

80310
COVER
ARL-L-E.F.

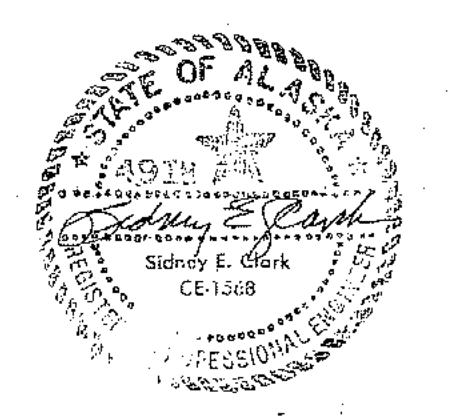
SOLID WASTE TRANSFER FACILITIES

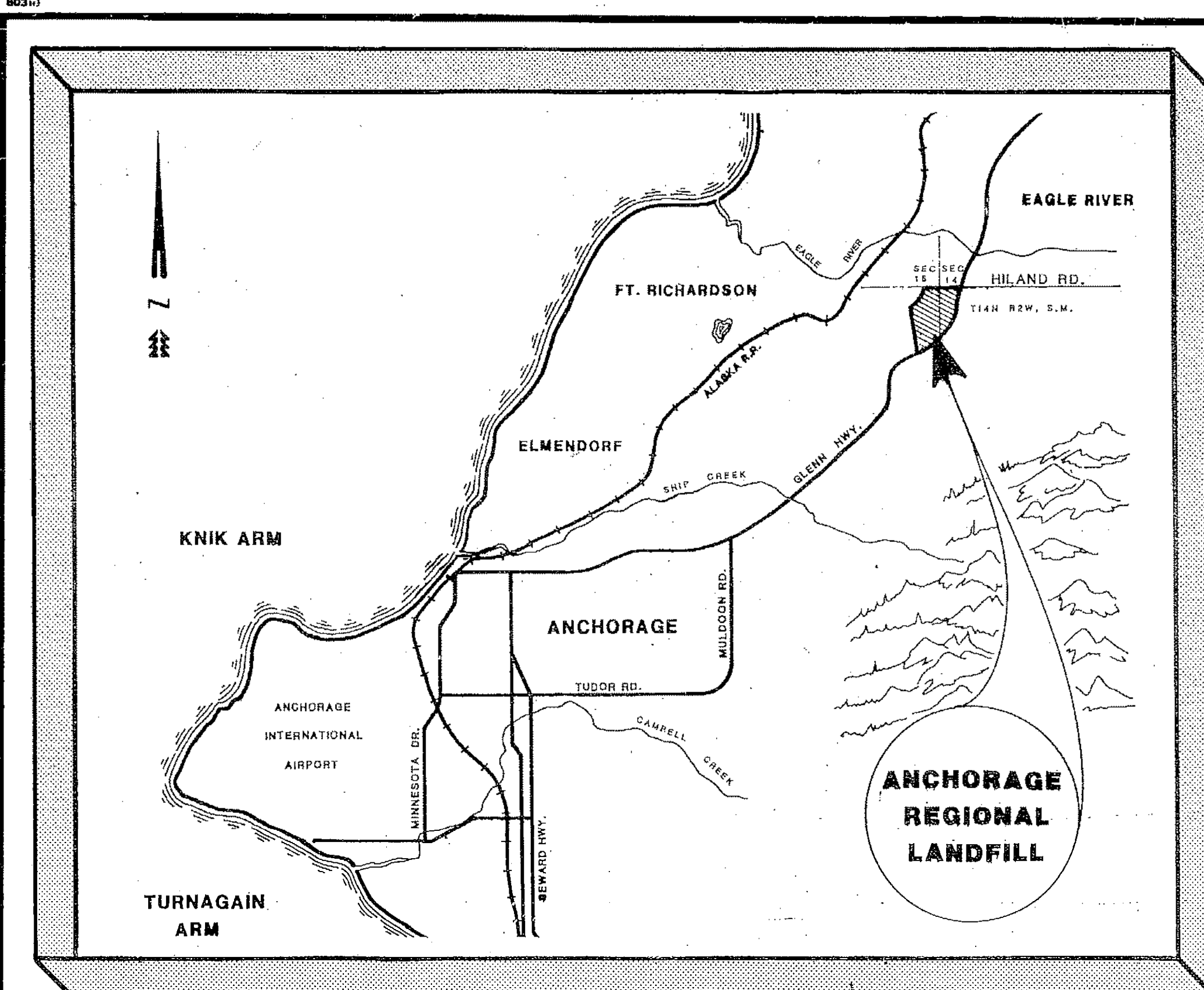
LANDFILL ENTRANCE FACILITY
CONTRACT NO. 5

FOR

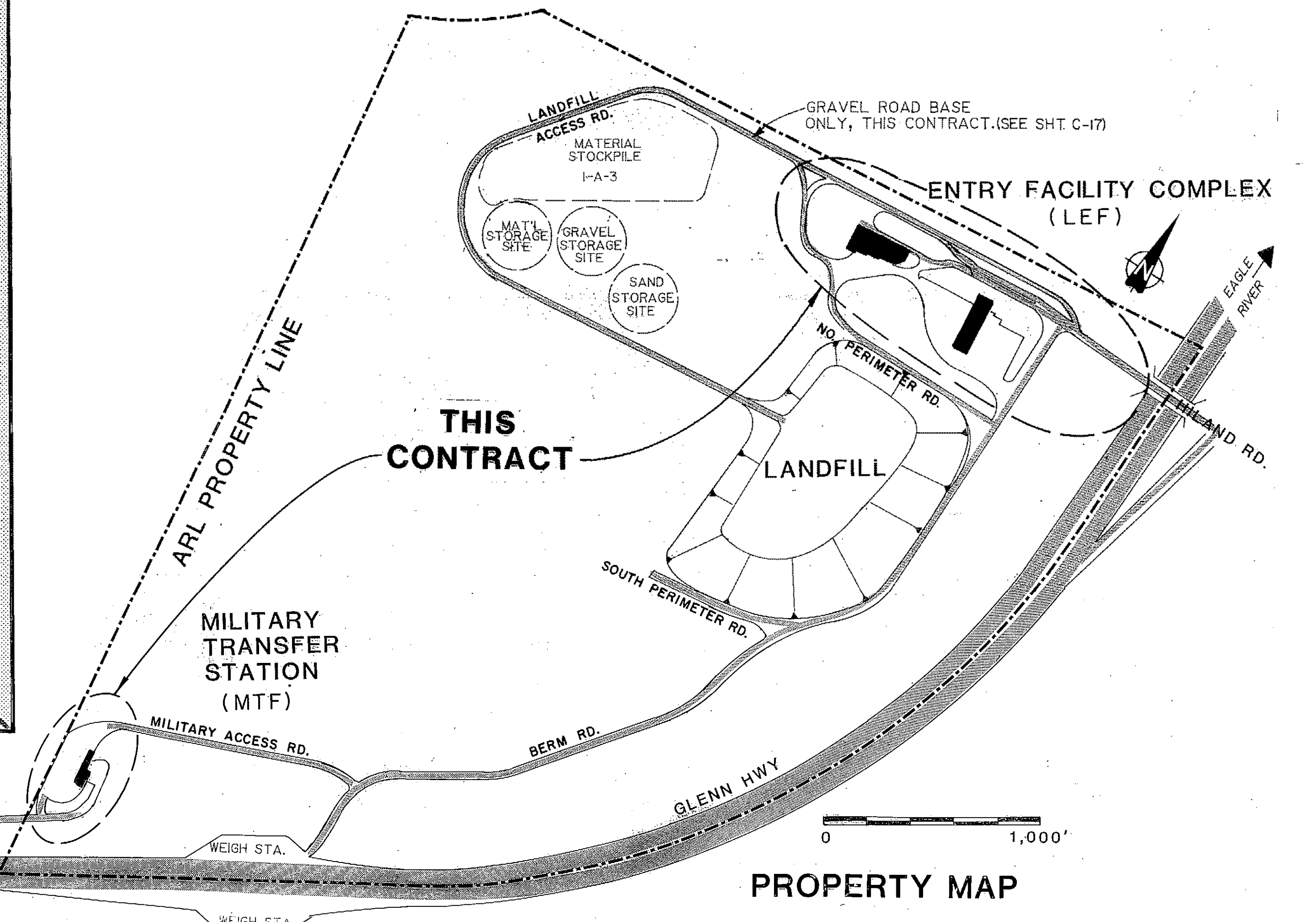


FEB. 1987





LOCATION MAP



PROPERTY MAP

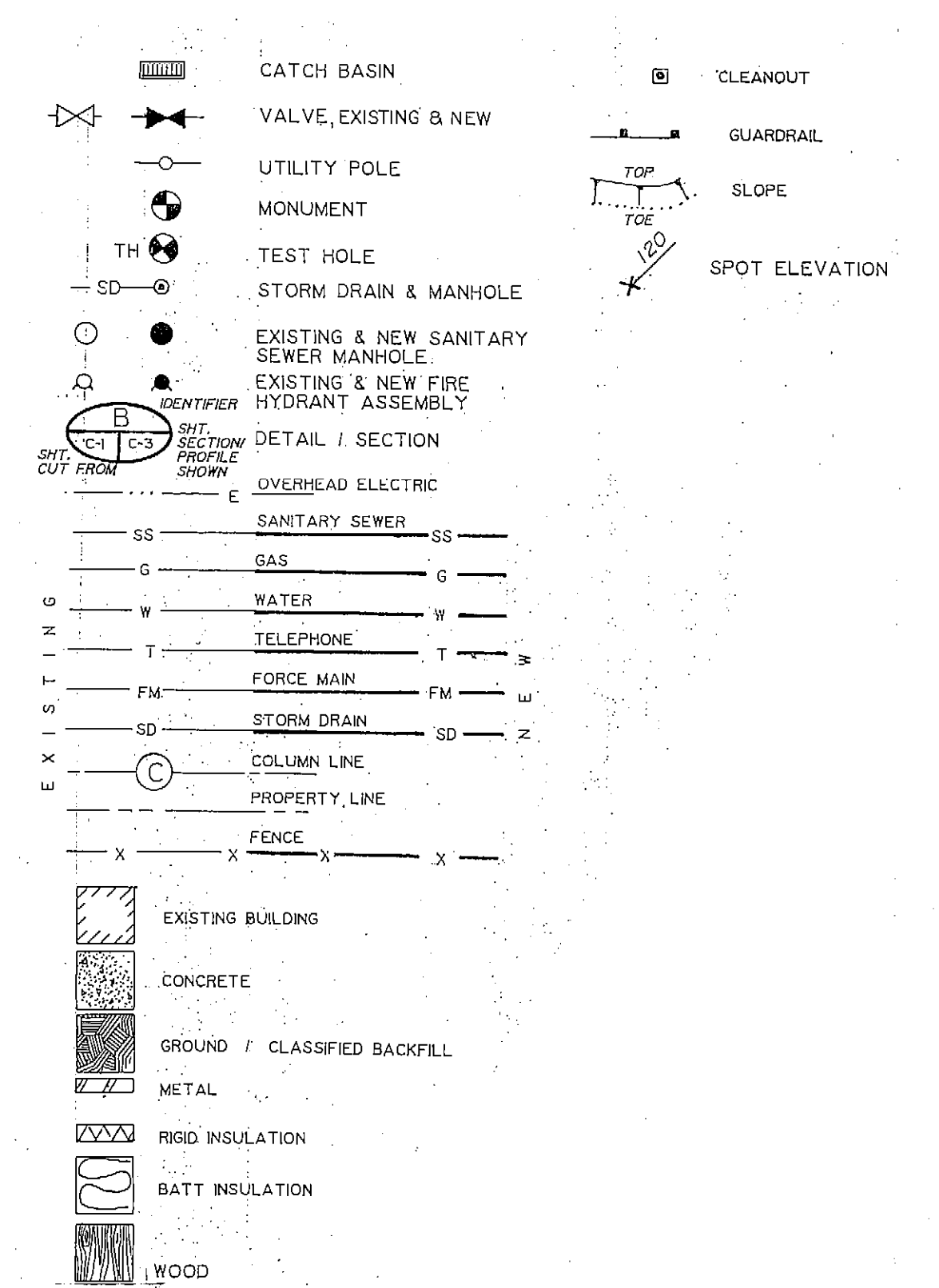
SHEET INDEX

- General**
- G-1 Cover Sheet
 - G-2 General Information
- Civil**
- C-1 LEF - Existing Site Plan & Utilities
 - C-2 LEF - New Site Plan & Utilities
 - C-3 LEF - Coordinate Geometry Plan
 - C-4 LEF - Drainage Plan
 - C-5 LEF - Surfacing & Traffic Plan
 - C-6 LEF - Civil Sitework Details
 - C-7 LEF - Drainage Systems Plans
 - C-8 LEF - Drainage Systems Profiles & Details
 - C-9 LEF - Cross Sections
 - C-10 LEF - Traffic Control Details
 - C-11 LEF - Water Storage & Supply Systems
 - C-12 LEF - Fuel & Oil Storage System Details
 - C-13 MTF - Existing Site Plan
 - C-14 MTF - New Site Plan
 - C-15 MTF - Traffic Control Plan & Power Supply
 - C-16 Gates, Fencing, & Miscellaneous Details
 - C-17 Landfill Access Road - Gravel Road Base
 - C-18 Spoils Disposal Sites
- Architectural**
- A-1 Maint/Admin - Floor Plan, Exterior Elevations, Legend
 - A-2 Maint/Admin - Maintenance Building Floor Plans, Details
 - A-3 Maint/Admin - Admin Floor Plan, Refl. Ceiling Plan
 - A-4 Maint/Admin - Roof Plan, Sections, and Details
 - A-5 Maint/Admin - Building Sections
 - A-6 Maint/Admin - Building Section, Wall Section, Entrance Sections, & Details
 - A-7 Maint/Admin - Wall Sections
 - A-8 Maint/Admin - 1/4" Plans - Interior Elevations
 - A-9 Maint/Admin - Interior Elevations, Section, & Details
 - A-10 Maint/Admin - Details
 - A-11 Maint/Admin - Wall Types, Window/Door Details
 - A-12 Maint/Admin - Door/Window Elevations & Details
 - A-13 ~~Maint/Admin - Roof - Diaphragm - Nailing - Schedule - Penthouse - Floor Plan - & Sections - DELETED~~
 - A-14 Maint/Admin - Miscellaneous Details/Door Details
 - A-15 Maint/Admin - Door & Window Elevations, Door Types, Room Finish/Door Schedules
 - A-16 Scale House - Plan, Elevations, Sections
 - A-17 Scale House - Details, Schedules
 - A-18 Transfer Building - Floor Plans, Elevations
 - A-19 Transfer Building - Details, Sections
- Structural**
- S-1 Maint/Admin - Foundation & Floor Plan
 - S-2 Maint/Admin - Roof Framing
 - S-3 Maint/Admin - Wall Elevations
 - S-4 Maint/Admin - Details
 - S-5 Maint/Admin - Details
 - S-6 Scale House - Foundation Plan, Sections, Details
 - S-7 Scale House - Framing Plan
 - S-8 Scale House - Structural Details
 - S-9 Scale Pit - Scale Pit & Details
 - S-10 Scale Pit - Scale Deck & Details
 - S-11 Transfer Facilities - Foundation Plans
 - S-12 Transfer Facilities - Floor Plans
 - S-13 Transfer Facilities - Roof Framing
 - S-14 Transfer Facilities - Sections
 - S-15 Pump House Structure
 - S-16 Fuel Station
 - S-17 Miscellaneous Details
 - S-18 Pump House Details
 - S-19 Maint/Admin - Roof Diaphragm Nailing Schedule & Misc. Details

ABBREVIATIONS

AB	Anchor Bolt	ELEC	Electric	K	Kip (1000 Lb)	SC	Solid Core
ABV	Above	ELECT	Electrical	KD	Kiln Dried	SV	Sheet Vinyl
AC	Asphalt Concrete	ENGR	Engineer	LAM	Laminat	SUSP	Suspended
AIR COND	Air Condition	ENGRG	Engineering	LAB	Laboratory	SOFF	Soffit
APFD	Approved	EQUIP	Expansion	LAV	Lavatory	SIM	Similar
APPROX	Approximate	EA	Each	LAV	Lavatory	STL	Square Feet
ACOUNT/ACT	Acoustical	EL/ELEV	Elevation	STD	Standard	SHT	Sheet
ALUM	Aluminum	F	Fahrenheit	SHT	Sheet	SM	Sheet Metal
BLK'G	Blocking	FD	Floor Drain	TP	Tissue Paper	T	Tissue Paper
BD	Board	FDN	Foundation	TOP	Top Of Plate	TOP	Top Of Plate
BLDG	Building	FIG	Figure	TOS	Top Of Slab	T&G	Tongue & Groove
BTU	British Thermal Units	FIN	Finish	TYP	Typical	TYP	Typical
B.O. TRUSS	Bottom Of Truss	FIN GR	Finish Grade	MOT	Motor	T.O.	Top Of
BM	Beam	FL/FLASH'G	Flashing	MO	Masonry Opening	TJH	Truss Joist Hanger
BTWN	Between	FL/FLR	Floor	MR	Moisture Resistant	N	Number
BRG	Bearing	FLR EL	Floor Elevation	NO	Not To Scale	NTS	Not To Scale
B.O.	Bottom Of	FT (*)	Feet	NIC	Not In Contract	NFS	Non-Frost Susceptible
CFM	Cubic Feet per Minute	FTG	Footing	NFS	Non-Frost Susceptible	O	Occupancy
CI	Cast Iron	FIXT	Fixture	OC	On Center	OD	Outside Diameter
CIP	Cast Iron Pipe	FE	Fire Extinguisher	OHD	Overhead Door	OCC	Occupancy
CL	Centerline	F.O.	Face Of	P	Pavement	PVMT	Pressure Treated
CLO	Closet	G	Gas	P	Pump	PL	Plate
CMP	Corrugated Metal Pipe	GA	Gauge	PL	Plate	PL	Plate
CMU	Concrete Masonry Unit	GAL	Gallons	PL	Property Line	PT DISP	Paper Towel Dispenser
C/O	Cleanout	GALV	Galvanized	PL	Property Line	PLYWD	Plywood
COL	Column	GPM	Gallons per Minute	PL's	Plates	PL's	Plates
CONC	Concrete	GW/GYP BD	Gypsum Wallboard	RM	Room	REQD	Required
CND	Conduit	GLB	Glulam Beam	RO	Rough Opening	R	Radius
CNTSK	Countersink	HB	Hose Bib	R	Radius	RD	Roof Drain
CA	Compressed Air	HEX	Hexagon	REIN	Reinforcing or Reinforced		
CSC	Ceiling Support Clip	HP	Horsepower				
CONT	Continuous	HTR	Heater				
CARP	Carpeting	HW	Hot Water				
CLR	Clear	HM	Hollow Metal				
		HD	Head				
DWGS	Drawings	I	Inch				
DET	Detail	INSUL	Insulate or Insulation				
DI	Ductile Iron						
DIP	Ductile Iron Pipe						
DIA	Diameter						
DIM	Dimension						
DS	Downspout						
DBL	Double						
DF	Douglas Fir						

LEGEND

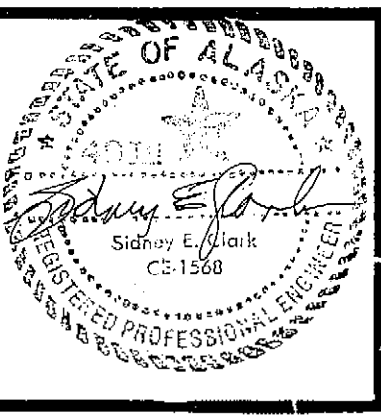


MAINTENANCE/ADMINISTRATION BUILDING CODE REQUIREMENTS

Building Department: M.O.A.
 Building Code: 1985 UBC with local amendments
 Fire Zone: MPL
 Construction Type: V - N Sprinklered
 Occupancy Types: Office B-2/Warm Storage & Maintenance Shop H-4
 Allowable Area Increases:
 A. Offices - 8,000 S.F. x 100% x 300% = 64,000 S.F.
 B. Shop - 5,100 S.F. x 100% x 300% = 40,800 S.F.
 Total Area Allowed: 104,800 S.F.
 Office & Scale House Area Provided: 6,953.65 S.F.
 Maintenance Shop Area Provided: 15,373.35 S.F.
 Total Area Provided: 22,327 S.F.
 Building Height, Maximum: 36'-0"
 Number of Stories: 1
 Exits
 Office
 A. Required: 1.89 ft. with 2 Exits
 B. Provided: 9 ft. with 3 Exits
 Maintenance Shop
 A. Required: 2.1 ft. with 2 Exits
 B. Provided: 12 ft. with 4 Exits
 Parking Required: 54.05 + 2 HCP = 56.05 Stalls
 Parking Provided: 39 + 16 Enclosed + 2 HCP = 57 Stalls

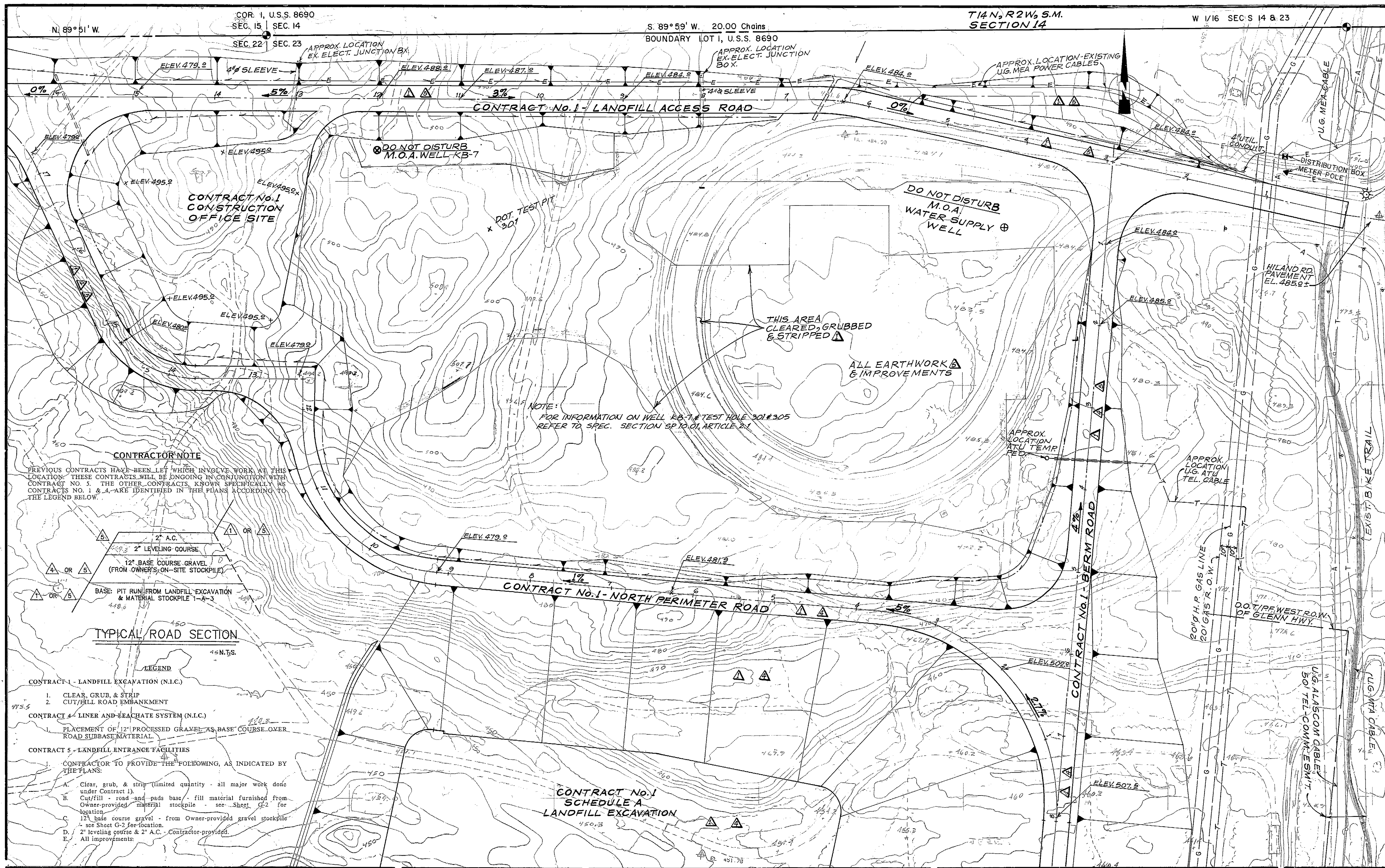
PROJECT NO. 86-010-02
 DESIGNED: WTH
 DRAWN: bh
 CHECKED: WTH
 DATE: FEB 24, 1987
 SCALE: AS SHOWN

NO.	REVISION	DATE BY



SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 GENERAL INFORMATION

LEFT EX. SITE & UTILITIES
C-1



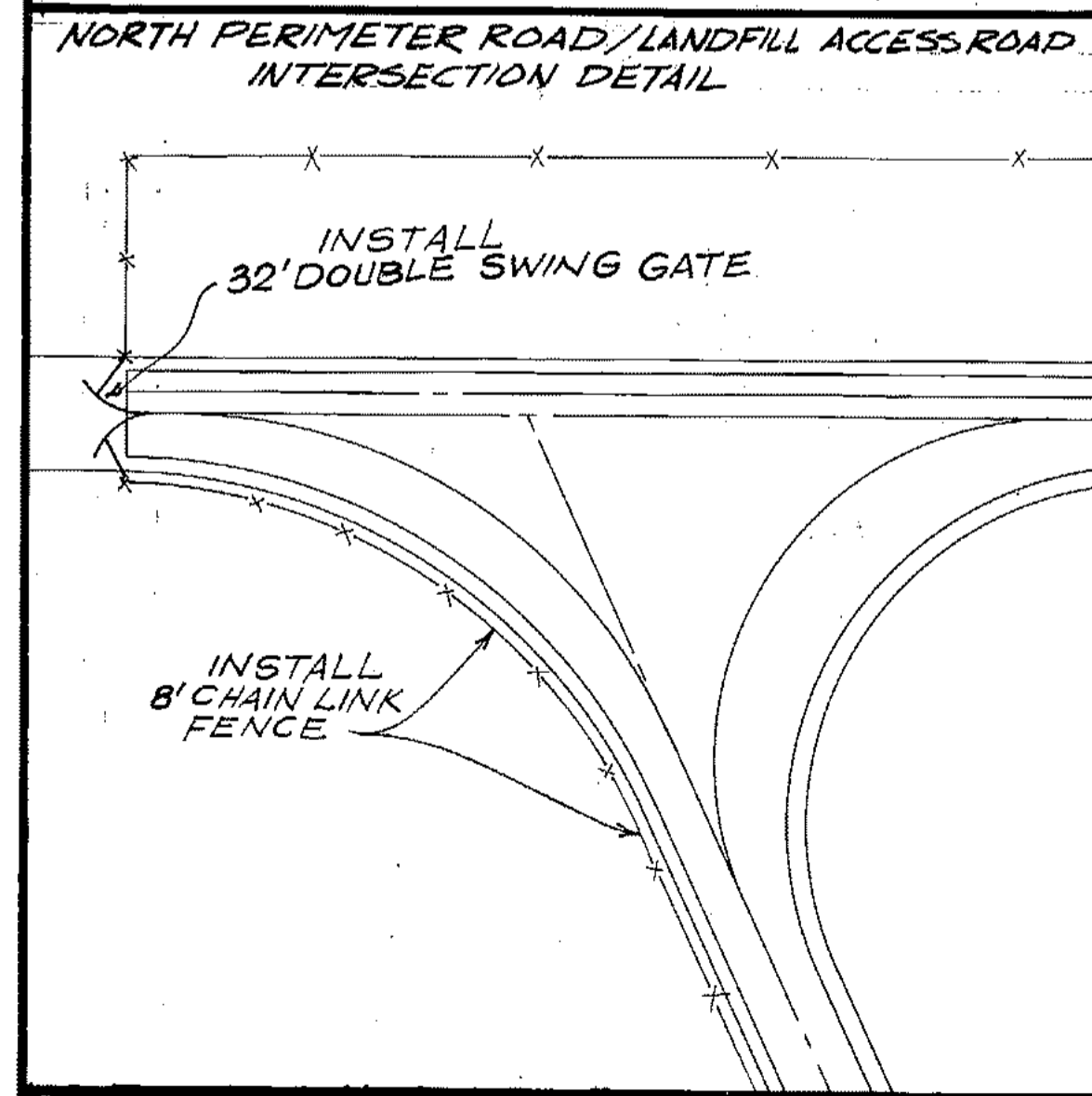
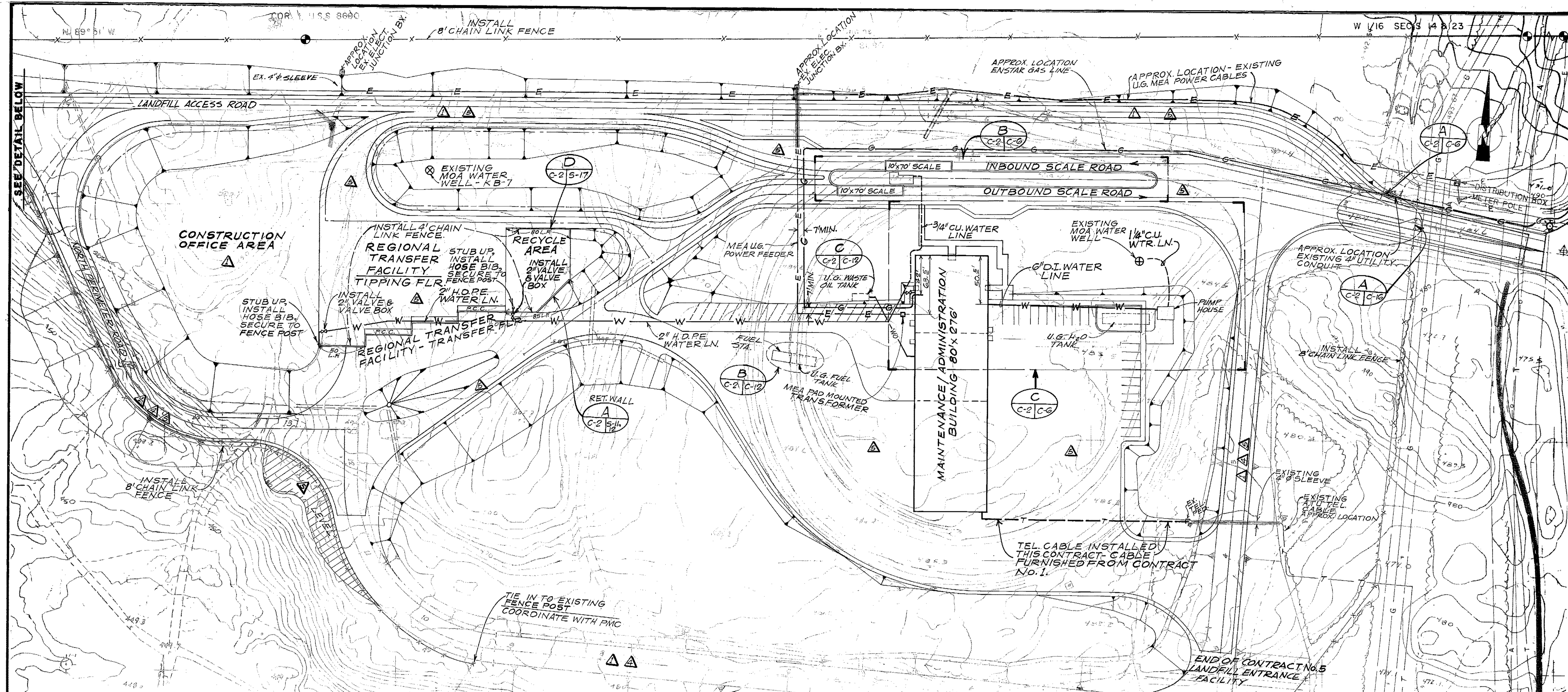
ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO. 86-010-02
 DESIGNED : WTH
 DRAWN : VMS
 CHECKED : WTH
 DATE : FEB 24, 1987
 SCALE : 1"=50'

NO.	REVISION	DATE	BY



SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility
EXISTING SITE PLAN & UTILITIES
 (AFTER COMPLETION OF CONTRACT NO. 1)
 CONTRACT NO. 5.



CONTRACTOR NOTE
 PREVIOUS CONTRACTS HAVE BEEN LET WHICH INVOLVE WORK AT THIS LOCATION. THESE CONTRACTS WILL BE CONSIDERED IN CONNECTION WITH CONTRACT NO. 5. THE OTHER CONTRACTS, KNOWN SPECIFICALLY AS CONTRACTS NO. 1, 2, 3, 4, ARE IDENTIFIED IN THE PLANS ACCORDING TO THE LEGEND BELOW.

TYPICAL ROAD SECTION
 N.T.S.

LEGEND

CONTRACT 1 - LANDFILL EXCAVATION (M.I.C.)
 1. CLEAR, GRUB, & STRIP
 2. CUT/FILL ROAD IMPROVEMENT

CONTRACT 4 - LINER AND LEACHATE SYSTEM (M.I.C.)
 1. PLACEMENT OF 12" PROCESSED GRAVEL AS BASE COURSE OVER ROAD SUBBASE MATERIAL

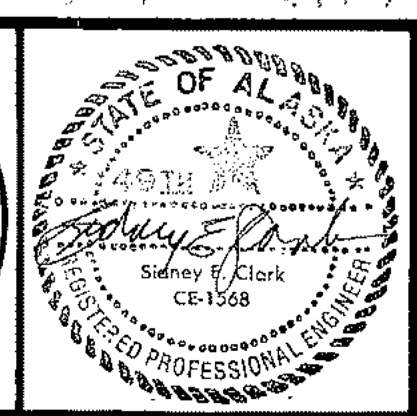
CONTRACT 5 - LANDFILL ENTRANCE FACILITIES
 1. CONTRACTOR TO PROVIDE THE FOLLOWING, AS INDICATED BY THE PLANS:
 A. Clear, grub, & strip (planted) - quantity - all major work done under Contract 1.
 B. CUT/FILL - road and pads base - fill material furnished from Owner-provided modified stockpile - see Sheet C-2 for location.
 C. 12" base course gravel - from Owner-provided gravel stockpile - see Sheet C-2 for location.
 D. 2" leveling course & 2" A.C. - Contractor-provided.
 E. All improvements.

- 1) ALL CUT/FILL SLOPES TO BE 2H:1V UNLESS OTHERWISE SHOWN.
- 2) ALL FILL MATERIAL TO BE GRAVEL, FROM ONSITE STOCKPILES PROVIDED IN CONTRACT NO. 1.
- 3) COORDINATE WITH PMC PRIOR TO PERFORMING ANY CLEARING OPERATIONS.
- 4) ALL FENCING TO BE 9 GAUGE WITH TOP RAIL.

ARCTIC ENGINEERS INC.
 ANCHORAGE, ALASKA

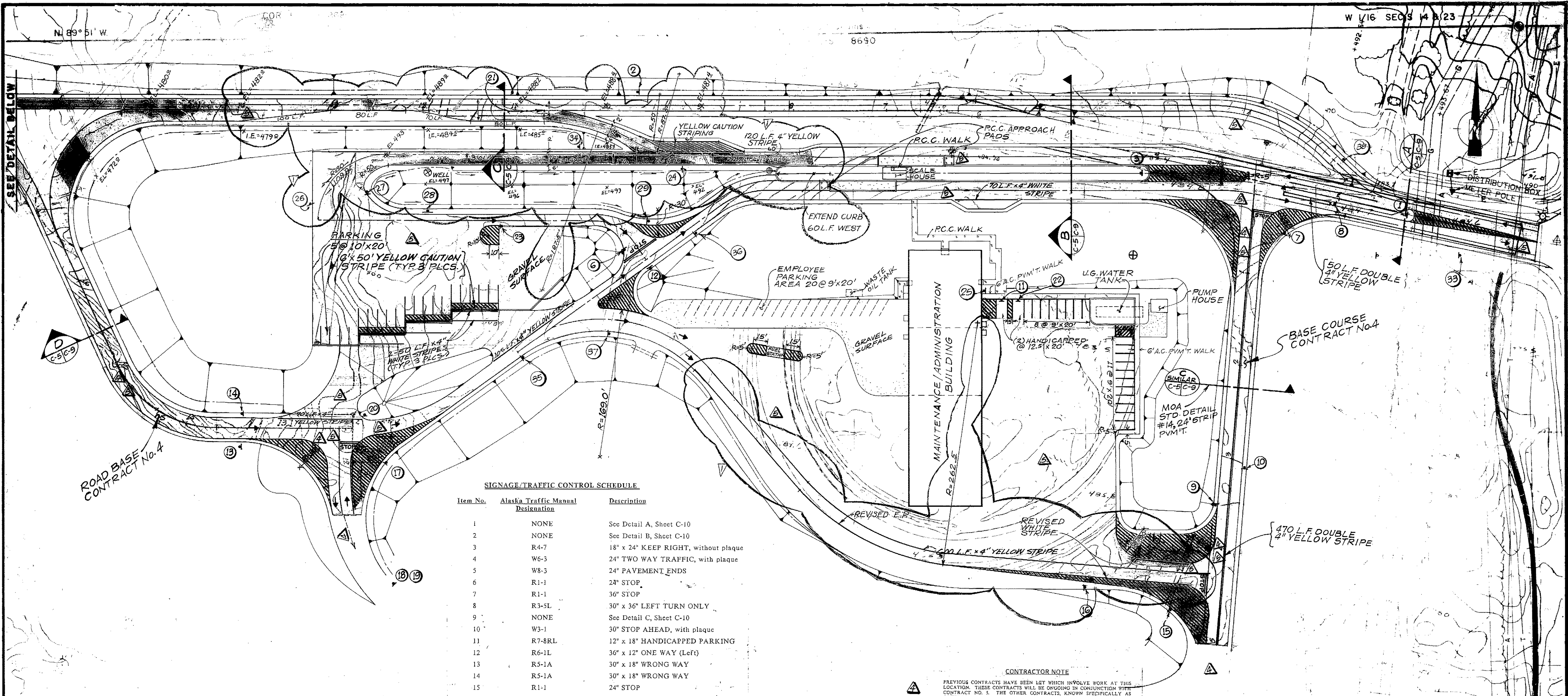
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 DESIGNED WITH
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 CHECKED WITH
 DATE: FEB 24, 1987
 SCALE: 1"=50'

NO.	REVISION	DATE BY



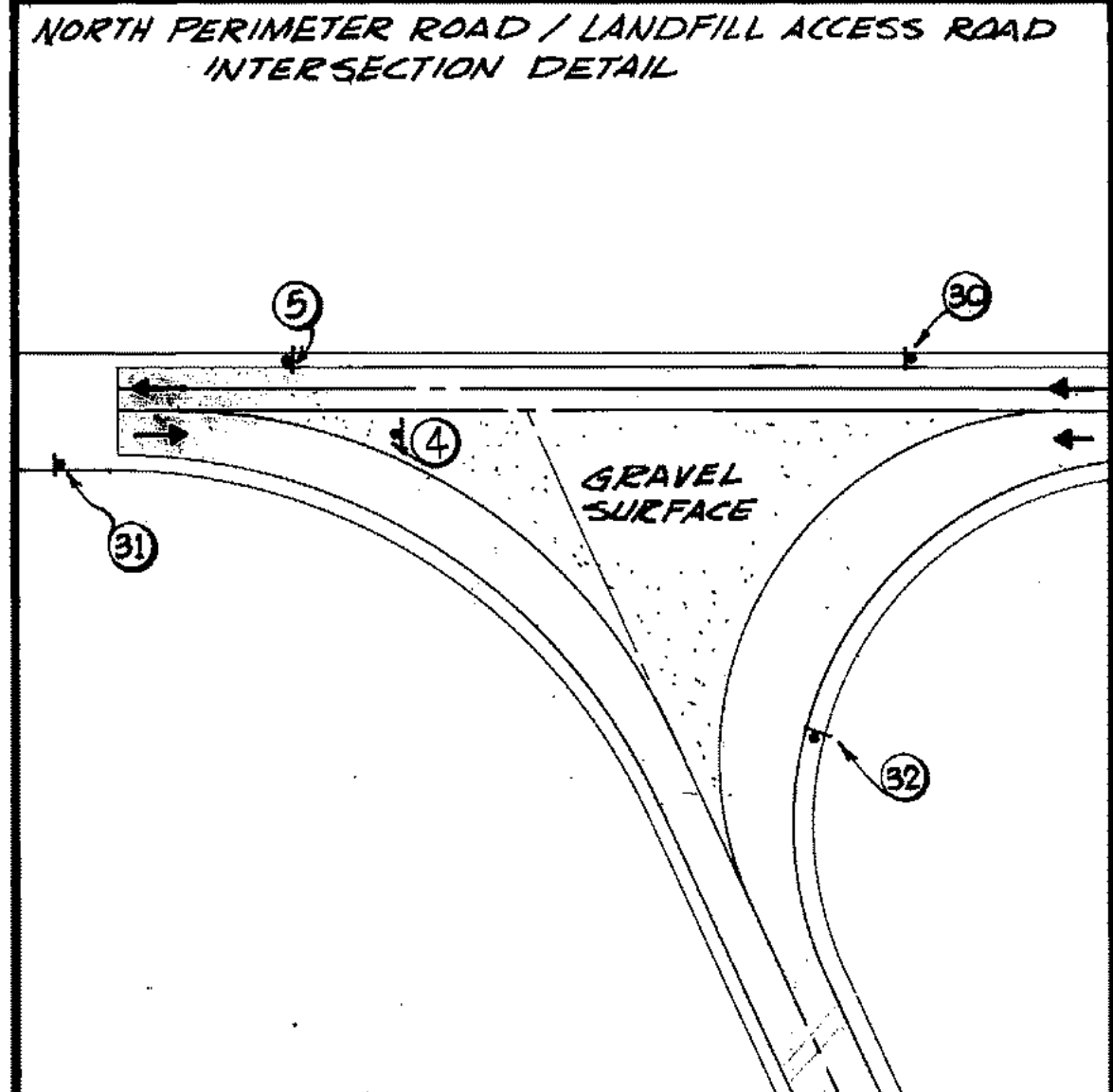
SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
NEW SITE PLAN & UTILITIES
 CONTRACT NO. 5

REVISED 8/7/80

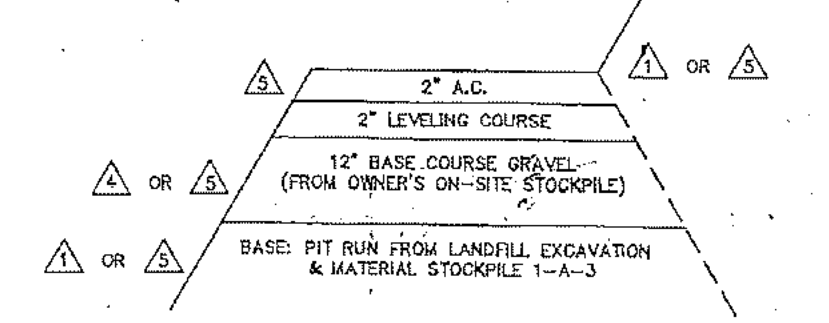


SIGNAGE/TRAFFIC CONTROL SCHEDULE

Item No.	Alaska Traffic Manual Designation	Description
1	NONE	See Detail A, Sheet C-10
2	NONE	See Detail B, Sheet C-10
3	R4-7	18" x 24" KEEP RIGHT, without plaque
4	W6-3	24" TWO WAY TRAFFIC, with plaque
5	W8-3	24" PAVEMENT ENDS
6	R1-1	24" STOP
7	R1-1	36" STOP
8	R3-5L	30" x 36" LEFT TURN ONLY
9	NONE	See Detail C, Sheet C-10
10	W3-1	30" STOP AHEAD, with plaque
11	R7-8RL	12" x 18" HANDICAPPED PARKING
12	R6-1L	36" x 12" ONE WAY (Left)
13	R5-1A	30" x 18" WRONG WAY
14	R5-1A	30" x 18" WRONG WAY
15	R1-1	24" STOP
16	W3-1	30" STOP AHEAD, with plaque
17	R1-1	24" STOP
18	W3-1	30" STOP AHEAD, with plaque
19	R3-5R	30" x 36" RIGHT TURN ONLY
20	R6-1R	36" x 12" ONE WAY (Right)
21	NONE	Traffic Delineators
22	R7-8RL	12" x 18" HANDICAPPED PARKING
23	III-R	Object Marker
24	NONE	See Detail D, Sheet C-10
25	NONE	See Detail C, Sheet C-10
26	R5-1A	30" x 18" WRONG WAY
27	R5-1A	30" x 18" WRONG WAY
28	M6-1R	21" x 15" Directional Arrow
29	R1-1	24" STOP
30	R5-1A	30" x 18" WRONG WAY
31	R4-7A	24" x 30" KEEP RIGHT
32	W4-1	24" Merging Traffic, with plaque
33	D11-1	24" x 18" BICYCLE ROUTE
34	NONE	See Detail E, Sheet C-10
35	NONE	See Detail F, Sheet C-10
36	NONE	See Detail F, Sheet C-10
37	NONE	See Detail G, Sheet C-10
38	NONE	See Detail G, Sheet C-10



CONTRACTOR NOTE
 PREVIOUS CONTRACTS HAVE BEEN LET WHICH INVOLVE WORK AT THIS LOCATION. THESE CONTRACTS WILL BE ONGOING IN CONJUNCTION WITH CONTRACT NO. 3. THE OTHER CONTRACTS, KNOWN SPECIFICALLY AS CONTRACTS NO. 1 & 4, ARE IDENTIFIED IN THE PLANS ACCORDING TO THE LISTING BELOW.



LEGEND

CONTRACT 1 - LANDFILL EXCAVATION (N.I.C.)
 1. CLEAR, GRUB, & STRIP
 2. CUT/FILL ROAD EMBANKMENT

CONTRACT 4 - LINER AND LEACHATE SYSTEM (N.I.C.)
 1. PLACEMENT OF 12\"/>

LEGEND

2\"/>

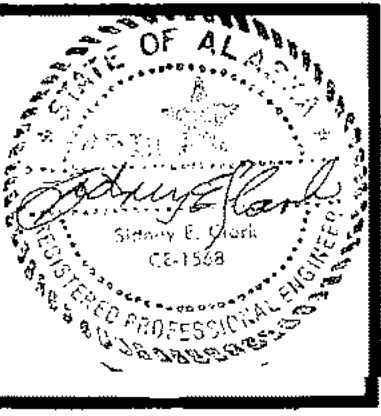
NOTES

- 1) ALL STRIPING TO BE 4\"/>
- 2) ALL SIGNS & MARKINGS TO BE FAB. & INSTALLED IN ACCORDANCE WITH ALASKA TRAFFIC MANUAL
- 3) ALL STRIPING PARALLELING ROAD CENTERLINE IS TO ALLOW 12\"/>
- 4) ALL PARKING SPACES ON PAVEMENT ARE TO BE DELINEATED WITH STRIPING

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

PROJECT NO. 86-012-02
 DESIGNED : WTH
 DRAWN : VMS
 CHECKED : WTH
 DATE : FEB 24, 1987
 SCALE : 1"=50'

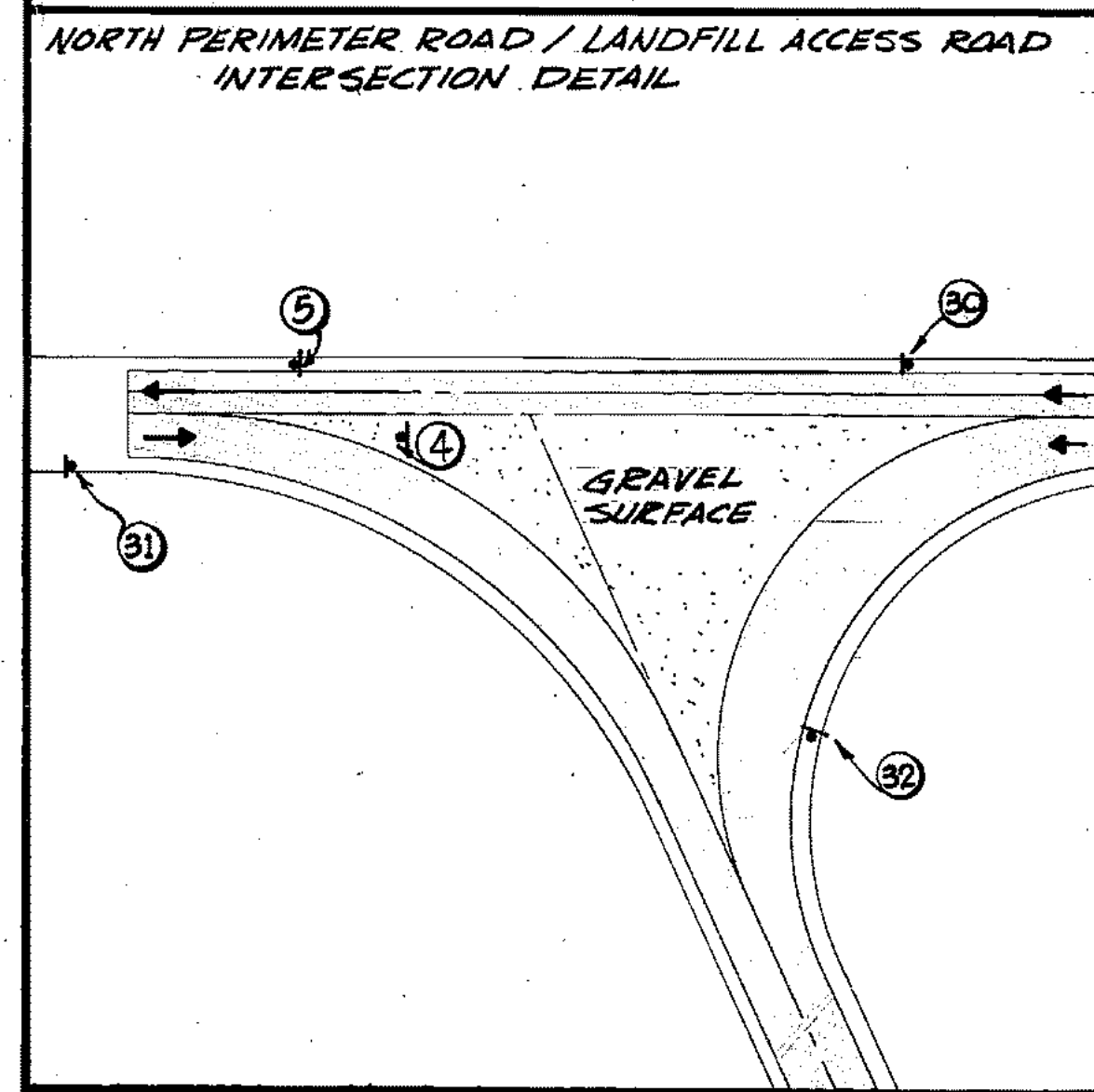
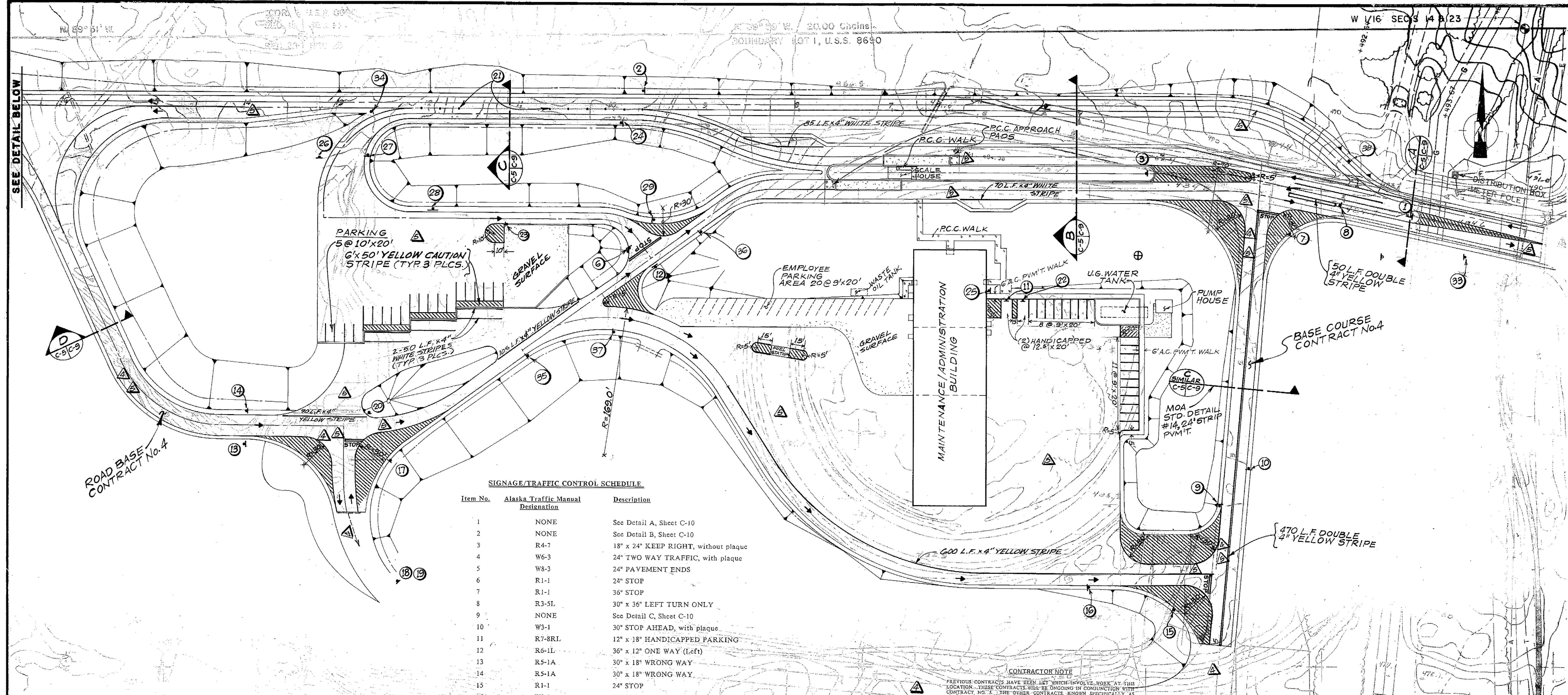
REVISED PLAN 8-7-87
 REVISION DATE BY



SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
SURFACING & TRAFFIC PLAN
 CONTRACT NO. 5

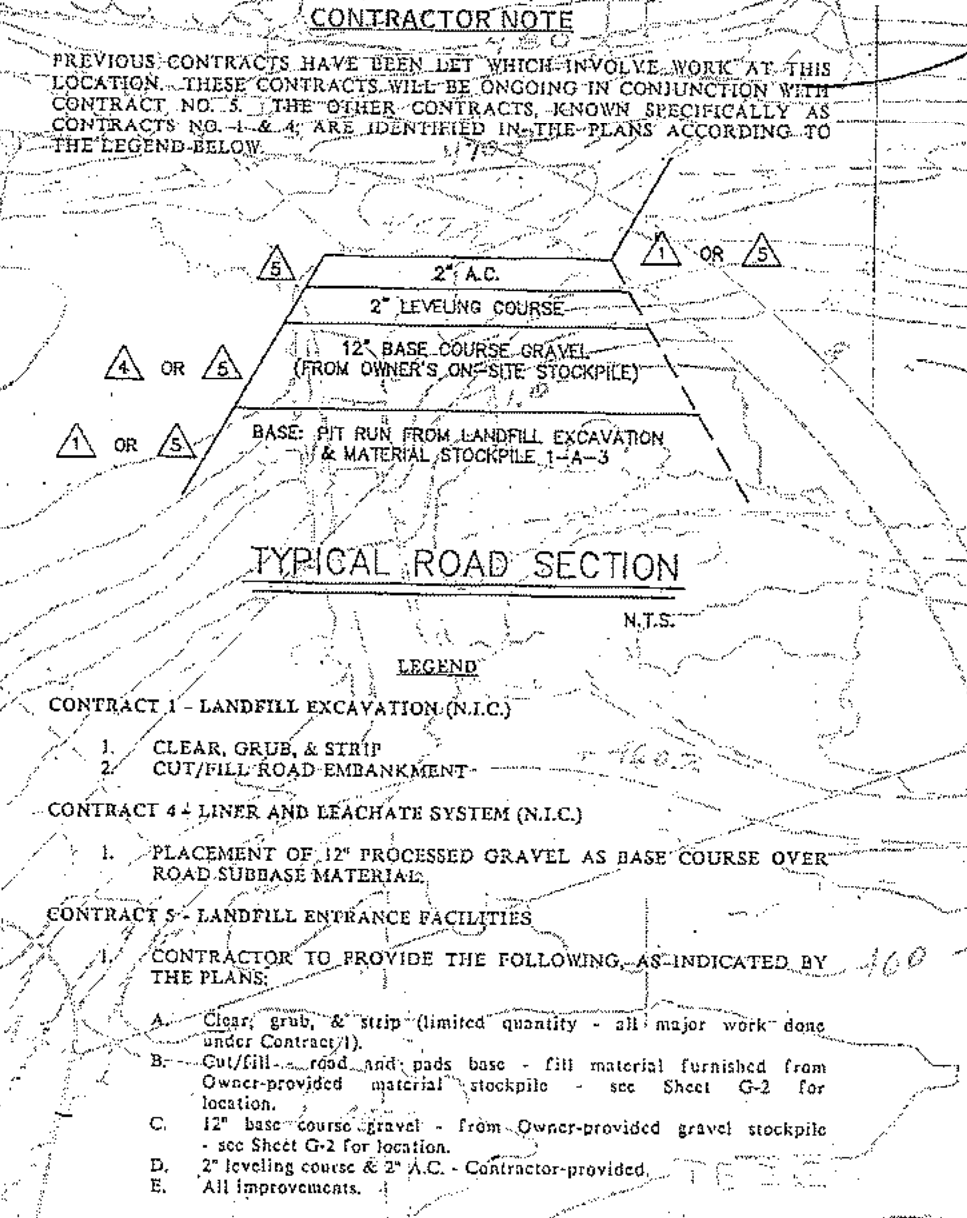
C-5
 SHEET 7 OF 85

C-5



SIGNAGE/TRAFFIC CONTROL SCHEDULE

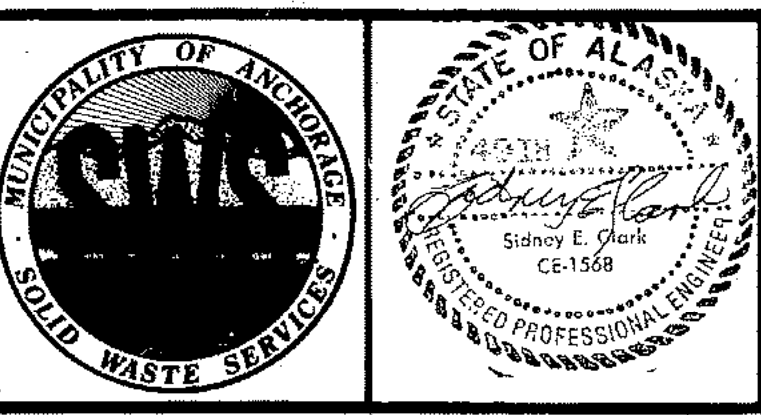
Item No.	Alaska Traffic Manual Designation	Description
1	NONE	See Detail A, Sheet C-10
2	NONE	See Detail B, Sheet C-10
3	R4-7	18" x 24" KEEP RIGHT, without plaque
4	W6-3	24" TWO WAY TRAFFIC, with plaque
5	W8-3	24" PAVEMENT ENDS
6	R1-1	24" STOP
7	R1-1	36" STOP
8	R3-5L	30" x 36" LEFT TURN ONLY
9	NONE	See Detail C, Sheet C-10
10	W3-1	30" STOP AHEAD, with plaque
11	R7-8RL	12" x 18" HANDICAPPED PARKING
12	R6-1L	36" x 12" ONE WAY (Left)
13	R5-1A	30" x 18" WRONG WAY
14	R5-1A	30" x 18" WRONG WAY
15	R1-1	24" STOP
16	W3-1	30" STOP AHEAD, with plaque
17	R1-1	24" STOP
18	W3-1	30" STOP AHEAD, with plaque
19	R3-5R	30" x 36" RIGHT TURN ONLY
20	R6-1R	36" x 12" ONE WAY (Right)
21	NONE	Traffic Delineators
22	R7-8RL	12" x 18" HANDICAPPED PARKING
23	III-R	Object Marker
24	NONE	See Detail D, Sheet C-10
25	NONE	See Detail C, Sheet C-10
26	R5-1A	30" x 18" WRONG WAY
27	R5-1A	30" x 18" WRONG WAY
28	M6-1R	21" x 15" Directional Arrow
29	R1-1	24" STOP
30	R5-1A	30" x 18" WRONG WAY
31	R4-7A	24" x 30" KEEP RIGHT
32	W4-1	24" Merging Traffic, with plaque
33	D11-1	24" x 18" BICYCLE ROUTE
34	NONE	See Detail E, Sheet C-10
35	NONE	See Detail F, Sheet C-10
36	NONE	See Detail F, Sheet C-10
37	NONE	See Detail G, Sheet C-10
38	NONE	See Detail G, Sheet C-10



- LEGEND**
- 2" A.C. PAVING PLUS 2" LEVELING COURSE - CLASS C PAVING
 - P.C.C. WALKWAYS
 - GRAVEL SURFACE
- NOTES**
- 1) ALL STRIPING TO BE 4" WHITE UNLESS OTHERWISE SHOWN.
 - 2) ALL SIGNS & MARKINGS TO BE FAB. & INSTALLED IN ACCORDANCE WITH ALASKA TRAFFIC MANUAL.
 - 3) ALL STRIPING PARALLELING ROAD CENTERLINE IS TO ALLOW 1/2" WIDE DRIVING LANES.
 - 4) ALL PARKING SPACES ON PAVEMENT ARE TO BE DELINEATED WITH STRIPING.

PROJECT NO. 86-012-02
DESIGNED BY WTH
DRAWN BY VMS
CHECKED BY WTH
DATE : FEB 24, 1987
SCALE : 1"=50'

NO.	REVISION	DATE	BY



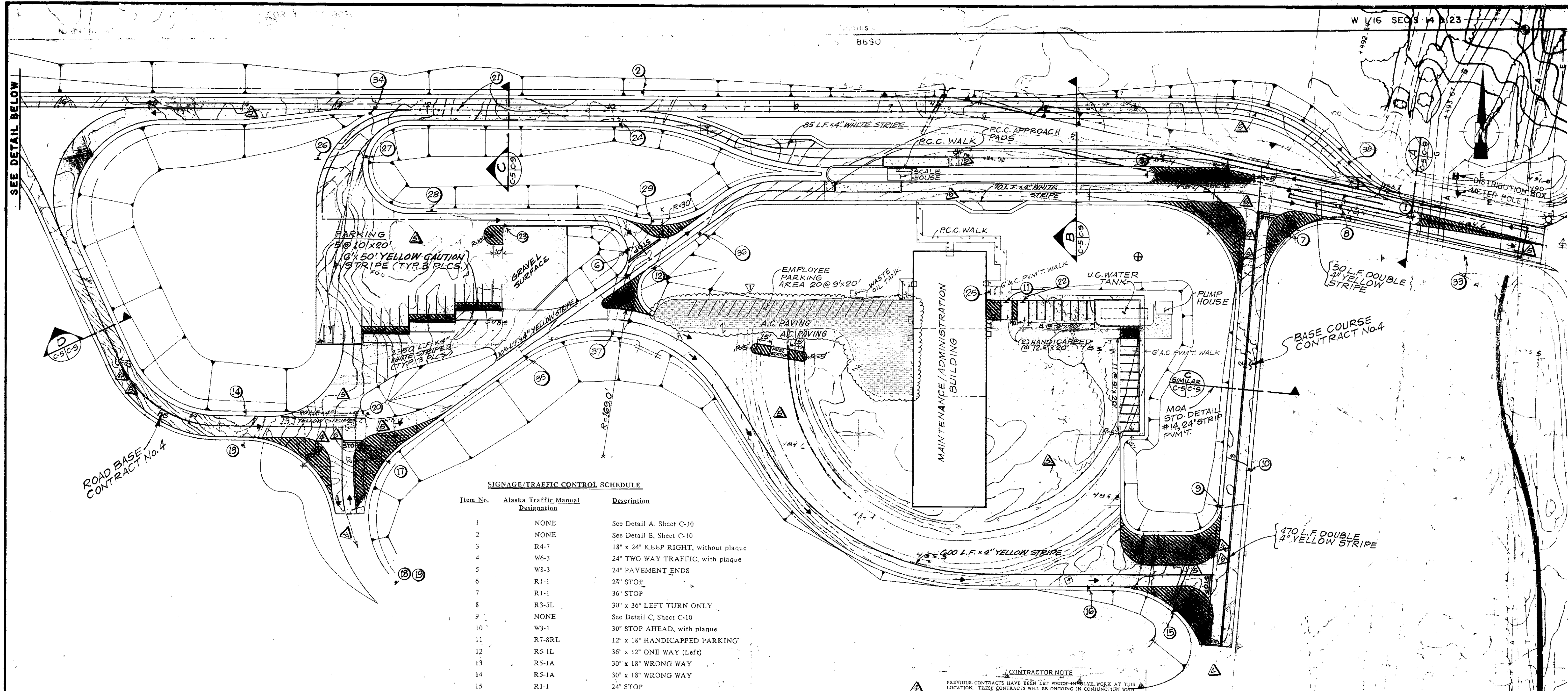
SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility
SURFACING & TRAFFIC PLAN
CONTRACT NO. 5

(ALT.)

W 1/6 SEC 3 1/4 23

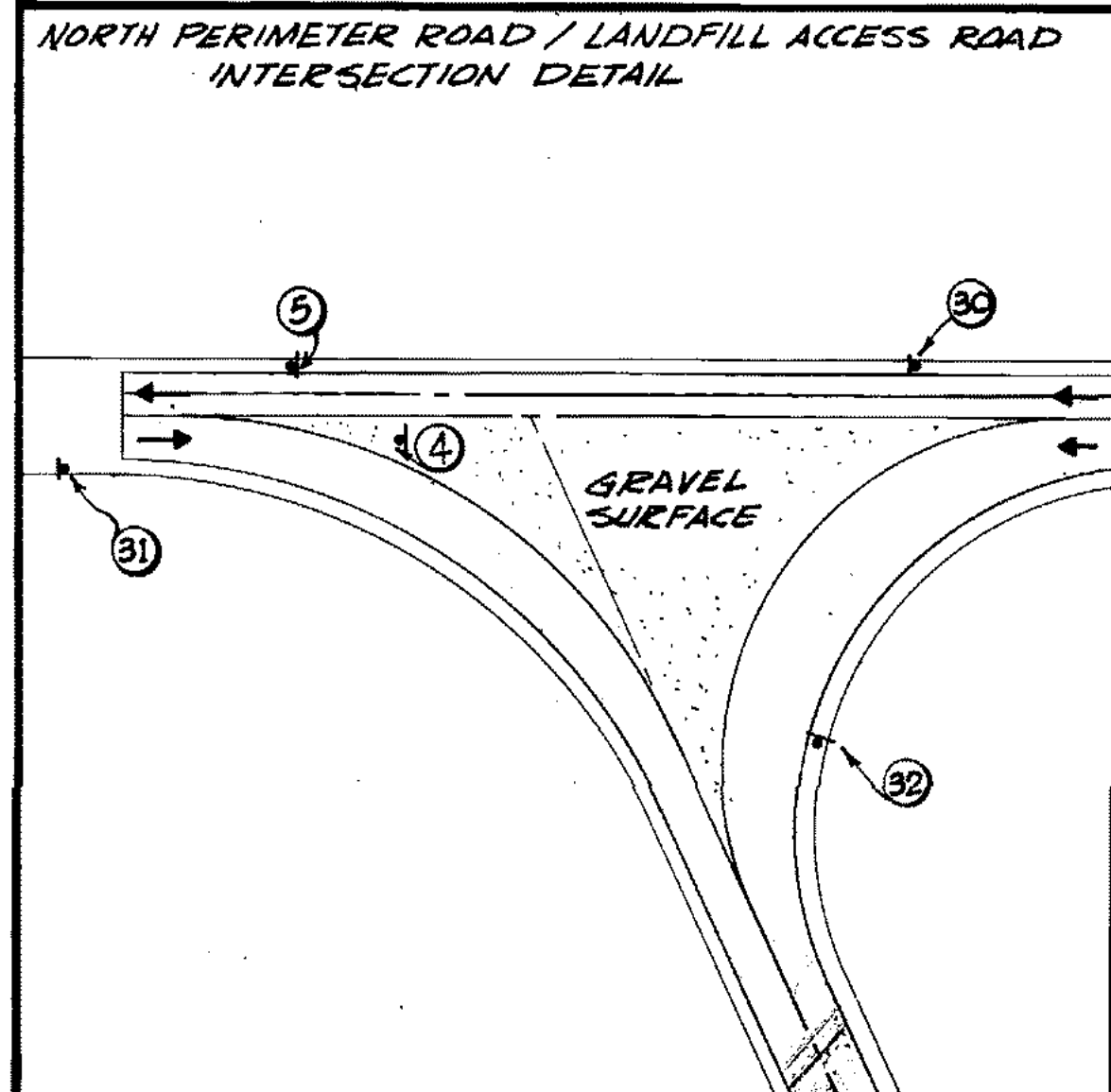
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SEE DETAIL BELOW

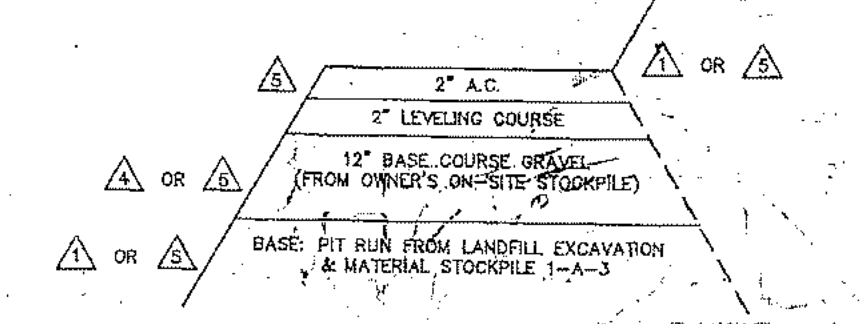


SIGNAGE/TRAFFIC CONTROL SCHEDULE

Item No.	Alaska Traffic Manual Designation	Description
1	NONE	See Detail A, Sheet C-10
2	NONE	See Detail B, Sheet C-10
3	R4-7	18" x 24" KEEP RIGHT, without plaque
4	W6-3	24" TWO WAY TRAFFIC, with plaque
5	W8-3	24" PAVEMENT ENDS
6	R1-1	24" STOP
7	R1-1	36" STOP
8	R3-5L	30" x 36" LEFT TURN ONLY
9	NONE	See Detail C, Sheet C-10
10	W3-1	30" STOP AHEAD, with plaque
11	R7-8RL	12" x 18" HANDICAPPED PARKING
12	R6-1L	36" x 12" ONE WAY (Left)
13	R5-1A	30" x 18" WRONG WAY
14	R5-1A	30" x 18" WRONG WAY
15	R1-1	24" STOP
16	W3-1	30" STOP AHEAD, with plaque
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20	R6-1R	36" x 12" ONE WAY (Right)
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22	R7-8RL	12" x 18" HANDICAPPED PARKING
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34	NONE	See Detail E, Sheet C-10
35	NONE	See Detail F, Sheet C-10
36	NONE	See Detail F, Sheet C-10
37	NONE	See Detail G, Sheet C-10
38	NONE	See Detail G, Sheet C-10



CONTRACTOR NOTE
 PREVIOUS CONTRACTS HAVE BEEN LET WHICH INCLUDE WORK AT THIS LOCATION. THESE CONTRACTS WILL BE ONGOING IN CONJUNCTION WITH CONTRACT NO. 5. THE OTHER CONTRACTS, KNOWN SPECIFICALLY AS CONTRACTS NO. 1 & 4, ARE IDENTIFIED IN THE PLANS ACCORDING TO THE LEGEND BELOW.



LEGEND

CONTRACT 1 - LANDFILL EXCAVATION (N.I.C.)
 1. CLEAR, GRUB, & STRIP
 2. CIVILIZED ROAD DRAINAGE

CONTRACT 4 - LINER AND LEACHATE SYSTEM (N.I.C.)
 1. PLACEMENT OF 12\"/>

CONTRACT 5 - LANDFILL ENTRANCE FACILITIES
 1. CONTRACTOR TO PROVIDE THE FOLLOWING, AS INDICATED BY THE PLANS:
 A. Clear, grub, & strip (limited quantity - all major work done under Contract 1).
 B. Gravel fill a road and pads base - fill material furnished from Owner-provided material stockpile - see Sheet G-2 for location.
 C. 12\"/>

N.T.S.

LEGEND

2\"/>

R.C.C. WALKWAYS

GRAVEL SURFACE

NOTES

1) ALL STRIPING TO BE 4\"/>

2) ALL SIGNS & MARKINGS TO BE FAB & INSTALLED IN ACCORDANCE WITH ALASKA TRAFFIC MANUAL

3) ALL STRIPING PARALLELING ROAD CENTERLINE IS TO ALLOW 12\"/>

4) ALL PARKING SPACES ON PAVEMENT ARE TO BE DELINEATED WITH STRIPING

PROJECT NO. 86-012-02
 DESIGNED : WITH
 DRAWN : VMS
 CHECKED : WITH
 DATE : FEB 24, 1987
 SCALE : 1\"/>

NO. REVISION DATE BY

PAVED PARKING - ZONING REQMTS 4-22-87 GJR

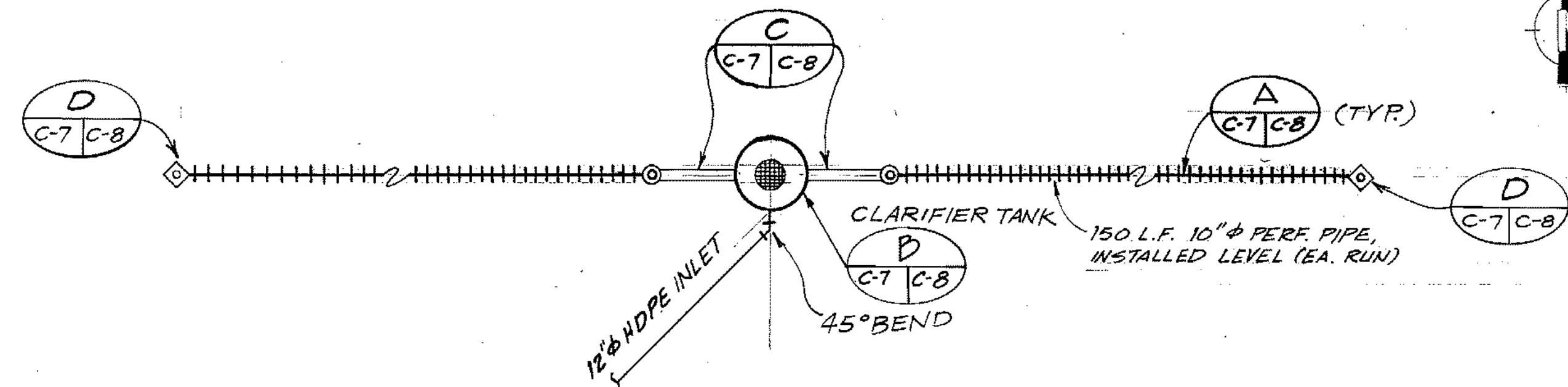
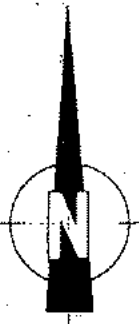


SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
SURFACING & TRAFFIC PLAN
 CONTRACT NO. 5

C-5
 ALT.
 SHEET 7 OF 85

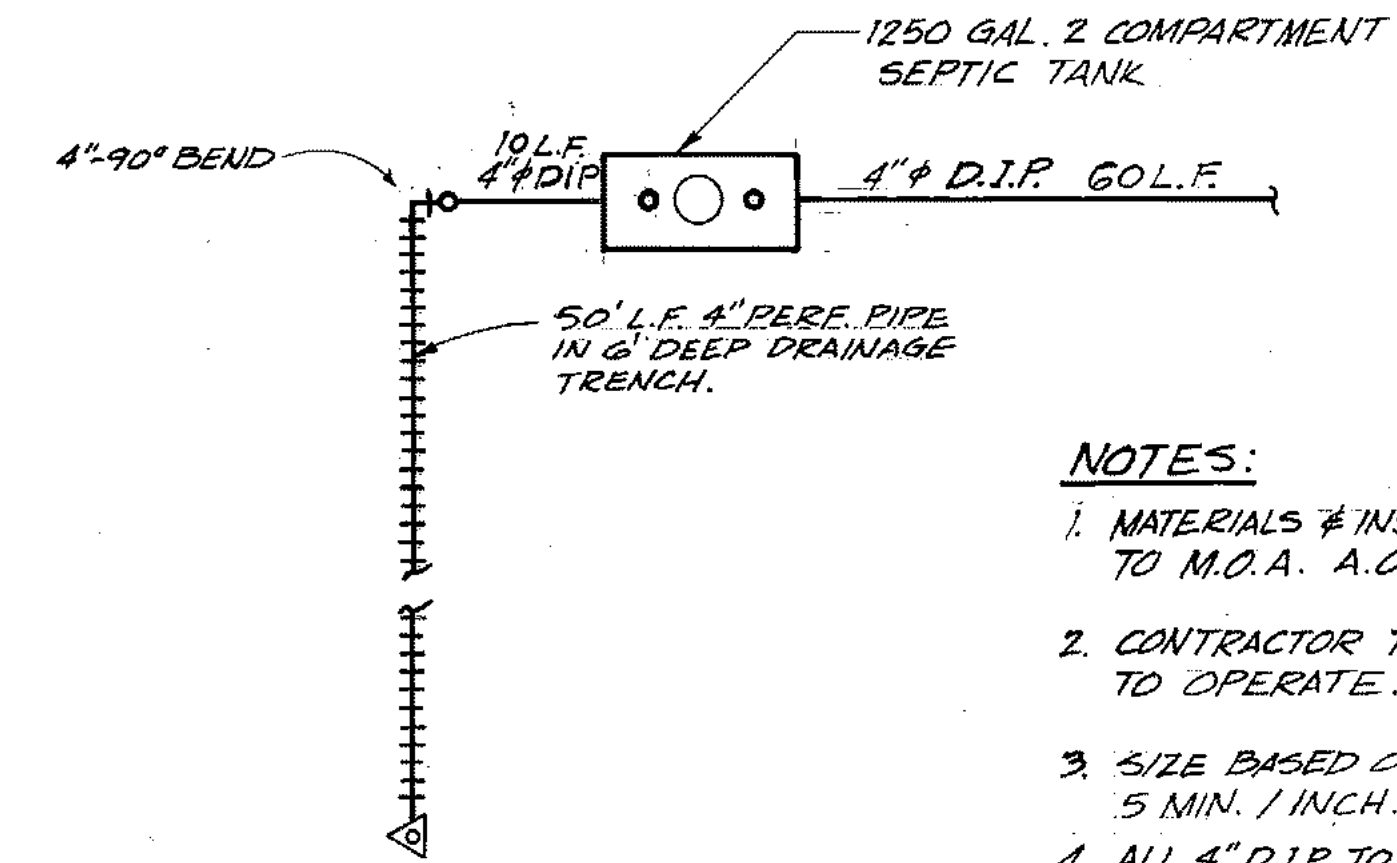
Legend

- ⊕ 10" ϕ STANDPIPE
- ⊕ 10" ϕ MONITORING TUBE
- ⊕ 4" ϕ or 8" ϕ YARD CLEAN-OUT
- ⊕ 4" ϕ MONITORING TUBE
- ⊕ 4" ϕ STAND PIPE



NORTH DRAINAGE SYSTEM PLAN

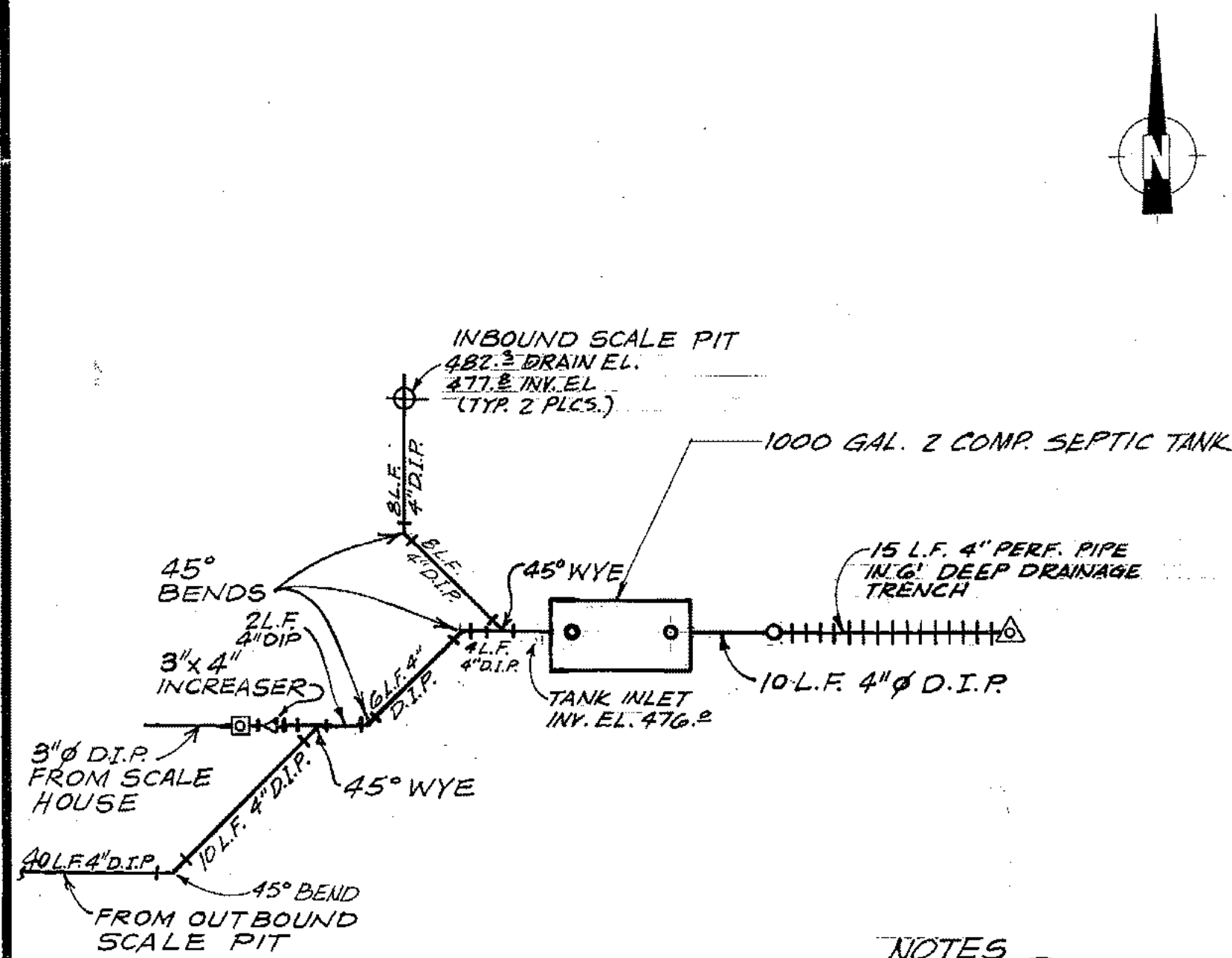
SCALE: 1"=10'



MAINT./ADMINISTRATION BLDG. SEPTIC SYSTEM PLAN

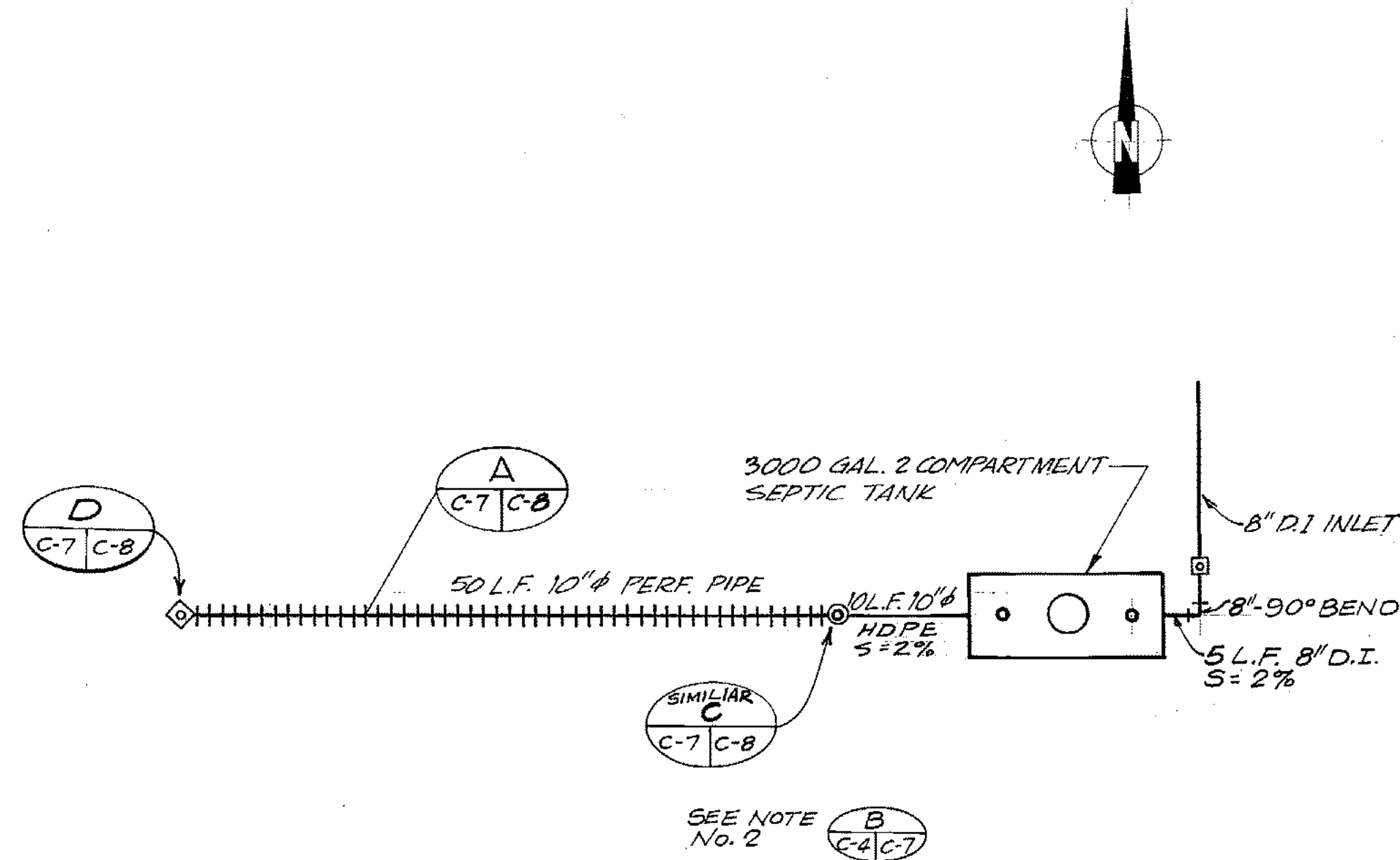
SCALE: 1"=10'

- NOTES:
- MATERIALS & INSTALLATION SHALL CONFORM TO M.O.A. A.O. #86-21 & OTHER APPLICABLE STDS.
 - CONTRACTOR TO OBTAIN A.D.E.C. CERT. TO OPERATE.
 - SIZE BASED ON ASSUMED PERC. RATE OF 5 MIN. / INCH.
 - ALL 4" D.I.P. TO BE INSTALLED AT MIN. 1/4" / 11' SLOPE.



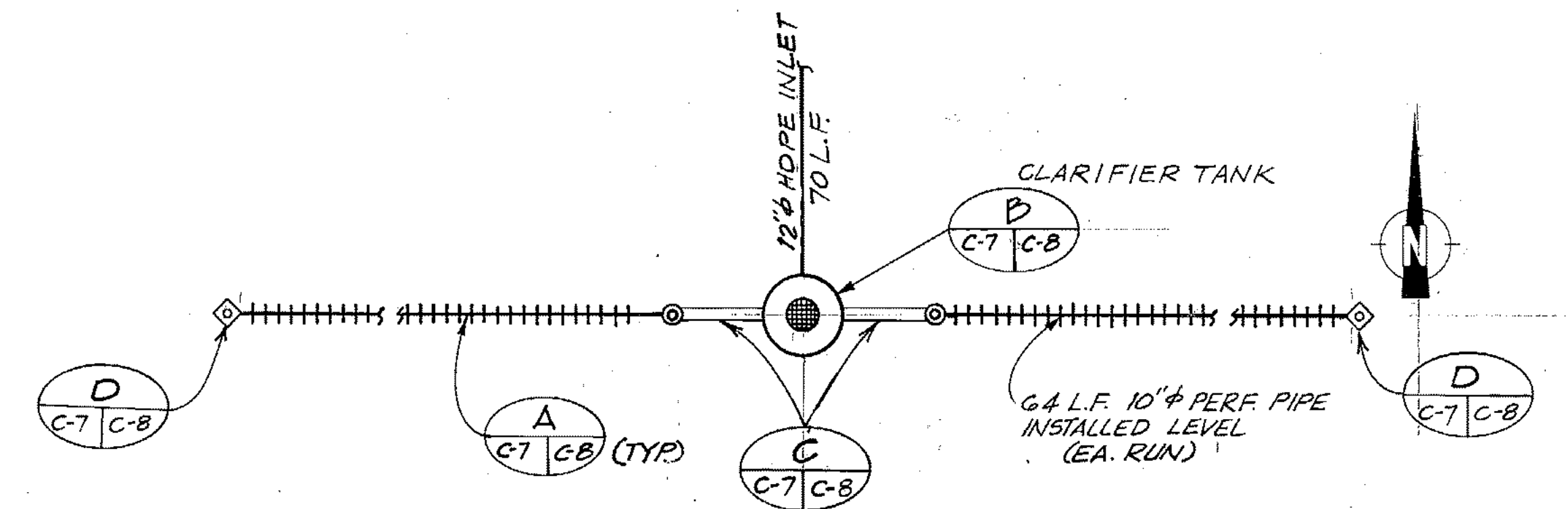
SCALEHOUSE SEPTIC SYSTEM PLAN

SCALE: 1"=10'



MAINT./ADMINISTRATION BLDG.-ROOF DRAIN & TRENCH DRAIN DISPOSAL SYSTEM PLAN

SCALE: 1"=10'



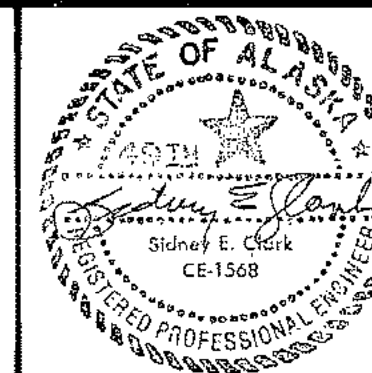
EASTERN PARKING LOT DRAINAGE DISPOSAL SYSTEM PLAN

SCALE: 1"=10'



PROJECT NO. 86-010-02
 DESIGNED : SEC/WTH
 DRAWN : WAP
 CHECKED : WTH
 DATE : FEB 24, 1987
 SCALE : AS NOTED

NO.	REVISION	DATE	BY

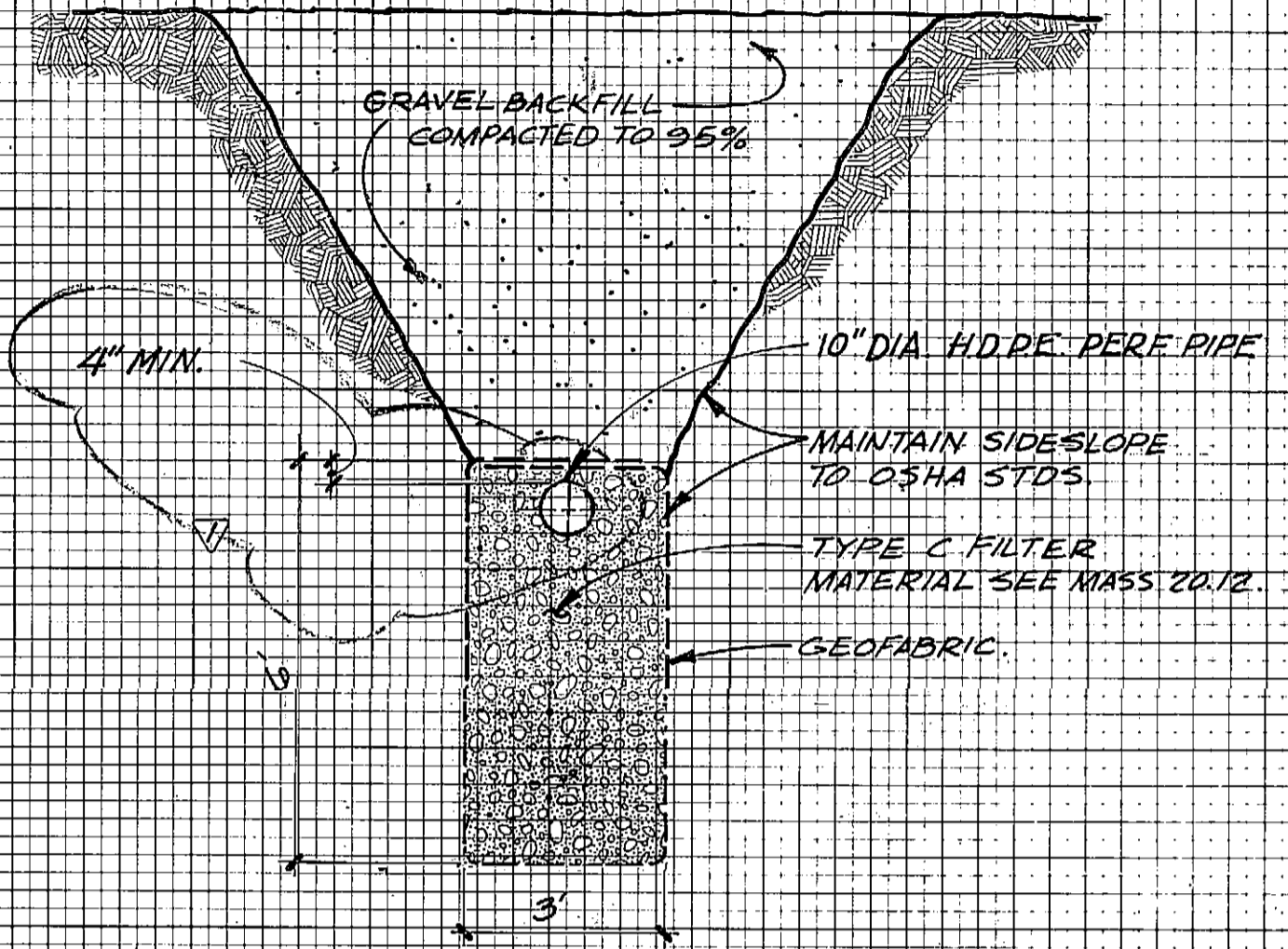


SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
DRAINAGE SYSTEMS DETAILS

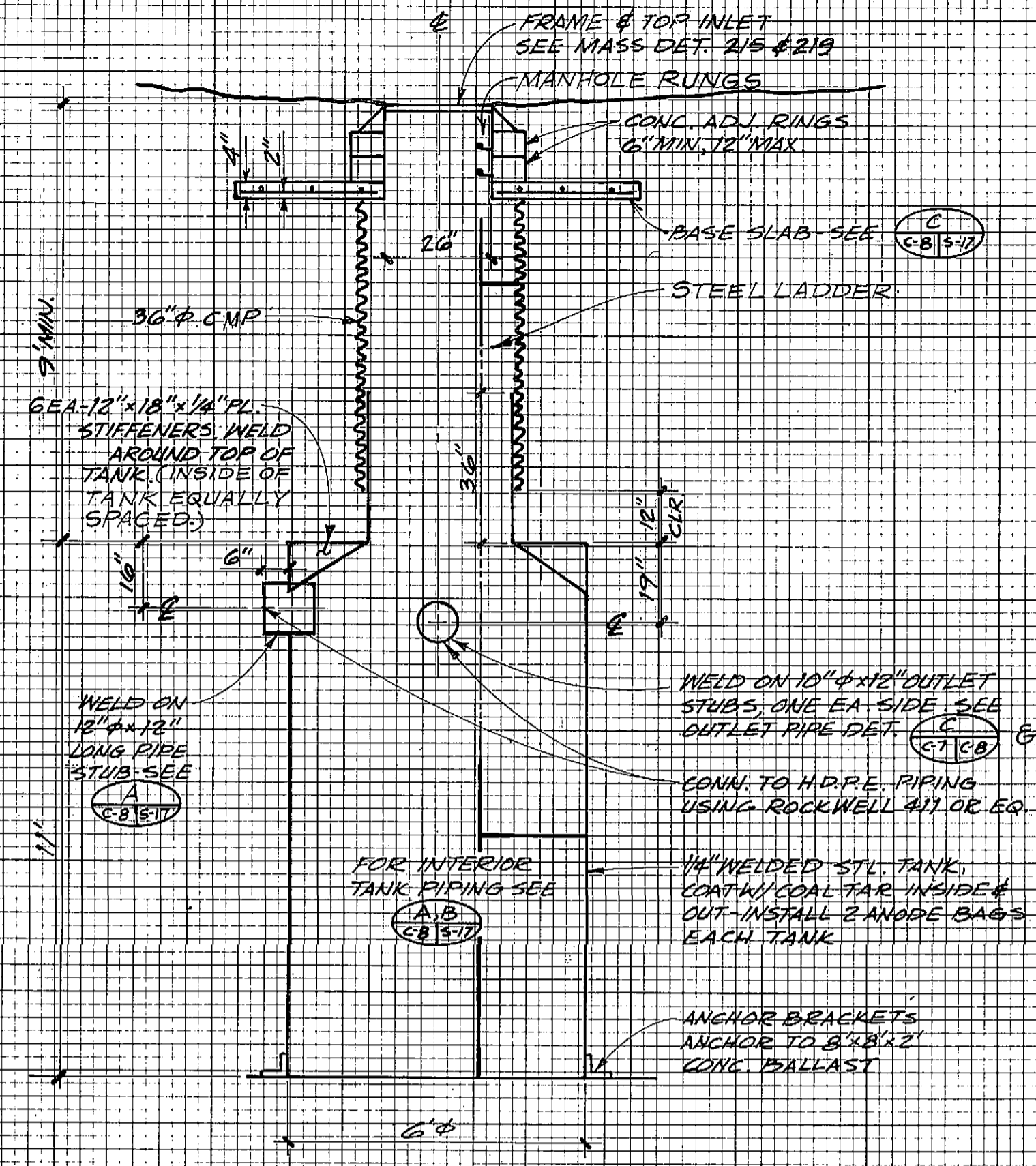
CONTRACT NO. 5

C-7

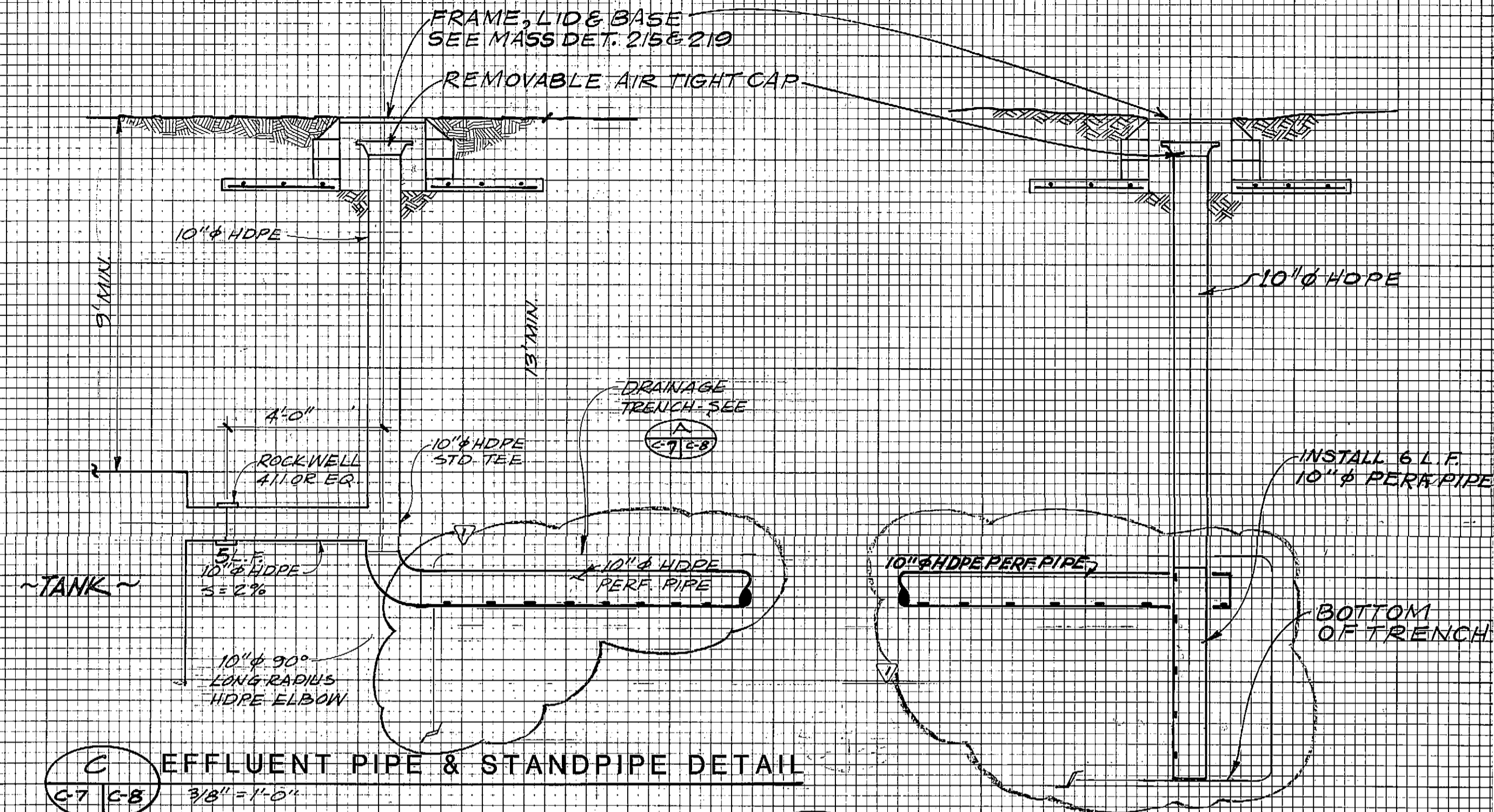
SHEET 9 OF 85



A ABSORPTION TRENCH
 3/8" = 1'-0"

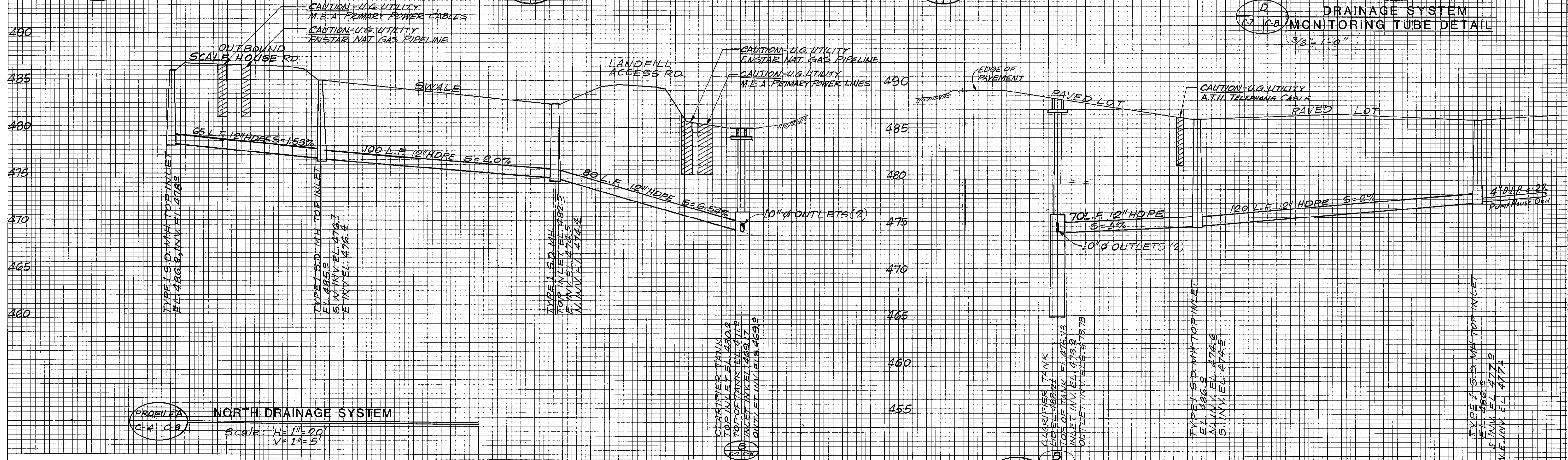


B GLARIFIER TANK DETAIL
 3/8" = 1'-0"



C EFFLUENT PIPE & STANDPIPE DETAIL
 3/8" = 1'-0"

D DRAINAGE SYSTEM MONITORING TUBE DETAIL
 3/8" = 1'-0"



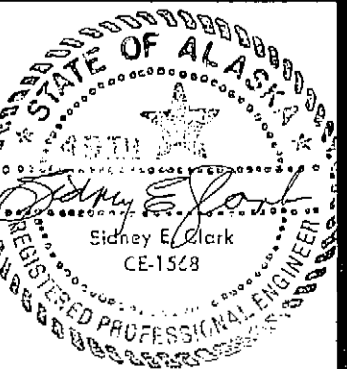
PROFILE A NORTH DRAINAGE SYSTEM
 Scale: H = 1" = 20'
 V = 1" = 5'

PROFILE B EAST PARKING LOT DRAINAGE SYSTEM
 Scale: H = 1" = 20'
 V = 1" = 5'

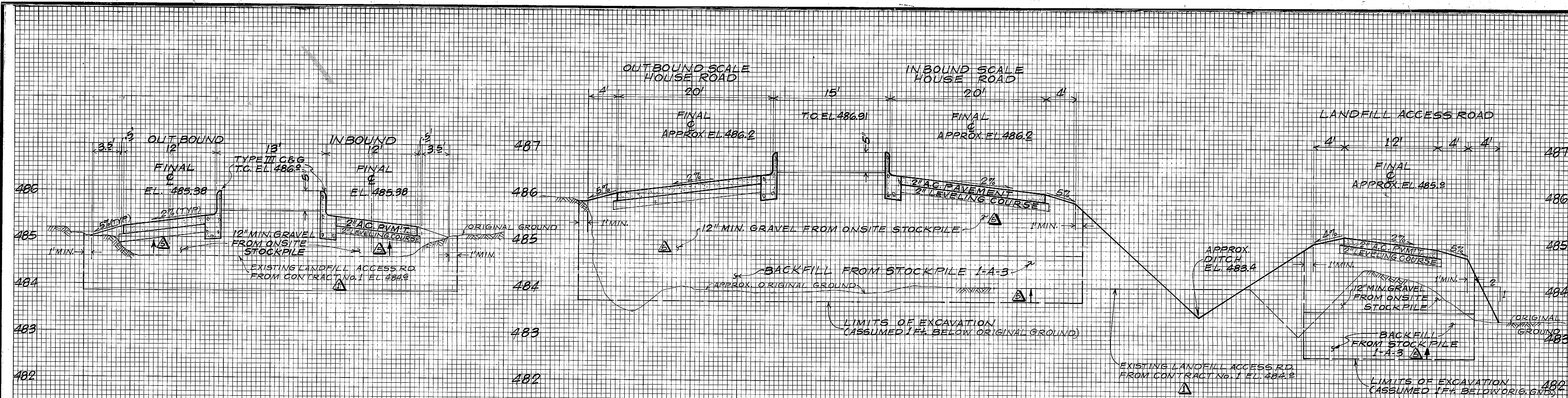
ARCTIC ENGINEERS INC.
 ANCHORAGE, ALASKA

PROJECT NO. 86-010-02
 DESIGNED: SEC/WTH
 DRAWN: VMS/WAP
 CHECKED: WTH
 DATE: FEB 24, 1987
 SCALE: AS NOTED

NO.	REVISION	DATE BY
	MODIFY DRAIN PIPE BURIAL DETS. 5/24/87	

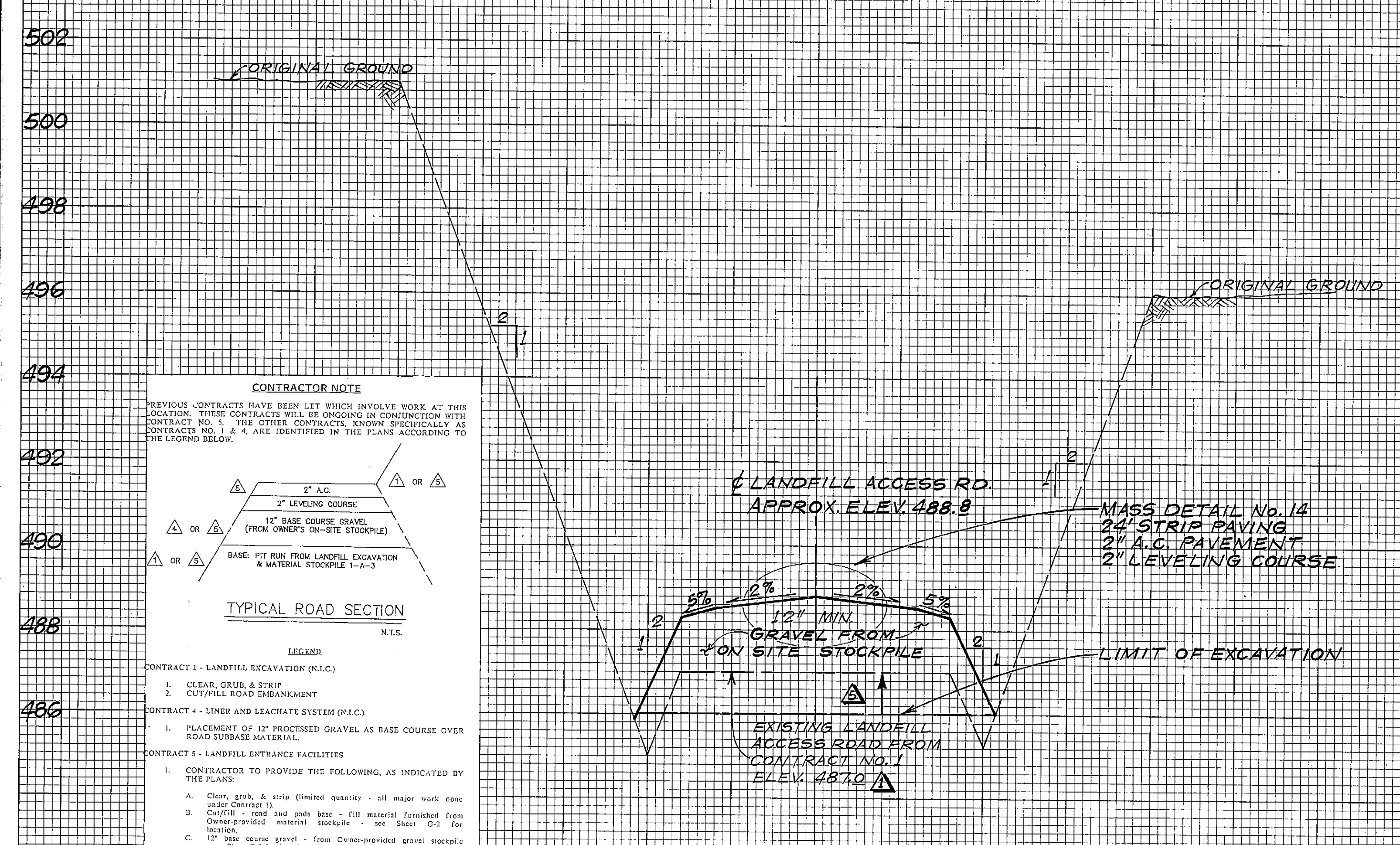


SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
DRAINAGE SYSTEMS
 PROFILES & DETAILS
 CONTRACT NO. 5

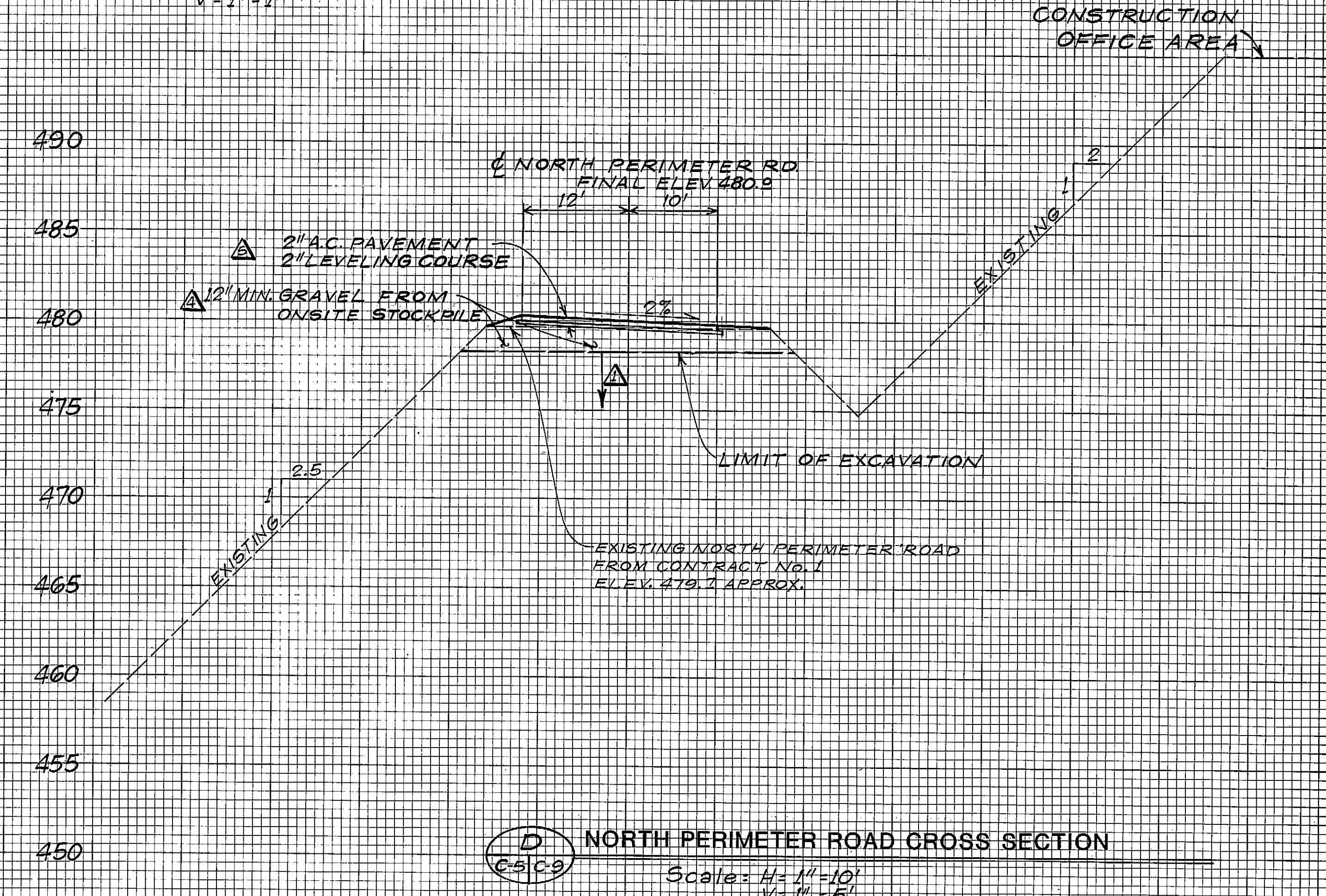


A ENTRANCE ROAD CROSS SECTION
 Scale: H = 1" = 6'
 V = 1" = 1'

B SCALEHOUSE ROADS & LANDFILL ACCESS ROAD CROSS SECTION
 Scale: H = 1" = 6'
 V = 1" = 1'



C TRANSFER STATION ROAD & LANDFILL ACCESS ROAD MERGER CROSS SECTION
 Scale: H = 1" = 10'
 V = 1" = 2'



D NORTH PERIMETER ROAD CROSS SECTION
 Scale: H = 1" = 10'
 V = 1" = 5'

NOTE: ALL A.C. PAVEMENT TO BE CLASS "C"
 GRADING WILL BE REQUIRED PRIOR TO PLACEMENT OF LEVELING COURSE.

CONTRACTOR NOTE
 PREVIOUS CONTRACTS HAVE BEEN LET WHICH INVOLVE WORK AT THIS LOCATION. THESE CONTRACTS WILL BE ONGOING IN CONJUNCTION WITH CONTRACT NO. 5. THE OTHER CONTRACTS, KNOWN SPECIFICALLY AS CONTRACTS NO. 1 & 4, ARE IDENTIFIED IN THE PLANS ACCORDING TO THE LEGEND BELOW.

TYPICAL ROAD SECTION
 N.T.S.

LEGEND

CONTRACT 1 - LANDFILL EXCAVATION (N.T.C.)
 1. CLEAR, GRUB, & STRIP
 2. CUT/FILL ROAD EMBANKMENT

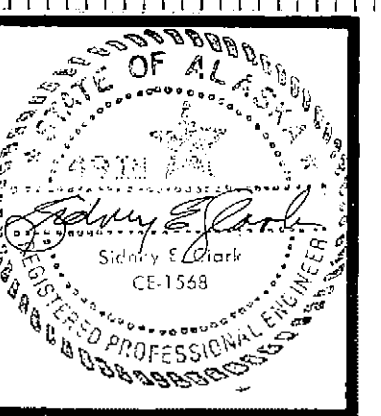
CONTRACT 4 - LINER AND LEACHATE SYSTEM (N.T.C.)
 1. PLACEMENT OF 12" PROCESSED GRAVEL AS BASE COURSE OVER ROAD SUBBASE MATERIAL.

CONTRACT 5 - LANDFILL ENTRANCE FACILITIES
 1. CONTRACTOR TO PROVIDE THE FOLLOWING, AS INDICATED BY THE PLANS:
 A. Clear, grub, & strip (limited quantity - all major work done under Contract 1).
 B. Cut/fill - road and pad base - fill material furnished from Owner-provided material stockpile - see Sheet C-3 for location.
 C. 12" base course gravel - from Owner-provided gravel stockpile - see Sheet C-3 for location.
 D. 2" leveling course & 2" A.C. - Contractor-provided.
 E. All improvements.

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

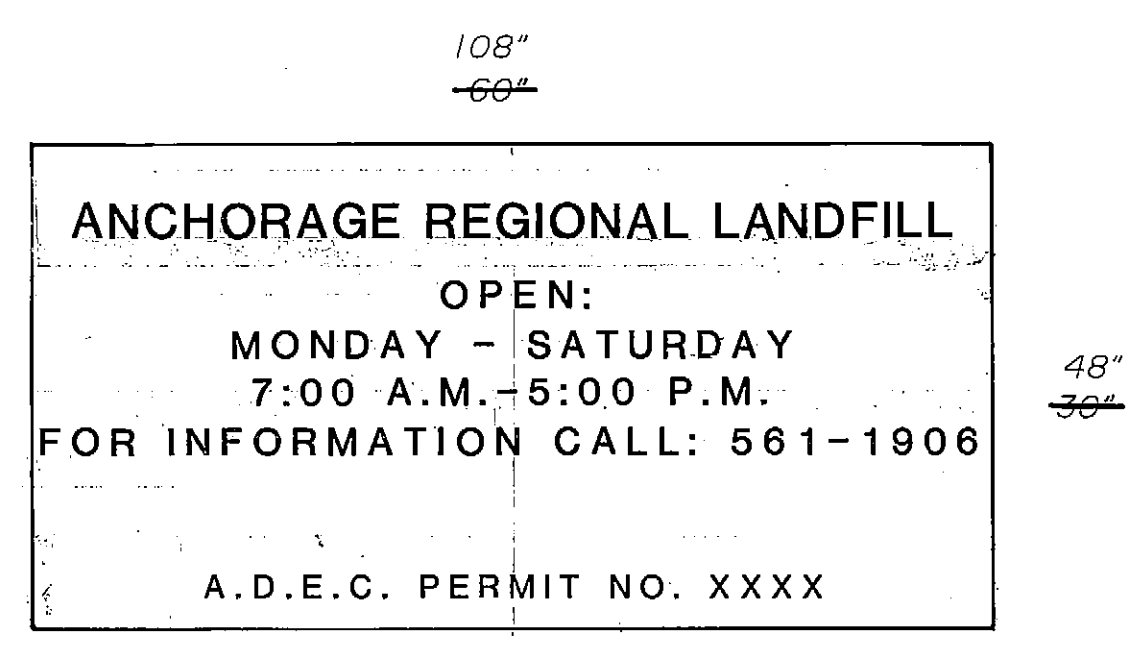
PROJECT NO. 86-010-02
 DESIGNED: SEC/WTH
 DRAWN: VMS
 CHECKED: WTH
 DATE: FEB 24, 1987
 SCALE: AS NOTED

NO. REVISION DATE BY

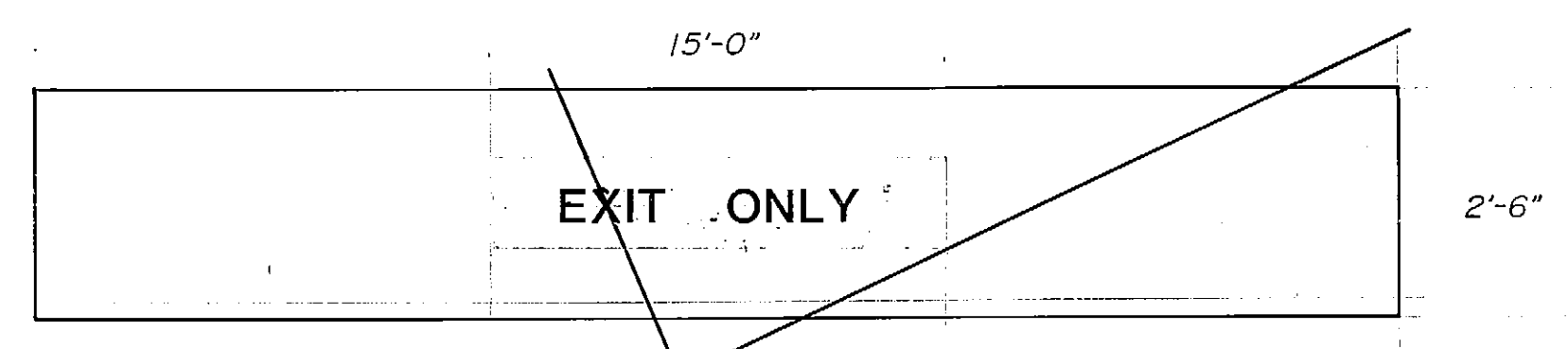
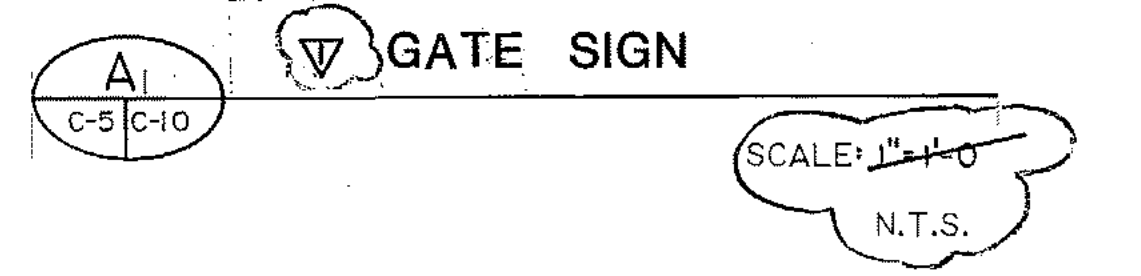


SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
CROSS SECTIONS
 CONTRACT NO. 5

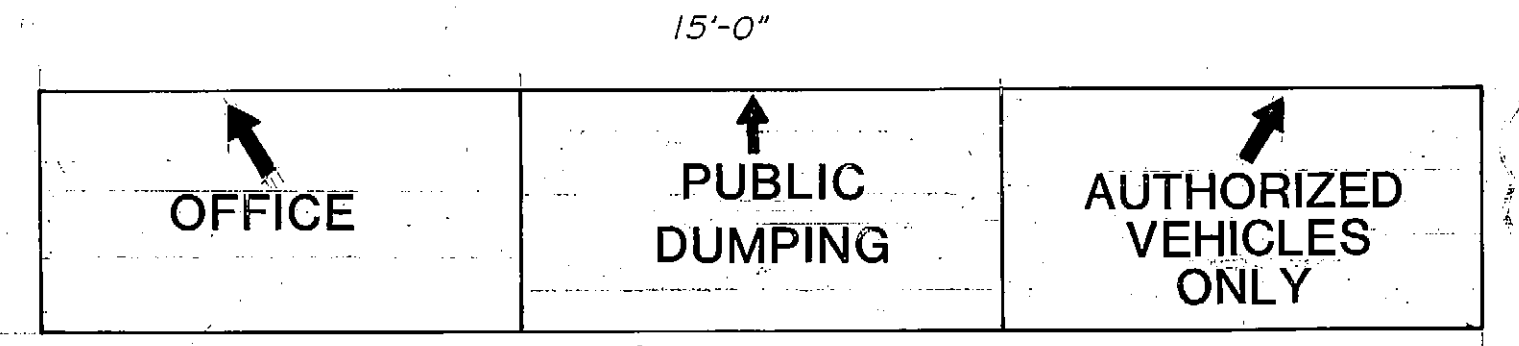
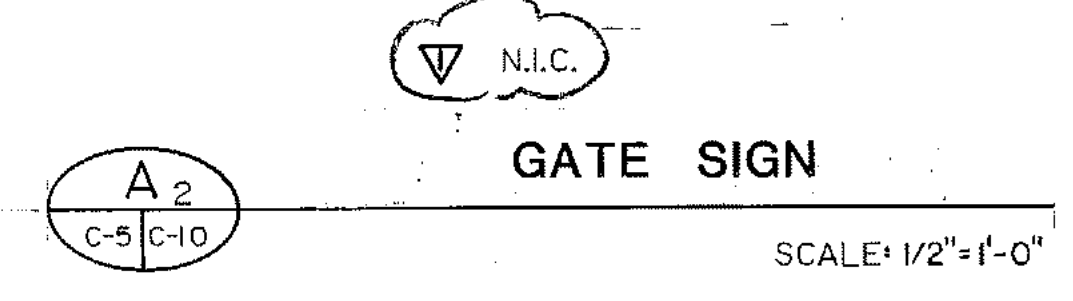
C-9
 SHEET 11 OF 85



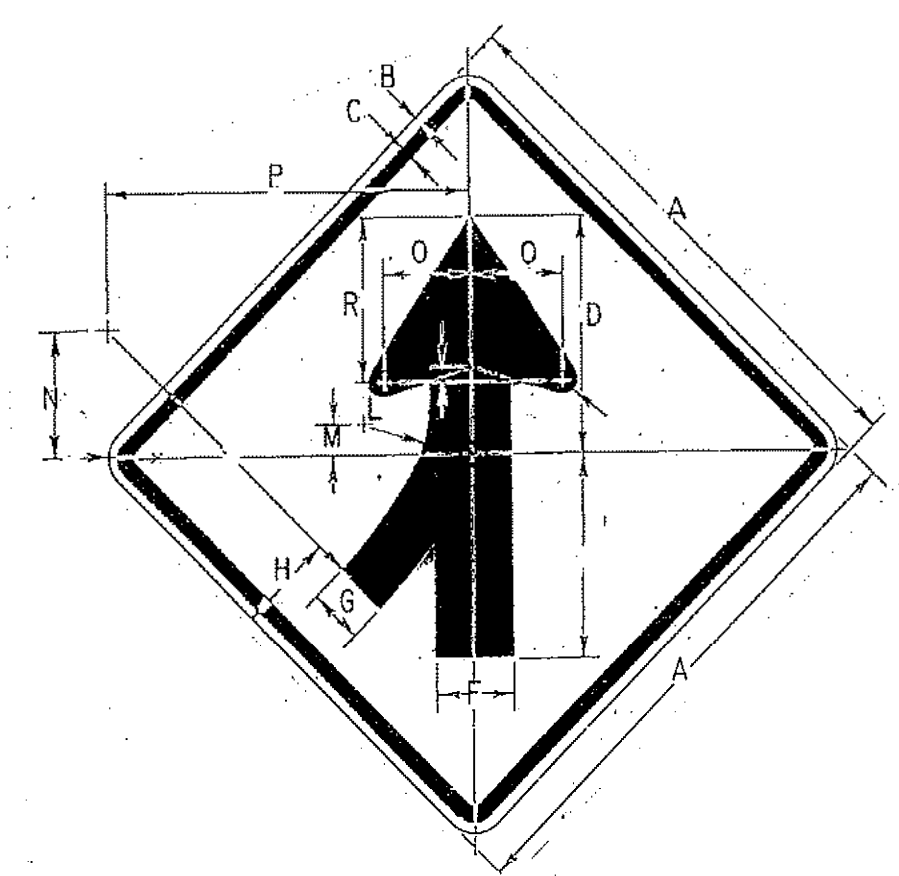
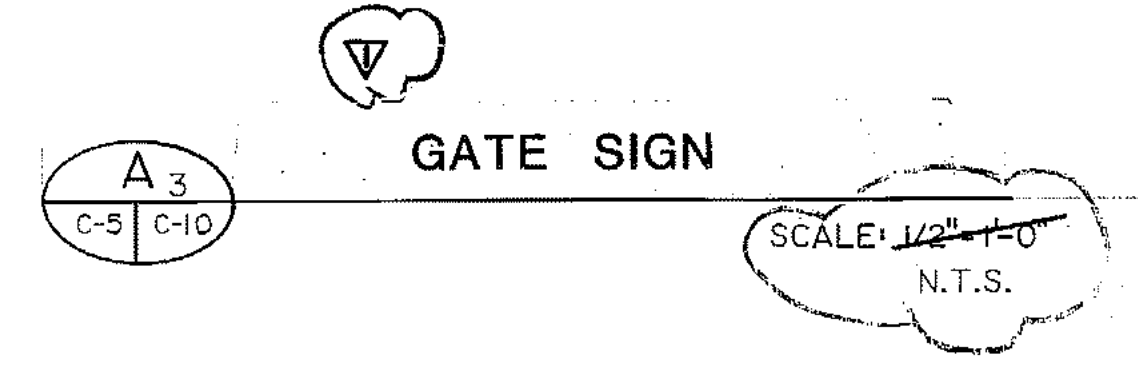
CONSTRUCTION MATERIAL: ALUMINUM
 COLORS: (TO BE SELECTED BY OWNER. LETTER STYLE & SIZE TO BE SELECTED BY OWNER.)
 BACKGROUND - WHITE REFLECTIVE
 LETTERS - GREEN REFLECTIVE
 MOUNTING LOCATION: ON INBOUND GATE. BOTTOM OF SIGN 24" ABOVE ADJACENT TOP CURB, CENTERED HORIZONTALLY ON GATE.



CONSTRUCTION MATERIAL: ALUMINUM
 COLORS: BACKGROUND - WHITE REFLECTIVE
 LETTERS - GREEN REFLECTIVE
 MOUNTING LOCATION: OVERHEAD ON OUTBOUND GATE FRAME FACING EAST.

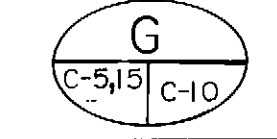
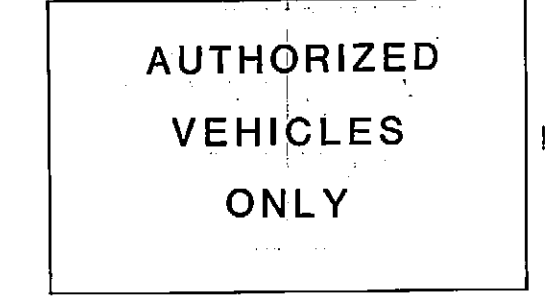
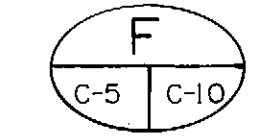
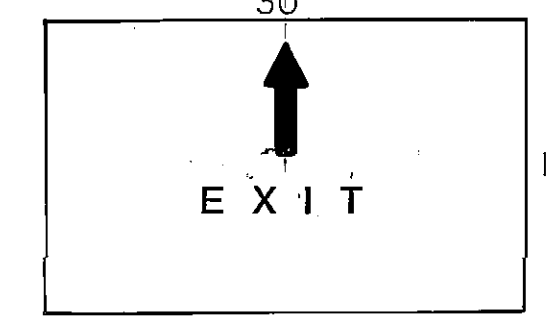
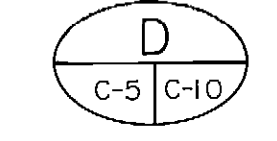
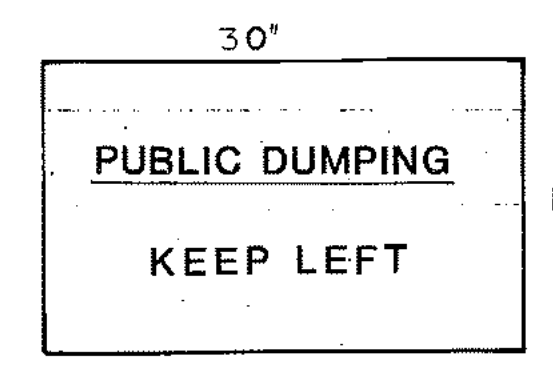
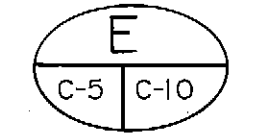
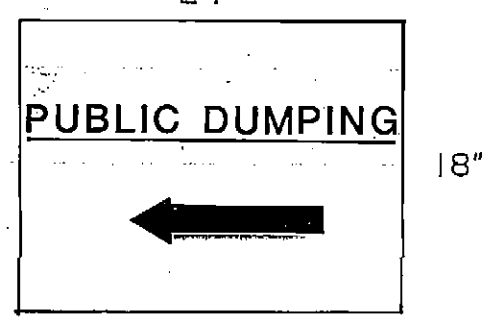
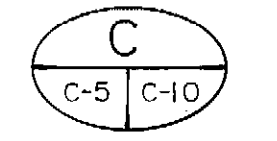
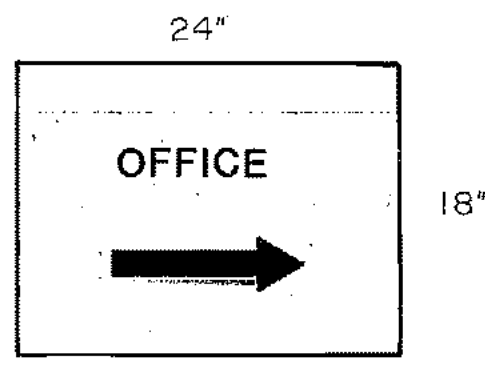


CONSTRUCTION MATERIAL: ALUMINUM
 COLORS: BACKGROUND: WHITE REFLECTIVE
 LETTERS: GREEN REFLECTIVE
 MOUNTING LOCATION: OVERHEAD ON INBOUND GATE FRAME, FACING EAST.

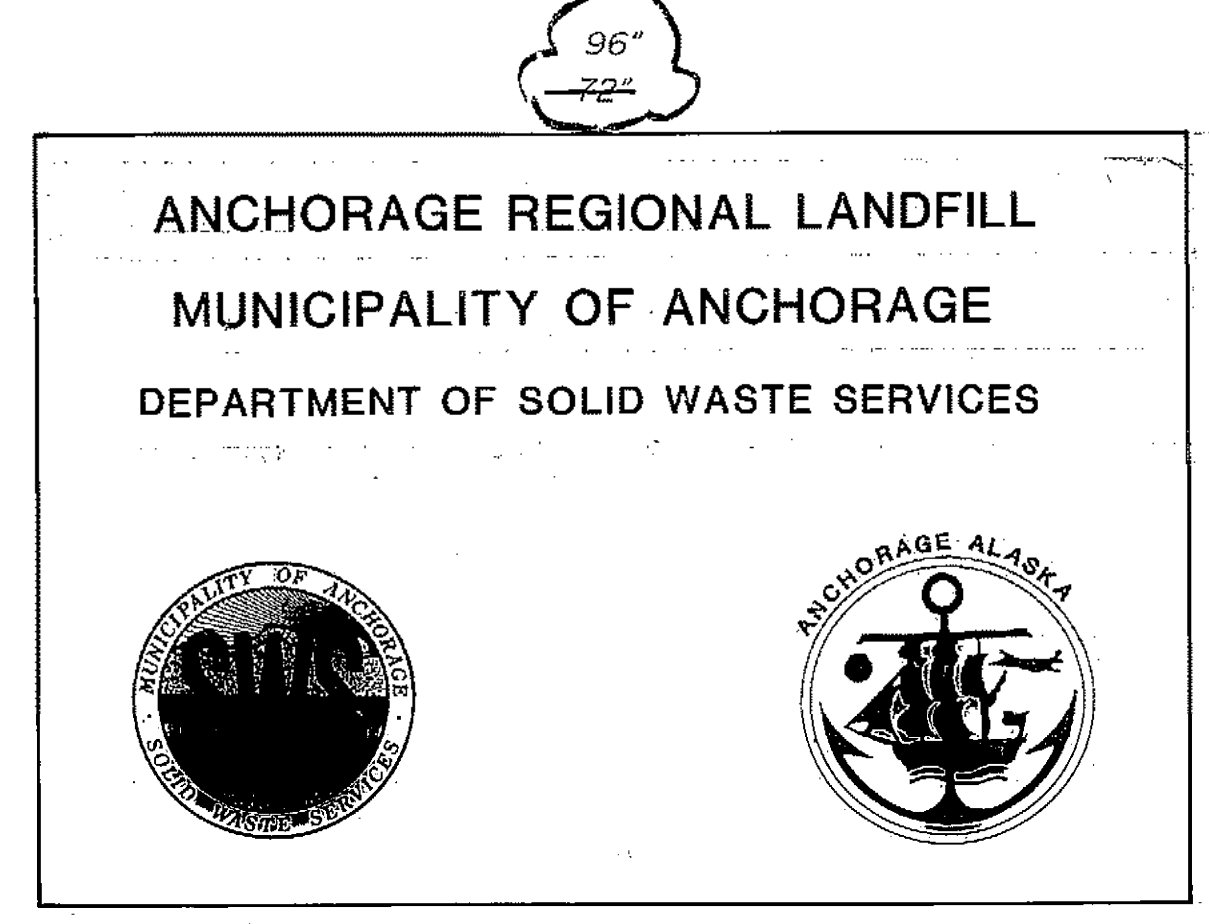


A	B	C	D	E	F	G	H	J	K	L	M	N	P	O	R	S	T
24	3/16	3/8	10/16	9/16	3/2	2 3/8	4 3/8	2 1/4	1 1/2	6 3/8	2 5/8	10 3/8	2 2 3/8	4 7/8	3/8	1 1/8	

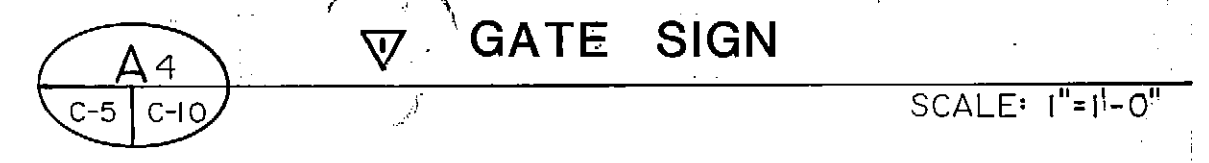
COLORS: LEGEND - BLACK
 BACKGROUND - YELLOW
 B
 C-5 C-10



NOTE: APPLICABLE w/ DETAILS C, D, E, F, G
 CONSTRUCTION MATERIAL: ALUMINUM
 COLORS: BACKGROUND - WHITE REFLECTIVE
 LETTERS - GREEN REFLECTIVE

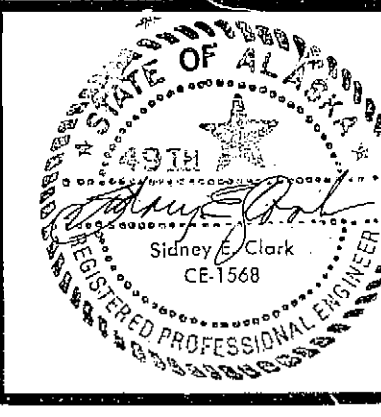


CONSTRUCTION MATERIAL: WOOD, ALUMINUM LOGOS - FRAME & MOUNTING SIMILAR (1X4) TO
 COLORS: BACKGROUND - DARK BROWN
 LETTERS: WHITE
 MOUNTING LOCATION: ON WOODEN FENCE @ INBOUND GATE. BOTTOM OF SIGN 3'-0" ABOVE ADJACENT CURB, CENTERED HORIZONTALLY IN FENCE.
 SEE SPECIFICATIONS DIV10400

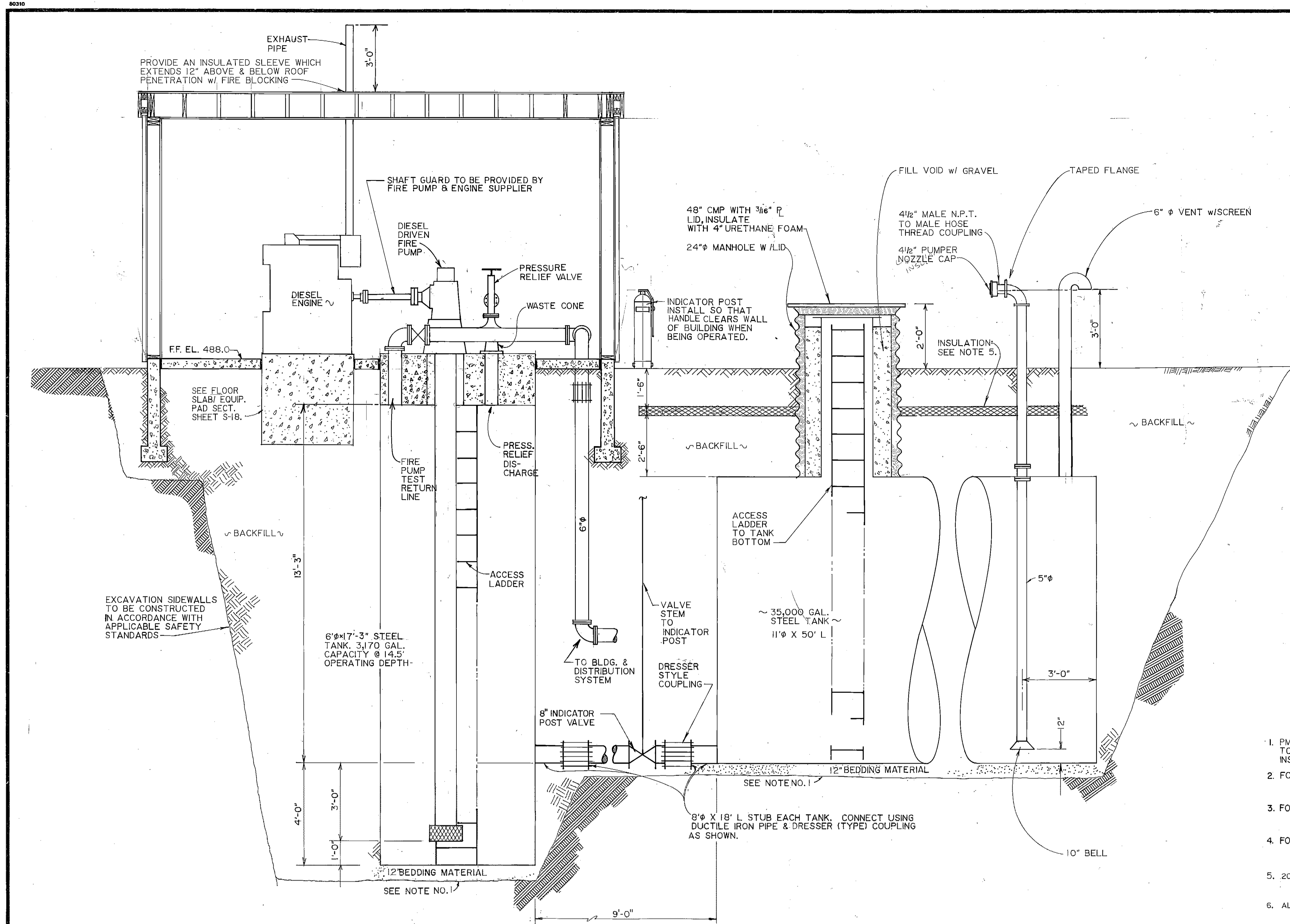


PROJECT NO. 86-010-02 MOA
 DESIGNED: WTH
 DRAWN: WAP, bh
 CHECKED: WTH
 DATE: FEB 24, 1987
 SCALE: AS NOTED

NO.	REVISION	DATE	BY



SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
 TRAFFIC CONTROL DETAILS
 CONTRACT NO. 5



NOTES:

1. PMC MUST APPROVE EXCAVATION PRIOR TO TANK BEDDING PLACEMENT & TANK INSTALLATION.
2. FOR BUILDING DESIGN SEE DWG. S-15 & S-18
3. FOR PIPING ISOMETRIC SEE DRAWING B
C-11 M-17
4. FOR WET WELL TANK DESIGN SEE DWG. S-18
5. 20' X 6' X 4" INSULATION. SEE SPECIFICATIONS.
6. ALL BACKFILL IS TO BE GRAVEL.

A WATER STORAGE & SUPPLY SYSTEM

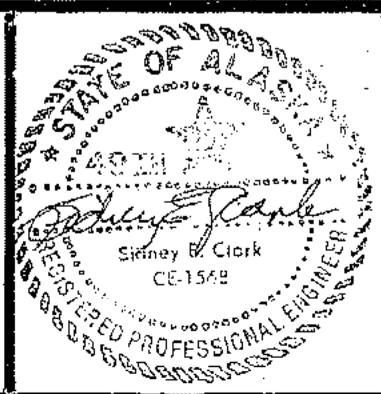
M-17 S-11

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

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
 DESIGNED: JG
 DRAWN: VMS, bh, AKF
 CHECKED: WTH
 DATE: FEB. 24, 1987
 SCALE: 1/2" = 1'-0"

NO.	REVISION	DATE	BY

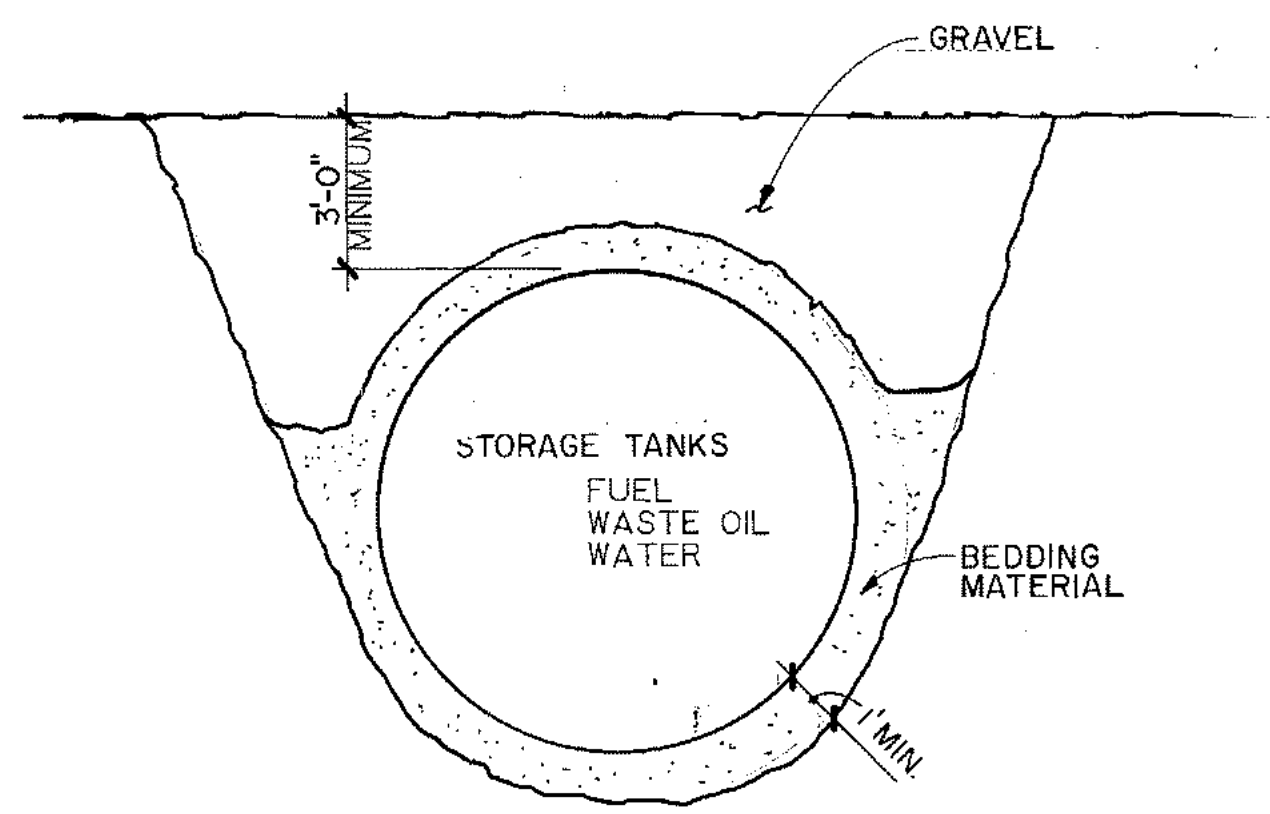


SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
WATER STORAGE & SUPPLY SYSTEMS
 CONTRACT NO. 5

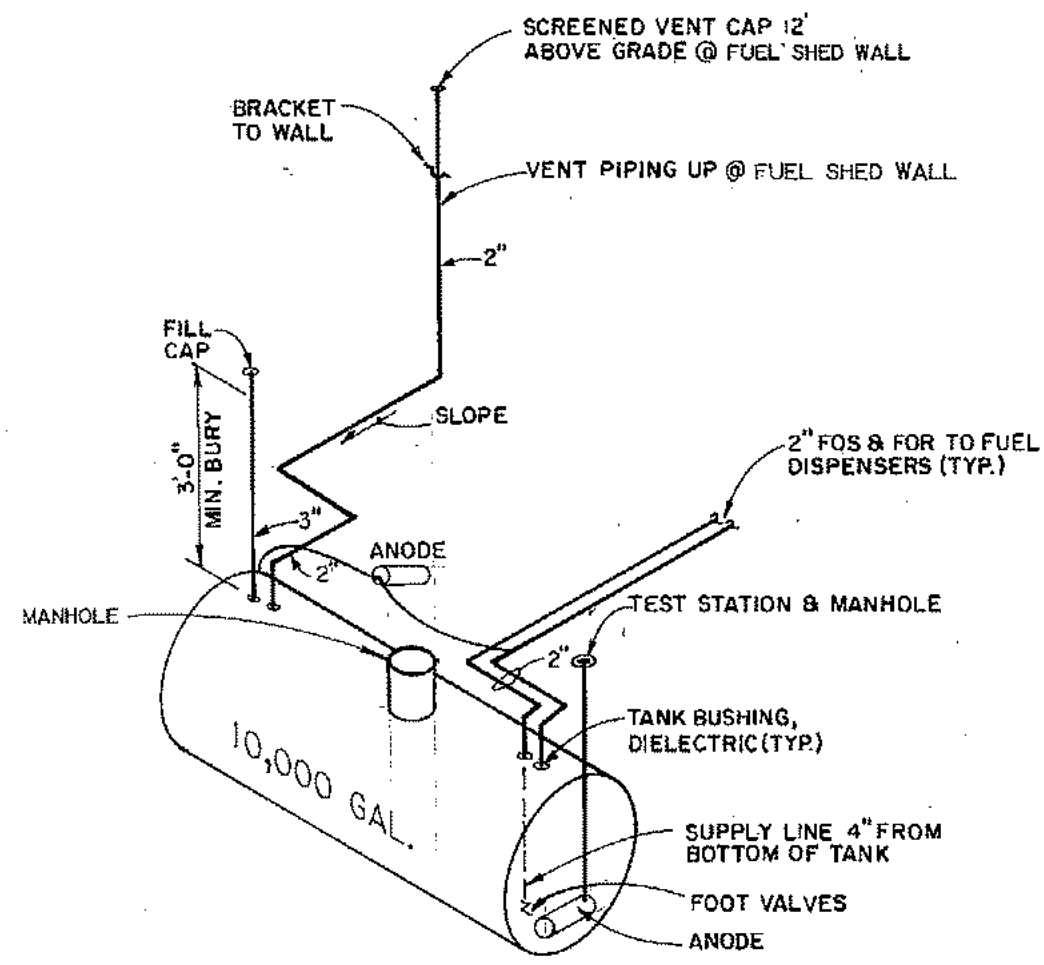
C-11
 SHEET 13 OF 85

C-12

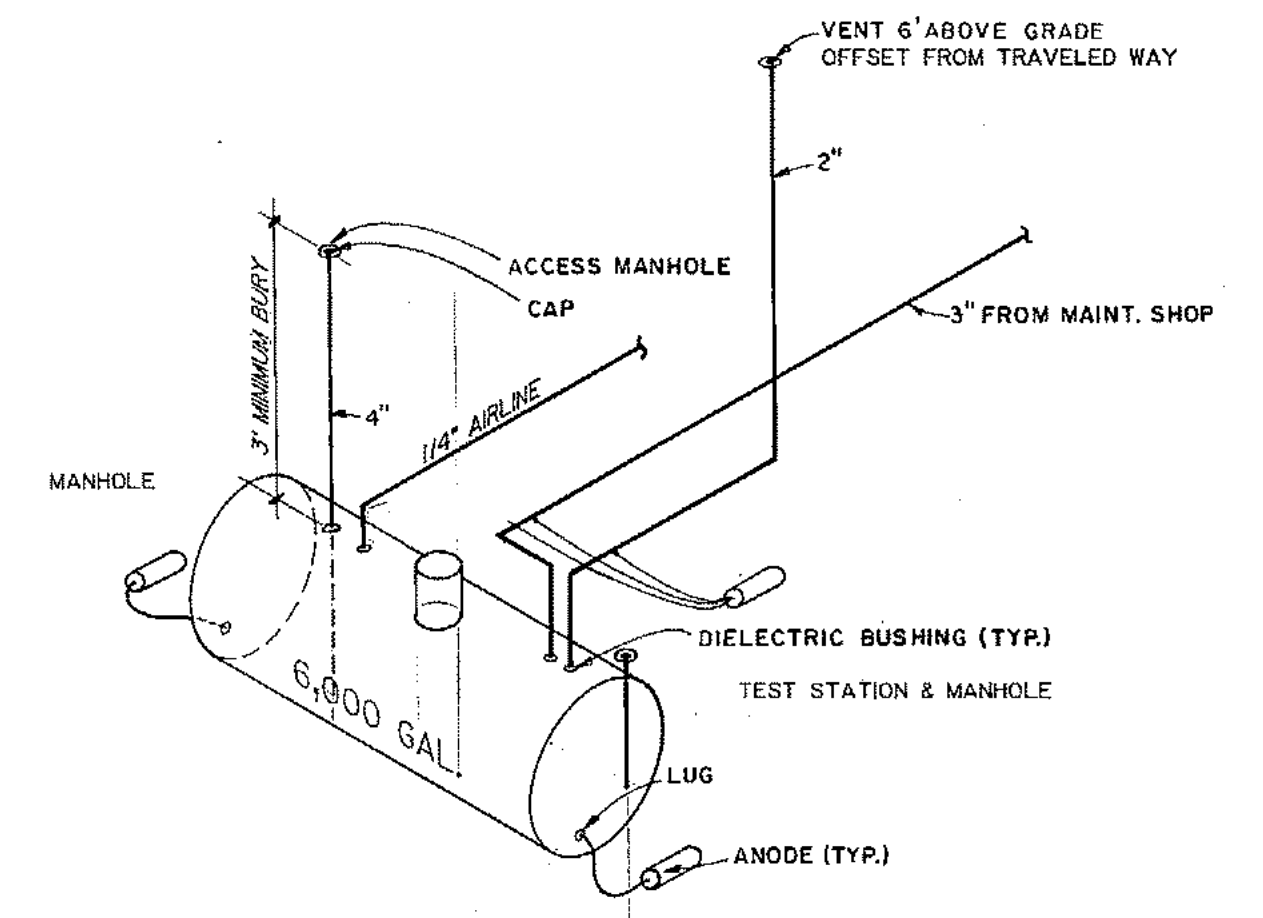
80310



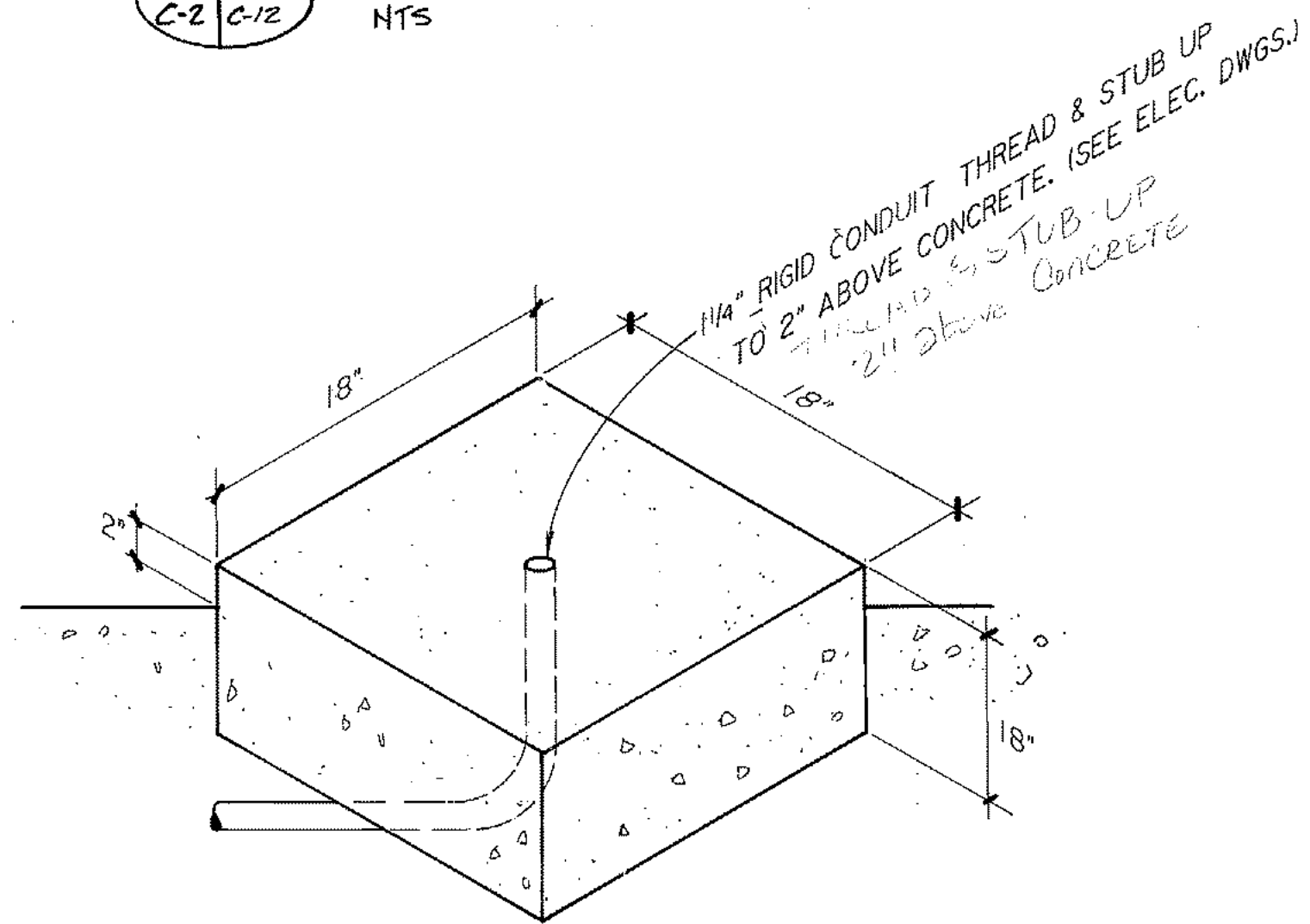
A STORAGE TANK
C-2 C-12 NTS



B FUEL STORAGE TANK
C-2 C-12 NTS



C WASTE OIL TANK
C-2 C-12 NTS

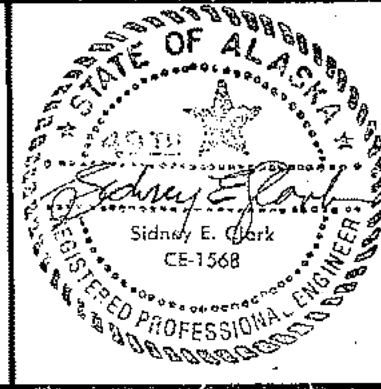


D TRAFFIC CONTROL LIGHT PAD
C-6 C-12 1/2" = 1'-0"

ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

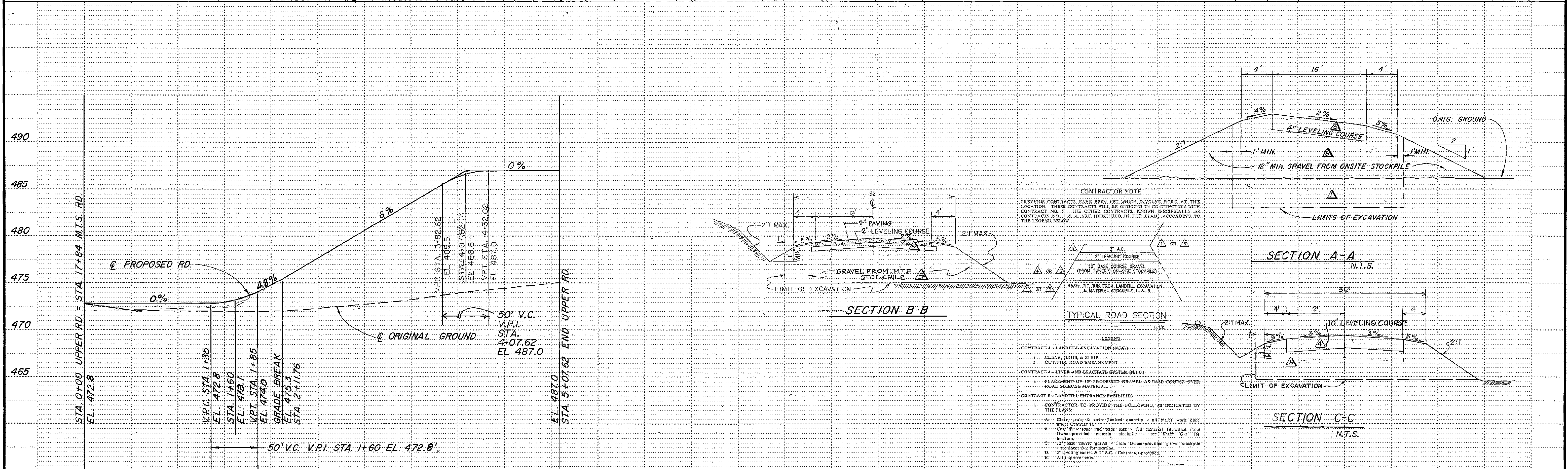
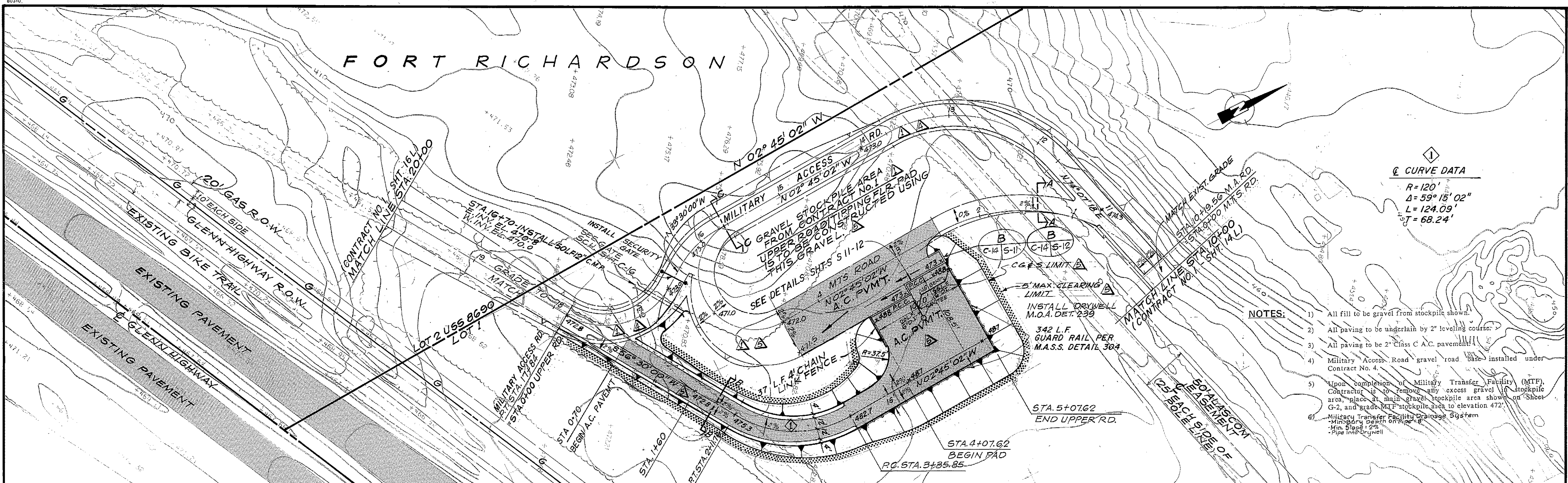
PROJECT NO. 86-010-02
DESIGNED : RLE
DRAWN : WAP,bh
CHECKED : WTH
DATE : FEB 24, 1987
SCALE : AS NOTED

NO.	REVISION	DATE	BY



SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
FUEL & OIL STORAGE SYS. DETAILS
CONTRACT NO. 5

C-12
SHEET 14 OF 85



ARCTIC ENGINEERS INC.
 ANCHORAGE, ALASKA

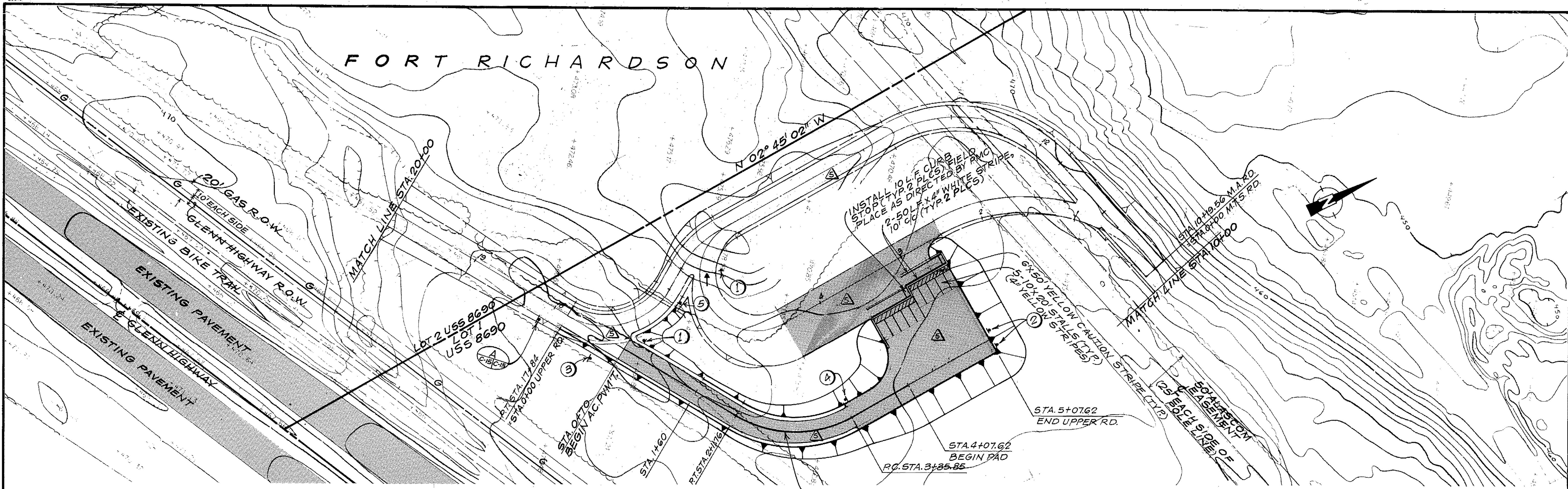
PROJECT NO. 86-010-02
 DESIGNED : WTH
 DRAWN : VMS, GJR
 CHECKED : WTH
 DATE : FEB 24, 1987
 SCALE : 1"=50'

MUNICIPALITY OF ANCHORAGE
 SOLID WASTE SERVICES

STATE OF ALASKA
 49TH
 PROFESSIONAL ENGINEER
 Sidney S. Clark
 CE-1568

SOLID WASTE TRANSFER FACILITIES
Military Transfer Facility
NEW SITE PLAN
 CONTRACT NO. 5

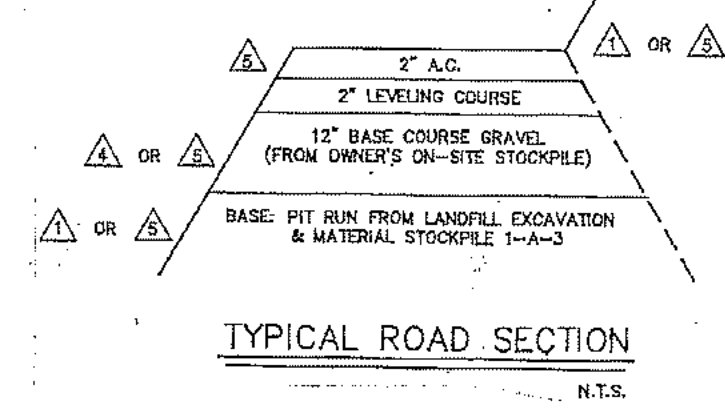
C-15



330 L.F. 4" YELLOW STRIPE

CONTRACTOR NOTE

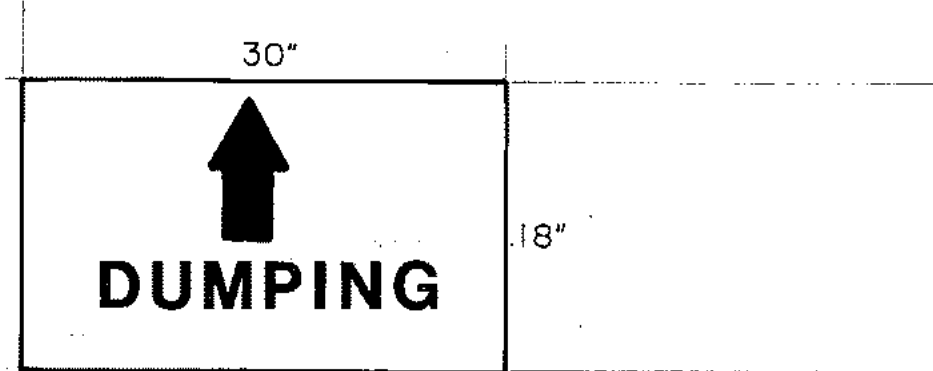
PREVIOUS CONTRACTS HAVE BEEN LET WHICH INVOLVE WORK AT THIS LOCATION. THESE CONTRACTS WILL BE ONGOING IN CONJUNCTION WITH CONTRACT NO. 5. THE OTHER CONTRACTS, KNOWN SPECIFICALLY AS CONTRACTS NO. 1 & 4, ARE IDENTIFIED IN THE PLANS ACCORDING TO THE LEGEND BELOW.



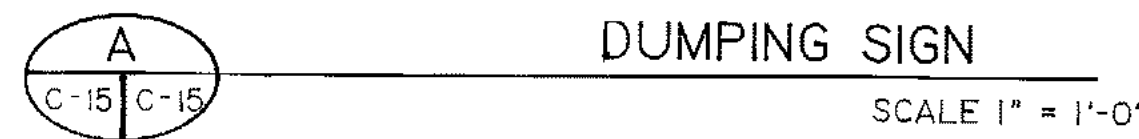
- LEGEND**
- CONTRACT 1 - LANDBELL EXCAVATION (N.L.C.)**
1. CLEAR, GRUB, & STRIP
 2. CUFF/FILL ROAD EMBANKMENT
- CONTRACT 4 - LINER AND LEACHATE SYSTEM (N.L.C.)**
1. PLACEMENT OF 12\"/>
- CONTRACT 5 - LANDFILL ENTRANCE FACILITIES**
1. CONTRACTOR TO PROVIDE THE FOLLOWING, AS INDICATED BY THE PLANS:
 - A. Clear, grub, & strip (limited quantity - all major work done under Contract 1)
 - B. Cuff/fill - road and pad base - fill material furnished from Owner-provided material stockpile - see Sheet G-2 for location.
 - C. 12\"/>
 - D. 2\"/>
 - E. All improvements.

SIGNAGE/TRAFFIC CONTROL SCHEDULE

Item No.	Alaska Traffic Manual Designation	Description
1	(2) R1-1	24\"/>
2	(2) W14-2A	END
3	W1-2L	LEFT CURVE (Arrow)
4	R4-7A	KEEP RIGHT (Arrow)
5	NONE	See Detail G, Sheet C-10



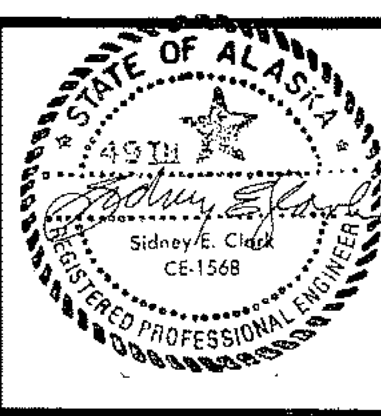
MATERIALS, ALUMINUM
 COLORS: BACKGROUND - WHITE REFLECTIVE
 LETTERS - GREEN REFLECTIVE



SEE SHT. C-15/E-11 POWER TO MILITARY TRANSFER FACILITY

PROJECT NO. 86-010-02
 DESIGNED : WTH
 DRAWN : VMS
 CHECKED : WTH
 DATE : FEB 24, 1987
 SCALE : 1"=50'

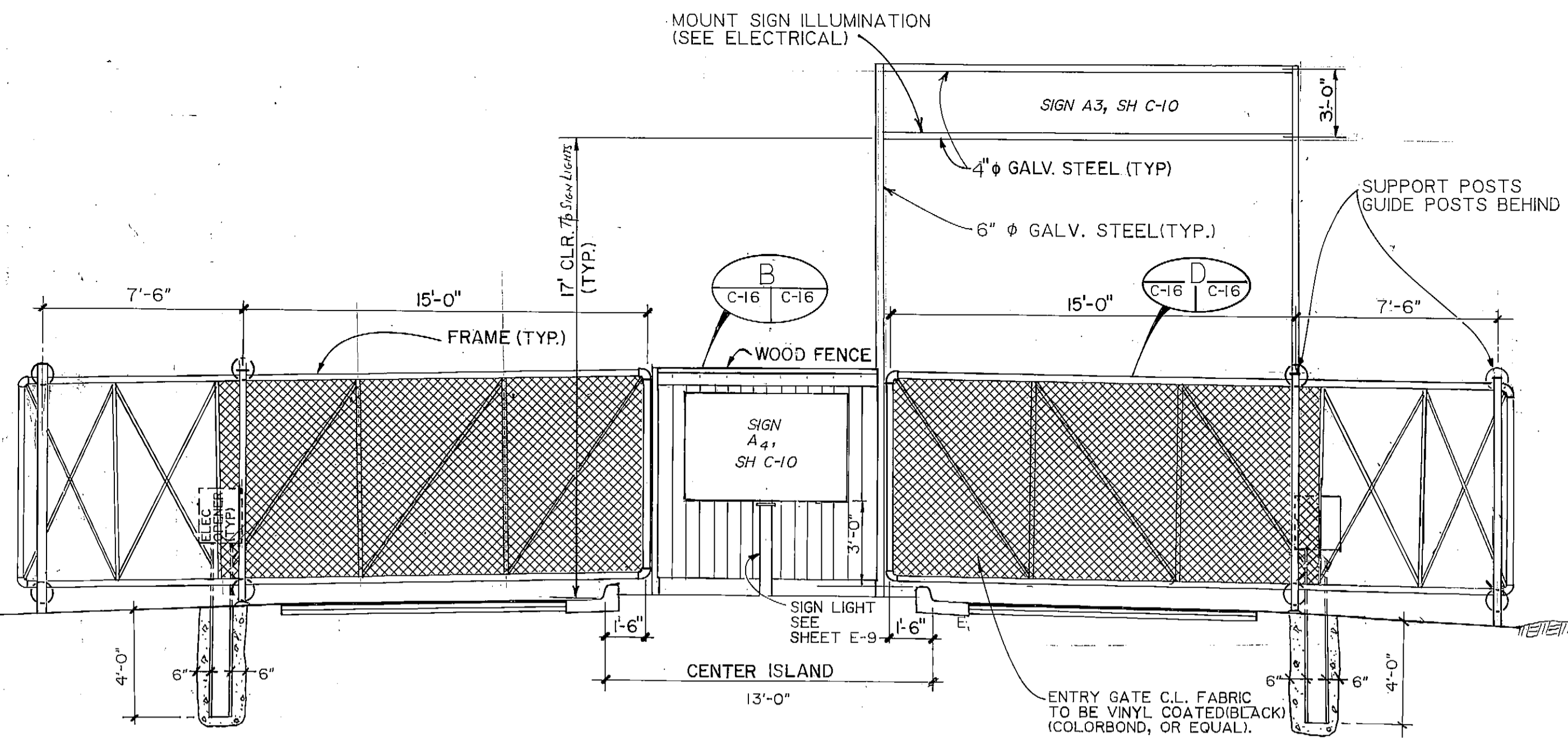
NO.	REVISION	DATE BY



SOLID WASTE TRANSFER FACILITIES
Military Transfer Facility
 TRAFFIC CONTROL PLAN
 CONTRACT NO. 5

C-15
 SHEET 17 OF 85

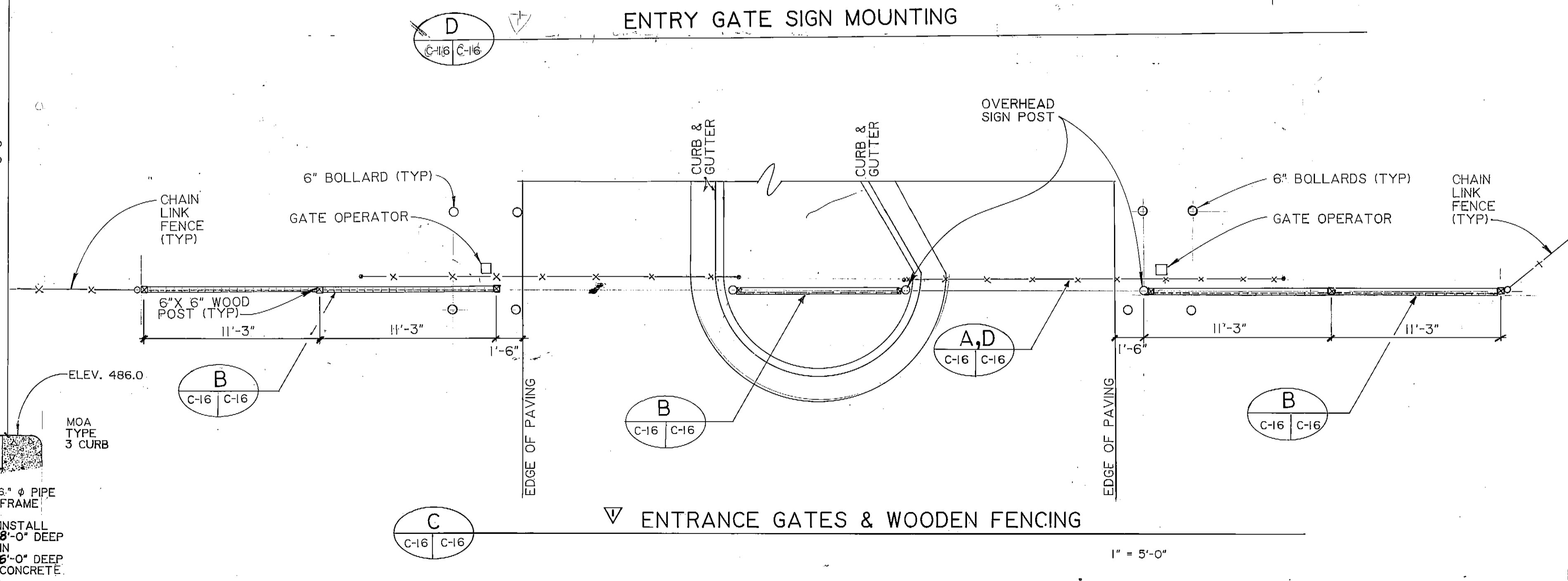
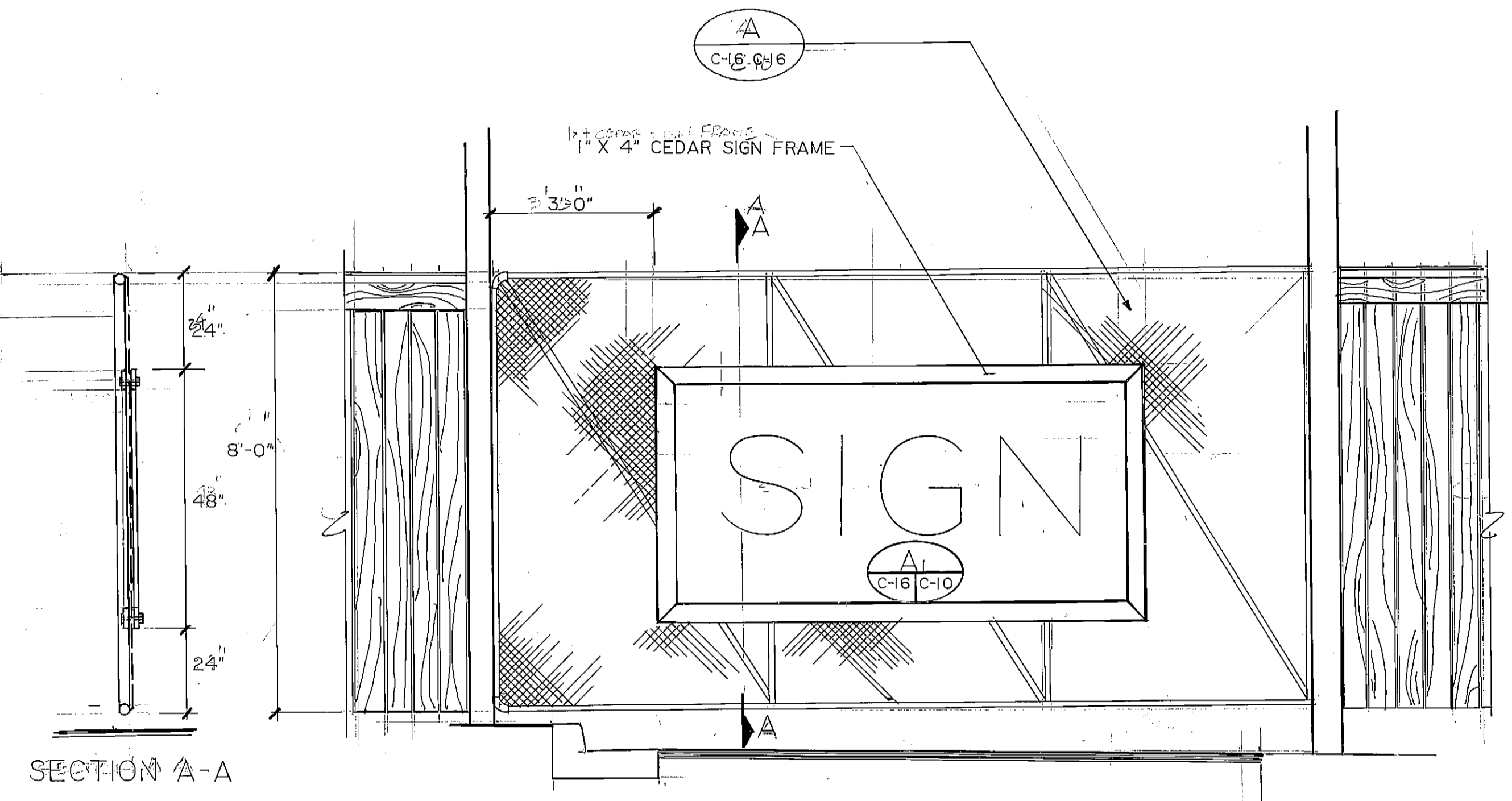
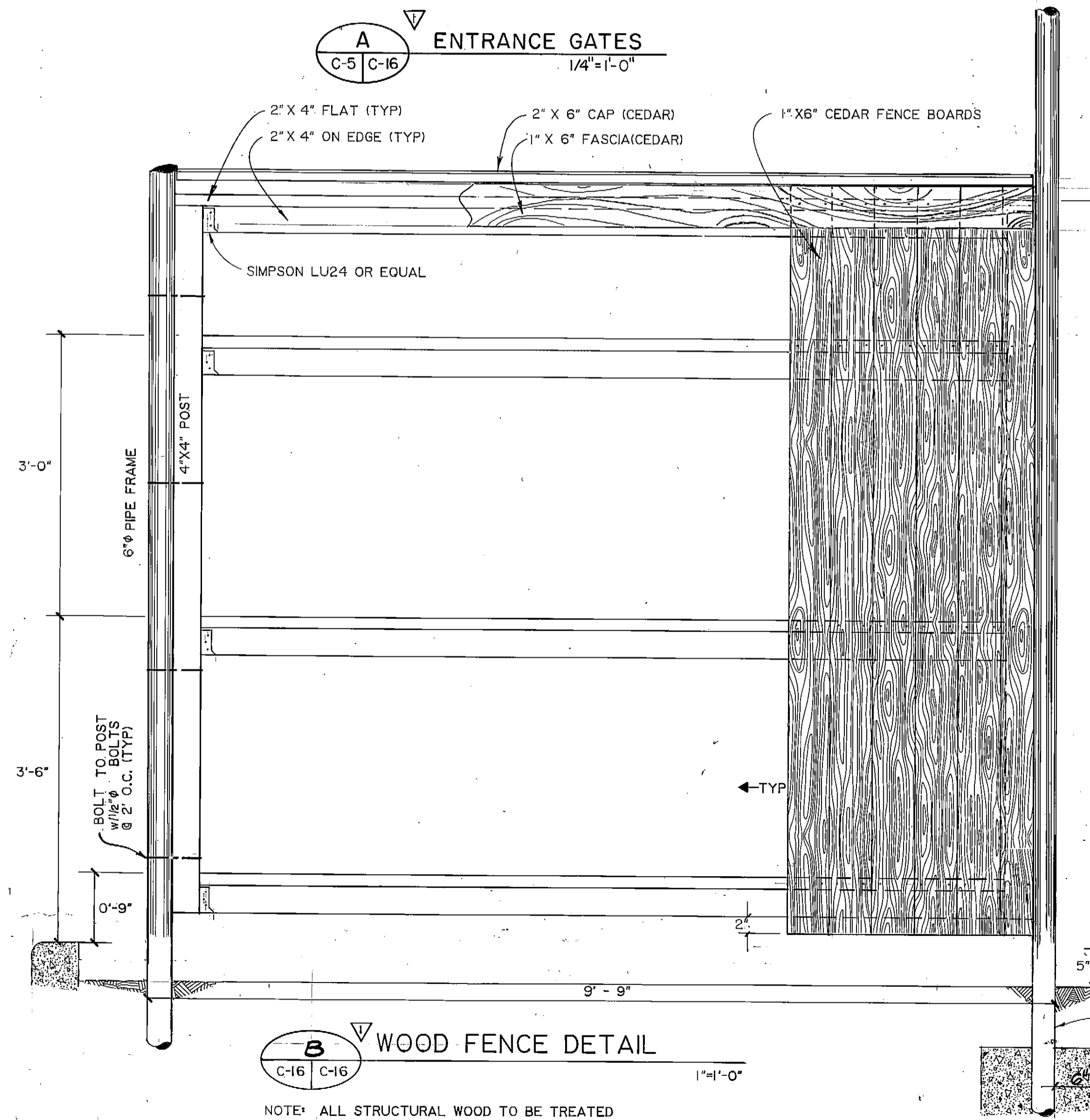
C-16



GATE SCHEDULE

GATE LOCATION	OPENING WIDTH	DESCRIPTION
ENTRANCE SHEET C-5	15'	ELECTRIC SLIDE
ENTRANCE SHEET C-5	15'	ELECTRIC SLIDE
SECURITY SHEET C-14	28'	MANUAL SWING DOUBLE
SECURITY SHEET C-2	32'	MANUAL SWING DOUBLE
SECURITY SHEET C-2	32'	MANUAL SWING DOUBLE

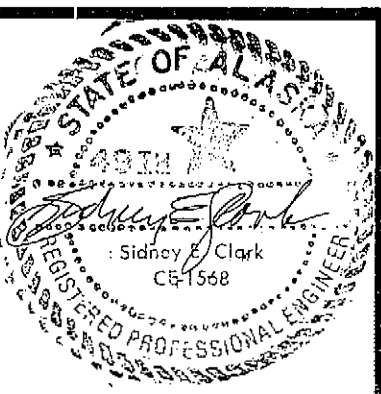
- NOTES:
- FABRIC: 9 GAUGE, VINYL COATED AS NOTED
 - FENCING HEIGHT: 8' w/ TOP RAIL
 - SEE MASS STANDARD DETAILS 311, 312, & 313 FOR FENCING DETAILS
 - WOODEN FENCES TO LEFT & RIGHT OF GATE HAVE NOT BEEN SHOWN FOR CLARITY.



ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO. 86-010-02
 DESIGNED: RLE
 DRAWN: VMS, WAP
 CHECKED: WTH
 DATE: FEB 24, 1987
 SCALE: AS NOTED

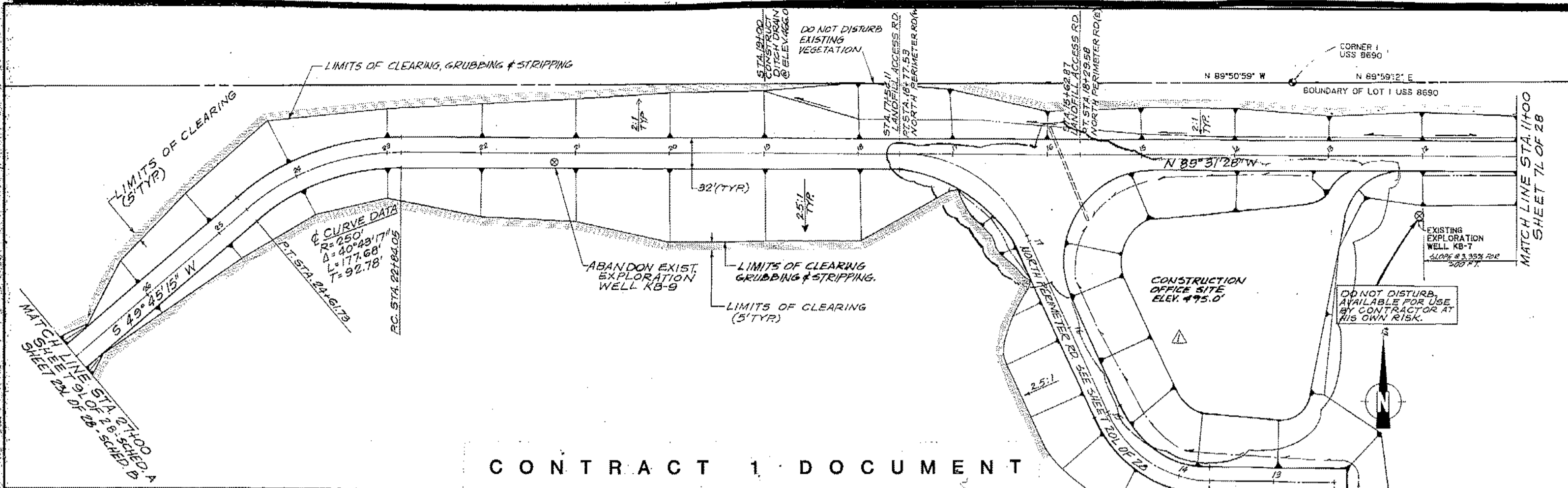
NO.	REVISION	DATE	BY
1	FENCE DETAILS / SIGN ADD #1	3/23/87	ADN



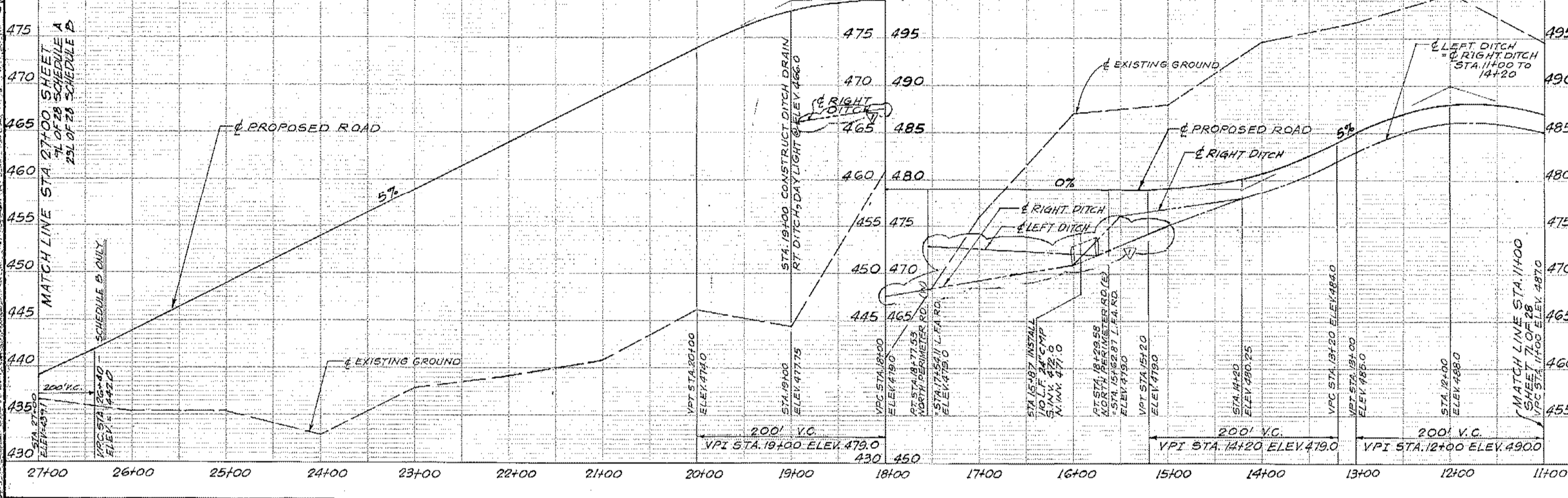
SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility & Military Transfer Facility
 GATES, FENCING & MISC. DETAILS
 CONTRACT NO. 5

C-16
 SHEET 18 OF 85

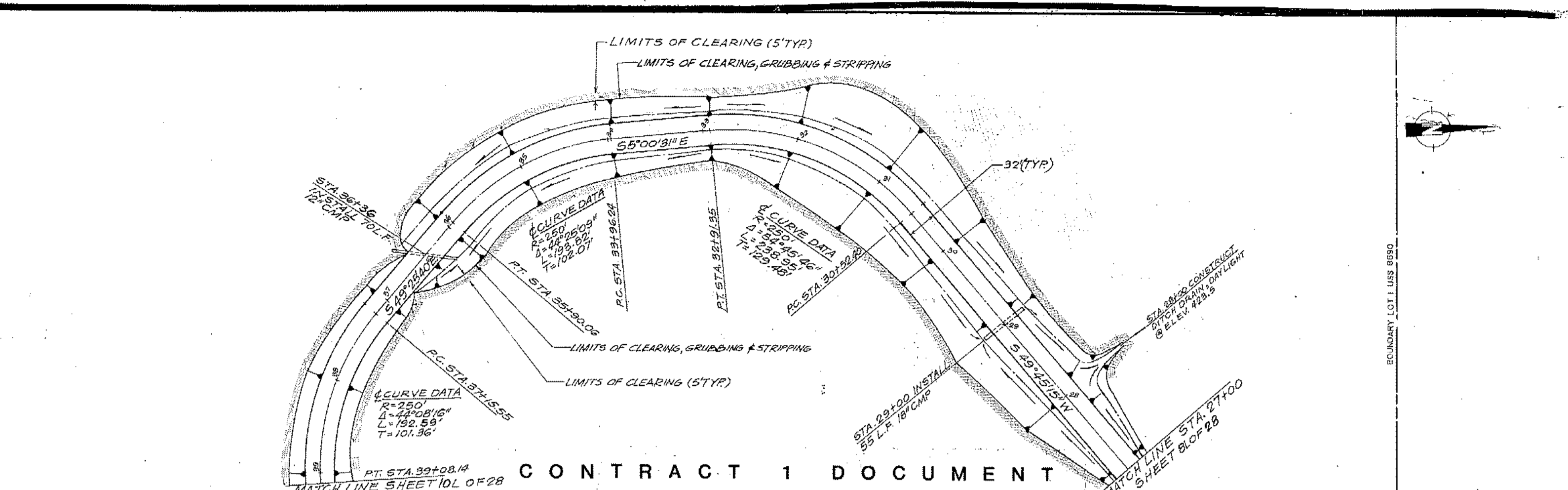
L.E.F. LANDFILL RD BASE - C-17



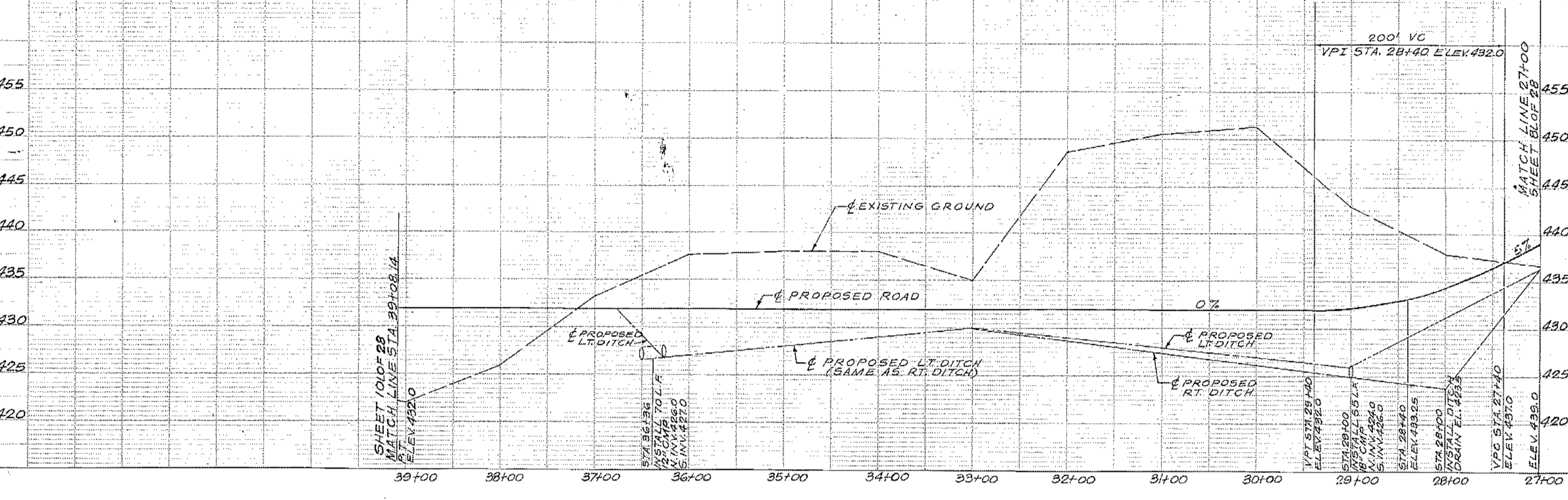
CONTRACT 1 DOCUMENT



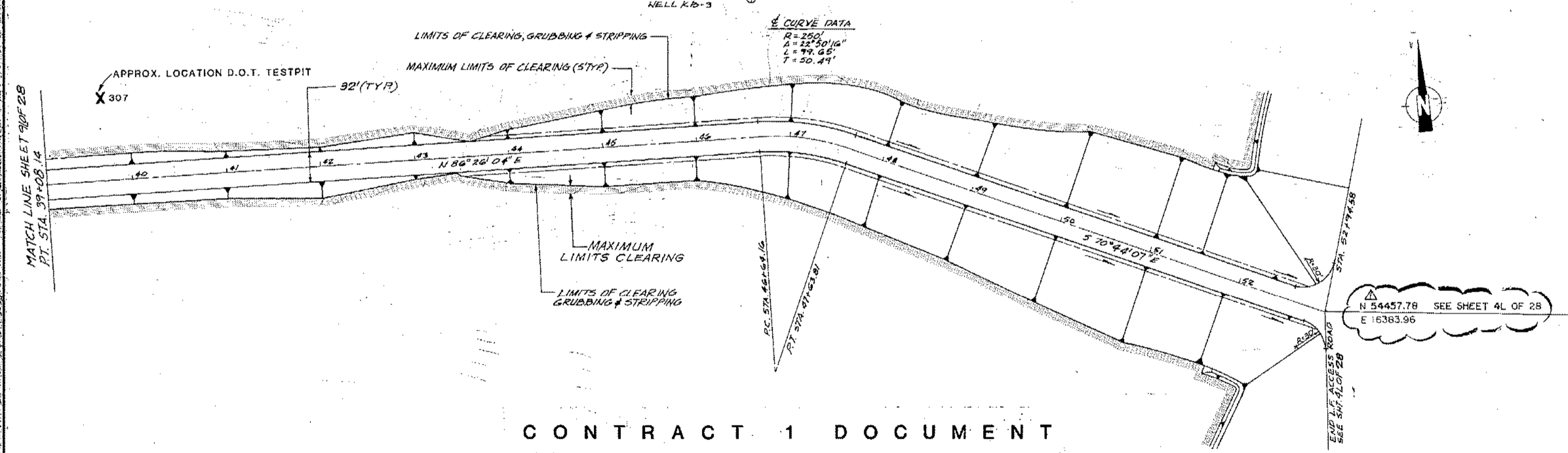
	ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA	PROJECT NO. 86-02-03 DESIGNED: JTH DRAWN: NWS, KLA, AKF CHECKED: WTH DATE: OCTOBER, 1986 SCALE: SEE NOTE 1		Anchorage Regional Landfill EXCAVATION PLAN LANDFILL ACCESS ROAD PLAN & PROFILE STA. 11+00 TO STA. 27+00	SCHEDULE A SHEET 8L OF 28



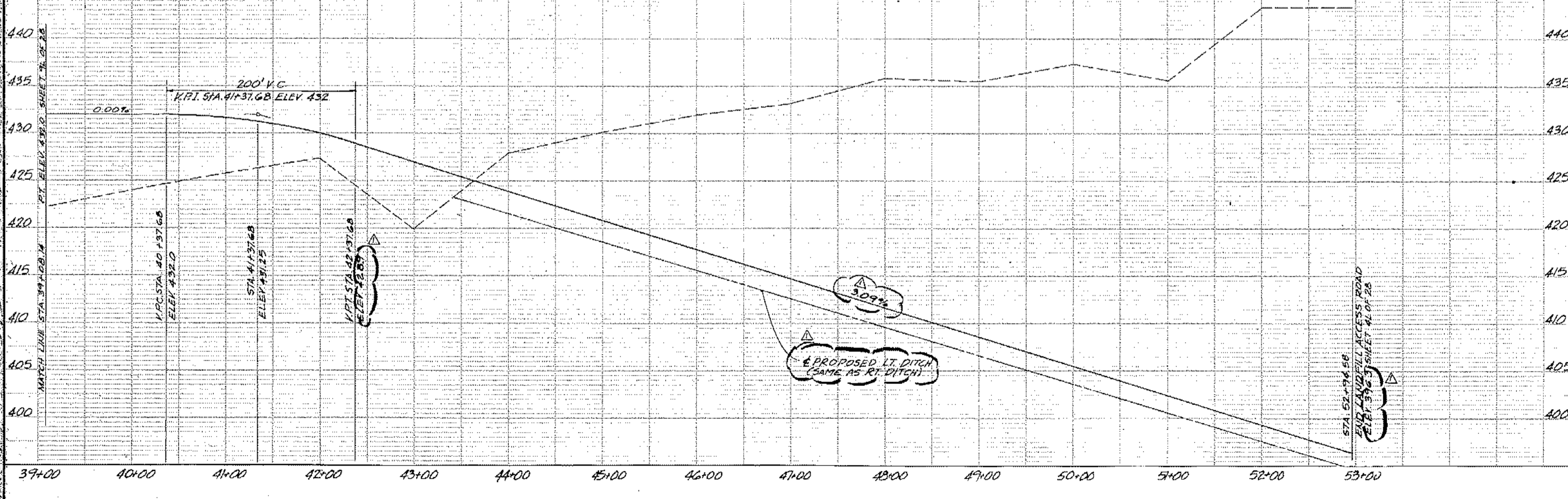
CONTRACT 1 DOCUMENT



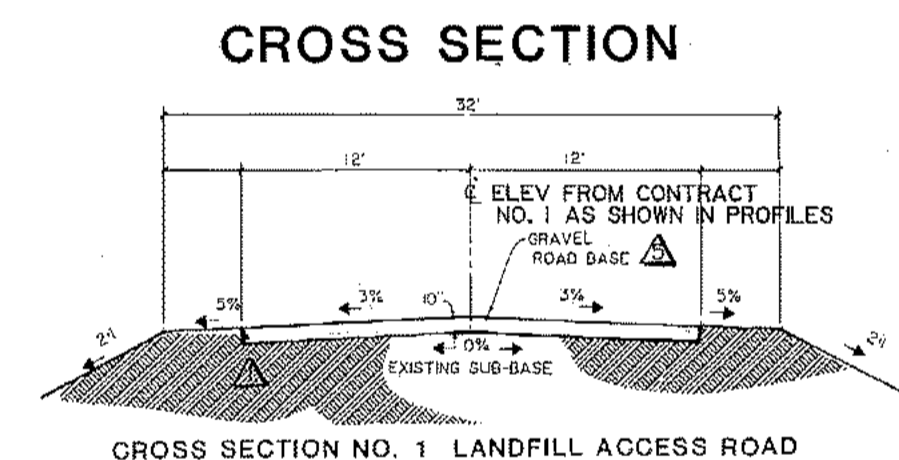
	ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA	PROJECT NO. 86-02-03 DESIGNED: JAS DRAWN: NWS, KLA, AKF CHECKED: WTH DATE: OCTOBER, 1986 SCALE: SEE NOTE 1		Anchorage Regional Landfill EXCAVATION PLAN LANDFILL ACCESS ROAD PLAN & PROFILE STA. 27+00 TO STA. 39+00	SCHEDULE A SHEET 9L OF 28



CONTRACT 1 DOCUMENT



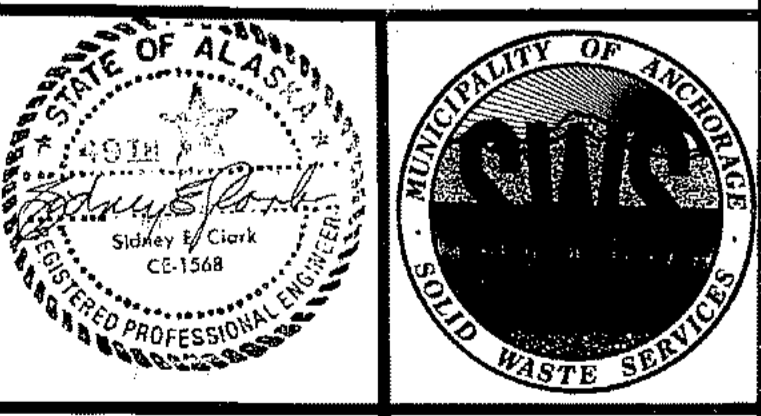
	ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA	PROJECT NO. 86-02-03 DESIGNED: JAS DRAWN: NWS, KLA, AKF CHECKED: WTH DATE: OCTOBER, 1986 SCALE: SEE NOTE 1		Anchorage Regional Landfill EXCAVATION PLAN LANDFILL ACCESS ROAD PLAN & PROFILE STA. 39+00 TO STA. 53+00	SCHEDULE A SHEET 10L OF 28



CONSTRUCTION TABLE	
STATION: FROM/TO	CONSTRUCTION OF ROAD BASE
APPROX 17+70 21+75	MAINTAIN CROSS SECTION NO. 1 (GRADE TO MEET A.C. PAVEMENT)
21+75 22+84.05	ROTATE LEFT ABOUT C.L. TO ATTAIN 3% LEFT SUPERELEVATION
22+84.05 24+61.73	MAINTAIN 3% LEFT SUPERELEVATION
24+61.73 25+75	ROTATE RIGHT ABOUT C.L. TO ATTAIN CROSS SECTION NO. 1
25+75 29+42.4	MAINTAIN CROSS SECTION NO. 1
29+42.4 30+52.4	ROTATE LEFT ABOUT C.L. TO ATTAIN 3% LEFT SUPERELEVATION
30+52.4 39+08.14	MAINTAIN 3% LEFT SUPERELEVATION
39+08.14 40+18.14	ROTATE RIGHT ABOUT C.L. TO ATTAIN CROSS SECTION NO. 1
40+18.14 45+54.14	MAINTAIN CROSS SECTION NO. 1
45+54.14 46+64.14	ROTATE RIGHT ABOUT C.L. TO ATTAIN 3% RIGHT SUPERELEVATION
46+64.14 47+63.81	MAINTAIN 3% RIGHT SUPERELEVATION
47+63.81 48+73.81	ROTATE LEFT ABOUT C.L. TO ATTAIN CROSS SECTION NO. 1
48+73.81 52+94.58	MAINTAIN CROSS SECTION NO. 1
52+94.58	GRADE TO MATCH EXISTING GRADE

NOTE: STATIONING FROM CONTRACT NO. 1.

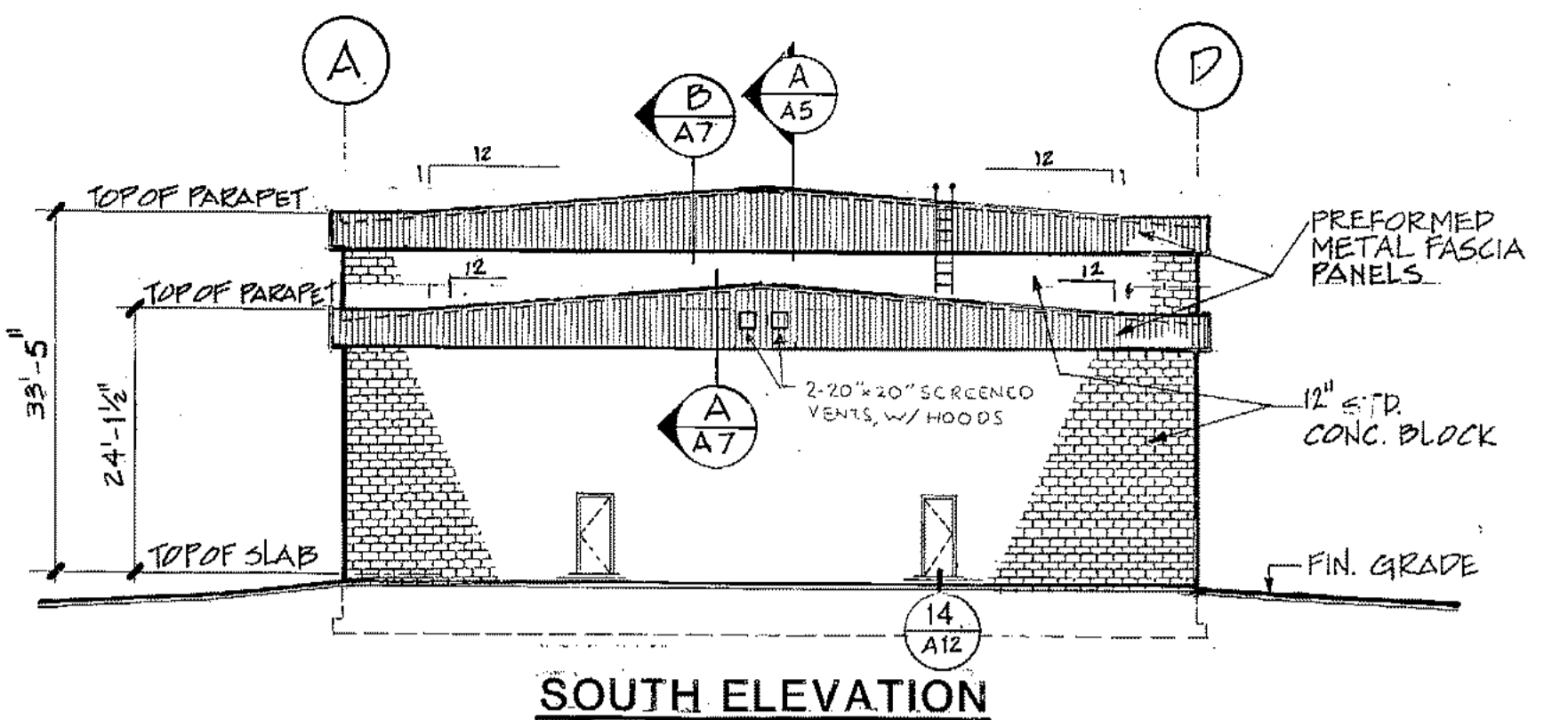
- NOTES:**
1. ROAD BASE MAT'L TO BE OBTAINED FROM ON-SITE GRAVEL STOCKPILE (SH C-2).
 2. GRADING OF SUB-BASE WILL BE REQUIRED PRIOR TO PLACEMENT OF ROAD BASE.
 3. DRAWINGS 8L, 9L & 10L SHOWN ON THIS SHEET WERE PREPARED FOR CONTRACT NO. 1. STATIONING LISTED IN THE CONSTRUCTION TABLE IS SHOWN IN THOSE DRAWINGS. THE DRAWINGS HAVE BEEN REDUCED. THEIR SCALE IS:
HORIZONTAL: 1" = 100'
VERTICAL: 1" = 10'
 4. ROAD BASE PLACEMENT WILL INCREASE 8L, 9L & 10L CENTERLINE ELEVATIONS 10'.



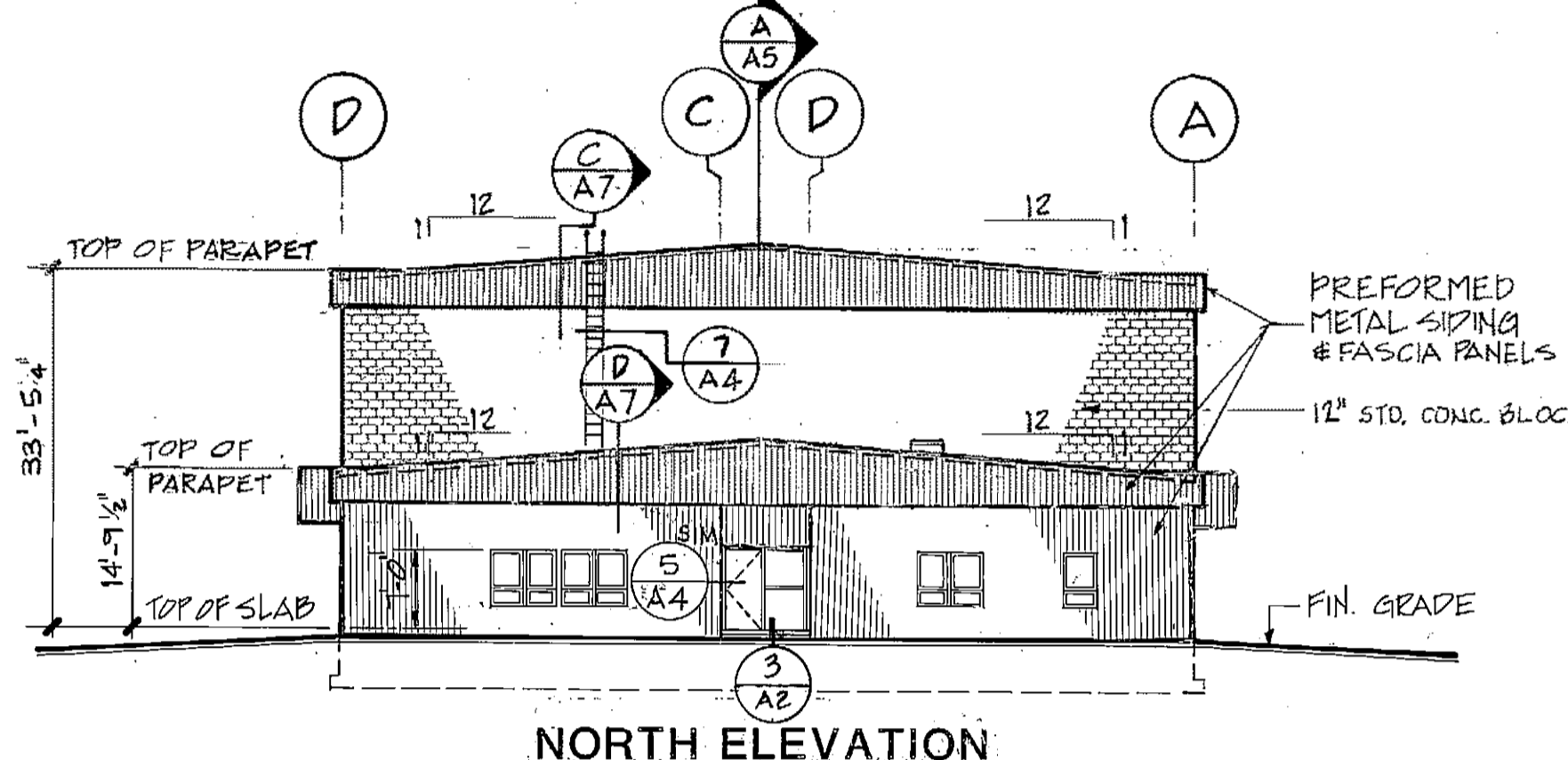
PROJECT NO.	86-010-02 MOA
DESIGNED	JTH
DRAWN	bh
CHECKED	
DATE	FEB. 24, 1987
SCALE	AS NOTED (NOTE I)
NO. REVISION DATE BY	

SOLID WASTE TRANSFER FACILITIES Landfill Entrance Facilities LANDFILL ACCESS ROAD GRAVEL ROAD BASE	C-17 SHEET 19 OF 85
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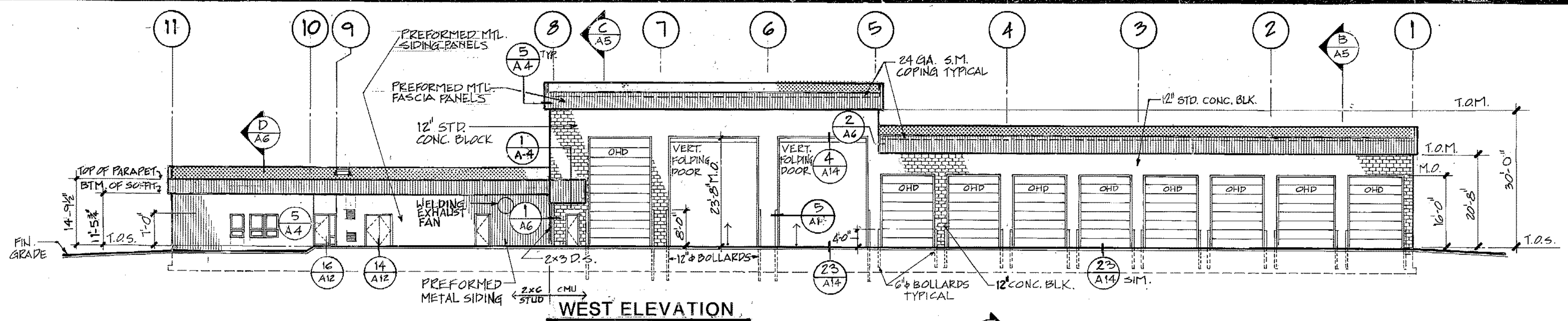
Hand-drawn by J. J. ...
 Checked by J. J. ...
 4/1/87



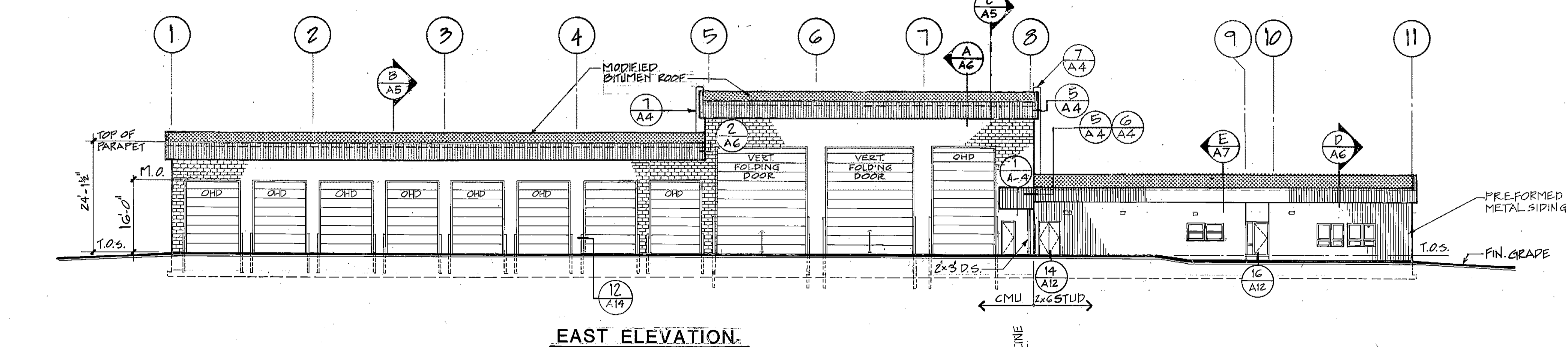
SOUTH ELEVATION



NORTH ELEVATION



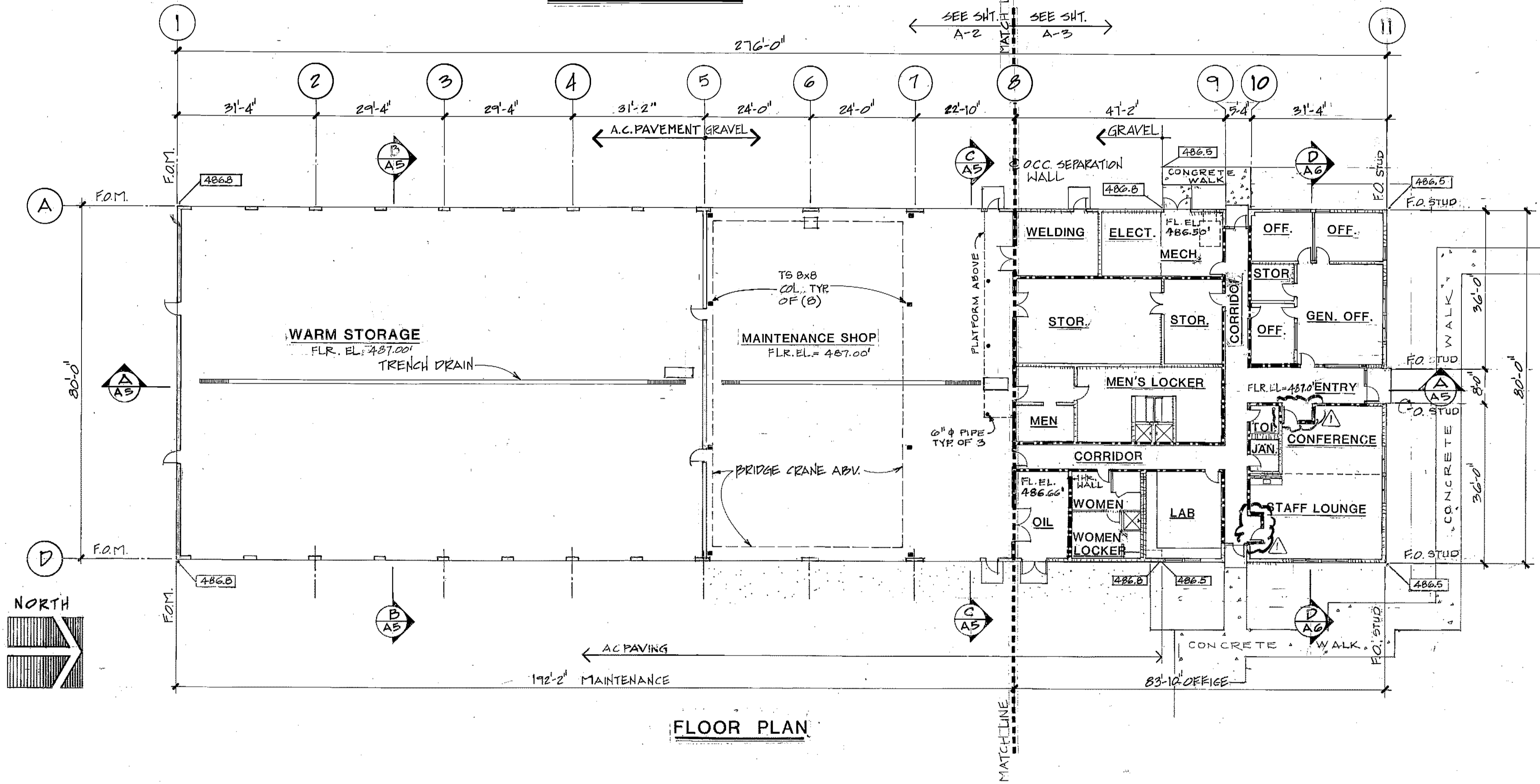
WEST ELEVATION



EAST ELEVATION

LEGEND

- WOOD FRAME WALL (1/8" PLAN)
- C.M.U. MASONRY WALL w/ WAJNSCOT (1/8" PLAN)
- 1-HOUR WALL (1/8" PLAN)
- OCCUPANCY SEPARATION WALL (1/8" PLAN)
- MATCH LINE (1/16" & 1/8" PLAN)
- BUILDING SECTION
- DETAIL OR PLAN SECTION
- WALL SECTION
- FINISH GRADE
- DOOR # DESIGNATION
- WINDOW # DESIGNATION
- GRID LINE

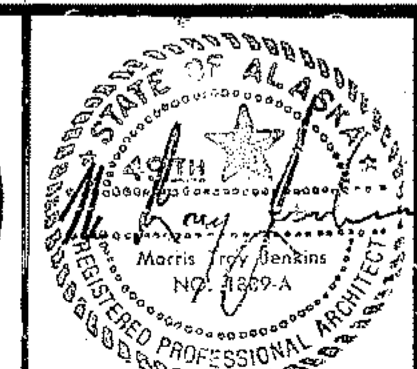


FLOOR PLAN

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

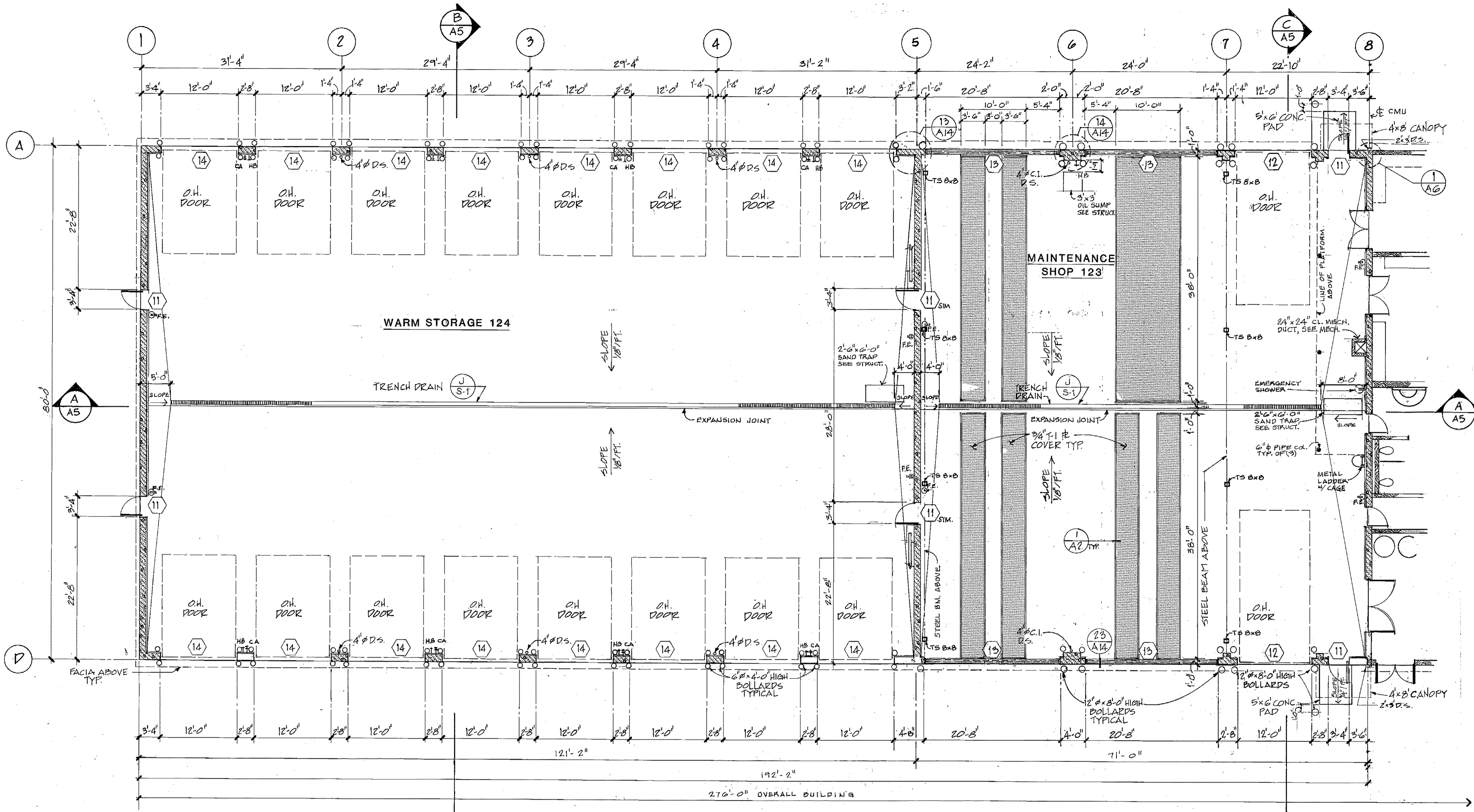
PROJECT NO. 86-010-02 MOA
 DESIGNED BY: RBM
 DRAWN BY: WAP, AKF
 CHECKED BY:
 DATE: FEB 24, 1987
 SCALE: 1/16" = 1'-0"

DESIGN MOD. 5-1-87 WTH
 NO. REVISION DATE BY



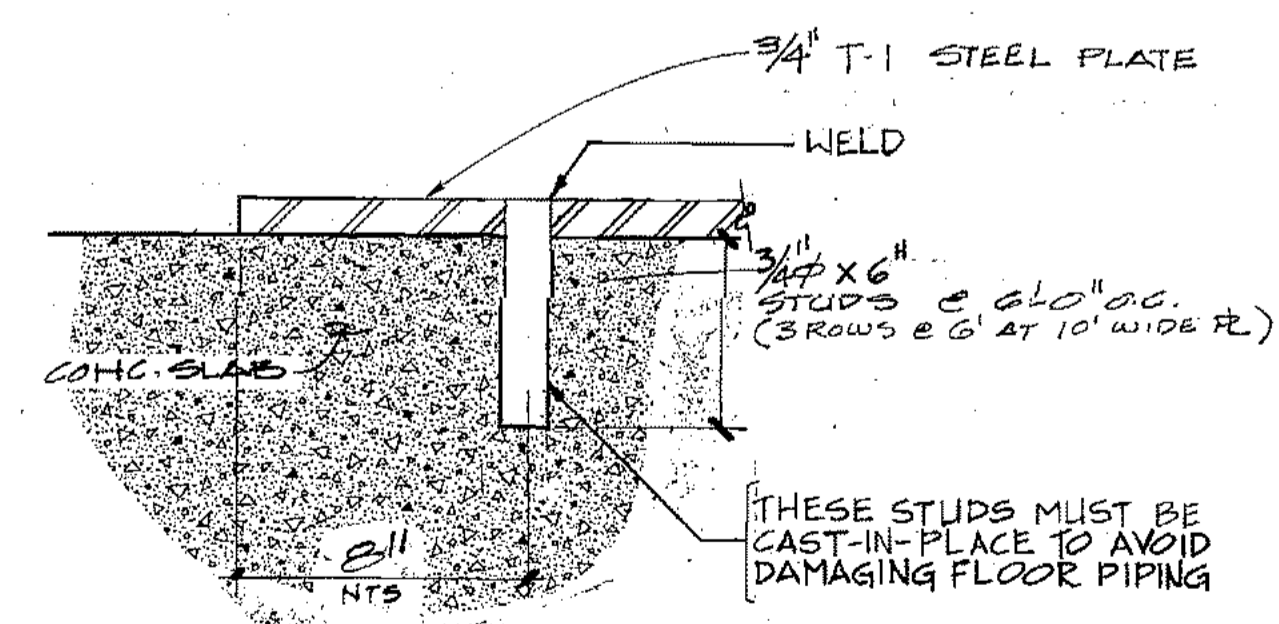
SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
FLOOR PLAN, EXTERIOR ELEVATIONS, LEGEND

Landfill Entrance Facility
Maintenance Shop floor plan
A2

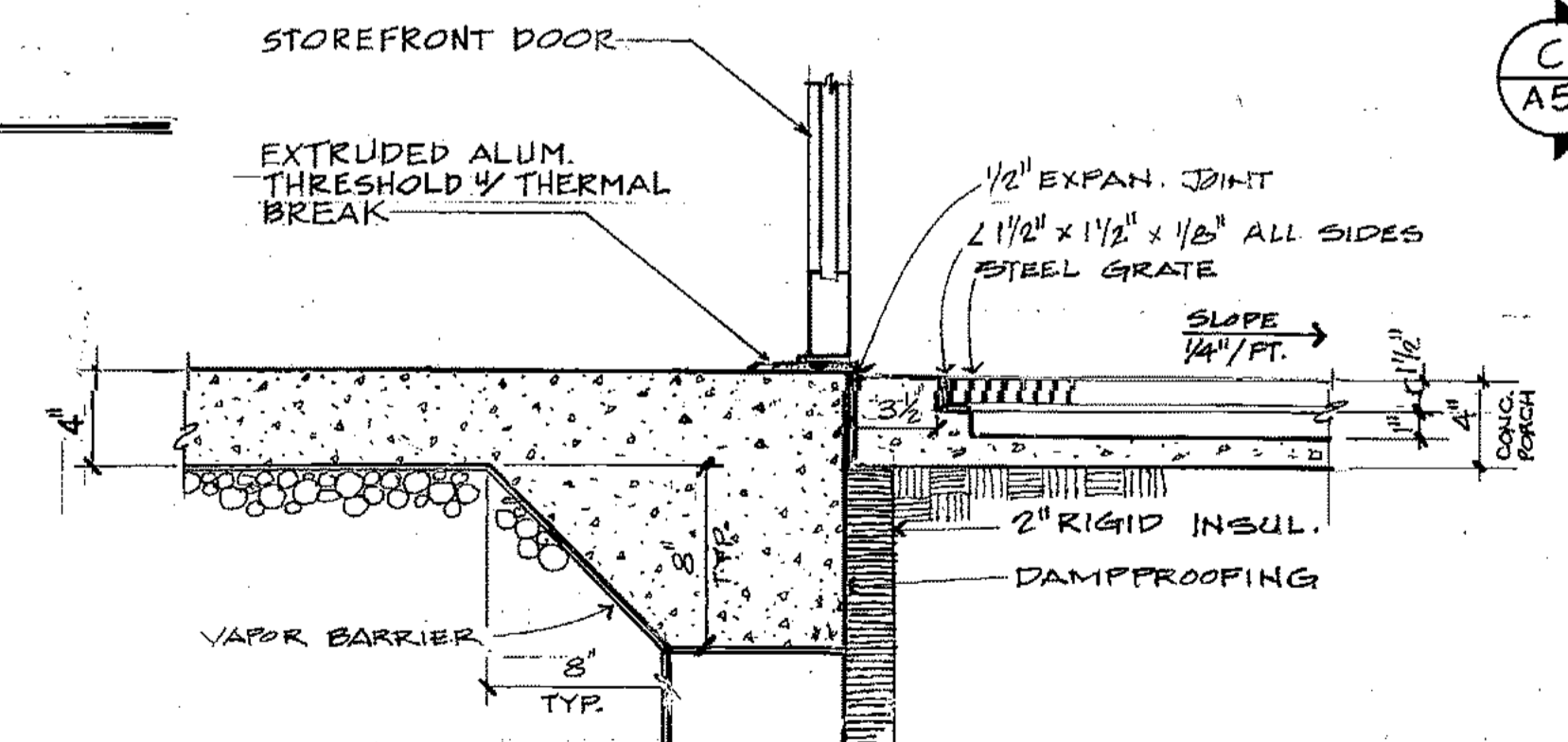


MAINTENANCE BUILDING

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



1
A2
SCALE - 3" = 1'-0"

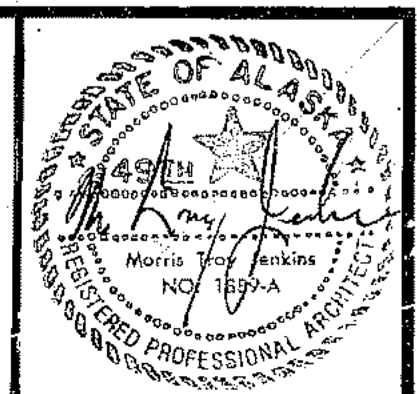
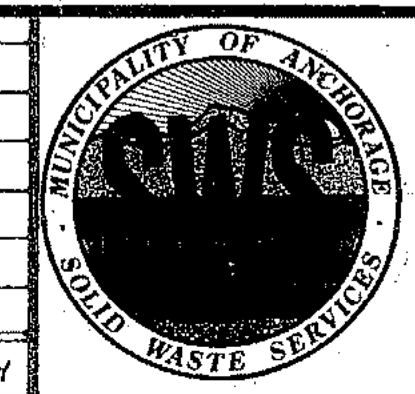


3
A2
SCALE - 1/2\"/>

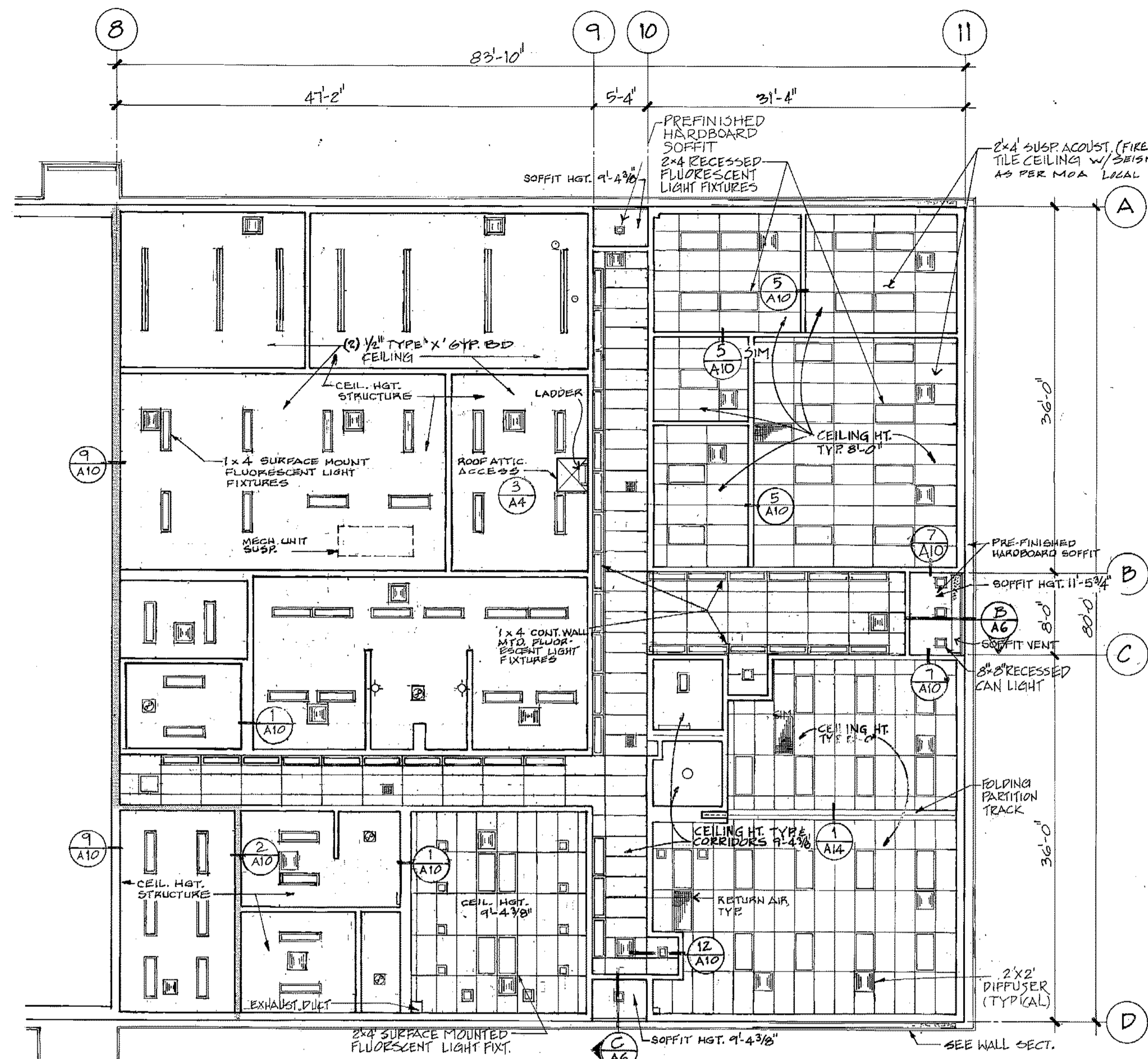
ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
DESIGNED: RBM
DRAWN: WAP AKF
CHECKED:
DATE: FEB 24, 1987
SCALE: AS NOTED

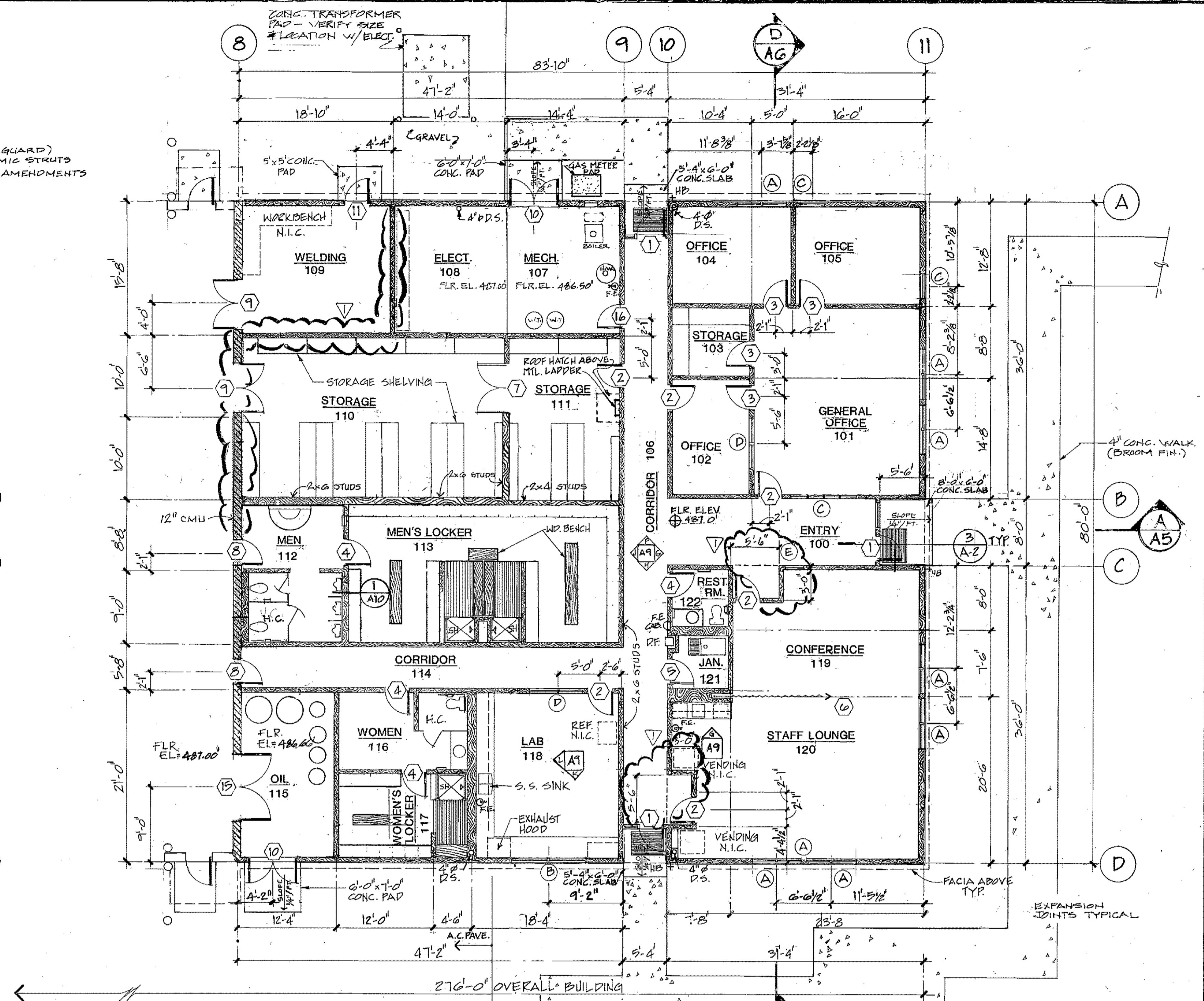
NO.	REVISION	DATE BY



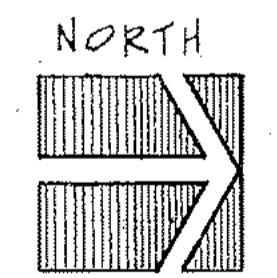
SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
MAINTENANCE / ADMINISTRATION BUILDING
MAINTENANCE BUILDING
FLOOR PLANS, DETAILS



REFLECTED CEILING PLAN - OFFICE
SCALE: 1/8" = 1'-0"



FLOOR PLAN - OFFICE

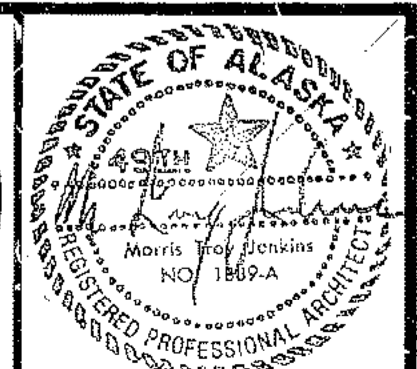
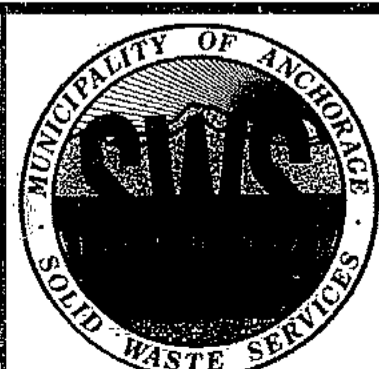


NOTE: FOR 1/8" = 1'-0" PLANS OF ROOMS 112, 113, 116, 117, 121 & 122 SEE SHEET A-8

ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

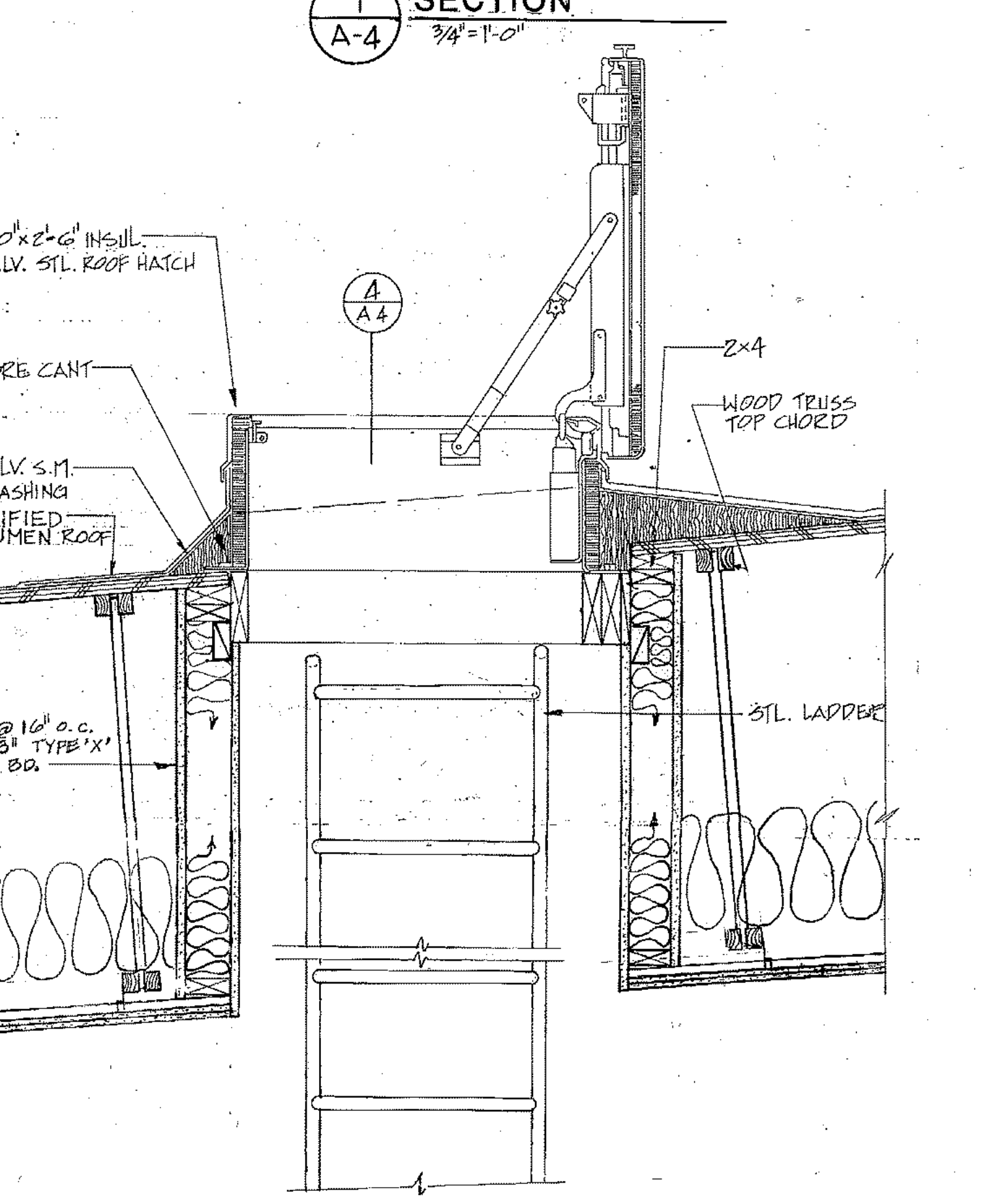
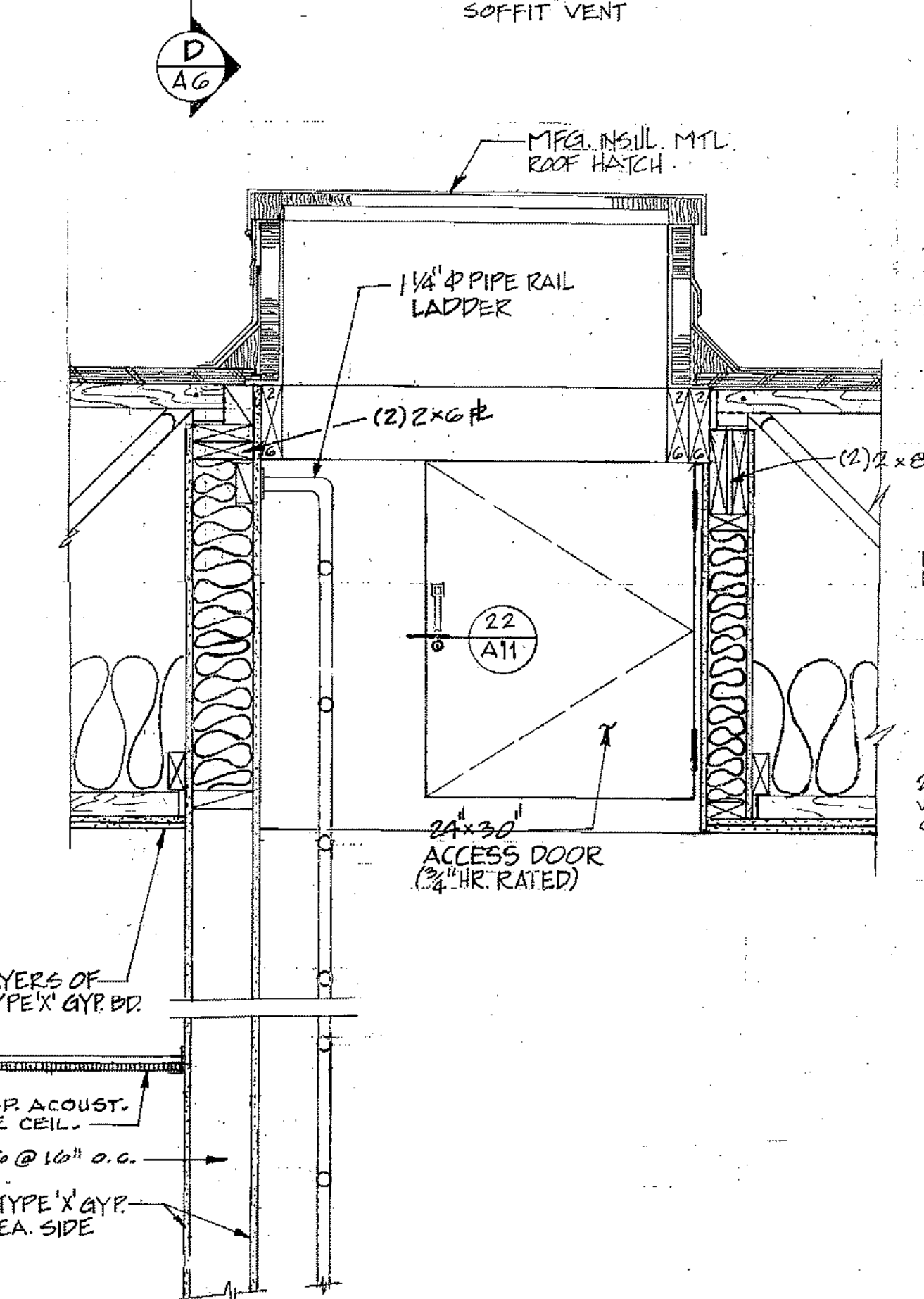
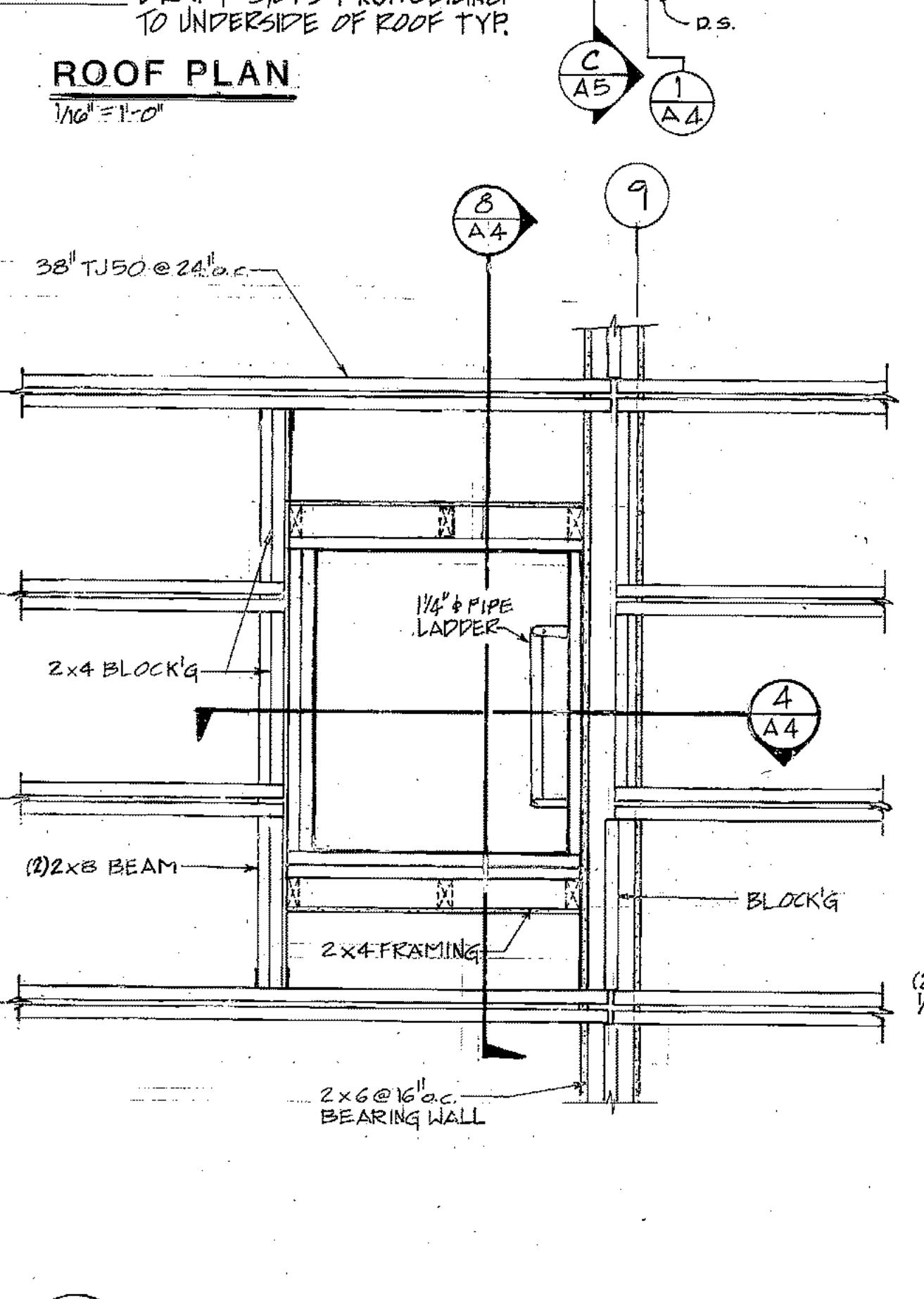
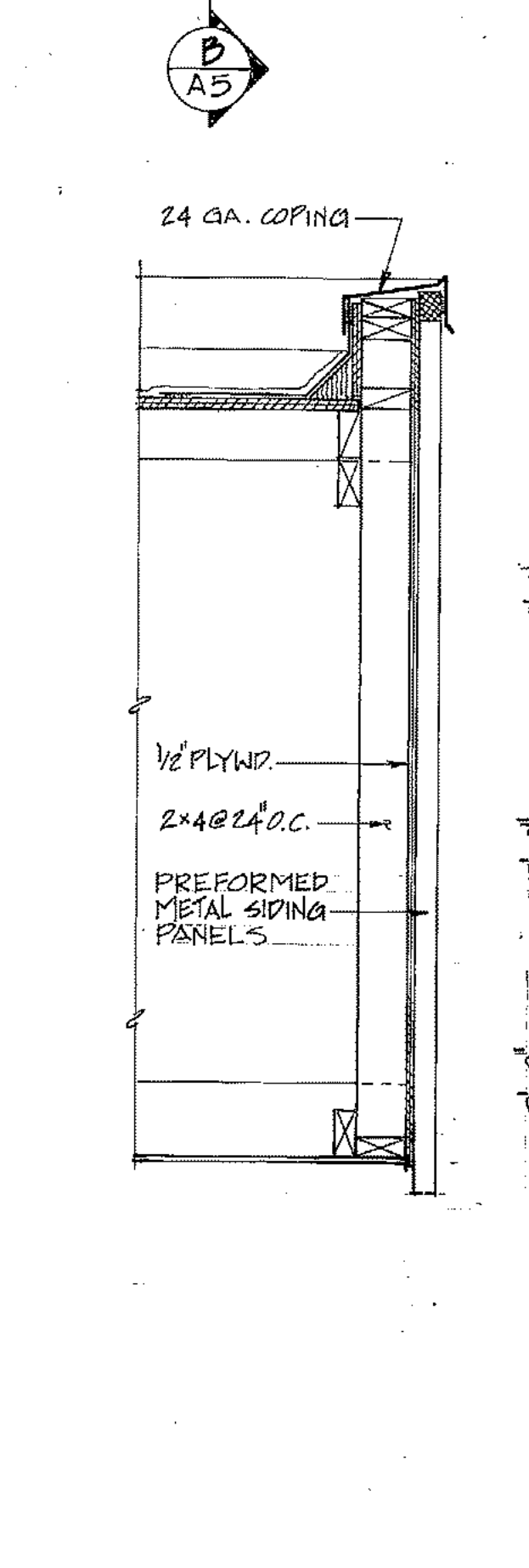
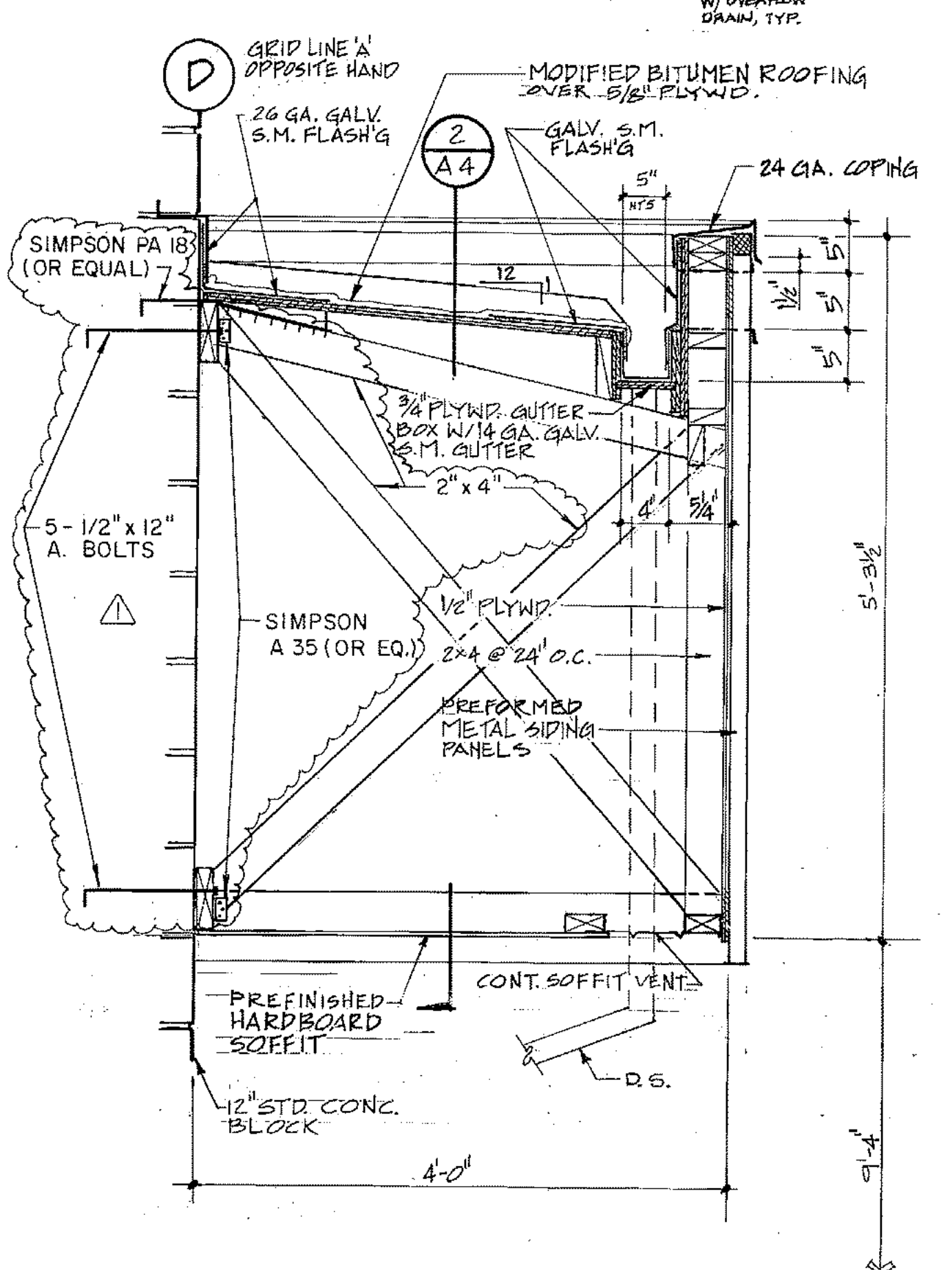
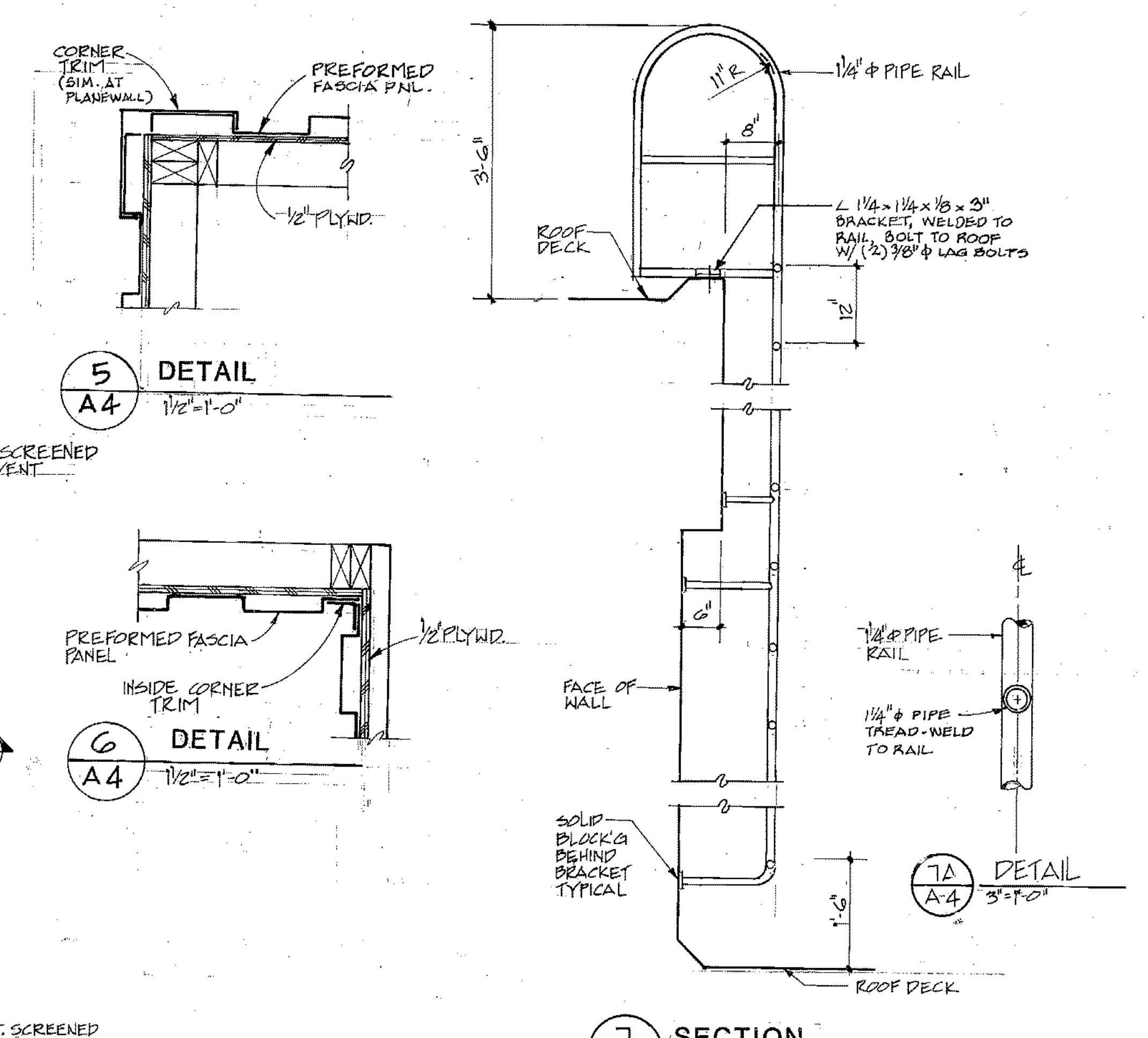
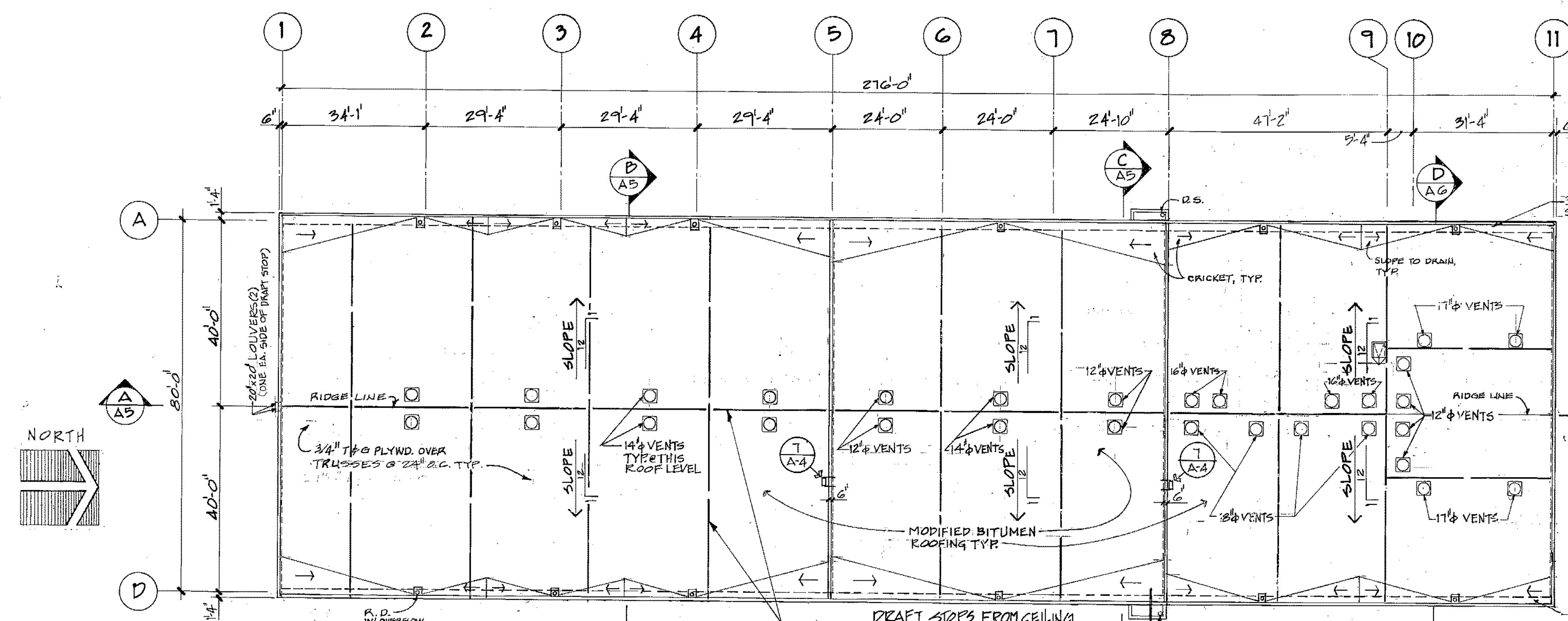
PROJECT NO. 86-010-02
DESIGNED : RBM
DRAWN : WAP, AKF, bh
CHECKED :
DATE : FEB 24, 1987
SCALE : 1/8" = 1'-0"

DESIGN MOD.	5-1-87	WTH
NO.	REVISION	DATE BY



SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
MAINTENANCE / ADMINISTRATION BUILDING
ADMINISTRATION FLOOR PLAN
& REFLECTED CEILING PLAN

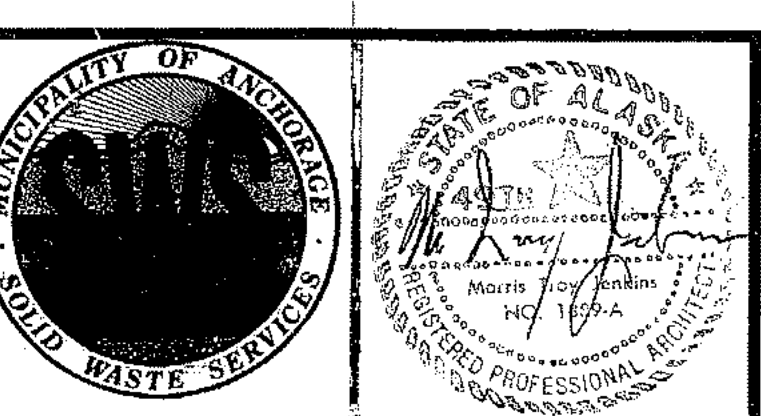
Landfill Entrance Facility
 Roof Plan, Sections & Details
 A-4



ARCTIC ENGINEERS INC.
 ANCHORAGE, ALASKA

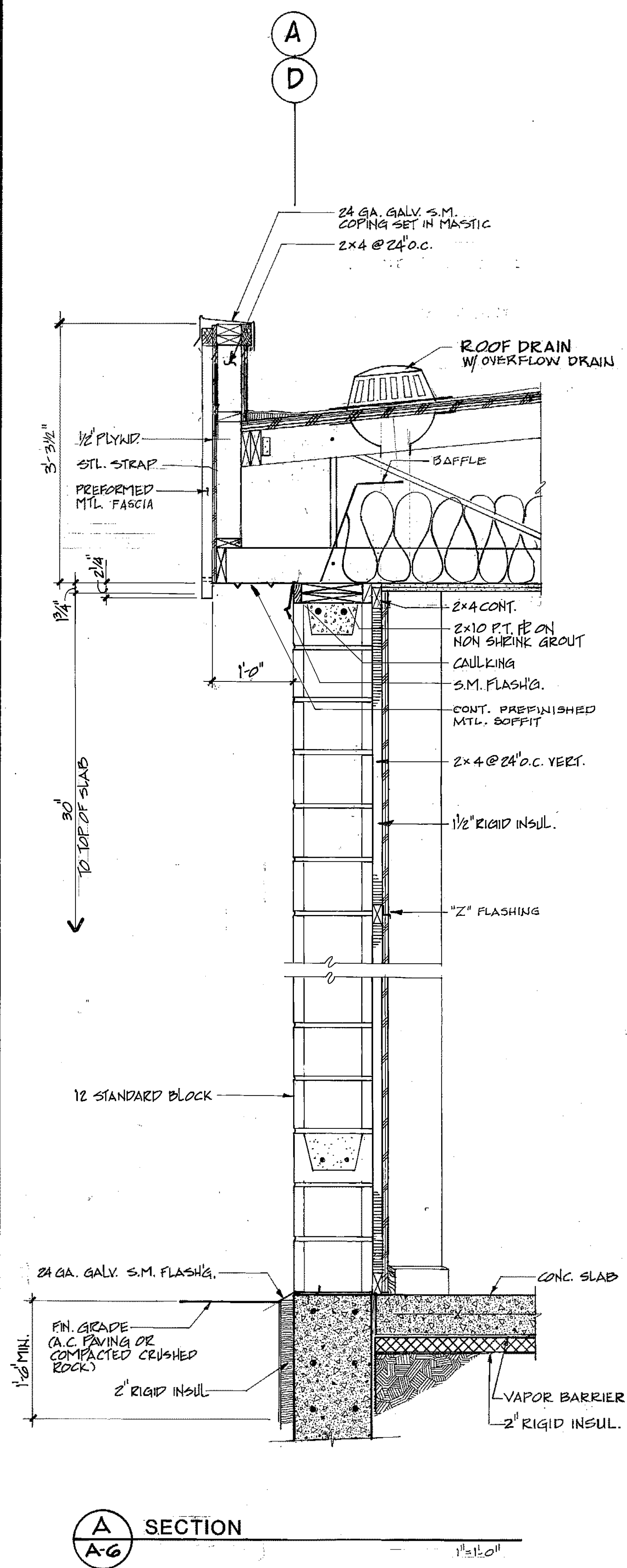
PROJECT NO. 86-010-02 MOA
 DESIGNED BY RBM
 DRAWN BY WAP, AKF
 CHECKED BY
 DATE FEB 24, 1987
 SCALE AS NOTED

NO.	REVISION	DATE BY

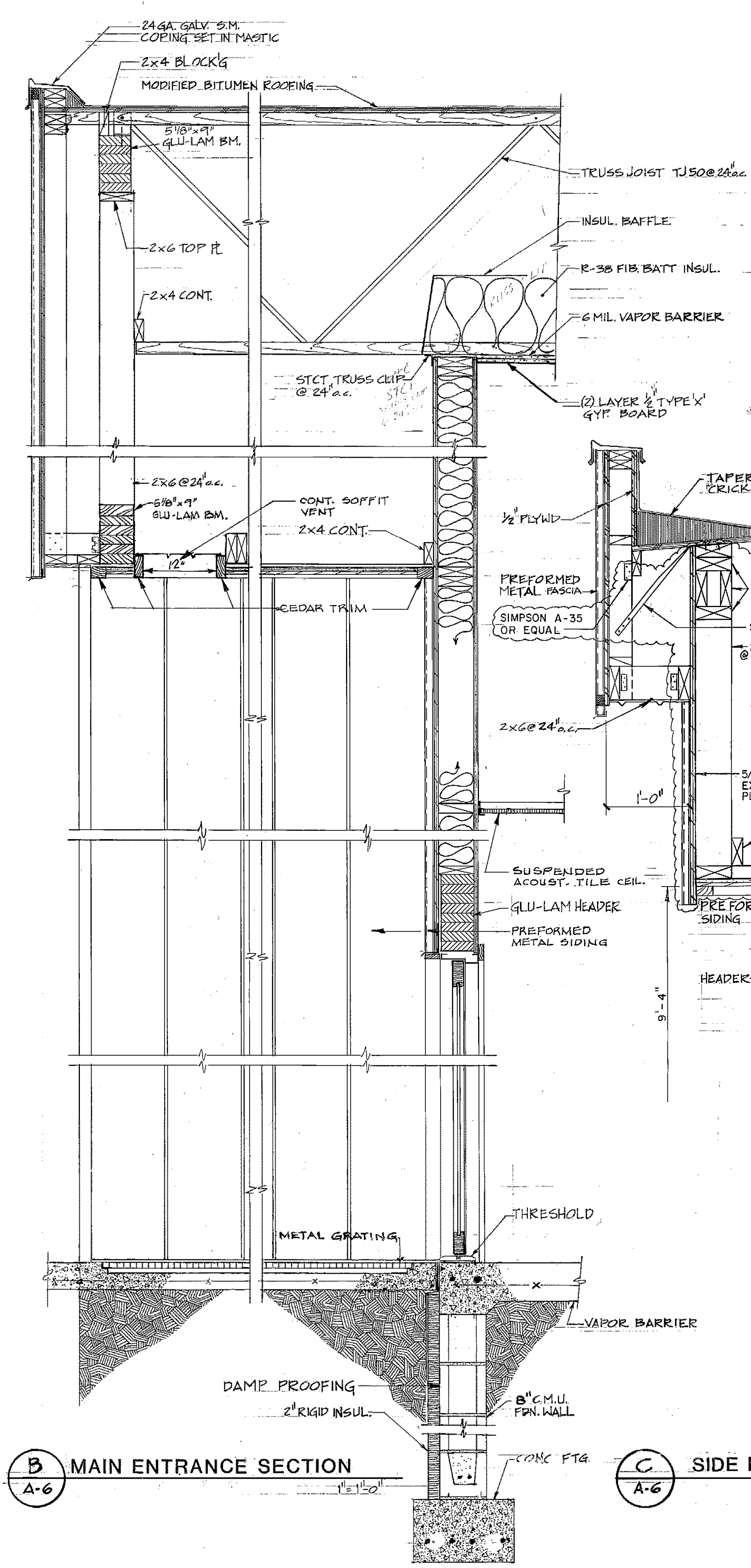


SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
 ROOF PLAN, SECTIONS & DETAILS

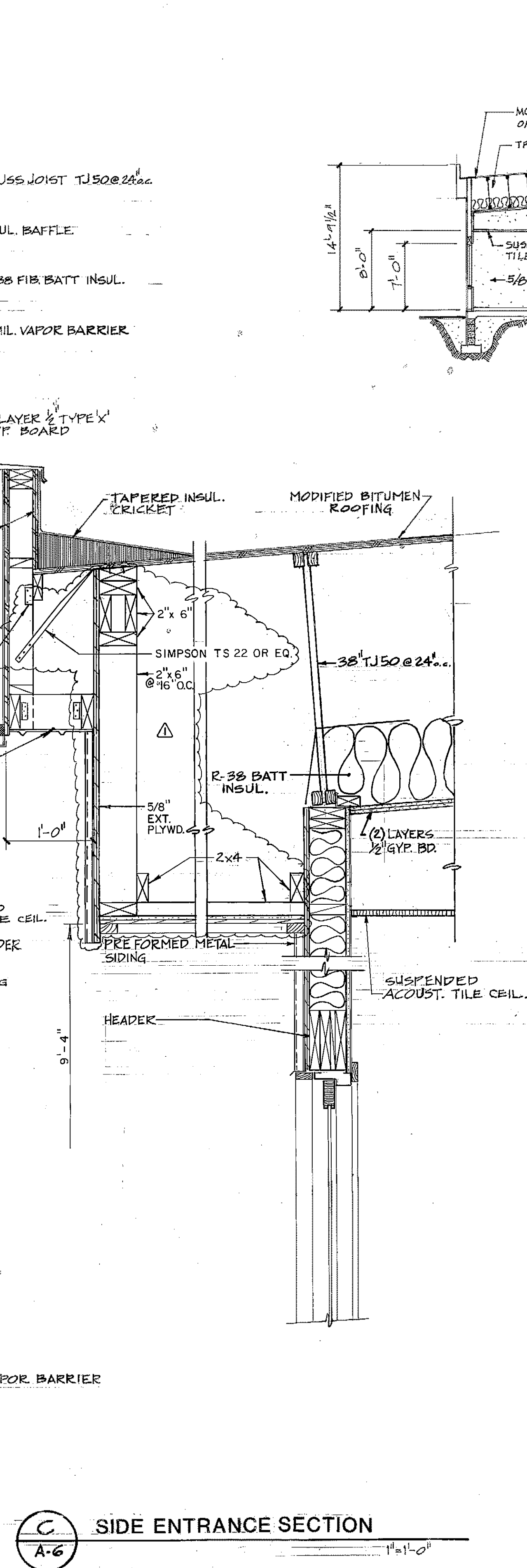
SEE ARCHITECTURAL
SECTION 4 DET.
A-6



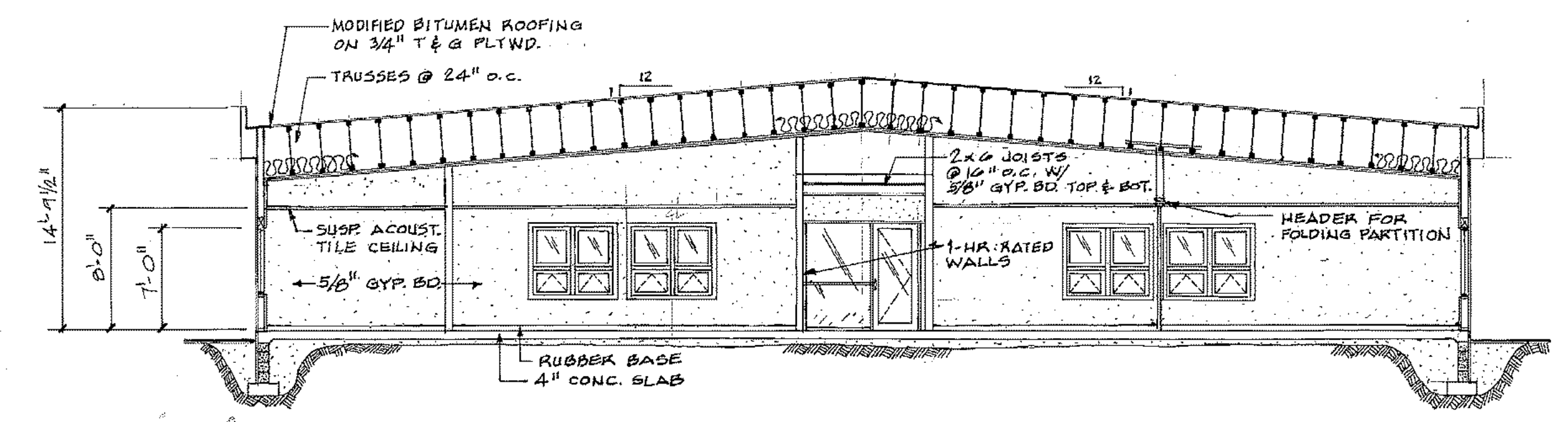
A SECTION
A-6



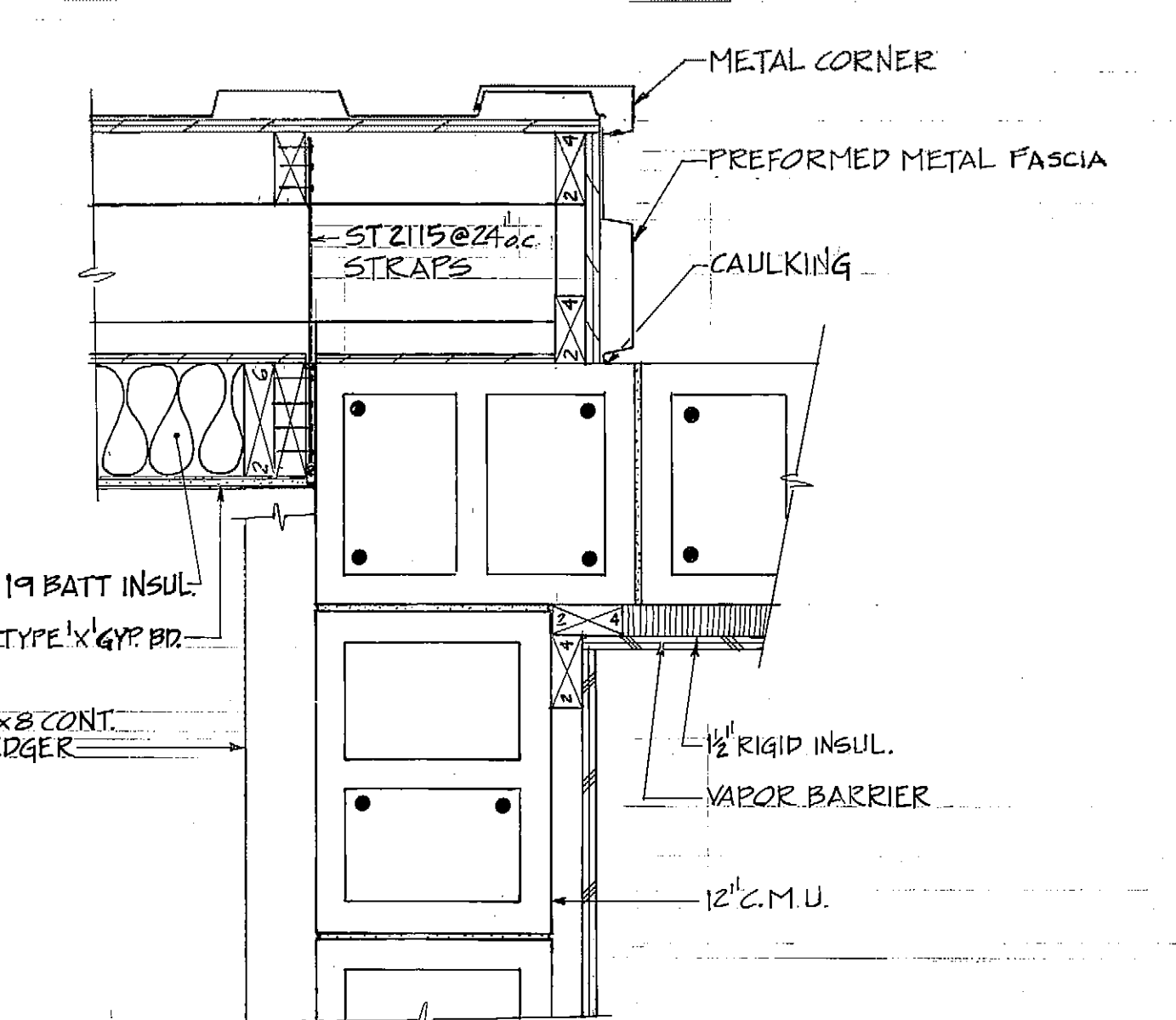
B MAIN ENTRANCE SECTION
A-6



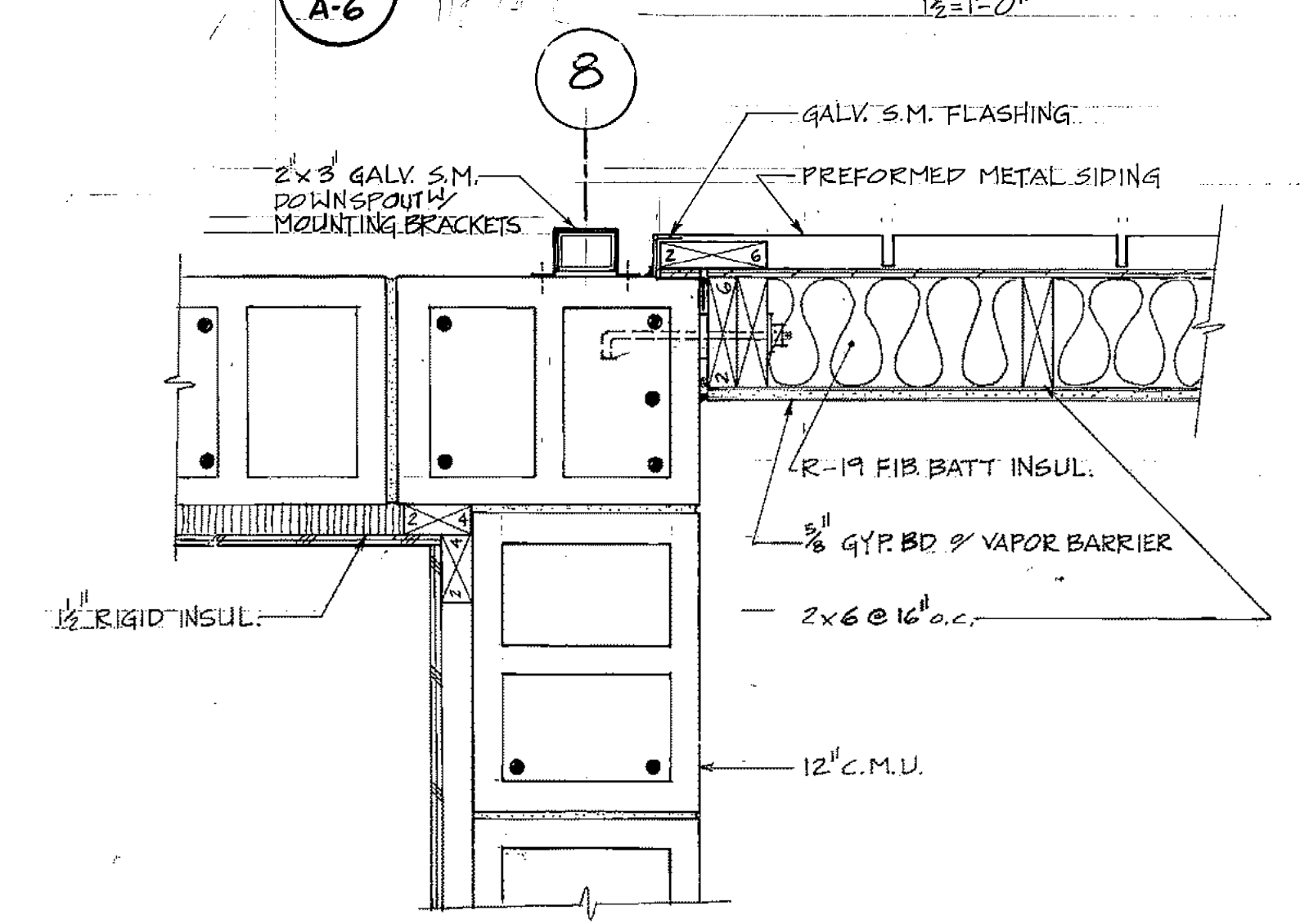
C SIDE ENTRANCE SECTION
A-6



SECTION: D



2 DETAIL
A-6



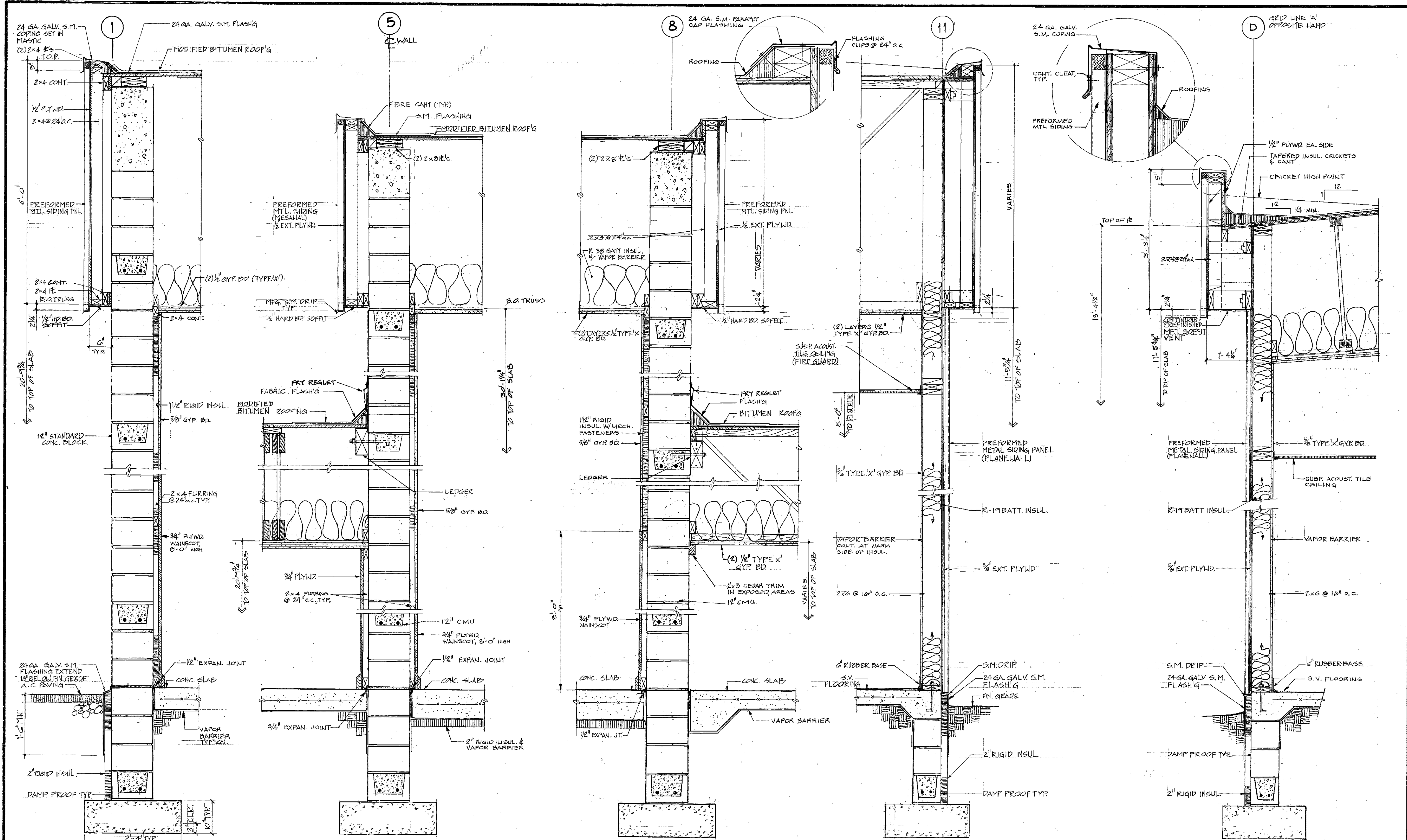
1 DETAIL
A-6

NOTE: ALL WOOD IN CONTACT W/ CONCRETE OR MASONRY SHALL BE WEATHER TREATED AS PER U.B.C. STANDARD 25-12 TABLES 25-12-B THRU 25-12-F

PROJECT NO.	86-010-02 MOA
DESIGNED :	RBM
DRAWN :	AKF
CHECKED :	
DATE :	FEB. 24, 1987
SCALE :	AS NOTED

NO.	REVISION	DATE BY
	ADD STRUCTURAL DETAILS	4-23-87 GJR

SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
BUILDING SECTION, WALL SECTION, ENTRANCE SECTIONS, & DETAILS

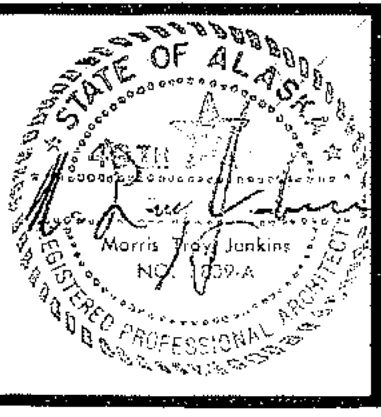


A SECTION **B** SECTION **C** SECTION **D** SECTION **E** SECTION
A-7 **A-7** **A-7** **A-7** **A-7**

ARCTIC ENGINEERS INC.
 ANCHORAGE, ALASKA

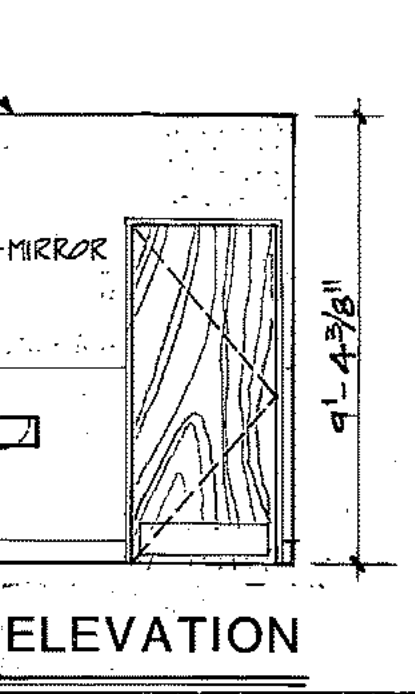
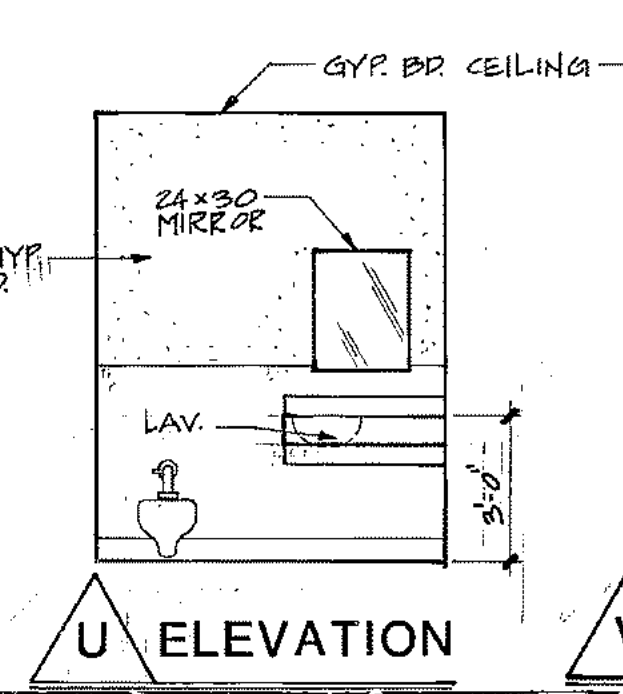
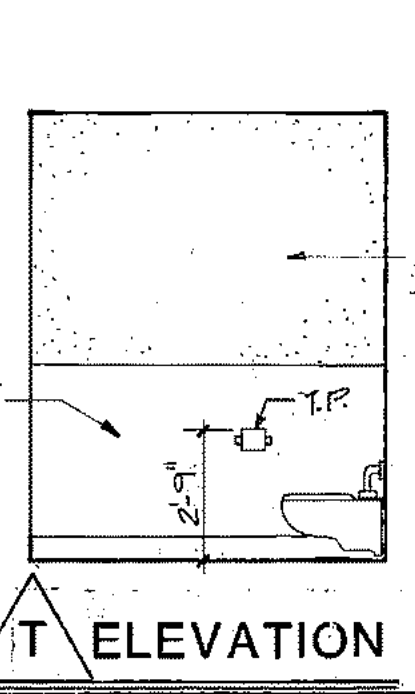
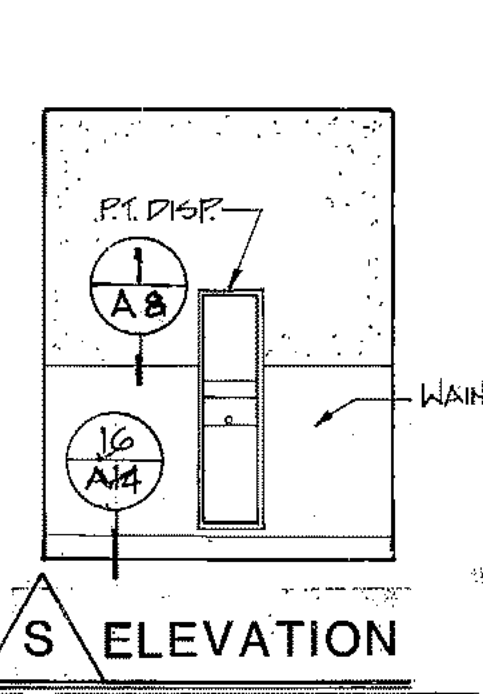
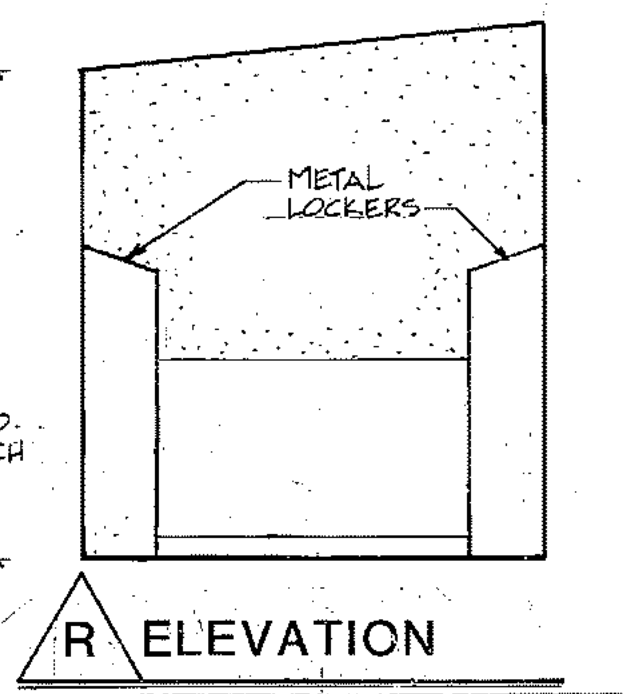
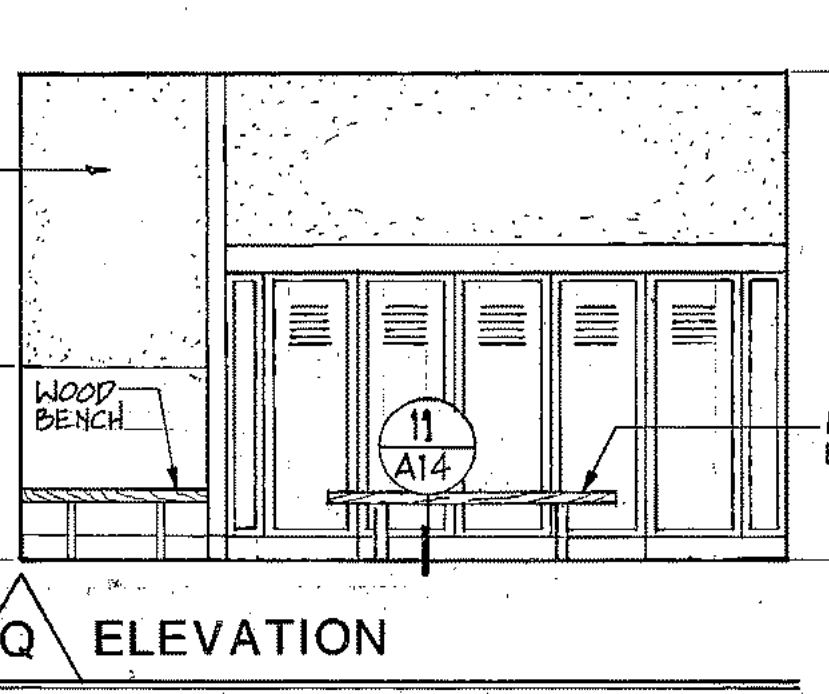
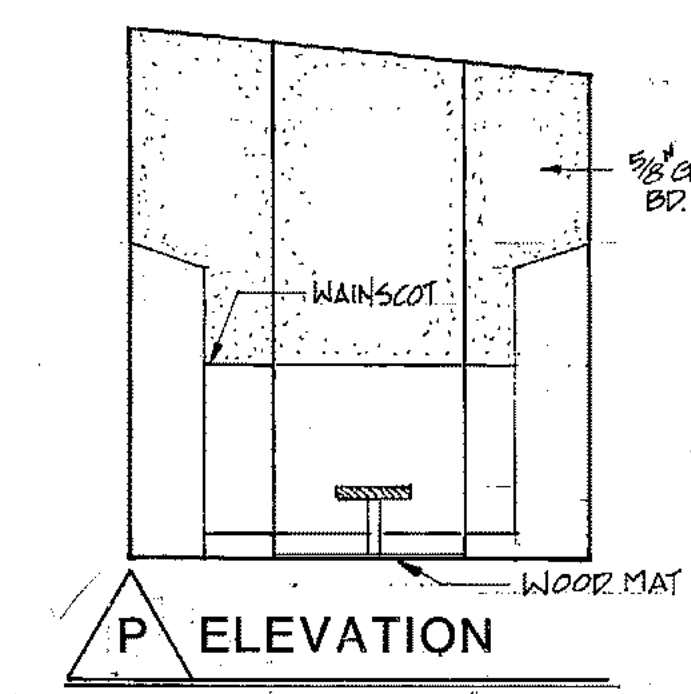
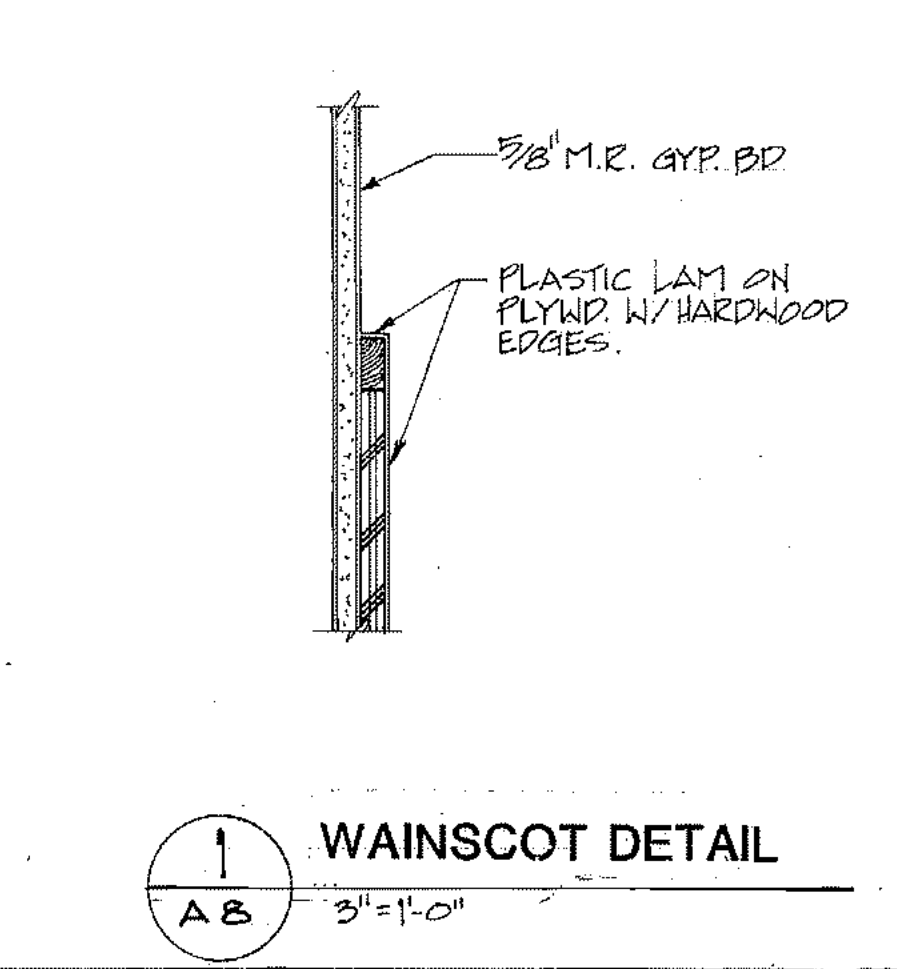
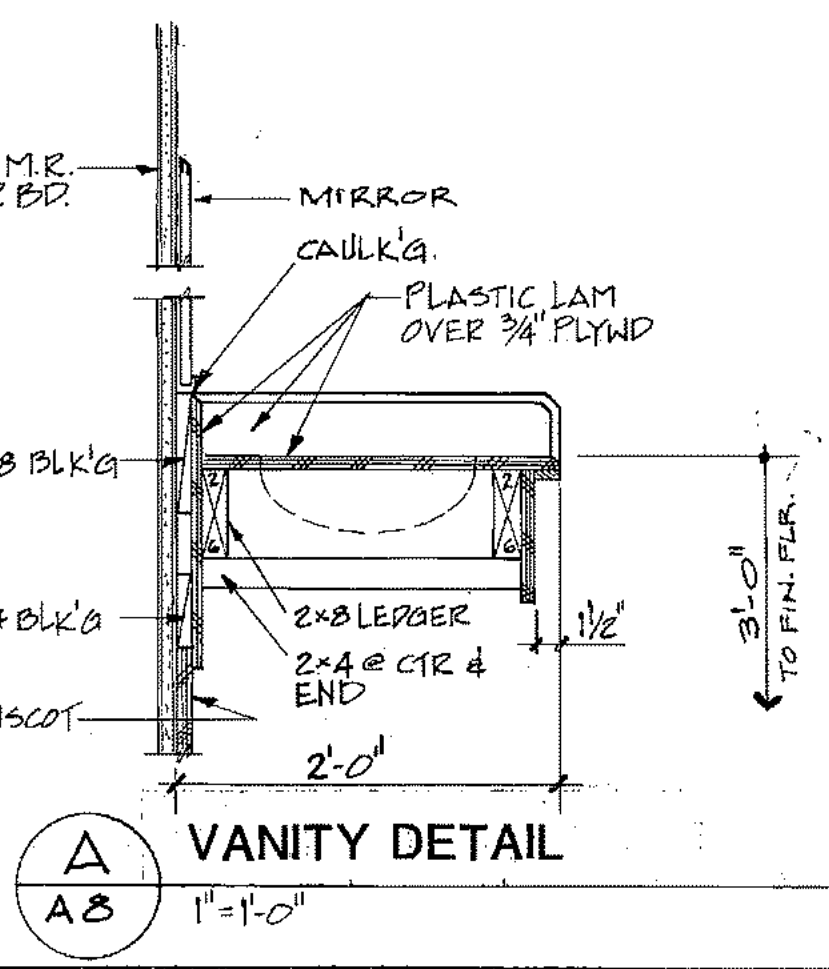
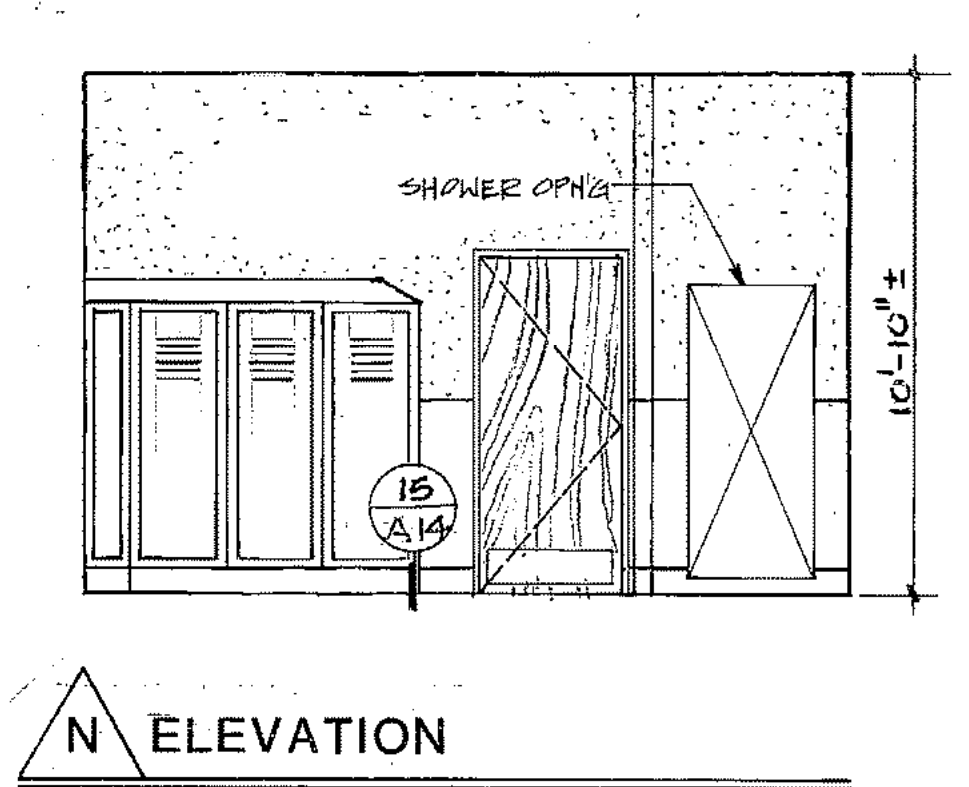
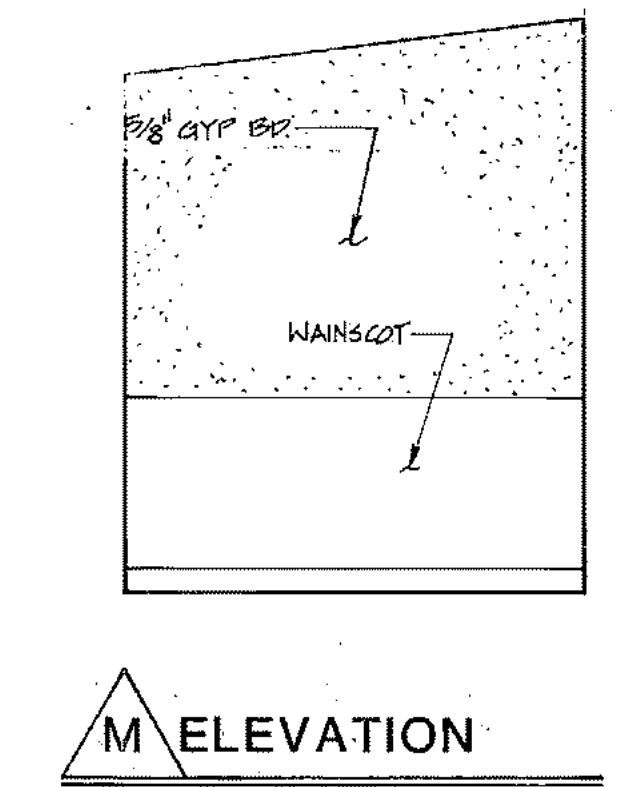
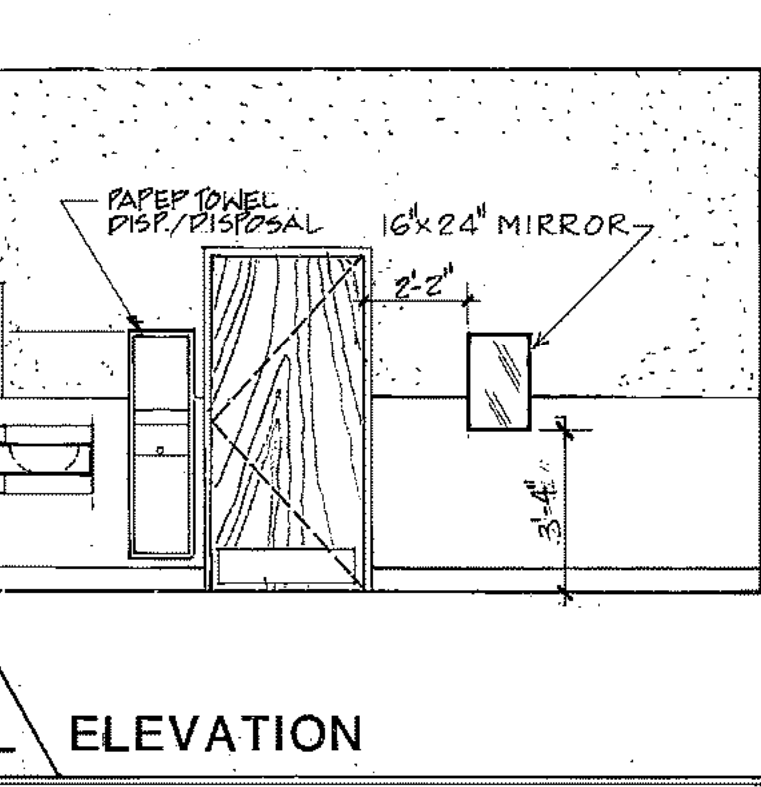
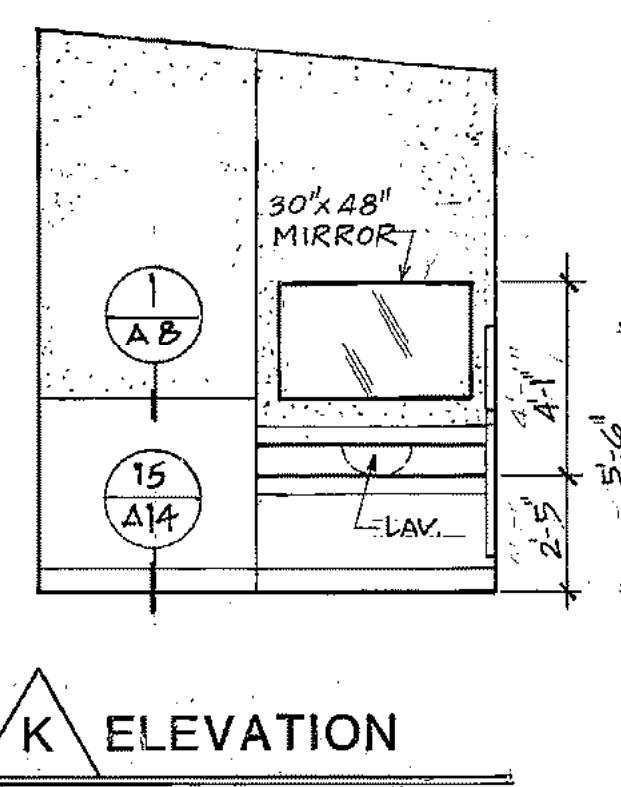
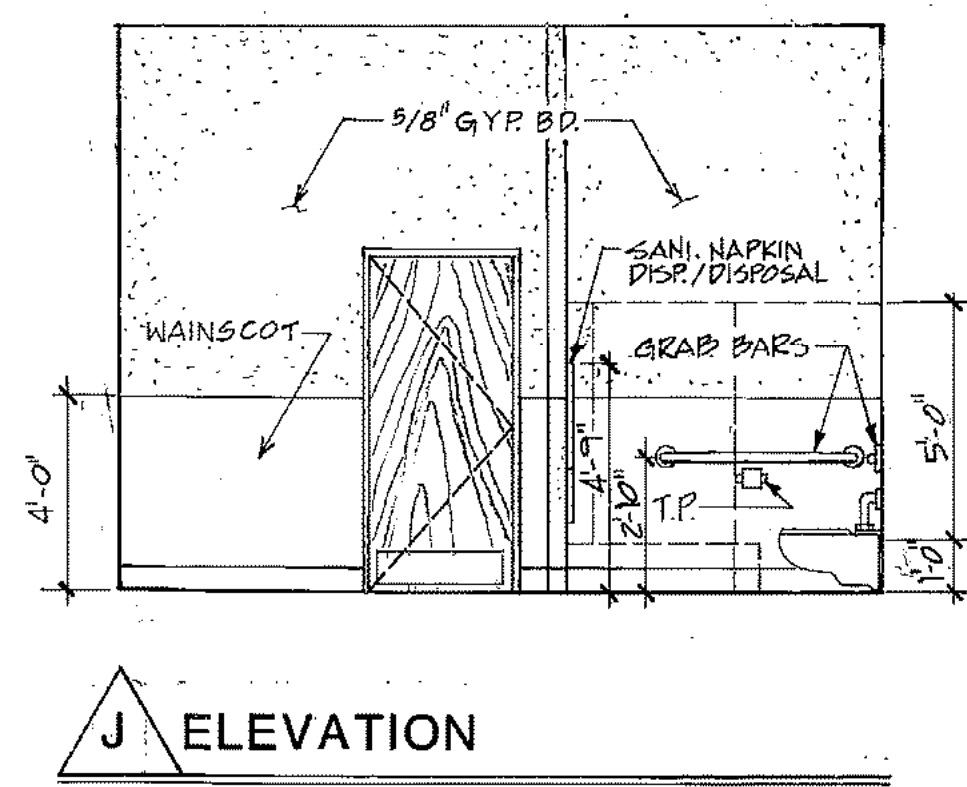
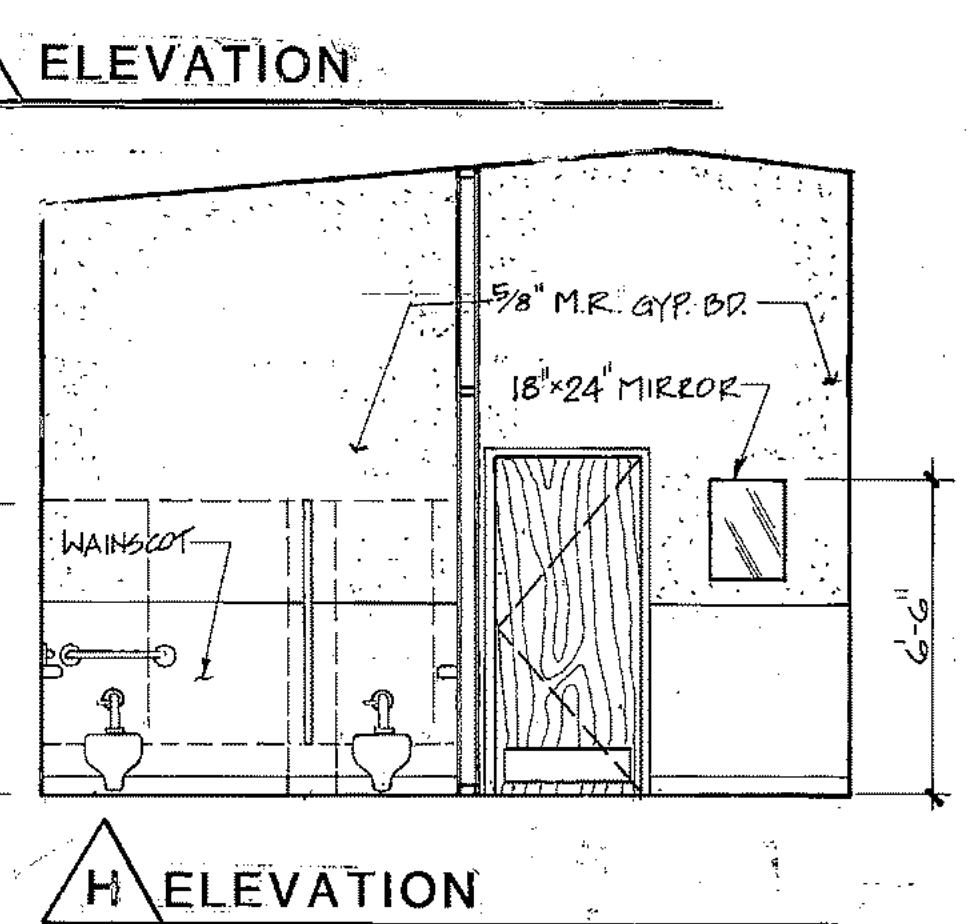
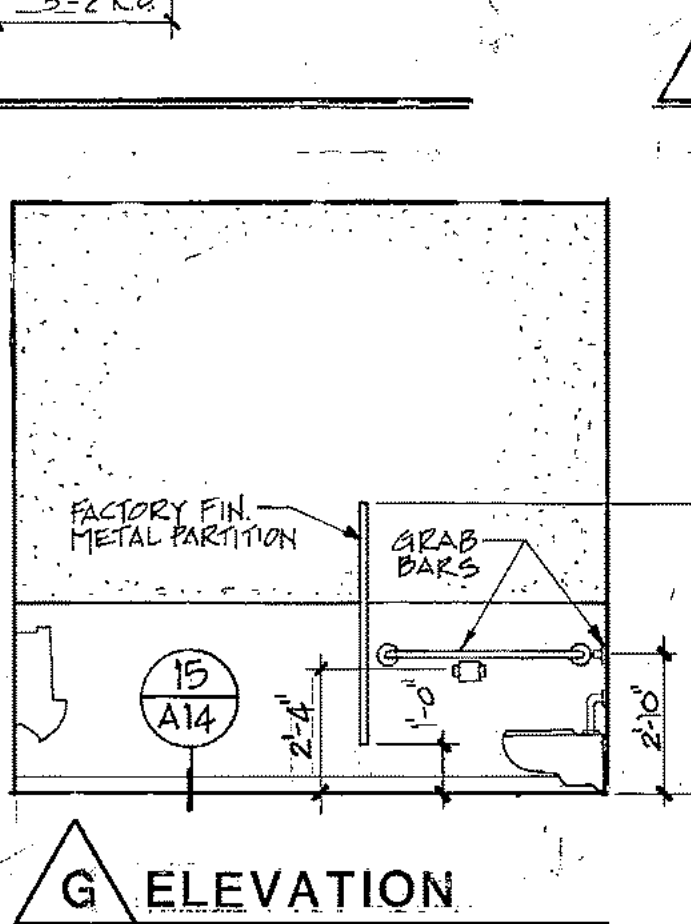
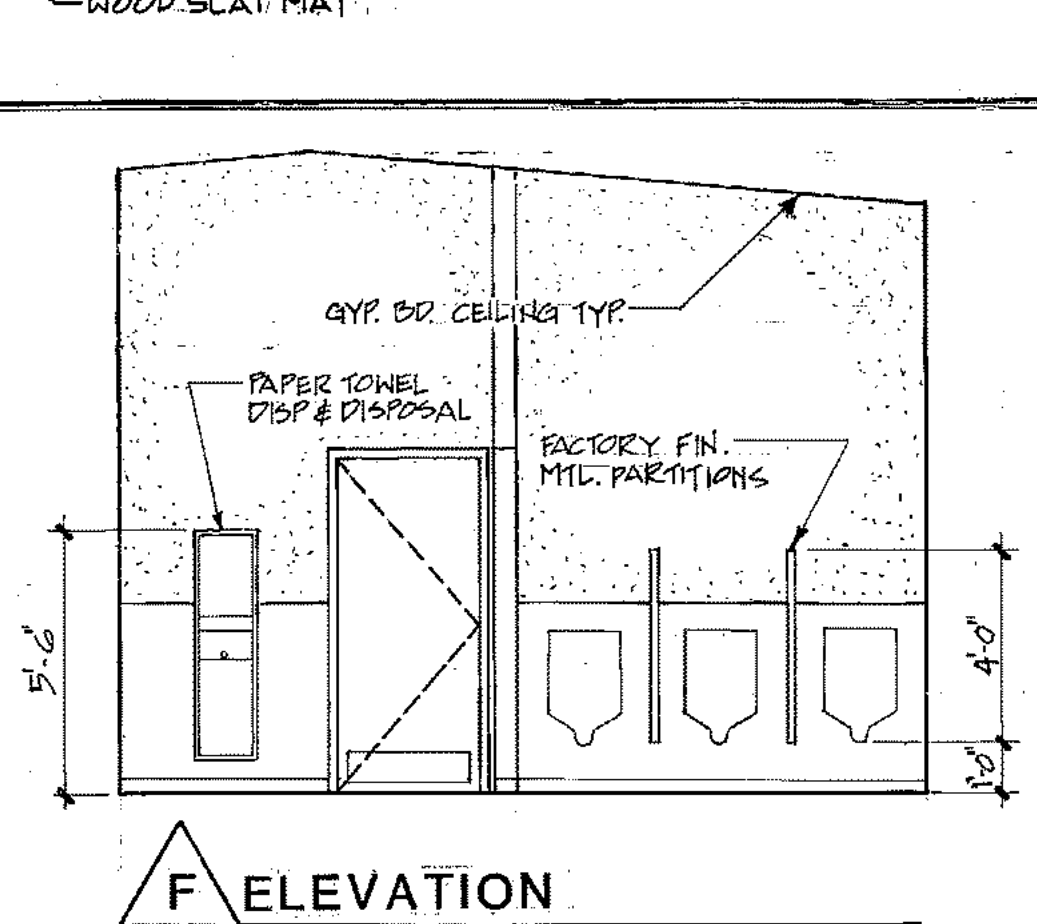
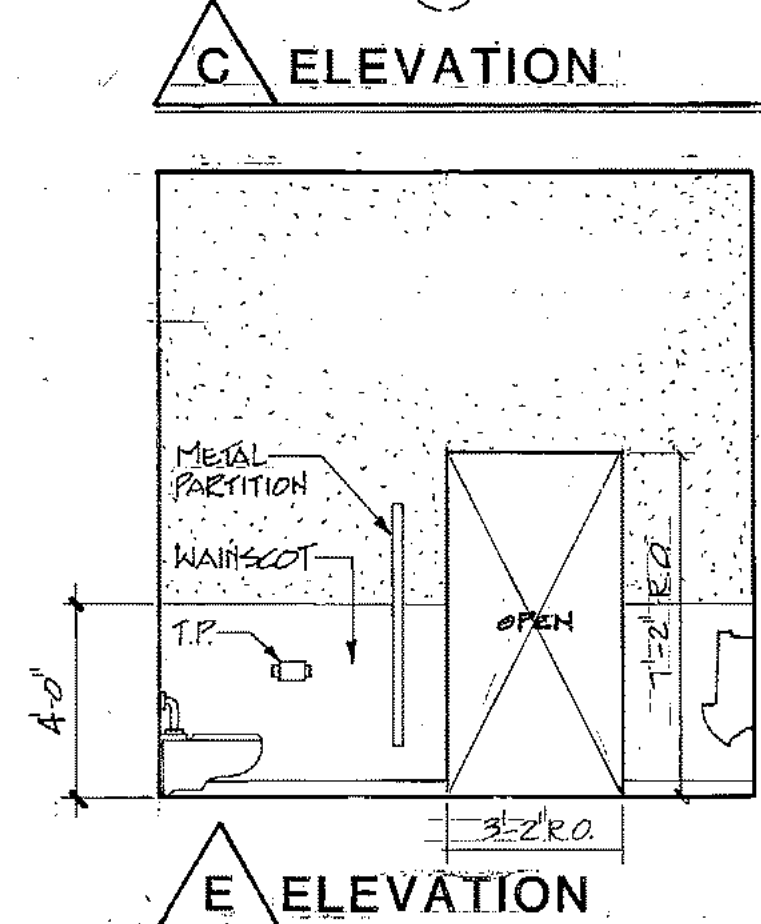
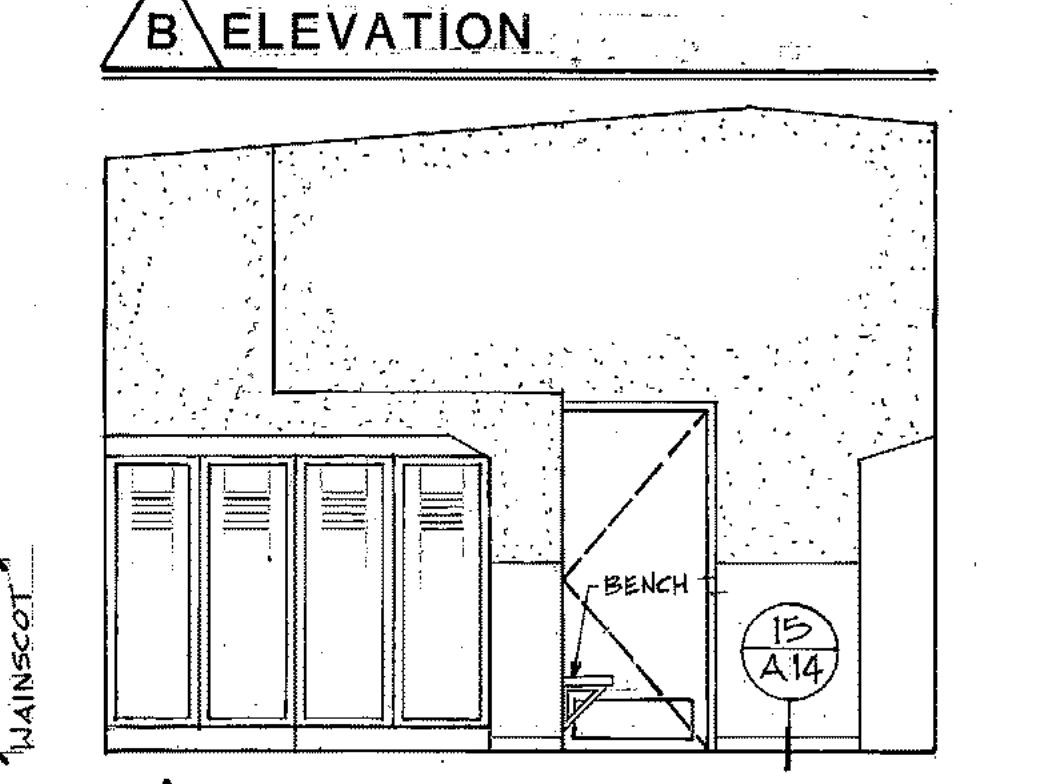
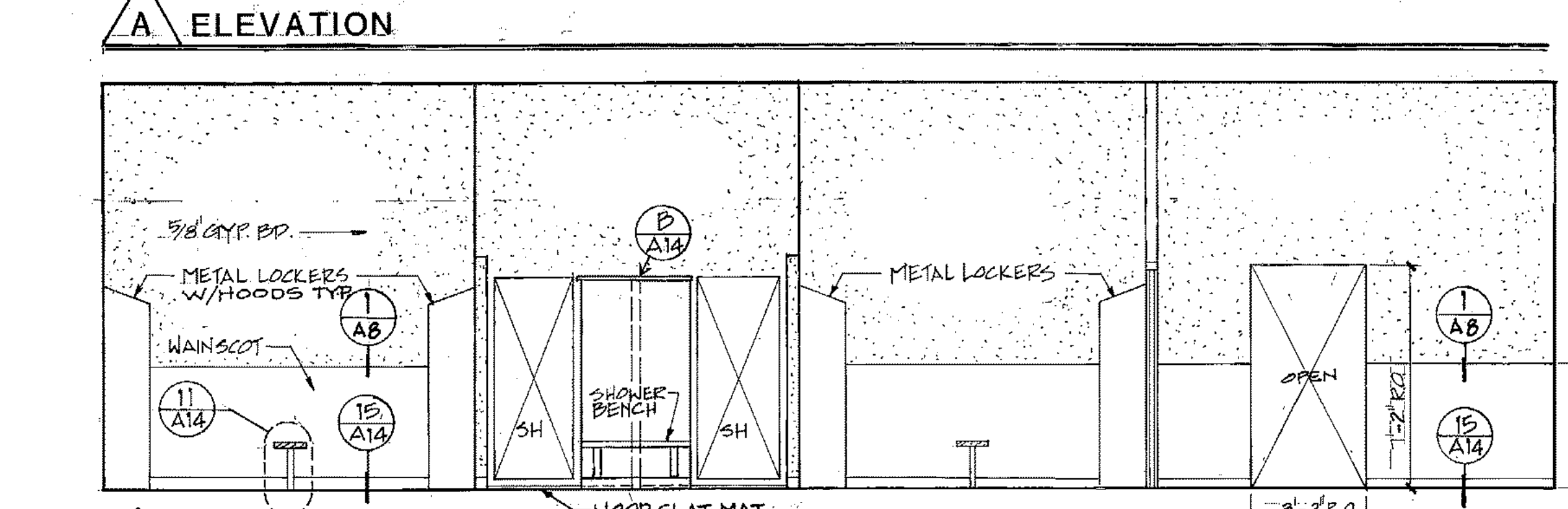
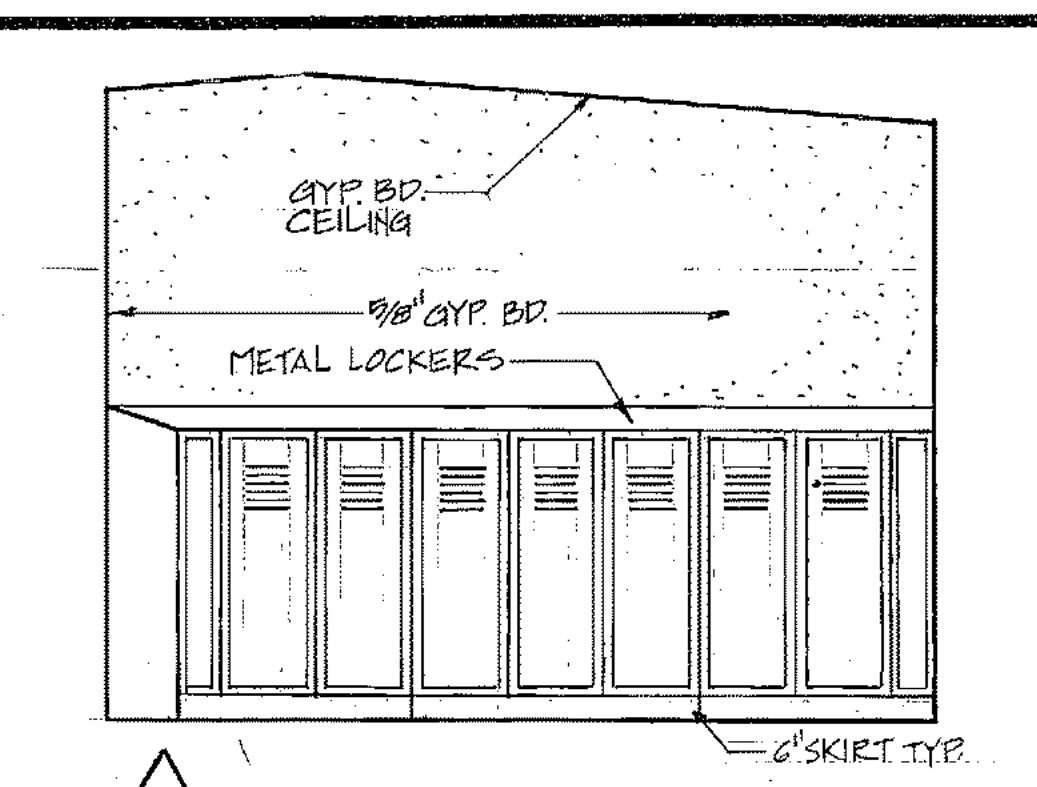
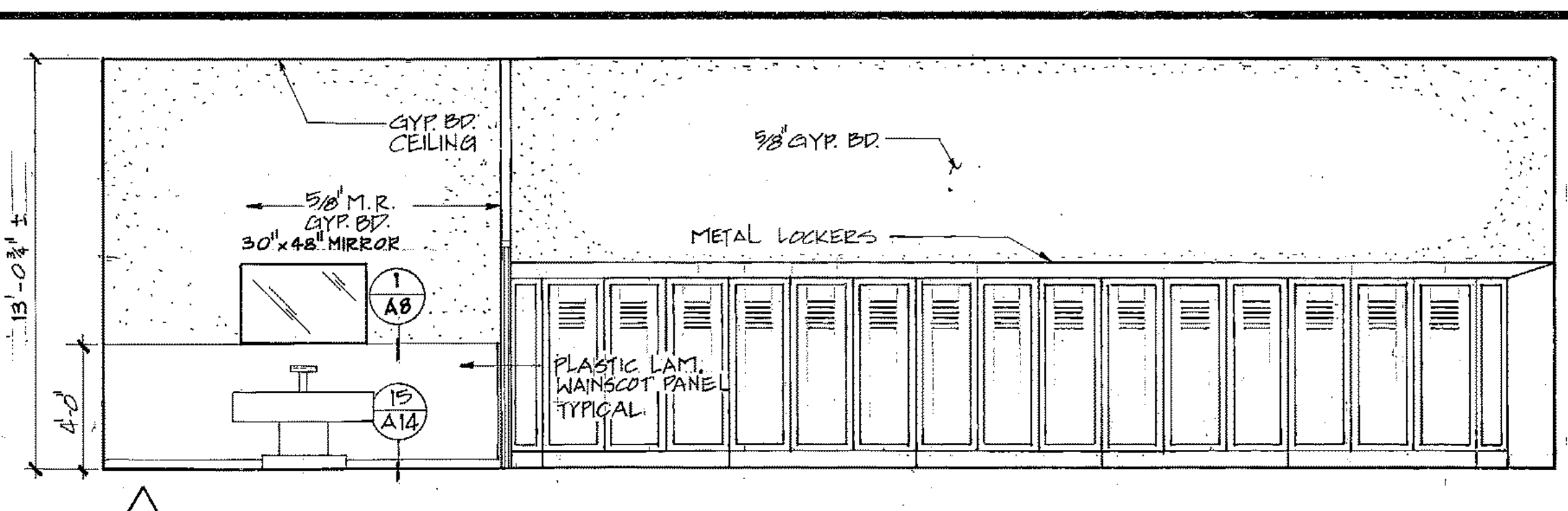
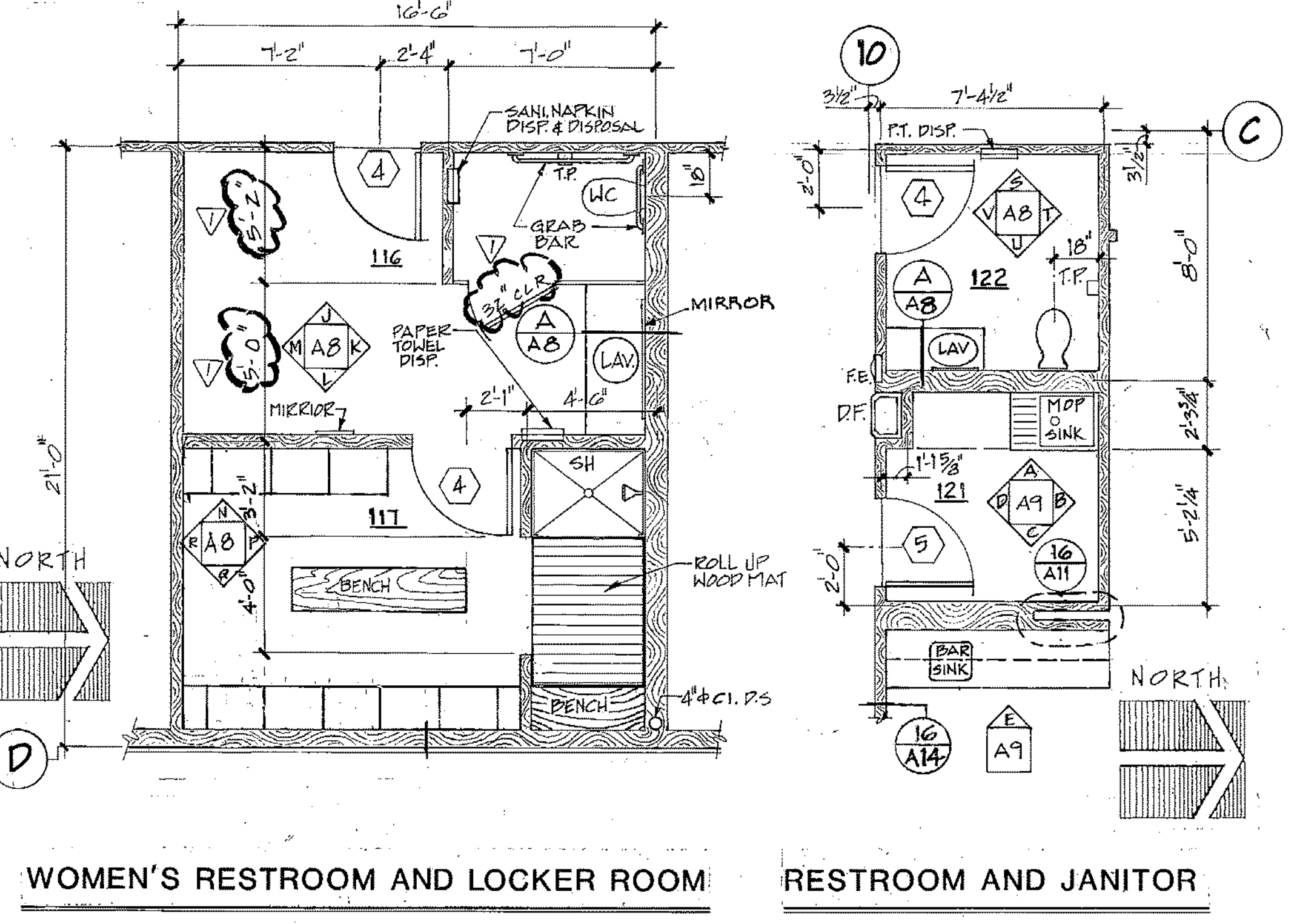
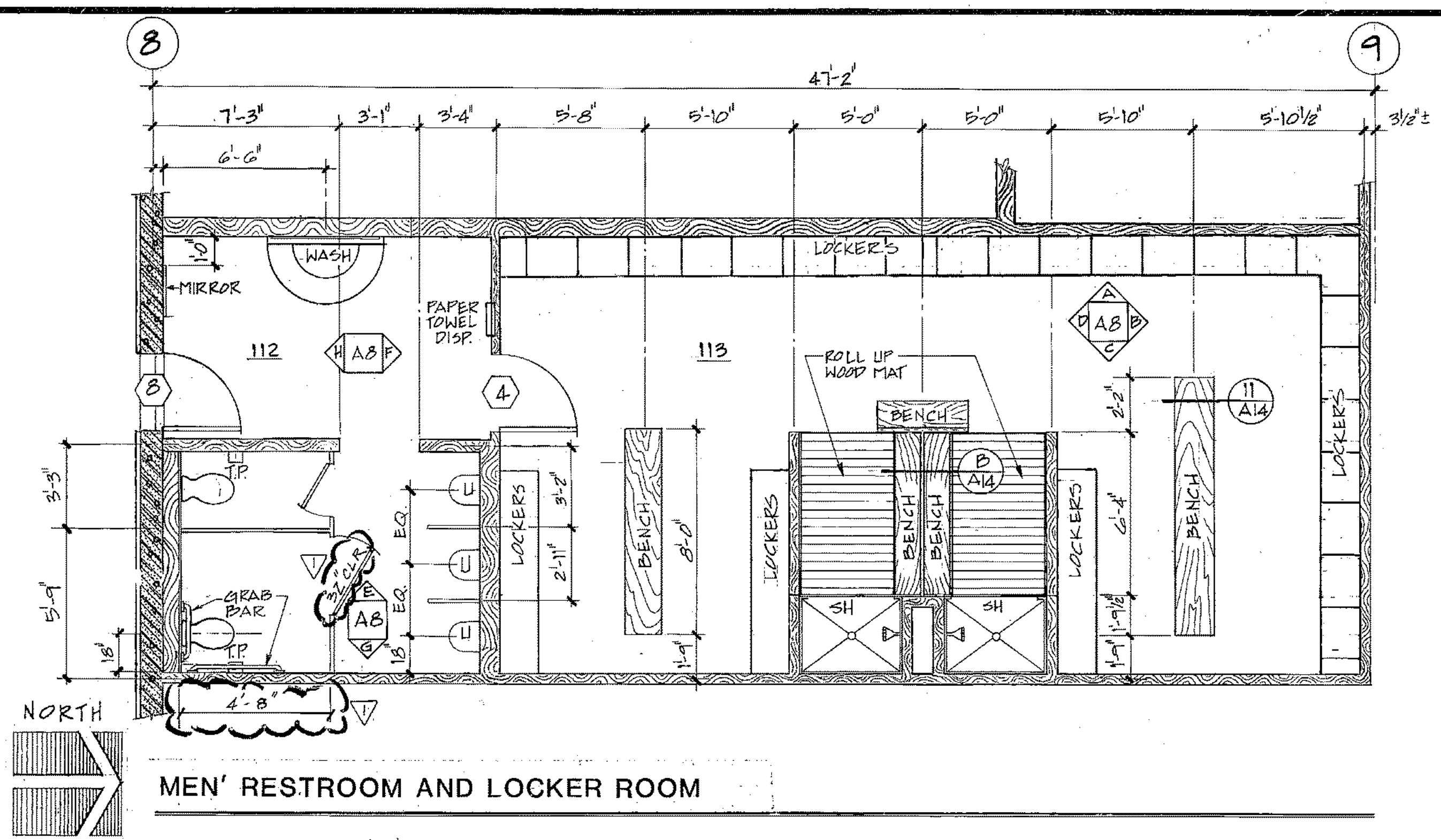
PROJECT NO. 86-010-02 MOA
 DESIGNED : RBM
 DRAWN : WAP, AKF
 CHECKED :
 DATE : FEBRUARY 24, 1987
 SCALE : 1"=1'-0"

NO.	REVISION	DATE BY



SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
 MAINTENANCE SHOP/ADMINISTRATION BUILDING
WALL SECTIONS

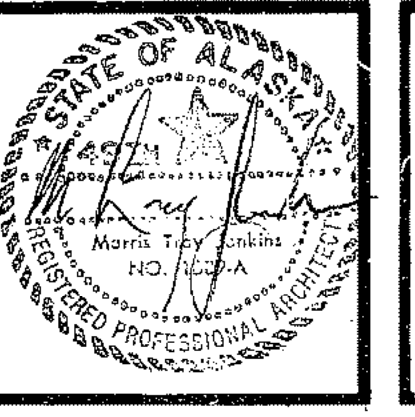
Landfill Entrance Facility
 1/4" P.L.S., Interior Elevations
 A-8



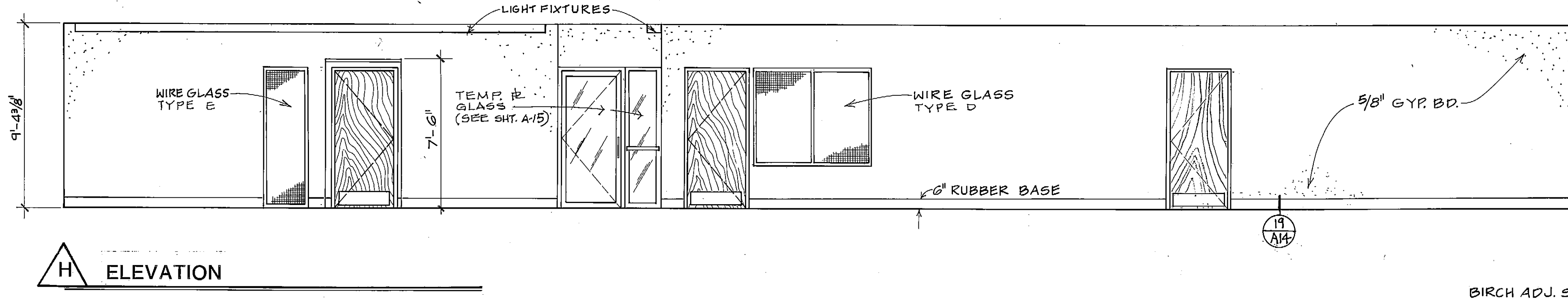
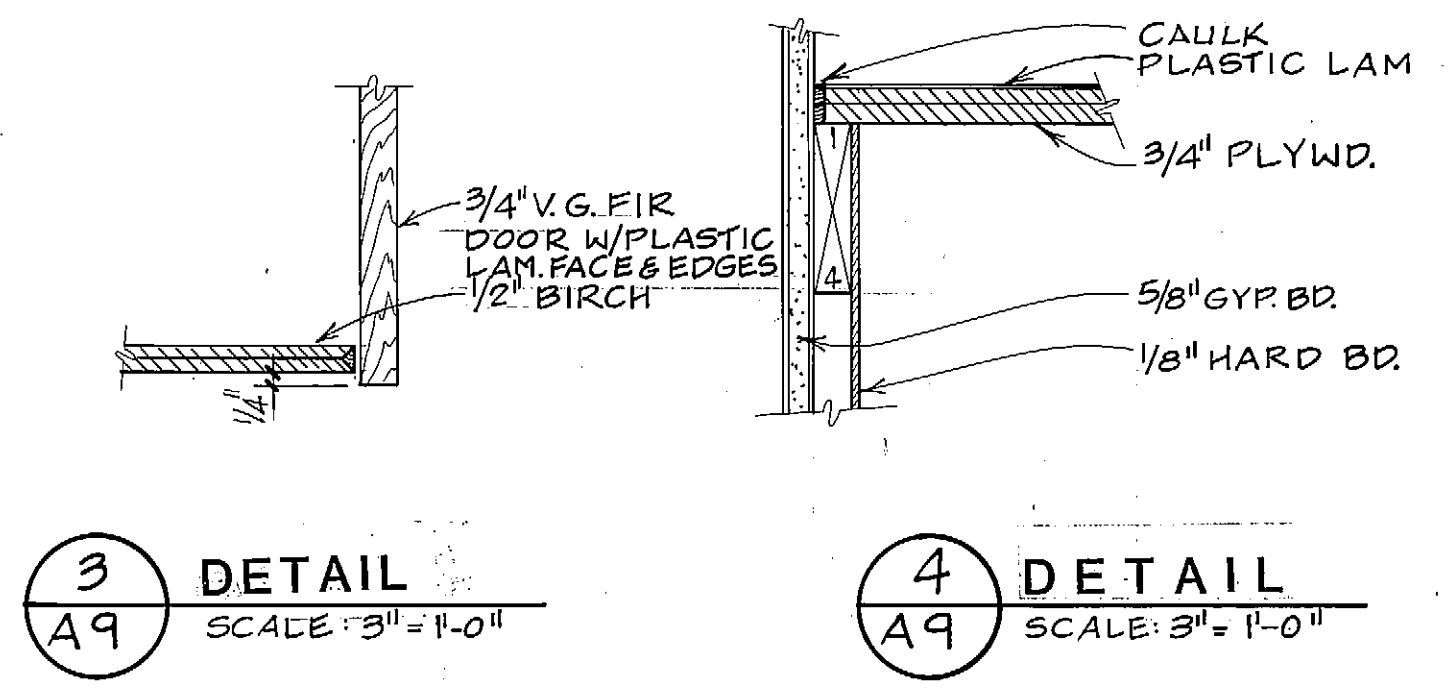
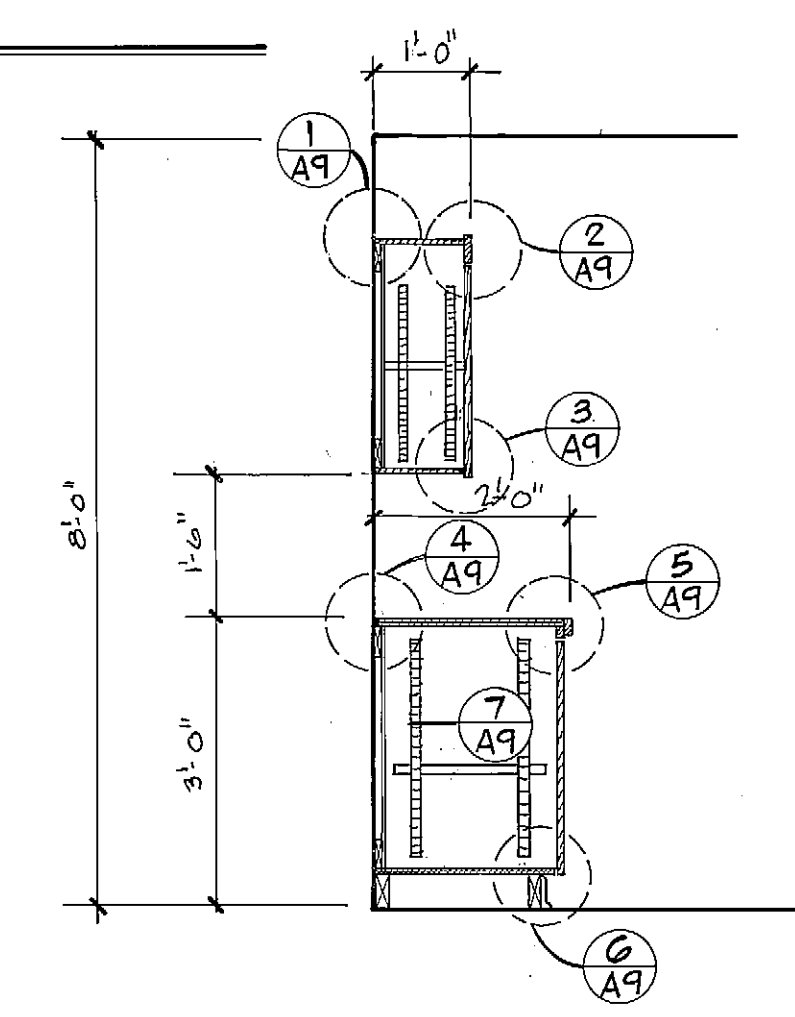
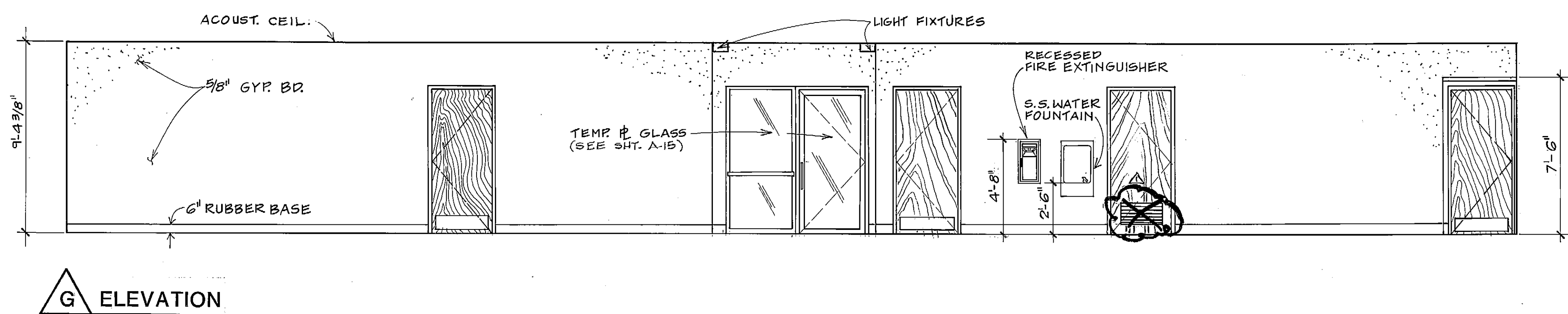
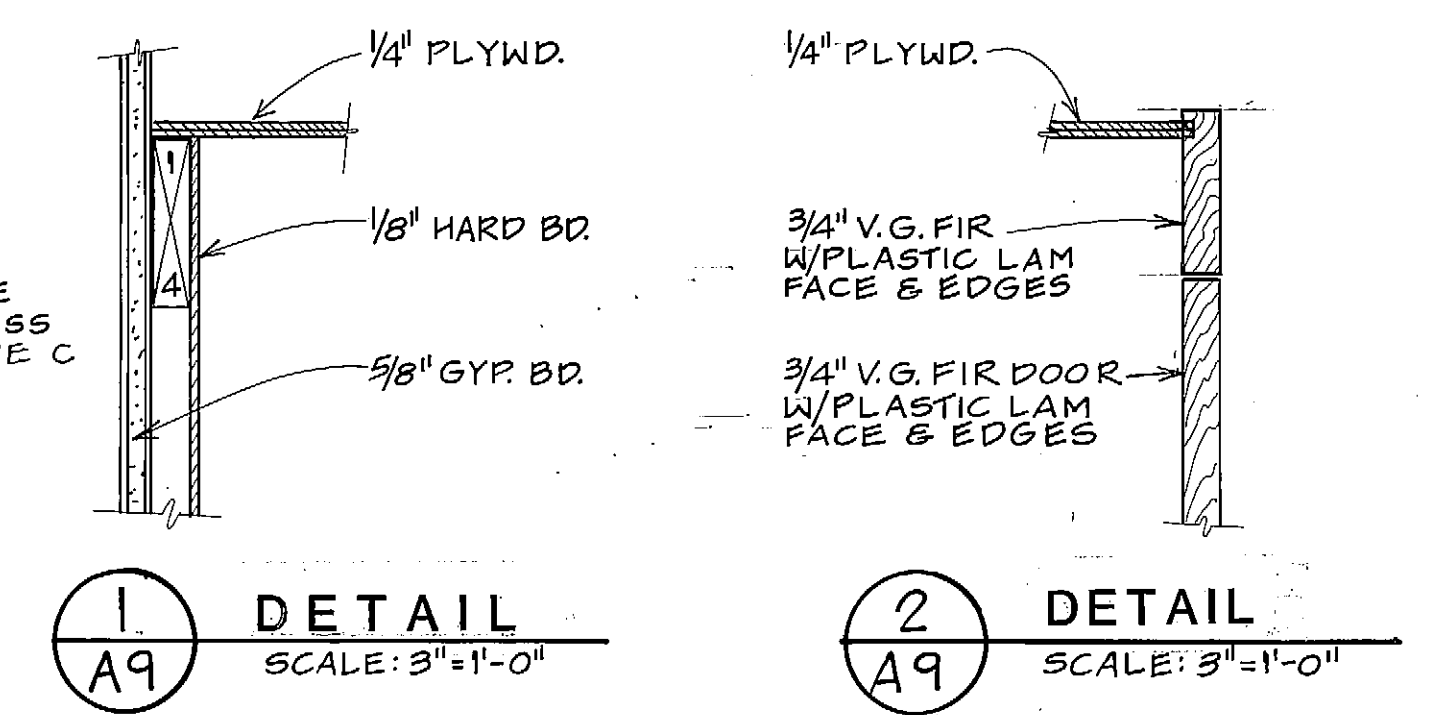
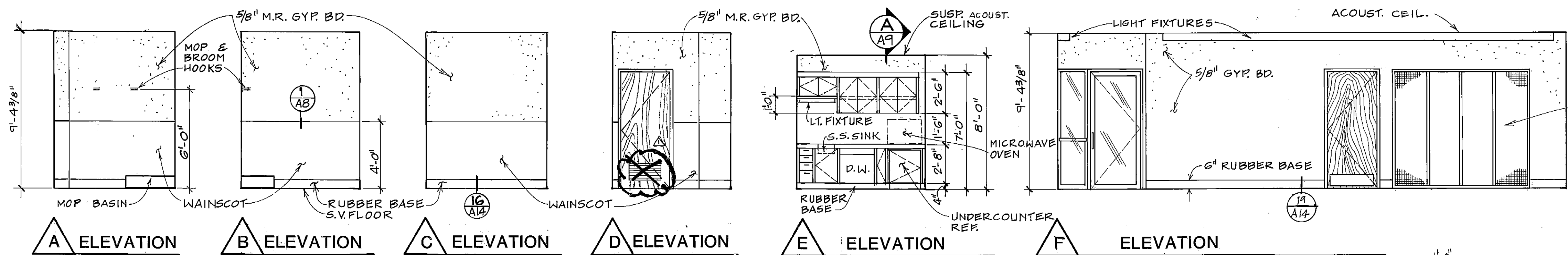
ARCTIC ENGINEERS INC.
 ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
 DESIGNED BY RBM
 DRAWN BY VMS WAP AKF
 CHECKED BY
 DATE FEB 24, 1987
 SCALE 1/4"=1'-0"

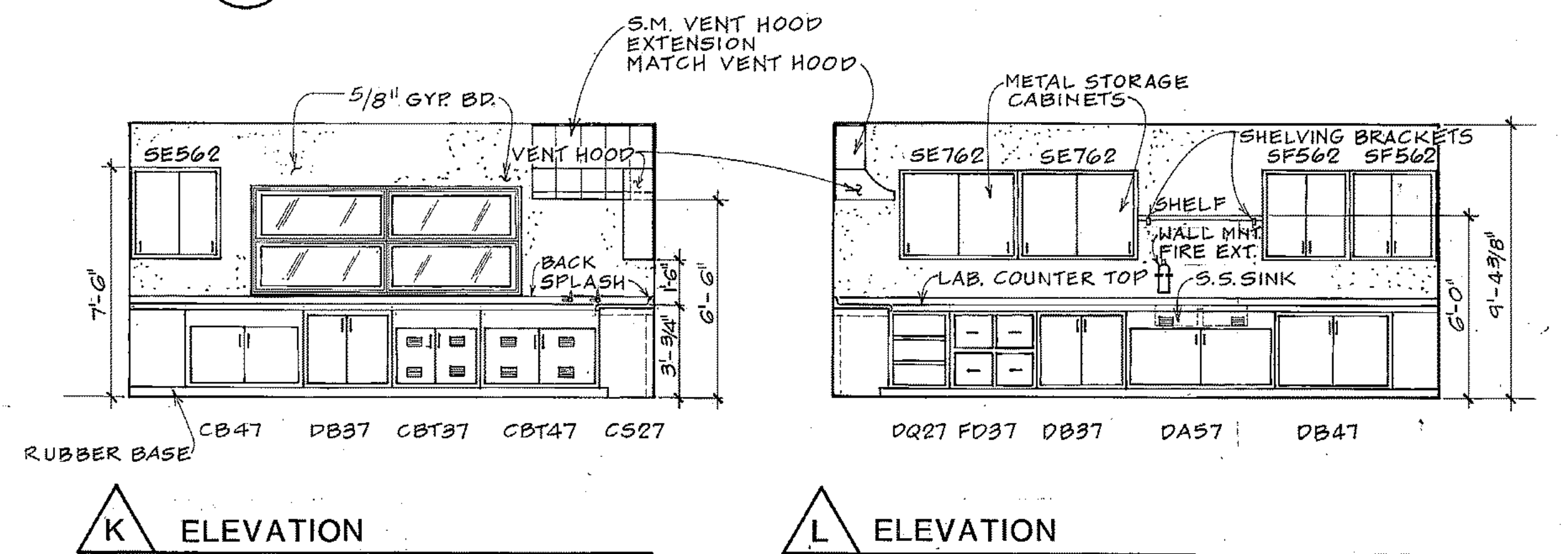
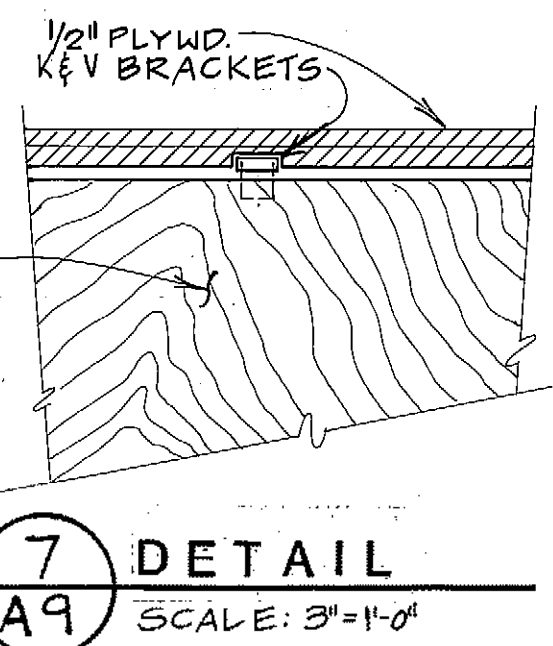
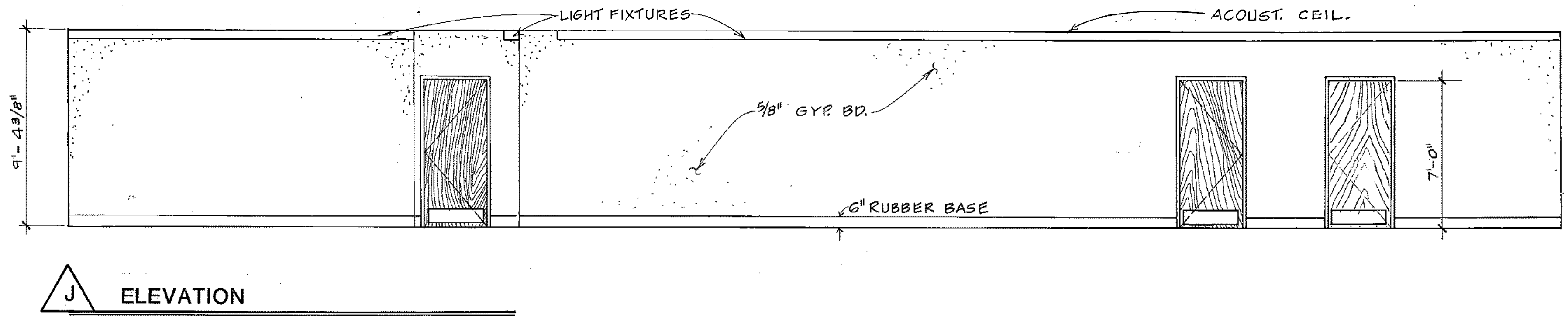
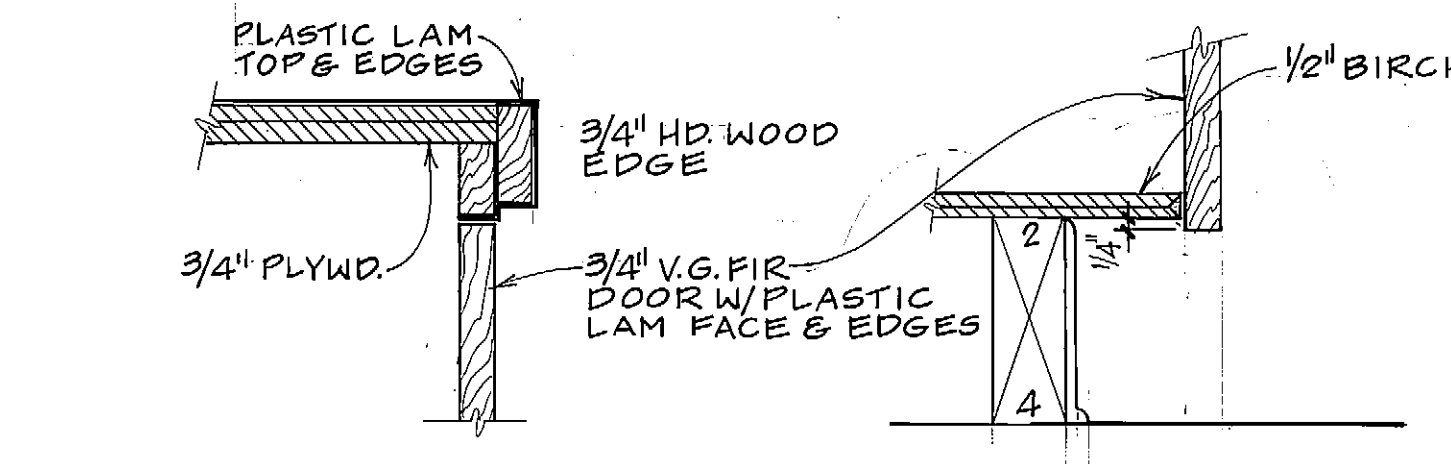
NO.	REVISION	DATE	BY
1	DESIGN MODS	5-1-87	WTH

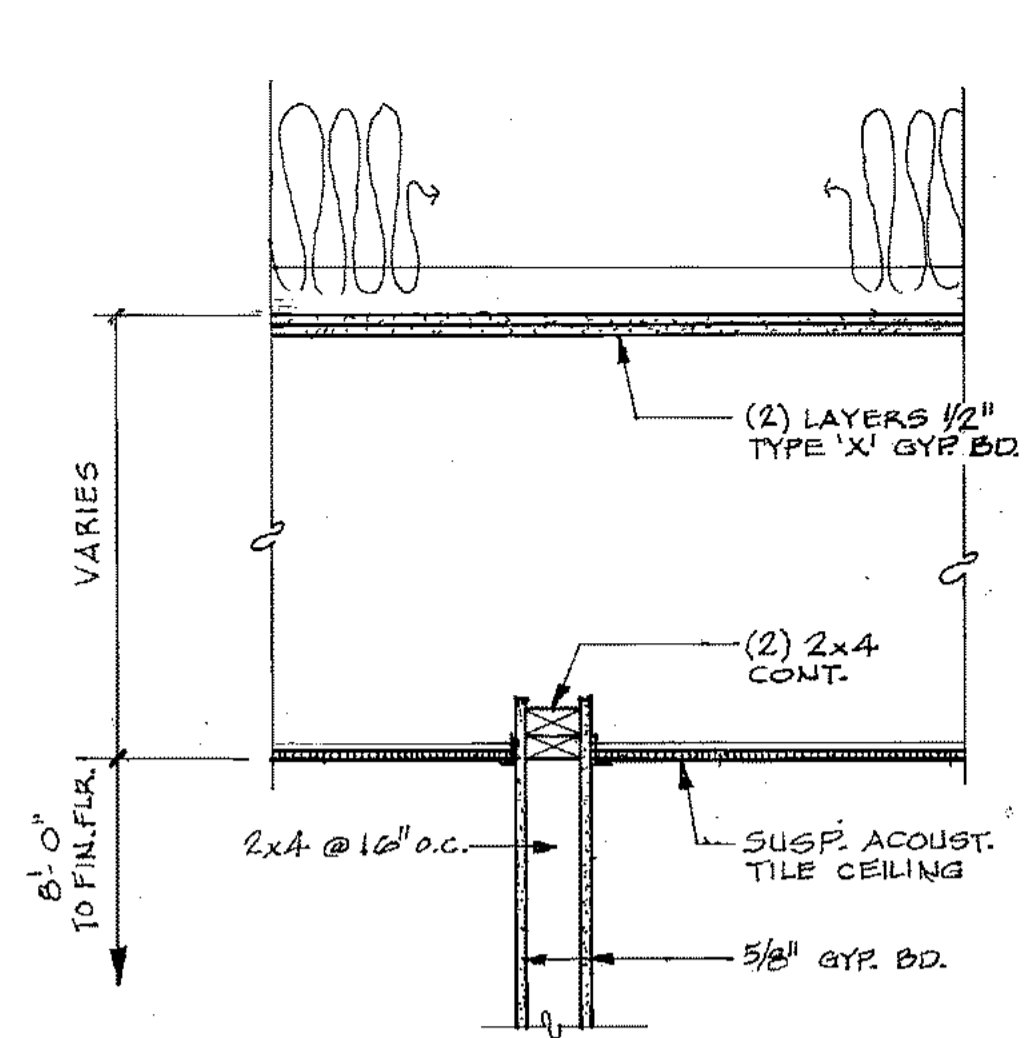
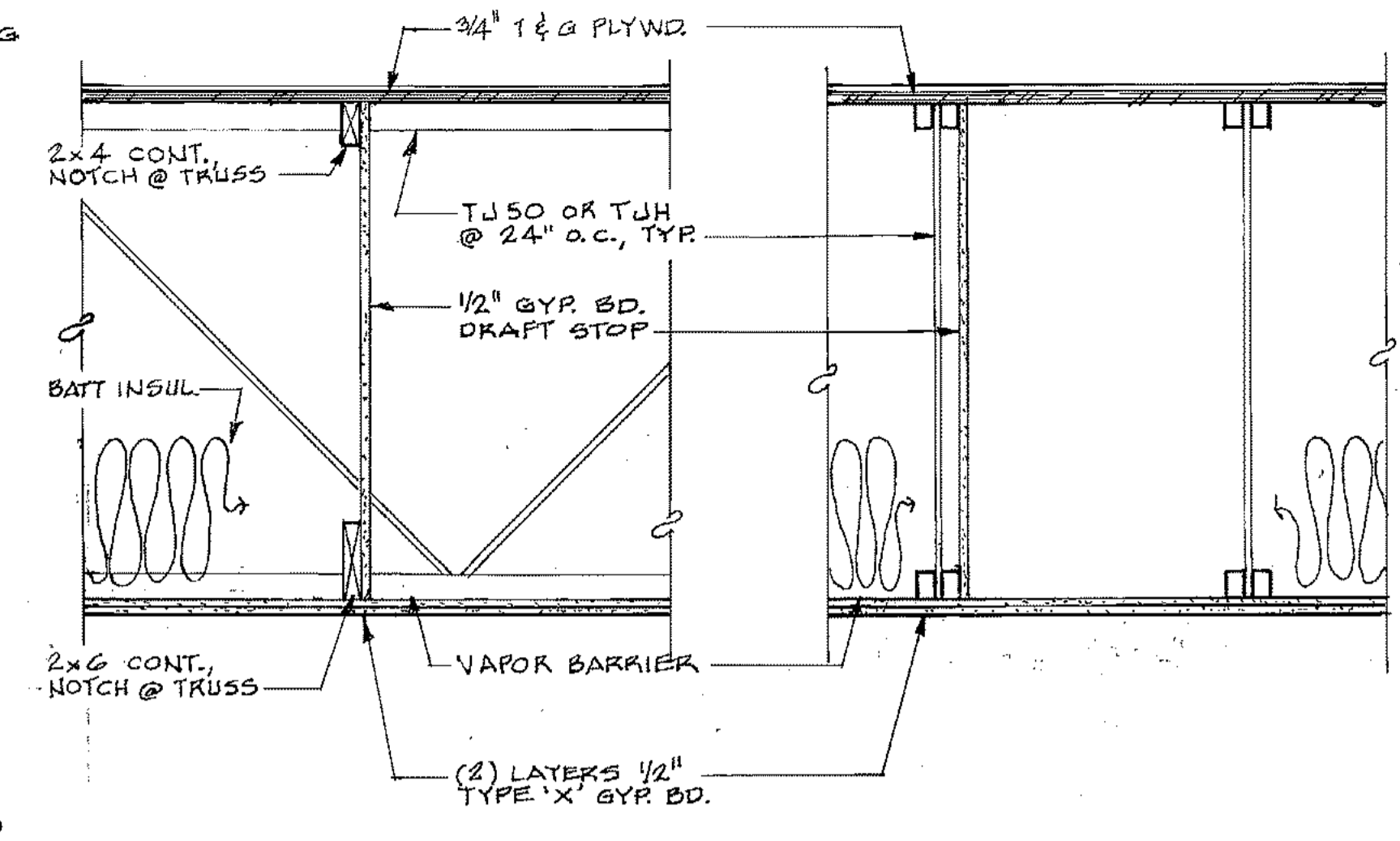
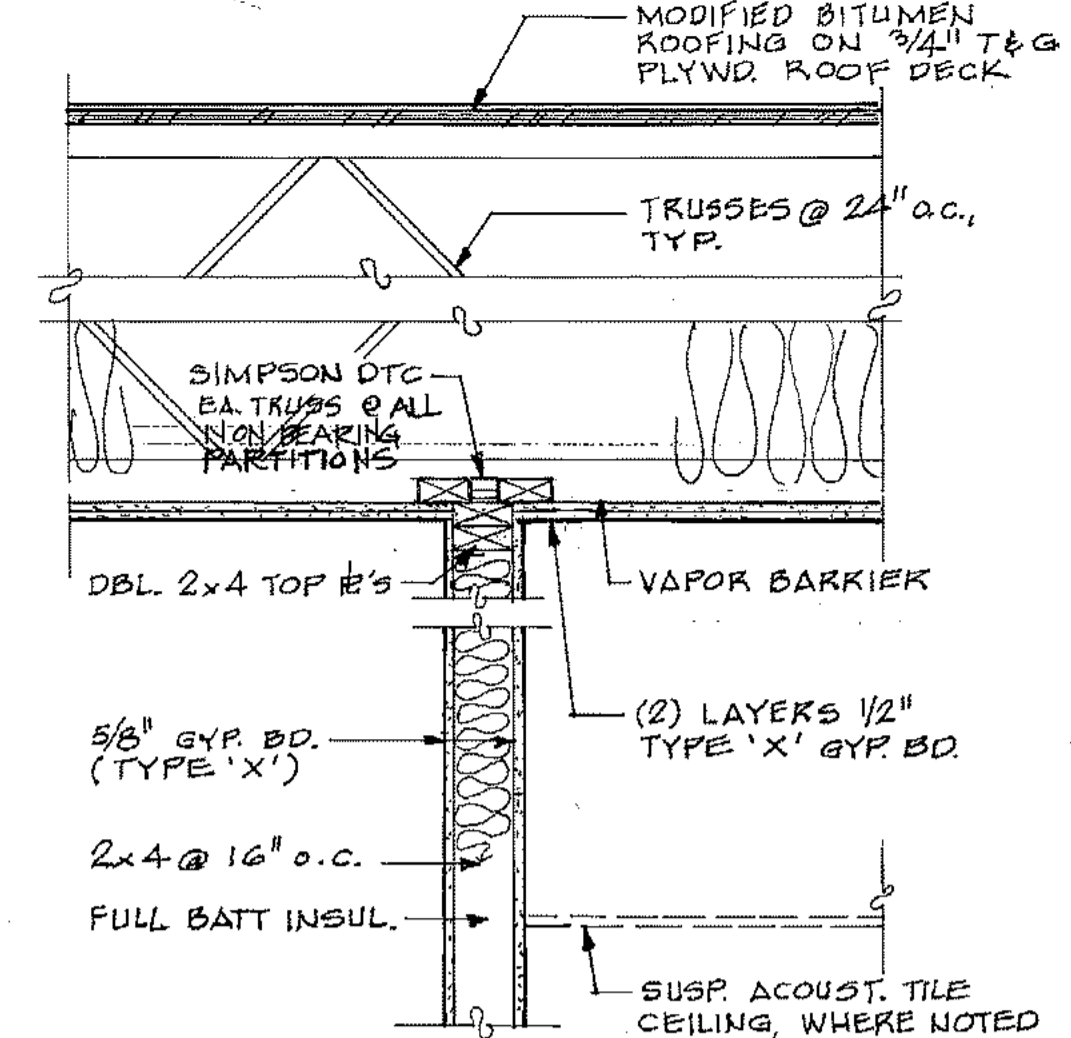
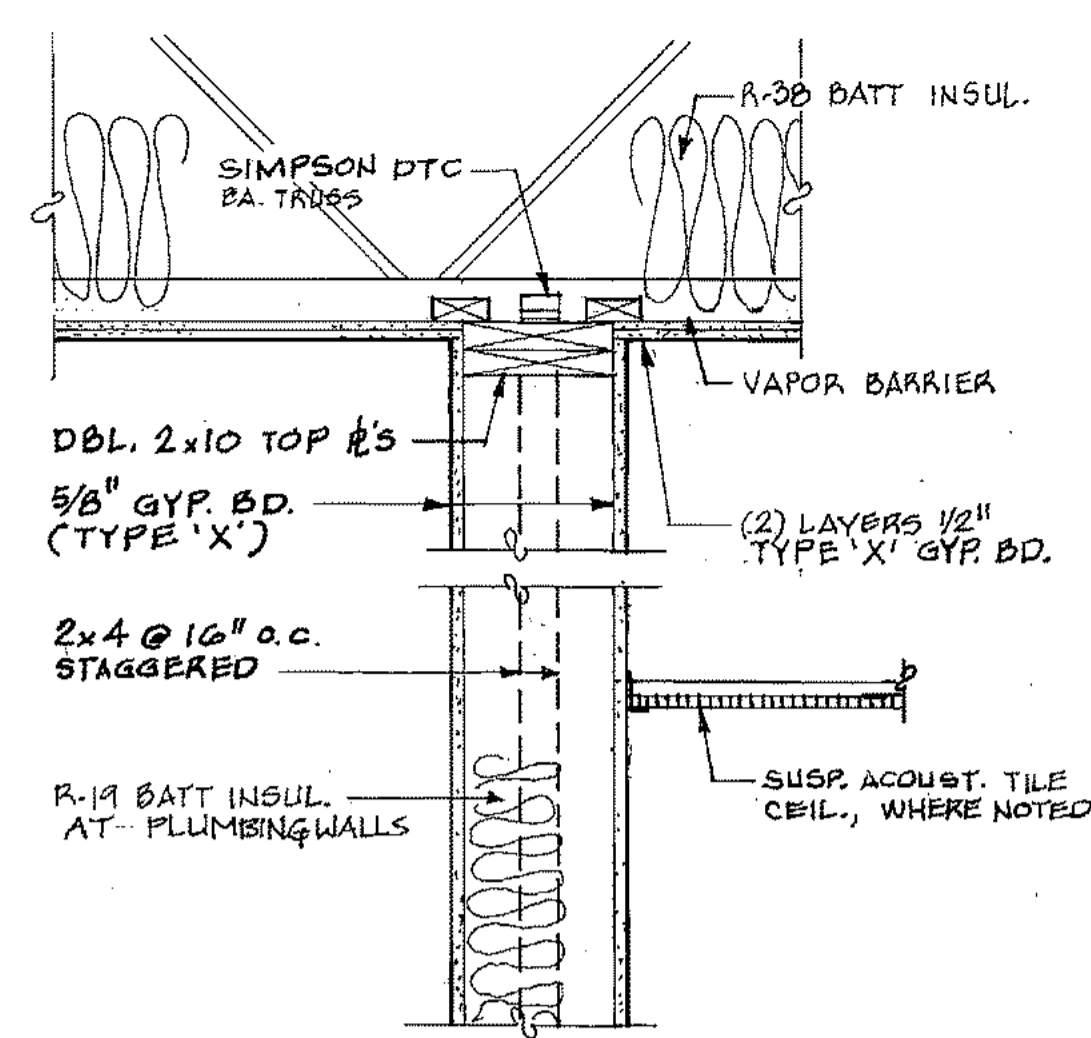


SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
1/4" PLANS, INTERIOR ELEVATIONS



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





1
A10

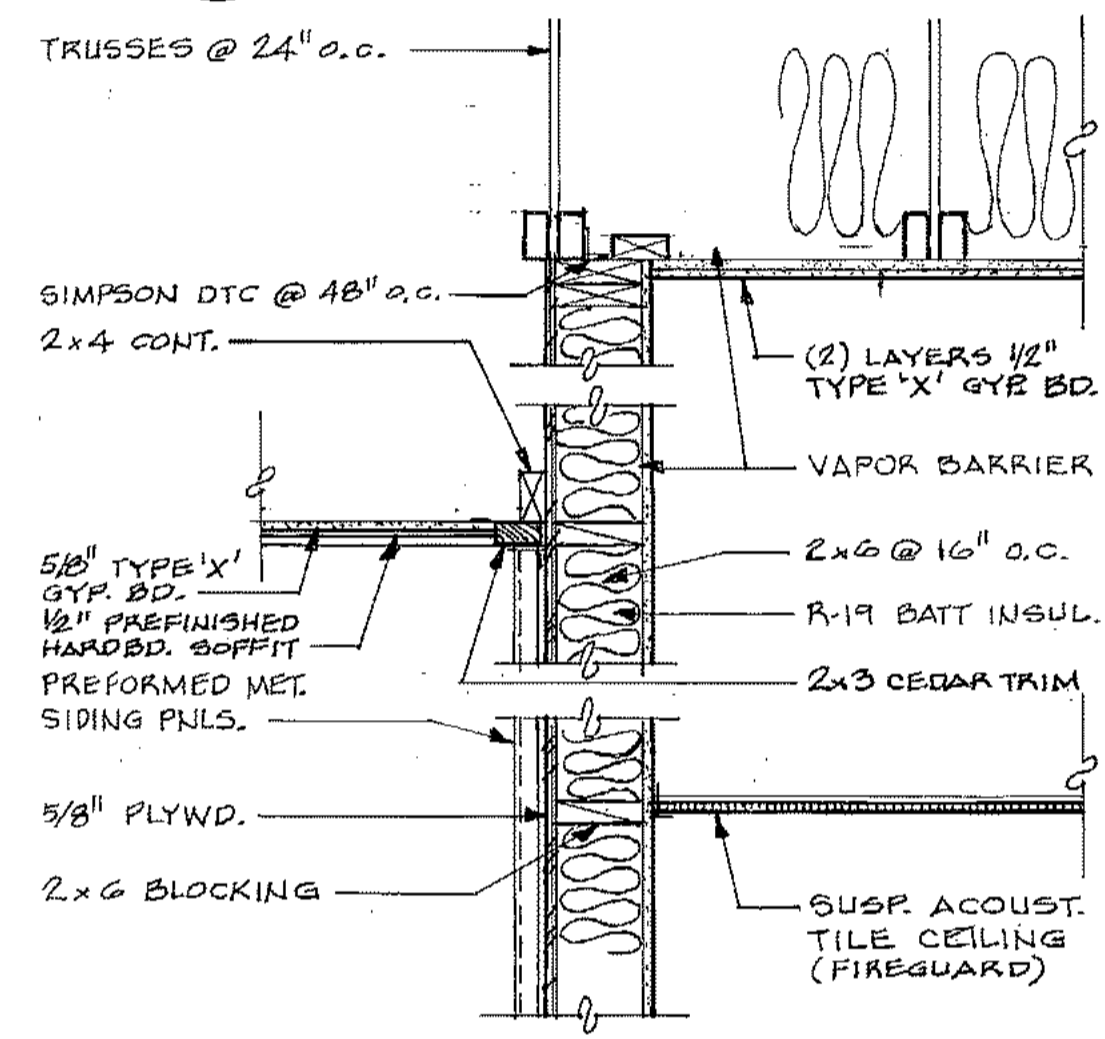
2
A10

3
A10

4
A10

5
A10

6
A10



7
A10

8
A10

9
A10

10
A10

11
A10

12
A10

13
A10

14
A10

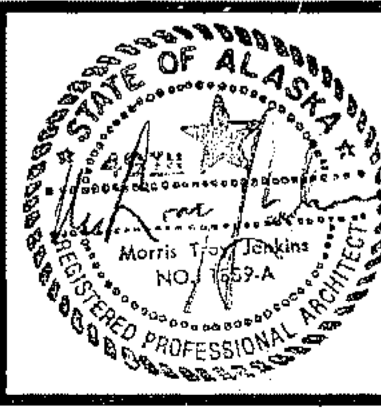
15
A10

16
A10

17
A10

PROJECT NO. 86-010-02 MOA
 DESIGNED : RBM
 DRAWN : RDL
 CHECKED :
 DATE : FEB. 24, 1987
 SCALE : 1" = 1'-0"

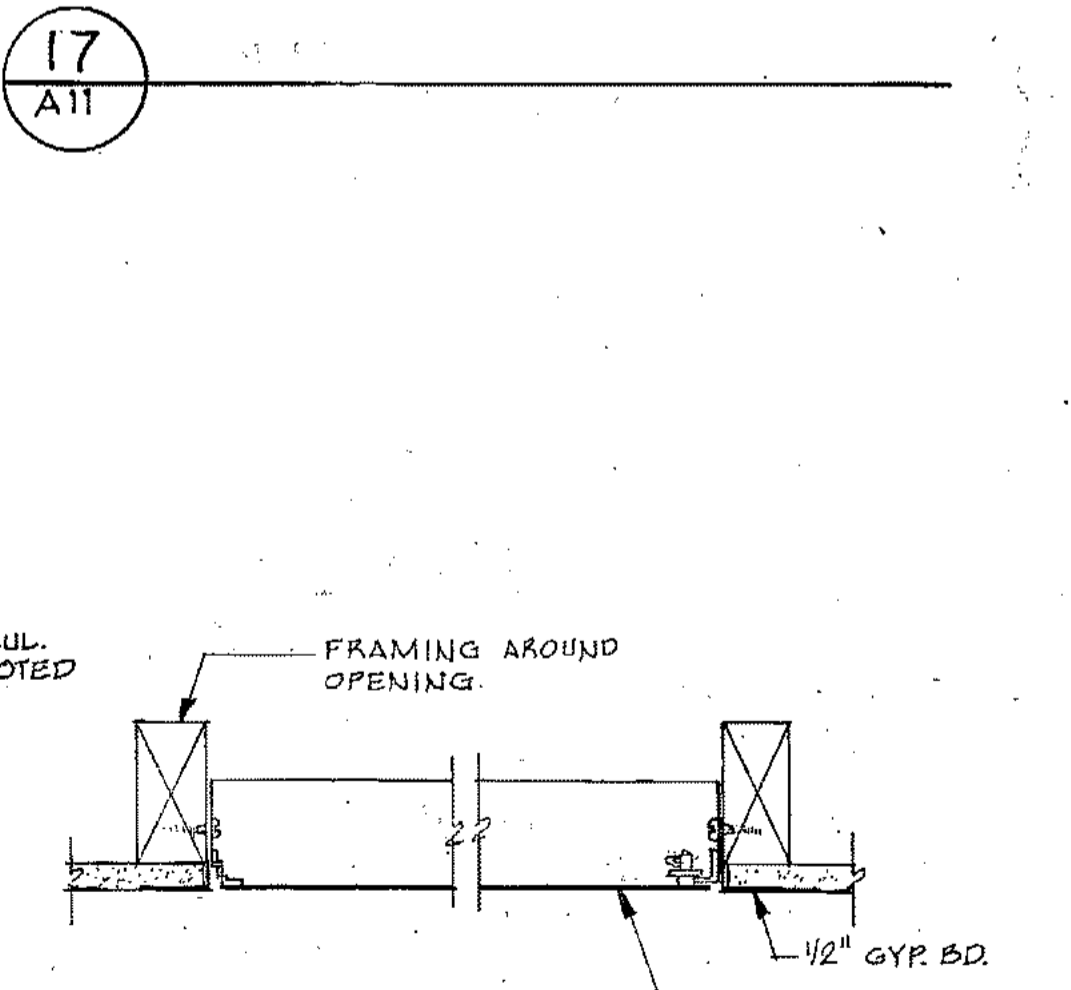
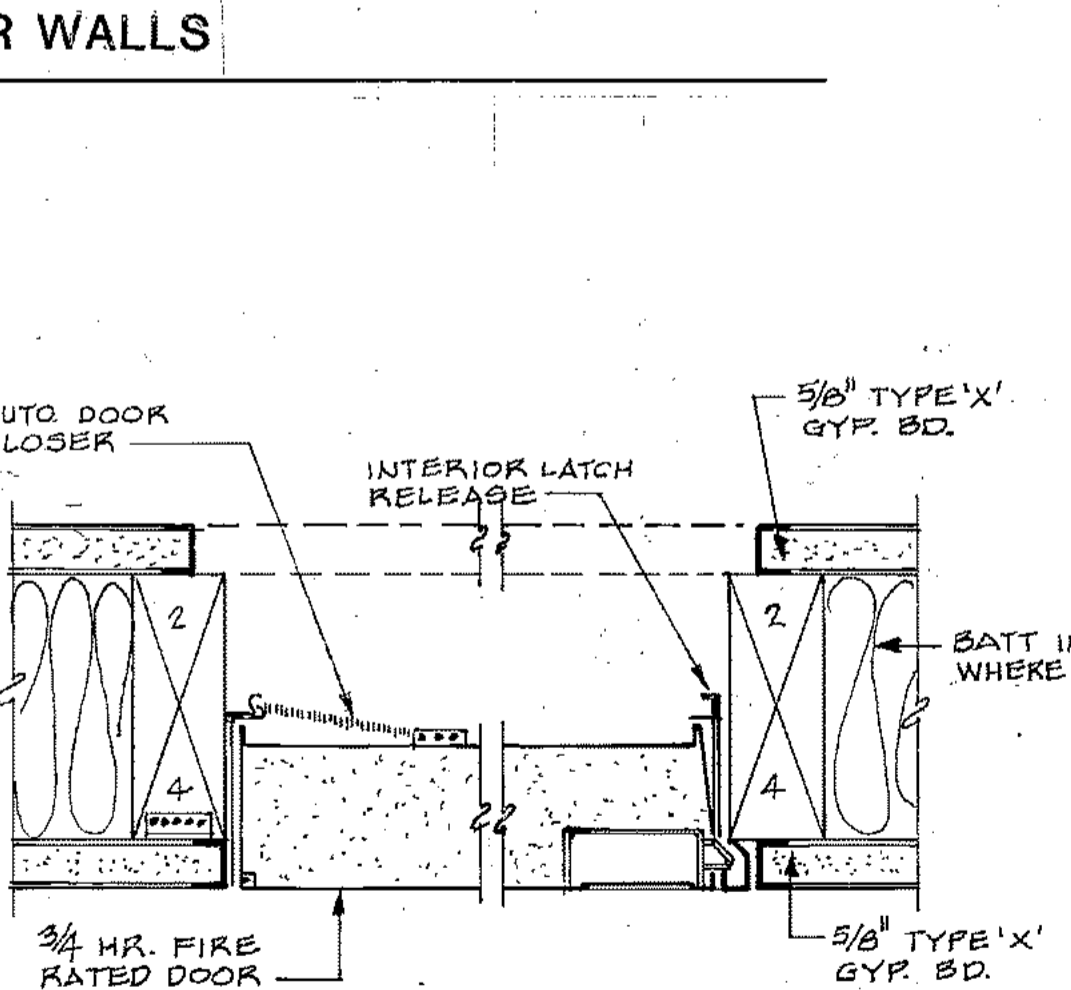
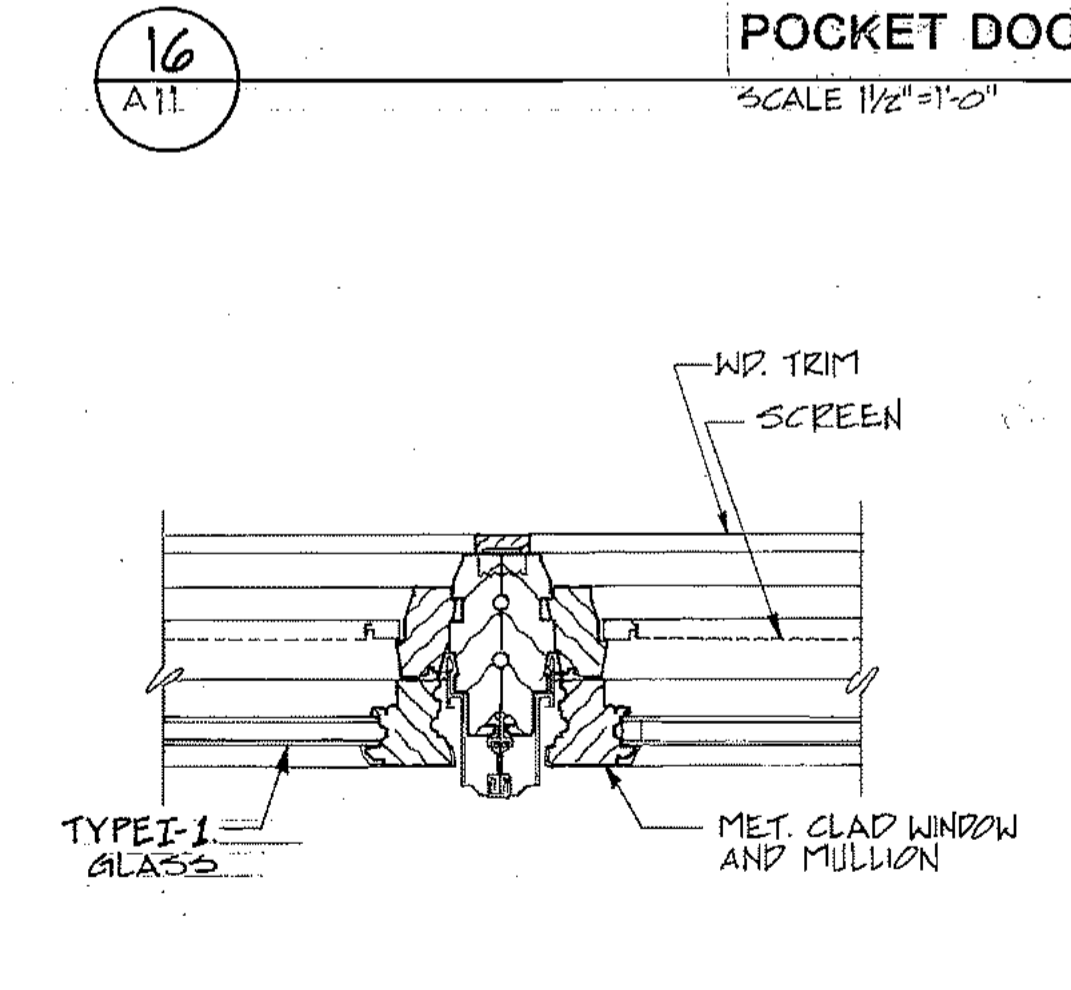
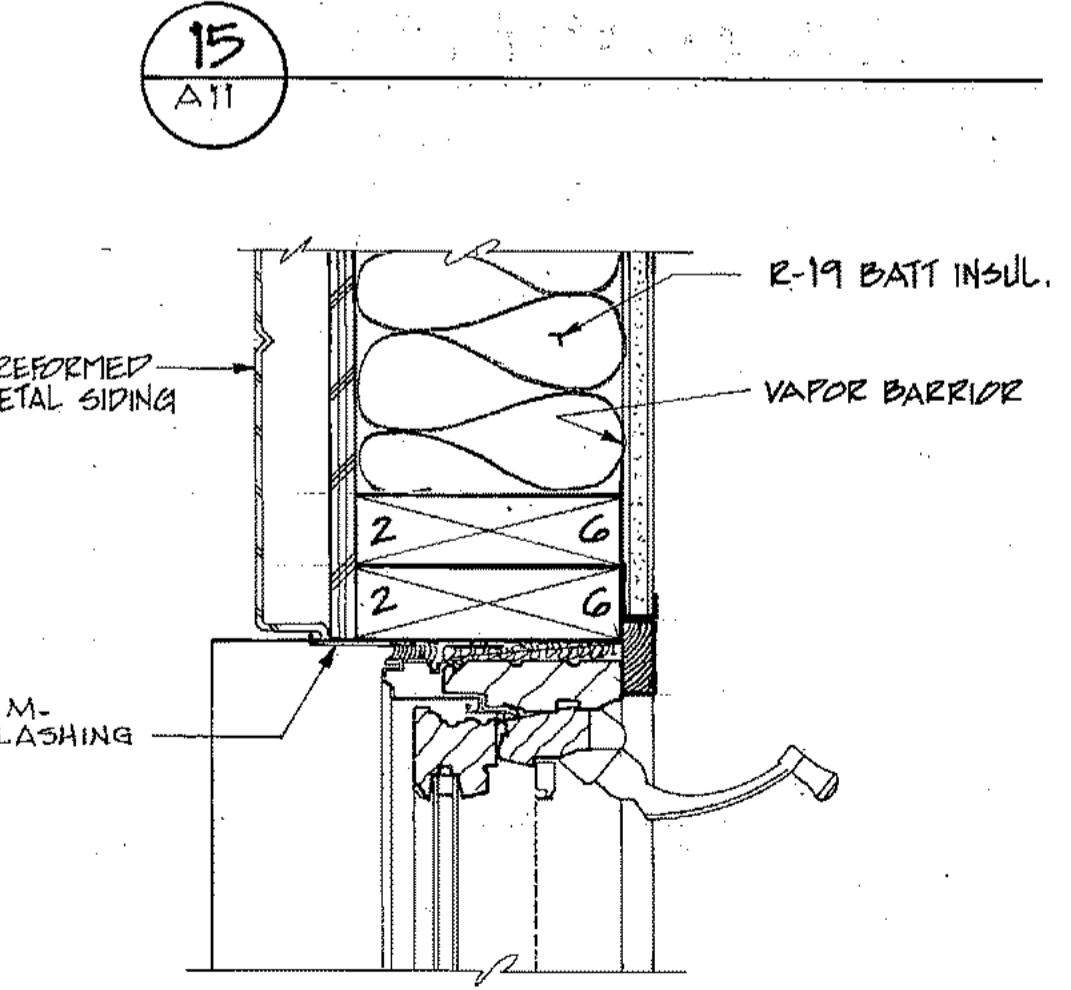
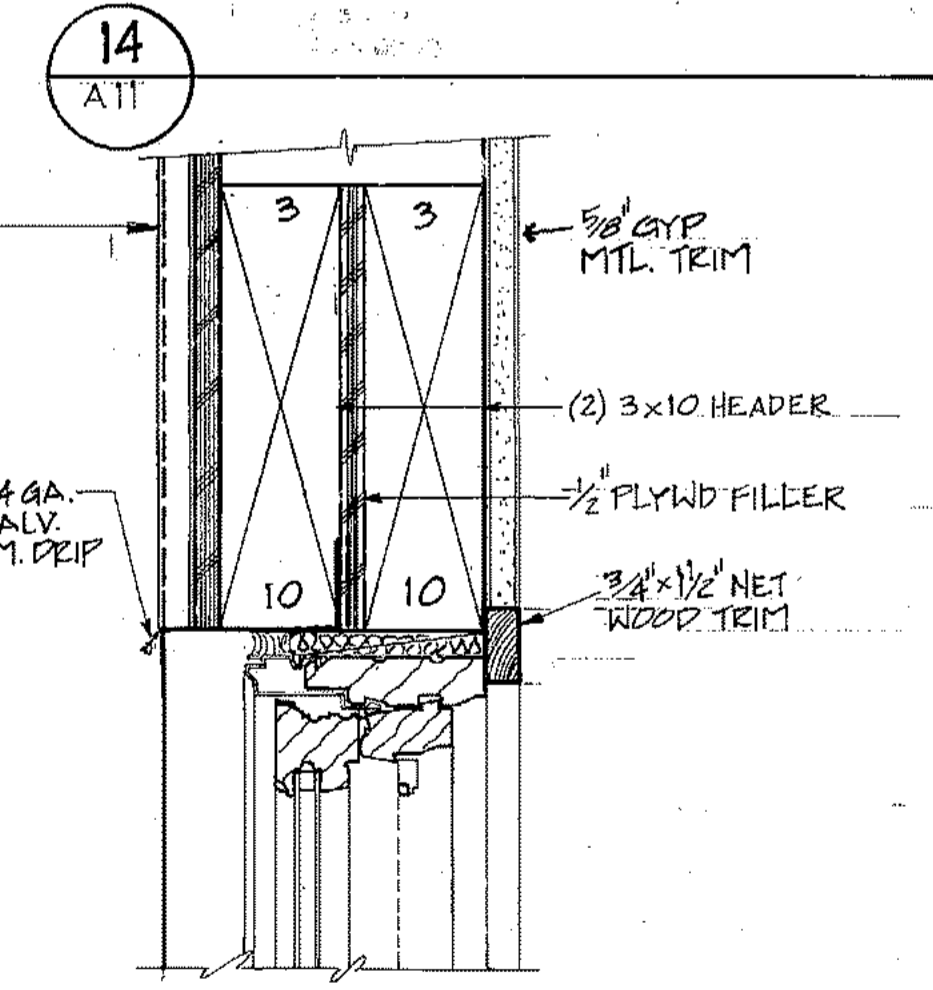
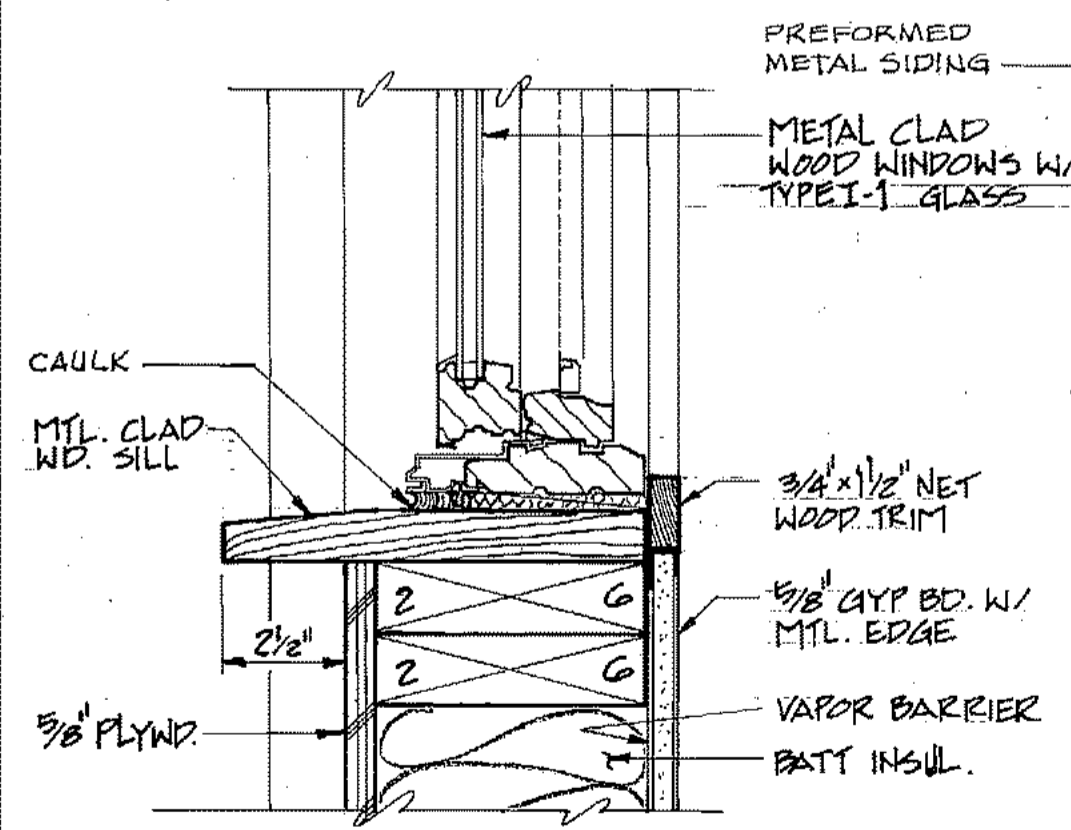
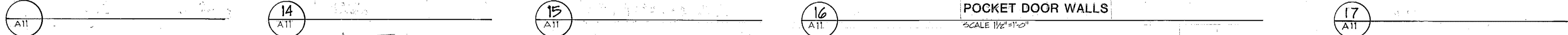
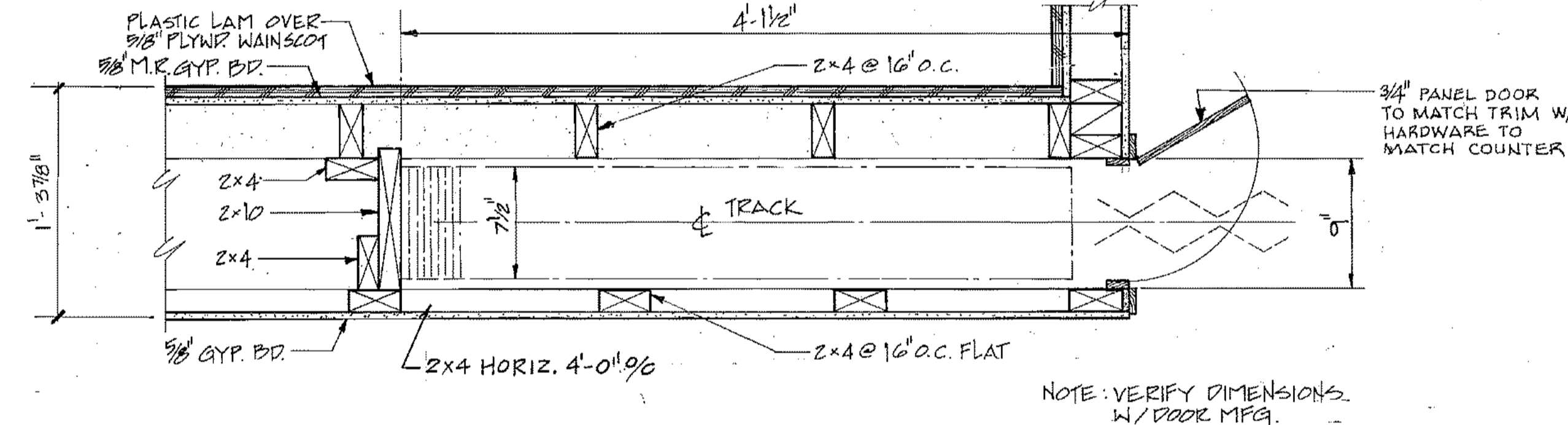
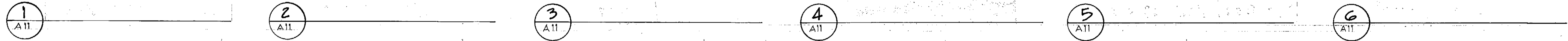
NO.	REVISION	DATE	BY



SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
 DETAILS

A-10
 SHEET 30 OF 85

Hand built in frame facility
wall types & window dx 1
A-11



18 SILL SCALE 3\"/>

19 HEAD SCALE 3\"/>

20 JAMB SCALE 3\"/>

21 MULLION SCALE 3\"/>

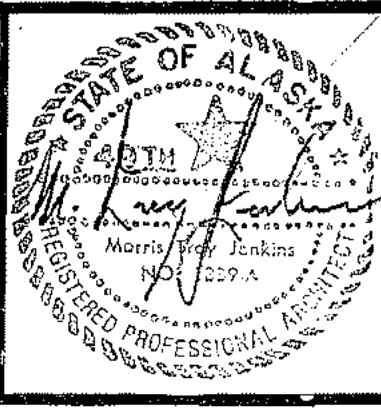
22 JAMB/HEAD & SILL SIM. N.T.S.

23 JAMB/HEAD & SILL SIM. N.T.S.

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

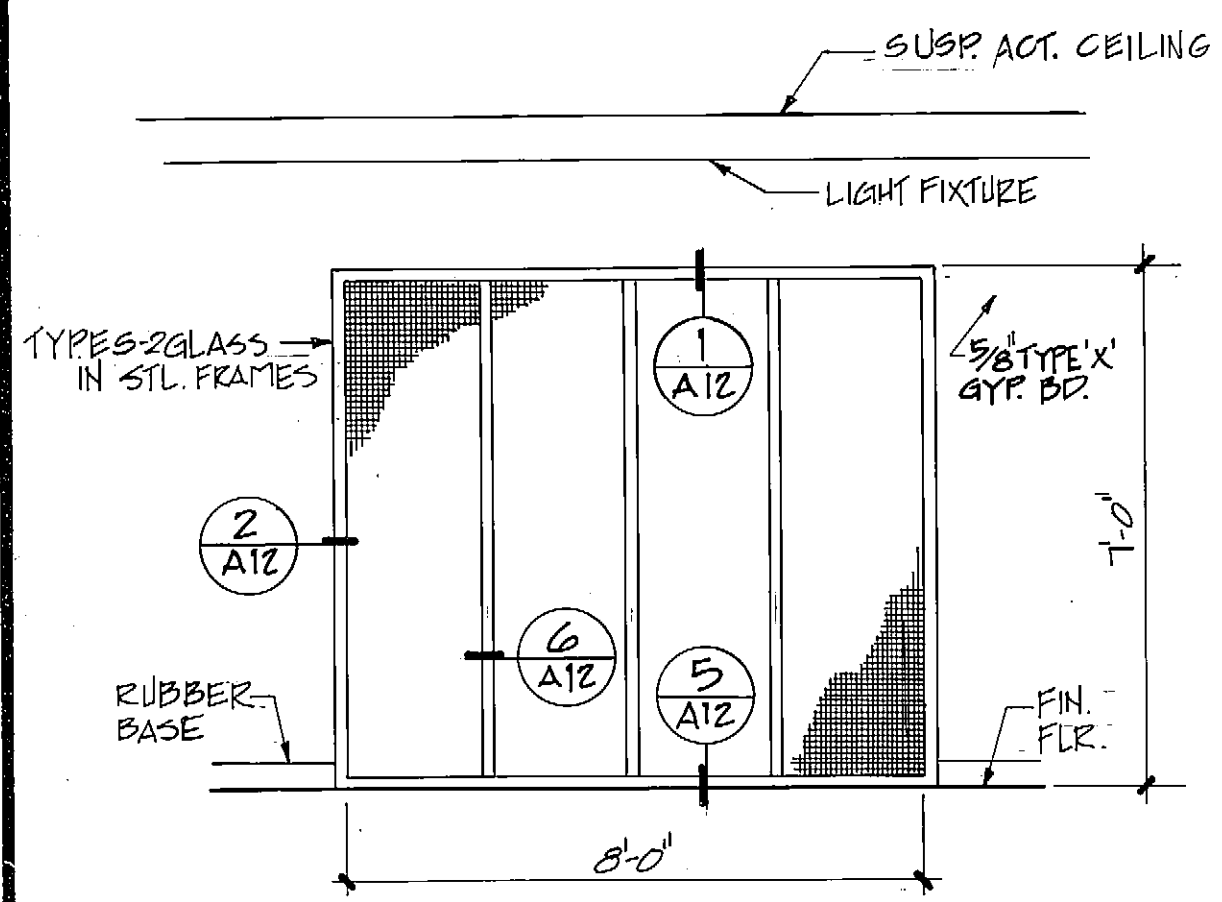
PROJECT NO. 86-010-02 MOA
DESIGNED: RBM
DRAWN: WAP
CHECKED:
DATE: FEB. 24, 1987.
SCALE: AS NOTED

NO.	REVISION	DATE	BY

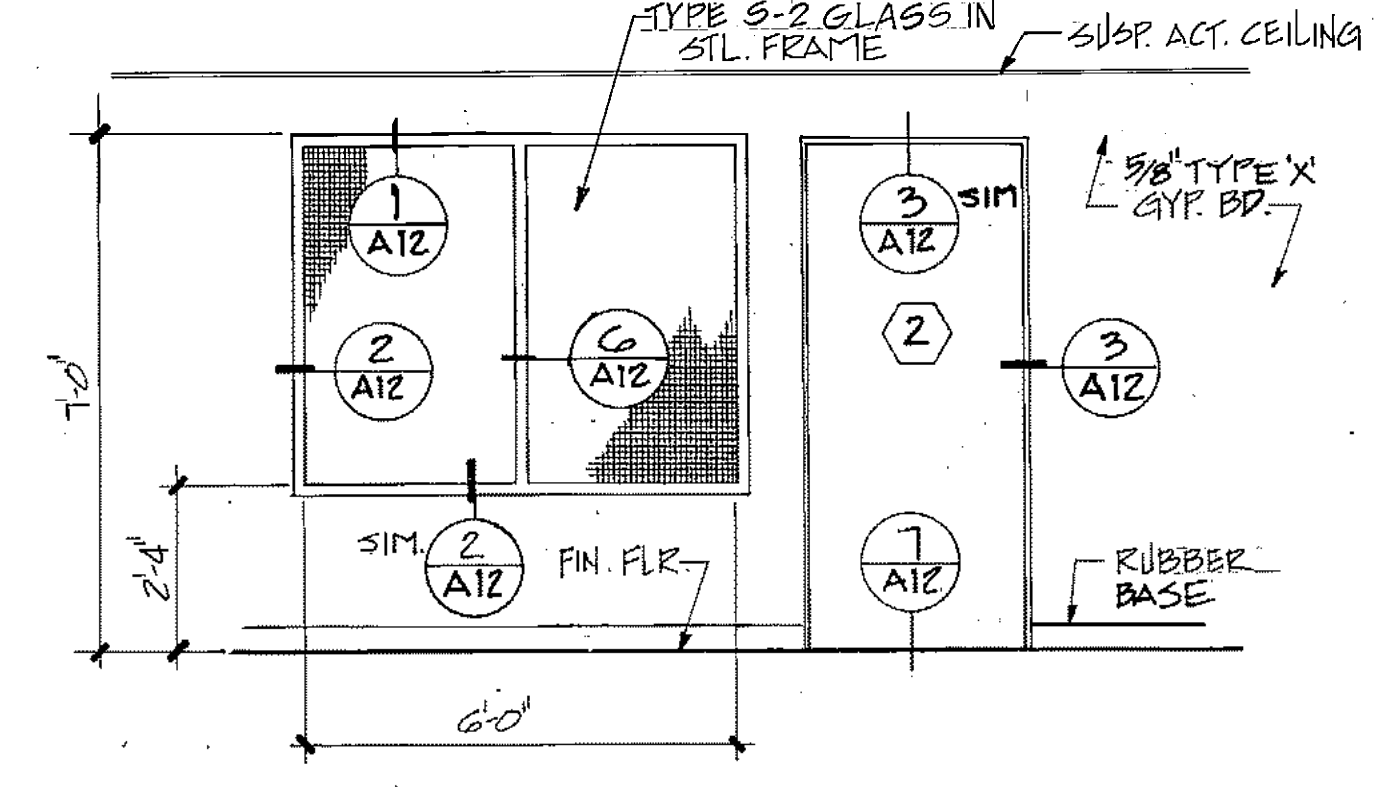


SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
MAINTENANCE / ADMINISTRATION BUILDING
WALL TYPES, WINDOW/DOOR DETAILS

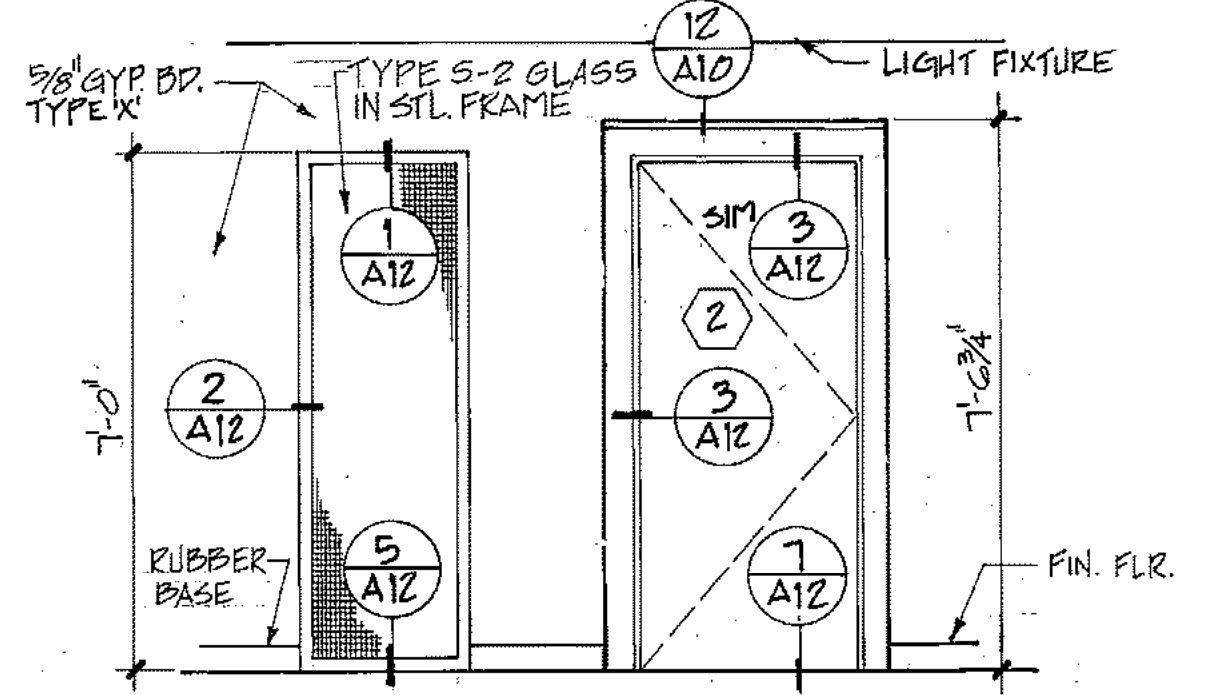
Check field end. Sec.
 Windows, Elev., Door, & Wall. Details.
 A-12



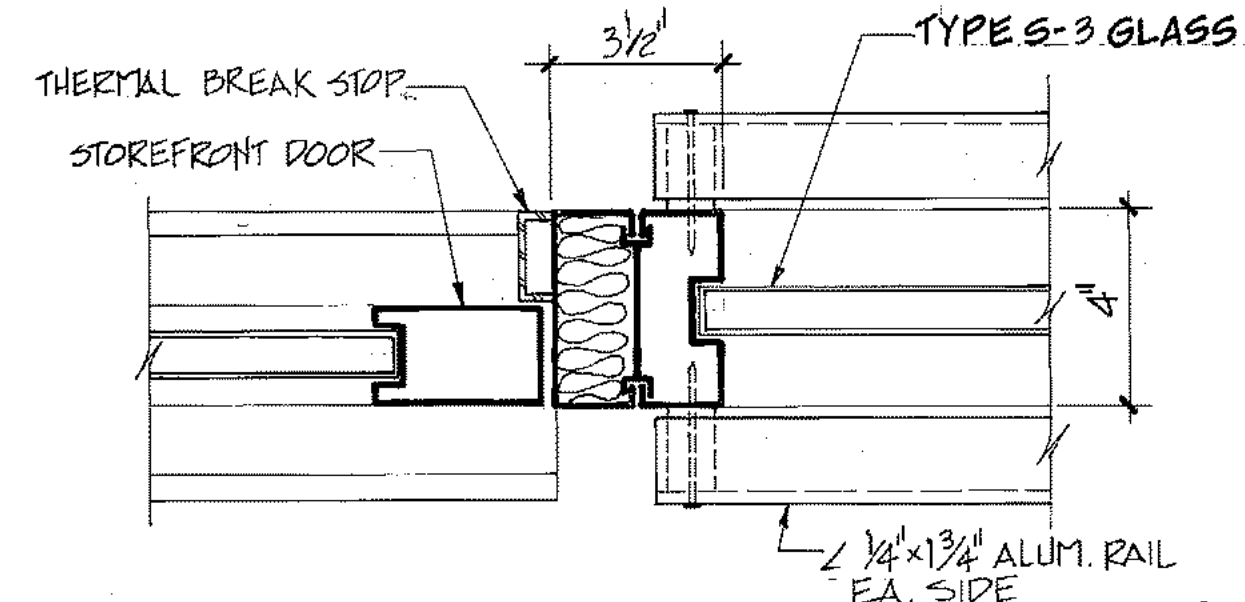
WINDOW TO GEN. OFFICE AT ENTRY TYPE C
 SCALE 3/8"=1'-0"



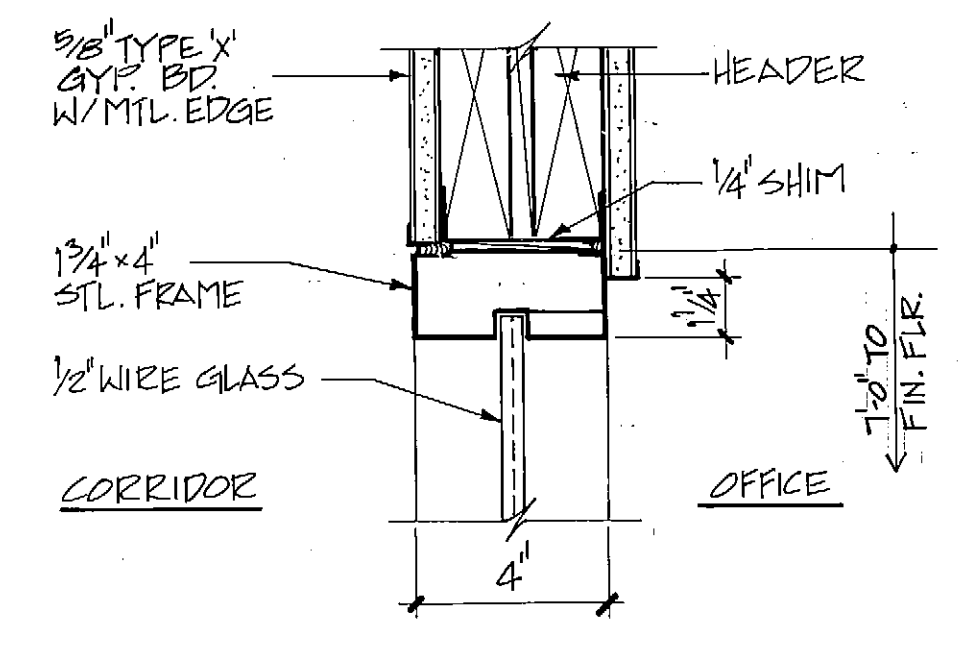
WINDOW AT OFFICE & LAB TYPE D
 SCALE 3/8"=1'-0"



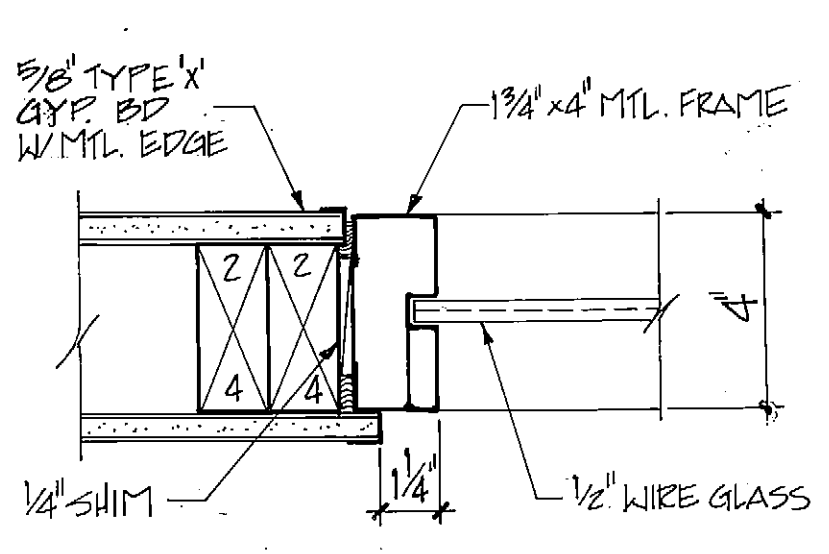
WINDOW & DOOR TO CONF. AT ENTRY TYPE E
 SCALE 3/8"=1'-0"



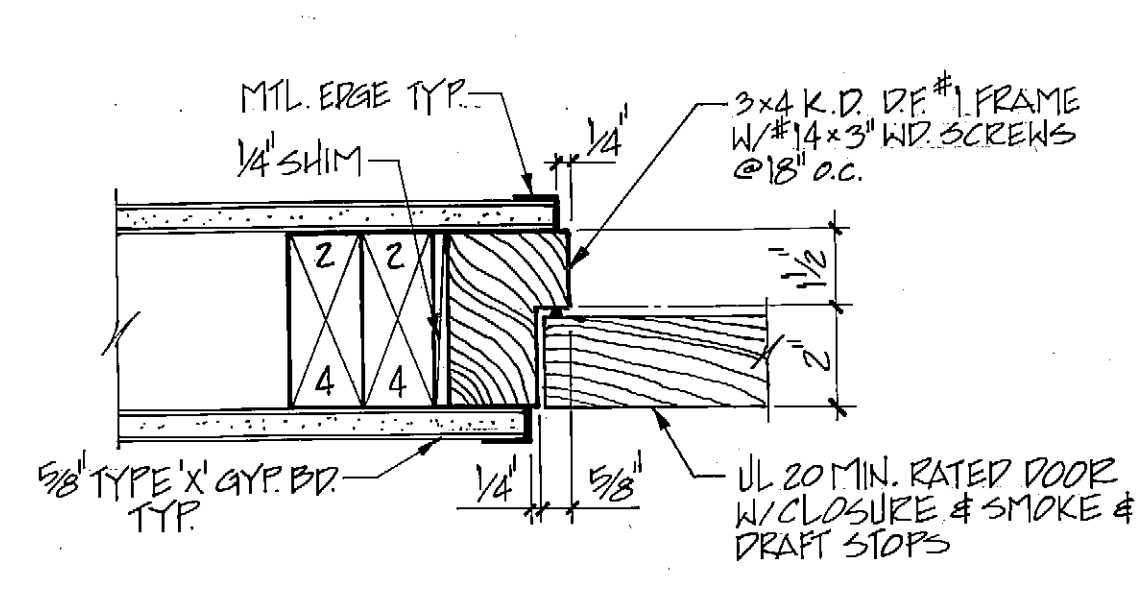
13 MULLION
 SCALE 3/8"=1'-0"



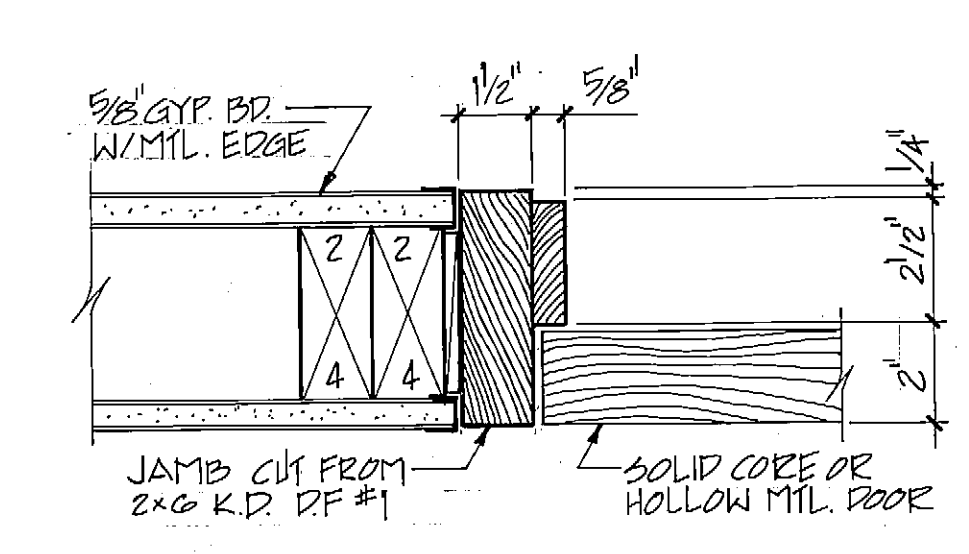
1 HEAD
 A12



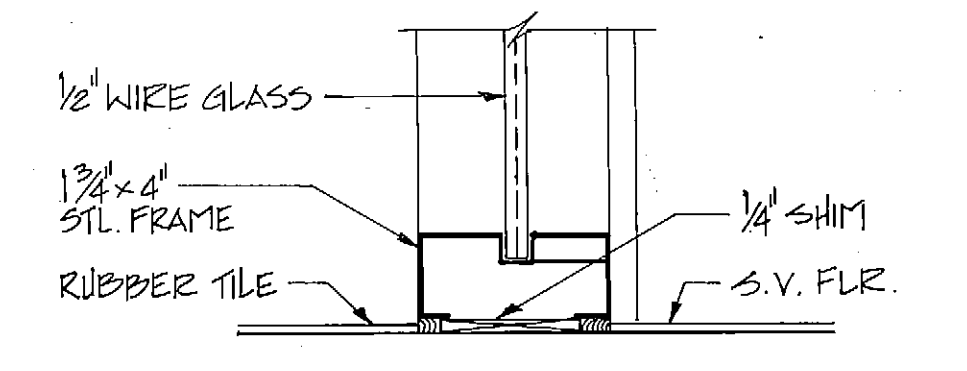
2 JAMB
 A12



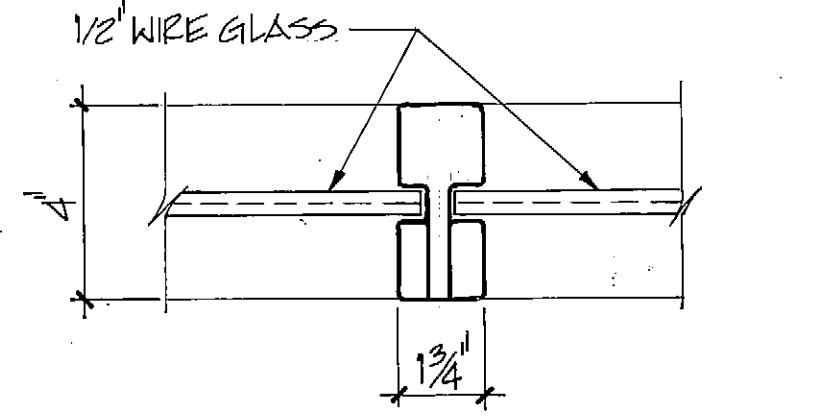
3 JAMB / HEAD SIM.
 A12



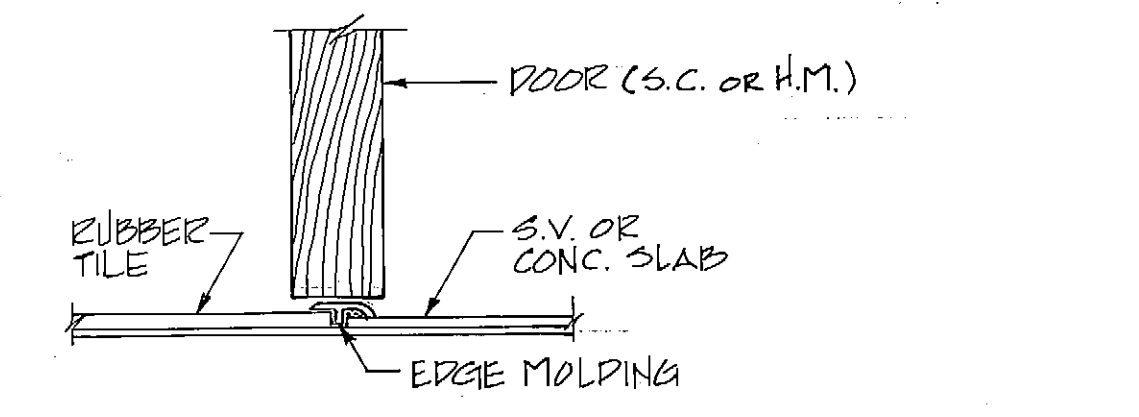
4 JAMB / HEAD SIM.
 A12



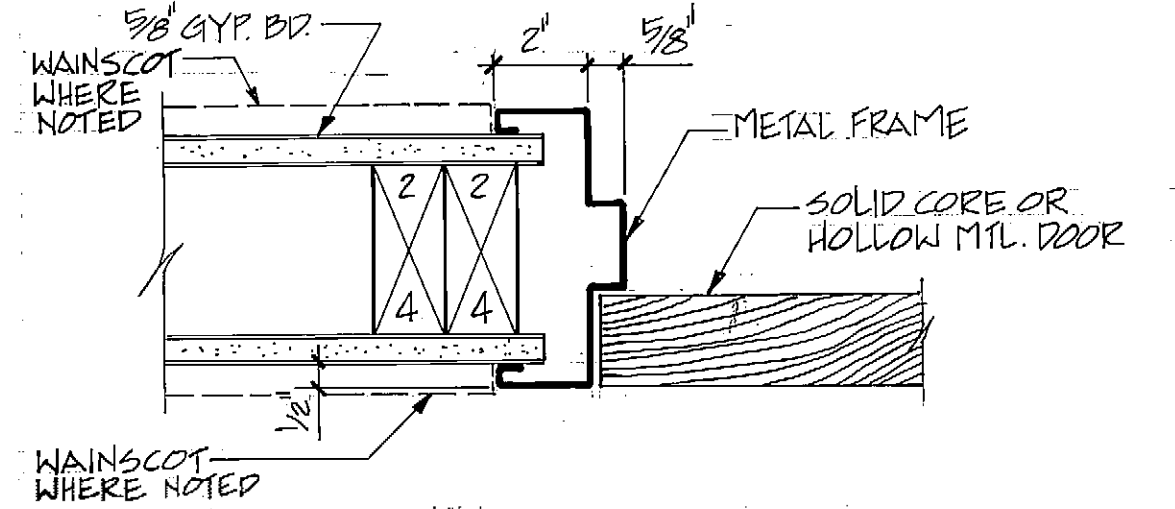
5 SILL
 A12



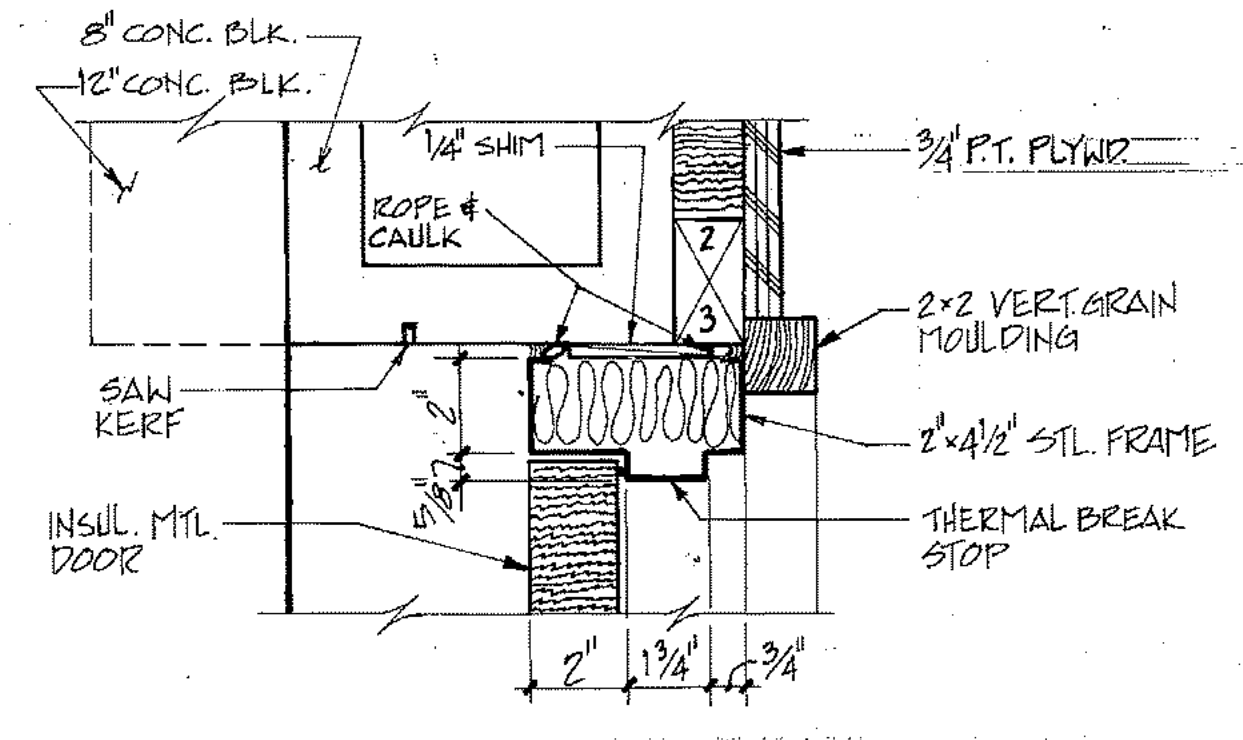
6 MULLION
 A12



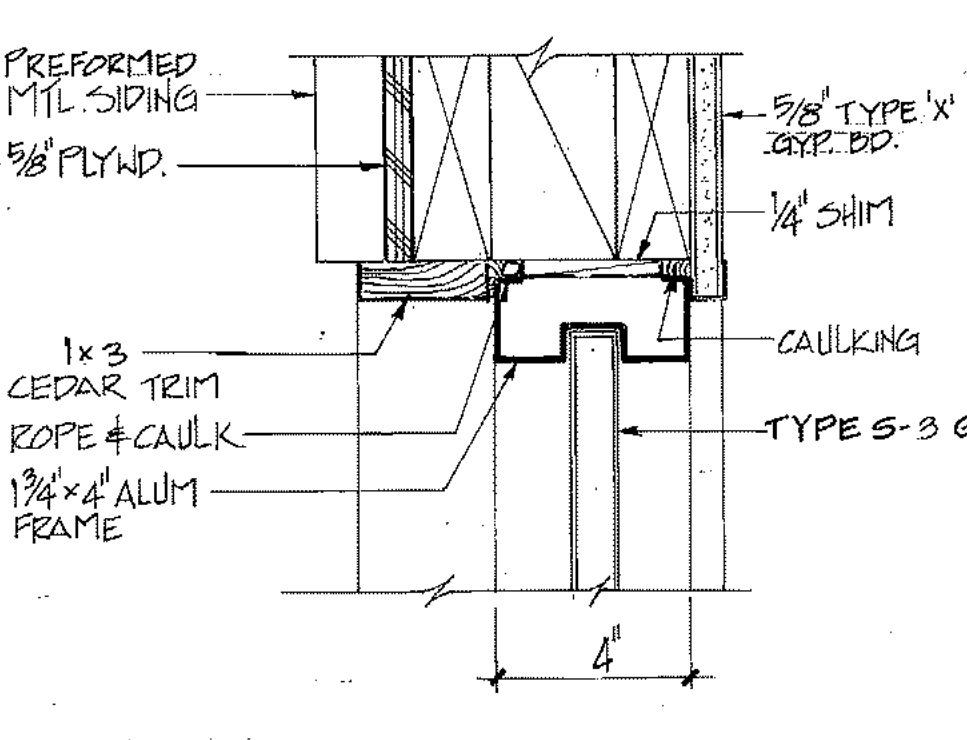
7 DETAIL
 N.T.S.



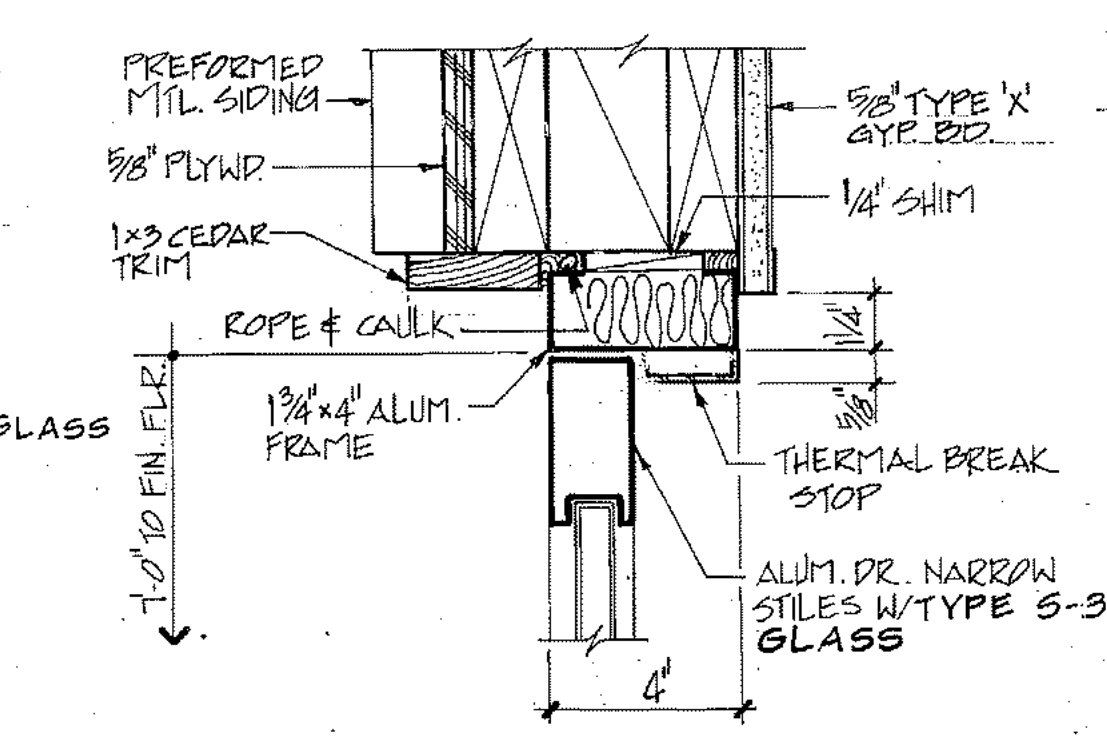
8 JAMB / HEAD SIM.
 A12
 20 MIN. RATED ASSEMBLY AT CORRIDOR, DOOR #5 - 3/4 HR. RATED 1-HR. RATED ASSEMBLY AT OCC. SEPARATION WALL.



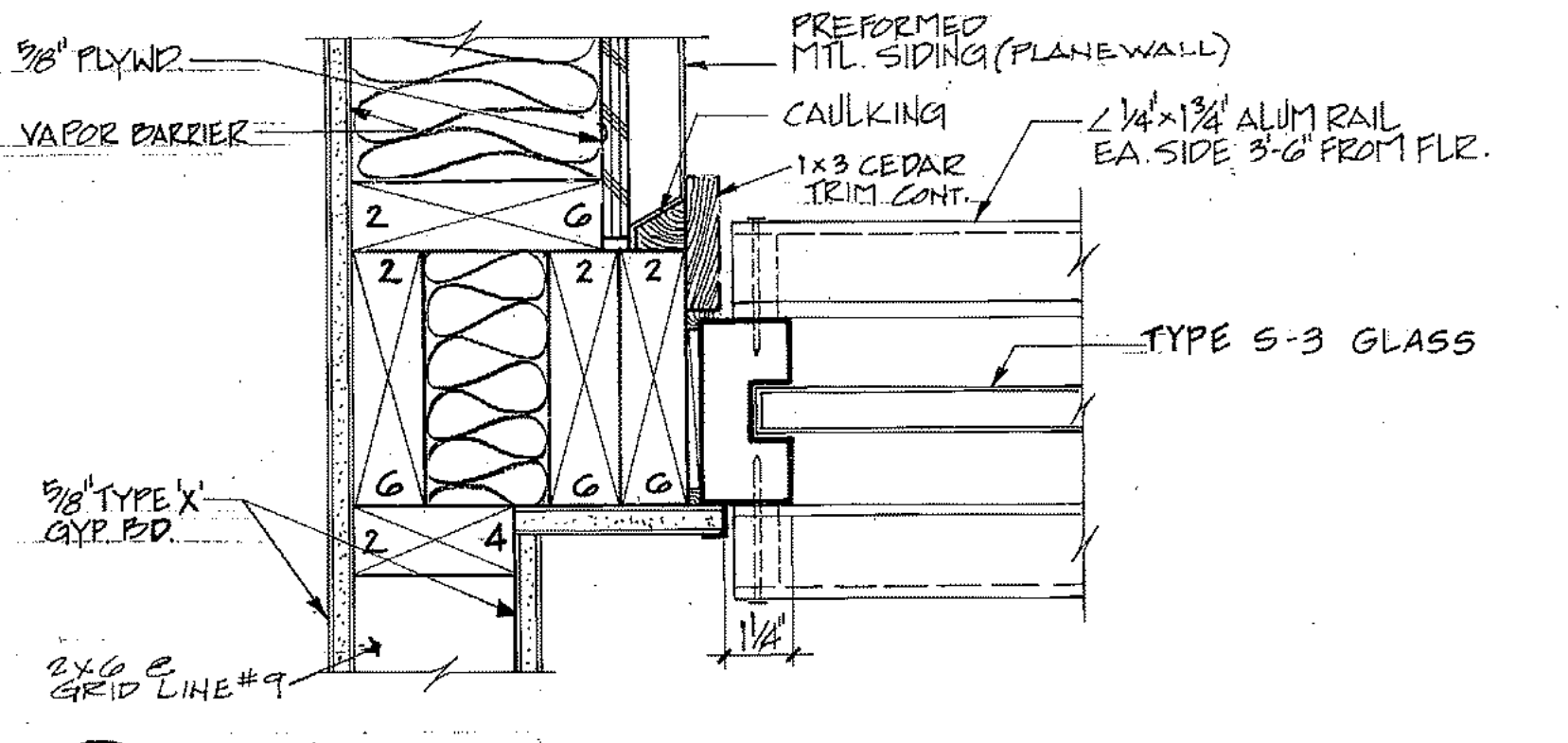
9 HEAD / JAMB SIMILAR
 A12



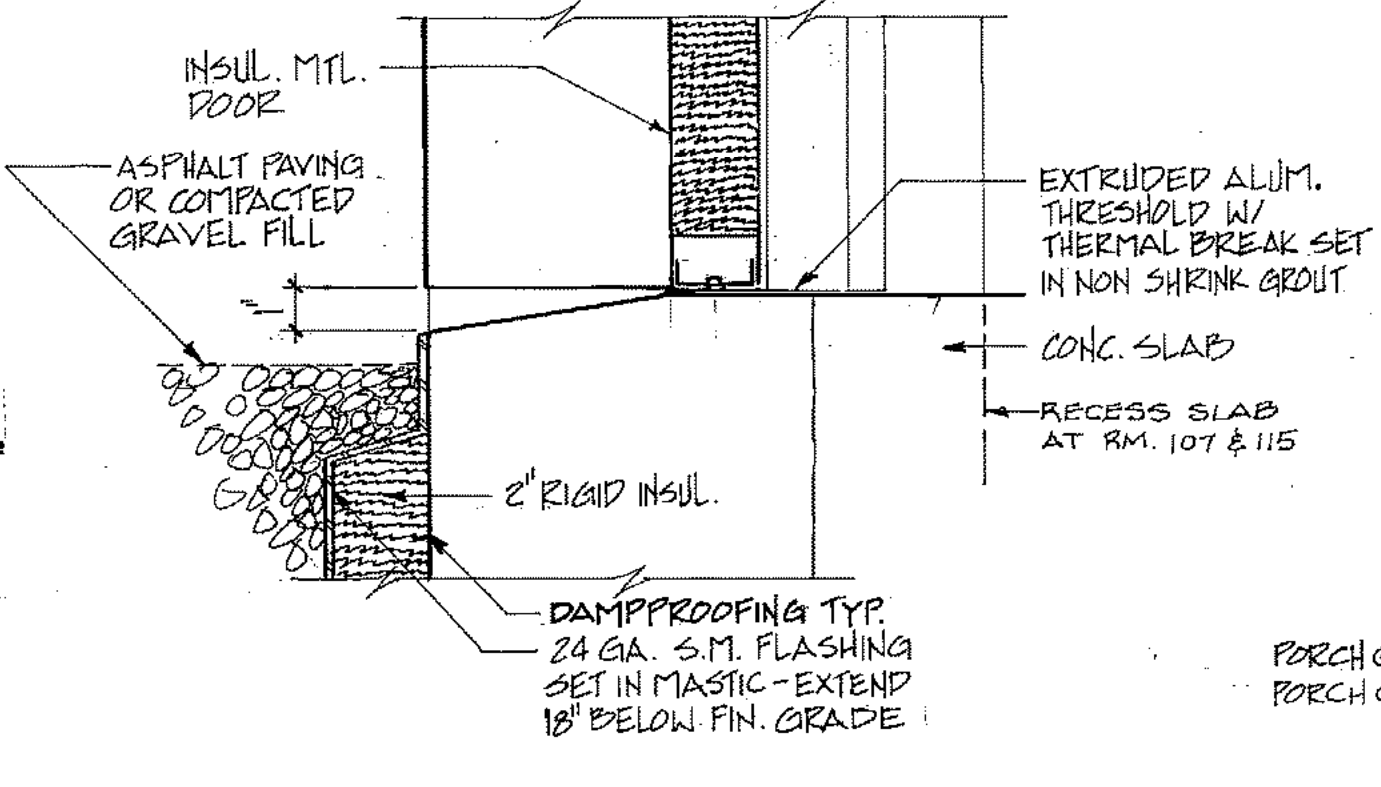
10 HEAD
 A12



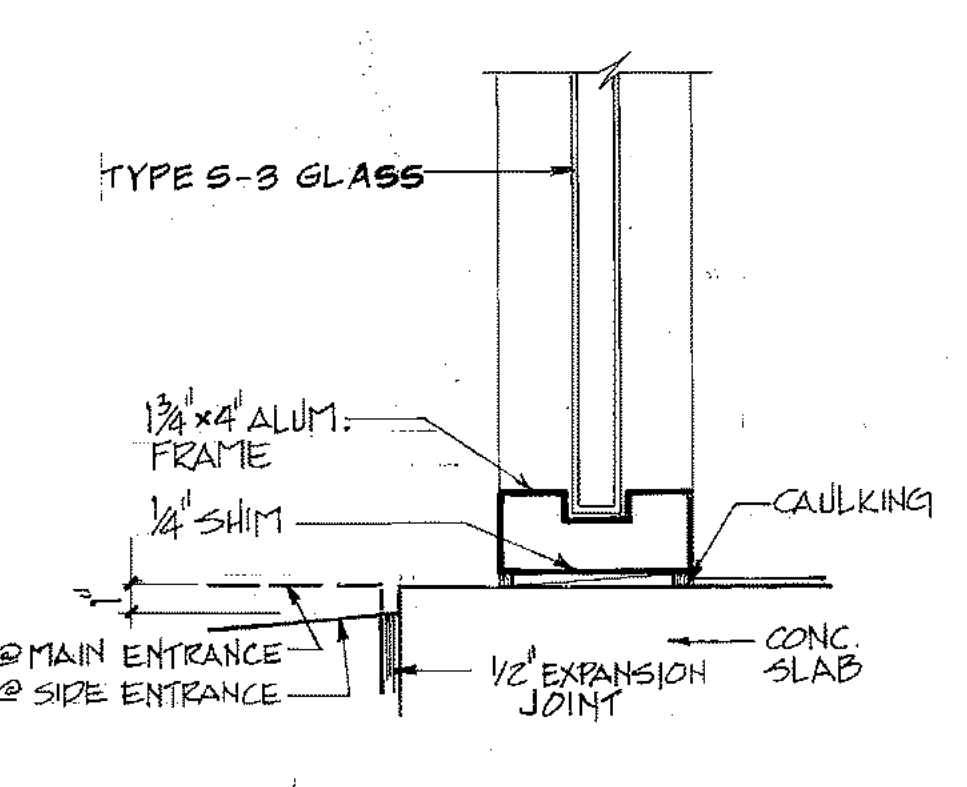
11 HEAD
 A12



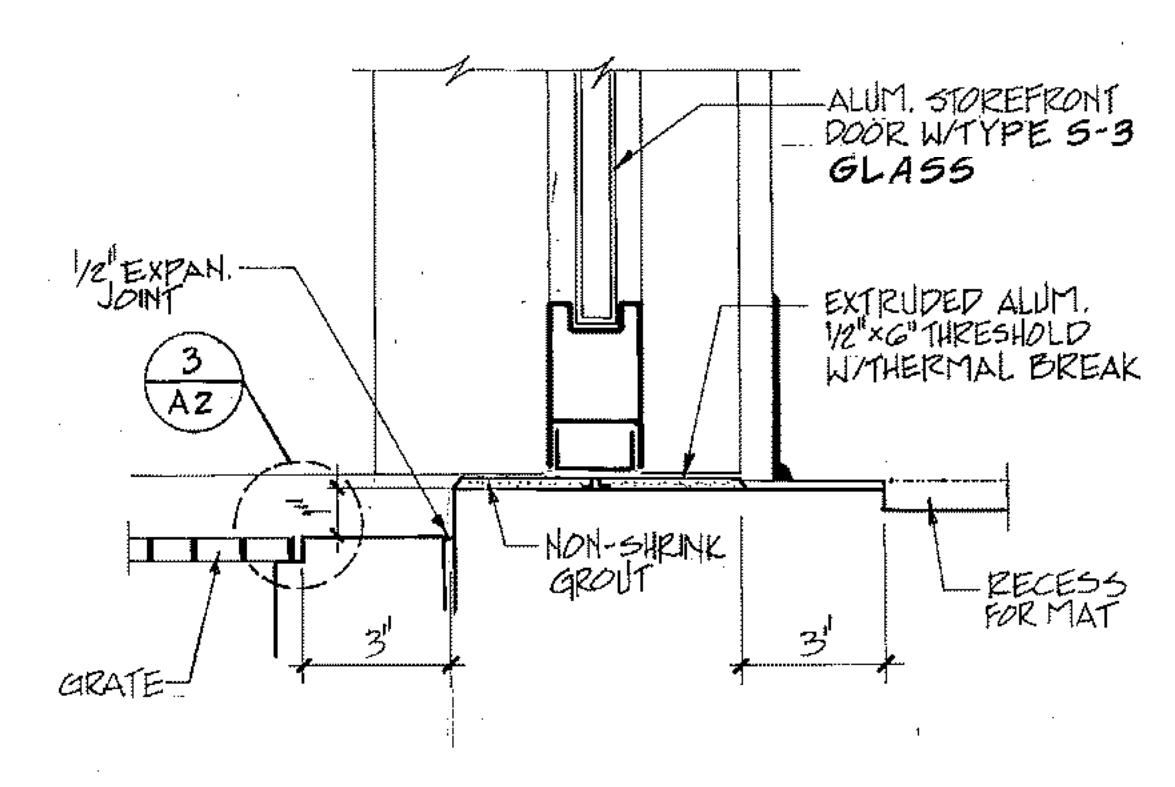
12 JAMB
 A12



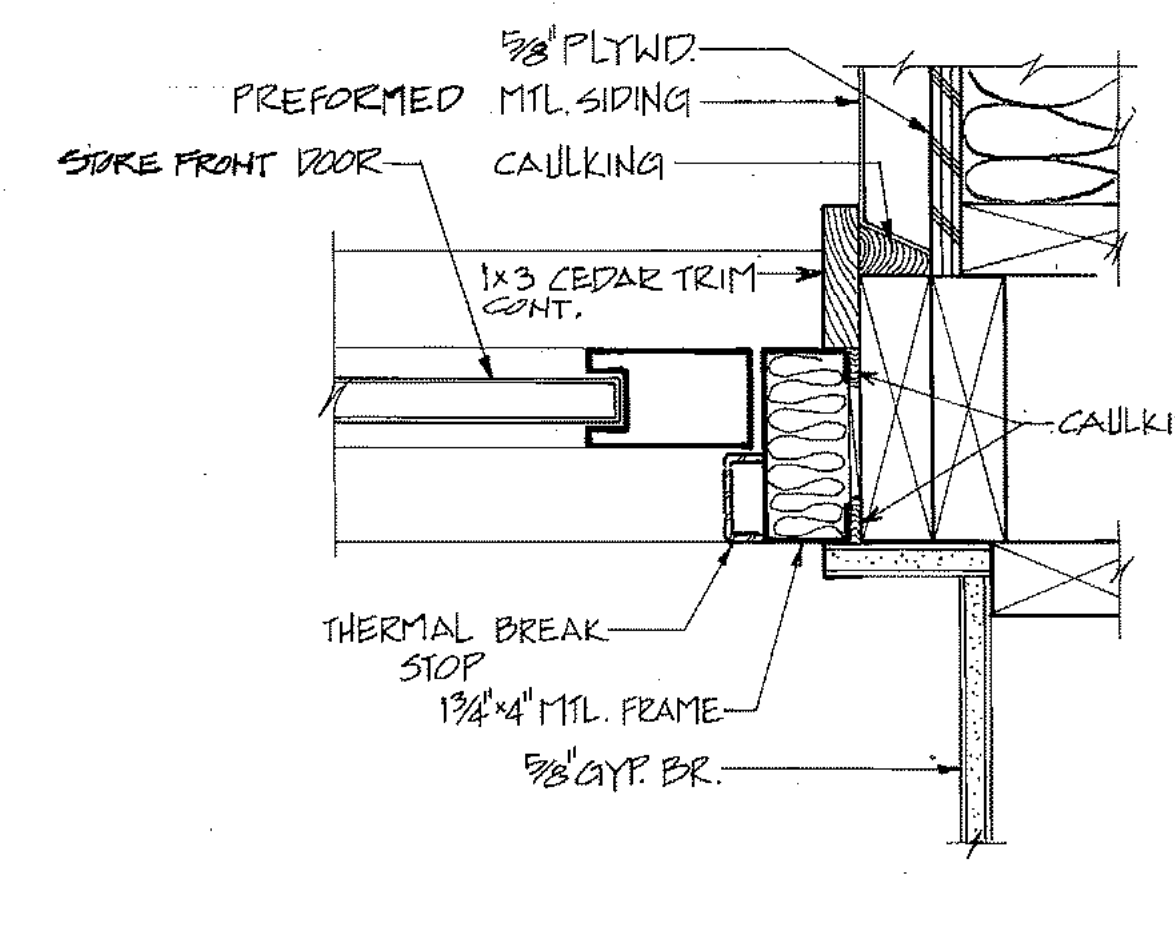
14 THRESHOLD
 SCALE 3/8"=1'-0"



15 SILL
 A12



16 THRESHOLD
 A12



17 JAMB
 A12

ARCTIC ENGINEERS INC.
 ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
 DESIGNED : RBM
 DRAWN : WAP
 CHECKED :
 DATE : FEB. 24, 1987
 SCALE : 3/8"=1'-0" UNLESS NOTED

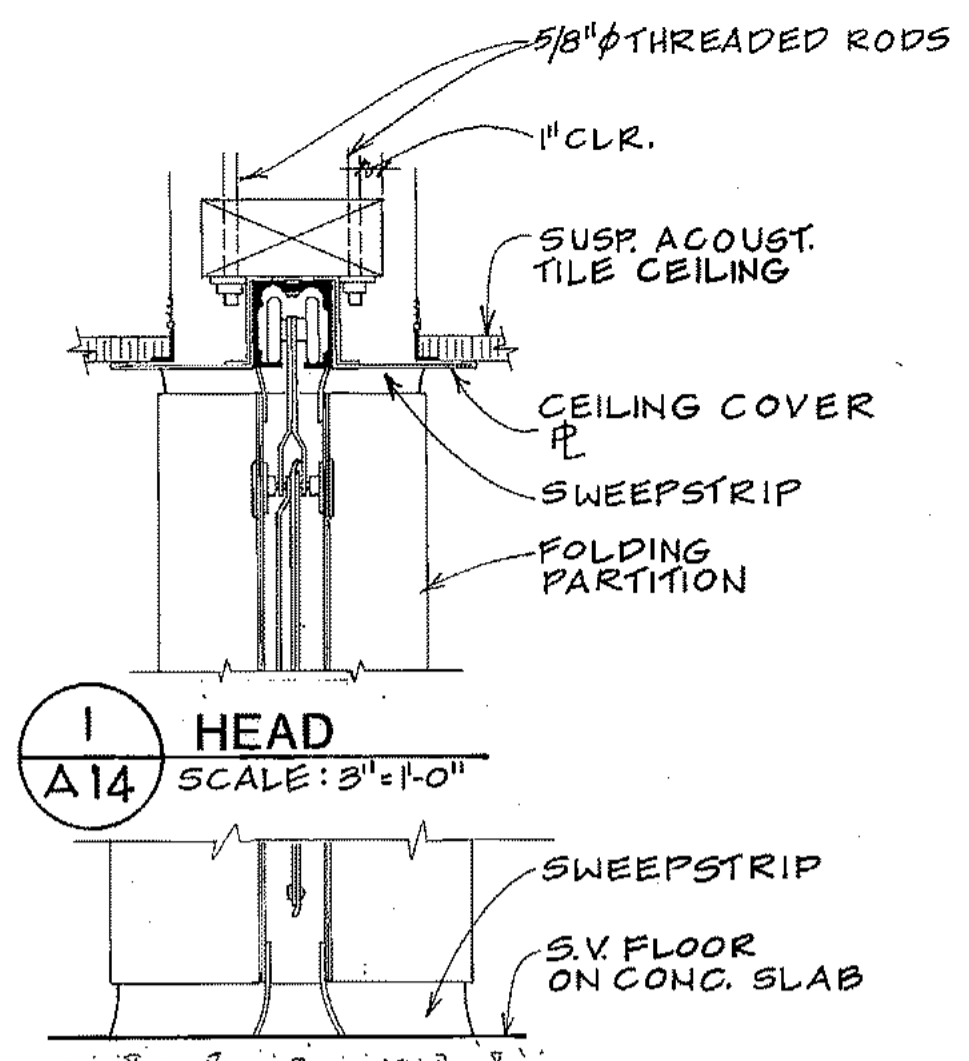
NO.	REVISION	DATE	BY



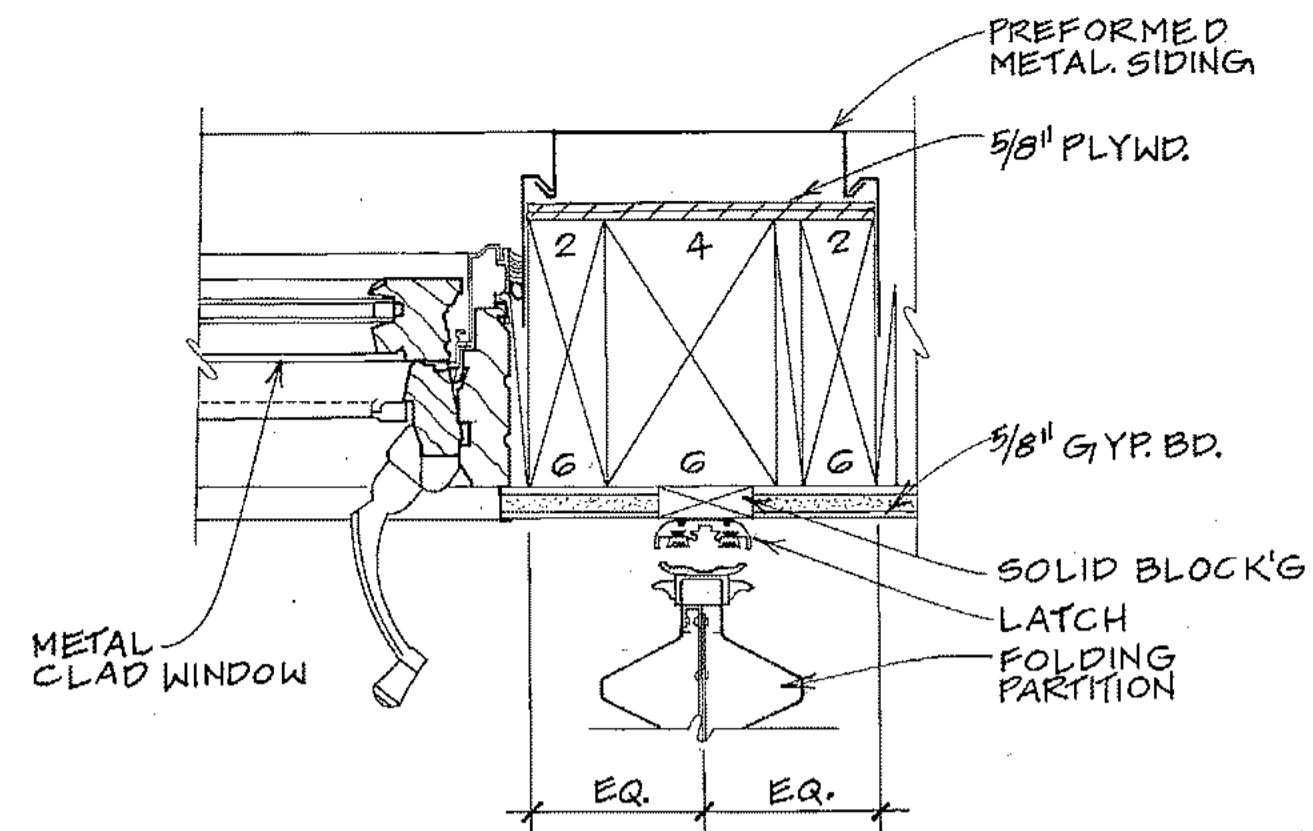
SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
DOOR & WINDOW ELEVATIONS AND DETAILS

A-12
 SHEET 32 OF 85

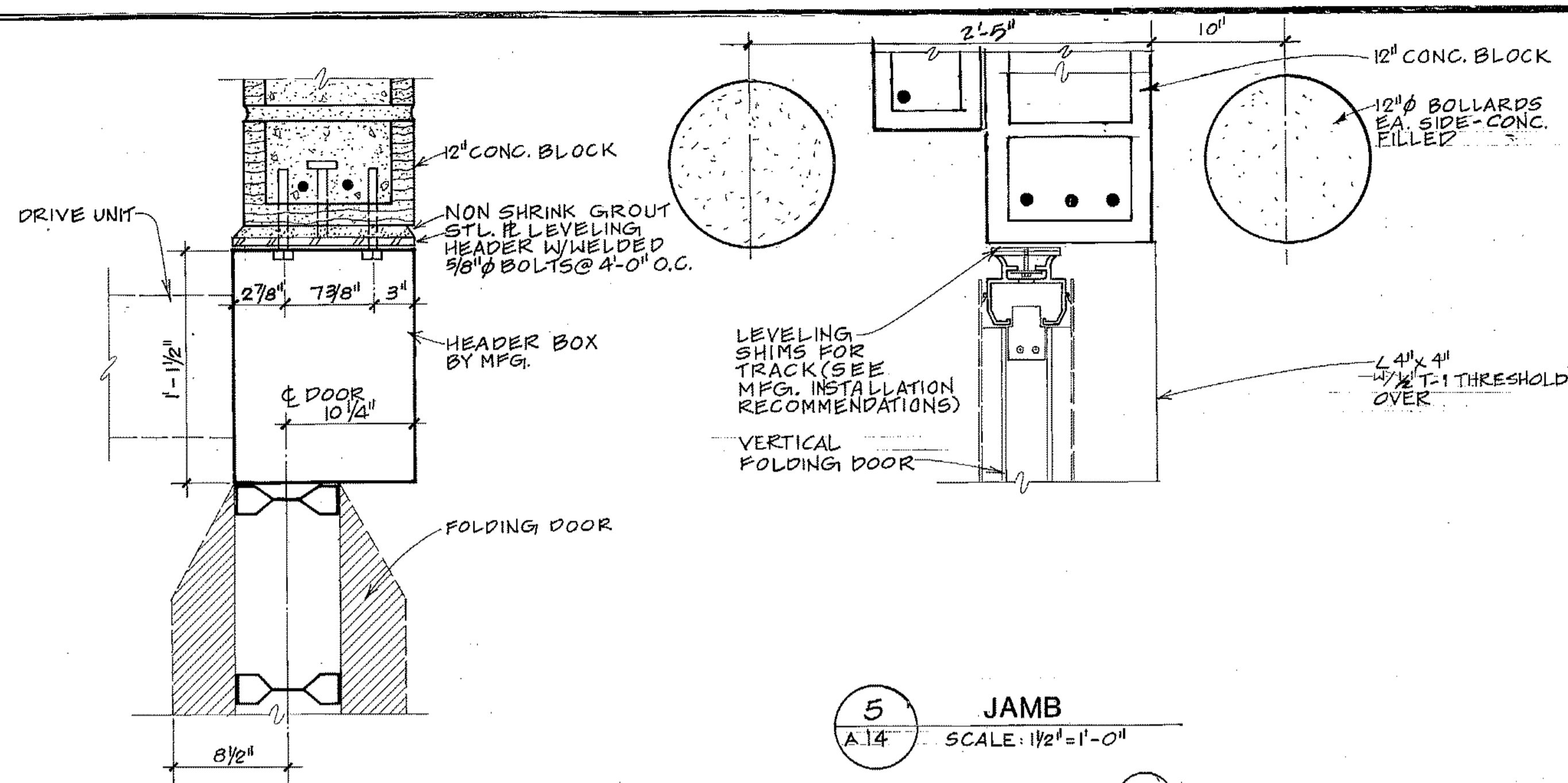
LEF A14



2 THRESHOLD
A14 SCALE: 3/4"=1'-0"

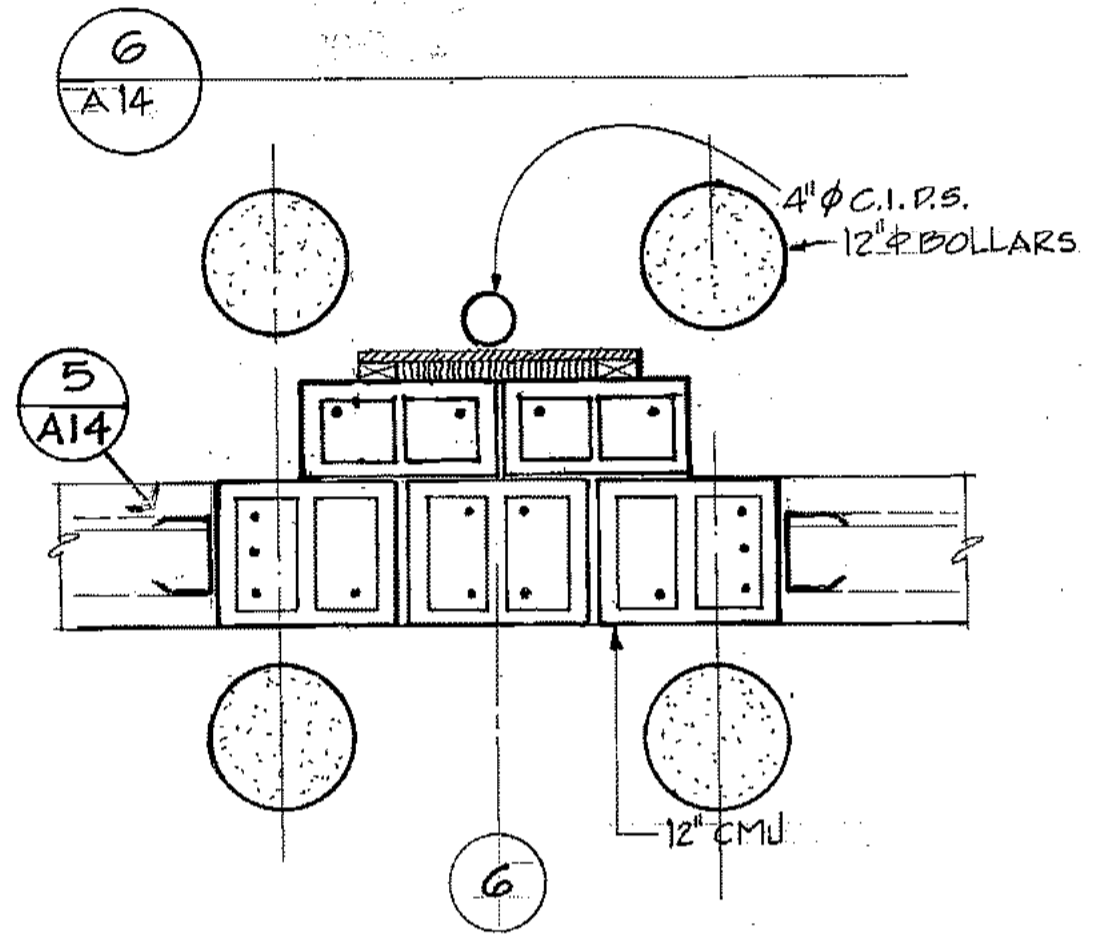


3 JAMB
A14 SCALE: 3/4"=1'-0"

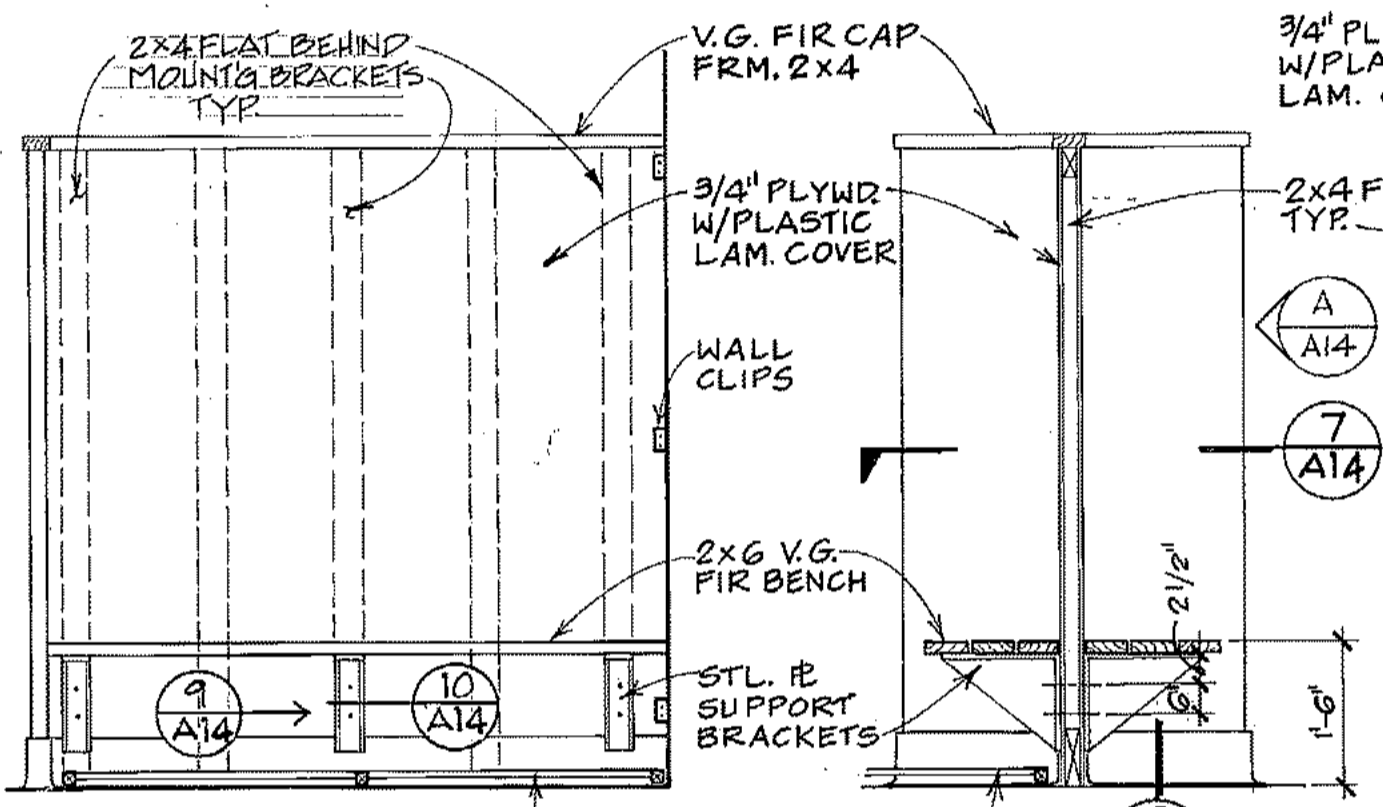


4 HEAD
A14 SCALE: 1 1/2"=1'-0"

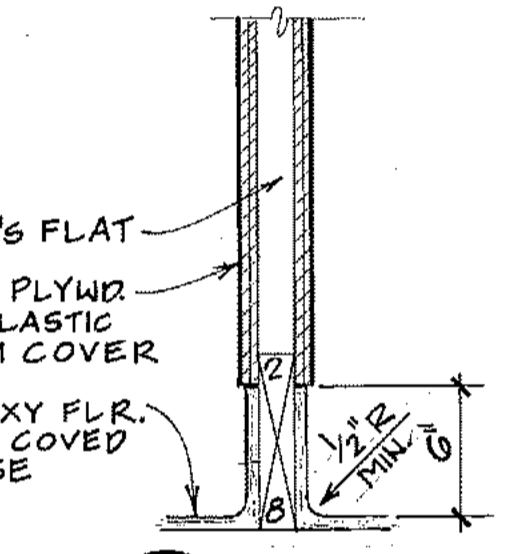
5 JAMB
A14 SCALE: 1 1/2"=1'-0"



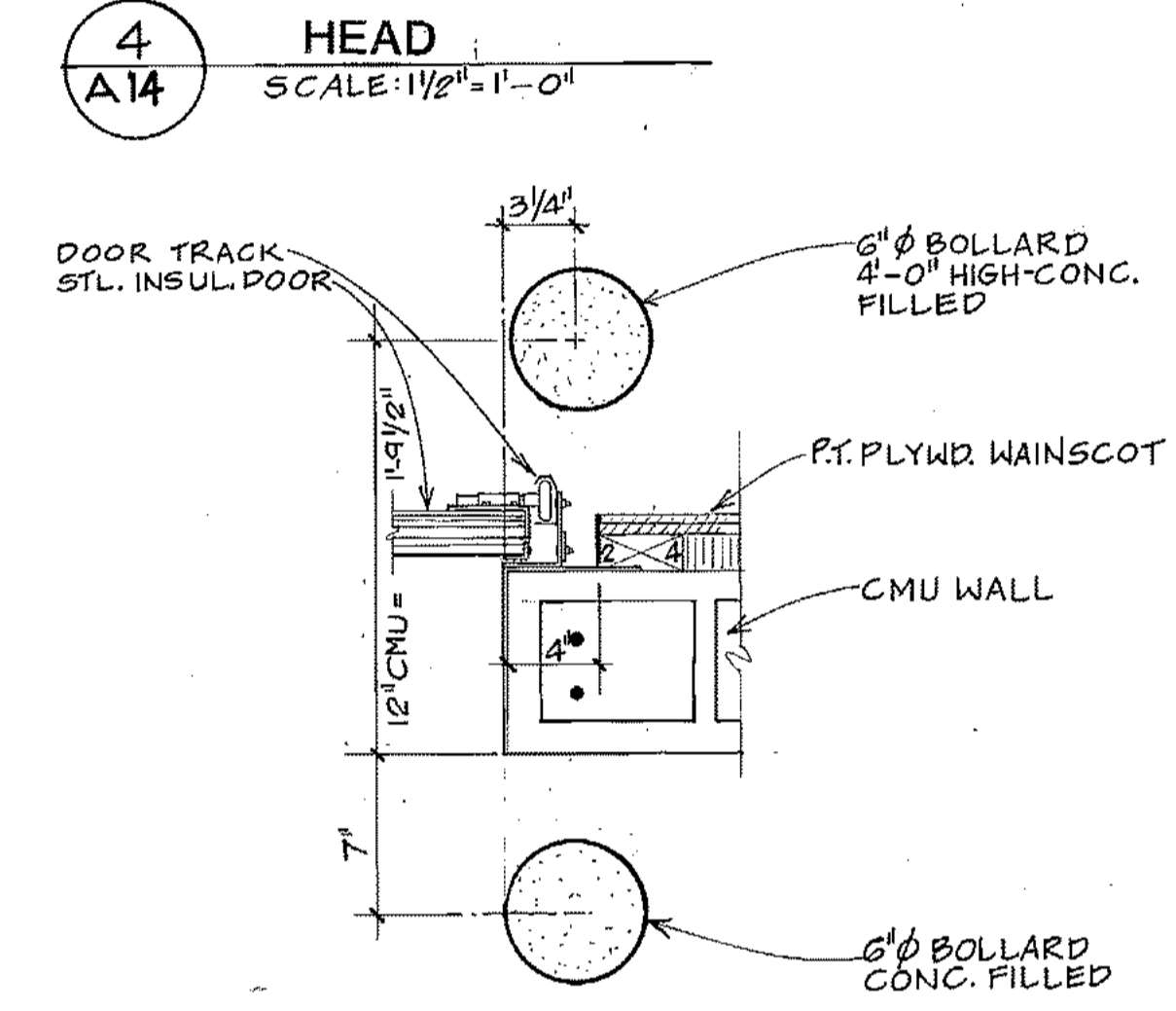
14 JAMB
A14 SCALE: 3/4"=1'-0"



7 DETAIL
A14 SCALE: 3/4"=1'-0"

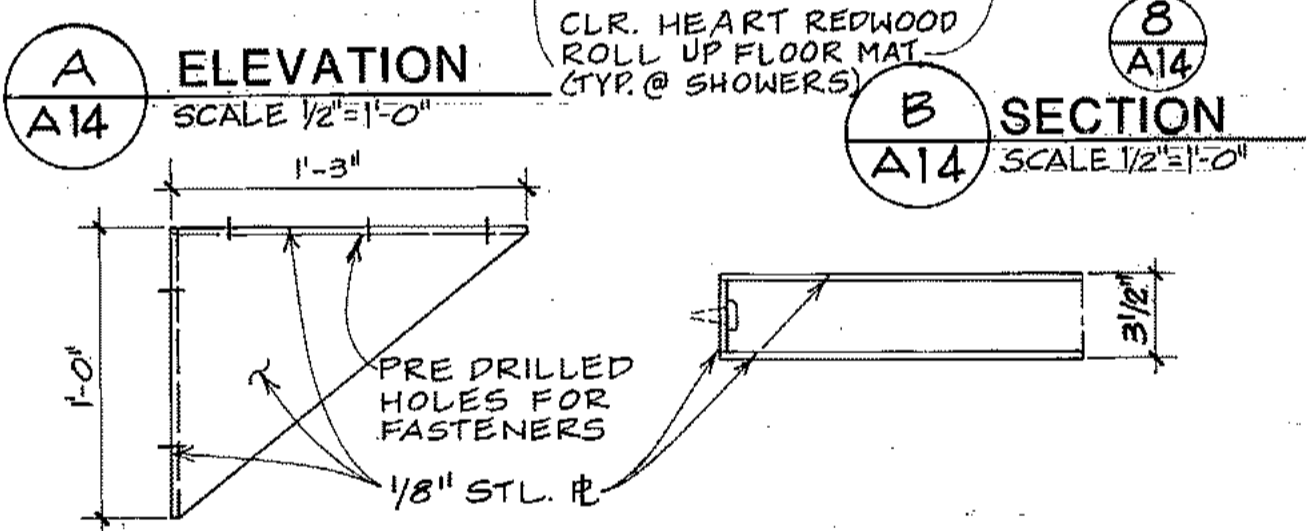


8 DETAIL
A14 SCALE: 1 1/2"=1'-0"



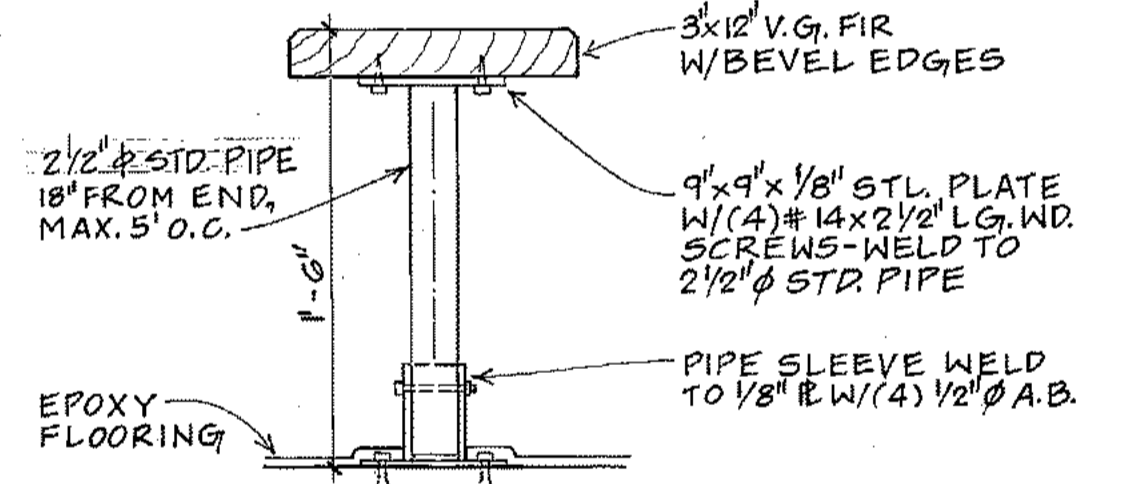
12 JAMB
A14 SCALE: 1 1/2"=1'-0"

13 JAMB
A14 SCALE: 3/4"=1'-0"

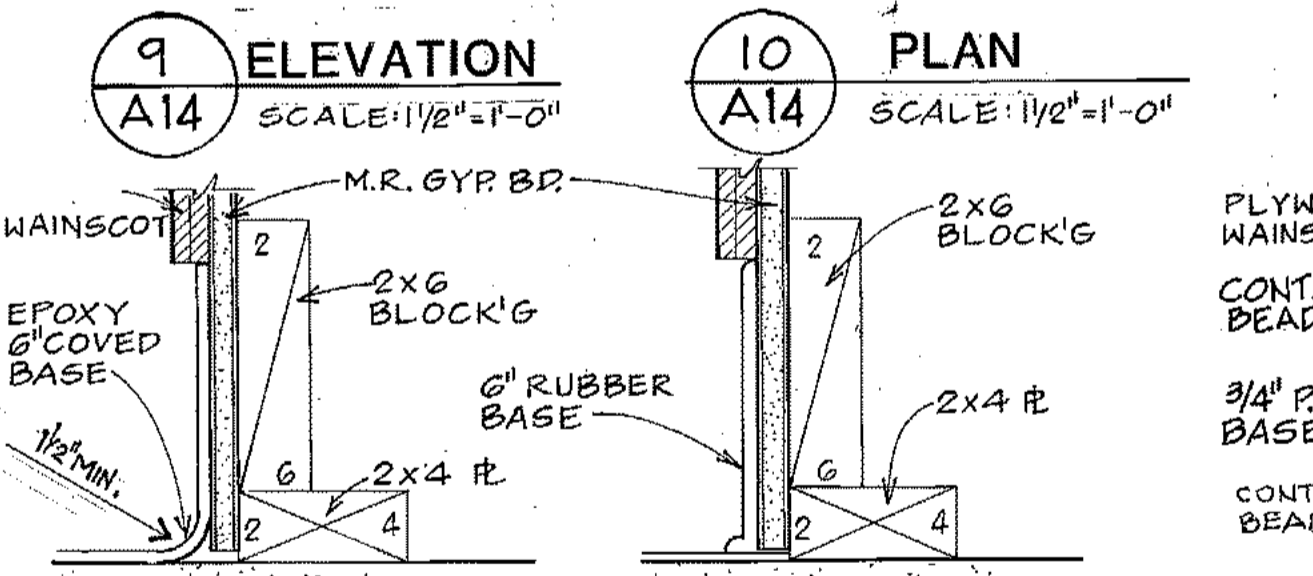


9 ELEVATION
A14 SCALE: 1/2"=1'-0"

10 PLAN
A14 SCALE: 1 1/2"=1'-0"

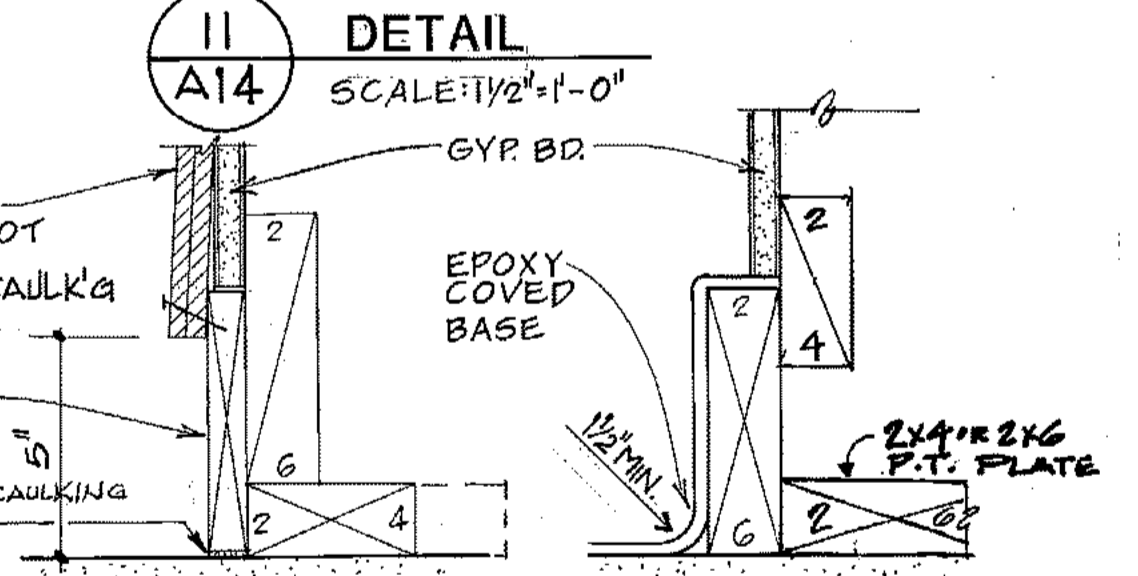


11 DETAIL
A14 SCALE: 1 1/2"=1'-0"



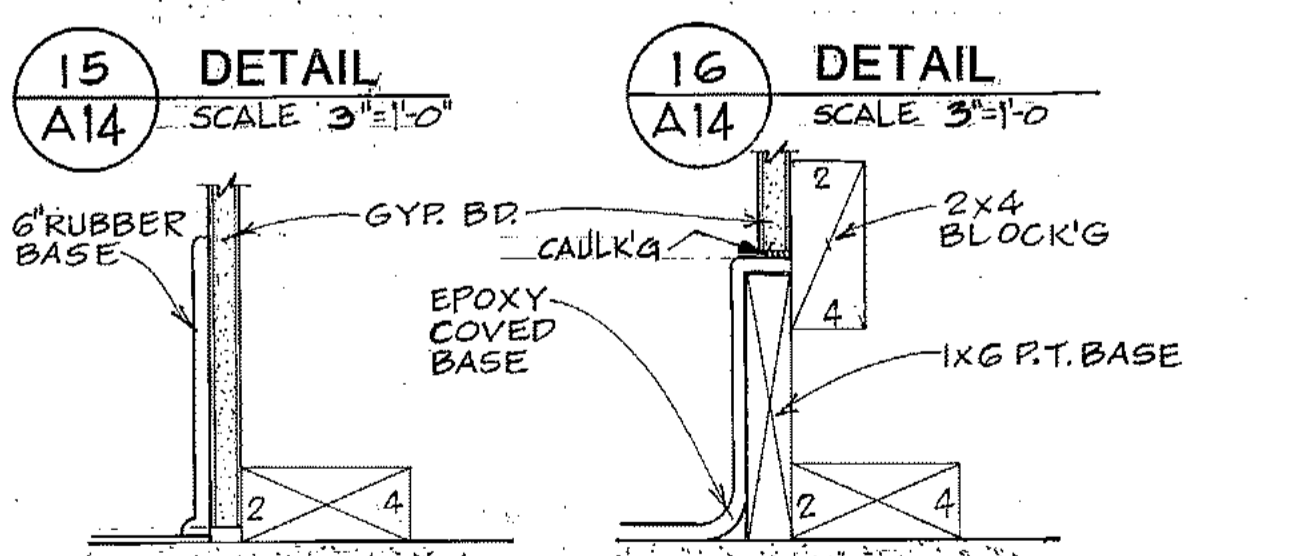
15 DETAIL
A14 SCALE: 3"=1'-0"

16 DETAIL
A14 SCALE: 3"=1'-0"



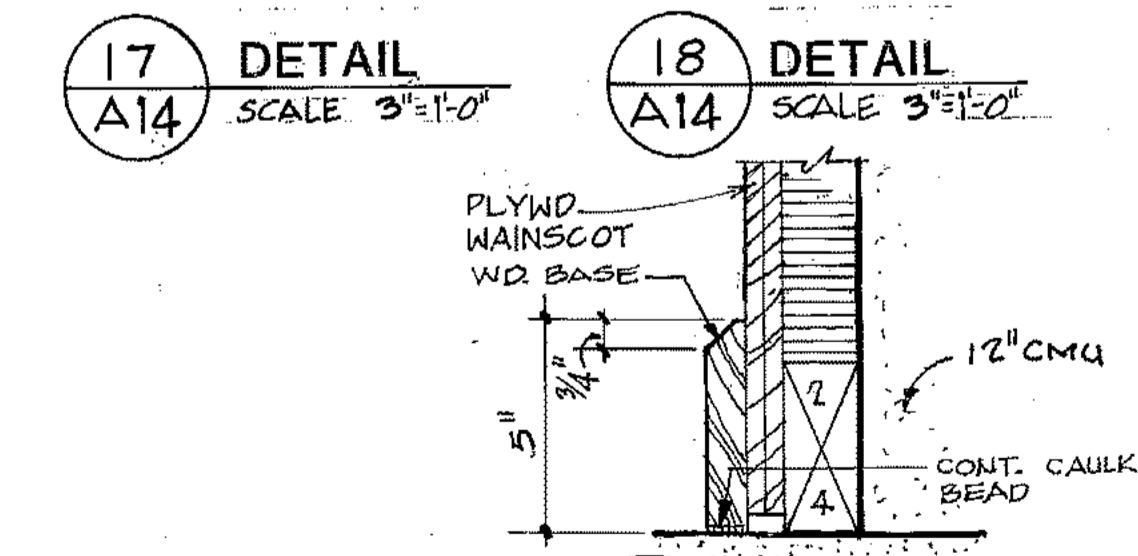
17 DETAIL
A14 SCALE: 3"=1'-0"

18 DETAIL
A14 SCALE: 3"=1'-0"

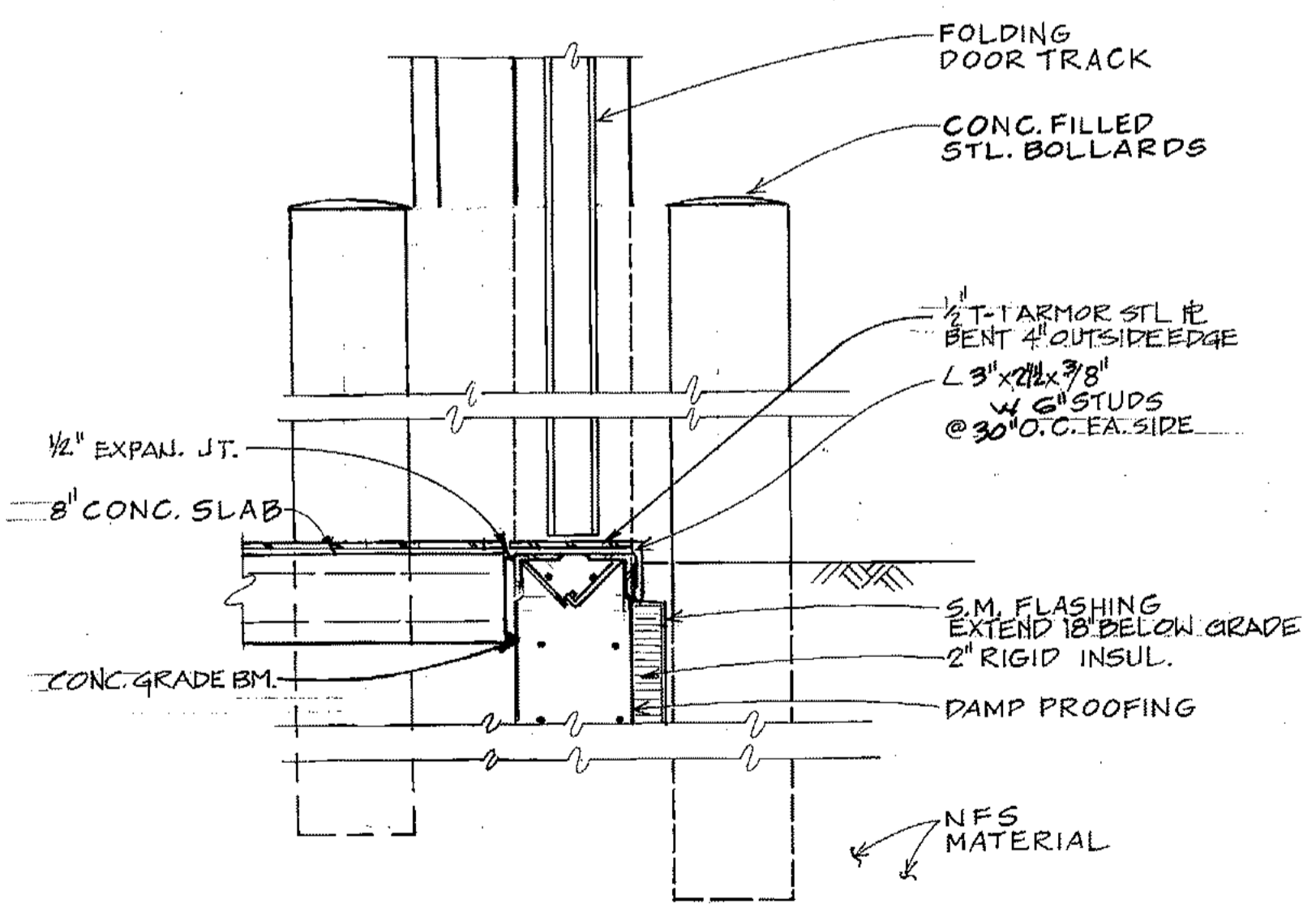


19 DETAIL
A14 SCALE: 3"=1'-0"

20 DETAIL
A14 SCALE: 3"=1'-0"



21 DETAIL
A14 SCALE: 3"=1'-0"

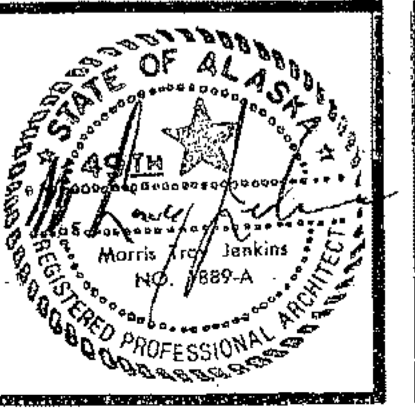


22 JAMB
A14 SCALE: 1 1/2"=1'-0"

23 THRESHOLD
A14 SCALE: 3/4"=1'-0"

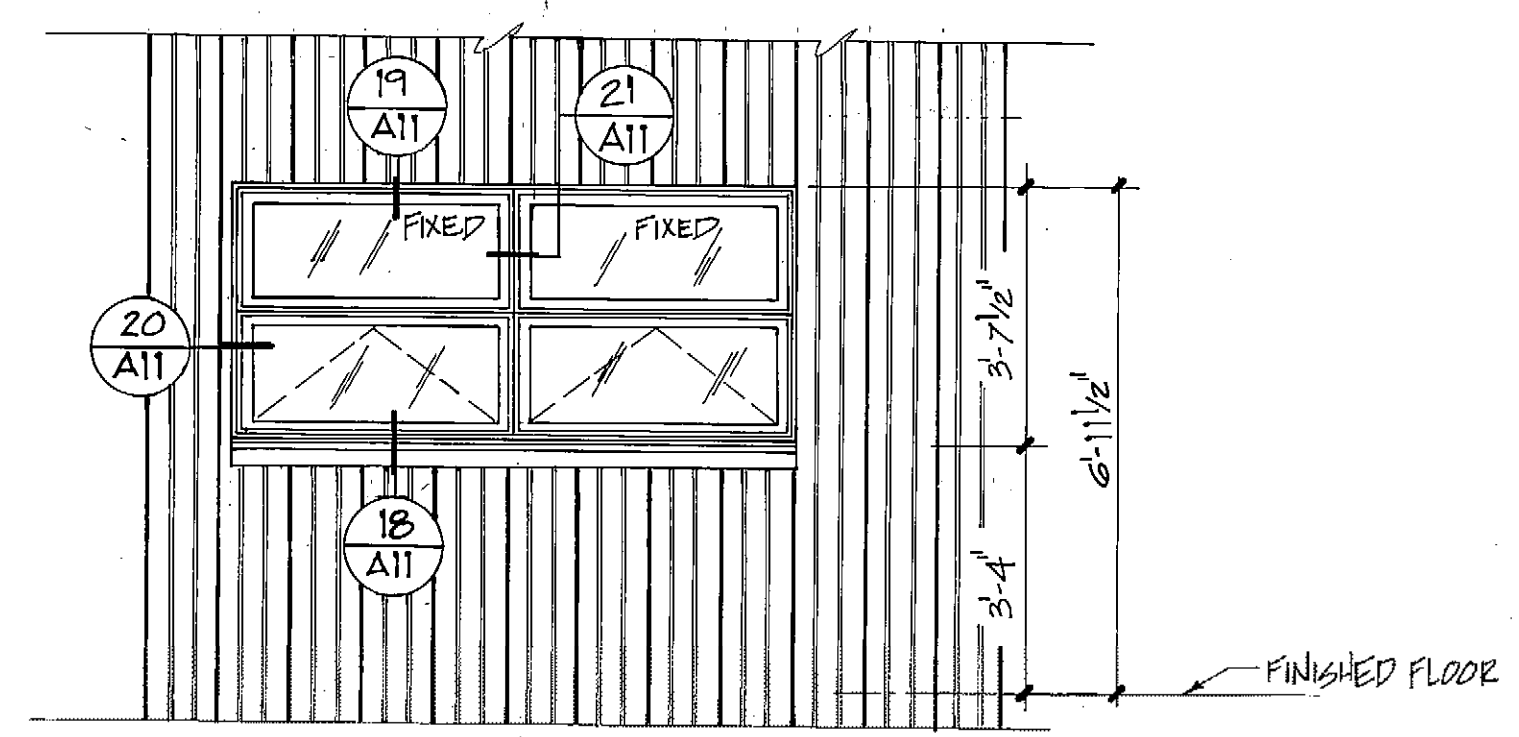
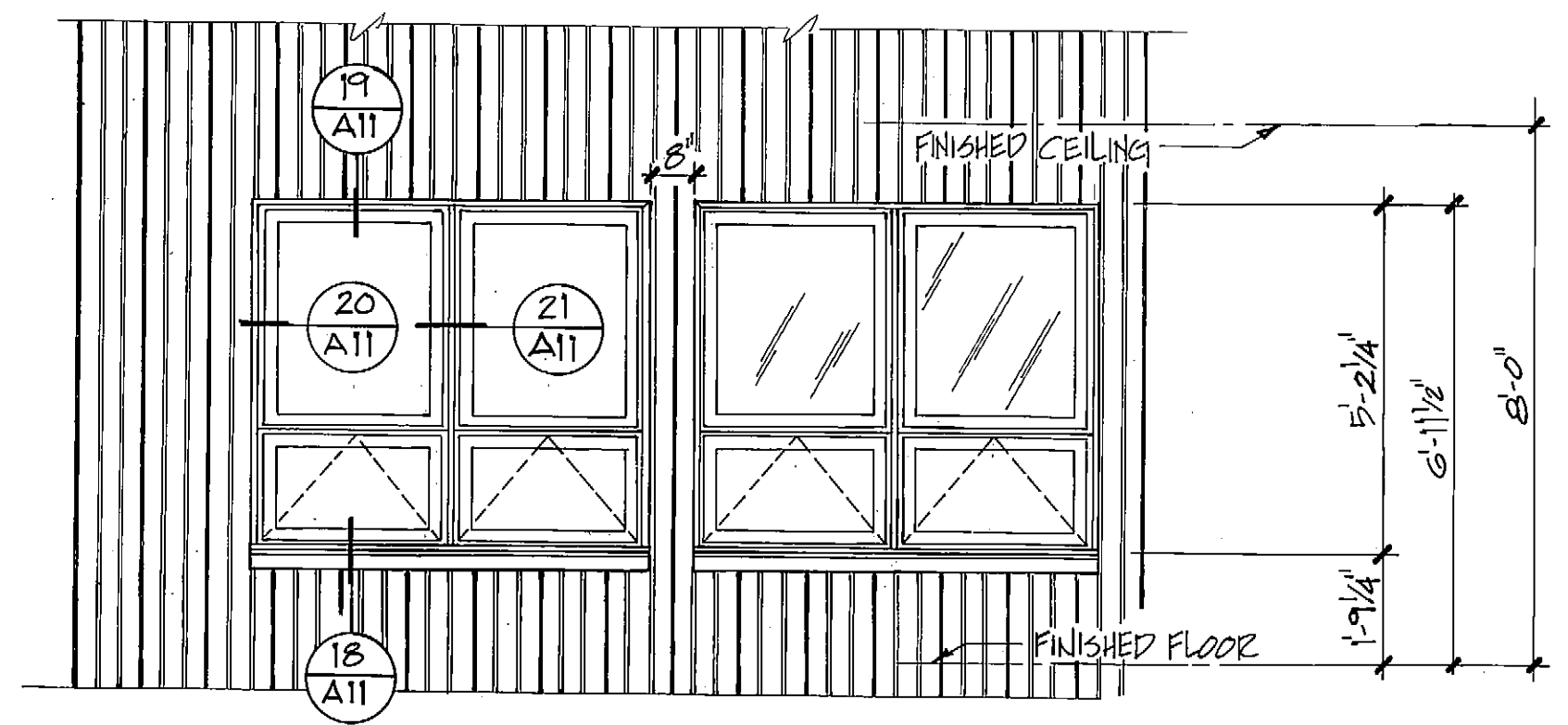
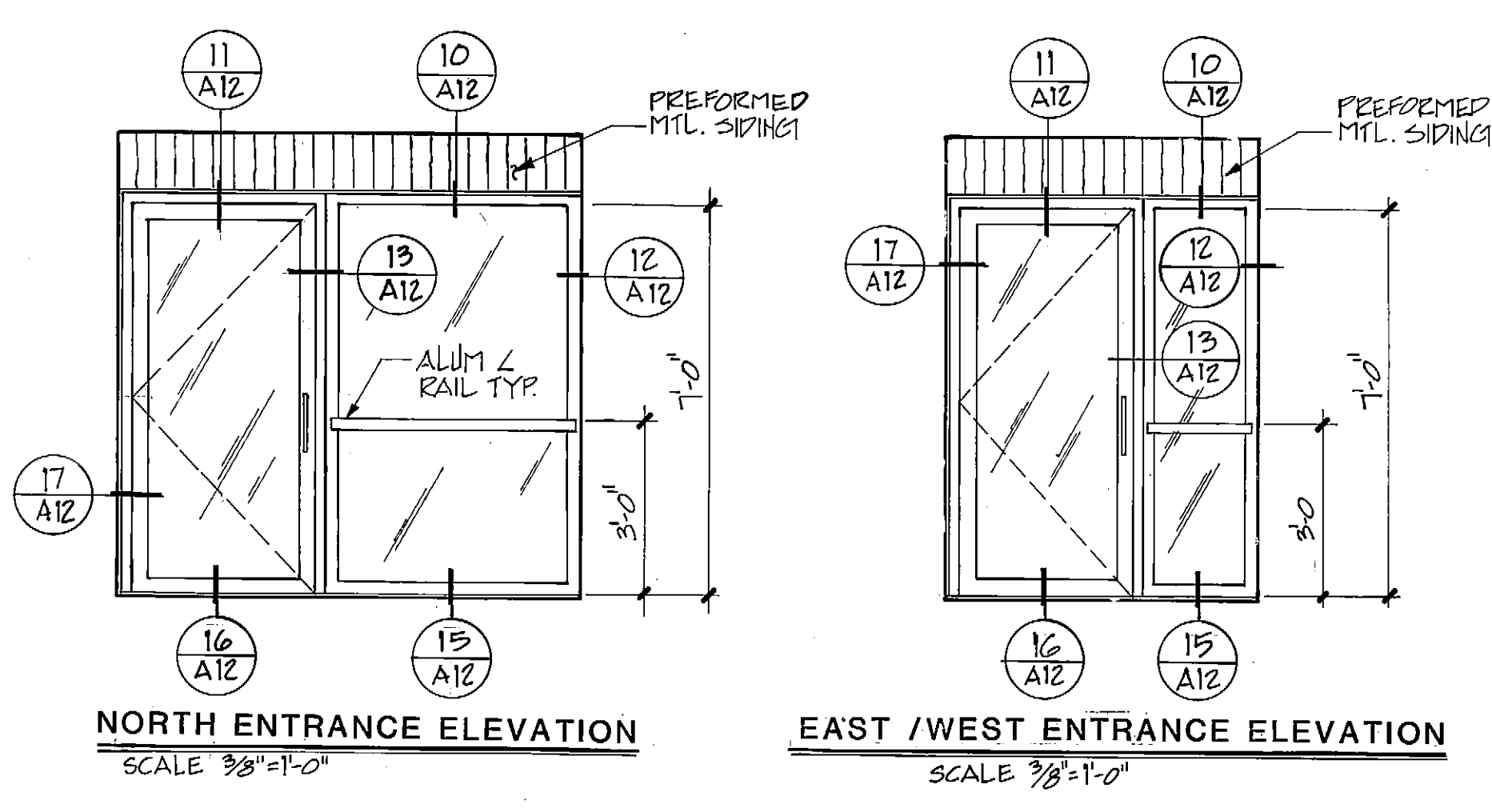
PROJECT NO. 86-010-02 MOA
 DESIGNED : RBM.
 DRAWN : VMS
 CHECKED :
 DATE : FEB. 24, 1987
 SCALE : AS NOTED

NO.	REVISION	DATE	BY

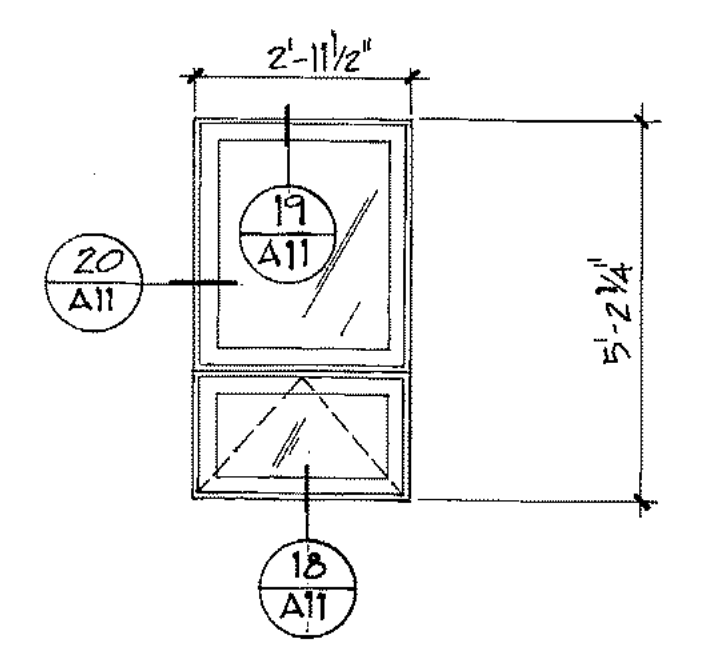


SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
**MISCELLANEOUS DETAILS,
 DOOR DETAILS**

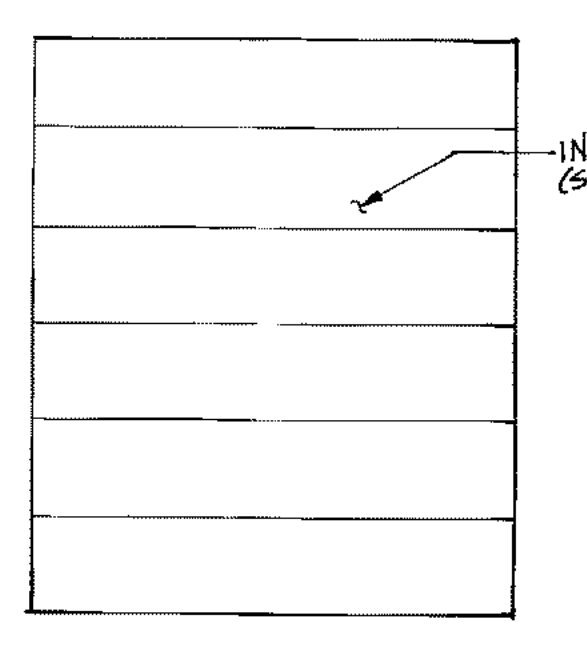
Landfill Entr. Fac.
 Draw: W. H. E. / Elev. / Door Types / Room Types / S.A.
 A-15



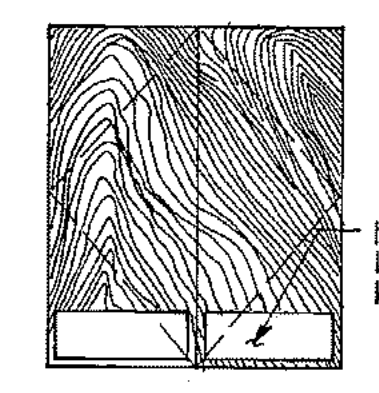
WINDOW ELEVATION TYPE B
SCALE 3/8"=1'-0"



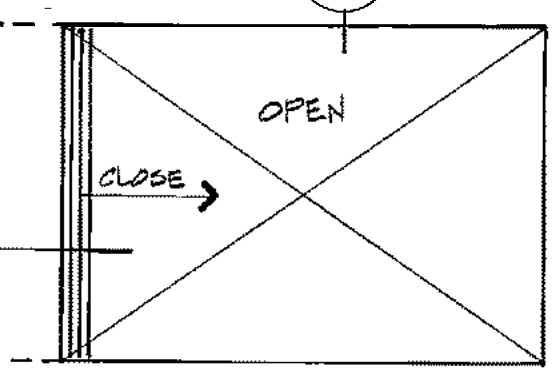
WINDOW ELEVATION TYPE C
SCALE 3/8"=1'-0"



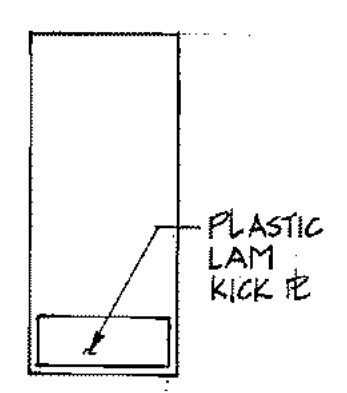
TYPE H



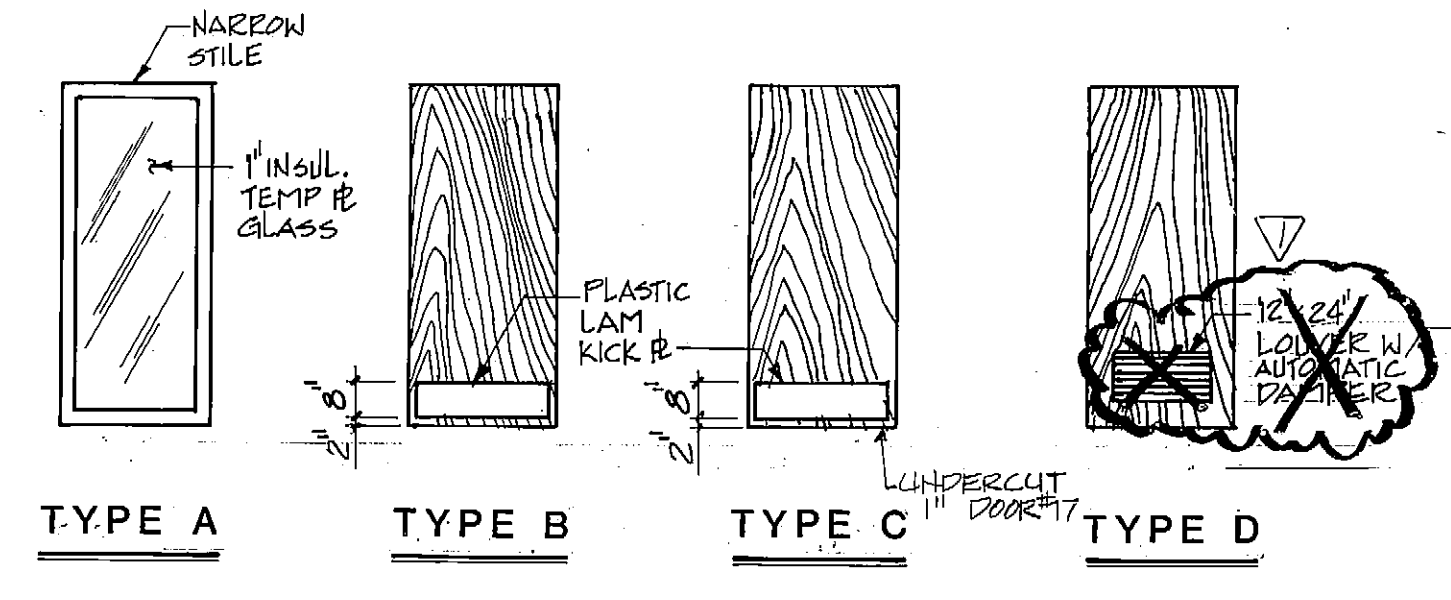
TYPE J



TYPE K



TYPE L

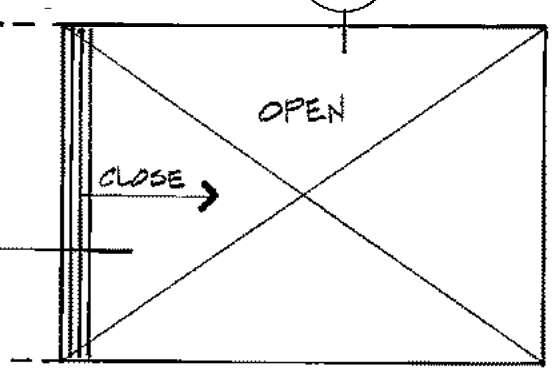


TYPE A

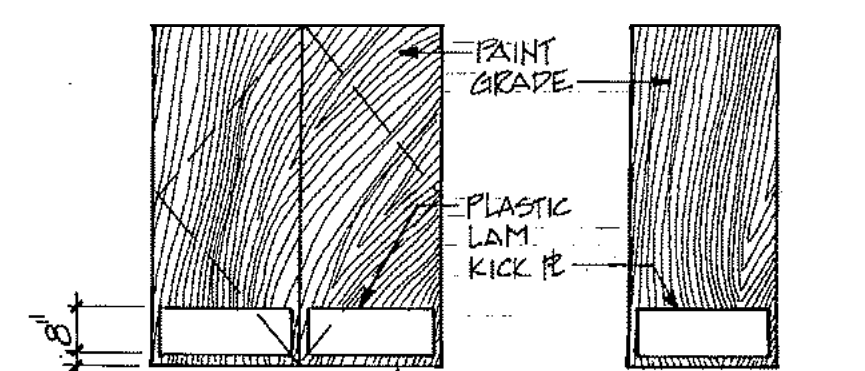
TYPE B

TYPE C

TYPE D



TYPE E



TYPE F

TYPE G

ROOM FINISH SCHEDULE

RM.#	ROOM	FLOOR MAT.	FLOOR FIN.	BASE	WALL WEST		WALL NORTH		WALL EAST		WALL SOUTH		WAINSCOT		CEILING MAT.	CEILING FIN.	REMARKS
					MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	HT.					
100	ENTRY	RUBBER TILE	FACTORY	G RUBBER	GYP BD 1-HR	PAINT IPS-2	GYP BD 1-HR	PAINT IPS-2	GYP BD 1-HR	PAINT IPS-2					SUSP ACoust. TILE 1-HR	CORTEGA 768 A	ALL WD. TRIM - SEMI TRANSPARENT STAIN
101	GENERAL OFFICE	SHEET VINYL	do	do	GYP BD	do	GYP BD	do	do	do	GYP BD	PAINT IPS-2		SUSP ACoust. TILE 1-HR	do	do	SEISMIC STRIPS AT SUSP. ACoust. TILE CEILING
102	OFFICE	do	do	do	do	do	do	do	do	do	GYP BD 1-HR	do		do	do	do	(19) TYP.
103	STORAGE	do	do	do	do	PAINT IPS-6	do	PAINT IPS-6	GYP BD	PAINT IPS-6	do	PAINT IPS-6		do	do	do	
104	OFFICE	do	do	do	do	PAINT IPS-2	do	PAINT IPS-2	do	PAINT IPS-2	do	PAINT IPS-2		do	do	do	
105	OFFICE	do	do	do	do	do	do	do	do	do	GYP BD	do		do	do	do	
106	CORRIDOR	RUBBER TILE	do	do	GYP BD 1-HR	do	GYP BD 1-HR	do	GYP BD 1-HR	do	GYP BD 1-HR	do		SUSP TILE	CORTEGA 768 A	(19) TYP.	
107	MECHANICAL	CONC.	SEAMLESS EPOXY COATG	G COVER	GYP BD	PAINT IPS-2	do	PAINT IPS-2	do	PAINT IPS-2				GYP BD 1-HR	PAINT IPS-2		
108	ELECTRICAL	do	do	do	do	do	do	do	do	do	GYP BD	PAINT IPS-6		do	do	do	(18) (20) TYP.
109	WELDING	do	SEALER	G RUBBER	do	do	GYP BD	PAINT IPS-2	do	do	C.M.U.	PAINT IPS-1		do	do	do	(18) TYP.
110	STORAGE	SHEET VINYL	FACTORY	do	GYP BD 1-HR	do	do	do	GYP BD	do	do	do		do	do	do	
111	STORAGE	do	do	do	do	do	GYP BD 1-HR	do	do	do	GYP BD	PAINT IPS-2		do	do	do	
112	MEN	CONC.	SEAMLESS EPOXY COATING	G COVER	GYP BD	PAINT IPS-2	GYP BD	PAINT IPS-2	GYP BD 1-HR	PAINT IPS-2	C.M.U.	PAINT IPS-1	PLASTIC LAM. PNL	4 FT	do	PAINT IPS-2	M.R. GYP BD ON ALL WALLS AROUND WET AREAS TYPICAL
113	MEN'S LOCKER	do	do	do	do	do	GYP BD	do	do	do	GYP BD	PAINT IPS-2	do	4 FT	do	do	
114	CORRIDOR	RUBBER TILE	FACTORY	G RUBBER	GYP BD 1-HR	PAINT IPS-2			do	PAINT IPS-2	GYP BD	PAINT IPS-2				CORTEGA 768 A	
115	OIL	CONC.	SEALER	G P.T. WD.	do	PAINT IPS-6	GYP BD	PAINT IPS-6	GYP BD	PAINT IPS-6	C.M.U.	PAINT IPS-1	STAIN PLYWD	F.H.	GYP BD	PAINT	(17) (21) TYP.
116	WOMEN	do	SEAMLESS EPOXY COATG	G COVER	do	PAINT IPS-2	do	PAINT	do	PAINT IPS-2	GYP BD	PAINT IPS-2	PLASTIC LAM. PNL	4 FT	do	do	
117	WOMEN'S LOCKER	do	do	do	GYP BD	do	do	do	do	do	do	do	do	4 FT	do	do	
118	LAB	RUBBER TILE	FACTORY	G RUBBER	GYP BD 1-HR	do	GYP BD 1-HR	do	do	do	do	do				CORTEGA 768 A	
119	STAFF LOUNGE	SHEET VINYL	do	do	GYP BD	PAINT IPS-2	GYP BD	PAINT IPS-2	do	PAINT IPS-2	GYP BD 1-HR	PAINT IPS-2			SUSP ACoust. TILE 1-HR	ASSURED FIRE GUARD	(16) (19) TYP.
120	CONFERENCE	do	do	do	GYP BD 1-HR	do	do	do	do	do	GYP BD	do		do	do	do	(16) (19) TYP.
121	JANITOR	do	do	do	GYP BD	PAINT IPS-2	do	PAINT IPS-2	GYP BD	PAINT IPS-2	GYP BD 1-HR	PAINT IPS-2	PLASTIC LAM. PNL	4 FT	GYP BD	PAINT IPS-2	
122	RESTROOM	do	do	do	GYP BD 1-HR	do	do	do	do	do	do	do	do	4 FT	do	do	
123	MAINT. SHOP	CONC.	SEALER	G P.T. WD.	GYP BD	PAINT IPS-2	GYP BD 1-HR	PAINT IPS-2	GYP BD	PAINT IPS-2	GYP BD	PAINT IPS-2	STAIN PLYWD.	8'-0"	do	PAINT IPS-2	(21) TYP.
124	WARM STORAGE	do	do	do	GYP BD	do	GYP BD	do	do	do	GYP BD	do	STAIN PLYWD.	8'-0"	do	do	(21) TYP.

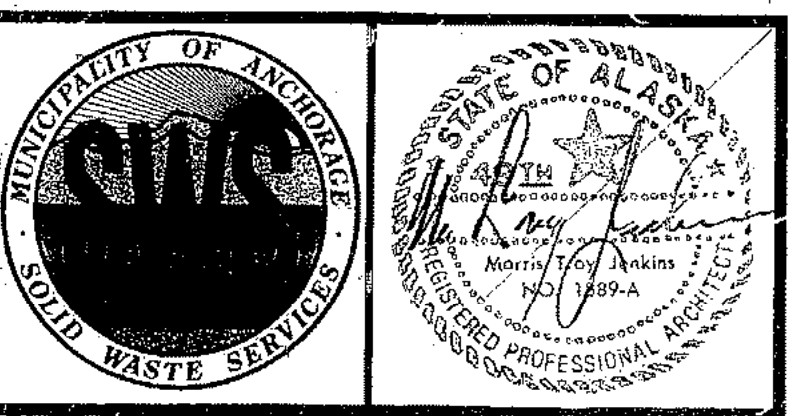
DOOR SCHEDULE

DOOR#	SIZE	TYPE	RATING	MATERIAL	FINISH	FRAME	FINISH	HDWR GROUP	REMARKS
1	32 x 72 x 1 3/4"	A		METAL	PAINT	METAL	PAINT	1	(11) (12) (16) (17) STORE FRONT. COLOR TO MATCH EXT. WINDOWS & SIDING
2	32 x 72 x 1 3/4"	B	UL 20 MIN.	SOLID CORE WOOD	STAIN	WOOD	STAIN FACTORY FIN.	2	(3) (7) (12)
3	32 x 72 x 1 3/4"	B		SOLID CORE WOOD	STAIN	WOOD	STAIN FACTORY FIN.	3	(4) (12)
4	32 x 72 x 1 3/4"	C	UL 20 MIN	SOLID CORE WOOD	PAINT	METAL	PAINT	5	(8) (7) (12)
5	28 x 72 x 1 3/4"	D	UL 3/4 HR	SOLID CORE WOOD	PAINT	METAL	PAINT	7	(8) (7) (12)
6	24 x 82 OPENING	E	UL 3/4 HR.	METAL/FABRIC	FACTORY	FACTORY	FACTORY	8	(1) (2) (3) (14) (14) (14)
7	PR. 32 x 72 x 1 3/4"	F		SOLID CORE WOOD	PAINT	WOOD	PAINT FACTORY FIN.	9	(4) (12)
8	32 x 72 x 1 3/4"	G	UL 1-HR	MINERAL CORE WOOD	PAINT	METAL	PAINT FACTORY FIN.	10	(4) (12)
9	PR. 32 x 72 x 1 3/4"	J	UL 1-HR	MINERAL CORE WOOD	PAINT	METAL	PAINT FACTORY FIN.	11	(5) (12)
10	PR. 28 x 72 x 1 3/4"	K		INSULATED HOLLOW METAL	PAINT	METAL	PAINT	12	(9) (14) (12)
11	32 x 72 x 1 3/4"	L		INSULATED HOLLOW METAL	PAINT	METAL	PAINT	13	(9) (14) (12)
12	12 x 23 OPENING	H		INSULATED HOLLOW METAL	PAINT	FACTORY	FACTORY	14	(6) (12) (25) SIM.
13	20 x 23 OPENING	H		METAL/FABRIC	FACTORY	FACTORY	FACTORY	14	(4) (5) (25) SIM.
14	12 x 16 OPENING	H		INSULATED HOLLOW METAL	PAINT	FACTORY	PAINT	14	(12) (25) SIM.
15	PR. 42 x 72 x 1 3/4"	J	UL 1-HR	MINERAL CORE WOOD	PAINT	METAL	PAINT	15	(8) (12)
16	32 x 72 x 1 3/4"	C	UL 20 MIN.	SOLID CORE WOOD	PAINT	METAL	PAINT FACTORY FIN.	4	(8) (12)
17	32 x 72 x 1 3/4"	C		SOLID CORE WOOD	PAINT	METAL	PAINT	5	(8) (12)

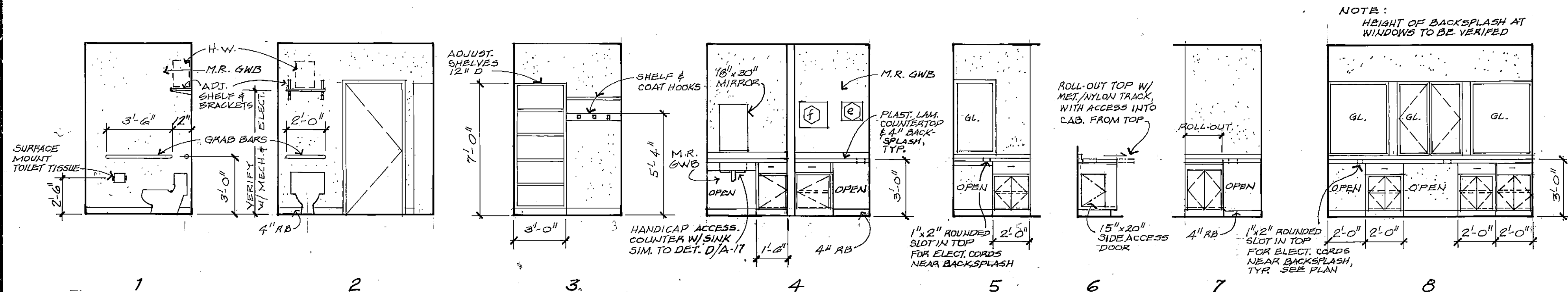
ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
 DESIGNED BY RBM
 DRAWN BY WAP
 CHECKED BY
 DATE FEB. 24, 1987
 SCALE 3/8"=1'-0" OR AS NOTED

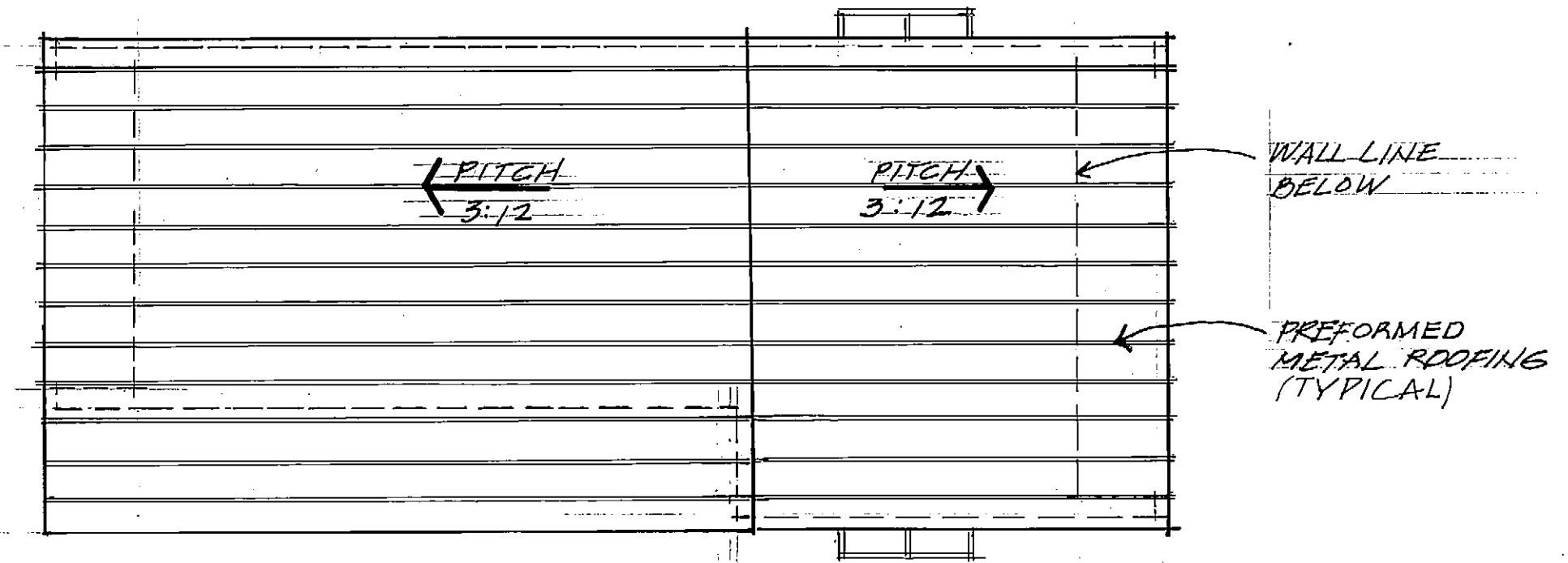
REMOVE LOUVER 5-5-87 WITH
 NO. REVISION DATE BY



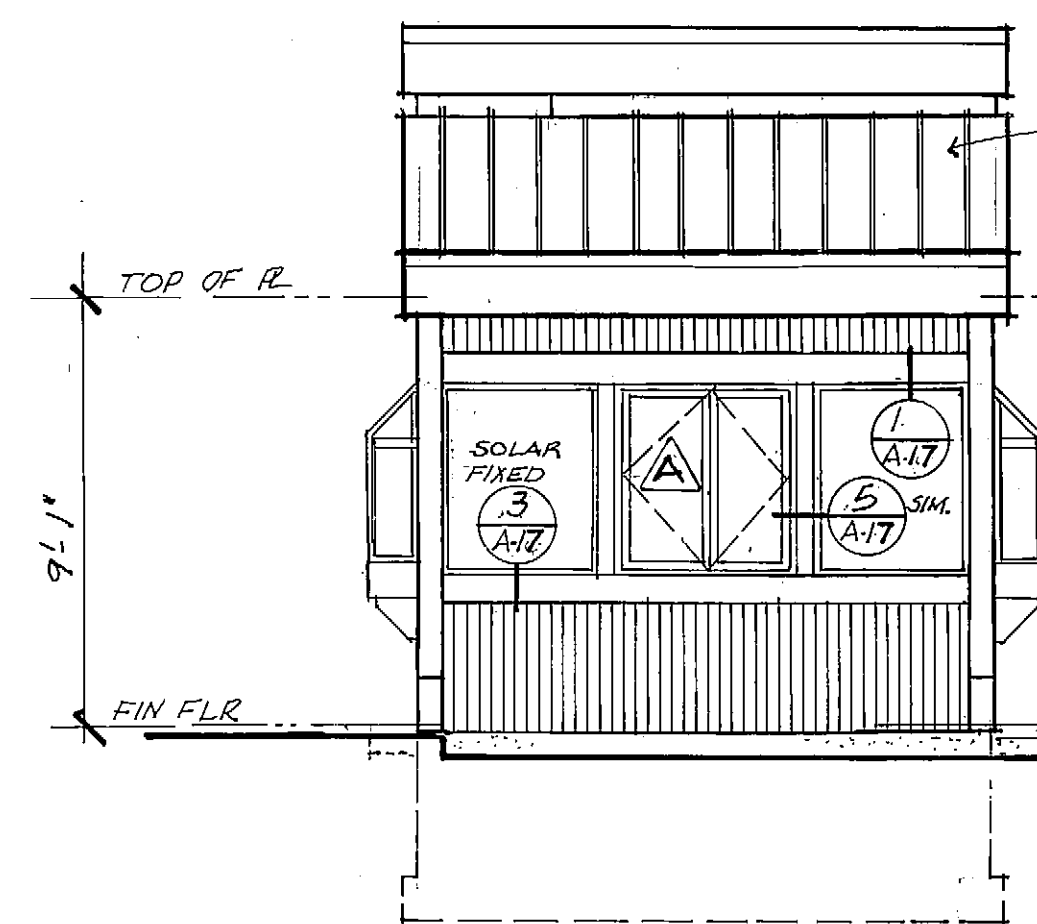
SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE ADMINISTRATION BUILDING
 DOOR & WINDOW ELEVATIONS,
 DOOR TYPES, ROOM FINISH SCHEDULES



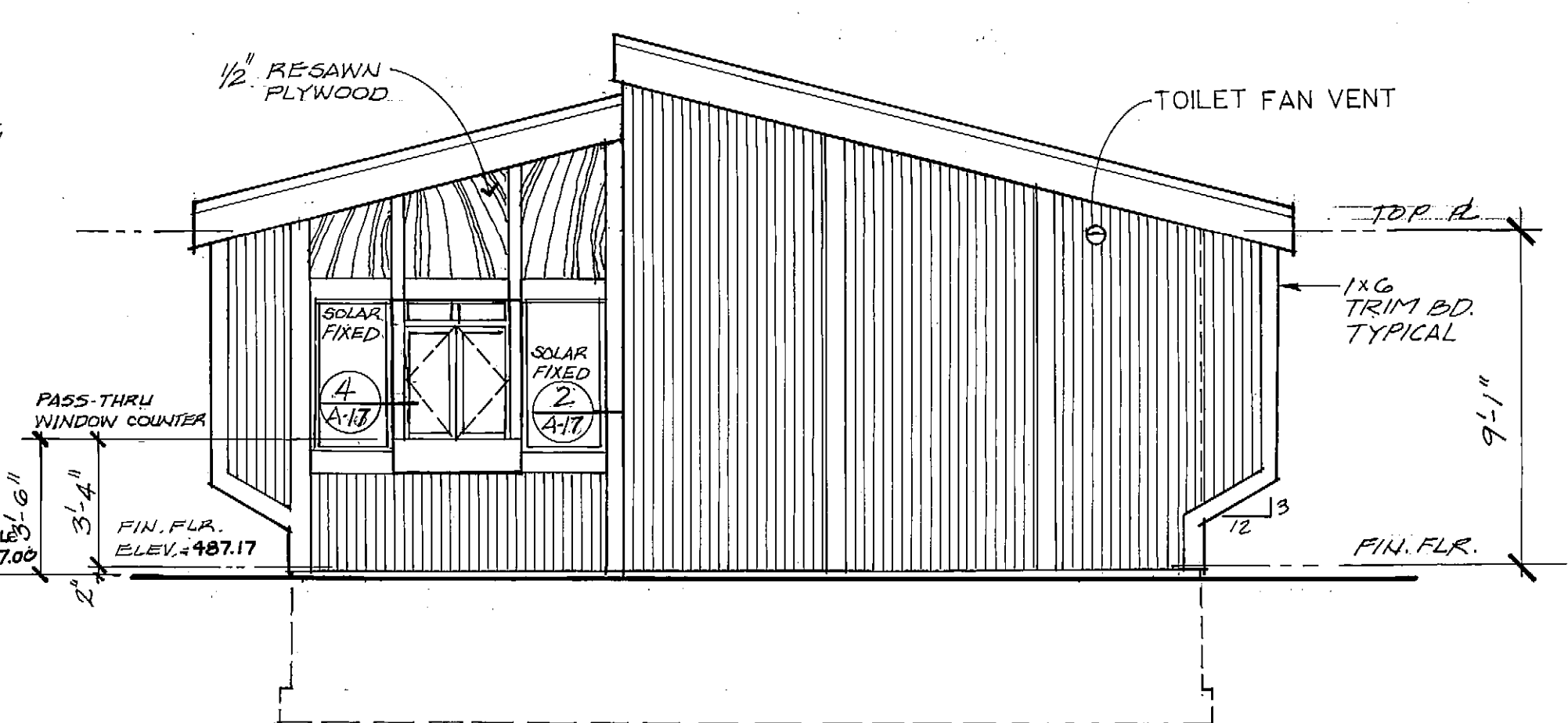
INTERIOR ELEVATIONS



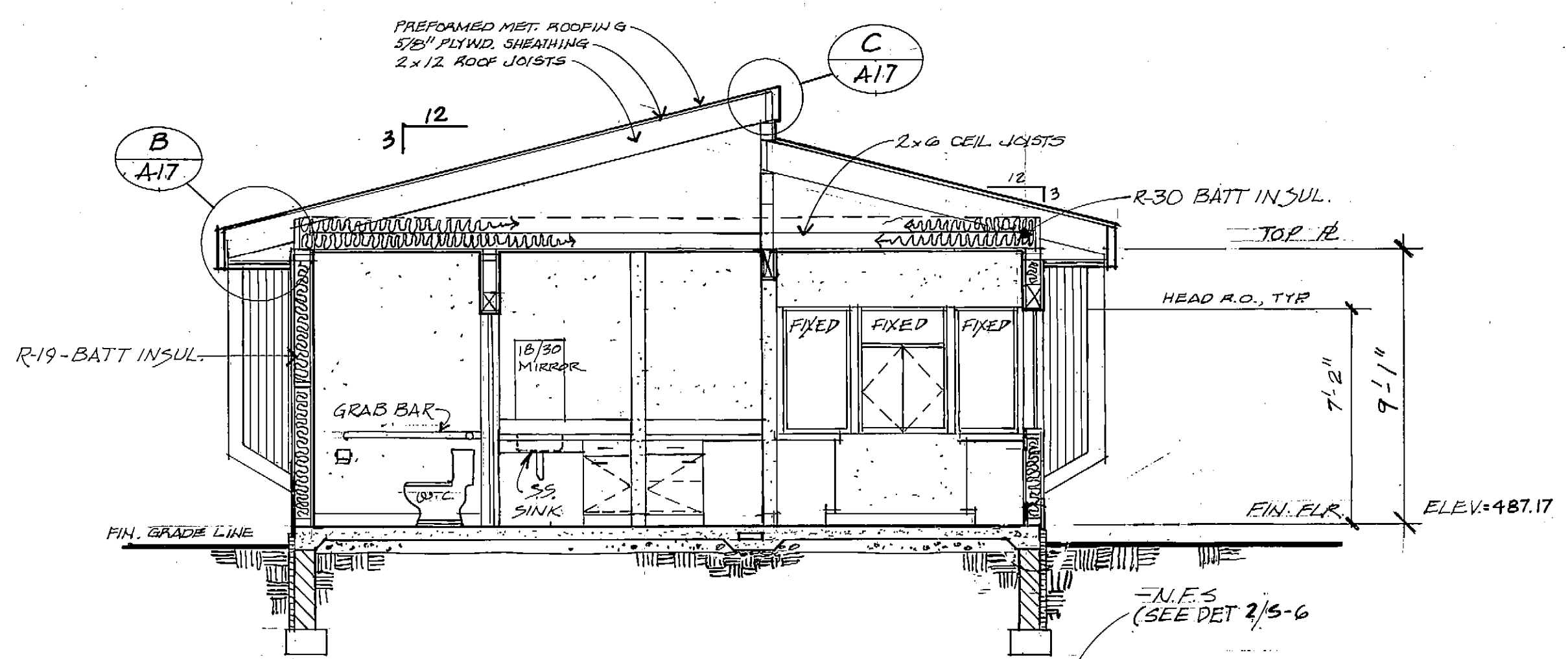
ROOF PLAN



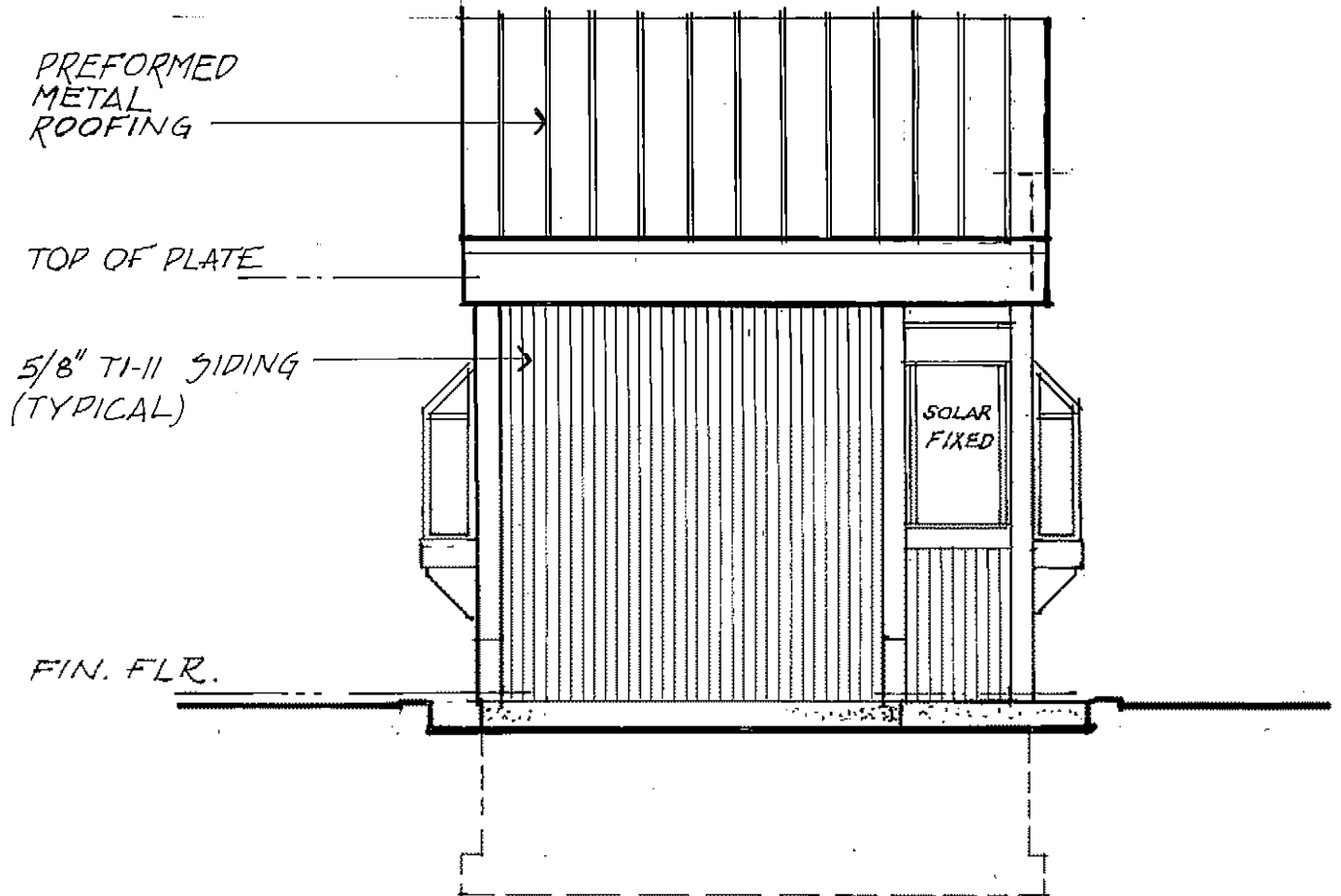
WEST ELEVATION



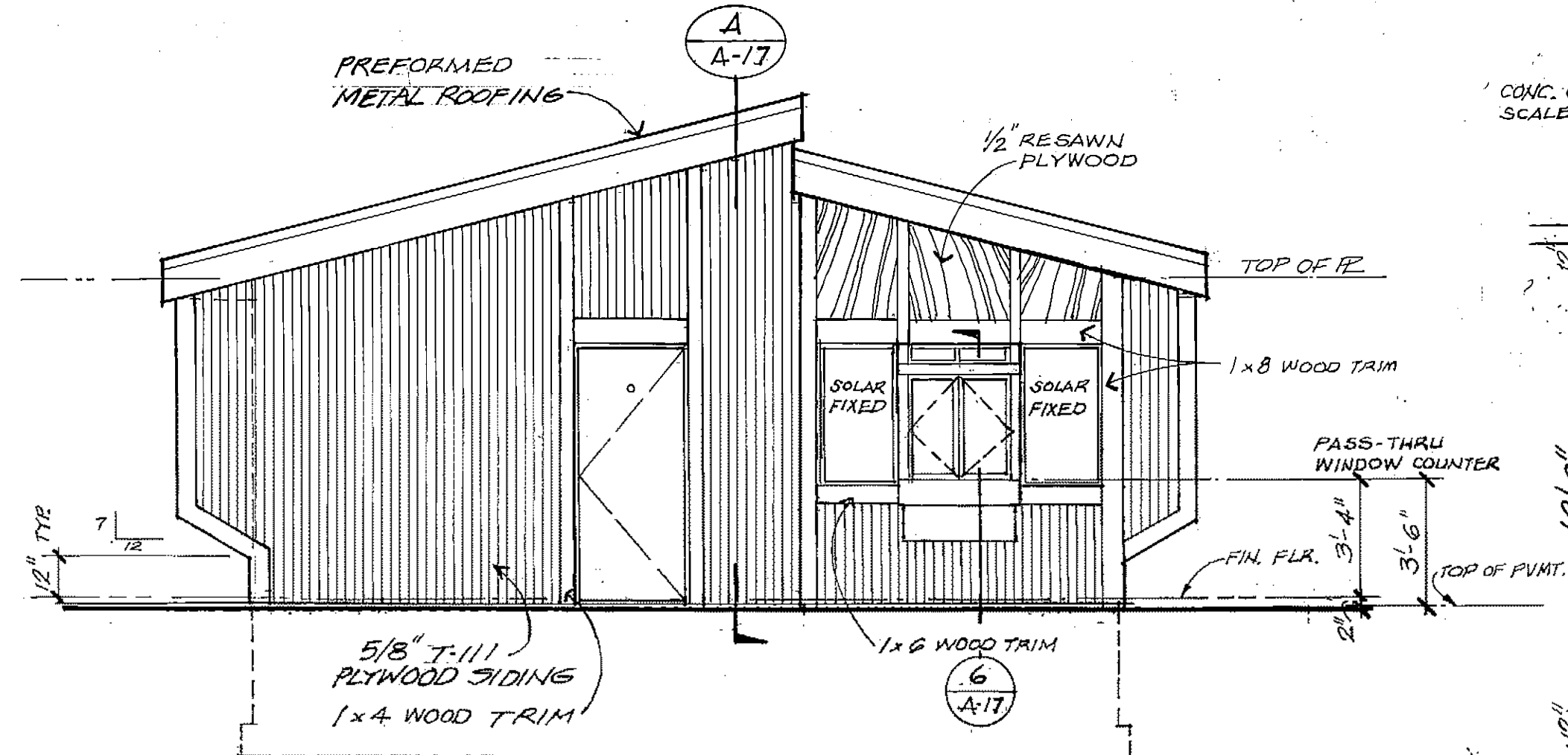
SOUTH ELEVATION



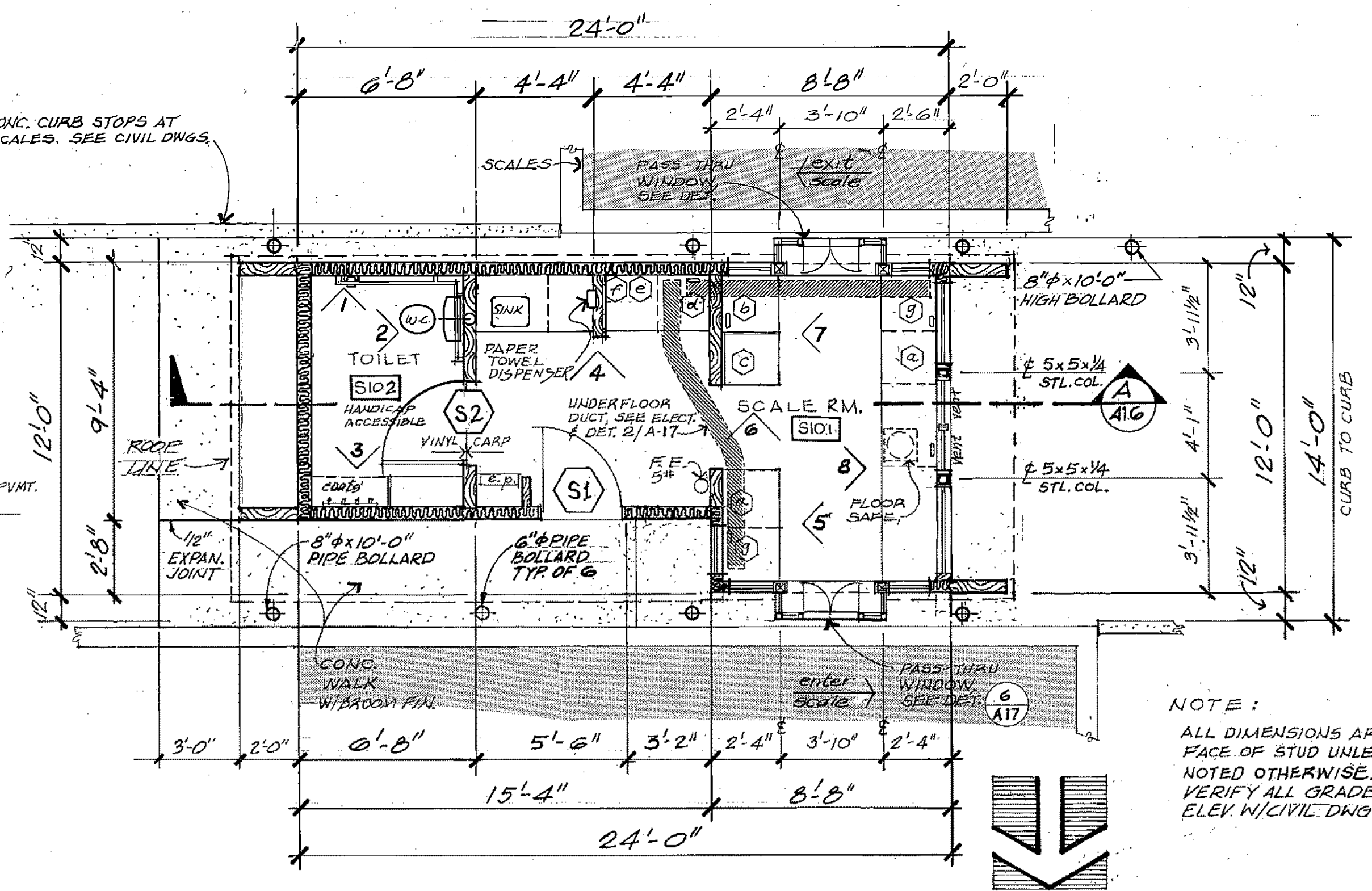
SECTION A-A



EAST ELEVATION



NORTH ELEVATION



FLOOR PLAN

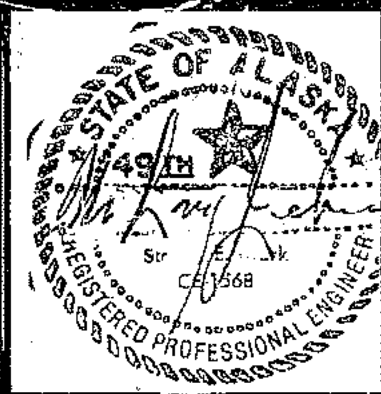
NOTE: ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE. VERIFY ALL GRADE ELEV. W/ CIVIL DWGS.



ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

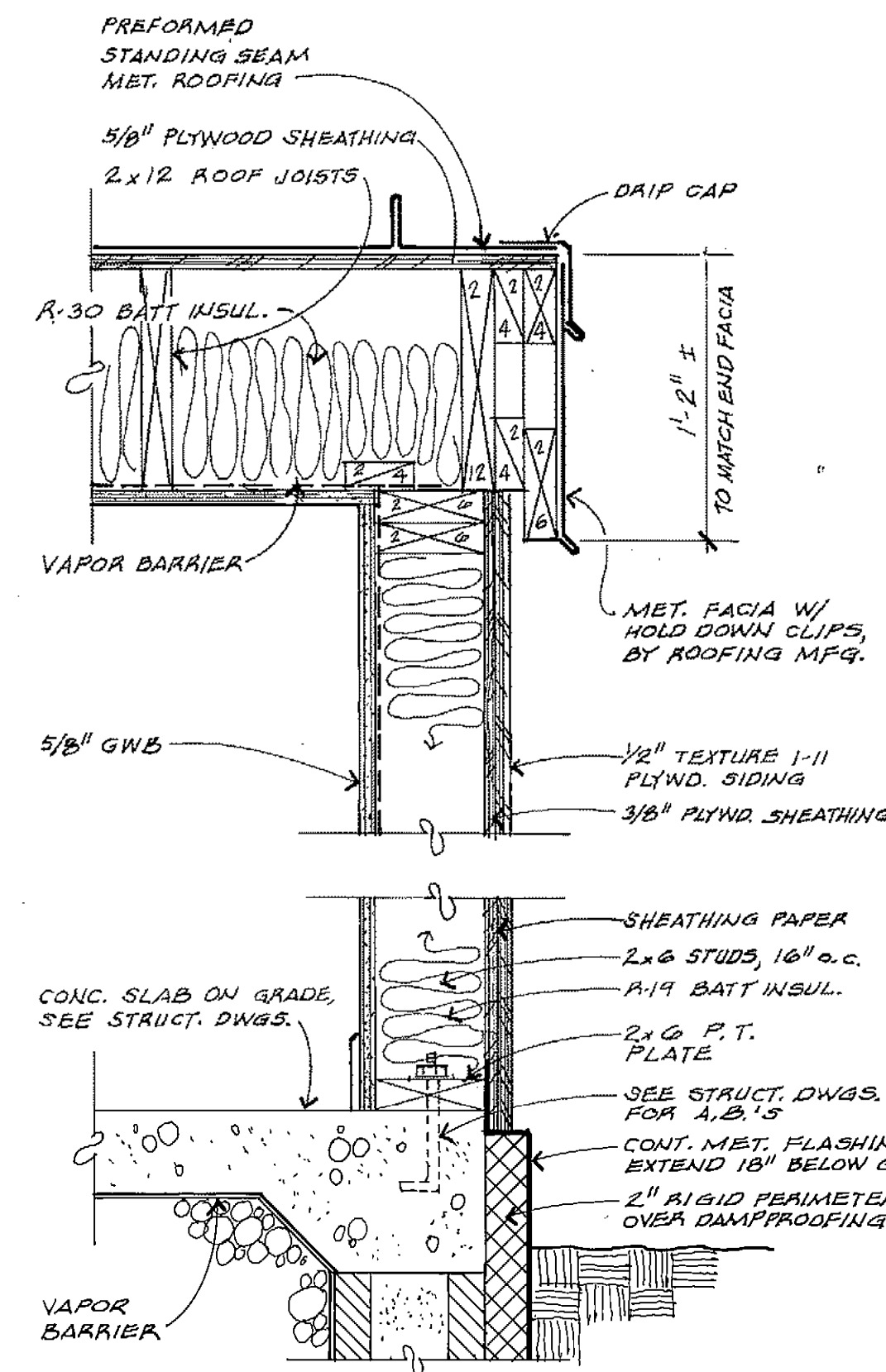
PROJECT NO. 86-010-02 MOA
 DESIGNED: J.S.
 DRAWN: R.D.L.
 CHECKED:
 DATE: FEB. 24, 1987
 SCALE: 1/4" = 1'-0"

NO.	REVISION	DATE	BY

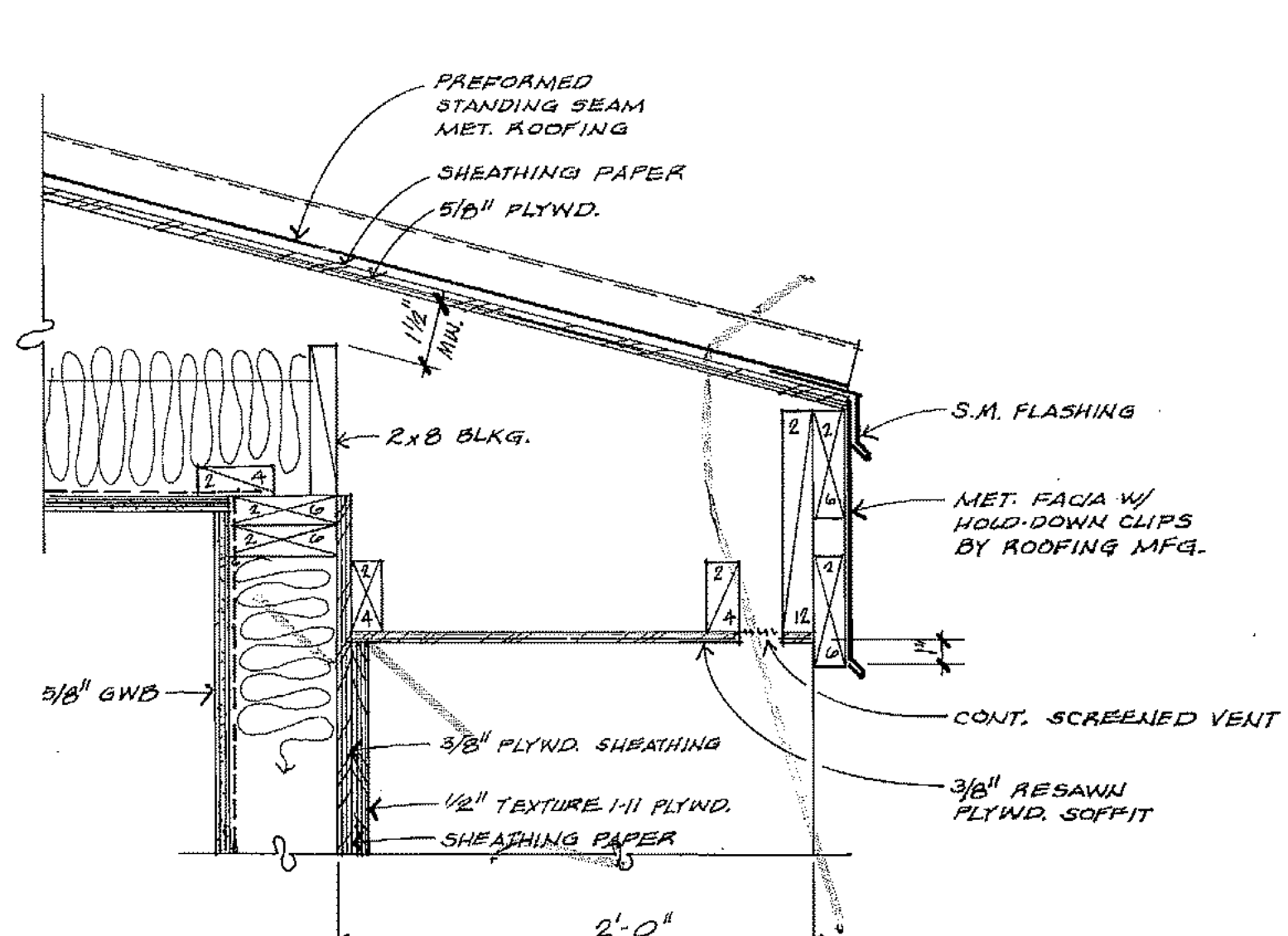


SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
SCALE HOUSE
 PLAN, ELEVATIONS, SECTION

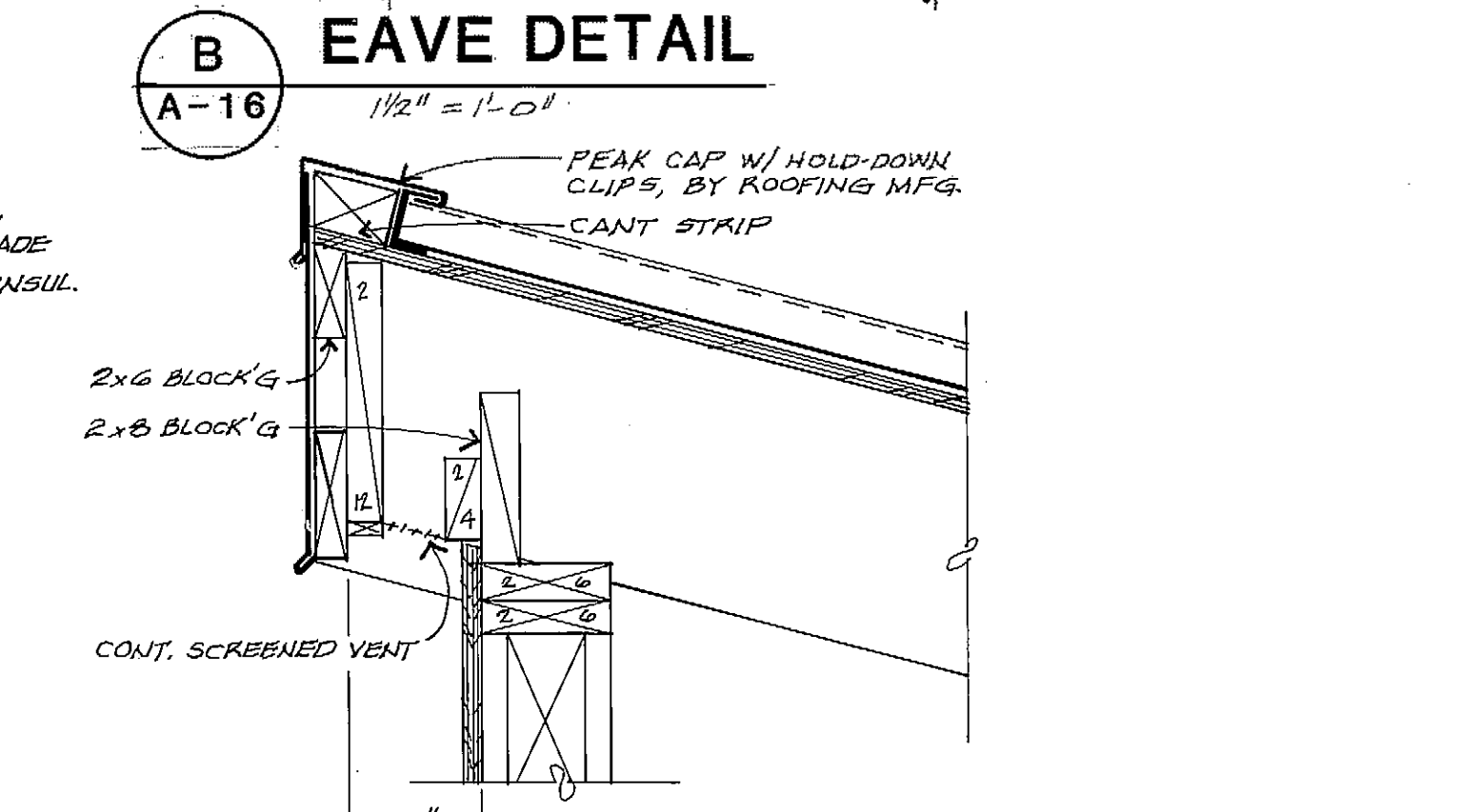
A-16
 SHEET 35 OF 85



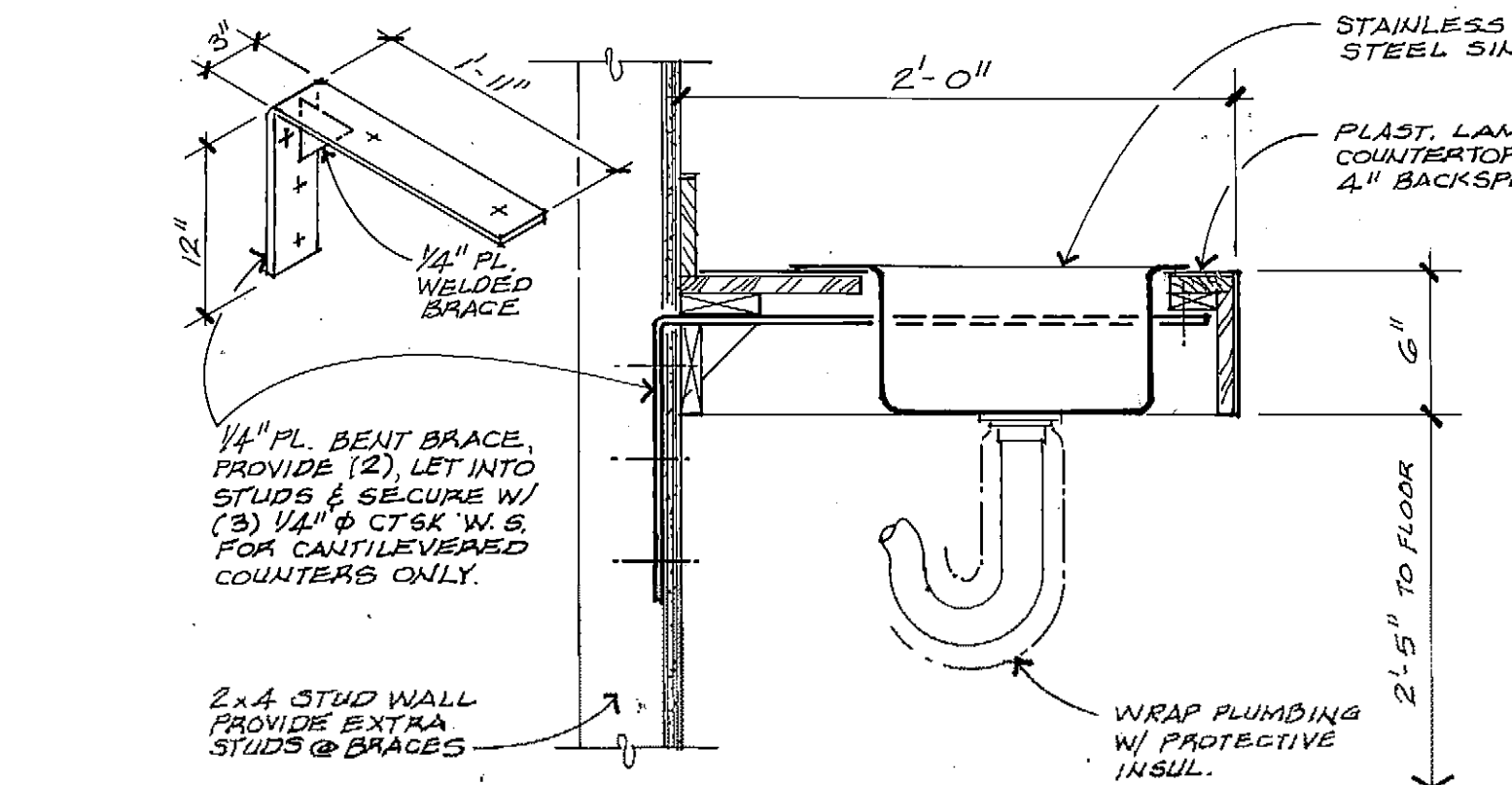
A TYP. WALL SECTION
A-16
1/2" = 1'-0"



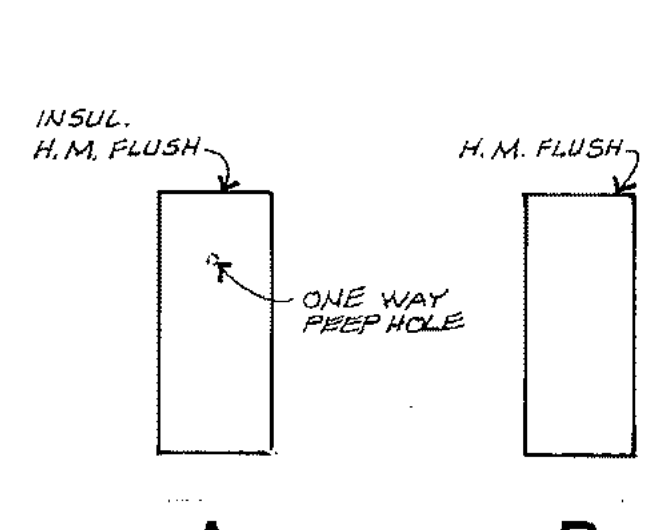
B EAVE DETAIL
A-16
1/2" = 1'-0"



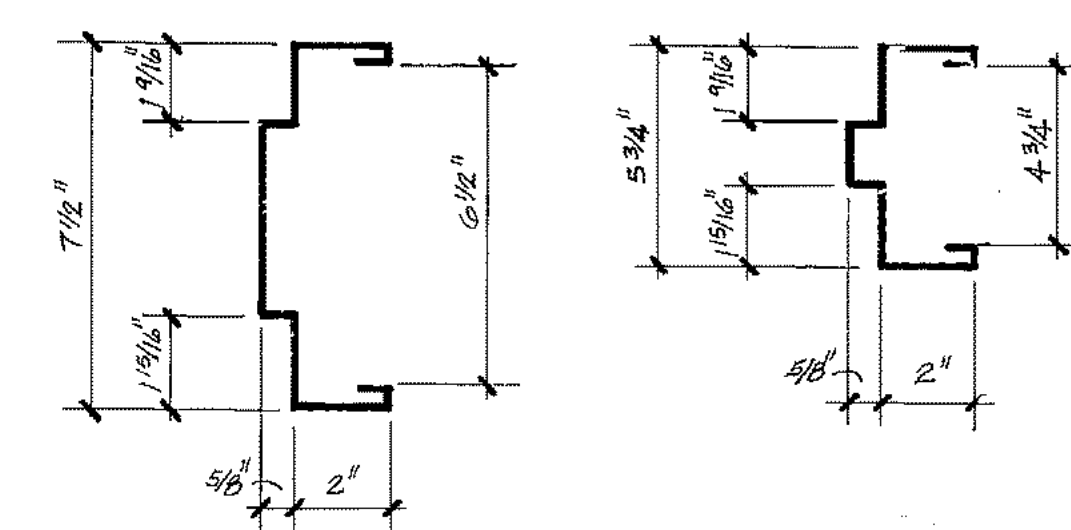
C EAVE DETAIL
A-16
1/2" = 1'-0"



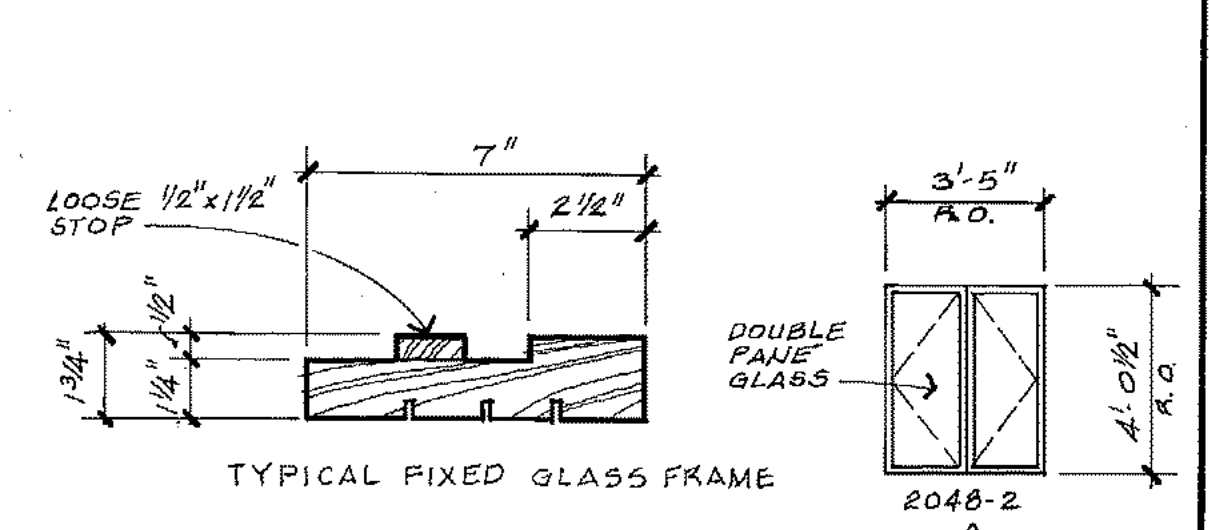
D SINK COUNTER
A-16
1/2" = 1'-0"



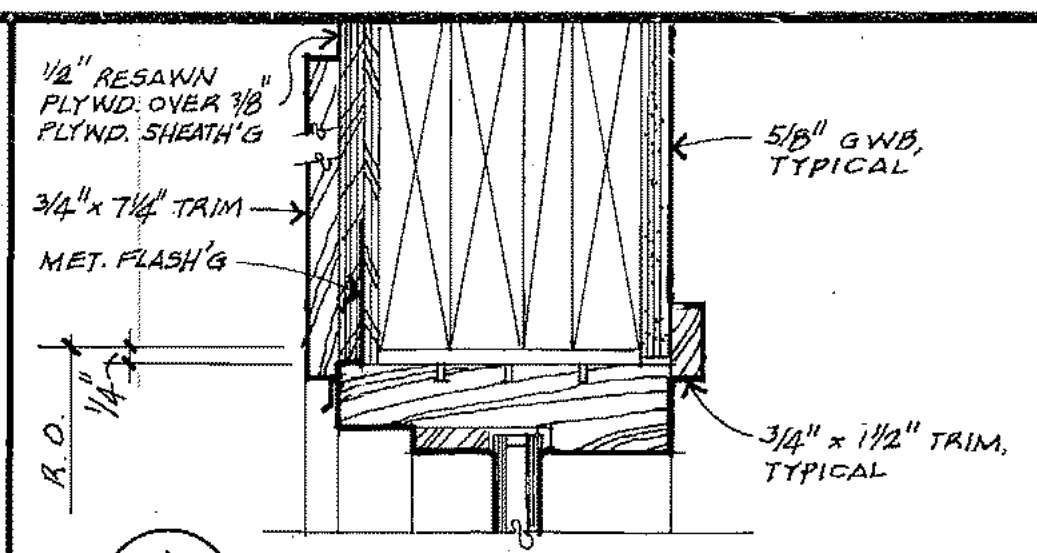
A DOOR TYPES



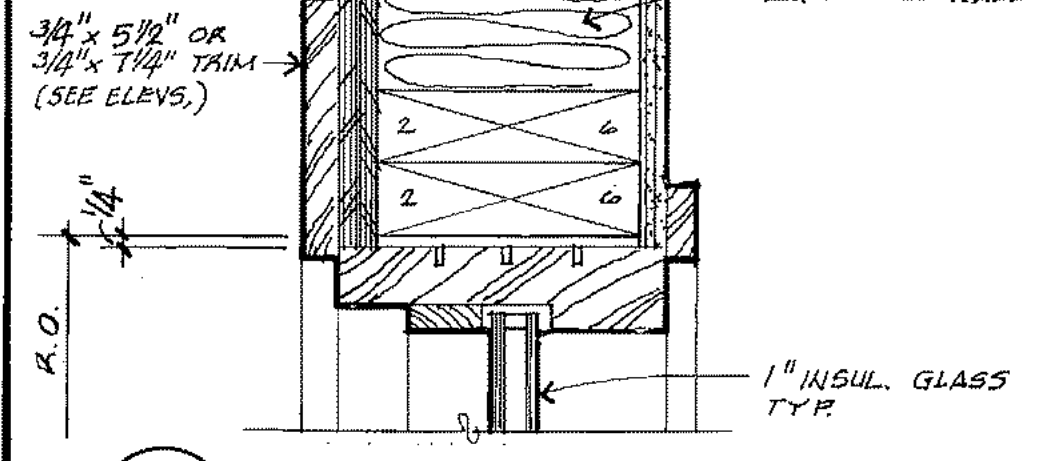
1 DOOR FRAME TYPES



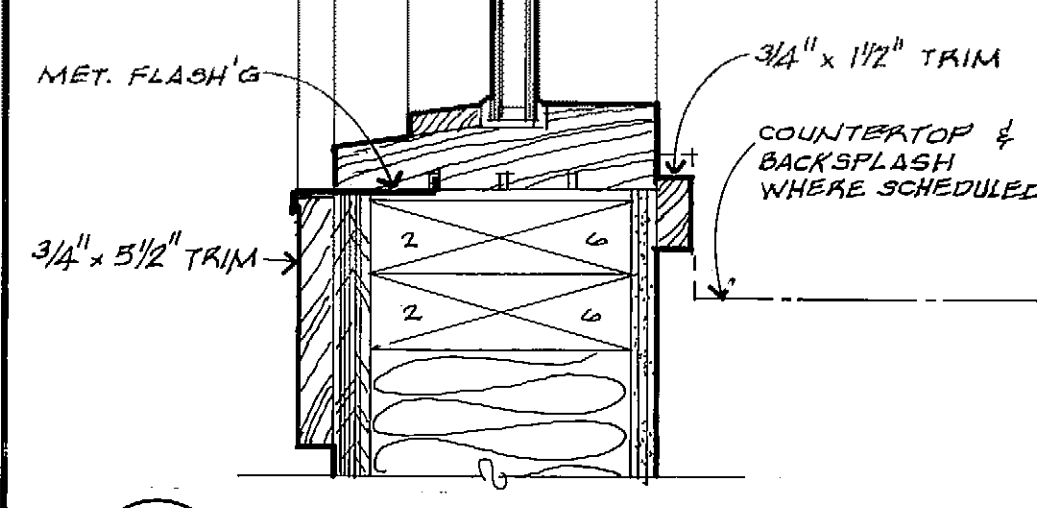
OPERABLE VENTS
WOOD WINDOWS



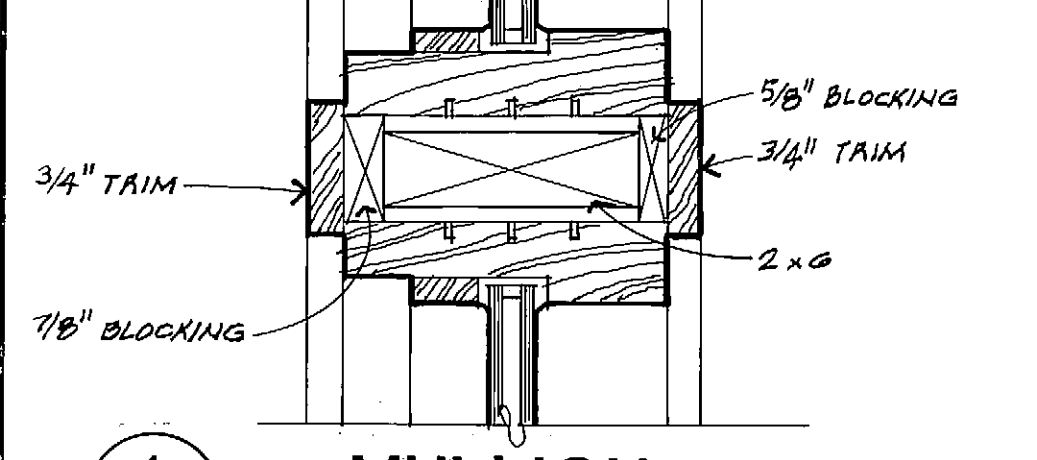
1 HEAD
A-16



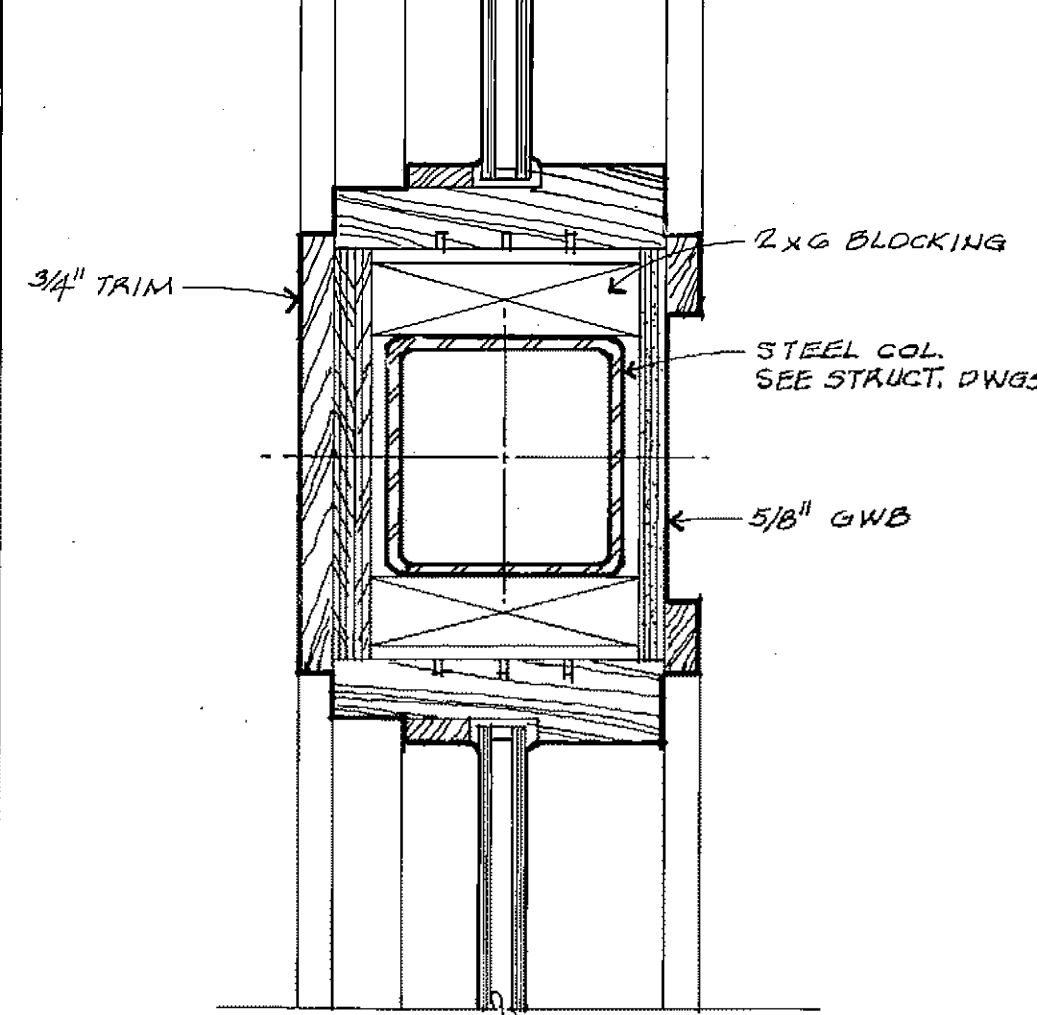
2 JAMB
A-16



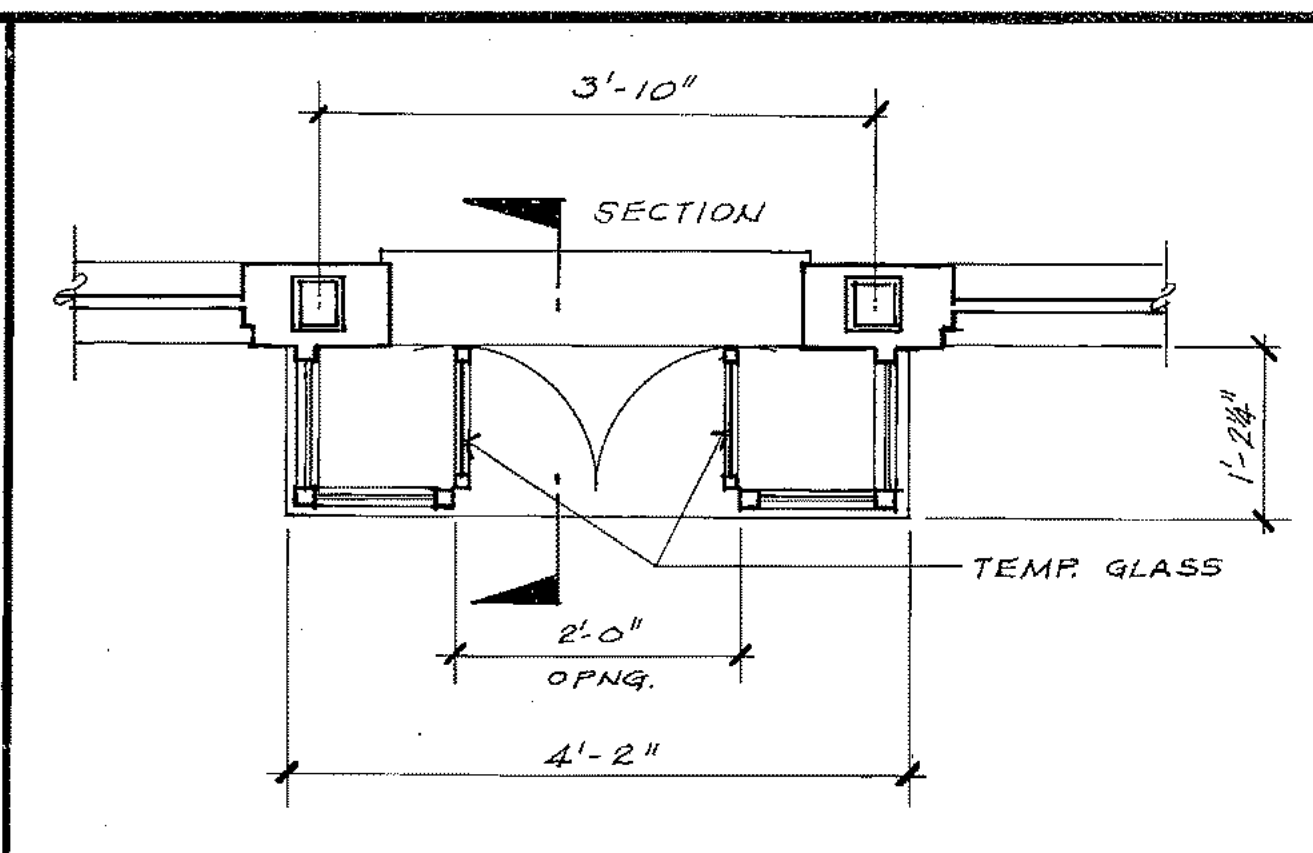
3 SILL
A-16



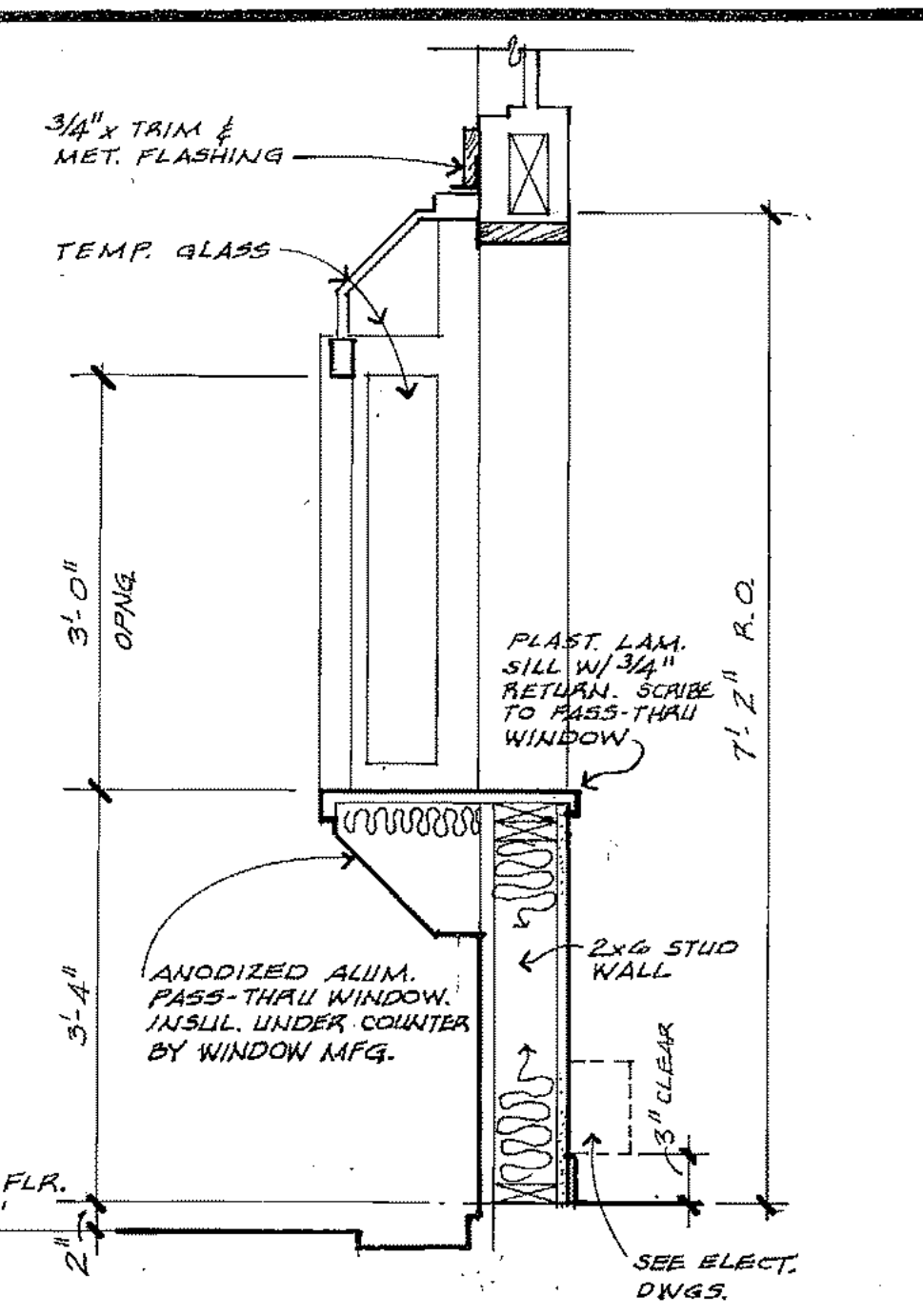
4 MULLION
A-16



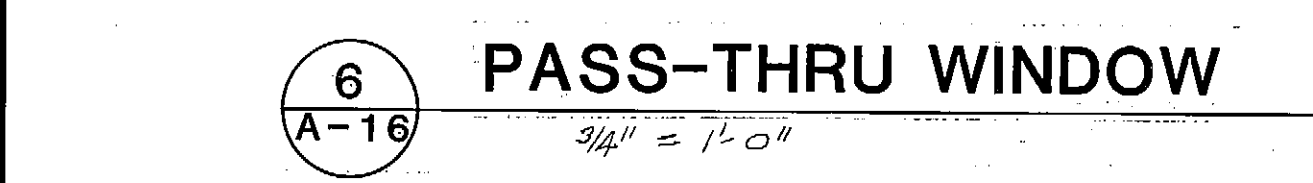
5 MULLION
A-16



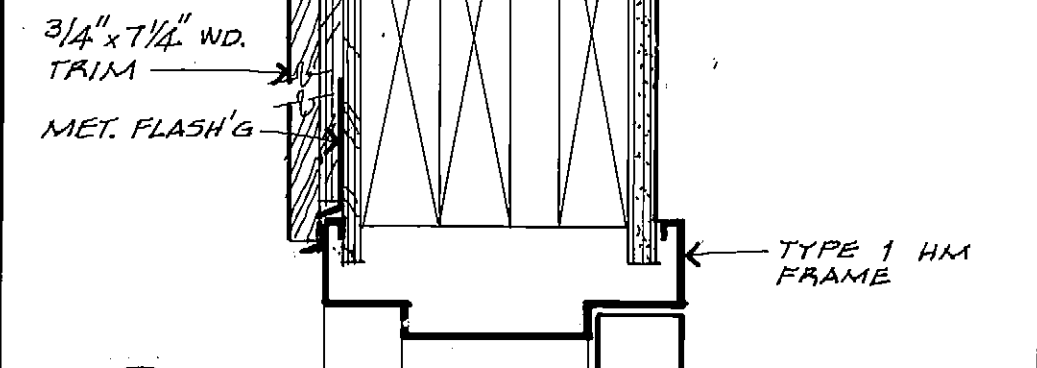
PLAN VIEW



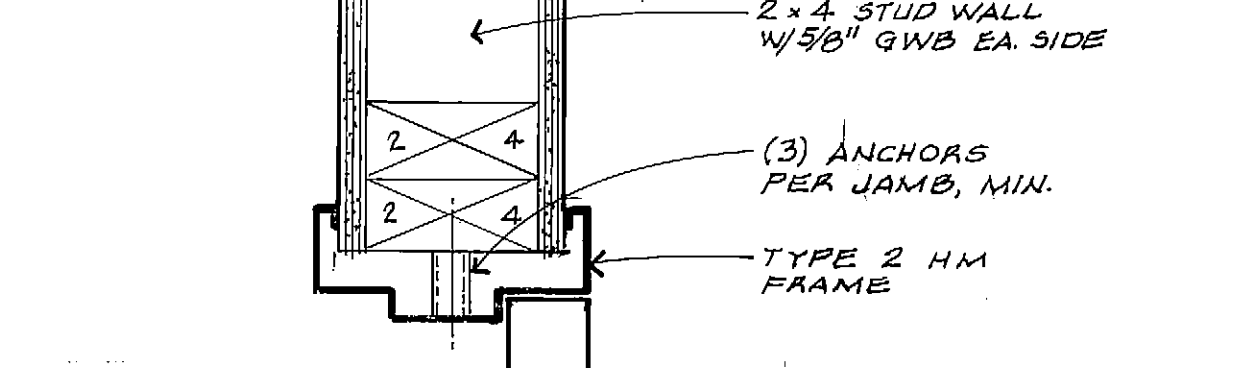
SECTION



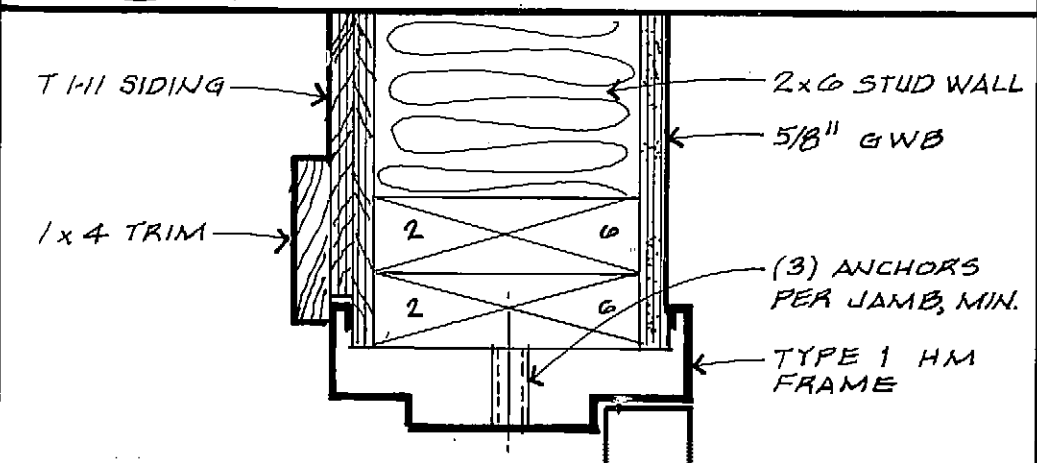
6 PASS-THRU WINDOW
A-16
3/4" = 1'-0"



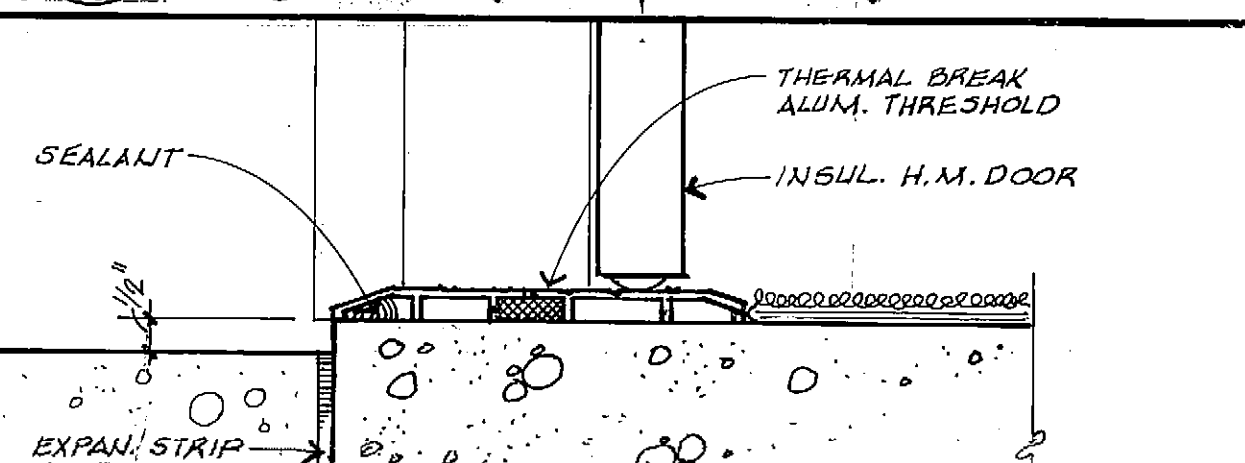
7 HEAD
A-16



9 JAMB (HEAD SIM.)
A-16



8 JAMB
A-16



10 THRESHOLD
A-16

DOOR SCHEDULE

DOOR				FRAME			FIRE RATING	HOWE GROUP	REMARKS
NO.	TYPE	MAT.	SIZE	TYPE	MAT.	HEAD JAMB SILL			
S1	A	H.M.	3'-0" x 7'-0" x 1 3/4"	1	H.M.	7 8 10	-	INSULATED DOOR	
S2	B	H.M.	3'-0" x 7'-0" x 1 3/4"	2	H.M.	9 - -	-		

ROOM FINISH SCHEDULE

RM. NO.	DESCRIPTION	BASE	FLOOR	WALLS						CEILING					
				MAT.	FIN.	NORTH	EAST	SOUTH	WEST	HGT.	MAT.	FIN.			
S101	SCALE HOUSE	4" AUBURN	CARPET	-	GWB	PAINT	GWB	PAINT	GWB	PAINT	GWB	PAINT	9'-0 3/8"	GWB	PAINT
S102	TOILET	4" RUBBER	SHT. VINYL	-	M.R. GWB	ENAMEL	M.R. GWB	ENAMEL	GWB	ENAMEL	M.R. GWB	ENAMEL	9'-0 3/8"	GWB	PAINT

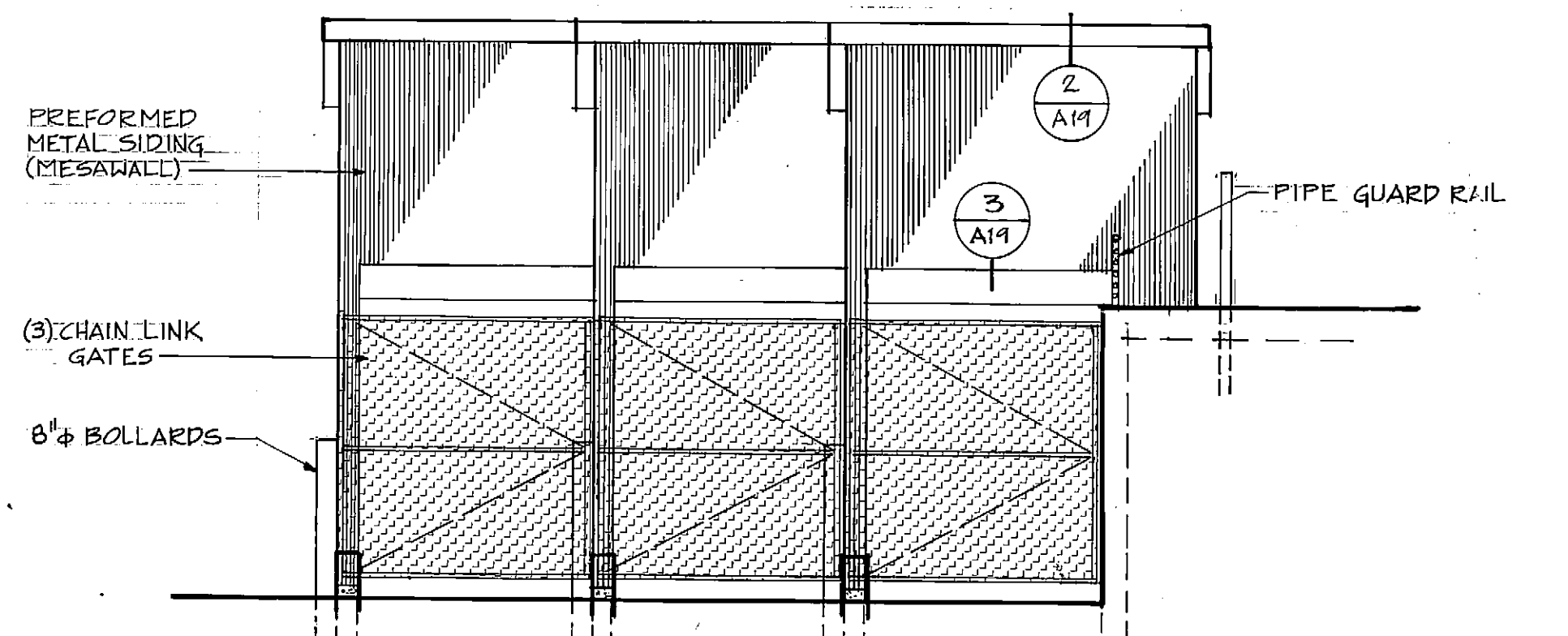
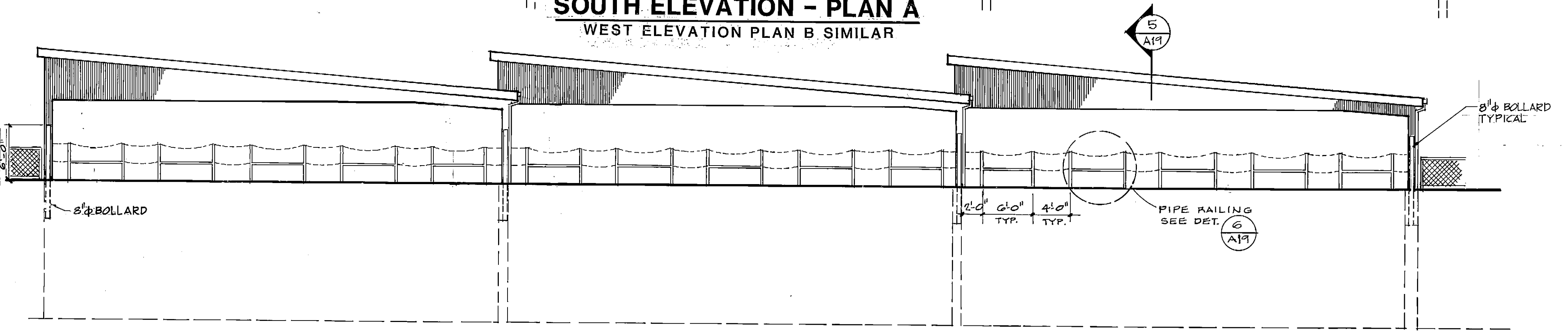
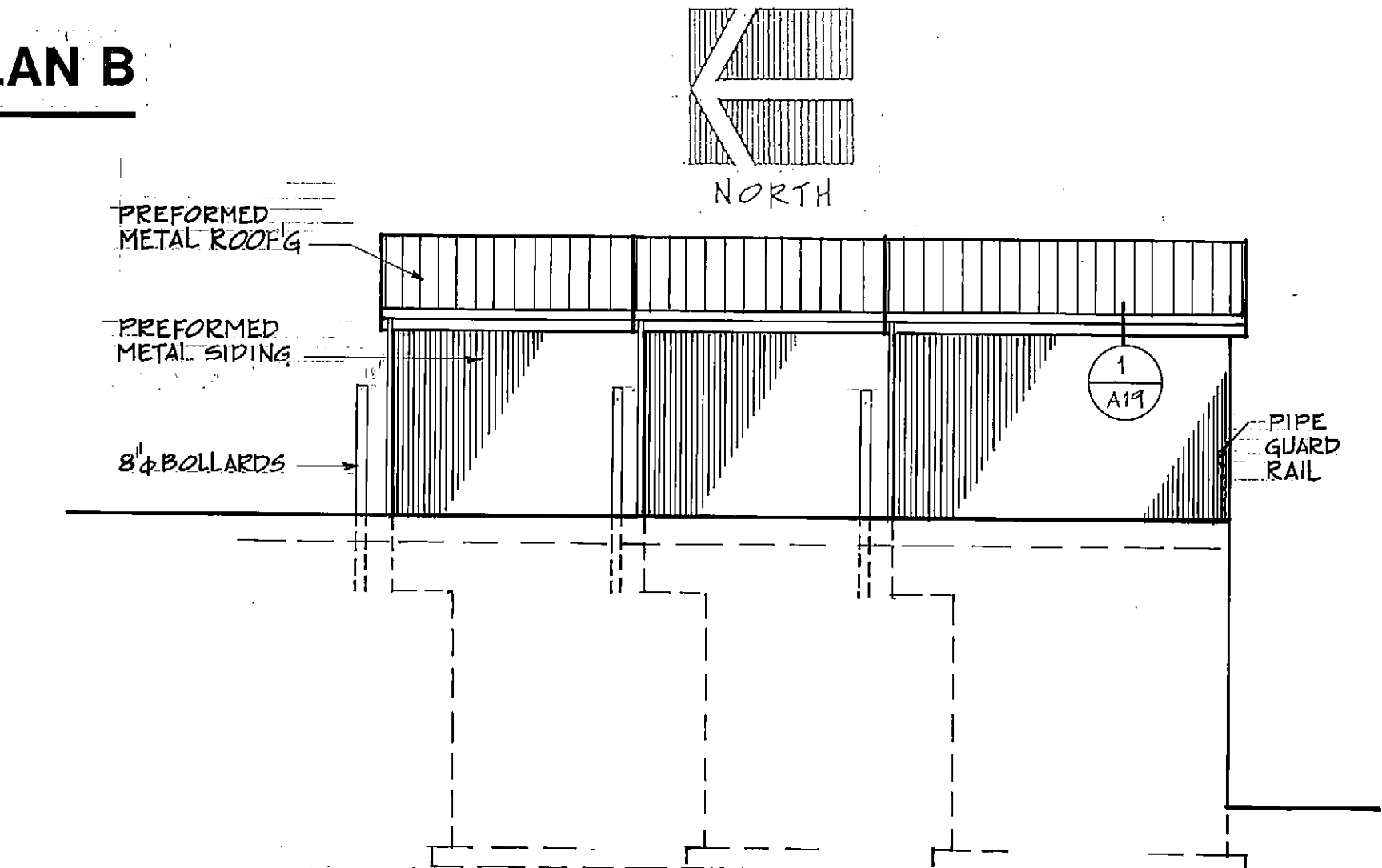
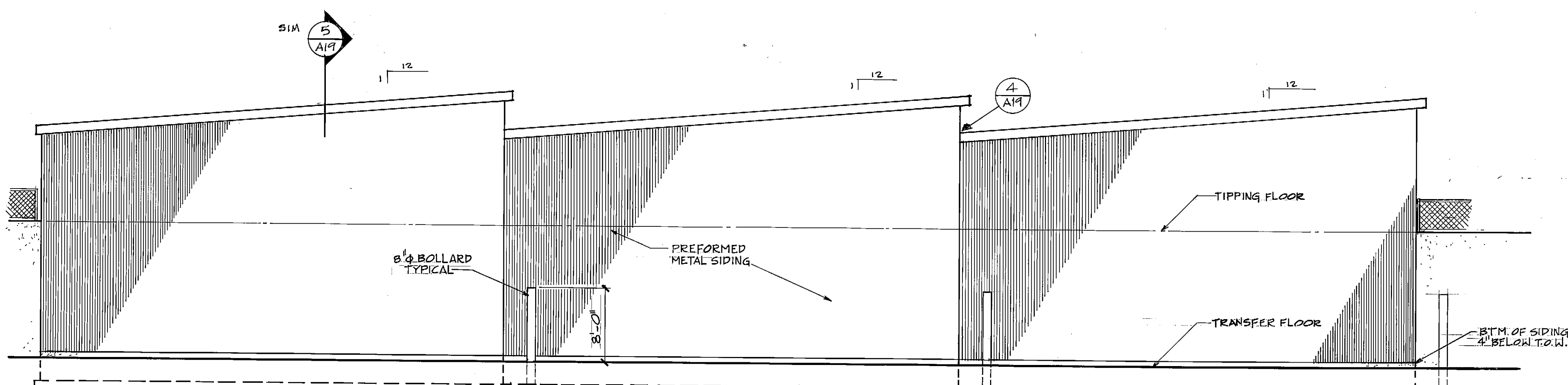
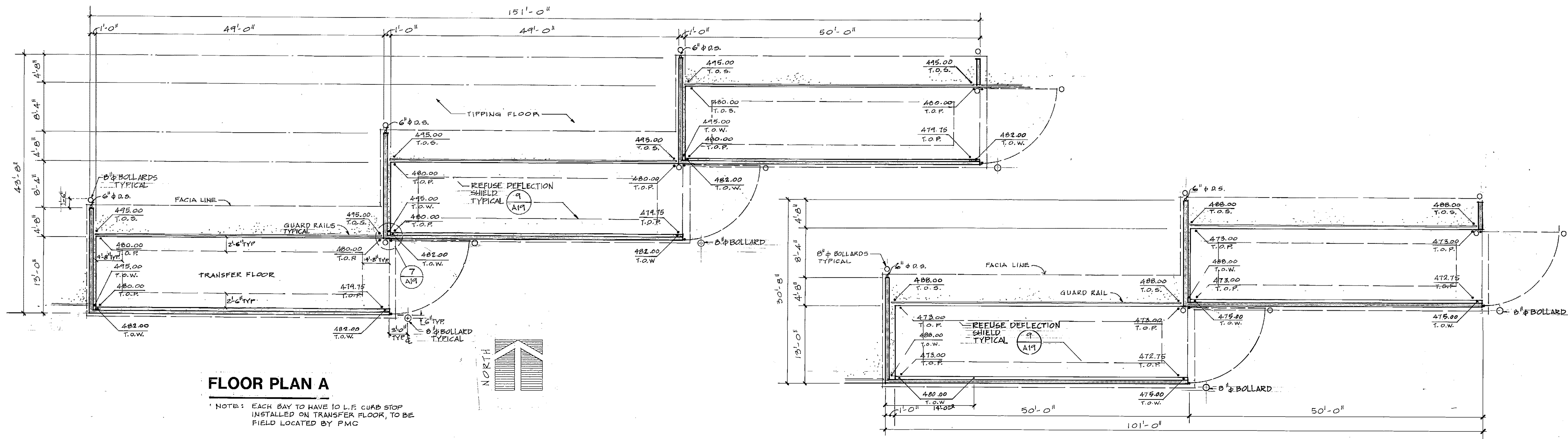
PROJECT NO. 86-010-02 MOA
 DESIGNED: RDL
 DRAWN: RDL
 CHECKED:
 DATE: FEB. 24, 1987
 SCALE: AS NOTED

NO.	REVISION	DATE	BY

SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 SCALE HOUSE
 DETAILS, SCHEDULES

A-17
SHEET 36 OF 85

A-18



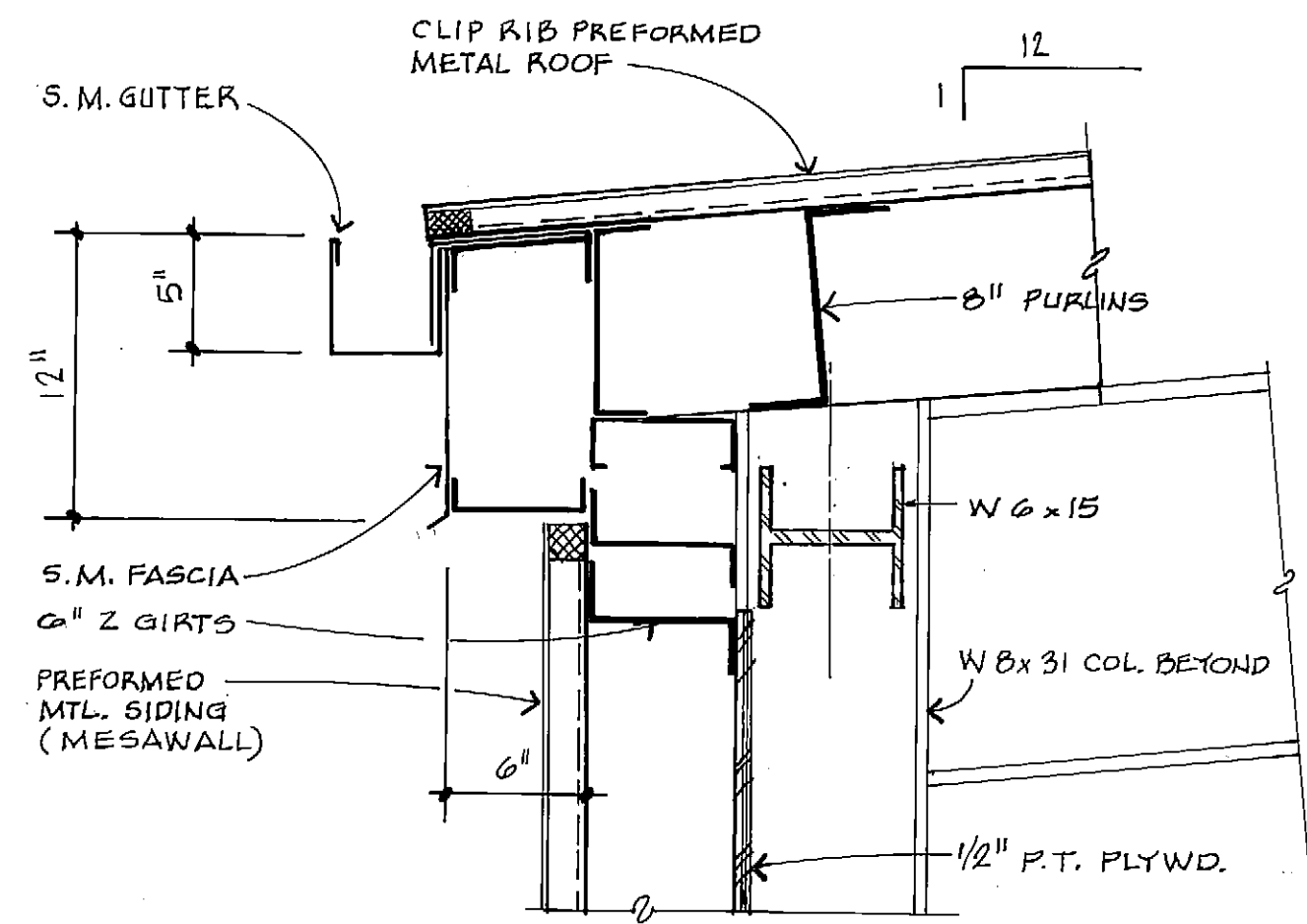
PROJECT NO. 86-010-02 MOA
 DESIGNED :
 DRAWN : RDL, AKF
 CHECKED :
 DATE : FEBRUARY 24, 1987
 SCALE : 1/8"=1'-0"

NO.	REVISION	DATE BY

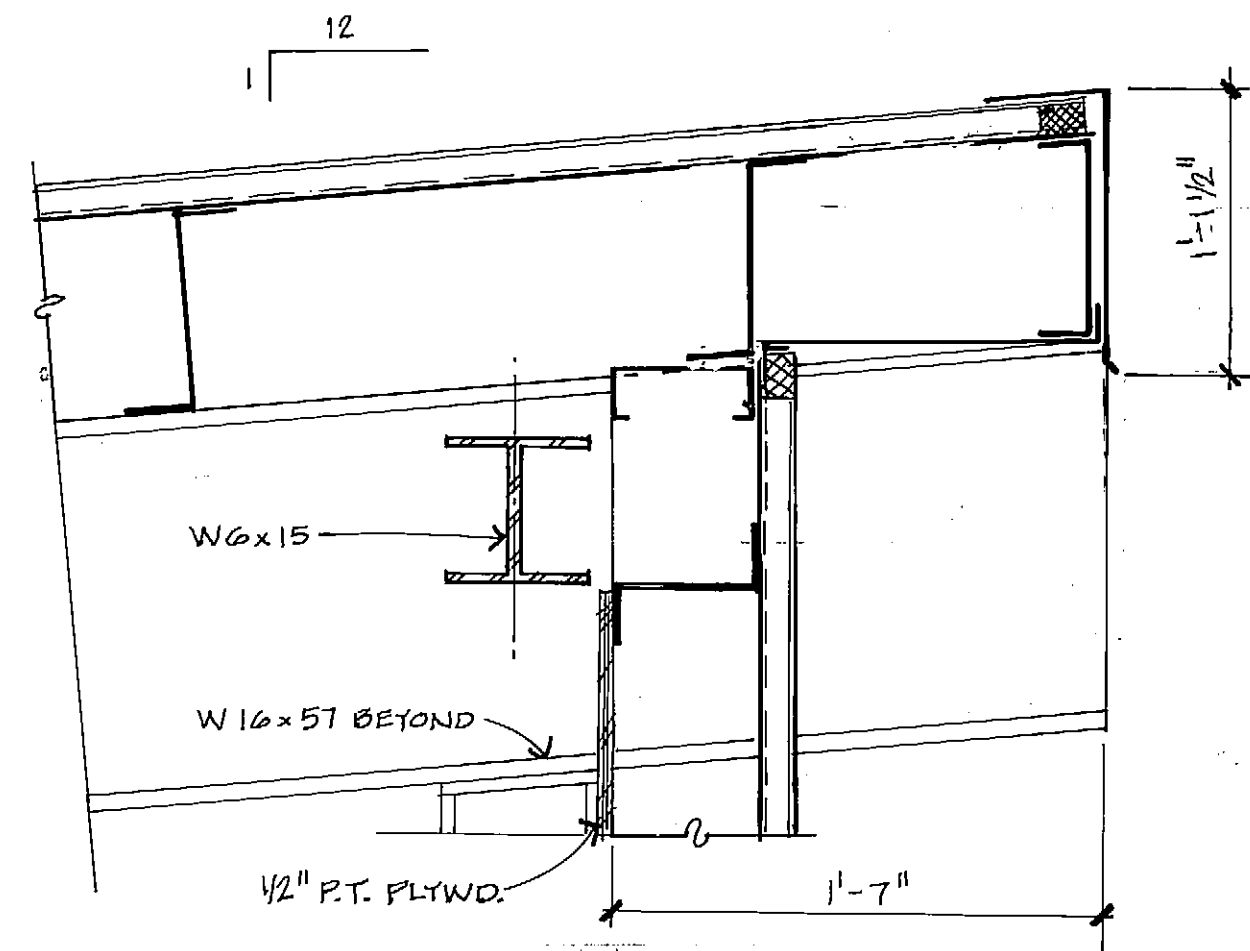


SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 TRANSFER BUILDING
 FLOOR PLANS, ELEVATIONS

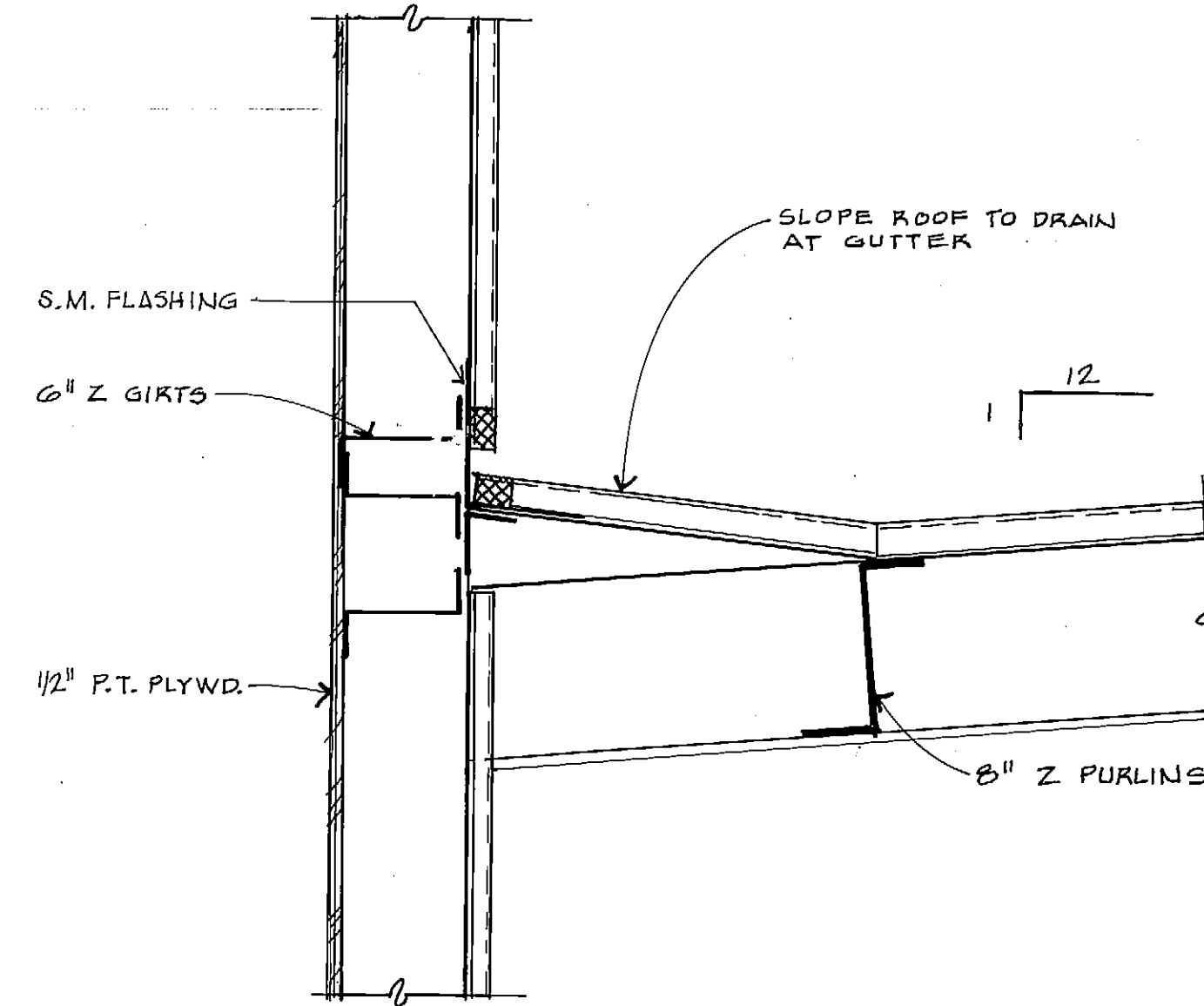
A-18
 SHEET 37 OF 85



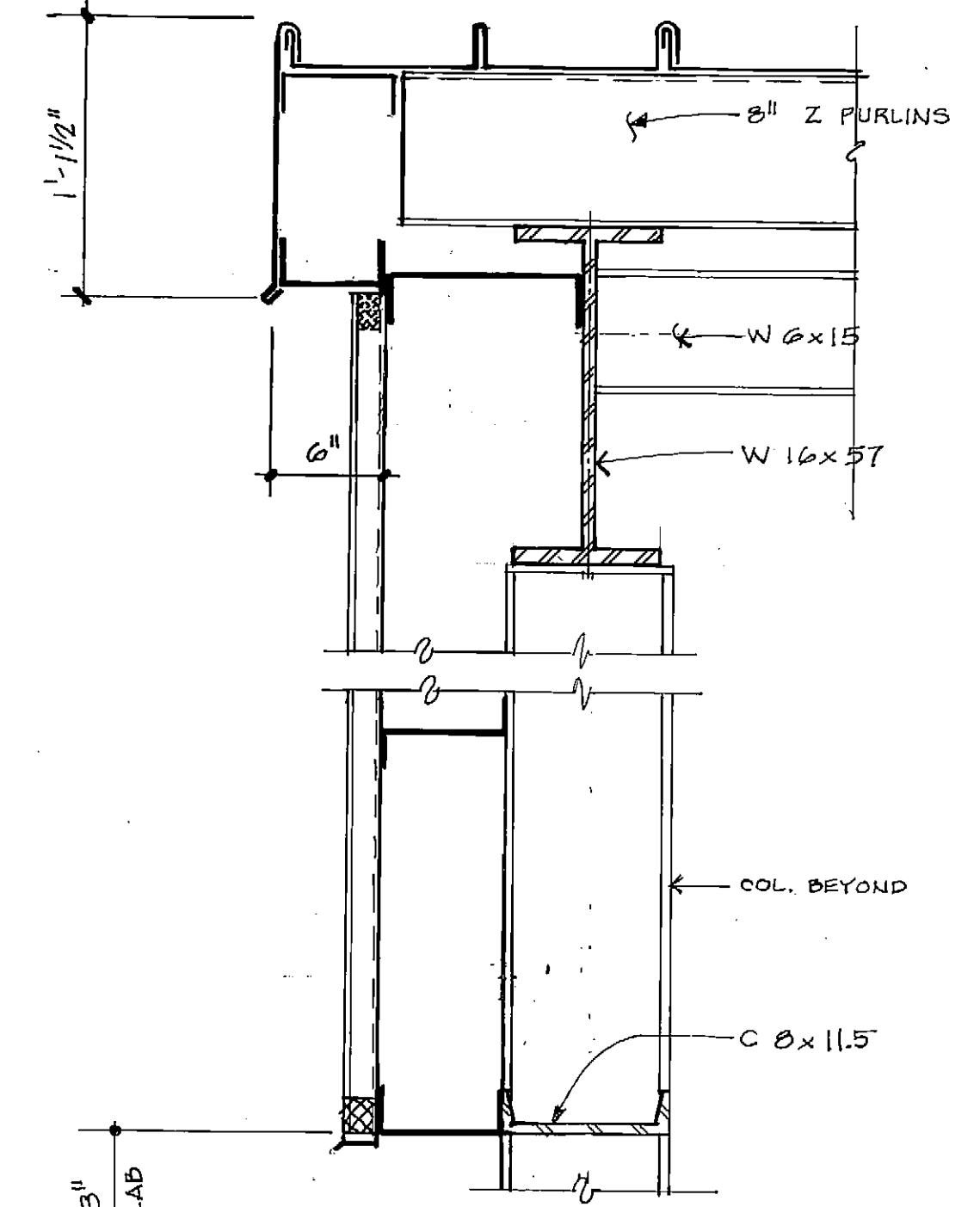
1
A-19
1 1/2" = 1'-0"



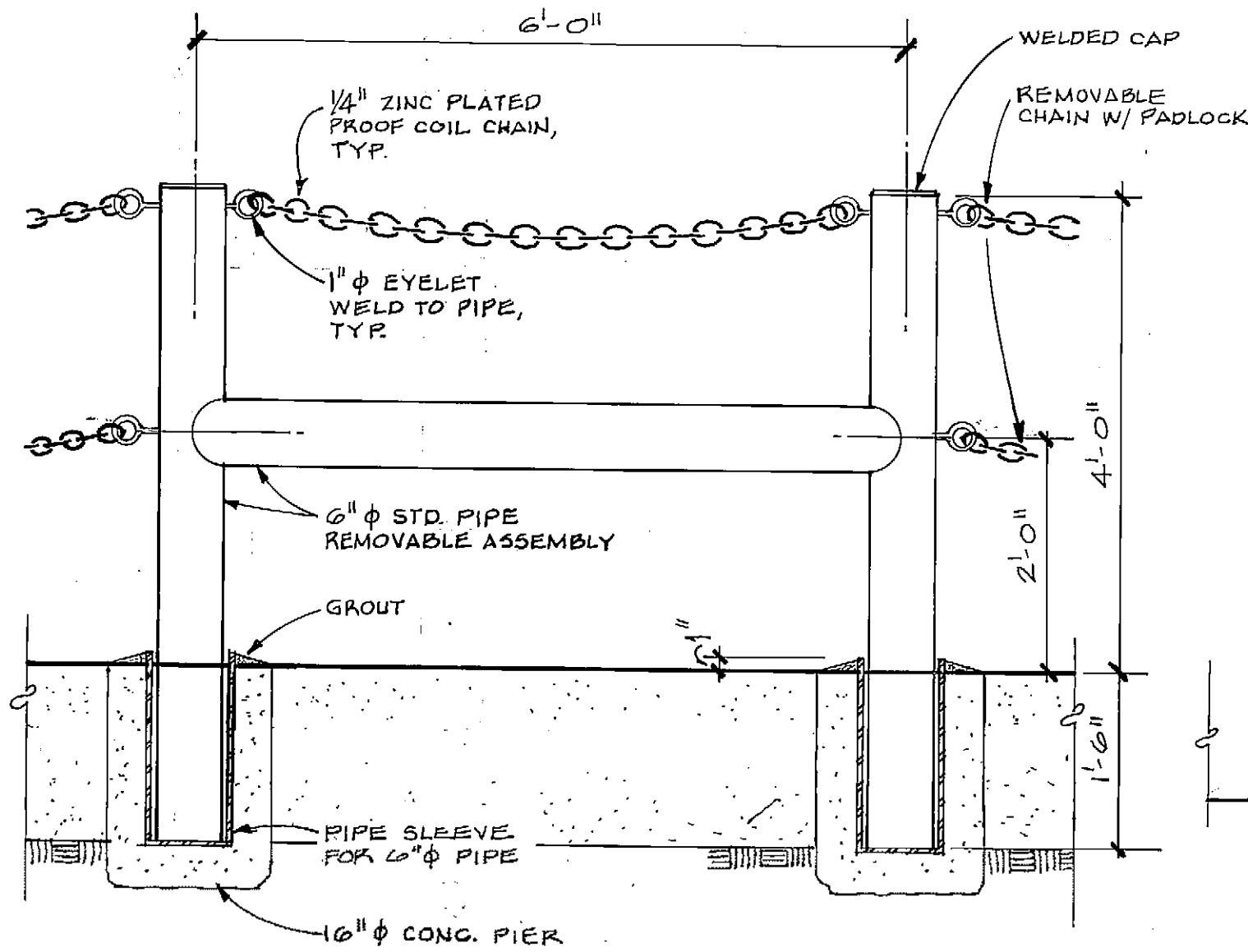
2
A-19
1 1/2" = 1'-0"



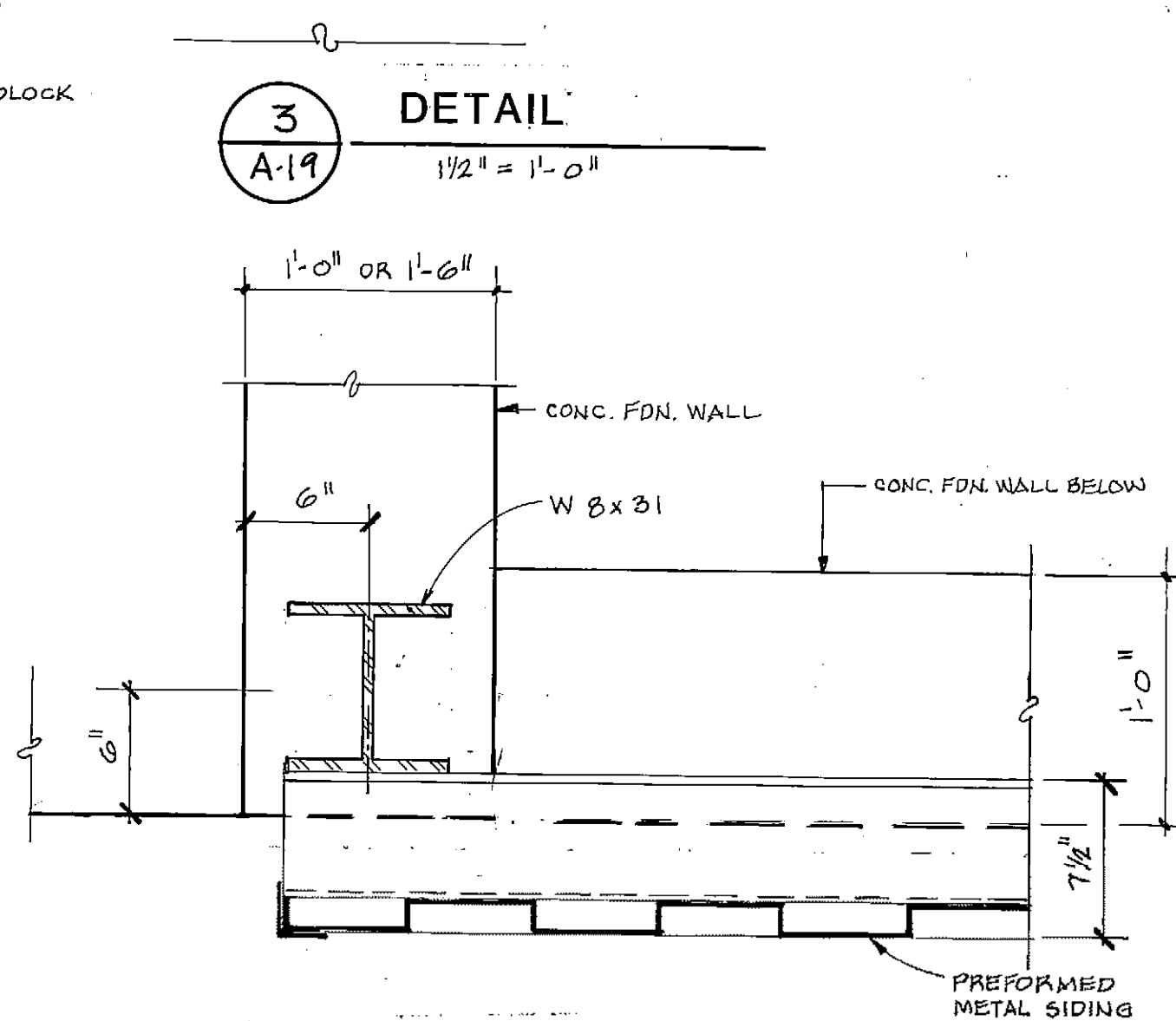
4
A-19
1 1/2" = 1'-0"



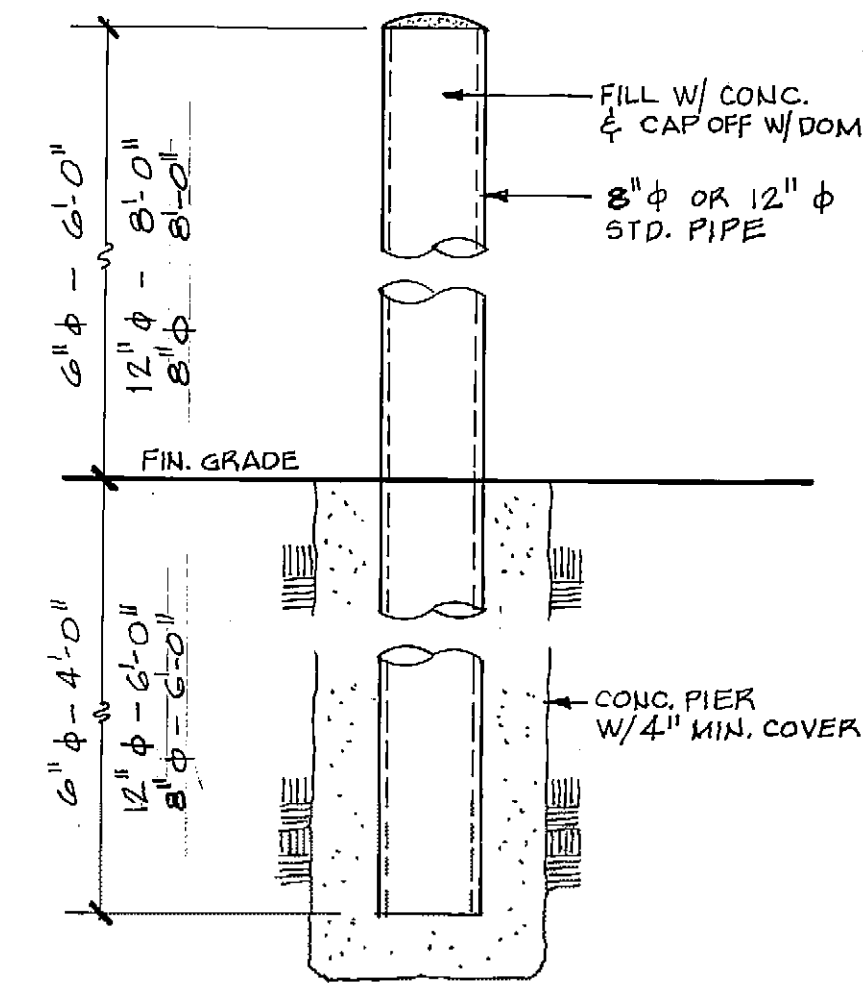
5
A-19
1 1/2" = 1'-0"



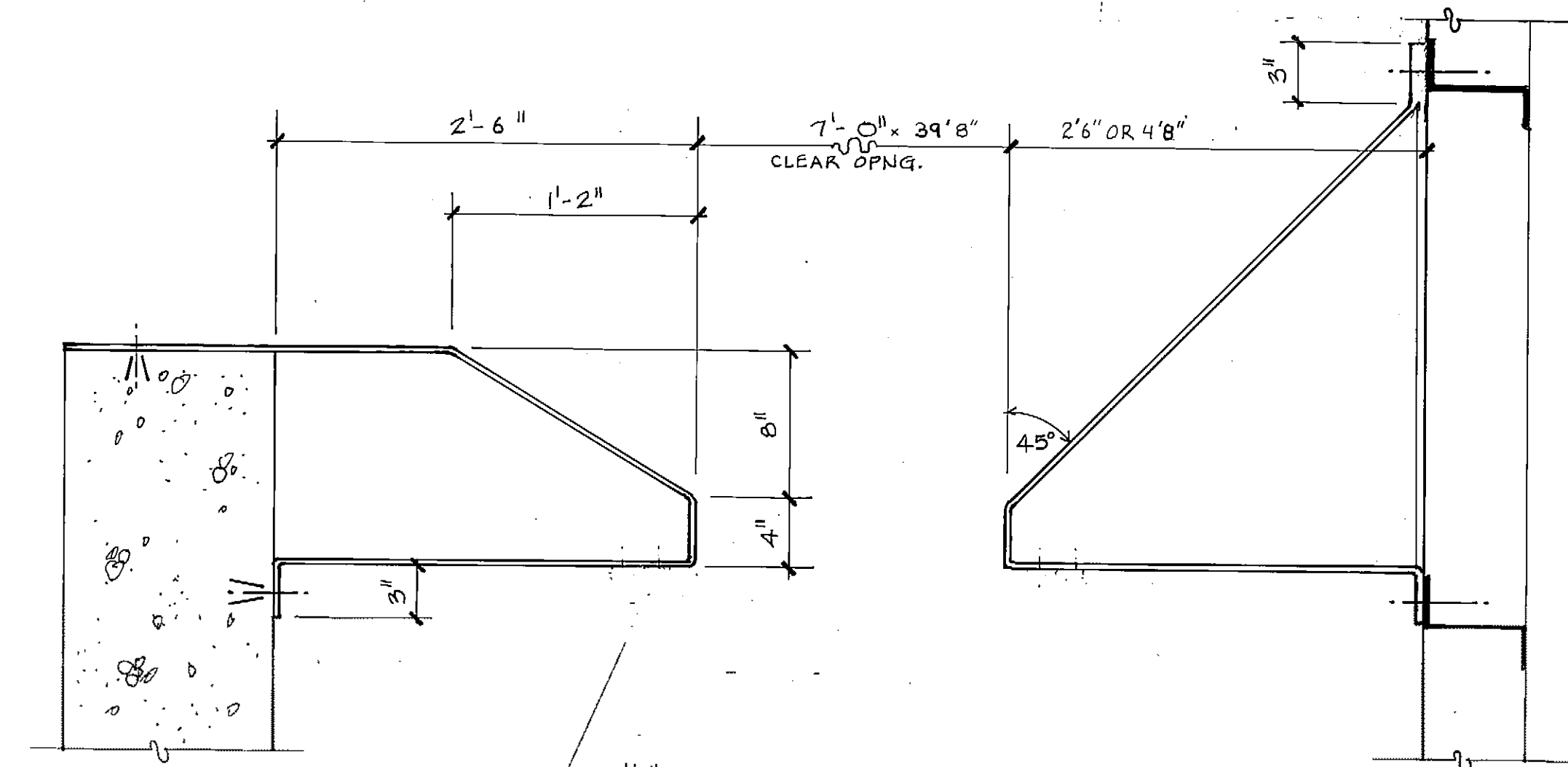
6
A-19
3/4" = 1'-0"



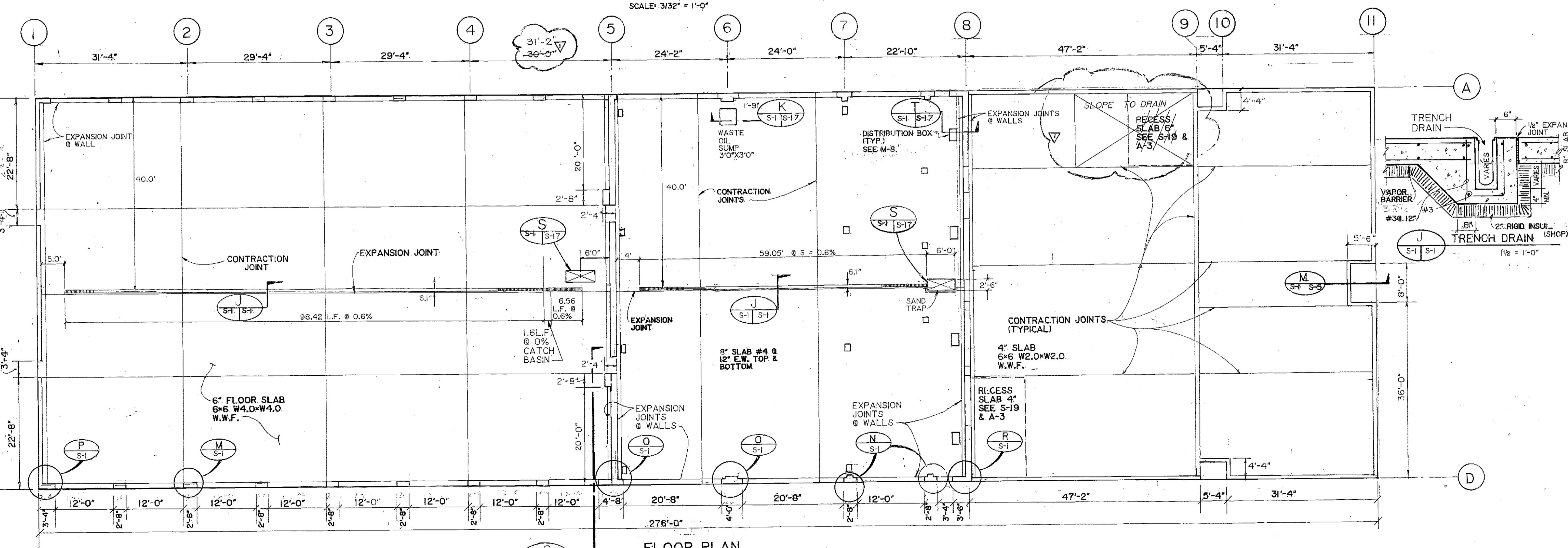
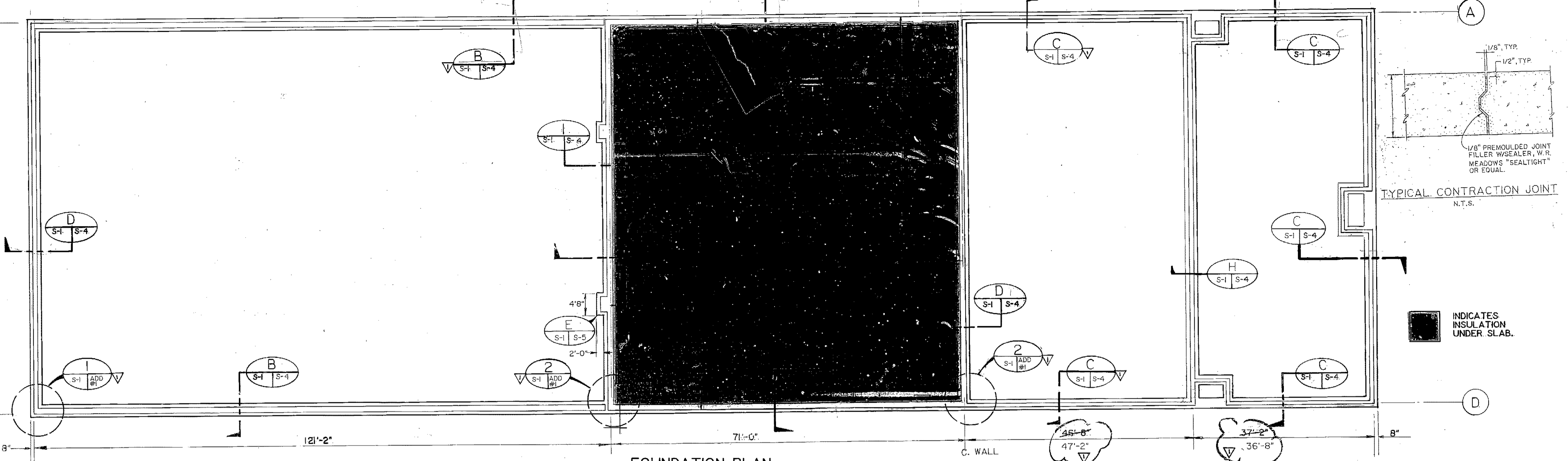
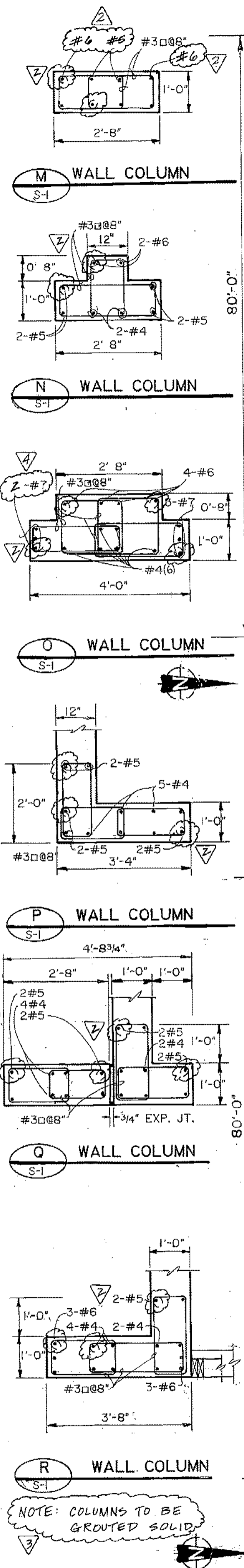
7
A-19
1 1/2" = 1'-0"



8
A-19
1" = 1'-0"

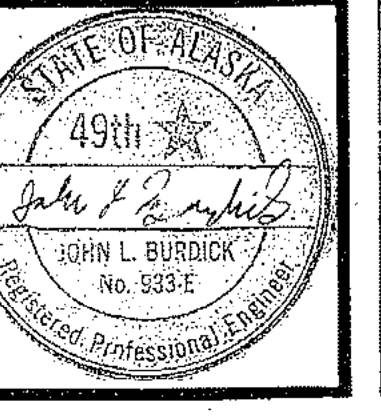
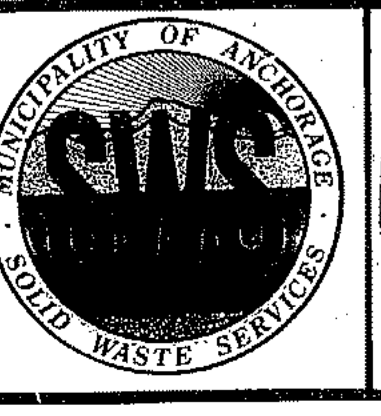


9
A-19
SEE STRUCTURAL DETAILS SHEET S-19
REFUSE DEFLECTION SHIELD
NTS



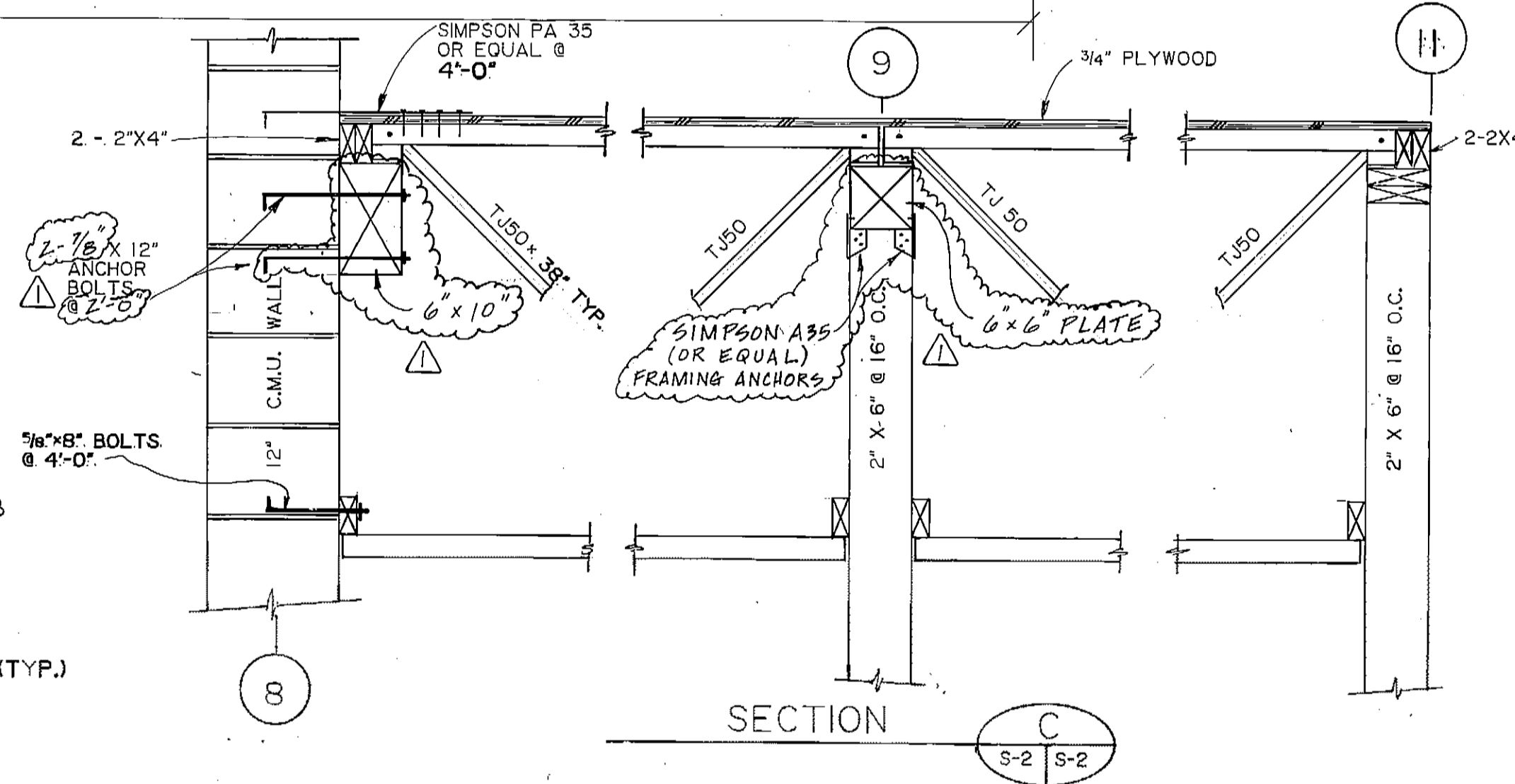
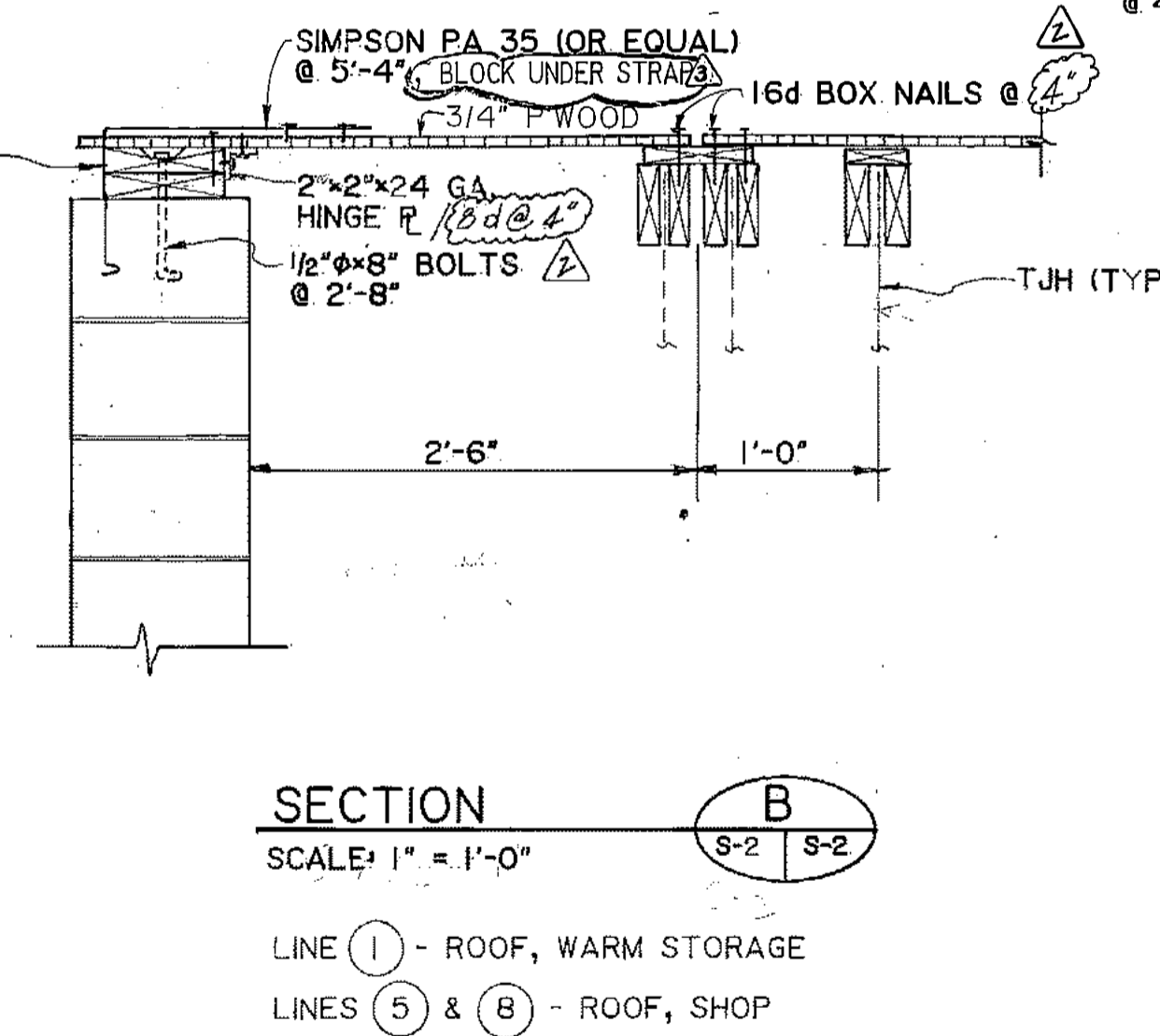
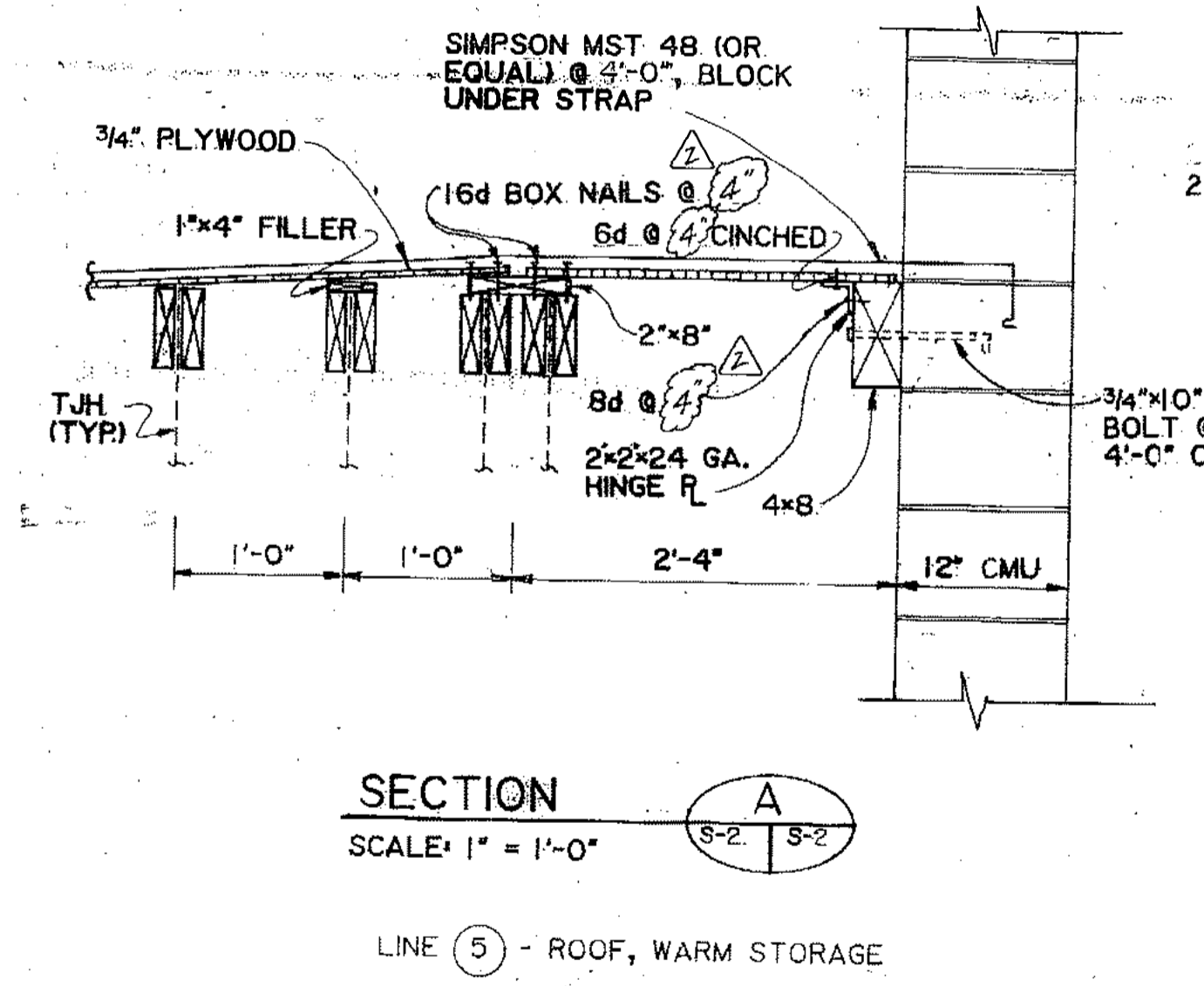
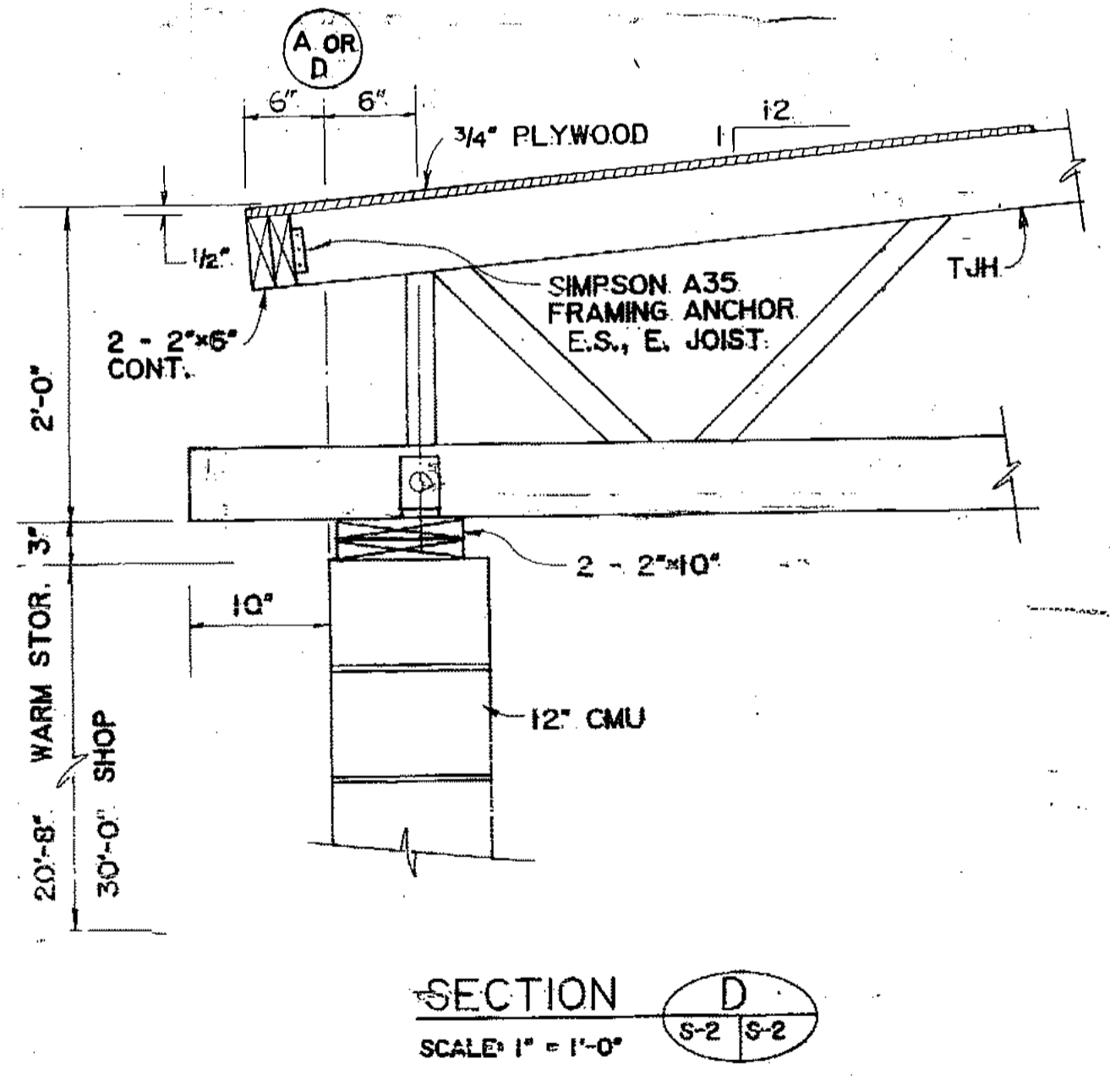
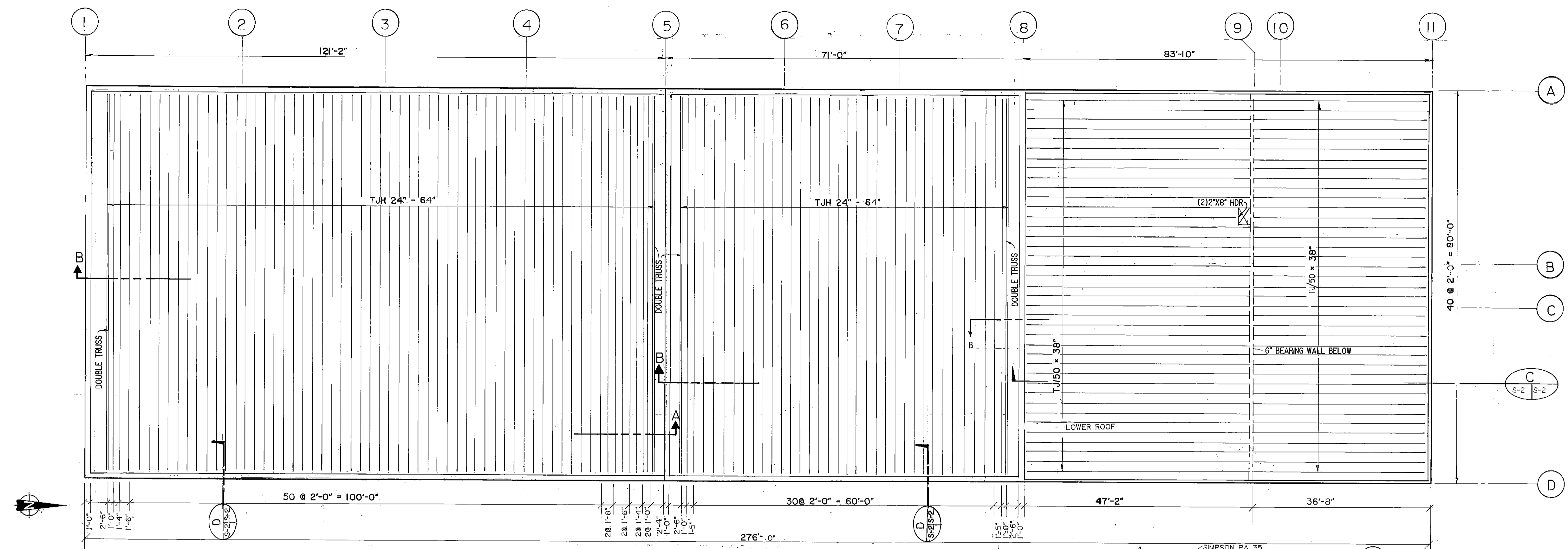
PROJECT NO. 86-010-02 MOA
DESIGNED BY J. BURDICK
DRAWN BY E.B., P.M., BA
CHECKED BY WTH
DATE FEB. 24, 1987
SCALE AS NOTED

NO.	REVISION	DATE	BY
1	ADD NOTE	4/21/87	GJR
2	REVISE COLUMN DETAILS	4/21/87	GJR
3	DIMENSION CHANGES / DET. CLARIF.	5/23/87	A.E.J.



SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
 FOUNDATION & FLOOR PLAN

5-2



- GENERAL NOTES**
- BUILDING CODE - U.B.C.-85 AS AMENDED BY THE M.O.A.
 - DESIGN LOAD - SNOW: 40 PSF; WIND: 100 MPH; EARTHQUAKE: ZONE 4, I = 1.0
 - MATERIAL - STRUCTURAL STEEL: A-36; F_y = 50,000 PSI; COLD FORMED STEEL: I_y = 60,000 PSI; REINFORCING STEEL: I_c = 4,000 PSI; CONCRETE: I_m = 1,500 SPEC. INSP.; MASONRY: E 70xx ELECTRODES; WELDING: ASTM A325-3/4" Ø (EXCEPT, AS NOTED)
 - STAINLESS STEEL FASTENERS SHALL BE USED FOR ALL GROUND CONTACT AND MOISTURE SITUATIONS.
 - ALL FOOTINGS AND SLABS TO BE SUPPORTED AS SHOWN IN 2/S-6

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
 DESIGNED: J. BURDICK
 DRAWN: E.B., F.M.
 CHECKED: WTH
 DATE: FEB. 24, 1987
 SCALE: AS NOTED

NO.	REVISION	DATE BY
1	ADD NOTE, "BLOCK UNDER STRAP" 4/4/87 bh	
2	REVISE DIMENS	4-27-87 GJR
3	REV. STRUCT. DETAILS	4-27-87 GJR

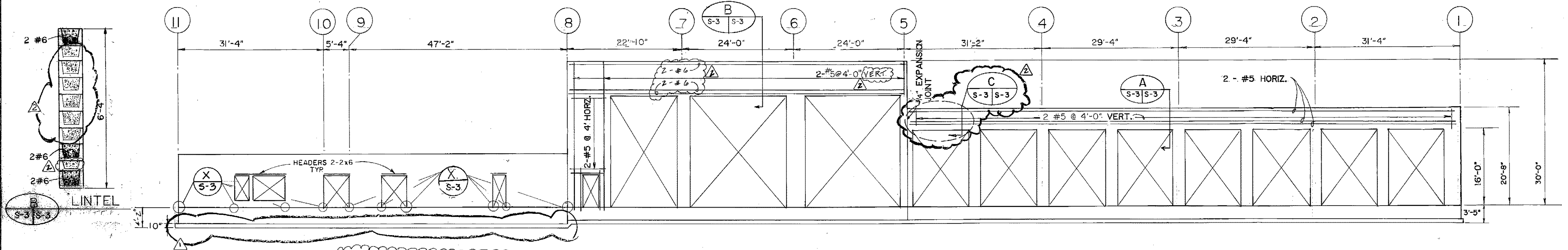
MUNICIPALITY OF ANCHORAGE
 SOLID WASTE SERVICES

STATE OF ALASKA
 49th
 JOHN L. BURDICK
 No. 933-E
 Registered Professional Engineer

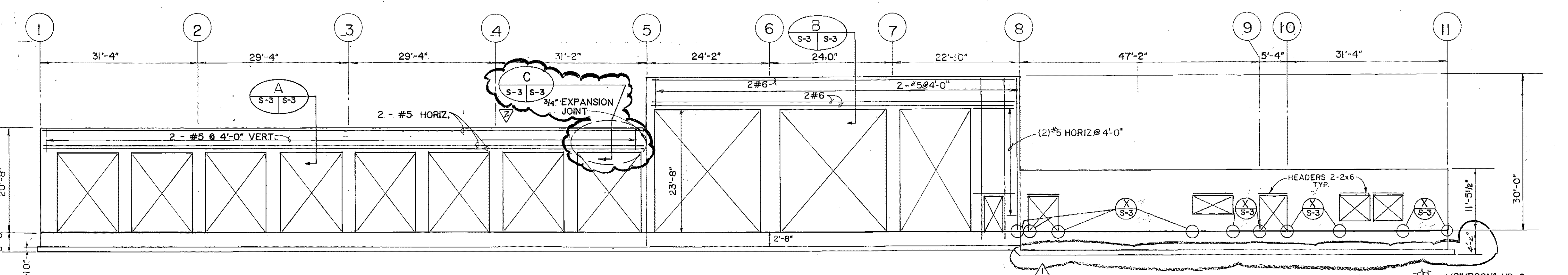
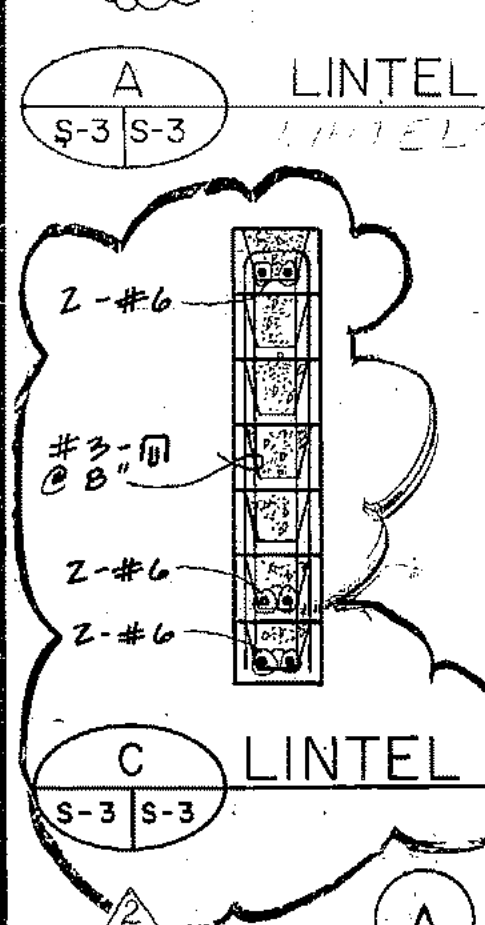
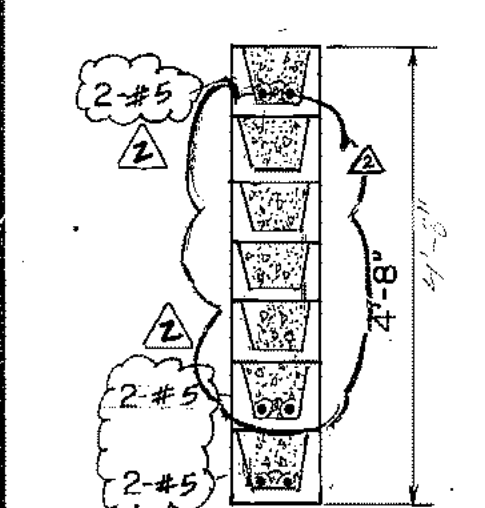
SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
 ROOF FRAMING

S-2
 SHEET 40 OF 85

5-3

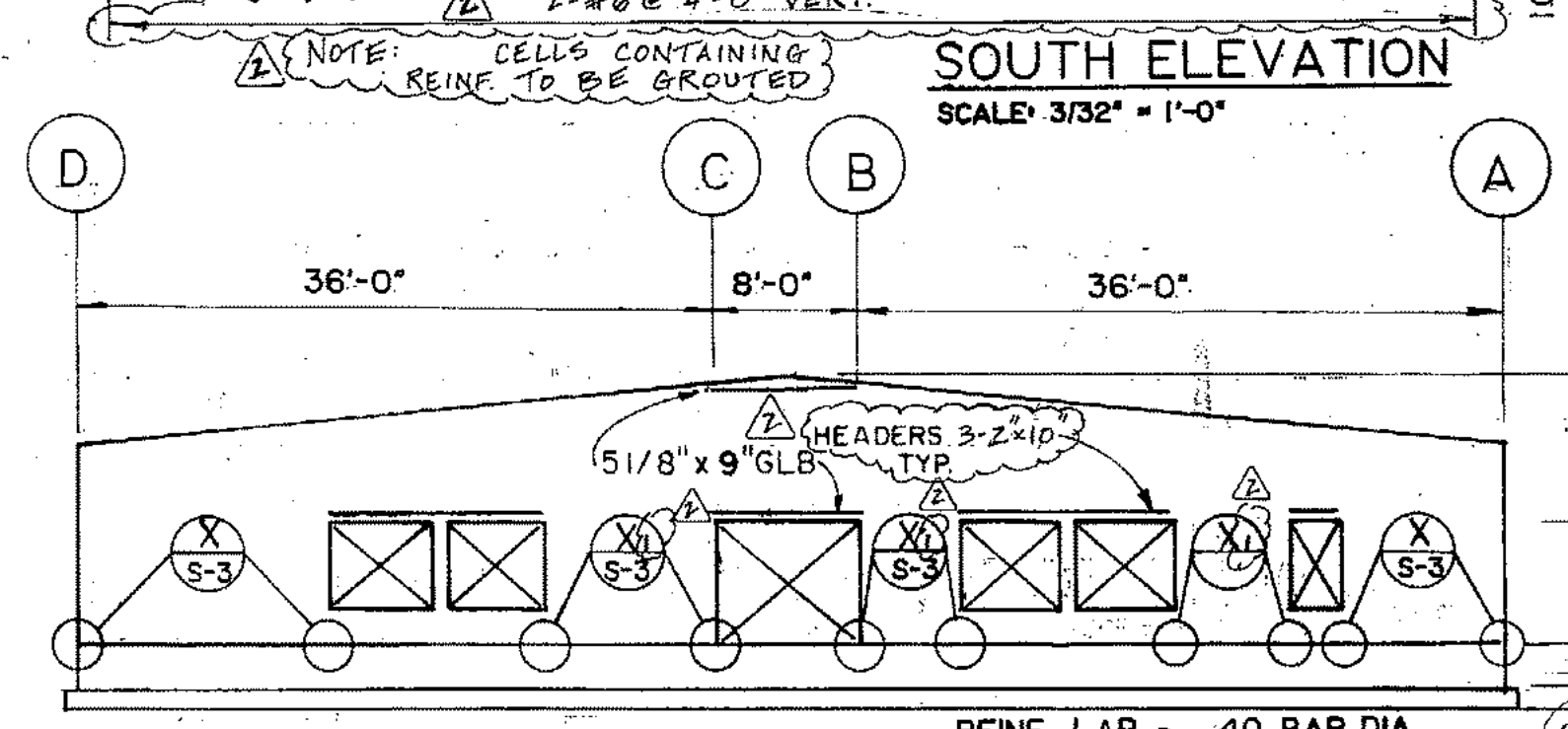
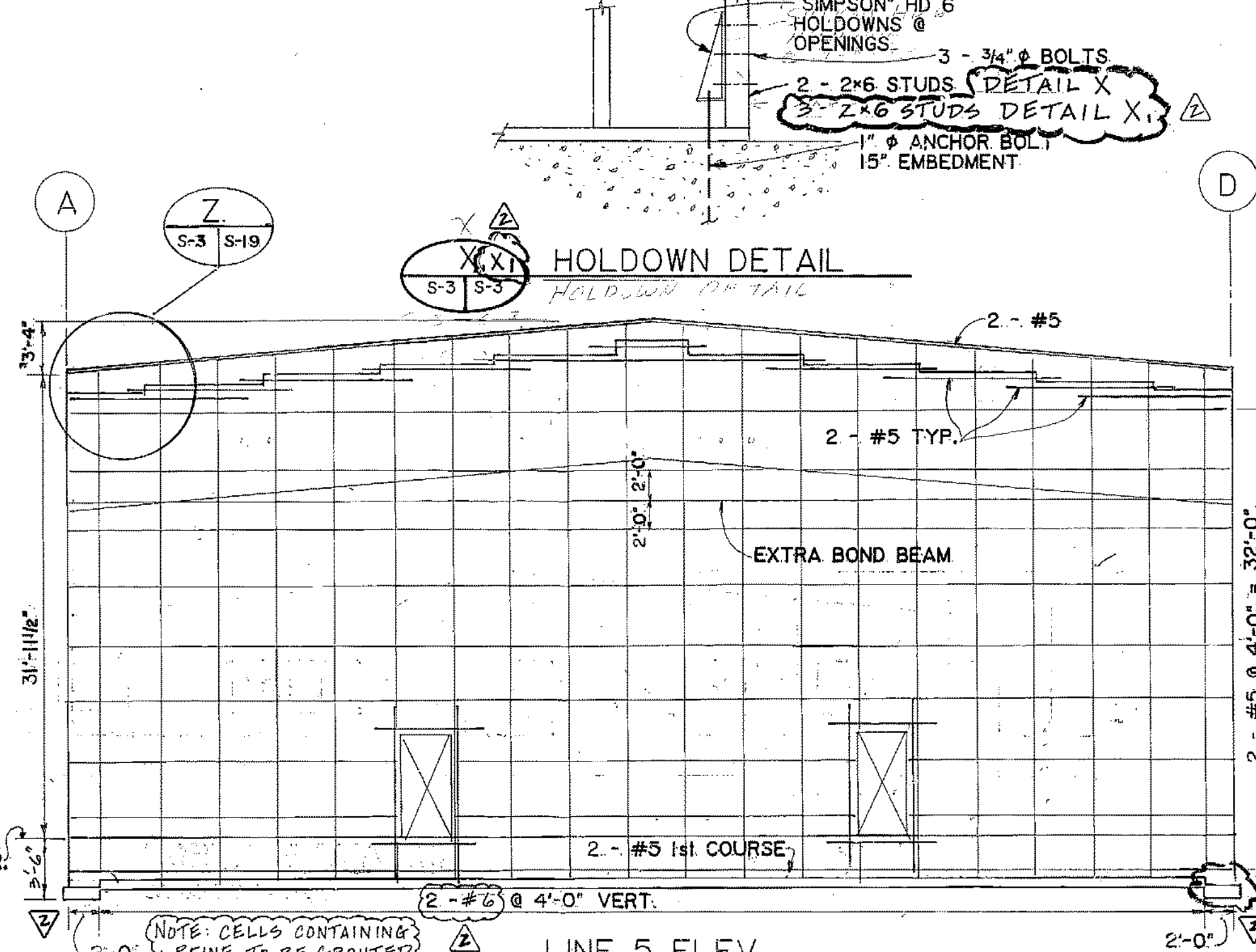
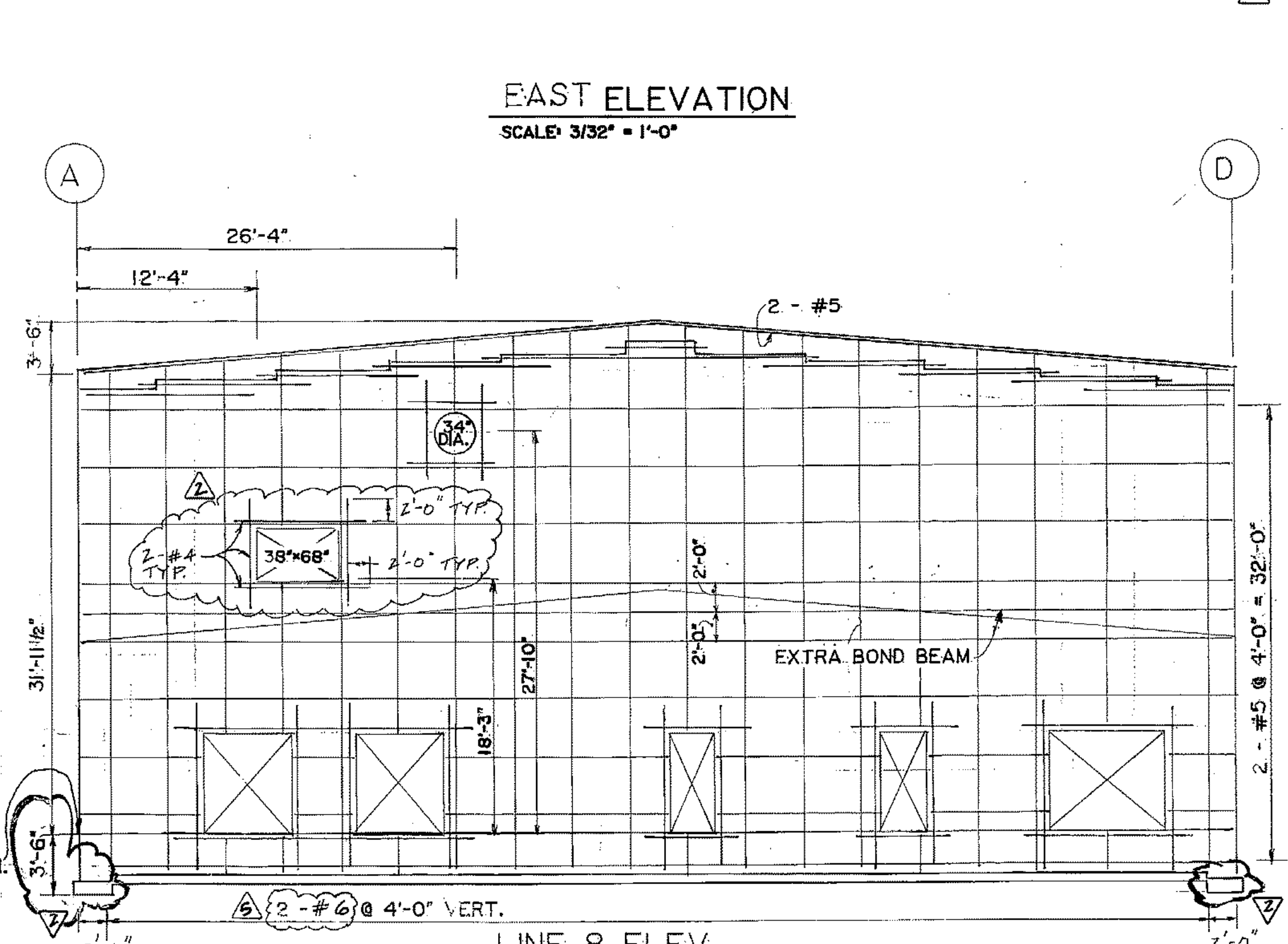
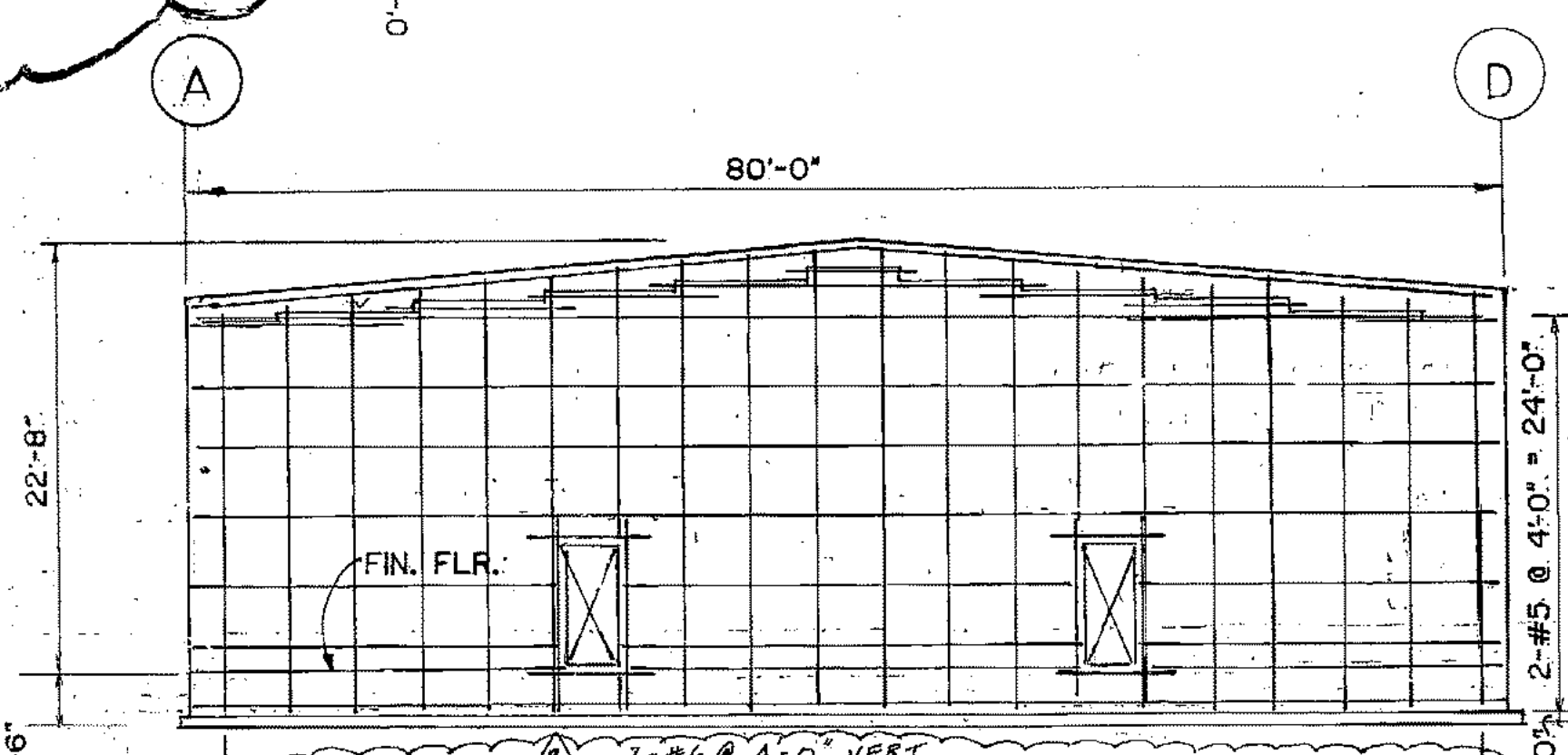


EXTERIOR WALL FRAMING - OFFICE
PLYWOOD - 5/8"
NAILING - PLYWOOD PANEL EDGES 10d @ 8"
INTERMEDIATE MEMBER 10d @ 12"



SIMPSON® HD 6
HOLDOWNS @
OPENINGS.
3 - 3/4" Ø BOLTS
2 - 2x6 STUDS (DETAIL X)
3 - 2x6 STUDS (DETAIL X)
1" Ø ANCHOR BOLT
15" EMBEDMENT

HOLDOWN DETAIL
HOLDOWN ON TAIL

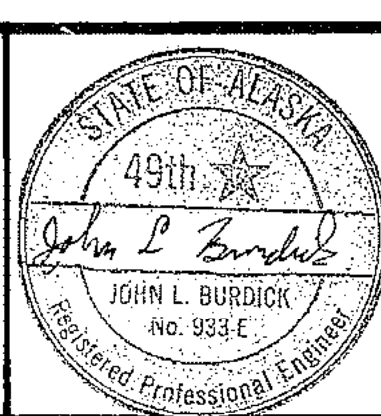
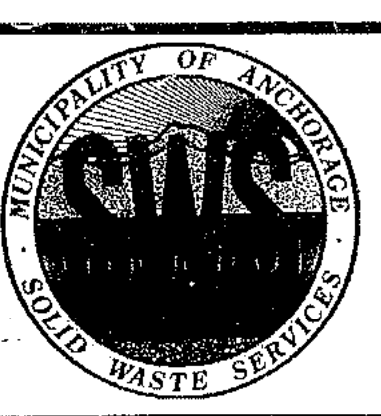


REINF. LAP - 40 BAR DIA.
TYP. ALL REINF.

ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
DESIGNED BY: J. BURDICK
DRAWN BY: E.B., AKF, bh
CHECKED BY: WTH
DATE: FEB. 24, 1987
SCALE: AS NOTED

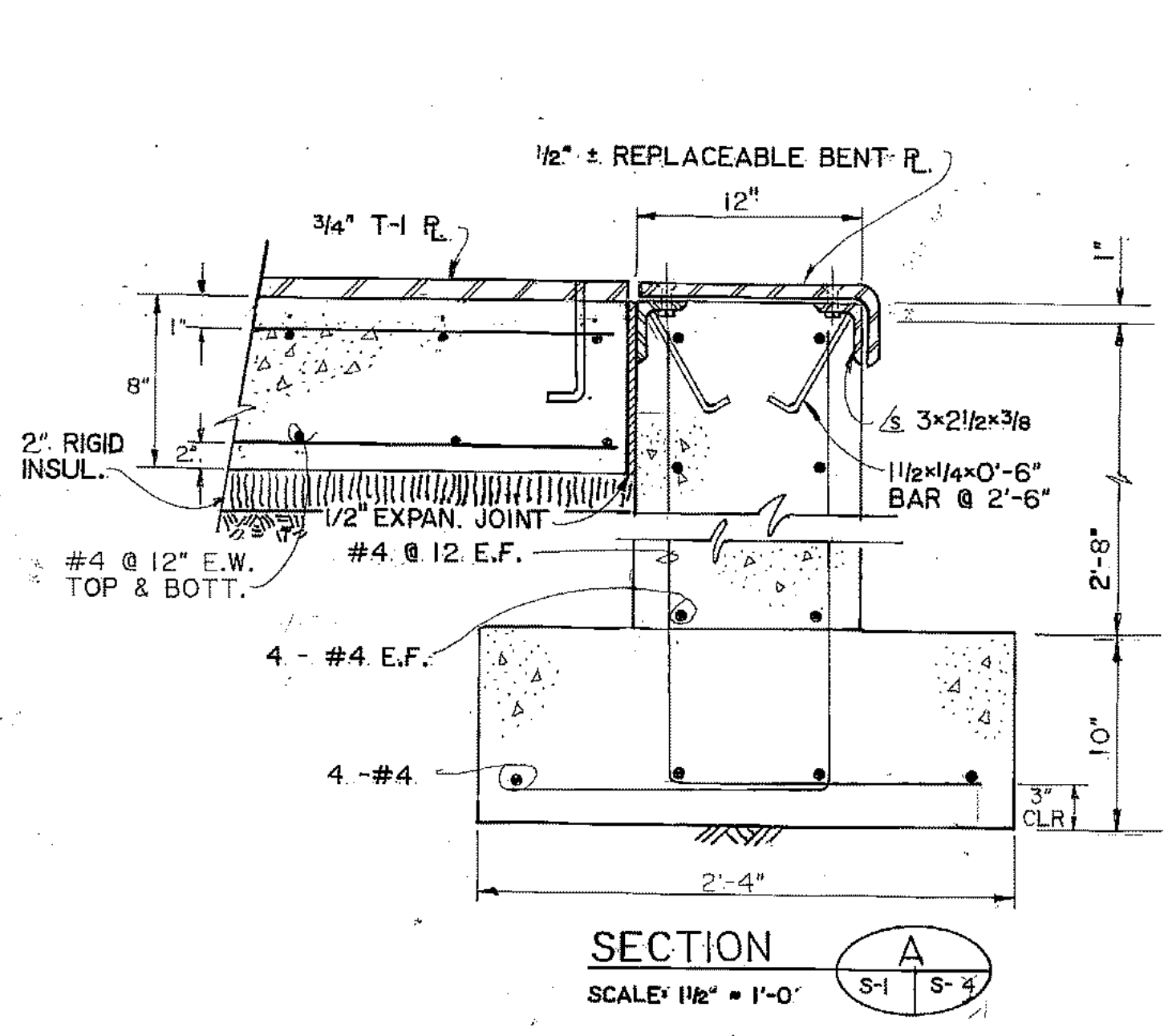
NO.	REVISION	DATE	BY
1	REV. PLYWOOD NAILING	6/4/87	bh
2	REV. STRUCTURAL DETAILS	4-24-87	GJR
3	REV. FOUNDATION DIMENSIONS	4-24-87	GJR



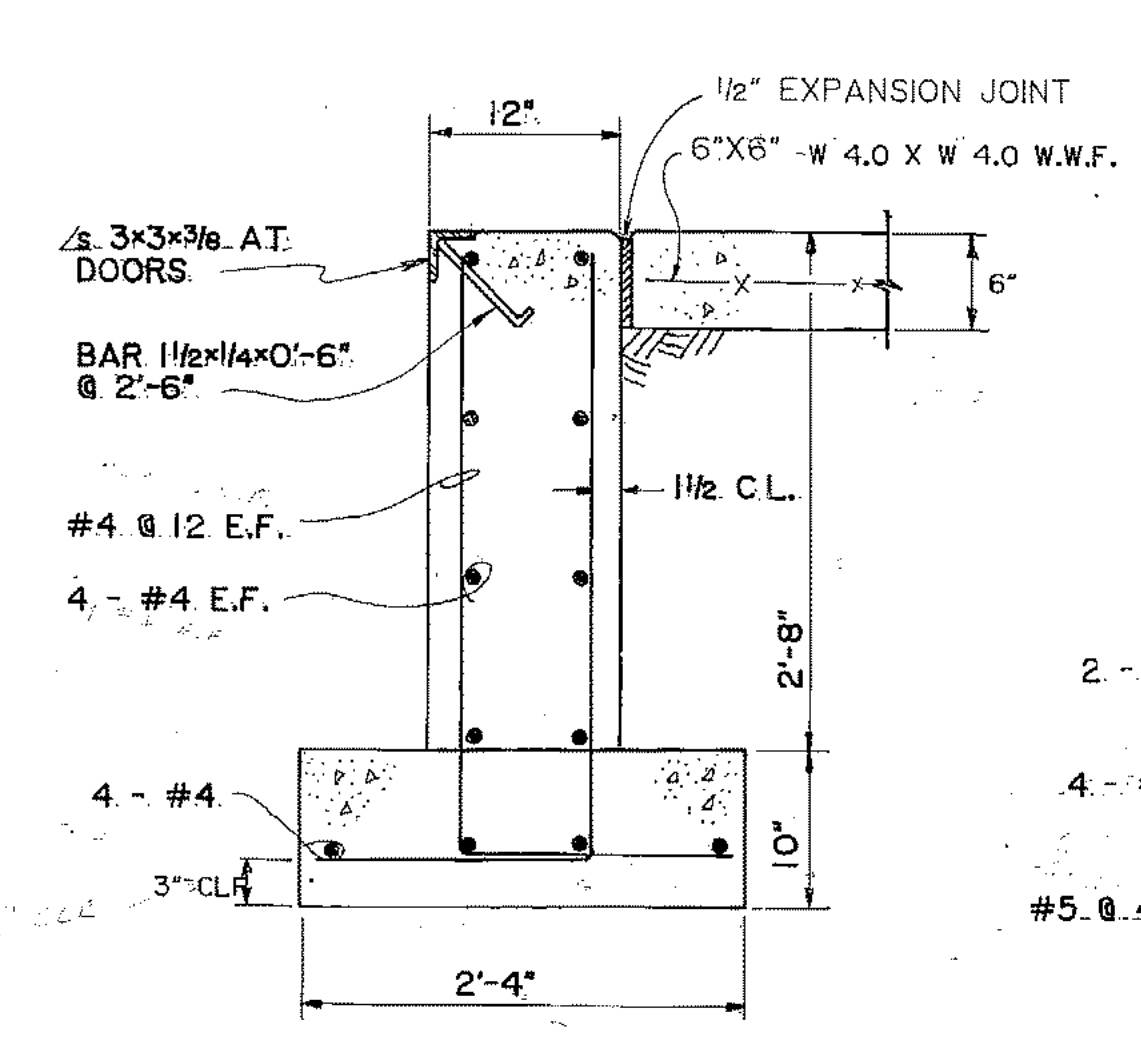
SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
MAINTENANCE / ADMINISTRATION BUILDING
WALL ELEVATIONS

S-3
SHEET 41 OF 85

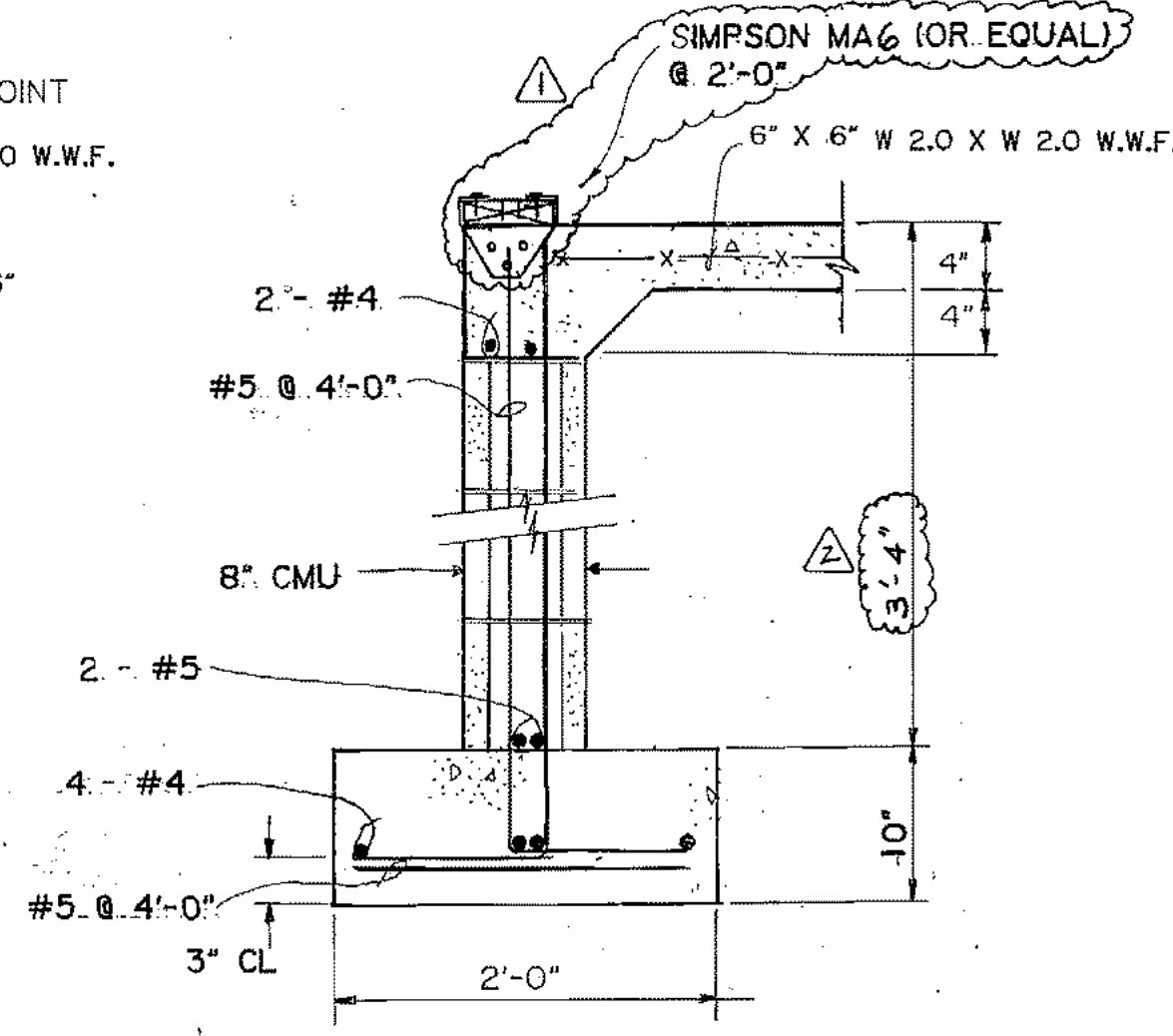
4-5



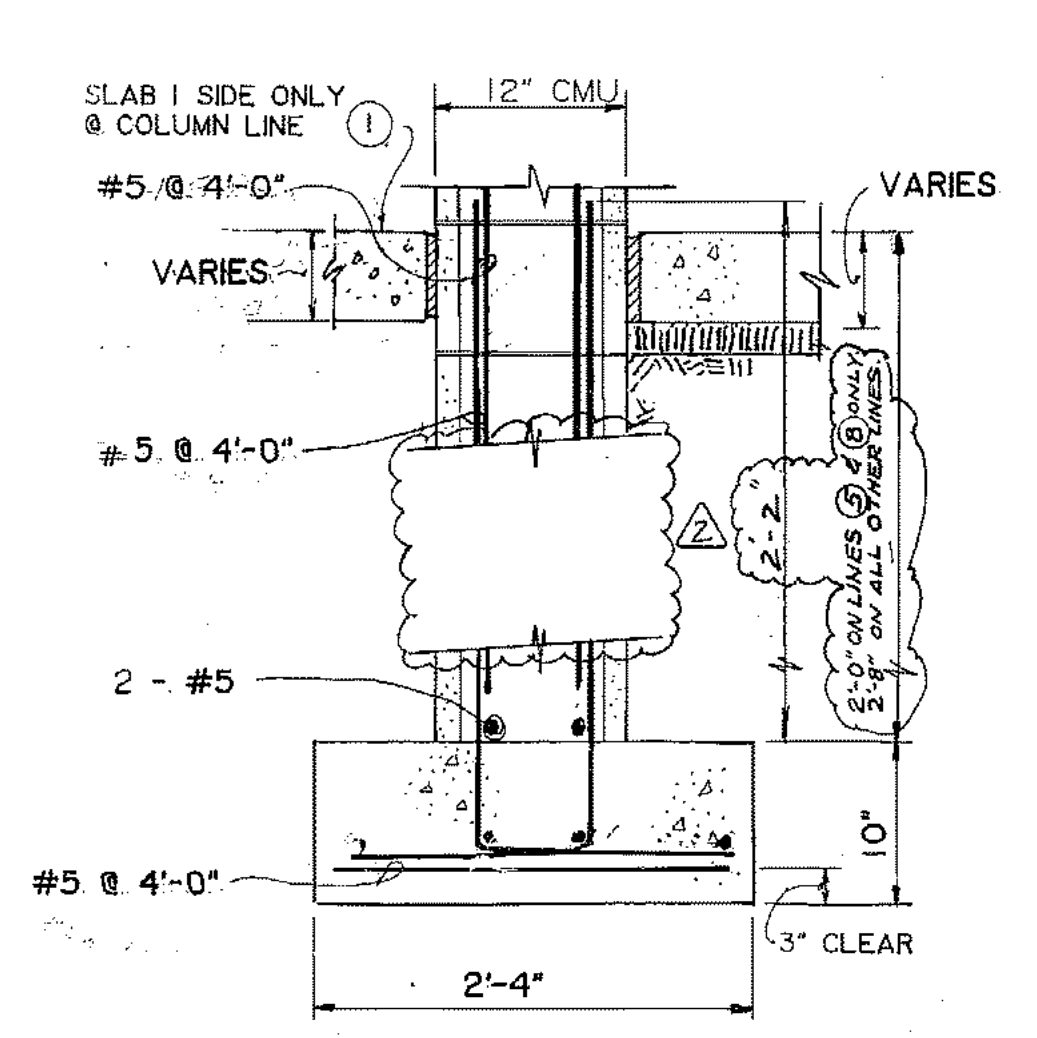
SECTION A
SCALE: 1 1/2\"/>



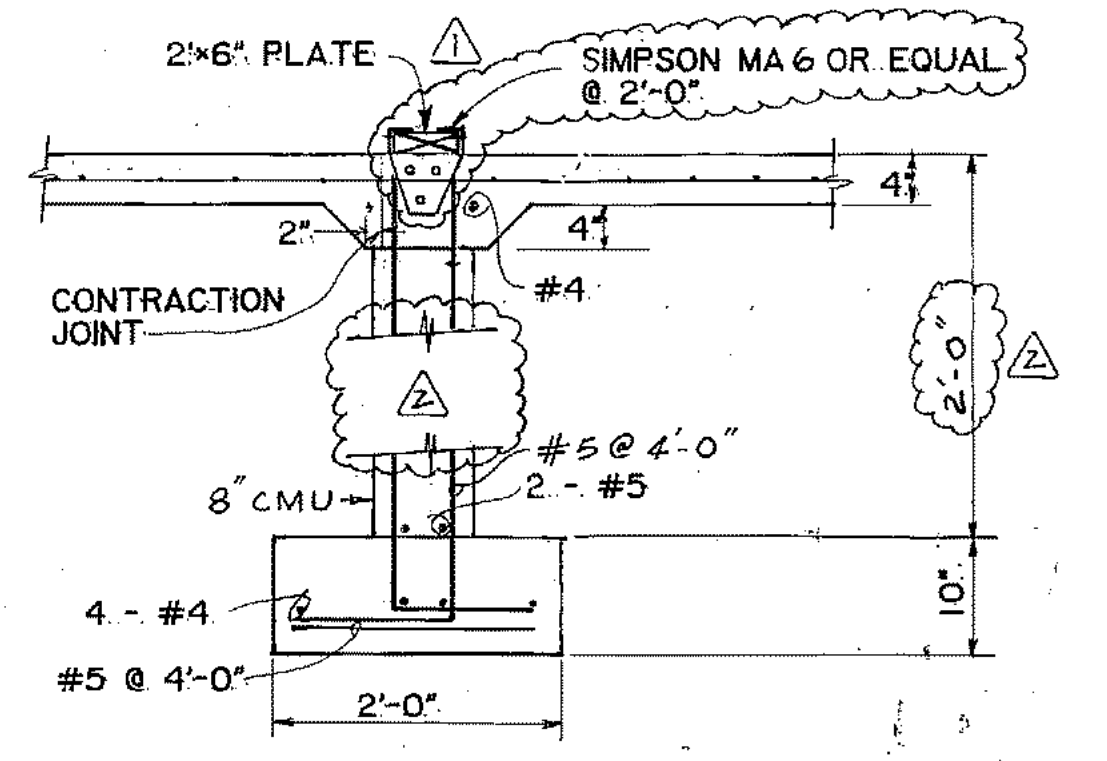
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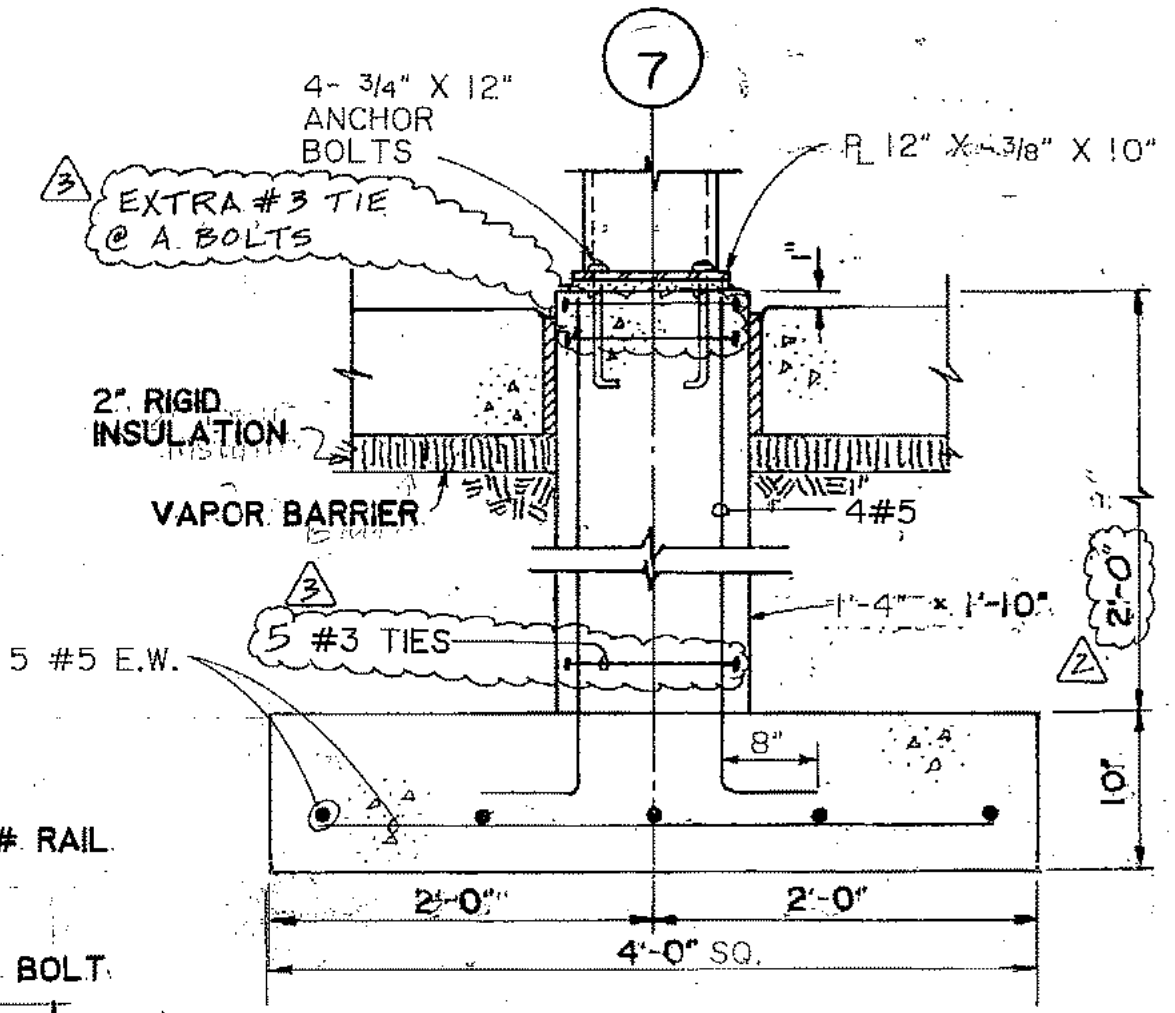
SECTION C
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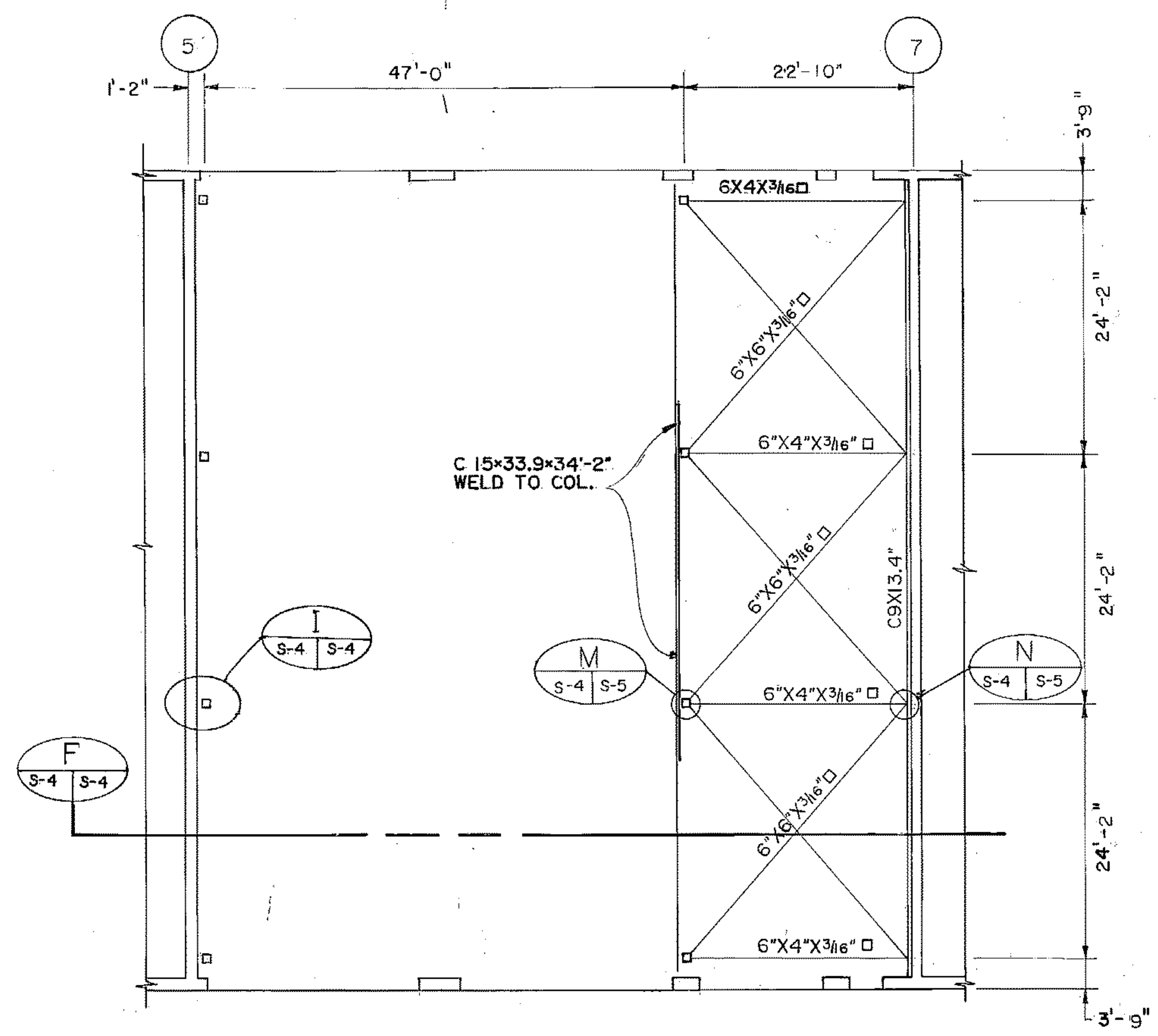
SECTION D
SCALE: 1\"/>



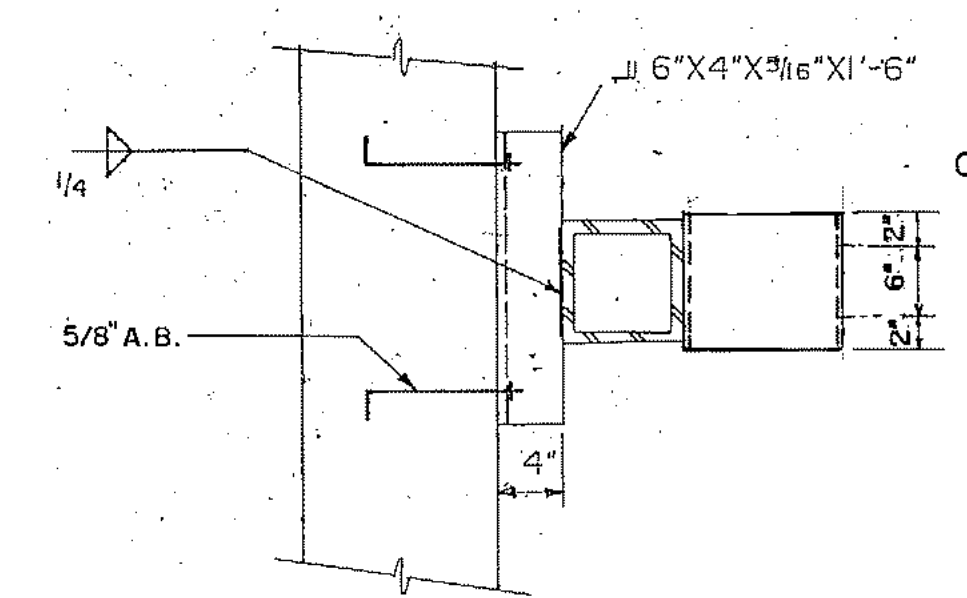
SECTION H
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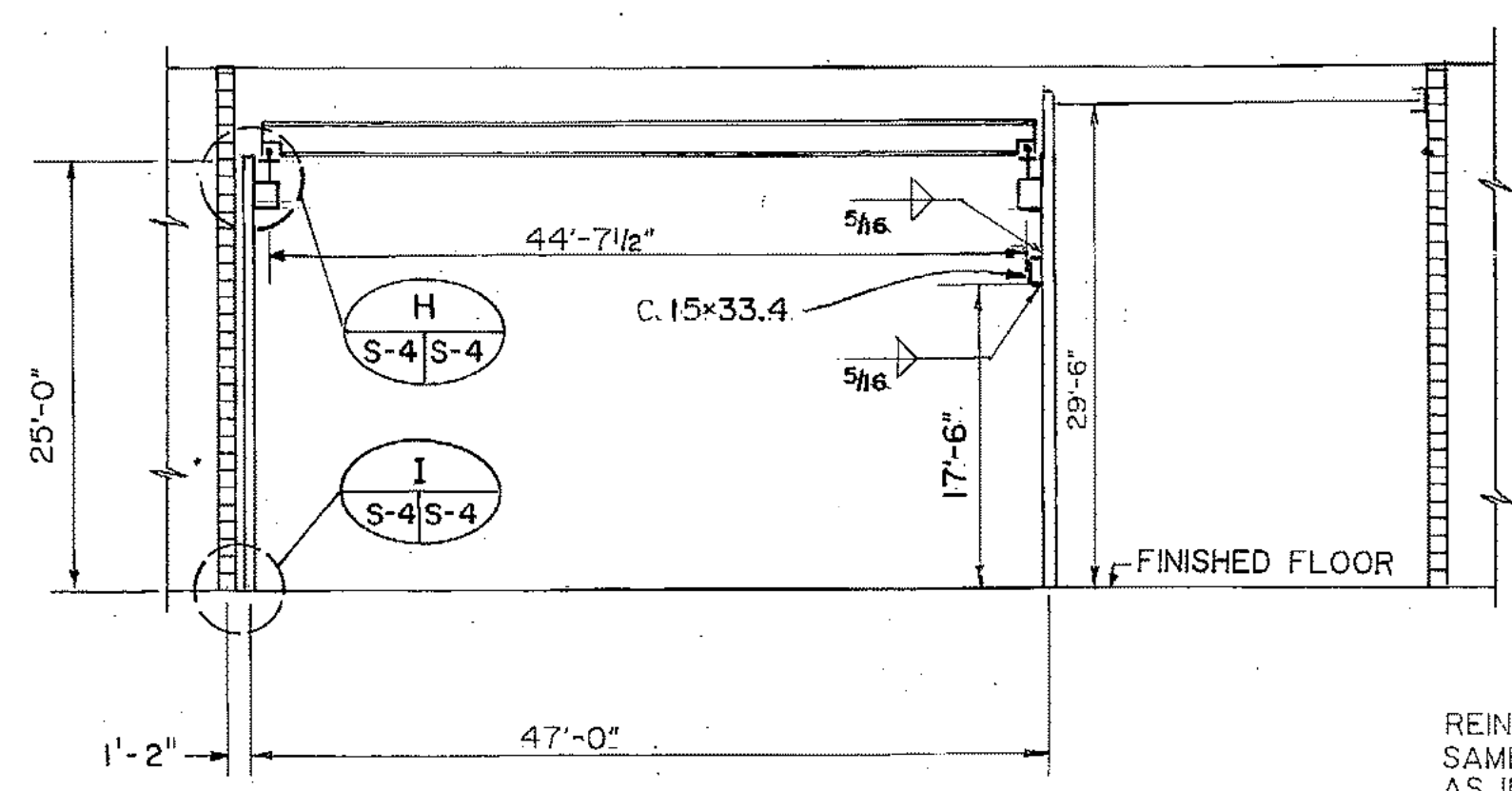
SECTION E
SCALE: 1\"/>



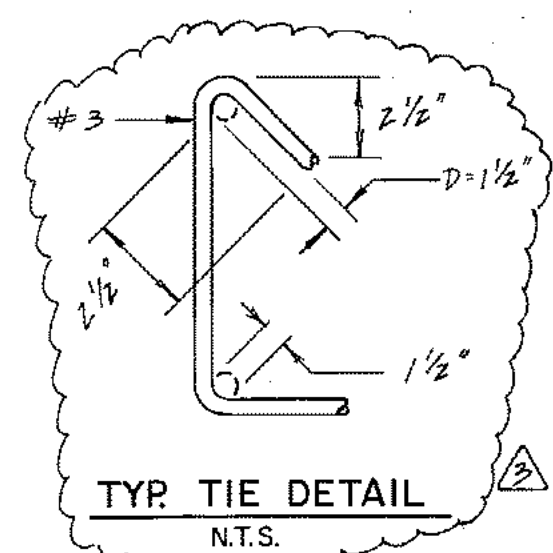
PLAN - OVERHEAD CRANE
SCALE: 3/32\"/>



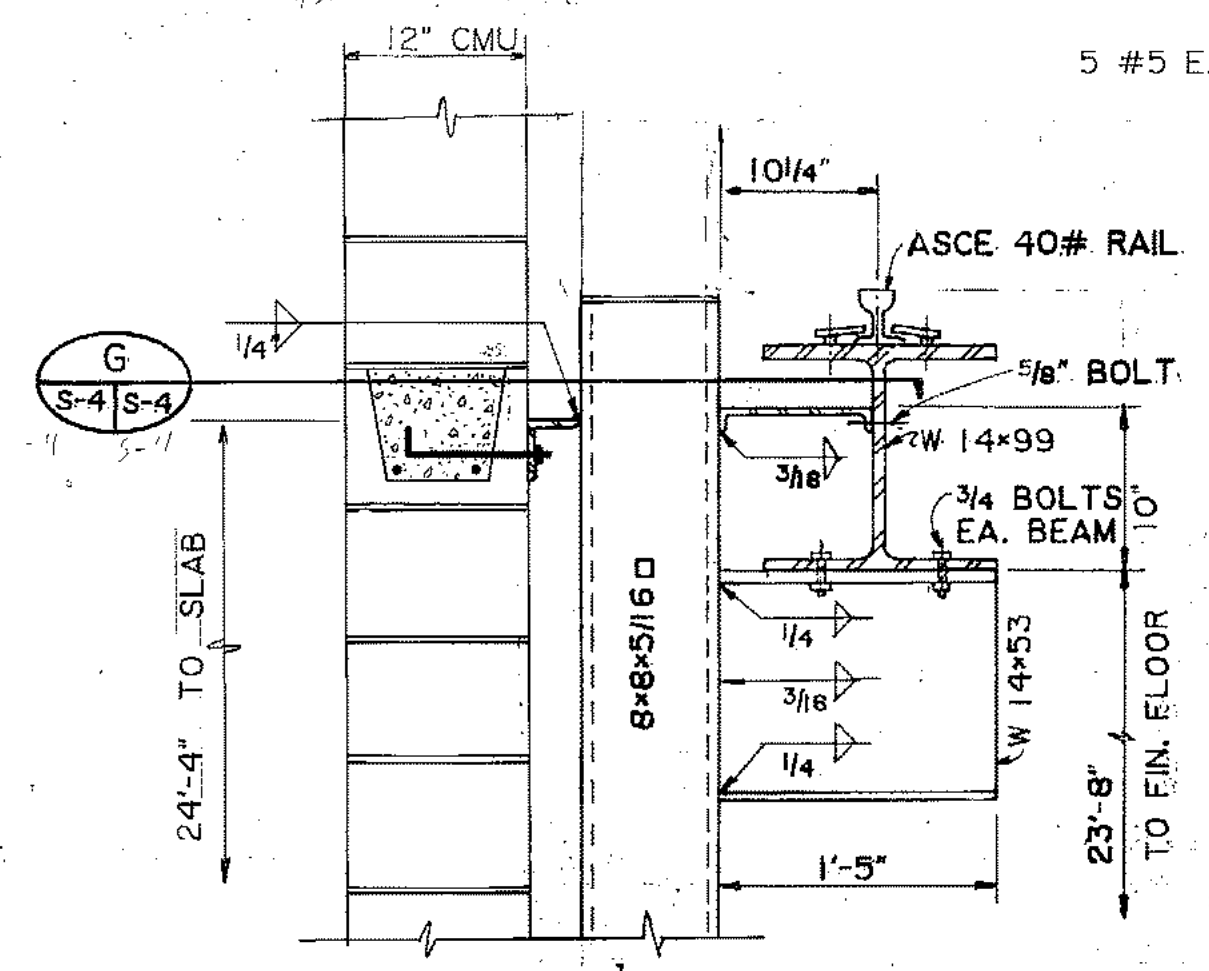
PLAN DETAIL G
SCALE: 1\"/>



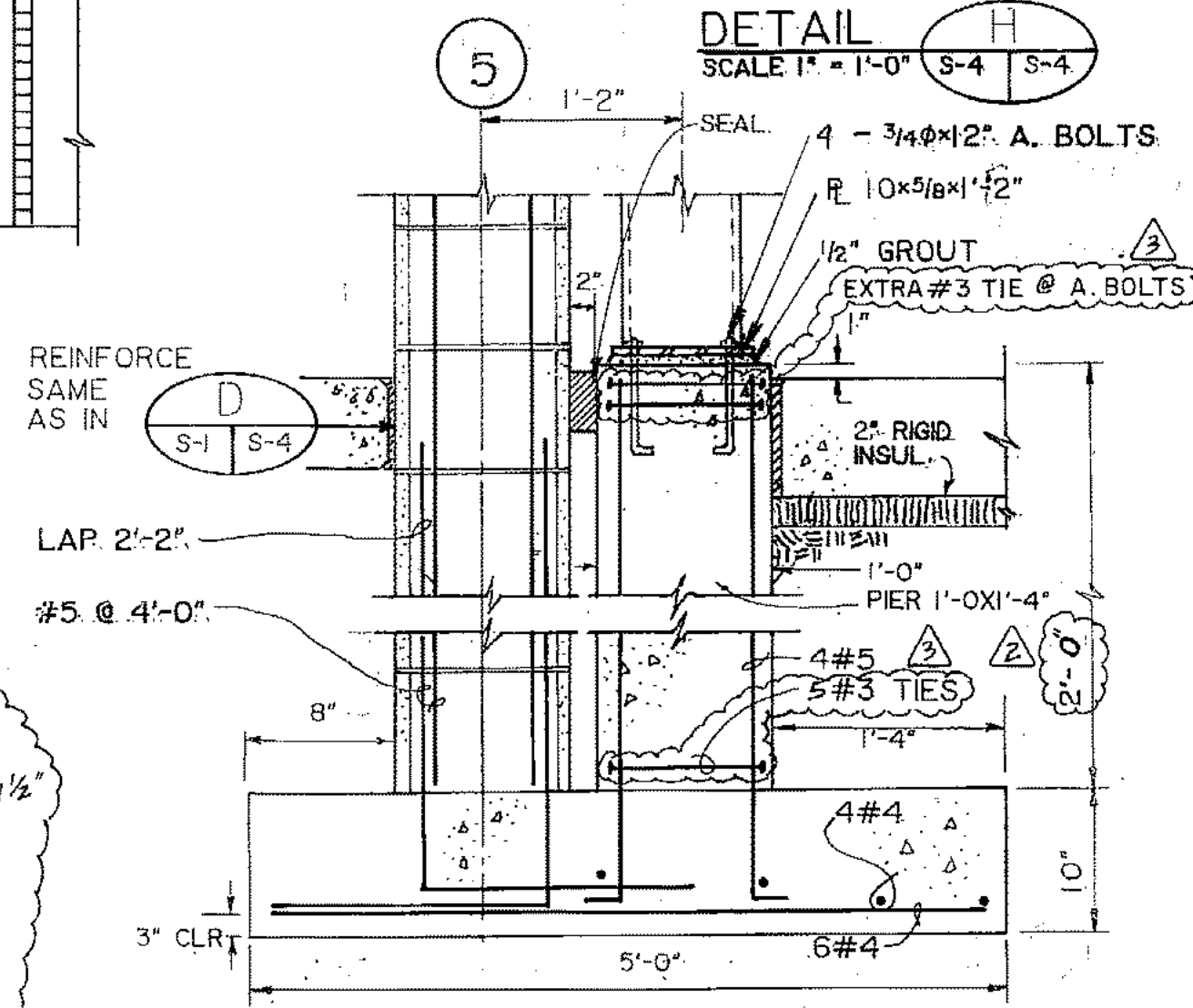
SECTION F
SCALE: 3/32\"/>



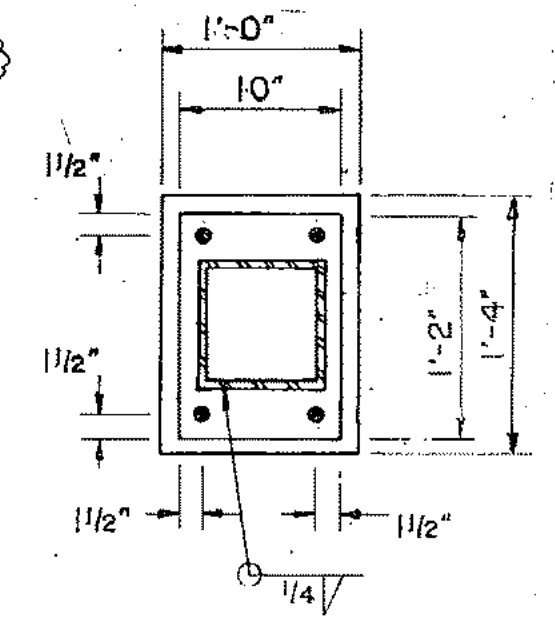
TYP TIE DETAIL
N.T.S.



DETAIL H
SCALE: 1\"/>



DETAIL I
SCALE: 1\"/>



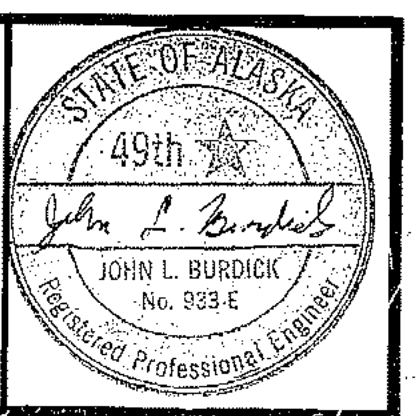
PLAN
SCALE: 1\"/>

- NOTE:
- ALL FOOTINGS & SLABS TO BE AS SHOWN ON
 - VAPOR BARRIER REQUIRED BELOW FLOOR SLAB.

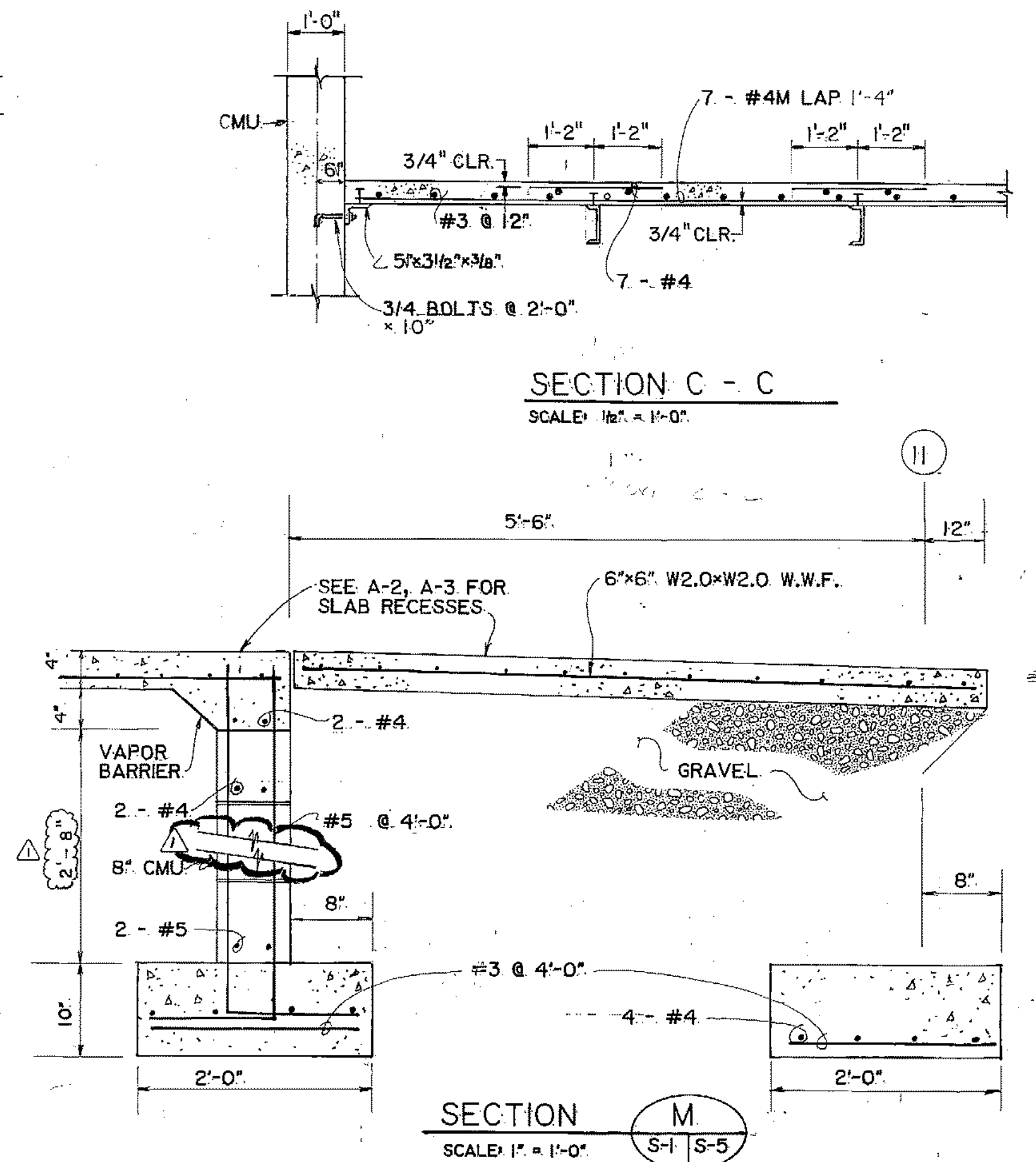
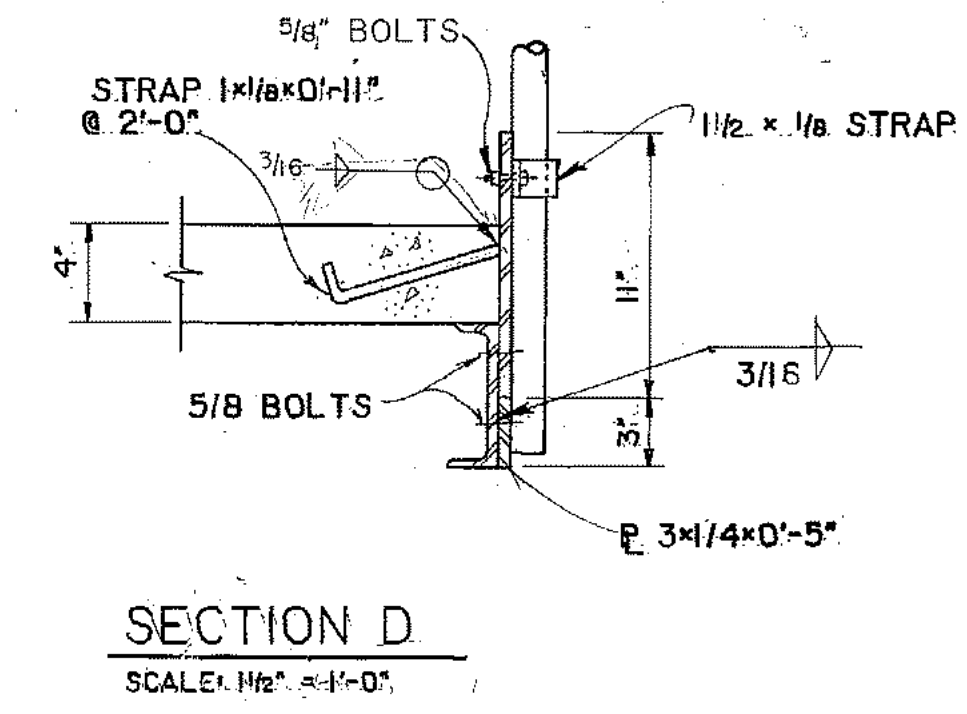
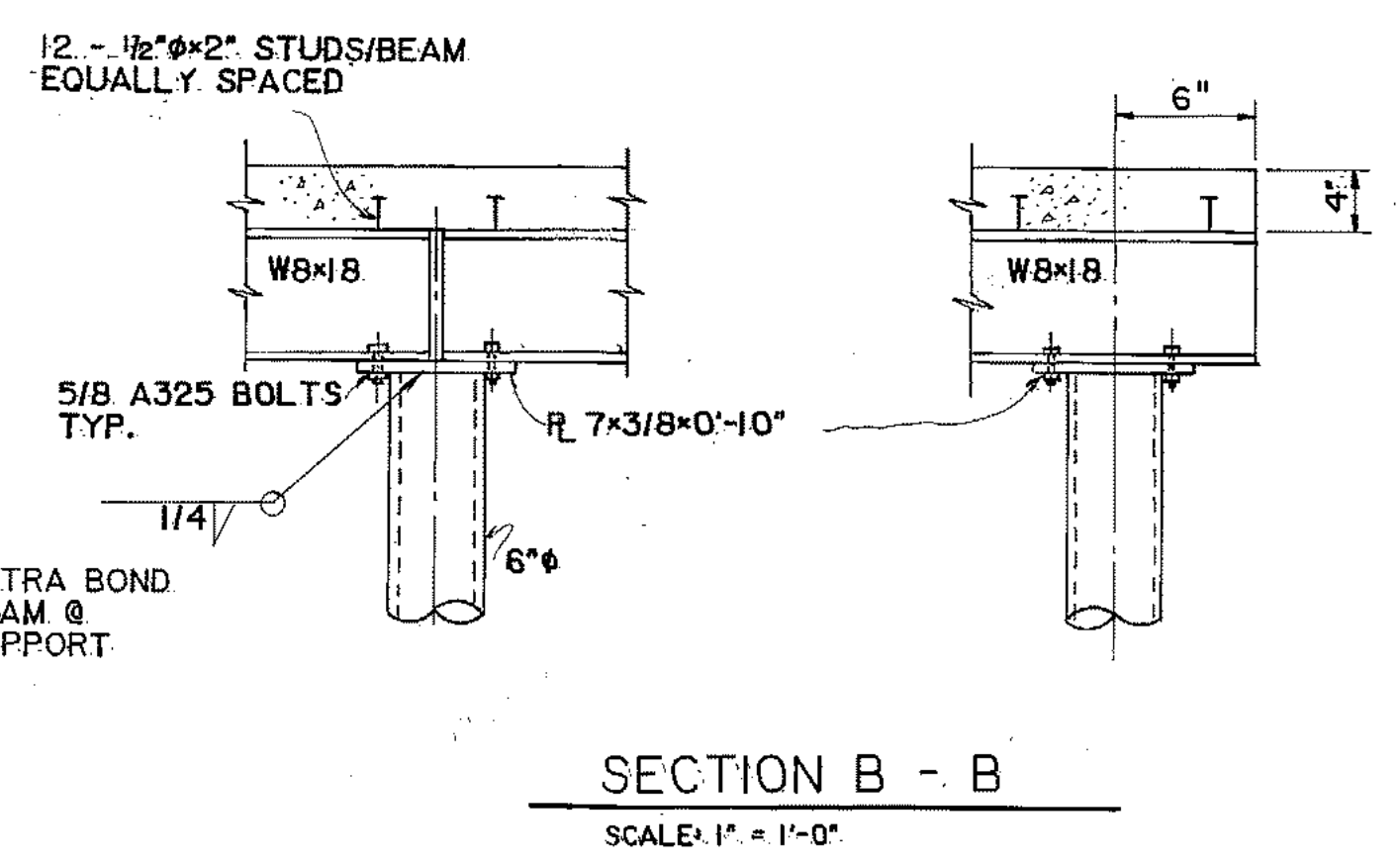
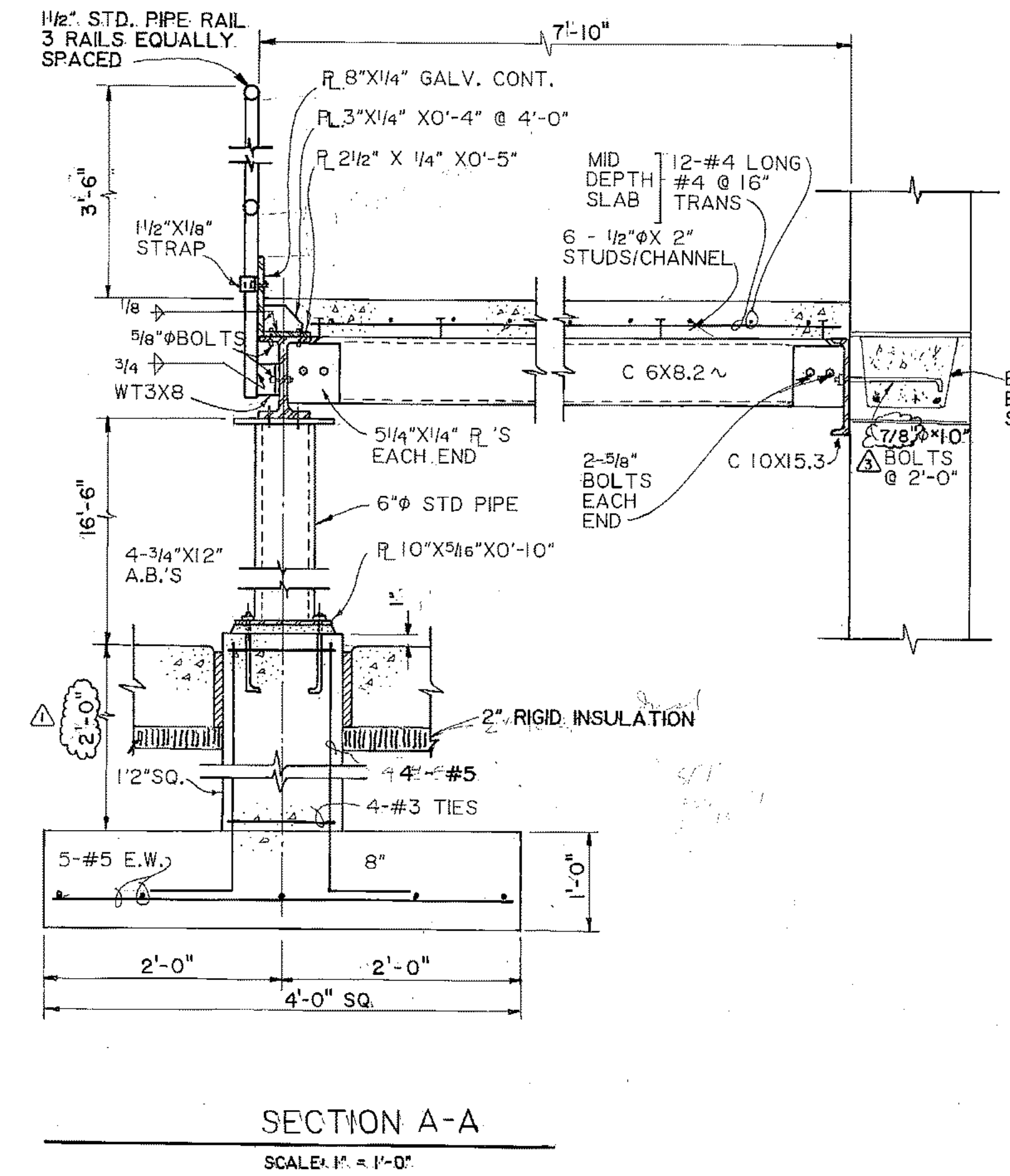
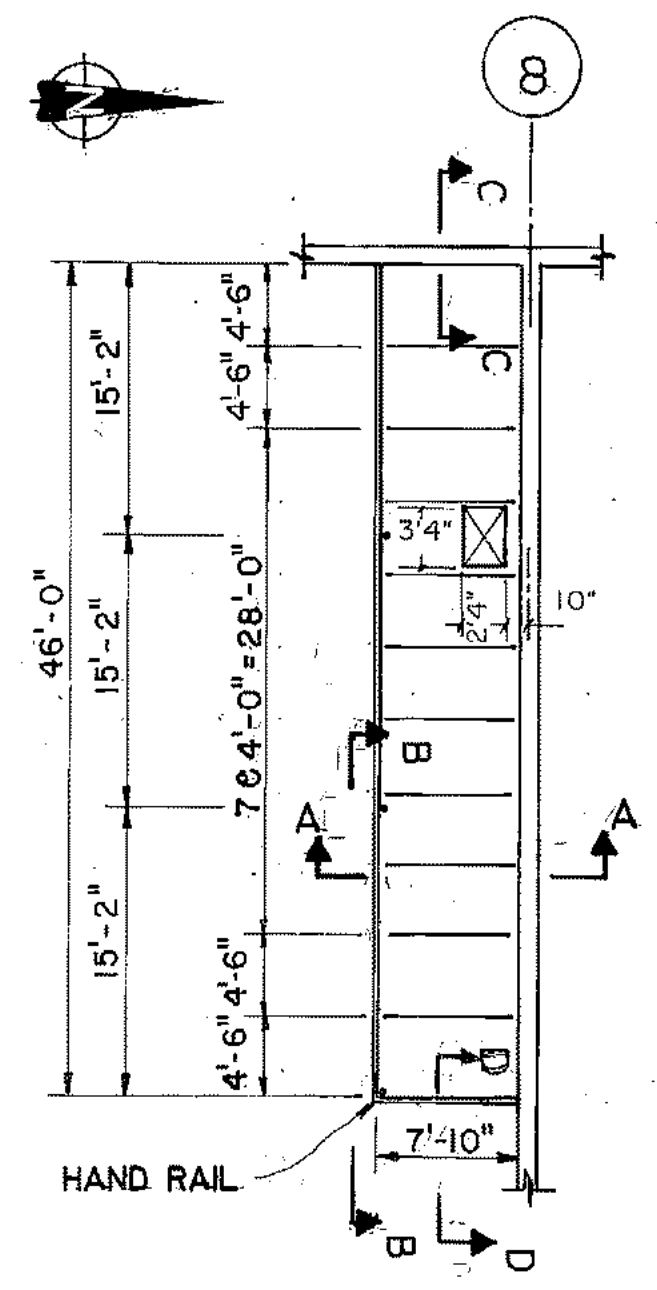
ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO.	86-010-02 MOA
DESIGNED BY	J.L. BURDICK
DRAWN BY	F.M., E.B.
CHECKED BY	WTH
DATE	FEB. 24, 1987
SCALE	AS NOTED

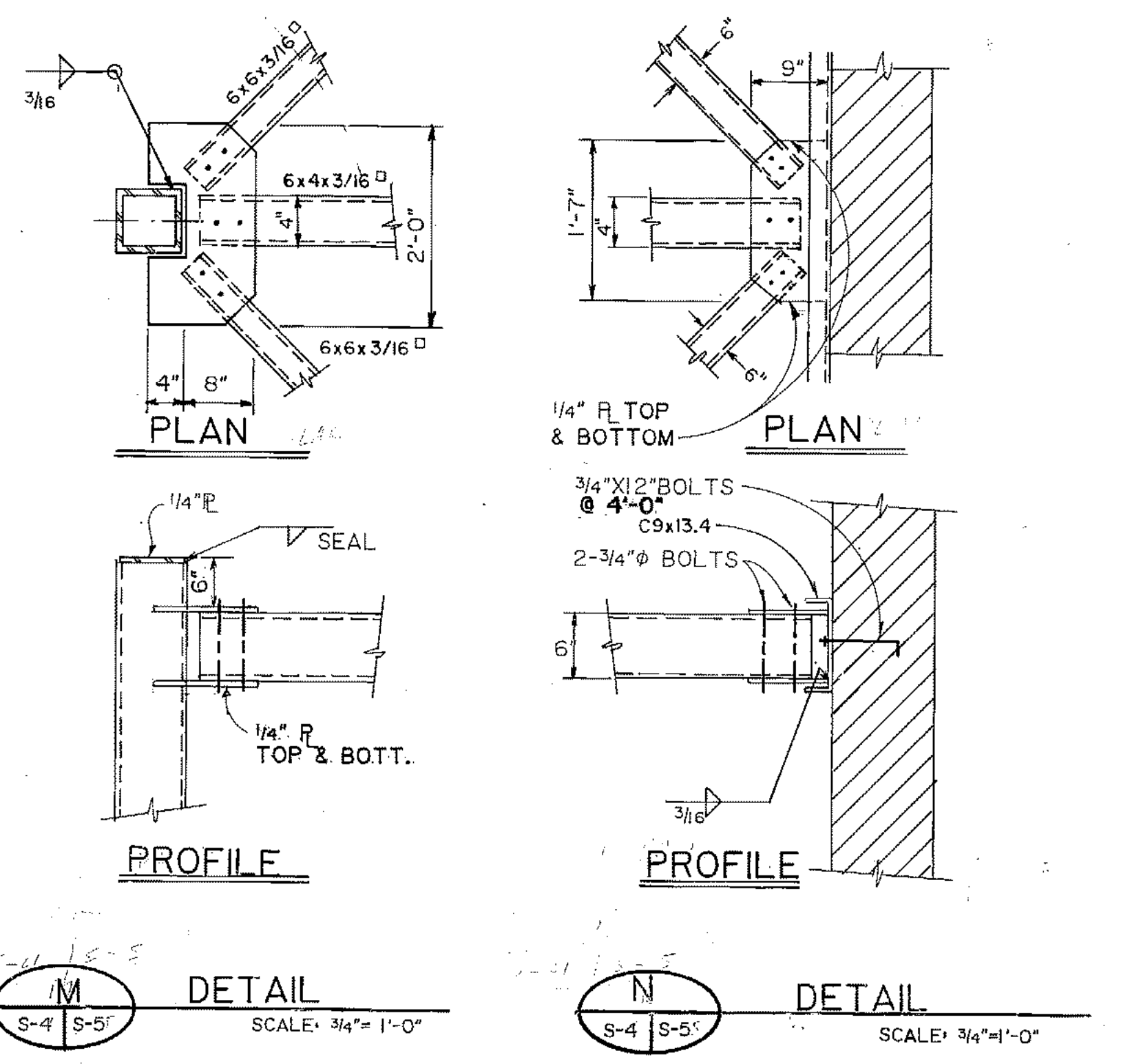
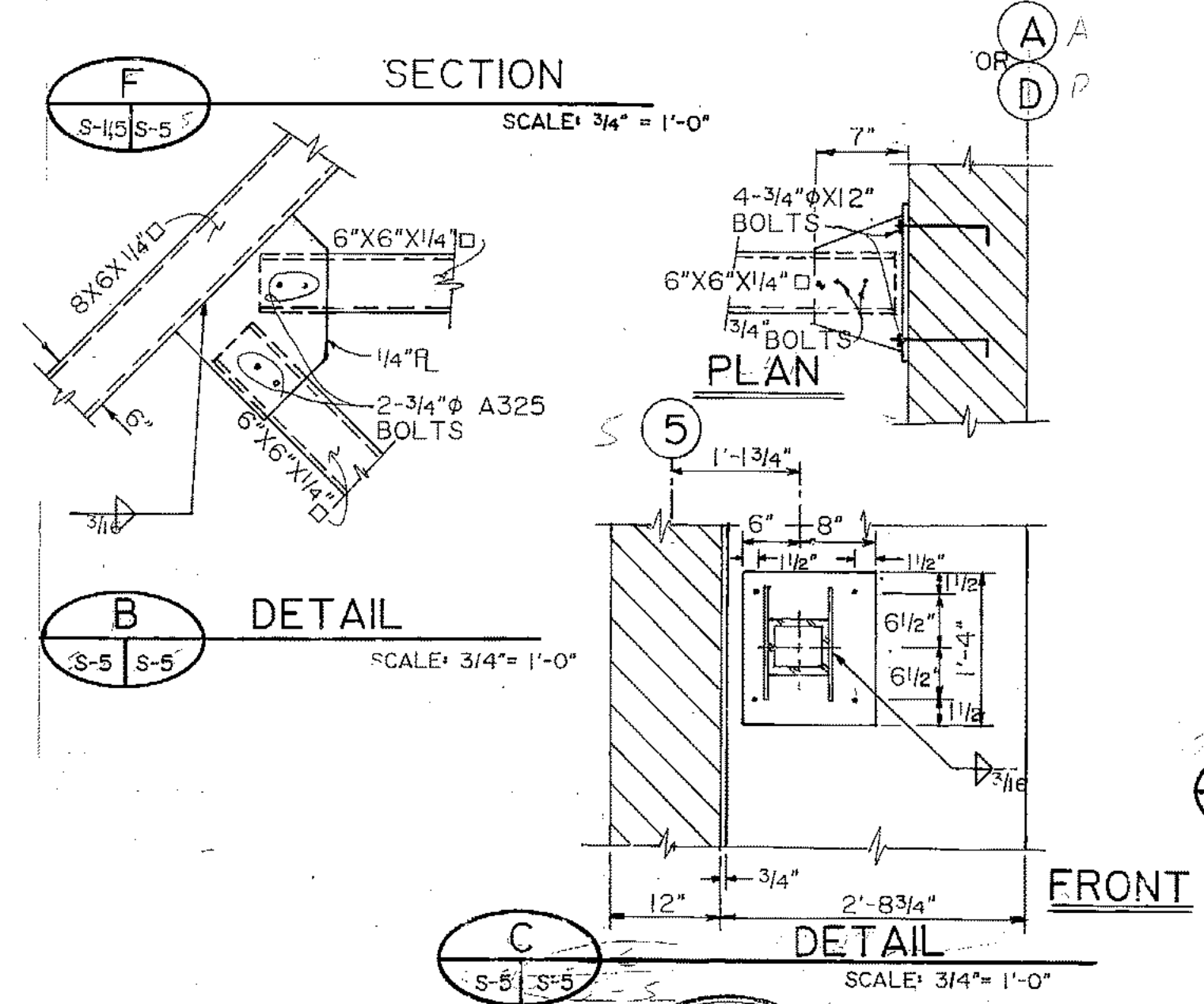
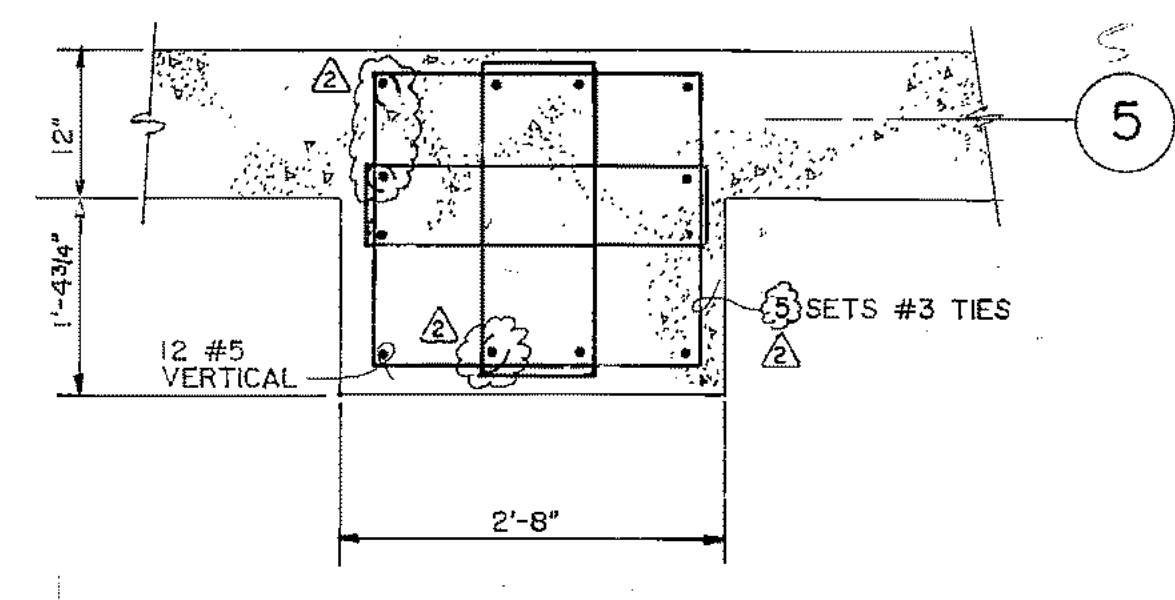
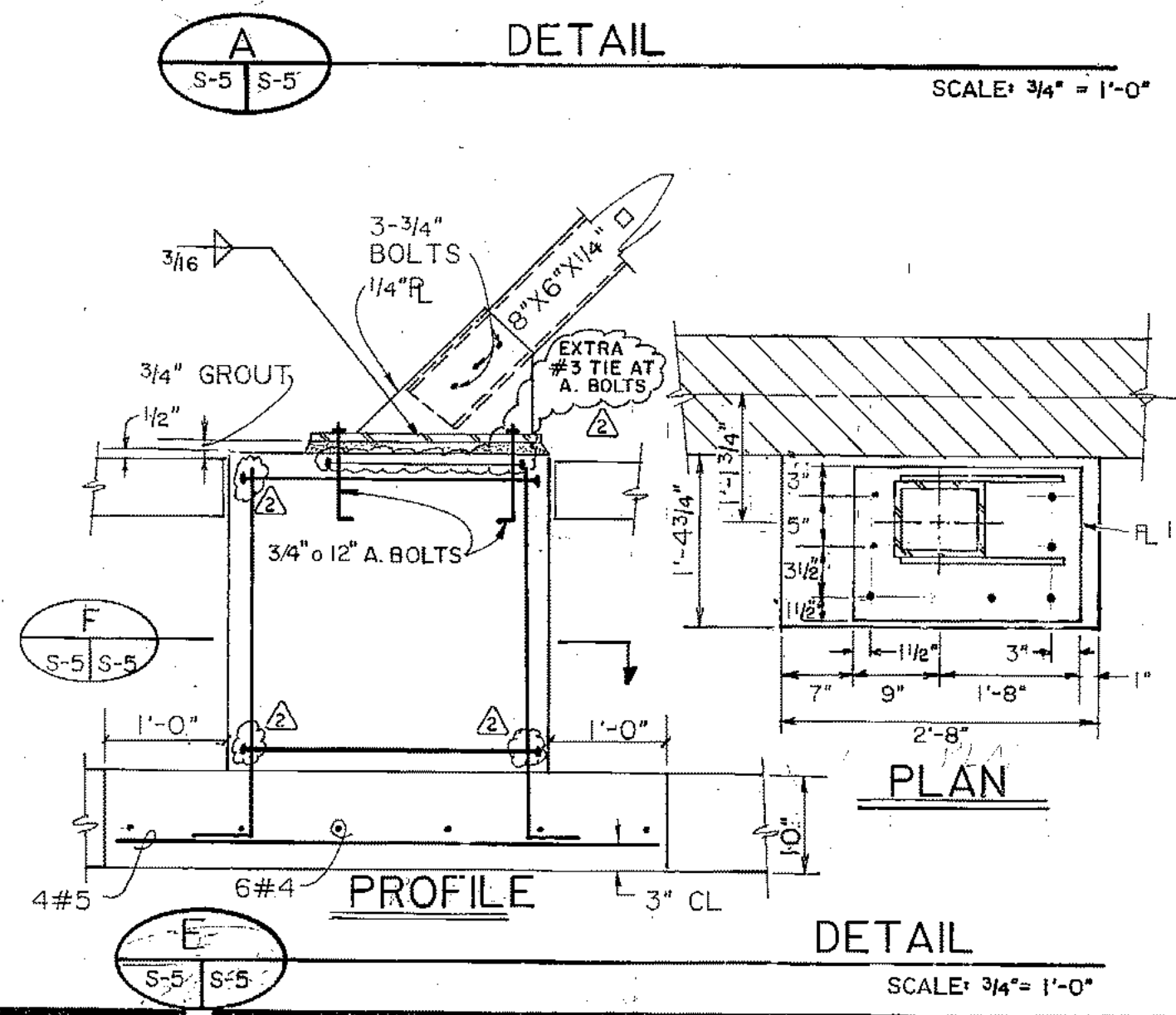
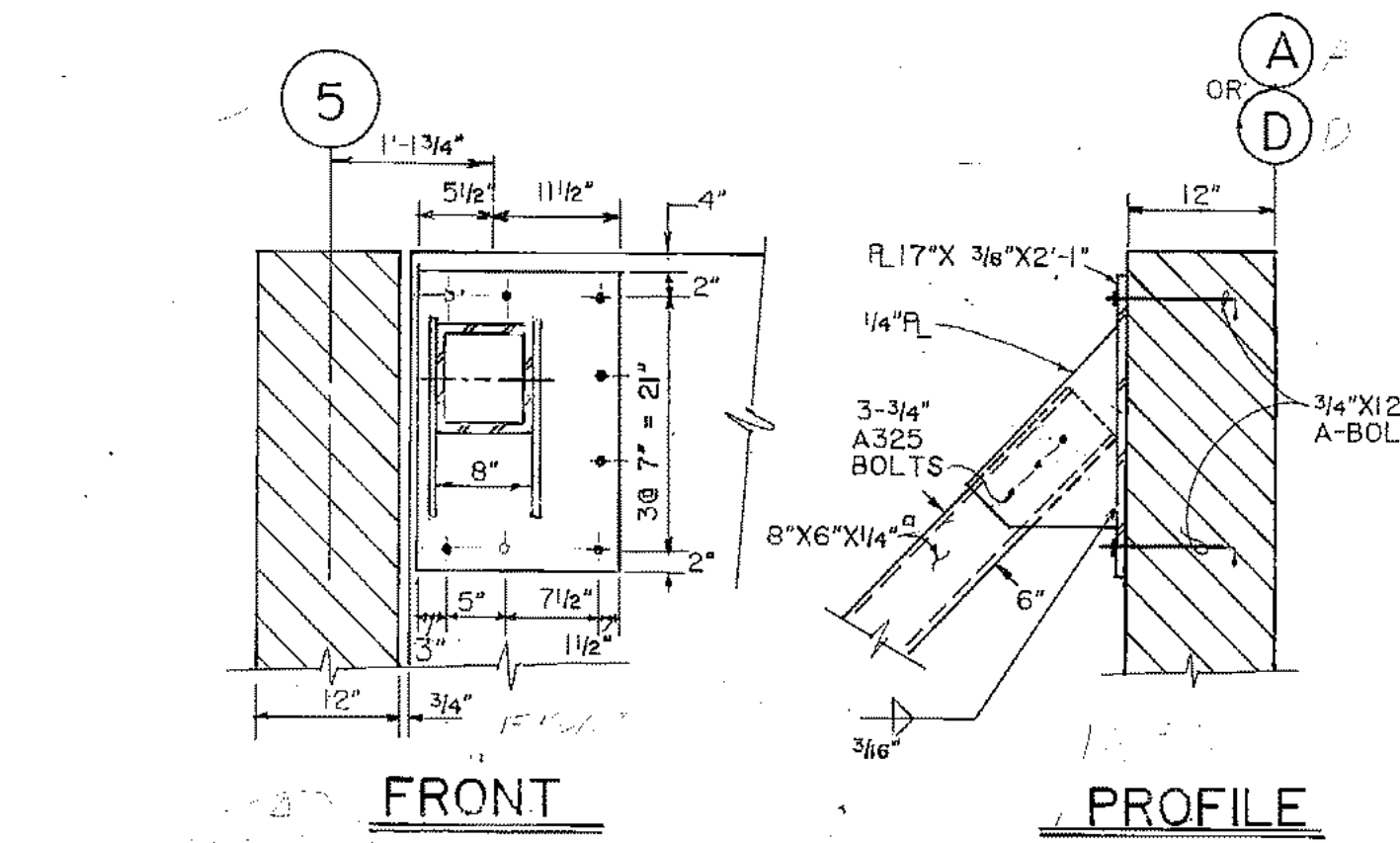
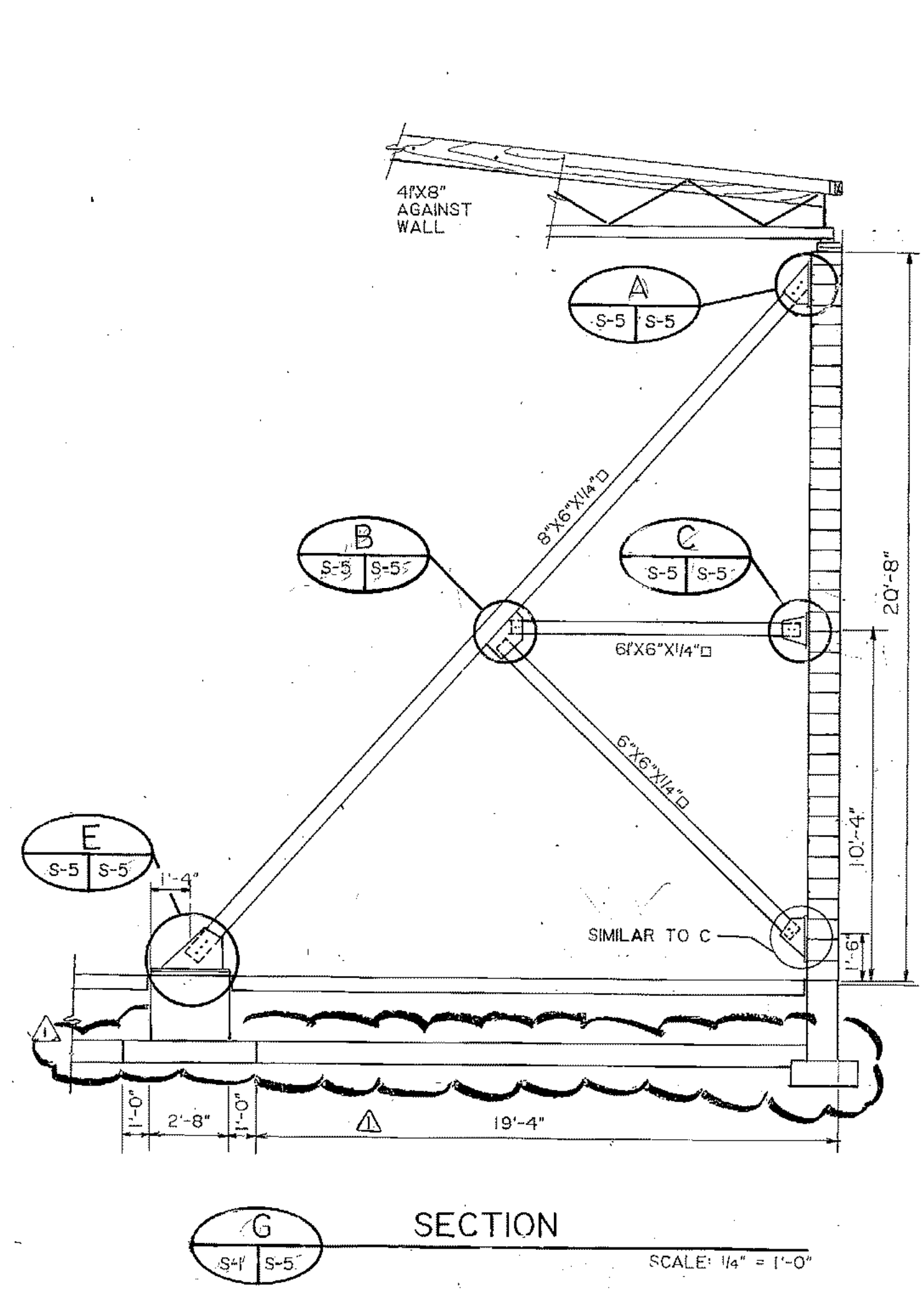
NO.	REVISION	DATE	BY
1	CHG. TIE DETAILS	4-24-87	GJR
2	CHG. FOUND. DIMEN.	4-24-87	GJR
3	CHG. MUDSILL ANCHORS	4-24-87	GJR



SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
MAINTENANCE / ADMINISTRATION BUILDING
DETAILS

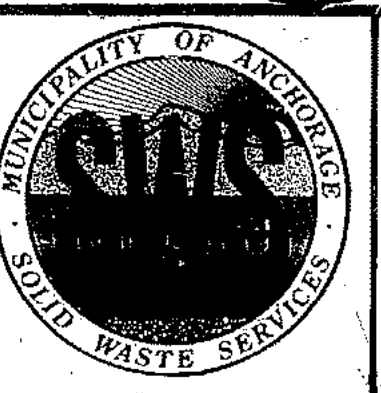


NORTH ENTRANCE DETAIL - OFFICE BUILDING
EAST & WEST ENTRANCE DETAILS SIMILAR



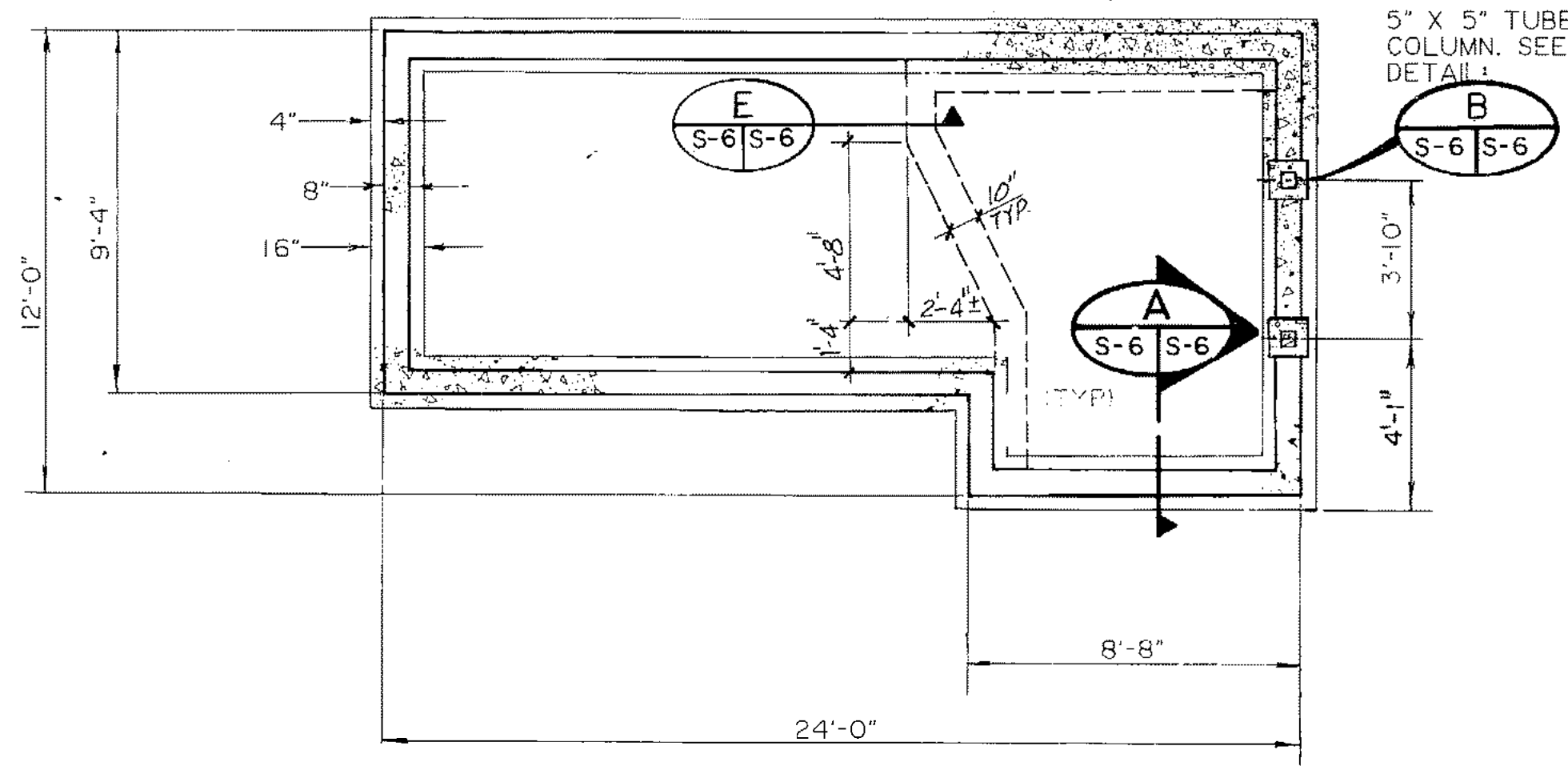
PROJECT NO. 86-010-02 MOA
 DESIGNED: J.L. BURDICK
 DRAWN: F.M., E.B., AKF, bh
 CHECKED: WTH
 DATE: FEB. 24, 1987
 SCALE: AS NOTED

NO.	REVISION	DATE	BY
1	CHG BOLT φ	4-23-87	GTR
2	ADD #3 TIES	4-23-87	GTR
3	FOUNDATION MODIFICATIONS	ADD	GTR

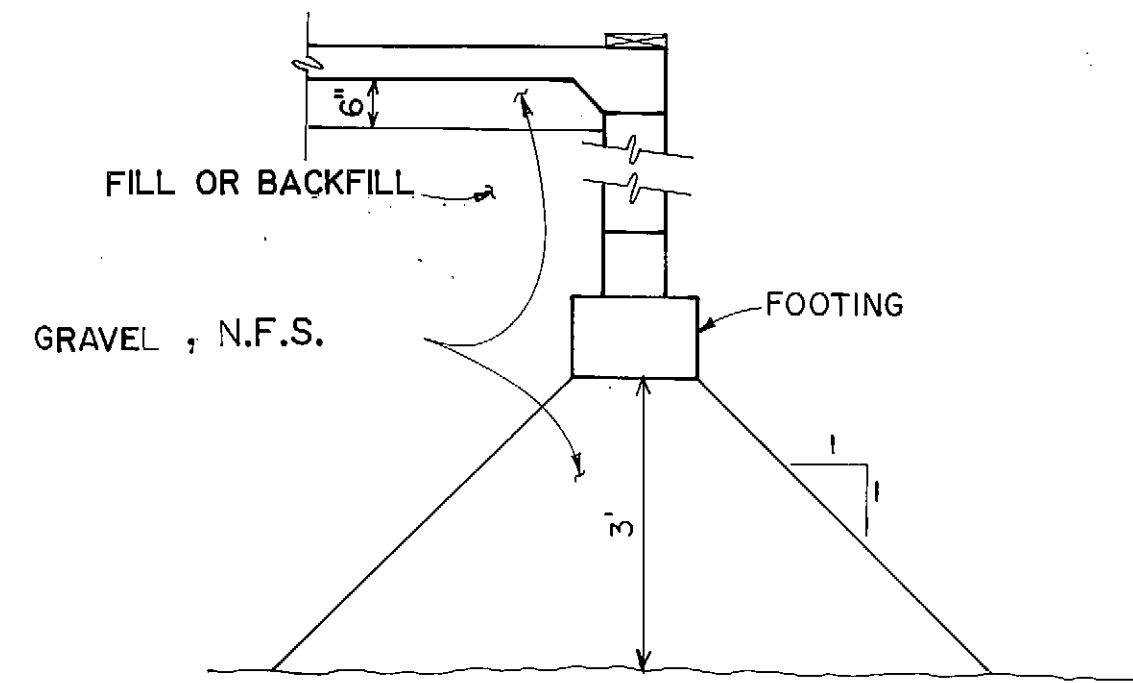


SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
 DETAILS

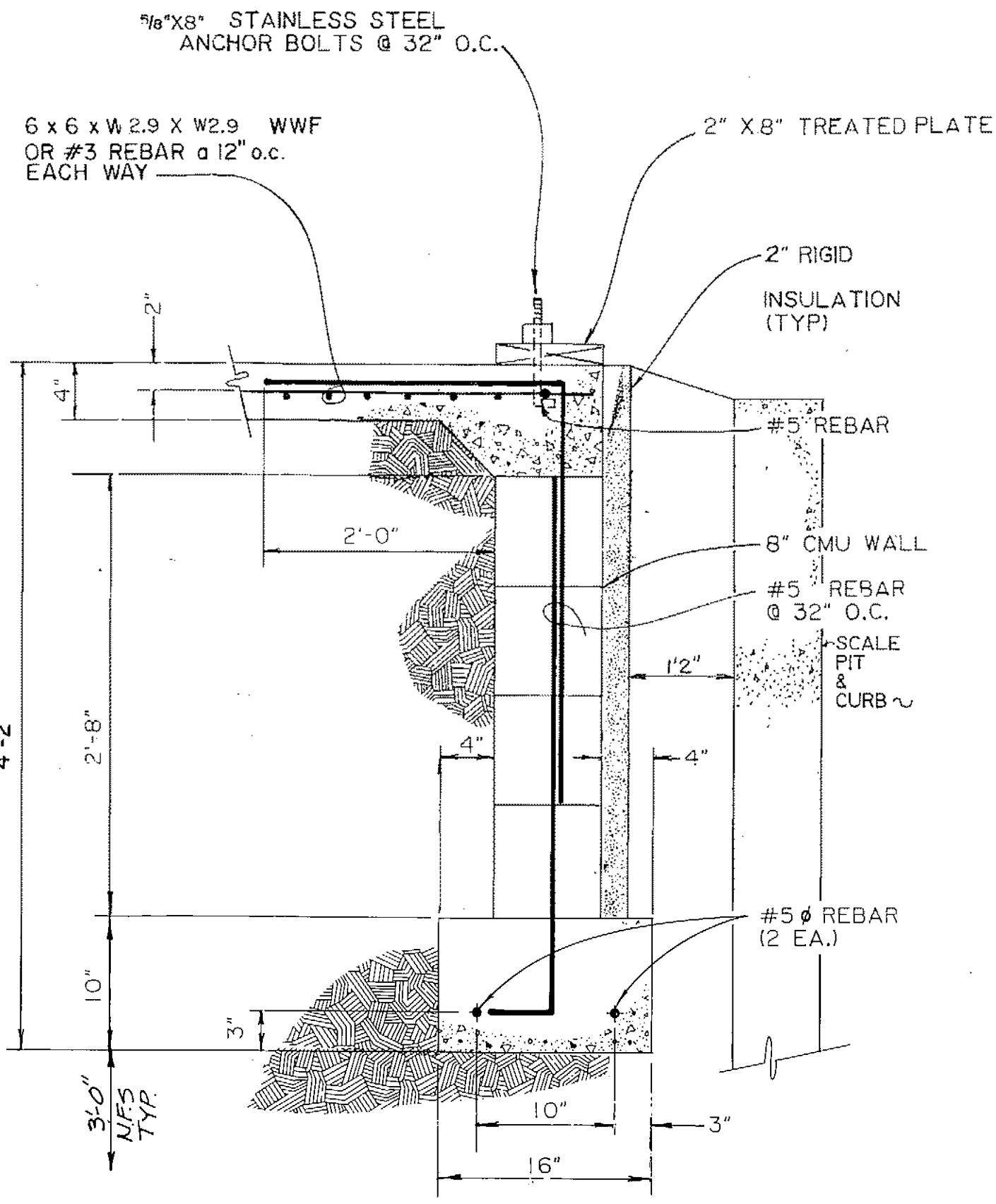
2-5



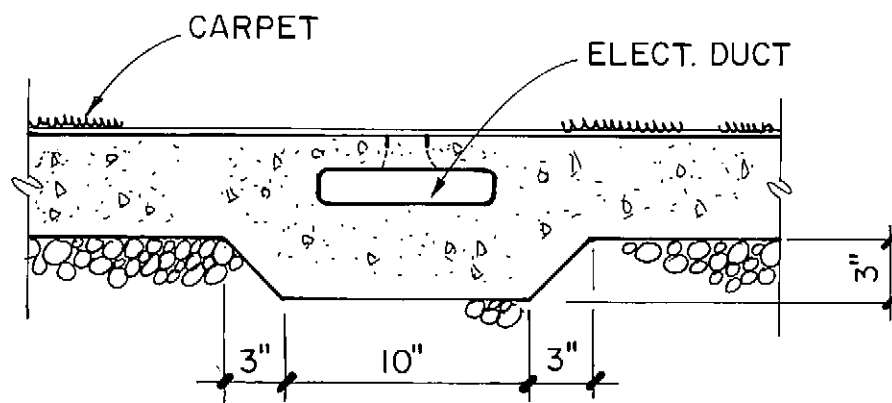
1 SCALE HOUSE - FOUNDATION PLAN
S-6 1/4" = 1'-0"



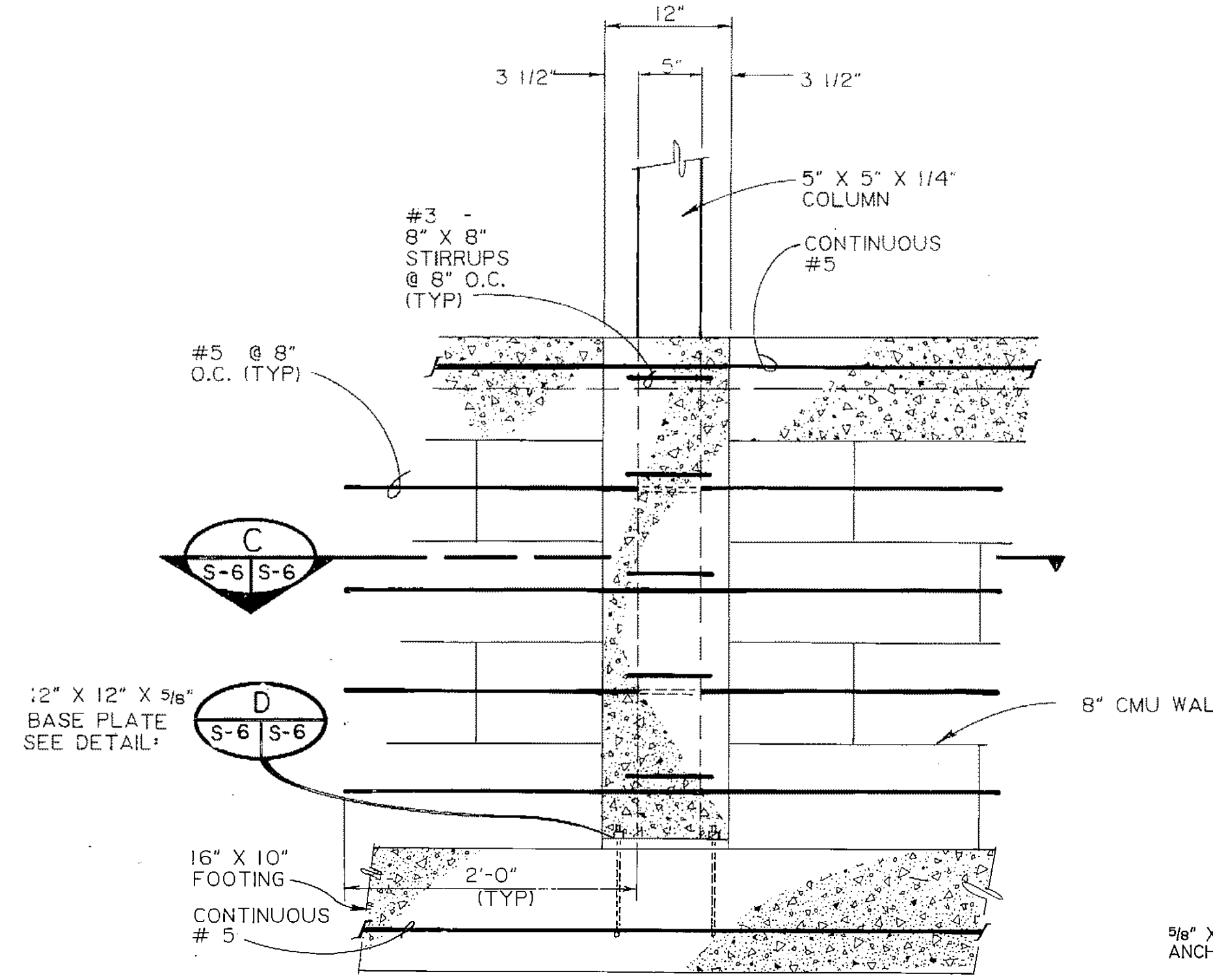
2 TYPICAL FOUNDATION
S-6 N.T.S.



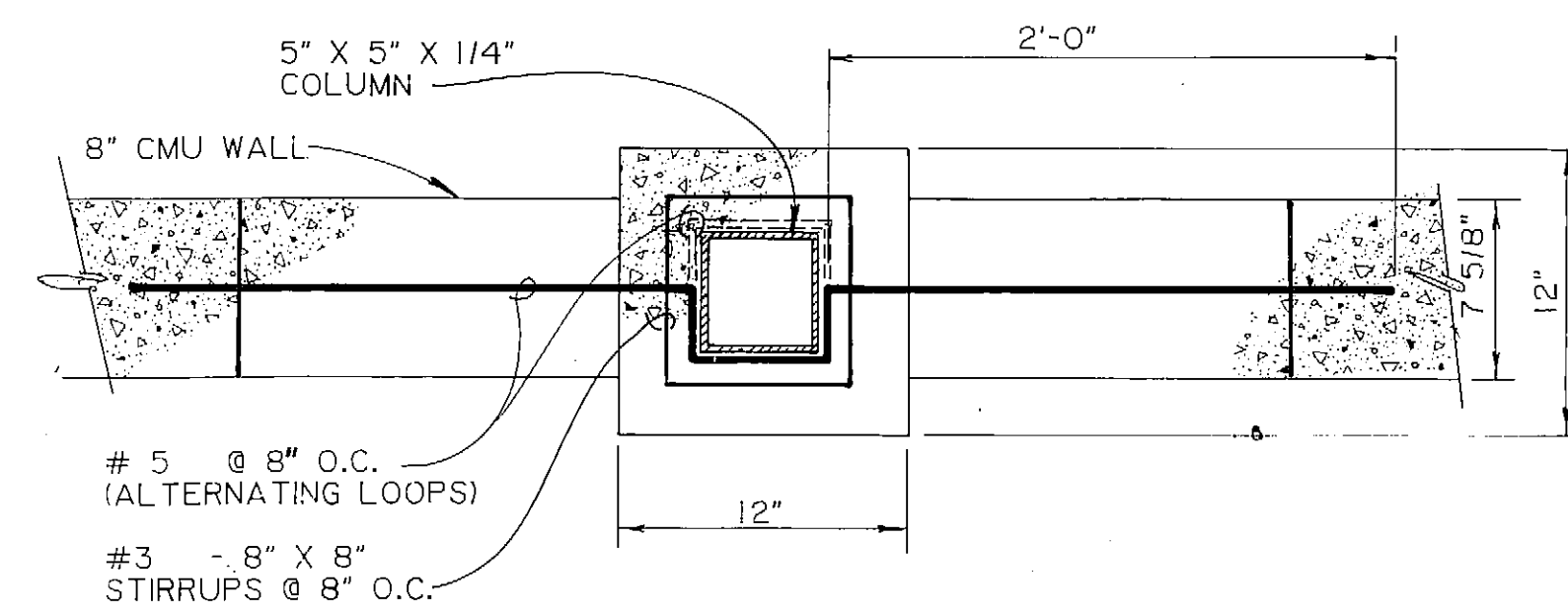
A SECTION
S-6 S-6 N.T.S.



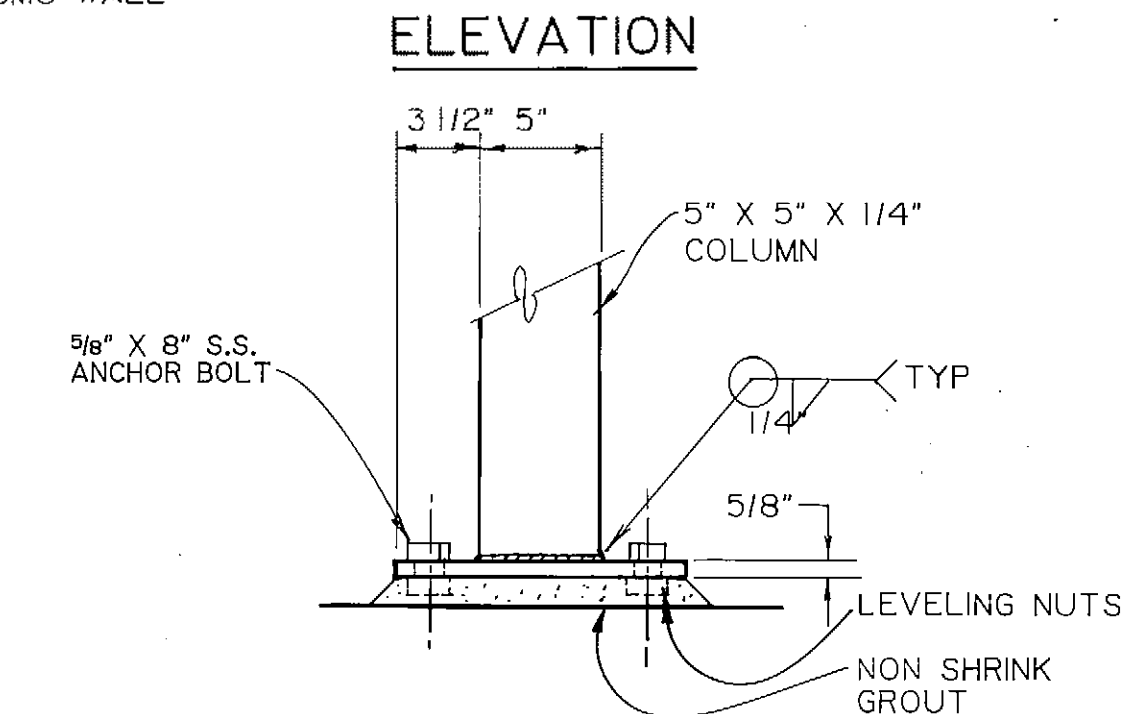
E UNDERFLOOR DUCT
S-6 S-6 1 1/2" = 1'-0"



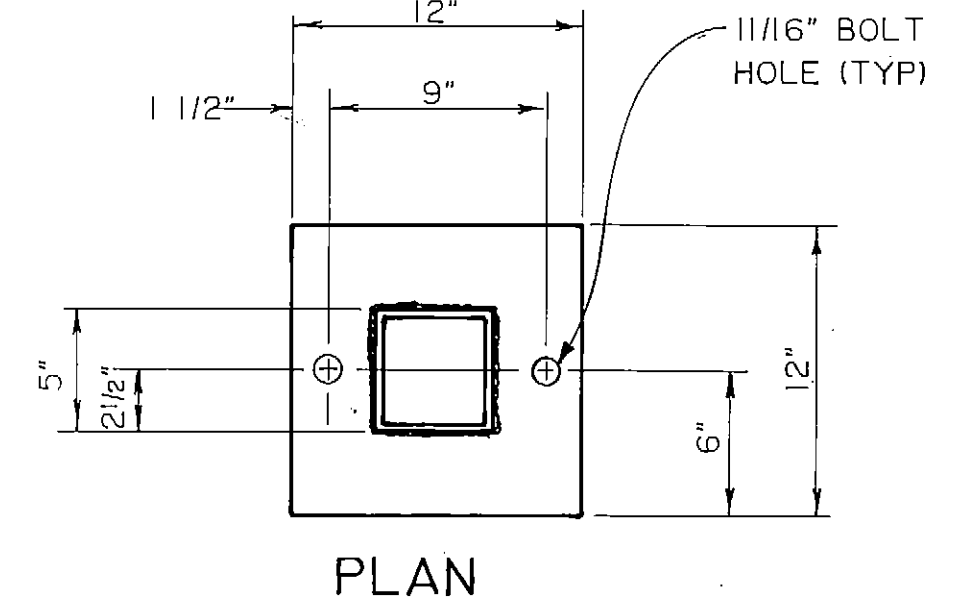
B COLUMN DETAIL
S-6 S-6 N.T.S.



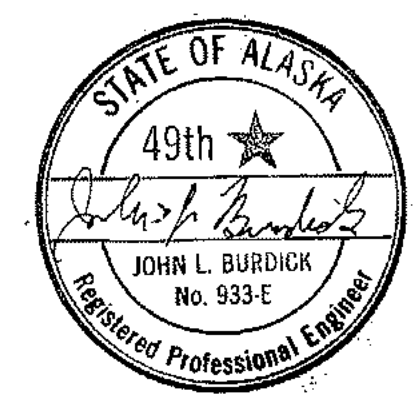
C COLUMN SECTION
S-6 S-6 1 1/2" = 1'-0"



ELEVATION



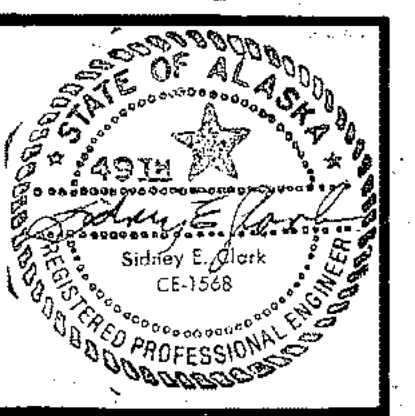
D BASE PLATE DETAIL
S-6 S-6 1 1/2" = 1'-0"



ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
 DESIGNED: RJH
 DRAWN: bh, AKF
 CHECKED: WTH
 DATE: FEB. 24, 1987
 SCALE: AS NOTED

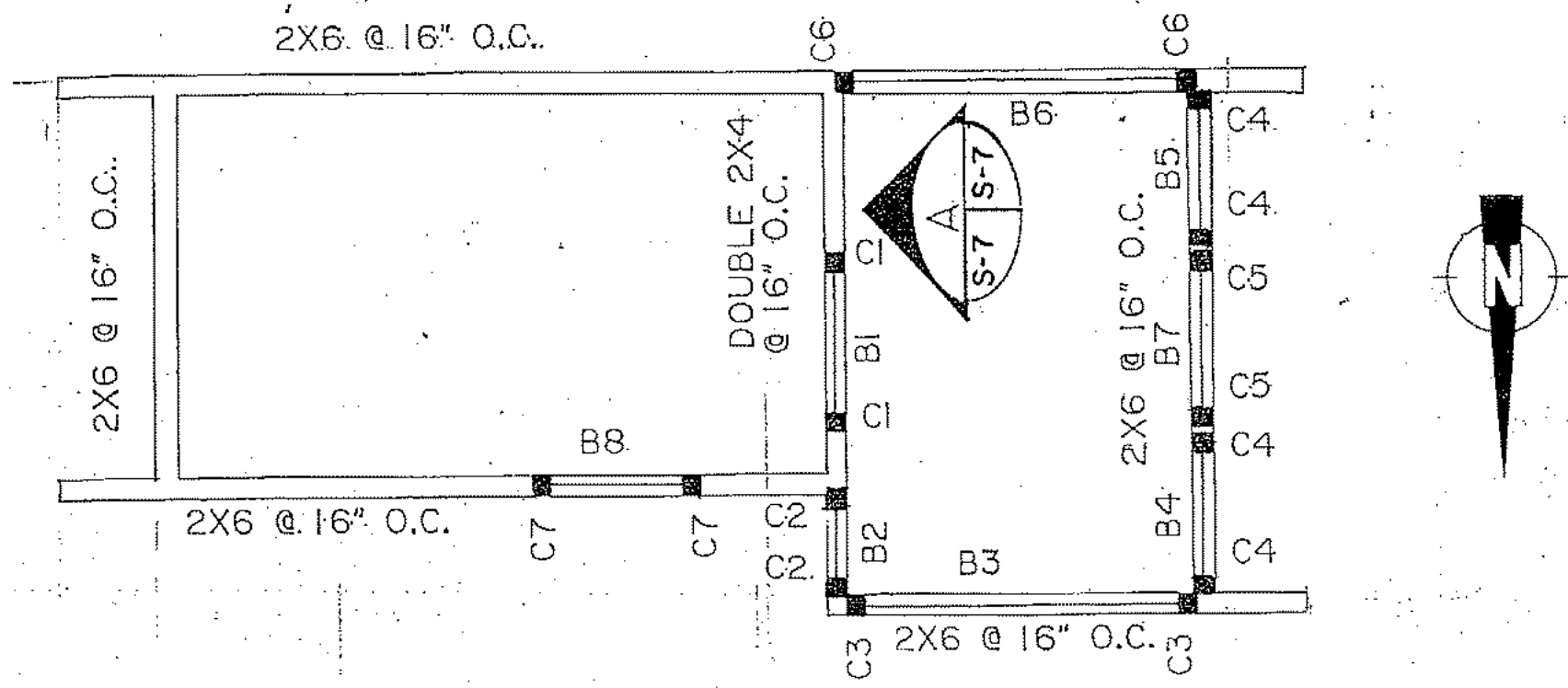
NO.	REVISION	DATE BY



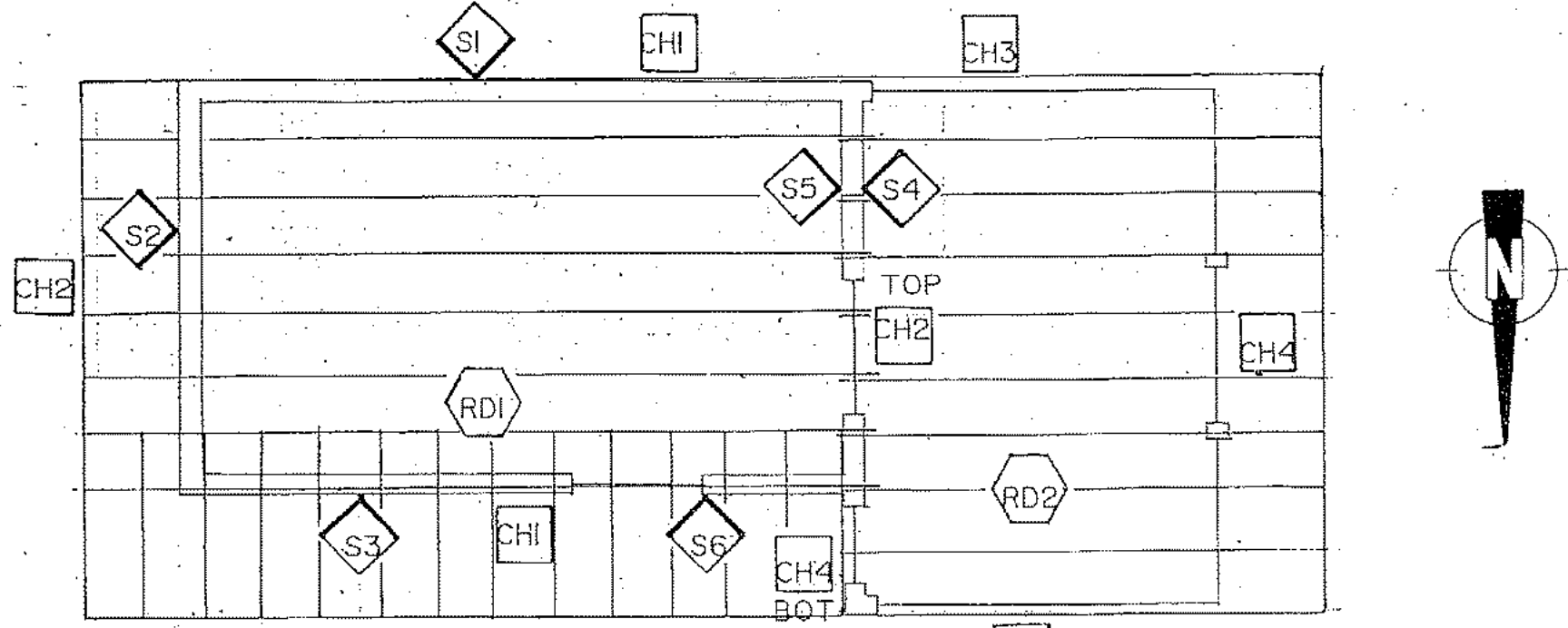
SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility
 SCALE HOUSE FOUNDATION PLAN,
 SECTIONS & DETAILS

S-6
 SHEET 44 OF 85

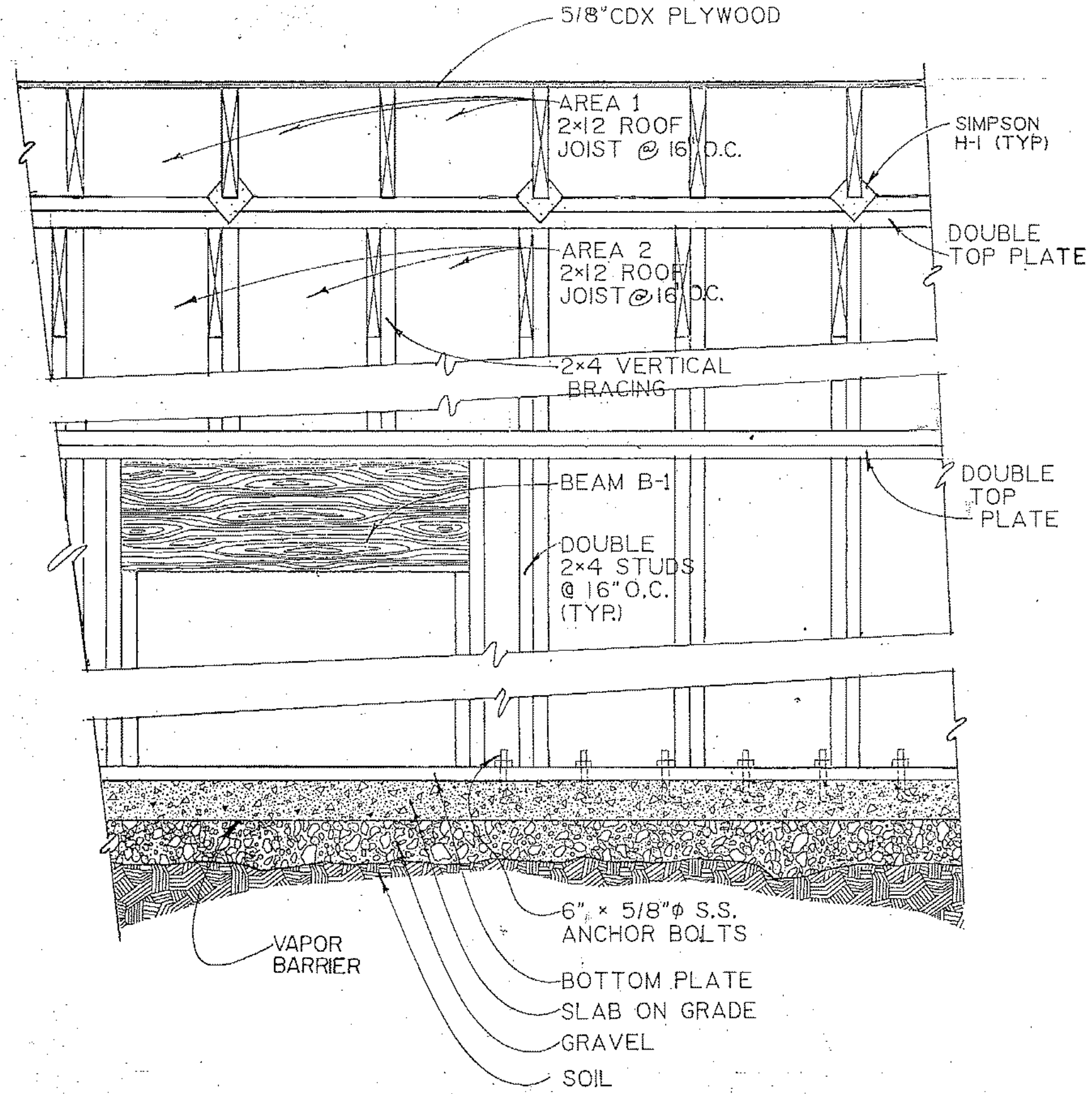
S-7



1. SCALE HOUSE - WALL FRAMING PLAN
1/4"=1'-0"



2. SCALE HOUSE - SHEAR WALLS, ROOF DIAPHRAGM & CHORD PLAN
1/4"=1'-0"



A SECTION
1"=1'-0"

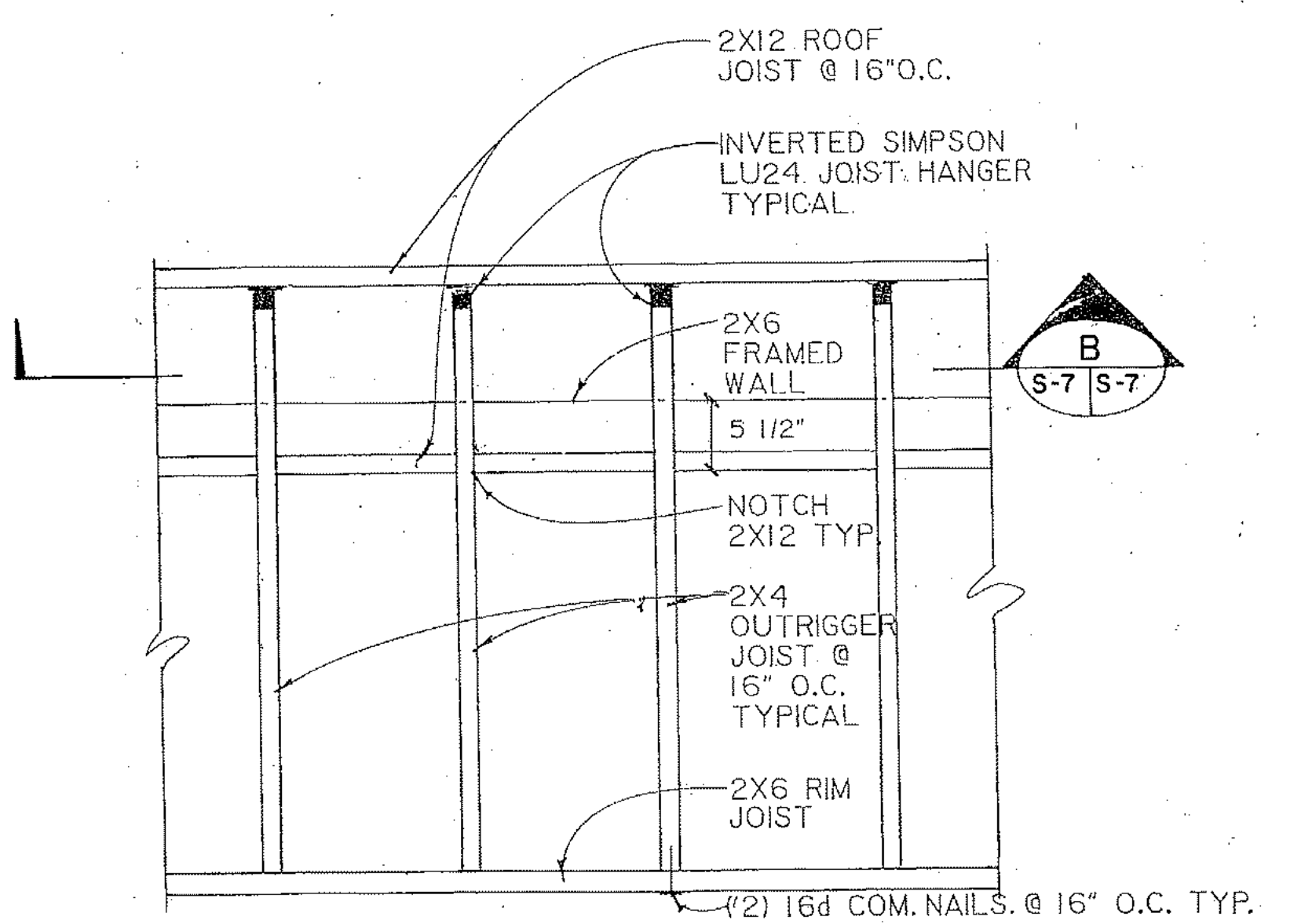
BEAM SCHEDULE				
MARK	Min. SIZE	LENGTH (APPROX.)	TYPE	MIN. END COL. SUPPORT
B1	4 x 12	3'-0"	Hem Fir	2 x 4
B2	4 x 4	2'-0"	"	2 x 4
B-3	4 x 4	7'-4"	"	2 x 4
B4	4 x 4	3'-0"	"	2 x 4
B5	4 x 4	3'-0"	"	2 x 4
B6	4 x 4	7'-4"	"	2 x 4
B7	4 x 4	3'-0"	"	2 x 4
B8	4 x 4	3'-0"	"	2 x 4

COLUMN SCHEDULE				
MARK	SIZE	LENGTH	BASE PLATE & ANCHOR BOLTS	BEAM SADDLE
C1	2 x 4	7'-0"	N/A	N/A
C2	2 x 6	11'-0"	N/A	N/A
C3	2 x 6	7'-0"	N/A	N/A
C4	2 x 6	7'-0"	N/A	N/A
C5	5"x5"x1/4"	11'-0"	"	"
C6	2 x 6	7'-0"	N/A	N/A
C7	2 x 6	7'-0"	N/A	N/A

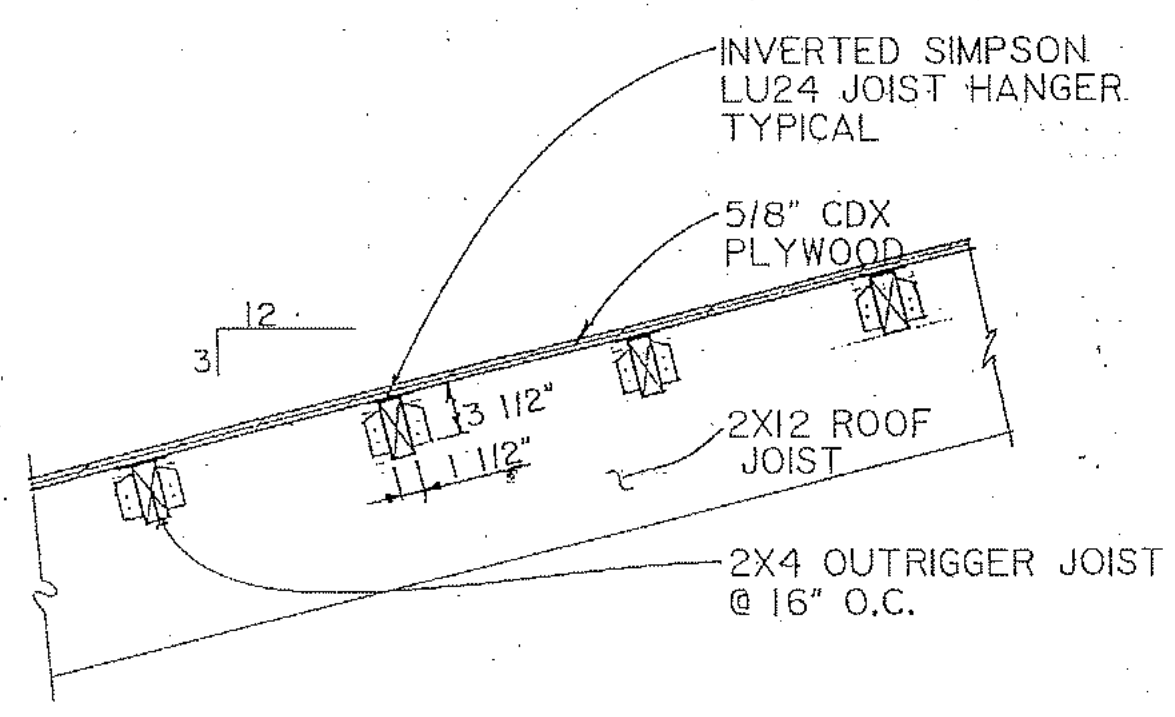
ROOF DIAPHRAGM SCHEDULE					
MARK	PLYWOOD	BLOCKING	BOUNDARY NAILS, SIZE & SPACING	EDGE NAILS SIZE & SPACING	INTERMEDIATE NAIL SIZE & SPACING
RD1	5/8" CDX	X	8d com/6" o.c.	8d com/6" o.c.	8d com/12" o.c.
RD2	5/8" CDX	X	8d com/6" o.c.	8d com/6" o.c.	8d com/12" o.c.
SEE DETAIL E/S-8					

FASTENING SCHEDULE			
INTERMEDIATE NAIL SIZE & SPACING	ROOF DIAPHRAGM TO TOP PLATE, NAIL SIZE & SPACING	ANCHOR BOLTS & SPACING	OVERTURN ANCHORS
6d com/12" o.c.	16d com/8" o.c.	5/8" B/32" o.c.	HD 2N *
6d com/12" o.c.	16d com/8" o.c.	5/8" B/32" o.c.	None
6d com/12" o.c.	16d com/8" o.c.	5/8" B/32" o.c.	HD 2N *
10d com/12" o.c.	16d com/2" o.c.	5/8" B/8" o.c.	HD 5 *
10d com/12" o.c.	COMMON with S-4		
6d com/12" o.c.	16d com/8" o.c.	5/8" B/32" o.c.	HD 2N *
8d com/12" o.c.	16d com/16" o.c.	16d com/8" o.c.	None
6d com/12" o.c.	16d com/8" o.c.	16d com/8" o.c.	HD 2N *
8d com/12" o.c.	16d com/4" o.c.	16d com/4" o.c.	None
8d com/12" o.c.	16d com/4" o.c.	16d com/2" o.c.	HD 2N *

* Simpson Strong Tie Connectors
Note: Place one specified holddown on each side of appropriate wall.



3. SCALE HOUSE OVER HANG FRAMING
1"=1'-0"

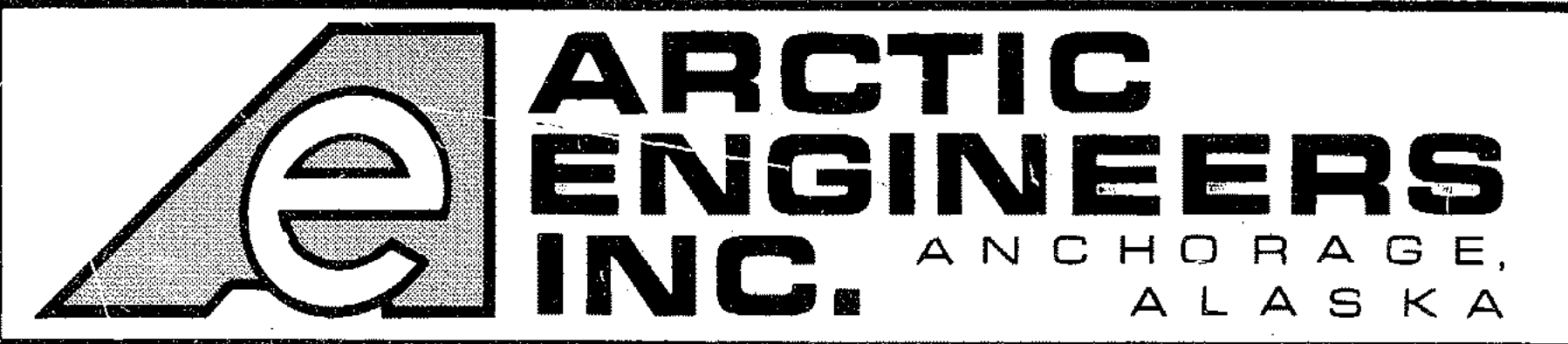
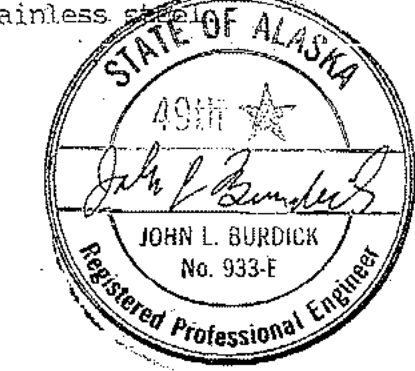


B SECTION
1"=1'-0"

SHEAR WALL SCHEDULE				
MARK	LENGTH	SHEATHING	BLOCKING	EDGE NAILS, SIZE & SPACING
S1	16'-0"	3/8" CDX	2 x 6	6d com/6" o.c.
S2	8'-6"	3/8" CDX	2 x 6	6d com/3" o.c.
S3	9'-0"	3/8" CDX	2 x 6	6d com/6" o.c.
S4	4'-0"	1/2" CDX	2 x 4	10d com/3" o.c.
S5	4'-0"	1/2" CDX	2 x 4	10d com/3" o.c.
S6	3'-2"	3/8" CDX	2 x 6	6d com/6" o.c.
SEE DETAIL A/S-8				

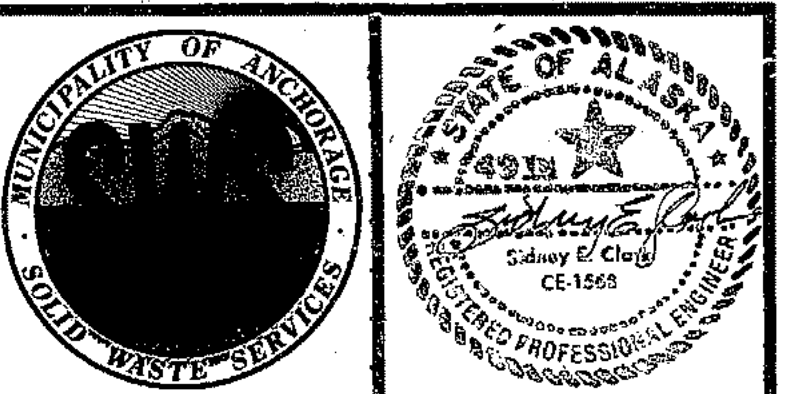
* Install edge nails staggered @ specified spacing. Wall must have two studs @ each stud location.
** Install plywood with face grain across the studs.
1. Stainless Steel fasteners shall be used for all ground contact and moisture situations.
2. Fasteners and anchor bolts used in concrete footings shall be stainless steel.

CHORD SCHEDULE			
MARK	DESCRIPTION	CONNECTION AND SPACING	DETAIL
CH 1	2 x 4 Hem Fir - Select Structural No. 2	2-) 16d com/16" o.c.	F S-7 S-8
CH 2	2 x 12 Hem Fir - Select Structural No. 2	3-) 16d com/16" o.c.	B S-7 S-8
CH 3	2 x 4 Hem Fir - Select Structural No. 2	2-) 16d com/16" o.c.	F S-7 S-8
CH 4	2 x 12 Hem Fir - Select Structural No. 2	3-) 16d com/16" o.c.	B S-7 S-8



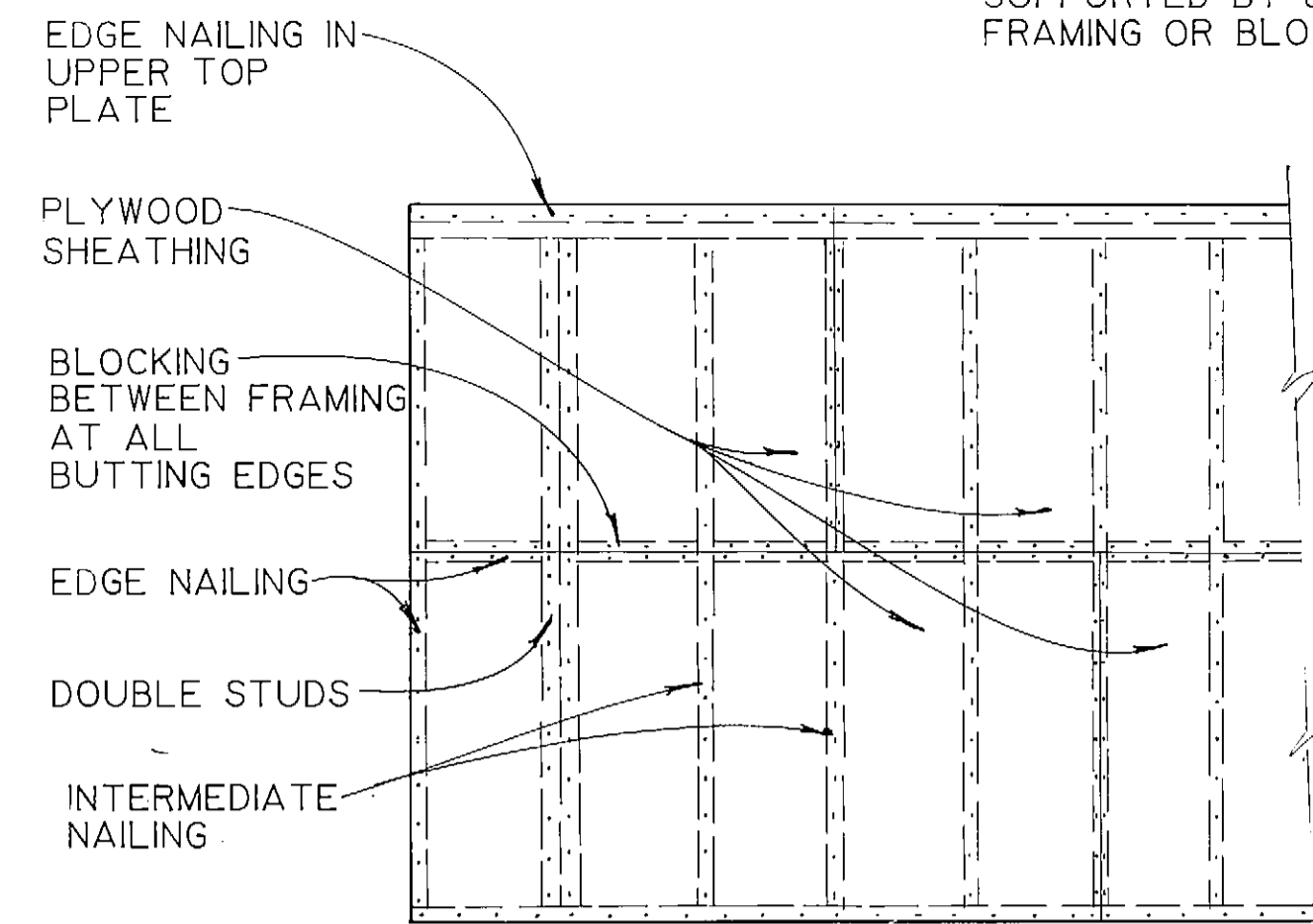
PROJECT NO. 86-010-02 MOA
DESIGNED: RJH
DRAWN:
CHECKED: RLE
DATE: FEB. 24, 1987
SCALE: AS NOTED

NO.	REVISION	DATE	BY

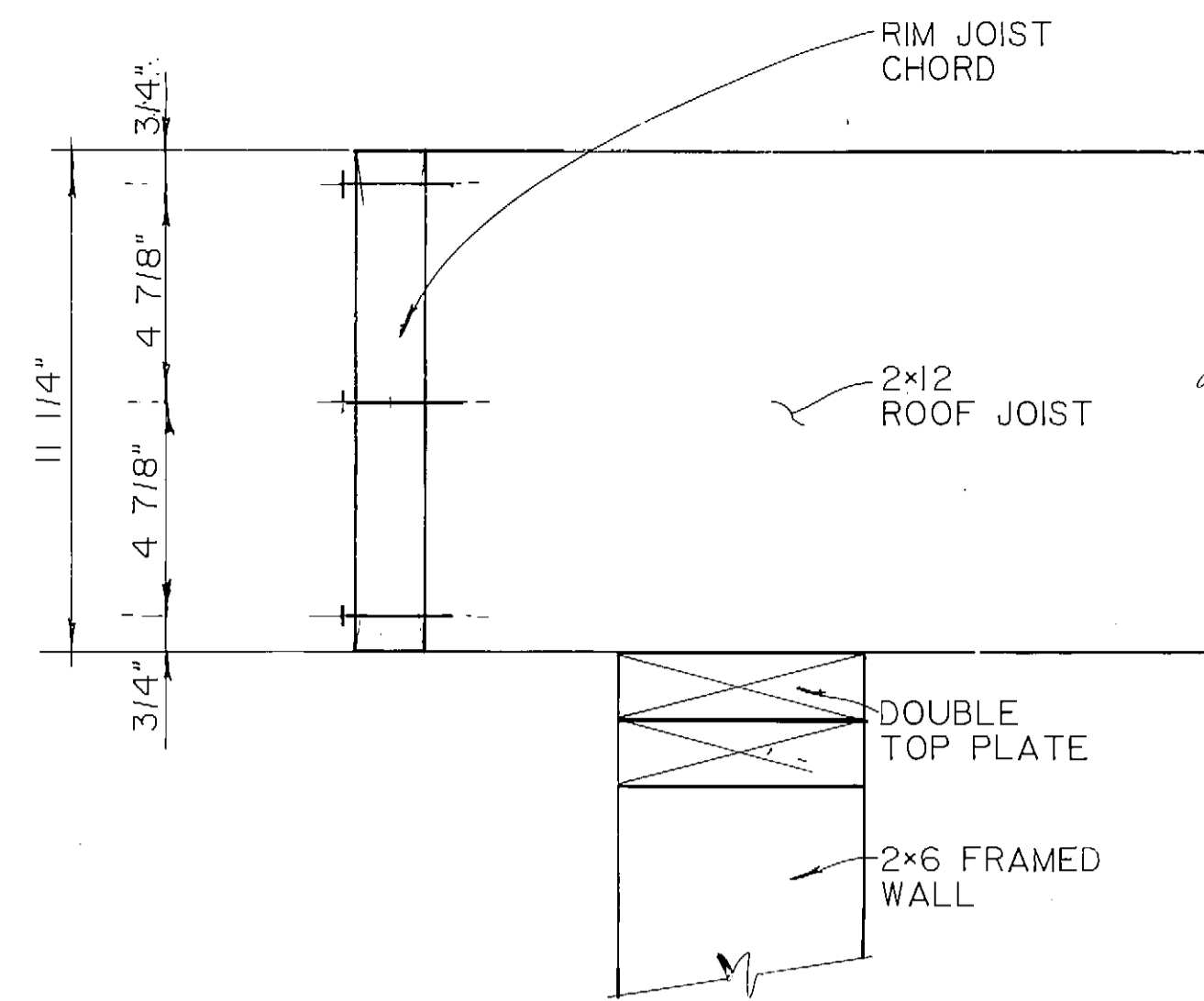


SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility
SCALE HOUSE FRAMING PLAN

NOTE: ALL PLYWOOD EDGES MUST BE SUPPORTED BY & NAILED TO FRAMING OR BLOCKING.

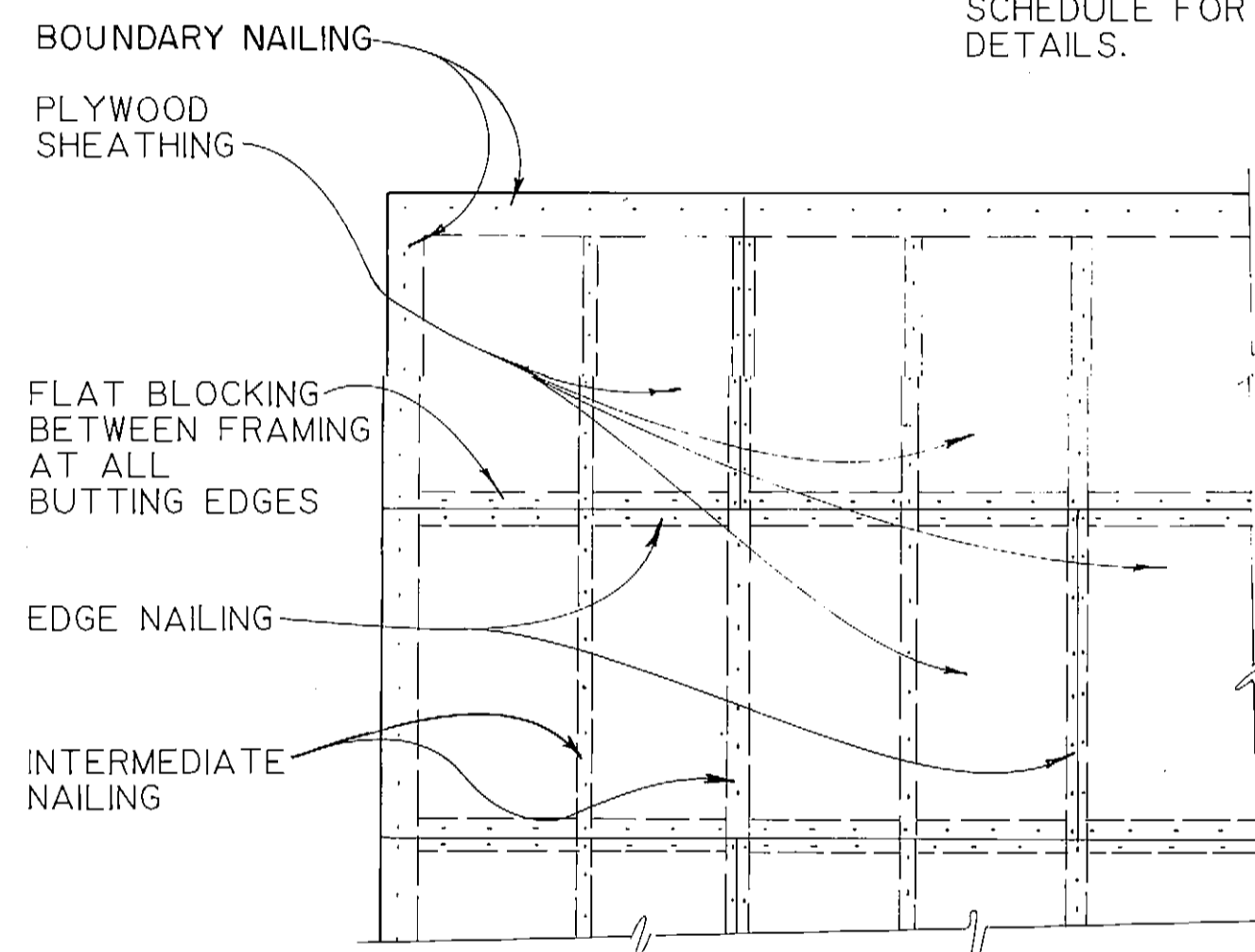


A TYPICAL SHEAR WALL DETAIL
S-8 N.T.S.

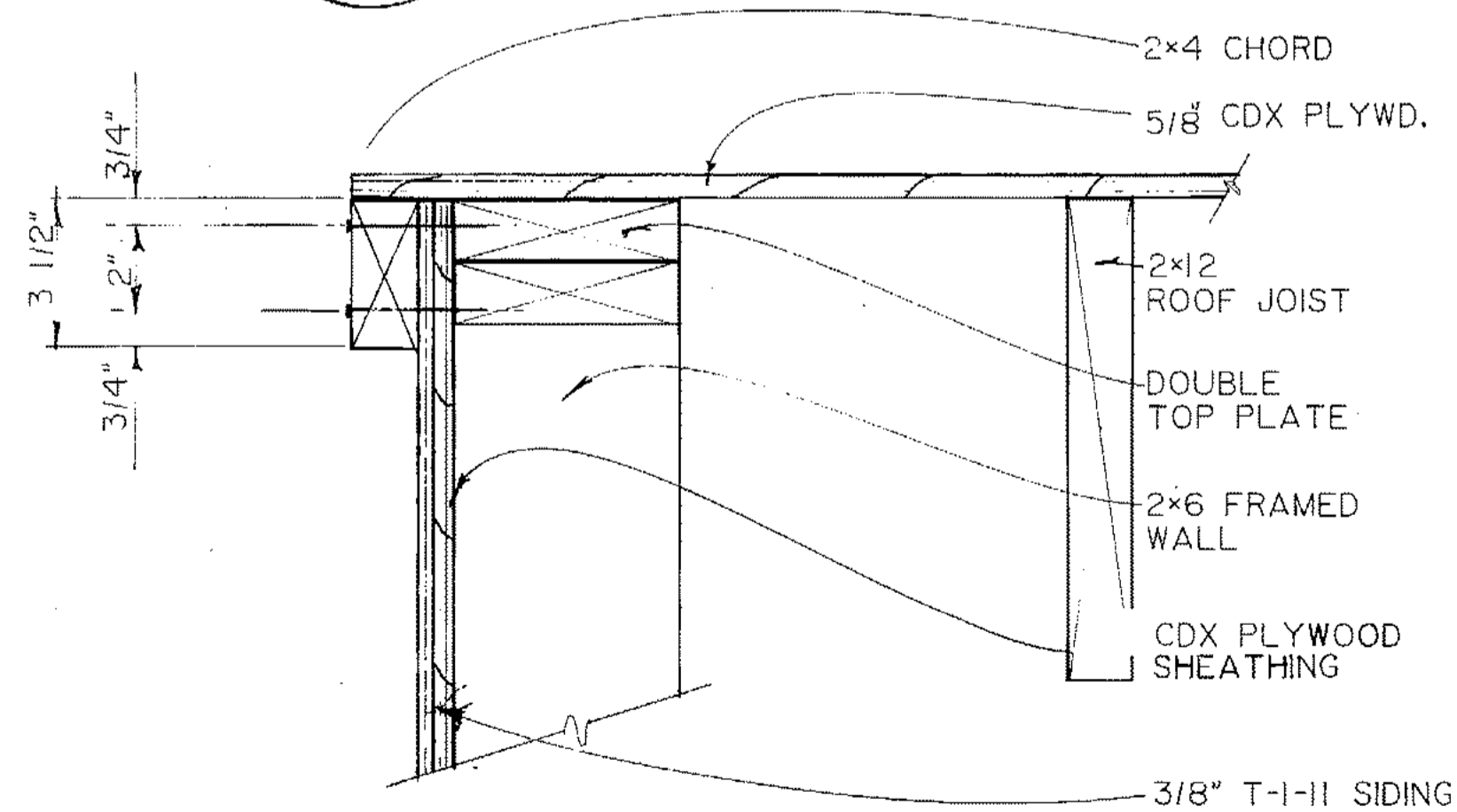


B ROOF CHORD DETAIL
S-7 S-8 3"=1'-0"

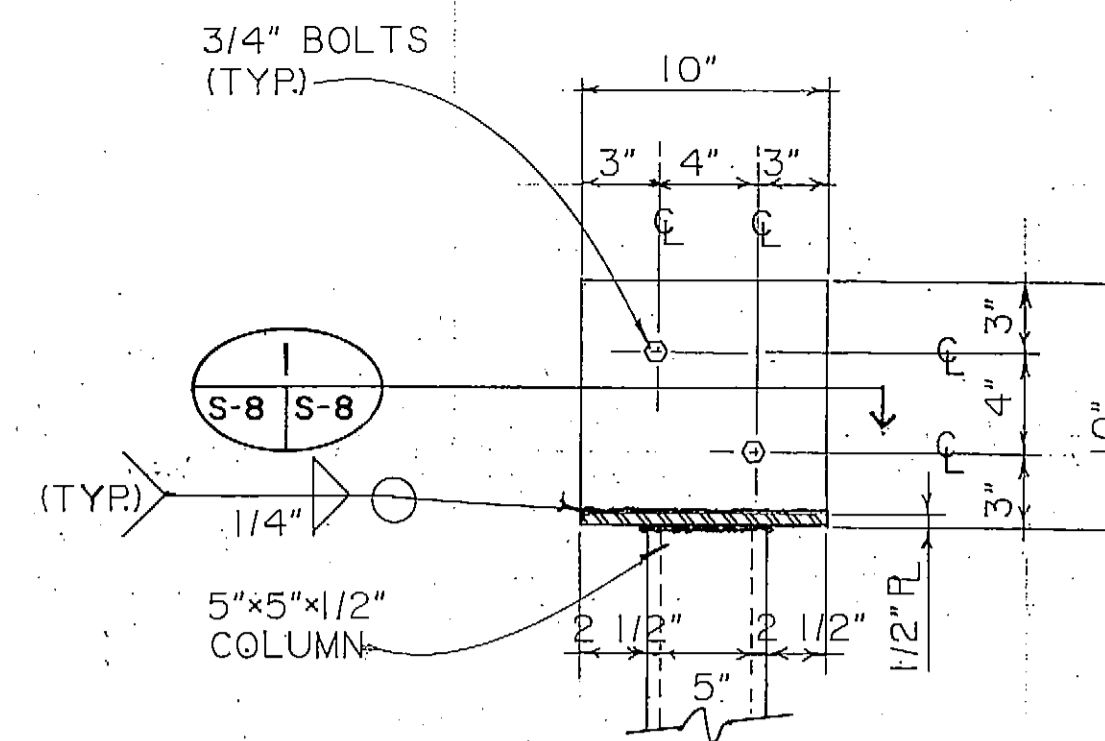
NOTE: REFER TO ROOF DIAPHRAGM SCHEDULE FOR SPECIFIC DETAILS.



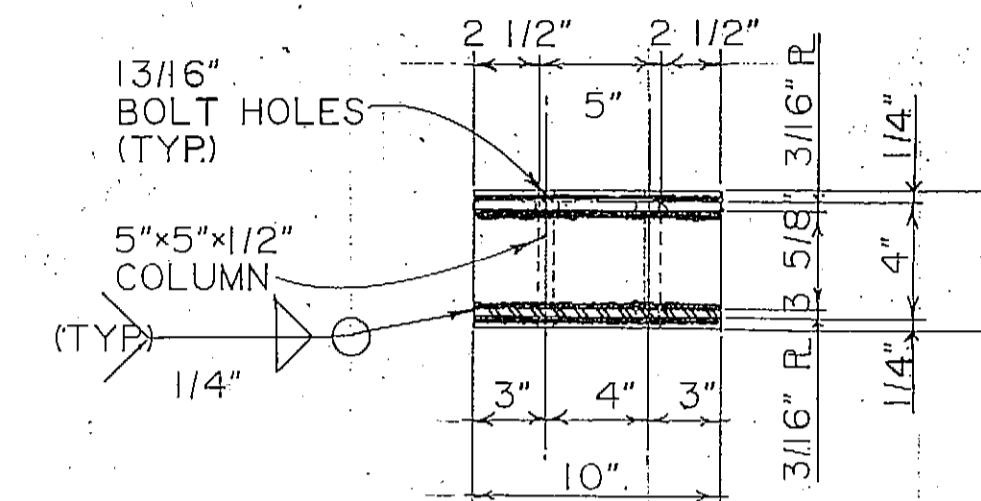
E TYPICAL PLYWOOD ROOF DIAPHRAGM DETAIL
S-9 N.T.S.



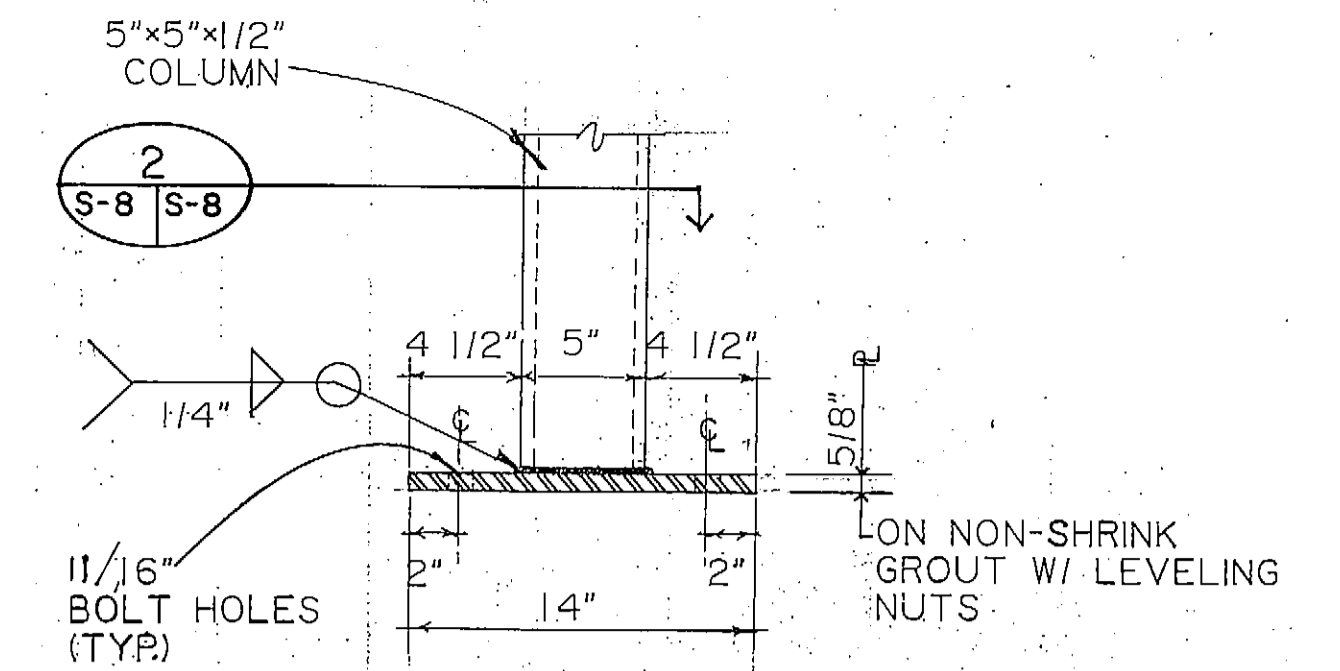
F ROOF CHORD DETAIL
S-7 S-8 3"=1'-0"



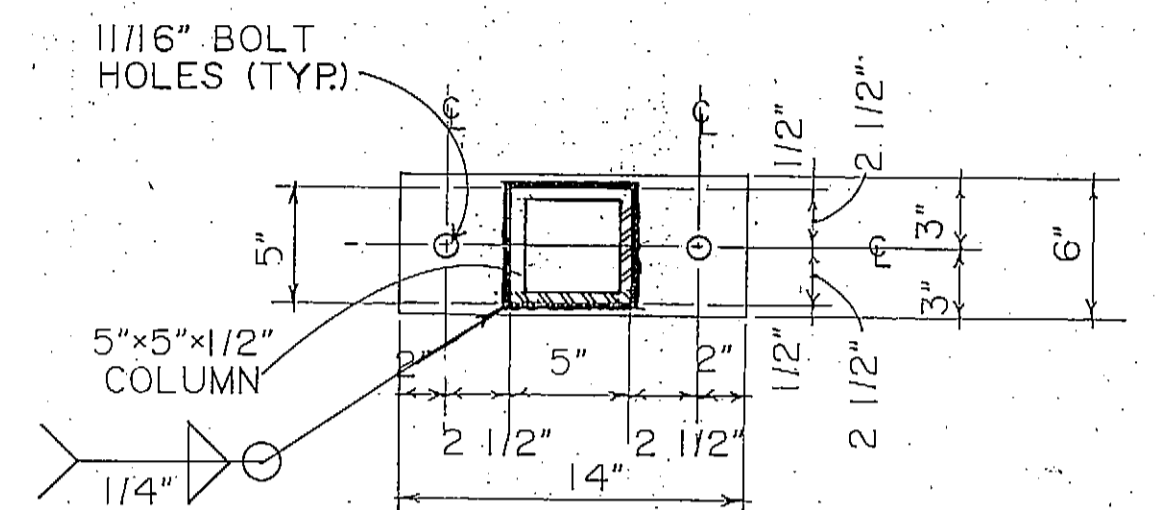
C BEAM SADDLE DETAIL
S-7 S-8 1 1/2"=1'-0"



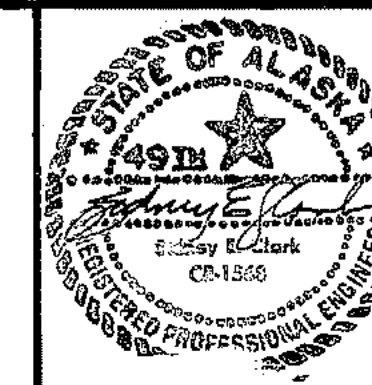
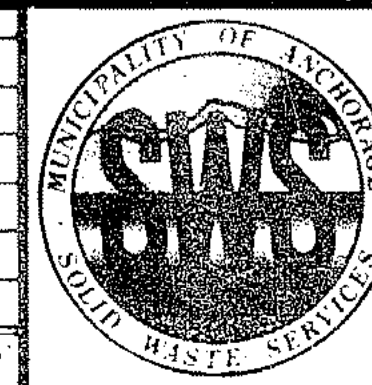
I SECTION
S-8 S-8 1 1/2"=1'-0"



D BASE PLATE DETAIL
S-7 S-8 1 1/2"=1'-0"



2 SECTION
S-8 S-8 1 1/2"=1'-0"



ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
DESIGNED
DRAWN: WAP
CHECKED: RLE
DATE: FEBRUARY 24, 1987
SCALE: AS NOTED

NO.	REVISION	DATE	BY

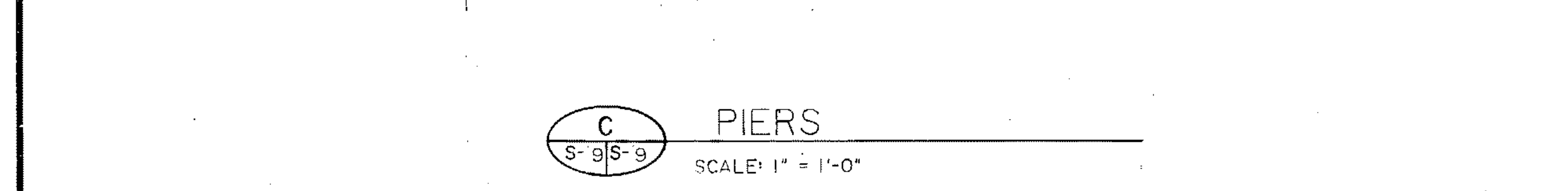
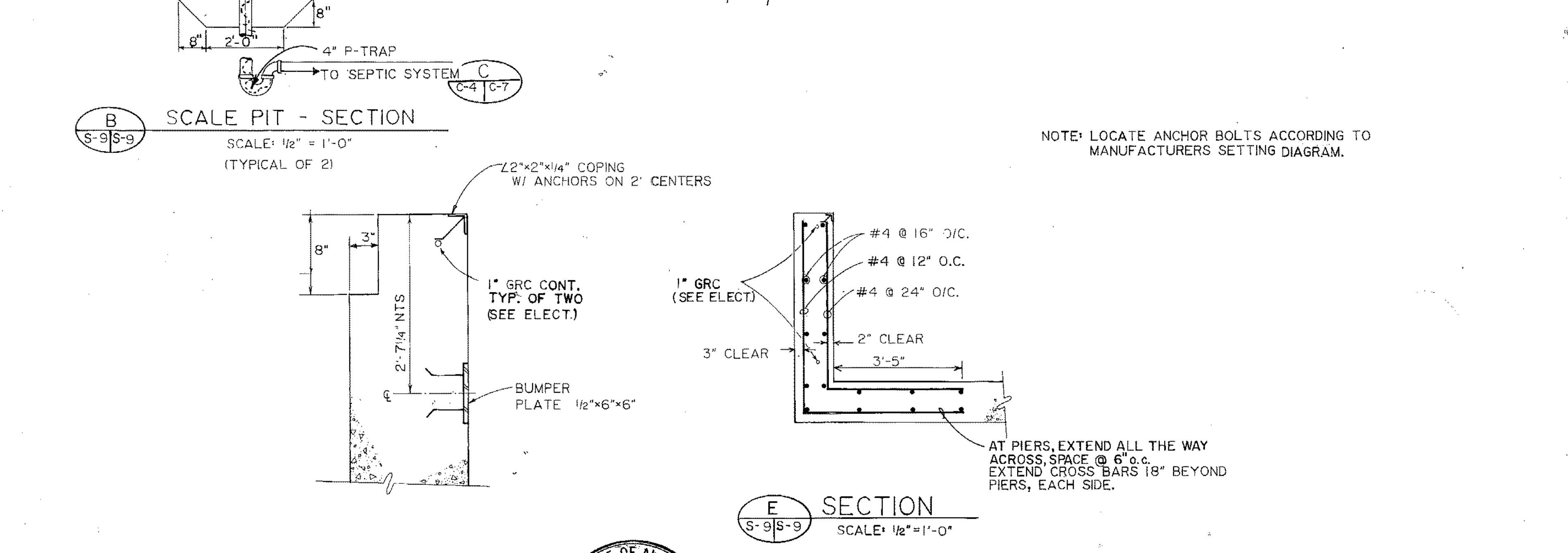
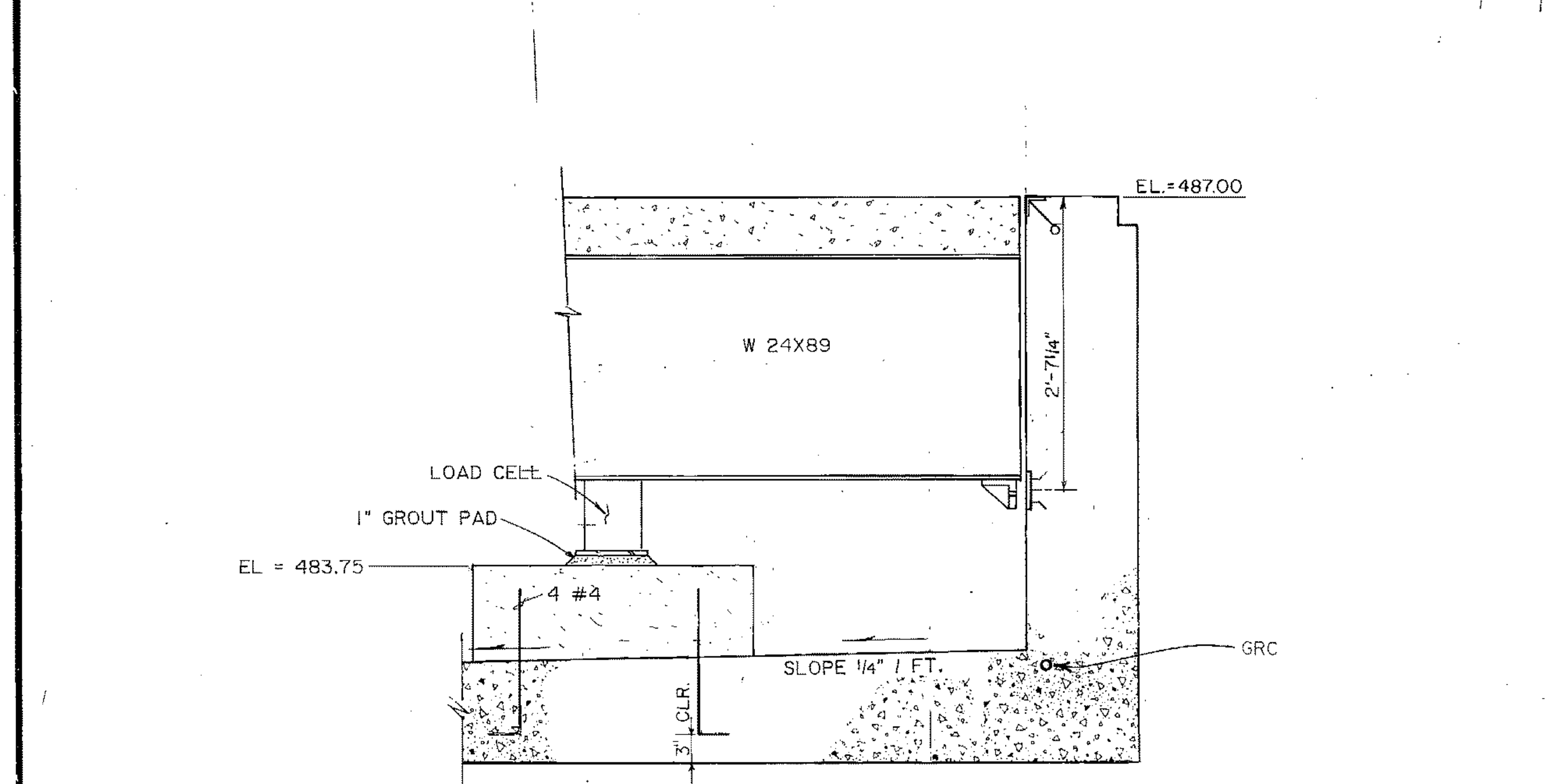
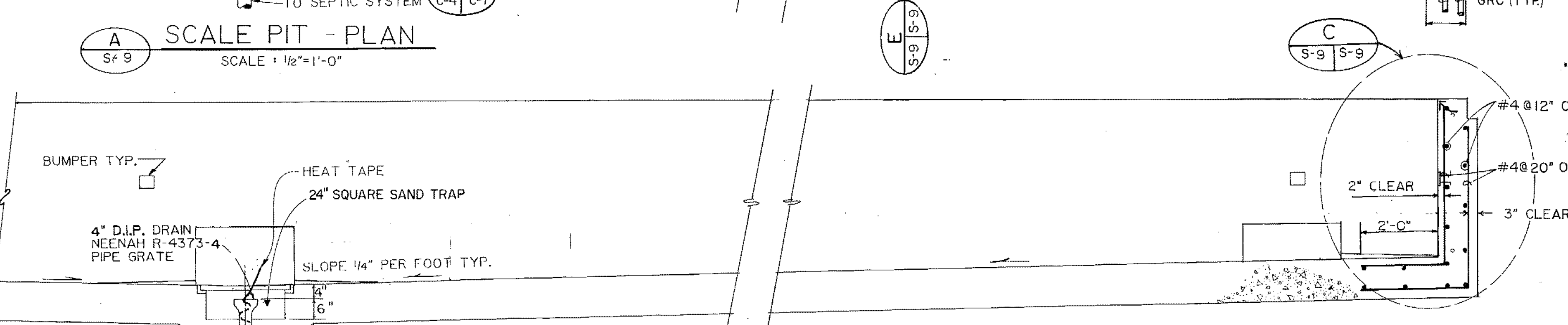
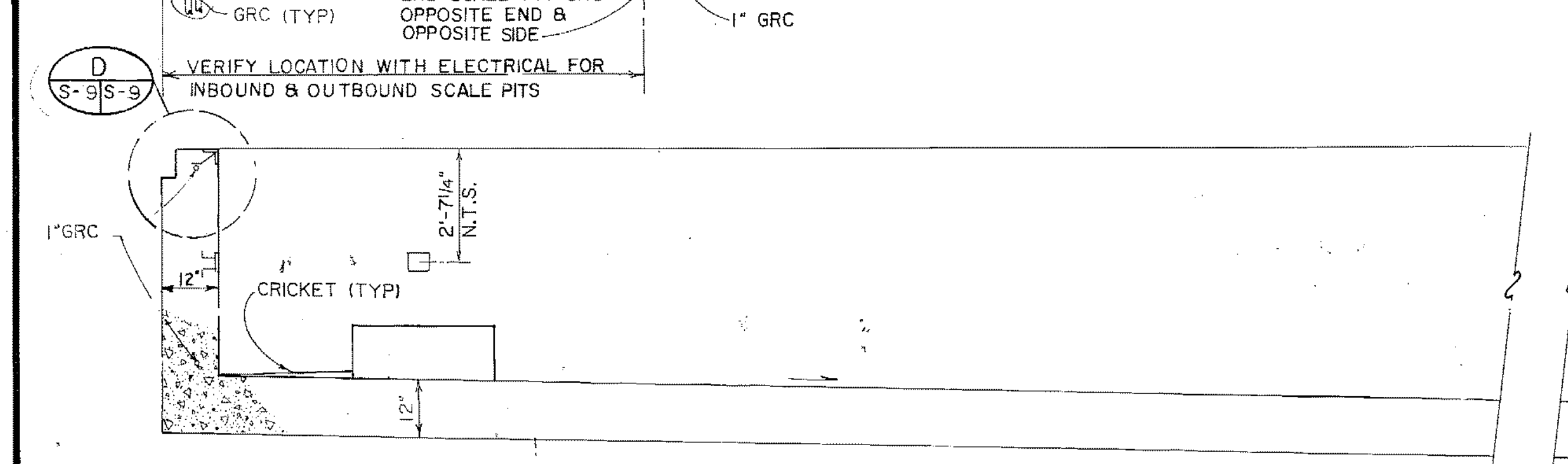
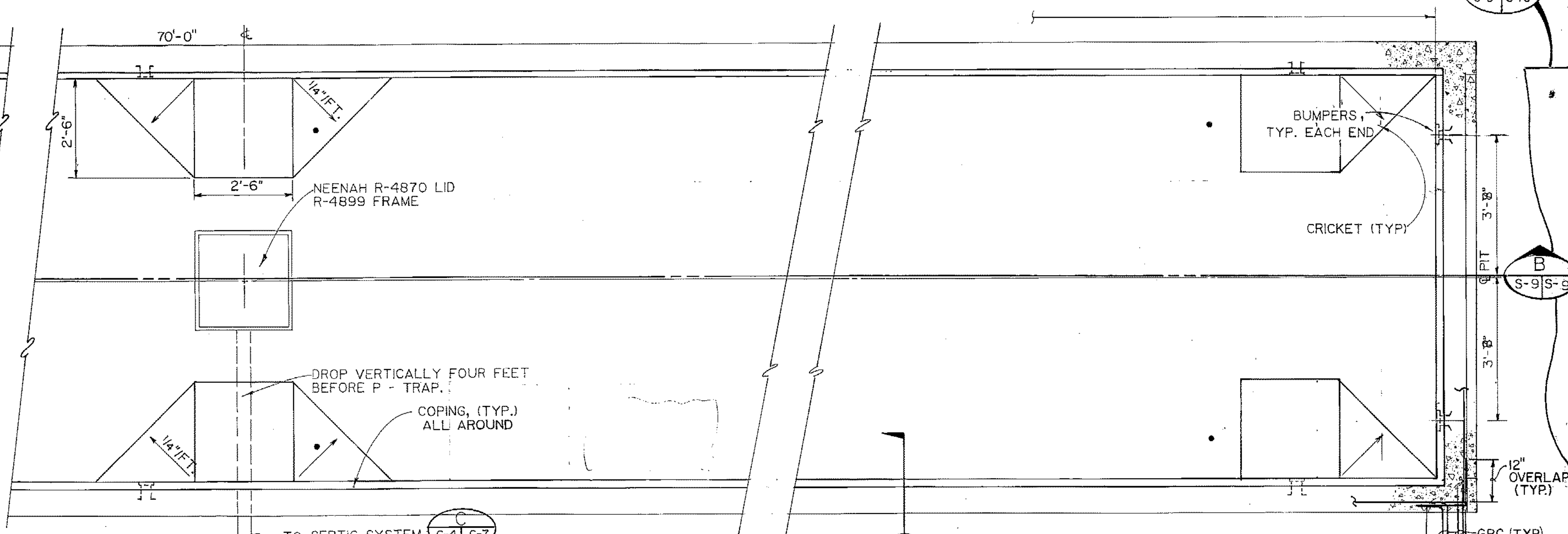
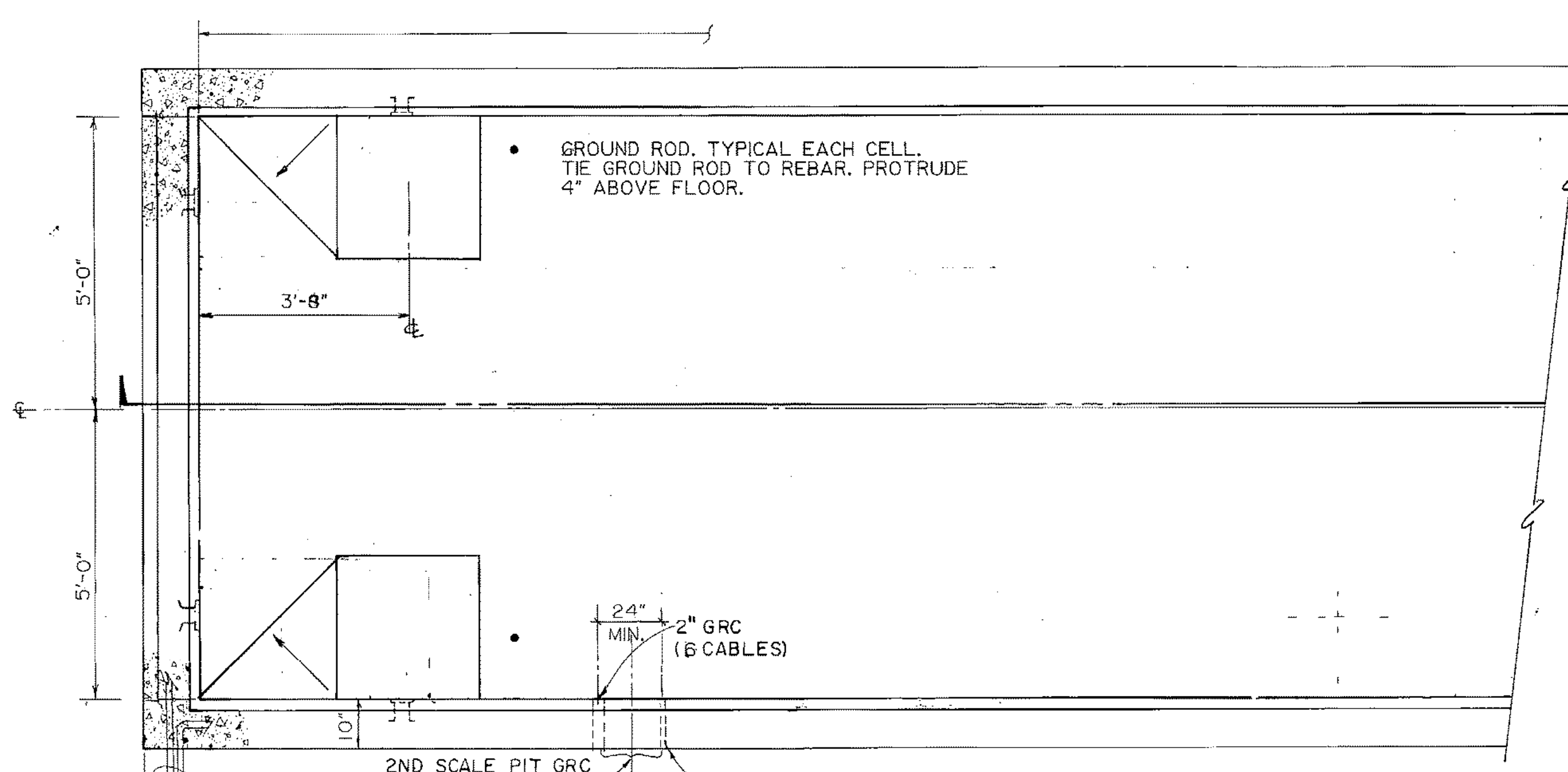
SOLID WASTE TRANSFER FACILITIES
SCALE HOUSE
STRUCTURAL DETAILS

S-8
SHEET 46 OF 85

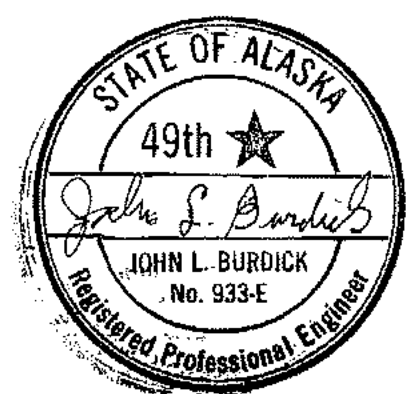
CNTRL TRMS PLAN SCALE PIT

60310

5-9



NOTE: LOCATE ANCHOR BOLTS ACCORDING TO MANUFACTURERS SETTING DIAGRAM.



ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
 DESIGNED: [Signature]
 DRAWN: bh, A.K.F.
 CHECKED:
 DATE: FEBRUARY 24, 1987
 SCALE: AS NOTED

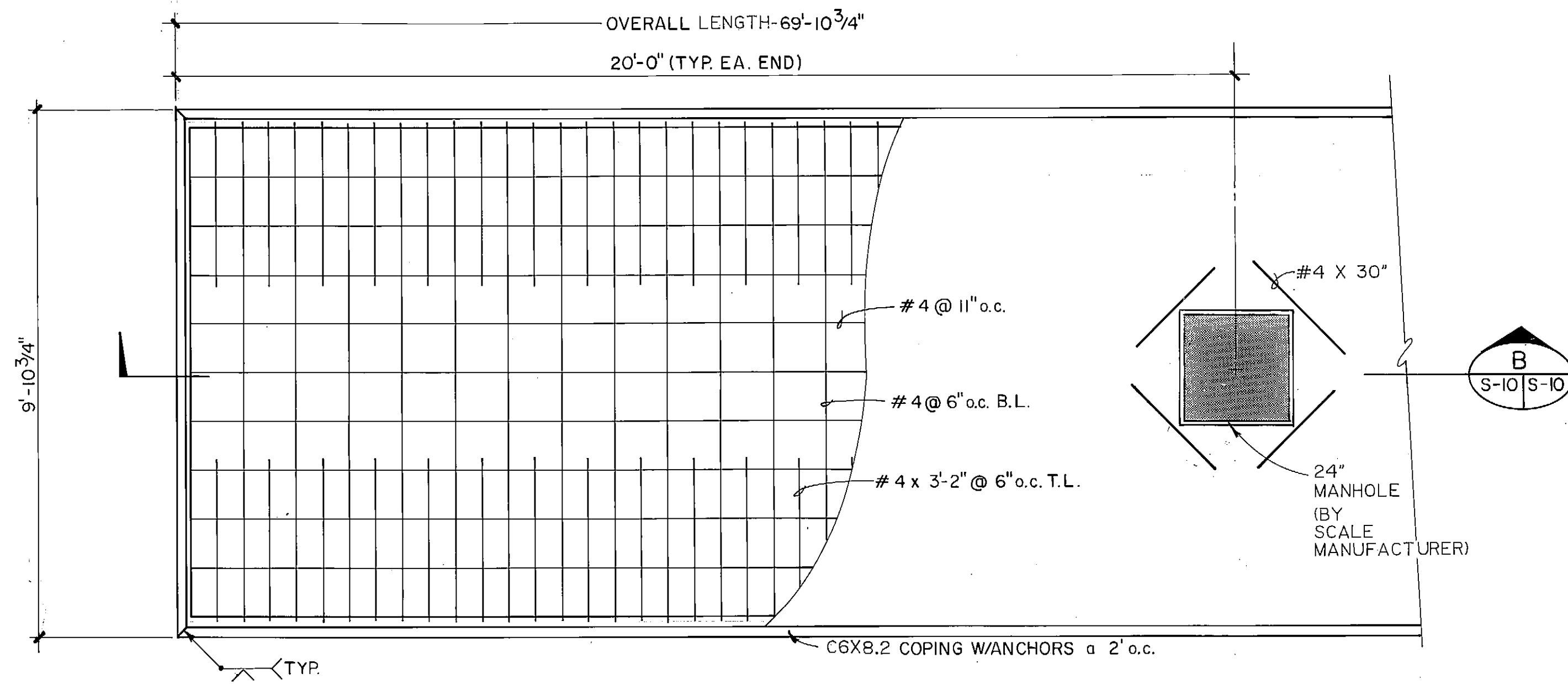
NO.	REVISION	DATE	BY



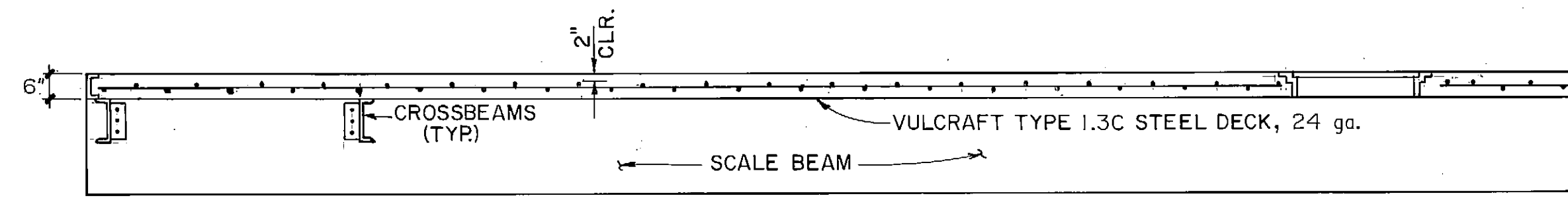
SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility
SCALE PIT & DETAILS

S-9
 SHEET 47 OF 85

5-10

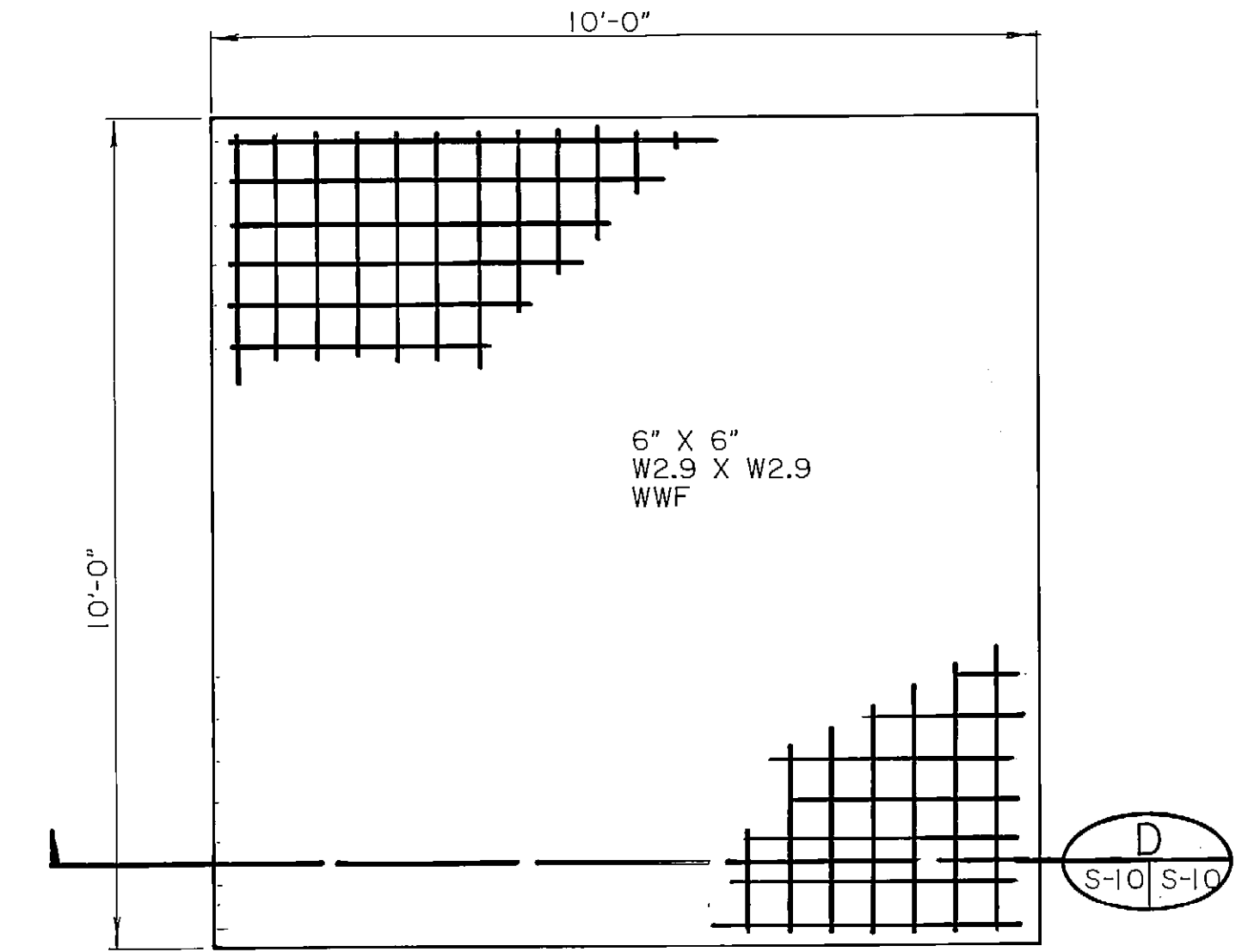


A SCALE DECK - PLAN
S-10 SCALE: 1/2" = 1'-0"

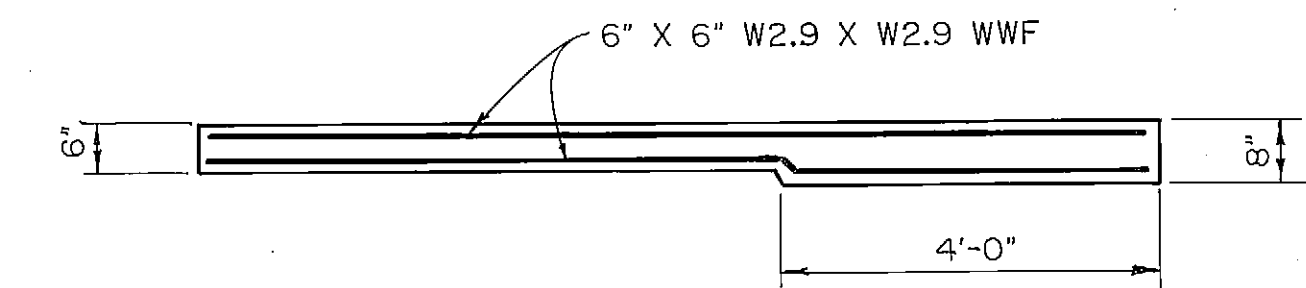


B SCALE DECK - SECTION
S-10 SCALE: 1/2" = 1'-0"

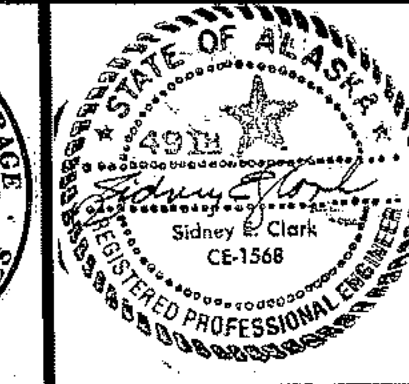
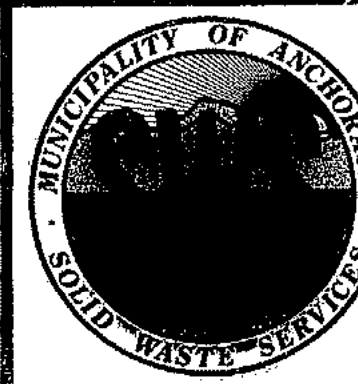
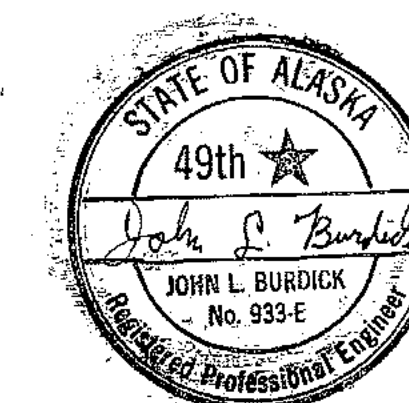
NOTE: SUPPORT STEEL DECK ON FIVE FOOT CENTERS MAXIMUM, WHEN POURING THE DECK.



C APPROACH SLAB
S-9 | S-10 SCALE: 1/2" = 1'-0"



D SECTION
S-10 | S-10 SCALE: 1/2" = 1'-0"



ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

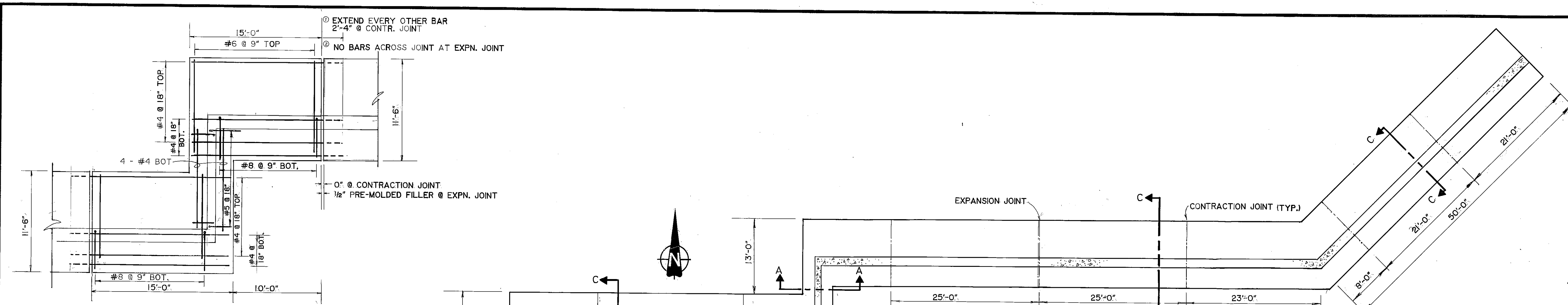
PROJECT NO. 86-010-02 MOA.
DESIGNED: RLE
DRAWN: WAP
CHECKED:
DATE: FEBRUARY 24, 1987
SCALE: AS NOTED

NO.	REVISION	DATE	BY

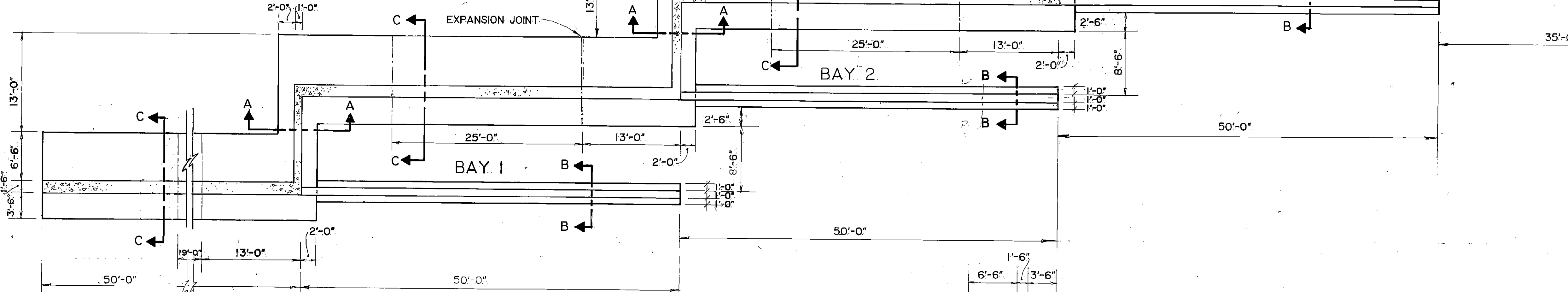
SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility
SCALE DECK & DETAILS

S-10
SHEET 48 OF 85

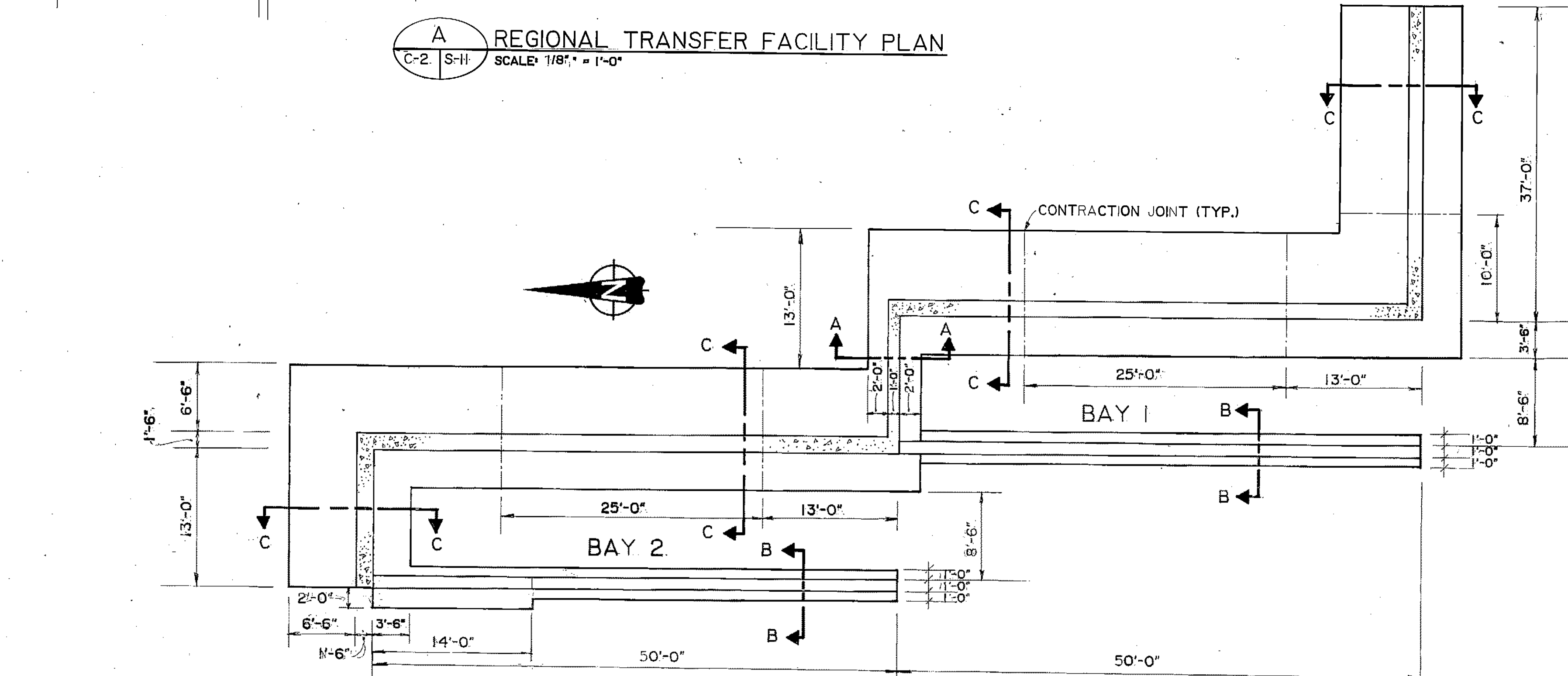
5-11



REINFORCING LAYOUT AT CROSS WALL FOOTINGS
SCALE: 3/16" = 1'-0"

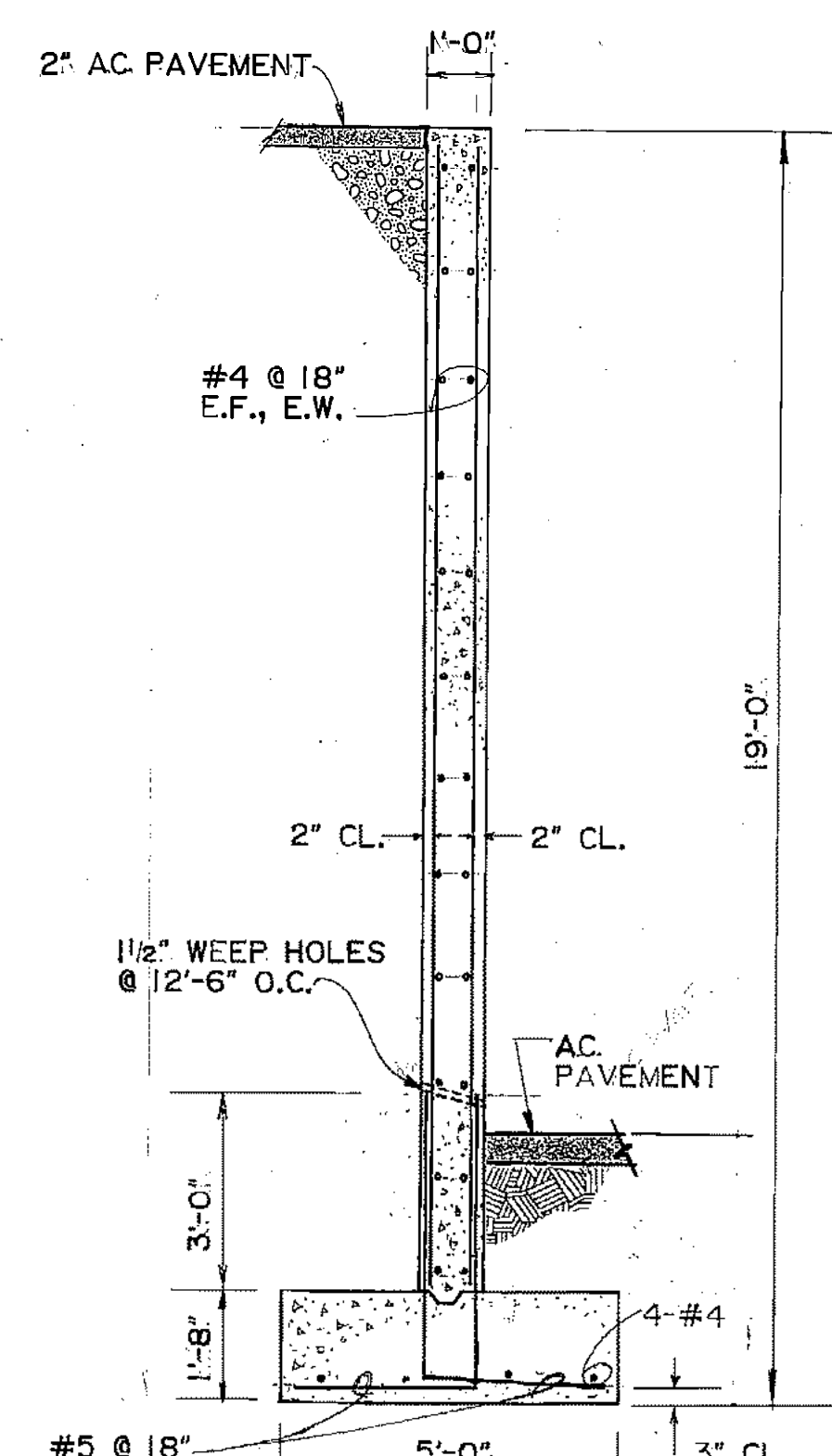


A REGIONAL TRANSFER FACILITY PLAN
C-2 S-II SCALE: 1/8" = 1'-0"

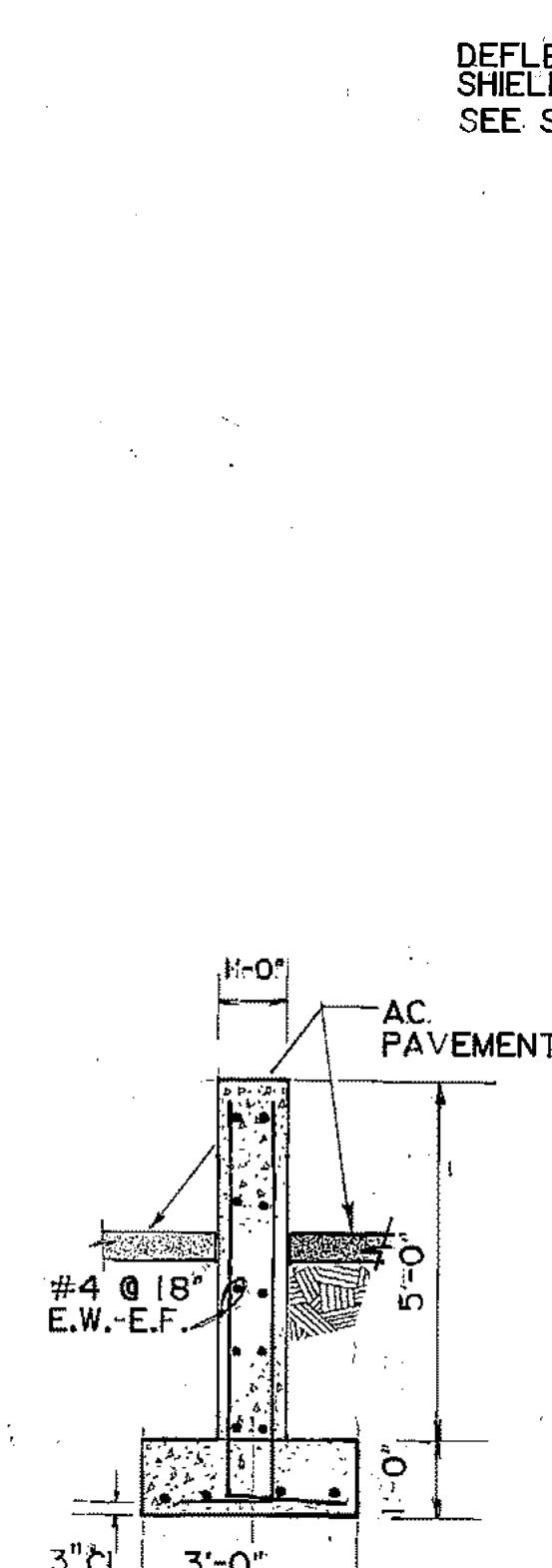


B MILITARY TRANSFER FACILITY PLAN
C-14 S-II SCALE: 1/8" = 1'-0"

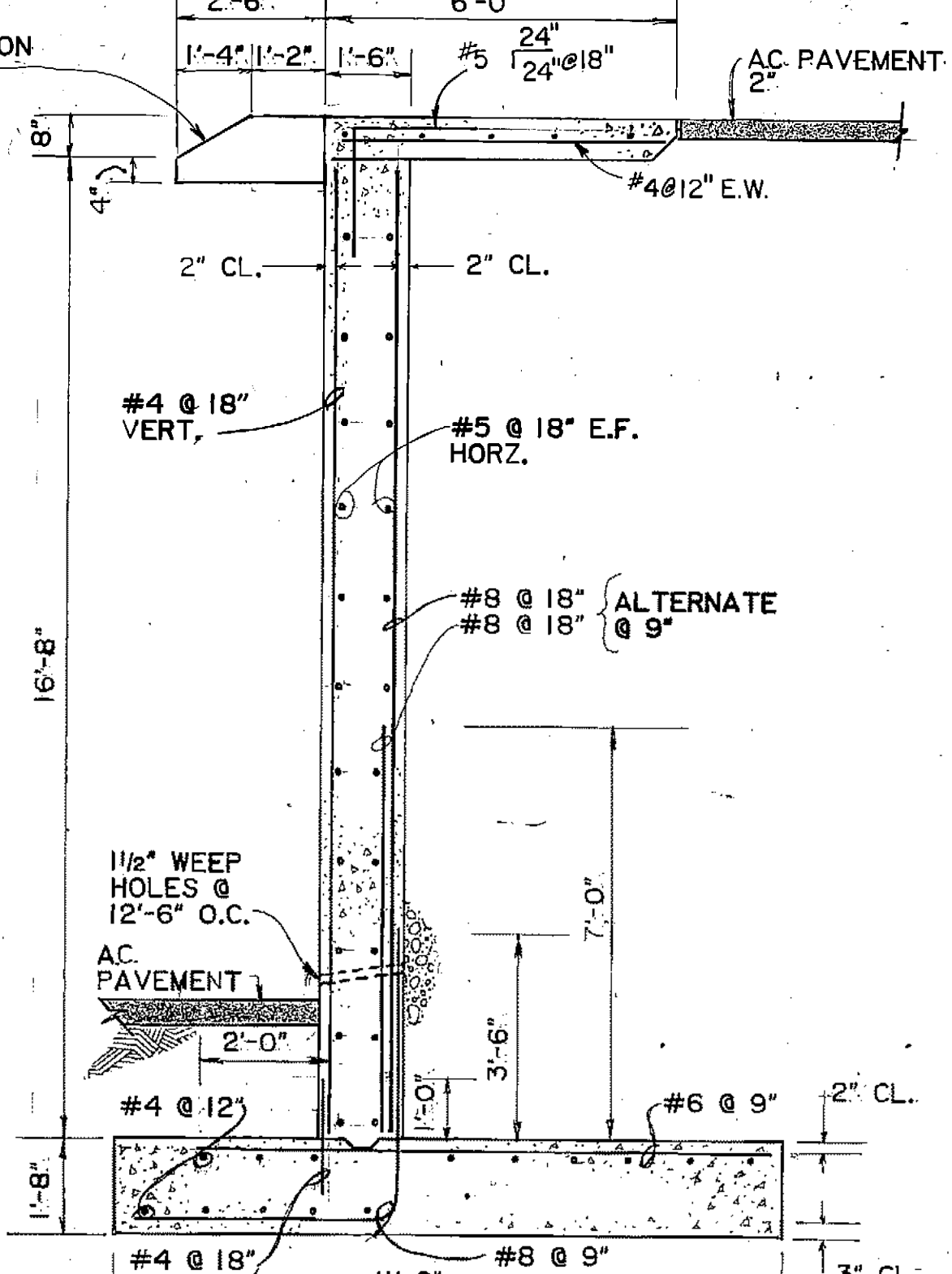
- GENERAL NOTES**
- BUILDING CODE - U.B.C.-85 AS AMENDED BY THE MUNICIPALITY OF ANCHORAGE STANDARDS.
 - DESIGN LOADS - SNOW 40 PSF
WIND 110 MPH EXPOSURE B
EARTHQUAKE ZONE 4, I = 1.0
 - MATERIAL - STRUCTURAL STEEL A-36
COLD FORMED STEEL Fy = 50,000 PSI
REINFORCING STEEL fy = 60,000 PSI
CONCRETE fc = 4,000 PSI
WELDING E 70xx ELECTRODES
BOLTS ASTM A325-3/4" φ EXCEPT AS NOTED.
 - ALL FOOTINGS & SLABS TO BE SUPPORTED AS SHOWN IN (2) S-6
 - ALL BACKFILL TO BE GRAVEL



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



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

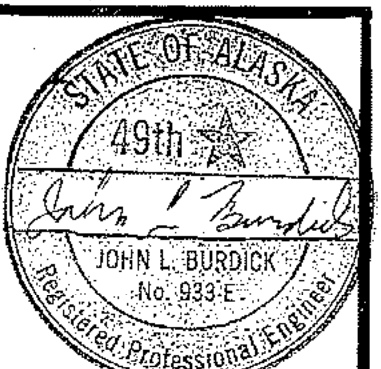


SECTION C-C
SCALE: 3/8" = 1'-0"

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

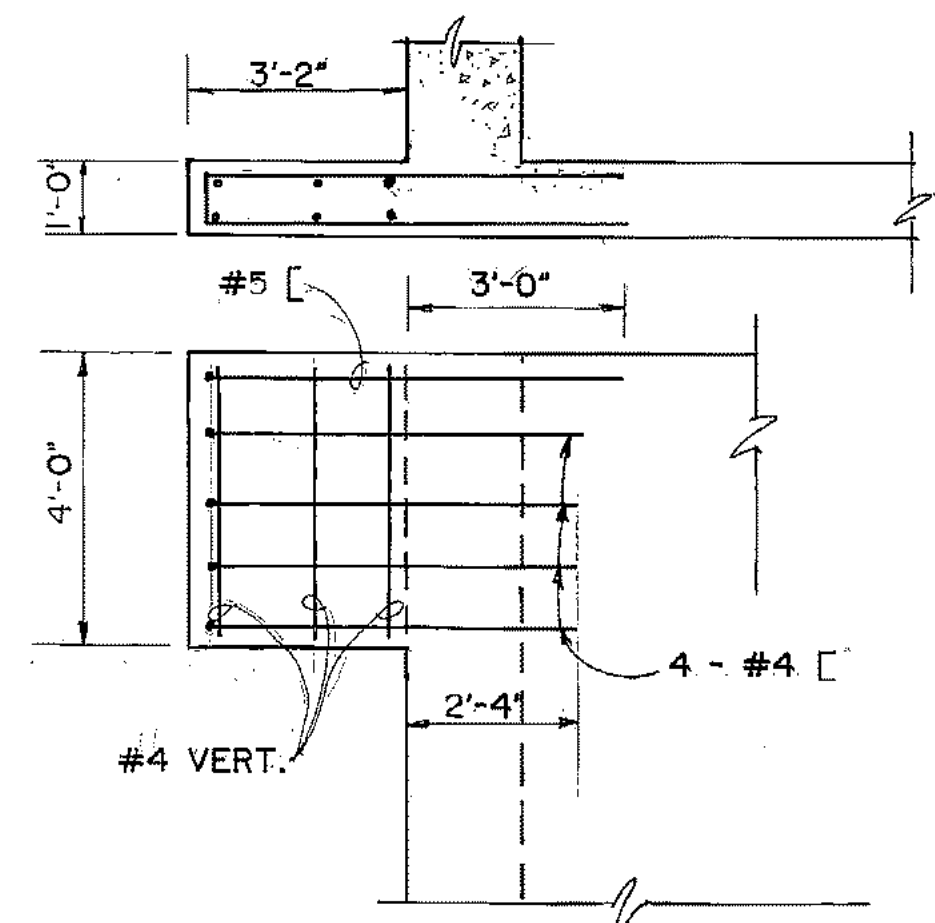
PROJECT NO. 86-010-02 MOA
DESIGNED: J.L.B.
DRAWN: E.B.
CHECKED: WTH
DATE: FEBRUARY 24, 1987
SCALE: AS NOTED

NO.	REVISION	DATE	BY

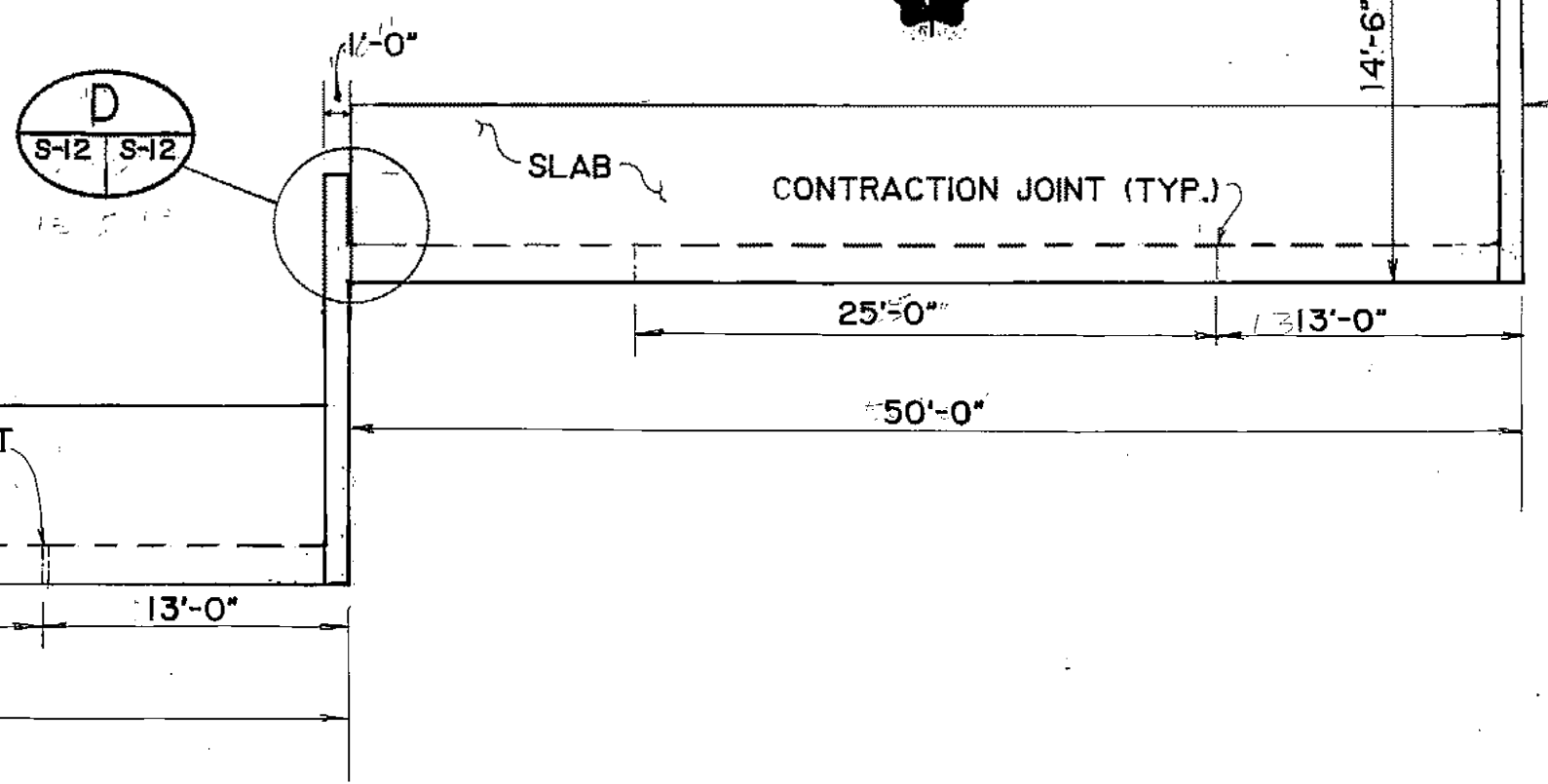


SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
TRANSFER BUILDINGS
FOUNDATION PLANS

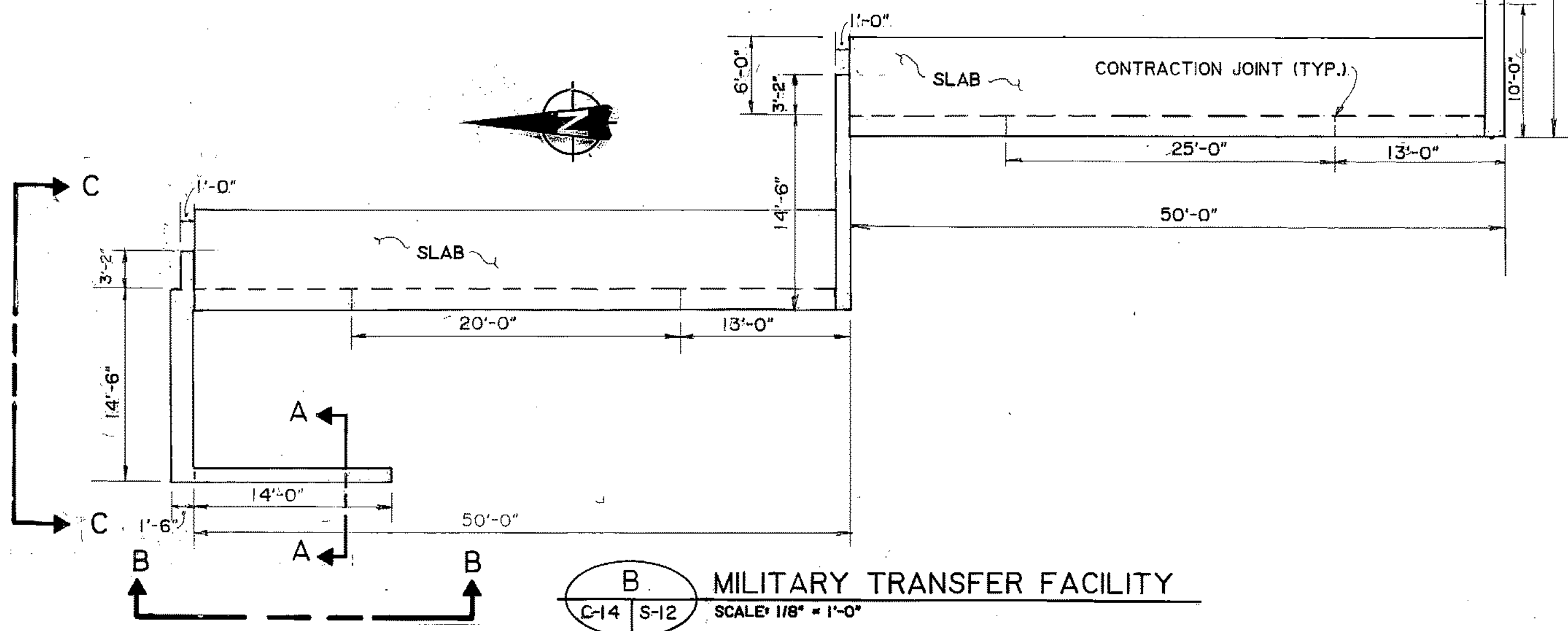
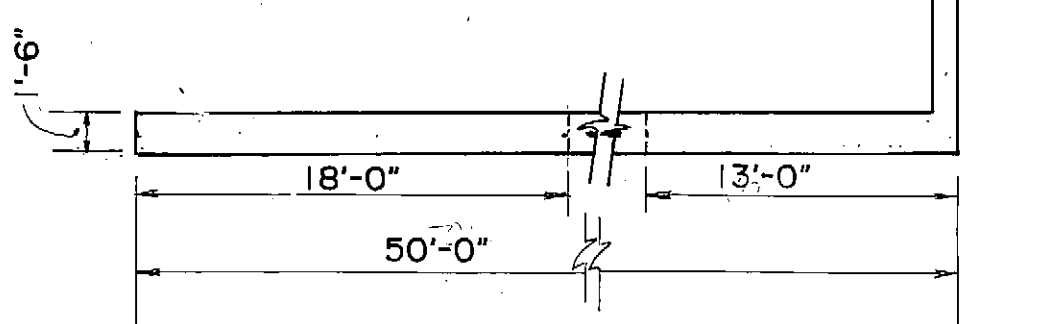
S-II
SHEET 49 OF 85



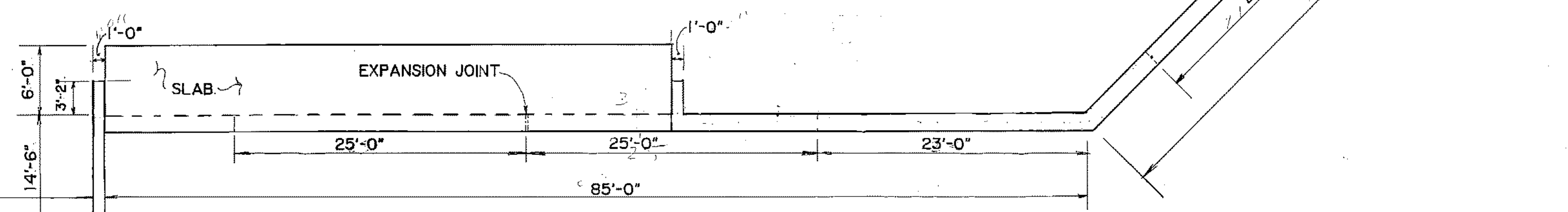
DETAIL (TYPICAL) D
SCALE: 3/8" = 1'-0"



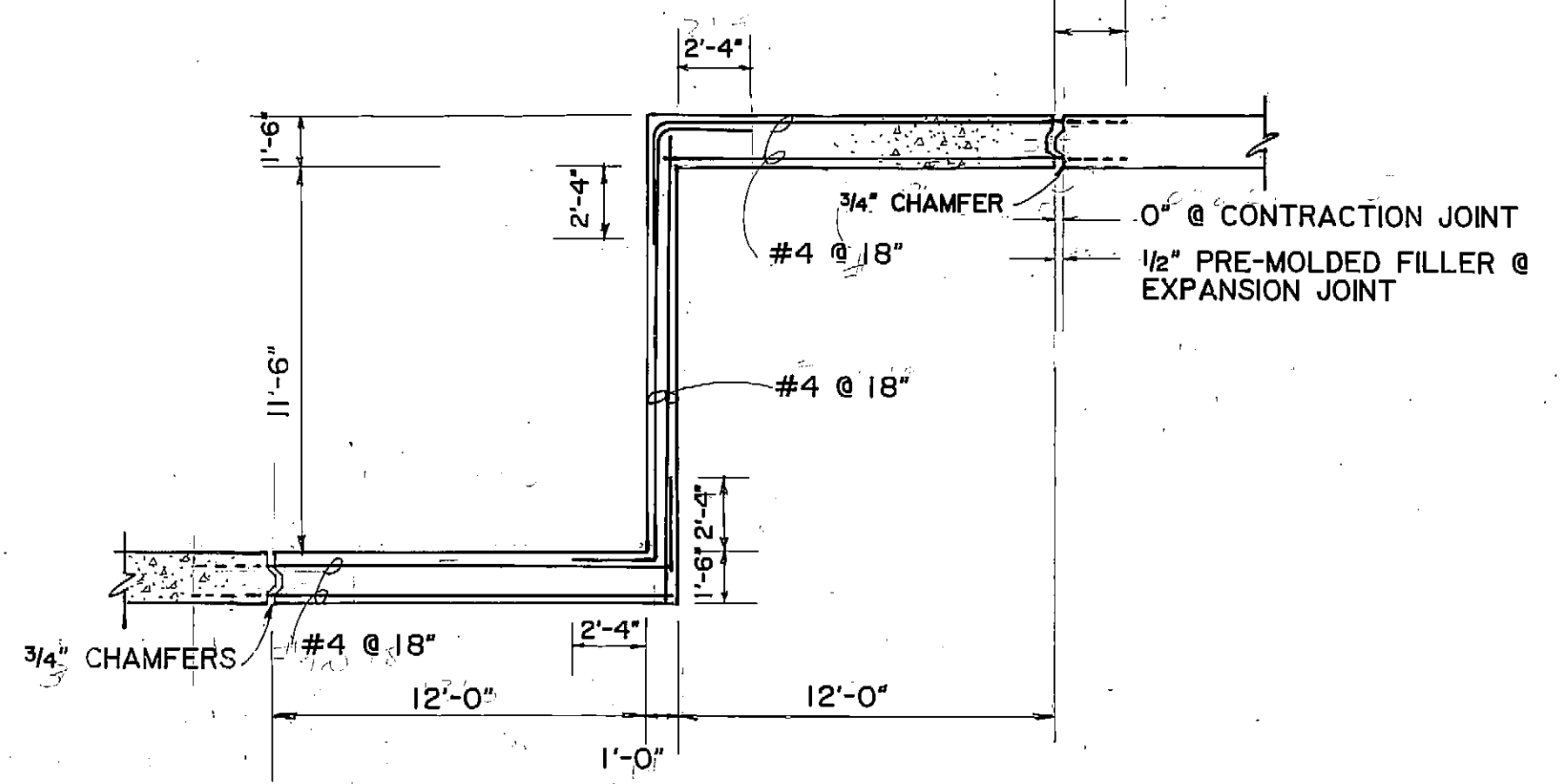
A REGIONAL TRANSFER FACILITY
SCALE: 1/8" = 1'-0"



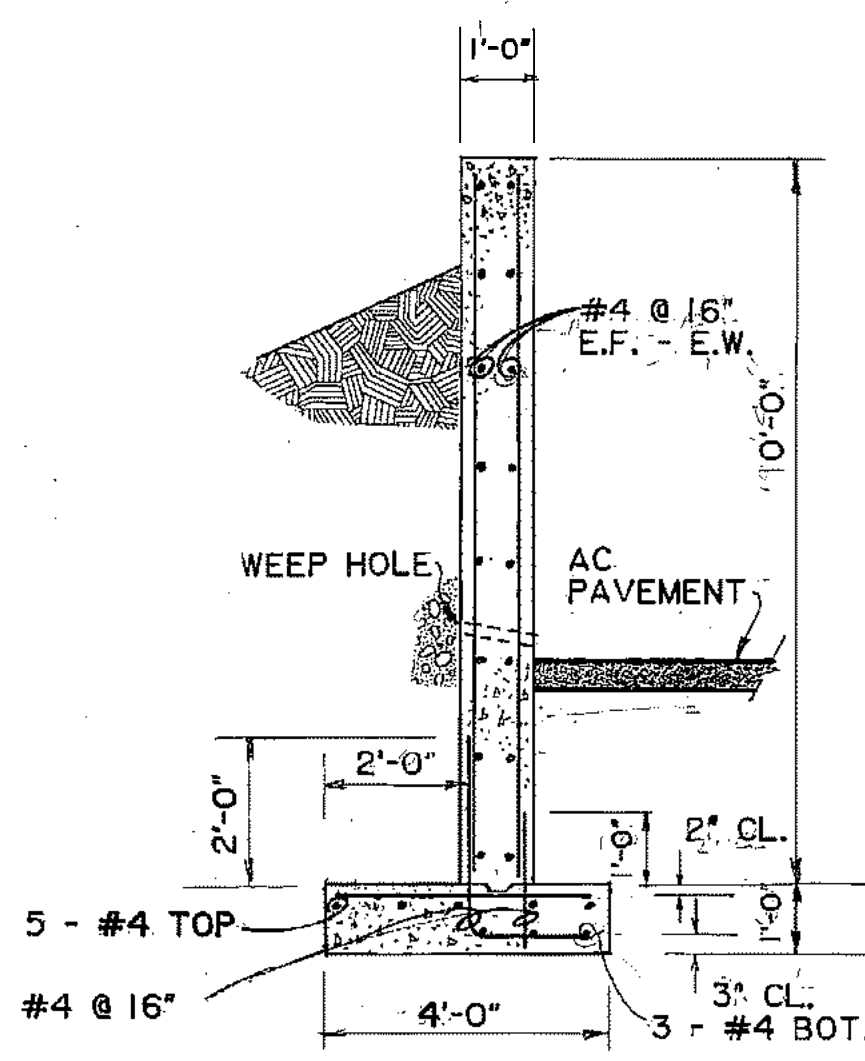
B MILITARY TRANSFER FACILITY
SCALE: 1/8" = 1'-0"



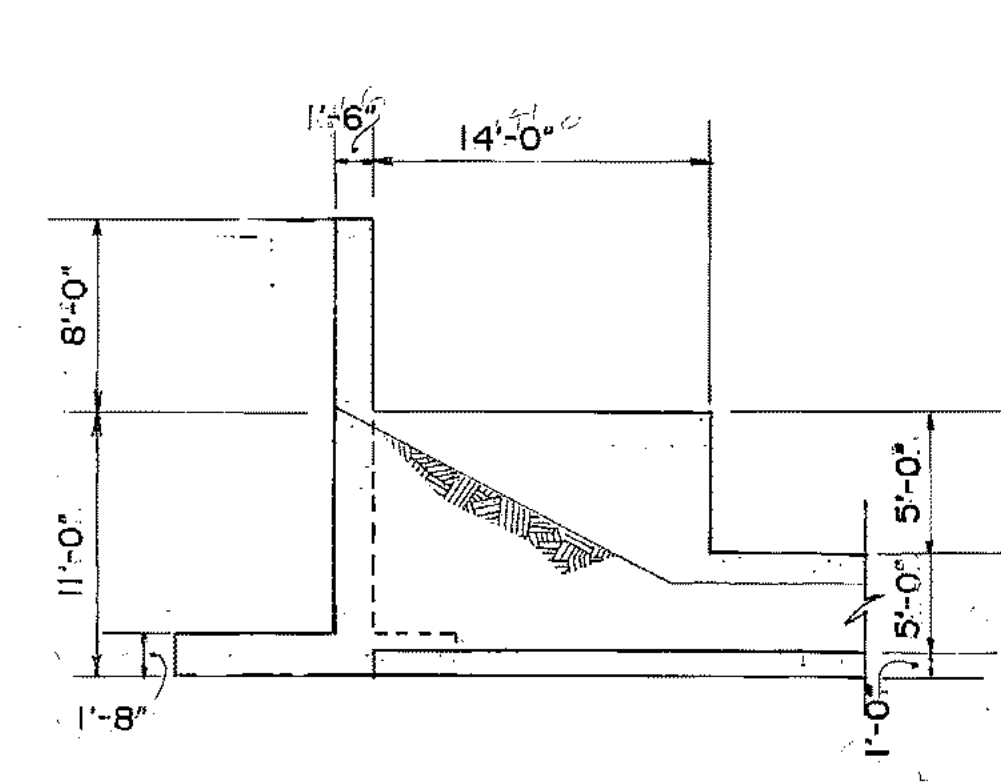
- ① EXTEND EVERY OTHER BAR 2'-4" AT CONTRACTION JOINTS
- ② NO BARS ACROSS JOINT AT EXPANSION JOINT.



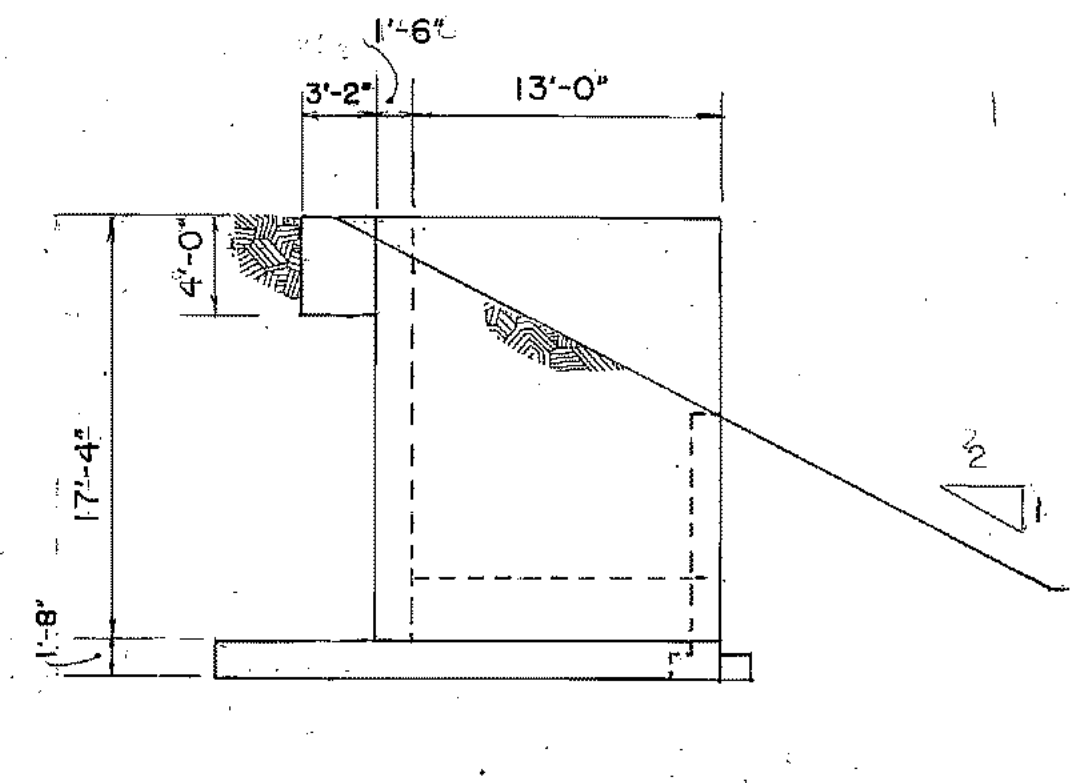
TYPICAL CORNER REINFORCING
SCALE: 3/16" = 1'-0"



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



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



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

NOTE: ALL FOOTINGS & SLABS TO BE SUPPORTED AS SHOWN ON 2-5-6

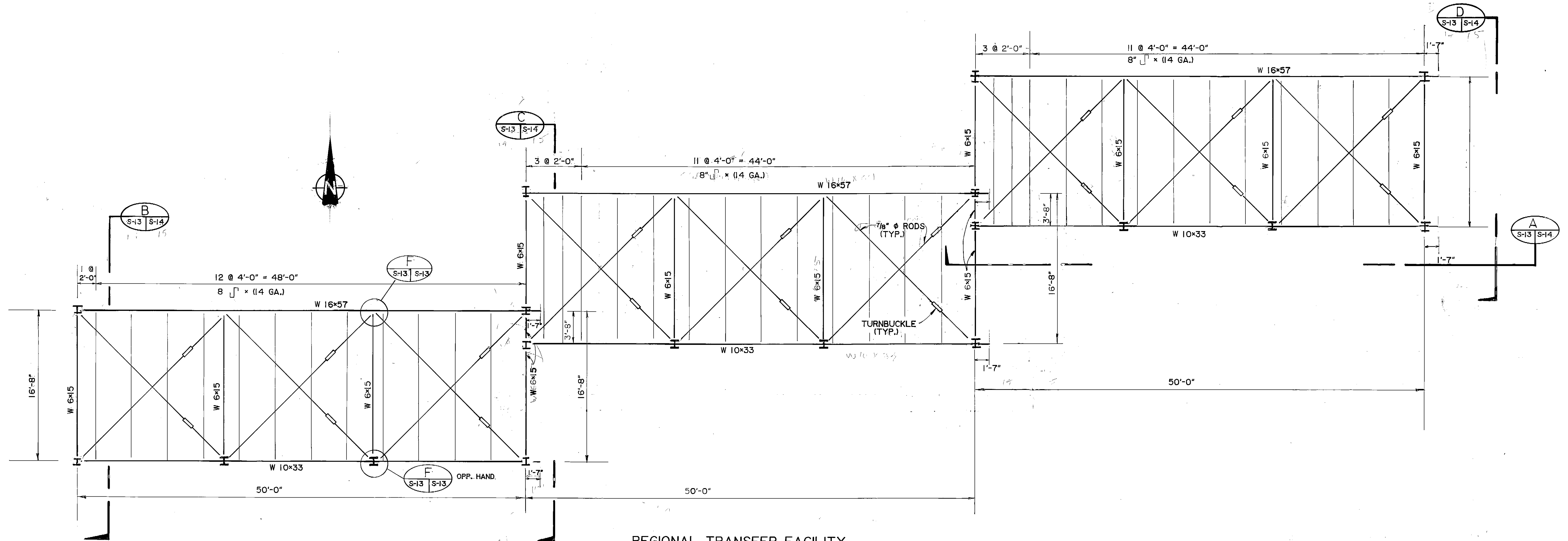
PROJECT NO. 86-010-02 MOA
DESIGNED: J.L.B.
DRAWN: E.B.
CHECKED: WTH
DATE: FEBRUARY 24, 1987
SCALE: AS NOTED

NO.	REVISION	DATE	BY

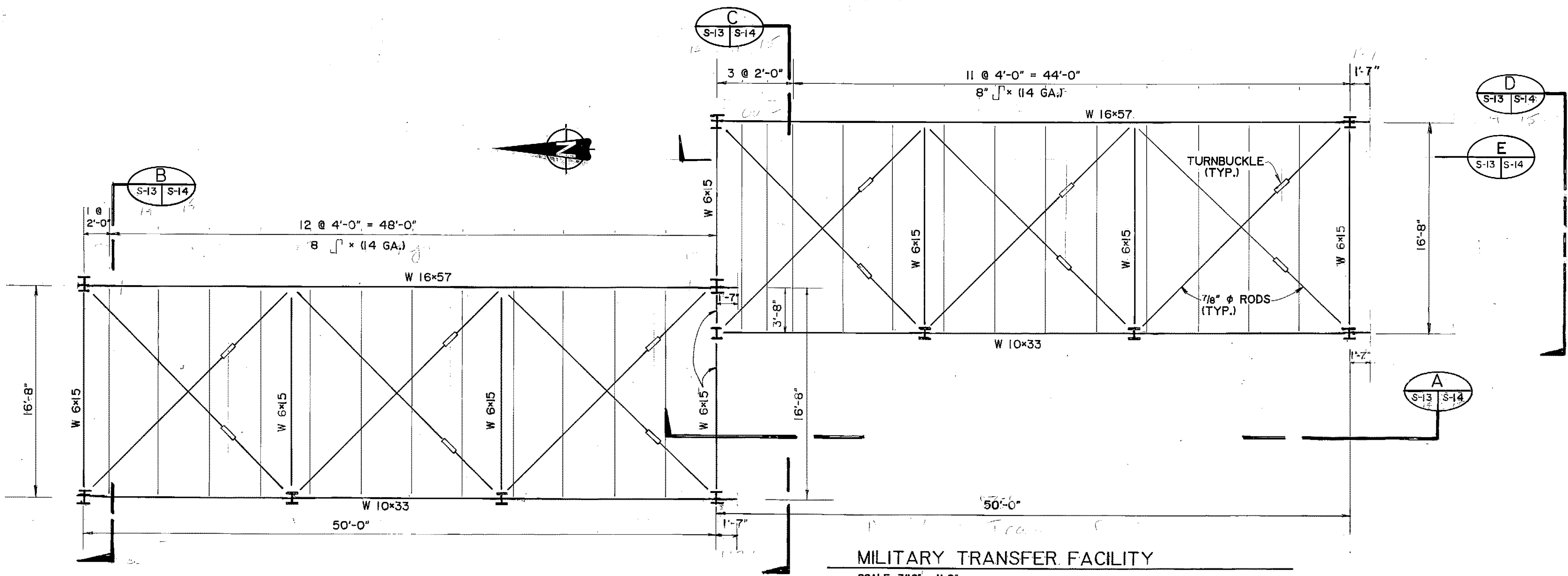
SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
TRANSFER BUILDING
FLOOR PLANS

S-12
SHEET 50 OF 85

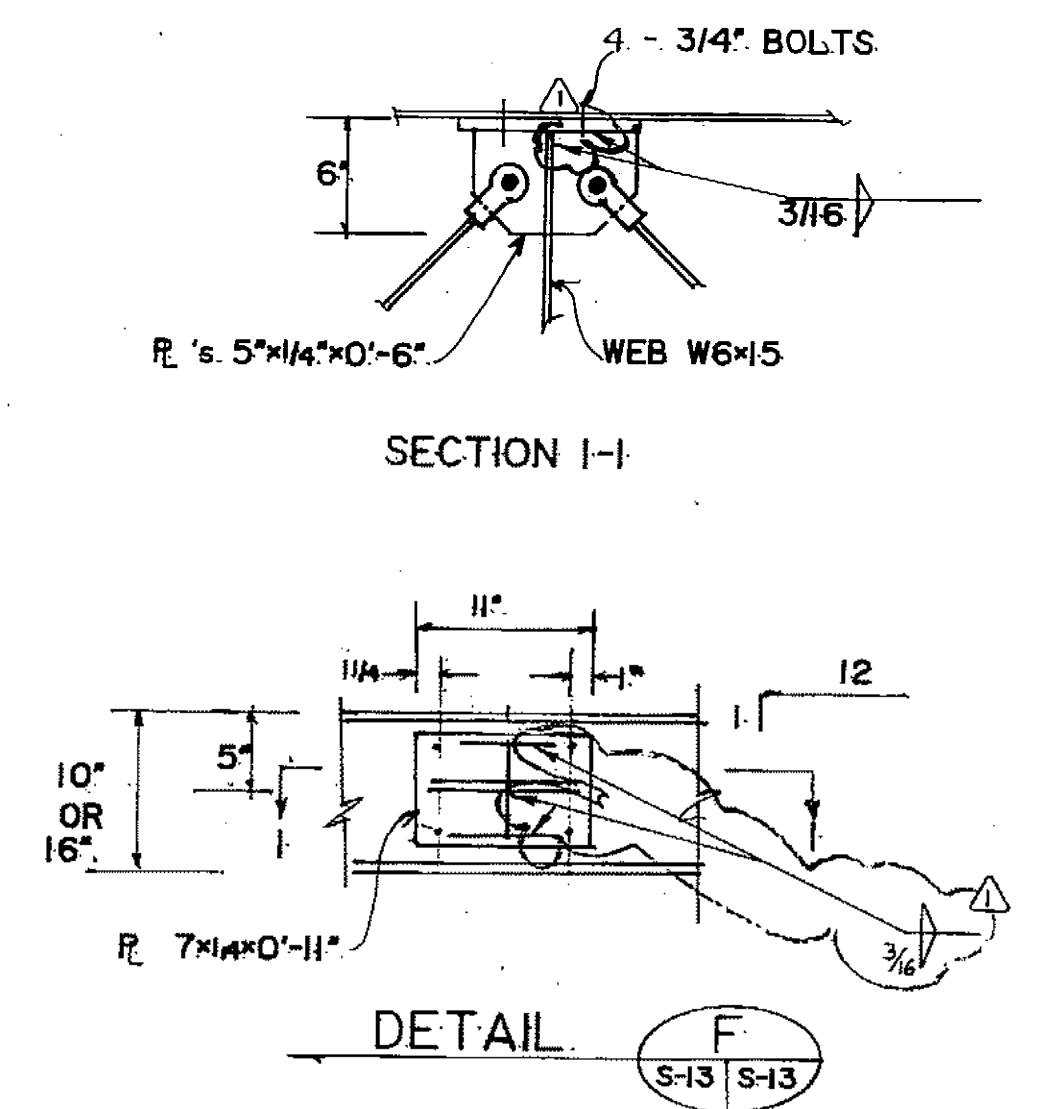
5-13



REGIONAL TRANSFER FACILITY
SCALE: 3/16" = 1'-0"



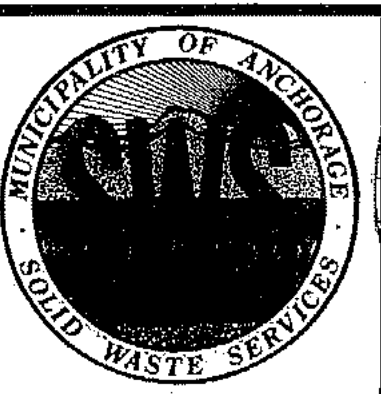
MILITARY TRANSFER FACILITY
SCALE: 3/16" = 1'-0"



ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
DESIGNED: J.L.B.
DRAWN: E.B.
CHECKED: WTH.
DATE: FEBRUARY 24, 1987
SCALE: AS NOTED

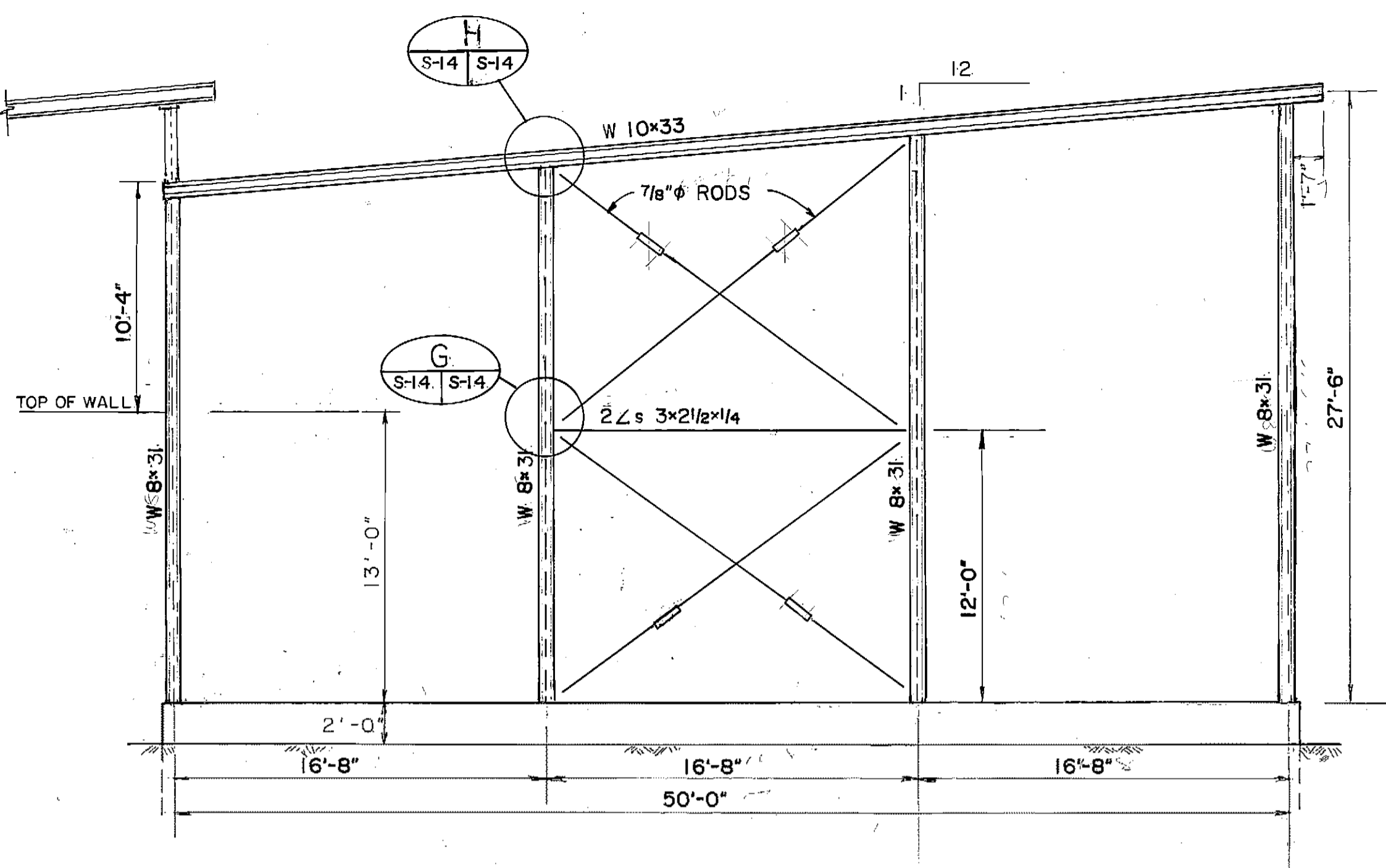
NO.	REVISION	DATE	BY
	CLARIFY NOTES ON WELDS 6/4/87		*bh



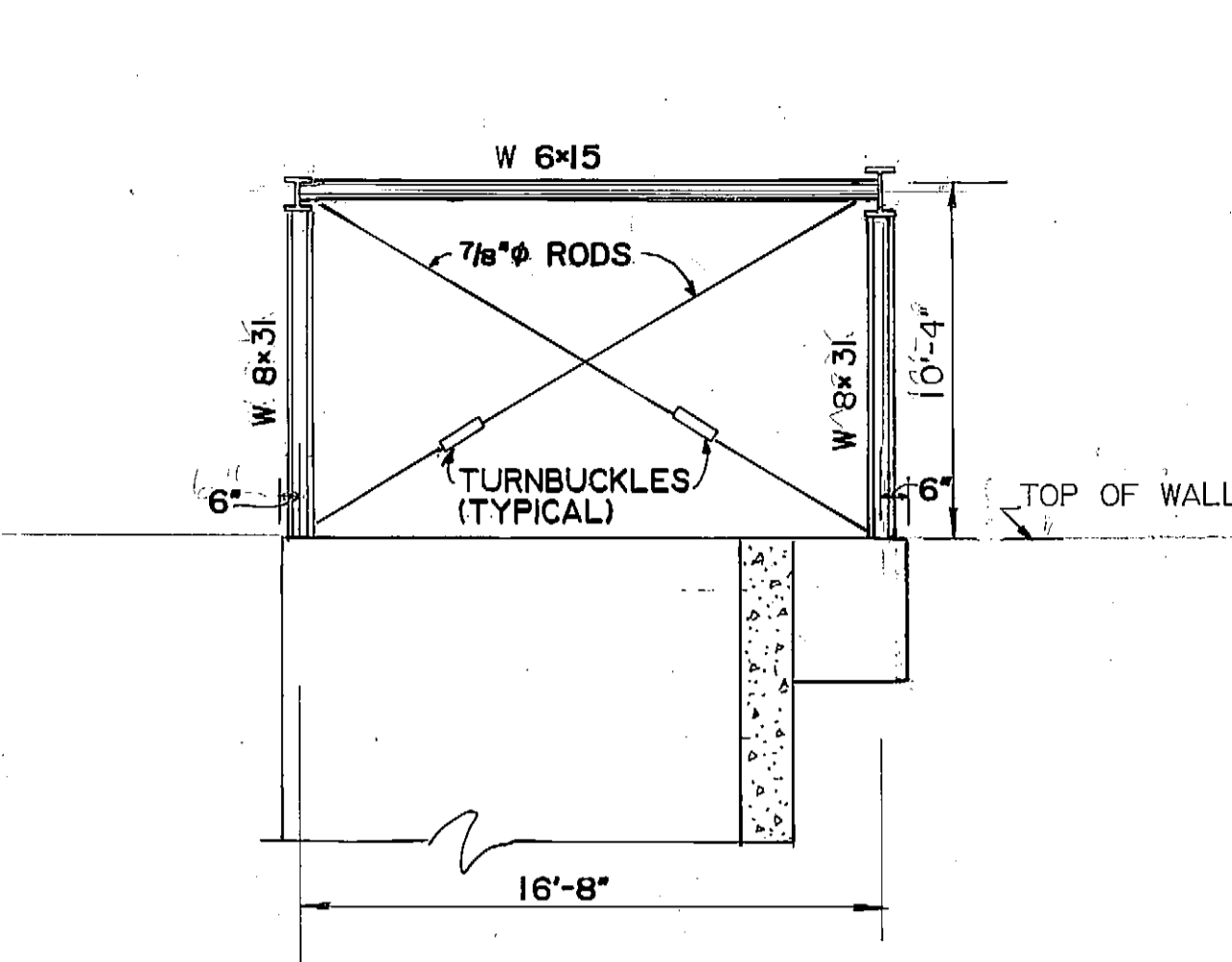
SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
TRANSFER BUILDINGS
ROOF FRAMING

S-13
SHEET 51 OF 85

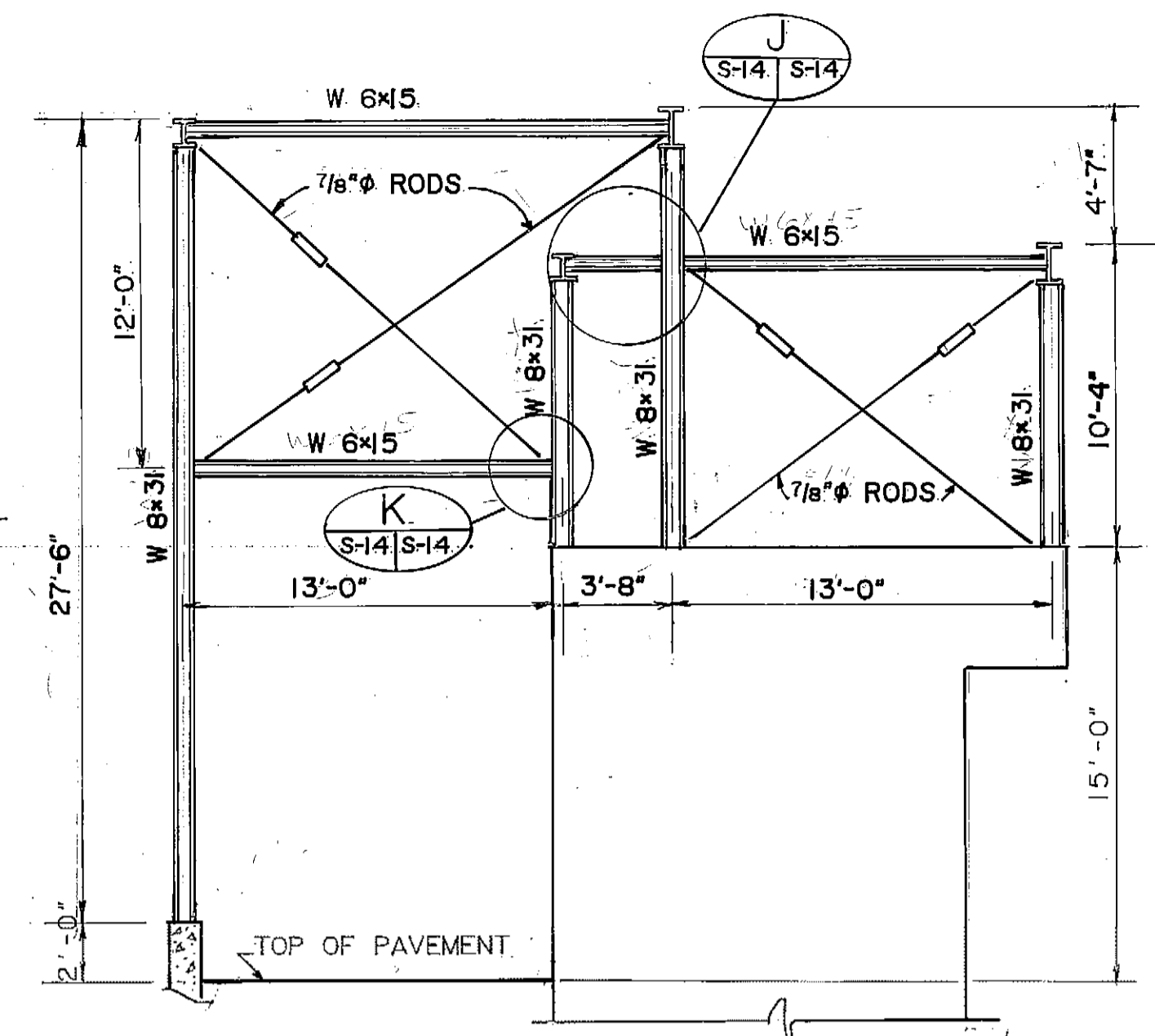
5-14



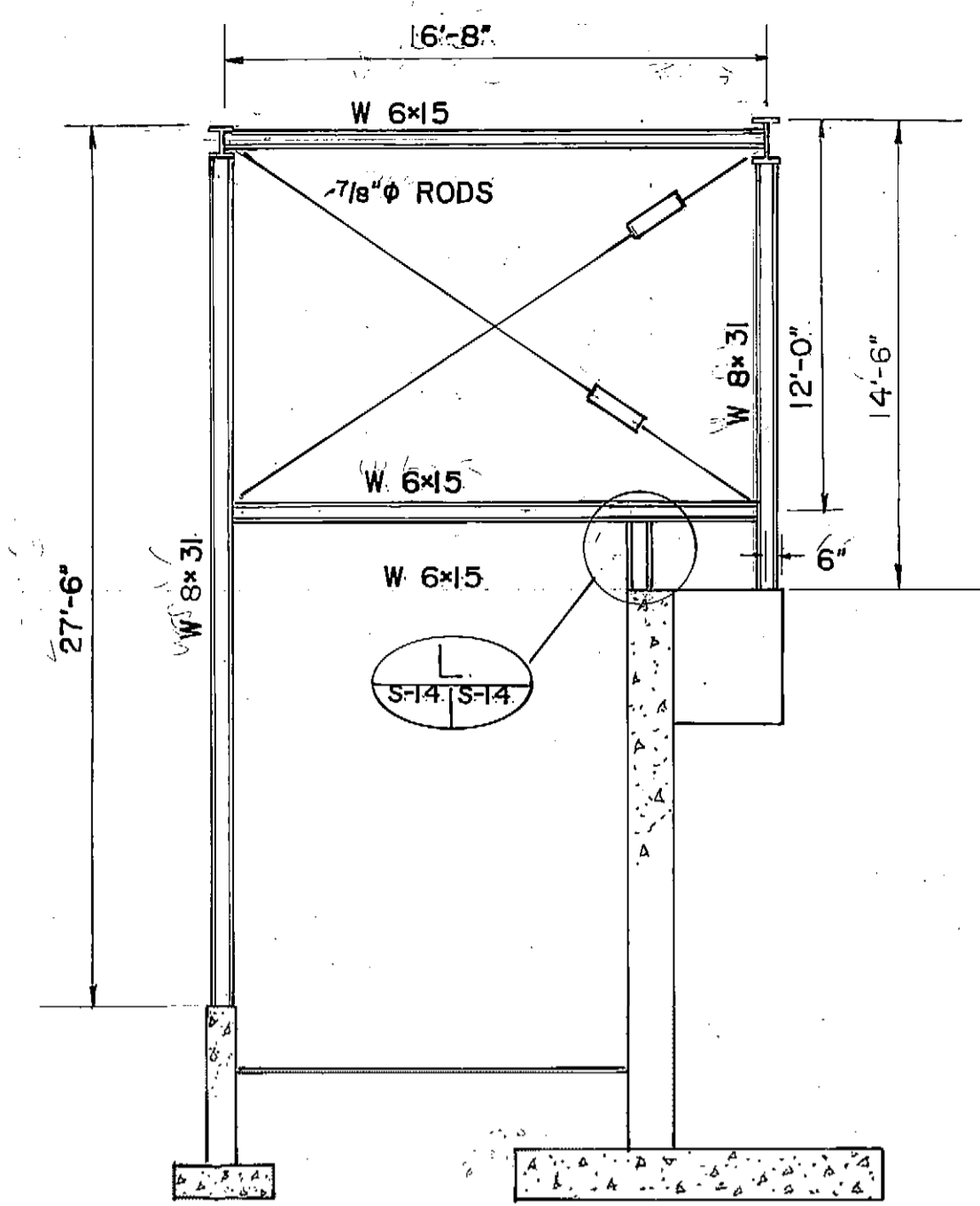
SECTION A
SCALE: 3/16" = 1'-0"



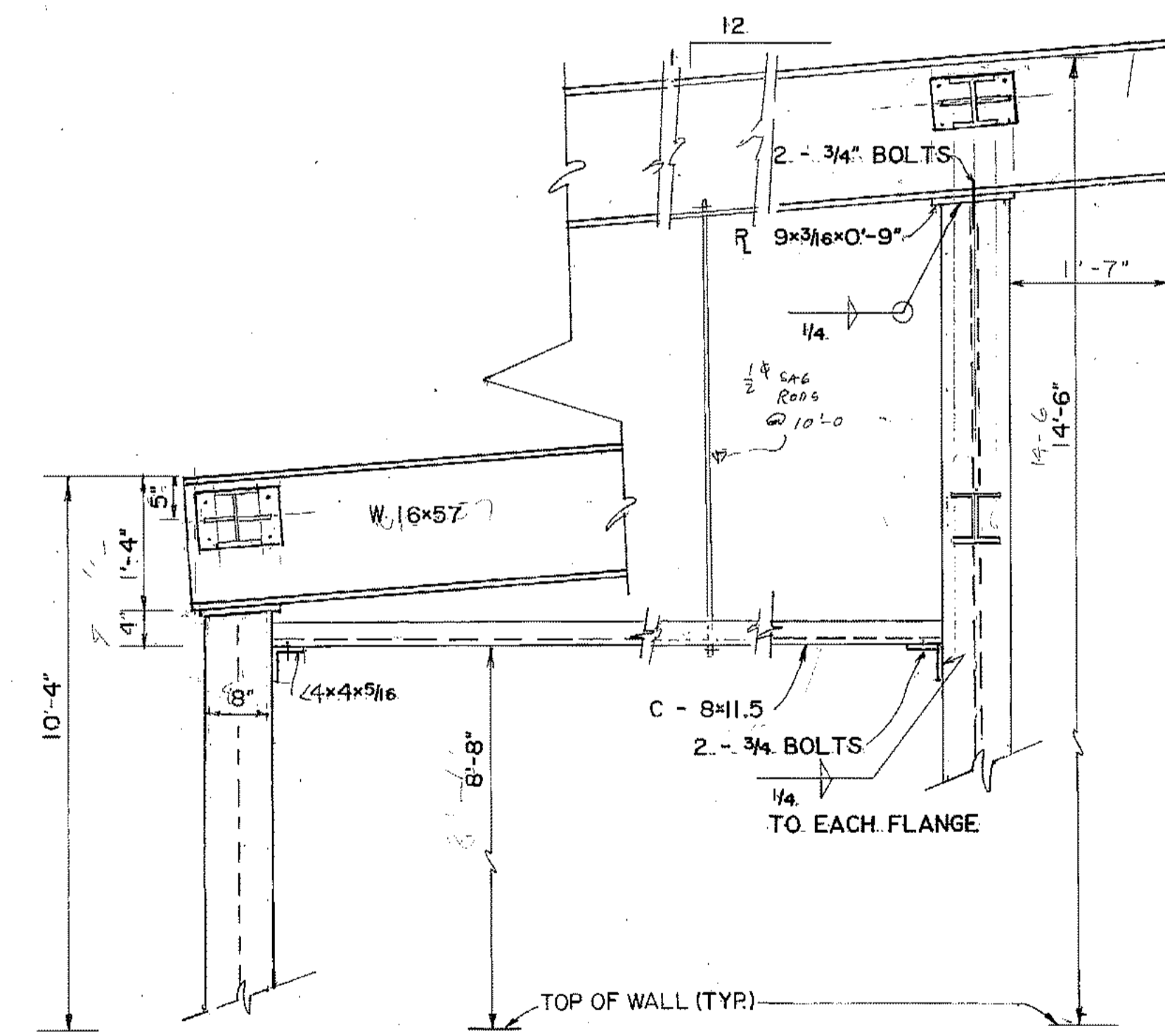
SECTION B
SCALE: 3/16" = 1'-0"



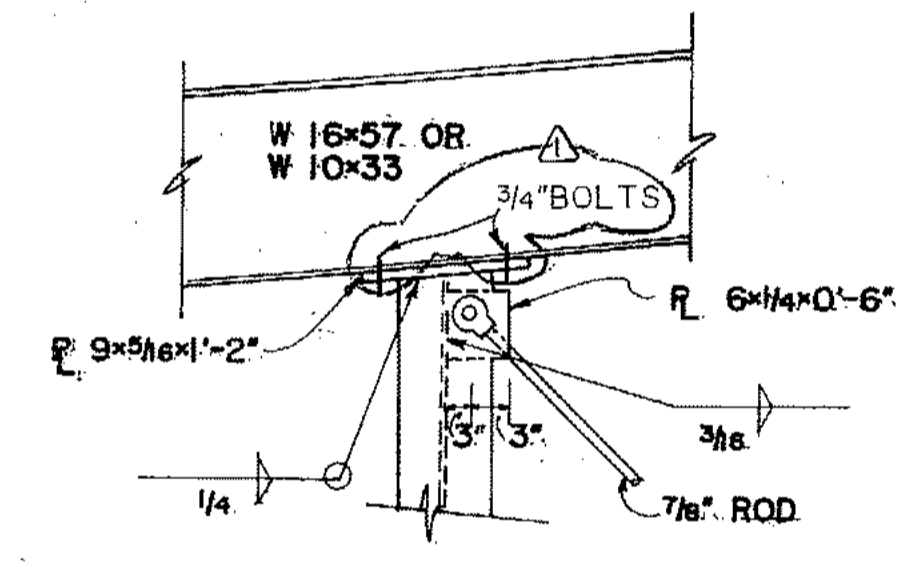
SECTION C
SCALE: 3/16" = 1'-0"



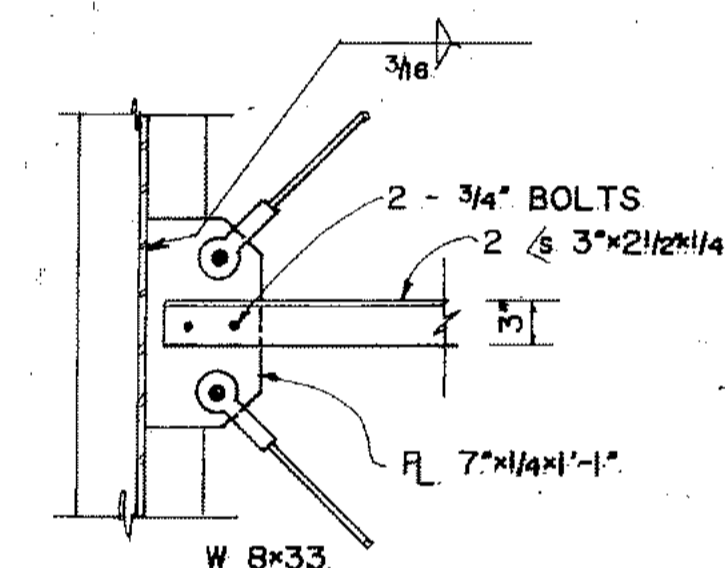
SECTION D
SCALE: 3/16" = 1'-0"



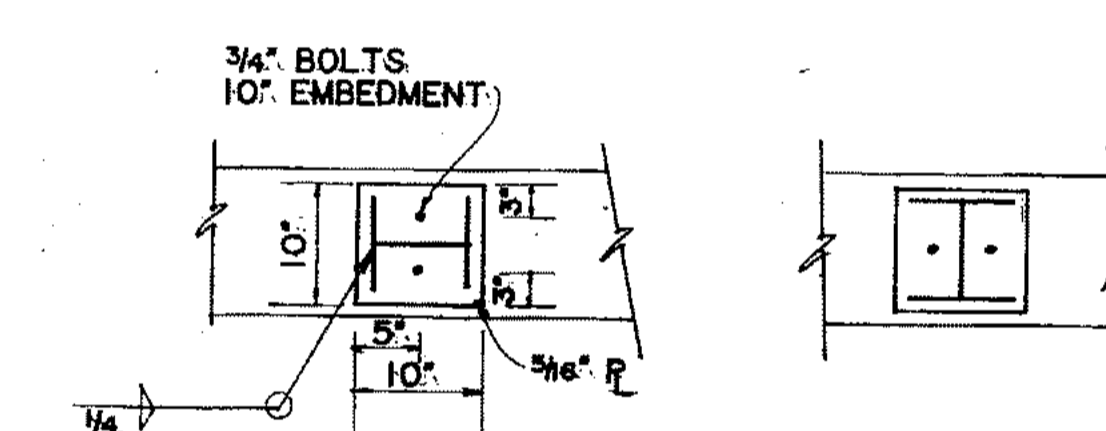
SECTION E
SCALE: 3/4" = 1'-0"



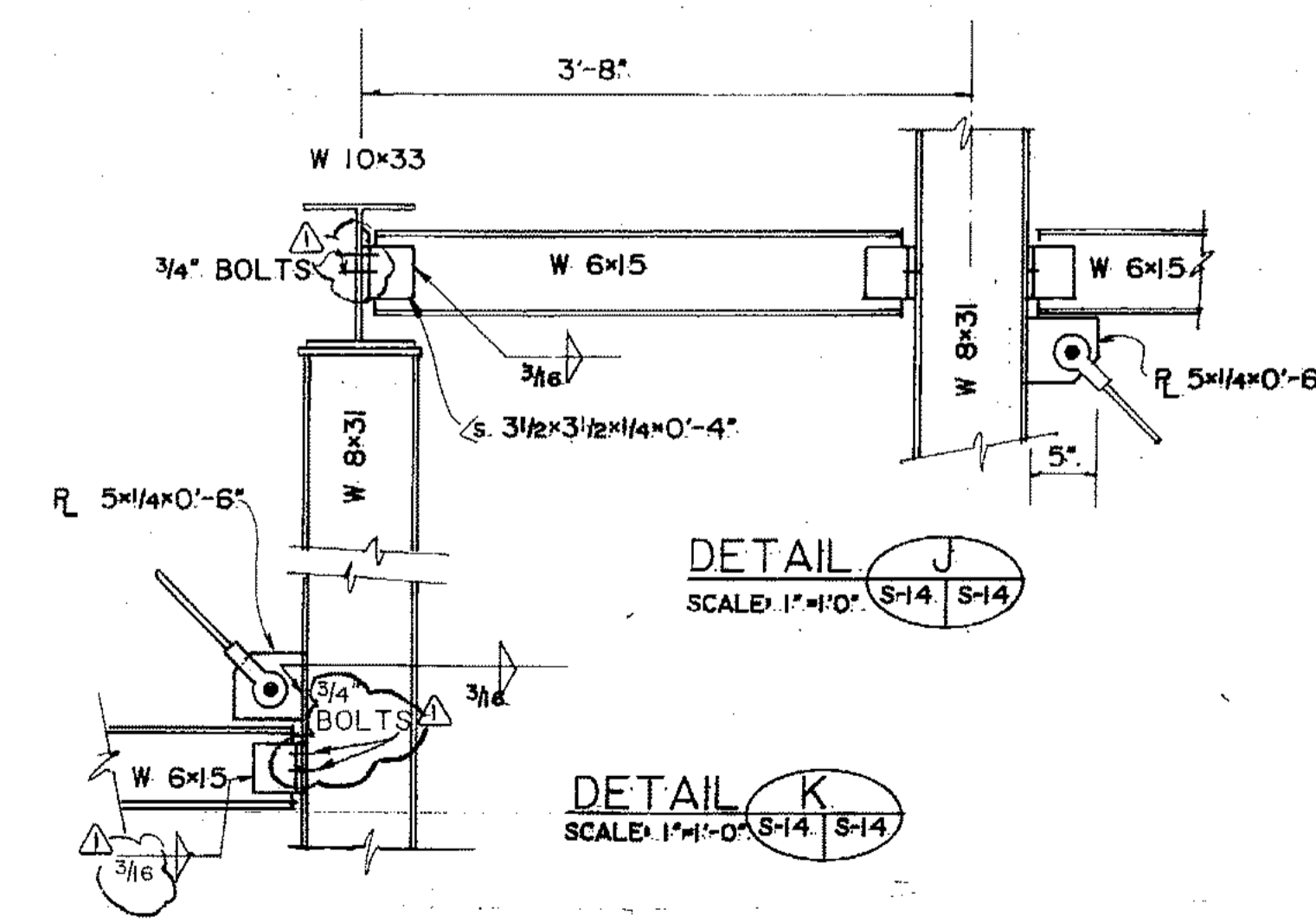
DETAIL H
SCALE: 3/4" = 1'-0"



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

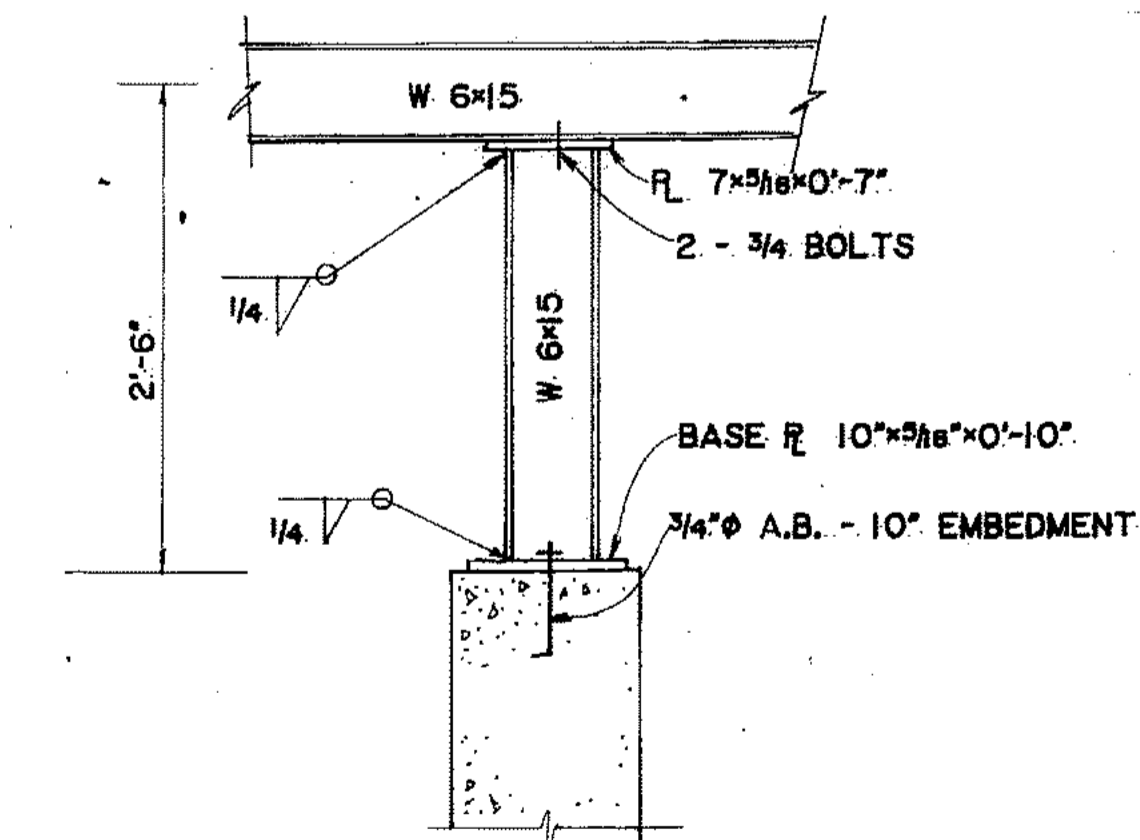


BASE PLATE DETAILS
SCALE: 3/4" = 1'-0"

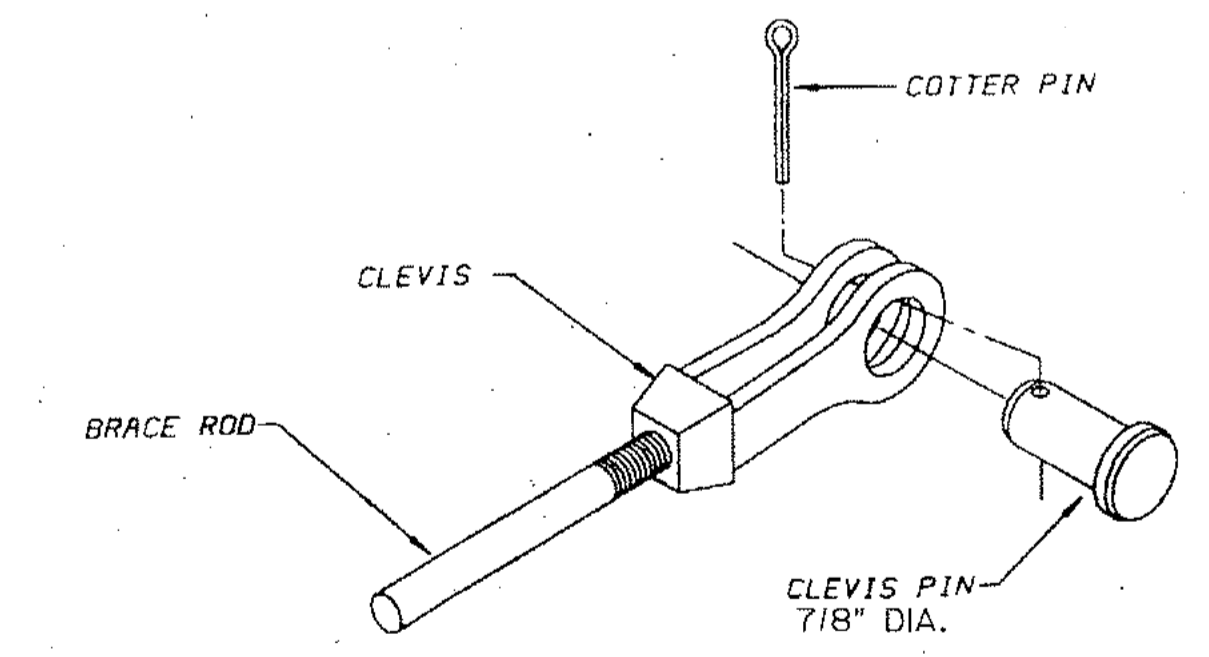


DETAIL J
SCALE: 1" = 1'-0"

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



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

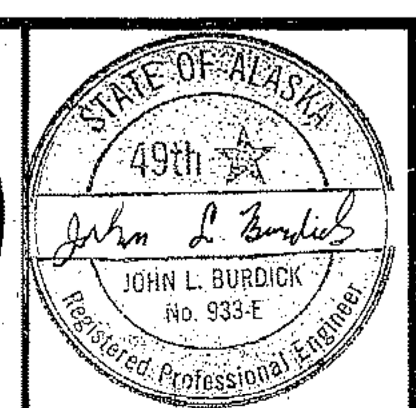
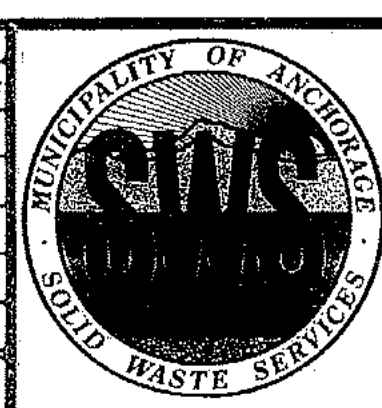


CLEVIS DETAIL
N.T.S.

NOTE:
ALL BOLTS ARE 3/4" A 325 UNLESS NOTED.
ALL WELDS ARE 3/16" FILLET UNLESS NOTED.

PROJECT NO. 86-010-02 MOA
DESIGNED: J.L.B.
DRAWN: E.B.
CHECKED: WTH
DATE: FEBRUARY 24, 1987
SCALE: AS NOTED

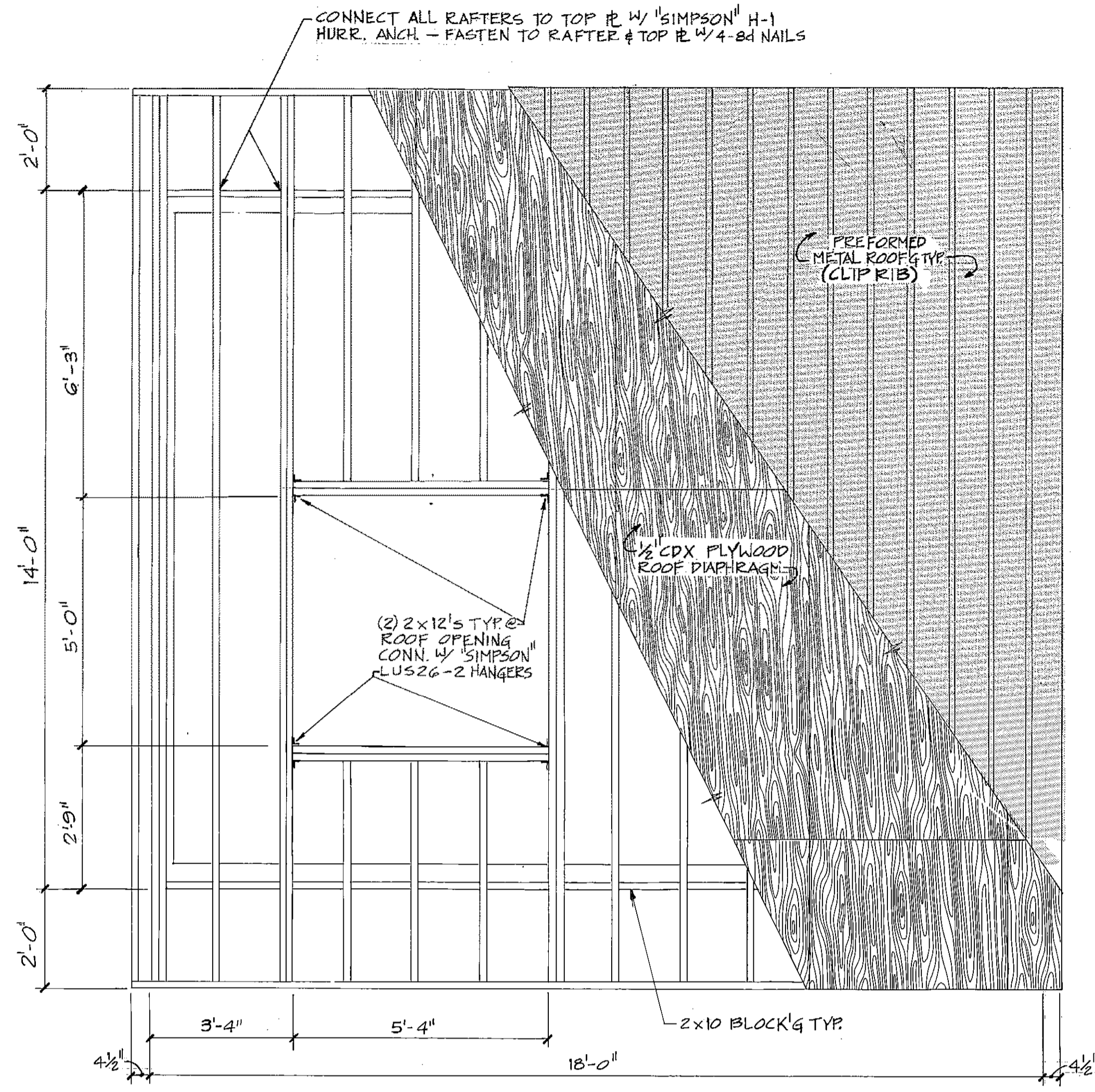
NO.	REVISION	DATE	BY
	ADD INFO Re BOLTS & WELDS 6/4/87bh		



SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
TRANSFER FACILITIES
SECTIONS

S-14
SHEET 52 OF 85

5-15



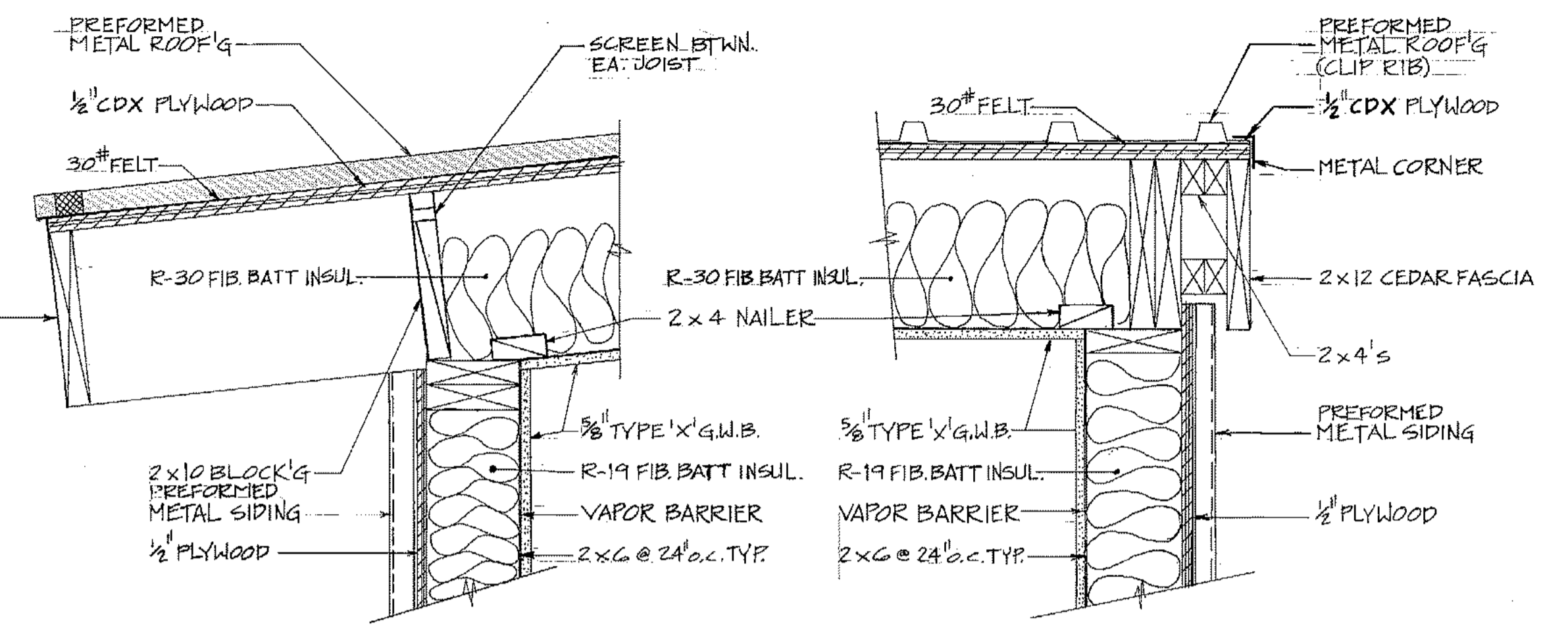
ROOF FRAMING PLAN
SCALE: 1/2" = 1'-0"

DESIGN CRITERIA

UNIFORM BUILDING CODE (UBC) 1985 EDITION
 WIND LOAD: 100 MPH
 EARTHQUAKE: ZONE 4
 SNOW LOAD: 40 PSF
 CONCRETE: $f'_c = 4000$ PSI
 REINFORCEMENT: $f_y = 60,000$ PSI
 ALLOWABLE SOIL BEARING PRESSURE: 2000 PSF
 ALL WOOD FRAMING SHALL MEET OR EXCEED THE FOLLOWING CRITERIA:
 $F_u = 975$ PSI
 $F_v = 75$ PSI
 $E = 1.2 \times 10^6$ IN²
 $E_p = 925$ PSI
 $F_{t1} = 475$ PSI

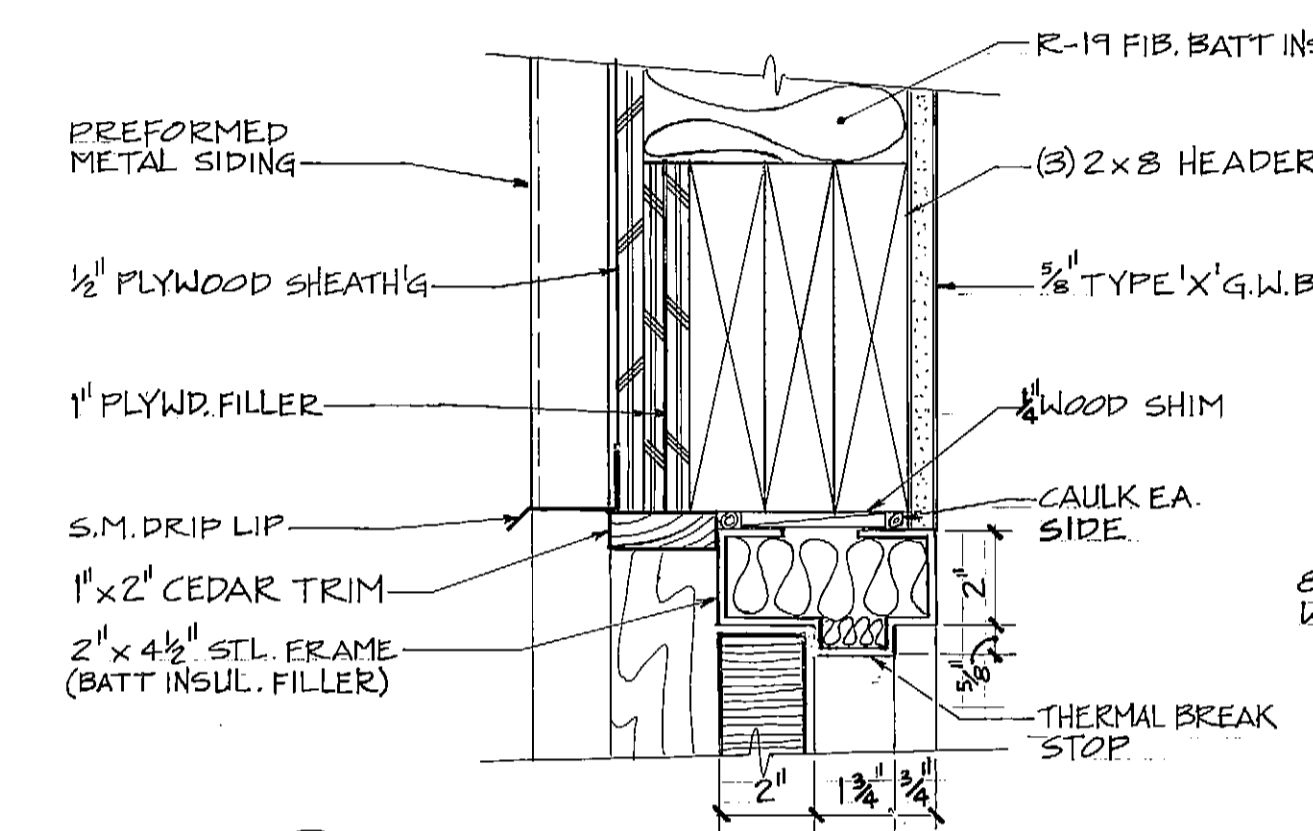
NOTES

- 1) THE ROOF DIAPHRAGM SHALL BE CONSTRUCTED OF 1/2" CDX PLYWOOD AND SHALL BE NAILED IN ACCORDANCE WITH THE 1985 UNIFORM BUILDING CODE (UBC) TO PROVIDE A SHEAR LOAD CAPACITY OF 415 PLF.
- 2) THE WALLS SHALL BE SHEATHED WITH 1/2" CDX PLYWOOD AND SHALL BE NAILED IN ACCORDANCE WITH UBC TO PROVIDE A SHEAR LOAD CAPACITY OF 270 PLF.
- 3) AT ALL BUILDING CORNERS AND EA. SIDE OF OPENINGS, DOUBLE STUDS SHALL BE ANCHORED TO THE FOUNDATION W/ SIMPSON HD-2 HOLD-DOWNS TO RESIST AN UPLIFT FORCE OF 2750#
- 4) ALL WALL STUDS ARE TO BE 2x6 SPACED A MAXIMUM OF 24" o.c.
- 5) ALL ROOF RAFTERS ARE TO BE 2x12 SPACED A MAXIMUM OF 16" o.c.
- 6) STAINLESS STEEL FASTENERS SHALL BE USED FOR ALL GROUND CONTACT AND MOISTURE SITUATIONS.
- 7) FASTENERS AND ANCHOR BOLTS USED IN CONCRETE FOUNDATION WALL SHALL BE STAINLESS STEEL.
- 8) ALL NAILED CONNECTIONS SHALL BE IN ACCORDANCE WITH UBC TABLE 25-Q UNLESS SPECIFIED OTHERWISE.
- 9) DOOR SCHEDULE:
 DOOR NO: PH-1
 SIZE: 3'x7'x1 3/4" PR.
 TYPE RATING: SEE A-15
 MATERIAL: HOLLOW METAL/WITH URETHANE CORE
 FINISH: PAINT
 FRAME: METAL
 HDWR: GROUP 10

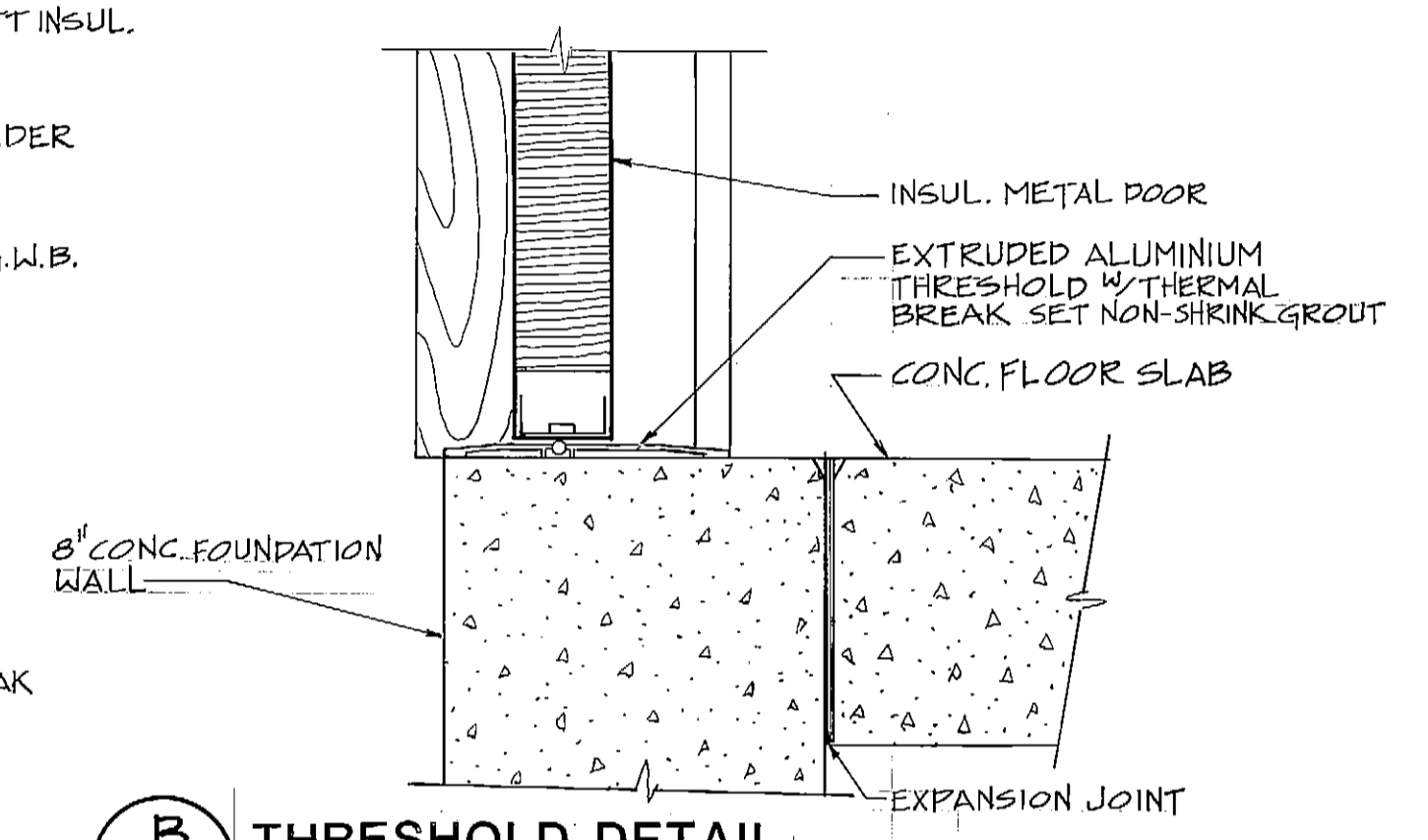


1 EAVE DETAIL
SCALE: 1 1/2" = 1'-0"

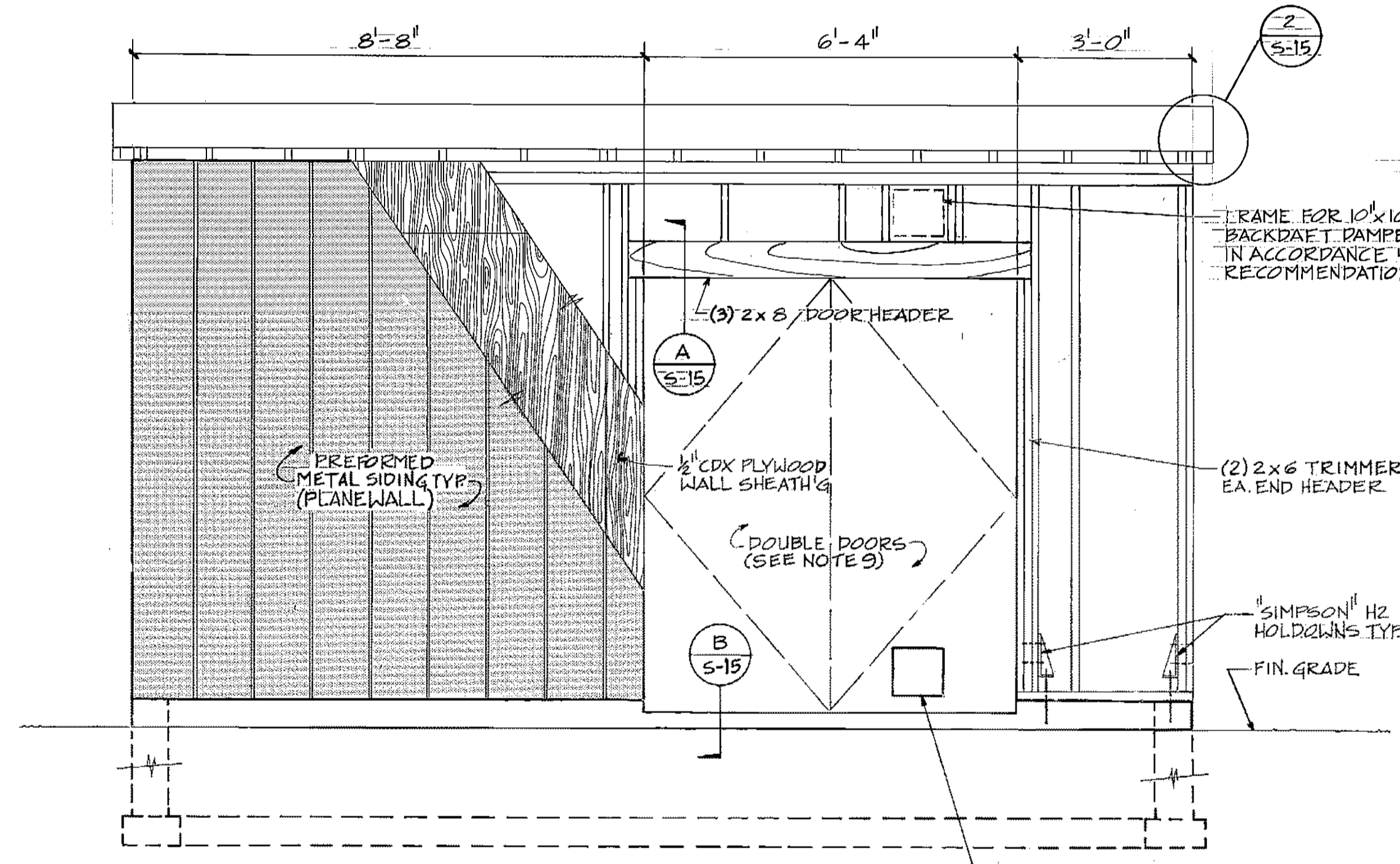
2 RAKE DETAIL
SCALE: 1 1/2" = 1'-0"



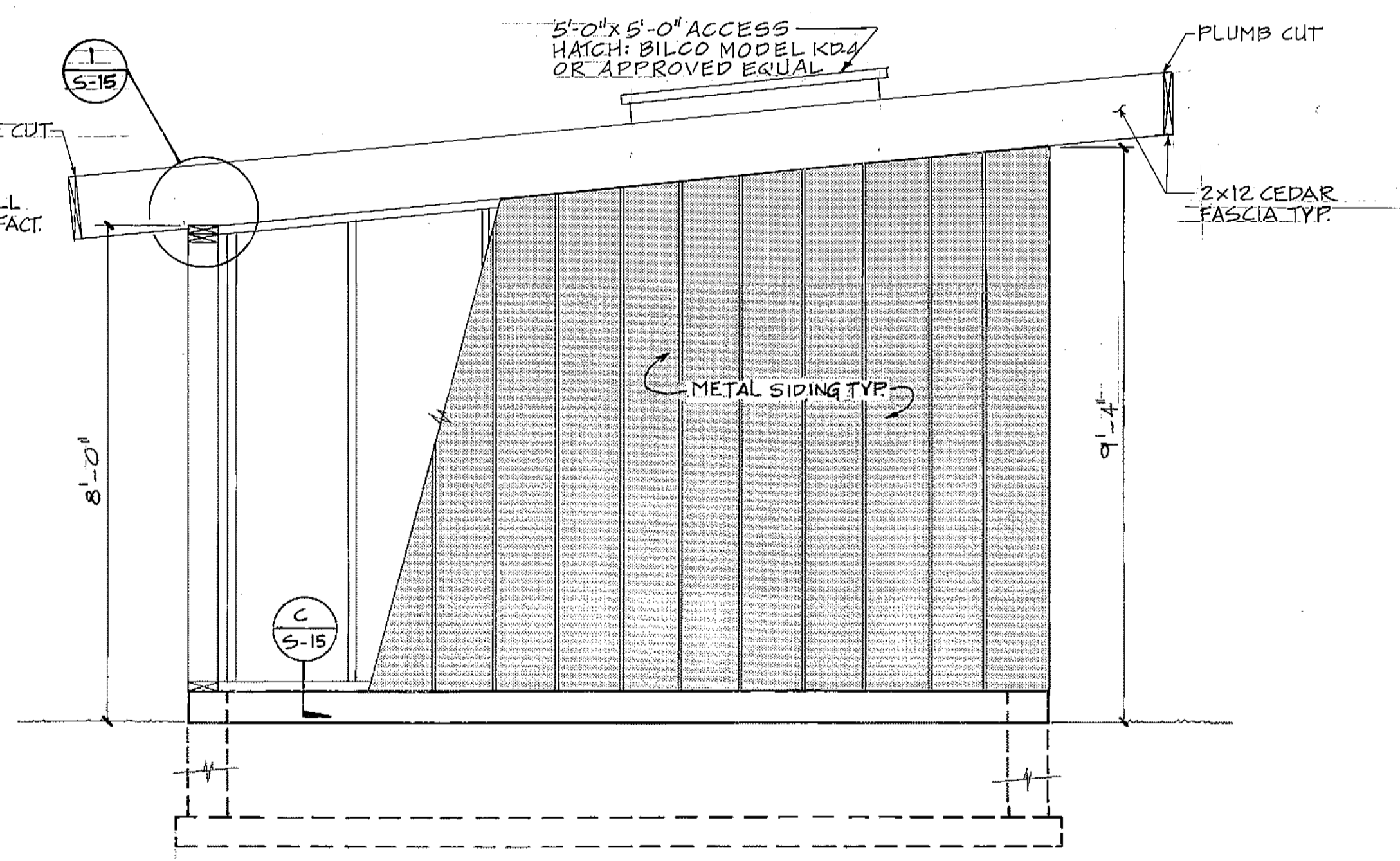
A HEAD/JAMB DETAIL
SCALE: 3" = 1'-0"



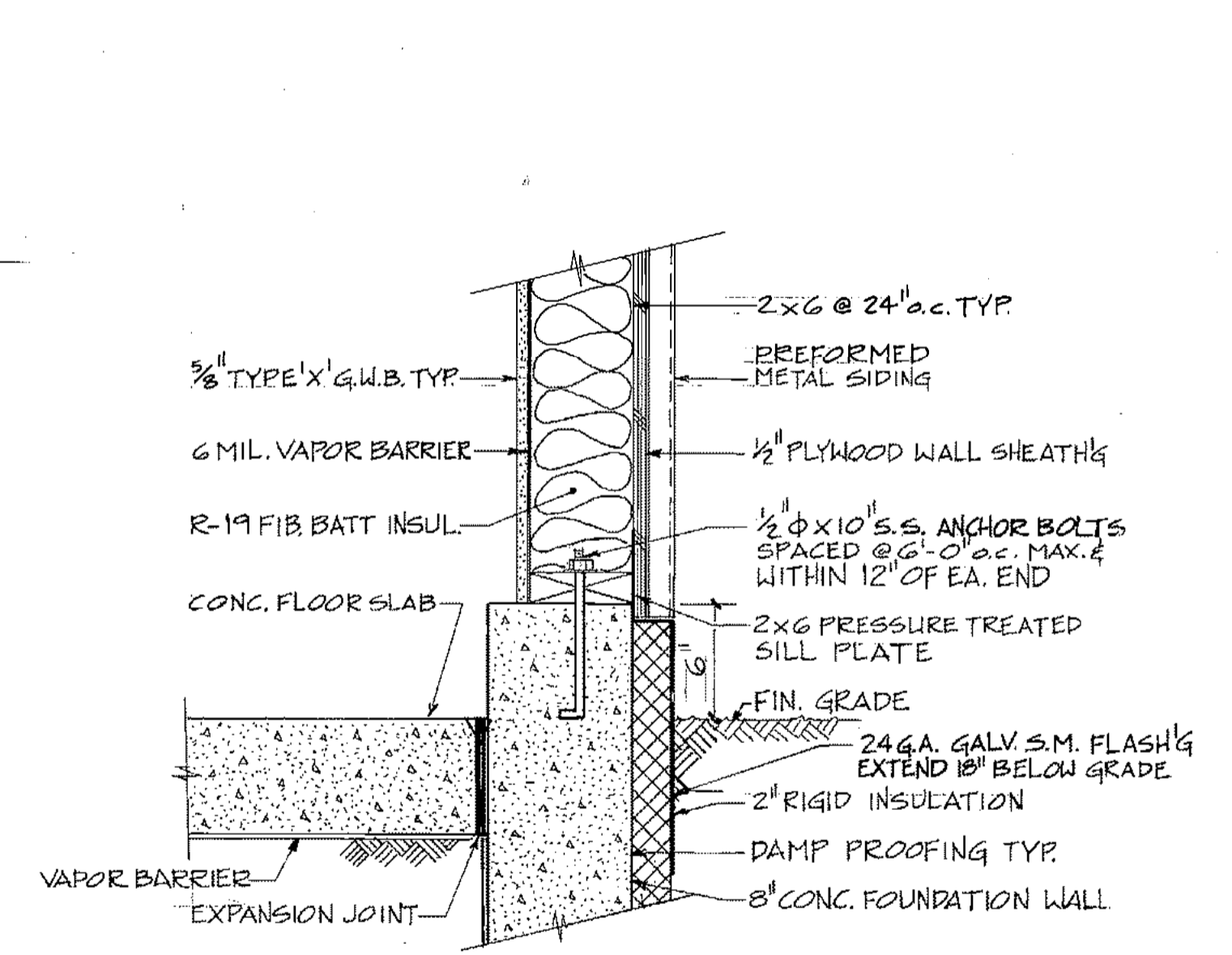
B THRESHOLD DETAIL
SCALE: 3" = 1'-0"



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



WEST ELEVATION/EAST ELEVATION SIMILAR
SCALE: 1/2" = 1'-0"



C WALL/FOUNDATION SHEAR CONNECTION
SCALE: 1 1/2" = 1'-0"

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 M0A
 DESIGNED: JAG
 DRAWN: GJR, AKF
 CHECKED: WTH
 DATE: FEBRUARY 24, 1987
 SCALE: AS NOTED

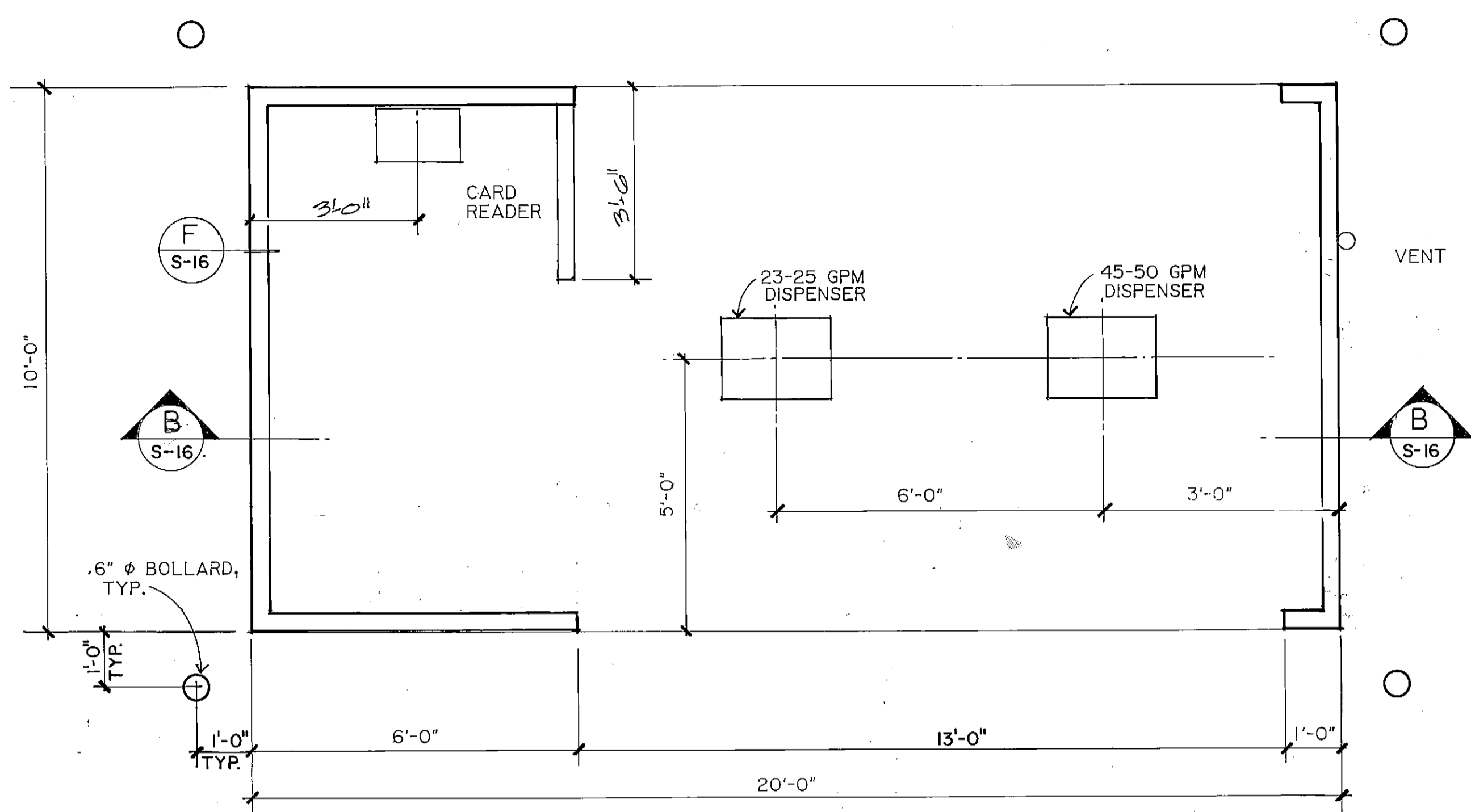
NO.	REVISION	DATE	BY



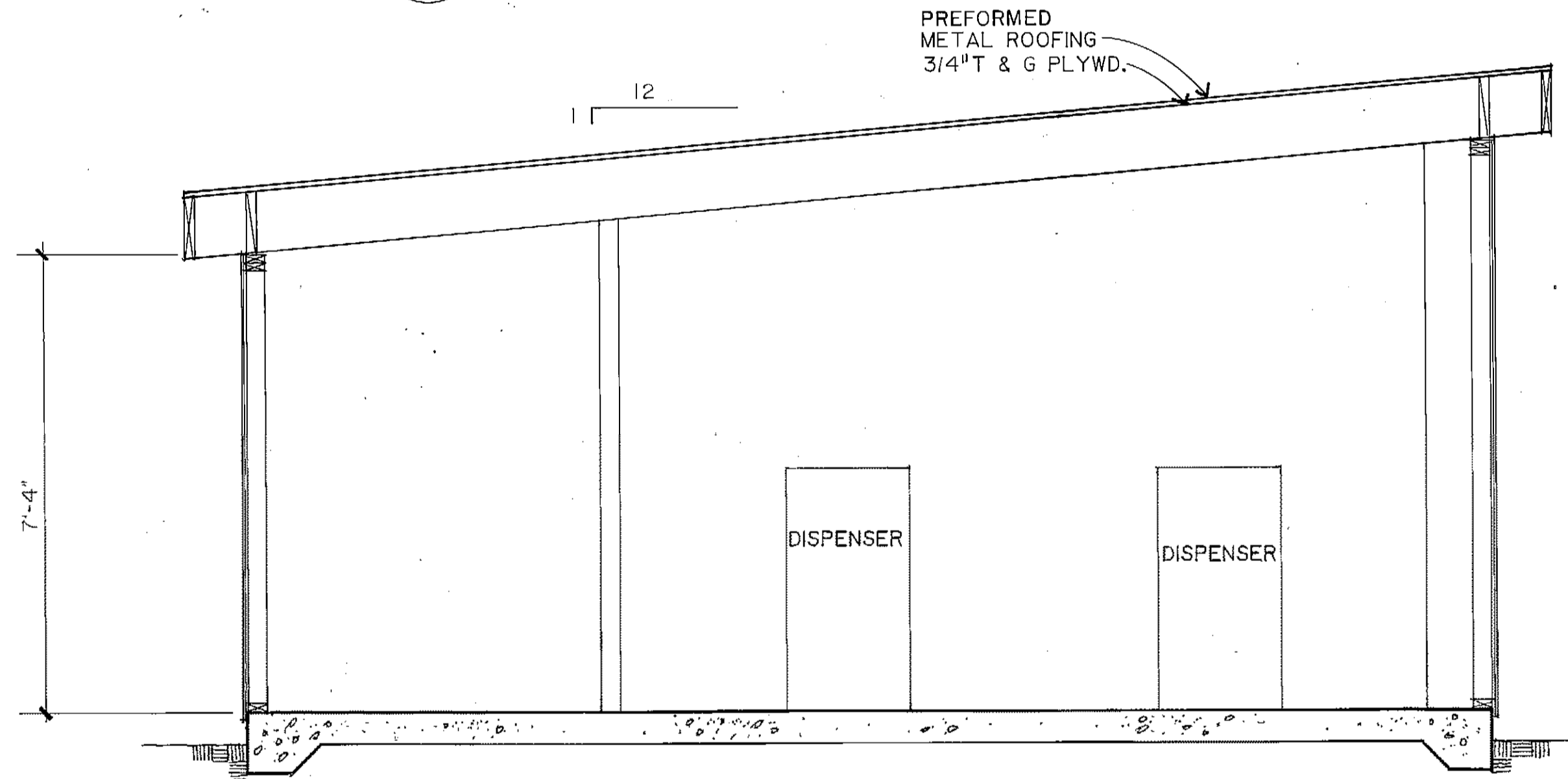
SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
PUMP HOUSE STRUCTURE

S-15
 SHEET 53 OF 85

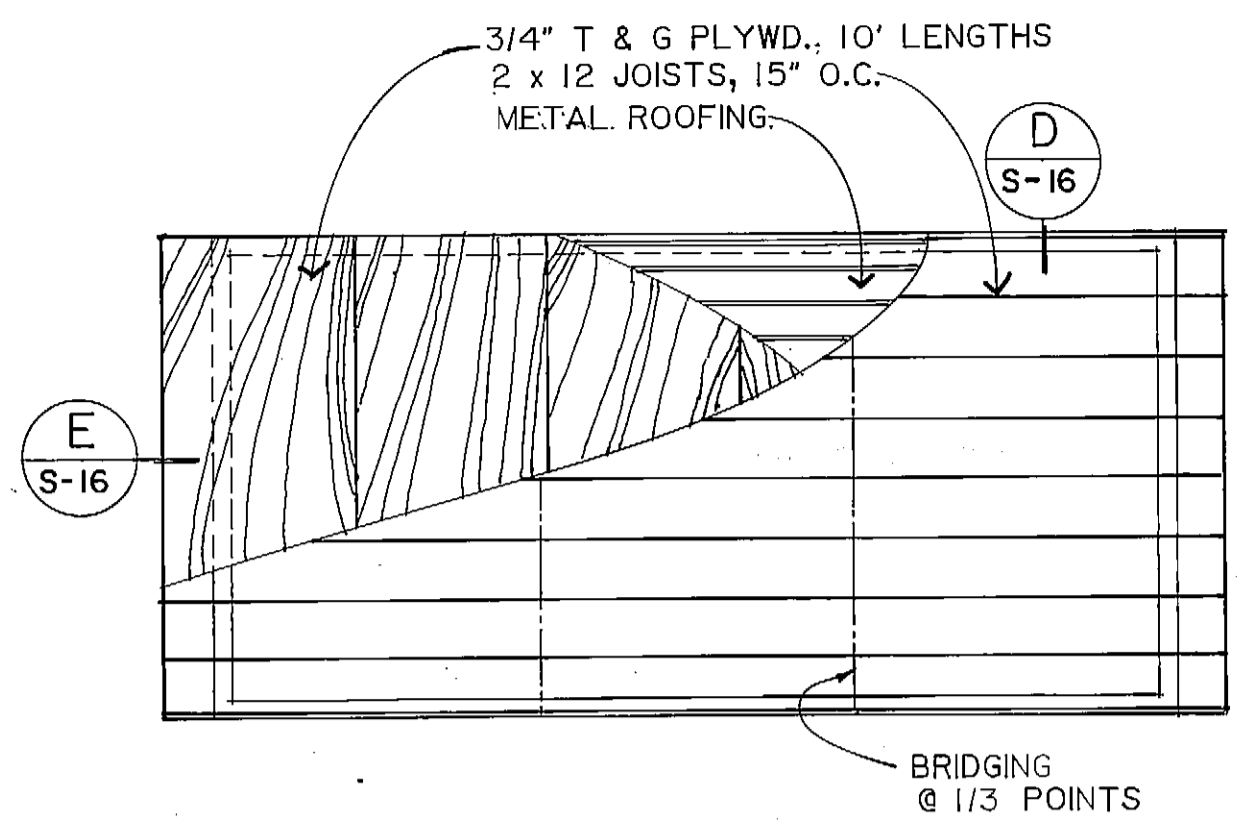
5-16



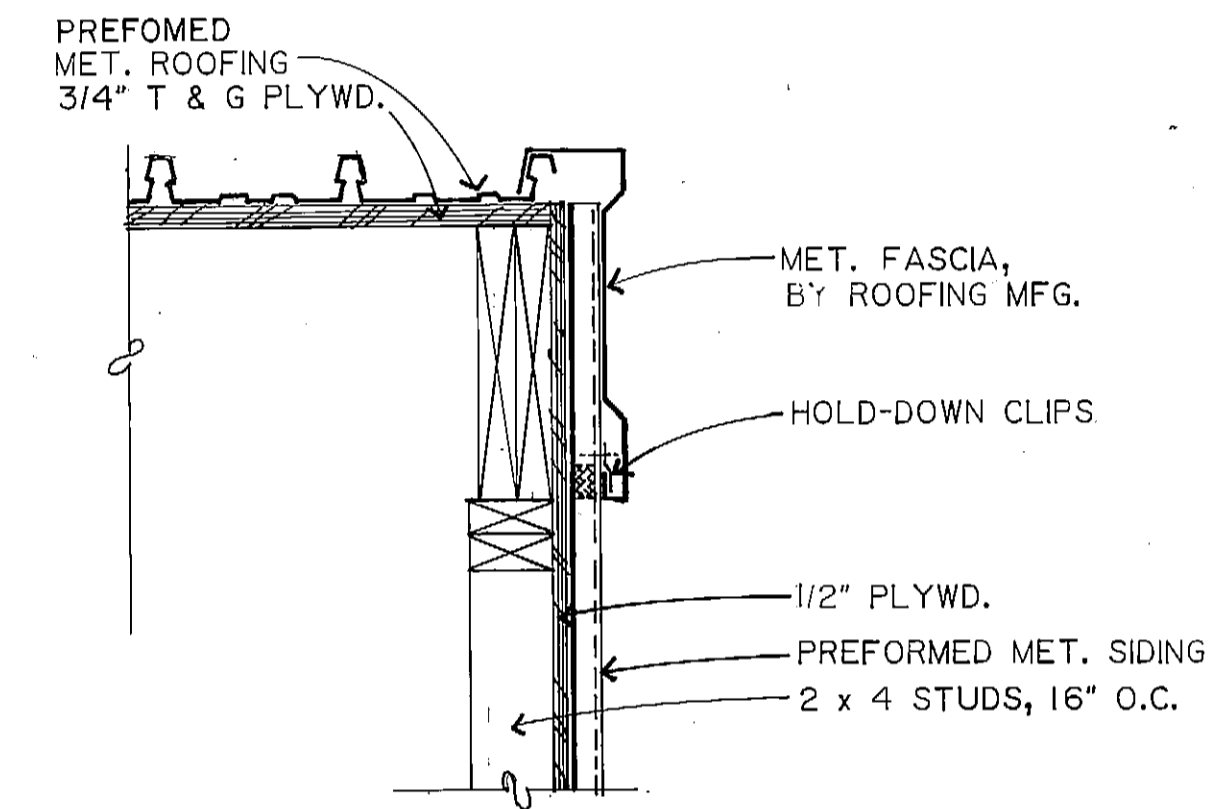
A
S-16
FLOOR PLAN
SCALE: 1/2"=1'-0"



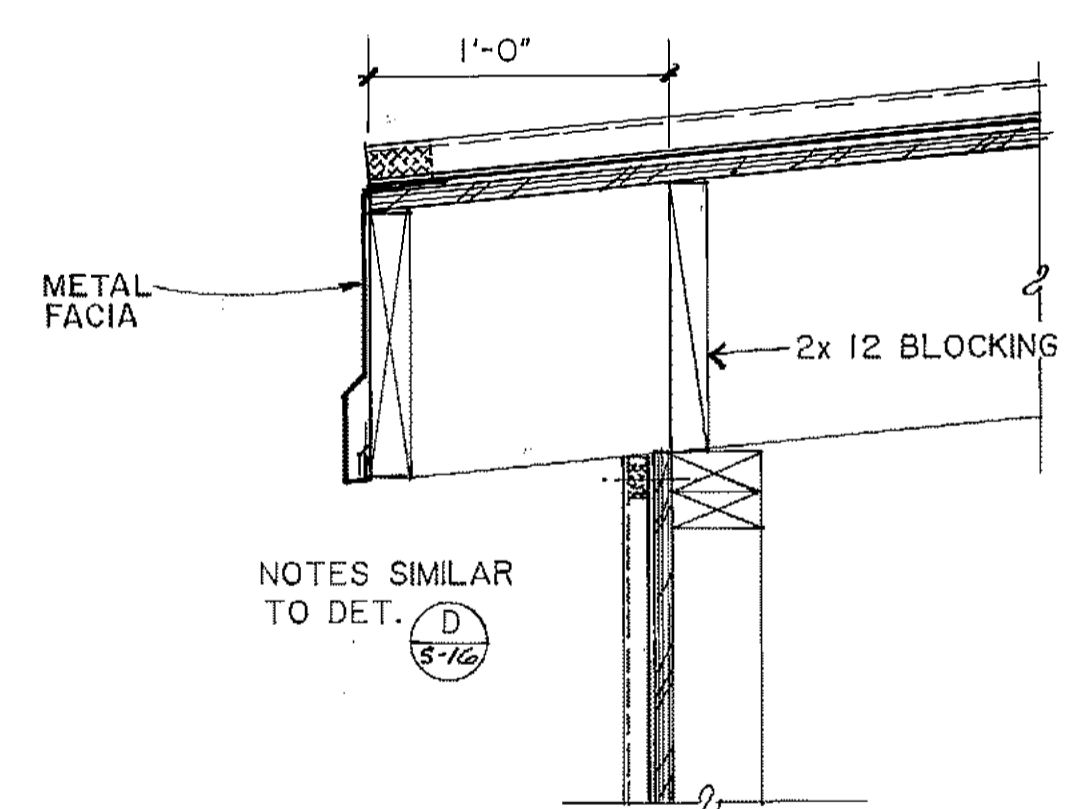
B
S-16
SECTION
SCALE: 1/2"=1'-0"



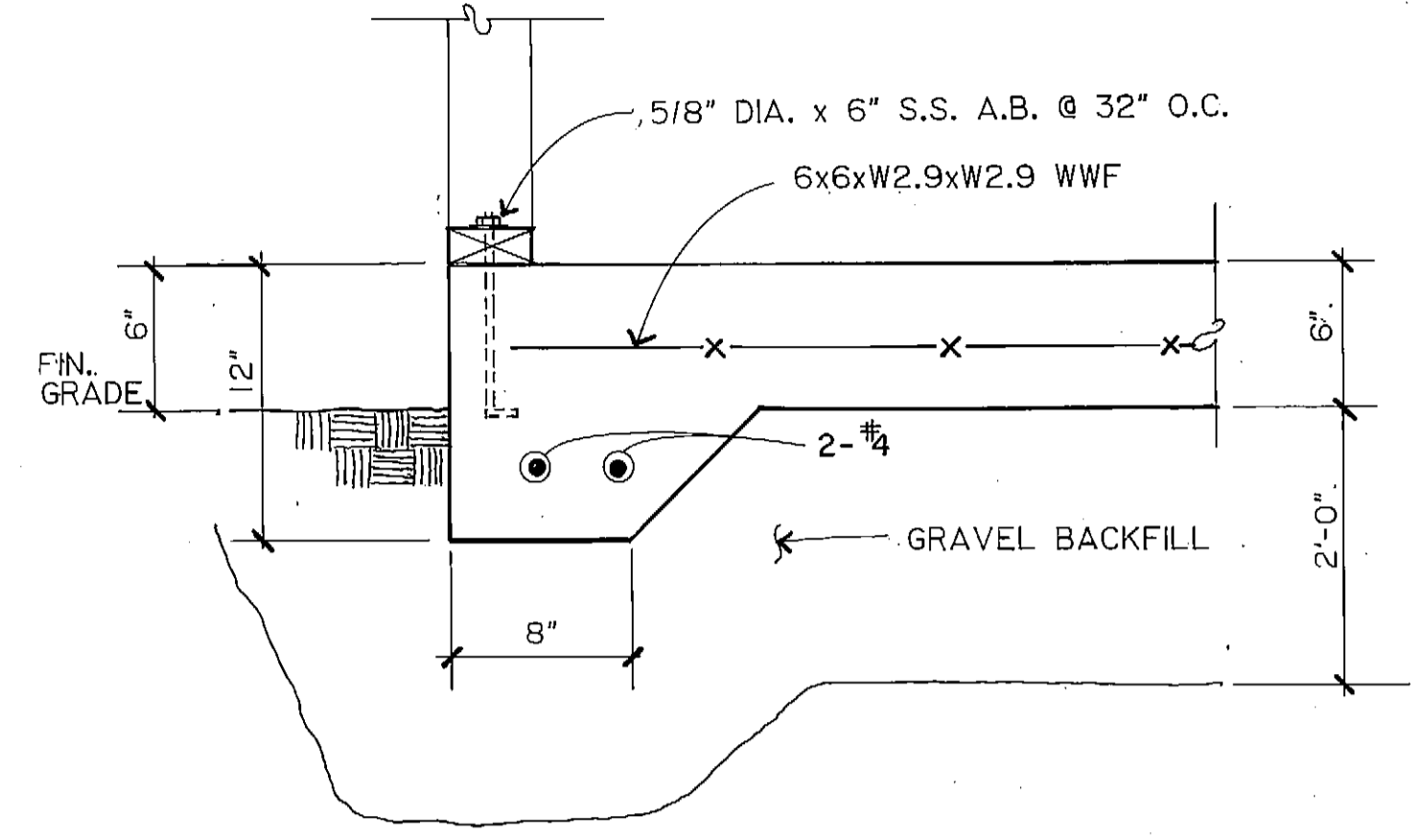
C
S-16
ROOF PLAN
SCALE: 1/4"=1'-0"



D
S-16
DETAIL
SCALE: 1/2"=1'-0"

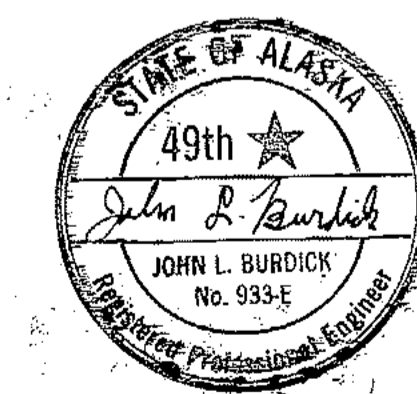


E
S-16
DETAIL
SCALE: 1/2"=1'-0"



F
S-16
DETAIL
SCALE: 1/2"=1'-0"

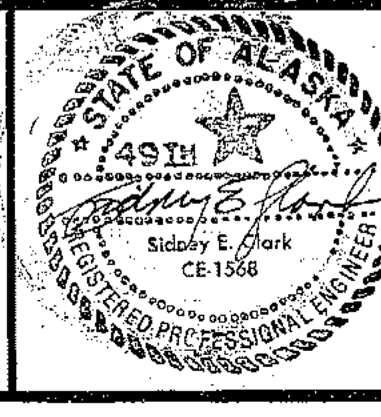
NOTE: FIRE RETARDANT TREATMENT ALL WOOD



ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
DESIGNED: RLE
DRAWN: RDL
CHECKED: WTH
DATE: FEB. 24, 1987
SCALE: AS NOTED

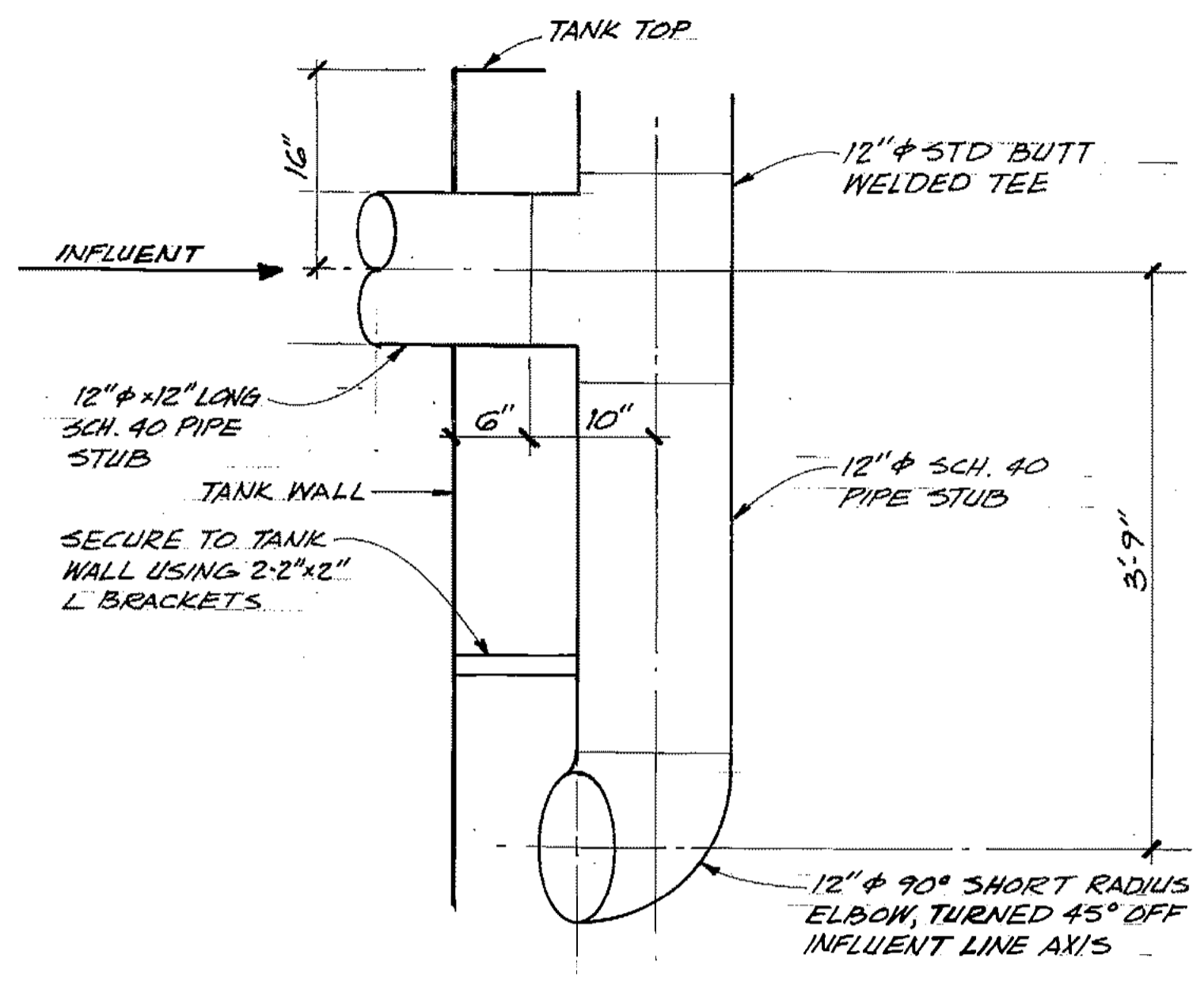
NO.	REVISION	DATE	BY



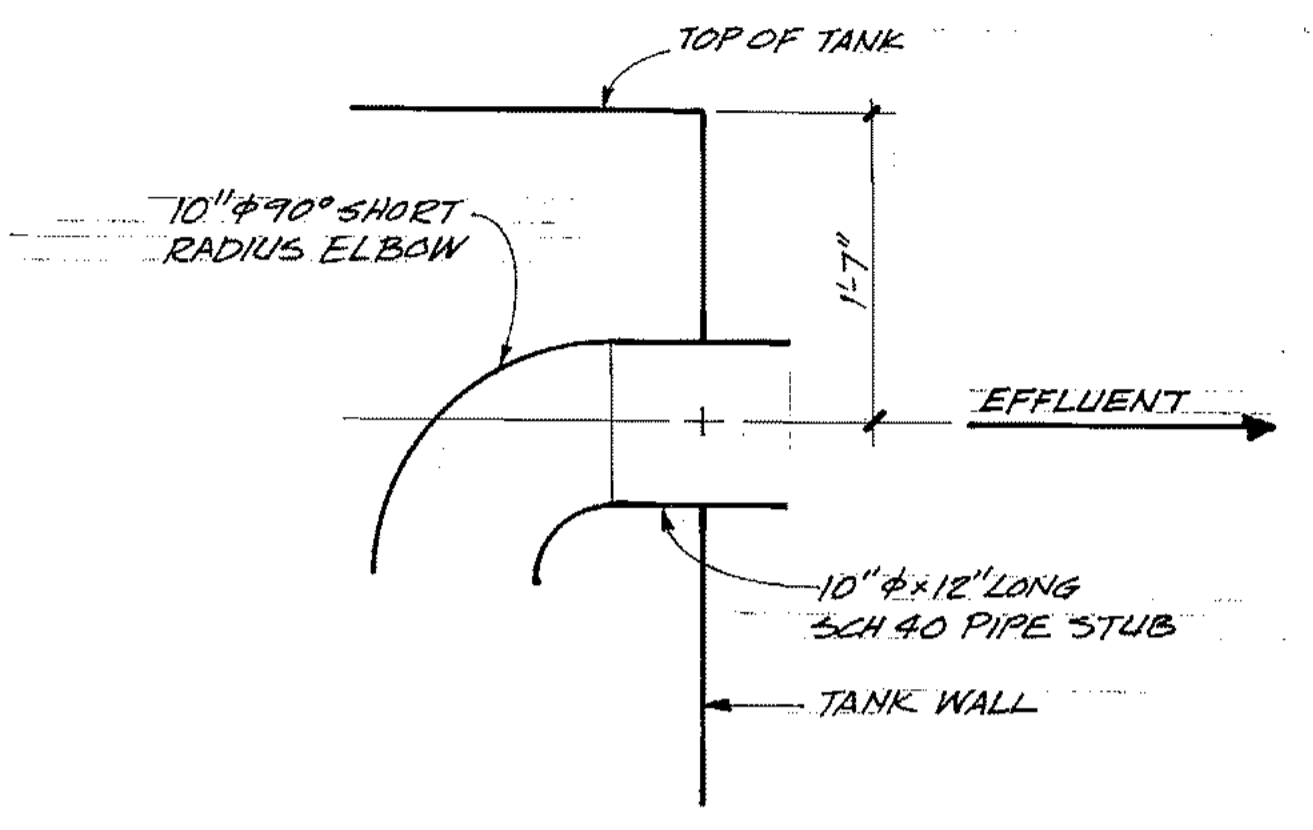
SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
FUELING STATION

S-16
SHEET 54 OF 85

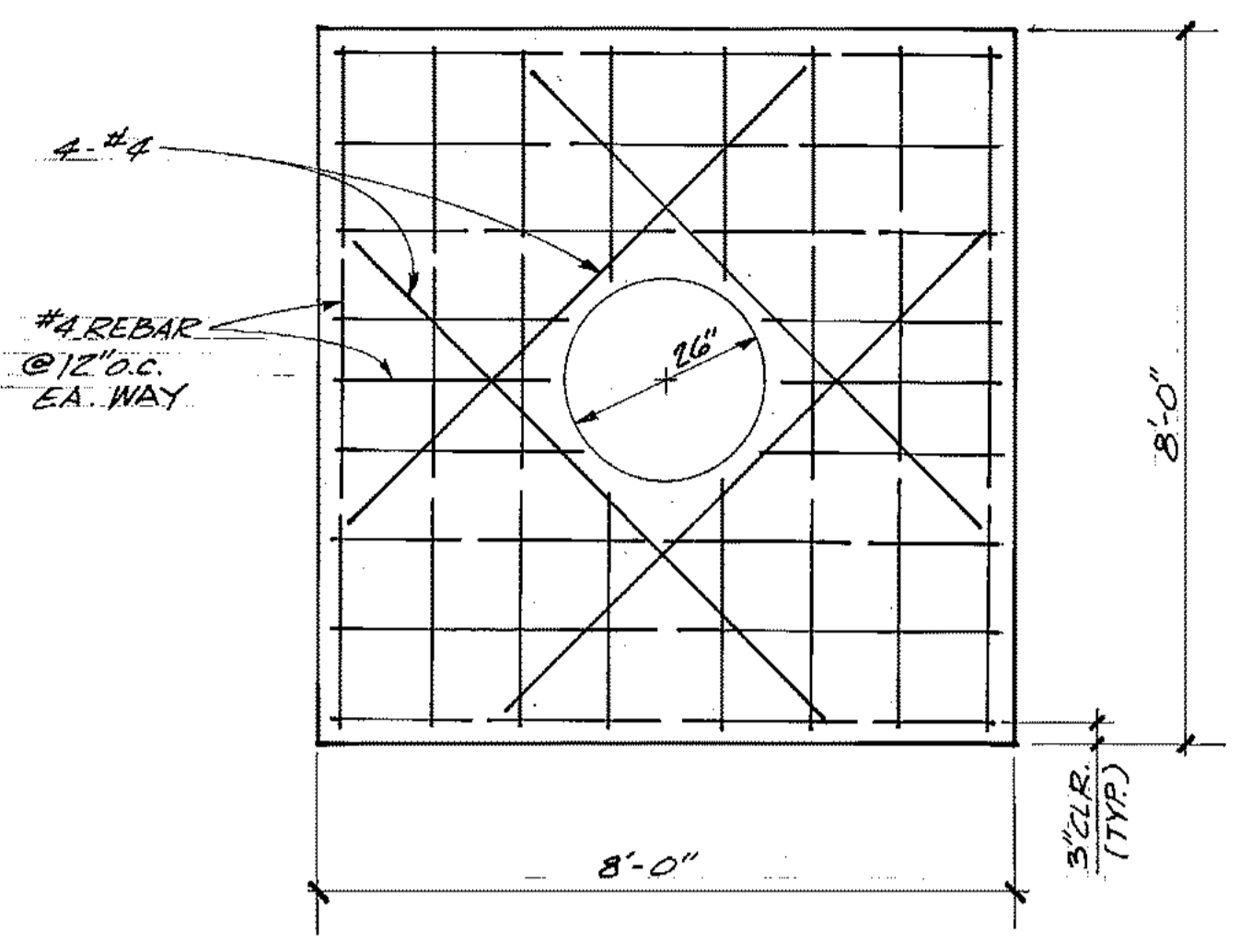
S-17



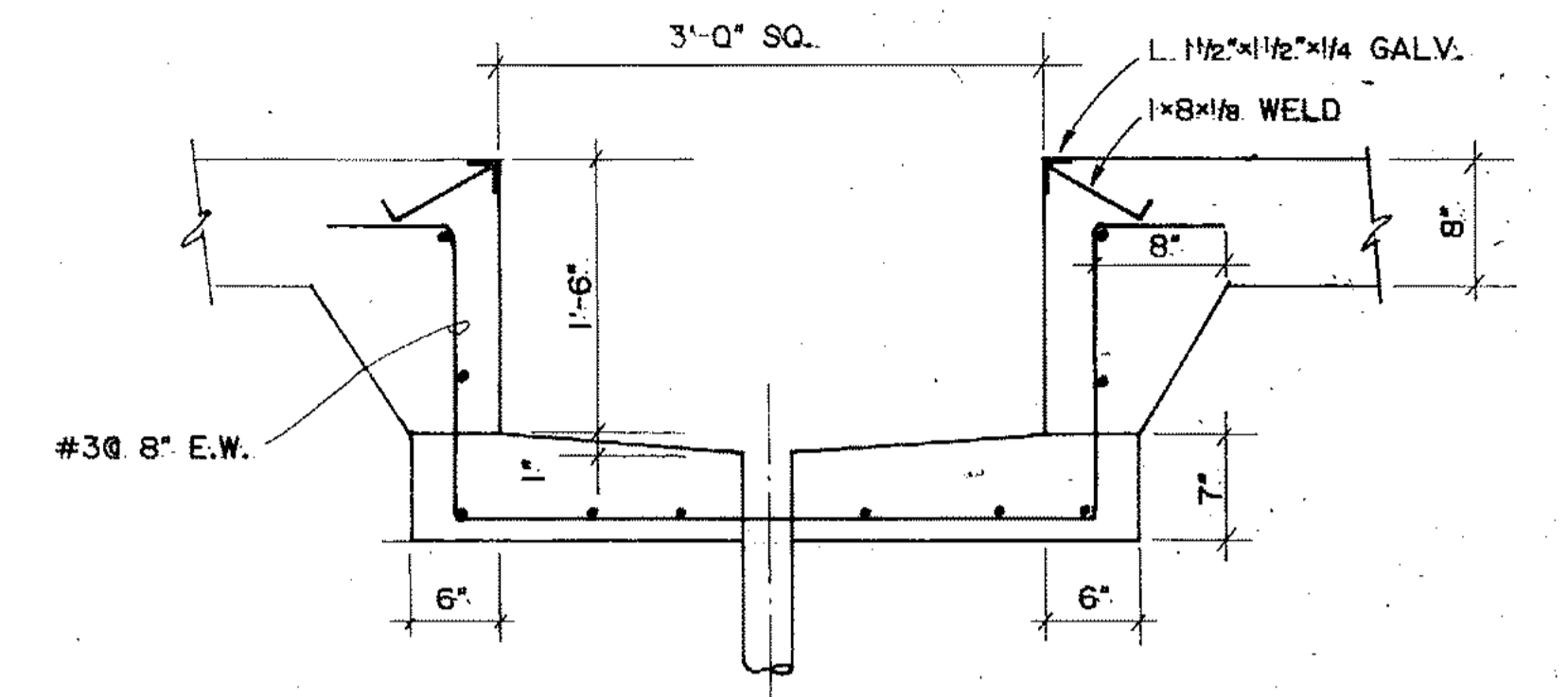
A INLET PIPE DETAIL
C-8 5-17 1" = 1'-0"



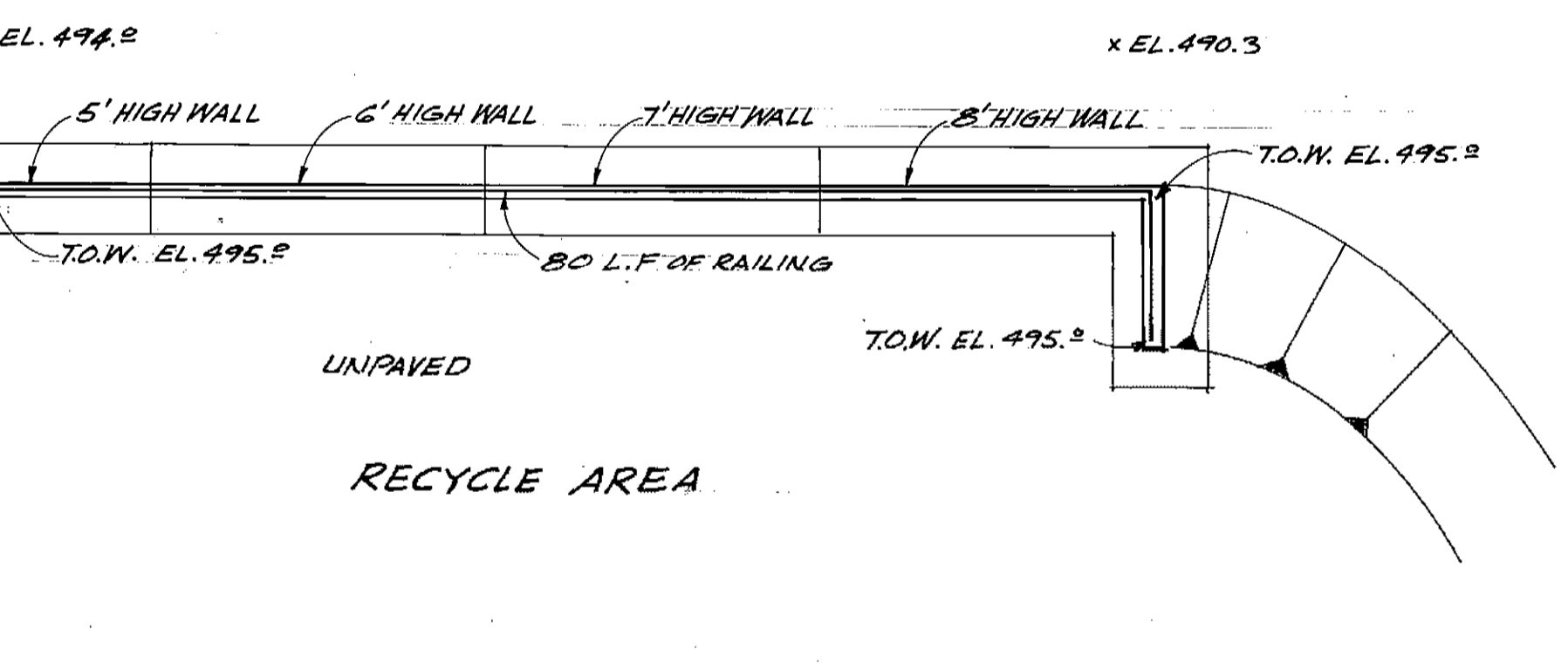
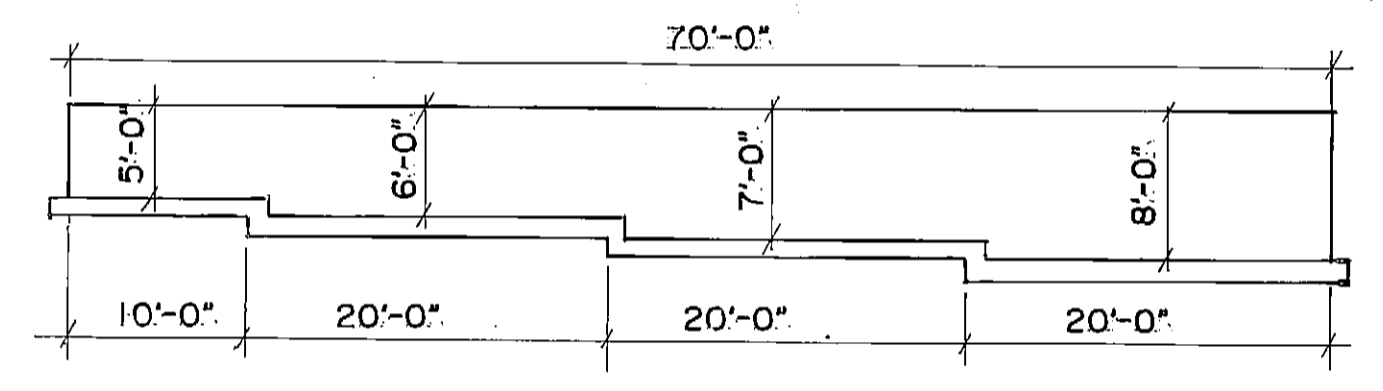
B OUTLET PIPE DETAIL
C-8 5-17 1" = 1'-0"



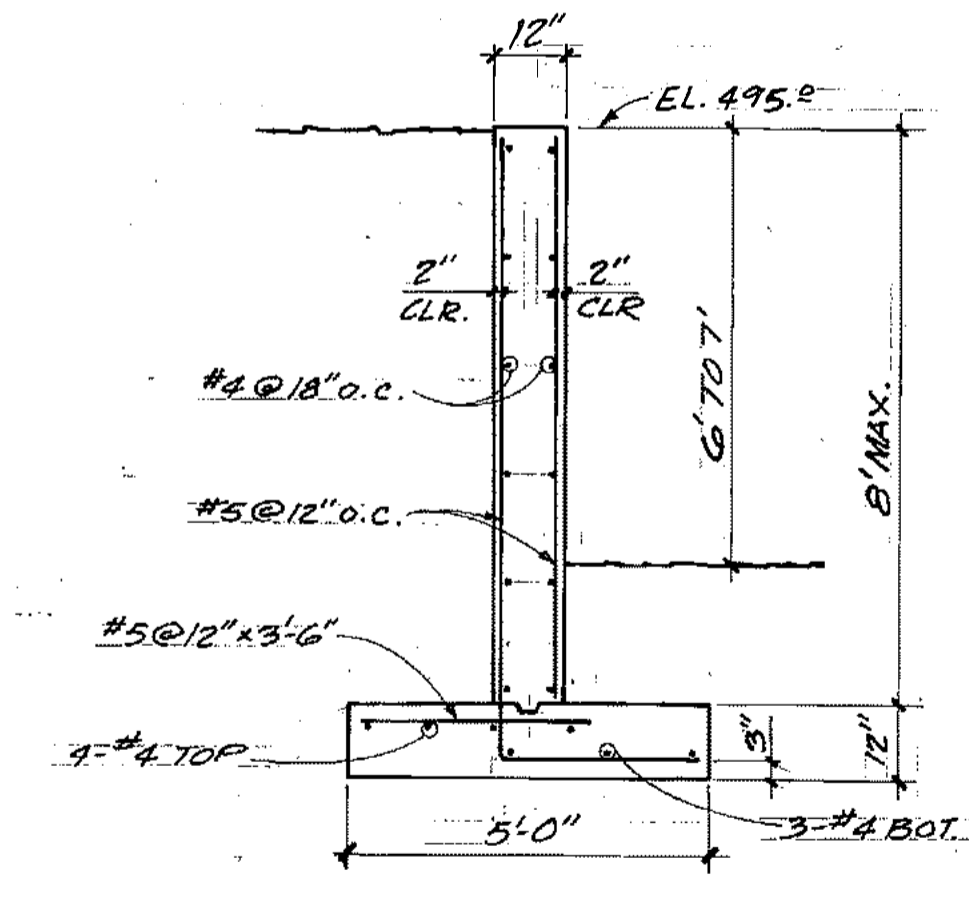
C BASE SLAB DETAIL
C-8 5-17 1/2" = 1'-0"



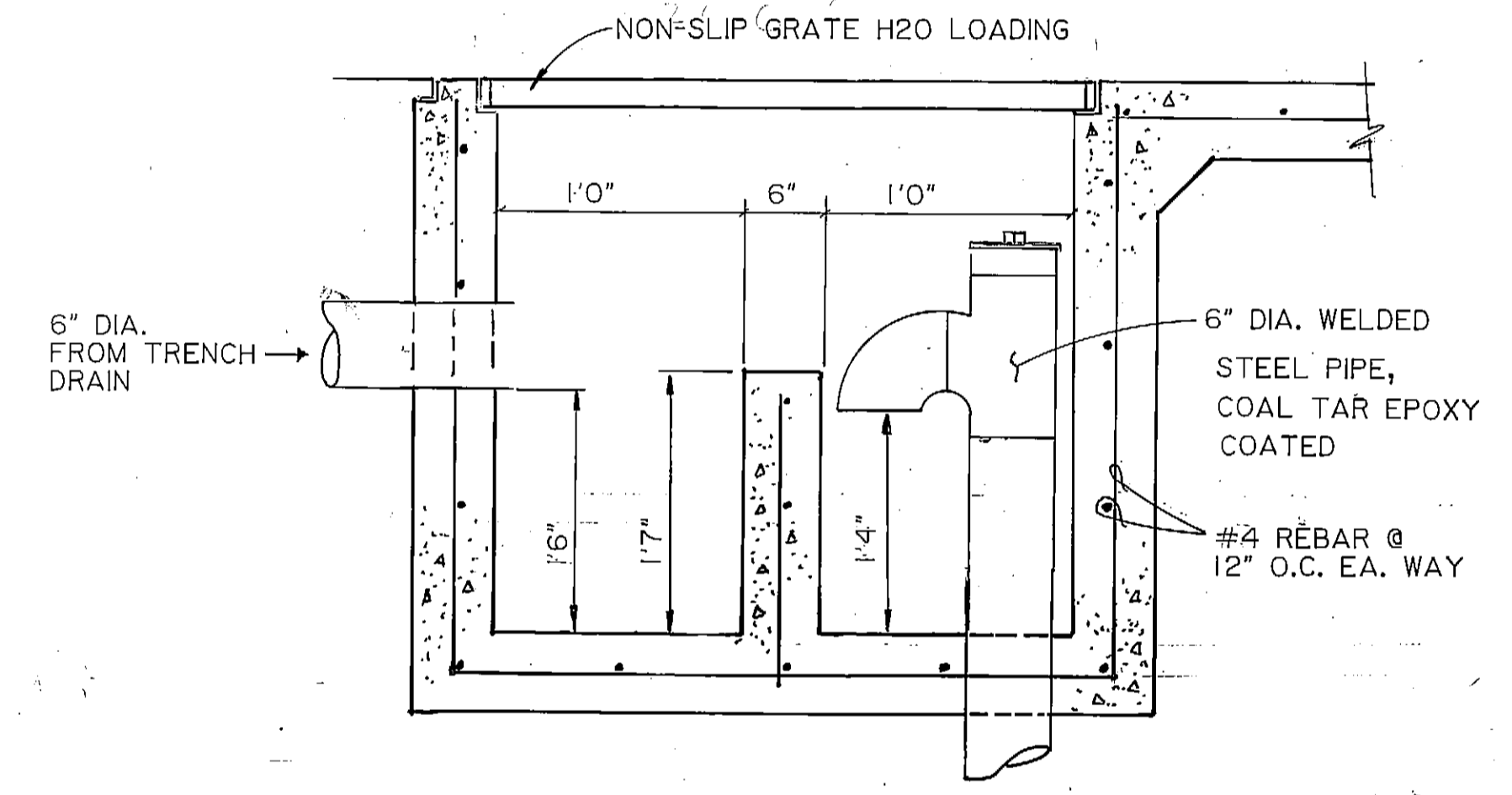
K WASTE OIL SUMP
S-1 5-18 1" = 1'-0"



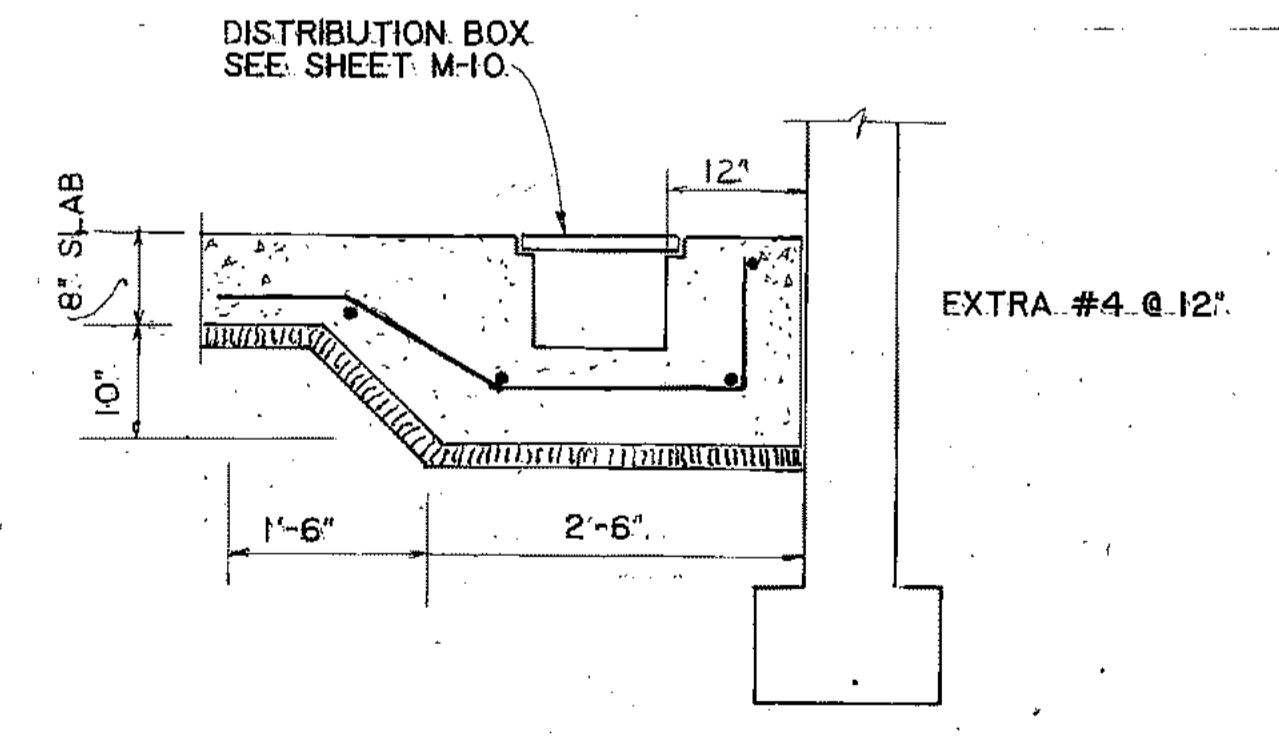
D RECYCLE AREA RETAINING WALL
C-2 5-17 1" = 10'



E RETAINING WALL ELEVATION & SECTION
C-2 5-17 3/8" = 1'-0"



S SAND TRAP DETAIL
S-1 5-19 SCALE: NTS 1/2"



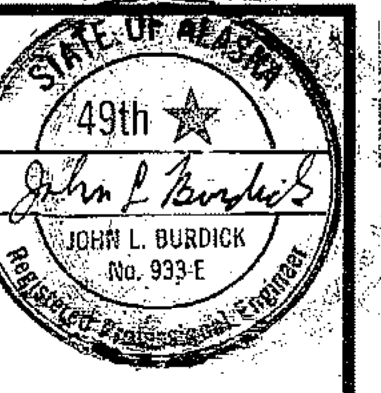
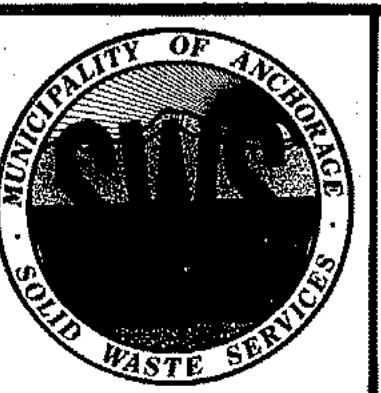
J DISTRIBUTION BOX
S-1 5-19 SCALE: 3/4"

NOTE: ALL FOOTINGS & SLABS TO BE SUPPORTED AS SHOWN IN S-6

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

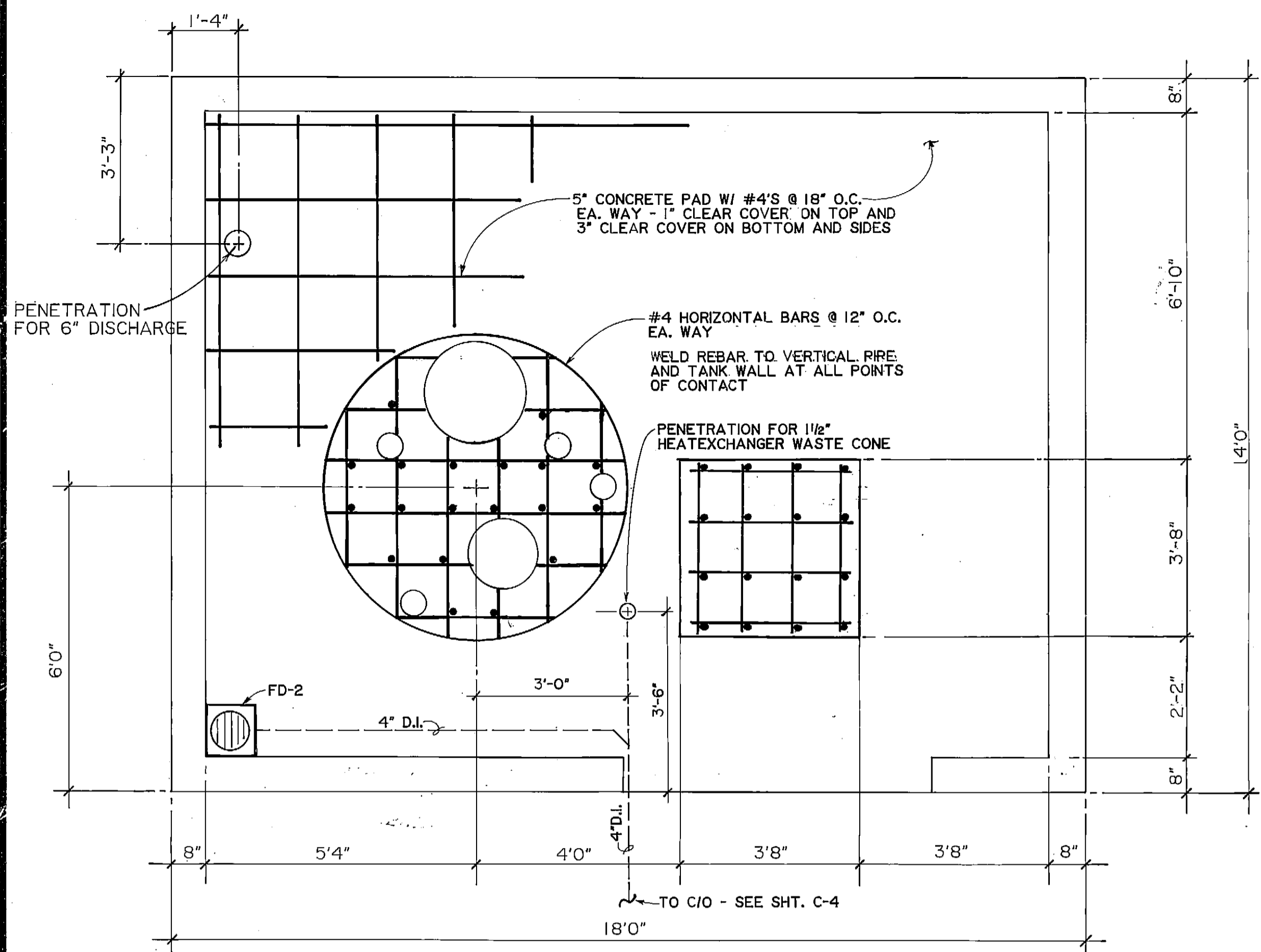
PROJECT NO. 86-010-02 MOA
DESIGNED: SEC/WTH
DRAWN: RL
CHECKED: WTH
DATE: FEB. 24, 1987
SCALE: AS NOTED

NO.	REVISION	DATE BY



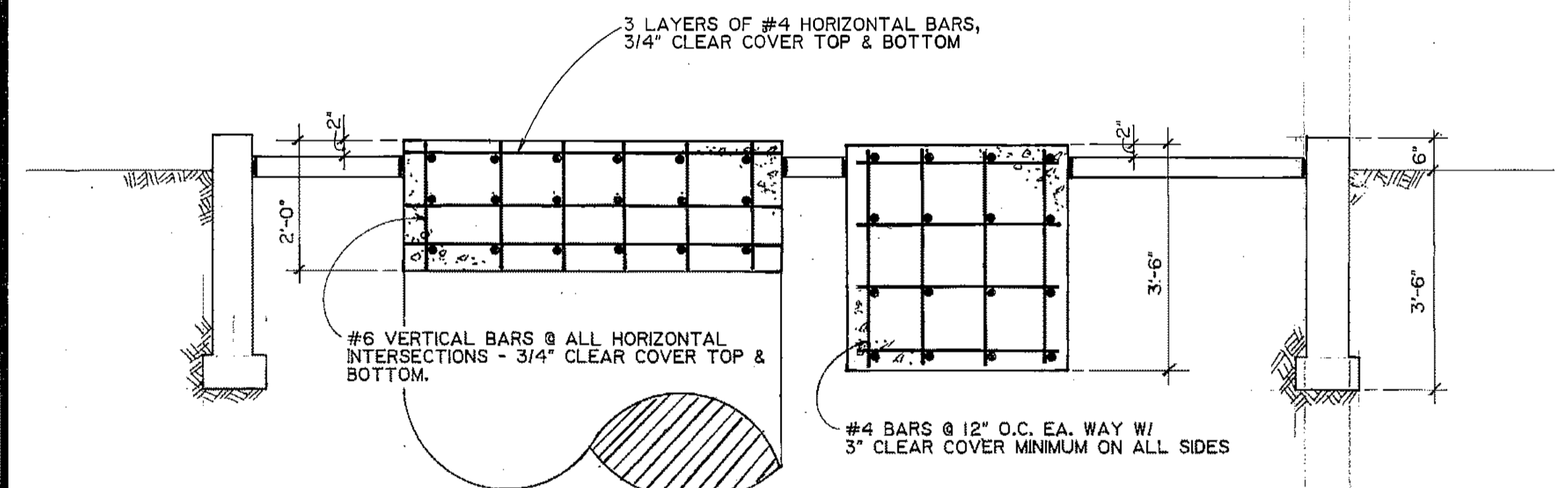
SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
MISC. DETAILS

S-17
SHEET 55 OF 85



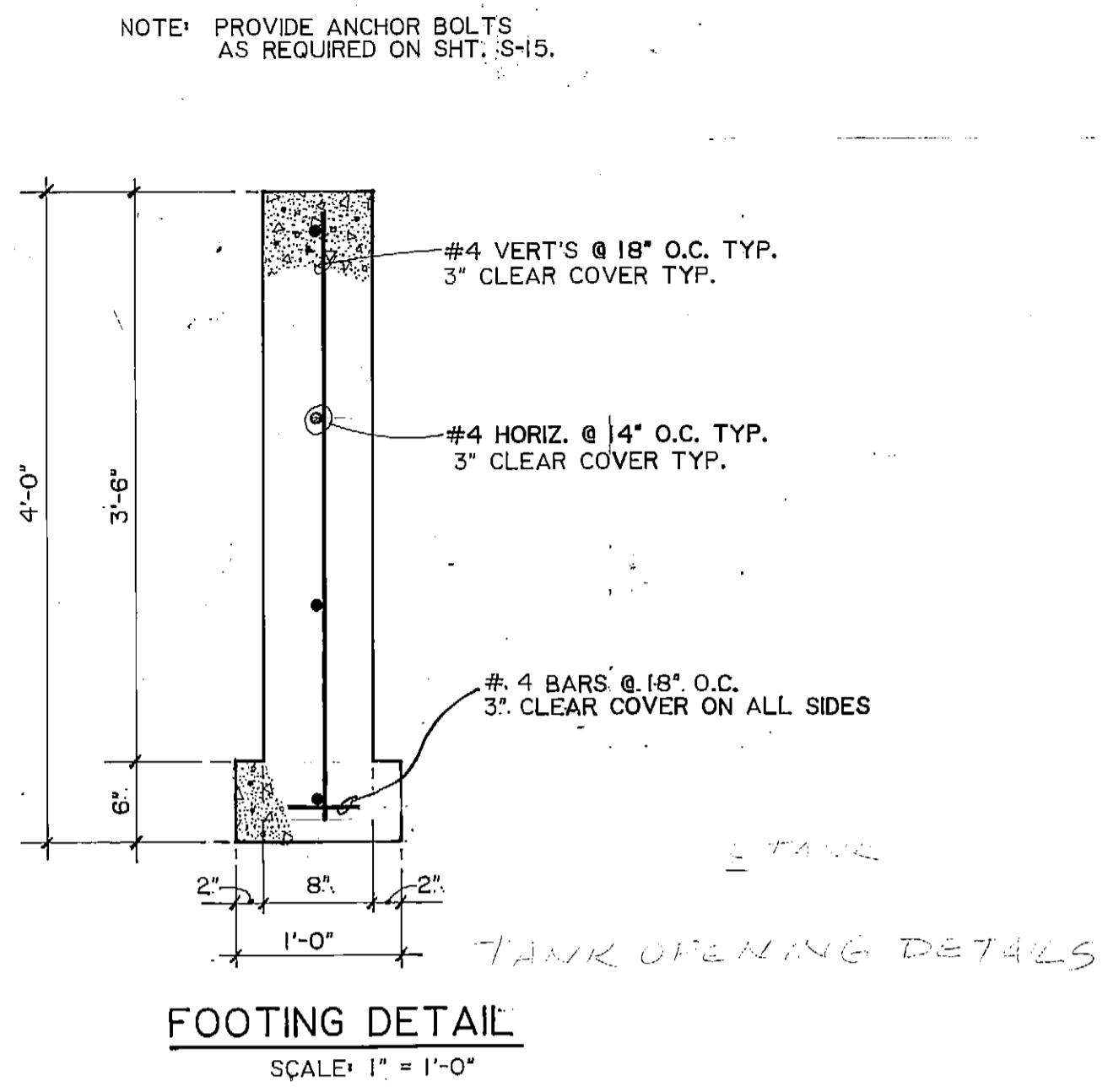
NOTE: SLOPE FLOOR A MINIMUM OF 1/8" PER FOOT TOWARDS THE FLOOR DRAIN.

FLOOR SLAB & EQUIPMENT PAD PLAN
SCALE: 1/2" = 1'-0"

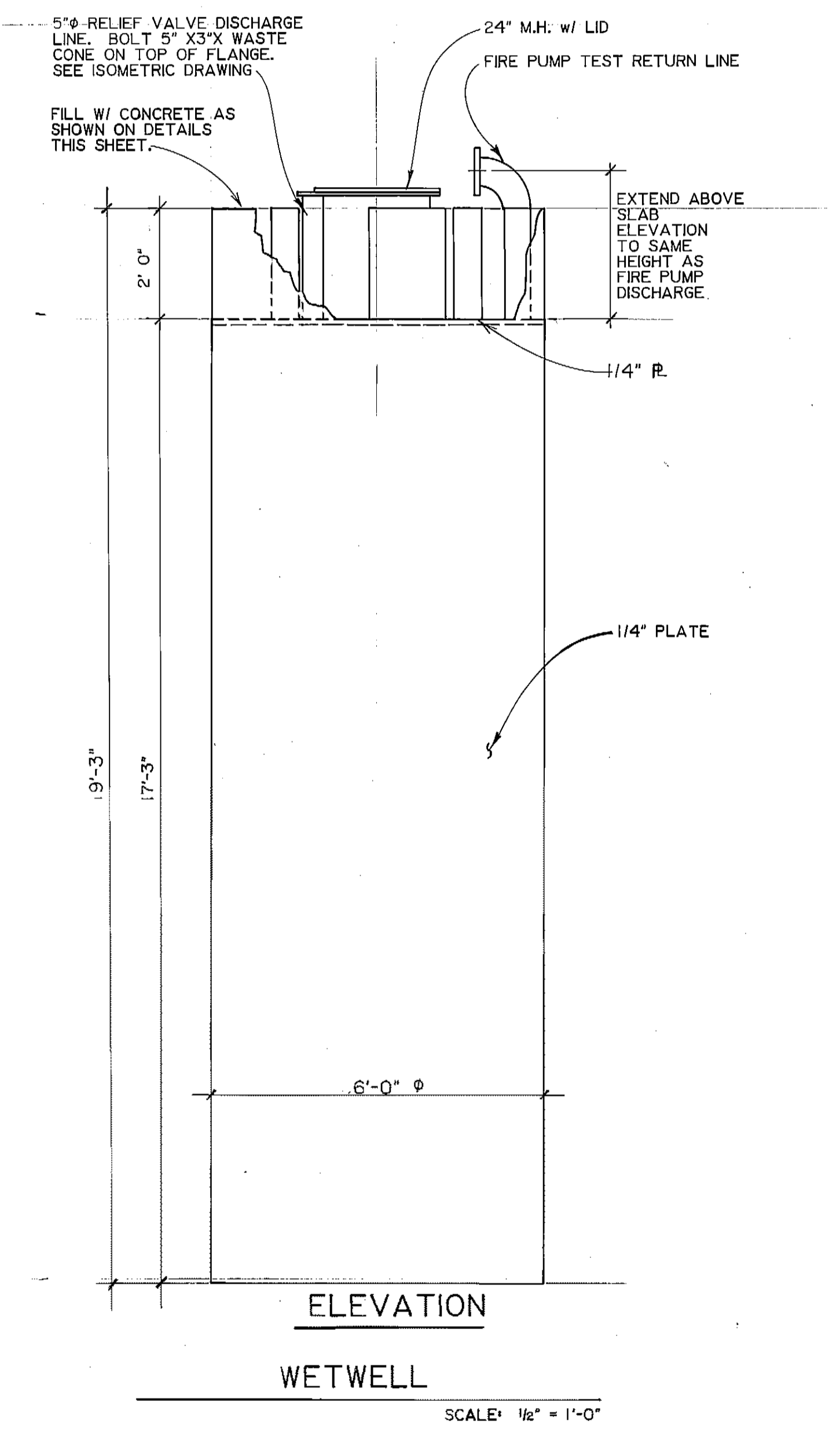
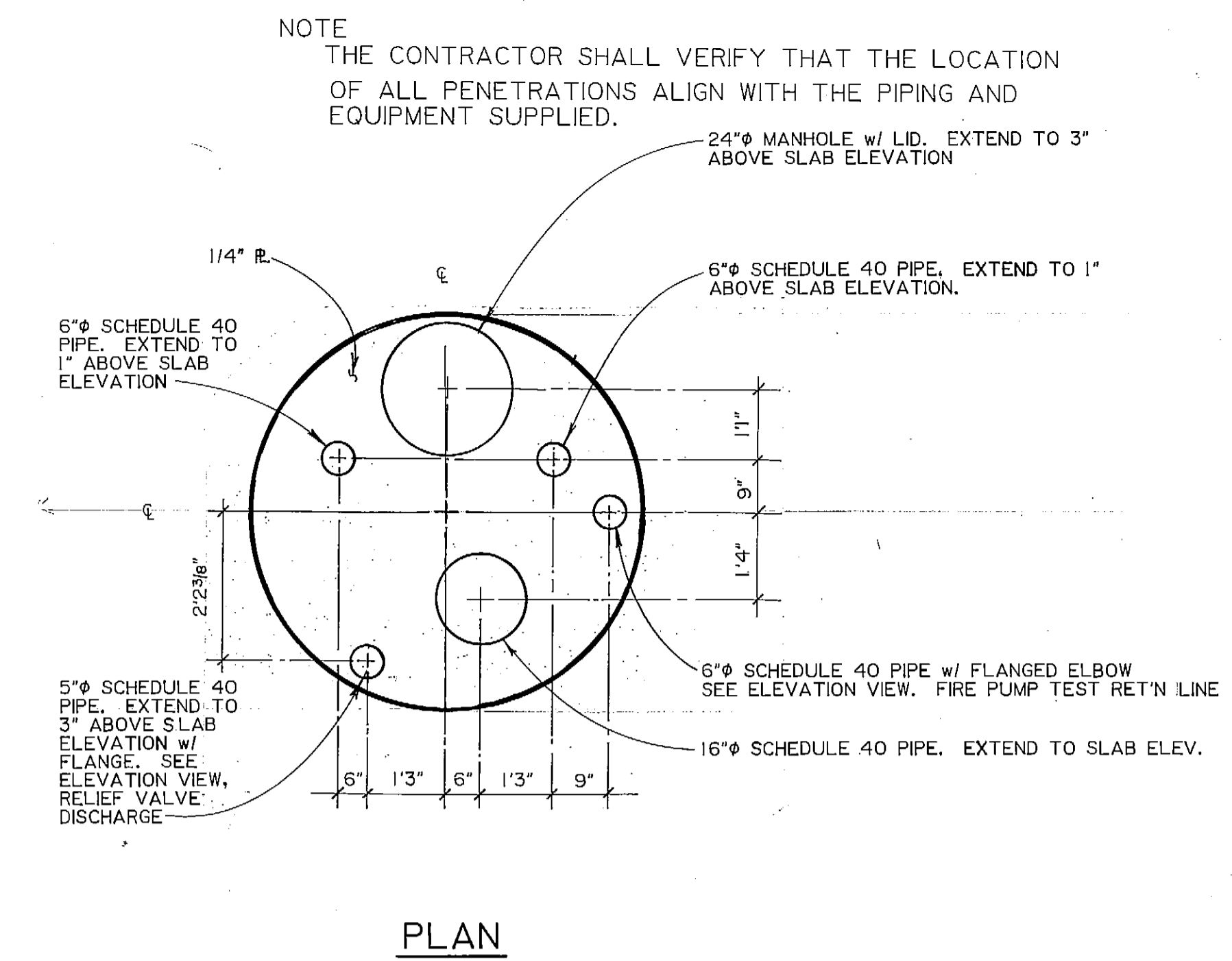


NOTE: - PROVIDE 1/2" EXPANSION JOINTS AROUND EQUIPMENT PADS & FLOOR SLAB PERIMETER.
- PROVIDE STAINLESS STEEL J-BOLTS DIESEL ENGINE AND ALL PUMPS - SIZE AND LOCATION SHALL BE IN ACCORDANCE W/ EQUIPMENT MANUFACTURERS DRAWINGS. J-BOLTS LENGTH SHALL BE IN CONFORMANCE W/ UBC TABLE 26-6.

FLOOR SLAB & EQUIPMENT PAD ELEVATION
SCALE: 1/2" = 1'-0"



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



PROJECT NO. 86-010-02 MOA

DESIGNED: JAG

DRAWN: VMS

CHECKED: WJH

DATE: FEBRUARY 24, 1987

SCALE: AS NOTED

NO.	REVISION	DATE	BY

SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility

PUMP HOUSE
MISC. DETAILS





S-18

SHEET 56 OF 85

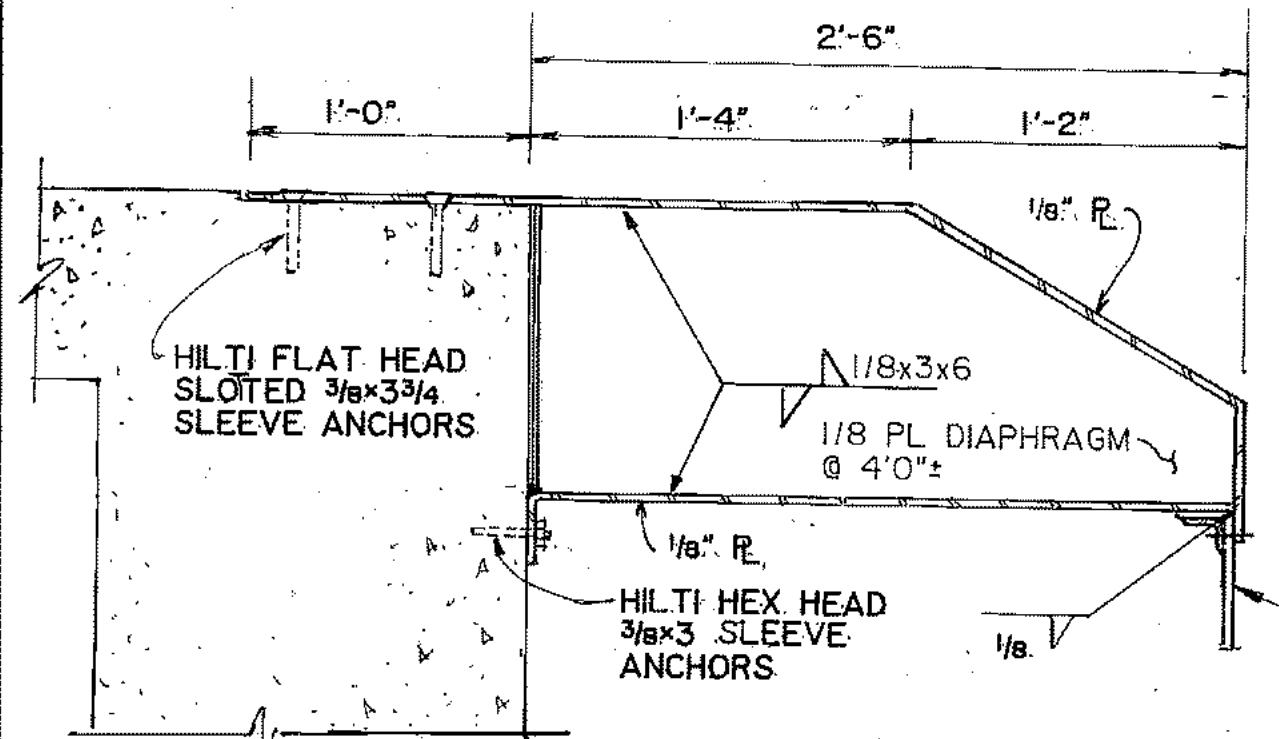
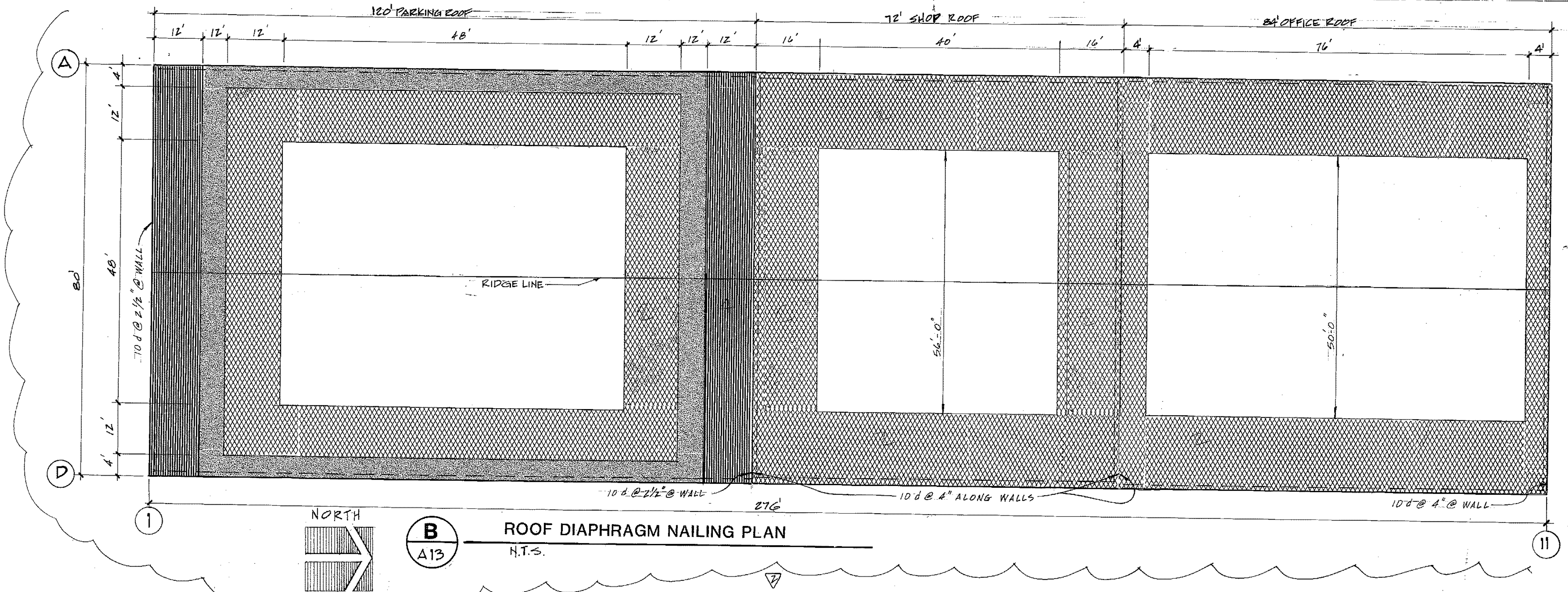
REF. ROOF DIAPHR. S-19

ROOF DIAPHRAGM NAILING SCHEDULE

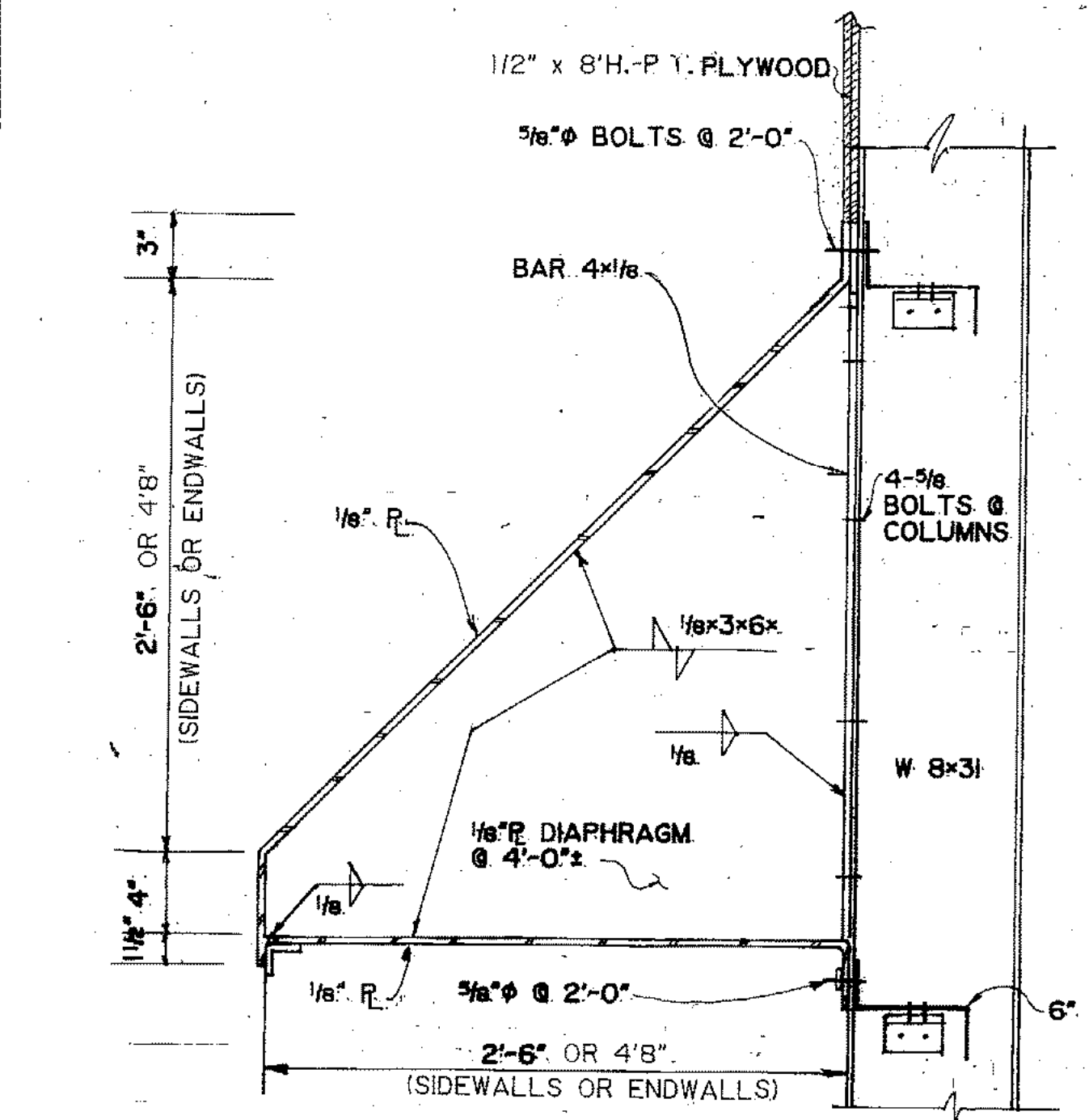
LEGEND

-  NO BLOCKING
10d @ 6" PANEL EDGES
-  EDGES BLOCKED
10d @ 6" PANEL EDGES
-  EDGES BLOCKED
10d @ 4" PANEL EDGES
-  EDGES BLOCKED
10d @ 2 1/2" PANEL

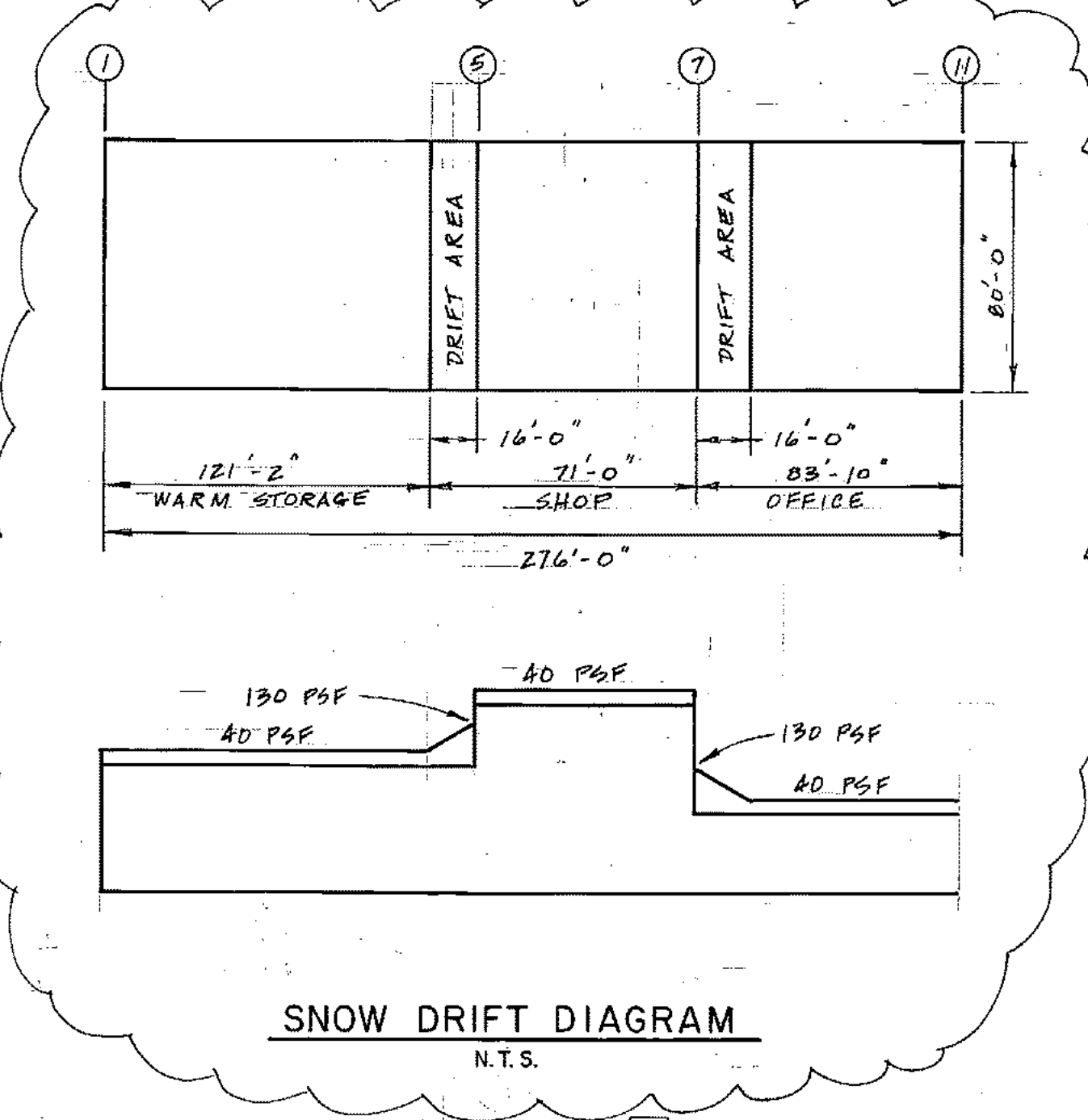
NOTE — INTERIOR NAILING 10d @ 12" MAX.



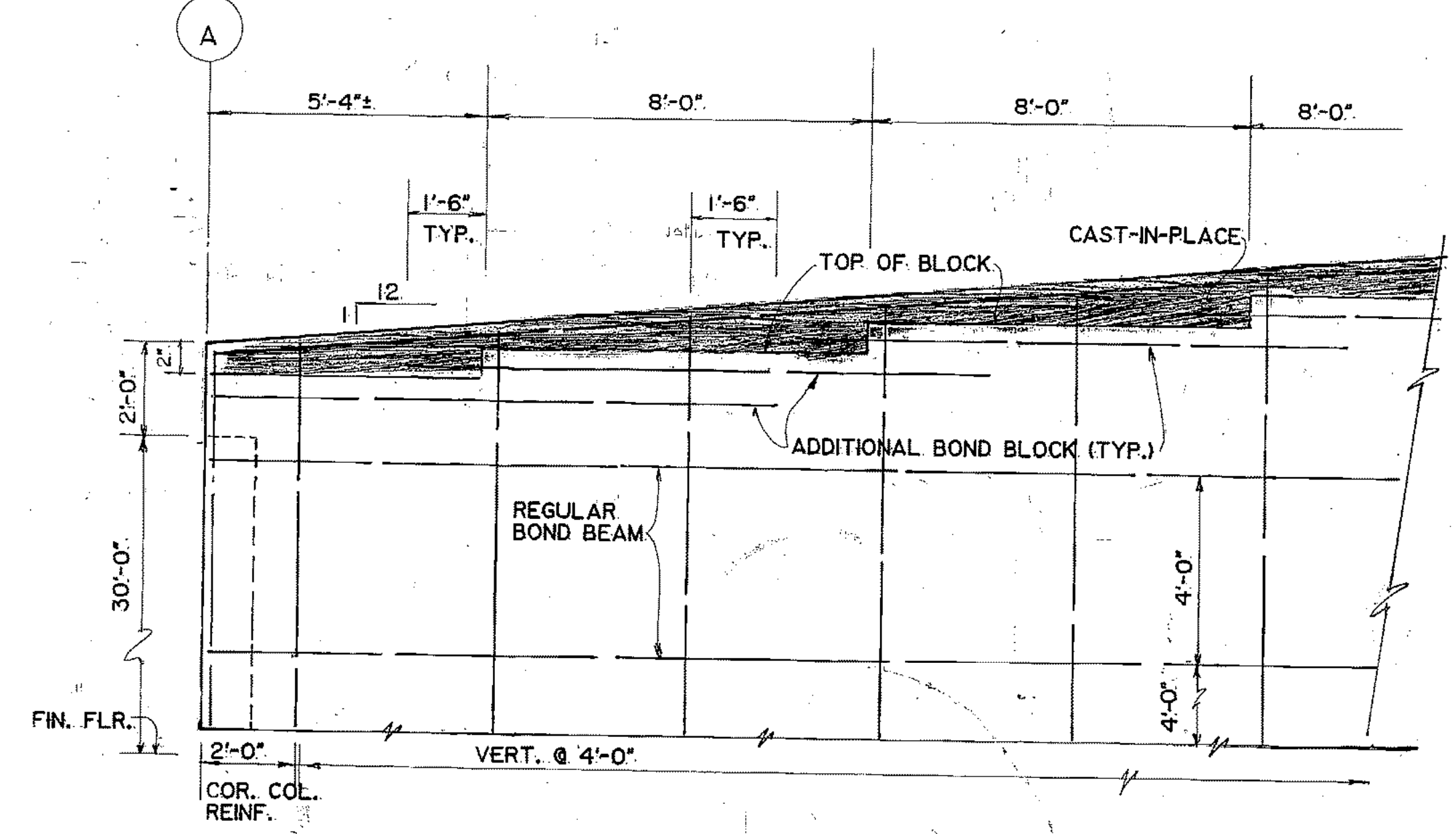
1/4" THICK x 6" WIDE x 8' LONG RUBBER FLAPS, INSTALL CONTINUOUS ALL AROUND - SECURE WITH 1 1/2" x 1 1/2" x 1/8" CONT. ANGLES W/ 3/16" BOLTS @ 8" O.C. (TYP)



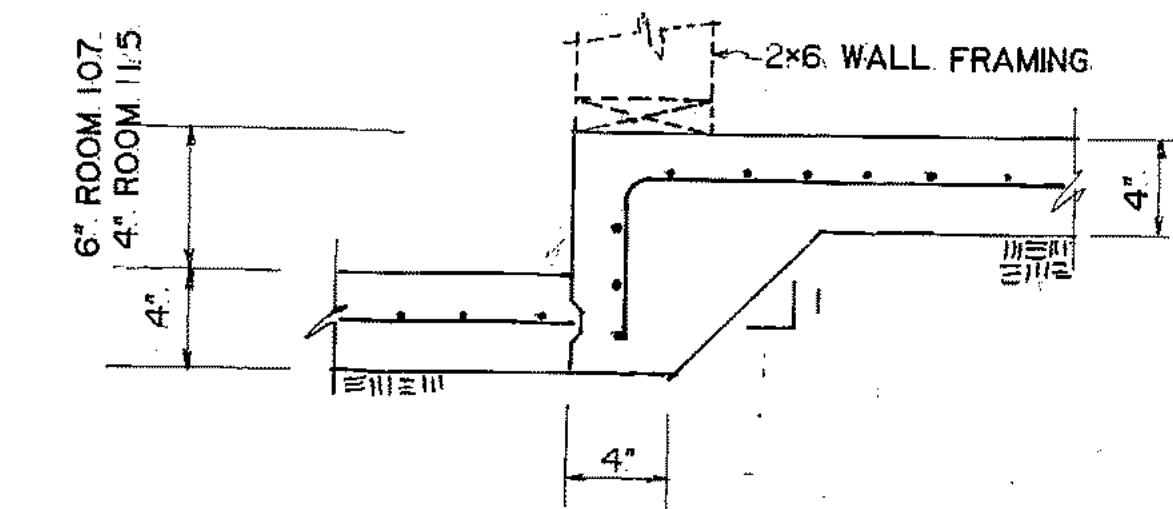
REFUSE DEFLECTION SHIELDS
SCALE: 1/8" = 1'-0"



SNOW DRIFT DIAGRAM
N.T.S.



ROOF LINE DETAIL
SCALE: 3/8" = 1'-0"



SLAB TRANSITION AT ROOMS 107 & 115
SCALE: 1" = 1'-0"

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

PROJECT NO. 86-010-02-MQA
 DESIGNED: JS & RBM
 DRAWN: WAP, AKF
 CHECKED: WTH
 DATE: FEB. 24, 1987
 SCALE: AS NOTED

NO.	REVISION	DATE	BY
1	REV. ROOF DIAPHRAGM NAILING PLAN	4-28-87	GJR
2	ADD SNOW DRIFT DIAGRAM	4-28-87	GJR

STATE OF ALASKA
 49th
 JOHN L. BURDICK
 No. 933-E
 Registered Professional Engineer

SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
ROOF DIAPHRAGM NAILING SCHEDULE & MISCELLANEOUS DETAILS

S-19
 SHEET 57 OF 85

LEGEND

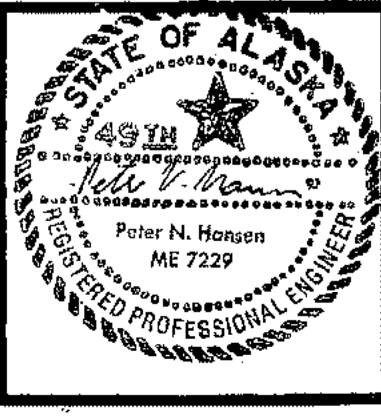
ABBRV.	EXPLANATION	SYMBOL	ABBRV.	EXPLANATION	SYMBOL	ABBRV.	EXPLANATION	SYMBOL	ABBRV.	EXPLANATION	SYMBOL	ABBRV.	EXPLANATION	SYMBOL
	Y, LATERAL			FLOW MEASURING DEVICE			DUCT		GV	GATE VALVE			HEAT DETECTOR	
	Y, THROUGH, DOUBLE			STRAINER			DUCT, DIRECTION OF FLOW IN		CV	GATE VALVE ANGLE			STATIC PRESSURE SENSOR	
	T-Y, THROUGH, DOUBLE			P TRAP			DUCT IDENTIFICATION DESIGNATION			SLIDE GATE VALVE		T'STAT	THERMOSTAT, WALL MOUNTED	
	CROSS		CW	COLD WATER			DUCT WITH SOUND LINING		GOV	GLOBE VALVE		T'STAT C	THERMOSTAT, CEILING MOUNTED	
	CAP		HW	HOT WATER			DUCT WITH INSULATION		BV	BALL VALVE			THERMOSTAT, SELF-CONTAINED	
	PLUG		HWR	HOT WATER RETURN			FLEXIBLE DUCT		BUV	BUTTERFLY VALVE			PUMP	
	BLANK FLANGE		HWC	HOT WATER CIRCULATION		S/A	SUPPLY AIR		PR	PRESSURE RELIEF/SAFETY VALVE			SCREWED ENDS	
	FLANGE BULKHEAD		T	TEMPERED WATER		R/A	RETURN AIR		PRV	PRESSURE REDUCING VALVE			FLANGED ENDS	
	SPECTACLE FLANGED		S	SANITARY SOIL/WASTE		E/A	EXHAUST AIR		CV	CHECK VALVE			SOLDERED ENDS	
	REDUCING FLANGE		PS	PUMPED SANITARY SOIL/WASTE		O/A	OUTSIDE AIR			FOOT CHECK			WELDED AND BRAZED ENDS	
	BUSHING		SD	STORM DRAIN			SUPPLY AIR, OUTSIDE AIR			BALANCING VALVE			BELL AND SPIGOT ENDS	
	REDUCER		RL	RAIN LEADER		R/A	RETURN AIR		MOV	2 WAY CONTROL VALVE			UNION	
	ECCENTRIC REDUCER		ORL	OVERFLOW RAIN LEADER		E/A	EXHAUST AIR		MOV	3 WAY CONTROL VALVE			UNION, DIELECTRIC	
	COUPLING		SP	SPRINKLER		T/A	T/A		MV	MIXING VALVE			UNION, SCREWED	
	EXPANSION JOINT		F	FIRE LINE			FLEX CONNECTION			FUSIBLE LINK VALVE			UNION, FLANGED	
	EXPANSION JOINT, BELLAWS		HWS	HEATING WATER SUPPLY		HC	HEATING COIL			DRAIN VALVE WITH HOSE ADAPTOR			TEE, SIDE	
	RETURN BEND		HWR	HEATING WATER RETURN		CC	COOLING COIL		HB	HOSE BIB			TEE, OUTLET DOWN	
	ANGLE BEND, SPECIFY IF OTHER THAN 90 OR 45 DEGREES		GS	GLYCOL SUPPLY			AIR MONITOR STATION			BACK PRESSURE VALVE			TEE, OUTLET UP	
	DOUBLE BRANCH, PLAIN OR DBL T-Y		GHS	GLYCOL HOT WATER SUPPLY		VD	MANUAL VOLUME DAMPER			FLOAT OPERATED VALVE			TEE, SIDE, OUTLET DOWN	
	CONNECTOR HOSE		GR	GLYCOL RETURN		MOD	MOTOR OPERATED DAMPER			MOTOR OPERATED VALVE			TEE, SIDE, OUTLET UP	
VTR	VENT THROUGH ROOF		GHR	GLYCOL HOT WATER RETURN		FD	FIRE DAMPER			AIR OPERATED VALVE			TEE, UNION	
AAV	AUTOMATIC AIR VENT		SS	STEAM SUPPLY		BD	BAROMETRIC DAMPER			PRESSURE GAGE			TEE, DOUBLE SWEEP	
CO	CLEANOUT		CR	CONDENSATE RETURN			AIR EXTRACTOR			THERMOMETER			TEE, SINGLE SWEEP, PLAIN T-Y	
WCO	WALL CLEANOUT		CWS	CHILLED WATER SUPPLY			AIR FOIL TURNING			FILTER			ELBOW, 90 DEGREES	
FCO	FLOOR CLEANOUT		CWR	CHILLED WATER RETURN			MANUAL SPLITTER			SLEEVE			ELBOW, 45 DEGREES	
YCO	YARD CLEANOUT		G	FUEL, GAS			STANDARD BRANCH			PIPE GUIDE			ELBOW, SIDE OUTLET, DOWN	
	DRAIN		FOS	FUEL OIL SUPPLY			SLOT DIFFUSER WITH FLEX CONNECTOR			PIPE ANCHOR, INTERMEDIATE			ELBOW, SIDE OUTLET UP	
RD	ROOF DRAIN		FOR	FUEL OIL RETURN			HEATER UNIT, PROPELLER TYPE			PIPE ANCHOR, MAIN			ELBOW, UP	
FD	FLOOR DRAIN		FOV	FUEL OIL TANK VENT			FAN, CENTRIFUGAL, PLAN			FLEXIBLE PIPE CONNECTOR			ELBOW, DOWN	
WM	WATER METER		CA	COMPRESSED AIR			FAN, CENTRIFUGAL, ELEV.		WH	WALL HYDRANT			ELBOW, UNION	
GM	GAS METER		V	VENT			FAN, AXIAL W/PREHEATER FREE INLET, END			COMPRESSED AIR OUTLET			ELBOW, REDUCING UNION	
			SS	STORM SEWER			FAN, AXIAL W/PREHEATER FREE INLET, SIDE		SD	SMOKE DETECTOR			Y, TRUE	
			FP	FLOOR PENETRATION			VENTILATOR, STANDARD, ROOF, PLAN			PRESSURE SWITCH				
			RP	ROOF PENETRATION			VENTILATOR, STANDARD, ROOF, ELEV.			VENTED BACKFLOW VALVE				
			WP	WALL PENETRATION		CTR	CHIMNEY, GAS OR AIR VTR			AIR PRESSURE REGULATOR W/PSI GAGE				

ARCTIC ENGINEERS INC.

ANCHORAGE, ALASKA

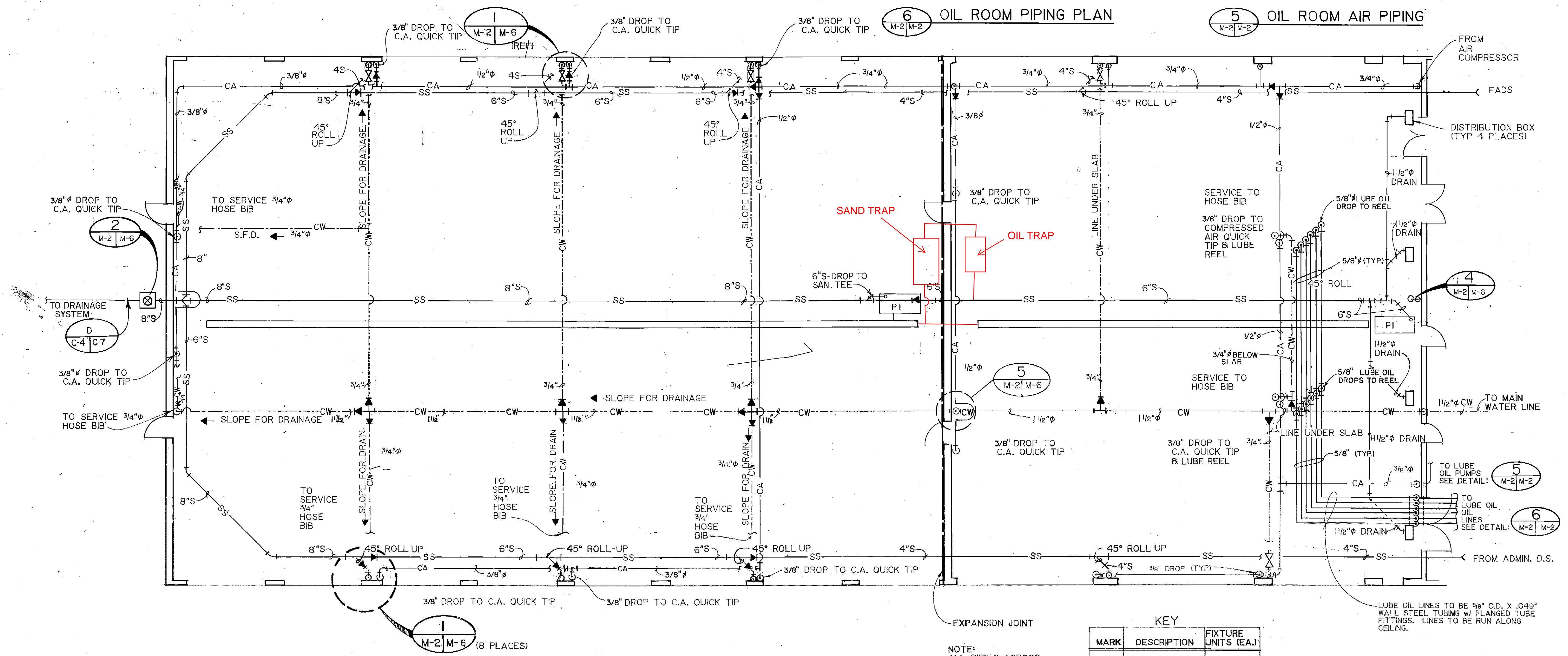
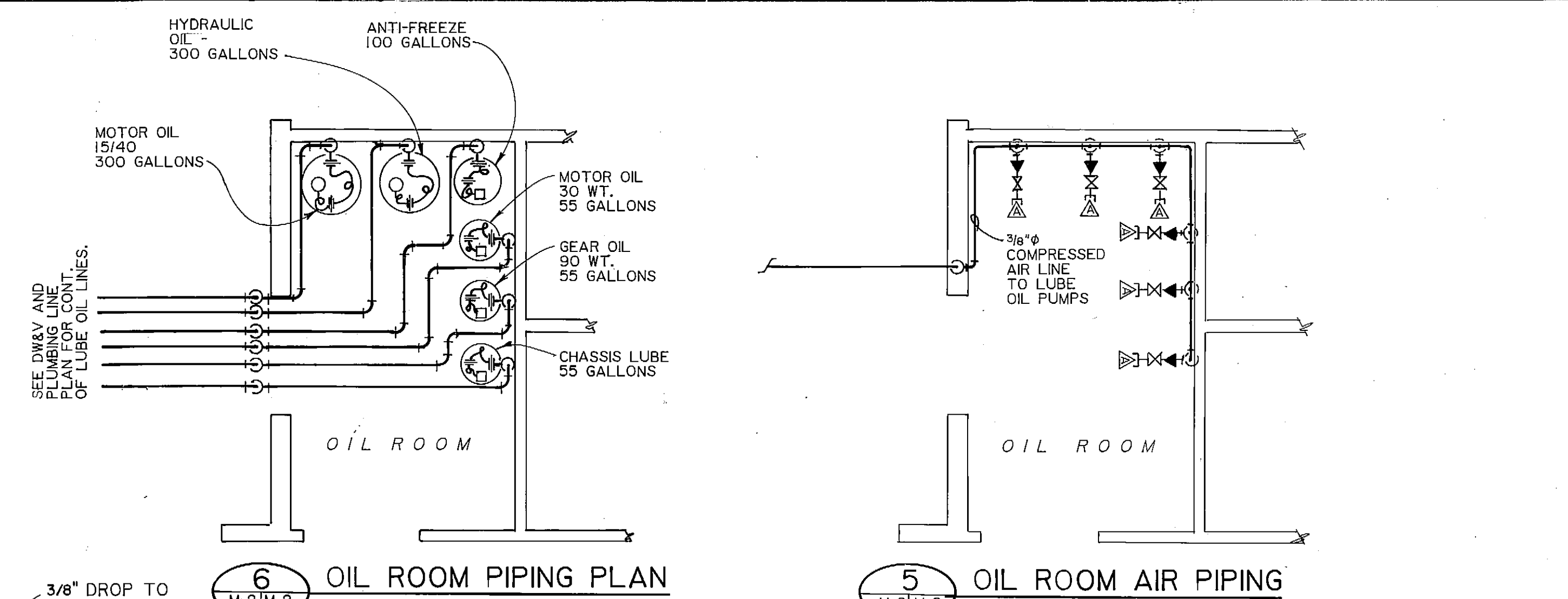
PROJECT NO. 86-010-02
 DESIGNED : RJH
 DRAWN : bh
 CHECKED : PH
 DATE : FEB 24, 1987
 SCALE : AS NOTED

NO.	REVISION	DATE	BY



SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
 MECHANICAL PLUMBING LEGEND

DW & V PLUMBING LINE PLANS & DETAILS M-2



KEY

MARK	DESCRIPTION	FIXTURE UNITS (EAU)
PI	SAND-TRAP DRN	2

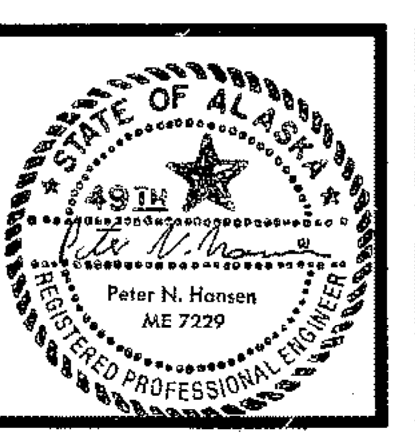
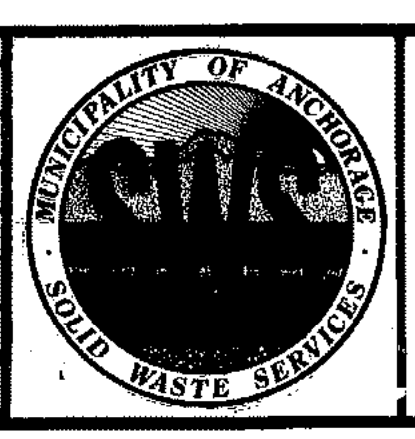
NOTE:
 ALL PIPING ACROSS
 EXPANSION JOINTS
 TO BE EQUIPPED W/
 FLEXIBLE CONNECTIONS.

LUBE OIL LINES TO BE 5/8" O.D. X .049" WALL STEEL TUBING w/ FLANGED TUBE FITTINGS. LINES TO BE RUN ALONG CEILING.

DW & V AND PLUMBING LINE PLAN

PROJECT NO. 86-010-02
 DESIGNED: R.J.H.
 DRAWN: A.K.F., bh
 CHECKED: PH
 DATE: FEB 24, 1987
 SCALE: 1/8" = 1'-0"

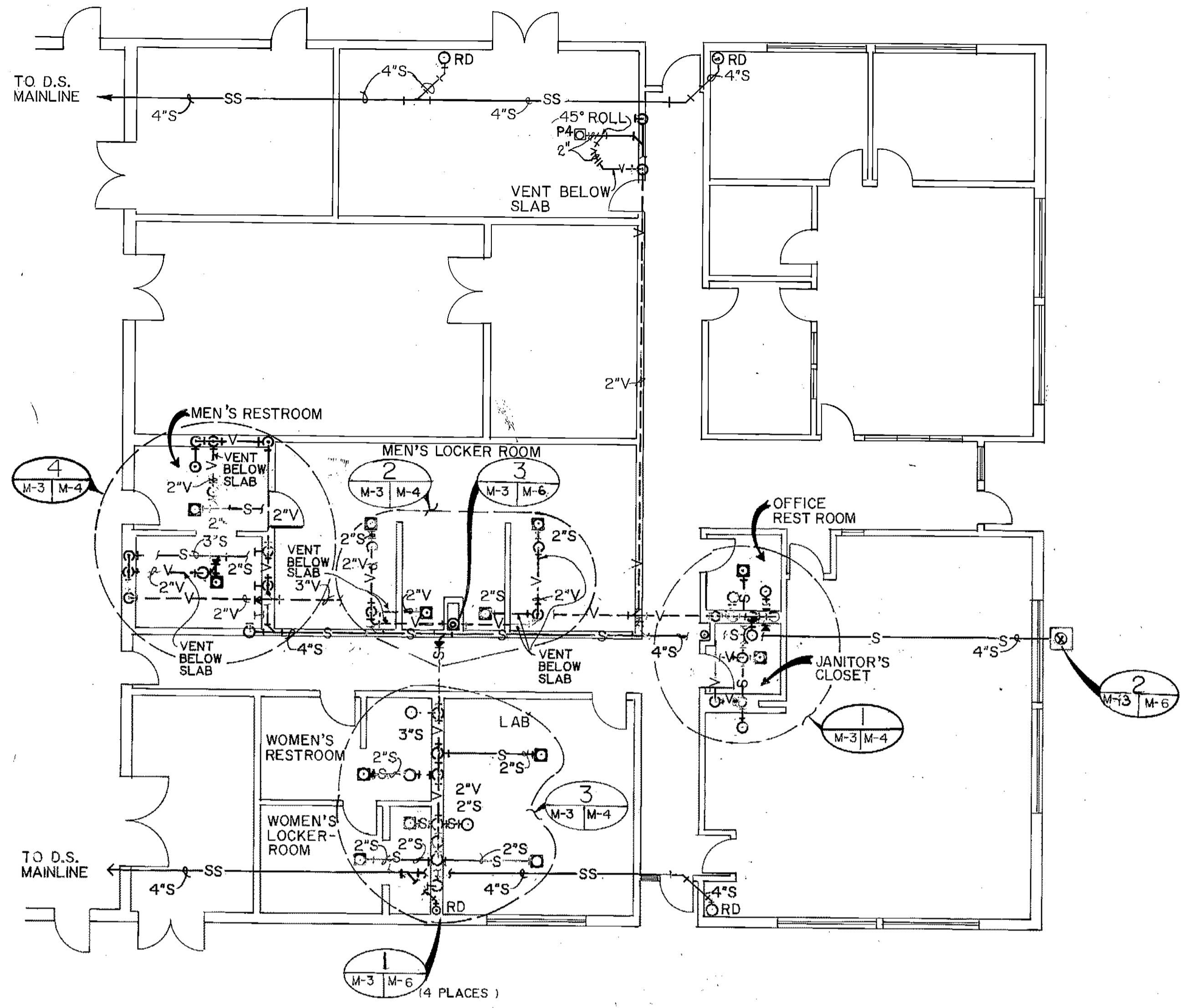
NO.	REVISION	DATE	BY



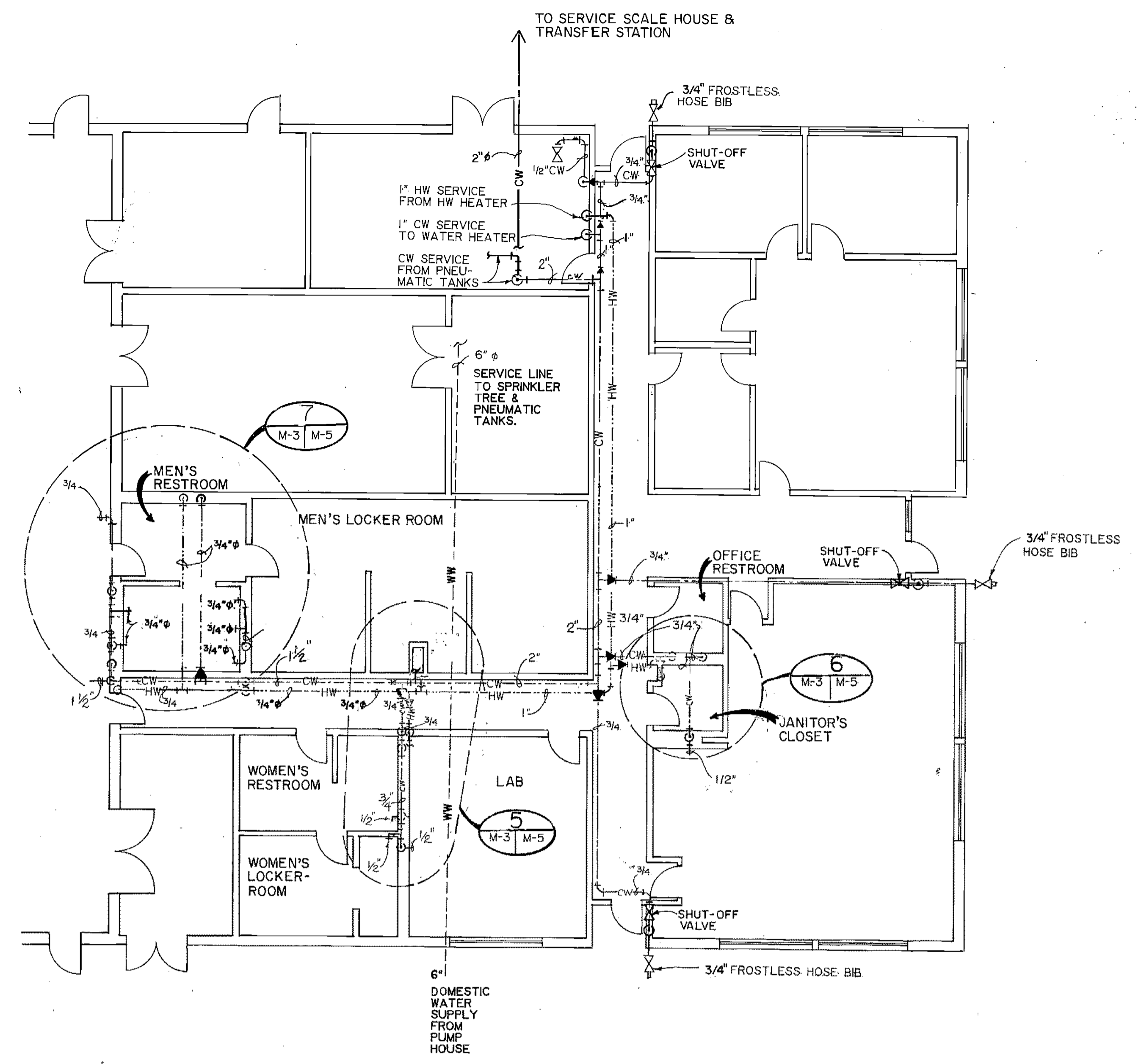
SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
 MAINTENANCE AREA PLUMBING PLAN

M-2
 SHEET 59 OF 85

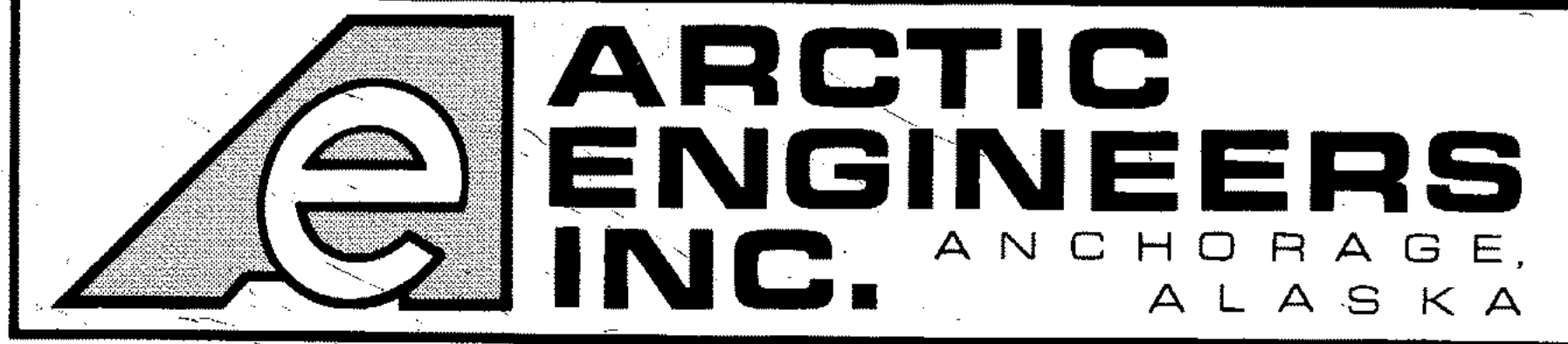
LET
 INTERNAL SHOP / INTERNAL BLDG.
 ADMIN. BLDG. DWG. V & WATER & WASTE PLAN
 11.3
 11.3



D.W. & V. PLAN
 SCALE: 1/8" = 1'-0"

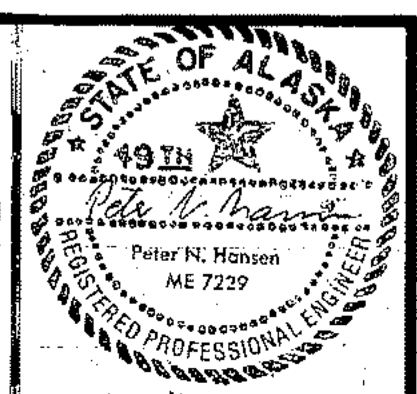
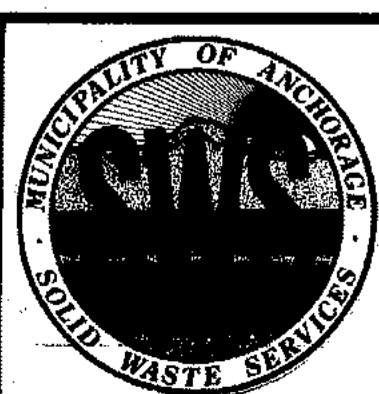


WATER SERVICE LINE PLAN
 SCALE: 1/8" = 1'-0"



PROJECT NO. 86-010-02
 DESIGNED : R.J.H.
 DRAWN : AKF, bh
 CHECKED : PH
 DATE : FEB 24, 1987
 SCALE : NOTED

NO.	REVISION	DATE BY

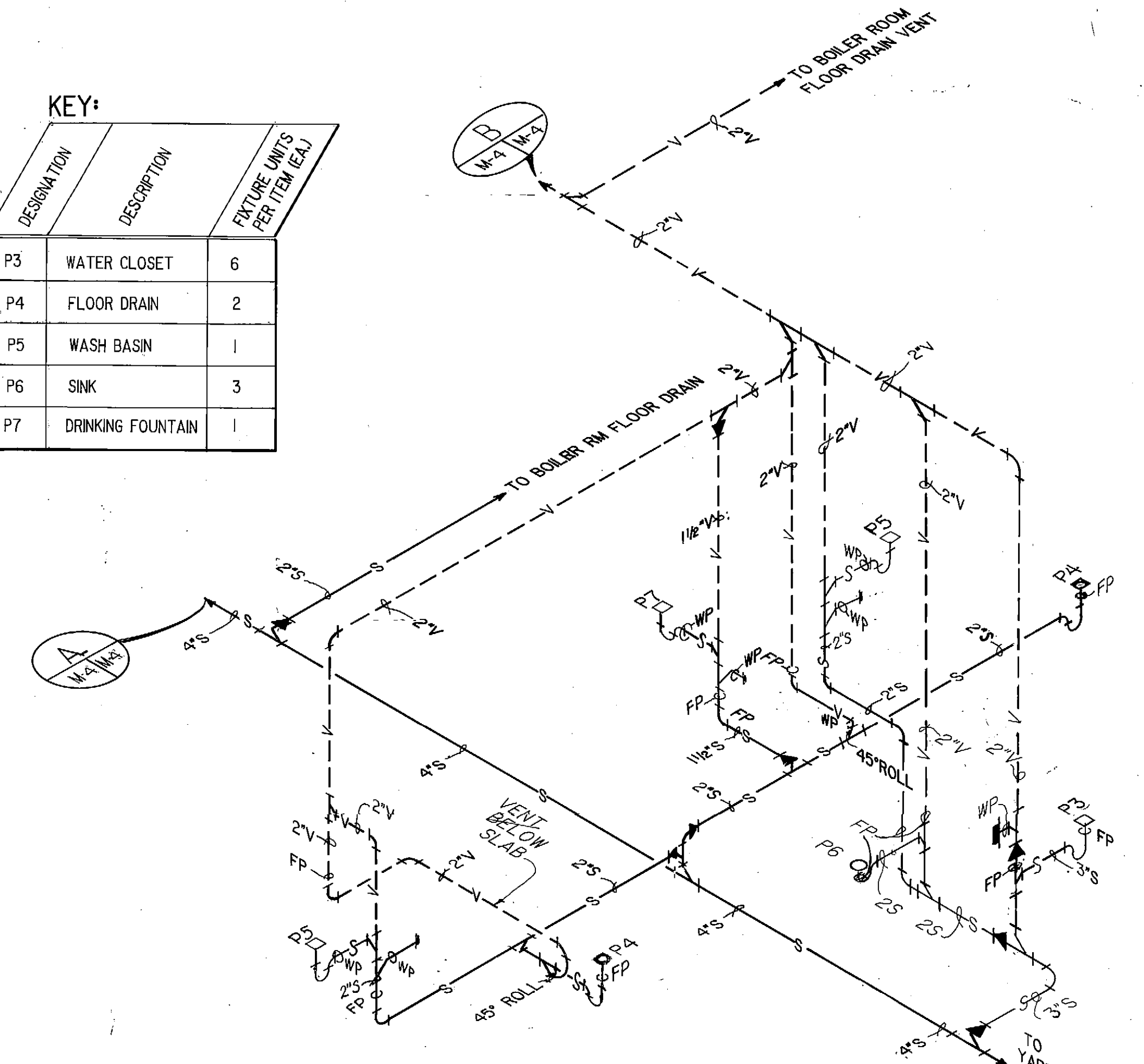


SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
 ADMINISTRATION AREA PLUMBING PLAN

M-3
 SHEET 60 OF 85

KEY:

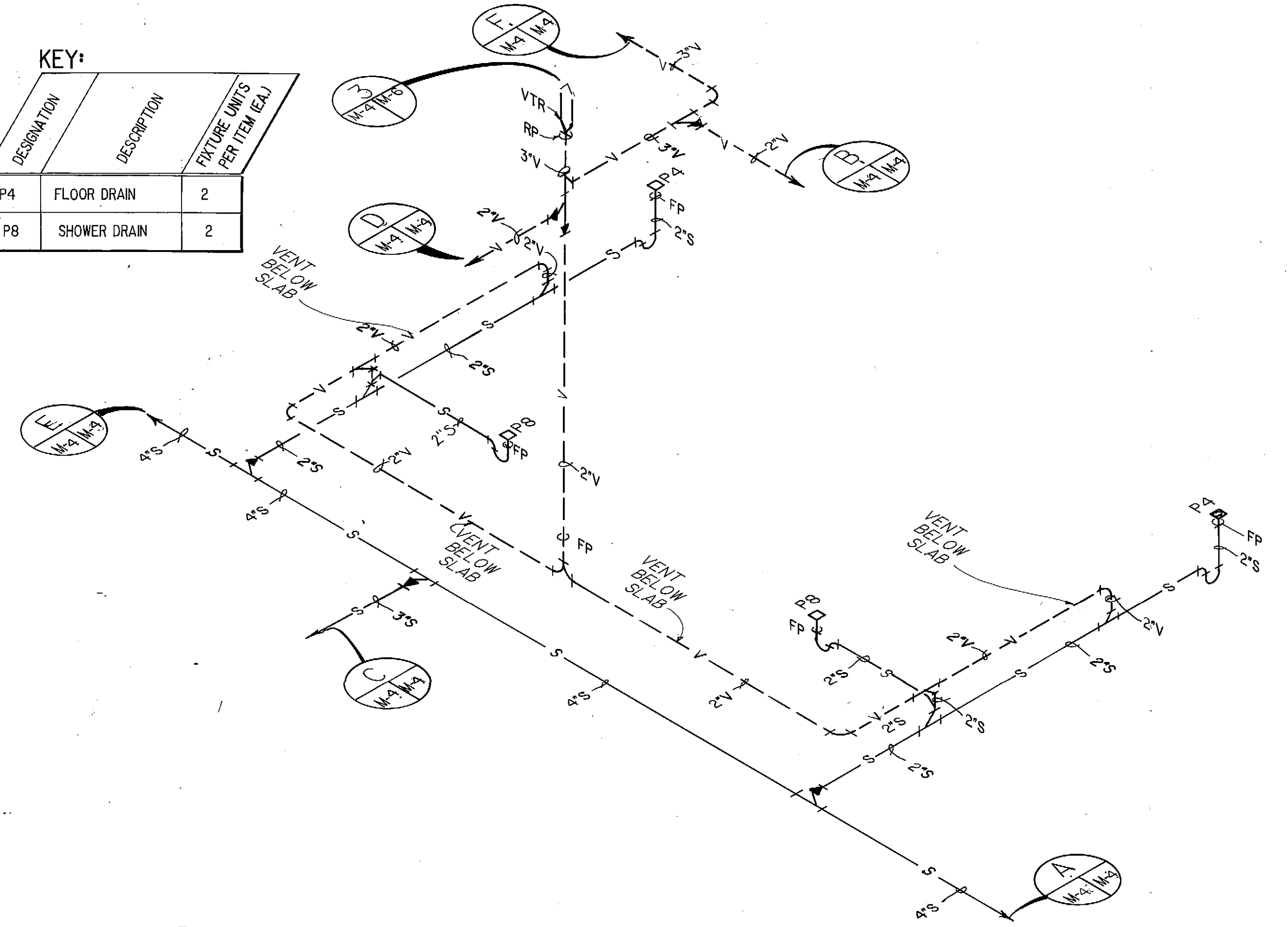
DESIGNATION	DESCRIPTION	FIXTURE UNITS PER ITEM (EAU)
P3	WATER CLOSET	6
P4	FLOOR DRAIN	2
P5	WASH BASIN	1
P6	SINK	3
P7	DRINKING FOUNTAIN	1



1 ISOMETRIC: OFFICE RESTROOM & JANITORS' CLOSET
M-3 M-4 N.T.S.

KEY:

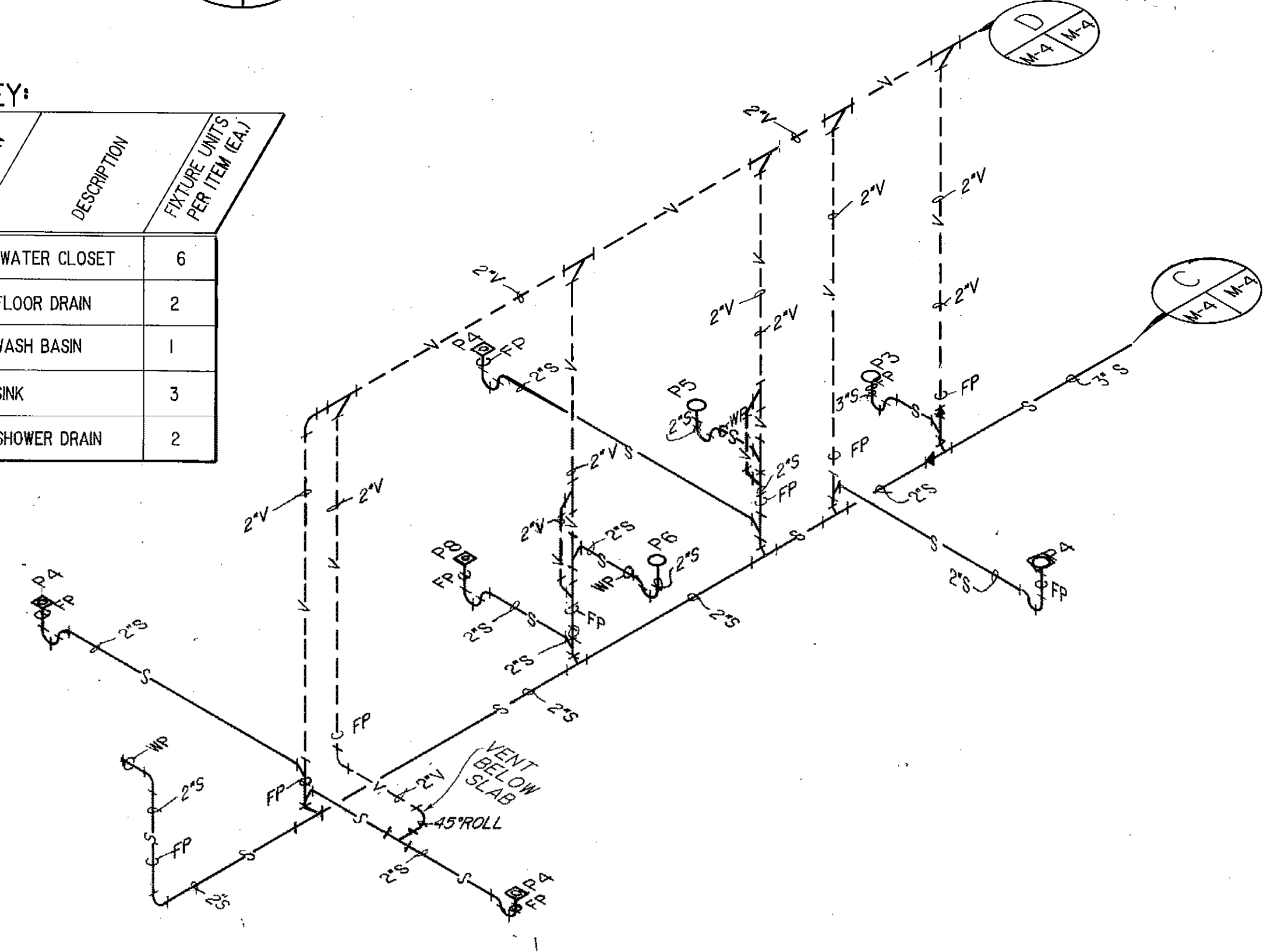
DESIGNATION	DESCRIPTION	FIXTURE UNITS PER ITEM (EAU)
P4	FLOOR DRAIN	2
P8	SHOWER DRAIN	2



2 ISOMETRIC: MENS LOCKER ROOM
M-3 M-4 N.T.S.

KEY:

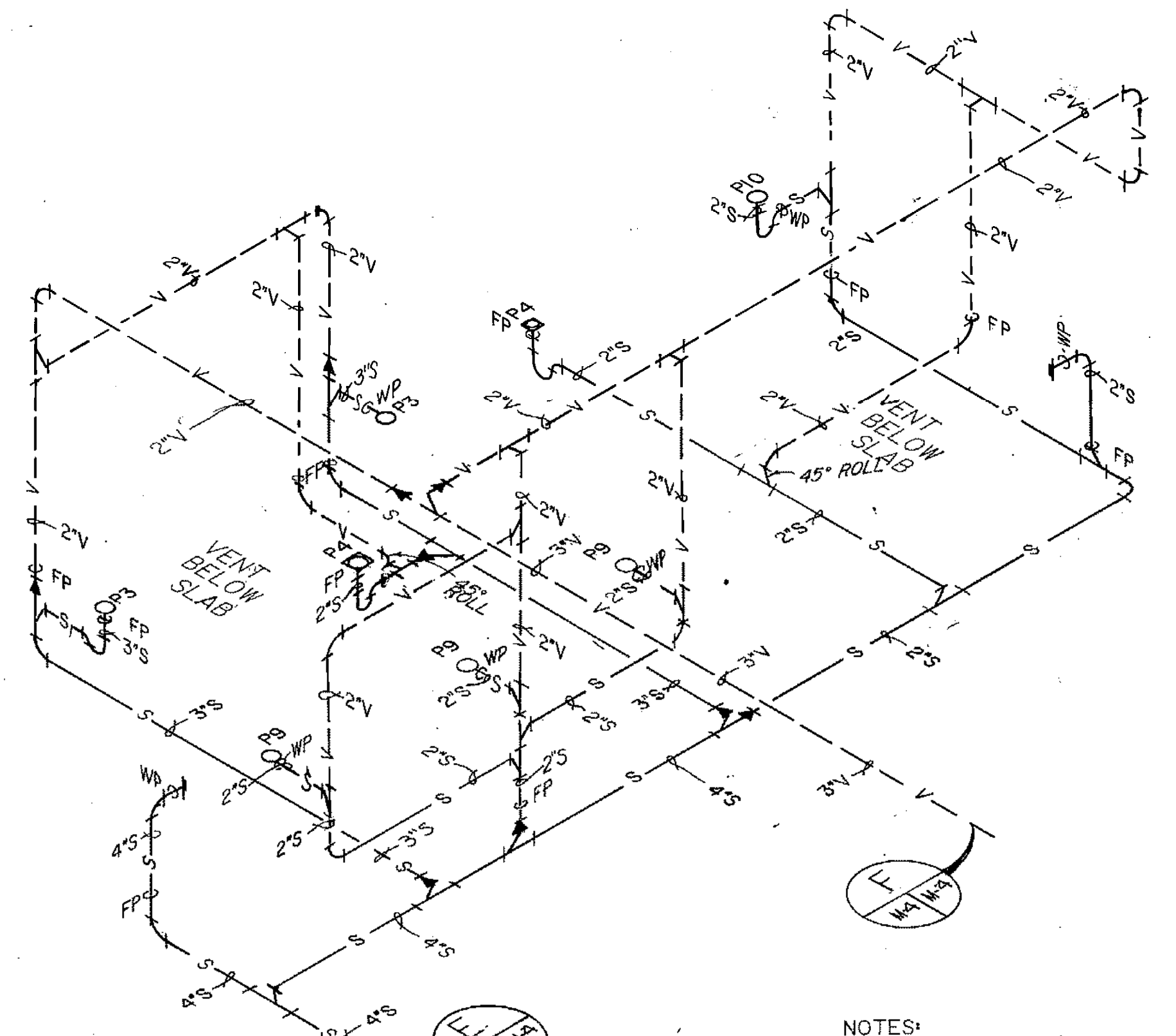
DESIGNATION	DESCRIPTION	FIXTURE UNITS PER ITEM (EAU)
P3	WATER CLOSET	6
P4	FLOOR DRAIN	2
P5	WASH BASIN	1
P6	SINK	3
P8	SHOWER DRAIN	2



3 ISOMETRIC: WOMENS LOCKER ROOM & LAB
M-3 M-4 N.T.S.

KEY:

DESIGNATION	DESCRIPTION	FIXTURE UNITS PER ITEM (EAU)
P3	WATER CLOSET	6
P4	FLOOR DRAIN	2
P9	URINALS	2
P10	WASH STATION	3



4 ISOMETRIC: MENS REST ROOM
M-3 M-4 N.T.S.

NOTES:
1 THIS IS A DIAGRAMMATIC DRAWING, NOT A SCHEMATIC. FITTINGS SHOWN MAY NOT REFLECT THE FINAL PLUMBING ARRANGEMENT. ALL NECESSARY FITTINGS ARE TO BE SUPPLIED BY THE CONTRACTOR.

ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

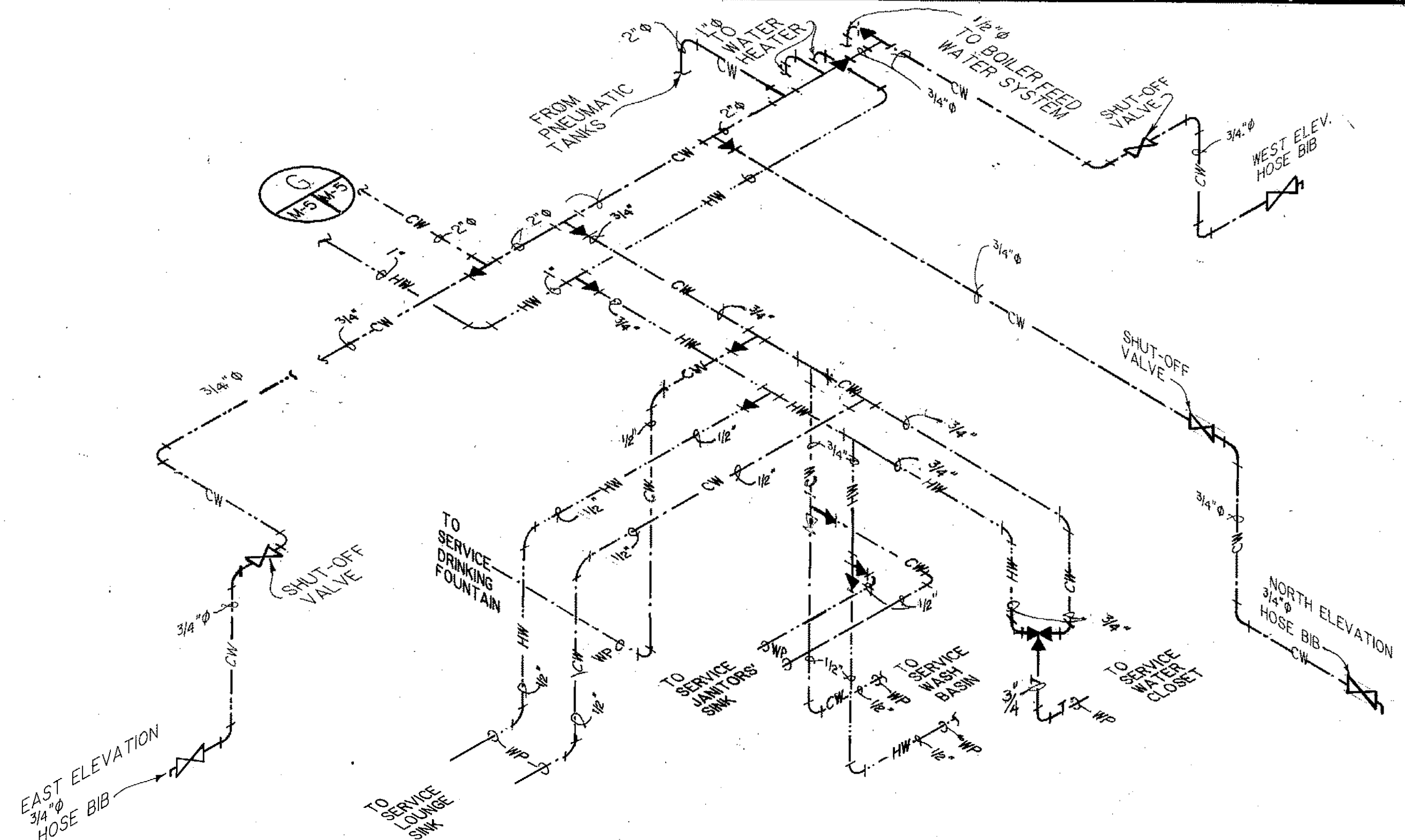
PROJECT NO. 86-010-02 MOA
DESIGNED: RJH
DRAWN: bh
CHECKED: PH
DATE: FEB 24, 1987
SCALE: N.T.S.

NO.	REVISION	DATE BY

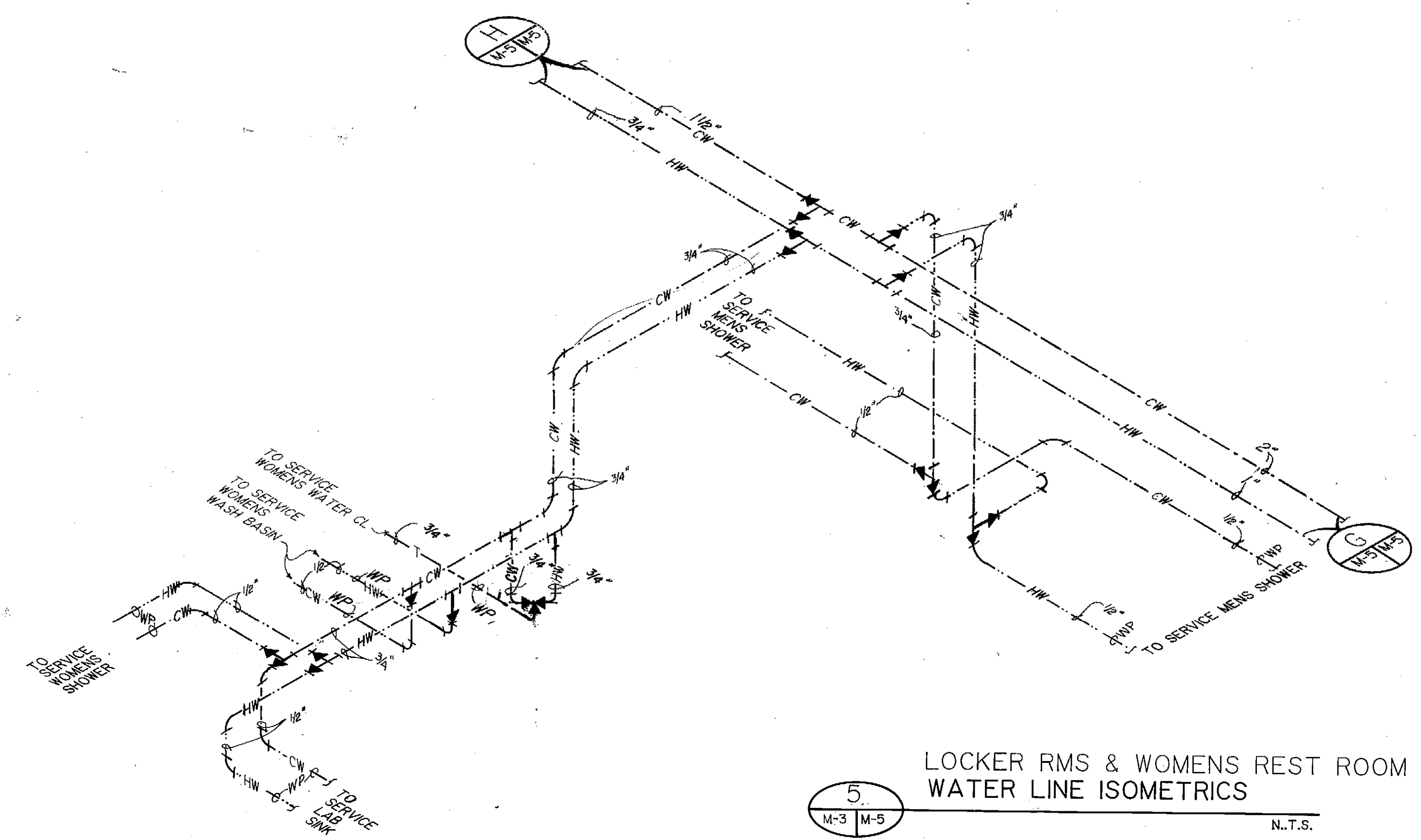


SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
MAINTENANCE/ ADMINISTRATION BUILDING
DRAIN, WASTE, & VENTING ISOMETRICS

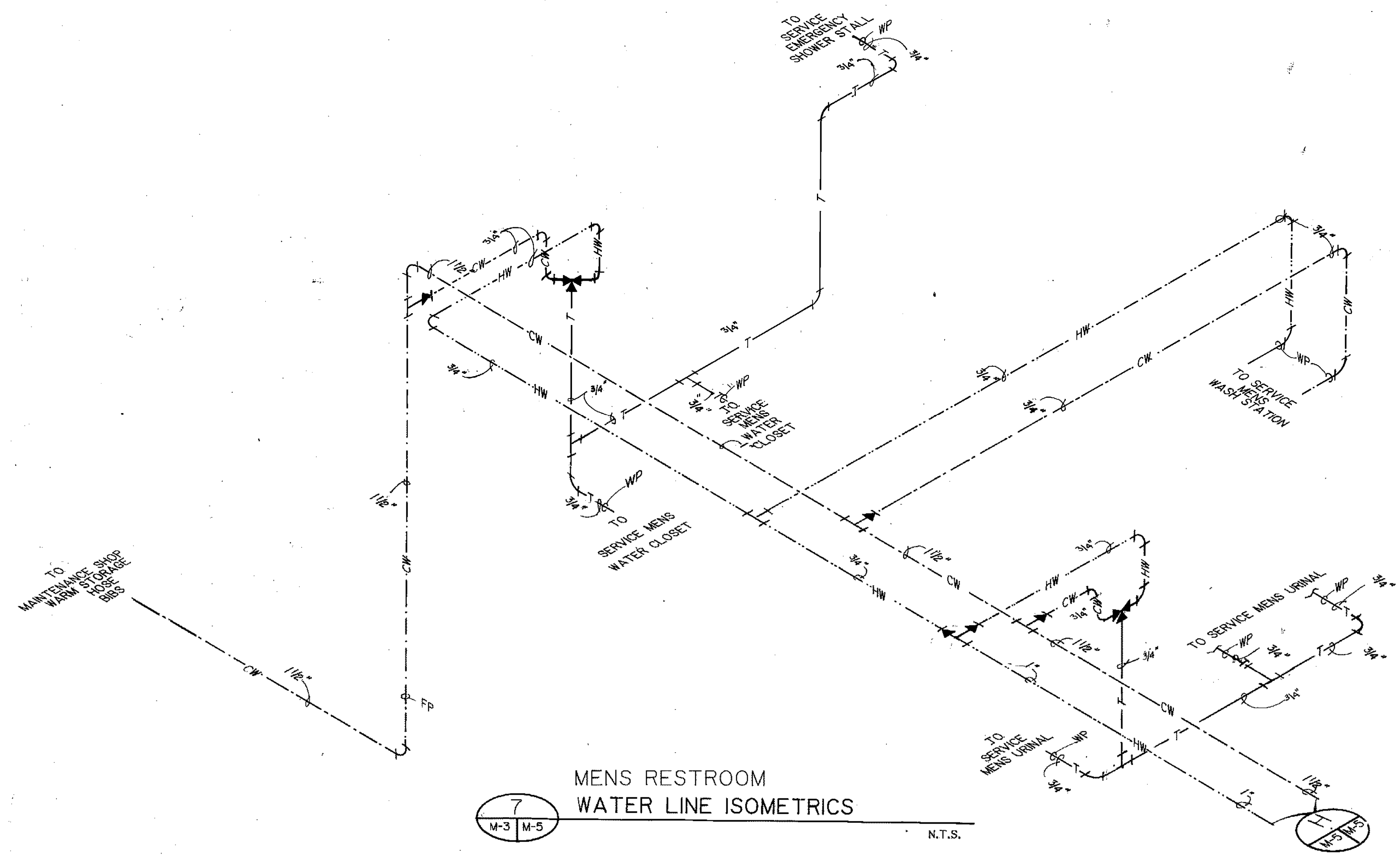
M-4
SHEET 61 OF 85



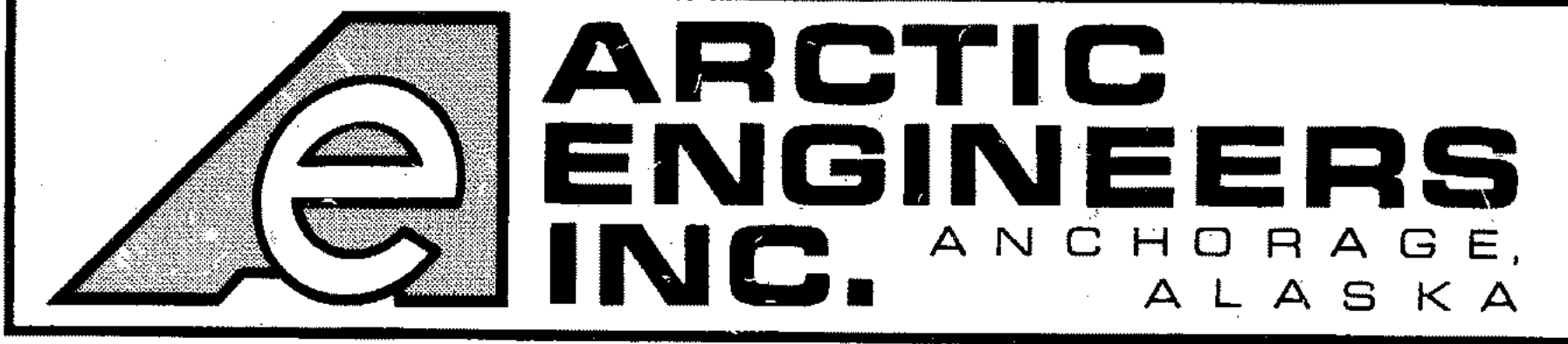
6
M-3 M-5
OFFICE RESTROOM & JANITORS' CLOSET
WATER LINE ISOMETRICS
N.T.S.



5
M-3 M-5
LOCKER RMS & WOMENS REST ROOM
WATER LINE ISOMETRICS
N.T.S.

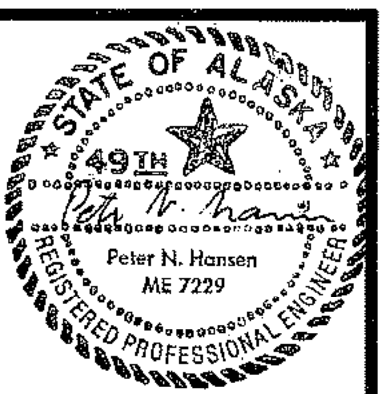


7
M-3 M-5
MENS RESTROOM
WATER LINE ISOMETRICS
N.T.S.

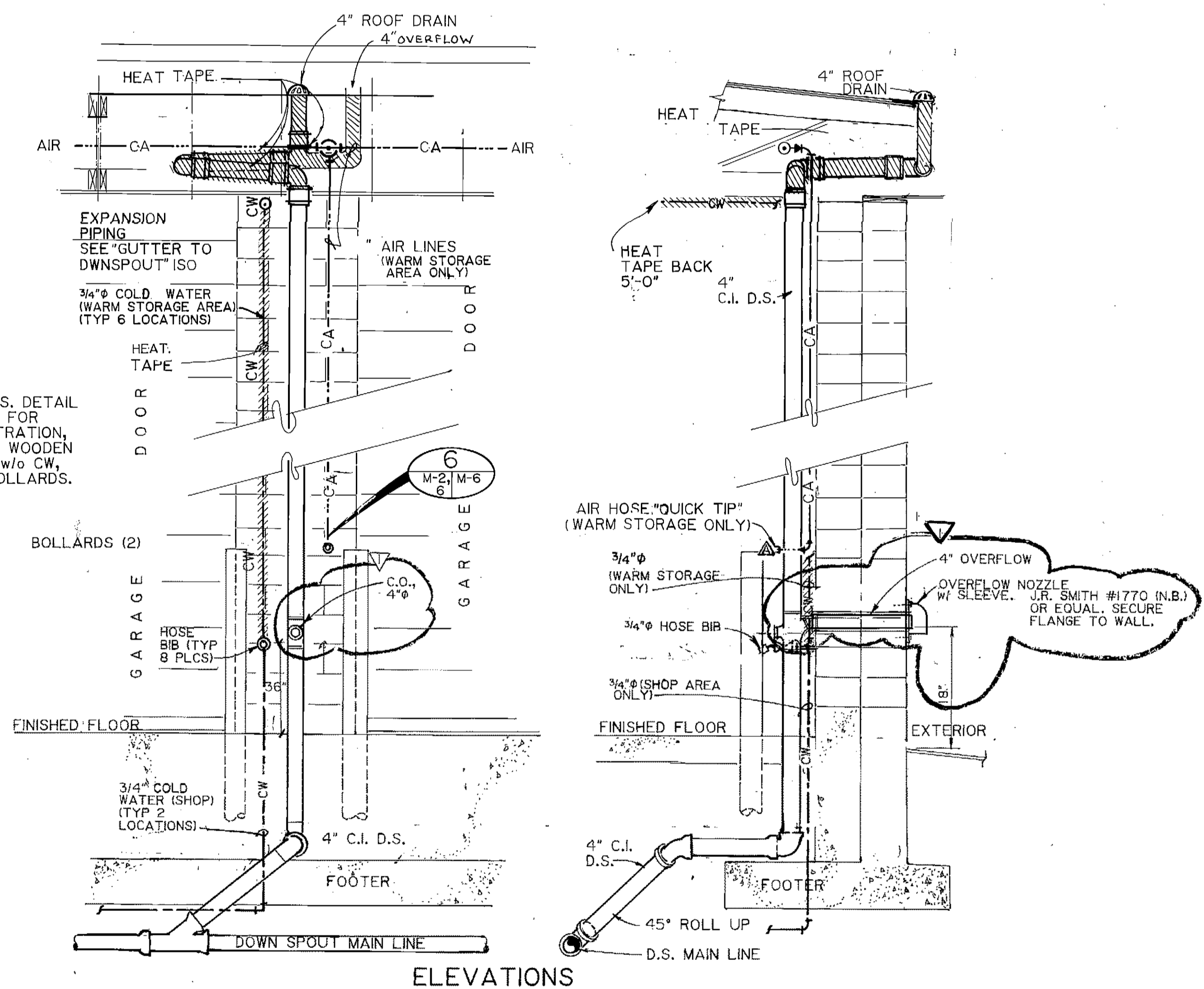
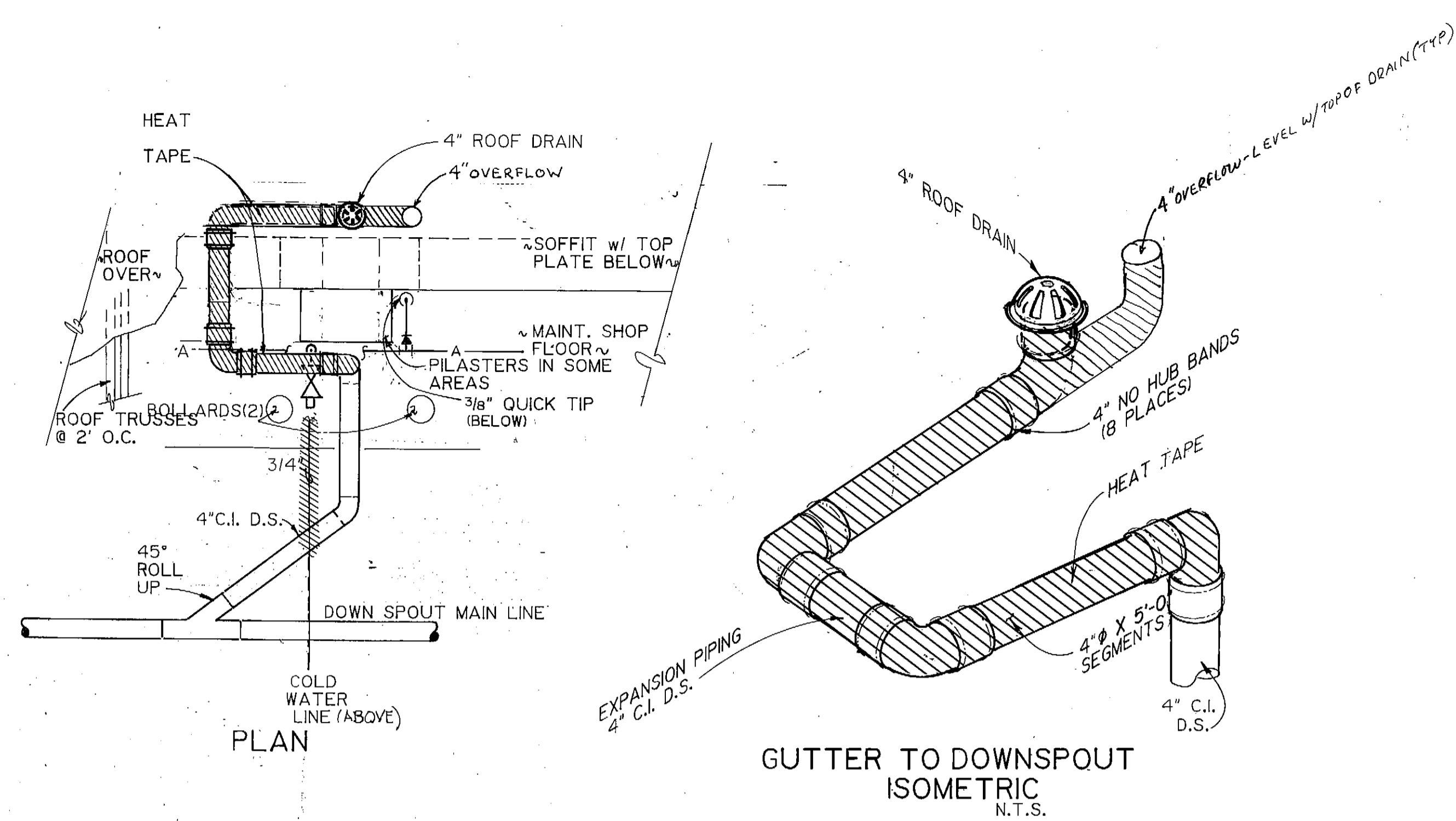


PROJECT NO. 86-010-02 MOA
DESIGNED : R.J.H.
DRAWN : bh
CHECKED : PH
DATE : FEB 24, 1987
SCALE : N.T.S.

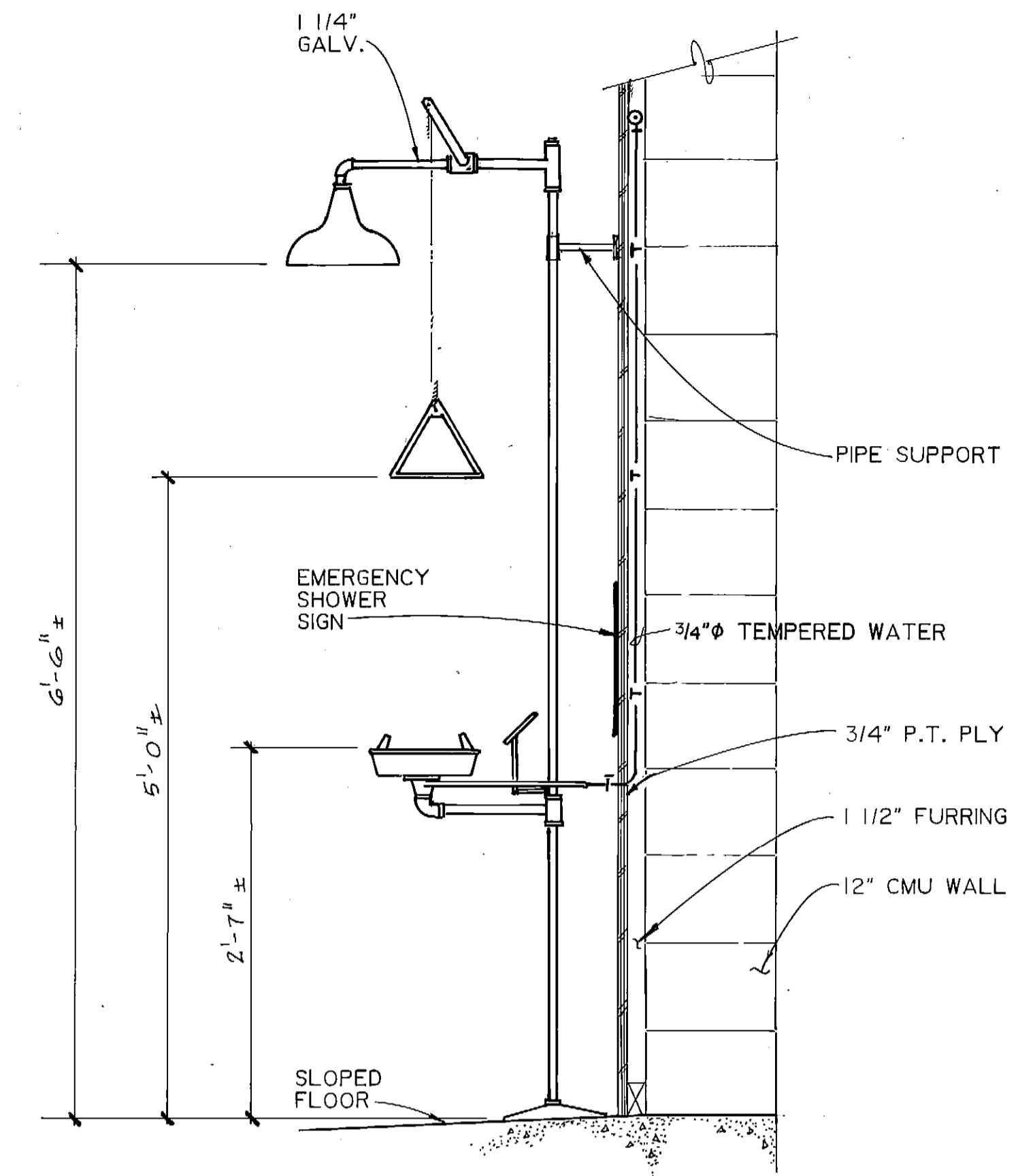
NO.	REVISION	DATE BY



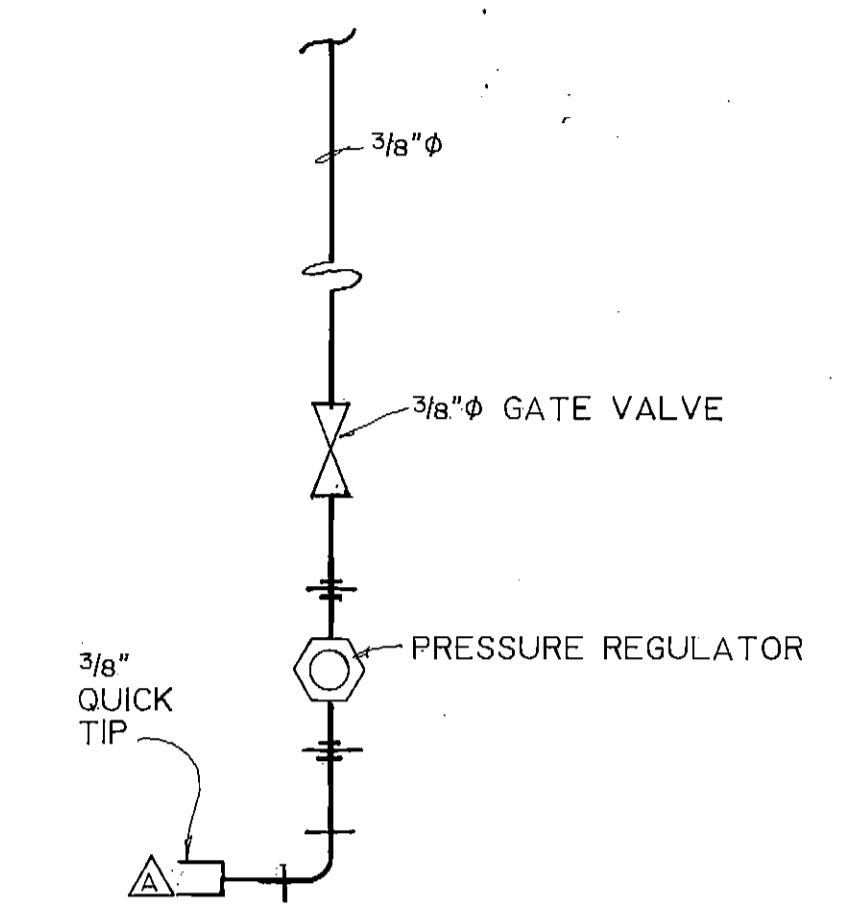
SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
MAINTENANCE / ADMINISTRATION BUILDING
ADMINISTRATION AREA
WATER LINE ISOMETRICS



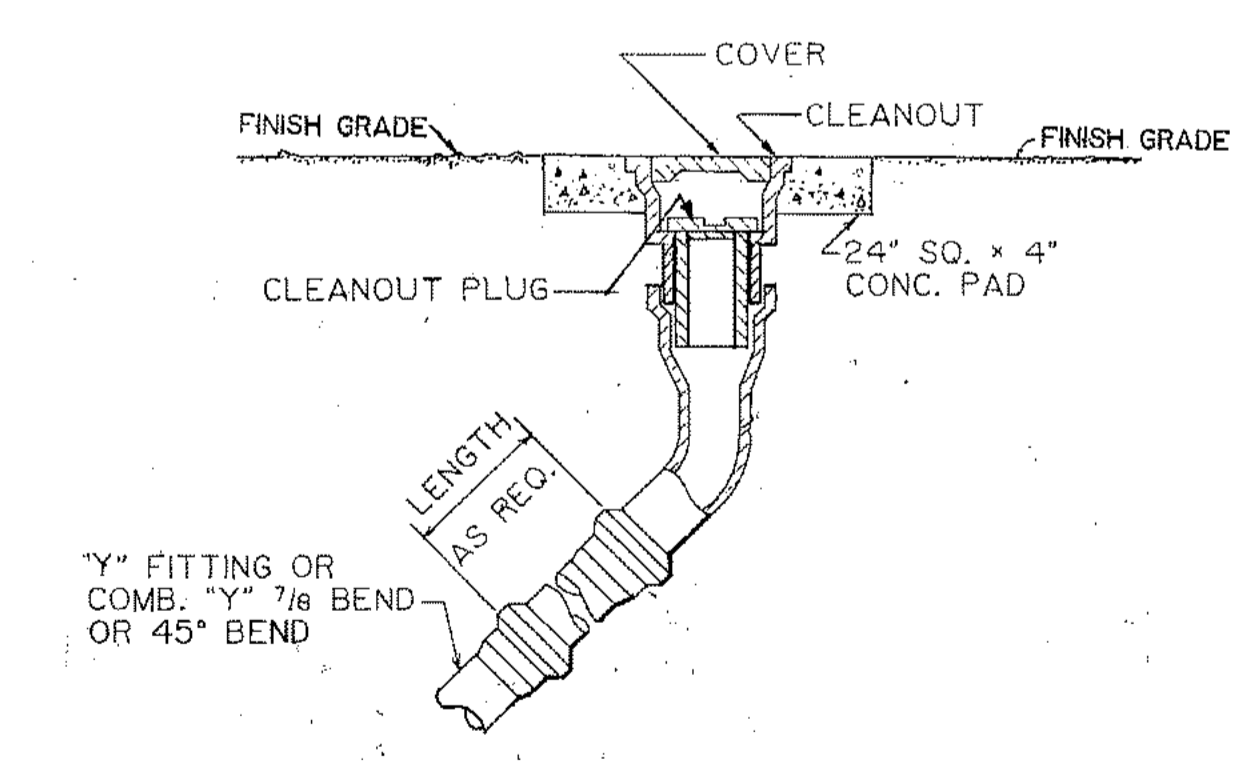
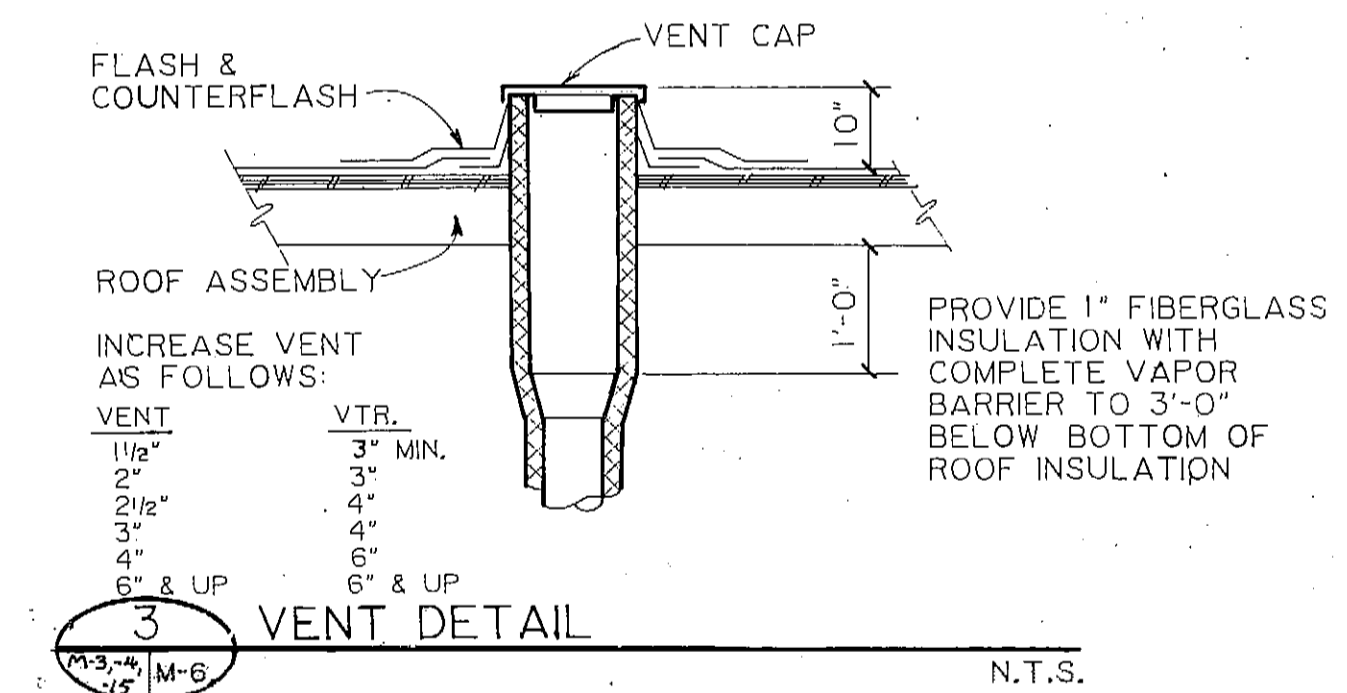
1 DOWNSPOUT HOOKUP & DETAILS
 SCALE: 1/2" = 1'-0"
 M-2,3 M-6



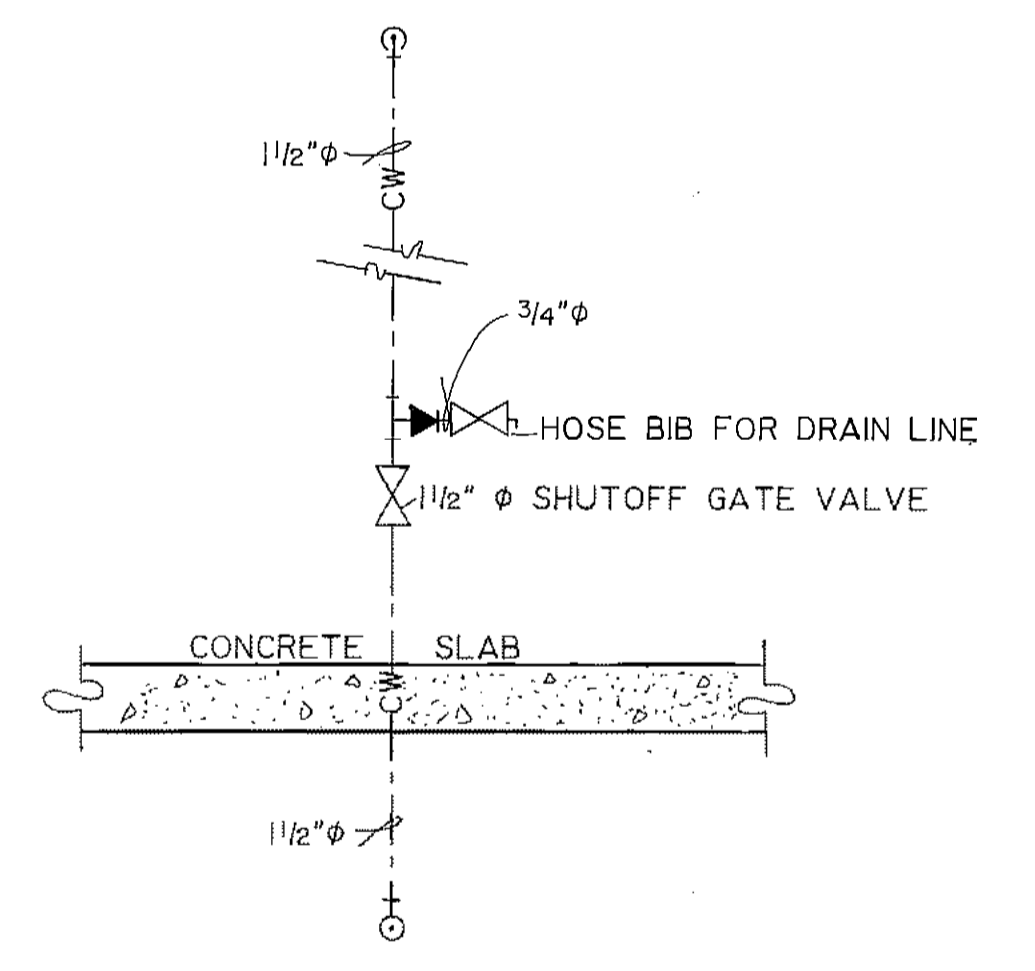
4 EMERGENCY EYEWASH & SHOWER DETAIL
 1" = 1'-0"
 M-2 M-6



6 TYP. COMPRESSED AIR DROP DETAIL
 N.T.S.
 M-2 M-6



2 YARD CLEANOUT DETAIL (TYP)
 N.T.S.
 M-2,3 M-6

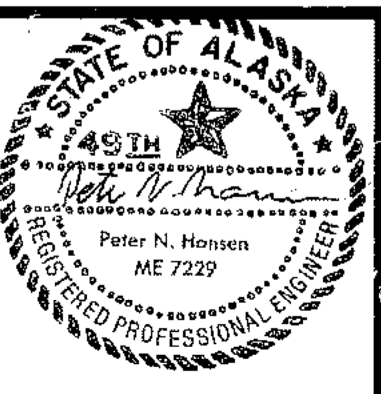


5 SHOP RISER
 SCALE: 1/2" = 1'-0"
 M-2 M-6

ARCTIC ENGINEERS INC.
 ANCHORAGE, ALASKA

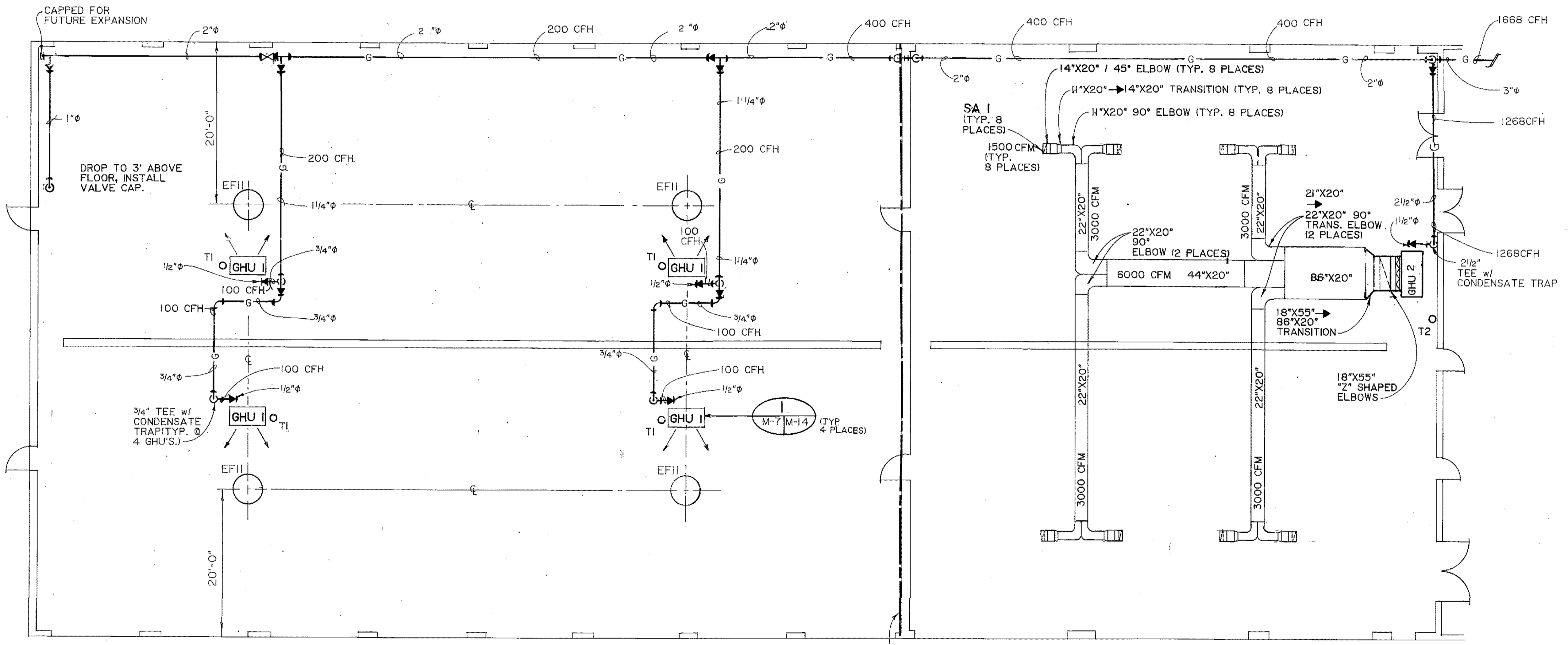
PROJECT NO. 86-010-02
 DESIGNED: R.J.H.
 DRAWN: bh
 CHECKED: PH
 DATE: FEB 24, 1987
 SCALE: NOTED

NO.	REVISION	DATE	BY
	C.O. & OVERFLOW ADDED	5-5-87	bh



SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
 PLUMBING SECTIONS, DETAIL

MAINT AREA HTG & VENT PLAN
M-7



EXPANSION JOINT
NOTE:
ALL PIPING ACROSS
EXPANSION JOINTS
TO BE EQUIPPED W/
FLEXIBLE CONNECTIONS

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

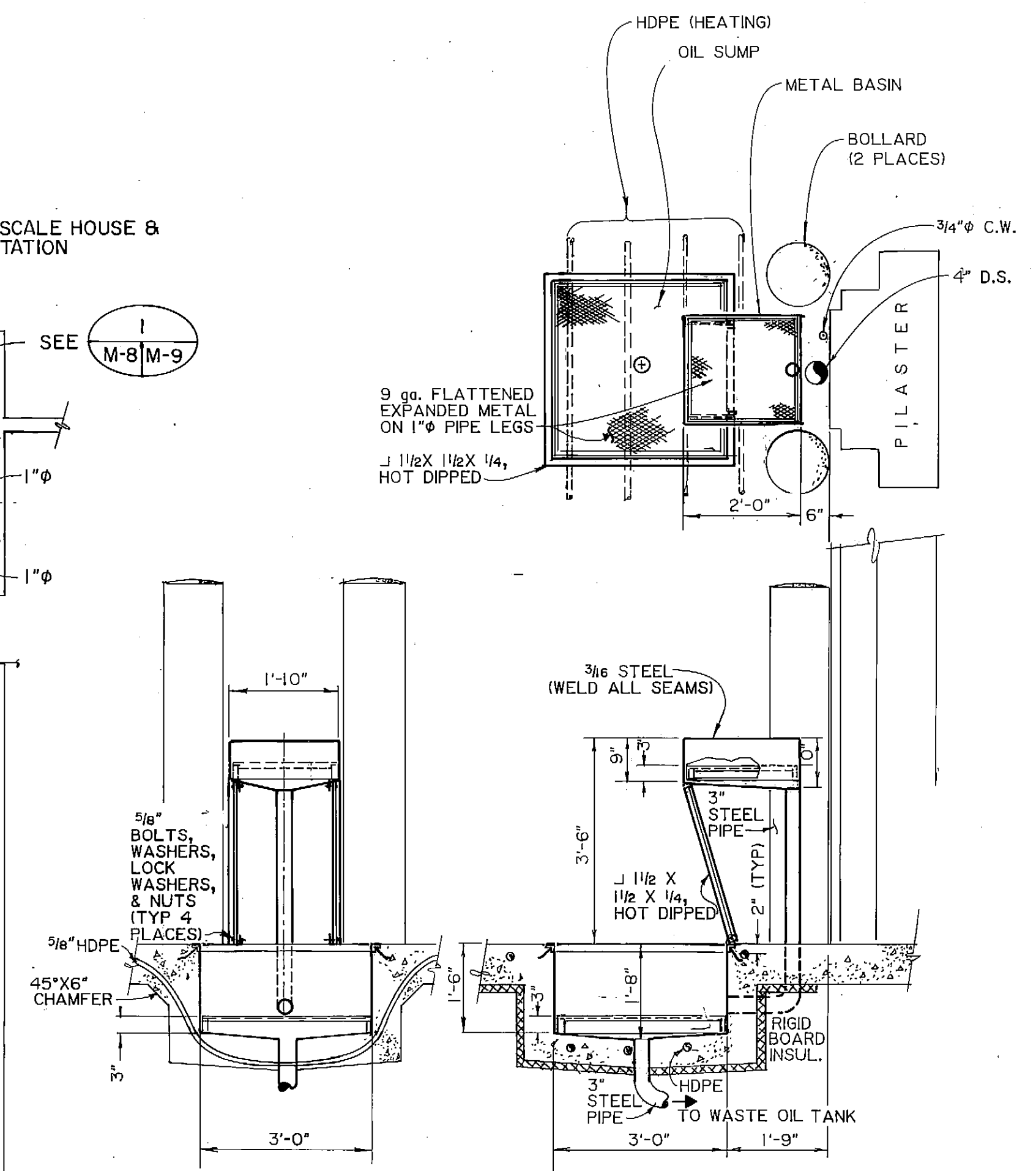
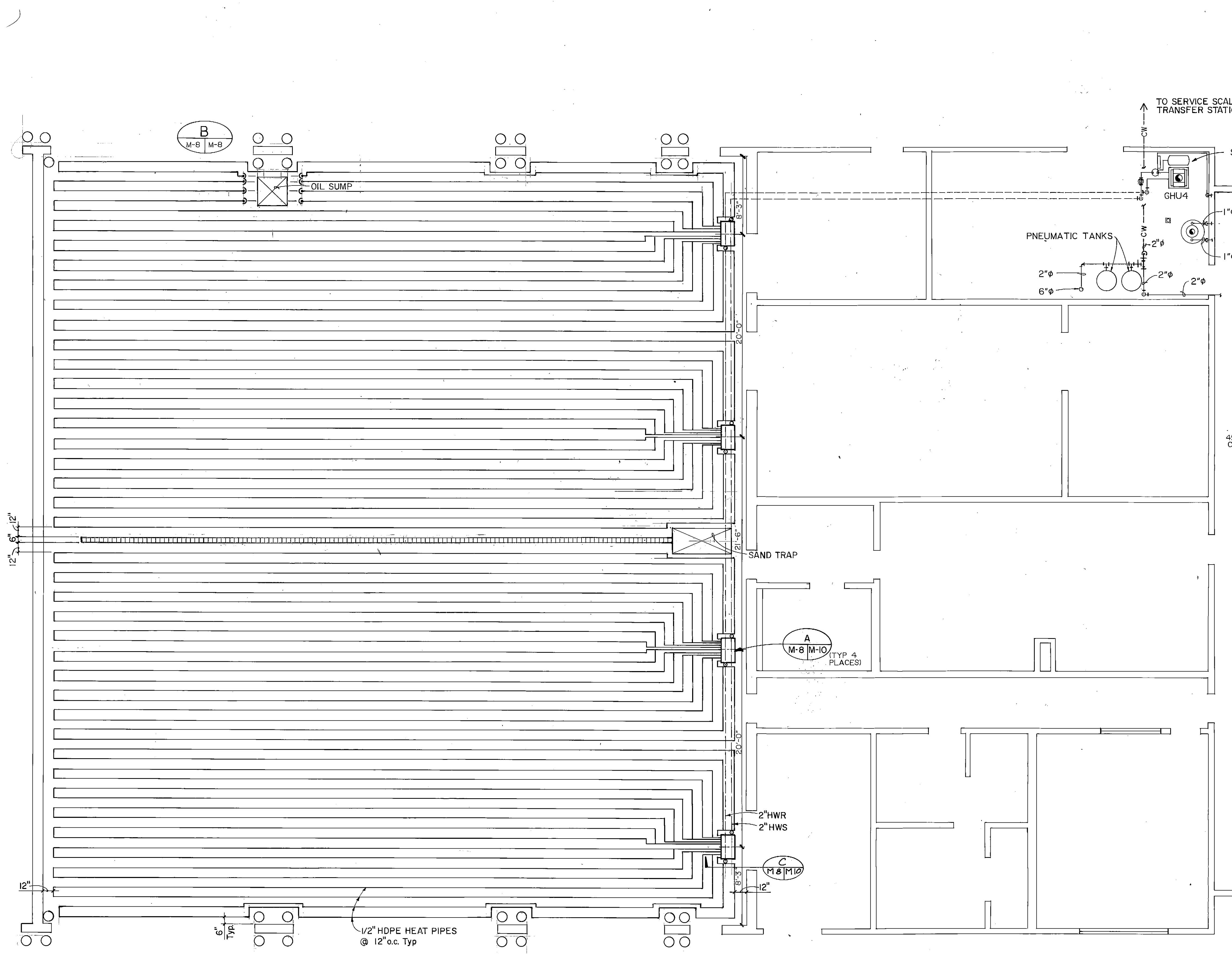
PROJECT NO. 86-010-02 MOA
DESIGNED: RJH
DRAWN: AKF, bh
CHECKED: PH
DATE: FEB 24, 1987
SCALE: 1/8" = 1'-0"

NO.	REVISION	DATE	BY



SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility
MAINTENANCE / ADMINISTRATION BUILDING
MAINTENANCE AREA
HEATING & VENTILATING PLAN

M-7
SHEET 64 OF 85



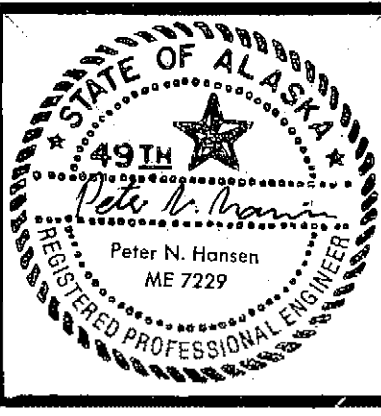
NOTE: PROVIDE REMOVABLE GRATE FOR LOWER BASIN, TO BE FLUSH WITH SLAB SURFACE WHEN IN PLACE.

B WASTE OIL SUMP - FABRICATION & PIPING
SCALE: 1/2" = 1'-0"

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
 DESIGNED: BT
 DRAWN: VMS
 CHECKED: PH
 DATE: FEB 24, 1987
 SCALE: 3/16" = 1'-0"

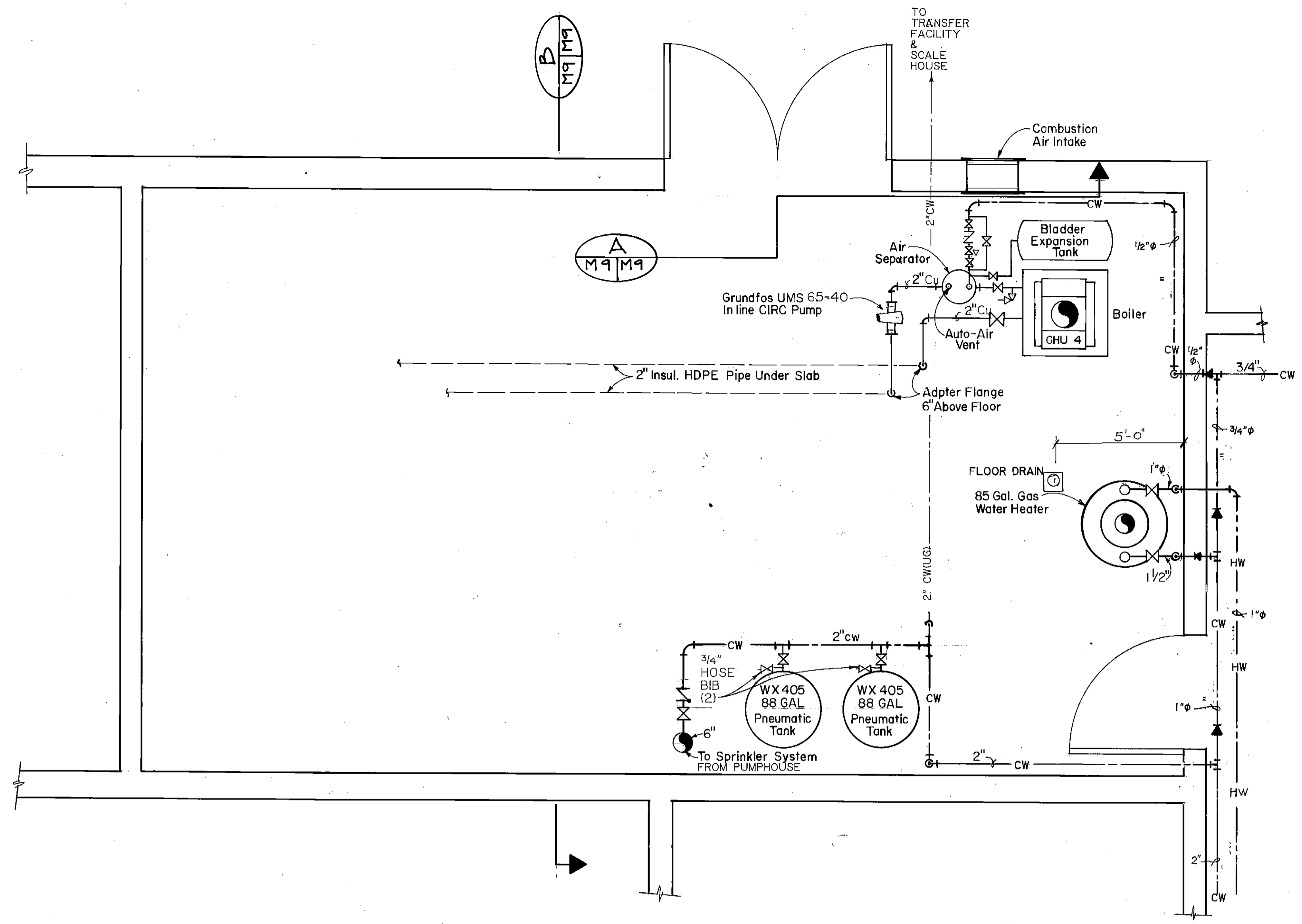
NO.	REVISION	DATE	BY



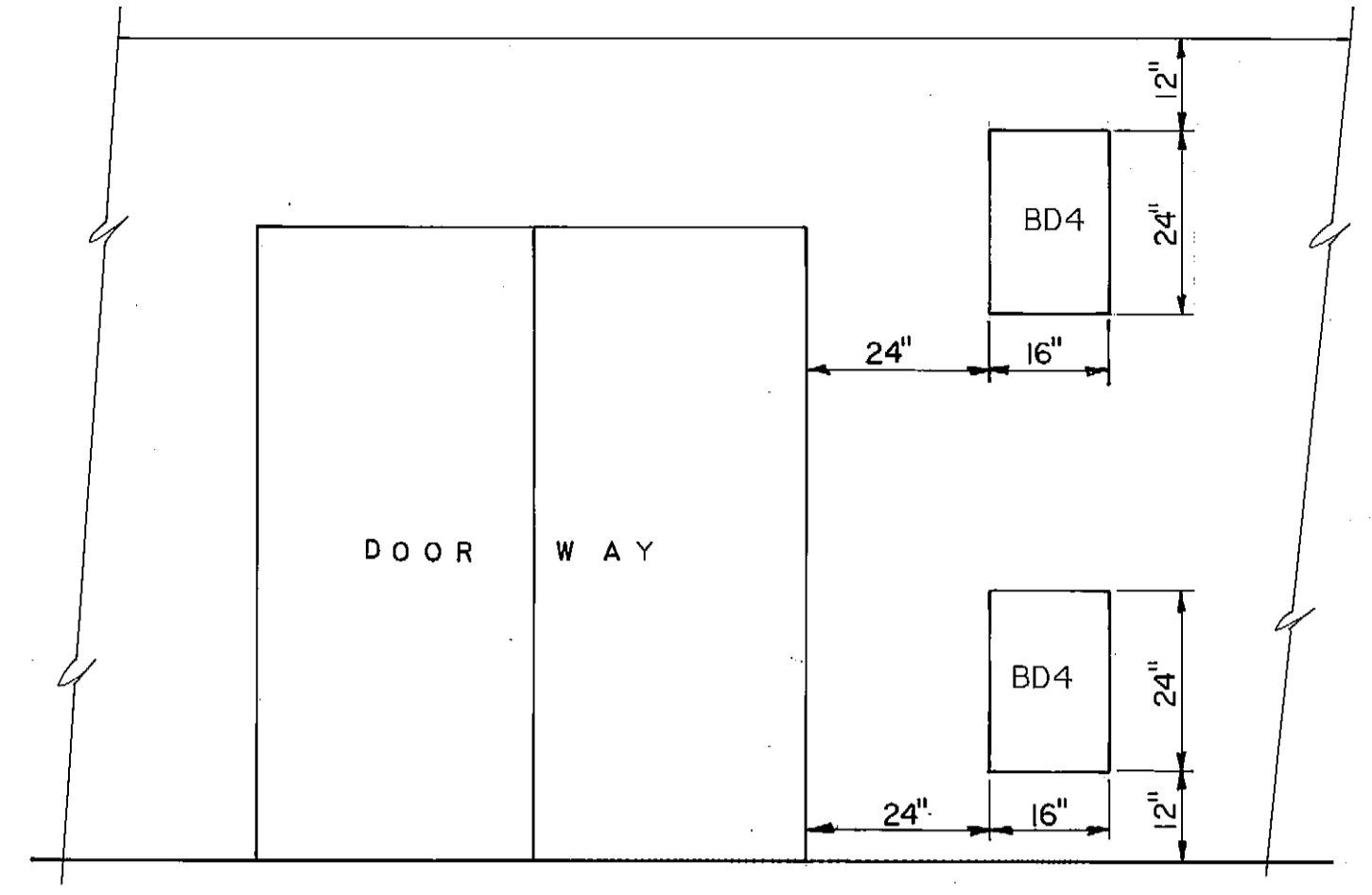
SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
MAINTENANCE AREA
SLAB HEATING

M-8
 SHEET 65 OF 85

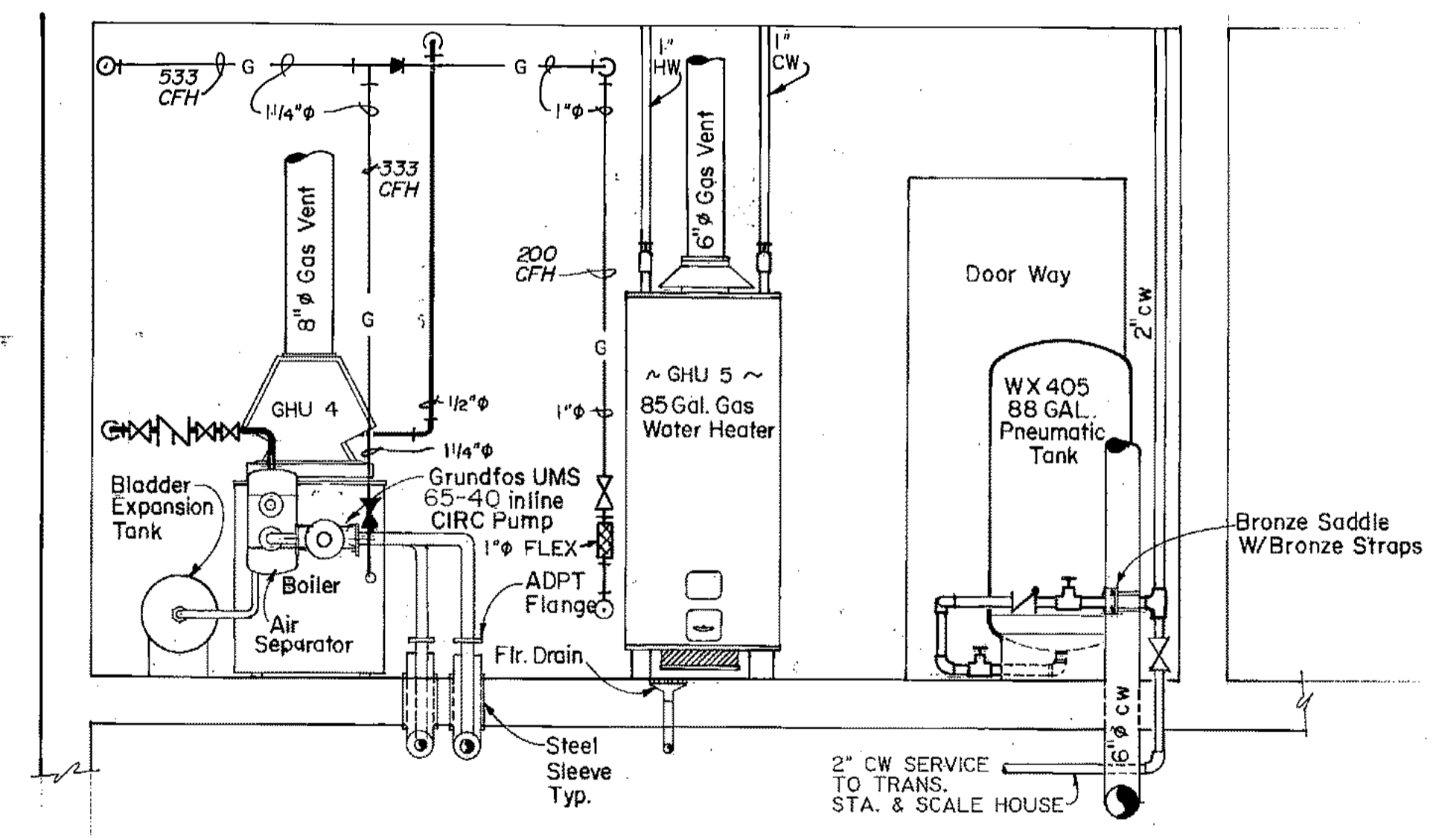
LEF MAINT/ADMIN BLDG BOILER RM PLAN M-9



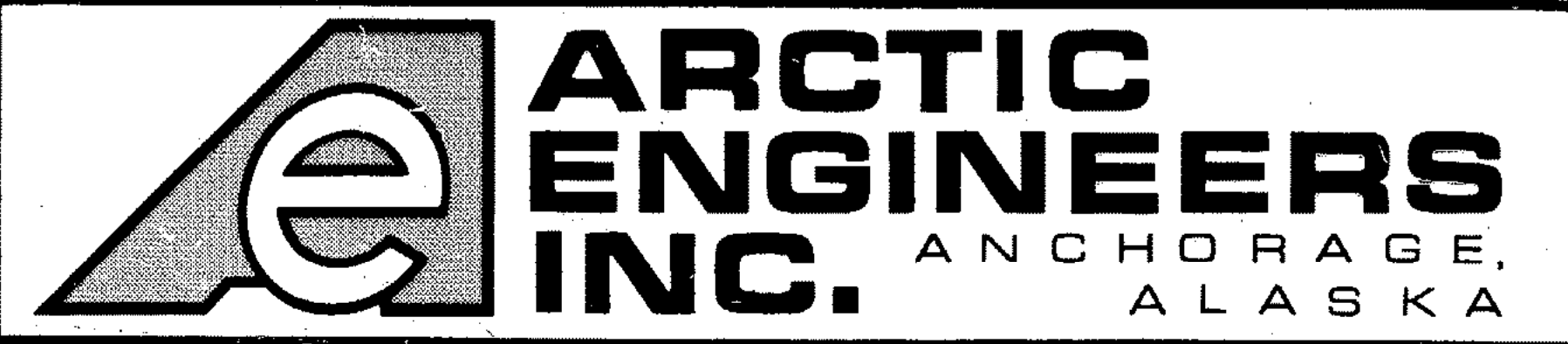
BOILER ROOM PLAN
SCALE 1/2"=1'-0"



COMBUSTION AIR DETAIL
SCALE 1/2"=1'-0"

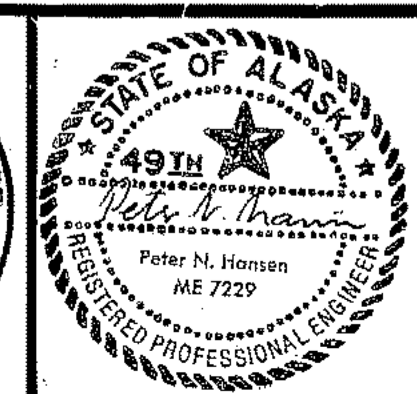


BOILER ROOM ELEVATION
SCALE 1/2"=1'-0"



PROJECT NO. 86-010-02
 DESIGNED : BT
 DRAWN : WAP
 CHECKED : PH
 DATE : FEB 24, 1987
 SCALE : AS NOTED

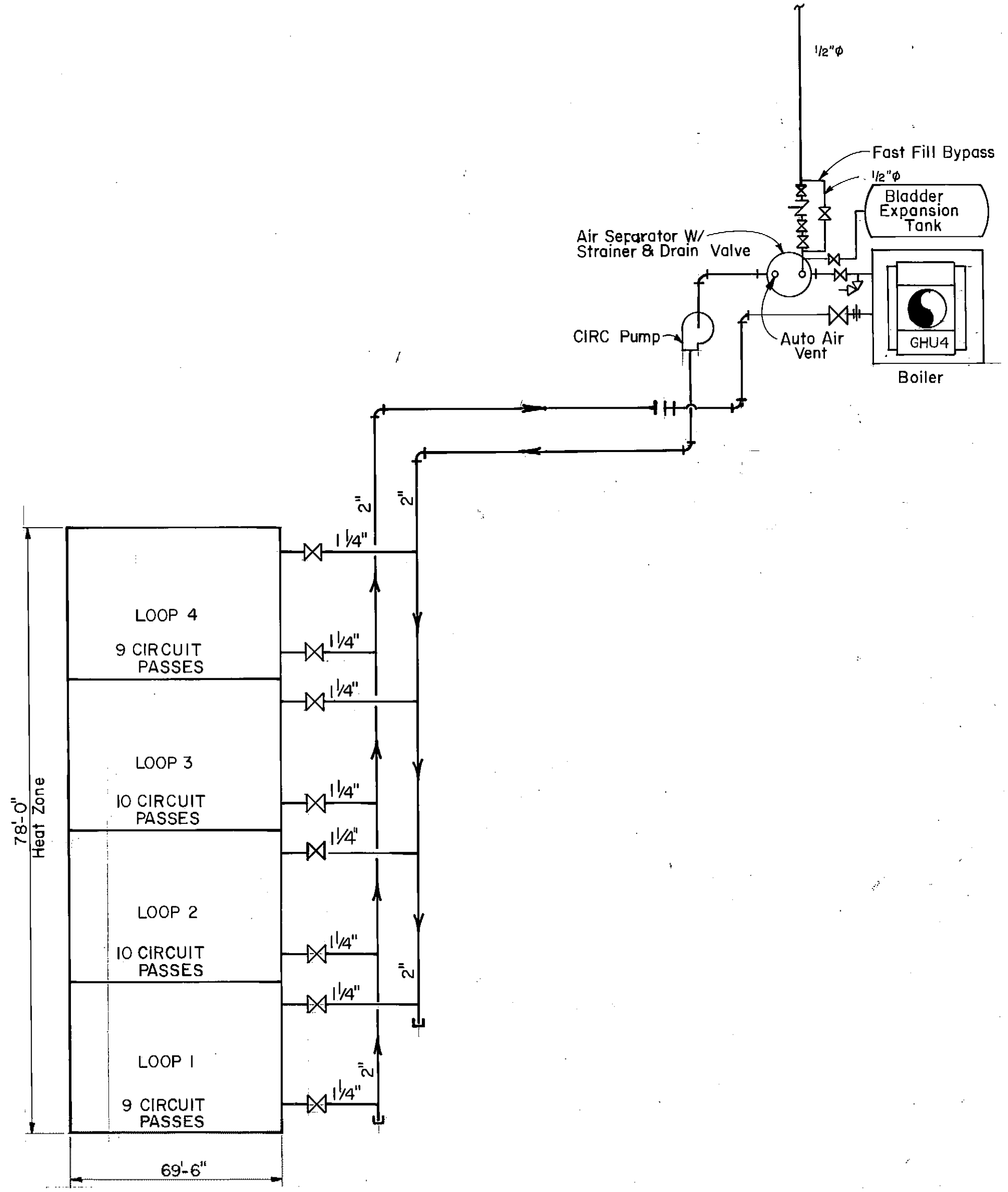
NO.	REVISION	DATE	BY



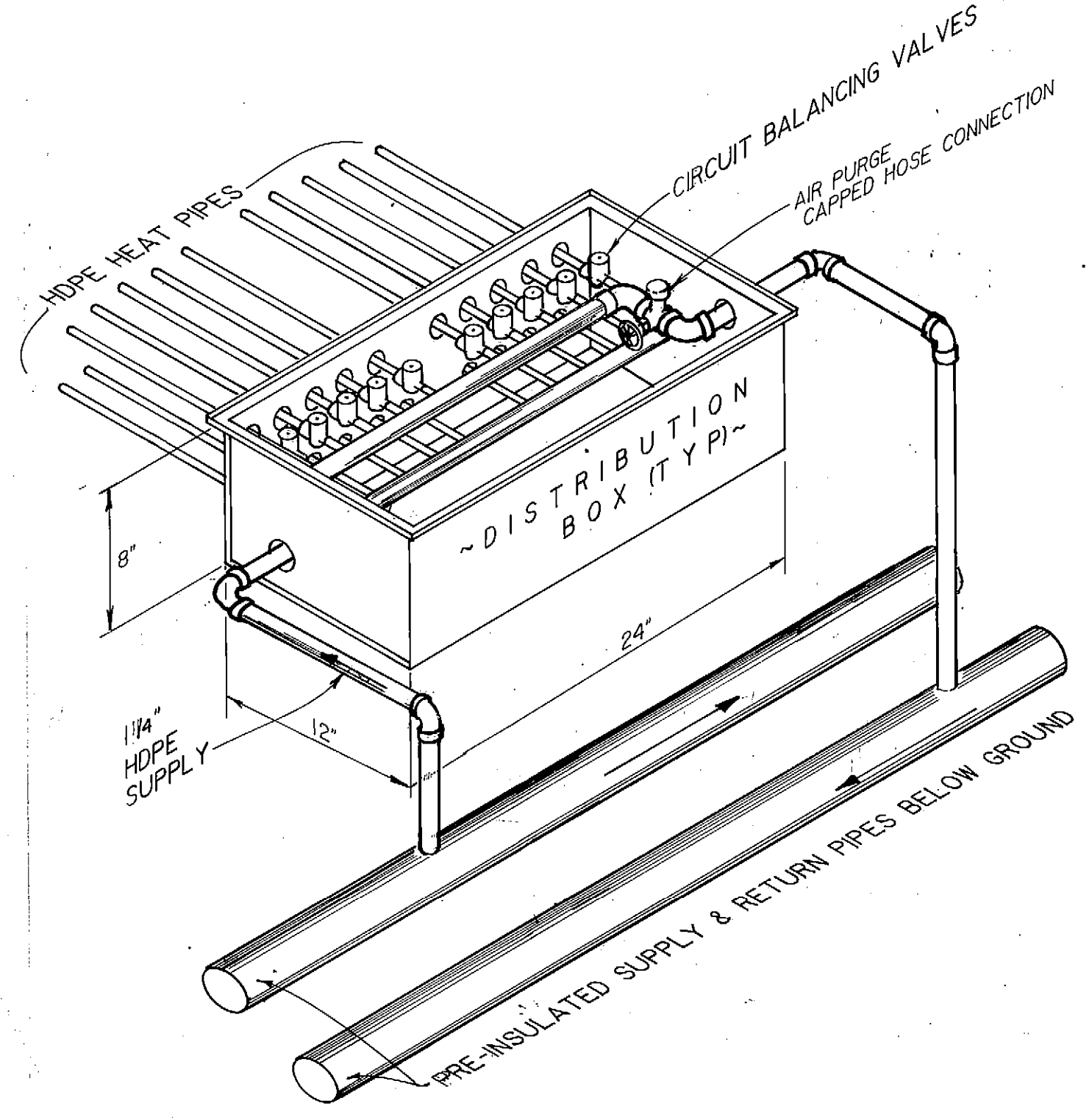
SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
BOILER ROOM PLAN

M 9
 SHEET 66 OF 85

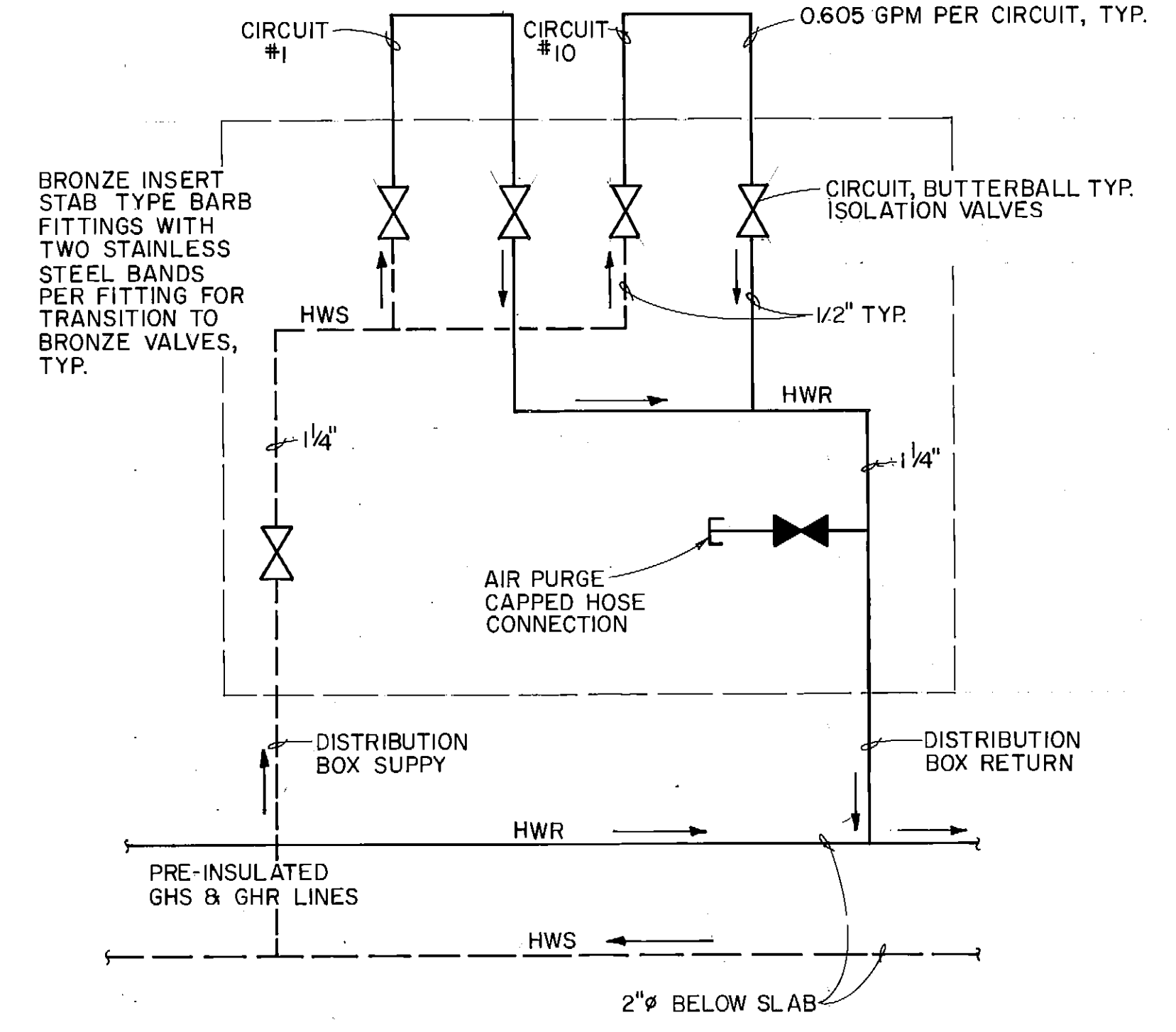
80310
 LEF MAINT ADMIN BLDG. SLAB HEATING
 BOILER ROOM - SECTIONS & DETAILS M-10



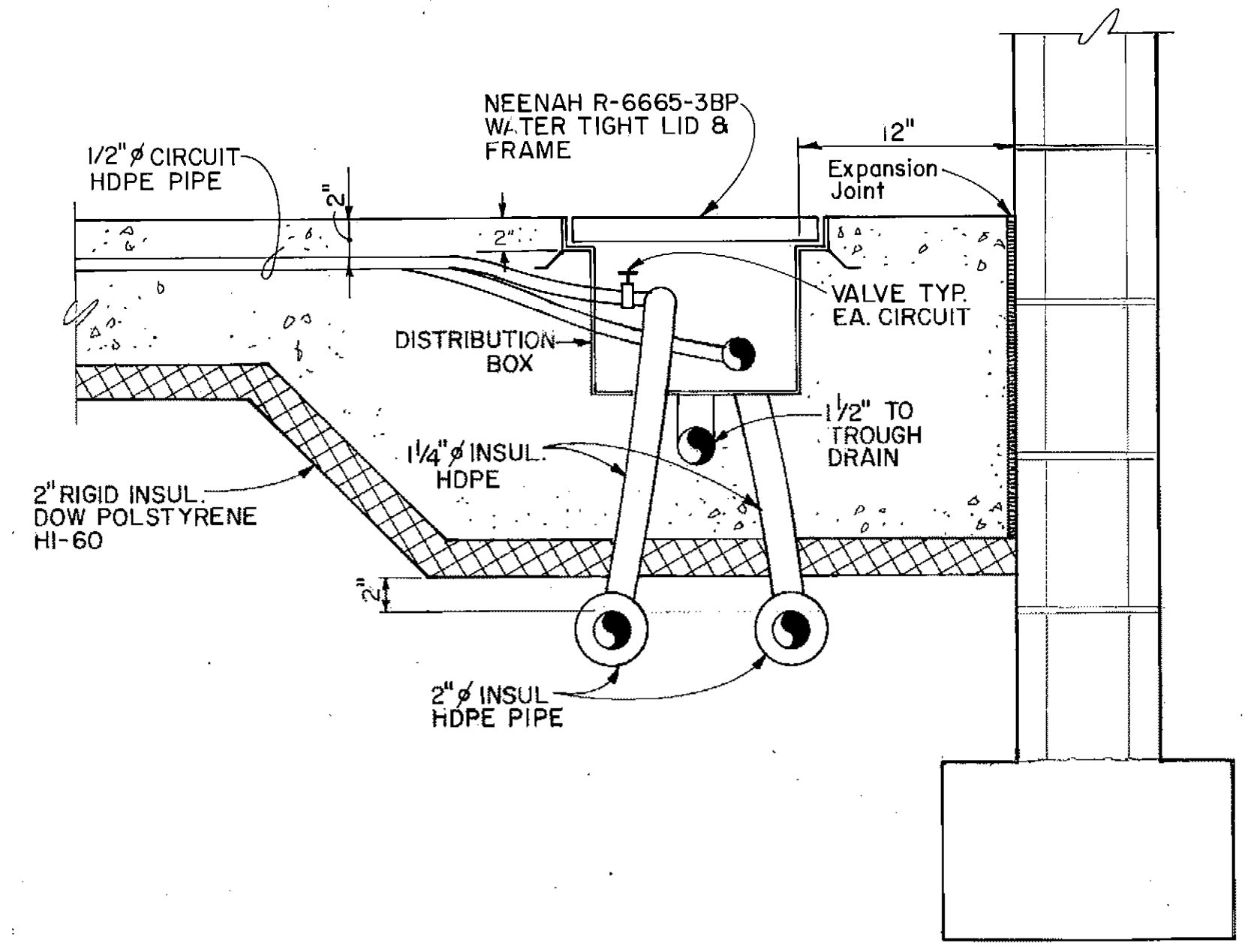
D
 M-8 | M-10
SLAB HEAT FLOW DIAGRAM



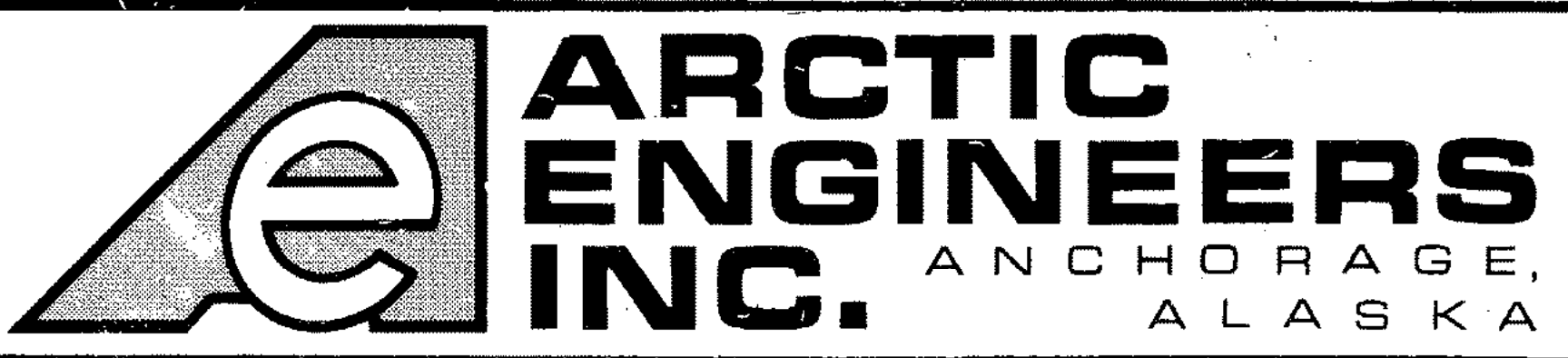
A
 M-8 | M-10
DISTRIBUTION BOX ISOMETRIC



B
 M-8 | M-10
DISTRIBUTION BOX DIAGRAM



C
 M-8 | M-10
SECTION



PROJECT NO. 86-010-02
DESIGNED : BT
DRAWN : WAP
CHECKED : PH
DATE : FEB 24, 1987
SCALE : AS NOTED

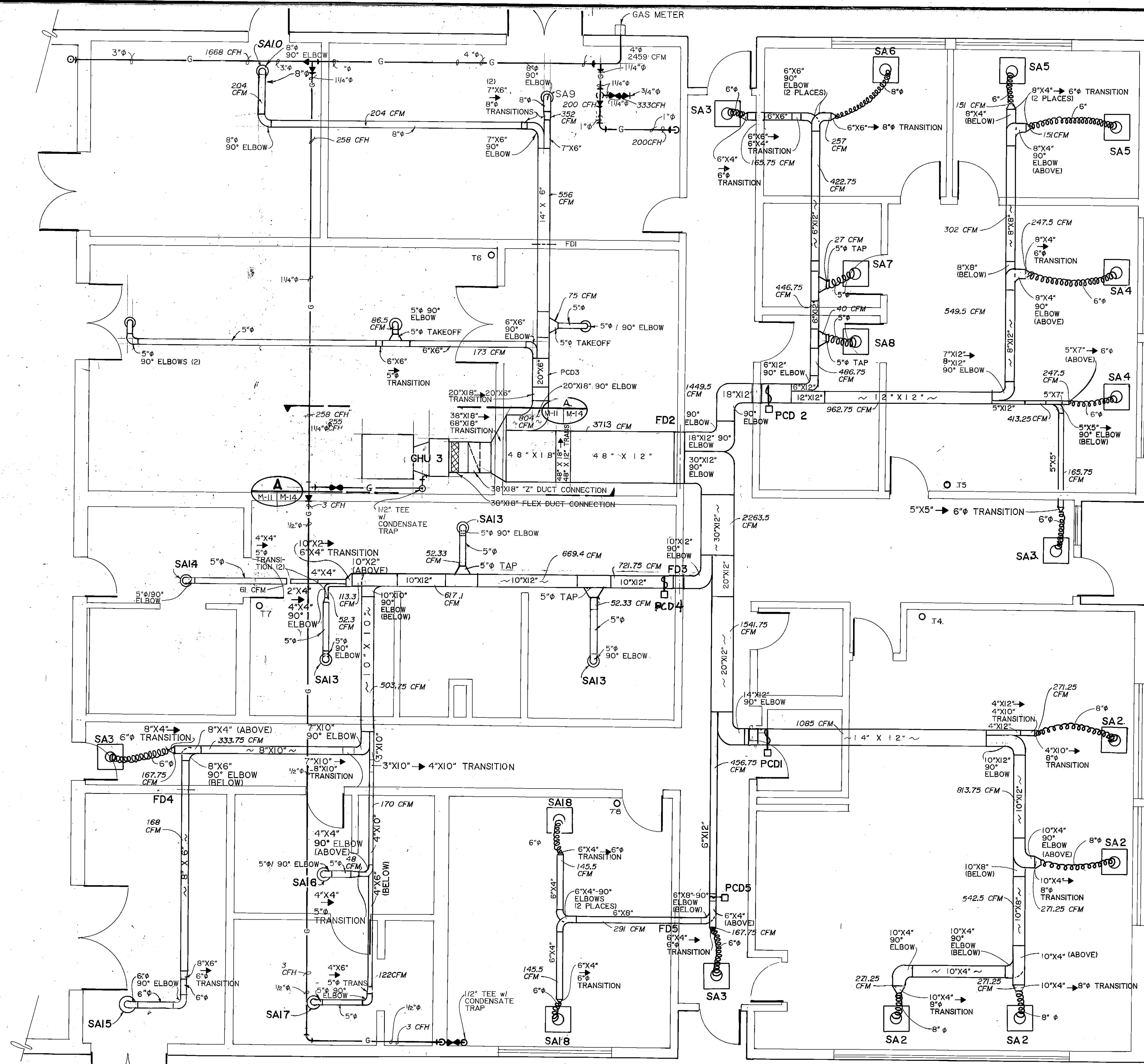
NO.	REVISION	DATE	BY



SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility
MAINTENANCE / ADMINISTRATION BUILDING
SLAB HEATING, BOILER ROOM -
SECTIONS & DETAILS

M 10
 SHEET 67 OF 85

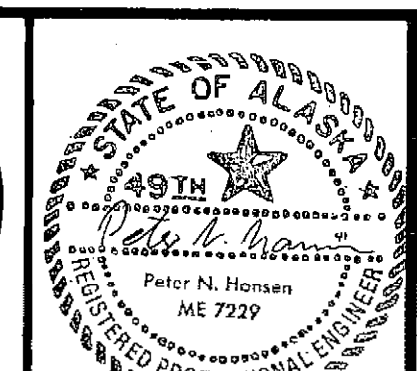
M-11
ADMIN. SUPPLY
HEATING & VENT.



ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
 DESIGNED : RUH
 DRAWN : bh
 CHECKED : PH
 DATE : FEB 24, 1987
 SCALE : 1/4" = 1'-0"

NO.	REVISION	DATE	BY

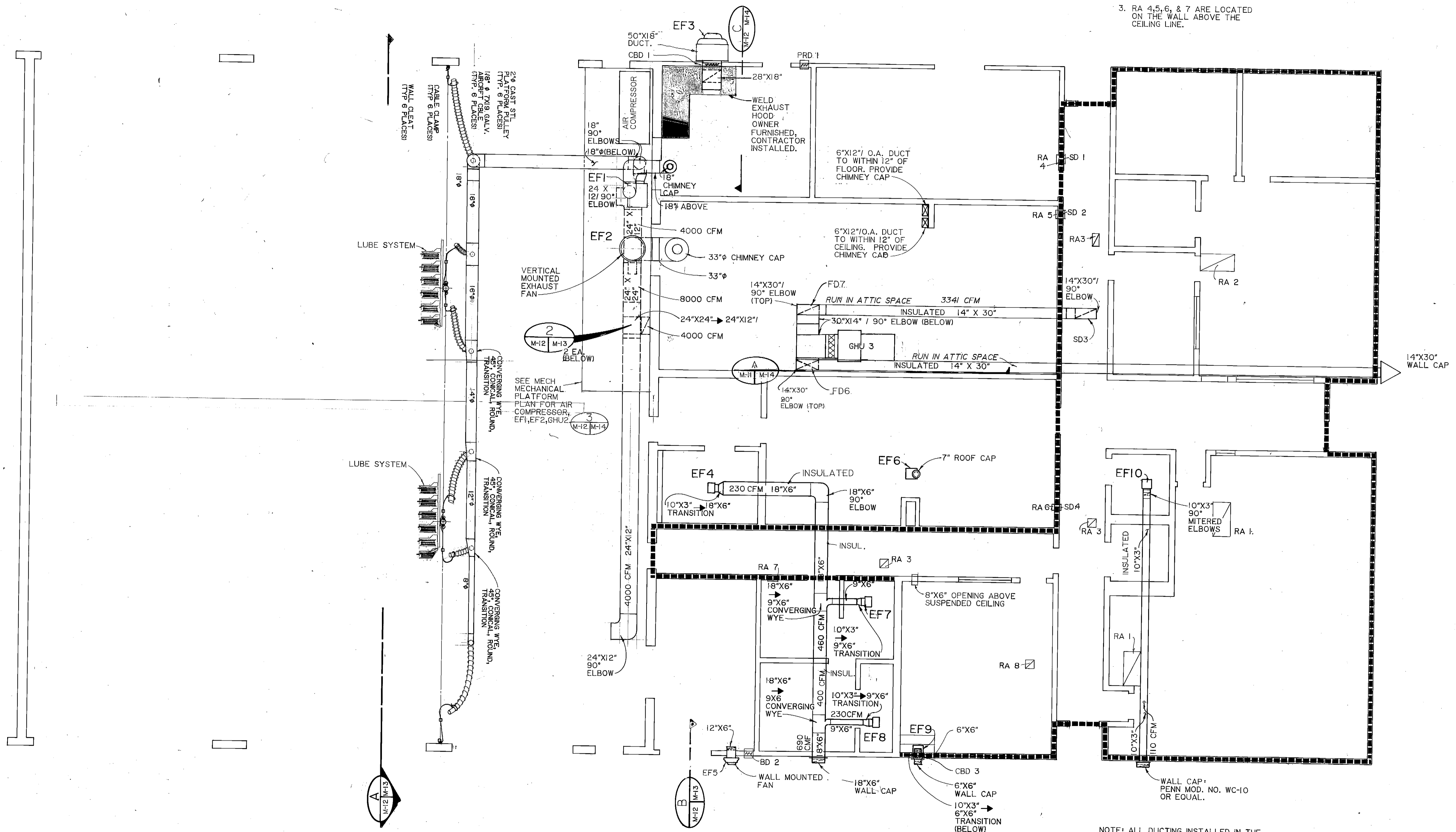


SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
 ADMINISTRATION BUILDING
 SUPPLY HEATING & VENTILATING

M-12
 MAINT/ADMIN BLDG
 EXHAUST VENT PLAN

NOTES:

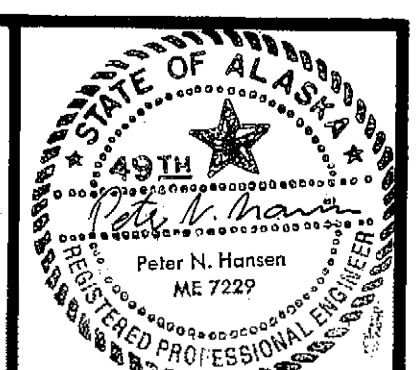
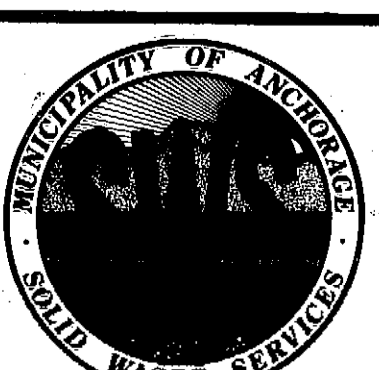
- ALL DUCTING INSTALLED IN THE ATTIC SPACE MUST BE INSULATED FOR ITS ENTIRE LENGTH.
- RA 1, 2, 3, & 8 ARE LOCATED IN THE CEILING
- RA 4, 5, 6, & 7 ARE LOCATED ON THE WALL ABOVE THE CEILING LINE.
- SD3 IS LOCATED AT THE TRUSS BOTTOM CHORD LINE.
- RETURN AIR PLENUM ABOVE CEILING



ARCTIC ENGINEERS INC.
 ANCHORAGE, ALASKA

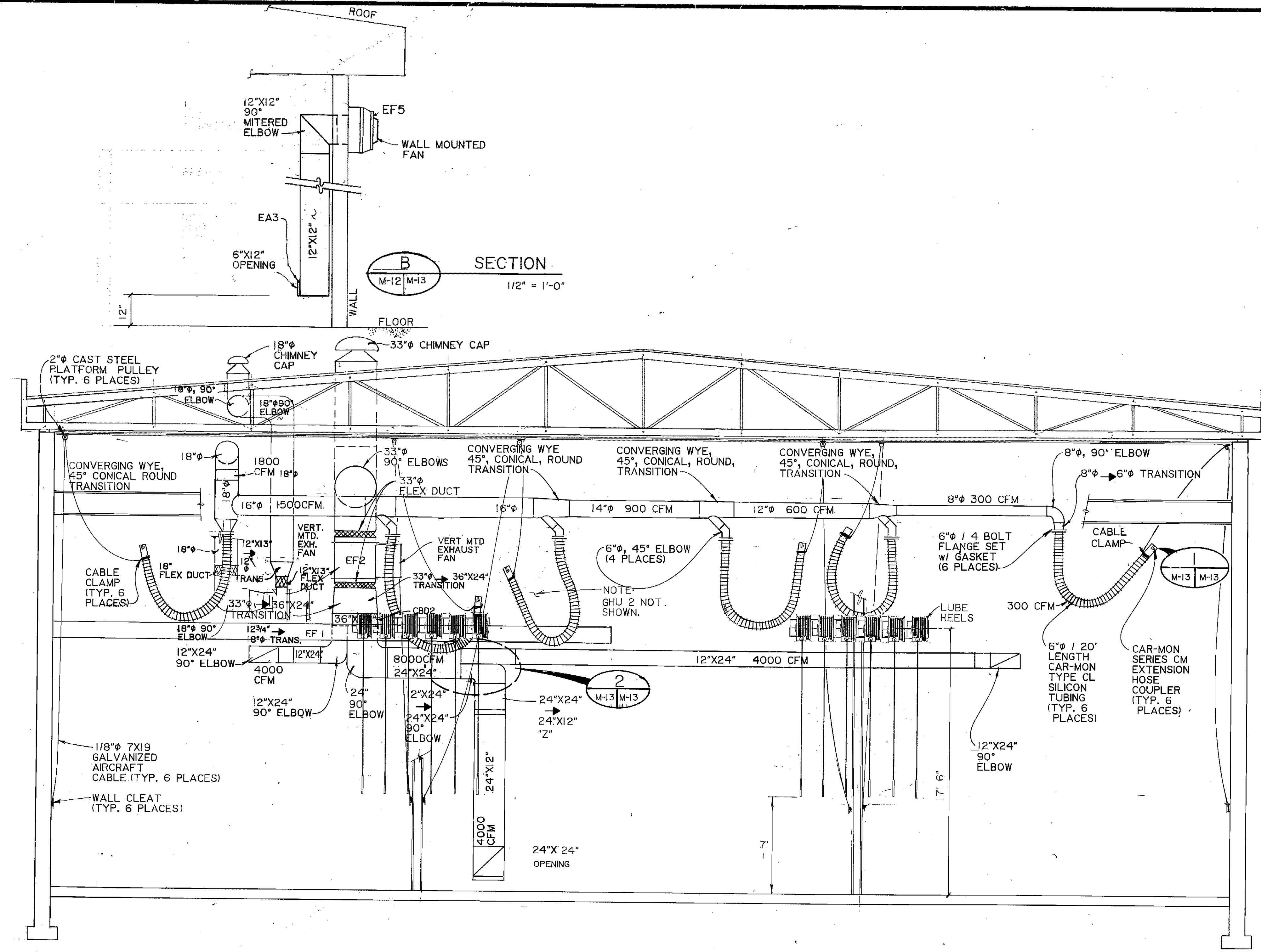
PROJECT NO. 86-010-02 MOA
 DESIGNED: R.J.H.
 DRAWN: VMS VMS, bh
 CHECKED: PH
 DATE: FEB 24, 1987
 SCALE: 3/16" = 1'-0"

NO.	REVISION	DATE	BY

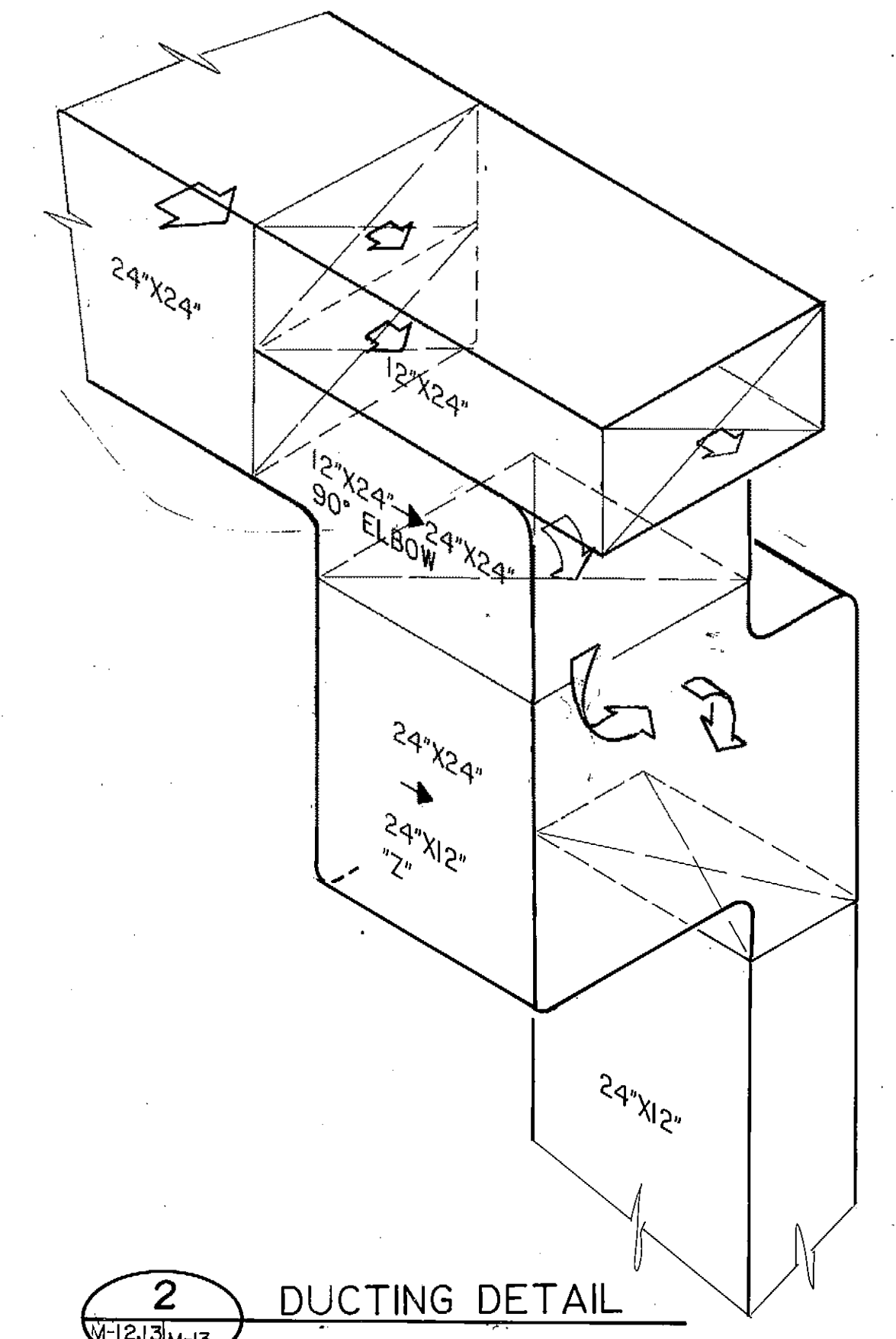


SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
 RETURN AIR & EXHAUST VENTILATION PLAN

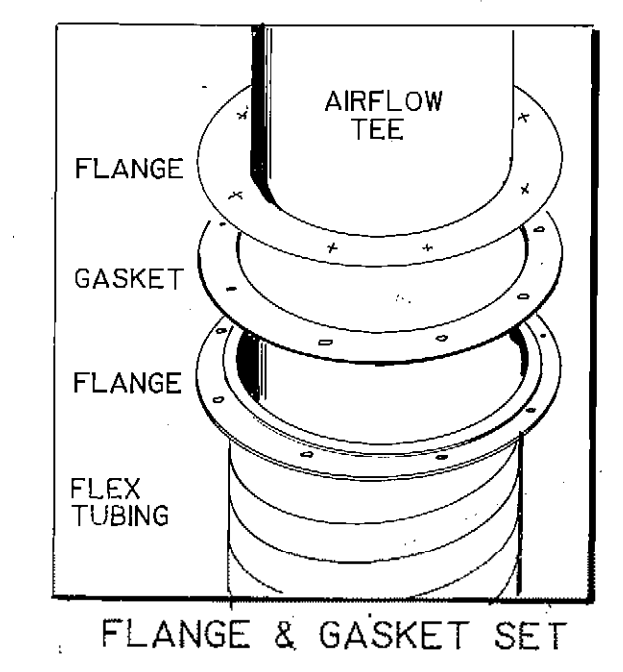
L-6F, MAINT/ADMIN BLDG HEATING & VENT. SECTIONS & DETAILS M-13



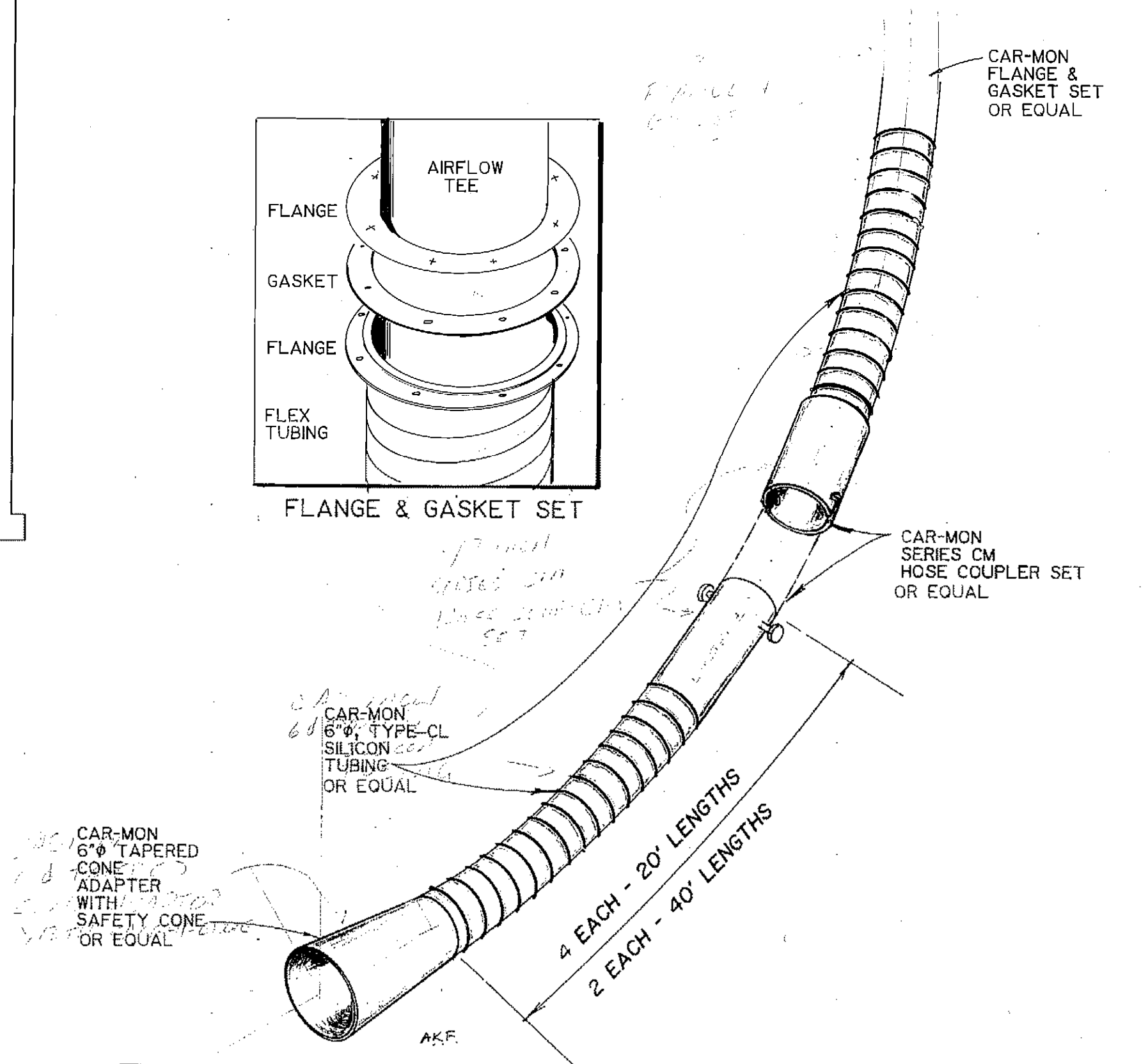
EXHAUST VENTILATION & LUBE SECTION
 SECTION A
 M-12 M-13
 1/4" = 1'-0"



DUCTING DETAIL
 SECTION 2
 M-12 M-13
 1" = 1'-0"



FLANGE & GASKET SET



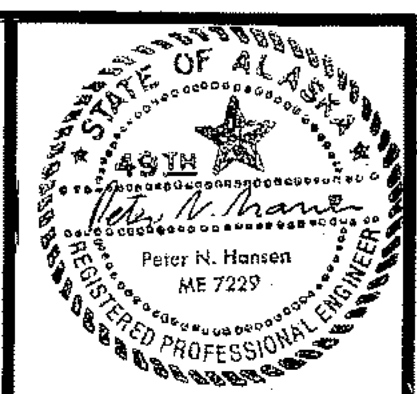
EXTENSION HOSE DETAIL
 SECTION 1
 M-13 M-13

N.T.S.

ARCTIC ENGINEERS INC.
 ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
 DESIGNED: RJH
 DRAWN: AKF/bh
 CHECKED: PH
 DATE: FEB 24, 1987
 SCALE: AS NOTED

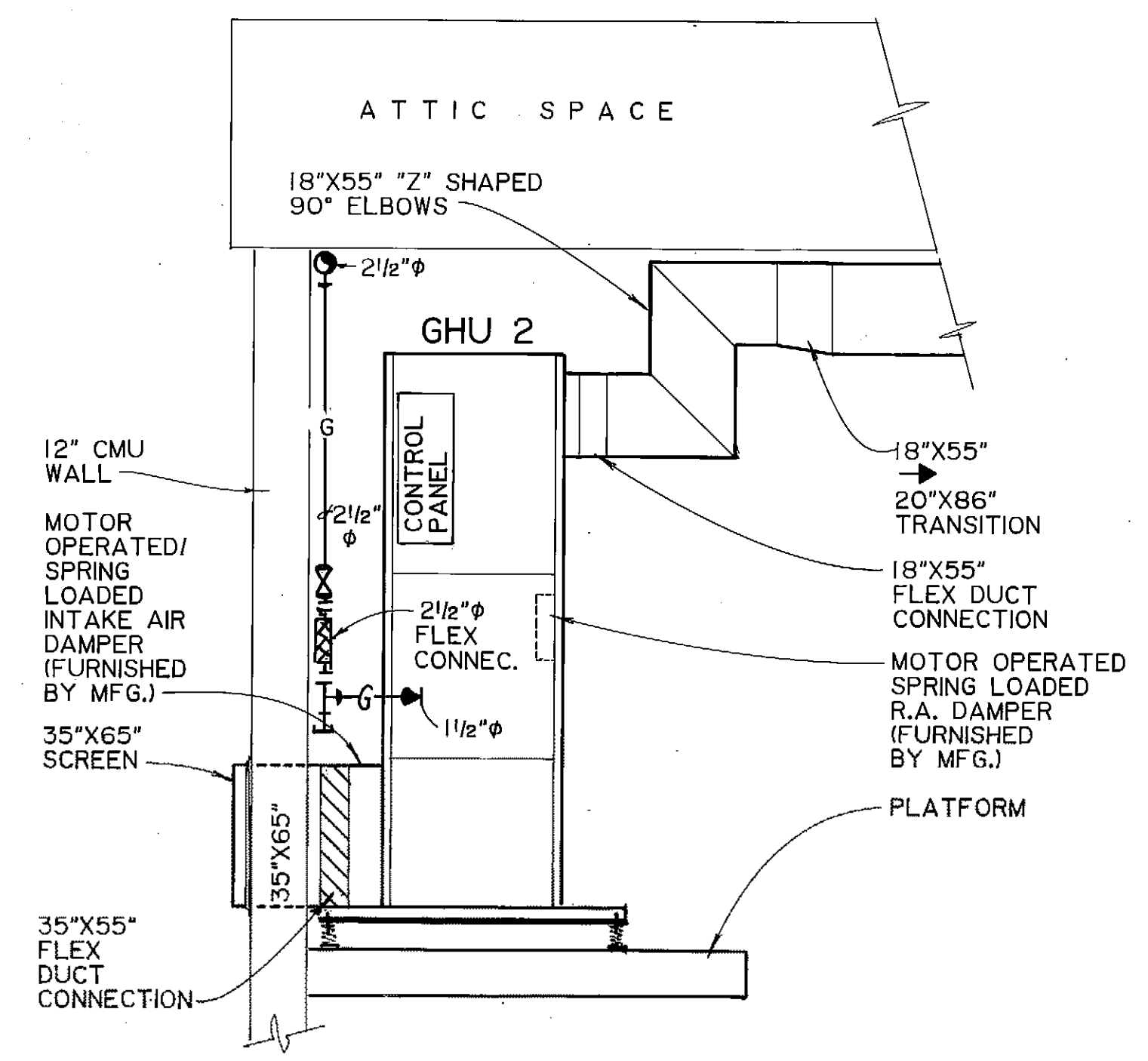
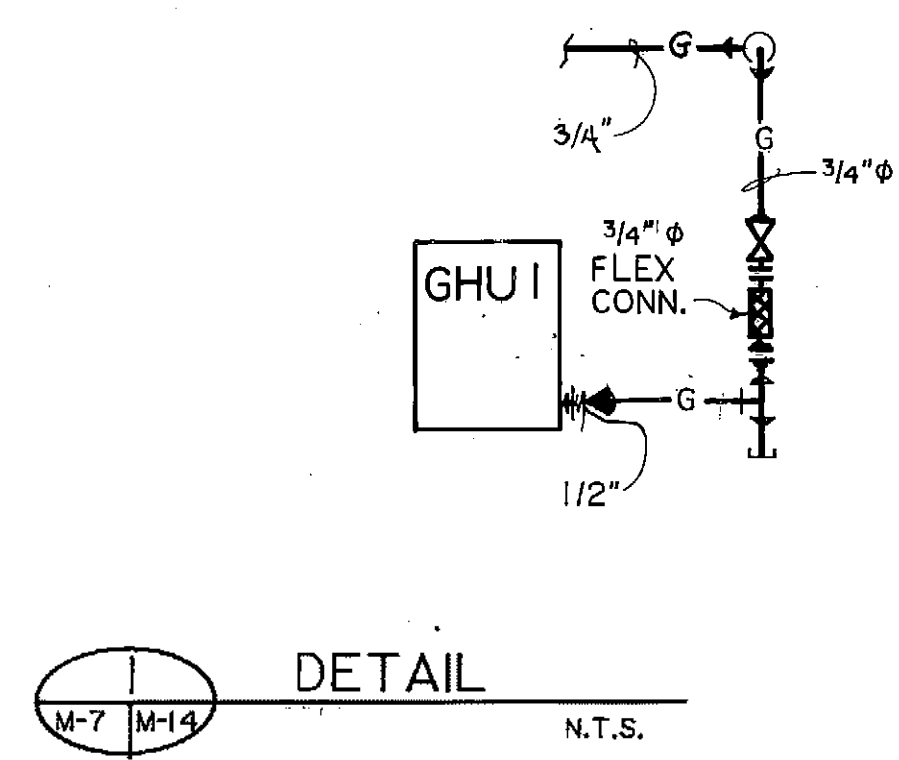
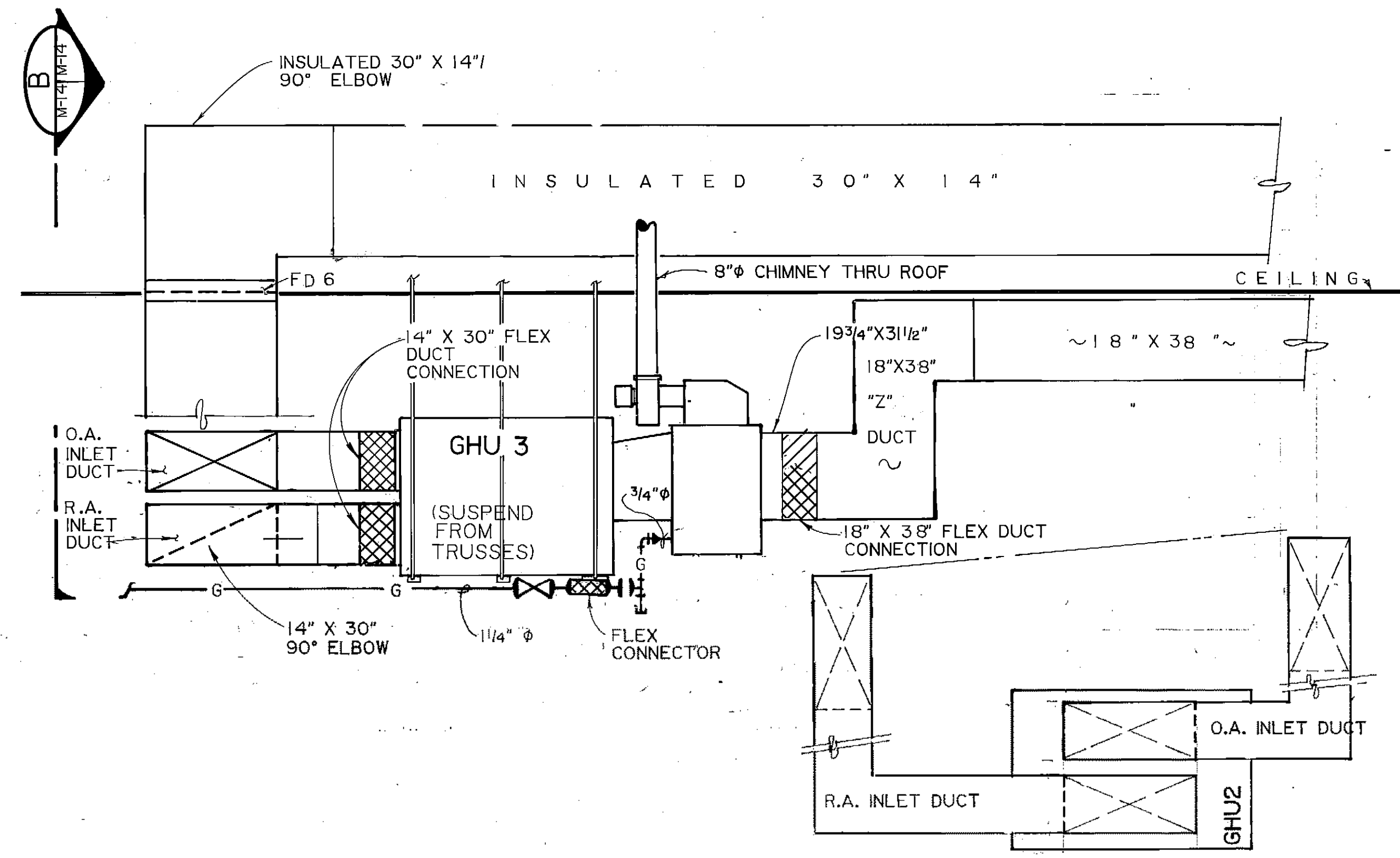
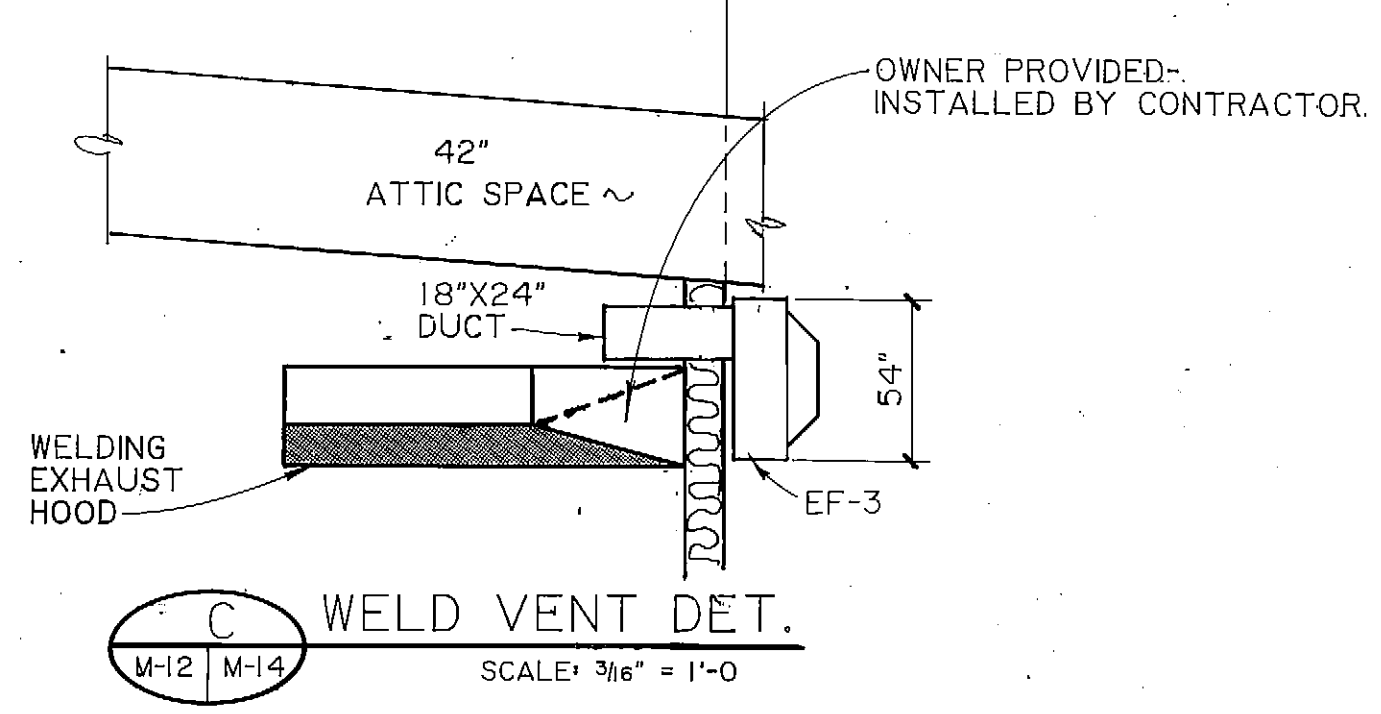
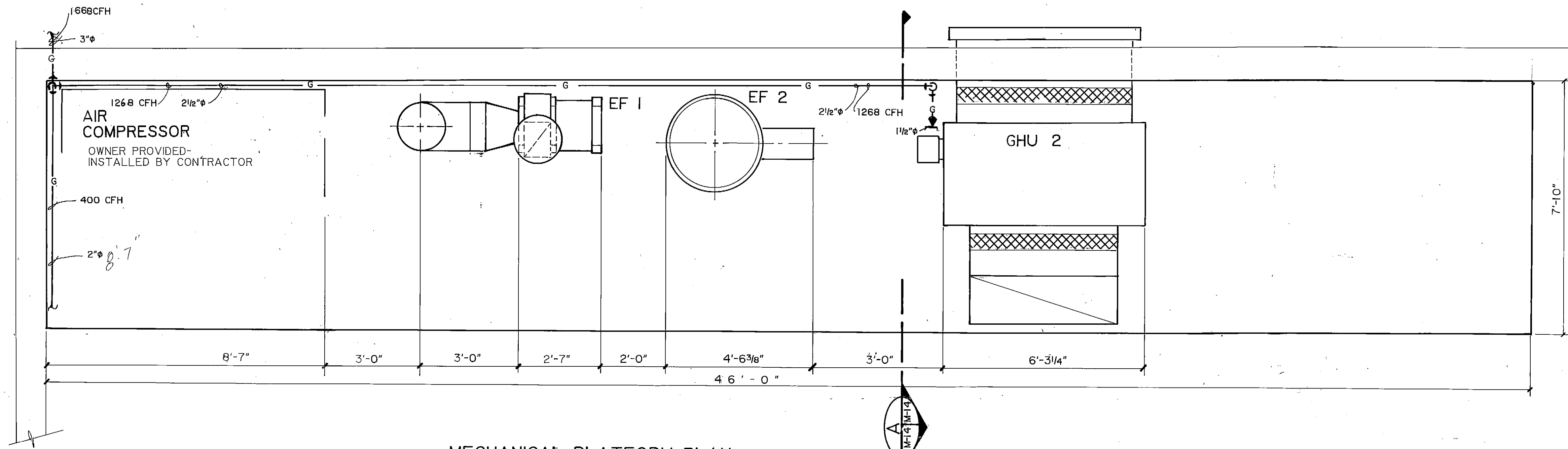
NO.	REVISION	DATE	BY



SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
 MAINTENANCE / ADMINISTRATION BUILDING
 HEATING & VENTILATING SECTIONS, DETAILS

M-13
 SHEET 70 OF 85

MAINT./ADMIN BLDG.
 HEATING & VENT.
 SECTIONS & DETAILS
 M-14



ARCTIC ENGINEERS INC.
 ANCHORAGE, ALASKA

PROJECT NO. 86-010-02 MOA
 DESIGNED: R.J.H.
 DRAWN: bh
 CHECKED: PH
 DATE: FEB 24, 1987
 SCALE: AS NOTED

NO.	REVISION	DATE	BY



SOLID WASTE TRANSFER FACILITIES
 Landfill Entrance Facility
MAINTENANCE / ADMINISTRATION BUILDING
HEATING & VENTILATING SECTIONS & DETAILS

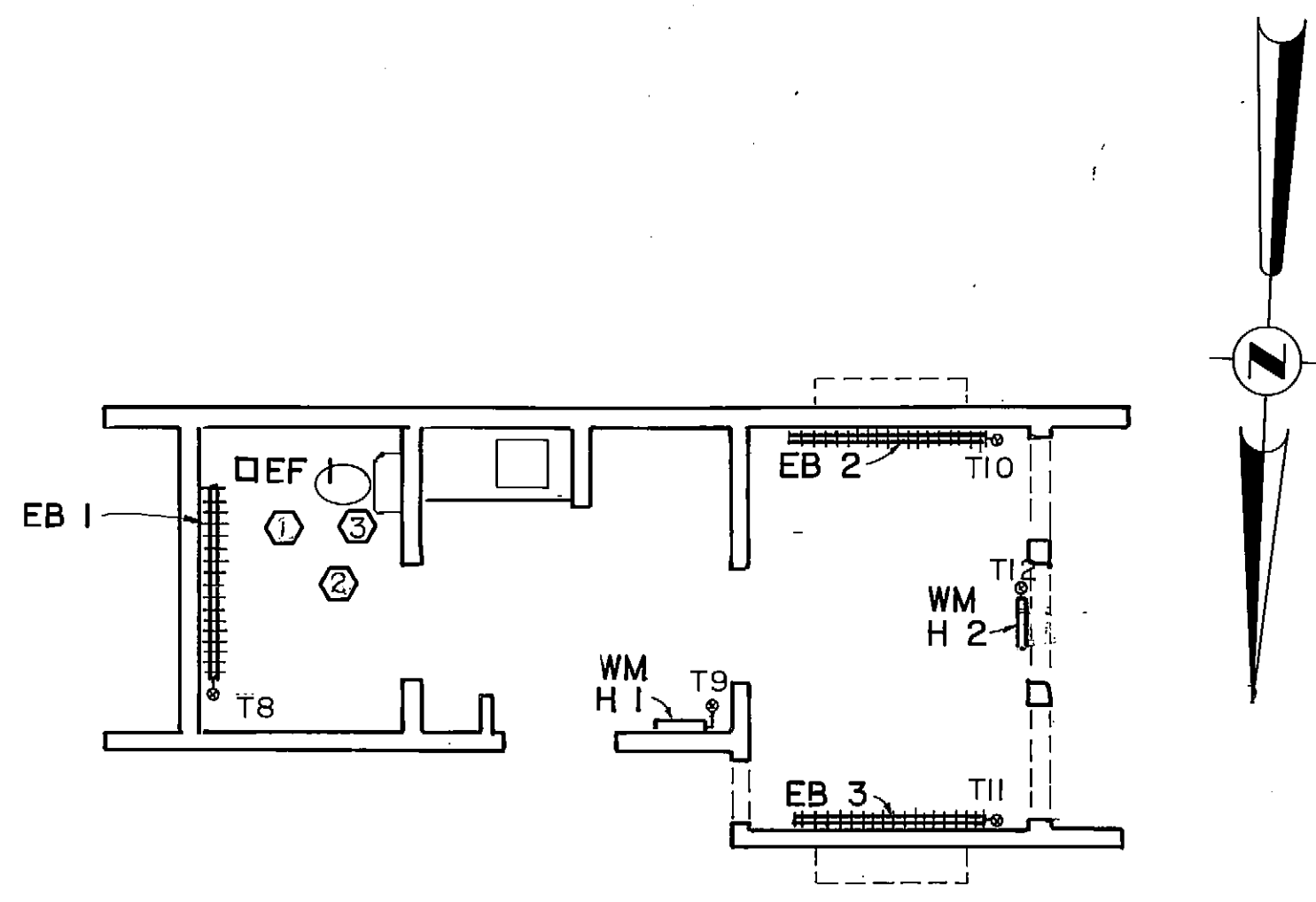
LET SCALE HOUSE PLUMBING PLAN & ISOMETRICS M-15

- NOTES:
- 1 WATER HEATER IS TO BE PLACED ON RACK w/ DROP PAN & DRAIN. RACK WILL BE MOUNTED ON THE WALL ABOVE THE WATER CLOSET.
 - 2 RUN EXHAUST AIR 3" Ø DUCT THROUGH CEILING JOIST TO THE OUTSIDE WALL & INSULATE.
 - 3 FAN IS TO BE INTERCONNECTED w/ BATHROOM LIGHT AND BE CONTROLLED BY A TIME SWITCH. SEE ELECTRICAL PLAN, E-.

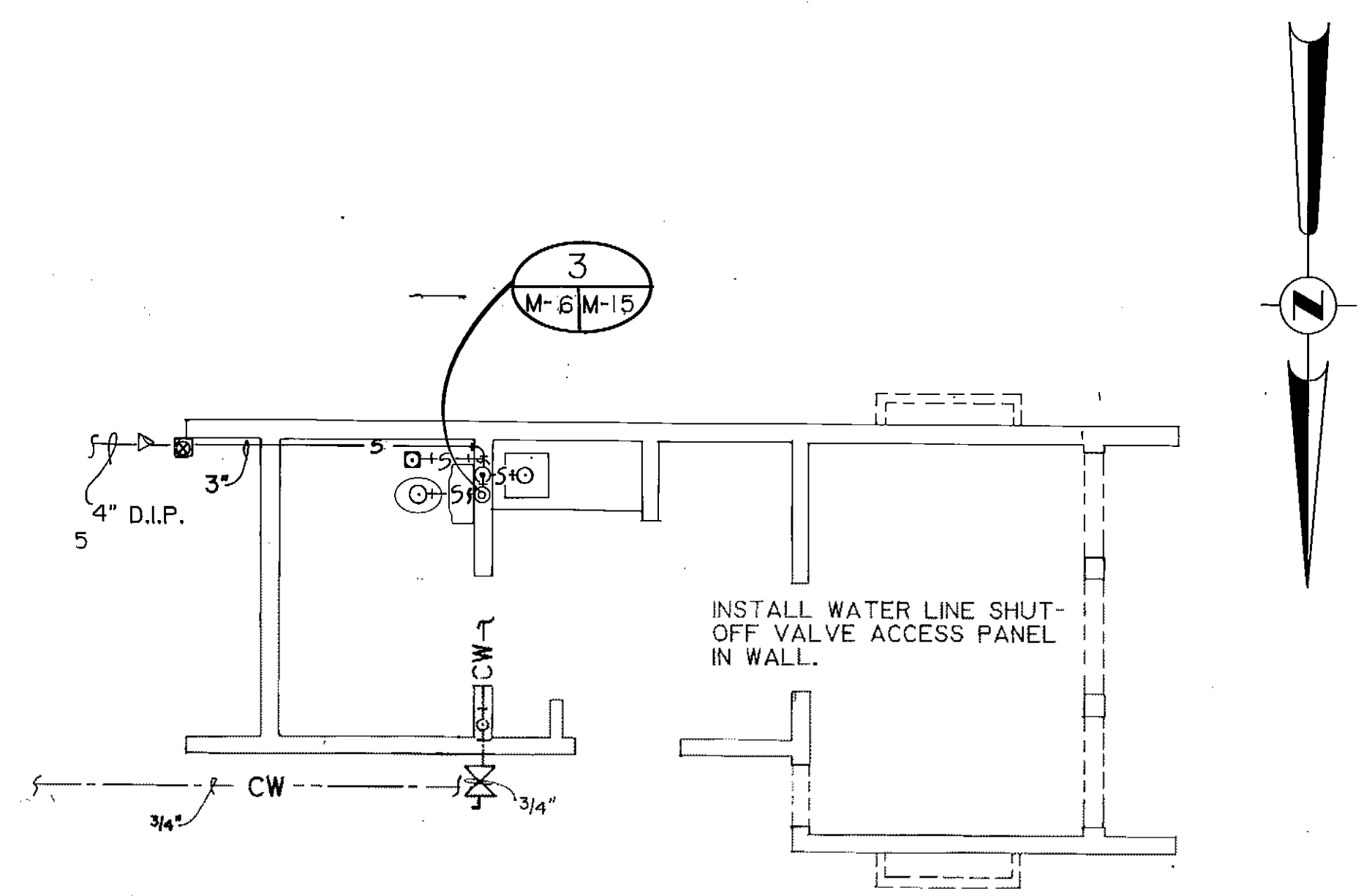
ELECTRICAL HEATING FIXTURES									
MARK	TYPE	MANUFACTURER	MODEL NUMBER	ACCESSORIES	VOLTS	WATTS	B.T.U./H. OUTPUT	LENGTH	CONTROL
EB 1	BASEBOARD	SINGER	9720-F	CAT#9926	120	1270	4265	60"	T8
EB 2	BASEBOARD	SINGER	9720-B	CAT#9926	120	750	2560	40"	T10
EB 3	BASEBOARD	SINGER	9720-B	CAT#9926	120	750	2560	40"	T11
WMH1	WALL MOUNTED	SINGER	5990-P	CAT#8754	120	1500	5122	13 1/4"	T9
WMH2	WALL MOUNTED	SINGER	5990-P	CAT#8754	120	1500	5122	13 1/4"	T12

FAN SCHEDULE									
MARK	TYPE / VOLTS	MOD.	MOD. #	SERVICE	C.F.M.	STATIC PRESS.	WHEEL DIA.	CONTR. DEVICE	NOTES
EF 1	CEILING MTD. 120V	NUTONE	8832	REST ROOM EXHAUST	80	N/A	N/A	N/A	-

PLUMBING FIXTURES										
MARK	NO. REQ'D	GENERAL FIXTURE DESCRIPTION	SUPPLY PIPING			DRAINAGE				MTG. HEIGHT
			COLD WATER	HOT WATER	TEMPERED	OUTLET	TRAP	FLO. DRAIN	DIRECT WASTE	
P 1	1	WATER CLOSET	1/2"	1/2"	1/2"	3"	3"	3"	3"	FL
P 2	1	WASH BASIN	1/2"	1/2"	-	2"	2"	3"	1 1/2"	3"
P 3	1	FLOOR DRAIN	-	-	-	2"	2"	3"	1 1/2"	FL
P 4	1	DRIP PAN @ DRAIN	-	-	-	2"	2"	3"	1 1/2"	-

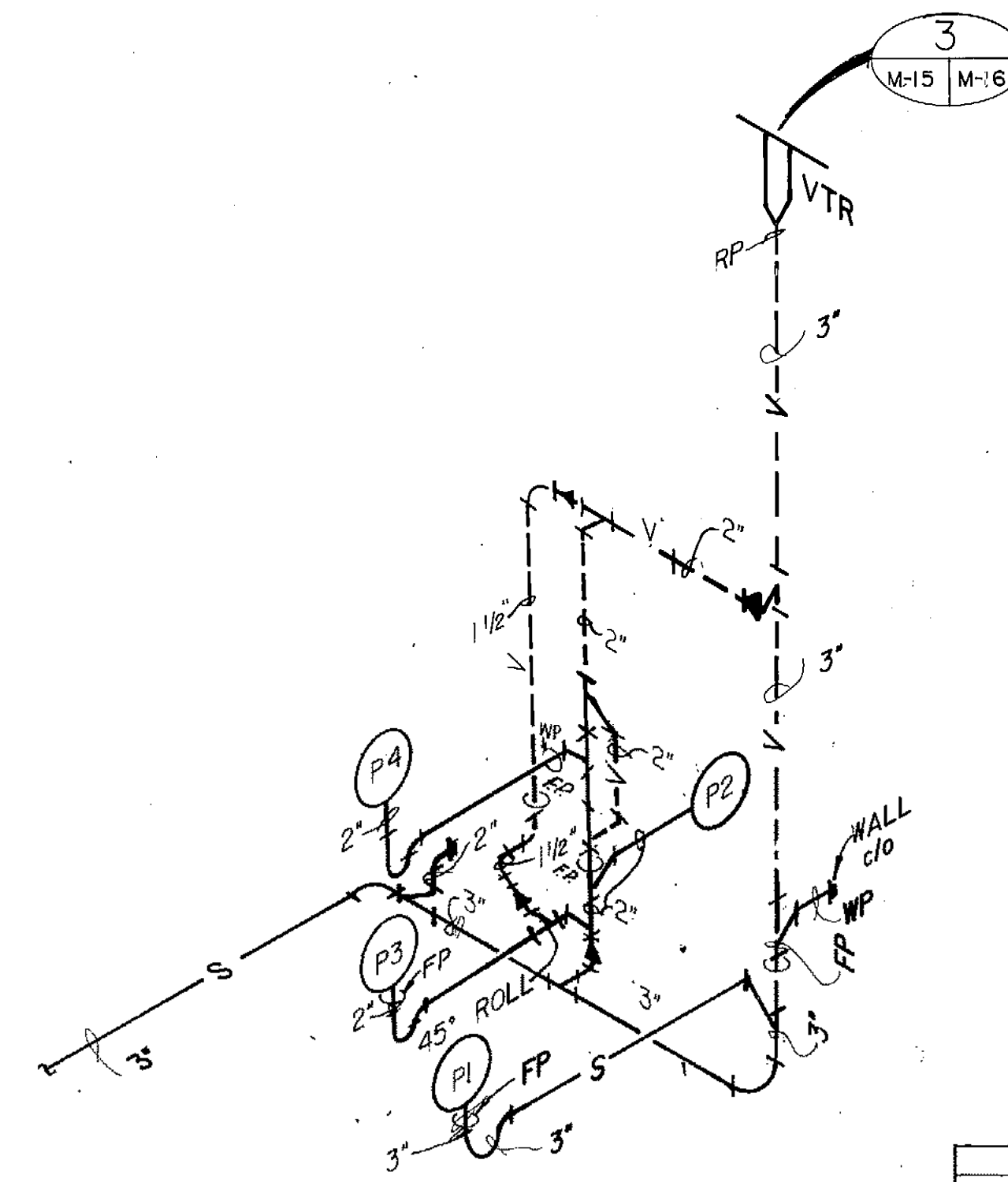


SCALE HOUSE - HEATING PLAN
NTS



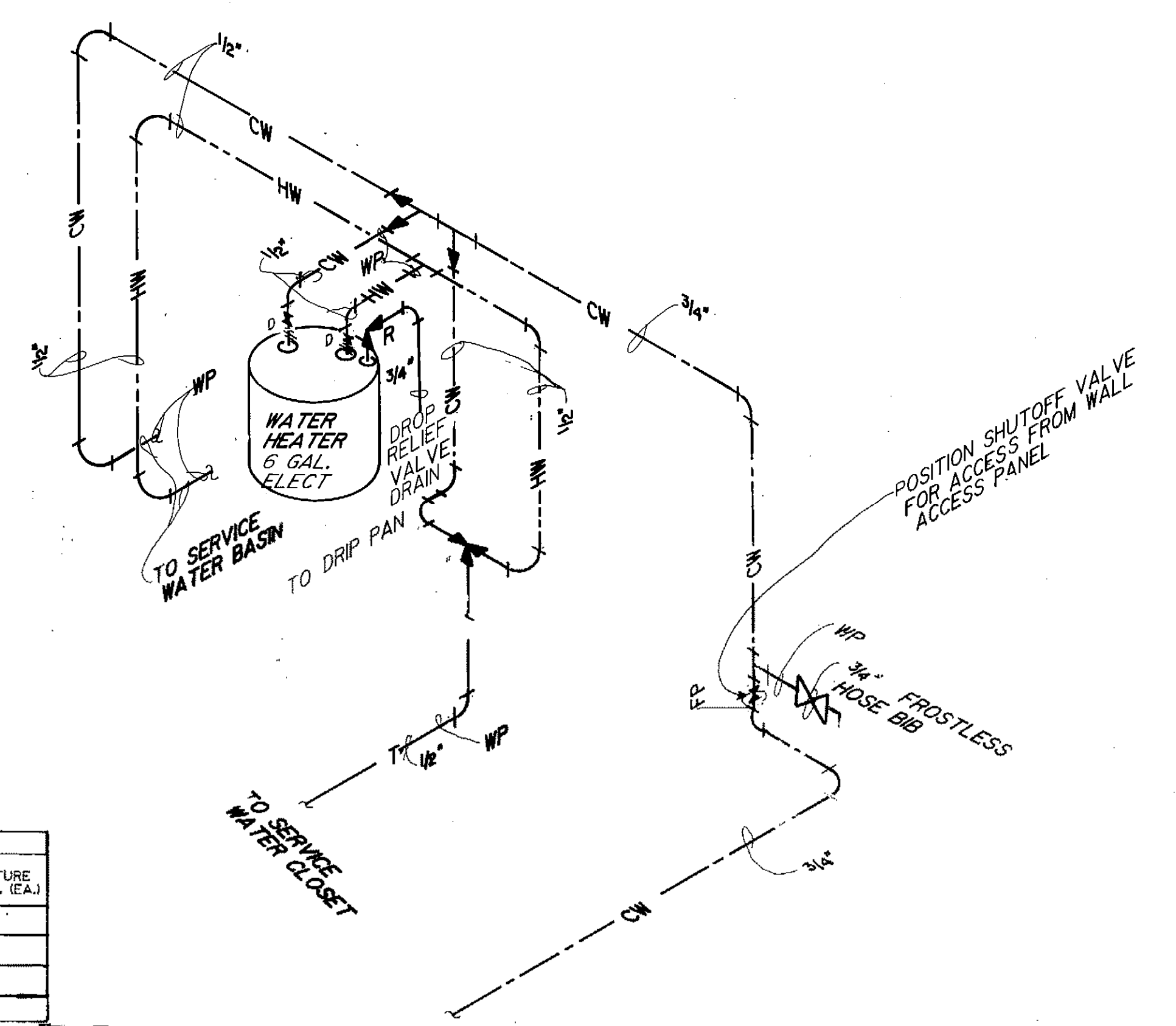
NOTE: WATER HEATER MOUNTED ABOVE TOILET ON WALL.

SCALE HOUSE - PLUMBING PLAN
1/4" = 1'-0"



KEY		
MARK	DESCRIPTION	FIXTURE UNITS, (EA.)
P1	WATER CLOSET	6
P2	WASH BASIN	1
P3	FLOOR DRAIN	2
P4	DRIP PAN & DRAIN	2

SCALE HOUSE - DRAIN WASTE & VENT PIPING
NTS

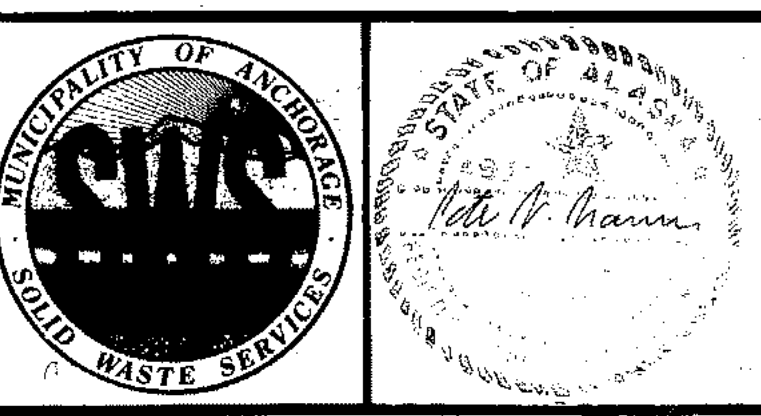


SCALE HOUSE - WATER LINES
NTS

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

PROJECT NO. 86-010-02MOA
 DESIGNED: RJH
 DRAWN: KLA, bh
 CHECKED: PH
 DATE: FEB 24, 1987
 SCALE: AS NOTED.

NO.	REVISION	DATE	BY



SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility
SCALE HOUSE
 PLUMBING PLANS & ISOMETRICS

PLUMBING FIXTURES

MARK	NO. REQ'D.		SUPPLY PIPING			DRAINAGE					MOUNTING HEIGHT	NOTES
			COLD WATER	HOT WATER	TEMPERED	OUTLET	TRAP	FIX DRAIN	DIRECT WASTE	VENT		
P1	2	SAND TRAP/FLOOR DRAIN	-	-	-	6"	6"	6"	6"	-	FL.	1.
P2	1	EMERGENCY SHOWER/EYEWASH STATION	3/4"	3/4"	3/4"	6"	6"	6"	6"	-	FL.	1.
P3	4	FLUSH VALVE WATER CLOSET	3/4"	3/4"	3/4"	3"	3"	3"	3"	2"	31"	1.
P4	11	FLOOR DRAIN	-	-	-	2"	2"	2"	2"	2"	FL.	1.
P5	3	WASH BASIN	1/2"	1/2"	-	2"	2"	2"	2"	2"	31"	1.
P6	2	SERVICE SINK	1/2"	1/2"	-	2"	2"	2"	2"	2"	31"	1.
P7	1	DRINKING FOUNTAIN	1/2"	-	-	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	FL.	1.
P8	3	SHOWER DRAIN	1/2"	1/2"	-	2"	2"	2"	2"	2"	31"	1.
P9	3	FLUSH VALVE URINAL	3/4"	3/4"	3/4"	2"	2"	2"	2"	2"	31"	1.
P10	1	WASH STATION	3/4"	3/4"	3/4"	2"	2"	2"	2"	2"	FL.	1.

GAS HEATING UNITS

UNIT No.	SUPPLY FAN			HEATING CAPACITY (INPUT) (MBTUH)	HEATING CAPACITY (OUTPUT) (MBTUH)	O.A. C.F.M.	MAX. UNIT F.L.A.	MFR.	MODEL No.	LOCATION	ACCESSORIES	CONTROL DEVICES	NOTES
	C.F.M.	EXTERNAL S.P.	MOTOR										
GHU1	1230	F.A.	1/15 HP/1050 RPM	100	76	-	2.2	HASTINGS	GF-100	SUSPENDED FROM WARM STORAGE CEILING	NONE	T1	
GHU2	12000	1.5" W.G.	7.5 HP	1268	1268	100% O.A. CAPABILITY	36.5	HASTINGS	SBD-215-12-1268	MAINTENANCE SHOP PLATFORM	VUR-2 DISCHARGE	T2	7.
GHU3	4517	2.0" W.G.	3 HP/1000 RPM	255	198.9	-	-	HASTINGS	IHFA-255-FP	PENTHOUSE	NONE	-	5.
GHU4	-	-	-	333	266.4	-	-	RAYPAK	RAYTHERM 333	BOILER ROOM	NONE	-	

DAMPERS

MARK	SIZE	TYPE/SERVICE	MFR.	MODEL No.	ACCESSORIES	S.P.	CONTROL DEVICE	NOTES
PCD1	14"x12"	PNEUMATIC CONTROL DAMPER	RUSKIN	CD45/PB-FBR	PNEUMATIC CONTROL DIAPHRAGM	N/A	T4	
PCD2	18"x12"	PNEUMATIC CONTROL DAMPER	RUSKIN	CD45/PB-FBR	PNEUMATIC CONTROL DIAPHRAGM	N/A	T5	
PCD3	20"x6"	PNEUMATIC CONTROL DAMPER	RUSKIN	CD45/PB-FBR	PNEUMATIC CONTROL DIAPHRAGM	N/A	T6	
PCD4	10"x12"	PNEUMATIC CONTROL DAMPER	RUSKIN	CD45/PB-FBR	PNEUMATIC CONTROL DIAPHRAGM	N/A	T7	
PCD5	6"x12"	PNEUMATIC CONTROL DAMPER	RUSKIN	CD45/PB-FBR	PNEUMATIC CONTROL DIAPHRAGM	N/A	T8	
FD1	14"x6"	FIRE DAMPER	PHILLIPS-AIRE	S2.14Wx6H	NONE	N/A	N/A	
FD2	48"x12"	FIRE DAMPER	PHILLIPS-AIRE	S2.48Wx12H	NONE	N/A	N/A	
FD3	10"x12"	FIRE DAMPER	PHILLIPS-AIRE	S2.10Wx12H	NONE	N/A	N/A	
FD4	8"x6"	FIRE DAMPER	PHILLIPS-AIRE	S2.8Wx6H	NONE	N/A	N/A	
FD5	8"x6"	FIRE DAMPER	PHILLIPS-AIRE	S2.6Wx8H	NONE	N/A	N/A	
FD6	4"x30"	FIRE DAMPERS (2 EACH)	PHILLIPS-AIRE	S2.30Wx14H	NONE	N/A	N/A	
SD1	12"x6"	SMOKE DAMPER	PHILLIPS-AIRE	S1SL.12Wx6H	SMOKE FUSE LINK	N/A	N/A	
SD2	12"x6"	SMOKE DAMPER	PHILLIPS-AIRE	S1SL.12Wx6H	SMOKE FUSE LINK	N/A	N/A	
SD3	18"x24"	SMOKE DAMPER	PHILLIPS-AIRE	S2SL.24Wx18H	SMOKE DETECTOR & FUSE LINK	N/A	N/A	5.
SD4	8"x6"	SMOKE DAMPER	PHILLIPS-AIRE	S1SL.8Wx6H	SMOKE FUSE LINK	N/A	N/A	
CBD2	36"x24"	COUNTER BALANCING DAMPER	RUSKIN	CBD-6	NONE	0.25" W.G.	N/A	
CBD3	6"x6"	COUNTER BALANCING DAMPER	RUSKIN	CBD-6	NONE	0.75" W.G.	N/A	
BD1	12"x12"	BACKDRAFT DAMPER	RUSKIN	CBD-6	NONE	0.25" W.G.	N/A	
BD2	12"x12"	BACKDRAFT DAMPER	RUSKIN	CBD-6	NONE	0.25" W.G.	N/A	
BD3	12"x6"	BACKDRAFT DAMPER	RUSKIN	CBD-6	NONE	0.25" W.G.	N/A	
BD4	24"x16"	BACKDRAFT DAMPER	AM. WARM. & VENT.	IF-33	NONE	0.25" W.G.	N/A	

FAN SCHEDULE

MARK	TYPE/VOLTS	MFR.	MODEL No.	SERVICE	C.F.M.	STATIC PRESSURE	WHEEL DIA.	NOTES
EF1	PLATFORM/110V	CAR-MON	CMB-14	CARBON MONOXIDE EXHAUST	1800	1.25" W.G.	12-1/4"	2.
EF2	VERTICAL DUCT FAN/115-230V	HARTZELL	311-32-WK 3	MAINTENANCE SHOP EXHAUST	12000	0.8" W.G.	32"	3.
EF3	WALL MOUNTED/115-230V	HARTZELL	HWD-80-XB	WELDING HOOD EXHAUST	299	F.A.	N/A	
EF4	CEILING MOUNTED/120V	BROAN	383-H	MEN'S LOCKER ROOM EXHAUST	302	0.2" W.G.	N/A	4.
EF5	VERTICAL WALL MOUNTED/120V	HARTZELL	HWD-80-XB	OIL ROOM EXHAUST	299	0.25" W.G.	N/A	
EF6	CEILING MOUNTED/120V	BROAN	365-V	MEN'S LOCKER ROOM EXHAUST	460	0.1" W.G.	N/A	4.
EF7	CEILING MOUNTED/120V	BROAN	383-H	WOMEN'S RESTROOM EXHAUST	302	0.2" W.G.	N/A	4.
EF8	CEILING MOUNTED/120V	BROAN	383-H	WOMEN'S LOCKER ROOM EXHAUST	309	0.15" W.G.	N/A	4.
EF9	EXHAUST HOOD MOUNTED/120V	THERMADOR	VCK-300-V	LAB EXHAUST	300	1" W.G.	N/A	4.
EF10	CEILING MOUNTED/120V	BROAN	361-H	TOILET ROOM EXHAUST	116	0.33" W.G.	N/A	4.
EF11	ROOF MOUNTED EXHAUSTER/230V	HARTZELL	71-16-PD3	WARM STORAGE EXHAUST	2505	F.A.	16"	11

DIFFUSERS, REGISTERS, & GRILLES

MARK	SIZE	C.F.M.	MFR.	MODEL No.	ACCESSORIES *	DEVICE TYPE			AIR SERVICE		THROW DIRECTION			NOTES
						DIFFUSER	REGISTER	GRILL	SUPPLY	RETURN	EXHAUST	2-WAY	3-WAY	
SA1	14"x20"	1500	KRUEGER	S-880-H	OBD									6,8,9
SA2	9"x9"	271.25	KRUEGER	S-3A	OBD & 8" ADAPTER	●								8,9
SA3	9"x9"	167.75	KRUEGER	S-3A	OBD & 6" ADAPTER	●								6,8,9
SA4	9"x9"	247.5	KRUEGER	S-3A	OBD & 8" ADAPTER	●								6,8,9
SA5	9"x9"	151	KRUEGER	S-3A	OBD & 6" ADAPTER	●								6,8,9
SA6	9"x9"	257	KRUEGER	S-3A	OBD & 8" ADAPTER	●								6,8,9
SA7	6"x6"	27	KRUEGER	S-3A	OBD & 5" ADAPTER	●								6,8,9
SA8	6"x6"	40	KRUEGER	S-3A	OBD & 5" ADAPTER	●								6,8,9
SA9	8"φ	352	KRUEGER	RS I	OBD	●								8
SA10	8"φ	204	KRUEGER	RS I	OBD	●								8
SA11	5"φ	86.5	KRUEGER	RS I	OBD	●								8
SA12	5"φ	75	KRUEGER	RS I	OBD	●								8
SA13	5"φ	52.33	KRUEGER	RS I	OBD	●								8
SA14	5"φ	61	KRUEGER	RS I	OBD	●								8
SA15	6"φ	168	KRUEGER	RS I	OBD	●								8
SA16	5"φ	48	KRUEGER	RS I	OBD	●								8
SA17	5"φ	122	KRUEGER	RS I	OBD	●								8
SA18	6"x6"	145.5	KRUEGER	S-3A	OBD & 6" ADAPTER	●								8,9
RA1	24"x48"	542.5	-	-	LAY-IN EGGRATE									
RA2	24"x48"	1163.5	-	-	LAY-IN EGGRATE									
RA3	12"x12"	223.33	KRUEGER	S-880-H	OBD									
RA4	12"x6"	352	KRUEGER	S-880-H	OBD									
RA5	12"x6"	248	KRUEGER	S-880-H	OBD									
RA6	8"x6"	218	KRUEGER	S-880-H	OBD									
RA7	8"x6"	170	KRUEGER	S-880-H	OBD									
RA8	12"x12"	291	KRUEGER	S-880-H	OBD									
EA1	24"x12"	4000	KRUEGER	S-880-H	OBD									
EA2	24"x24"	4000	KRUEGER	S-880-H	OBD									
EA3	12"x6"	299	KRUEGER	S-880-H	OBD									

* OBD - OPPOSED BLADE DAMPER

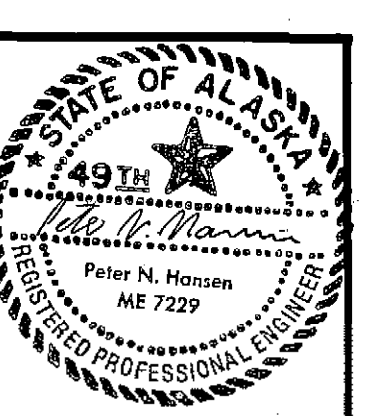
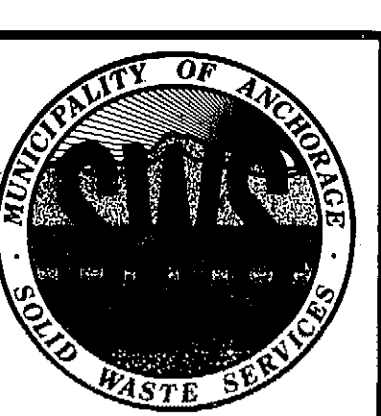
NOTES

1. THIS EQUIPMENT SHALL BE PROVIDED BY PLUMBING CONTRACTOR.
2. WHENEVER EF1 IS ENERGIZED, IT WILL AUTOMATICALLY ENERGIZE EF2. EF1 SHALL BE PROVIDED w/ AN ON/OFF SWITCH LOCATED AS SPEC. BY THE ELEC. ENGR.
3. WHENEVER EF2 IS ENERGIZED, IT AUTOMATICALLY ENERGIZES AND MAINTAINS GHU2 AT ITS HIGH SPEED. EF2 SHALL BE PROVIDED w/ AN ON/OFF SWITCH LOCATED AS SPECIFIED BY THE ELECTRICAL ENGINEER.
4. RESTROOM EXHAUST FANS SHALL BE EQUIPPED WITH BAROMETRIC DAMPERS.
5. SD3 SHALL BE WIRED DIRECTLY TO GHU3 SO THAT WHENEVER SD3 IS ENERGIZED, IT WILL AUTOMATICALLY SHUT DOWN GHU3.
6. DIFFUSERS SHALL BE PROVIDED WITH A STYLE 23 "T"-BAR LAY-IN FRAME.
7. GHU 2 SHALL BE PROVIDED WITH A 2-SPEED MOTOR. THE MOTOR WILL OPERATE AT ITS LOW SPEED, CONTROLLED BY THE ROOM TEMPERATURE SENSED BY T2. WHENEVER EF2 IS ENERGIZED, IT WILL AUTOMATICALLY SET THE MOTOR AT ITS HIGH SPEED.
8. DIFFUSERS SHALL BE SECURELY ATTACHED TO DUCT AND IN TURN, THE DUCT, PROPERLY SUSPENDED FROM CEILING & PAINTED.
9. PROVIDE FIRESTOP FLAP.
10. ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED AS SPECIFIED OR APPROVED EQUAL.
11. ROOF EXHAUST VENTILATORS SHALL BE PROVIDED WITH AN ADEQUATE CAP & BACKDRAFT DAMPERS.

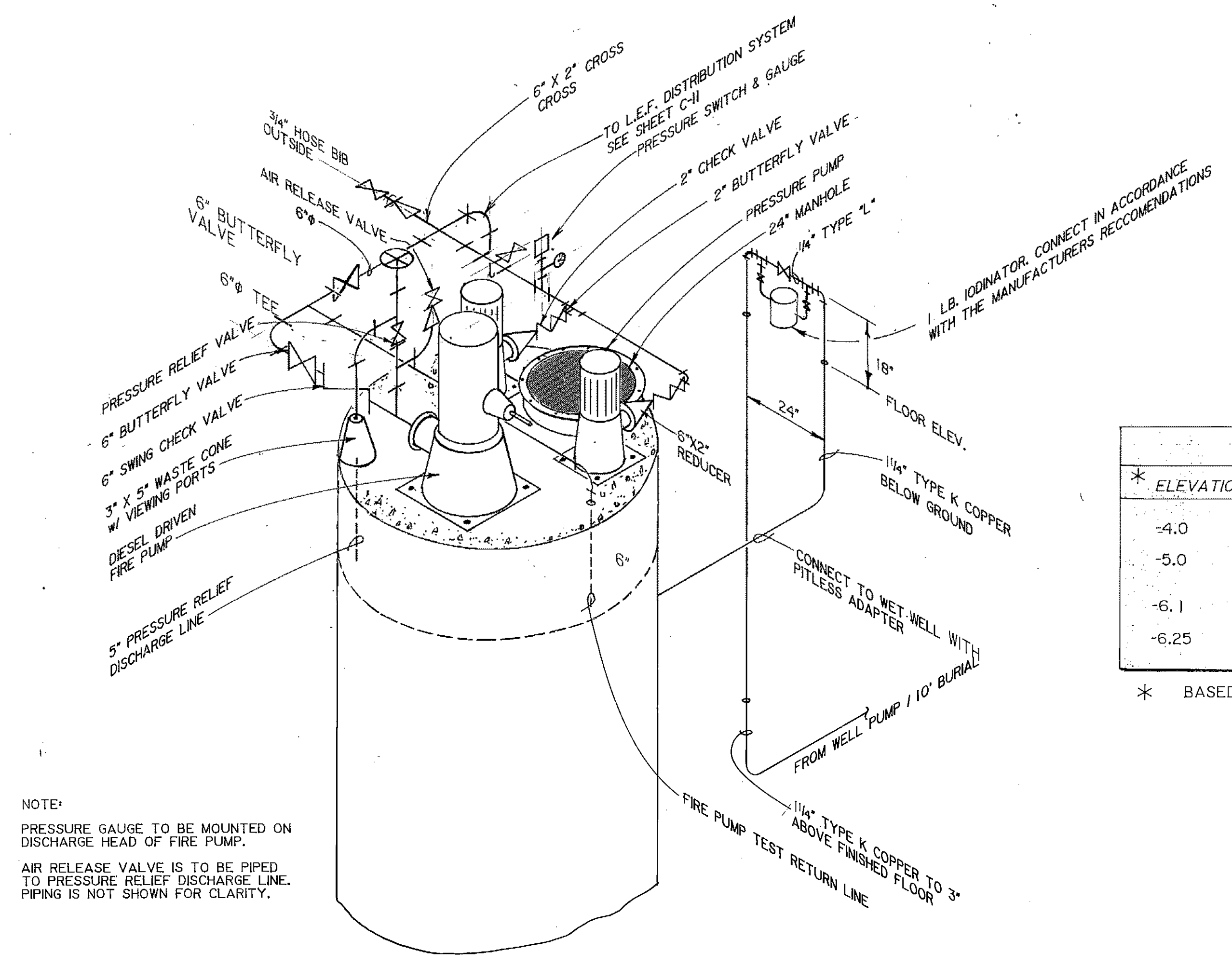
ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO. 86-010-02
 DESIGNED : RJH
 DRAWN : SC, bh
 CHECKED : PH
 DATE : FEB 24, 1987
 SCALE : D.N.A.

NO.	REVISION	DATE	BY



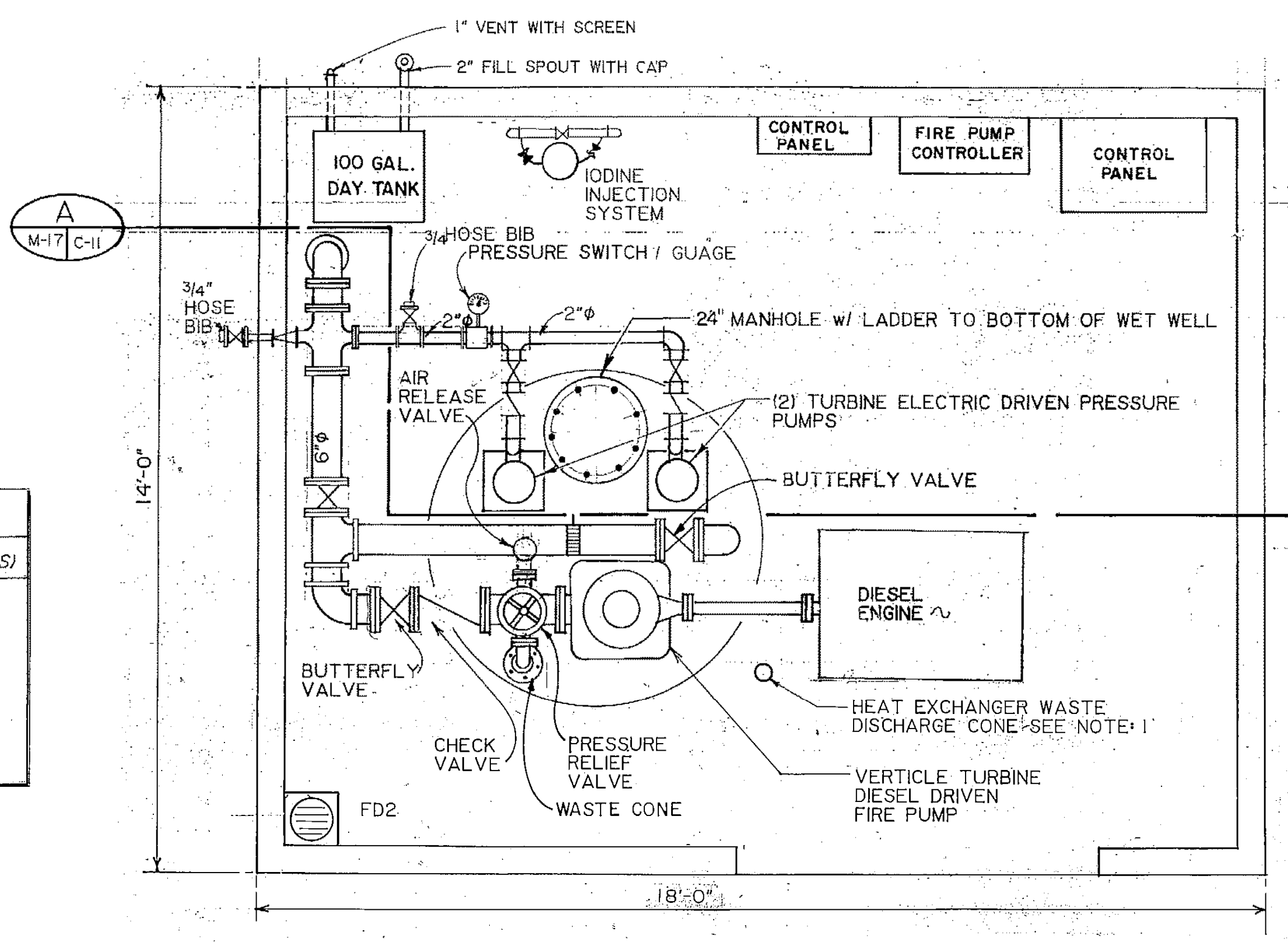
SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
MECHANICAL SCHEDULES



NOTE:
PRESSURE GAUGE TO BE MOUNTED ON DISCHARGE HEAD OF FIRE PUMP.
AIR RELEASE VALVE IS TO BE PIPED TO PRESSURE RELIEF DISCHARGE LINE. PIPING IS NOT SHOWN FOR CLARITY.

PUMP LEVEL CONTROL		
* ELEVATION	OPERATION	VOLUME (GALLONS)
-4.0	WELL PUMP OFF	38,700
-5.0	WELL PUMP ON.	36,800
-6.1	PRESSURE PUMPS ACTIVATE	
-6.25	PRESSURE PUMPS DEACTIVATED	32,900

* BASED ON A PUMP SUPPORT PAD ELEVATION OF 0.0'



PUMP HOUSE BUILDING PLAN
SCALE: 1/2" = 1'-0"

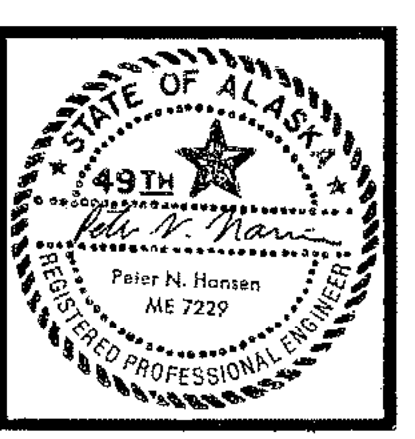
B PUMP HOUSE PIPING ISOMETRIC
SCALE: 1/2" = 1'-0"

NOTES:

1. DIESEL ENGINE HEAT EXCHANGER PIPING IS NOT SHOWN FOR CLARITY.
2. FUEL LINE FROM DAY TANK TO ENGINE IS NOT SHOWN FOR CLARITY.

PROJECT NO. 86-010-02 MOA
DESIGNED: JAG
DRAWN: AKF/bh
CHECKED: WTH
DATE: FEBRUARY 24, 1987
SCALE: AS NOTED


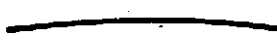
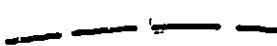
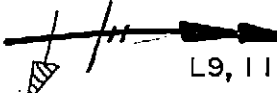


































NO.	REVISION	DATE	BY

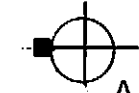
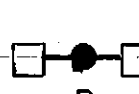
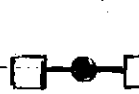

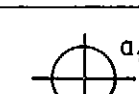
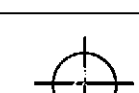
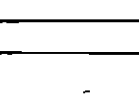
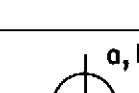


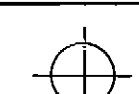
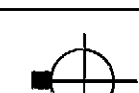
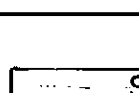

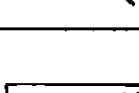
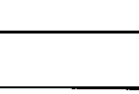
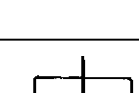
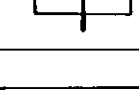
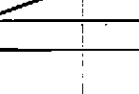

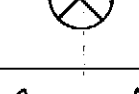
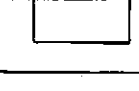




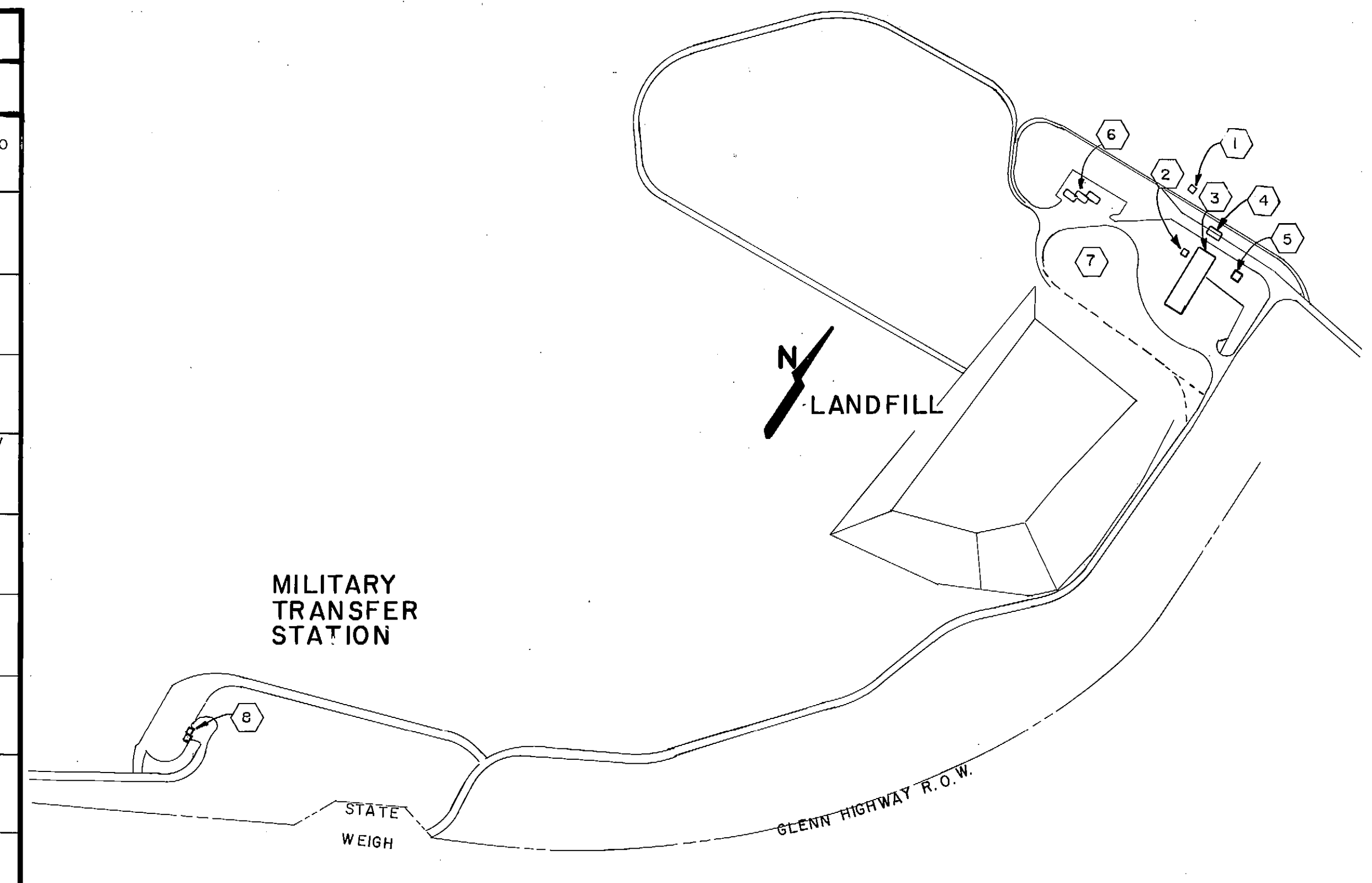
SOLID WASTE TRANSFER FACILITIES
Landfill Entrance Facility
PUMP HOUSE MECHANICAL PIPING

M-17
SHEET 74 OF 85

LEGEND :

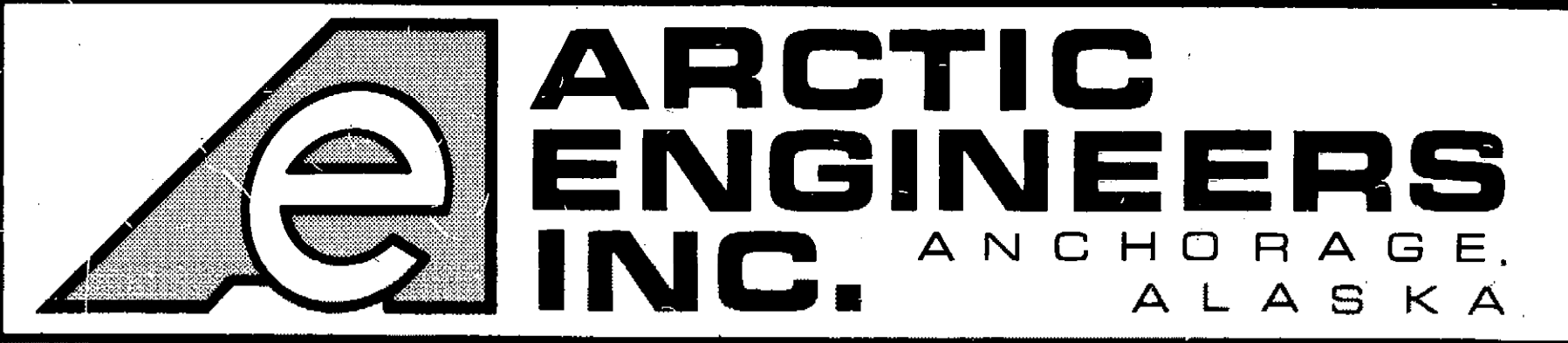
-  FLEXIBLE METALLIC CONDUIT, OR LIGHTING WHIP CONTAINING MINIMUM 2-HOTS, 1 NEUTRAL & 1 GROUND.
-  CONDUIT
-  BURIED CONDUIT
-  HOMERUN TO PANELBOARD L, POLES 9 & 11, SLASHES INDICATE WIRE COUNT, 2 HOT, 1 NEUTRAL AND 1 GROUND. NO SLASHES INDICATE 2-WIRE CIRCUIT. MINIMUM WIRE SIZE IS No. 12 cu (COPPER).
-  PANELBOARD "X"
-  DISCONNECT
-  CONTROL PANEL
-  FIRE ALARM PANEL
-  MAGNETIC MOTOR STARTER
-  MOTOR WITH "X" = hp
-  CONTROLLER
-  HEAT TAPE, 5W/ft., 120V, ARCTIC TRACE BROWN
-  EXHAUST FAN
-  TELEPHONE TERMINAL PANEL
-  TELEPHONE TERMINAL BOARD
-  JUNCTION BOX
-  SPECIAL PURPOSE OUTLET, AS DEFINED,  MOTOR INLET
-  TELEPHONE OUTLET,  DATA OUTLET,  RADIO JACK
-  WMH "X" WALL MOUNTED HEATER No. "X"
-  HEAT DETECTOR,  SMOKE DETECTOR,  PULL STATION
-  ALARM HORN
-  DUPLEX RECEPTACLE, 125V, 20A
-  QUADRAPLEX RECEPTACLE, 125V, 20A
-  GHU "X" GAS HEAT UNIT No. "X"
-  LC LIGHTING CONTACTOR
-  S SINGLE POLE SWITCH, 120/277V, 20A
-  S₃ THREE-WAY SWITCH, 120/277V, 20A
-  WH WATER HEATER
-  MANUAL MOTOR STARTER
-  PC PHOTO CELL
-  PUSHBUTTON SWITCH
-  WP WEATHERPROOF
-  S_c TIMER SWITCH, 15A, 120V, 0-15 MIN.
- SH SPACE HEATER
- AP ALARM PANEL
- X CONDUIT SEAL
- T TIMER

FIXTURE SCHEDULE				
SYMBOL	LAMP/TYPE	DESCRIPTION	MANUFACTURER	REMARKS
	150W HPS	WALLPACK, TAPPED BALLAST, 120/208	LITHONIA TWP 150S -TB	40' POLE, VALMONT DS230-700N389-P2. SPECIFY GALVANIZED, BLACK FINISH, DRILL TO MATCH FIXTURE ARM. SEE SHEET E-9 FOR POLE FOUNDATION DETAIL.
	2 - 400W HPS	ARM MOUNTED SQUARE LUMINAIRES ON 40' SQUARE POLE. 208V	GARDCO EHI923208400WHP5BLA	20' POLE, GARDCO CA420H BLACK FINISH, DRILL TO MATCH FIXTURE ARM. SEE SHEET E-9 FOR POLE FOUNDATION DETAIL.
	2 - 150W HPS	ARM MOUNTED SQUARE LUMINAIRES ON 20' SQUARE POLE. 208V	GARDCO EHI423208150WHP5BLA	
	2 - F40	DAMP LOCATION 4" SURFACE MOUNT, 120V, ABS MOLDED PLASTIC HOUSING	LITHONIA DL 240A 120	
	400W HPS	HIGH BAY, PENDANT MOUNT 120, 208V	LITHONIA THP4005A 17-TB	a=A & B PHASE, b=B & C, c=C & A@208V SET FOR TYPE "M" PHOTOMETRIC. MOUNT 24' AFF.
	3 - 60W A 19	SQUARE CEILING DRUMLIGHT LEXAN DIFFUSER, 120V	PRESCOLITE 7212	
	4 - F40	SURFACE MOUNT, WRAPAROUND 120V, 0°F BALLAST	LITHONIA SC 440A-120 -CW	
	200W HPS	LOW BAY, 120, 208V	LITHONIA TXL2005-TB	a=A & B PHASE, b=B & C, c=A & B@208V MOUNT 17' AFF.
	70W HPS	WALL MOUNT, WET LOCATION W/WIRE GUARD, 120V.	LITHONIA TD 70SNGLA 120-WG	CENTER OVER DOOR
	300W QUARTZ	WET LOCATION, FLOOD, 120V	LITHONIA TQ500 120	PROVIDE WITH 300W T3 QUARTZ LAMP AT SCALE HOUSE, 500W AT MAIN GATE
	100W A 19	SOFFIT MOUNTED WALL WASHER, 120V.	LITHONIA DW6A AR	AIM AT WALL
	75W A 19	WALL MOUNT MODULE, LEXAN DIFFUSER, DAMP LOCATION, 120V	LIGHTOLIER 6620	
	2 - F40	SURFACE MOUNTED, 1 X 4, INJECTION MOLDED WRAPAROUND, 120V	LITHONIA PA240A	
		TRAFFIC LIGHT, 120V		SEE SHEET C-6 FOR LOCATION. PROVIDE 1 1/4" GRC POLE. SUPPLIED BY OWNER. SEE SHEET C-12 FOR POLE FOUNDATION DETAIL.
	2 - F20	UNDER CABINET, SURFACE MOUNT 2', 120V	BENJAMINE CZW-2222-2-S	
	2 - F40	WALL MOUNT, 4', UP-DOWN, 120V	LIGHTOLIER 10478	MOUNT +7' AFF
	150W A 21	9" SQUARE, RECESSED, DAMP LOCATION, TEMPERED GLASS LENSE, 120V	LITHONIA LASH9 C73T	PROVIDE WITH 24" T-BAR HANGERS (-1524 OPTION) WHERE REQUIRED.
	4 - F40	GRID TROFFER, 2' X 4', 120V	LITHONIA 26S 440 A12	TENT FIXTURES, PROVIDE SAFETY CHAIN
	2 - F110	800 ma H. O. BALLAST GENERAL PURPOSE INDUSTRIAL 120V, 0° F BALLAST	LITHONIA EJA296HO -CW	SURFACE MOUNT TO CEILING
	N/A	EXIT SIGN, SELF POWERED	EVERGLO	
	70W HPS	SURFACE MOUNT ASYMMETRIC DISTRIBUTION, 120V	LITHONIA TD70SNGLA 120	
	50 W HPS	SURFACE MOUNT W/WIRE GUARD AND SURFACE EXTENSION RING, 120V	LITHONIA TWL 50SN LP 120 WITH TWLEP & TWLWG	WALL MOUNT
	150 W HPS	12 X 12 SURFACE MOUNT, VAPOR PROOF, 120V	ACME DUNBAR 404	SURFACE MOUNT
	N/A	NIGHT LIGHT	N/A	CONNECT TO EITHER UNSWITCHED LIGHTING LEG OR EMERGENCY LIGHT CIRCUIT



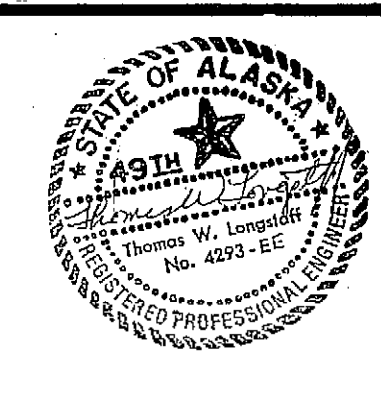
SITE PLAN
APPROX. SCALE: 1" = 450'

- NOTES :**
- 1 MATANUSKA ELECTRIC ASSOCIATION (MEA) 15KV 3 PHASE SECTIONALIZER CABINET.
 - 2 MEA PAD MOUNTED TRANSFORMER
 - 3 MAINTENANCE/ADMINISTRATION BUILDING. SEE SHEETS E-3 AND E-4 FOR BUILDING ELECTRICAL PLAN.
 - 4 SCALE HOUSE. SEE SHEET E-5 FOR ELECTRICAL PLAN SHEET, E-2 FOR LOCATION & FEEDER ROUTING.
 - 5 WATER SUPPLY BUILDING. SEE SHEET E-6 FOR ELECTRICAL PLAN, SHEET E-2 FOR LOCATION & FEEDER ROUTING.
 - 6 TRANSFER BUILDING A. SEE SHEET E-5 FOR ELECTRICAL PLAN, SHEET E-2 FOR LOCATION & FEEDER ROUTING.
 - 7 LANDFILL ENTRANCE FACILITY (LEF) AREA. SEE SHEET E-2 FOR AREA LIGHTING LAYOUT, BUILDING LOCATIONS, FEEDER SIZE AND ROUTING AND POWER ONE-LINE.
 - 8 TRANSFER BUILDING B. SEE SHEET E-8 FOR SITE PLAN LIGHTING AND ELECTRICAL PLAN.

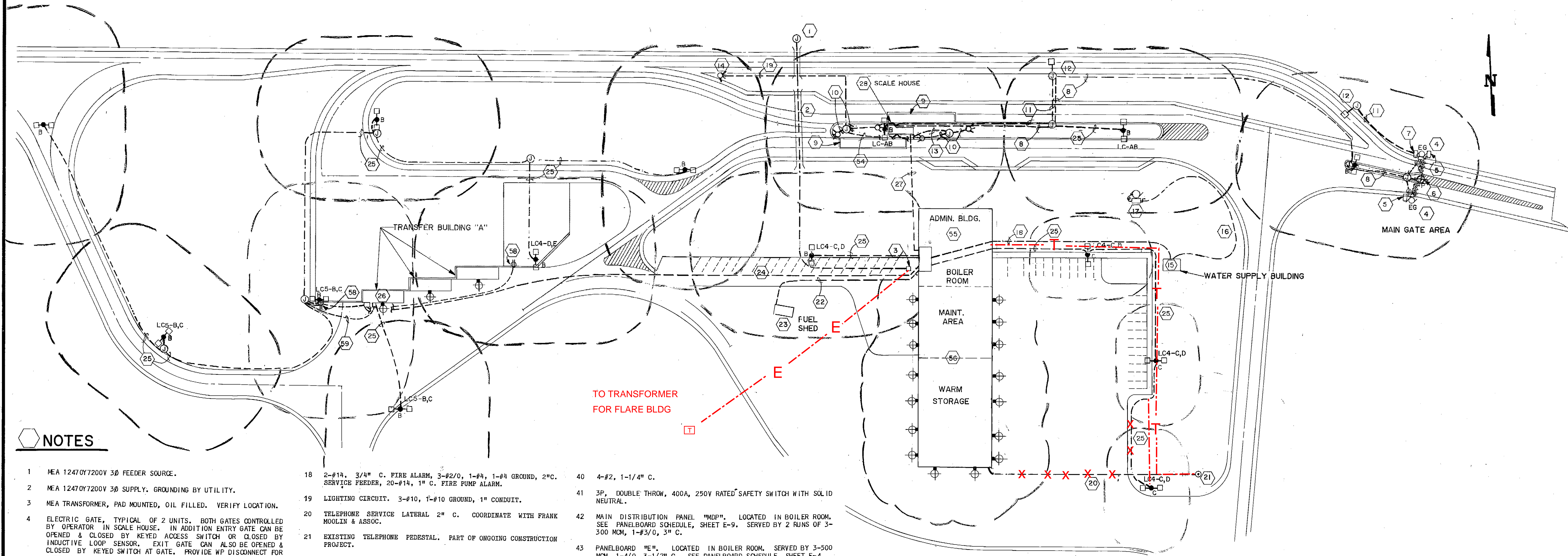


PROJECT NO.
DESIGNED : Tom Longstaff
DRAWN : Candy O.
CHECKED : Tom Longstaff
DATE : 9 March 1987
SCALE : As shown

NO.	REVISION	DATE	BY

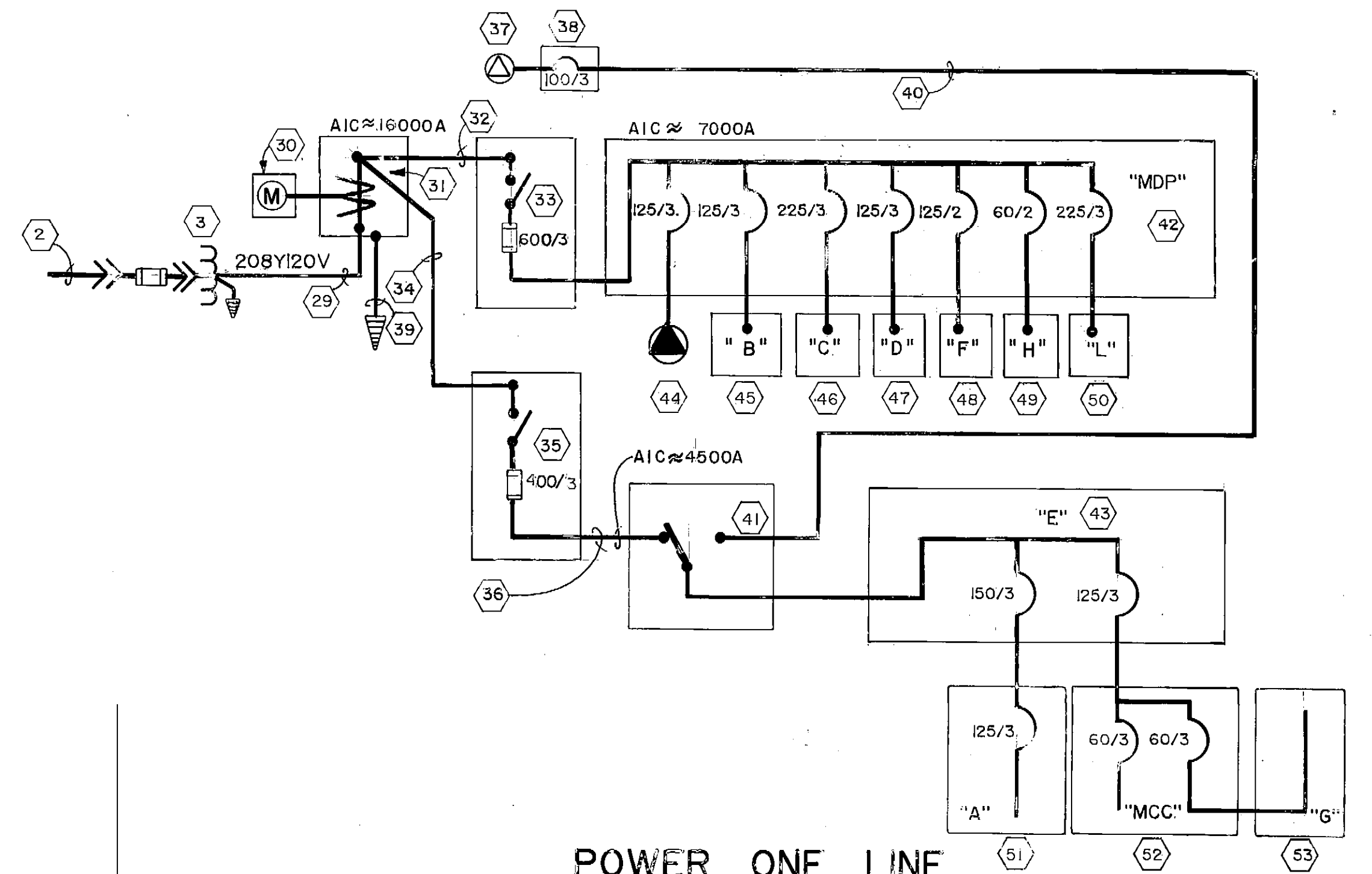


SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
LEGEND, FIXTURE SCHEDULE, SITE PLAN



NOTES

- 1 MEA 12470Y7200V 3Ø FEEDER SOURCE.
- 2 MEA 12470Y7200V 3Ø SUPPLY. GROUNDING BY UTILITY.
- 3 MEA TRANSFORMER, PAD MOUNTED, OIL FILLED. VERIFY LOCATION.
- 4 ELECTRIC GATE, TYPICAL OF 2 UNITS. BOTH GATES CONTROLLED BY OPERATOR IN SCALE HOUSE. IN ADDITION ENTRY GATE CAN BE OPENED & CLOSED BY KEYPAD ACCESS SWITCH OR CLOSED BY INDUCTIVE LOOP SENSOR. EXIT GATE CAN ALSO BE OPENED & CLOSED BY KEYPAD SWITCH AT GATE. PROVIDE WP DISCONNECT FOR GATE OPERATORS. MOUNT DISCONNECT & JUNCTION BOX ON I-BEAM PEDESTAL BELOW OPERATOR. SEE SHEET C-16.
- 5 GATE CONTROLLER KEYPAD SWITCH IN NEMA 4 ENCLOSURE. SEE SHEET E-11 FOR CONTROL. MOUNT ON GATE POST WITH STAINLESS STEEL STRAPS. CONNECT TO GATE MOTOR CONTROL PANEL WITH 1/2" C.
- 6 SIGN LIGHT. POWERED BY LC IN SCALE HOUSE. SEE SHEET E-11 FOR LIGHTING CONTROL DETAIL.
- 7 GATE CONTROL INDUCTIVE LOOP ENCLOSURE. SEE SHEET E-11 FOR GATE CONTROL SCHEMATIC AND LOOP INSTALLATION.
- 8 4-#6, 1-#10 GROUND, 1" C. (AREA LIGHTING & SIGN LIGHT POWER). 4-#10, 1-#10 BCU, 8-#14, 2" C., GATE POWER AND CONTROL. SEE SHEET E-11 FOR WIRING DIAGRAM.
- 9 SCALE PIT. SEE SHEET E-7 FOR CONDUITS AND FEEDER ROUTING TO SCALE HOUSE.
- 10 SCALE HOUSE TRAFFIC LIGHT SIGNAL CIRCUITS. 3-#10, 1-#10 BCU, 1-1/4" CONDUIT.
- 11 #12 CABLE, 1" GRC INDUCTIVE LOOP SIGNAL.
- 12 INDUCTIVE LOOP. SEE SHEET E-11 FOR DETAIL ON LOOP INSTALLATION. LOCATE INDUCTIVE LOOPS 75' AND 420' FROM GATE, UNDER CENTER OF TRAFFIC LANE.
- 13 SCALE HOUSE TRAFFIC LIGHT SIGNAL POWER. 6-#10, 1-#10 GROUND, 1" CONDUIT.
- 14 TRANSFER TRUCK LANE TRAFFIC LIGHT. SEE SHEET E-10.
- 15 WATER SUPPLY BUILDING. SEE SHEET E-6.
- 16 WELL FEEDER. 3-#10, 1-#10 GROUND, 1" CONDUIT. ROUTE WITH WATER LINE. SEE SHEET E-10 FOR SUPPLY AND CONTROL.
- 17 WELL PUMP DISCONNECT. PROVIDE NEMA 4, 3P, 30A DISCONNECT. MOUNT ON 4X4X6' TREATED POST. SUPPLY.
- 18 2-#14, 3/4" C. FIRE ALARM, 3-#2/0, 1-#4, 1-#4 GROUND, 2" C. SERVICE FEEDER, 20-#14, 1" C. FIRE PUMP ALARM.
- 19 LIGHTING CIRCUIT. 3-#10, 1-#10 GROUND, 1" CONDUIT.
- 20 TELEPHONE SERVICE LATERAL 2" C. COORDINATE WITH FRANK MOULIN & ASSOC.
- 21 EXISTING TELEPHONE PEDESTAL. PART OF ONGOING CONSTRUCTION PROJECT.
- 22 2-#14, 3/4" C. (FIRE), 3-#4, 1-#6 BCU, 1-1/4" C. (POWER), 1-2" C. (DATA) TO DATA TERMINAL SEE SHEET E-9.
- 23 FUEL STATION. SEE SHEET E-6.
- 24 2-#14, 3/4" C. (FIRE), 3-#1/0, 1-#4 BCU, 2" C. (POWER). CAUTION: SEE SHEET C-4 FOR BURIED DRAINAGE PIPE CROSSINGS.
- 25 LIGHTING FEEDER. 2-#6, 1-#6 BCU, 1" CONDUIT.
- 26 TRANSFER BUILDING A. SEE SHEET E-5.
- 27 SCALE HOUSE POWER: 3-#1/0, 1-#2, 1-#6 BCU, 2" C.; DATA: 2-1" C. WITH PULL WIRE; FIRE ALARM: 2-#14, 3/4" C.; TELEPHONE: 1-1" C. WITH PULL WIRE. CAUTION: SEE C-4 FOR LOCATION OF ADMIN. BUILDING DRAIN FIELD.
- 28 SCALE HOUSE. SEE SHEET E-5.
- 29 SERVICE LATERAL PER MEA REQUIREMENTS.
- 30 METER BASE AS REQUIRED BY MEA.
- 31 C.T. ENCLOSURE NEMA 3R WITH 3-600:5 CT'S PER MEA REQUIREMENTS.
- 32 2 RUNS OF 3-300 MCM, 1-#3/0 (NEUTRAL), 1-#2 BCU, 3" C.
- 33 600A, 3P, FUSED DISCONNECT WITH S/N. CLASS T FUSES. NEMA 3R ENCLOSURE.
- 34 3-500 MCM, 1-#4/0 NEUTRAL, 1-1/0 GROUND, 3-1/2" C.
- 35 400A, 3P, FUSED DISCONNECT WITH S/N. CLASS T FUSES. NEMA 3R ENCLOSURE.
- 36 3-500 MCM, 1-#4/0 NEUTRAL, 3-1/2" C.
- 37 POWER INLET. 100A, 250V, 4 POLE, WITH GROUND. WEATHERPROOF WITH SCREW COVER. PROVIDE MATCHING WEATHERPROOF CORD CONNECTOR FOR PORTABLE GENERATOR.
- 38 100A, 3P, ENCLOSED CIRCUIT BREAKER, NEMA 3R.
- 39 SIZE GROUND PER ART 250 NEC. USE 5/8"X8' CU CLAD GROUND ROD AND BUILDING COLD WATER SERVICE.
- 40 4-#2, 1-1/4" C.
- 41 3P, DOUBLE THROW, 400A, 250V RATED SAFETY SWITCH WITH SOLID NEUTRAL.
- 42 MAIN DISTRIBUTION PANEL "MDP". LOCATED IN BOILER ROOM. SEE PANELBOARD SCHEDULE, SHEET E-9. SERVED BY 2 RUNS OF 3-300 MCM, 1-#3/0, 3" C.
- 43 PANELBOARD "ME". LOCATED IN BOILER ROOM. SERVED BY 3-500 MCM, 1-#4/0, 3-1/2" C. SEE PANELBOARD SCHEDULE, SHEET E-4.
- 44 WELDING OUTLET IN WELDING ROOM. SERVED BY 3-#2, 1-1/4" C.
- 45 PANELBOARD "MB". LOCATED IN BOILER ROOM. SERVED BY 4-#2, 1-1/2" C. SEE PANELBOARD SCHEDULE, SHEET E-3.
- 46 PANELBOARD "MC". LOCATED IN BOILER ROOM. SERVED BY 4-#3/0, 2" C. SEE PANELBOARD SCHEDULE, SHEET E-4.
- 47 PANELBOARD "MD". LOCATED IN MAINTENANCE SHOP. SERVED BY 4-#2, 1-1/2" C. SEE PANELBOARD SCHEDULE, SHEET E-4.
- 48 PANELBOARD "MF". LOCATED AT TRANSFER BUILDING A. SERVED BY 3-#1/0, 1-#4 BARE, 2" C. SEE PANELBOARD SCHEDULE, SHEET E-5.
- 49 PANELBOARD "MH". LOCATED IN FUEL SUPPLY SHED. SERVED BY 3-#4, 1-#6 BCU, 1" C. SEE PANELBOARD SCHEDULE, SHEET E-6.
- 50 PANELBOARD "ML". LOCATED IN BOILER ROOM. SERVED BY 4-#3/0, 2" C. SEE PANELBOARD SCHEDULE, SHEET E-3.
- 51 PANELBOARD "MA". LOCATED IN SCALE HOUSE. SERVED BY 3-#1/0, 1-#2, 1-#6 BCU, 2" C. SEE PANELBOARD SCHEDULE, SHEET E-5.
- 52 MOTOR CONTROL CENTER "MCC". LOCATED IN WATER SUPPLY BUILDING. SERVED BY 3-#2/0, 1-#4, 1-#4 BCU, 2" C. SEE SHEET E-6.
- 53 PANELBOARD "MG". LOCATED IN WATER SUPPLY BUILDING. SERVED BY 4-#4, 1" C. SEE PANELBOARD SCHEDULE, SHEET E-6.
- 54 9-#10, 1-#10 BCU, 1" C. TRANSFER TRUCK LANE SIGNAL LIGHT AND SCALE HOUSE TRAFFIC LIGHTS.
- 55 SEE SHEET E-3 FOR PLAN.
- 56 SEE SHEET E-4 FOR PLAN.
- 57 OVERHEAD SIGN LIGHTS. MIN. 17' ABOVE GRADE. POWERED BY LC IN SCALE HOUSE.
- 58 DUPLEX RECEPTACLE IN WEATHERPROOF DEVICE BOX FOR HOSE BIB HEAT TAPE. SECURE TO RAILING WITH STAINLESS STEEL STRAP. SERVED FROM PANELBOARD "MF" AT TRANSFER BUILDING "A" SEE SHEET E-5.
- 59 4-#6, 1-#6 BCU, (LIGHTING), 2-#12, 1-1/4" C.

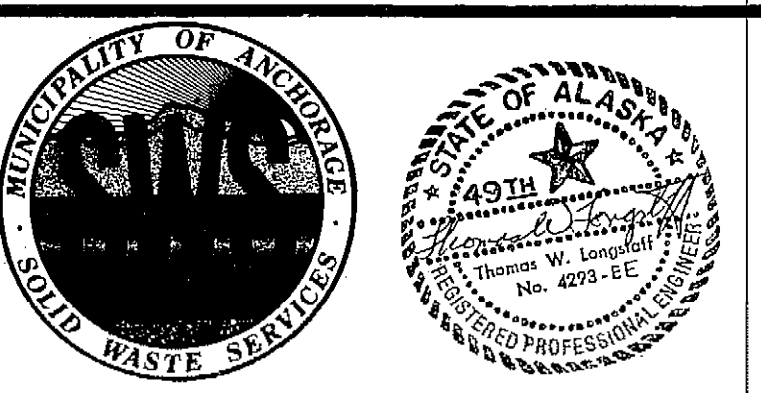


POWER ONE LINE
TOTAL CONNECTED LOAD = 264KVA @ 730A @ 208Y120V

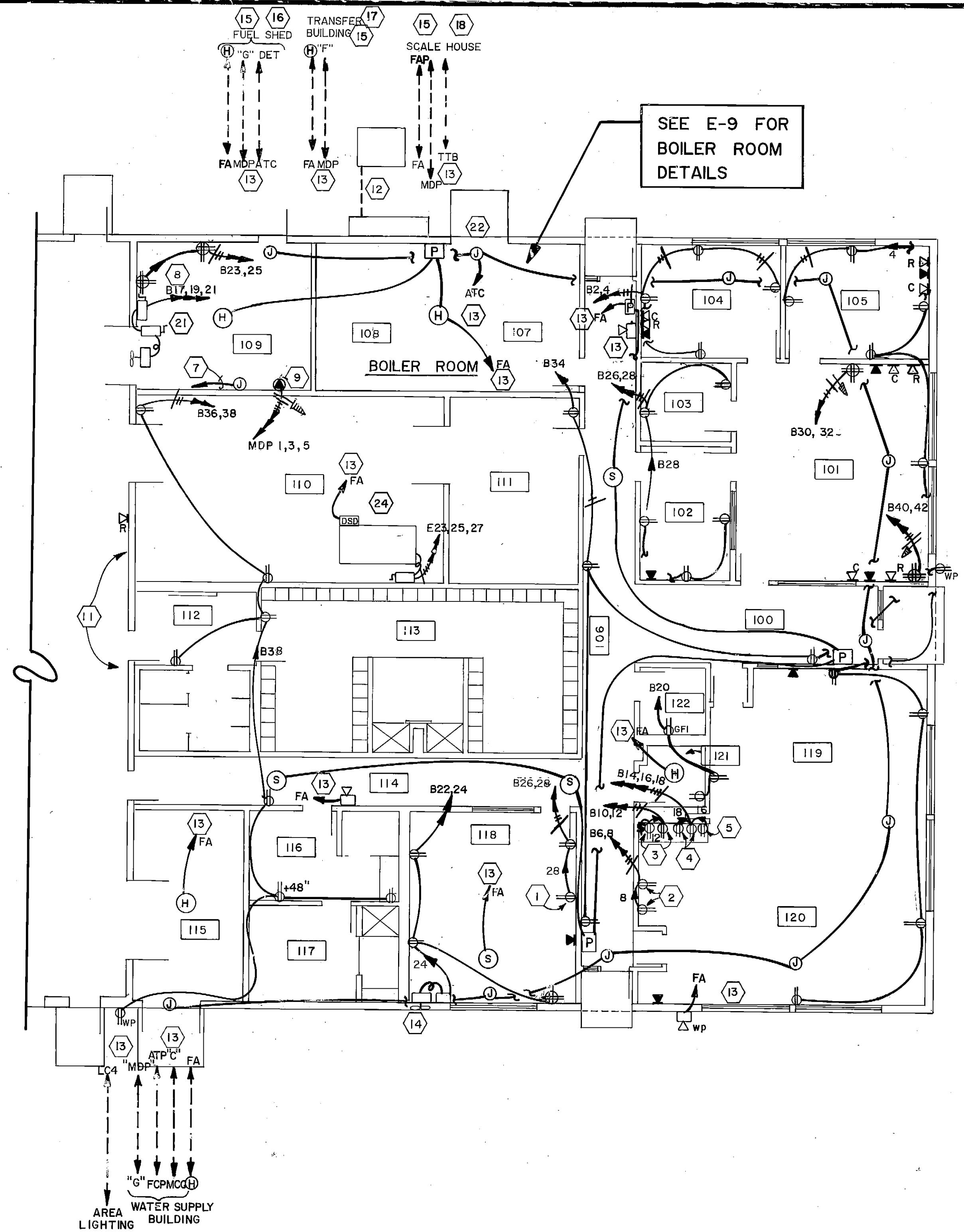
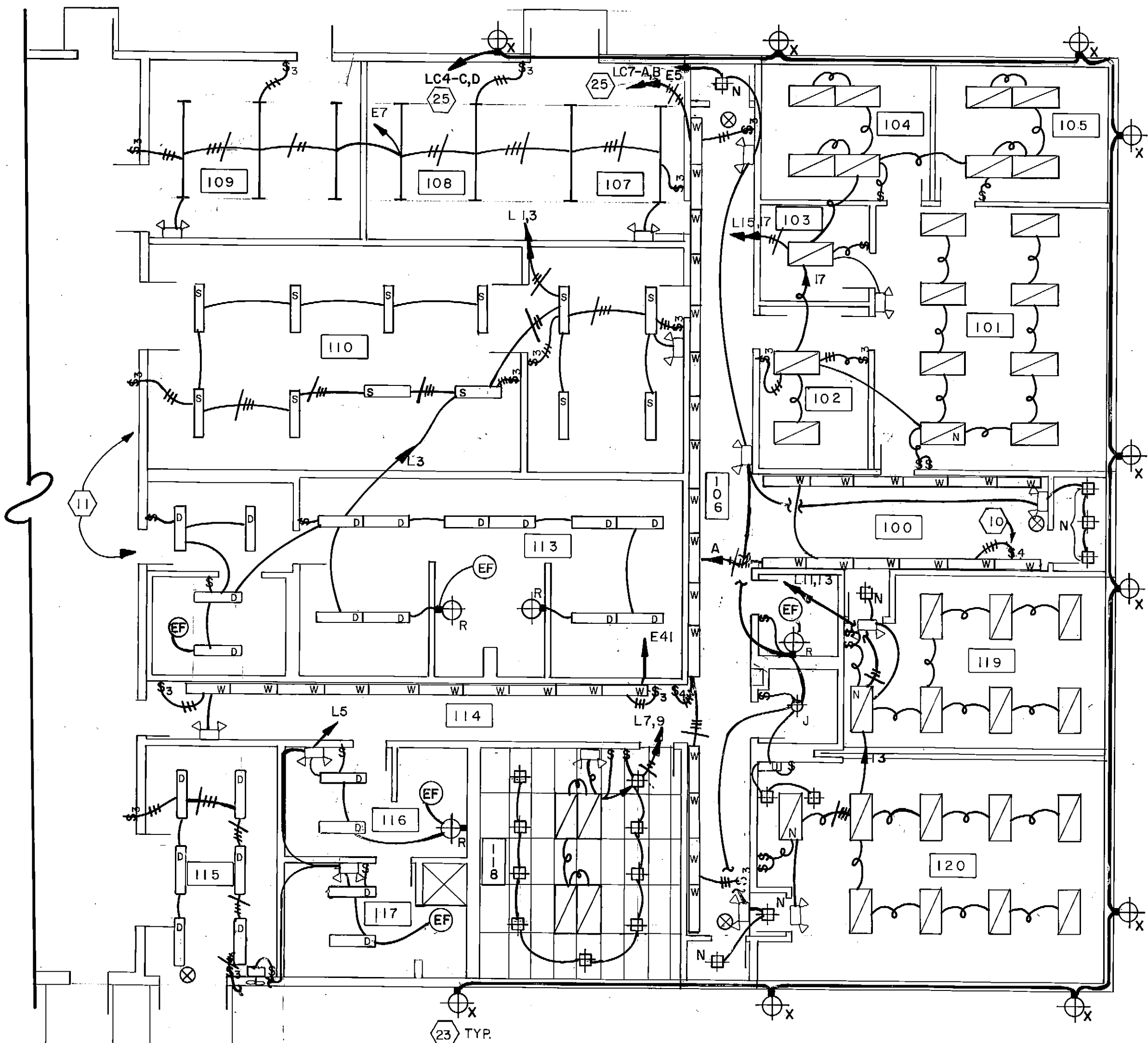
ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

PROJECT NO. _____
 DESIGNED: Tom Longstaff
 DRAWN: Candy O.
 CHECKED: Tom Longstaff
 DATE: 9 MARCH 1987
 SCALE: 1" = 50.0'

NO.	REVISION	DATE	BY



SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 LEF SITE PLAN, POWER ONE-LINE



NOTES:

- 1 MOUNT + 48" REFRIGERATOR.
- 2 VENDING MACHINE RECEPTACLES + 48".
- 3 DISPOSAL AND DISHWASHER RECEPTACLES. MOUNT + 18".
- 4 GENERAL APPLIANCE AND MICROWAVE RECEPTACLES MOUNT ABOVE COUNTER BACKSPASH TRIM. COORDINATE WITH ARCHITECTURAL.
- 5 REFRIGERATOR RECEPTACLE. MOUNT BEHIND CABINET + 18".
- 6 ALARM TERMINAL CABINET "ATC". IN BOILER ROOM SHEET E-9.
- 7 1" CONDUIT FROM 4 X 4 JUNCTION BOX MOUNTED + 2'-0" IN WELDING ROOM TO JUNCTION BOX IN MAINTENANCE AREA. SEE SHEET E-4 NOTE 2.
- 8 MOUNT BOTH QUADRUPLEX RECEPTACLES 6" ABOVE WORKBENCH.
- 9 WELDER RECEPTACLE. MOUNT + 2'-0".
- 10 SWITCH LOCATED ON WALL BENEATH FIXTURE.
- 11 SEE SHEET E-4 FOR CONTINUATION OF ADMINISTRATION BUILDING.
- 12 MEA TRANSFORMER AND SERVICE LATERAL TO BUILDING METERING AND MAIN DISCONNECT. SEE POWER ONE-LINE, SHEET E-2.
- 13 EQUIPMENT LOCATED IN BOILER ROOM. SEE SHEET E-9 FOR BOILER ROOM PLAN.
- 14 HOOD FAN. INSTALL FAN UNIT. COORDINATE WITH MECHANICAL.
- 15 SEE SHEET E-2 FOR ROUTING OF BURIED CONDUITS.
- 16 SEE SHEET E-6 FOR FUEL SHED PLAN.
- 17 SEE SHEET E-5 FOR TRANSFER BUILDING "A" PLAN.
- 18 SEE SHEET E-5 FOR SCALE HOUSE PLAN.
- 19 SEE SHEET E-6 FOR WATER SUPPLY BUILDING PLAN.
- 20 SEE SHEET E-2 FOR AREA LIGHTING PLAN.
- 21 PROVIDE WP DISCONNECT FOR WELDING EXHAUST FAN AND ON-OFF SWITCH IN WELDING ROOM. EXHAUST FAN LOCATED ON ROOFTOP. SEE MECHANICAL.
- 22 JUNCTION BOX FOR FUTURE SECURITY ALARM DEVICE BY OTHERS (11 TYP). INSTALL BOXES WITH COVERS. LOCATE IN CEILING IN 100, 106, 115 & 118; ON CEILING IN 107, 109 AND ABOVE CEILING IN 101, 104, 105, 119 AND 120.
- 23 "X" FIXTURE MOUNTED 1 FT. BELOW BOTTOM OF PARAPET TO CENTER.
- 24 DUCT MOUNTED SMOKE DETECTOR SHALL BE MOUNTED ON AND SENSE FROM THE RETURN AIR DUCT. WHEN IN ALARM ONLY, THE UNIT SHALL DISABLE GHJ-3 UNTIL RESER AT THE MAIN FA PANEL IN THE BOILER ROOM.
- 25 TO LIGHTING CONTACTOR IN BOILER ROOM. SEE SHEET E-11 FOR LC DETAIL.

AREA LIGHTING WATER SUPPLY BUILDING

PANELBOARD L SURFACE MOUNTED 10,000 ASYM. I.C. MIN. 225 AMP MAIN LUGS, 208Y/120 VOLTS, 3 PHASE, 4 WIRE 225 AMP MAINS		PANELBOARD B SURFACE MOUNTED 10,000 ASYM. I.C. MIN. 225 AMP MAIN LUGS, 208Y/120 VOLTS, 3 PHASE, 4 WIRE 225 AMP MAINS	
POLE TRIP NO.	LOAD	POLE TRIP NO.	LOAD
1	20 ROOM 110 LTS.	1	20 MAINT. F. RECP (E)
2	20 ROOM 113 LTS.	2	20 RM 104, 109 RECP
3	20 RM 115, 116, 117 LTS.	3	20 RM 105, 101, 119, 120 RECP
4	20 LCI-A WARM STORAGE	4	20 VENDING ROOM 120
5	20 LCI-B WARM STORAGE	5	20 DISHWASHER
6	20 LCI-C WARM STORAGE	6	20 DISPOSAL
7	20 LCI-D WARM STORAGE	7	20 REFRIGERATOR
8	20 LCI-E WARM STORAGE	8	20 MICROWAVE
9	20 LCI-F WARM STORAGE	9	20 COUNTER RECP
10	20 LCI-G WARM STORAGE	10	20 RM 118 RECP
11	20 LCI-H WARM STORAGE	11	20 RM 121, 122 RECP
12	20 LCI-I WARM STORAGE	12	20 LAR 118 HOOD FAN
13	20 LCI-J WARM STORAGE	13	20 WELDER SHOP RECP
14	20 LCI-K WARM STORAGE	14	20 ROOM 103 RECP
15	20 LCI-L WARM STORAGE	15	20 ROOM 102 RECP
16	20 LCI-M WARM STORAGE	16	20 ROOM 101 RECP
17	20 LCI-N WARM STORAGE	17	20 RM 101 RECP
18	20 LCI-O WARM STORAGE	18	20 HALL 100, 106, RM 111 RECP
19	20 LCI-P WARM STORAGE	19	20 HALL 112, 113, RECP
20	20 LCI-Q WARM STORAGE	20	20 HALL 114, RM 115, EXT RECP
21	20 LCI-R WARM STORAGE	21	20 ROOM 101 RECP
22	20 LCI-S WARM STORAGE	22	20 ROOM 101 RECP
23	20 LCI-T WARM STORAGE	23	20 ROOM 101 RECP
24	20 LCI-U WARM STORAGE	24	20 ROOM 101 RECP
25	20 LCI-V WARM STORAGE	25	20 ROOM 101 RECP
26	20 LCI-W WARM STORAGE	26	20 ROOM 101 RECP
27	20 LCI-X WARM STORAGE	27	20 ROOM 101 RECP
28	20 LCI-Y WARM STORAGE	28	20 ROOM 101 RECP
29	20 LCI-Z WARM STORAGE	29	20 ROOM 101 RECP
30	20 LCI-AA WARM STORAGE	30	20 ROOM 101 RECP
31	20 LCI-AB WARM STORAGE	31	20 ROOM 101 RECP
32	20 LCI-AC WARM STORAGE	32	20 ROOM 101 RECP
33	20 LCI-AD WARM STORAGE	33	20 ROOM 101 RECP
34	20 LCI-AE WARM STORAGE	34	20 ROOM 101 RECP
35	20 LCI-AF WARM STORAGE	35	20 ROOM 101 RECP
36	20 LCI-AG WARM STORAGE	36	20 ROOM 101 RECP
37	20 LCI-AH WARM STORAGE	37	20 ROOM 101 RECP
38	20 LCI-AI WARM STORAGE	38	20 ROOM 101 RECP
39	20 LCI-AJ WARM STORAGE	39	20 ROOM 101 RECP
40	20 LCI-AK WARM STORAGE	40	20 ROOM 101 RECP
41	20 LCI-AL WARM STORAGE	41	20 ROOM 101 RECP
42	20 LCI-AM WARM STORAGE	42	20 ROOM 101 RECP

PANELBOARD L SURFACE MOUNTED 10,000 ASYM. I.C. MIN. 225 AMP MAIN LUGS, 208Y/120 VOLTS, 3 PHASE, 4 WIRE 225 AMP MAINS		PANELBOARD B SURFACE MOUNTED 10,000 ASYM. I.C. MIN. 225 AMP MAIN LUGS, 208Y/120 VOLTS, 3 PHASE, 4 WIRE 225 AMP MAINS	
POLE TRIP NO.	LOAD	POLE TRIP NO.	LOAD
1	20 ROOM 110 LTS.	1	20 MAINT. F. RECP (E)
2	20 ROOM 113 LTS.	2	20 RM 104, 109 RECP
3	20 RM 115, 116, 117 LTS.	3	20 RM 105, 101, 119, 120 RECP
4	20 LCI-A WARM STORAGE	4	20 VENDING ROOM 120
5	20 LCI-B WARM STORAGE	5	20 DISHWASHER
6	20 LCI-C WARM STORAGE	6	20 DISPOSAL
7	20 LCI-D WARM STORAGE	7	20 REFRIGERATOR
8	20 LCI-E WARM STORAGE	8	20 MICROWAVE
9	20 LCI-F WARM STORAGE	9	20 COUNTER RECP
10	20 LCI-G WARM STORAGE	10	20 RM 118 RECP
11	20 LCI-H WARM STORAGE	11	20 RM 121, 122 RECP
12	20 LCI-I WARM STORAGE	12	20 LAR 118 HOOD FAN
13	20 LCI-J WARM STORAGE	13	20 WELDER SHOP RECP
14	20 LCI-K WARM STORAGE	14	20 ROOM 103 RECP
15	20 LCI-L WARM STORAGE	15	20 ROOM 102 RECP
16	20 LCI-M WARM STORAGE	16	20 ROOM 101 RECP
17	20 LCI-N WARM STORAGE	17	20 RM 101 RECP
18	20 LCI-O WARM STORAGE	18	20 HALL 100, 106, RM 111 RECP
19	20 LCI-P WARM STORAGE	19	20 HALL 112, 113, RECP
20	20 LCI-Q WARM STORAGE	20	20 HALL 114, RM 115, EXT RECP
21	20 LCI-R WARM STORAGE	21	20 ROOM 101 RECP
22	20 LCI-S WARM STORAGE	22	20 ROOM 101 RECP
23	20 LCI-T WARM STORAGE	23	20 ROOM 101 RECP
24	20 LCI-U WARM STORAGE	24	20 ROOM 101 RECP
25	20 LCI-V WARM STORAGE	25	20 ROOM 101 RECP
26	20 LCI-W WARM STORAGE	26	20 ROOM 101 RECP
27	20 LCI-X WARM STORAGE	27	20 ROOM 101 RECP
28	20 LCI-Y WARM STORAGE	28	20 ROOM 101 RECP
29	20 LCI-Z WARM STORAGE	29	20 ROOM 101 RECP
30	20 LCI-AA WARM STORAGE	30	20 ROOM 101 RECP
31	20 LCI-AB WARM STORAGE	31	20 ROOM 101 RECP
32	20 LCI-AC WARM STORAGE	32	20 ROOM 101 RECP
33	20 LCI-AD WARM STORAGE	33	20 ROOM 101 RECP
34	20 LCI-AE WARM STORAGE	34	20 ROOM 101 RECP
35	20 LCI-AF WARM STORAGE	35	20 ROOM 101 RECP
36	20 LCI-AG WARM STORAGE	36	20 ROOM 101 RECP
37	20 LCI-AH WARM STORAGE	37	20 ROOM 101 RECP
38	20 LCI-AI WARM STORAGE	38	20 ROOM 101 RECP
39	20 LCI-AJ WARM STORAGE	39	20 ROOM 101 RECP
40	20 LCI-AK WARM STORAGE	40	20 ROOM 101 RECP
41	20 LCI-AL WARM STORAGE	41	20 ROOM 101 RECP
42	20 LCI-AM WARM STORAGE	42	20 ROOM 101 RECP

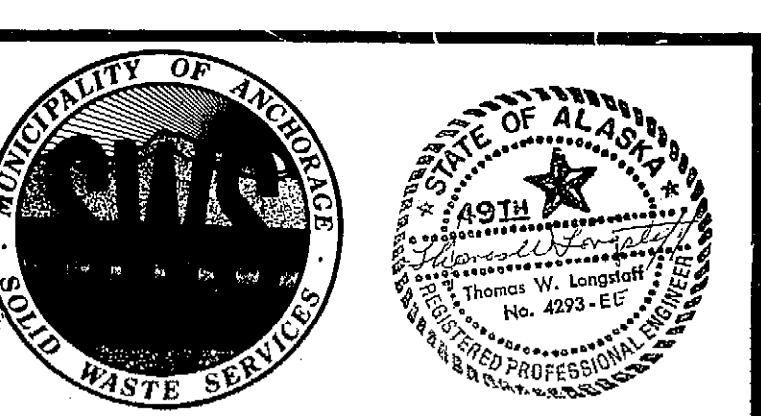
TOTAL 6.1.6.8.4.9 TOTAL CONNECTED LOAD 44.9 KVA SUPPLIED FROM PANEL 123A B 208Y

TOTAL 2.7.2.3.2.2 TOTAL CONNECTED LOAD 23.8 KVA SUPPLIED FROM PANEL 06.1A B 208Y

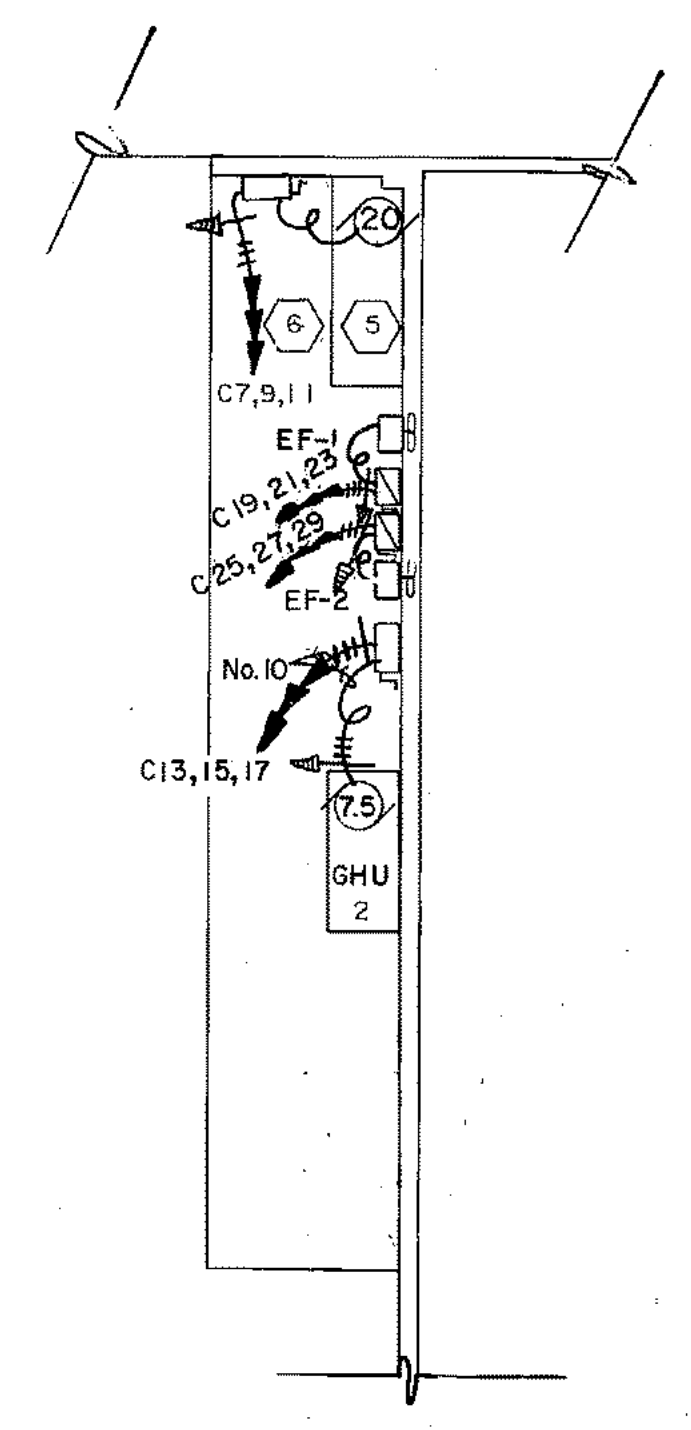
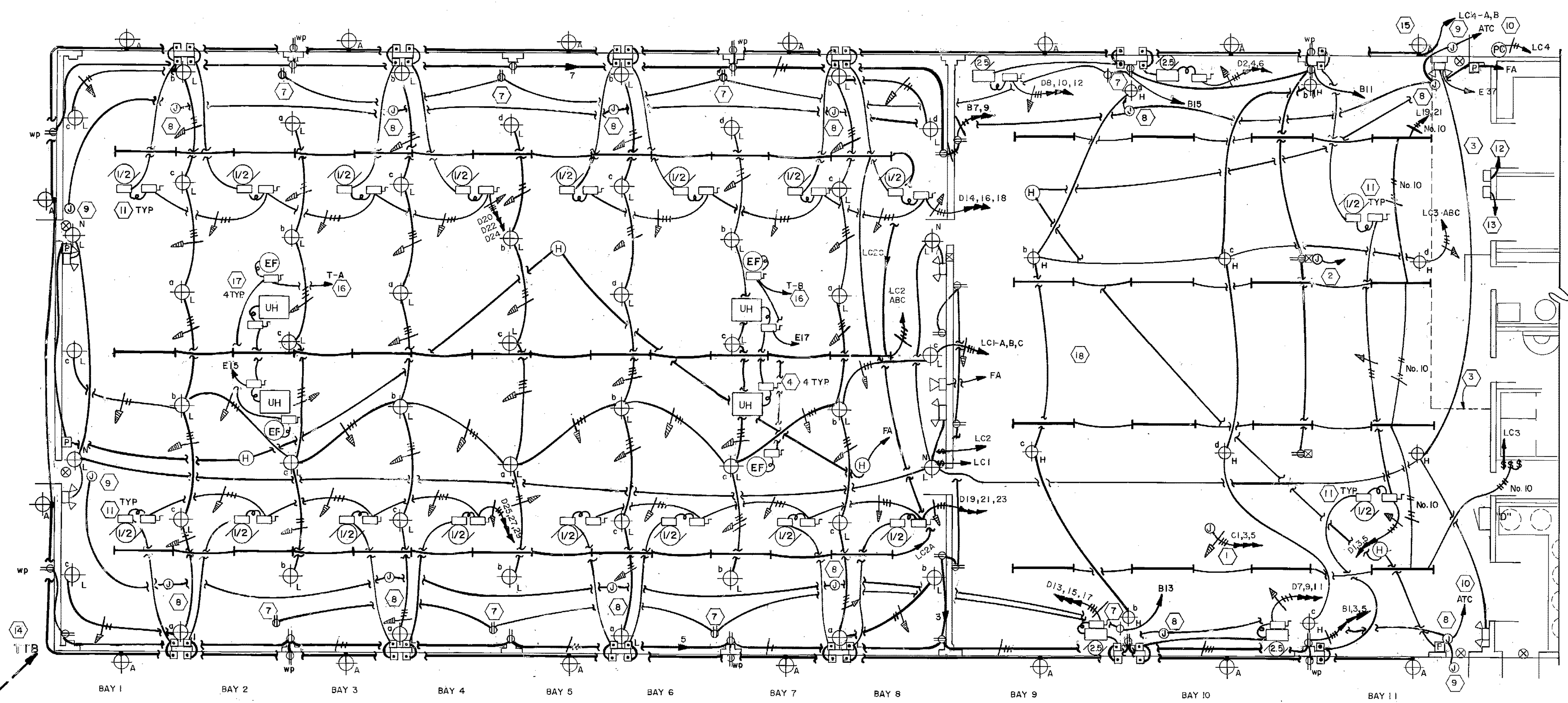
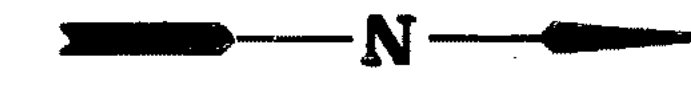
ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

PROJECT NO. DESIGNED : Tom Longstaff DRAWN : Candy O. CHECKED : Tom Longstaff DATE : 9 March 1987 SCALE : 1/8" = 1'-0"

NO.	REVISION	DATE BY



SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
MAINTENANCE/ADMINISTRATION BUILDING
OFFICE AREA ELECTRICAL PLAN
LIGHTING / EQUIPMENT



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

NOTES:

- 1 OVERHEAD CRANE POWER. COORDINATE CONTROL/JUNCTION BOX LOCATION WITH SHOP DRAWINGS.
- 2 PROVIDE 1" CONDUIT AND 4 X 4 JUNCTION BOX 2' AFF. CONDUIT RUNS TO 4 X 4 JUNCTION BOX IN WELDING ROOM. SEE SHEET E-3.
- 3 MEZZANINE LEVEL. 8' X 46' SEE DETAIL THIS SHEET FOR EQUIPMENT LOCATIONS
- 4 MOUNT DISCONNECT SWITCH NEXT TO UNIT HEATER (SEE MECHANICAL FOR LOCATIONS).
- 5 20 HP COMPRESSOR, OWNER FURNISHED.
- 6 3-#2, 1-#8 GROUND 1-1/2" CONDUIT.
- 7 HEAT TRACE RECEPTACLE. PROVIDE DUPLEX RECEPTACLE AT TOP OF WALL. RECEPTACLE SERVES BOTH DRAIN AND HOSE BIB RISER HEAT TAPES. PROVIDE APPROVED PLUG ASSEMBLY FOR HEAT TAPES. SEE M-6 DETAIL 1 FOR HEAT TAPE INSTALLATION.
- 8 SECURITY SYSTEM 4X4 JUNCTION BOX. LOCATE AT PILASTER 6" ABOVE OVERHEAD DOOR. PROVIDE BLANK COVER AND PULL WIRE IN CONDUIT.
- 9 SECURITY SYSTEM 4X4 JUNCTION BOX. LOCATE 6" ABOVE DOOR.
- 10 1/2" C. HOME RUN TO ATC IN BOILER ROOM. PROVIDE PULL WIRE. SECURITY SYSTEM BY OTHERS.
- 11 OVERHEAD DOOR MOTOR AND CONTROLLER LOCATED AT PILASTER DIRECTLY ABOVE ITS RAISE/LOWER/STOP SWITCH SHOWN. TYPICAL FOR ALL 1/2 HP DOOR MOTORS.
- 12 EF-1 ON/OFF SWITCH. 1/2" C. TO MOTOR STARTER AT MEZZANINE ABOVE. SEE SHEET E-11 FOR DETAIL ON INTERLOCK WITH EF-2.
- 13 EF-2 ON/OFF SWITCH. 1/2" C. TO MOTOR STARTER AT MEZZANINE ABOVE. SEE E-11 FOR DETAIL ON INTERLOCK WITH EF-1.
- 14 TO TELEPHONE TERMINAL BOARD IN BOILER ROOM FROM TELEPHONE UTILITY PEDESTAL. SEE SHEET E-2, ITEM 20 FOR BURIAL ROUTE. SEE SHEET E-9, ITEM 4 FOR TTB LOCATION.
- 15 MOUNT "A" FIXTURE 1' ABOVE DOOR.
- 16 EXHAUST FAN HOMERUN TO TIMER IN BOILER ROOM.
- 17 MOUNT EXHAUST FAN DISCONNECTS NEXT TO UNIT. LOCATE PER MECHANICAL.
- 18 ADJUST FIXTURE HEIGHT TO CLEAR OVERHEAD RAIL MOUNTED CRANE. COORDINATE WITH SHOP DRAWINGS.

PANELBOARD C SURFACE MOUNTED 10,000 ASYM. A.I.C. MIN. 225 AMP MAIN LUGS, 208Y120 VOLTS, 3 PHASE, 4 WIRE 225 AMP MAINS

POLE NO.	TRIP	LOAD	A	B	C	D	E	POLE NO.	TRIP	LOAD	A	B	C	D	E
1	60	BRIDGE CRANE	3.8					2		BLANK					
3	60		3.8					4		BLANK					
5	60		3.8					6		BLANK					
7	60	AIR COMPRESSOR	7.2					8		BLANK					
9	60		7.2					10		BLANK					
11	60		7.5					12		BLANK					
13	60		3.0					14		BLANK					
15	60	GHU-2	3.0					16		BLANK					
17	60		3.0					18		BLANK					
19	15		0.6					20		BLANK					
21	15	EF-1	0.6					22		BLANK					
23	15		0.6					24		BLANK					
25	15		0.2					26		BLANK					
27	15	EF-2	0.2					28		BLANK					
29	15		0.2					30		BLANK					
31	20	MS EXHAUST FAN	1.4					32		BLANK					
33	20	MS EXHAUST FAN	1.4					34		BLANK					
35		BLANK						36		BLANK					
TOTAL 17.2 17.2 15.8															
TOTAL CONNECTED LOAD 50.2 KVA															
SUPPLIED FROM PANEL 139.4A # 208Y-ME															

PANELBOARD D SURFACE MOUNTED 10,000 ASYM. A.I.C. MIN. 125 AMP MAIN BREAKER W/ 125 AMP TRIP 208Y120 VOLTS, 3 PHASE, 4 WIRE 225 AMP MAINS

POLE NO.	TRIP	LOAD	A	B	C	D	E	POLE NO.	TRIP	LOAD	A	B	C	D	E
1	15		0.7					2	20						
3	15	OH DOOR	0.7					4	20	OH DOOR					1.1
5	15							6	20						1.1
7	20		1.3					8	20						1.3
9	20	OH DOOR	1.3					10	20	OH DOOR					1.3
11	20							12	20						1.3
13	20		1.3					14	15						1.5
15	20	OH DOOR	1.3					16	15	OH DOORS					1.5
17	20		1.3					18	15						1.5
19	15		1.5					20	15						1.5
21	15		1.5					22	15	OH DOORS					1.5
23	15		1.5					24	15						1.5
25	15		1.5					26	15						1.5
27	15		1.5					28	15						1.5
29	15		1.5					30	15						1.5
TOTAL 6.5 6.5 6.5															
TOTAL CONNECTED LOAD 36 KVA															
SUPPLIED FROM PANEL 100A # 208Y-ME															

PANELBOARD E SURFACE MOUNTED 10,000 ASYM. A.I.C. MIN. 400 AMP MAIN LUGS, 208Y120 VOLTS, 3 PHASE, 4 WIRE 400 AMP MAINS

POLE NO.	TRIP	LOAD	A	B	C	D	E	POLE NO.	TRIP	LOAD	A	B	C	D	E
1	20	HALLWAY 100 LITS (LC2A)	1.2					2	125						8.0
3	20	HALLWAY 106 LITS (LC2B)	1.3					4	125	SCALE HOUSE 5A"					8.0
5	20	ENTRY/HALL ENER LITS	1.3					6	125						8.0
7	20	BOILER/SHOP LITS	1.8					8	150						10.3
9	20	TTB	0.2					10	150	WATER SUPPLY BLDG. #6"					10.3
11	20	FIRE ALARM PANEL	0.2					12	150						
13	20	ATC PANEL	0.2					14		BLANK					
15	15	DR WARM STORAGE	0.5					16		BLANK					
17	15	DR WARM STORAGE	0.5					18		BLANK					
19	20	RADIO RECP	0.2					20		BLANK					
21	20	PENTHOUSE LITS & RECP	0.4					22		BLANK					
23	20							24		BLANK					
25	20	GHU-3	1.3					26		BLANK					
27	20							28		BLANK					
29	15		0.3					30		BLANK					
31	15	SLAB CIRC PUMP	0.3					32		BLANK					
33	15		0.3					34		BLANK					
35	15	SPRINKLER	0.2					36		BLANK					
37	20	MAINT/MS NT LITS	1.7					38		BLANK					
39								40		BLANK					
41	20	HALLWAY 114 LITS	1.0					42		BLANK					
TOTAL 5.3 5.0 4.1															
TOTAL CONNECTED LOAD 70.9 KVA															
ESTIMATED LOAD DEMAND 34.1 KVA															
ON TRANSFER SWITCH MFS															

ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO.
DESIGNED: Tom Longstaff
DRAWN: Candy O.
CHECKED: Tom Longstaff
DATE: 9 March 1987
SCALE: 1/8" = 1' - 0"

NO.	REVISION	DATE	BY

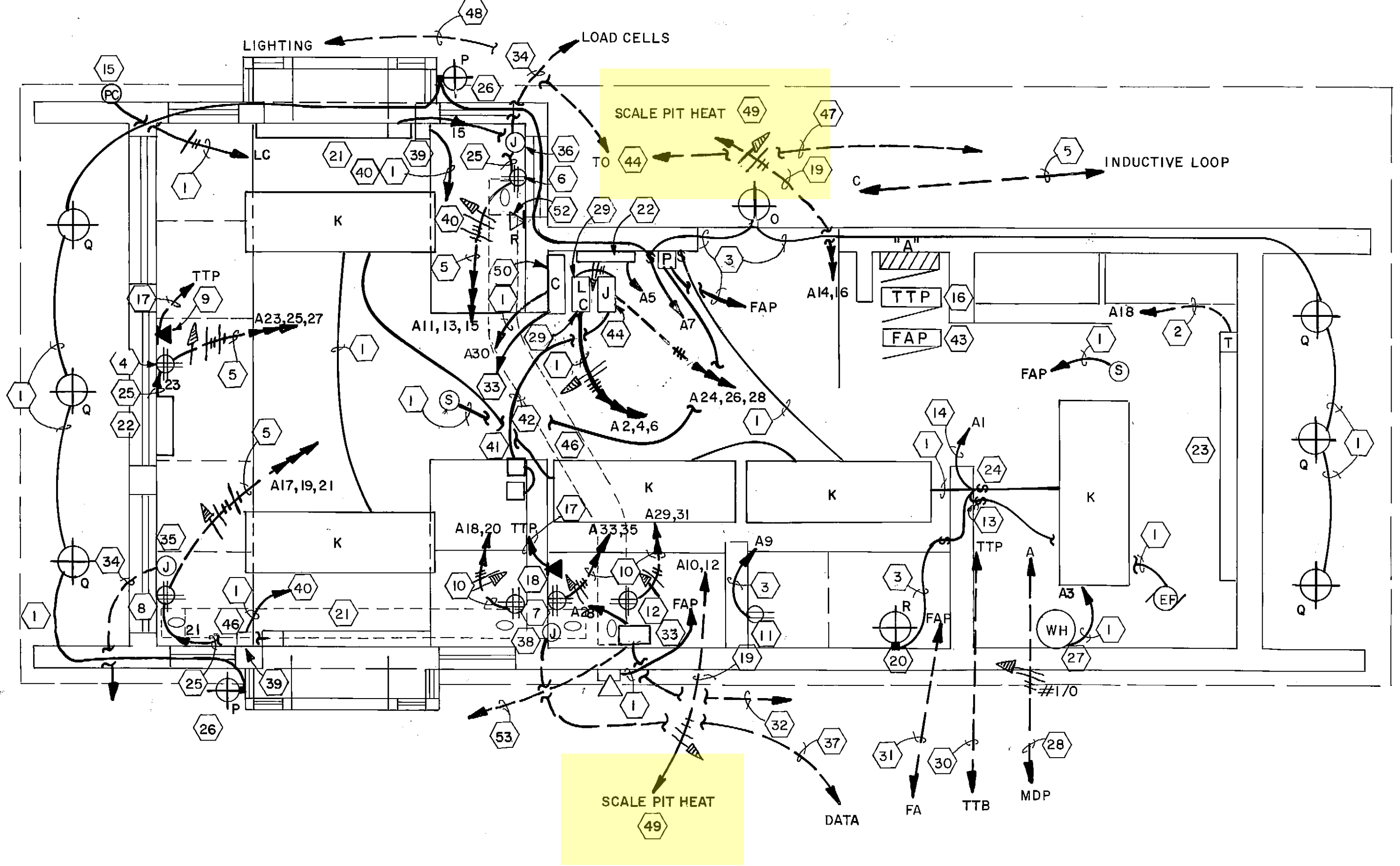
MUNICIPALITY OF ANCHORAGE
STATE OF ALASKA

SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
MAINTENANCE/ADMINISTRATION BUILDING
MAINT. AND WARM STORAGE ELECTRICAL PLAN

E-4
SHEET 78 OF 85

NOTES:

- 1/2" ABOVE CEILING.
- 1/2" UNDER SLAB.
- 1/2" IN WALL.
- QUADRUPLIX OUTLET ON WEST SCALE ROOM WALL 60" FROM NORTH WALL, 18" AFF.
- 1/2" BELOW SLAB, STUB UP TO POWER PANELBOARD AND SURFACE MOUNTED 4" x 4" QUADRUPLIX RECEPTACLE BOX. EACH HALF (DUPLIX RECEPTACLE) OF QUADRUPLIX WIRED TO DEDICATED CIRCUIT. THIRD CIRCUIT FEEDS HEATER.
- QUADRUPLIX OUTLET ON SOUTH SCALE ROOM WALL 12" FROM EAST WALL, 18" AFF.
- ONE QUADRUPLIX OUTLET ON EACH SIDE OF EAST SCALE ROOM WALL 12" FROM SOUTH WALL, 18" AFF.
- QUADRUPLIX OUTLET ON WEST SCALE ROOM WALL 12" FROM SOUTH WALL, 18" AFF.
- TELEPHONE JACK ON WEST SCALE ROOM WALL 54" FROM NORTH WALL, 18" AFF.
- 3/4" C. BELOW SLAB, STUB UP TO POWER PANELBOARD AND FLUSH MOUNTED RECEPTACLES (DUPLIX IN 2" x 4" BOX AND QUADRUPLIX IN 4" x 4" BOX). EACH DUPLIX RECEPTACLE WIRED TO A DEDICATED CIRCUIT.
- DUPLIX OUTLET IN WEST SINK AREA WALL, 6" FROM SOUTH WALL, 48" AFF.
- QUADRUPLIX OUTLET IN EAST COMPUTER AREA WALL, 12" FROM SOUTH WALL, 18" AFF.
- TIMER SWITCH, 0-15 MIN., 120V, 15A, NUTONE TYPE VS-63.
- 1/2" C. ABOVE CEILING FROM POWER PANELBOARD TO LIGHTING CIRCUITS.
- MOUNT ON FACE OF EVE, +10' ABOVE GRADE.
- LOCATE TTP ABOVE PANELBOARD.
- 1" C. BELOW SLAB, STUB UP TO TELEPHONE TERMINAL PANEL (TTP) AND SURFACE MOUNTED 4" x 4" TELEPHONE OUTLET BOX.
- DUPLIX TELEPHONE OUTLET ON WEST COMPUTER AREA WALL 18" AFF.
- 1" C. FROM PANELBOARD TO SCALE PIT JUNCTION BOX. SEE E-7.
- CENTER OVER MIRROR.
- ELECTRIC BASEBOARD, 750W, WITH INTERNAL THERMOSTAT. CENTER UNDER WINDOW.
- ELECTRIC WALL UNIT HEATER, 1500W, WITH INTERNAL THERMOSTAT. CENTER IN AVAILABLE SPACE.
- ELECTRIC BASEBOARD, 1250W, WITH INTERNAL THERMOSTAT. CENTER ON WALL.
- MOUNT IN WALL 48" AFF.
- 1/2" C. EXPOSED ON WALL IN CABINET KICKSPACE (FROM HEATER TO RECEPTACLE BOX).
- MOUNT FIXTURE + 3' ABOVE GRADE. ADJUST SO AS TO ILLUMINATE ONLY THE LOWER 3' OF APPROACHING VEHICLES.
- WATER HEATER. SEE MECHANICAL.
- 2" C. BELOW SLAB FROM "MDP" IN TRANSFER BUILDING TO "A".
- LIGHTING CONTACTOR. 3 POLE, 30A, 120V COIL. EXTERIOR LIGHTS. SEE SHEET E-11 FOR LC ONE-LINE.
- 1" C. BELOW SLAB FROM TTP TO ADMIN. BUILDING TELEPHONE TERMINAL BOARD.
- 1" C. FROM 4" x 4" BELOW SLAB FROM FAP TO ADMIN. BUILDING FIRE ALARM PANEL.
- SEE NOTE 13 SHEET E-2. TRAFFIC SIGNAL LIGHTS.
- TRAFFIC LIGHT CONTROL PANEL IN SOUTH COMPUTER AREA WALL, 6" FROM SOUTH WALL + 48" AFF.
- 2" C. FROM LOAD CELL 10"x10"x4" JUNCTION BOX TO LOAD CELLS, CONTAINS EIGHT CORDS, ONE FOR EACH LOAD CELL. SEE SHEET E-7.
- ON WEST SCALE ROOM WALL, 18" FROM SOUTH WALL, 18" AFF.
- ON EAST SCALE ROOM WALL, 6" FROM NORTH WALL, 18" AFF.
- 2-1" C. BELOW SLAB FROM COMPUTER BOX TO ADMINISTRATION BUILDING. (DATA COMMUNICATION)
- DATA JUNCTION BOX IN WEST COMPUTER AREA WALL, 6" FROM SOUTH WALL, + 48" AFF.
- TRAFFIC LIGHT CONTROL SWITCH, "1-2-3-AUTO", MOUNT ON POST + 60" AFF.
- 1/2" C. TO TRAFFIC LIGHT CONTROL PANEL JUNCTION BOX (ITEM 33).
- GATE CONTROL UNITS GC1 & GC2 (MOUNTED +72" AFF).
- 1" C. W/8-#14, FROM GATE CONTROL UNITS GC-1 & GC2 ON WALL TO JUNCTION BOX 44 ON WALL. ROUTE ABOVE CEILING.
- LOCATE FIRE ALARM PANELBOARD ABOVE TTP 16.
- GATE POWER & CONTROL AND SIGN/AREA LIGHTING JUNCTION BOX ON WALL, 12"x12"x8", BELOW 29. CHANGE CONDUCTOR SIZES AS REQUIRED BY NOTES 47 & 48.
- 2" C. TO JUNCTION BOX SUPPLYING ELECTRIC GATES (POWER & CONTROL) AND SIGN/AREA LIGHTING (POWER).
- UNDER FLOOR DUCT SQUARE D, CL5200, GD-213A.
- 2" C, 8-#14 (GATE CONTROLS), 5-#10 (GATE POWER) AND 4-#6 (2 HOT, W, GND) FOR LIGHTING. SEE SHEET E-2 FOR CONDUIT ROUTING AND LIGHTING CONTACTOR POLE ASSIGNMENT.
- 1" C, 3-#6 (2 HOT, GND) TO LIGHT FIXTURE WEST OF SCALE HOUSE.
- SEE SHEET E-7 FOR SCALE PIT HEAT JUNCTION BOX AND POWER DISTRIBUTION PLAN.
- TRANSFER TRUCK LANE LIGHT CONTROL PANEL "C", NEMA 12, SURFACE MOUNTED ABOVE 29, 20"x16"x10" DEEP. SEE SHEET E-10 FOR SCHEMATIC. INPUT FROM INDUCTIVE LOOP SEE NOTE 51, OUTPUT TO TRAFFIC LIGHT VIA ITEM 33. USE 1/2" C. WITH 3-#10. ROUTE ABOVE CEILING.
- 1" C. UNDER SLAB FROM PANEL "C" (ITEM 50) TO INDUCTIVE LOOP, SEE DETAIL SHEET E-11.
- 1" C. TO JUNCTION BOX (FOR FUTURE ANTENNA) ON WEST FACE OF EXTERIOR WALL 12.5' AFF.
- SEE NOTE 55 SHEET E-2. TRAFFIC SIGNAL LIGHTS.

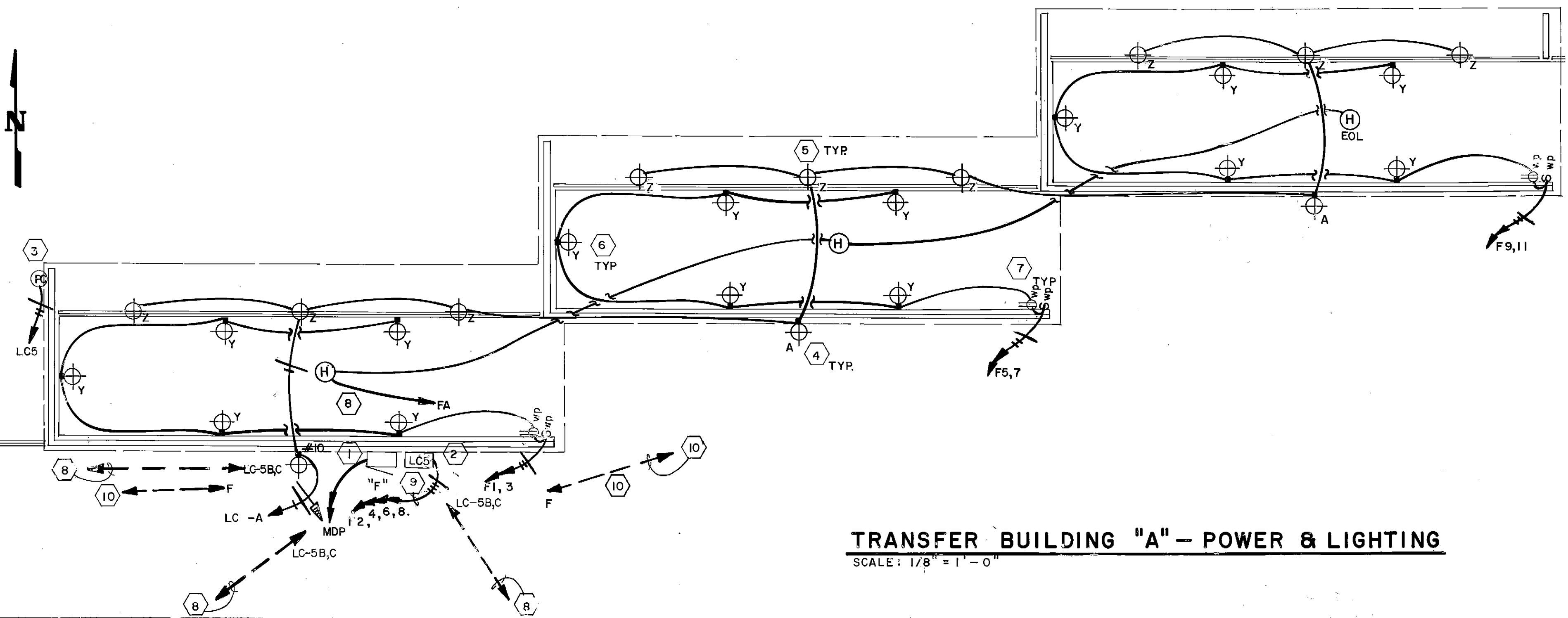


SCALE HOUSE POWER & LIGHTING
SCALE: 1/2" = 1'-0"

NOTES:

- 100A, 120/208V, 1 PHASE PANELBOARD WITH 100A MAIN CIRCUIT BREAKER IN LOCKABLE NEMA 3R ENCLOSURE. SEE POWER ONE-LINE, SHEET E-2 FOR FEEDER. GROUND PER ART. 250 N.E.C.
- LIGHTING CONTACTOR, 4-POLE, 60A RATED, 120V O/D WITH SEPARATE CONTROL CIRCUIT, LOCKABLE NEMA 3R ENCLOSURE, KEY OPERATED H-O-A. SEE SHEET E-11 FOR LGS SCHEMATIC.
- PHOTOCELL, 120V, MOUNT 11'-0" ABOVE ROOF, FACING NORTH.
- MOUNT LIGHT FIXTURE 15' ABOVE GRADE.
- MOUNT FIXTURE TO CROSS BRACES EXTENDED BETWEEN ROOF JOISTS. DO NOT PENETRATE ROOF SKIN WITH MOUNTING BOLTS.
- INSTALL FIXTURES UNDER SKIRTING AS HIGH AS POSSIBLE WITHOUT INTERFERING WITH DIFFUSER REMOVAL FOR BULB REPLACEMENT. SEE DETAIL 8 SHEET E-8 FOR TYPICAL SECTION OF TRANSFER BUILDING.
- MOUNT WEATHERPROOF RECEPTACLES 4'-0" ABOVE GRADE, WEATHERPROOF SWITCH 6'-0" ABOVE GRADE. SEE DETAIL 12 SHEET E-8.
- LIGHTING FEEDER TO TYPE B FIXTURES SEE SHEET E-2 FOR ROUTING.
- 2-#6, 1-#6 BCU, 2-#10, 2-#12 IN 1" C.
- 2-#12, 1-#12 BCU, 3/4" C. TO DUPLIX HEAT TAPE RECEPTACLE. SEE SHEET E-2, ITEM 58.

PANELBOARD A									
125 AMP MAIN BREAKER W/ 125 AMP TRIP 208Y/120 VOLTS, 3 PHASE, 4 WIRE 225 AMP MAINS									
POLE TRIP	LOAD	NO.	AMP	POLE TRIP	LOAD	NO.	AMP	POLE TRIP	LOAD
1	INTERIOR LIGHTING	1.0	2	AREA LIGHTS LC-A	1.5	1.5			
3	WATER HEATER	0.5	8	AREA LIGHTS LC-B	1.5	1.5			
5	ENTRY HEATER	1.5	6	SIGN LIGHT LC-C	0.5	0.5			
7	EXTERIOR LIGHTING	1.7	8	TRAFFIC LIGHTS	1.0	1.0			
9	BREAK AREA RECP	0.2	10	EXIT SCALE PIT H.T.	1.5	1.5			
11	ENTRY OPER RECP	0.2	12	LOAD CELL HEATERS	1.5	1.5			
13	ENTRY OPER RECP	0.2	14	ENTRY SCALE PIT H.T.	1.5	1.5			
15	ENTRY OPER RECP	0.2	16	LOAD CELL HEATERS	1.5	1.5			
17	EXIT OPER RECP	0.2	18	E. WALL HEATER	1.5	1.5			
19	EXIT OPER RECP	0.2	20	PRINTER	0.2	0.2			
21	EXIT OPER RECP	0.2	22	CASH REGISTER	0.2	0.2			
24	W. WALL HEAT	1.5	24	ELECTRIC GATE	0.8	0.8			
25	W. WALL RECP	0.2	26	CONTR. CONTROL	0.8	0.8			
27	W. WALL RECP	0.2	28	AND POWER	0.8	0.8			
29	E. COMPUTER RECP	0.2	30	T.T.L. SIGNAL LT.	0.2	0.2			
31	E. COMPUTER RECP	0.2	32	BLANK					
33	W. COMPUTER RECP	0.2	34	BLANK					
35	W. COMPUTER RECP	0.2	36	BLANK					
37	BLANK		38	BLANK					
39	BLANK		40	BLANK					
41	BLANK		42	BLANK					
TOTAL		3.5	2.7	3.8	TOTAL		5.0	5.5	5.5
TOTAL CONNECTED LOAD				25.0		KVA			
SUPPLIED FROM PANEL				69A @ 208Y					

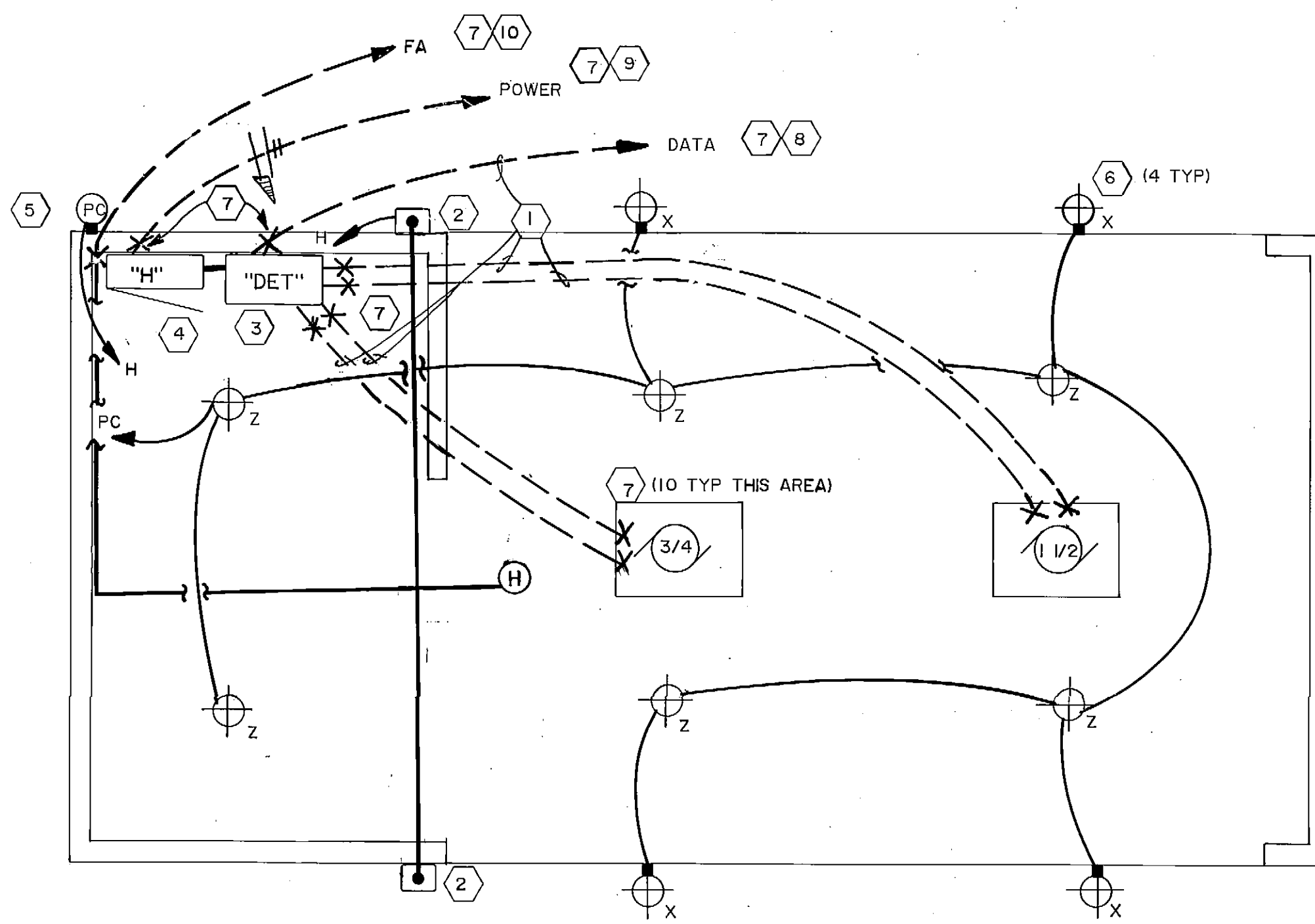


TRANSFER BUILDING "A" - POWER & LIGHTING
SCALE: 1/8" = 1'-0"

PROJECT NO.
DESIGNED: Tom Longstaff
DRAWN: Candy O.
CHECKED: Tom Longstaff
DATE: 9 March 1987
SCALE: As Shown

NO. REVISION DATE BY

SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
SCALE HOUSE, TRANSFER BLDG A
ELECTRICAL PLANS

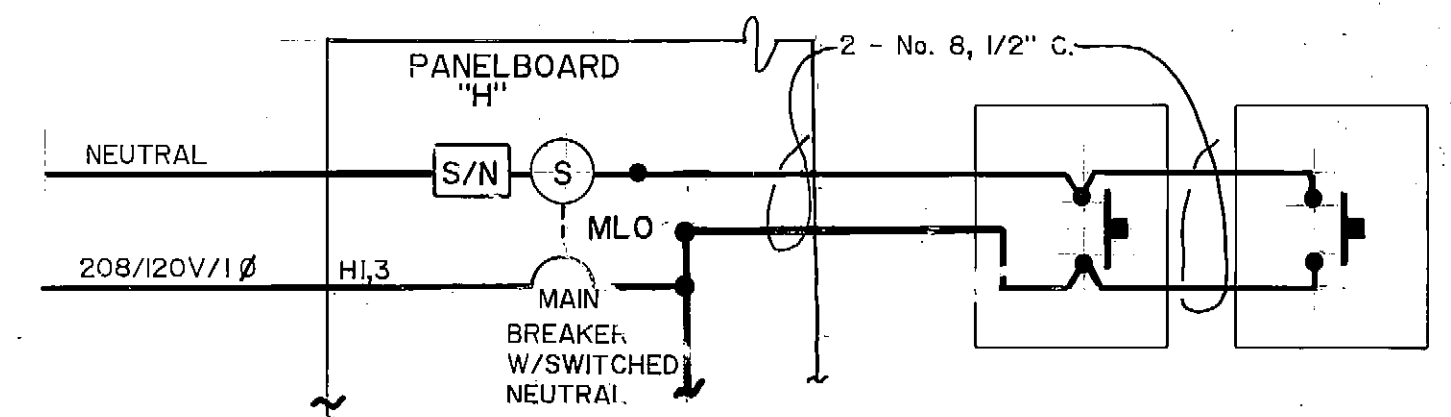


FUEL SHED AREA
SCALE: 1/2" = 1' - 0"

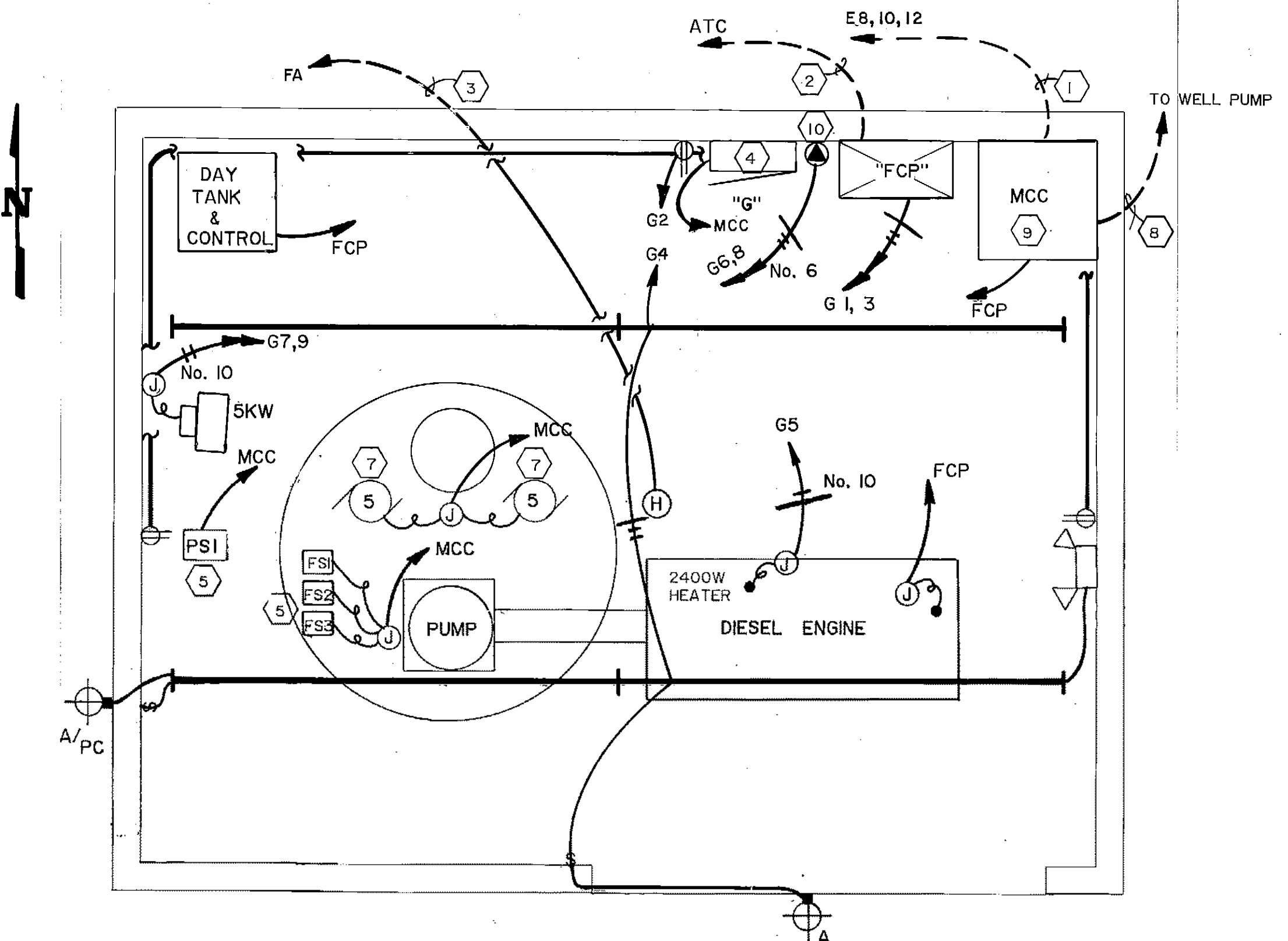
NOTES :

- SUPPLY GRC CONDUIT AND CONDUCTORS PER MANUFACTURERS REQUIREMENTS.
- FUEL SYSTEMS EMERGENCY SHUT OFF PUSH BUTTON (2 TYP). MOUNT 48" AFF. SEE DETAIL THIS SHEET. PLACARD WITH SIGN-2" RED LETTERS ON WHITE BACKGROUND "EMERGENCY SHUT OFF".
- MOUNT DATA ENTRY TERMINAL "DET" N.L.T. 3' AFF TO BOTTOM OF ENCLOSURE.
- 100A, 120/208V, 1 PHASE PANELBOARD WITH SHUNT TRIP AND NEUTRAL DISCONNECTING MAIN BREAKER. SEE PANELBOARD SCHEDULE FOR PUMP CIRCUIT ASSIGNMENTS. MOUNT N.L.T. 3' TO BOTTOM OF ENCLOSURE.
- MOUNT JUST BELOW FASCIA.
- MOUNT ON FASCIA.
- SEAL ALL STUBBED UP CONDUITS PER NEC 501.
- TO DATA TERMINAL BOARD IN BOILER ROOM. SEE ITEM 22, SHEET E-2.
- TO MDP IN BOILER ROOM. SEE ITEM 22, SHEET E-2 FOR FEEDER.
- TO FA IN BOILER ROOM. SEE ITEM 22, SHEET E-2.

PANELBOARD H		SURFACE MOUNTED		10,000		ASYM. A. I. C. MIN.	
100 AMP MAIN LUGS		120/208 VOLTS, 1 PHASE, 2 WIRE		100 AMP MAINS			
POLE TRIP NO.	AMP LOAD	A	B	POLE TRIP NO.	AMP LOAD	A	B
1	50 PANEL H	2	25	3/4HP PUMP	1.5		
3	150 MAIN BREAKER	4	40	1-1/2 HP PUMP	2.4		
2	NEUTRAL	6	20	LIGHTS	0.6		
7	SHUNT TRIP SECTION	8	20	D.E.I.	0.6		
9	SPACE	10	SPACE				
11	SPACE	12	SPACE				
TOTAL				TOTAL			
TOTAL CONNECTED LOAD				6.2 KVA			
				29.8A @ 120/208			



FUEL SHED EMERGENCY SHUT OFF
NOT TO SCALE



WATER SUPPLY BUILDING
SCALE: 1/2" = 1' - 0"

NOTES :

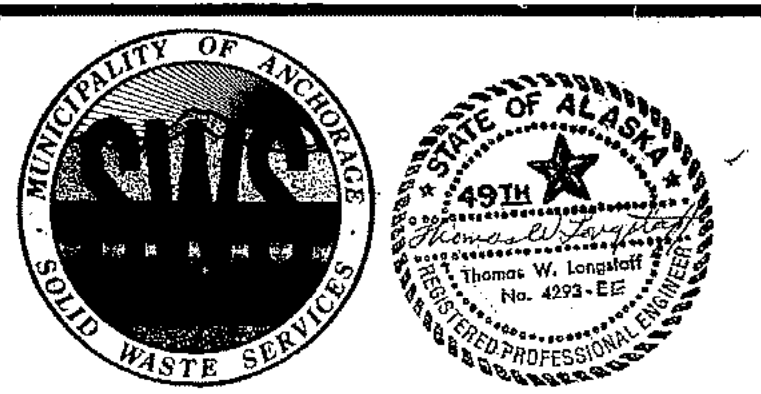
- SERVICE FEEDER. SEE NOTE 18 SHEET E-2.
- FIRE PUMP ALARM SIGNALS FOR A) ENGINE RUNNING, B) CONTROLLER SWITCH OFF, C) TROUBLE IN CONTROLLER, D) TROUBLE IN WATER SUPPLY BUILDING, E) 12 SPARE CONDUCTORS. SEE NOTE 18 SHEET E-2.
- TO FA IN BOILER ROOM. SEE NOTE 18 SHEET E-2.
- SEE PANEL DETAIL THIS SHEET.
- BOOSTER PUMP PRESSURE SWITCH, SEE CONTROL DETAIL SHEET E-10.
-
- BOOSTER PUMPS. SEE SHEET E-10.
- WELL FEEDER. SEE NOTE 16 SHEET E-2.
- MOTOR CONTROL CENTER "MCC". SEE SHEET E-10 FOR ONE-LINE.
- NEMA 6-50R OUTLET. 50A, 250V RATED.

PANELBOARD G		SURFACE MOUNTED		10,000		ASYM. A. I. C. MIN.	
100 AMP MAIN CIRCUIT BREAKER, 208Y120 VOLTS, 3 PHASE, 4 WIRE		100 AMP MAINS					
POLE TRIP NO.	AMP LOAD	A	B	POLE TRIP NO.	AMP LOAD	A	B
1	115 FIRE CONTROL PANEL	0.2	2	20 RECP	0.4		
3	115 FIRE CONTROL PANEL	0.2	4	20 LITS	1.3		
5	30 DIESEL HEATER	2.4	6	40 SPECIAL	3.1		
7	50 UNIT	2.5	8	50 RECP	3.1		
9	50 HEATER	2.5	10				
11			12				
TOTAL				3.5 1.3 3.1			
TOTAL CONNECTED LOAD				15.7 KVA			
				45.6A @ 208V			

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

PROJECT NO.
DESIGNED : Tom Longstaff
DRAWN : Condy O.
CHECKED : Tom Longstaff
DATE : 9 March 1987
SCALE : AS SHOWN

NO.	REVISION	DATE BY

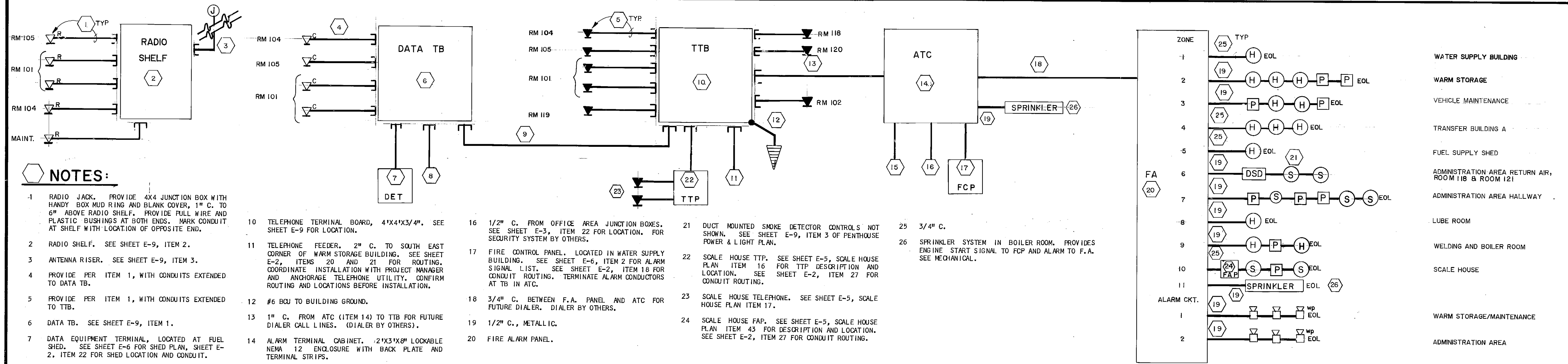
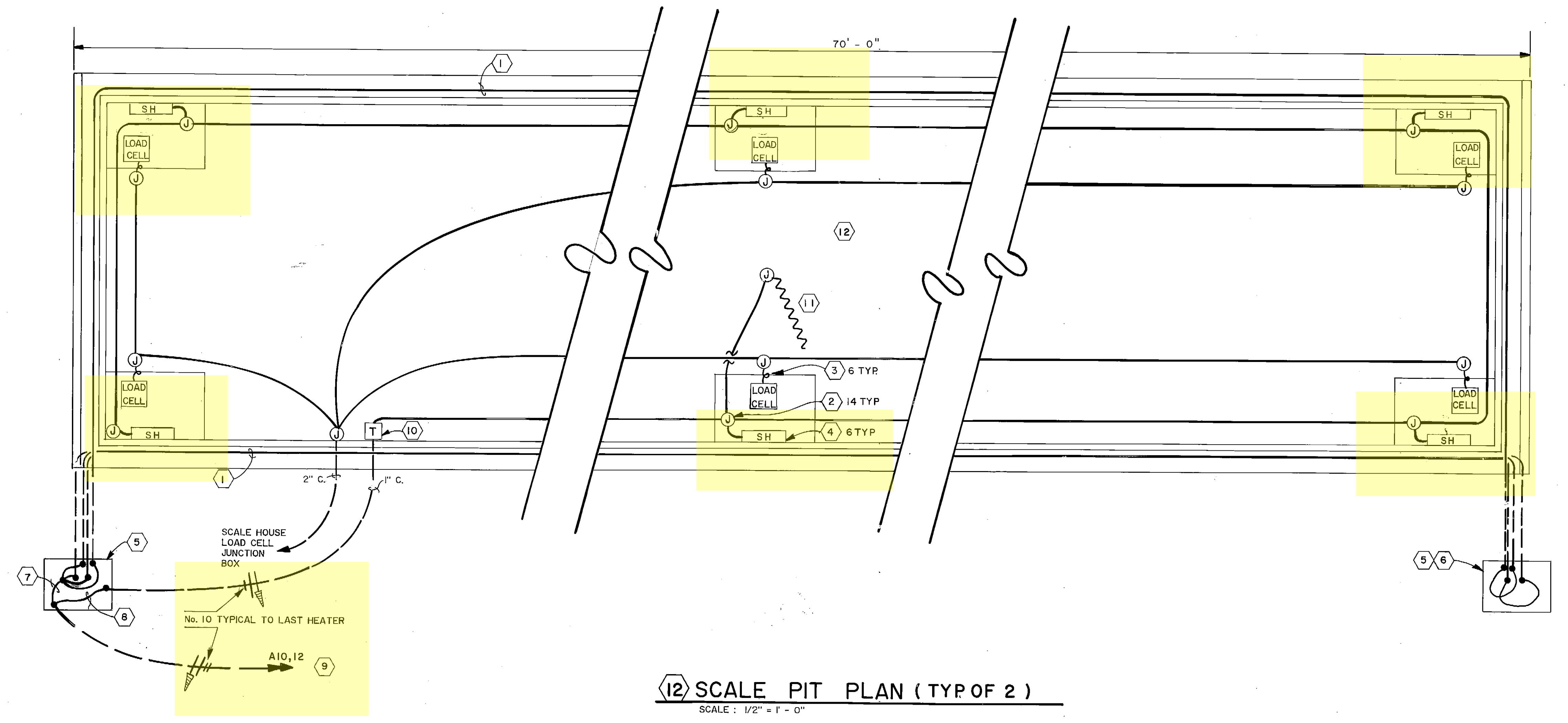


SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
WATER SUPPLY BUILDING & FUEL SHED AREA
ELECTRICAL PLANS

E-7

NOTES :

- 2-1" GRC W/5 WATT PER FOOT HEAT. SEE SHEET S-3, SECTION E & DETAIL D FOR ROUTING.
- NEMA 4 CAST BOX, SIZED FOR CONDUITS AND CONDUCTORS. SIZE CONDUITS TO CONDUCTORS. MOUNT CONDUITS TO SIDE WALLS BELOW ITEM 4.
- LOAD CELL CORD THROUGH CGB TO JUNCTION BOX.
- WALL MOUNTED STRIP HEATER, (SH), 250 WATT, 120 VAC 15" X 7" X 4" DEEP. CHROMALOX TYPE EH-1221. MOUNT 1/2" FROM WALL AND MOUNT 2" ABOVE PIER.
- TYPE I-A JUNCTION BOX IN DIRT OR WALKING AREA. SEE NOTE 12.
- SECOND JUNCTION BOX REQUIRED TO FISH HEAT TAPE THROUGH LESS THAN 4-90 DEGREE CONDUIT BENDS.
- HEAT TAPE CIRCUIT, PULL GROUND TO ALL COMPONENTS.
- LOAD CELL HEATER CIRCUITS AND DRAIN HEAT TAPE.
- CIRCUITS FOR EXIT SCALE PIT SHOWN. FOR ENTRANCE SCALE PIT USE A 14, 16.
- THERMOSTAT 0-100 DEG. F. SET AT 30 DEG. F., NEMA 4 RATED, 30A CONTACT. CHROMALOX AR-1025LT.
- 10' OF 3/4" TYPE "K" COPPER TUBING WITH 5 WATT PER FOOT HEAT TAPE IN PIT DRAIN.
- THIS PLAN IS FOR THE INBOUND SCALE PIT. (NORTH IS TO TOP OF PLAN.) FOR OUTBOUND SCALE PIT, ROTATE PLAN 180 DEG. THIS WILL ALLOW THE I-A JUNCTION BOXES TO BE LOCATED ON SCALE HOUSE DIVIDER.



NOTES :

- RADIO JACK. PROVIDE 4X4 JUNCTION BOX WITH HANDY BOX MUD RING AND BLANK COVER, 1" C. TO 6" ABOVE RADIO SHELF. PROVIDE FULL WIRE AND PLASTIC BUSHINGS AT BOTH ENDS. MARK CONDUIT AT SHELF WITH LOCATION OF OPPOSITE END.
- RADIO SHELF. SEE SHEET E-9, ITEM 2.
- ANTENNA RISER. SEE SHEET E-9, ITEM 3.
- PROVIDE PER ITEM 1, WITH CONDUITS EXTENDED TO DATA TB.
- PROVIDE PER ITEM 1, WITH CONDUITS EXTENDED TO TTB.
- DATA TB. SEE SHEET E-9, ITEM 1.
- DATA EQUIPMENT TERMINAL, LOCATED AT FUEL SHED. SEE SHEET E-6 FOR SHED PLAN, SHEET E-2, ITEM 22 FOR SHED LOCATION AND CONDUIT.
- SCALE HOUSE JUNCTION BOX, LOCATED AT SCALE HOUSE. SEE SHEET E-5 FOR PLAN, SHEET E-2, ITEM 27 FOR LOCATION AND CONDUITS.
- 2-1" C. BETWEEN TB'S. PROVIDE BUSHINGS.
- TELEPHONE TERMINAL BOARD, 4"X4"X3/4". SEE SHEET E-9 FOR LOCATION.
- TELEPHONE FEEDER, 2" C. TO SOUTH EAST CORNER OF WARM STORAGE BUILDING. SEE SHEET E-2, ITEMS 20 AND 21 FOR ROUTING. COORDINATE INSTALLATION WITH PROJECT MANAGER AND ANCHORAGE TELEPHONE UTILITY. CONFIRM ROUTING AND LOCATIONS BEFORE INSTALLATION.
- #6 BOU TO BUILDING GROUND.
- 1" C. FROM ATC (ITEM 14) TO TTB FOR FUTURE DIALER CALL LINES. (DIALER BY OTHERS).
- ALARM TERMINAL CABINET. 2'X3'X6" LOCKABLE NEMA 12 ENCLOSURE WITH BACK PLATE AND TERMINAL STRIPS.
- 2-1/2" C. FROM MAINT. & WARM STORAGE AREAS EACH RUN CONTAINS 7 JUNCTION BOXES. SEE SHEET E-4, ITEMS 8, 9 AND 10 FOR LOCATIONS. SECURITY SYSTEM BY OTHERS.
- 1/2" C. FROM OFFICE AREA JUNCTION BOXES. SEE SHEET E-3, ITEM 22 FOR LOCATION. FOR SECURITY SYSTEM BY OTHERS.
- FIRE CONTROL PANEL. LOCATED IN WATER SUPPLY BUILDING. SEE SHEET E-6, ITEM 2 FOR ALARM SIGNAL LIST. SEE SHEET E-2, ITEM 18 FOR CONDUIT ROUTING. TERMINATE ALARM CONDUCTORS AT TB IN ATC.
- 3/4" C. BETWEEN F.A. PANEL AND ATC FOR FUTURE DIALER. DIALER BY OTHERS.
- 1/2" C., METALLIC.
- FIRE ALARM PANEL.
- DUCT MOUNTED SMOKE DETECTOR CONTROLS NOT SHOWN. SEE SHEET E-9, ITEM 3 OF PENTHOUSE POWER & LIGHT PLAN.
- SCALE HOUSE TTP. SEE SHEET E-5, SCALE HOUSE PLAN ITEM 16 FOR TTP DESCRIPTION AND LOCATION. SEE SHEET E-2, ITEM 27 FOR CONDUIT ROUTING.
- SCALE HOUSE TELEPHONE. SEE SHEET E-5, SCALE HOUSE PLAN ITEM 17.
- SCALE HOUSE FAP. SEE SHEET E-5, SCALE HOUSE PLAN ITEM 43 FOR DESCRIPTION AND LOCATION. SEE SHEET E-2, ITEM 27 FOR CONDUIT ROUTING.
- 3/4" C.
- SPRINKLER SYSTEM IN BOILER ROOM. PROVIDES ENGINE START SIGNAL TO FCP AND ALARM TO F.A. SEE MECHANICAL.

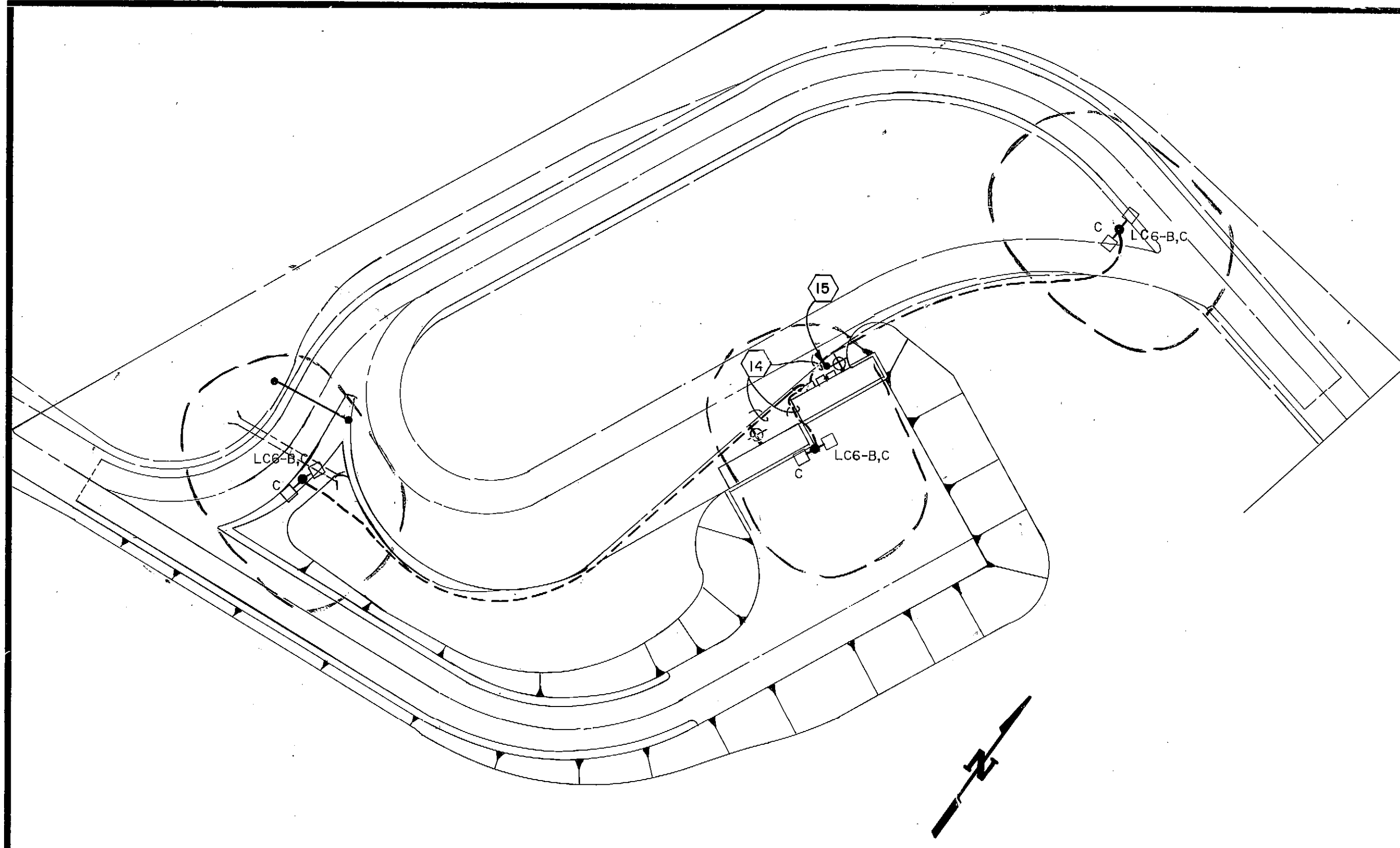
ARCTIC ENGINEERS INC.
ANCHORAGE, ALASKA

PROJECT NO.
DESIGNED : Tom Longstaff
DRAWN : Candy O.
CHECKED : Tom Longstaff
DATE : 9 March 1987
SCALE : As Shown

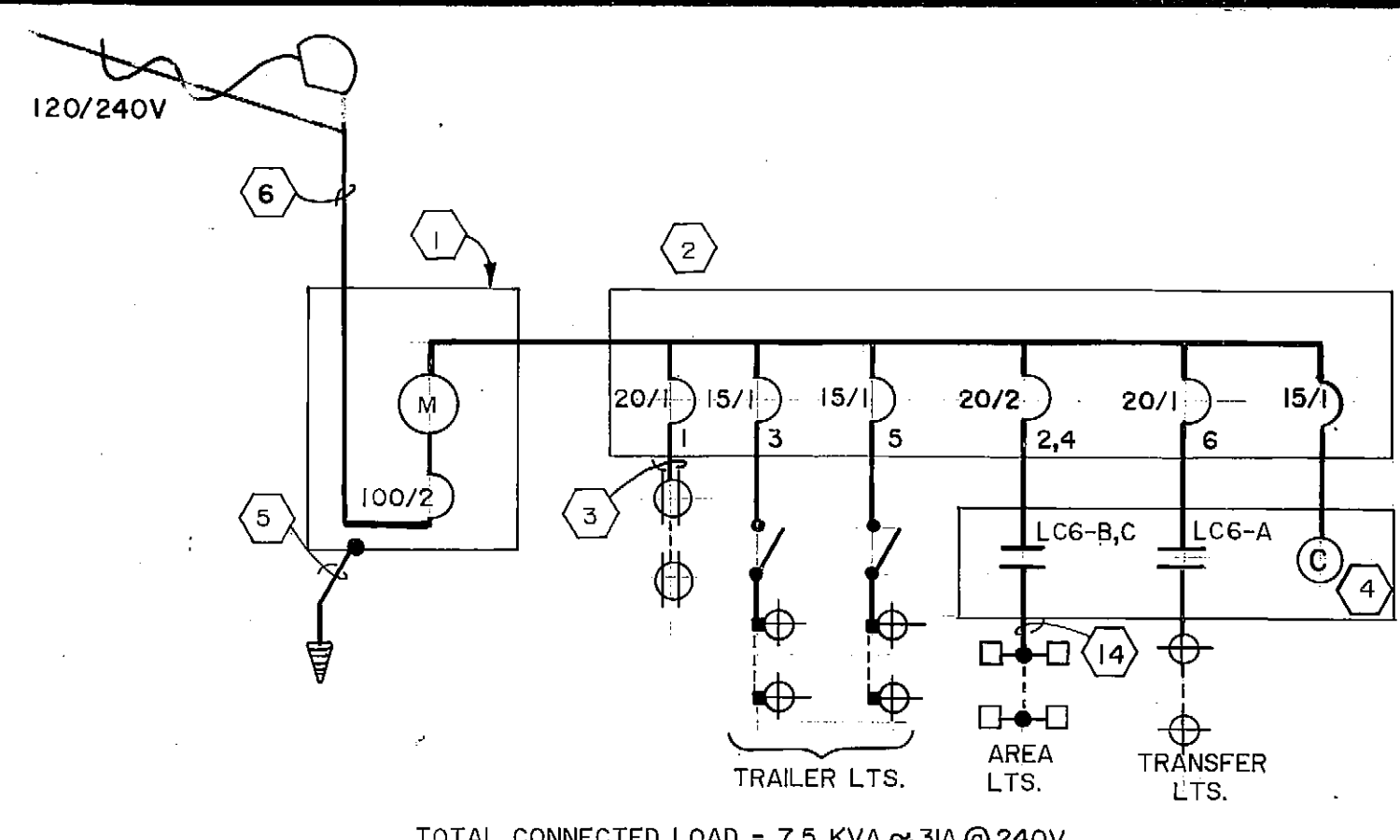
NO.	REVISION	DATE BY

STATE OF ALASKA
PROFESSIONAL ENGINEER
No. 4224-EE
Tom Longstaff

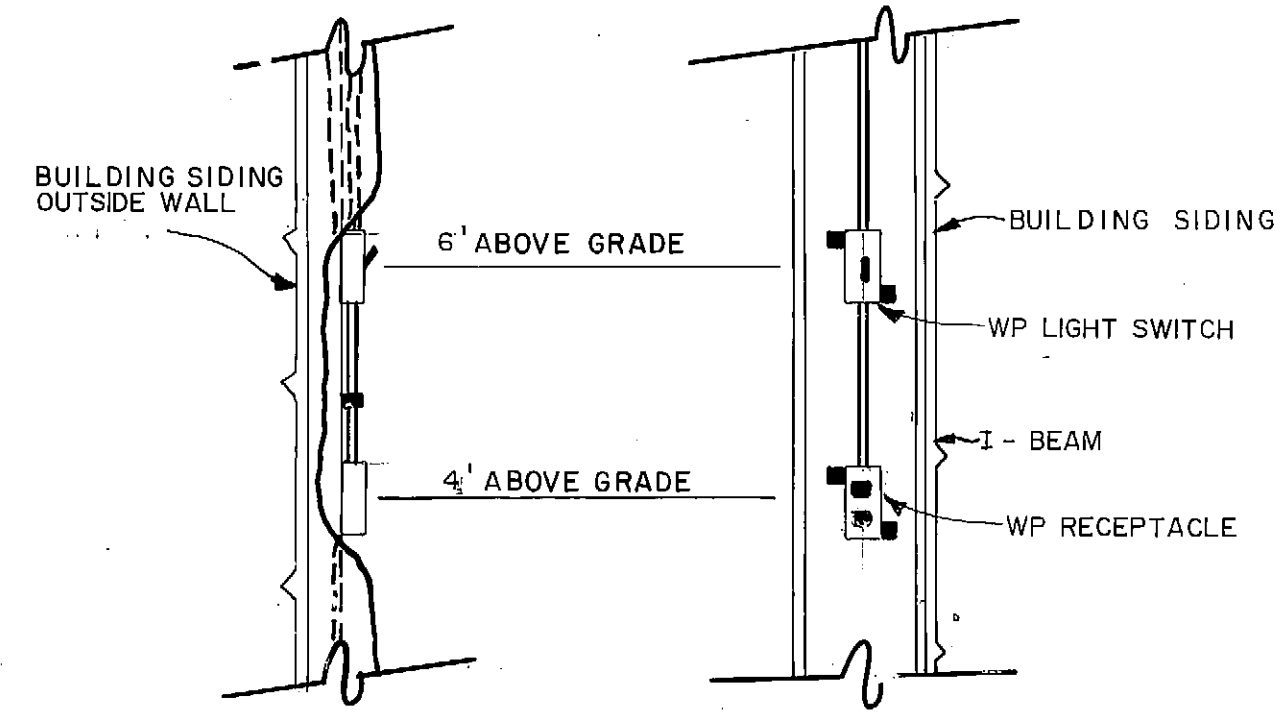
SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
SCALE PIT AND TELEPHONE, DATA, ALARM & RADIO ONE-LINE



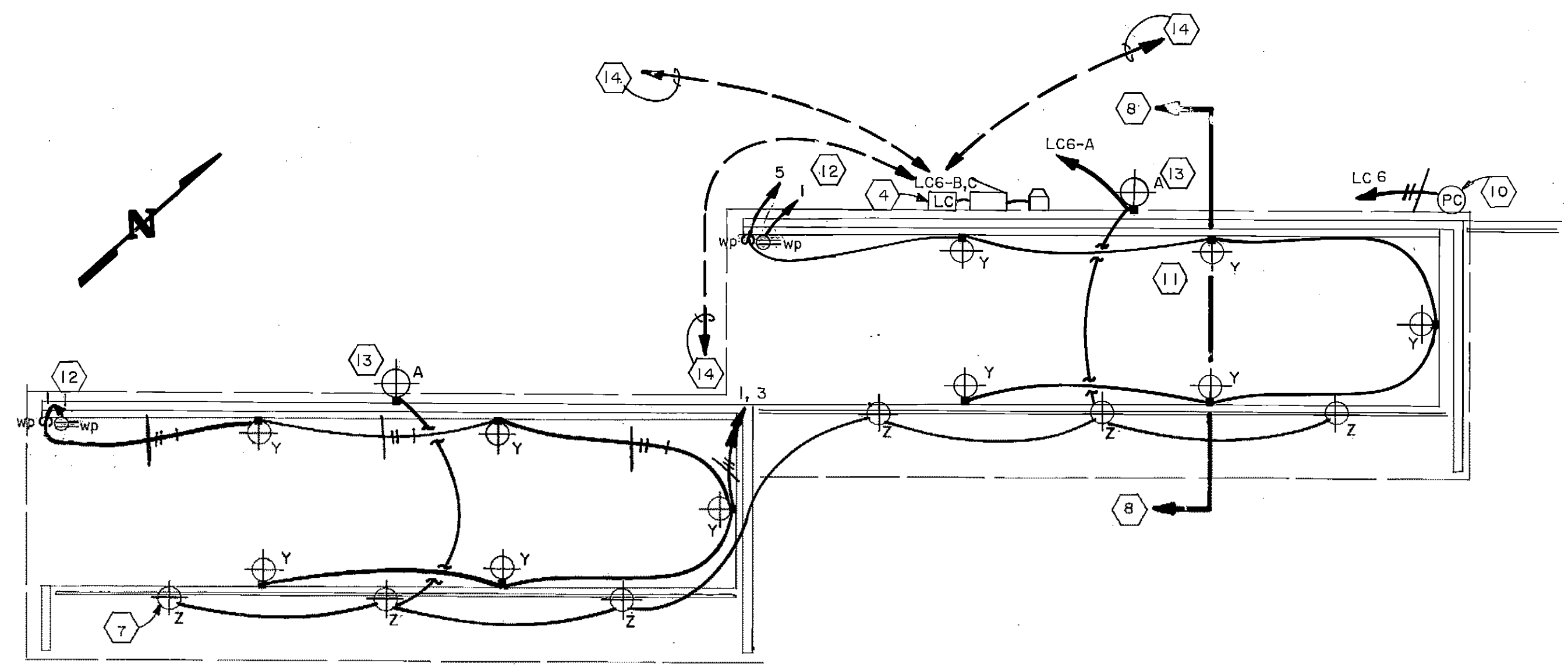
SITE PLAN
SCALE: 1" = 50.0'



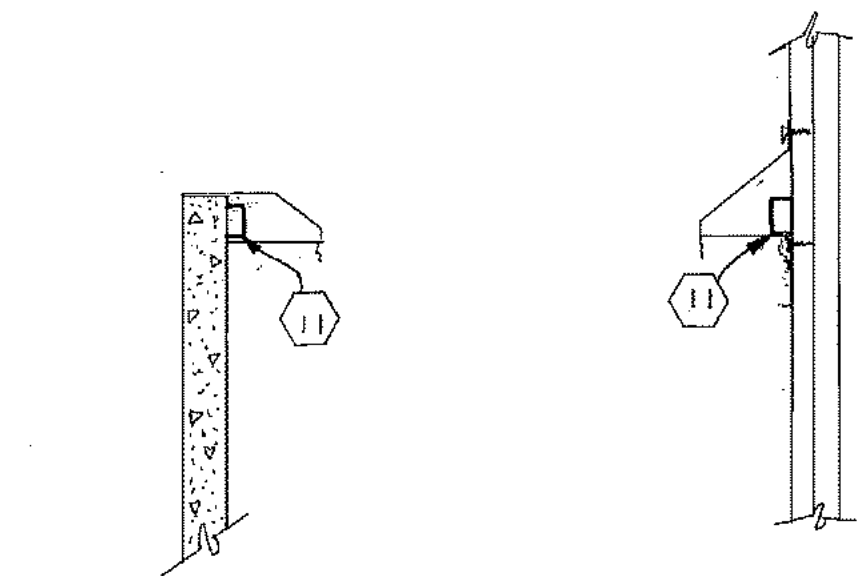
TOTAL CONNECTED LOAD = 7.5 KVA @ 240V
POWER ONE LINE
NOT TO SCALE



12 SWITCH & RECEPTACLE LOCATION



TRANSFER BUILDING "B"
SCALE: 1/8" = 1' - 0"



8 TRAILER LEVEL LIGHT
NOT TO SCALE

NOTES :

- 1 METER/MAIN COMBO. 100A, 120/240V 1-PHASE. GROUND PER ART 250 NEC.
- 2 12 SPACE, 100A, 120/240V, MLO PANELBOARD. NEMA 3R ENCLOSURE.
- 3 #12 XHHW IN METALLIC CONDUIT TYPICAL.
- 4 LIGHTING CONTACTOR, NEMA 3R, 3-POLE, 20A, 120V COIL WITH SEPERATE CONTROL VOLTAGE. SEE CONTROL DETAIL SHEET E-11.
- 5 #6 BOJ, 5/8" X 8' CU CLAD GROUND ROD.
- 6 OVERHEAD SERVICE LATERAL FROM FORT RICHARDSON GRID. OVERHEAD SERVICE ASSEMBLY CONSISTS OF 3-#2, 1-1/2" C. WITH WEATHERHEAD AND RAINTIGHT HUB. SECURE RISER TO TRANSFER BUILDING WITH GALVANIZED 2-HOLE STRAPS ATTACHED TO STRUCTURAL MEMBER.
- 7 MOUNT #2" FIXTURE TO BRACES SPANNING ROOF JOISTS. DO NOT PENETRATE BUILDING CEILING. TYPICAL.
- 8 SEE TRAILER LEVEL LIGHT DETAIL THIS SHEET.
- 9
- 10 MOUNT PHOTOCELL 21'-0" ABOVE ROOF LINE. FACE NORTH.
- 11 MOUNT TRAILER LIGHTING #11 FIXTURES AS HIGH AS POSSIBLE IN OUTLET PROVIDED IN BASE OF TRASH SKIRT WITHOUT INTERFERING WITH LENSE OR BULB REPLACEMENT.
- 12 SEE SWITCH AND RECEPTACLE MOUNTING DETAIL THIS SHEET.
- 13 MOUNT A FIXTURE 15' ABOVE GRADE.
- 14 3-#6, 1" C. TO AREA LIGHTING FIXTURE.

ARCTIC ENGINEERS INC. ANCHORAGE, ALASKA

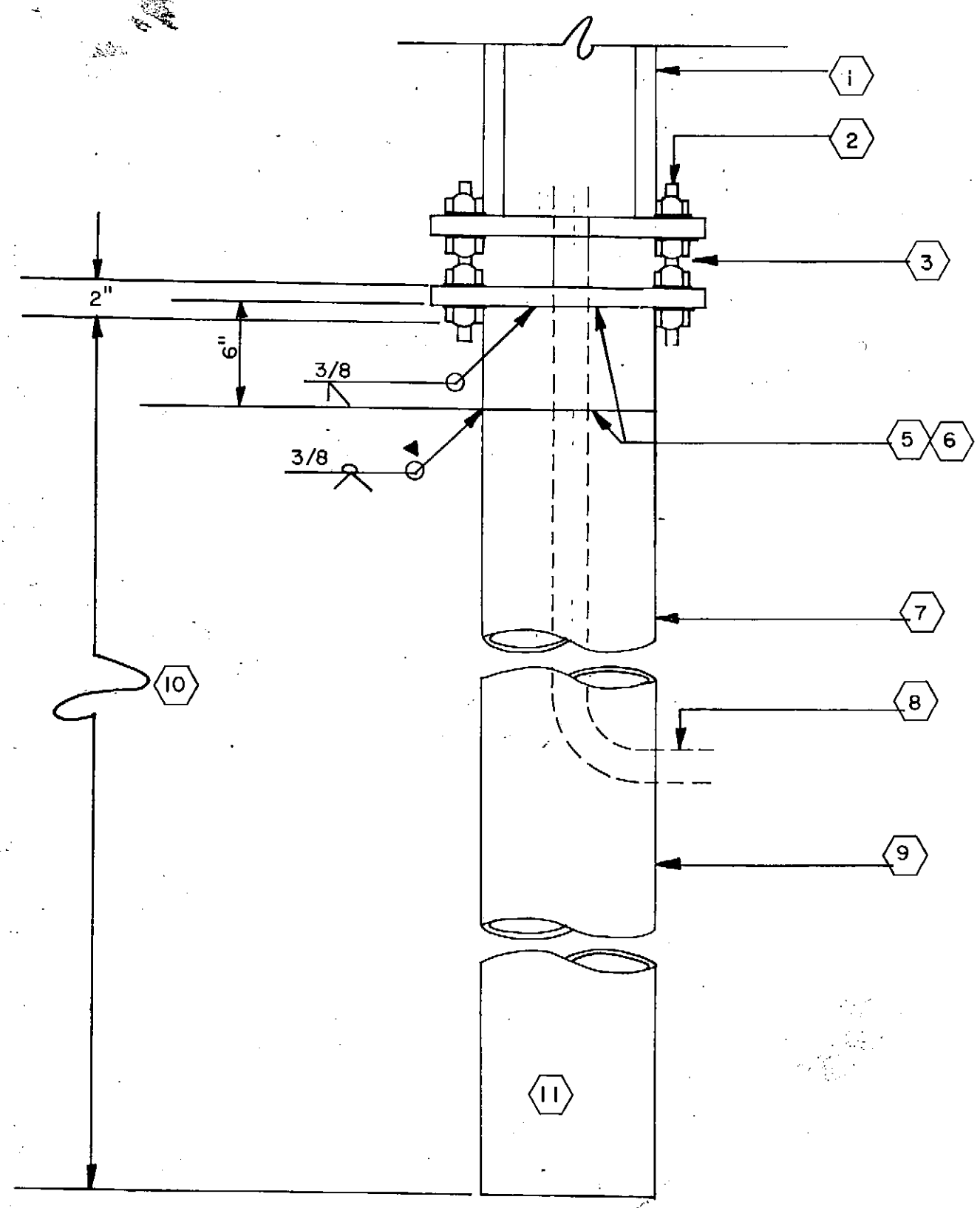
PROJECT NO.
DESIGNED: Tom Longstaff
DRAWN: Candy O.
CHECKED: Tom Longstaff
DATE: 9 MARCH 1987
SCALE: As Shown

NO.	REVISION	DATE	BY

UNIVERSITY OF ALASKA
SOLID WASTE SERVICES

STATE OF ALASKA
49TH
Thomas W. Longstaff
No. 4270-E.E.
REGISTERED PROFESSIONAL

SOLID WASTE TRANSFER FACILITY
Landfill Entrance Facility
MILITARY TRANSFER FACILITY
SITE PLAN, ELECTRICAL PLAN



AREA LIGHTING POLE FOUNDATION DETAIL

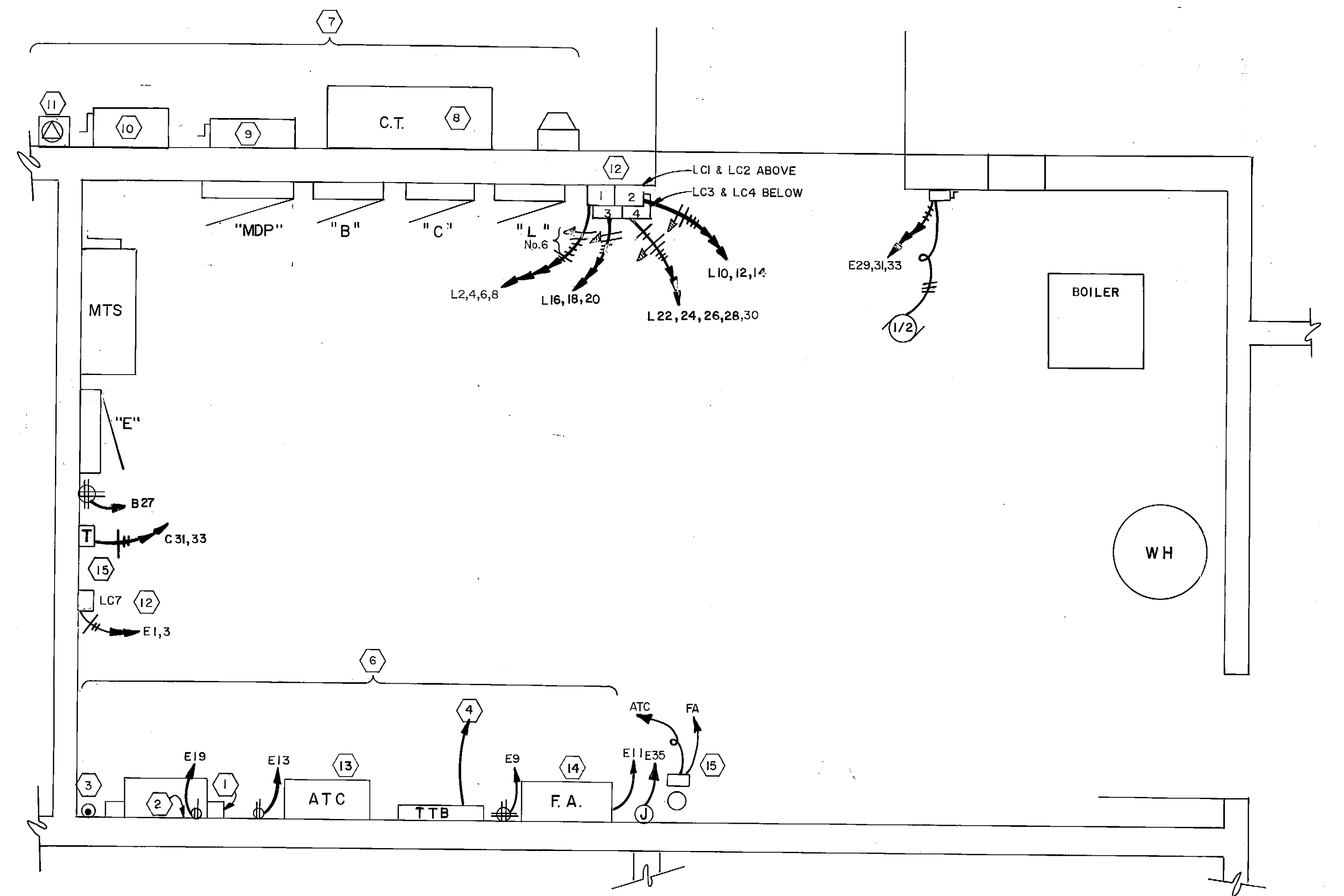
NOT TO SCALE

NOTES :

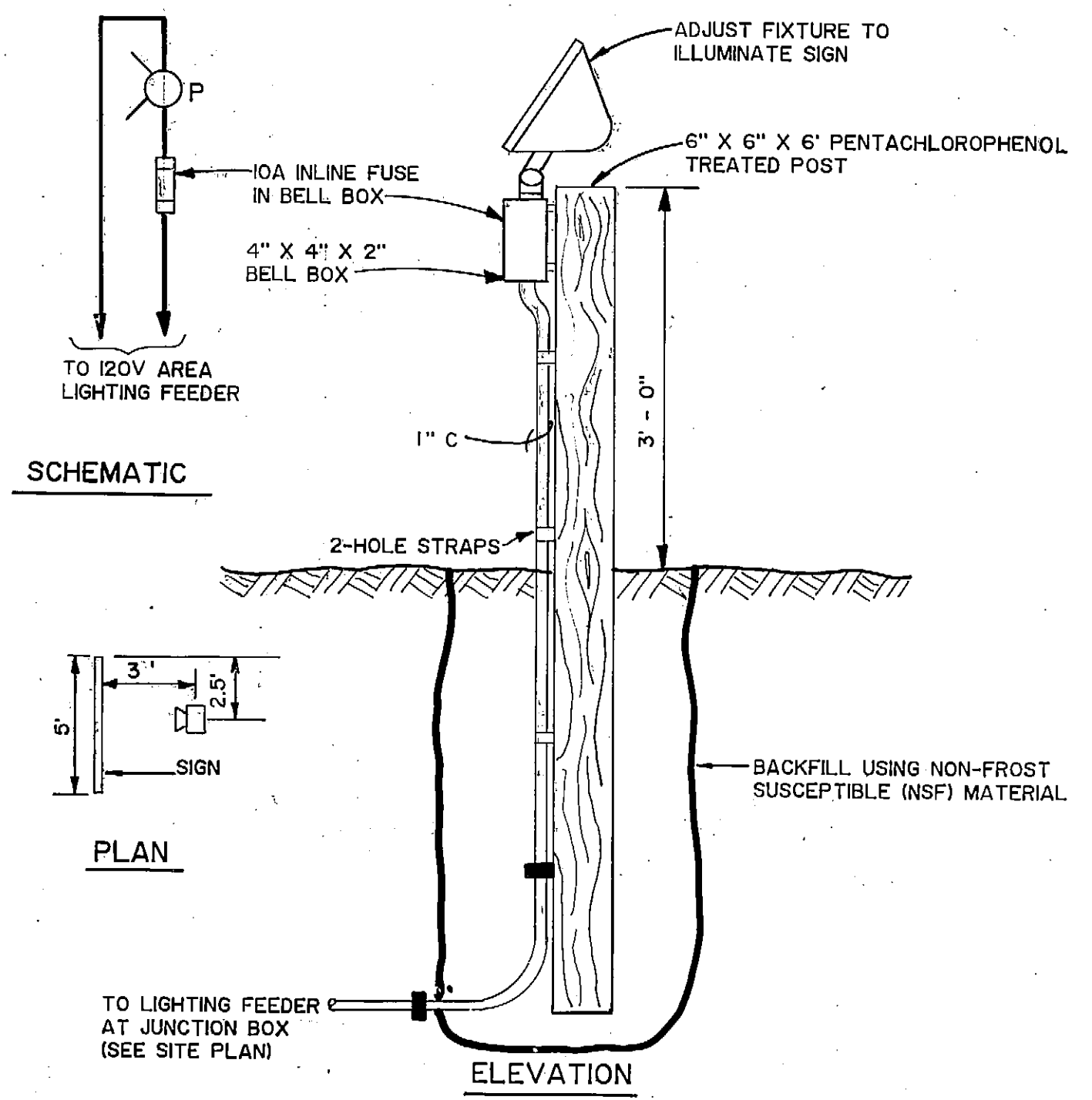
- 1 SQUARE, GALVANIZED, STEEL, 39"x7" OR SQUARE ALUMINUM 20"x4", POLE. WITH BASE & COVER PLATES.
- 2 PROVIDE ALUMINUM BASE COVER (NOT SHOWN), SECURE WITH STAINLESS STEEL BOLTS.
- 3 4-BOLT BASE WITH ANCHOR BOLTS ON 14" BOLT CIRCLE, OR PROVIDE ADAPTER PLATE AS REQUIRED FOR PROPER INSTALLATION.
- 4
- 5 SHOP FABRICATED POLE BASE ADAPTER PLATE MACHINED TO MATCH SUPPLIED POLE BASE. 1-1/8" A36 STEEL PLATE WITH
- 6 10" NOMINAL DIAMETER SCHEDULE 40 (0.365 WALL) STEEL PIPE.
- 7 THE TOP 2' OF PIPE IS TO BE PAINTED WITH 1 COAT OF EPOXY PRIMER AND 2 COATS OF ZINC RICH PAINT.
- 8 1" GRC THROUGH MINIMUM 2-1/2" DIAMETER HOLE (ONE ON EACH SIDE) IN PIPE 36" BELOW SURFACE. PROVIDE 1 CONDUIT FOR EACH RUN OF CONDUCTORS (ENTRY AND EXIT TO NEXT POLE, OMIT LAST POLE).
- 9 10" NOMINAL DIAMETER SCHEDULE 40 (0.365) WALL STEEL PIPE.
- 10 15' EMBEDMENT DEPTH.
- 11 DRILL AND DRIVE PIPE. AREA CONTAINS LARGE ROCK FORMATIONS THAT MAY INTERFERE WITH PIPE DRIVING.

NOTES :

- 1 DATA TERMINAL BOARD. STUB UP CONDUITS FROM JACK LOCATIONS IN OFFICE AND FUEL SUPPLY SHED. BOARD CONSIST OF 2X2X3/4" PLY, MOUNTED + 2' AFF.
- 2 RADIO EQUIPMENT SHELF. PROVIDE SHELF CAPABLE OF SUSTAINING 50 LB. OF RADIO EQUIPMENT. STUB CONDUITS FROM RADIO JACK LOCATIONS TO THIS POINT.
- 3 RADIO ANTENNA RISER. PROVIDE 1" C. FROM RADIO SHELF TO PEAK OF ROOF ABOVE SHOP AREA. ROUTE CONDUIT ALONG CEILING TO NORTHFACING SHOP WALL AND THEN UP TO A JUNCTION BOX AT EYE. PROVIDE PULL WIRE FOR ANTENNA INSTALLATION BY OTHERS.
- 4 TELEPHONE TERMINAL BOARD. SEE ONE-LINE ON SHEET E-11. SEE SHEET E-2 FOR TELEPHONE CONDUIT ROUTING TO OUT BUILDINGS AND TELEPHONE SERVICE PEDESTAL.
- 5 WARM STORAGE EXHAUST FAN TIMER. COORDINATE INITIAL SETTING WITH PROJECT MANAGER.
- 6 SEE SHEET E-7 FOR FIRE, TELEPHONE, DATA, ALARM AND RADIO ONE-LINE.
- 7 SEE SHEET E-2 FOR POWER ONE-LINE. SERVICE, DISTRIBUTION AND COMMUNICATION EQUIPMENT SHOWN REPRESENTS LAYOUT ONLY. INTERCONNECTIONS BETWEEN SERVICE AND DISTRIBUTION EQUIPMENT IS DEFINED ON SHEET E-2, COMMUNICATIONS ON SHEET E-7.
- 8 C.T. ENCLOSURE. SEE ITEM 31, SHEET E-2.
- 9 600A DISCONNECT. SEE ITEM 33, SHEET E-2.
- 10 400A DISCONNECT. SEE ITEM 35, SHEET E-2.
- 11 MOTOR INLET WITH ENCLOSED CIRCUIT BREAKER. MOUNT +3' ABOVE GRADE. SEE ITEMS 37 & 38, SHEET E-2.
- 12 LIGHTING CONTACTORS, LC1-4 & LC-7. SEE DETAIL ON SHEET E-11.
- 13 ALARM TERMINAL CABINET. SEE ONE-LINE SHEET E-7.
- 14 FIRE ALARM PANEL. SEE ONE-LINE SHEET E-7.



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

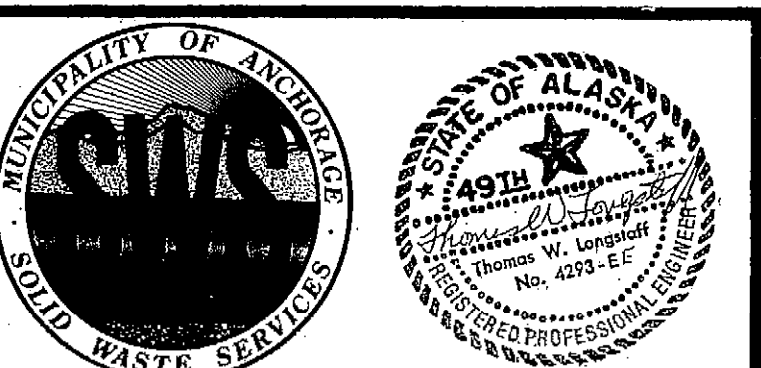


SIGNLIGHT DETAIL
NOT TO SCALE

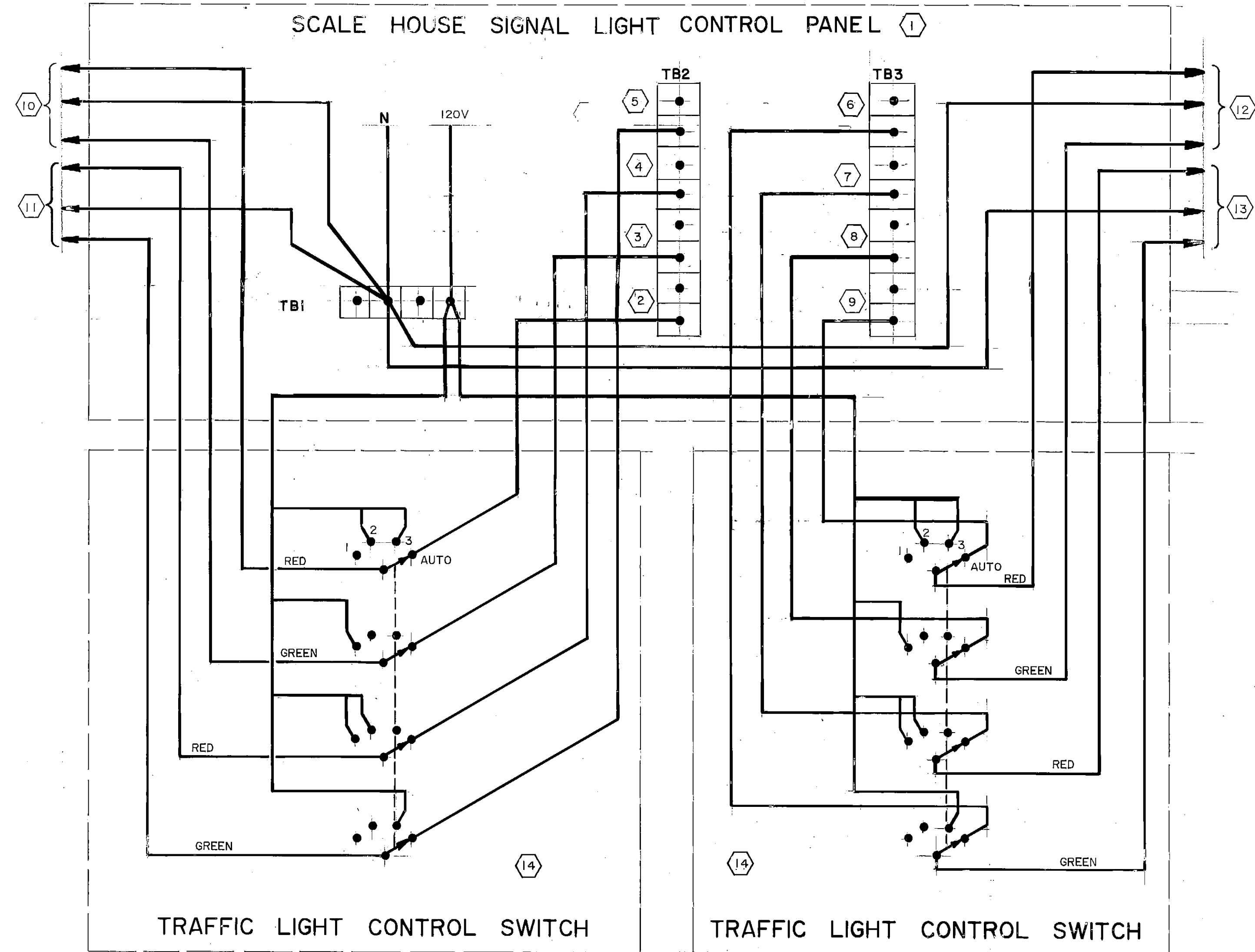


PROJECT NO.
 DESIGNED : Tom Longstaff
 DRAWN : Candy O.
 CHECKED : Tom Longstaff
 DATE : 9 March 1987
 SCALE : As Shown

NO.	REVISION	DATE BY



SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MISCELLANEOUS DETAILS



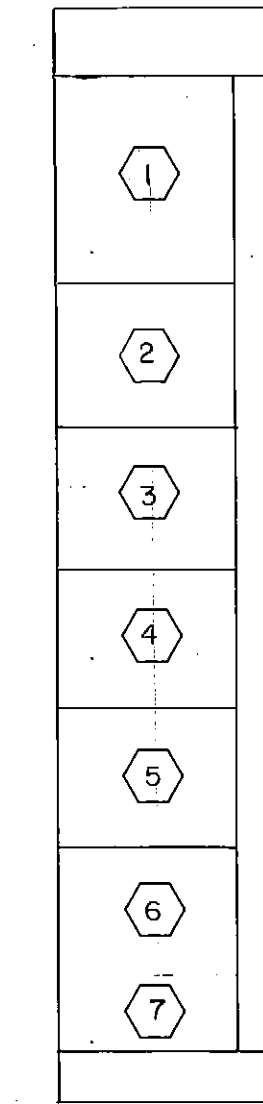
SCALE HOUSE TRAFFIC LIGHT CONTROL CIRCUIT

NOTES :

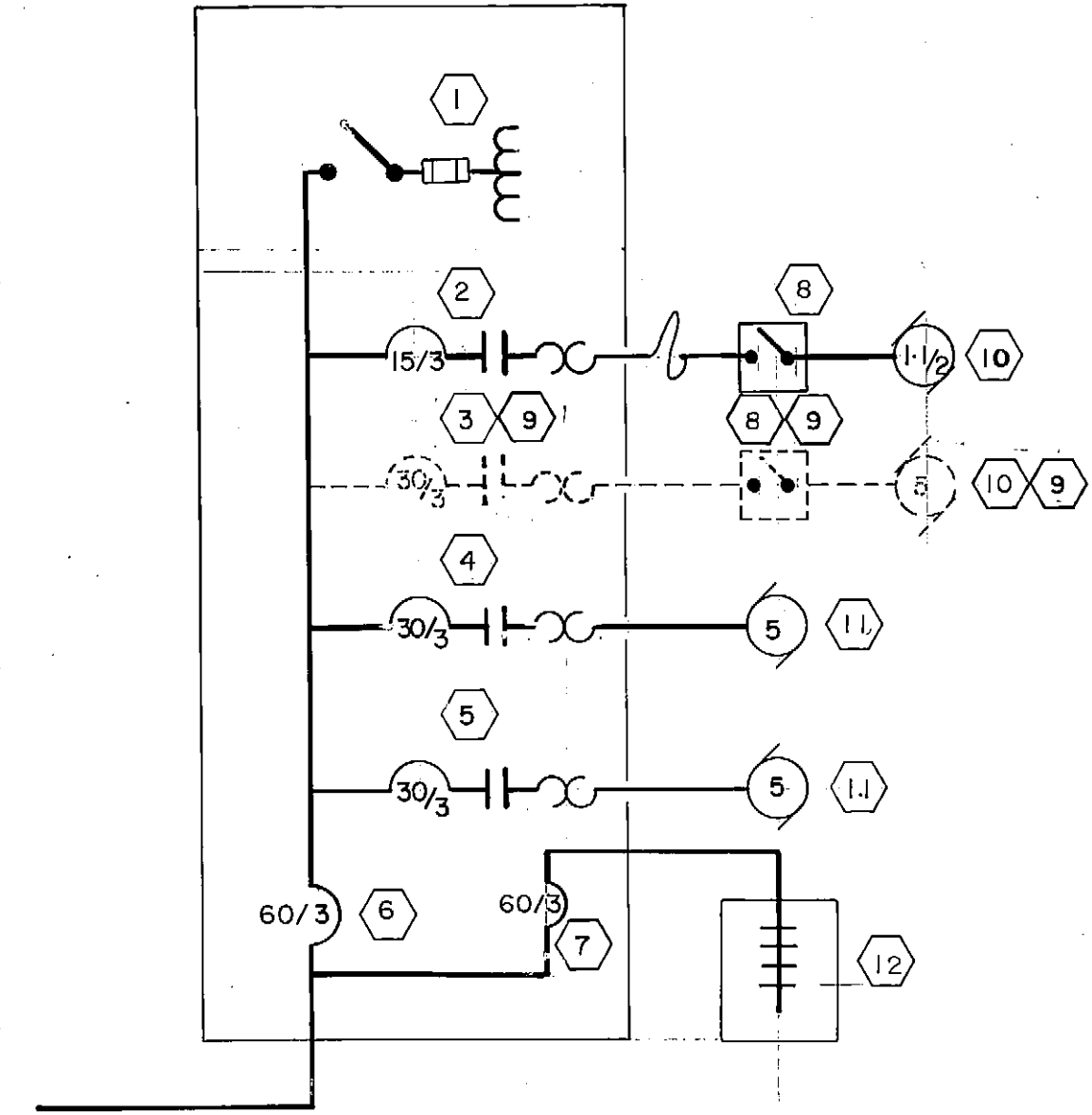
- 1 SIGNAL LIGHT CONTROL PANEL. SUPPLIED BY OWNER.
- 2 INBOUND REAR RED LIGHT AUTOMATIC SIGNAL.
- 3 INBOUND REAR GREEN LIGHT AUTOMATIC SIGNAL.
- 4 INBOUND FRONT RED LIGHT AUTOMATIC SIGNAL.
- 5 INBOUND FRONT GREEN LIGHT AUTOMATIC SIGNAL.
- 6 OUTBOUND FRONT GREEN LIGHT AUTOMATIC SIGNAL.
- 7 OUTBOUND FRONT RED LIGHT AUTOMATIC SIGNAL.
- 8 OUTBOUND REAR GREEN LIGHT AUTOMATIC SIGNAL.
- 9 OUTBOUND REAR RED LIGHT AUTOMATIC SIGNAL.
- 10 TO INBOUND REAR SIGNAL LIGHTS.
- 11 TO INBOUND FRONT SIGNAL LIGHTS.
- 12 TO OUTBOUND REAR SIGNAL LIGHTS.
- 13 TO OUTBOUND FRONT SIGNAL LIGHTS.
- 14 NEMA 12 ENCLOSURE WITH 4 GANG, 4 POSITION SWITCH WITH 10AMP RATED CONTACTS.

NOTES :

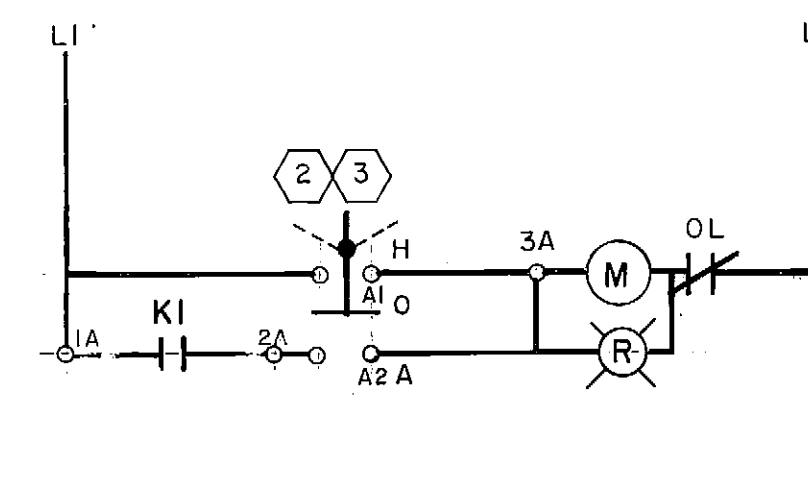
- 1 CONTROL RELAY SECTION WITH FUSED SAFETY SWITCH AND 24VAC POWER SUPPLY.
- 2 WELL PUMP COMBINATION MOTOR STARTER WITH AUTOMATIC CONTROL START/STOP FROM RELAY K1.
- 3 FUTURE WELL PUMP MOTOR STARTER. LEAVE SPACE FOR SIZE 1 COMBINATION MOTOR STARTER. CONTROL S SHOWN FOR FUTURE WIRING BY OTHERS.
- 4 BOOSTER PUMP NO.1 COMBINATION MOTOR STARTER WITH AUTOMATIC ALTERNATION CONTROL FROM ALTERNATOR "A" AND FROM RELAY K4.
- 5 BOOSTER PUMP NO. 2 COMBINATION MOTOR STARTER WITH AUTOMATIC ALTERNATION CONTROL FROM ALTERNATOR "A" AND FROM RELAY K3.
- 6 MAIN MCC CIRCUIT BREAKER RATED FOR 240VAC.
- 7 MAIN PNL "G" CIRCUIT BREAKER RATED FOR 240 VAC.
- 8 THREE POLE, 30AMP RATED NEMA 4 DISCONNECT AT WELL SITE.
- 9 FUTURE.
- 10 WELL PUMP.
- 11 BOOSTER PUMP.
- 12 PNL "G". SEE SHEET E-6 FOR LOCATION.
- 13 MCC. SEE SHEET E-6 FOR LOCATION.
- 14 LOW WATER LEVEL ALARM TO ATC IN BOILER ROOM VIA FCP AT WATER SUPPLY BUILDING. SEE ITEM 17, SHEET E-7.



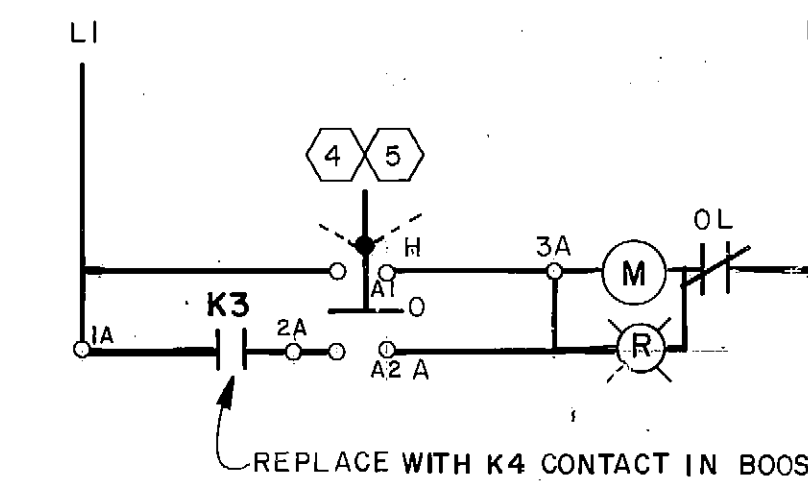
MCC ELEVATION



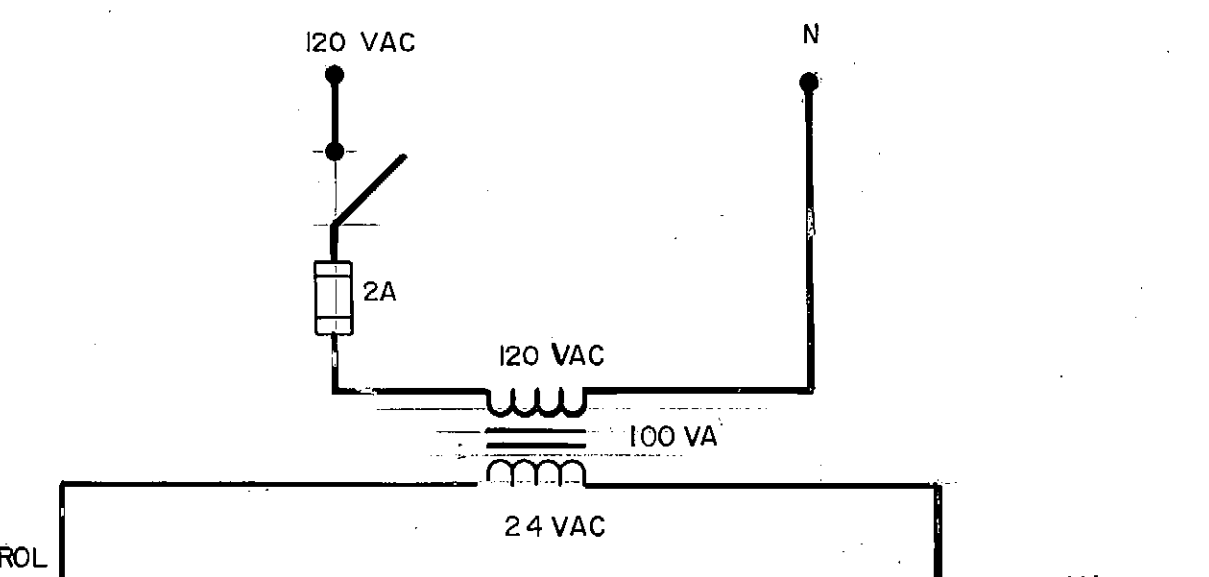
MCC ONE LINE



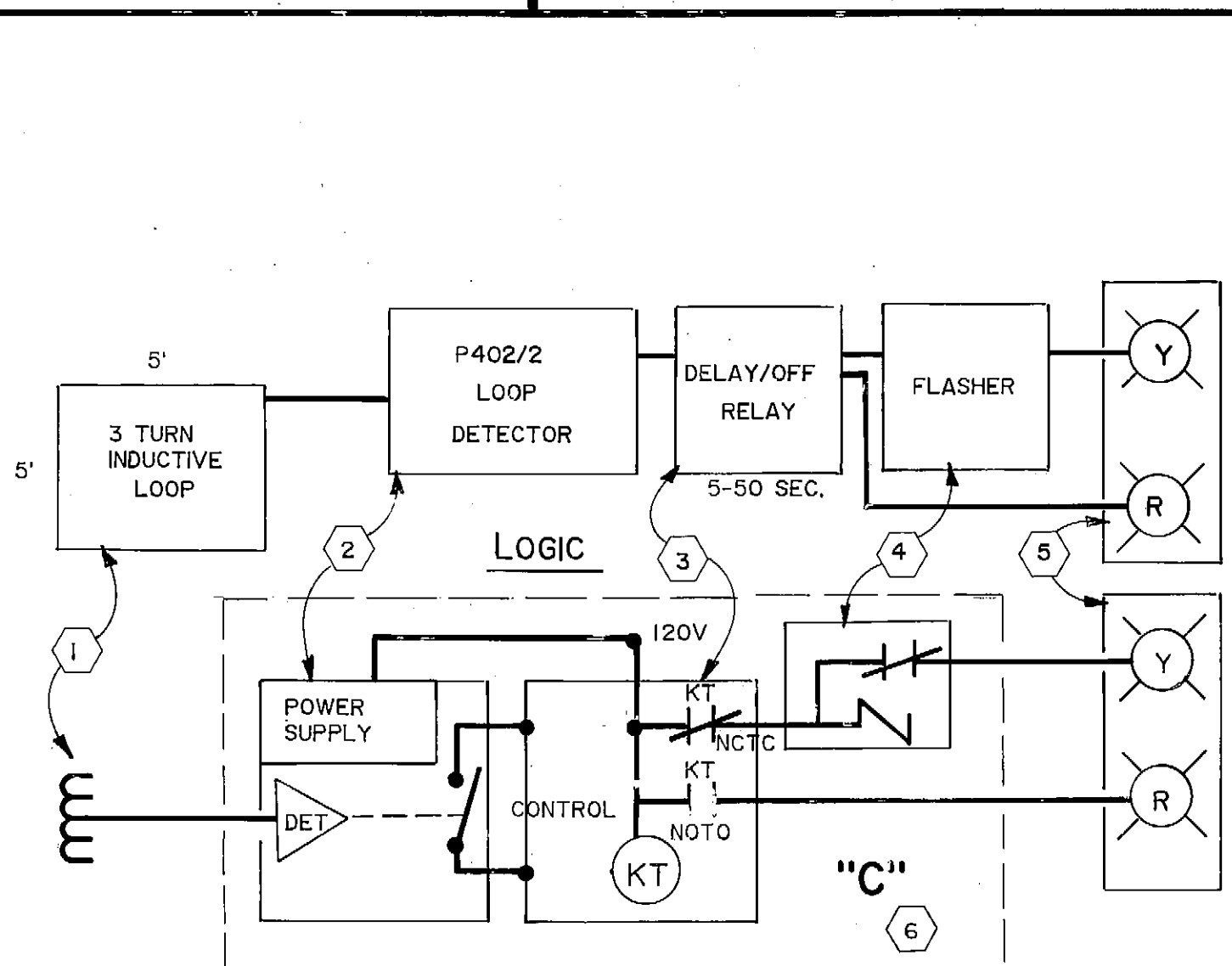
WELL PUMP CONTROL (2 TYP)



BOOSTER PUMP CONTROL (2 TYP)



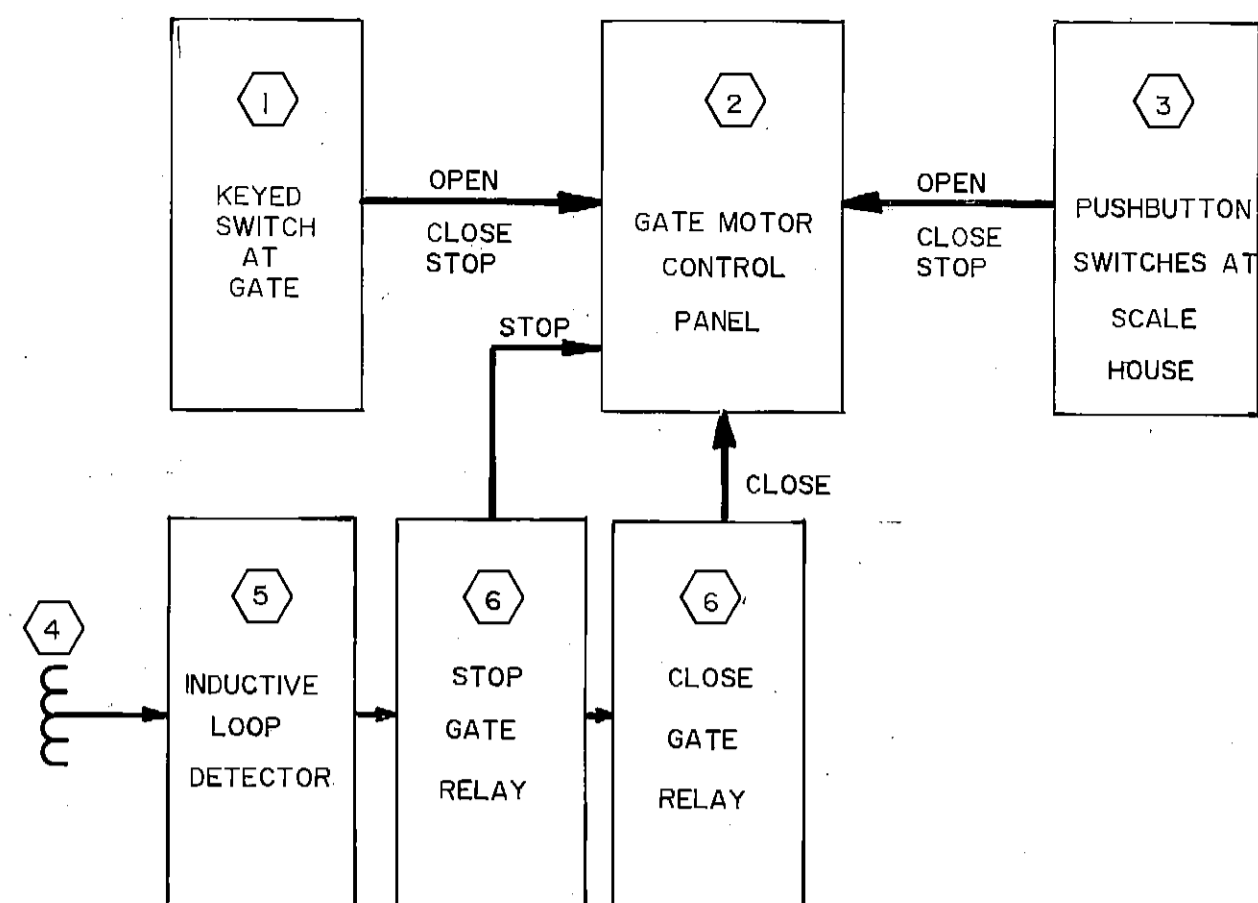
CONTROL RELAYS



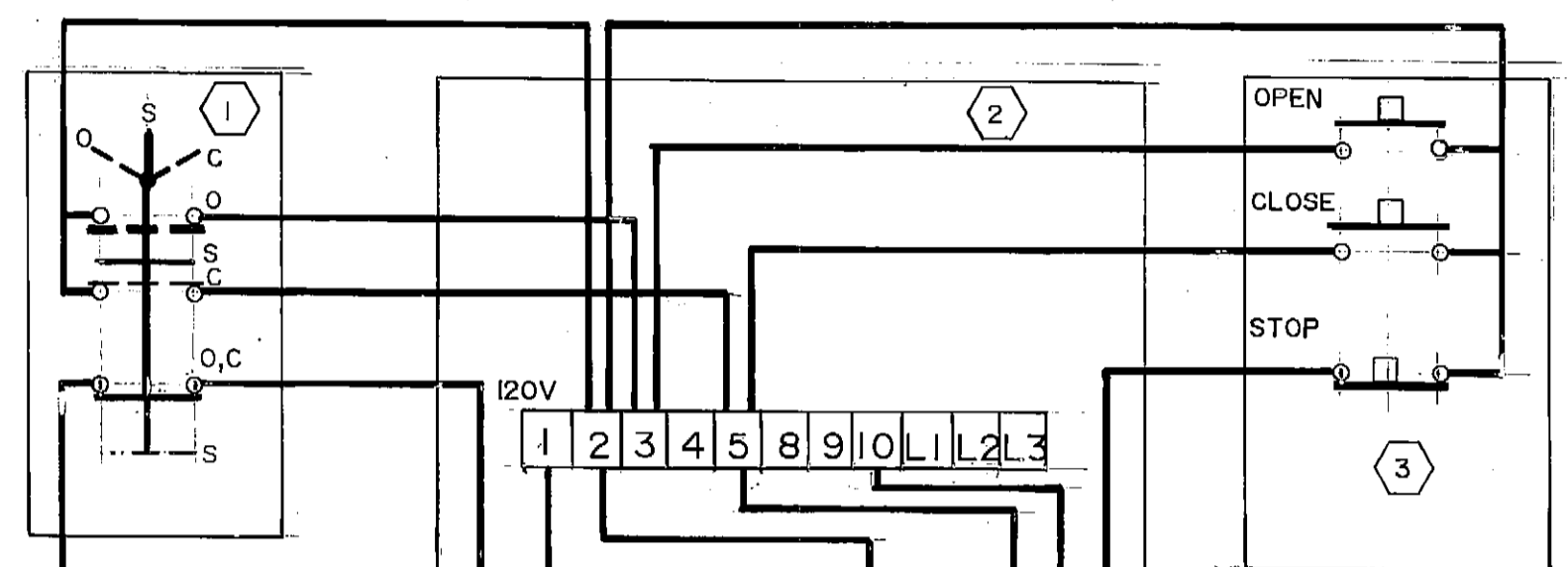
TRANSFER TRUCK LANE LIGHT CONTROL

NOTES :

- 1 INSTALL PER DETAIL E-11.
- 2 MANUFACTURED BY TRAFFIC CONTROL DEVICES DEPT./3M, MODEL P402/2.
- 3 RELAY, 11 PIN, PLUG IN WITH MATCHING BASE. TIME DELAY VARIABLE 1-50 SECONDS. EQUAL TO AGASTAT SCCRX022ACA.
- 4 AUTO SENSOR CONTROL MODEL 2017.
- 5 TRAFFIC LIGHT. SUPPLIED BY OWNER.
- 6 ENCLOSURE (SEE SHEET E-5, SCALE HOUSE PLAN, ITEM 50).



CONTROL LOGIC

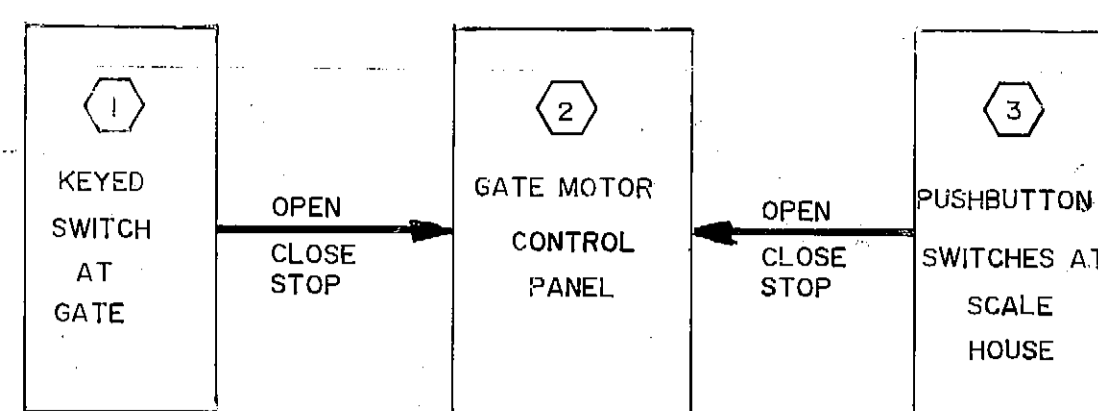


CONTROL CIRCUIT

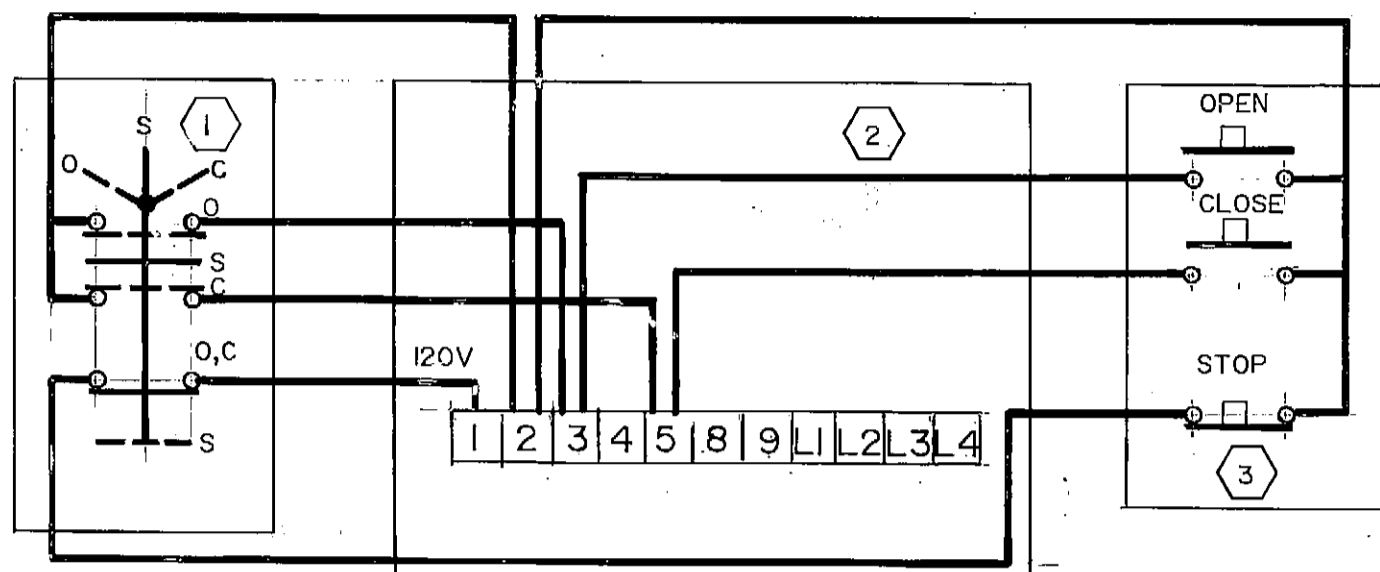
ENTRY GATE CONTROLS

NOTES :

- THREE POSITION OIL TIGHT KEYED SWITCH WITH "OPEN-STOP-CLOSE" LEGEND PLATE IN NEMA 4 ENCLOSURE, KEY REMOVABLE ONLY IN OPEN OR CLOSE POSITION. KEY ENTRY AND EXIT SWITCHES THE SAME.
- SEE PANEL DETAIL THIS SHEET.
- THREE HEAVY DUTY, OIL TIGHT PUSH BUTTONS WITH "OPEN", "STOP" AND "CLOSE" LEGEND PLATES IN NEMA 13 ENCLOSURE. SEE ITEM 41, SHEET E-5.
- SEE ITEM 12, SHEET E-2 FOR LOCATION 75' FROM GATE.
- MANUFACTURED BY TRAFFIC CONTROL DEVICES DEPT. /3M, MODEL P402/2. POWER FROM GATE CONTROL VOLTAGE FEEDER.
- RELAY, 11 PIN, PLUG IN WITH MATCHING BASE. TIME DELAY UPON RELEASE SET AT 1 SECOND. EQUAL TO AGASTAT SCCR022ACA.

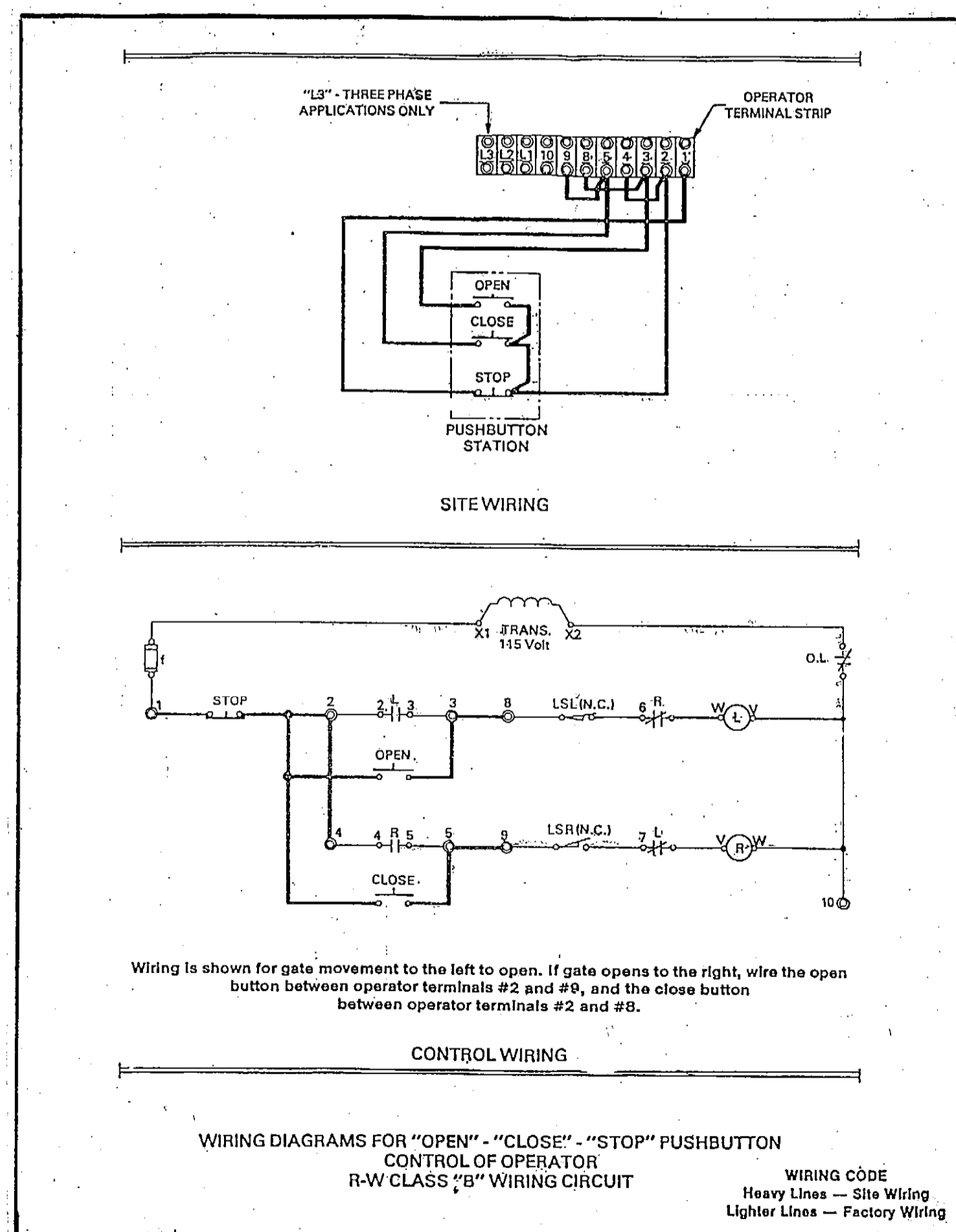


CONTROL LOGIC



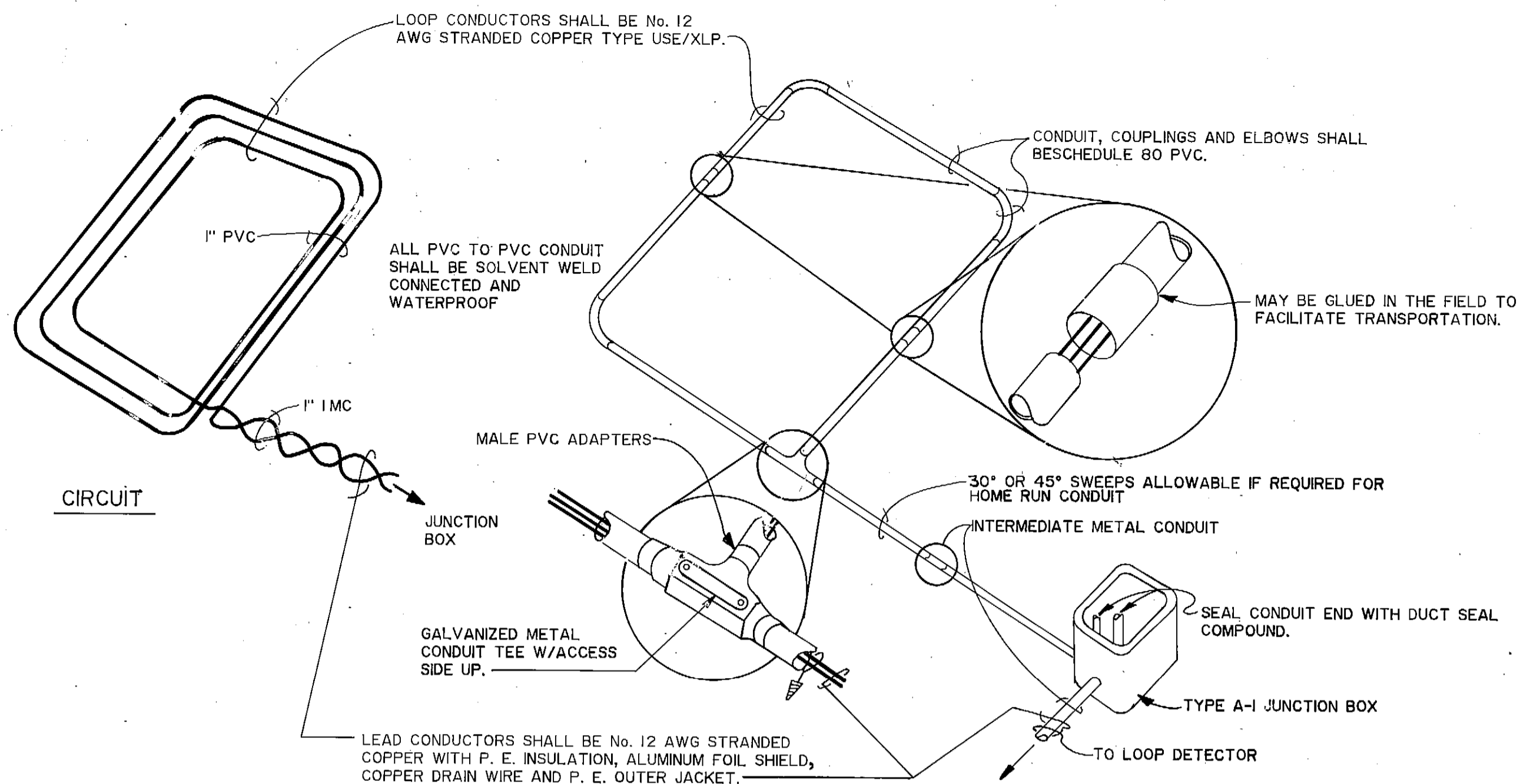
CONTROL CIRCUIT

EXIT GATE CONTROLS

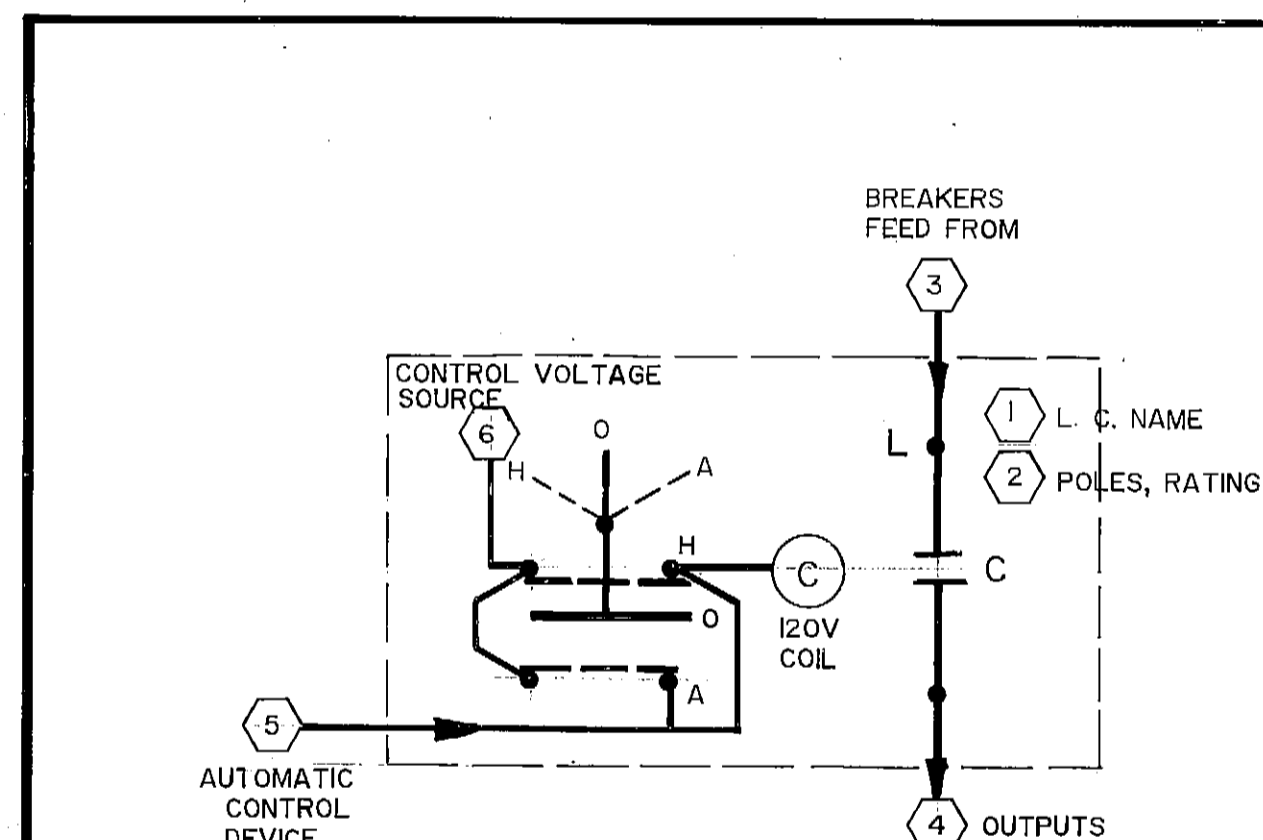


2 GATE MOTOR CONTROL PANEL

Additional control stations may be applied to this control circuit by wiring the "Stop" contacts of all stations in series with the "Stop" pushbutton shown. Wire "Open" and "Close" contacts in parallel with "Open" and "Close" push button shown. Note that all "Stop" contacts must be wired in series in the wire from terminal number 1 prior to supplying "Open" or "Close" contacts.



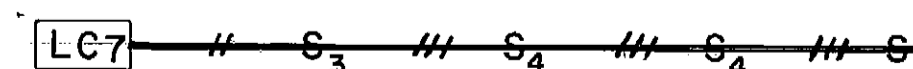
CONDUIT ENCASED INDUCTIVE LOOP DETAIL



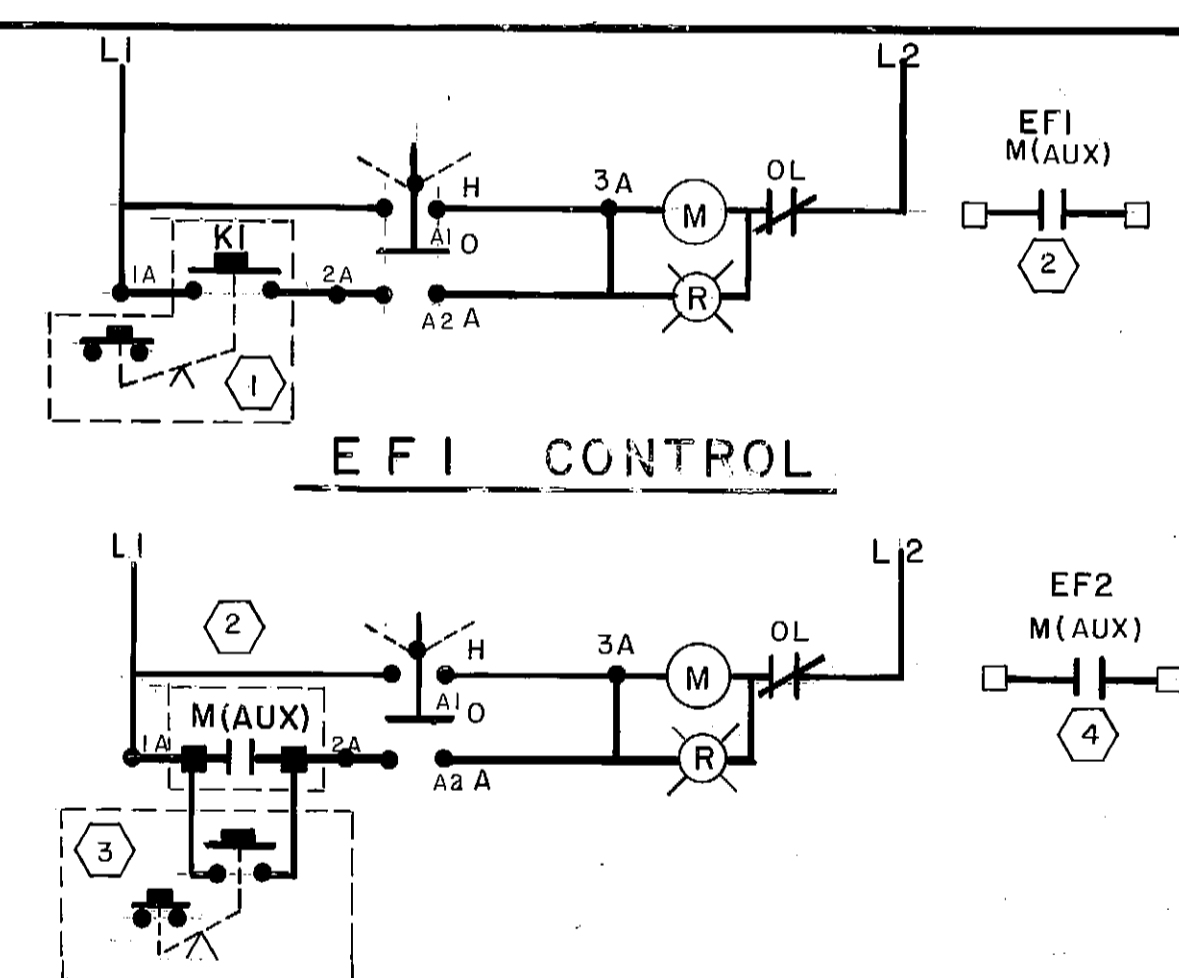
LIGHTING CONTACTOR ONE - LINE

NOTES :

LOCATION	1	2	3	4	5	6
SCALE HOUSE	LC	3P 20A	20/3	ABC	P.C.	L2
BOILER ROOM	LC1	3P 60A	40/3 & 15/1	ABC	SW.	15/1
BOILER ROOM	LC2	3P 30A	20/3	ABC	SW.	L2
BOILER ROOM	LC3	3P 30A	20/3	ABC	SW.	L2
BOILER ROOM	LC4	4P 30A	2-20/2 & 15/1	ABCD	P.C.	15/1
TRANSFER "A"	LC5	3P 60A	50/2, 30/1 & 15/1	ABC	P.C.	15/1
TRANSFER "B"	LC6	3P 20A	20/2, 20/1 & 15/1	ABC	P.C.	15/1
BOILER ROOM	LC7	2P 20A	20/2	AB	SEE BELOW	L2



LC7 SWITCH CONTROL ONE-LINE



EF2 CONTROL

NOTES :

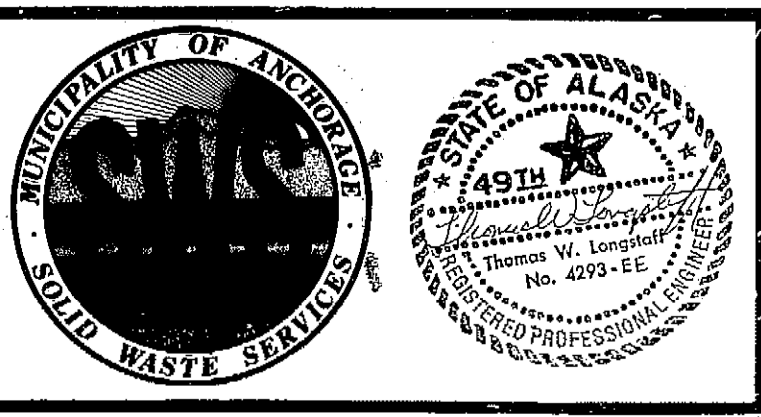
- TWO HEAVY DUTY, OIL TIGHT PUSH BUTTONS WITH "ON", "OFF" LEGEND PLATES. PUSH BUTTONS ARE MAINTAINED CONTACT TYPE, LOCATED IN THE MAINTENANCE AREA. SEE SHEET E-4, ITEMS 12 AND 13.
- NORMALLY OPEN SET OF AUXILIARY CONTACTS ON EF1 MOTOR STARTER. CONTACTS WILL BE USED TO OPERATE EF2 WHENEVER EF1 IS ON.
- EF2 PUSH BUTTONS. SEE ITEM 1.
- NORMALLY OPEN SET OF AUXILIARY CONTACTS ON EF2 MOTOR STARTER. CONTACTS WILL BE USED BY MECHANICAL CONTROLS INSTALLER TO OPERATE THE GHU AT HIGH SPEED WHEN EF2 IS ON.
- PROVIDE PLACARD INDICATING THE FOLLOWING:
 - THE MOTOR STARTER IS INTERLOCKED FOR AUTOMATIC STARTING, AND
 - MORE THAN ONE VOLTAGE SOURCE IS PRESENT.
 - IDENTIFY CIRCUIT NUMBERS OF SOURCES PRESENT.

EXHAUST FAN INTERLOCK



PROJECT NO.
 DESIGNED : Tom Longstaff
 DRAWN : Candy O.
 CHECKED : Tom Longstaff
 DATE : 9 March 1987
 SCALE : None

NO.	REVISION	DATE	BY



SOLID WASTE TRANSFER FACILITY
 Landfill Entrance Facility
 MISCELLANEOUS CONTROLS