1L	36" x 12" ONE WAY (LEFT)
2	M6-1R	21" x 15" DIRECTIONAL ARROW
3	R5-1A	30" x 18" WRONG WAY
4	R7-8RL	12" x 18" HANDICAPPED PARKING

NOTES

1. CHAIN LINK FENCE TO BE 9 GAUGE WITH TOP RAIL AND NO BARBED WIRE.
2. PARKING STALLS AND HANDICAP PARKING SYMBOL TO BE PAINTED YELLOW, 4" WIDE
3. BENCH MARK - SECTION CORNER (15 14 / 22 23) ELEVATION = 495.02
4. ALL SITE IMPROVEMENTS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE MUNICIPAL OF ANCHORAGE STANDARD CONSTRUCTION SPECS. AND DETAILS AS AMENDED IN JUNE 1984.

RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLB DATE: 6-27-89
4. CHECKED BY: DAC DATE: 7-24-89

STATE OF ALASKA 49th — PHILIP J. ENGLEBERT CE 7483 — REGISTERED PROFESSIONAL ENGINEER
2/8/88

SITE PLAN

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

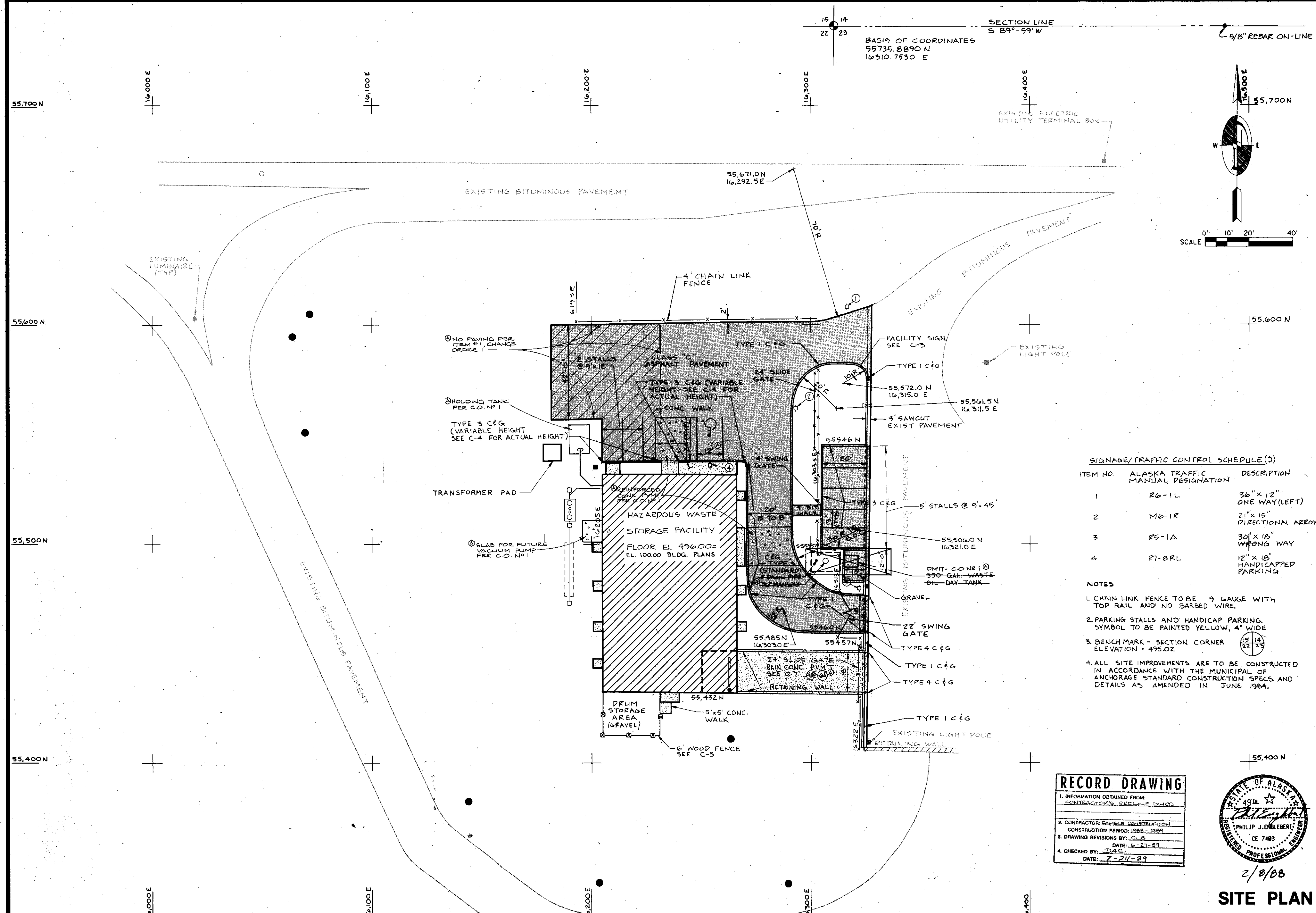
Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
BOWL ENGINEERS

Scale	AS SHOWN
Date	2-5-88
Designer	SLP
Drafter	JPW
Checker	AWL
Approver	TRJ

No.	Revisions	By	Date
1	AS-BUILT PER CONTRACTOR'S REDLINE DWGS	DAC	6-27-89

Sheet No. 6
File No. A-50880
Project No.
C-2
Drawing No.

DESIGN FILE 221-29



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1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
   CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: GLB
   DATE: 6-27-89
4. CHECKED BY: DAC
   DATE: 7-24-89

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER PHILIP J. ENGLEBERT CE 7483

2/8/88

SITE PLAN

Scale	AS SHOWN				
Date	2-5-88				
Designer	SLP				
Drafter	JPW				
Checker	AWL	①	AS-BUILT PER CONTRACTOR'S REDLINE DWGS	DAC	6-27-89
Approver	TRJ	No.	Revisions	By	Date

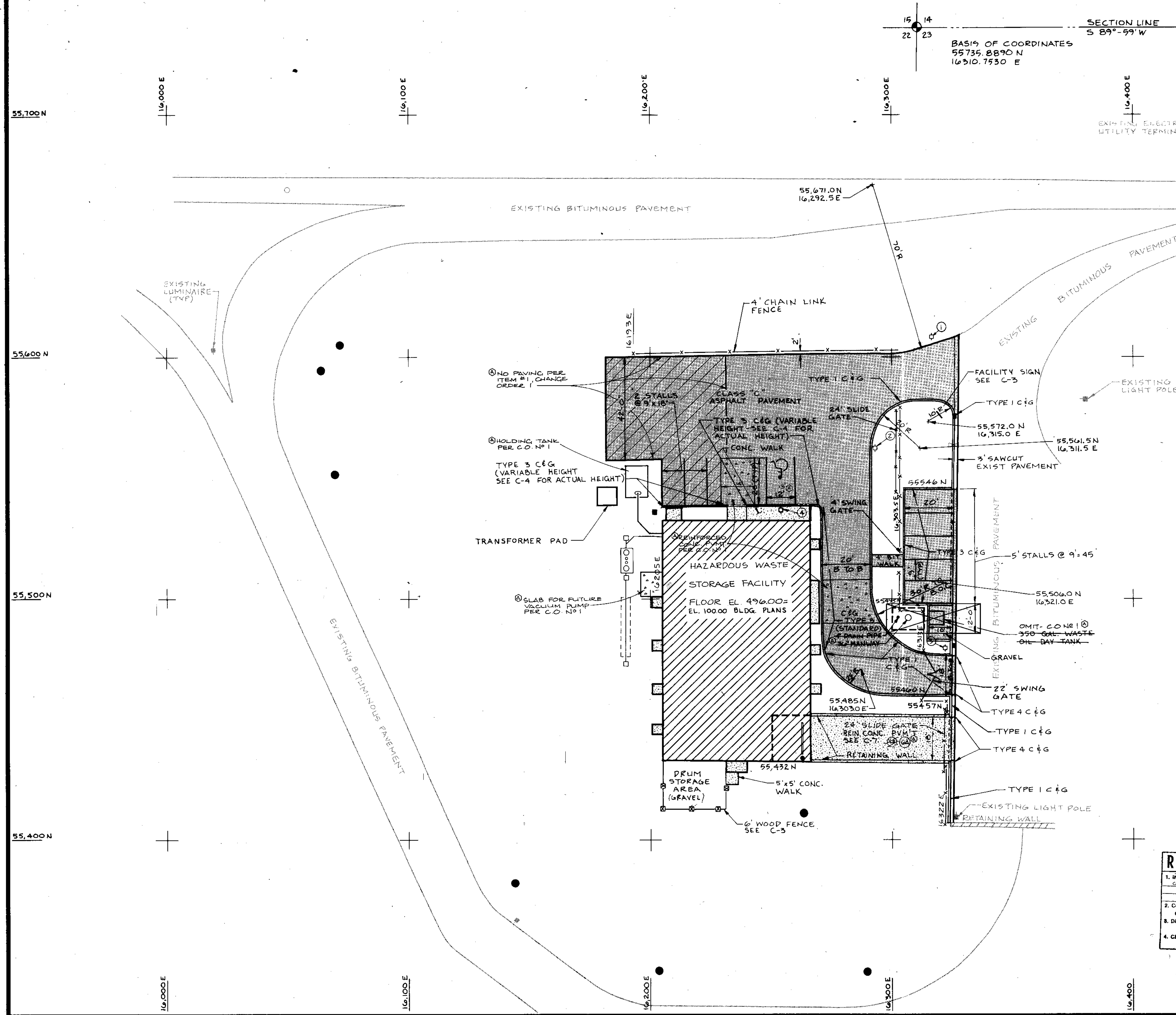
Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

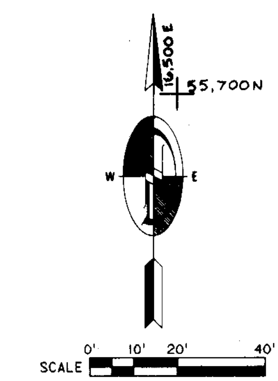
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 6
File No. A-50880
Project No.
C-2
Drawing No.

DESIGN FILE 221-29

221-29





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1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
   CONSTRUCTION PERIOD: 1988 - 1989
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   DATE: 6-27-89
4. CHECKED BY: DAC
   DATE: 7-24-89

STATE OF ALASKA 49th
PHILIP J. ENGLEBERT
CE 7483
REGISTERED PROFESSIONAL ENGINEER

2/8/88

SITE PLAN

Scale	AS SHOWN
Date	2-5-88
Designer	SLP
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Checker	AWL
Approver	TRJ

No.	Revisions	By	Date
A	AS-BUILT PER CONTRACTOR'S REDLINE DWGS	DAC	6-27-89

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

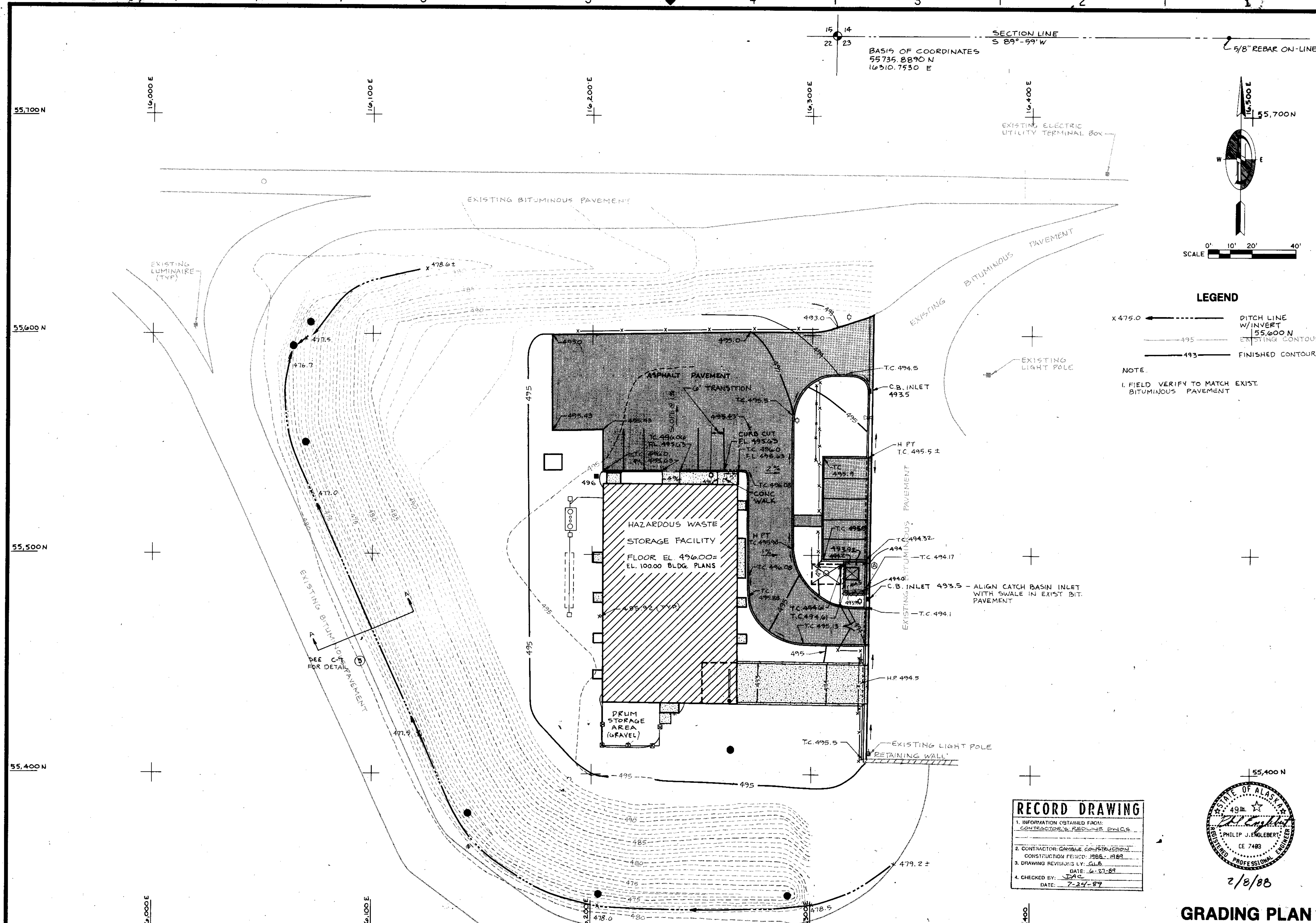
Sheet No. 6
File No. A-50880
Project No.
C-2
Drawing No.

REFERENCE FILES: R1=GS :C R2= R3= BORDER.REF (LV=11-20)

WU- PLOT SCALE- PLOT NAME- (FULL SIZE)

DESIGN FILE 221-29

221-26



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STATE OF ALASKA 49th PHILIP J. ENGLEBERT CE 7483 REGISTERED PROFESSIONAL ENGINEER

2/8/88

Scale	AS SHOWN	No.	Revisions	By / Date
Date	2-5-88	A	AS BUILT PER CONTRACTOR'S REDLINE DWGS.	DAC 6-27-89
Designer	SLP			
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CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

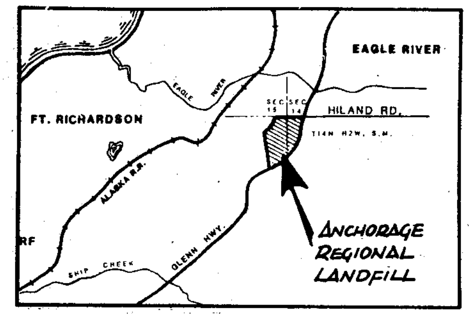
Sheet No. 8
File No. A-50878
Project No.
C-4
Drawing No.

DESIGN FILE 221-26

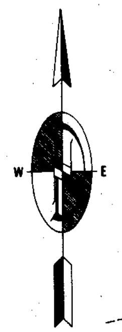
REFERENCE FILES R1=DS:C BORDER.REF (LV=11-20) R2= R3=

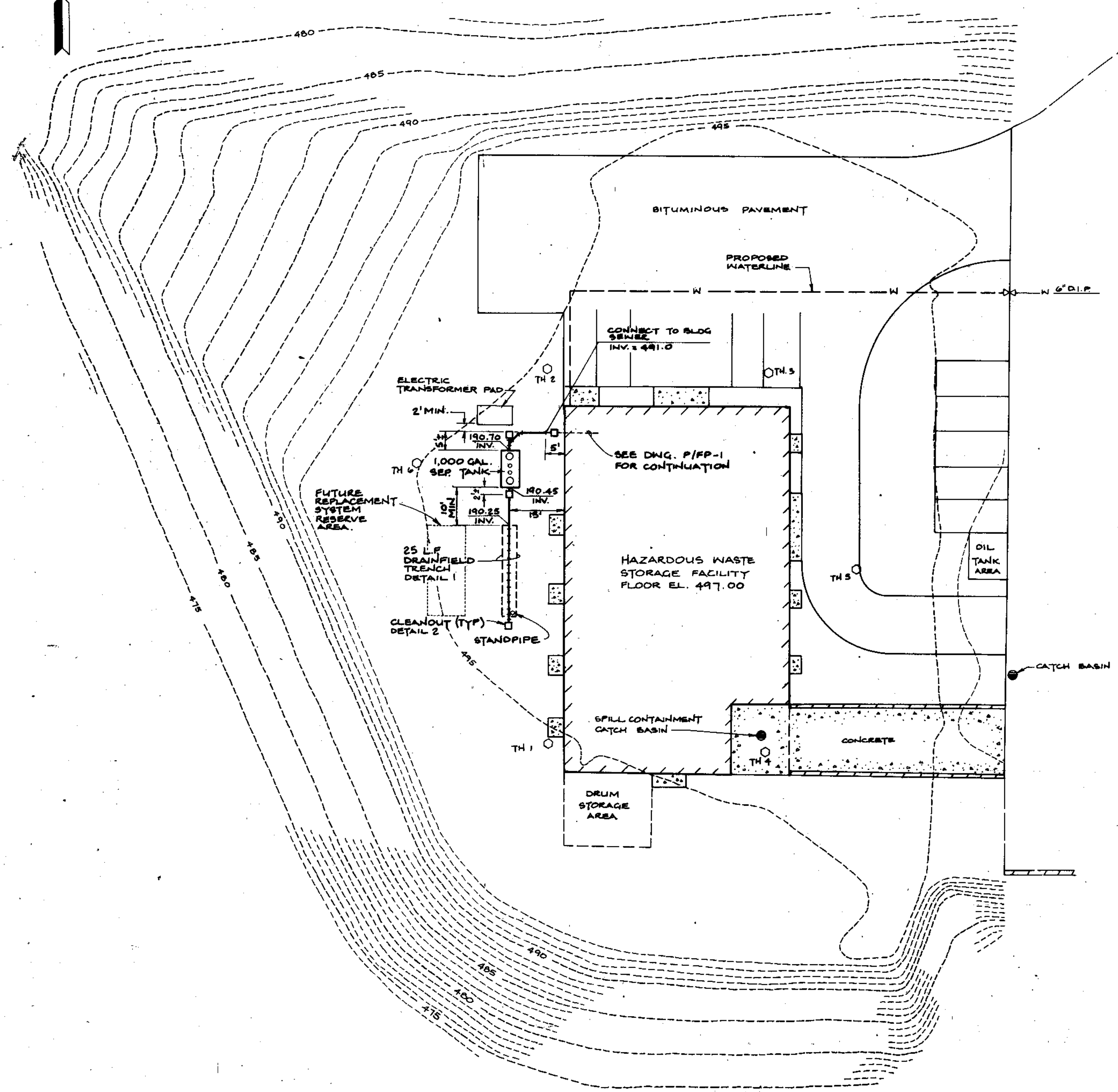
221-25

ALSO FILED AS 219-68



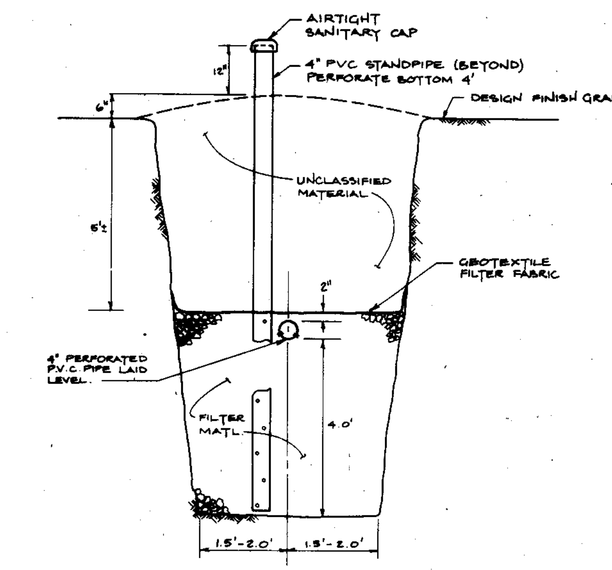
VICINITY MAP





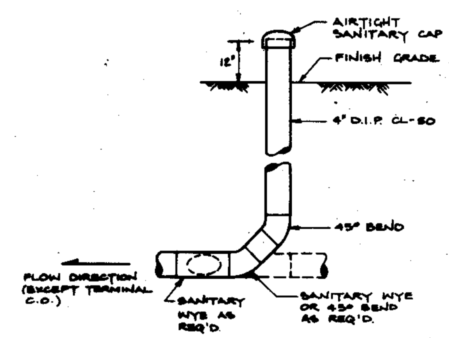
SITE PLAN

SCALE: 1"=20'



1 DRAINFIELD TRENCH SECTION

NO SCALE



2 CLEANOUT

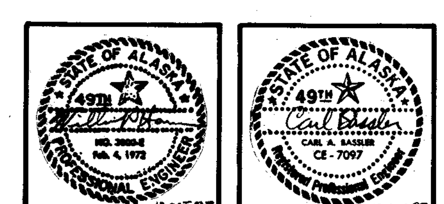
NO SCALE

NOTES

1. SEE DRAWING C-2 FOR HORIZONTAL AND VERTICAL CONTROL, AND BUILDING LOCATION.
2. UNPERFORATED SEWER PIPE SHALL BE 4-INCH CAST IRON OR CLASS 50 DUCTILE IRON SLOPED AT 2 PERCENT.
3. THE SEPTIC TANK SHALL HAVE A LIQUID CAPACITY OF 1000 GALLONS AND SHALL MEET UNIFORM PLUMBING CODE REQUIREMENTS. SUBMIT SHOP DRAWINGS FOR APPROVAL.
4. THE OWNER WILL SUBMIT FOR APPROVAL OF THE SEPTIC SYSTEM BY ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) AFTER CONSTRUCTION. DEC REQUIRES THE ENGINEER TO OBSERVE THE SYSTEM PRIOR TO BACKFILL. THE CONTRACTOR SHALL ASSIST THE OWNER IN OBTAINING THE REQUIRED INFORMATION AND INSPECTIONS.
5. PROVIDE 4 FEET MINIMUM OF COVER OVER THE SEPTIC TANK.
6. THERE ARE NO WATER WELLS WITHIN 200 FEET OF THE SEPTIC SYSTEM.

RECORD DRAWING

1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS (NO REVISIONS NOTED)
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLB DATE: 6-27-89
4. CHECKED BY: DAC DATE: 7-24-89



ON-SITE SEWAGE DISPOSAL PLAN

No.	Revisions	By	Date
1	NOTE 1	CB	1/21/88
	NO AS-BUILT REVISIONS	DAC	6/27/89

Scale / Date / Designer / Drafter / Checker / Approver

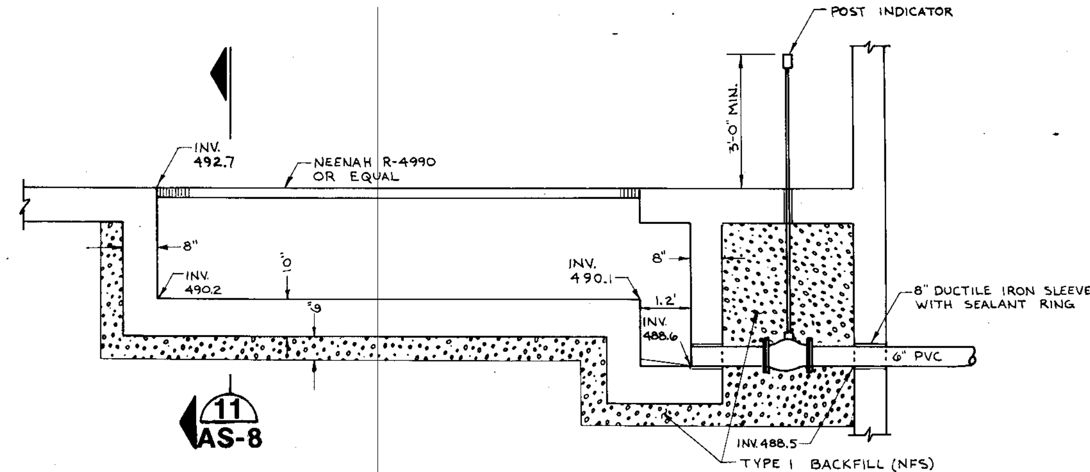
Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

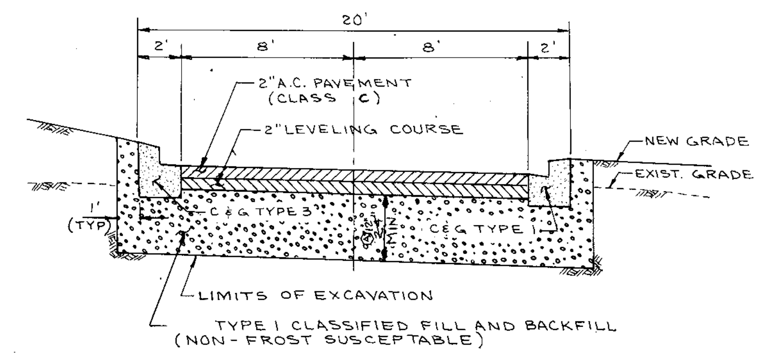
Sheet No. 1
File No.
Project No.
Drawing No. C-5

DESIGN FILE 221-25

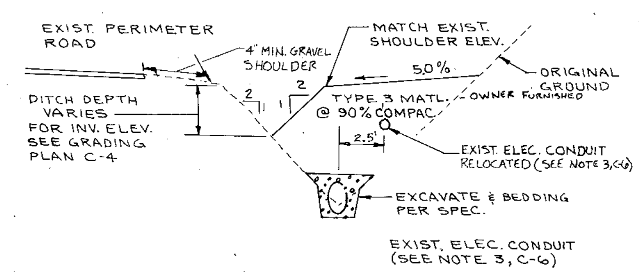
221-23



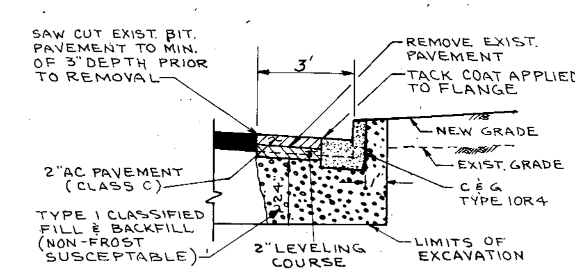
1 SPILL CONTAINMENT AND RETAINING WALL DETAIL



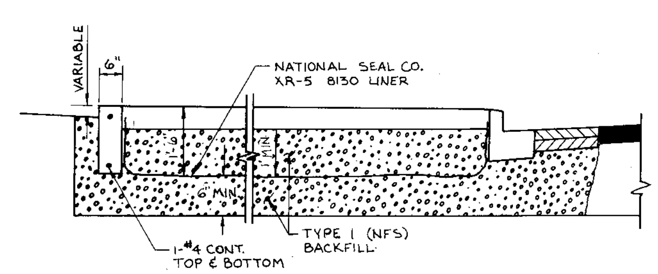
2 BITUMINOUS PAVEMENT SECTION EAST OF BUILDING



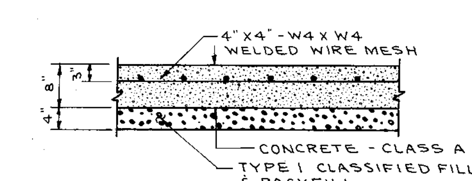
3 PERIMETER STORM DRAIN SECTION "A - A"



4 BUTT JOINT DETAIL



5 OIL TANK AREA SECTION "B-B"



6 REINFORCED CONCRETE PAVEMENT SECTION

(A) 6A 24" CLASSIFIED NFS FILL UNDER SLAB @ TRUCK RAMP

RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS.
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLB DATE: 6-27-89
4. CHECKED BY: DAC DATE: 7-24-89

STATE OF ALASKA 49th PHILIP J. ENGLEBERT CE 7403 REGISTERED PROFESSIONAL ENGINEER
2/8/88

SITE DETAILS

Scale	AS SHOWN
Date	12-24-87
Designer	SLP
Drafter	JPW
Checker	AWL
Approver	TRJ

No.	Revisions	By	Date
(A)	AS-BUILT PER CONTRACTOR'S REDLINE DWGS.	DAC	6-27-89

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

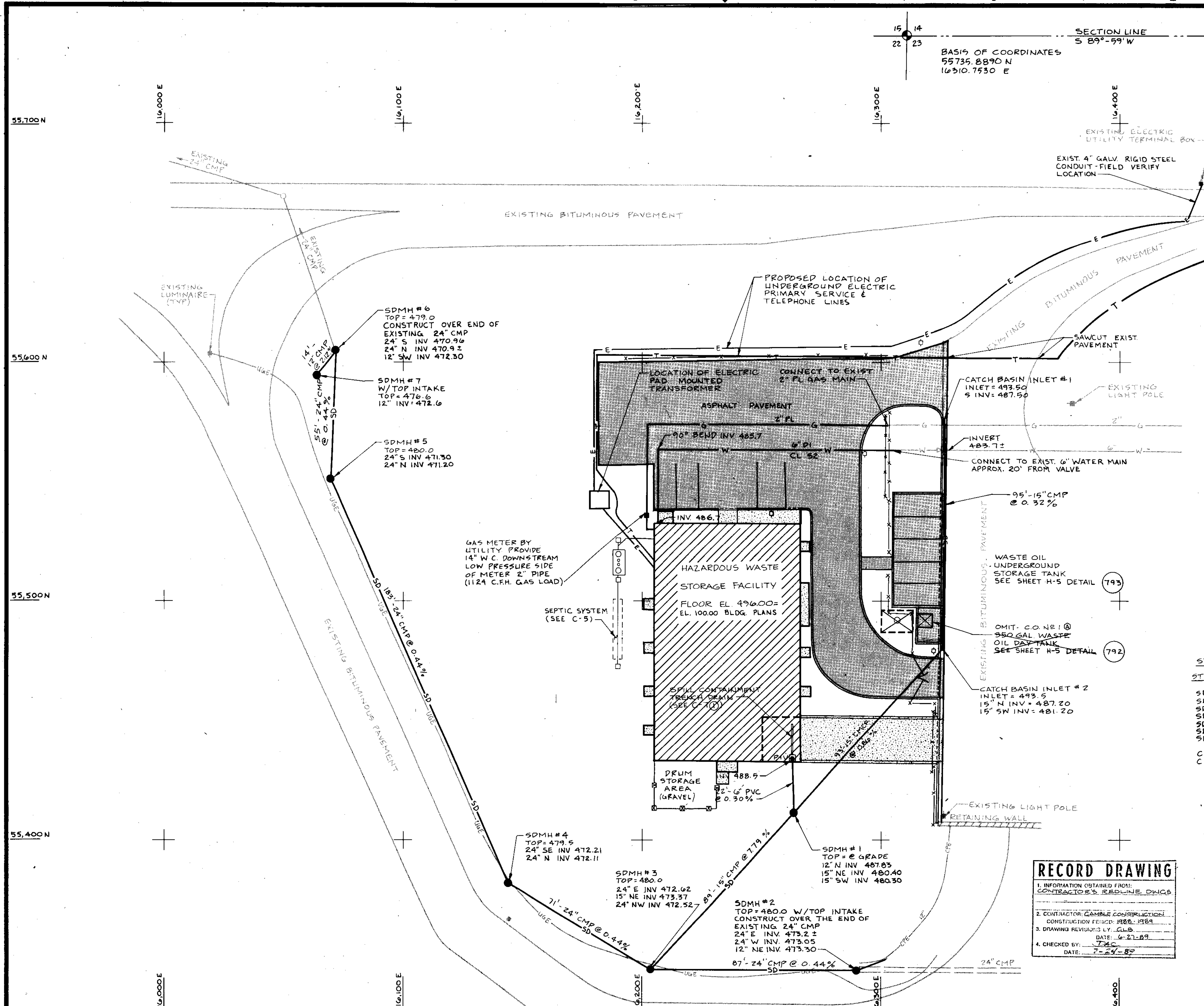
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 9B
File No. A-50876
Project No.
C-7
Drawing No.

REFERENCE FILES R1=DS :C JBORDER.REF (LV=11-20) R2= R3=
WU- PLOT SCALE- PLOT NAME- (FULL SIZE)
WU- PLOT SCALE- PLOT NAME- (FULL SIZE)

DESIGN FILE 221-23

221-24



SECTION LINE
S 89°-59' W
BASIS OF COORDINATES
55735.8890 N
16310.7530 E
5/8" REBAR ON-LINE
EXISTING BITUMINOUS PAVEMENT
EXIST. 4" GALV. RIGID STEEL CONDUIT - FIELD VERIFY LOCATION
EXISTING ELECTRIC UTILITY TERMINAL BOX
PROPOSED LOCATION OF UNDERGROUND ELECTRIC PRIMARY SERVICE & TELEPHONE LINES
SAWCUT EXIST. PAVEMENT
SDMH #6 TOP = 479.0 CONSTRUCT OVER END OF EXISTING 24" CMP 24" S INV 470.96 24" N INV 470.9 ± 12" SW INV 472.30
SDMH #7 W/ TOP INTAKE TOP = 476.6 12" INV = 472.6
SDMH #5 TOP = 480.0 24" S INV 471.30 24" N INV 471.20
LOCATION OF ELECTRIC PAD MOUNTED TRANSFORMER
CONNECT TO EXIST. 2" PL GAS MAIN
ASPHALT PAVEMENT
90° BEND INV 485.7
CATCH BASIN INLET #1 INLET = 493.50 S INV = 487.50
INVERT 483.7 ±
CONNECT TO EXIST. 6" WATER MAIN APPROX. 20' FROM VALVE
95'-15" CMP @ 0.32%
GAS METER BY UTILITY PROVIDE 14" W.C. DOWNSTREAM LOW PRESSURE SIDE OF METER 2" PIPE (1124 C.F.H. GAS LOAD)
HAZARDOUS WASTE STORAGE FACILITY FLOOR EL. 496.00 = EL. 100.00 BLDG. PLANS
SEPTIC SYSTEM (SEE C-5)
WASTE OIL UNDERGROUND STORAGE TANK SEE SHEET H-5 DETAIL 793
OMIT - C.O. No 1 950 GAL WASTE OIL DAY TANK SEE SHEET H-5 DETAIL 792
CATCH BASIN INLET #2 INLET = 493.5 15" N INV = 487.20 15" SW INV = 481.20
SPILL CONTAINMENT TRENCH DRAIN (SEE C-7)
DRUM STORAGE AREA (GRAVEL)
2'-6" PVC @ 0.30%
EXISTING LIGHT POLE
RETAINING WALL
183'-24" CMP @ 0.44%
SDMH #4 TOP = 479.5 24" SE INV 472.21 24" N INV 472.11
SDMH #3 TOP = 480.0 24" E INV 472.62 15" NE INV 473.37 24" NW INV 472.52
SDMH #2 TOP = 480.0 W/ TOP INTAKE CONSTRUCT OVER THE END OF EXISTING 24" CMP 24" E INV 473.2 ± 24" W INV 473.05 12" NE INV 473.30
SDMH #1 TOP = @ GRADE 12" N INV 487.83 15" NE INV 480.40 15" SW INV 480.30
71'-24" CMP @ 0.44%
89'-15" CMP @ 7.79%
87'-24" CMP @ 0.44%

LEGEND

PL	PLASTIC
DI	DUCTILE IRON
PIV	POST INDICATOR VALVE
—G—	NEW GAS MAIN
—W—	NEW WATER MAIN
—SD—	NEW STORM SEWER
—E—	ELECTRIC
—T—	TELEPHONE
—G—	EXIST GAS
—UGE—	EXIST UNDER GROUND ELECTRIC
—E—	EXIST TELEPHONE

STATE OF ALASKA — PHILIP J. ENGLEBERT — CE 7483 — REGISTERED PROFESSIONAL ENGINEER

2/8/88

STORM DRAIN STRUCTURE LOCATION TABLE

STRUCTURE	CENTERLINE	LOCATION
SDMH #1	55411.0 N	16263.0 E
SDMH #2	55345.0 N	16290.0 E
SDMH #3	55345.0 N	16203.0 E
SDMH #4	55383.0 N	16143.0 E
SDMH #5	55551.0 N	16070.0 E
SDMH #6	55605.5 N	16071.5 E
SDMH #7	55594.0 N	16064.0 E
CBI #1	55575.5 N	16325.5 E
CBI #2	55480.5 N	16325.5 E

NOTES
1. STORM DRAIN PIPE SHALL BE 16 GA CORRUGATED METAL PIPE (CMP)
2. STORM DRAIN MANHOLES SHALL BE MOA TYPE I.
3. CONTRACTOR SHALL RELOCATE THE EXIST. UNDERGROUND ELECTRIC LINE. BURY UGE 30" BELOW GROUND SURFACE. SEE C-7 (2) FOR LOCATION
4. CATCH BASIN INLETS SHALL BE FILE No 238 OF MASS-B STANDARD DETAILS.

RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISED BY: GLB DATE: 6-27-89
4. CHECKED BY: TAC DATE: 7-25-89

Scale	AS SHOWN
Date	2-5-88
Designer	SLP
Drafter	JPW
Checker	AWL
Approver	TRJ

No.	Revisions	By	Date
(R)	AS-BUILT PER CONTRACTOR'S REDLINES	DAC	6-27-89

Donohue Engineers & Architects
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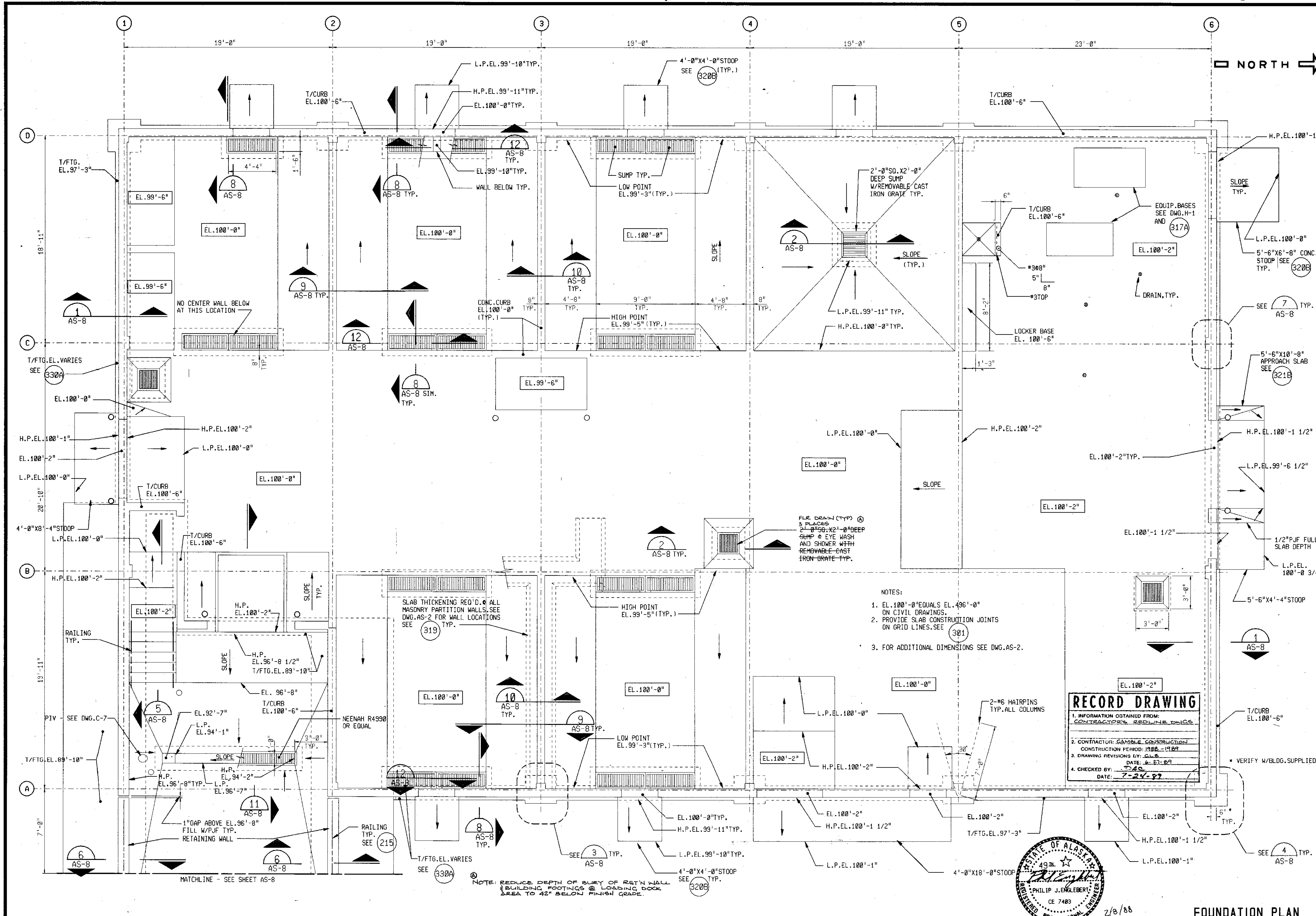
DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

UTILITIES PLAN

Sheet No.
File No.
Project No.
C-6
Drawing No.

DESIGN FILE 221-24



NOTES:

1. EL.100'-0"EQUALS EL.496'-0" ON CIVIL DRAWINGS.
2. PROVIDE SLAB CONSTRUCTION JOINTS ON GRID LINES.SEE 301
3. FOR ADDITIONAL DIMENSIONS SEE DWG.AS-2.

RECORD DRAWING

1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
   CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: GLB
   DATE: 6-27-89
4. CHECKED BY: DAC
   DATE: 7-24-89

STATE OF ALASKA 49TH — PHILIP J.ENGLEBERT CE 7403 — REGISTERED PROFESSIONAL ENGINEER
2/8/88

FOUNDATION PLAN

No.	Revisions	By	Date
A	AS-BUILT PER CONTRACTOR'S REDLINE DWGS.	DAC	6-27-89

Scale	1/4"=1'0"
Date	2/5/88
Designer	AJB
Drafter	MLJ/VEN
Checker	DLS
Approver	PJE

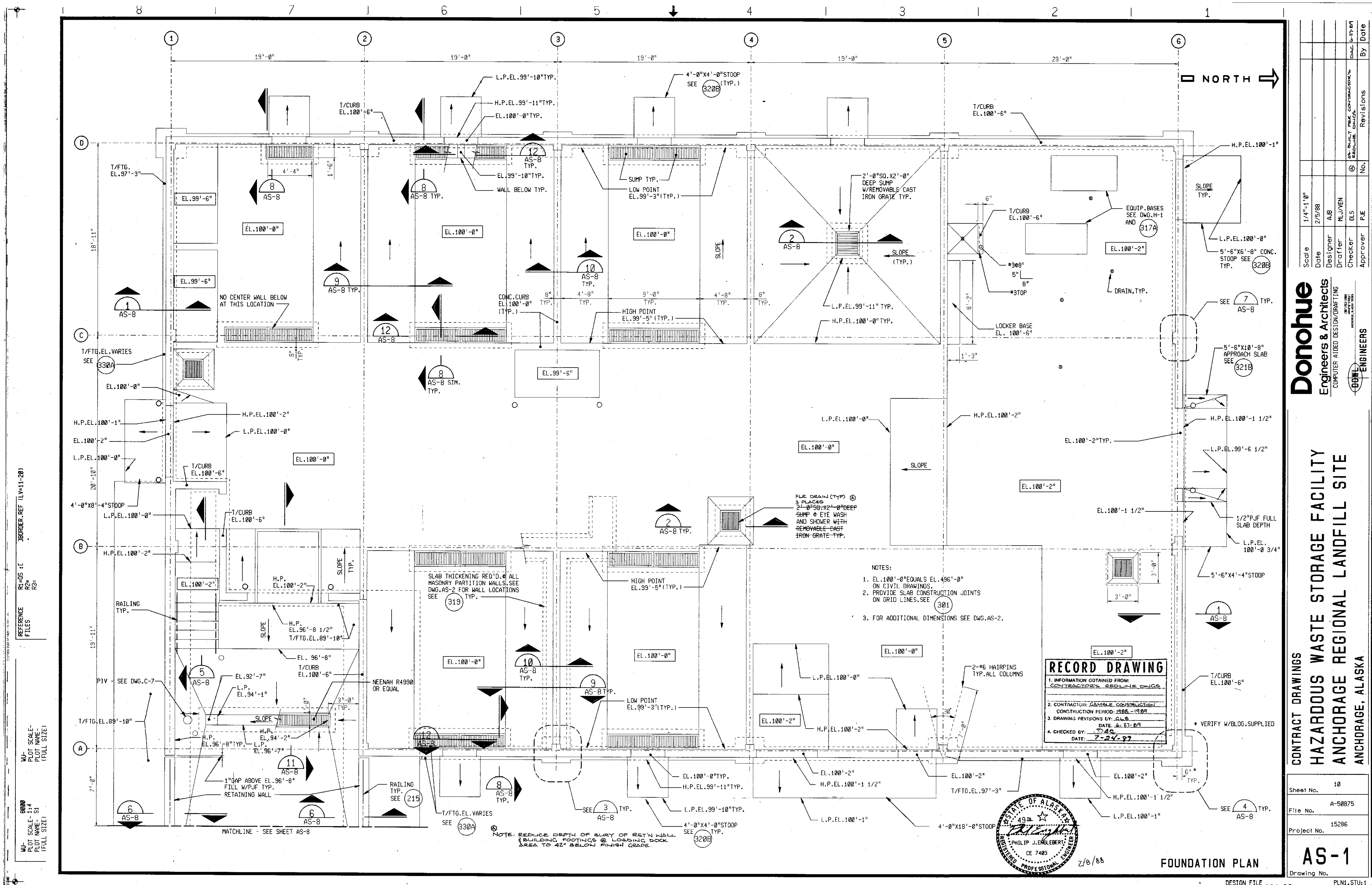
Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

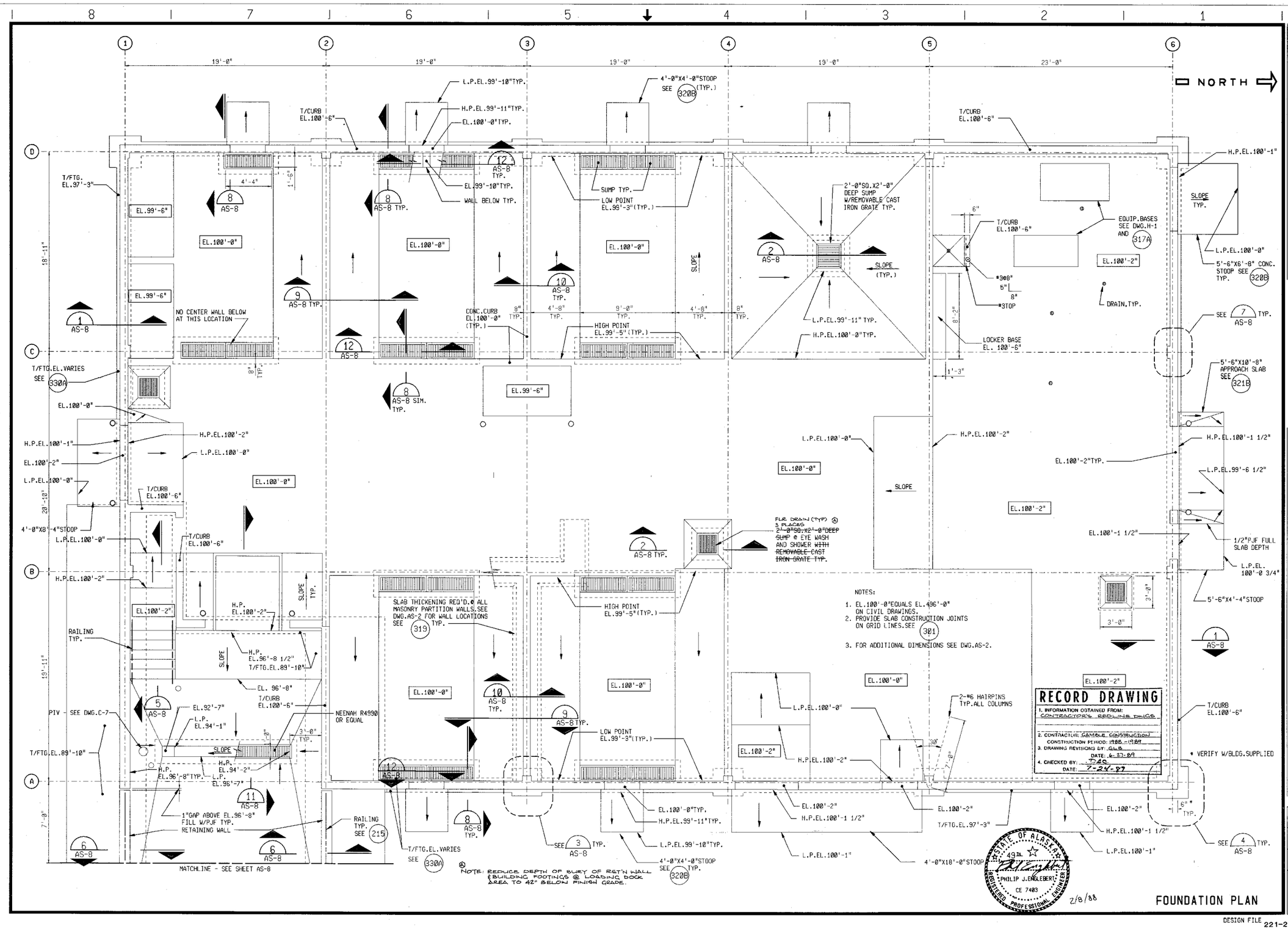
Sheet No. 10
File No. A-50875
Project No. 15286
Drawing No. AS-1

DESIGN FILE 221-22
PLN1.STU;1

REFERENCE FILES — JBORDER.REF (LV=11-20)
R1=OS ;L R2= R3=
WU- PLOT SCALE- PLOT NAME- (FULL SIZE)
WU- 8000 PLOT SCALE- 1:4 PLOT NAME- S1 (FULL SIZE)


NORTH
NO CENTER WALL BELOW AT THIS LOCATION
2'-0"SQ.X2'-0" DEEP SUMP W/REMOVABLE CAST IRON GRATE TYP.
SUMP TYP.
LOW POINT EL.99'-3"(TYP.)
HIGH POINT EL.99'-5"(TYP.)
CONC.CURB EL.100'-0" (TYP.)
LOCKER BASE EL. 100'-6"
EQUIP.BASES SEE DWG.H-1 AND 317A
DRAIN,TYP.
SLOPE TYP.
5'-6"X6'-8" CONC. STOOP SEE 320B TYP.
5'-6"X10'-8" APPROACH SLAB SEE 321B
1/2"PJF FULL SLAB DEPTH
5'-6"X4'-4"STOOP
4'-0"X4'-0"STOOP SEE 320B (TYP.)
4'-0"X8'-4"STOOP
4'-0"X18'-0"STOOP
SLAB THICKENING REQ'D.@ ALL MASONRY PARTITION WALLS.SEE DWG.AS-2 FOR WALL LOCATIONS SEE 319 TYP.
NEENAH R4990 OR EQUAL
RAILING TYP.
RAILING TYP. SEE 215
1"GAP ABOVE EL.96'-8" FILL W/PJF TYP.
RETAINING WALL
PIV - SEE DWG.C-7
2-#6 HAIRPINS TYP.ALL COLUMNS
FLR DRAIN (TYP) @ 3 PLACES
VERIFY W/BLDG.SUPPLIED
MATCHLINE - SEE SHEET AS-8
NOTE: REDUCE DEPTH OF BURY OF RET'N WALL & BUILDING FOOTINGS @ LOADING DOCK AREA TO 42" BELOW FINISH GRADE.
NOTES:
1. EL.100'-0"EQUALS EL.496'-0" ON CIVIL DRAWINGS.
2. PROVIDE SLAB CONSTRUCTION JOINTS ON GRID LINES.SEE 301
3. FOR ADDITIONAL DIMENSIONS SEE DWG.AS-2.
RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLS DATE: 6-27-89
4. CHECKED BY: DAC DATE: 7-24-89
STATE OF ALASKA
49th
PHILIP J. ENGLEBERT
CE 7403
REGISTERED PROFESSIONAL ENGINEER
2/8/88
FOUNDATION PLAN
Scale 1/4"=1'0"
Date 2/5/88
Designer AJB
Drafter ML/YEN
Checker DLS
Approver PJE
Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA
Sheet No. 10
File No. A-50875
Project No. 15286
AS-1
Drawing No.
DESIGN FILE 221-22
PLN1.STU;1
REFERENCE FILES
JBORDER.REF (LV=11-28)

221-22



REFERENCE FILES
R1=DS-1C 3BORDER.REF (LV=11-20)
R2=
R3=

WU-PLOT SCALE=1:4 PLOT MODE=1 (FULL SIZE)

WU-8000 PLOT SCALE=1:4 PLOT MODE=1 (FULL SIZE)

Scale	1/4"=1'0"
Date	2/5/88
Designer	AJB
Drafter	MLJ/VEN
Checker	DLS
Approver	PJE

No.	Revisions	By	Date
	AS-BUILT PLUS CONTRACTOR'S REDLINE CHANGES	DAC	6-27-89

Donohue
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DOWL ENGINEERS

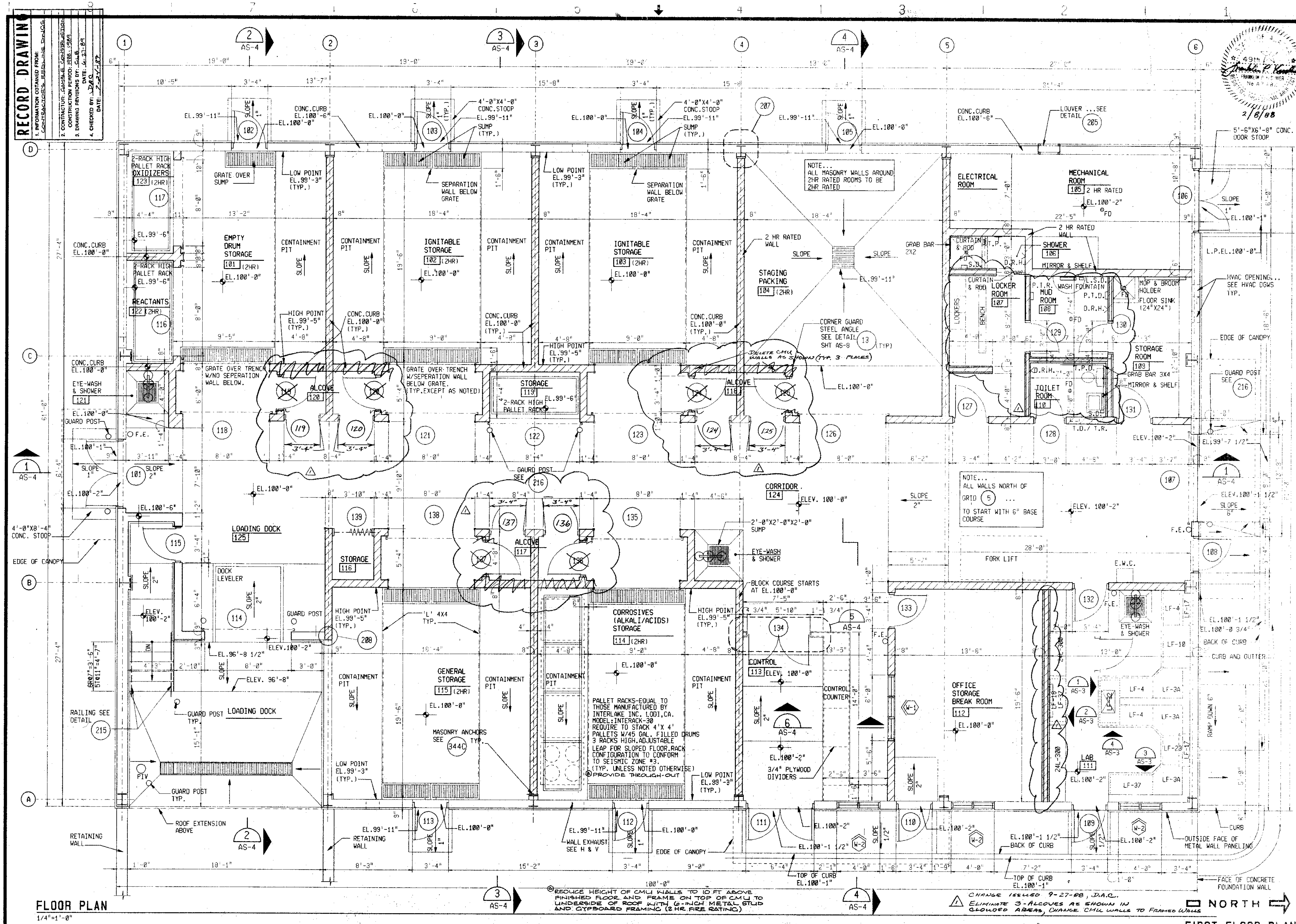
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No.	10
File No.	A-50875
Project No.	15286

AS-1
Drawing No.

DESIGN FILE 221-22
PLN1,STU;1

221-21A



CONTRACT DRAWINGS

HAZARDOUS WASTE STORAGE FACILITY

ANCHORAGE REGIONAL LANDFILL SITE

ANCHORAGE, ALASKA

Donohue Engineers & Architects

COMPUTER AIDED DESIGN/DRAFTING

Scale	AS SHOWN
Date	2/5/88
Designer	FPK
Drafter	AHK
Checker	FPK
Approver	KEH

Revisions: ⓐ AS-BUILT PER CONTRACTOR'S REDLINE DWGS. — DAC 6-20-89

Sheet No. 11

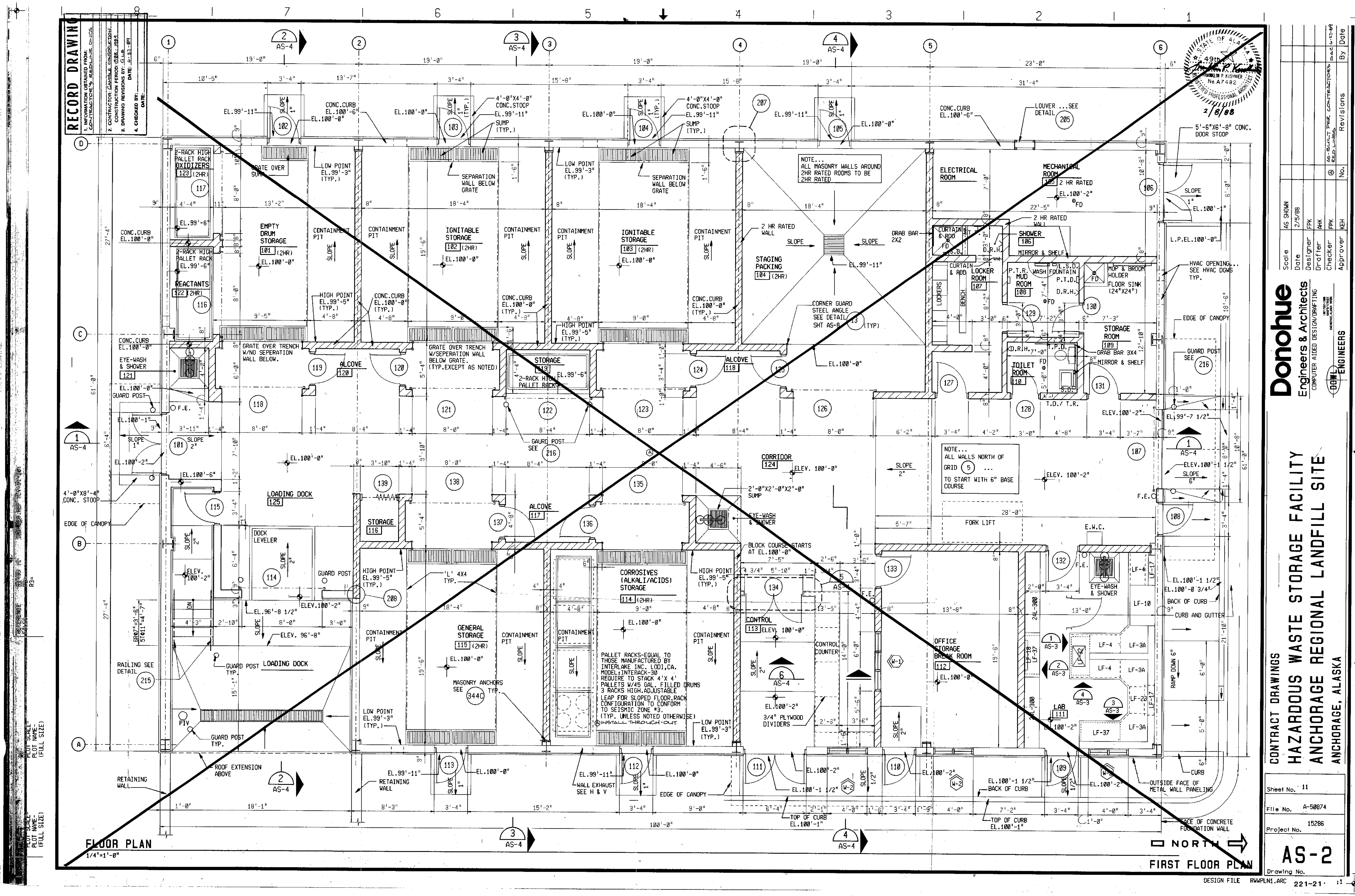
File No. A-50874

Project No. 15286

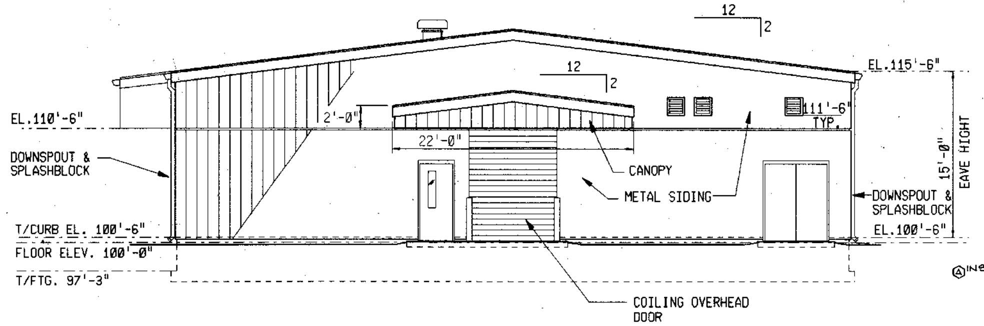
AS-2

Drawing No. 221-21A

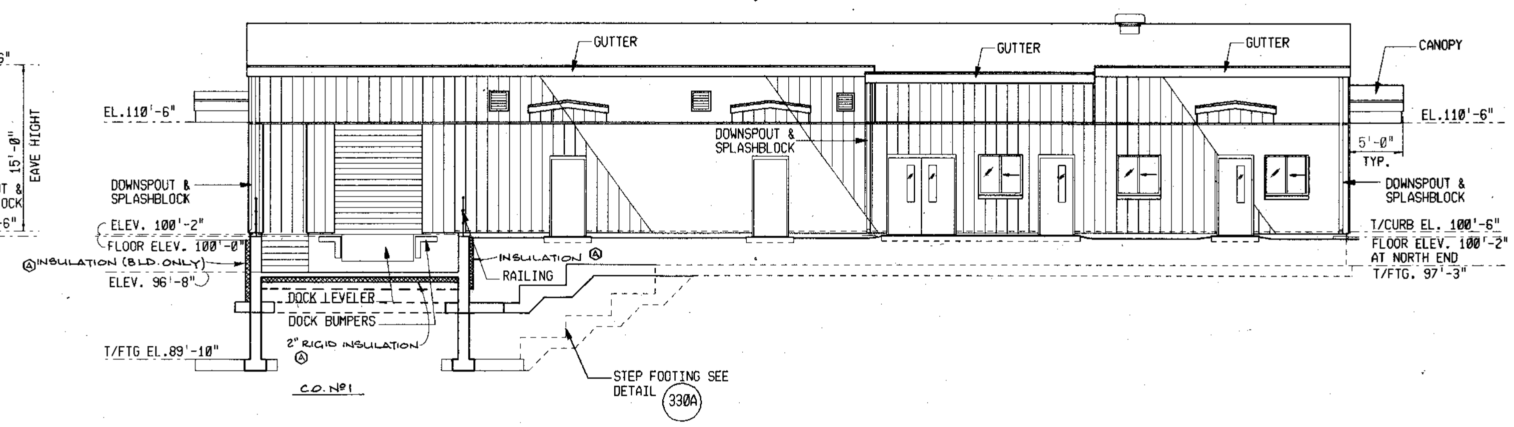
DESIGN FILE RWWPLN1.ARC



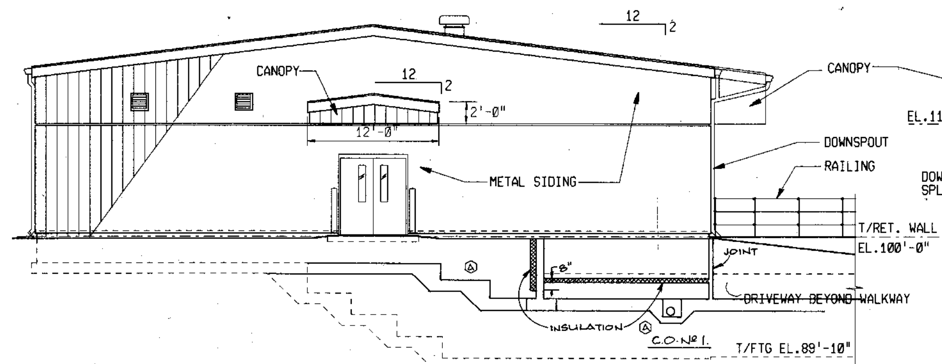
221-21
RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: CAMBLE CONSTRUCTION
3. DRAWING REVISIONS BY: G.W.B.
4. CHECKED BY:
DATE: 4-21-89
FLOOR PLAN
1/4"=1'-0"
FIRST FLOOR PLAN
NORTH
EMPTY DRUM STORAGE 101 (2HR)
IGNITABLE STORAGE 102 (2HR)
IGNITABLE STORAGE 103 (2HR)
STAGING PACKING 104 (2HR)
ELECTRICAL ROOM
MECHANICAL ROOM 105 2 HR RATED
SHOWER 106
LOCKER ROOM 107
MUD ROOM 108
STORAGE ROOM 109
TOILET ROOM 110
LAB 111
OFFICE STORAGE BREAK ROOM 112
CONTROL 113
CORROSIVES (ALKALI/ACIDS) STORAGE 114 (2HR)
GENERAL STORAGE 115 (2HR)
STORAGE 116
ALCOVE 117
ALCOVE 118
STORAGE 119
ALCOVE 120
EYE-WASH & SHOWER 121
REACTANTS 122 (2HR)
OXIDIZERS 123 (2HR)
CORRIDOR 124
LOADING DOCK 125
LOADING DOCK
DOCK LEVELER
FORK LIFT
NOTE... ALL MASONRY WALLS AROUND 2HR RATED ROOMS TO BE 2HR RATED
NOTE... ALL WALLS NORTH OF GRID 5 ... TO START WITH 6" BASE COURSE
PALLET RACKS-EQUAL TO THOSE MANUFACTURED BY INTERLAKE INC. LODI,CA. MODEL:INTERACK-30 REQUIRE TO STACK 4'X 4' PALLETS W/45 GAL. FILLED DRUMS 3 RACKS HIGH.ADJUSTABLE LEAP FOR SLOPED FLOOR.RACK CONFIGURATION TO CONFORM TO SEISMIC ZONE #3. (TYP. UNLESS NOTED OTHERWISE)
Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS
Scale AS SHOWN
Date 2/5/88
Designer FPK
Drafter AHK
Checker FPK
Approver KEH
AS BUILT PER CONTRACTORS RED LINES
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA
Sheet No. 11
File No. A-50874
Project No. 15286
AS-2
Drawing No.
DESIGN FILE RWWPLN1.ARC 221-21



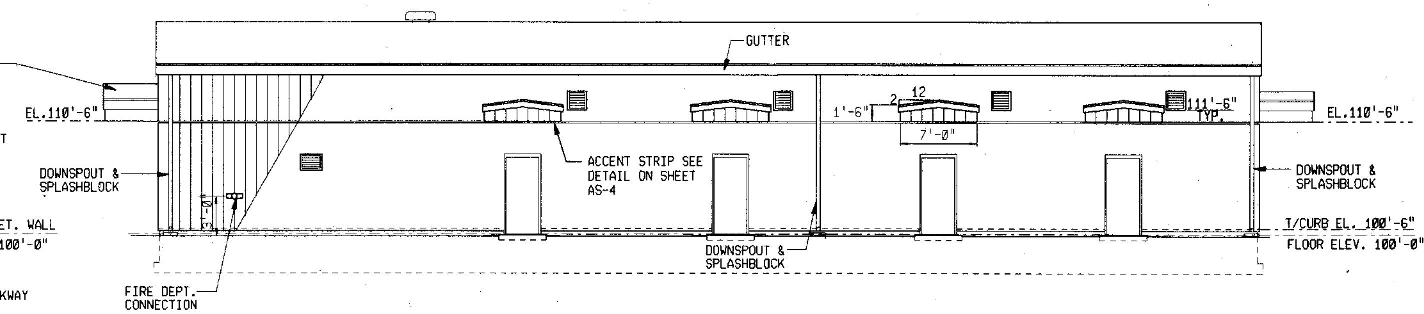
NORTH ELEVATION
1/8"=1'-0"



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



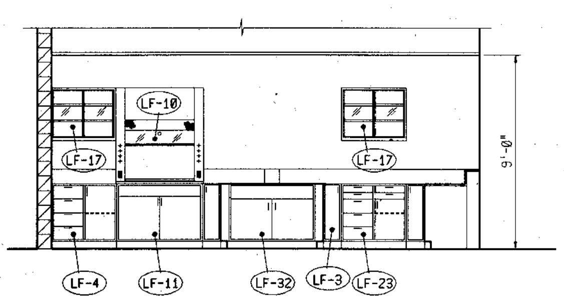
SOUTH ELEVATION
1/8"=1'-0"



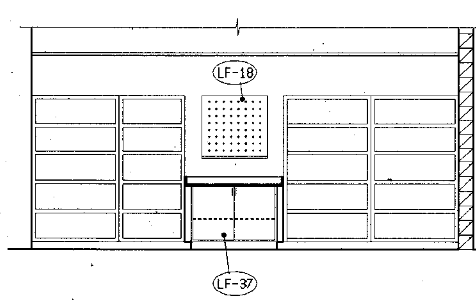
WEST ELEVATION
1/8"=1'-0"

RECORD DRAWING

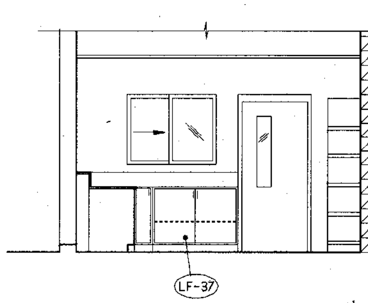
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
   CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLB
   DATE: 6-27-89
4. CHECKED BY: TAC
   DATE: 7-24-89



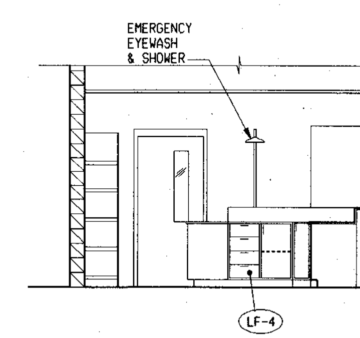
ELEVATION 1



ELEVATION 2



ELEVATION 3



ELEVATION 4

LAB CABINET ELEVATIONS
1/4"=1'-0"

STATE OF ALASKA — 49th — FRANKLIN P. KISHNER No. A7482 — REGISTERED PROFESSIONAL ARCHITECT — 2/8/88

BUILDING ELEVATIONS

Scale	AS SHOWN
Date	2/5/88
Designer	FPK
Drafter	AHK
Checker	FPK
Approver	KEH

No.	Revisions	By	Date
A	AS BUILT PER CONTRACTOR'S REDLINE DWGS	GLB	6-27-89

Donohue Engineers & Architects
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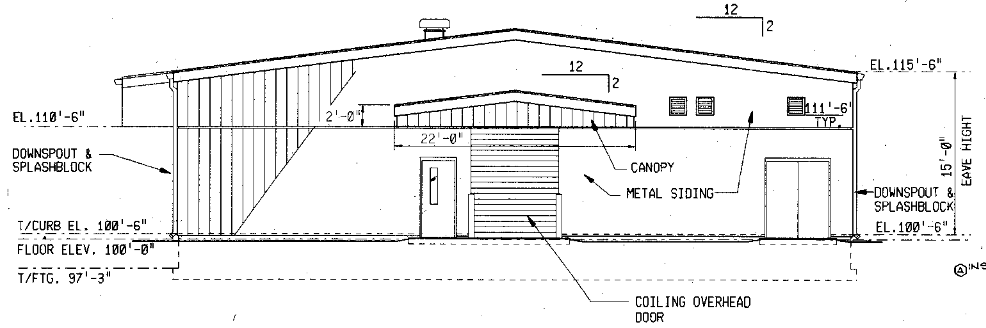
DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 12
File No. A-50873
Project No. 15286

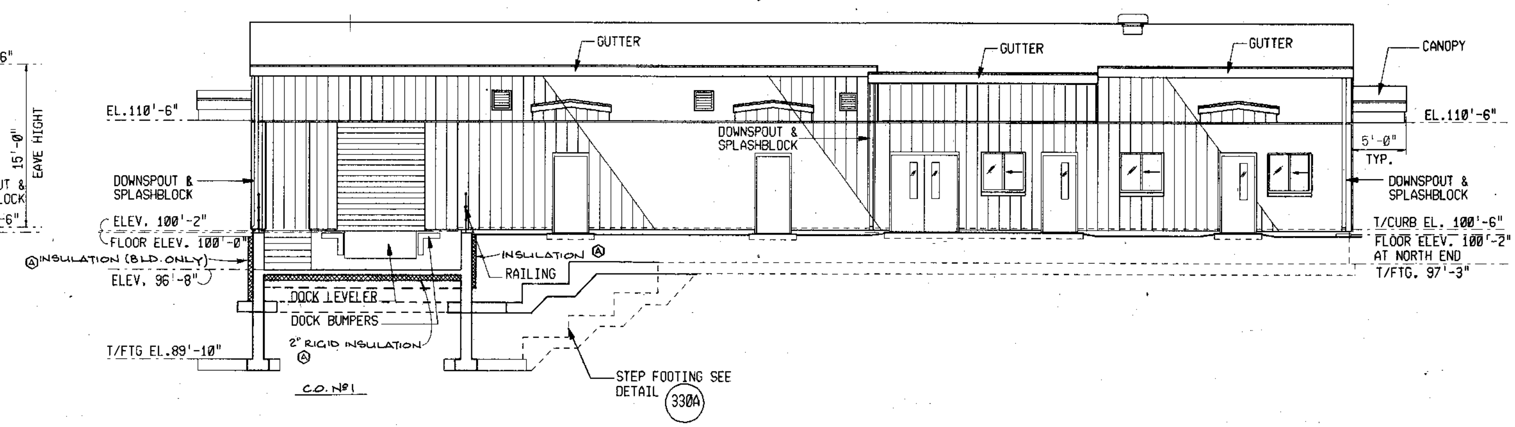
AS-3
Drawing No.

DESIGN FILE ELEV.ARC 221-20



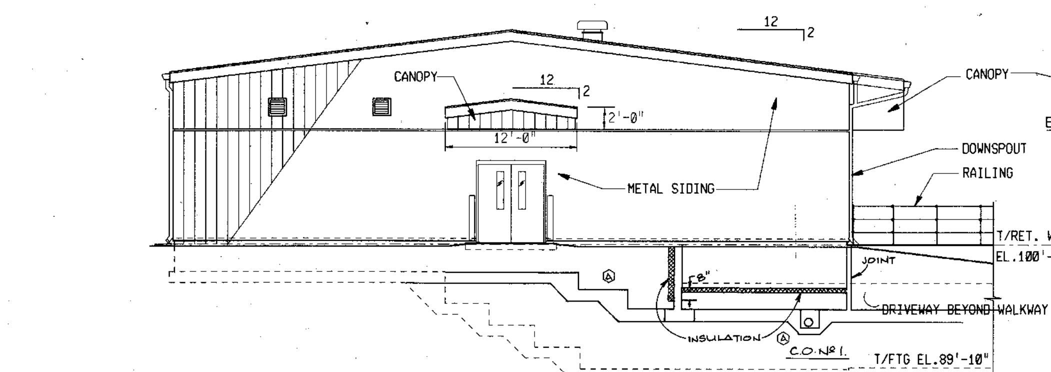
NORTH ELEVATION

1/8"=1'-0"



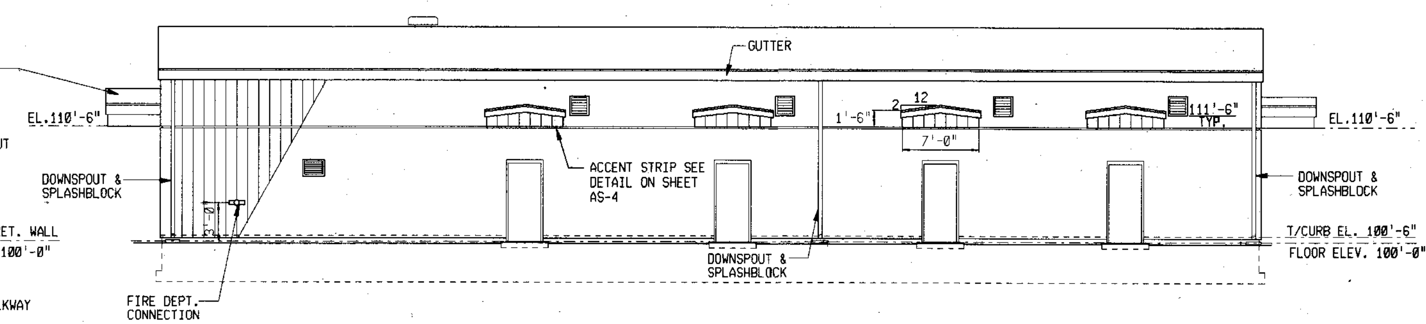
EAST ELEVATION

1/8"=1'-0"



SOUTH ELEVATION

1/8"=1'-0"

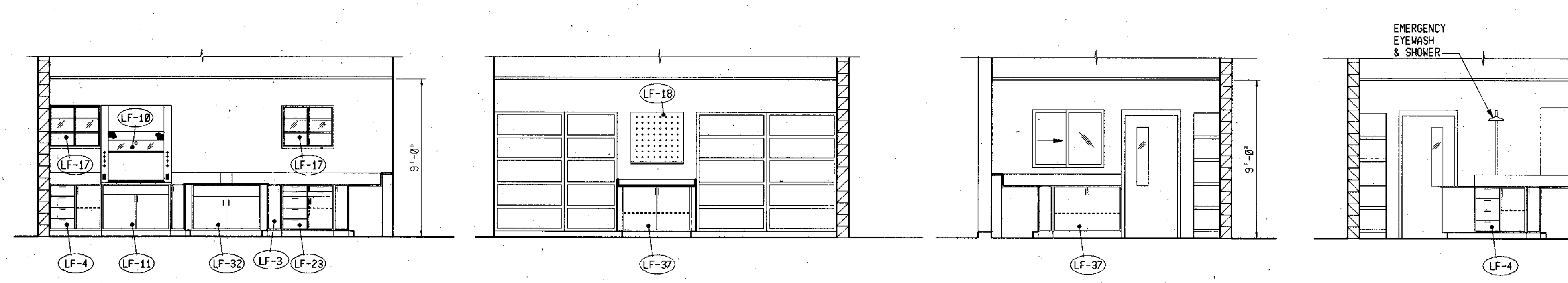


WEST ELEVATION

1/8"=1'-0"

RECORD DRAWING

1. INFORMATION OBTAINED FROM:
2. CONTRACTOR:
   CONSTRUCTION PERIOD:
3. DRAWING REVISIONS BY:
   DATE:
4. CHECKED BY:
   DATE:



ELEVATION 1 ELEVATION 2 ELEVATION 3 ELEVATION 4

LAB CABINET ELEVATIONS

1/4"=1'-0"

STATE OF ALASKA
49th
FRANKLIN P. KUSHNER
No.A7482
REGISTERED PROFESSIONAL ARCHITECT

BUILDING ELEVATIONS

Scale	AS SHOWN
Date	2/5/88
Designer	FPK
Drafter	AHK
Checker	FPK
Approver	KEH

No. | Revisions | By | Date

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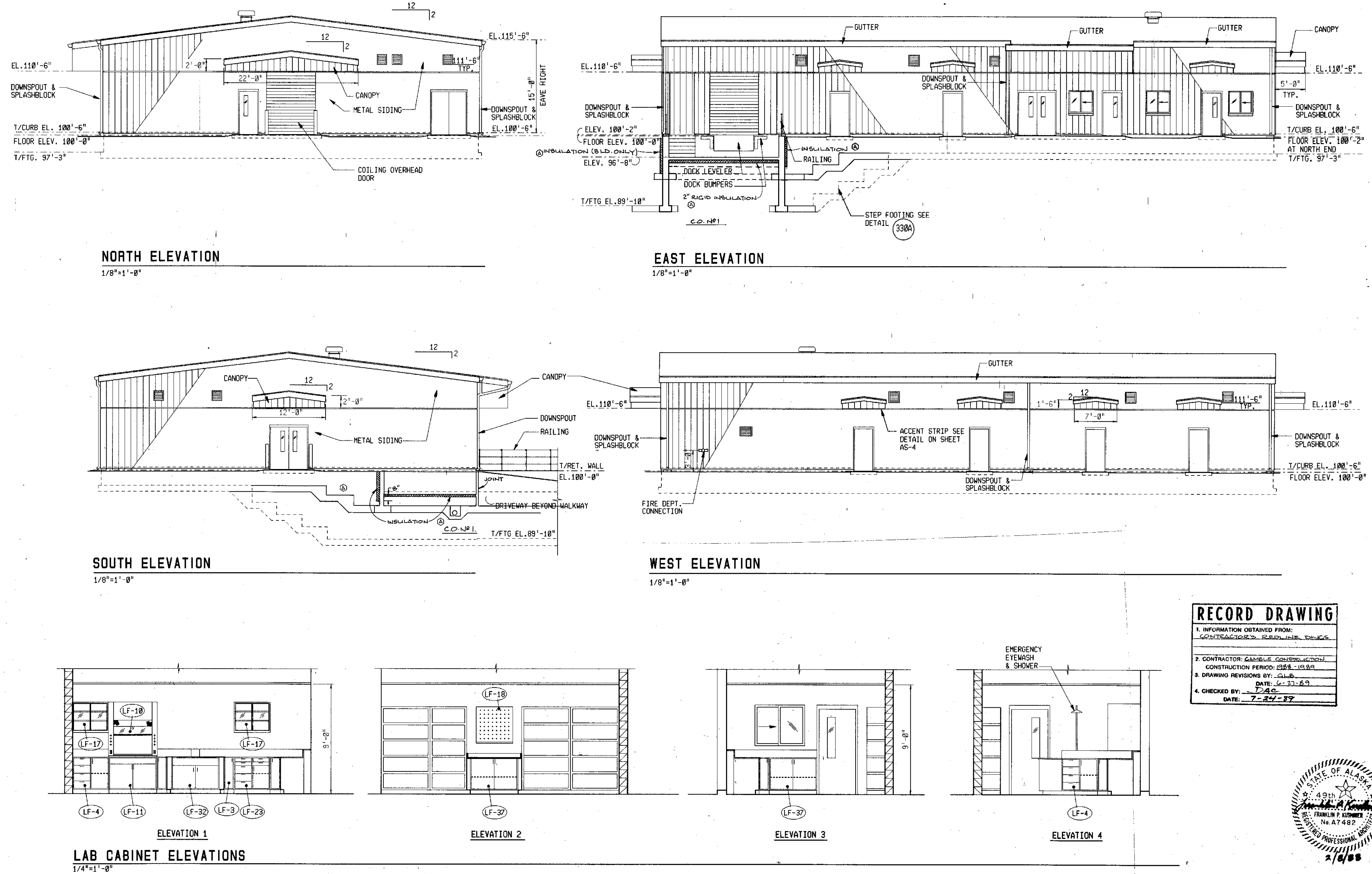
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 12
File No. A-50873
Project No. 15286

AS-3
Drawing No.

DESIGN FILE ELEV.ARC 221-20



RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS.
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLB DATE: 6-27-89
4. CHECKED BY: DAC DATE: 7-24-89

STATE OF ALASKA 49th FRANKLIN P. KUSHNER No. A7482 REGISTERED PROFESSIONAL ARCHITECT 2/8/88

BUILDING ELEVATIONS

Scale	AS SHOWN
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Designer	FPK
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No.	Revisions	By	Date
Ⓐ	AS-BUILT PER CONTRACTOR'S REDLINE DWGS.	DAC	6-27-89

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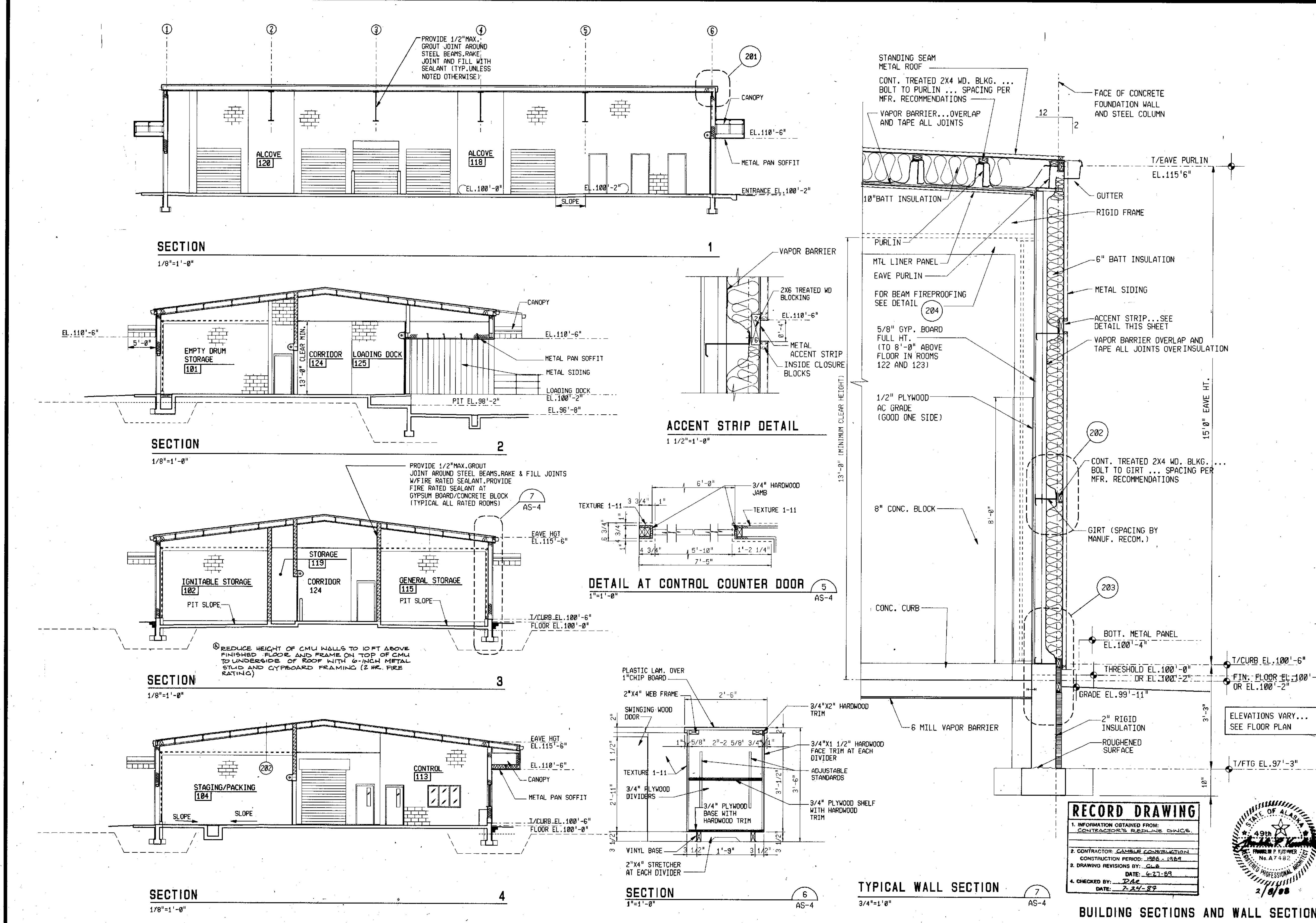
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 12
File No. A-50873
Project No. 15286
AS-3
Drawing No.

DESIGN FILE ELEV.ARC 221-20

221-20



RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS.
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: CLB
DATE: 6-27-89
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DATE: 7-24-89

STATE OF ALASKA 49th FRANKLIN P. KUSHNER No. A7482 REGISTERED PROFESSIONAL ARCHITECT 2/8/88

Scale: AS SHOWN
Date: 2/5/88
Designer: FPK
Drafter: AHK
Checker: FPK
Approver: KEH

No.	Revisions	By	Date
A	AS-BUILT PER CONTRACTOR'S REDLINE DWGS	DAC	6-27-89

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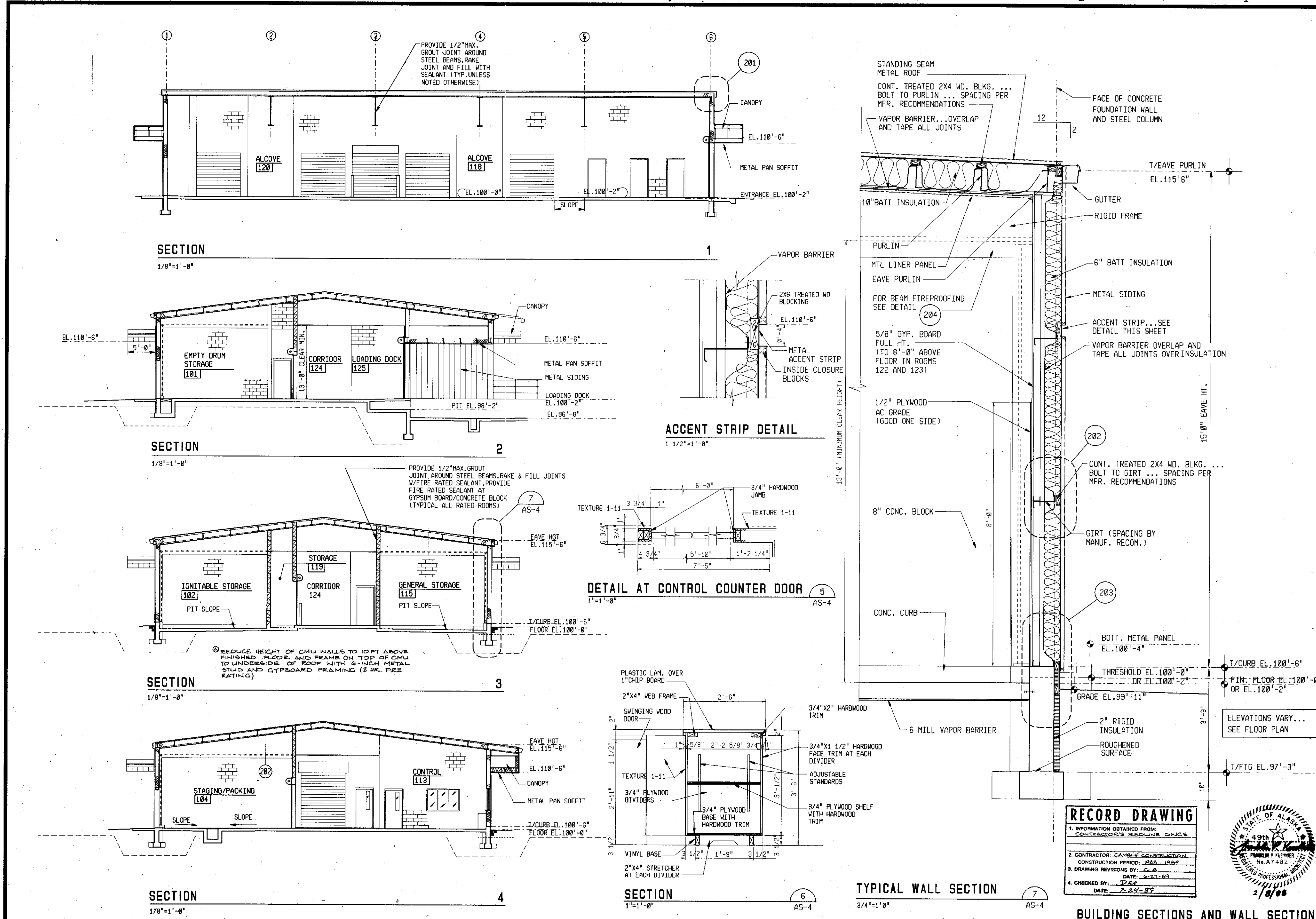
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 13
File No. A-50872
Project No. 15286

BUILDING SECTIONS AND WALL SECTION

AS-4
Drawing No.

DESIGN FILE SEC1. 221-19 .ARC;1



RECORD DRAWING

1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: CLB DATE: 6-27-89
4. CHECKED BY: DAE DATE: 7-24-89

BUILDING SECTIONS AND WALL SECTION

Scale	AS SHOWN
Date	2/5/88
Designer	FPK
Drafter	AHK
Checker	FPK
Approver	KEH

Revisions: A AS-BUILT PER CONTRACTOR'S REDLINE DWGS. — DAE 6-27-89

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CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
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ANCHORAGE, ALASKA

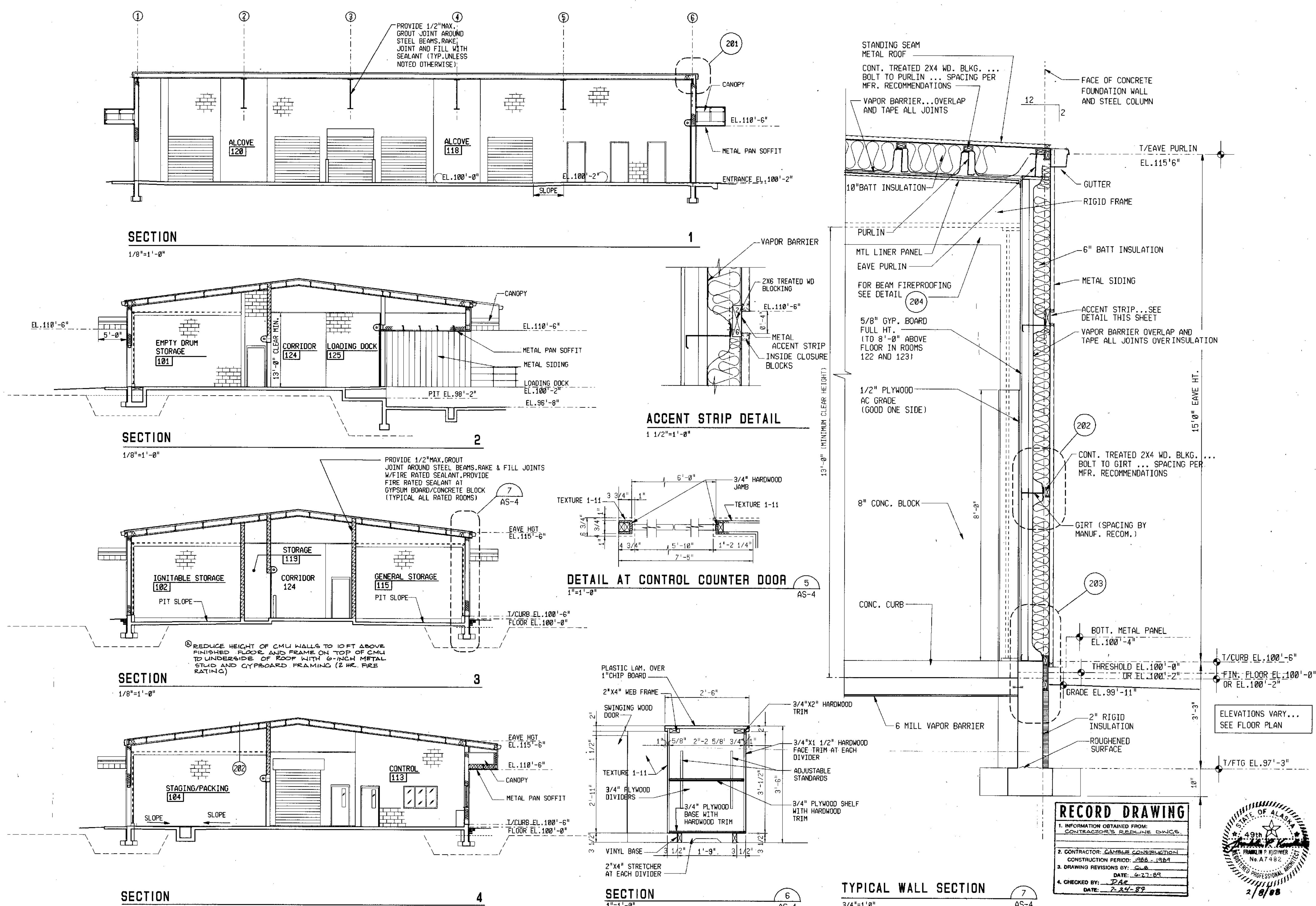
Sheet No. 13
File No. A-50872
Project No. 15286

AS-4

Drawing No. 221-19

DESIGN FILE SEC1. .ARC;1

221-19



RECORD DRAWING

1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS.
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: GLB DATE: 6-27-89
4. CHECKED BY: DAE DATE: 7-24-89

STATE OF ALASKA — 49th — FRANKLIN P. KUSHNER No. A7482 — REGISTERED PROFESSIONAL ARCHITECT — 2/8/88

BUILDING SECTIONS AND WALL SECTION

No.	Revisions	By	Date
①	AS-BUILT PER CONTRACTOR'S REDLINE DWGS.	DAE	6-27-89

Scale	AS SHOWN
Date	2/5/88
Designer	FPK
Drafter	AHK
Checker	FPK
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ANCHORAGE, ALASKA

Sheet No. 13
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AS-4
Drawing No. 221-19

DESIGN FILE SEC1. .ARC;1

221-18

DOOR SCHEDULE

DOOR NO.	DOOR SIZE W X H X THK.	DOOR TYPE	DOOR MATERIAL	GRILL W X H	FRAME TYPE	FRAME MATERIAL	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	HWD GROUP	NAME PLATES	LABEL (DOOR & FRAME)	LINTEL
101	2-3'-0"X7'-0"X1 3/4"	(2) D-1	GHM-I	–	F-1	GHM	217	217	217	1	1	-	(1)
102	3'-0"X7'-0"X1 3/4"	D-2	GHM-I	–	F-1	GHM	217	217	217	2	_	-	(1)
103	3'-0"X7'-0"X1 3/4"	D-2	GHM-I	–	F-1	GHM	217	217	217	2	_	-	(1)
104	3'-0"X7'-0"X1 3/4"	D-2	GHM-I	–	F-1	GHM	217	217	217	2	_	-	(1)
105	3'-0"X7'-0"X1 3/4"	D-2	GHM-I	–	F-1	GHM	217	217	217	2	_	-	(1)
106	2-2'-10"X7'-0"X1 3/4"	D-2	GHM-I	–	F-1	GHM	217	217	217	1	_	-	(1)
107	8'-0"X10'0"X1 3/4"	(5) D-3	STL-I	–	(1)	STL	210	210	210	-	_	-	(1)
108	3'-0"X7'-0"X1 3/4"	(2) D-1	GHM-I	–	F-1	GHM	217	217	217	4	1	-	(1)
109	3'-0"X7'-0"X1 3/4"	(2) D-1	GHM-I	–	F-1	GHM	217	217	217	5	1	-	(1)
110	3'-0"X7'-0"X1 3/4"	(2) D-1	GHM-I	–	F-1	GHM	217	217	217	5	1	-	(1)
111	2-3'-0"X7'-0"X1 3/4"	(2) D-1	GHM-I	–	F-1	GHM	217	217	217	6	1	-	(1)
112	3'-0"X7'-0"X1 3/4"	D-2	GHM-I	–	F-1	GHM	217	217	217	2	_	-	(1)
113	3'-0"X7'-0"X1 3/4"	D-2	GHM-I	–	F-1	GHM	217	217	217	2	_	-	(1)
114	8'-0"X10'0"X1 3/4"	D-3	STL-I	–	(1)	GHM	210	210	210	-	_	-	(1)
115	3'-0"X7'-0"X1 3/4"	(2) D-1	GHM-I	–	F-1	GHM	217	217	217	4	1	-	(1)
116	8'-0"X8'-0"X3/4"	D-3	STL	–	–	STL	211	211	211	-	_	B	L-2 (3)
117	8'-0"X8'-0"X3/4"	D-3	STL	–	–	STL	211	211	211	-	_	B	L-2 (3)
118	8'-0"X8'-0"X3/4"	D-3	STL	–	–	STL	211	211	211	-	_	B	L-2 (3)
119	3'-0"X7'-0"X1 3/4"	D-2	GHM	–	F-1	GHM	213	213	213	7	_	B	L-1 (3)
120	3'-0"X7'-0"X1 3/4"	D-2	GHM	–	F-1	GHM	213	213	213	7	_	B	L-1 (3)
121	8'-0"X8'-0"X3/4"	D-3	STL	–	–	STL	211	211	211	-	_	B	L-2 (3)
122	8'-4"X8'-0"X3/4"	D-3	STL	–	–	STL	211	211	211	-	_	B	L-2 (3)
123	8'-0"X8'-0"X3/4"	D-3	STL	–	–	STL	211	211	211	-	_	B	L-2 (3)
124	3'-0"X7'-0"X1 3/4"	D-2	GHM	–	F-1	GHM	213	213	213	7	_	B	L-1 (3)
125	3'-0"X7'-0"X1 3/4"	D-2	GHM	–	F-1	GHM	213	213	213	7	_	B	L-1 (3)
126	8'-0"X8'-0"X3/4"	D-3	STL	–		STL	211	211	211	-	_	B	L-2 (3)
127	3'-0"X7'-0"X1 3/4"	D-2	GHM	12"X12"	F-2	GHM	213	213	213	8	2	-	L-1 (3)
128	2'-8"X7'-0"X1 3/4"	D-2	GHM	–	F-2	GHM	213	213	213	9	3	-	L-1 (3)
129	2'-8"X7'-0"X1 3/4"	D-2	GHM	12"X12"	F-2	GHM	213	213	213	8	4	-	L-3 (3)
130	2'-8"X7'-0"X1 3/4"	D-2	GHM	–	F-2	GHM	213	213	213	8	4	-	L-3 (3)
131	3'-0"X7'-0"X1 3/4"	D-2	GHM	12"X12"	F-2	GHM	213	213	213	8	5	-	L-1 (3)
132	3'-0"X7'-0"X1 3/4"	(4) D-1	GHM	–	F-2	GHM	213	213	213	10	6	-	L-1 (3)
133	3'-0"X7'-0"X1 3/4"	(4) D-1	GHM	–	F-1	GHM	213	213	213	10	7	-	L-1 (3)
134	2-3'-0"X2'-11"X1 3/8"	D-5	WOOD	–	–	WOOD	5/AS-4	5/AS-4	5/AS-4	11	8	-	-
135	8'-0"X8'-0"X3/4"	D-3	STL	–	–	STL	211	211	211	-	_	B	L-2 (3)
136	3'-0"X7'-0"X1 3/4"	D-2	GHM	–	F-1	GHM	213	213	213	7	_	B	L-1 (3)
137	3'-0"X7'-0"X1 3/4"	D-2	GHM	–	F-1	GHM	213	213	213	7	_	B	L-1 (3)
138	8'-0"X8'-0"X3/4"	D-3	STL	–	–	STL	211	211	211	-	_	B	L-2 (3)
139	3'-10"X8'-0"	D-4	STL	–	–	STL				-	_	-	L-1 (3)

DOOR SCHEDULE NOTES

ABBREVIATIONS

- AL ALUMINUM
- GHM GALVANIZED HOLLOW METAL
- GHM-I GALVANIZED HOLLOW METAL-INSULATED
- HM HOLLOW METAL
- STL STEEL
- STL-I STEEL-INSULATED

◯ FOOTNOTES

1. FRAMING BY PRE ENGINEERED BUILDING SUPPLIER
2. 1" TEMPERED INSULATING GLASS
3. SEE STRUCTURAL LINTEL SCHEDULE
4. 1/4" TEMPERED GLASS
5. ELECTRIC OPERATED

GENERAL NOTES

NAME PLATES

1. NO SMOKING
2. LOCKER ROOM
3. TOILET
4. MUD ROOM
5. STORAGE
6. LAB
7. OFFICE
8. AUTHORIZED PERSONNEL ONLY

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING FINISH	CEILING HGT.	ROOM ENVIRONMENT (1)	DOOR, TRIM OR CASEWORK
101	EMPTY DRUM STORAGE	A/1	A/1, B/1	B/1, C/1, D/1 (1)	-/-, E/-	VARIES	NORMAL	F/1, G/1
102	IGNITABLE STORAGE	A/1	A/1, B/1	B/1, C/1, D/1 (1)	-/-, E/-	VARIES	NORMAL	F/1, G/1
103	IGNITABLE STORAGE	A/1	A/1, B/1	B/1, C/1, D/1 (1)	-/-, E/-	VARIES	NORMAL	F/1, G/1
104	STAGING / PACKING	A/1	A/1, B/1	B/1, C/1, D/1 (1)	-/-, E/-	VARIES	NORMAL	F/1, G/1
105	MECHANICAL ROOM	A/2	A/2, B/1	B/1, C/1 (1)	-/-, E/-	VARIES	NORMAL	F/1, 1
106	SHOWER	A/3	B/3, 3	B/1, 1 (1)	-/-	8'-0"	MOIST	
107	LOCKER ROOM	A/3	B/3, 3	B/1, 4 (1)	-/4	8'-0"	MOIST	F/1
108	MUD ROOM	A/3	B/1, 6	B/1	-/4	8'-0"	MOIST	F/1
109	STORAGE ROOM	A/2	A/1, B/6	B/1, C/1	-/5	8'-0"	NORMAL	F/1
110	TOILET ROOM	A/3	B/3, 3	B/1	-/4	8'-0"	NORMAL	F/1
111	LAB	A/2	C/6, B/6	B/1, C/1	-/5	9'-0"	NORMAL	F/1
112	OFFICE STORAGE/BREAK ROOM	A/6	C/6, B/6	B/1, C/1	-/5	8'-0"	NORMAL	F/1
113	CONTROL	A/1	C/1, B/1	B/1, C/1 (1)	-/-, E	VARIES	NORMAL	F/1, G/1
114	CORROSIVES (ALKALI / ACIDS) STORAGE	A/1	A/1, 1	B/1, C/1, D/1 (1)	-/-, E	VARIES	NORMAL	F/1, G/1
115	GENERAL STORAGE	A/1	A/1, 1	B/1, C/1, D/1 (1)	-/-, E	VARIES	NORMAL	F/1, G/1
116	STORAGE	A/1	B/1, 1	B/1 (1)	-/-, E	VARIES	NORMAL	F/1, G/1
117	ALCOVE	A/1	B/1, 1	B/1	E	VARIES	NORMAL	F/1, G/1
118	ALCOVE	A/1	B/1, 1	B/1	E	VARIES	NORMAL	F/1, G/1
119	STORAGE	A/1	B/1, 1	B/1	E	VARIES	NORMAL	F/1
120	ALCOVE	A/1	B/1, 1	B/1	E	VARIES	NORMAL	F/1, G/1
121	EYE WASH / SHOWER	A/1	A/1, B/1	B/1, C/1	E	VARIES	MOIST	F/1
122	REACTANTS	A/1	A/1, 1	B/1, C/1, D/1 (2)	E	VARIES	NORMAL	G/1
123	OXIDIZERS	A/1	A/1, 1	B/1, C/1, D/1 (2)	E	VARIES	NORMAL	G/1
124	CORRIDOR	A/1	A/1, B/1	B/1, C/1, D/1	E	VARIES	NORMAL	F/1, G/1
125	LOADING DOCK	A/1	A/1, B/1	B/1, C/1, D/1	E	VARIES	NORMAL	F/1, G/1

ROOM FINISH NOTES AND SYMBOLS

SYMBOLS

- LETTER IN UPPER CORNER DENOTES SUBSTRATE
- NUMBER IN LOWER CORNER DENOTES MATERIAL OR FINISH
- NUMBER IN CIRCLE DENOTES FOOTNOTE

GENERAL NOTES

1. ALL DEPRESSED AREAS IN STORAGE ROOMS REQUIRE A COATING

◯ FOOTNOTES

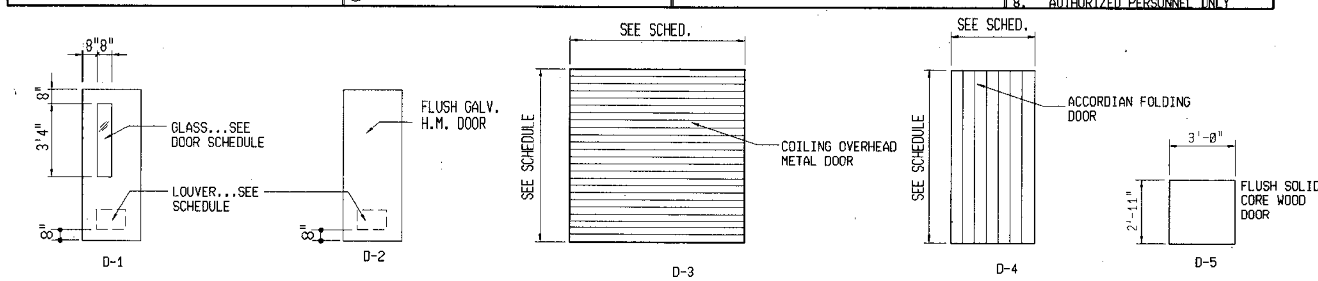
1. FOR USE WITH PAINT AND COATING SCHEDULE IN SPECIFICATIONS
2. OMIT GYP. BOARD ON WALLS ABOVE 8'-0"

SUBSTRATE

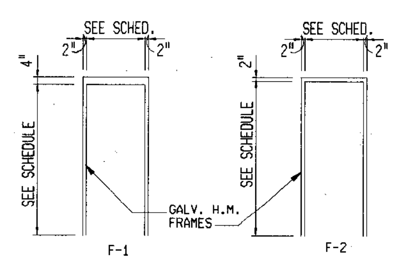
- A- CONCRETE
- B- CONCRETE BLOCK
- C- GYPSUM BOARD ON METAL STUDS
- D- PLYWOOD 8'HIGH OVER GYP. BD.
- E- METAL LINER PANEL(PREFINISHED)
- F- HOLLOW METAL
- G- STL. DOORS, GUARDS, DUCTWORK

MATERIAL OR FINISH

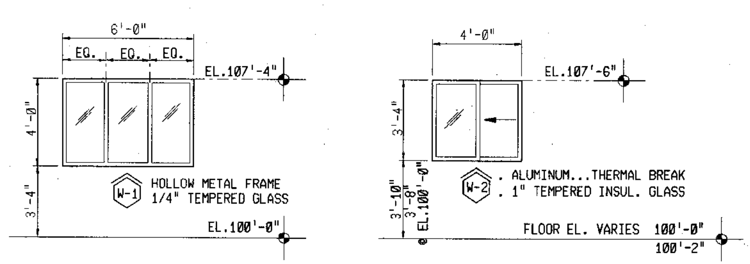
1. COATING
2. SEALER
3. CERAMIC TILE
4. SUSPENDED VINYL-COATED GYP. BOARD, LAY-IN CEILING
5. SUSPENDED ACOUSTIC TILE,LAY-IN CEILING
6. VINYL
7. EPOXY COATING (A)



DOOR TYPES



FRAME TYPES



WINDOW TYPES

RECORD DRAWING

1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS.
2. CONTRACTOR: GAMBLE CONSTRUCTION
   CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLB
   DATE: 6-27-89
4. CHECKED BY: DAC
   DATE: 7-24-89

STATE OF ALASKA · 49th · FRANKLIN P. KUSHNER · No. A7482 · REGISTERED PROFESSIONAL ARCHITECT · 2/8/88

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(A)	AS-BUILT PER CONTRACTOR'S REDLINE DWGS.	DAC	6-27-89

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ANCHORAGE, ALASKA

Sheet No. 14
File No. A-50871
Project No. 15286

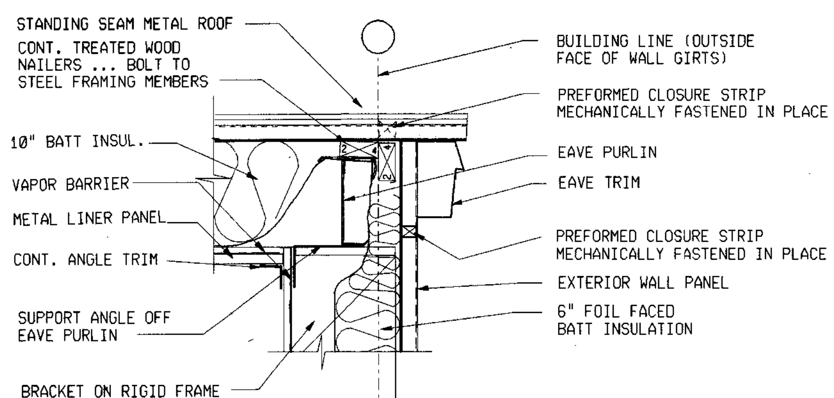
AS-5
Drawing No.

DOOR AND ROOM FINISH SCHEDULES

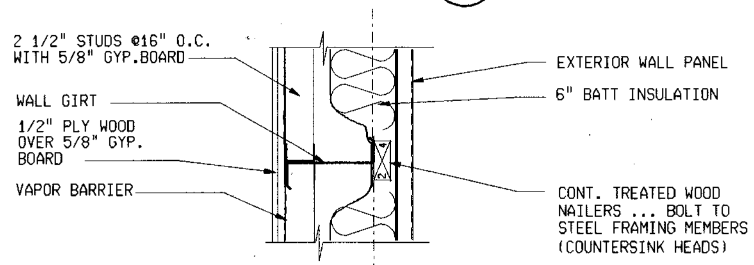
DESIGN FILE SCHED.ARC 221-18 :1

REFERENCE FILES R1=OS :E R2= R3= IBORDER.REF (LV=1-20)
WU- PLOT SCALE- PLOT NAME- (FULL SIZE)

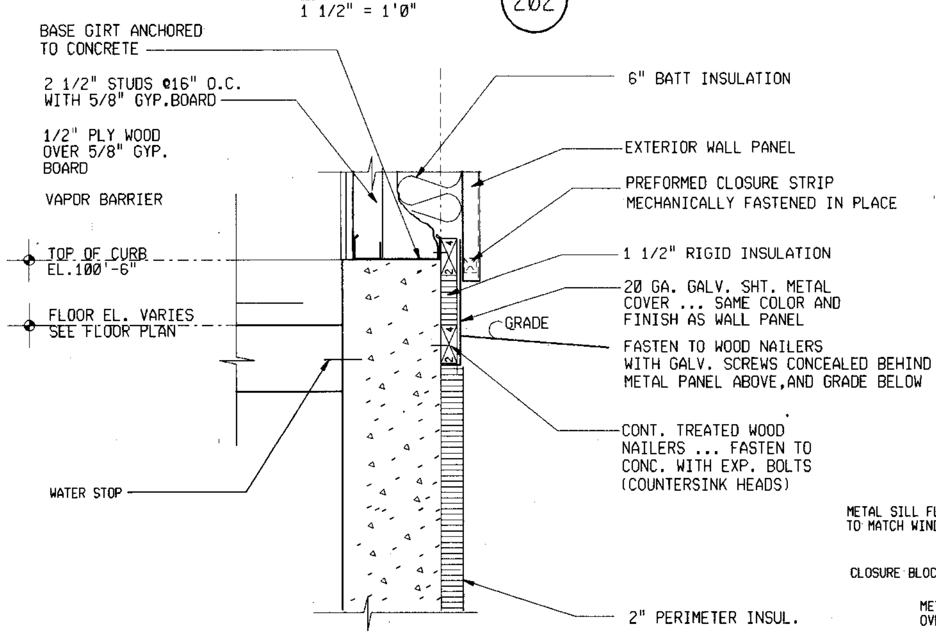
221-17



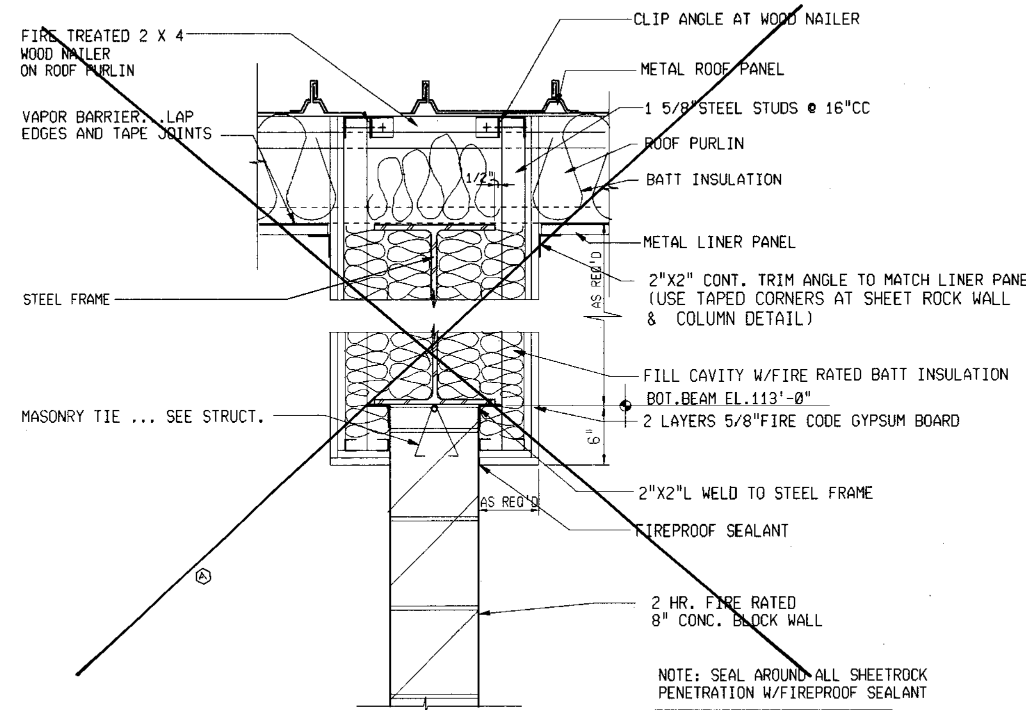
EAVE DETAIL 201
1 1/2" = 1'0"



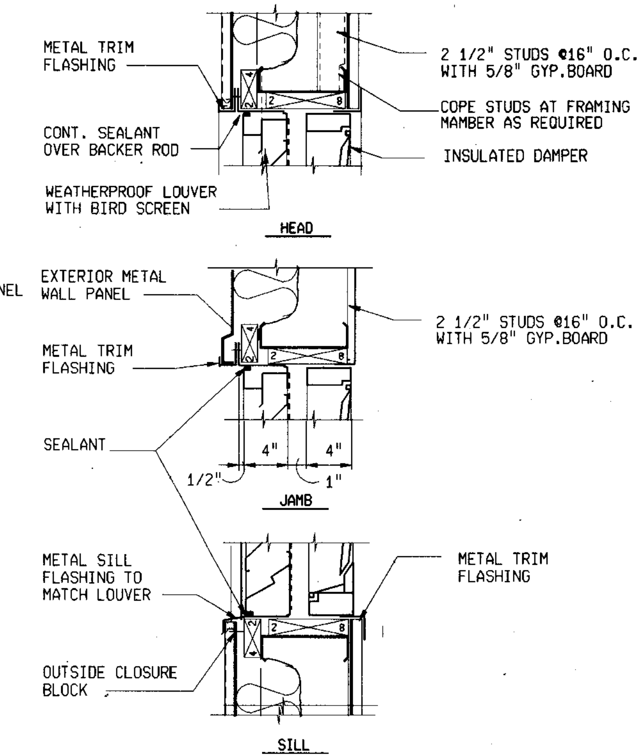
GIRT DETAIL 202
1 1/2" = 1'0"



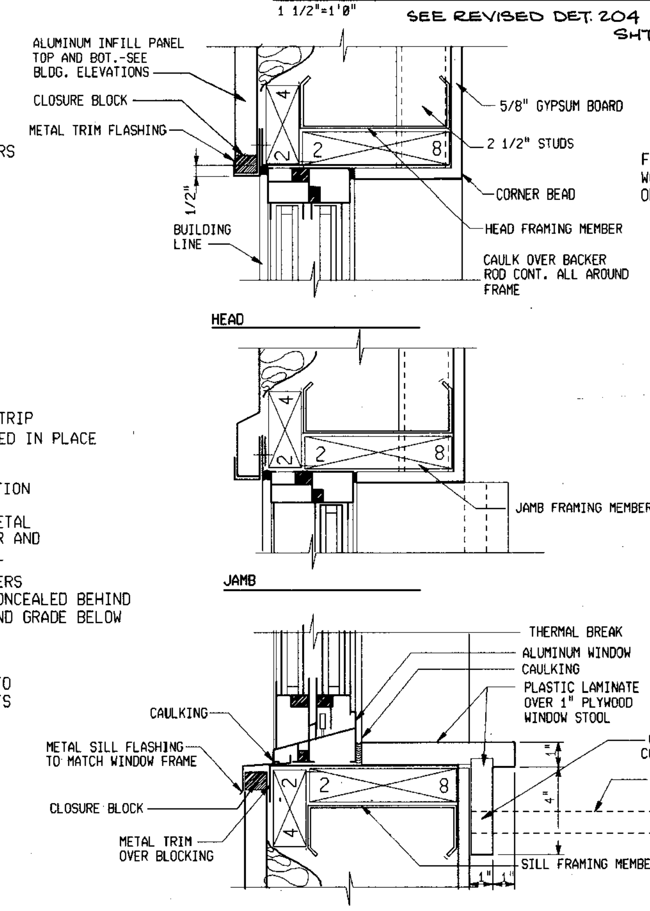
SILL DETAIL 203
1 1/2" = 1'0"



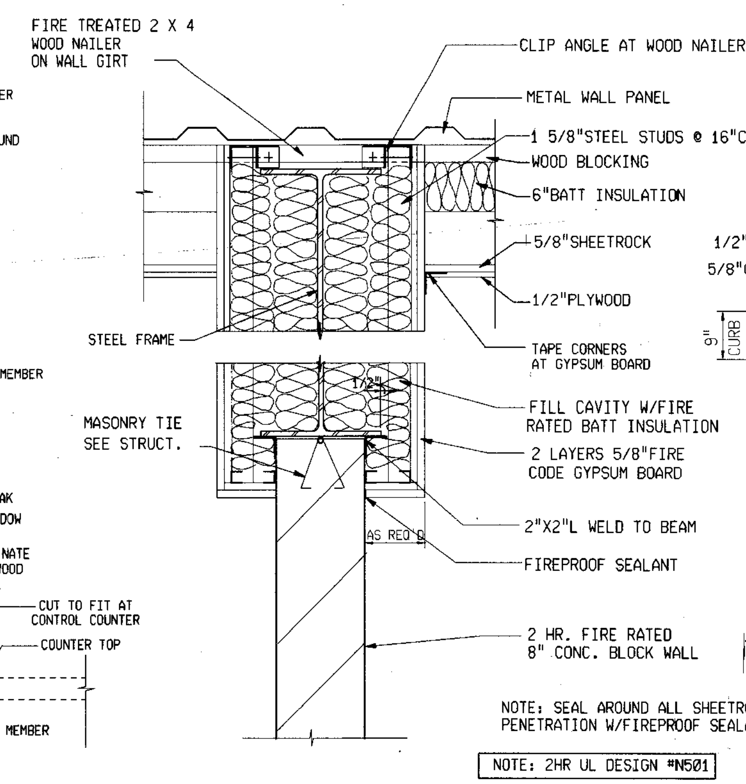
FIRE RATED CONNECTION OF ROOF TO RIGID FRAME 204
1 1/2"=1'0"
SEE REVISED DET. 204 ON SHT AS-10



LOUVER DETAIL 205
1 1/2"=1'0"

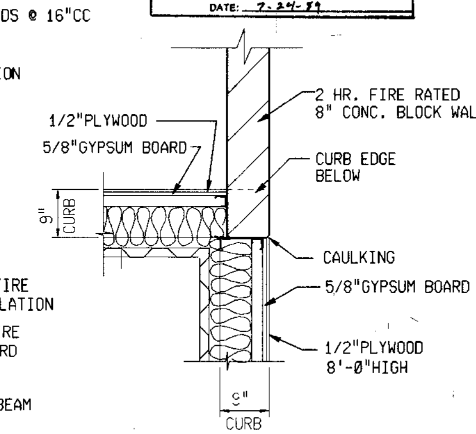


EXTERIOR WINDOW DETAIL 206
3"=1'-0"



DETAIL AT COLUMN/WALL 207
1 1/2"=1'0"

RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLB DATE: 6-27-89
4. CHECKED BY: DAC DATE: 7-24-89



WALL INTERSECTION DETAIL 208
3/4"=1'-0"

ARCHITECTURAL DETAILS

A	AS BUILT PER CONTRACTOR'S REDLINE DWGS	DAC	6-27-89
No.	Revisions	By	Date

Scale AS SHOWN
Date 2/5/88
Designer FPK
Drafter AHK
Checker FPK
Approver KEH

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

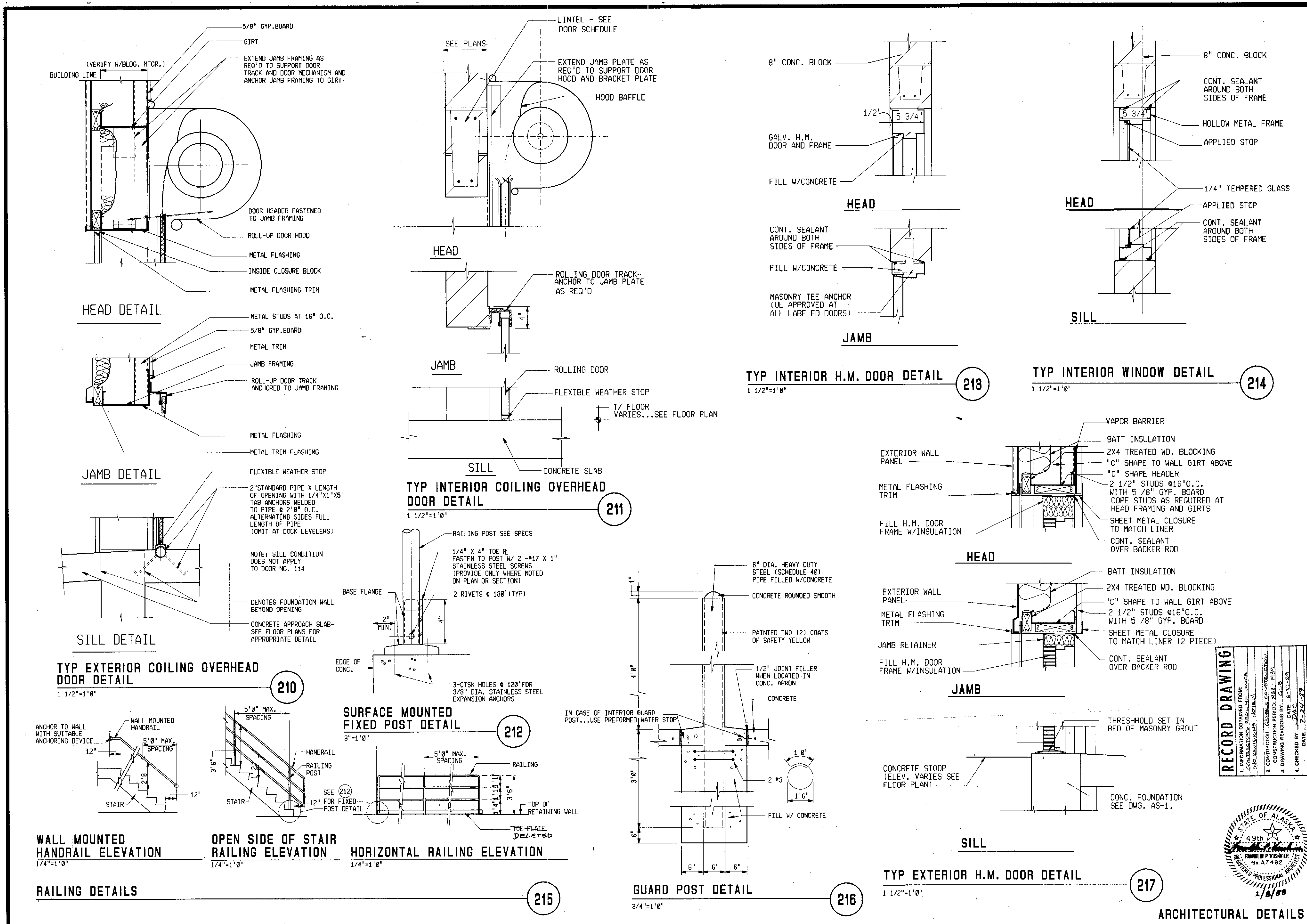
Sheet No. 15
File No. A-50870
Project No. 15286
AS-6
Drawing No.

49th STATE OF ALASKA — FRANKLIN P. KUSHNER No. A7482 REGISTERED PROFESSIONAL ARCHITECT 1/8/88

DESIGN FILE DET2.ARC 221-17

REFERENCE FILES
PLOT SCALE- PLOT NAME- (FULL SIZE)

221-16



RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTORS RECORD DRAWINGS (NO REVISIONS NOTED)
2. CONTRACTOR: CAMPBELL CONSTRUCTION
CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: G.L.B. DATE: 6-27-89
4. CHECKED BY: DAC DATE: 7-24-89

STATE OF ALASKA
49th
FRANKLIN P. KUSHNER
No. A7482
REGISTERED PROFESSIONAL ARCHITECT
1/8/88

ARCHITECTURAL DETAILS

No.	Revisions	By	Date
	NO AS-BUILT REVISIONS	DAC	6-27-89

Scale	AS SHOWN
Date	2/5/88
Designer	FPK
Drafter	AHK
Checker	FPK
Approver	KEH

Donohue
Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

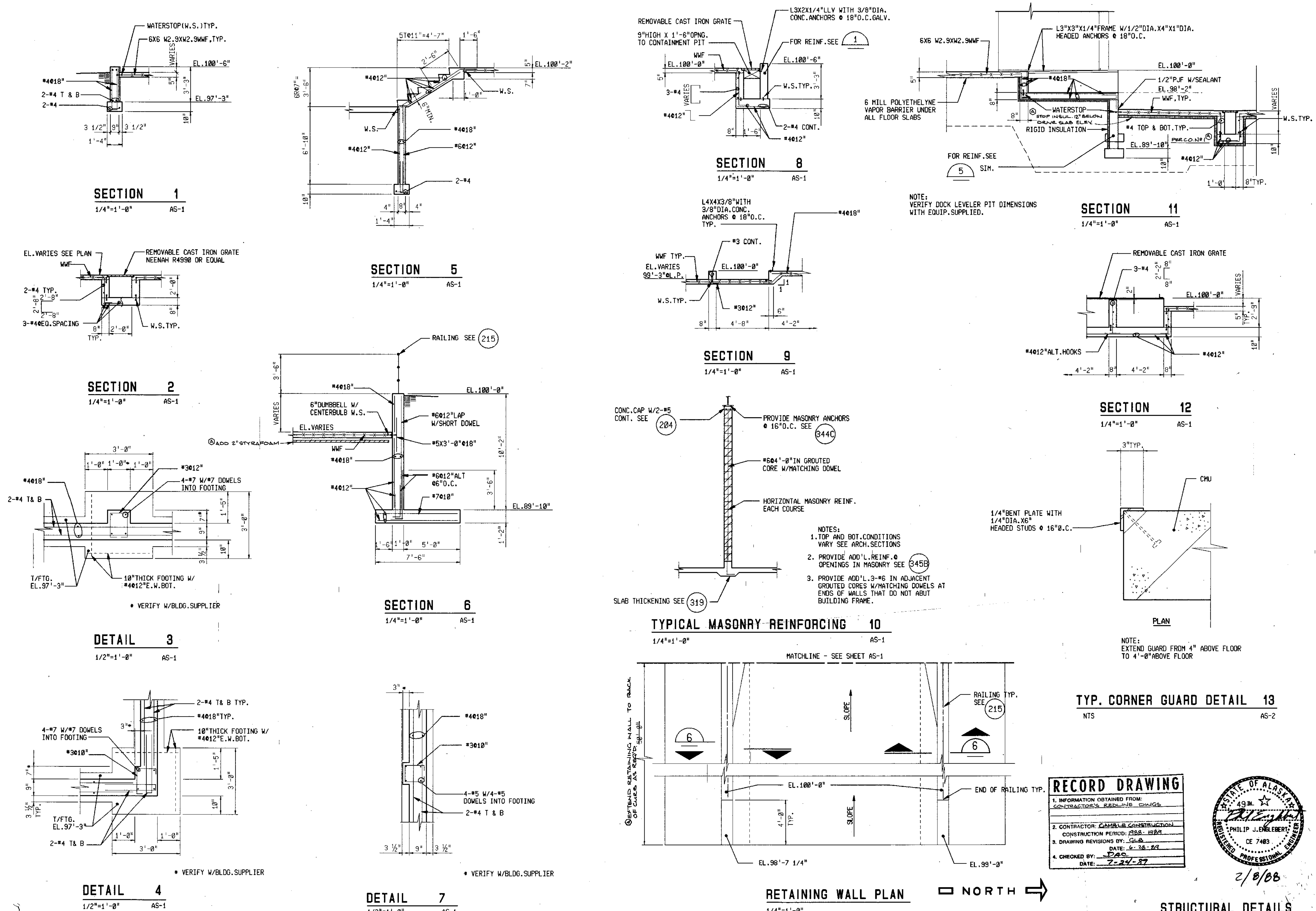
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 16
File No. A-50869
Project No. 15286
AS-7
Drawing No.

DESIGN FILE DET3.ARC 221-16

REFERENCE FILES R1=GS 1(R2= R3= 3BORDER.REF (LV=11-20)
WU- PLOT SCALE- PLOT NAME- (FULL SIZE)

221-15



RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLB DATE: 6-26-89
4. CHECKED BY: DAC DATE: 7-24-89

STATE OF ALASKA — PHILIP J.ENGLEBERT — CE 7403 — REGISTERED PROFESSIONAL ENGINEER
2/8/88

STRUCTURAL DETAILS

Scale	AS SHOWN
Date	2/5/88
Designer	AJB
Drafter	VEN
Checker	DLS
Approver	PJE

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 17
File No. A-50868
Project No. 15286
AS-8
Drawing No.

DESIGN FILE DET4.STU 221-15

221-14

DESIGN CRITERIA

1. DESIGN AND CONSTRUCT IN CONFORMANCE WITH THE UNIFORM BUILDING CODE, 1985 EDITION, WITH AMENDMENTS.
2. SUPERIMPOSED DESIGN LOADS:
   - A. WIND LOAD: (100 MPH EXP.B PER UBC) — 15 PSF
   - B. SNOW LOAD (GROUND): — 50 PSF+DRIFT
   - C. SNOW LOAD (ROOF) — 40 PSF
   - D. ROOFING DEAD LOAD: — 10 PSF (ROOF SUPPORTED EQUIPMENT AND PIPING ADDITIONAL)
   - E. MECHANICAL EQUIPMENT: VERIFY WITH EQUIPMENT SUPPLIER. (SEE EQUIPMENT SCHEDULES)
   - F. STAIRS AND WALKWAYS: — 100 PSF OR 1000 LBS CONCENTRATED
   - G. FLOOR SLABS:
     1. LOADING DOCK — HS20 TRUCK
     2. OTHER AREAS — 250 PSF
   - H. SEISMIC CRITERIA
     1. Z=1.0
     2. I=1.0
     3. K=1.0

FOUNDATIONS

1. NET SOIL BEARING CAPACITIES PER GEOTECHNICAL INVESTIGATION BY: DOWL ENGINEERS — 3000 PSF
2. PLACE FOOTINGS ON UNDISTURBED EARTH OR STRUCTURAL FILL.
3. PLACE FILL SIMULTANEOUSLY ON BOTH SIDES OF FREE-STANDING STRUCTURES.
4. TO MINIMIZE LATERAL FORCES AGAINST THE STRUCTURE DUE TO WEDGING ACTION OF THE SOIL, BEGIN COMPACTION OF EACH LAYER AT THE STRUCTURE WALL.
5. PROVIDE VAPOR BARRIER BELOW SLAB.

CONCRETE

1. REINFORCING STEEL
   - A. BARS: ASTM A615-GRADE 60
   - B. WELDED WIRE FABRIC (WWF): ASTM A185
2. UNLESS OTHERWISE SHOWN PROVIDE COVER FOR REINFORCEMENT AS FOLLOWS:
   - A. CAST AGAINST EARTH: — 3 INCHES
   - B. EXPOSED TO EARTH OR WEATHER
     1. #6 THRU #18 BARS: — 2 INCHES
     2. #5 BARS AND SMALLER: — 1 1/2 INCHES
   - C. NOT EXPOSED TO EARTH OR WEATHER: — 1 INCH
3. PLACE DOWELS BEFORE PLACING CONCRETE.
4. DO NOT WELD OR FIELD BEND REINFORCING BARS.
5. CONCRETE
   - A. SLABS REINFORCED W/WWF AND WHERE NOTED: CLASS B — F'C=3000 PSI
   - B. ALL LOCATIONS EXCEPT WHERE CLASS B IS SPECIFIED: CLASS A — F'c=4000 PSI
6. PROVIDE WATERSTOP IN CONSTRUCTION JOINTS IN LOCATIONS SHOWN OR NOTED ON THE DRAWINGS.
7. UNLESS OTHERWISE NOTED, CONSTRUCTION JOINTS SHOWN ARE OPTIONAL. CONSTRUCTION JOINTS NOT SHOWN ON THE DRAWINGS ARE SUBJECT TO APPROVAL BY THE ENGINEER.
8. CONSTRUCTION JOINTS SHALL HAVE KEYS OR ROUGHENED SURFACES. WHERE ROUGHENED SURFACE IS USED, THE SURFACE SHALL HAVE AN AMPLITUDE OF 1/4" MIN.
9. PITCH ALL FLOORS TO FLOOR DRAINS & GUTTERS, MIN. 1/8"/FT. UNLESS NOTED OTHERWISE, MAINTAIN FLOOR SLAB THICKNESS AT MINIMUM INDICATED.
10. CHAMFER EXPOSED EDGES OF CONCRETE 3/4 INCH UNLESS OTHERWISE NOTED.

MASONRY

1. MASONRY OPENINGS LESS THAN 4'-0" IN WIDTH THAT DO NOT HAVE A LINTEL SCHEDULED SHALL HAVE A BOND BEAM WITH 2-#4 BARS TOP & BOT.OR DOUBLE STEEL ANGLE LINTEL WITH A TOTAL WIDTH OF HORIZONTAL LEGS APPROXIMATELY 1" LESS THAN WALL THICKNESS.
2. PROVIDE A MINIMUM OF 8" BEARING AT EACH END FOR LINTELS UNLESS NOTED OTHERWISE.
3. PROVIDE HORIZONTAL AND VERTICAL MASONRY REINFORCEMENT IN WALLS AS DETAILED.
4. BRACE MASONRY WALLS UNTIL LATERAL SUPPORT ANCHORAGE, MASONRY, BOND BEAMS AND CONC. CAPS HAVE BEEN IN PLACE A MINIMUM OF 7 DAYS.

METALS

1. STEEL
   - A. STRUCTURAL STEEL: ASTM A36
   - B. MISCELLANEOUS STEEL: ASTM A36
   - C. STEEL PIPE AND TUBE: ASTM A53, A500, OR A501
   - D. BOLTED CONNECTIONS: ASTM A325
2. WELD STRUCTUAL STEEL WITH E70 ELECTRODES IN ACCORDANCE WITH A.W.S. REQUIREMENTS.

MISCELLANEOUS

1. FOR ADDITIONAL OPENINGS, ANCHORS AND EMBEDDED ITEMS SEE ARCHITECTURAL, PLUMBING, HVAC & ELECTRICAL DRAWINGS.
2. VERIFY PERTINENT EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING CONSTRUCTION AND/OR FABRICATION.

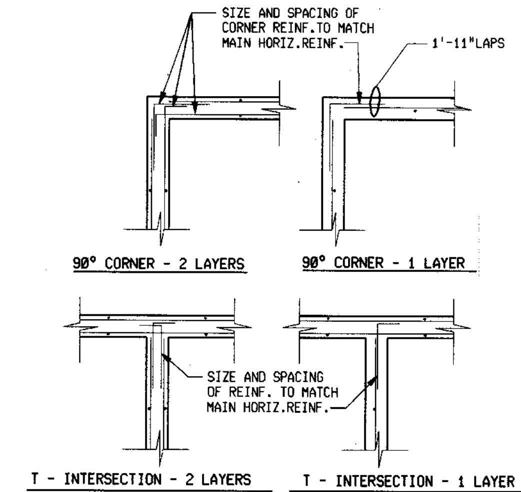
LINTEL SCHEDULE

MARK	DESCRIPTION	LOCATION	TYPE	REMARKS
L-1	8"X8"BOND BEAM WITH 2-#4 TOP & BOT.	OPENING 6'-0"WIDE OR LESS		8"BEARING EACH END
L-2	8"X16"BOND BEAM WITH 2-#4 TOP & BOT.	OPENINGS OVER 6'-0"WIDE		8"BEARING EACH END
L-3	6"X8"BOND BEAM WITH 2-#4 TOP & BOT.	OPENINGS IN 6"CMU		8"BEARING EACH END

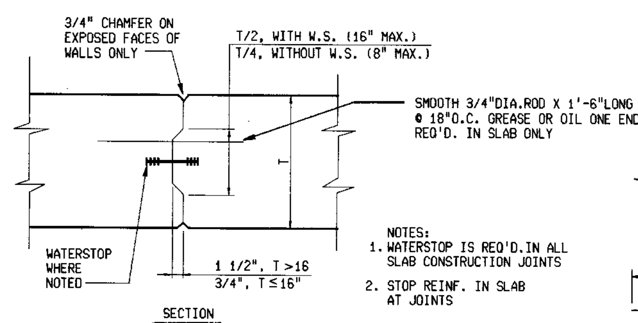
MINIMUM REINFORCEMENT BAR SPLICE AND ANCHORAGE LENGTH (INCHES) (302)

BAR SIZE	LAPPED SPLICE LENGTH		EMBEDMENT LENGTH		COMPRESSION LAP LENGTH
	TOP BARS	OTHERS	TOP BARS	OTHERS	
3	17	12	12	12	12
4	23	16	14	12	12
5	29	21	17	12	15
6	34	25	20	14	18
7	44	31	26	19	21
8	57	41	34	24	24
9	73	52	43	31	27
10	92	66	54	39	31
11	113	81	66	48	34

NOTES:
1. TOP BARS ARE HORIZONTAL BARS SO PLACED THAT MORE THAN 12" OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
2. FOR BARS SPACED LESS THAN 6" O.C., INCREASE LENGTH BY 25%.
3. WHEN LAPPING TWO DIFFERENT SIZE BARS USE THE LAP LENGTH OF THE SMALLER BAR UNLESS NOTED OTHERWISE.
4. EMBEDMENT LENGTH IS MINIMUM LENGTH OF EMBEDMENT FOR STRAIGHT DOWELS WHERE END HOOK IS NOT SHOWN, UNLESS OTHERWISE NOTED.
5. COMPRESSION LAP LENGTH FOR VERTICAL COLUMN BARS ONLY
6. HOOKS SHALL BE ACI STANDARD UNLESS OTHERWISE NOTED.

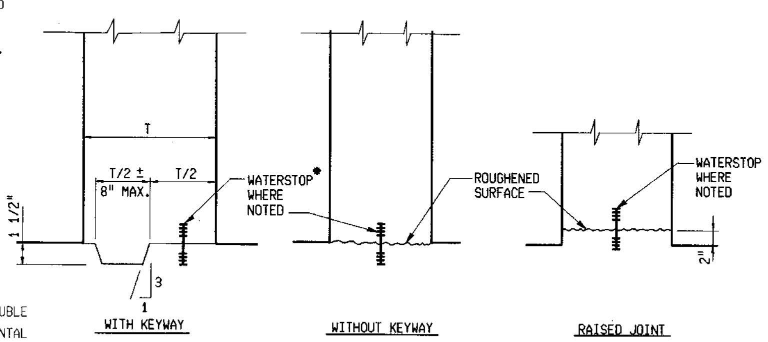


HORIZONTAL REINFORCEMENT DETAIL (307)



NOTES:
1. WATERSTOP IS REQ'D.IN ALL SLAB CONSTRUCTION JOINTS
2. STOP REINF. IN SLAB AT JOINTS

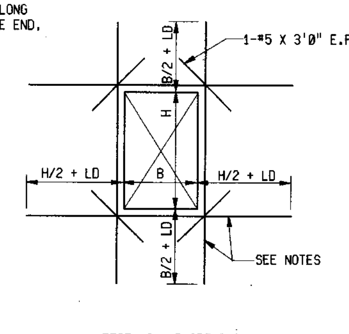
SLAB JOINT OR VERTICAL JOINT IN WALLS

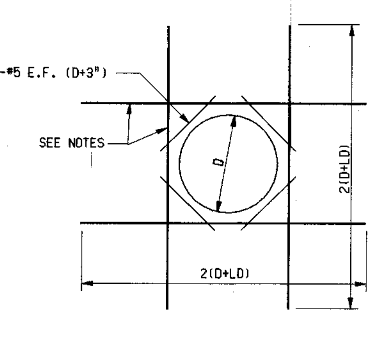


BASE OF WALL JOINT

* SLAB REINFORCEMENT TO CLEAR WATERSTOP. THICKEN SLAB OR BEND REINFORCEMENT AS REQUIRED.

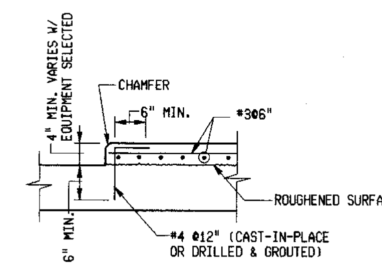
TYPICAL CONSTRUCTION JOINT DETAILS (301)





NOTES:
1. THESE DETAILS APPLY TO ALL OPENINGS IN CONCRETE WALLS AND SLABS WHEN LARGEST OPENING DIMENSION IS GREATER THAN TWO TIMES SECTION THICKNESS OR GREATER THAN REINFORCING SPACING IN THE SECTION, UNLESS OTHERWISE INDICATED IN THE DRAWINGS.
2. THE AREA OF ADDITIONAL REINFORCING REQUIRED IN EACH FACE ON EACH SIDE OF AN OPENING SHALL EQUAL OR EXCEED ONE-HALF OF THE AREA OF THE INTERCEPTED BARS IN EACH FACE, IN EACH DIRECTION, RESPECTIVELY WITH A MINIMUM OF 1-#5 BAR EACH FACE.
3. PLACE THE ADDED BARS IN THE SAME LAYERS AS THE WALL OR SLAB REINFORCING.
4. LD=EMBEDMENT LENGTH. SEE (302)

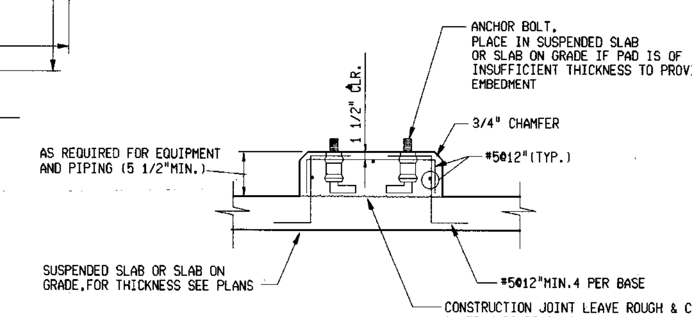
TYPICAL ADDITIONAL REINFORCEMENT AT OPENINGS IN WALLS AND SLABS (303)



EQUIPMENT PAD DETAIL (317A)

NOTES: 1. FOR EQUIPMENT PAD WITH ANCHOR BOLTS SEE (317C)

2. VERIFY PAD SIZE WITH EQUIPMENT SUPPLIED.



EQUIPMENT PAD DETAIL (317C)

VERIFY PAD SIZE WITH EQUIPMENT SUPPLIED.

RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS (NO REVISIONS NOTED)
2. CONTRACTOR: GAMBLE CONSTRUCTION
   CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLB
   DATE: 6-28-89
4. CHECKED BY: DAC
   DATE: 7-24-89

STATE OF ALASKA — 49th — PHILIP J. ENGLEBERT — CE 7403 — REGISTERED PROFESSIONAL ENGINEER
2/8/88

STRUCTURAL DETAILS

No.	Revisions	By	Date
	NO AS-BUILT REVISIONS	DAC	6-27-89

Scale	NONE
Date	2/5/88
Designer	AJB
Drafter	VEN
Checker	DLS
Approver	PJE

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

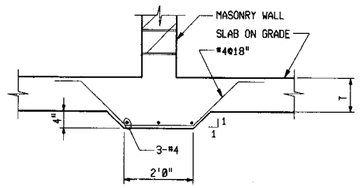
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 18
File No. A-50867
Project No. 15286
Drawing No. AS-9

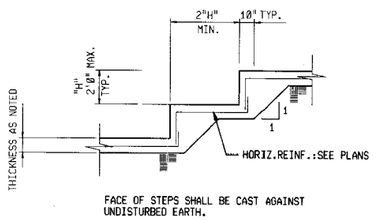
DESIGN FILE 221-14 — 99S1.STU;1

REFERENCE FILES R1=GS :C JBORDER.REF (LV=11-20) R2= R3=
WU= PLOT SCALE- PLOT NAME- (FULL SIZE)
WU= 8000 PLOT SCALE- 1:4 PLOT NAME- AS8 (FULL SIZE)

221-13

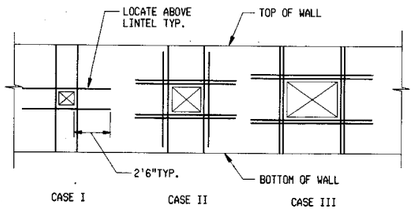


SLAB THICKENING AT INTERIOR PARTITION WALL 319



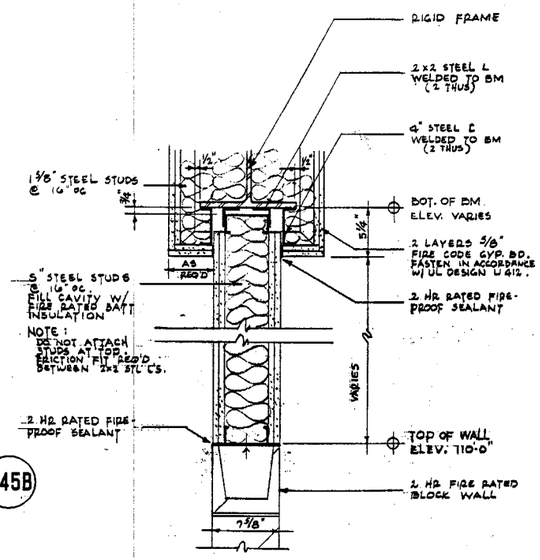
FACE OF STEPS SHALL BE CAST AGAINST UNDISTURBED EARTH.

STEPPED WALL FOOTING DETAIL 330A

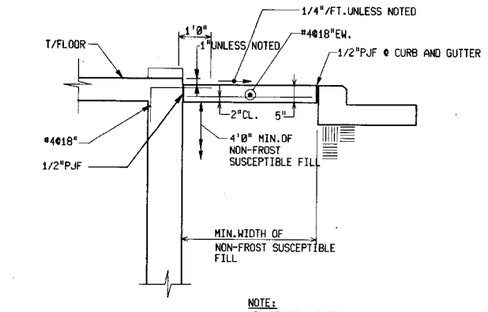


NOTES:
1. ALL REINF.SHOWN TO BE #5 BARS.
2. CASE I APPLIES TO ALL OPENINGS GREATER THAN 100 SQ.INCHES WITH LEAST DIMENSION LESS THAN 2'0".
3. CASE II APPLIES TO ALL OPENINGS WITH LEAST DIMENSION GREATER THAN OR EQUAL TO 2'0"BUT LESS THAN 4'0".
4. CASE III APPLIES TO ALL OPENINGS WITH LEAST DIMENSION GREATER THAN OR EQUAL TO 4'0".

TYPICAL ADDITIONAL MASONRY REINF. AT OPENINGS DETAIL 345B

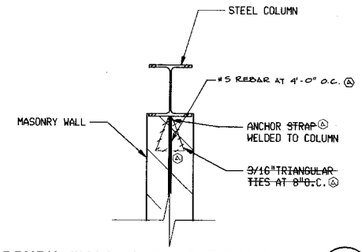


A REVISION TO DETAIL 204
STUD WALL BETWEEN MASONRY WALL AND RIGID FRAME AT STORAGE BAYS.



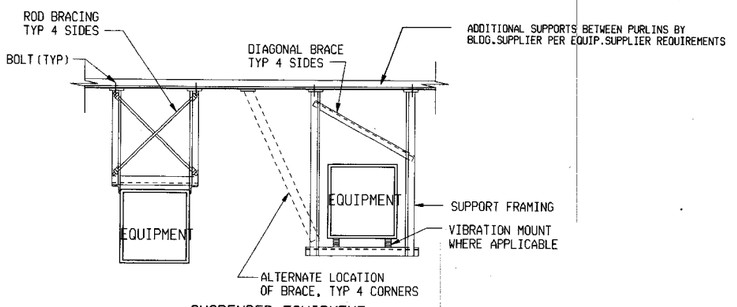
NOTE:
NON-FROST SUSCEPTIBLE FILL MUST BE KEPT CLEAN UNTIL SLAB IS POURED.

DOOR STOOP 320B



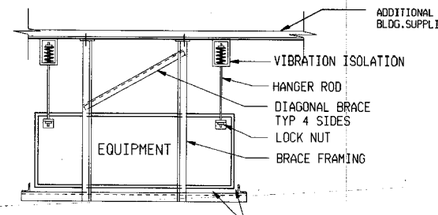
MASONRY WALL ANCHOR DETAIL 344C

NOTE: SEE PLAN FOR MASONRY CONFIGURATION



SUSPENDED EQUIPMENT

DETAIL A DETAIL B

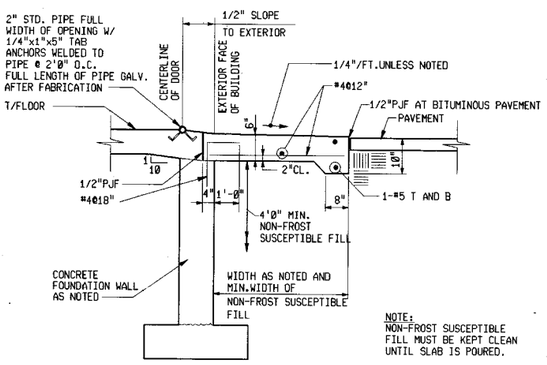


SUSPENDED EQUIPMENT W/ VIBRATION MOUNT

DETAIL C

NOTE:
CONTRACTOR TO SUBMIT CERTIFICATION OF EQUIP.SUPPORT DESIGN.

MECHANICAL EQUIPMENT SEISMIC DETAILS 398B



NOTE:
NON-FROST SUSCEPTIBLE FILL MUST BE KEPT CLEAN UNTIL SLAB IS POURED.

APPROACH SLAB 321B

RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S RED-LINE DWGS.
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: CLB
DATE: 6-30-89
4. CHECKED BY: DAC
DATE: 7-24-89

STATE OF ALASKA 49TH PHILIP J. ENGLEBERT CE 7403 REGISTERED PROFESSIONAL ENGINEER
2/8/88

STRUCTURAL DETAILS

						DAC	6-21-89
					A	ADDS REVISED DET 204 FROM AMERICAN MFG. CO.	
					No.	Revisions	By Date
Scale	NONE						
Date	2/5/88						
Designer	AJB						
Drafter	VEN						
Checker	DLS						
Approver	PJE						

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
ANCHORAGE, ALASKA
DONOHUE ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No.	19
File No.	A-50866
Project No.	15286
Drawing No.	AS-10

DESIGN FILE 221-13 9952,STU;1

REFERENCE FILES: JBORDER.REF (LV=11-20) RX=106.5 RY=0 RZ=0
WU- PLOT SCALE= 1:4 PLOT NAME= ASS (FULL SIZE)
WU- PLOT SCALE= PLOT NAME= (FULL SIZE)
8888

DRAWING NUMBER
221-12

NORTH

4"TO SEPTIC TANK FOR CONTINUATION SEE ON-SITE SEWAGE DISPOSAL PLAN DRAWING C-5

4"TO HOLDING TANK
FIRE DEPARTMENT CONNECTION
WET PIPE FIRE RISER SEE DETAIL 605

4"BACKFLOW PREVENTER

DOUBLE CHECK (A) VALVE, INSTALLED ON VERTICAL PIPING.

3"HUB DRAIN

WATER SERVICE CONNECT TO EXISTING 6" SEE UTILITIES PLAN DRAWING C-6

1 1/2"UP W/BALL VALVE & CHECK VALVE IN RISER

3/4"DN.W/BALL VALVE IN DROP

WALL MOUNTED TANKLESS FLOW DEMAND GAS WATER HEATER

3/4"TO BOILER MAKE-UP

WATTS 9D

211 GALLON HYDRO-PNEUMATIC TANK

TEMPERING VALVE FOR EMERGENCY SHOWER/EYEWASH (A)

100 GALLON GAS FIRED WATER HEATER

1 1/2"DN. CIRCULATION PUMP SEE DETAIL 606

3"FD EL. 100.10 (TYP.)

2"VENT UP 3"VTR

WATER LINES MOVED TO AVOID THICKENED SLAB

DELETE SUMP UNDER SHOWER & EYE WASH (TYP.3 PLACES)

COMBINATION EMERGENCY SHOWER & EYE WASH (TYP.)

UNDER COUNTER 5 GALLON RETENTION ACID NEUTRALIZATION BASIN SEE DETAIL 609

EWC

CUP SINK

PRESSURE V.B. INSTALLED (A)

1/2"WATER TO LAB SINK

3"VTR

BALL VALVE

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 119 120 121 122 123 124 125

FLOOR PLAN
1/4"=1'-0"

RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: CLB DATE: 6-28-89
4. CHECKED BY: DAC DATE: 7-24-89

GENERAL NOTES:

1. BUILDING WILL BE CONSIDERED ORDINARY HAZARD GROUP 3.
2. SPRINKLER DENSITY WILL BE 0.22 GPM PER SQUARE FOOT WITH A MAXIMUM OF 1500 SQUARE FEET.

STATE OF ALASKA 49th MARK S. LENTZ No.7400 REGISTERED PROFESSIONAL ENGINEER 2/9/88

FLOOR PLAN

By	Date	Revisions
WJB	4-12-88	ADD #1-ADD HOLDING TANK AND FLOOR DRAINS
DAC	6-28-89	AS-BUILT PER CONTRACTORS REDLINE DWGS.

Scale	1/4"=1'-0"
Date	2/5/88
Designer	WJB
Drafter	CSD
Checker	MSL
Approver	MSL

Donohue
Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DONOHUE ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No.	20
File No.	A-50865
Project No.	15286

P/FP-1
Drawing No.

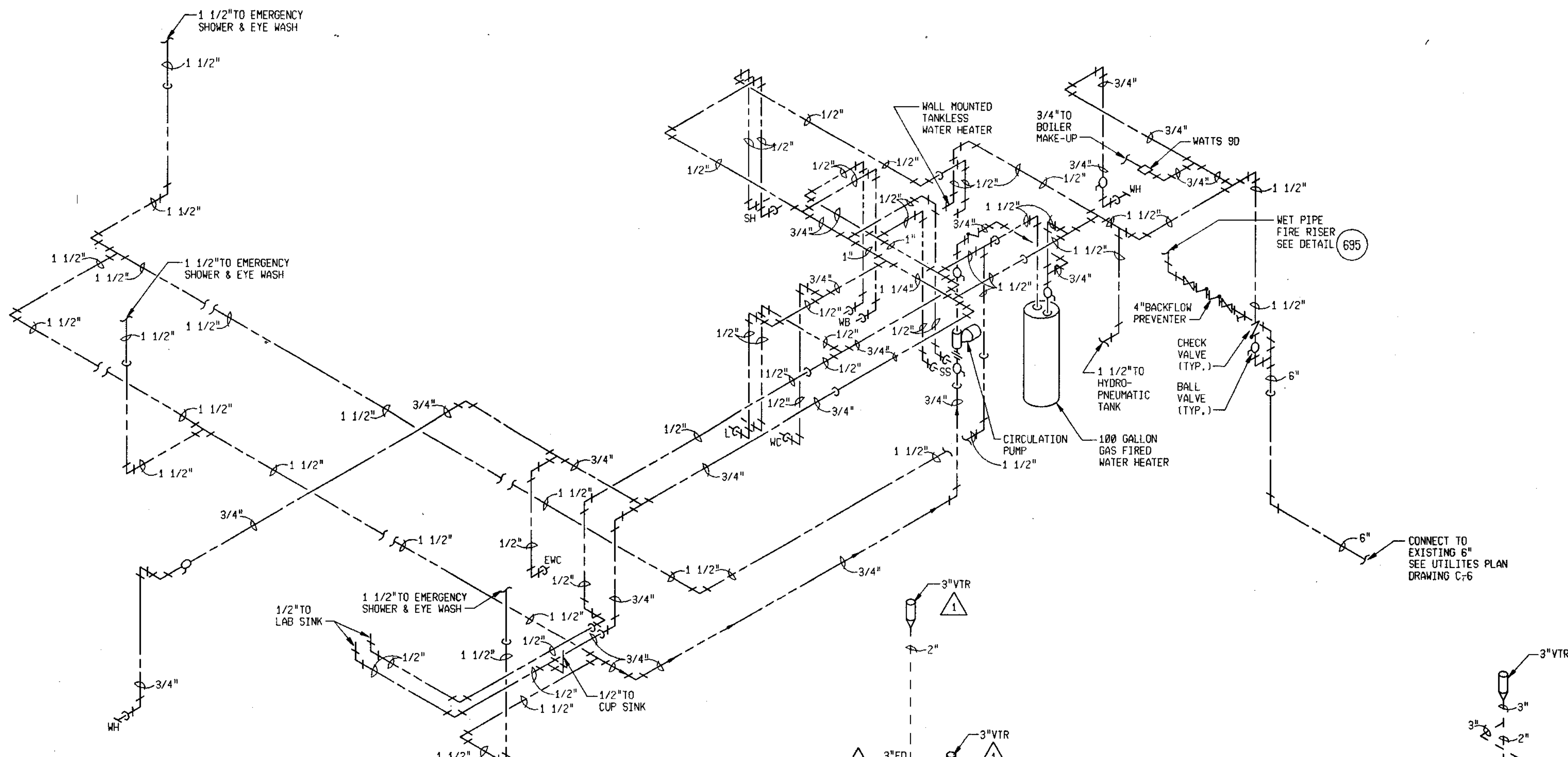
REFERENCE FILES
R1=DS2:[340001]BORDER.REF (LV=11-20)
R2=DS2:[340001]PLN1.ARC
R3=

WU- PLOT SCALE- PLOT NAME- (FULL SIZE)

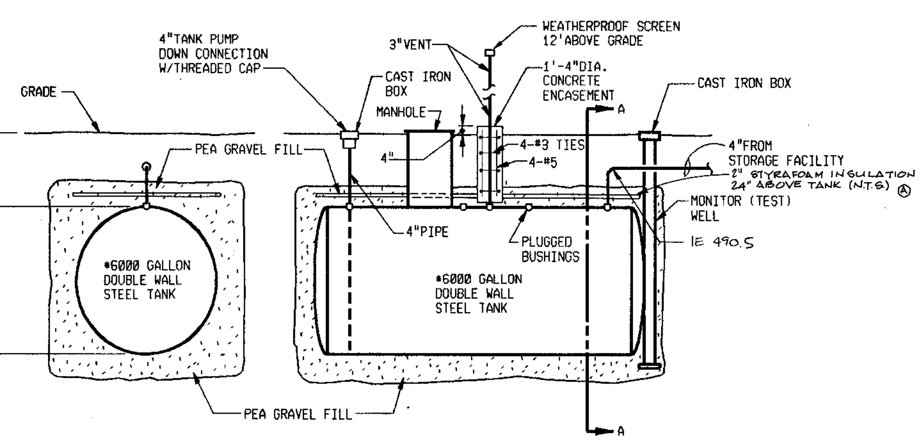
WU- 8000 PLOT SCALE-4 PLOT NAME- FFP1 (FULL SIZE)

NUMBER

DESIGN FILE 221-12 DS2:[34001]PLN1.PLB;1

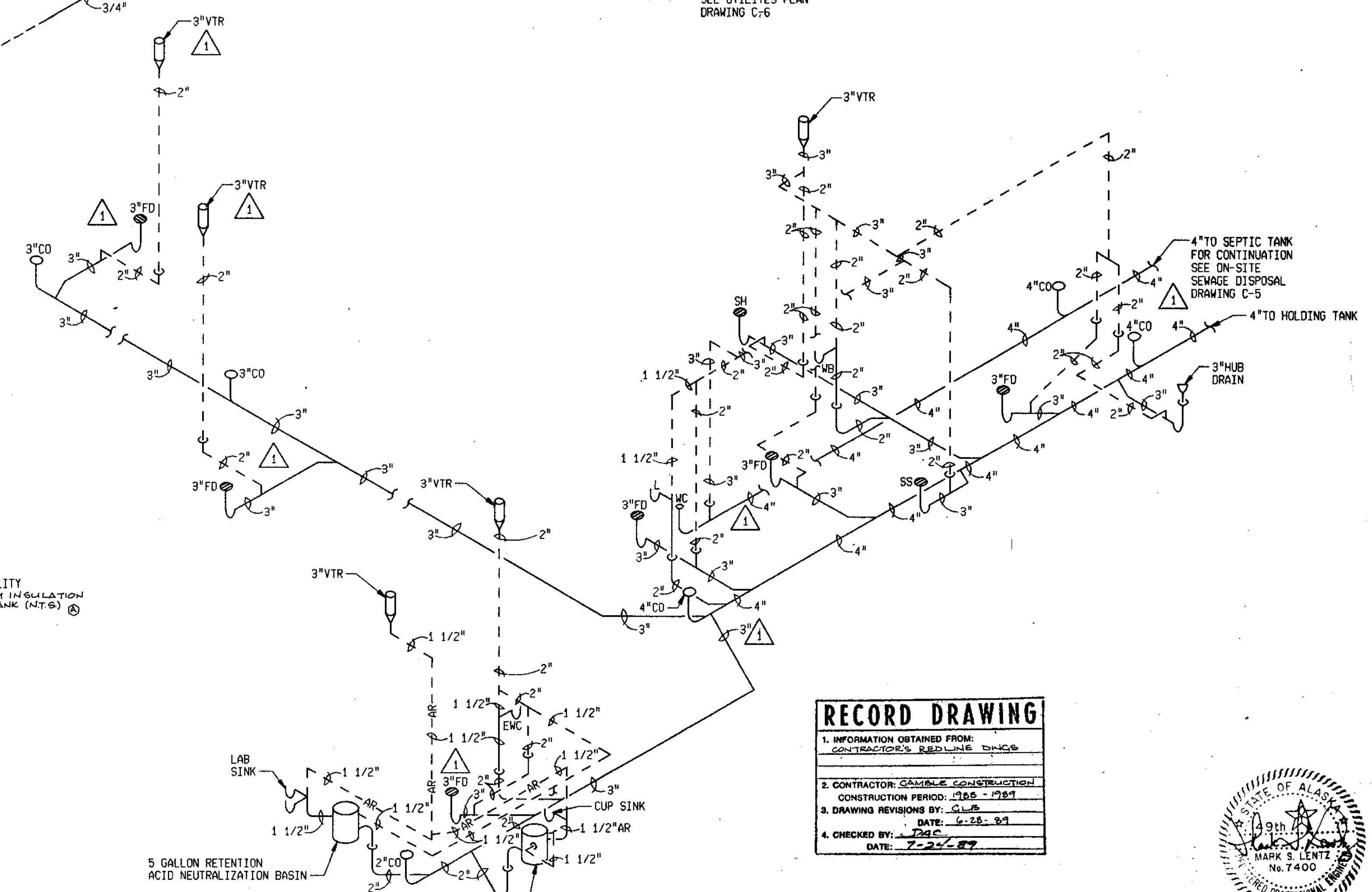


WATER PIPING SCHEMATIC
NTS



* PROVIDE 300 DEGREE WRAP DOUBLE WALL STEEL TANK.

⚠1 HOLDING TANK DETAIL (603)
NTS



SANITARY PIPING SCHEMATIC
NTS

RECORD DRAWING

1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
   CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: GLB
   DATE: 6-28-89
4. CHECKED BY: DAC
   DATE: 7-24-89

STATE OF ALASKA
49th
MARK S. LENTZ
No.7400
REGISTERED PROFESSIONAL ENGINEER
2/8/88

SCHEMATICS

Scale	AS SHOWN	⚠1	ADD.#1-ADD HOLDING TANK AND FLOOR DRAINS	WJB	4-12-88
Date	2/5/88	Ⓐ	AS-BUILT PER CONTRACTOR'S RED LINE DWGS.	DAC	6-28-89
Designer	WJB				
Drafter	DSD				
Checker	MSL				
Approver	MSL	No.	Revisions	By	Date

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

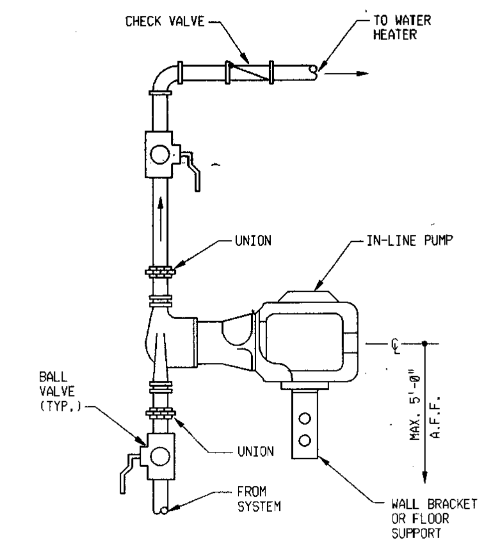
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 21
File No. A-50864
Project No. 15286
P/FP-2
Drawing No.

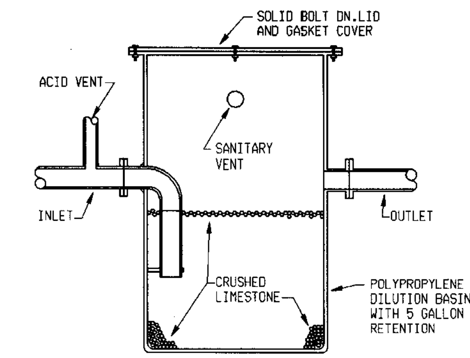
221-11 DESIGN FILE OS2:[340001]SCH1.PLB;1

221-11

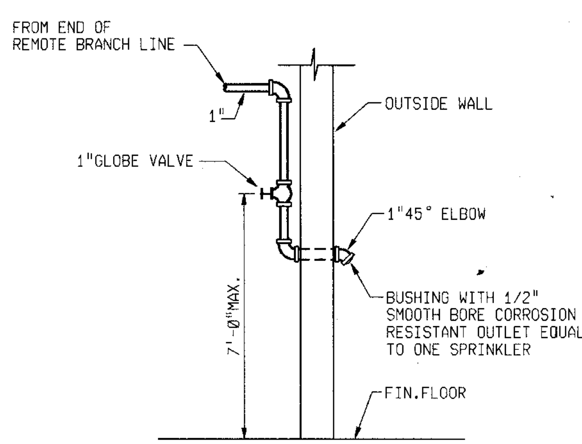
REFERENCE FILES R1=OS2:[340001]BORDER.REF R2= R3=
WU- PLOT SCALE- PLOT NAME- (FULL SIZE)
WU-6000 PLOT SCALE-4 PLOT NAME-PFP2 (FULL SIZE)
DRAWING NUMBER



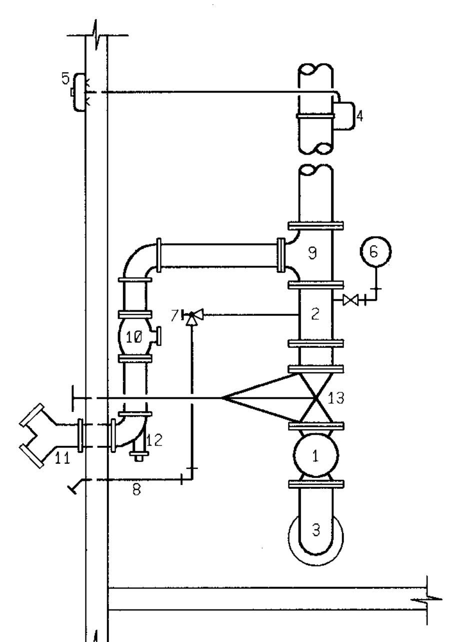
DOMESTIC HOT WATER CIRCULATION PUMP DETAIL (606)
N.T.S.



NEUTRALIZATION BASIN DETAIL (609)
N.T.S.

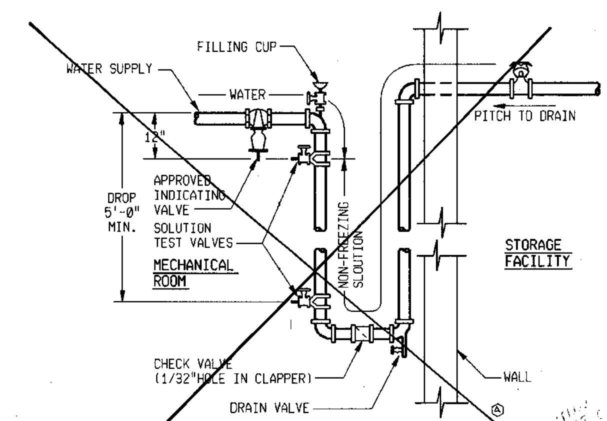


INSPECTORS TEST CONNECTION FOR WET PIPE SPRINKLER SYSTEM (690)
NTS



1. CHECK VALVE
2. TEE CONNECTION
3. FROM BACKFLOW PREVENTER
4. WATER FLOW INDICATOR
5. ELECTRIC ALARM VALVE
6. WATER PRESSURE GAGES (WITH SHUT -OFF COCKS)
7. MAIN DRAIN VALVE
8. MAIN DRAIN LINES TO OUTSIDE OF BLDG. (4'-0" MINIMUM LENGTH INSIDE OF BLDG.)
9. TEE FOR FIRE DERARTMENT CONNECTION
10. CHECK VALVE
11. FIRE DEPARTMENT CONNECTION
12. BALL DRIP
13. INDICATOR VALVE

RISER DIAGRAM FOR WET-PIPE ALARM VALVE (695)
NTS



GLYCOL FILL DETAIL (696)
NTS OMIT- C.O.Nº1

RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS.
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988 -1989
3. DRAWING REVISIONS BY: GLB DATE: 6-28-89
4. CHECKED BY: DAC DATE: 7-24-89

STANDARD DETAILS

2/8/88

Scale	1/4"=1'-0"
Date	2/5/88
Designer	WJB
Drafter	DSD
Checker	MSL
Approver	MSL

No.	Revisions	By	Date
④	AS-BUILT PER CONTRACTOR'S REDLINE DWGS.	DAC	6/28/89

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 22
File No. A-50863
Project No. 15286

P/FP-3
Drawing No.
OS2:[340001]DET1.PLB;1

221-10 DESIGN FILE

REFERENCE FILES R1=OS2:[340001]BORDER.REF (LV=11-20) R2= R3=
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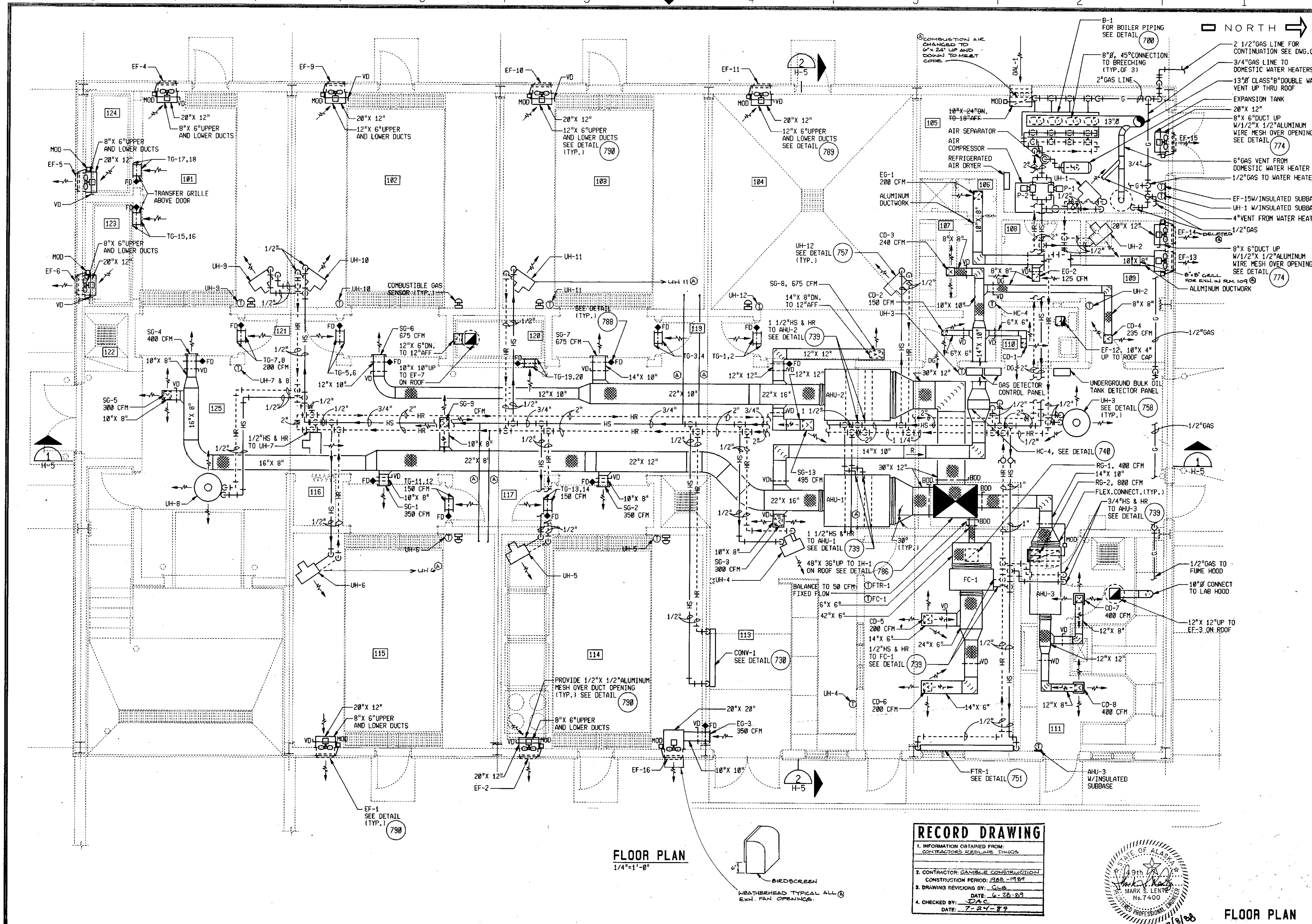
WU- 8000 PLOT SCALE-4 PLOT NAME-PFP3 (FULL SIZE)

221-10

221-9



RECORD DRAWING

1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: CLB DATE: 6-28-89
4. CHECKED BY: DAC DATE: 7-24-89

STATE OF ALASKA — MARK S. LENTZ No.7400 REGISTERED PROFESSIONAL ENGINEER — 2/8/88

FLOOR PLAN

No.	Revisions	By	Date
A	AS BUILT PER CONTRACTORS REDLINE DWGS	DAC	6-28-89

Scale	1/4"=1'-0"
Date	2/5/88
Designer	RCD
Drafter	DSD
Checker	MSL
Approver	MSL

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 23
File No. A-50862
Project No. 15286
H-1
Drawing No.

DESIGN FILE 221-9 OS2:[340001]PLN1.HVA;1

REFERENCE FILES R2=OS2:[340001]PLN1.ARC R3=
PLOT SCALE- PLOT NAME- (FULL SIZE)
PLOT SCALE-4 PLOT NAME-H1 (FULL SIZE)

221-8

AIR HANDLING UNIT SCHEDULE

TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	FAN DATA					FILTER DATA			COIL 1		MOTOR DATA				REMARKS
		SCFM	TSP (IN.WG)	ESP (IN.WG)	BHP	RPM	AREA (SQ.FT.)	TYPE	APD (DIRTY) (IN.WG)	TYPE	TAG NO.	HP	VOLT	PHASE	RPM	
AHU-1	TRANE CLIMATE CHANGER 6A	2700	1.81	1.24	1.3	1081	6.94	TA	.5	HOT WATER	HC-1	1 1/2	208	3	1750	
AHU-2	TRANE CLIMATE CHANGER 6W	2520	1.79	1.31	1.3	2046	6.94	TA	.5	HOT WATER	HC-2	1 1/2	208	3	1750	
AHU-3	TRANE CLIMATE CHANGER 3A	800	1.27	1.1	0.3	1328	3.46	TA	.5	HOT WATER	HC-3	1/2	208	3	1750	

BOILER SCHEDULE

TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	SERVICE & LOCATION	BOILER TYPE	FUEL TYPE	FUEL TRAIN	MIN. FUEL PRESS.	INPUT (MBH)	OUTPUT (MBH) NET (IBR)	STACK SIZE (IN.)	REMARKS
B-1	HYDROTHERM MR-1000B-PV	HOT WATER HEATING MECH.ROOM	MOD. C.I.	N.G.	FM	4"W.C.	1000	660	13	

HOT WATER UNIT HEATER SCHEDULE

(CAPACITY BASED ON 60° F EAT)

TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	TYPE	OUTPUT (MBH)	MOUNT. HEIGHT (FT.)	HYDRONIC COIL DATA				AIR DATA				MOTOR DATA				REMARKS
					GPM	WPD (FT.)	EWT (°F)	LWT (°F)	SCFM	THROW	EAT (°F)	LAT (°F)	HP	VOLT	PHASE	RPM	
UH-1	TRANE 38-S	HORIZ.	9.7	8.0	1.0	.05	180	160	543	18	60	76	1/20	120	1	1550	
UH-2	TRANE 18-S	HORIZ.	3.6	8.0	0.5	.01	180	160	280	12	60	72	1/25	120	1	1050	
UH-3	TRANE 42-P-L	VERT.	7.8	13.0	0.75	.03	180	160	436	—	60	77	1/25	120	1	1150	
UH-4	TRANE 20-W2	HORIZ.	5.3	13.0	0.40	.01	180	155	315	12	60	76	1/25	120	1	1050	PROVIDE WITH LOUVER FIN DIFFUSER
UH-5	TRANE 20-W2	HORIZ.	7.0	13.0	0.67	.03	180	160	315	12	60	81	1/25	120	1	1050	PROVIDE WITH LOUVER FIN DIFFUSER
UH-6	TRANE 20-W2	HORIZ.	10.5	13.0	1.1	.05	180	160	543	18	60	80	1/20	120	1	1550	PROVIDE WITH LOUVER FIN DIFFUSER
UH-7	TRANE 20-W2	HORIZ.	7.8	13.0	0.75	.03	180	160	315	12	60	83	1/25	120	1	1050	PROVIDE WITH LOUVER FIN DIFFUSER
UH-8	TRANE 42-P-L	VERT.	7.8	13.0	0.75	.03	180	160	436	—	60	77	1/25	120	1	1150	PROVIDE WITH LOUVER FIN DIFFUSER
UH-9	TRANE 38-S	HORIZ.	11.5	13.0	1.1	.05	180	160	543	18	60	80	1/20	120	1	1550	PROVIDE WITH LOUVER FIN DIFFUSER
UH-10	TRANE 20-W2	HORIZ.	7.0	13.0	0.67	.03	180	160	315	12	60	81	1/25	120	1	1050	PROVIDE WITH LOUVER FIN DIFFUSER
UH-11	TRANE 20-W2	HORIZ.	7.0	13.0	0.67	.03	180	160	315	12	60	81	1/25	120	1	1050	PROVIDE WITH LOUVER FIN DIFFUSER
UH-12	TRANE 20-W2	HORIZ.	7.0	13.0	0.67	.03	180	160	315	12	60	81	1/25	120	1	1050	PROVIDE WITH LOUVER FIN DIFFUSER. PROVIDE MOTOR FOR CLASS I DIV.II ENVIRONMENT

FAN COIL SCHEDULE

TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	TYPE	CFM	HEATING COIL DATA						MOTOR DATA				REMARKS
				EAT (°F)	LAT (°F)	MBH	WPD (IN.WG)	GPM	EWT (°F)	WATTS	VOLT	PHASE	RPM	
FC-1	TRANE C34D0-04	RECESS HORIZ.	420	59	106	12.1	1.2	1.0	180	130	120	1	1200	MEDIUM SPEED

FINNED TUBE RADIATION SCHEDULE

(CAPACITY BASED ON 65° F EAT.)

TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	CAPACITY (BTUH/LF.)	FLOW (GPM)	AWT (°F)	ELEMENT DATA					ENCLOSURE DATA					FINISH	VALVE C_V	REMARKS
					ROWS	FIN MATL.	TUBE SIZE	SERIES (FPF)	ACTIVE LENGTH (FT)	TYPE	HEIGHT (IN)	DEPTH (IN)	LENGTH (IN)	INSTALLED HEIGHT			
FTR-1	TRANE MODEL 10S	810	0.7	170	1	ALUM.	3/4"	58	6.5	10S	10	4	102	12 1/8 IN	BAKED ENAMEL	5.3	

HOT WATER COIL SCHEDULE

TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	CAPACITY (MBH)	WIDTH (IN.)	LENGTH (IN.)	AIR DATA					HYDRONIC DATA				NO. ROWS	FINS PER FT.	FIN SERIES	TURBS	VALVE C_V	REMARKS
					SCFM	APD (IN. WG)	EAT (°F)	LAT (°F)	FACE VELO-CITY (FPM)	GPM	WPD (FT)	EWT (°F)	LWT (°F)						
HC-1	TRANE TYPE W	242.0	18	45	2700	.13	-23	60	480	26.7	.7	180	160	2	102	PF	NO	—	
HC-2	TRANE TYPE W	226.0	18	45	2520	.11	-23	60	448	25.0	.6	180	160	2	98	PF	NO	—	
HC-3	TRANE TYPE W	93	18	24	800	.05	-23	85	267	10.3	.2	180	160	2	110	PF	YES	—	
HC-4	TRANE P-2	23	12	18	755	.12	60	84	503	1.1	.1	180	160	2	80	PF	NO	4.0	

RECORD DRAWING

1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS (NO REVISIONS NOTED)
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLB DATE: 6-28-89
4. CHECKED BY: DAC DATE: 7-24-89

CIRCULATING PUMP SCHEDULE

TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	SERVICE	TYPE	CAPACITY (GPM)	DISCH. HEAD (FT.)	NPSH (FT.)	MIN. EFF. (%)	SIZE (IN.)		MOTOR DATA				REMARKS
								SUCTION	DISCH.	HP	VOLT	PHASE	RPM	
P-1 & 2	BELL & GOSSETT SERIES 80, 2 X 2 X 9-1/2B	HOT WATER	VERT. IN-LINE	75	70	—	54	2	2	5	208	3	1750	

CONVECTOR SCHEDULE

TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	CAPACITY (MBH)	EWT (°F)	GPM	ENCLOSURE DATA			ELEMENT DATA					REMARKS
					HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)	ROWS	TUBE IN	SERIES FPF	WPD (FT)	VALVE C_V	
CONV-1	TRANE MODEL AG	10.1	180	1.1	26	62	6	1	1"	—	.27	4.0	

EXHAUST FAN SCHEDULE

TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	TYPE	AIR DATA			FAN RPM	TIP SPEED (FPM)	MOTOR DATA				DAMPER	REMARKS
			SCFM	ESP (IN. WG)	BHP			HP	VOLT	PHASE	RPM		
EF-1	GREENHECK SDE-14-32-B	WALL CENTRIF.	500	.375	.07	1140	4176	1/4	120	1	1140	MOD	PROVIDE ALUMINUM WHEEL W/TEFC MOTOR
EF-2	GREENHECK SDE-14-32-B	WALL CENTRIF.	500	.32	.07	1140	4176	1/4	120	1	1140	MOD	PROVIDE ALUMINUM WHEEL W/TEFC MOTOR
EF-3	GREENHECK CUBE-10	ROOF UPBLAST	800	.625	.15	1380	4019	1/4	120	1	1750	MOD	PROVIDE ALUMINUM WHEEL
EF-4	GREENHECK SDE-14-24-B	WALL CENTRIF.	400	.32	.037	1050	2990	1/6	120	1	1050	MOD	PROVIDE ALUMINUM WHEEL
EF-5 & 6	GREENHECK SDE-12-24-E	WALL CENTRIF.	100	.25	.016	1050	3299	1/20	120	1	1050	MOD	PROVIDE ALUMINUM WHEEL W/TEFC MOTOR
EF-7	GREENHECK SDE-12-24-E	ROOF CENTRIF.	100	.25	.032	1050	3299	1/20	120	1	1050	MOD	PROVIDE ALUMINUM WHEEL W/TEFC MOTOR
EF-9 & 10	GREENHECK SDE-14-32-A	WALL CENTRIF.	830/1660	.32	.24	590/1090	4170/6319	1/3	120	1	1750	MOD	PROVIDE ALUMINUM WHEEL W/2 SPEED TEFC MOTOR
EF-11	GREENHECK SDE-14-32-A	WALL CENTRIF.	860/1720	.32	.24	1200/1800	4170/6319	1/4	120	1	1750	MOD	PROVIDE ALUMINUM WHEEL W/TEFC MOTOR CLASS I, DIV.II ENVIRONMENT
EF-12	GREENHECK CPS-17	CEILING CENTRIF.	50	.23	—	1050	—	63 WATTS	120	1	1550	BDD	PROVIDE WITH ROOF JACK
EF-13	GREENHECK SDE-12-32-B	WALL CENTRIF.	325	.30	.037	1140	3581	1/6	120	1	1050	MOD	PROVIDE ALUMINUM WHEEL
EF-14	GREENHECK SDE-12-24-E	WALL CENTRIF.	210	.21	.02	860	2632	1/20	120	1	860	MOD	PROVIDE ALUMINUM WHEEL
EF-15	GREENHECK SDE-14-24-B	WALL CENTRIF.	520	.27	.03	1140	4176	1/6	120	1	1140	MOD	PROVIDE ALUMINUM WHEEL
EF-16	GREENHECK SDE-12-32-B	WALL CENTRIF.	350	.32	.06	1140	4176	1/4	120	1	1050	MOD	PROVIDE ALUMINUM WHEEL W/TEFC MOTOR

EF-8 NOT USED.

WALL LOUVER SCHEDULE

TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	SERVICE	AIR FLOW (SCFM)	WIDTH (INCHES)	HEIGHT (INCHES)	BLADE DEPTH (INCHES)	MAX. APD. (IN WG)	MAX.FACE VEL.(FPM)	REMARKS
OAL-1	RUSKIN ELF-375D	COMBUSTION OUTSIDE AIR INTAKE	590	24	18	4	.02	500	

AIR INLET AND OUTLET SCHEDULE

TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	SERVICE	AIR FLOW (SCFM)	SIZE (INCHES)	MAX. APD. (IN WG)	MAX. NC.	PATTERN	DAMPER	FINISH	MATERIAL	MOUNTING
SG-1 THRU SG-5 & 9	TITUS 122-RS5	SUPPLY AIR	SEE PLAN	10 X 8	.04	35	1-WAY	YES	ALUMINUM	EXTRUDED ALUMINUM	DUCT MOUNT
SG-6,7,8	TITUS 122-RS5	SUPPLY AIR	SEE PLAN	16 X 10	.05	35	1-WAY	YES	ALUMINUM	EXTRUDED ALUMINUM	DUCT MOUNT
CD-1,2	TITUS TDC	SUPPLY AIR	SEE PLAN	6 X 6	.09	35	4-WAY	NO	ALUMINUM	EXTRUDED ALUMINUM	LAY-IN CEILING
CD-3 THRU CD-6	TITUS TDC	SUPPLY AIR	SEE PLAN	9 X 9	.04	35	4-WAY	NO	ALUMINUM	EXTRUDED ALUMINUM	LAY-IN CEILING
CD-7,8	TITUS TDC	SUPPLY AIR	SEE PLAN	12 X 12	.04	35	4-WAY	NO	ALUMINUM	EXTRUDED ALUMINUM	LAY-IN CEILING
EG-1 & 2	TITUS 50F CORE 50	EXHAUST AIR	SEE PLAN	8 X 8	.02	35	—	NO	ALUMINUM	EXTRUDED ALUMINUM	LAY-IN CEILING
EG-3	TITUS 50F CORE 50	EXHAUST AIR	SEE PLAN	10 X 10	.06	35	—	NO	ALUMINUM	EXTRUDED ALUMINUM	WALL
RG-1,2	TITUS 10F CORE 10	RETURN AIR	SEE PLAN	14 X 14	.08	35	—	NO	ALUMINUM	EXTRUDED ALUMINUM	LAY-IN CEILING
TG-1 THRU TG-20	TITUS 10F CORE 10	TRANSFER AIR	—	14 X 14	.006	35	—	NO	ALUMINUM	EXTRUDED ALUMINUM	WALL

TG-9 AND TG-10 NOT USED.

INTAKE OR EXHAUST HOOD SCHEDULE

TAG. NO.	MANUFACTURER MODEL NO. OR EQUAL	SCFM	APD (IN. WG)	APPROX. HEIGHT (IN.)	APPROX. SIZE (IN.) (THROAT)	MAXIMUM THROAT VEL. (FPM)	DAMPER	CURB
IH-1	GREENHECK WIH	6050	.05	23	36 X 48	500	NONE	CURB BY METAL BLDG.MFR.

STATE OF ALASKA 49th — MARK S. LENTZ No. 7400 — REGISTERED PROFESSIONAL ENGINEER — 2/8/88

SCHEDULES

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

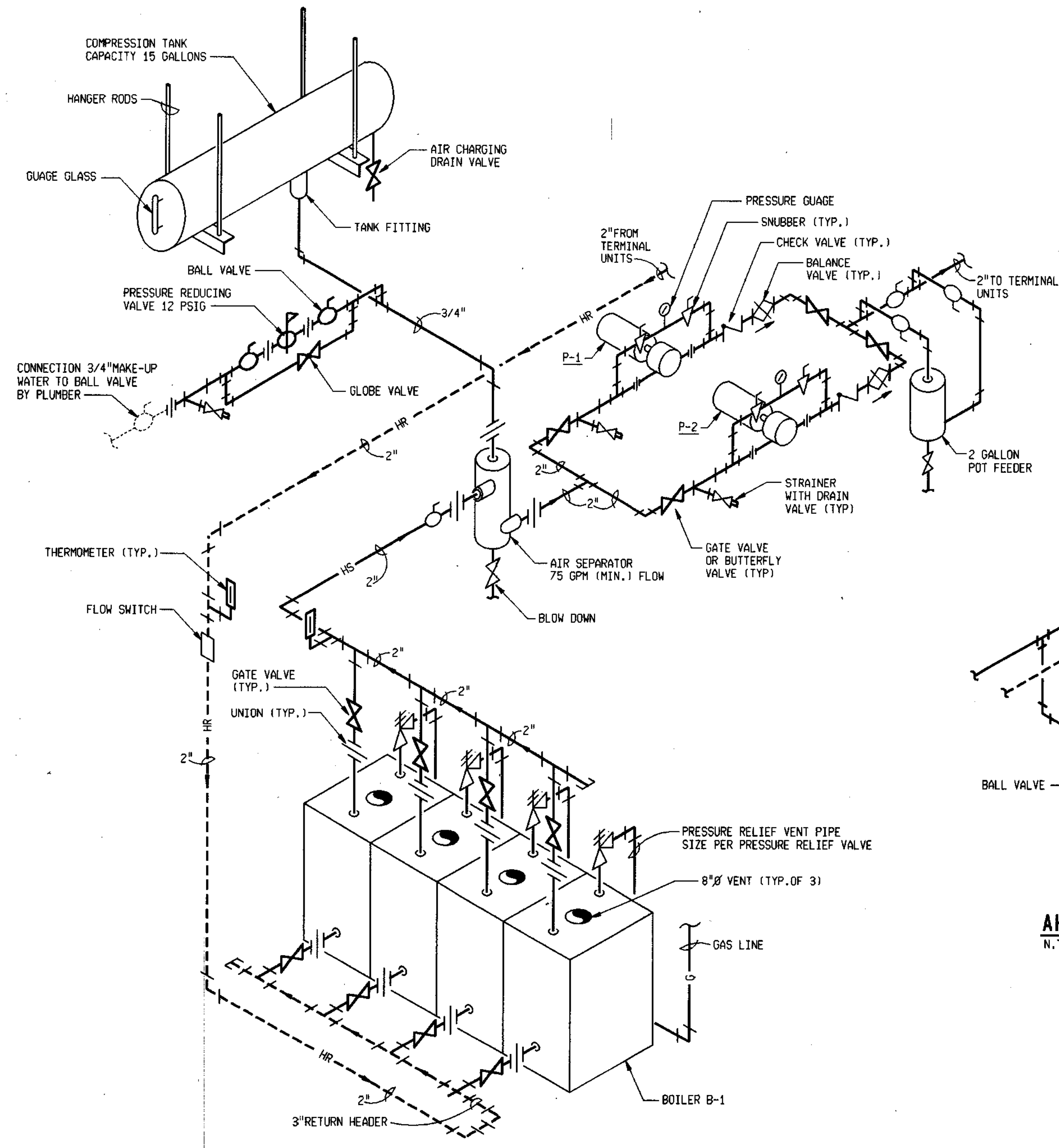
Scale	NONE
Date	2/5/88
Designer	RCD
Drafter	DSD
Checker	MSL
Approver	MSL

No.	Revisions	By	Date
	NO AS-BUILT REVISIONS	DAC	6/28/89

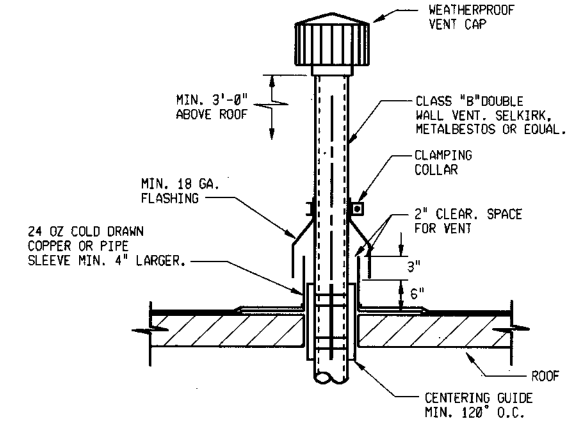
Sheet No. 24
File No. A-50861
Project No. 15286
H-2
Drawing No.

DESIGN FILE 221-8 OS2:[34000]3SCH1.HVA;1

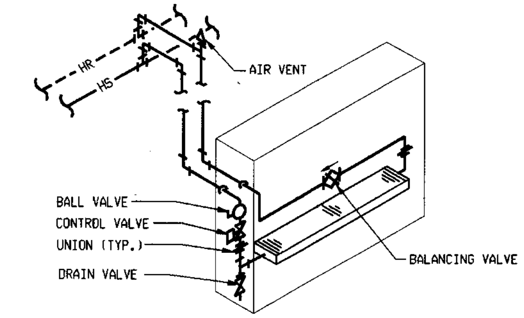
221-7



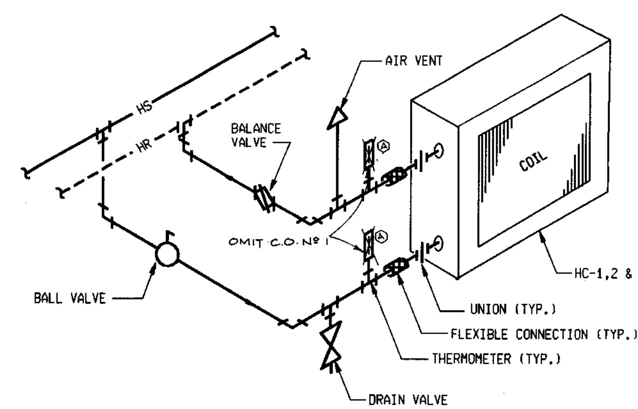
BOILER SYSTEM PIPING DETAIL (700)
N.T.S.



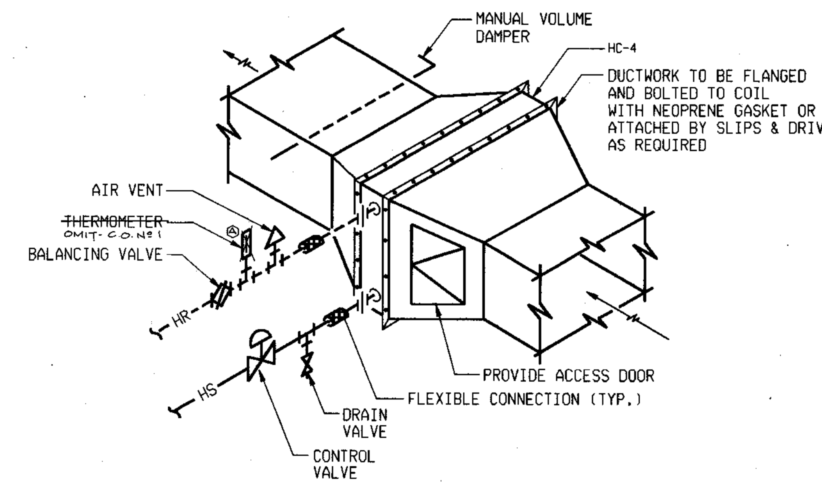
NATURAL GAS VENT (720)
N.T.S.



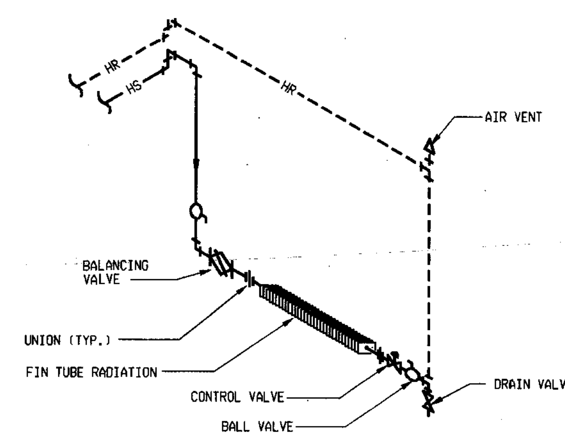
CONVECTOR PIPING DETAIL (730)
N.T.S.



AHU-1,2 & 3 COIL CONNECTION DETAIL (739)
N.T.S.



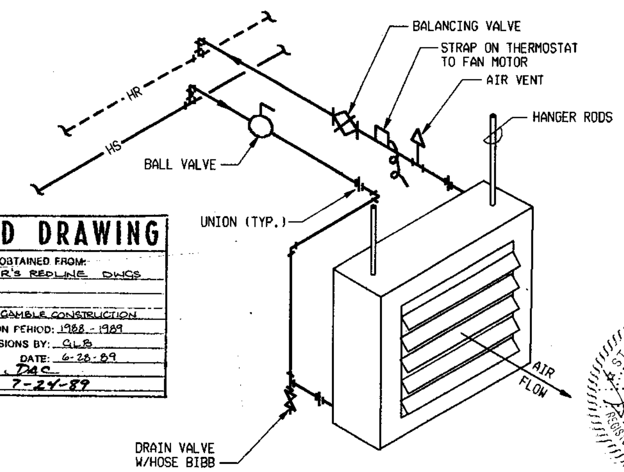
REHEAT COIL INSTALLATION DETAIL (740)
N.T.S.



RADIATION PIPING DETAIL (751)
N.T.S.

RECORD DRAWING

1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: GLS
DATE: 6-26-89
4. CHECKED BY: DAC
DATE: 7-24-89



HOT WATER UNIT HEATER PIPING DETAIL (757)
N.T.S.

STATE OF ALASKA
49th
MARK S. LENTZ
No. 7400
REGISTERED PROFESSIONAL ENGINEER
2/8/88

STANDARD DETAILS

Scale	AS SHOWN
Date	2/5/88
Designer	RCD
Drafter	DSD
Checker	MSL
Approver	MSL

No.	Revisions	By	Date
④	AS-BUILT PER CONTRACTOR'S RED LINE DWGS.	DAC	6-26-89

Donohue
Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

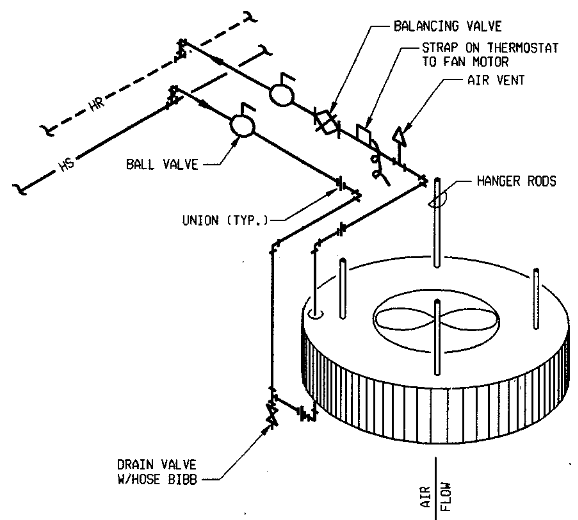
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 25
File No. A-50860
Project No. 15286
H-3
Drawing No.

DESIGN FILE 221-7 DS2:[340001]DET1.HVA;1

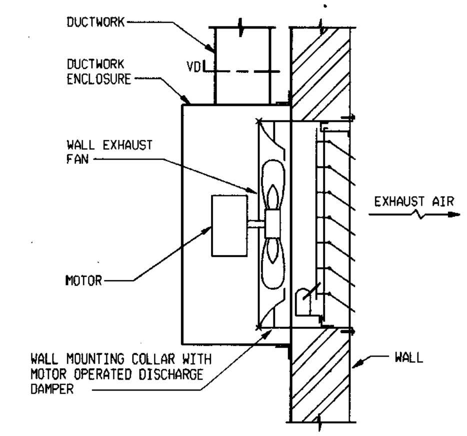
PLOT SCALE-4
PLOT NAME-H3
(FULL SIZE)
REFERENCE FILES

221-6



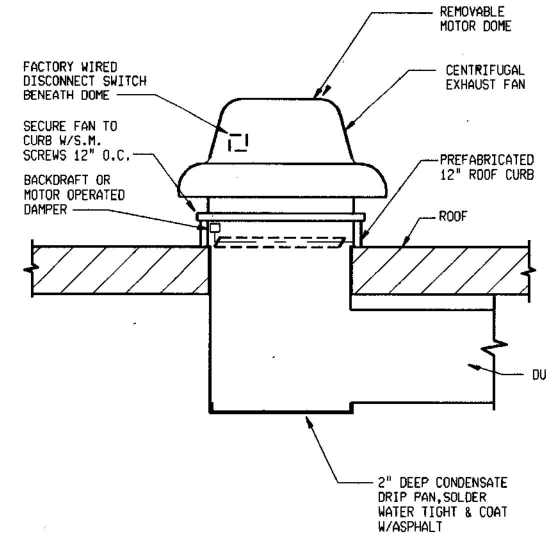
HOT WATER UNIT HEATER PIPING DETAIL (758)

N.T.S.



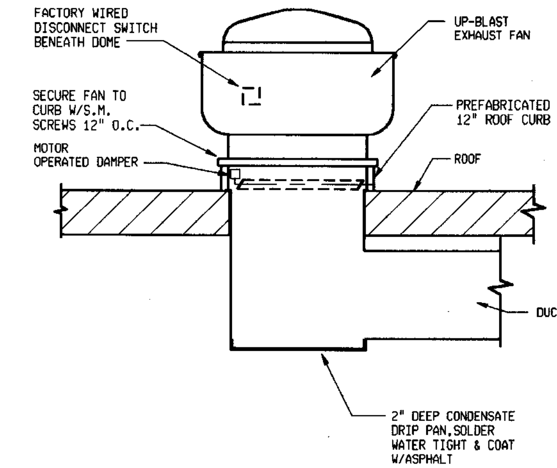
PROPELLER EXHAUST FAN DETAIL (774)

N.T.S.



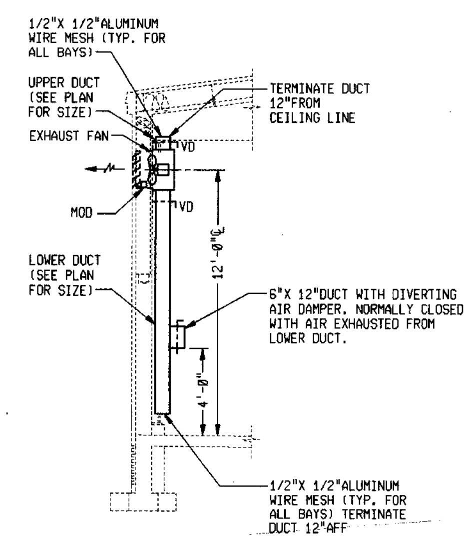
POWER ROOF EXHAUST FAN WITH DUCTWORK (775)

N.T.S.



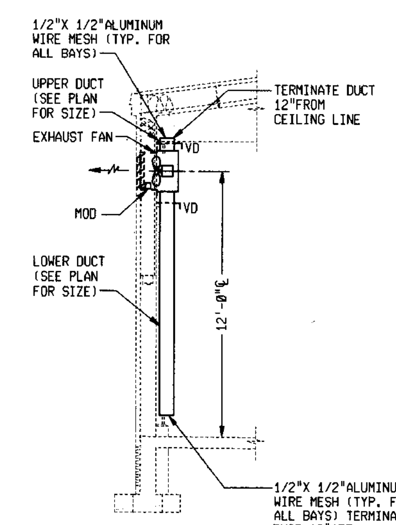
POWER ROOF EXHAUST FAN WITH DUCTWORK (778)

N.T.S.



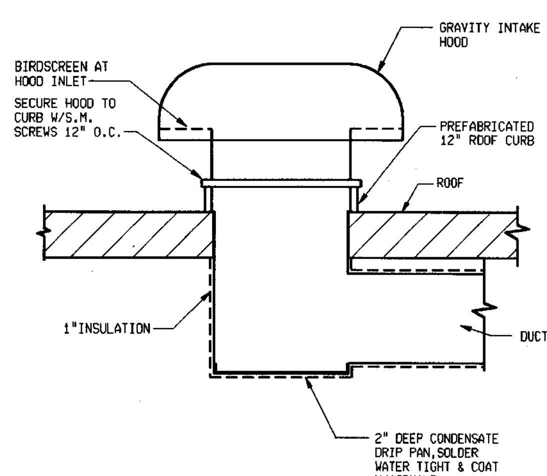
EXHAUST DUCT DETAIL (789)

1/4"=1'-0"



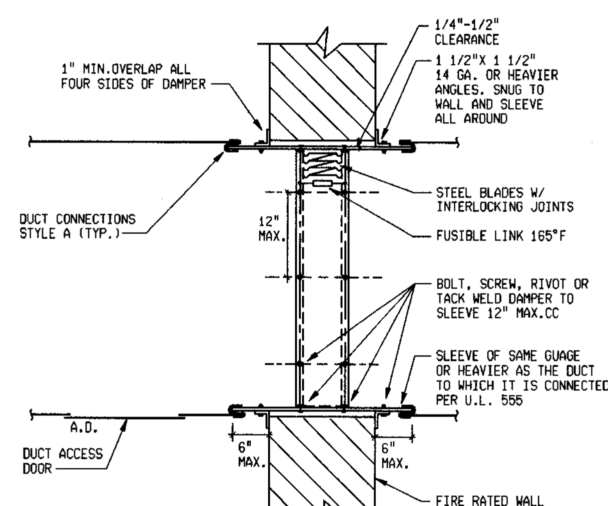
EXHAUST DUCT DETAIL (790)

1/4"=1'-0"



GRAVITY INTAKE HOOD WITH DUCTWORK (786)

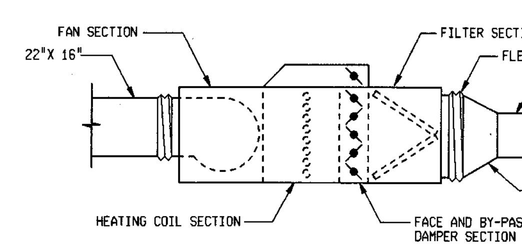
N.T.S.



DETAIL APPICABLE WHERE SYMBOLIZED AS ◆ ON DRAWINGS

FIRE DAMPER AT WALL DETAIL (788)

N.T.S.



AHU-1 & AHU-2 CONFIGURATION (791)

1/2"=1'-0"

RECORD DRAWING

1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS (NO REVISIONS NOTED)
2. CONTRACTOR: GAMBLE CONSTRUCTION
   CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: GLB
   DATE: 6-28-89
4. CHECKED BY: DAC
   DATE: 7-24-89

STATE OF ALASKA 49th MARK S. LENTZ No. 7400 REGISTERED PROFESSIONAL ENGINEER 2/8/88

STANDARD DETAILS

Scale	AS SHOWN
Date	2/5/88
Designer	RCD
Drafter	DSD
Checker	MSL
Approver	MSL

No.	Revisions	By	Date
	NO AS-BUILT REVISIONS	DAC	6/28/89

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

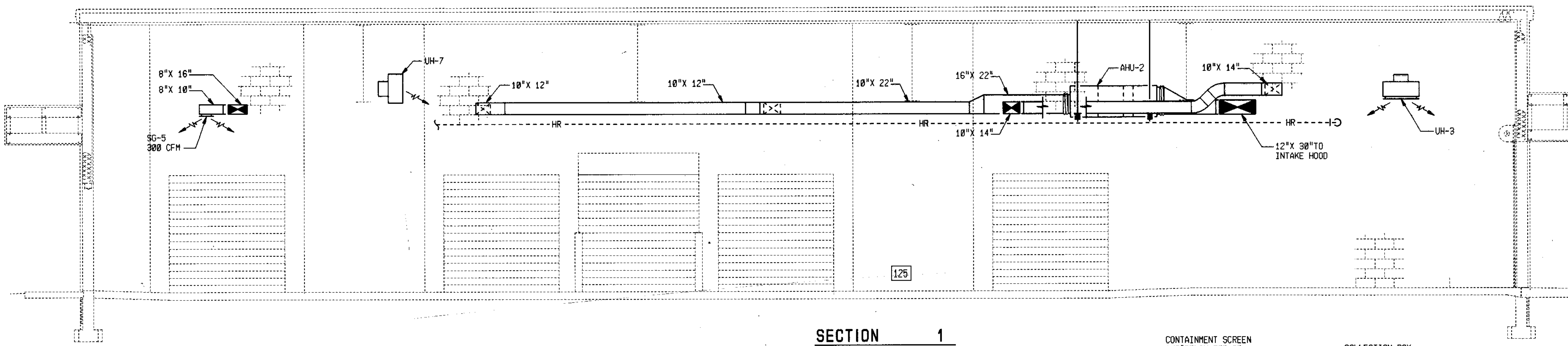
Sheet No.	26
File No.	A-50859
Project No.	15286
Drawing No.	H-4

DESIGN FILE 221-6 QS2:[340001]DET2.HVA;1

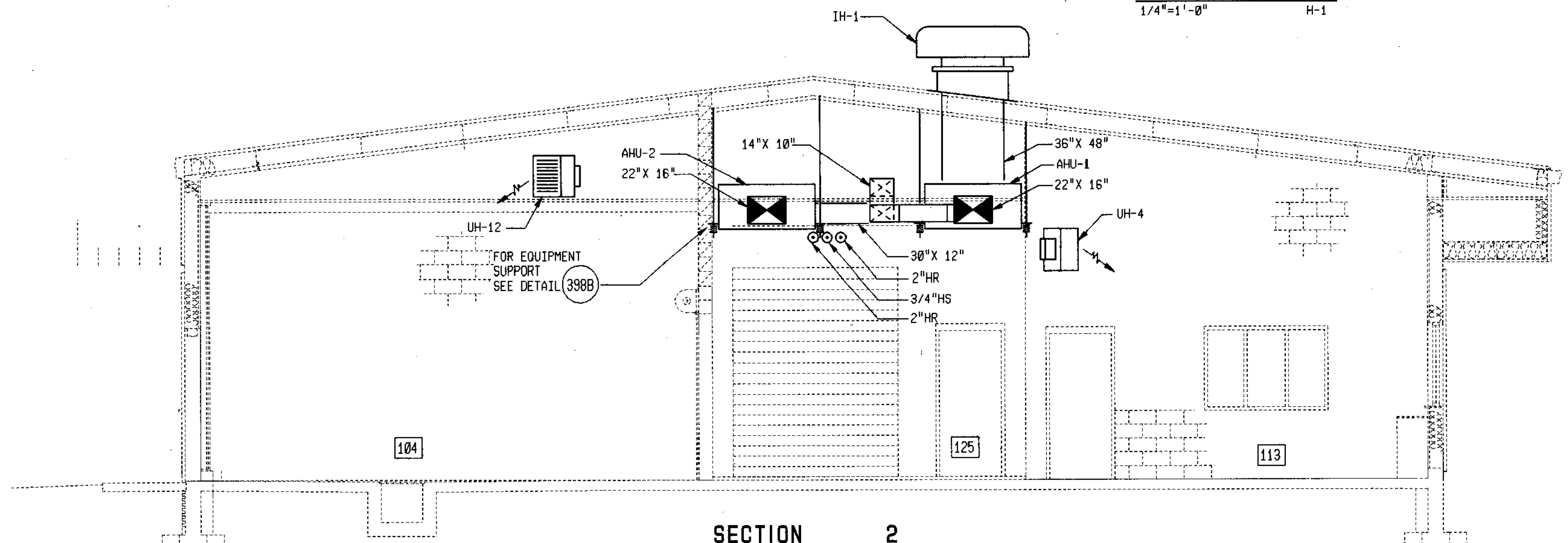
REFERENCE FILES R1=DS:[E 3]BORDER.REF (LV=11-20) R2= R3=

WU- PLOT SCALE- PLOT NAME- (FULL SIZE)

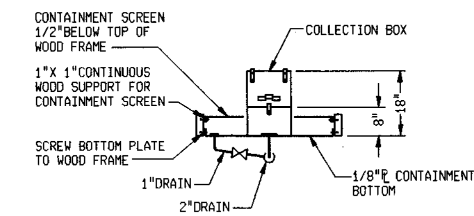
WU-0000 PLOT SCALE-4 PLOT NAME-H4 (FULL SIZE)



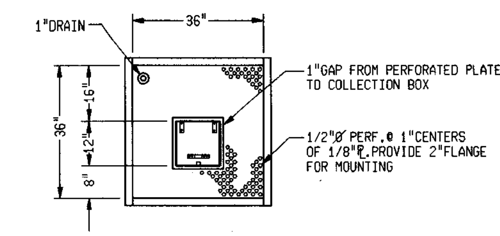
SECTION 1
1/4"=1'-0" H-1



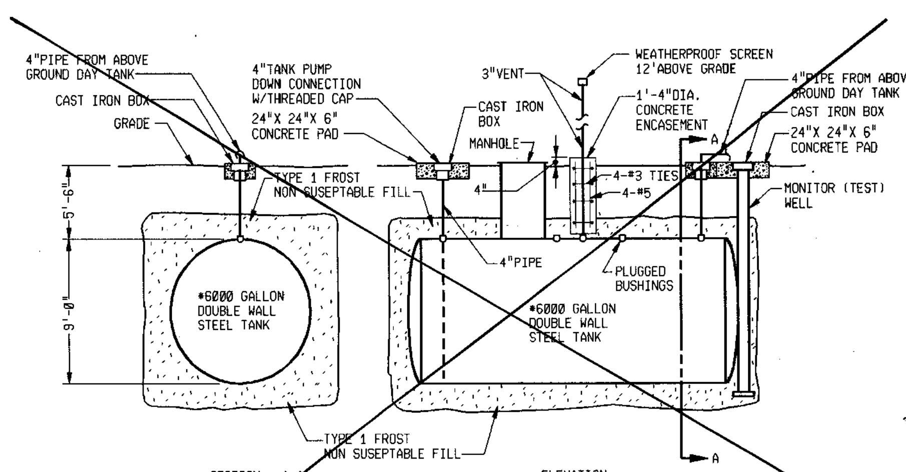
SECTION 2
1/4"=1'-0" H-1



FRONT ELEVATION COLLECTION BOX CONTAINMENT



PLAN VIEW COLLECTION BOX CONTAINMENT

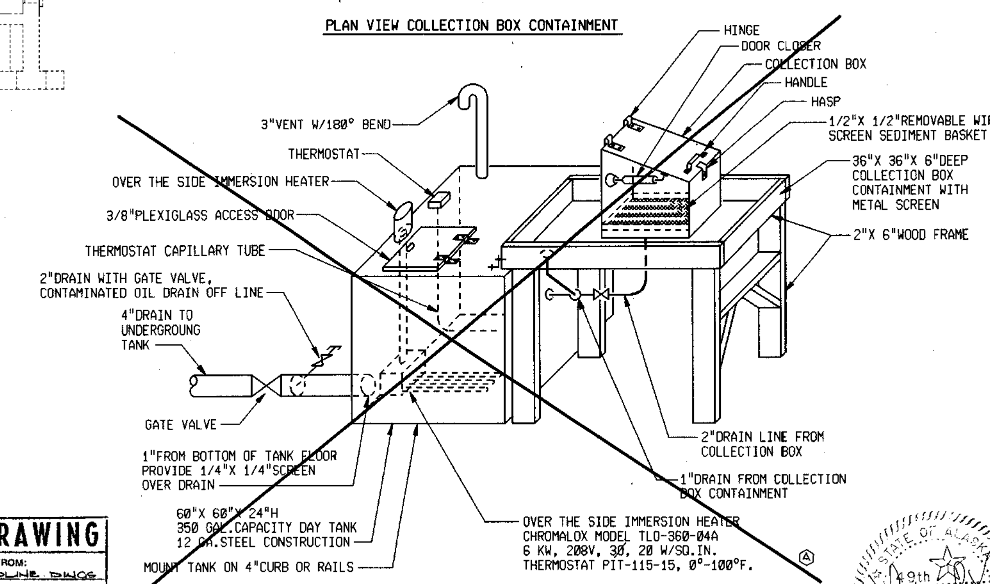


* PROVIDE 300 DEGREE WRAP DOUBLE WALL STEEL TANK.

NOTE: Ⓐ
REFER TO DWG.NO C-6
FOR TANK LOCATION

WASTE OIL UNDERGROUND STORAGE TANK (793)
NTS OMIT - C.O. Nº1

RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLB
DATE: 6-28-89
4. CHECKED BY: DAC
DATE: 7-24-89



WASTE OIL DAY TANK DETAIL (792)
NTS OMIT - C.O. Nº1

STATE OF ALASKA
49th
MARK S. L...TZ
No. 7...
PROFESSIONAL ENGINEER
2/8/88

SECTIONS AND
STANDARD DETAILS

Scale	AS SHOWN
Date	2/5/88
Designer	RCD
Drafter	DSD
Checker	MSL
Approver	MSL

No.	Revisions	By	Date
Ⓐ	AS-BUILT PER CONTRACTOR'S REDLINE DWGS	DAC	6/28/89

Donohue
Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING

DOWL ENGINEERS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No.	27
File No.	A-50858
Project No.	15286
Drawing No.	H-5

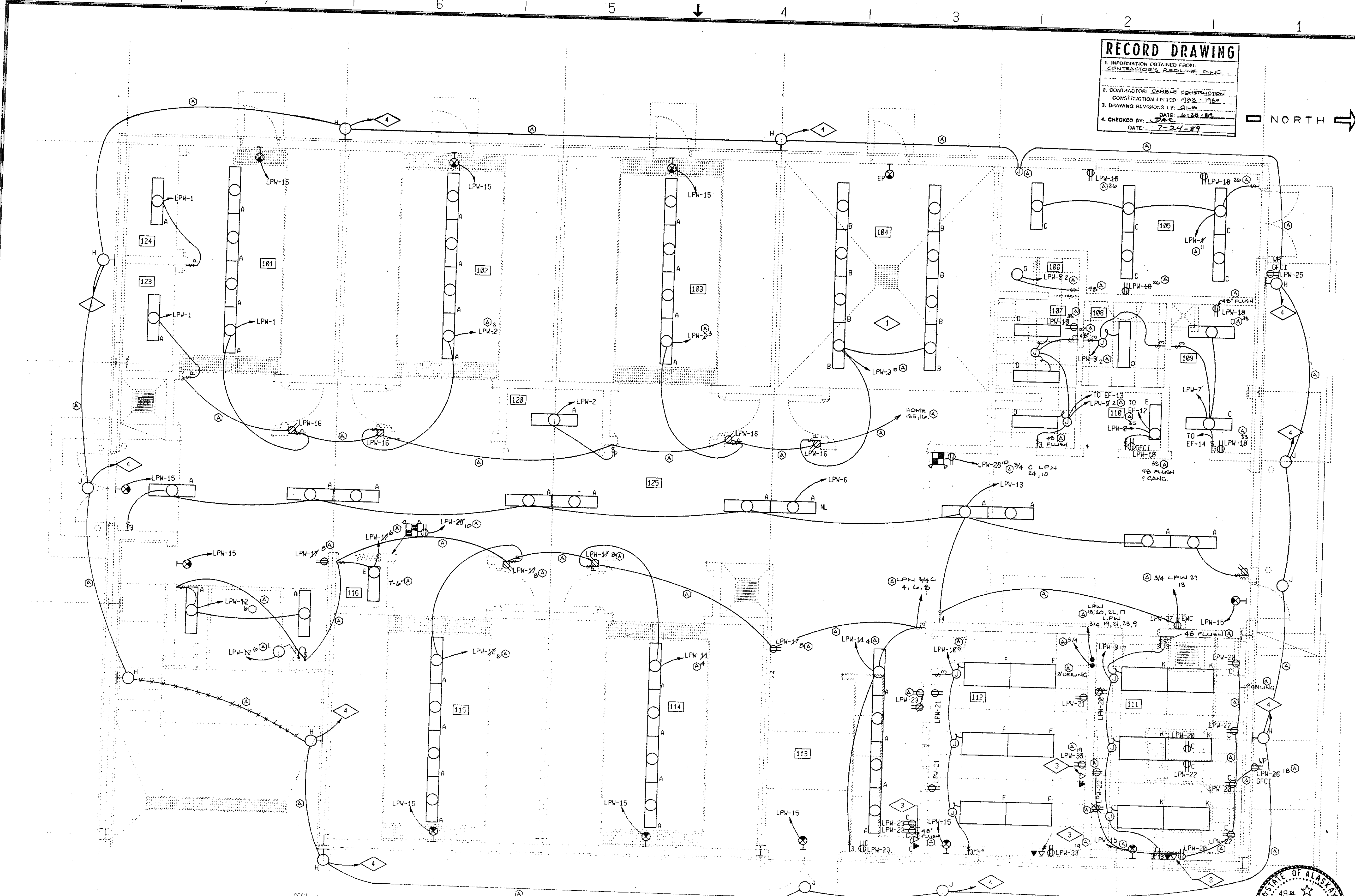
DRAWING NUMBER 221-5

REFERENCE FILES R1=OS :L JBORDER.REF (LV=1-20) R2= R3=

WU- PLOT SCALE- PLOT NAME- (FULL SIZE)

WU-8000 PLOT SCALE-4 PLOT NAME-H5 (FULL SIZE)

DESIGN FILE 221-5 OS2:[340001]SEC1.HVA;1



RECORD DRAWING

1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWG.
2. CONTRACTOR: GAMBLE CONSTRUCTION
   CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: GLB
   DATE: 6-28-89
4. CHECKED BY: DAC
   DATE: 7-24-89

GENERAL NOTES:

1. CONDUITS IN ROOM ~~105~~ ALL (A) MAY BE RUN EXPOSED. ~~CONDUITS IN OTHER AREAS SHALL BE CONCEALED.~~
2. MOUNT TYPE "A" FIXTURES IN ROOM 125 AT 10'6" AFF.

FLOOR PLAN

1/4"=1'-0"

PLAN NOTES:

1. ELECTRICAL WORK IN STAGING PACKING ROOM TO COMPLY WITH NEC CLASS I, DIVISION 1, GROUP C & D HAZARDOUS CLASSIFIED LOCATION REQUIREMENTS BELOW 8'0" AND CLASS I, DIVISION 2 ABOVE 8'0".
2. LOCATE TRUCK HEATER OUTLET 35'0" EAST OF BLDG. ON TOP OF CONCRETE CURB.
3. OUTLET FOR COMPUTER TERMINAL.
4. TO TIME CLOCK, SEE OUTSIDE LIGHTING RISER DIAGRAM, DRAWING E-2.

LIGHTING FLOOR PLAN

REFERENCE FILES: R1=OS2:[E340001]BORDER.REF (LV=11-20) R2=OS2:[E340001]PLN1.ARC R3=

WU- PLOT SCALE- PLOT NAME- (FULL SIZE)

No.	Revisions	By	Date
(A)	AS BUILT PER CONTRACTOR'S REDLINE DWGS.	DAC	6/28/89

Scale	1/4"=1'-0"
Date	2/5/88
Designer	JGM
Drafter	MRJ
Checker	WRW
Approver	DJS

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DOWL ENGINEERS

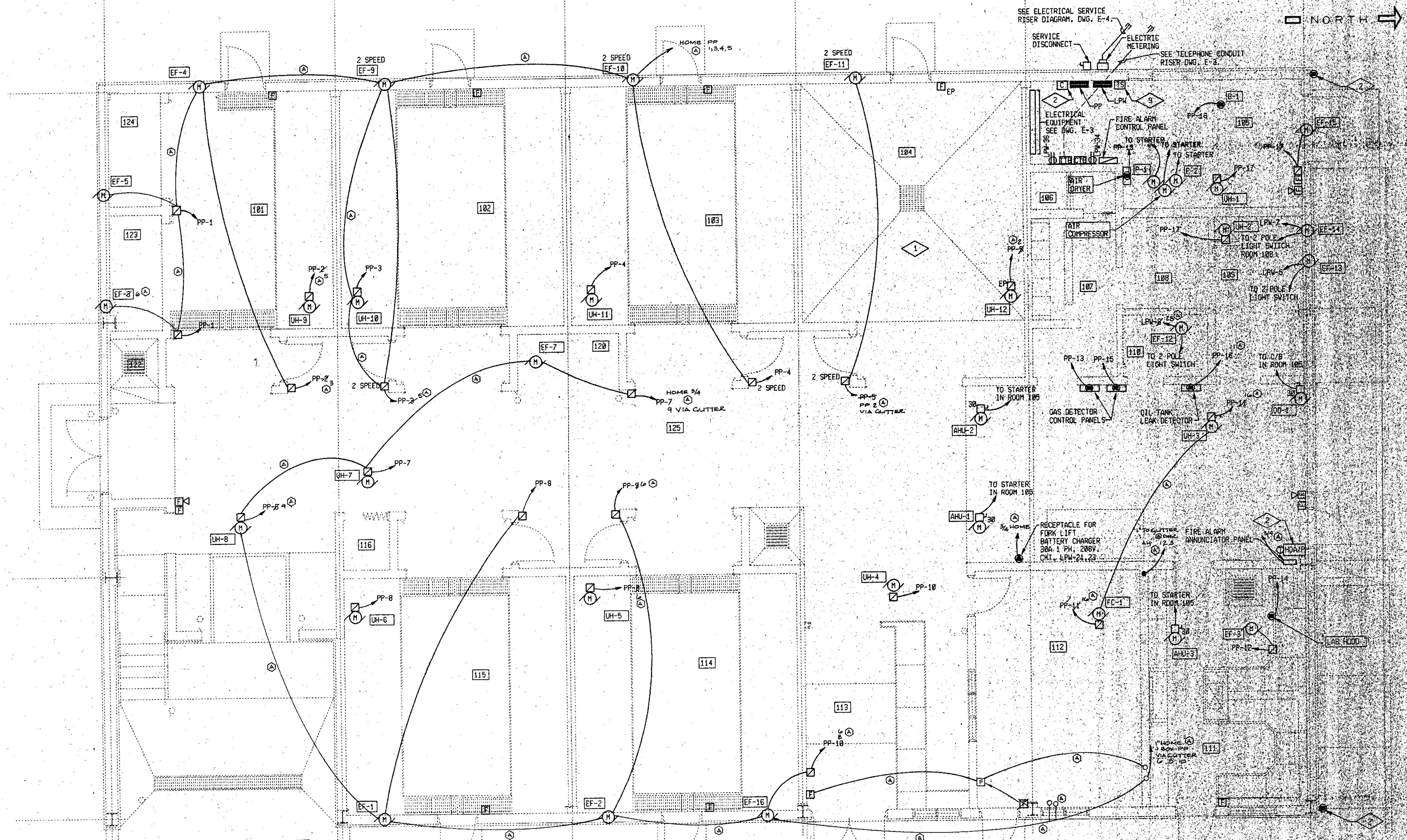
CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

STATE OF ALASKA 49th REGISTERED PROFESSIONAL ENGINEER DARREL E. SCHLEICHER EE 7398
Feb. 8, 1988

Sheet No.	28
File No.	A-50857
Project No.	15286

E-1
Drawing No.

221-3



Feb. 8, 1988

RECORD DRAWING

1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS
2. CONTRACTOR: GAMBLE CONSTRUCTION
   CONSTRUCTION PERIOD: 1988-1989
3. DRAWING REVISIONS BY: GLB
   DATE: 6-29-89
4. CHECKED BY: DAC
   DATE: 7-24-89

FLOOR PLAN

1/4"=1'-0"

PLAN NOTES:

1. ELECTRICAL WORK IN STAGING PACKING ROOM TO COMPLY WITH NEC CLASS I, DIVISION 1, GROUP C & D HAZARDOUS CLASSIFIED LOCATION REQUIREMENTS BELOW 8'0" AND CLASS I, DIVISION 2 ABOVE 8'0".
2. SEE GUTTER AND DOWN SPOUT HEAT TRACE RISER DIAGRAM DWG. E-2.
3. TIME CLOCK, SEE OUTSIDE LIGHTING RISER DIAGRAM, DRAWING E-3.

GENERAL NOTES:

1. MANUAL STARTERS TO BE MOUNTED AT 60" AFF.

POWER FLOOR PLAN

REFERENCE FILES R1=OS2:[3400013]BORDER.REF (LV=11-20) R2=OS2:[3400013]PLN1.ARC R3=

WU- 8000 PLOT SCALE-4 PLOT NAME-E2 (FULL SIZE)

CONTRACT DRAWINGS

HAZARDOUS WASTE STORAGE FACILITY

ANCHORAGE REGIONAL LANDFILL SITE

ANCHORAGE, ALASKA

Donohue Engineers & Architects

DOWL ENGINEERS

Scale: 1/4"=1'-0" | Designer | Drafter | Checker | Approver

Revisions | No. | By | Date

Sheet No. 29

File No. A-5095B

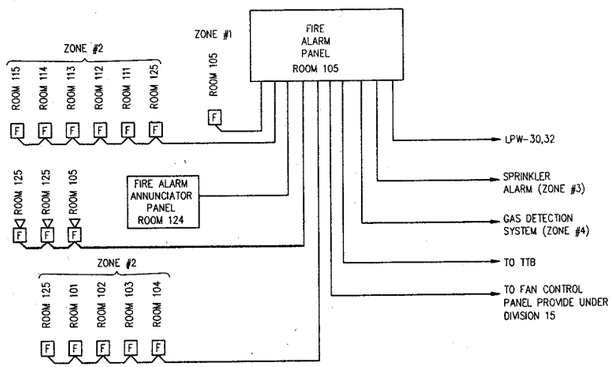
Project No. 15286

Drawing No. E-2

DESIGN FILE OS2:[3400013]PLN1P 221-3 E6 11

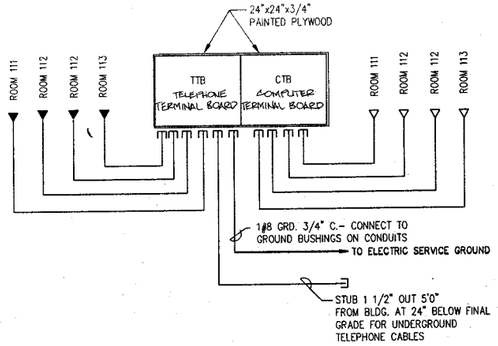
JUL 27 1989

221-2



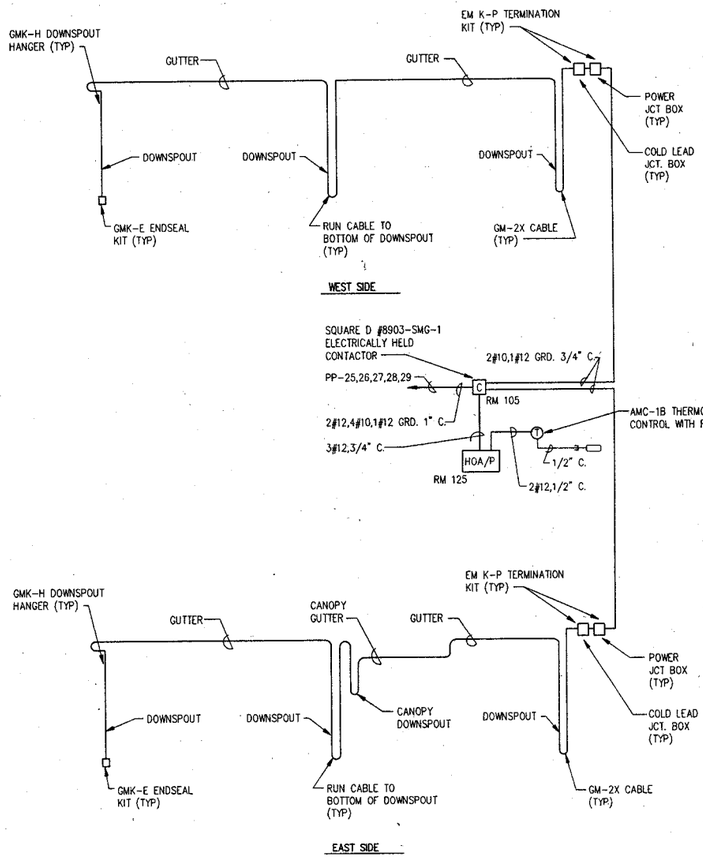
FIRE ALARM RISER

NTS



TELEPHONE CONDUIT RISER

NTS

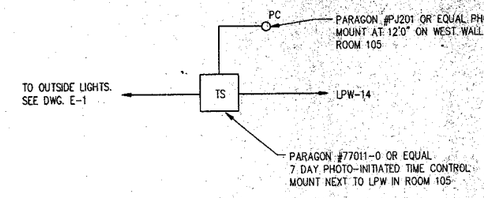


GUTTER AND DOWNSPOUT HEAT TRACE RISER DIAGRAM

NTS

LIGHTING FIXTURE SCHEDULE

FIX. DES.	LAMPS NO.	LAMPS ORD. ABB.	DESCRIPTION/CATALOG NO.	FINISH	LENS	MOUNTING
A	2	F40CW	1X4 ENCLOSED AND GASKETED FLUORESCENT DAYBRITE CAT. NO. R41241 OR EQUAL	HIGH IMPACT THERMOPLASTIC	HIGH IMPACT ACRYLIC	MOUNT ON UNISTRUT CHANNEL @ 12'0" AFF EXCEPT AS NOTED
B	2	F40CW	1X4 ENCLOSED AND GASKETED FLUOR. SUITABLE FOR CLASS I, DIVISION 2 AREA KEENE CAT. NO. HPFVC240 OR EQUAL	–	CLEAR PLATE	MOUNT ON UNISTRUT CHANNEL @12'0" AFF
C	2	F40CW	1X4 INDUSTRIAL FLUORESCENT DAYBRITE CAT. NO. 4021IW-4 OR EQUAL	WHITE POLYESTER POWDER COATING	–	SWIVEL HANGER AND STEM FOR 8'0" MTG. HGT.
D	2	F40CW	1X4 LAY-IN TROFFER DAYBRITE CAT. NO. CG142-C02A-120 OR EQUAL	BAKED WHITE ENAMEL	PRISMATIC ACRYLIC	RECESSED
E	2	F30T12/CW	3' WALL MOUNT FLUORESCENT DAYBRITE CAT. NO. A2230W OR EQUAL	BAKED WHITE ENAMEL	PRISMATIC ACRYLIC	WALL MOUNT @7'6" AFF
F	2	F40CW	2X4 LAY-IN TROFFER DAYBRITE CAT. NO. CG242-C02D-120 OR EQUAL	BAKED WHITE ENAMEL	PRISMATIC ACRYLIC	RECESSED
G	1	75A	INCANDESCENT SHOWER LIGHT MARKSTONE CAT. NO. WS4042 OR EQUAL	ALUMINUM	DROP WHITE OPAL	RECESSED
H	1	70LU	70W HPS WALL PACK JPL CAT. NO. WS2-P-70-120-HPF-PC OR EQUAL	DARK BRONZE ENAMEL	POLYCARBONATE	WALL MOUNT @12'0" AFG UNLESS NOTED OTHERWISE
J	1	LU70	70W HPS SURFACE MOUNT FIXTURE KENALL CAT. NO. 5320-9051 OR EQUAL	BRONZE	POLYCARBONATE	SURFACE CEILING
K	3	F40CW	2X4 LAY-IN TROFFER DAYBRITE CAT. NO. CG243-C02D-120 OR EQUAL (2 LEVEL SWITCHING)	BAKED WHITE ENAMEL	PRISMATIC ACRYLIC	RECESSED
L	1	50LU	50W HPS DOCK LIGHT HUBBEL CAT. NO. NRG-931-D60 OR EQUAL	BLACK POLYCARBONATE	GLASS	WALL MOUNT AT 7'6" AFF
		WITH UNIT	EMERGENCY BATTER LIGHT ELS CAT. NO. B12D-192-2 OR EQUAL	GRAY	–	WALL MOUNT AT 8'0" AFF
		WITH UNIT	EXIT LIGHT – 6" RED LETTERS WITH BATTERY PACK DEVINE CAT. NO. UB1200RW/ DVUB180EM OR EQUAL	MATTE BLACK ENAMEL	STENCIL	DOUBLE OR SINGLE FACED ARROWS AND MTG AS SHOWN ON PLANS
EP	–	–	SELF LUMINOUS UNIVERSAL MOUNT EXIT SIGN. ARROWS AS INDICATED. SRDI CAT. #411 OR EQUAL	ABS PLASTIC	–	WALL MOUNTED ABOVE DOOR



OUTSIDE LIGHTING RISER DIAGRAM

NTS

RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S REDLINE DWGS (NO REVISIONS NOTED)
2. CONTRACTOR: GAMBLE CONSTRUCTION CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: GWB DATE: 6/29/89
4. CHECKED BY: DAC DATE: 7-24-89

STATE OF ALASKA 49TH DARREL E. SCHLEICHER EE 7398 REGISTERED PROFESSIONAL ENGINEER
Feb. 8, 1988

SCHEDULES AND DETAILS

221-2

DESIGN FILE

REFERENCE FILES R1= R2= R3=

W1= PLOT SCALE= PLOT NAME= (FULL SIZE)

W2= PLOT SCALE= PLOT NAME= (FULL SIZE)

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DONOHUE ENGINEERS

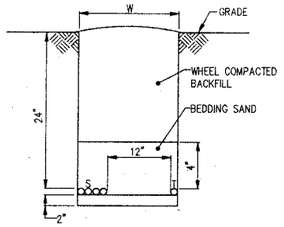
Scale	NONE				DAC	6-29-89
Date	2/5/88					
Designer	JCM					
Drafter	MRJ					
Checker	MRW	AS-BUILT REVISIONS				
Approver	DAS	No.	Revisions	By	Date	

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

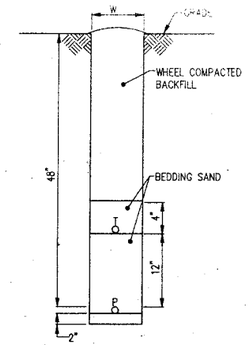
Sheet No.
File No.
Project No.
E-3
Drawing No.

JUL 27 1989

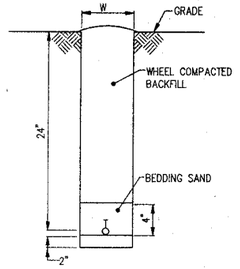
221-1



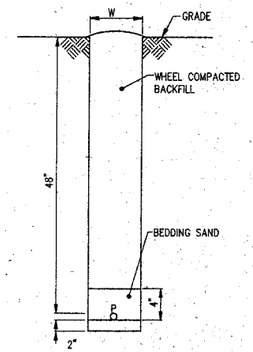
SECONDARY AND TELEPHONE TRENCH
NTS



PRIMARY AND TELEPHONE TRENCH
NTS



TELEPHONE TRENCH
NTS



PRIMARY TRENCH
NTS

TRENCH DETAILS
NTS

SURFACE MOUNTED
120 / 208 V, 3 PHASE, 4 WIRE

PANEL SCHEDULE PP

UL RATED SERVICE ENTRANCE — 1 — 400A MAIN BREAKER, 225A BUS

CKT. NO.	TRIP/P	DESCRIPTION	PHASE A	PHASE B	PHASE C	DESCRIPTION	TRIP/P	CKT. NO.
1	20/1	EF-5,EF-6	390			EF-4, UH-9	20/1	2
3	20/1	EF-9, UH-10	600	840		EF-10, UH-11	20/1	4
5	20/1	EF-11, UH-12		840	710	~~UH-8~~ EF #2 UH #5 (A)	20/1	6
7	20/1	EF-7, UH-7	370		370	EF-1, UH-6	20/1	8
9	20/1	~~EF-2, UH-6~~ UH #8 (A)	710	710		EF-16,UH-4	20/1	10
11	20/1	~~UH-3,FC-1~~ OIL TANK LEAK DET (A)			305	EF-3		12
13	20/1	GAS DETECTOR	250		535	LAB HOOD	20/1	14
15	20/1	~~GAS DETECTOR~~ CONTROL PANEL (A)	600	250		OIL TANK ~~LEAK DETECTOR~~ UH & FC1 (A)	20/1	16
17	20/1	UH-2, UH-3, EF-15		250			20/1	18
19	20/1	AIR DRYER	250		755	BOILER B-1	20/1	20
21	30/2	BATTERY CHARGER		2000		~~SPARE~~ FUME HOOD (A)	20/1	22
23					2000	~~SPARE~~	20/1	24
25	30/2	EAST GUTTER HEAT TRACE	1000			SPARE	20/1	26
27	1		1000	1000		WEST GUTTER HEAT TRACE	30/2	28
29	20/1	GUTTER HEAT TRACE CONTROL		1000	250	SPARE	1	30
31			6670			SPARE	20/1	32
33	100/3	FEEDER TO PANEL LPW	500	5770				34
35				500	5205	OVERHEAD DOOR OPERATOR (1)	15/3	36
37			14374		500			38
39	225/3	FEEDER TO 208V WIREWAY (1)		14374		BLANK		40
41					14374			42
			26714	28244	25504			

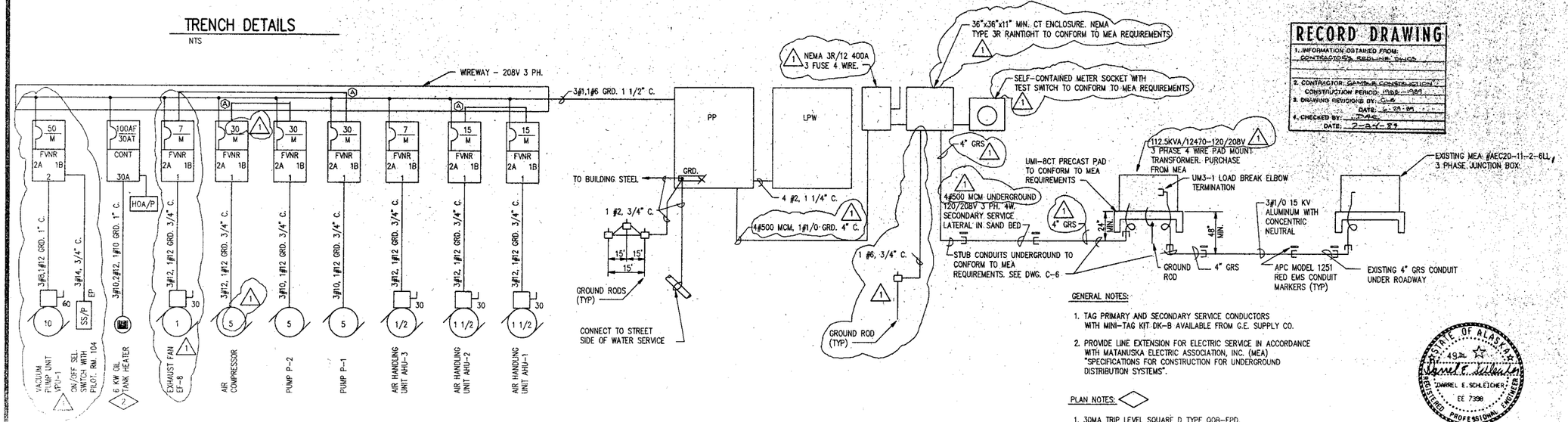
TOTAL LOAD = 805 KVA

SURFACE MOUNTED
120 / 208 V, 3 PHASE, 4 WIRE

PANEL SCHEDULE LPW

— MAIN BREAKER, 225A BUS

CKT. NO.	TRIP/P	DESCRIPTION	PHASE A	PHASE B	PHASE C	DESCRIPTION	TRIP/P	CKT. NO.
1	20/1	LIGHTING RMS. 101, 123, 124	600			LIGHTING RM.S ~~102, 103, 120~~ 100,107,108, EF 13 (A)	20/1	2
3	20/1	LIGHTING RM. ~~104~~ 102,103,120 (A)	900	800		LIGHTING RM. ~~105~~ 115, 114 (A)	20/1	4
5	20/1	LIGHTING RM. ~~106,107,108, EF 13~~ 104 (A)		500	905	~~NIGHT LIGHT RM. 125~~ 115, 116 LTG. DOCK (A)	20/1	6
7	20/1	LIGHTING RM. 109, ~~EF-14~~ 13 (A)	400		100	~~LIGHTING RM. 110, EF-12~~ RECEPT 125 (A)	20/1	8
9	20/1	LIGHTING RM. 111	200	600		LIGHTING RM. ~~112~~ BAH. LTG (A)	20/1	10
11	20/1	LIGHTING RMS. ~~113, 114~~ 105 (A)		600	800			12
13	20/1	LIGHTING RM. 125	1000		1000	LIGHTING RMS. ~~115,116,LOAD DOCK~~ NITE LIGHT 125 (A)	20/1	14
15	20/1	EXIT LIGHTING	1100	560		OUTSIDE LIGHTING	20/1	16
17	20/1	~~RECEPTACLE RM. 125~~ LTG RM 112 (A)		720		RECEPTACLES RM. 125	20/1	18
19	20/1	RECEPTACLES RM. ~~107, 109, 110~~ 112 (A)	720		720	RECEPTACLES ~~RM. 105~~ EXTERIOR (A)	20/1	20
21	20/1	RECEPTACLES RM. 112	900	360	540	RECEPTACLES RM. 111	20/1	22
23	20/1	RECEPTACLES RM. 113		720		RECEPTACLES RM. 111	20/1	24
25	20/1	EXTERIOR RECEPTACLE	300		720	EXTERIOR RECEPTACLE	20/1	26
27	20/1	EWC RECEPTACLE	300	200	300	~~EXTERIOR~~ RECEPTACLE 105 (A)	20/1	28
29	20/1	SPARE		100		~~BATTERY LIGHTS~~ (A)	20/1	30
31	20/1	SPARE	250		250	FACP	20/1	32
33	20/1	RECEPTACLES RM. ~~112~~ 109, 107, 110 (A)		360		FACP	20/1	34
35	20/1	SPARE		250	—	RECEPTACLE CTB	20/1	36
37		SPACE	—	—	—	RECEPTACLE TTB	20/1	38
39		SPACE	—	—	—	SPACE		40
41		SPACE		—	—	SPACE		42
			6670	5770	5205	SPACE		



DISTRIBUTION ONE-LINE DIAGRAM & ELECTRICAL SERVICE RISER DIAGRAM

RECORD DRAWING
1. INFORMATION OBTAINED FROM: CONTRACTOR'S RED-LINE DWGS
2. CONTRACTOR: SANNER CONSTRUCTION
CONSTRUCTION PERIOD: 1988 - 1989
3. DRAWING REVISIONS BY: C-S
DATE: 6-28-89
4. CHECKED BY: [illegible]
DATE: 7-24-89

GENERAL NOTES:

1. TAG PRIMARY AND SECONDARY SERVICE CONDUCTORS WITH MINI-TAG KIT DK-B AVAILABLE FROM G.E. SUPPLY CO.
2. PROVIDE LINE EXTENSION FOR ELECTRIC SERVICE IN ACCORDANCE WITH MATANUSKA ELECTRIC ASSOCIATION, INC. (MEA) "SPECIFICATIONS FOR CONSTRUCTION FOR UNDERGROUND DISTRIBUTION SYSTEMS".

PLAN NOTES: ◇

1. 30MA TRIP LEVEL SQUARE D TYPE QOB-EPD.
2. CONNECT WITH LIQUIDTIGHT FLEX CONDUIT. SEE SHEET C-6 FOR LOCATION.

STATE OF ALASKA — DARREL E. SCHLEICHER — EE 7398 — REGISTERED PROFESSIONAL ENGINEER — Feb 8, 1988

SCHEDULES AND DIAGRAMS

Donohue Engineers & Architects
COMPUTER AIDED DESIGN/DRAFTING
DONOHUE ENGINEERS

By	Date	Revisions
DJS	1	ADD. #1 GEN. REVISIONS
MRJ	2	AS-BUILT PER CONTRACTOR'S RED-LINE DWGS

Scale NONE
Date 2/5/88
Designer JGM
Drafter MRJ
Checker WRW
Approver DJS

CONTRACT DRAWINGS
HAZARDOUS WASTE STORAGE FACILITY
ANCHORAGE REGIONAL LANDFILL SITE
ANCHORAGE, ALASKA

Sheet No. 31
File No. A-50854
Project No. 15286
E-4
Drawing No. ©

DESIGN FILE 221-1