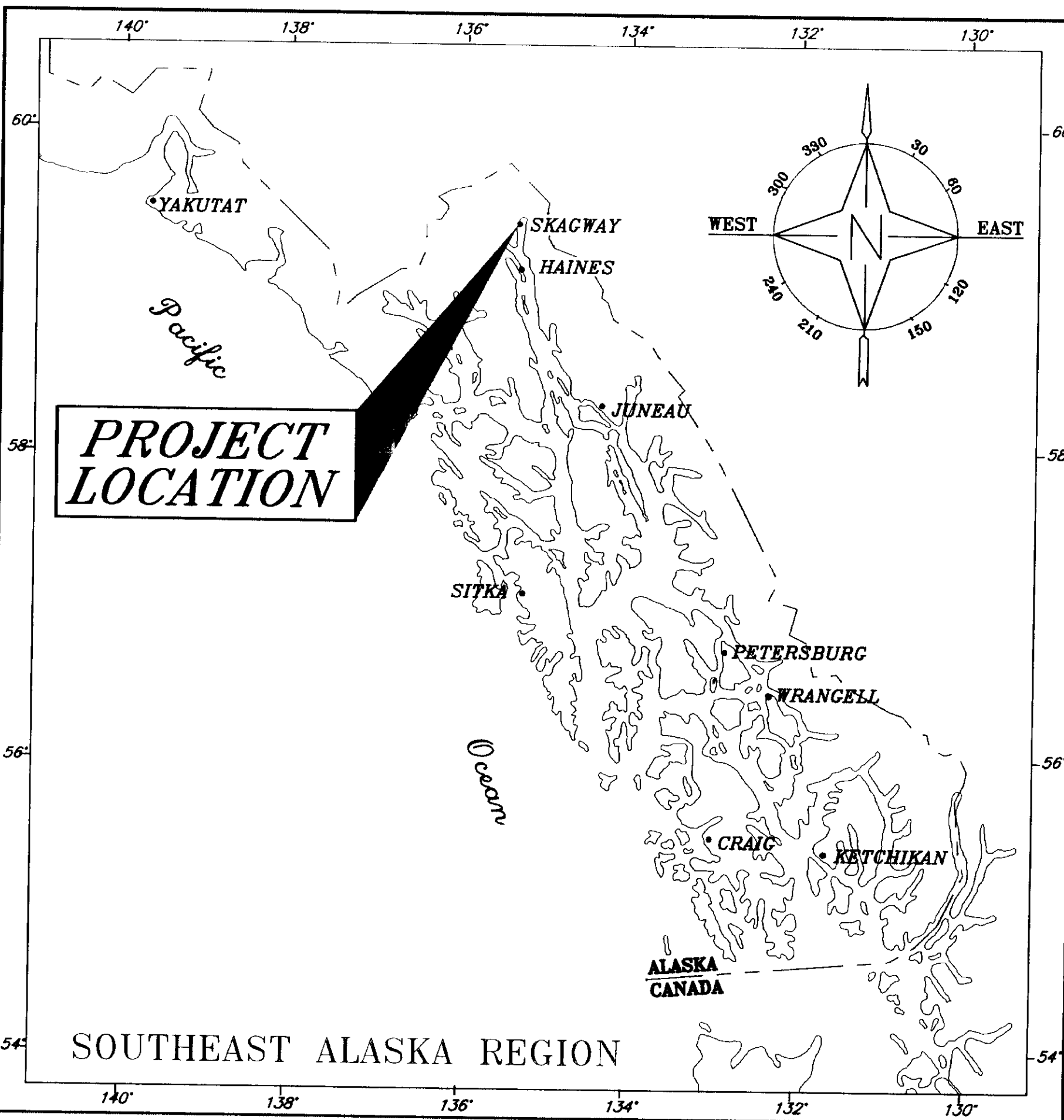




STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
**SKAGWAY AIRPORT
IMPROVEMENTS**
RUNWAY, TAXIWAY, AND APRON IMPROVEMENTS
PAVING, BRIDGE RECONSTRUCTION
& TERMINAL BUILDING

A.I.P. NO. 3-02-0270-0399
PROJECT NO. 71835

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A2	PROJECT LAYOUT PLAN
A3	CONTROL PLAN
B1-B4	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1-D2	SUMMARIES
E1-E4	SAFETY PLAN & TRAFFIC CONTROL
F1-F3	RIVER EXCAVATION PLAN & PROFILE
F4-F5	RUNWAY 2-20 PLAN & PROFILE
F6	APRON PLAN & PROFILE
F7-F8	TAXIWAYS PLAN & PROFILE
F9-F10	AIRPORT ACCESS PLAN & PROFILE
F11	PARKING LOT PLAN & PROFILE
F12	YAKUTANIA POINT PARK PLAN
G1-G2	APRON & TIE DOWN PLAN
G3-G4	PARKING LOT PLANS
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H1-H5	STRIPING & SIGNING PLAN & DETAILS
I1-I6	MISCELLANEOUS DETAILS
J1-J4	MITIGATION PLANS
K1-K2	FENCE LAYOUT PLAN
K3-K4	FENCE DETAILS
K5-K8	GATE DETAILS
K9	GATE OPERATOR ELECTRICAL LAYOUT PLAN & DETAILS
L1-L7	ELECTRICAL LAYOUT PLAN & DETAILS
M1-M7	PEDESTRIAN FOOT BRIDGE PLANS & DETAILS
N001-N902	BUILDING PLAN & DETAILS
01-08	STRUCTURAL BUILDING
P1-P5	MECHANICAL BUILDING
Q1-Q3	ELECTRICAL BUILDING

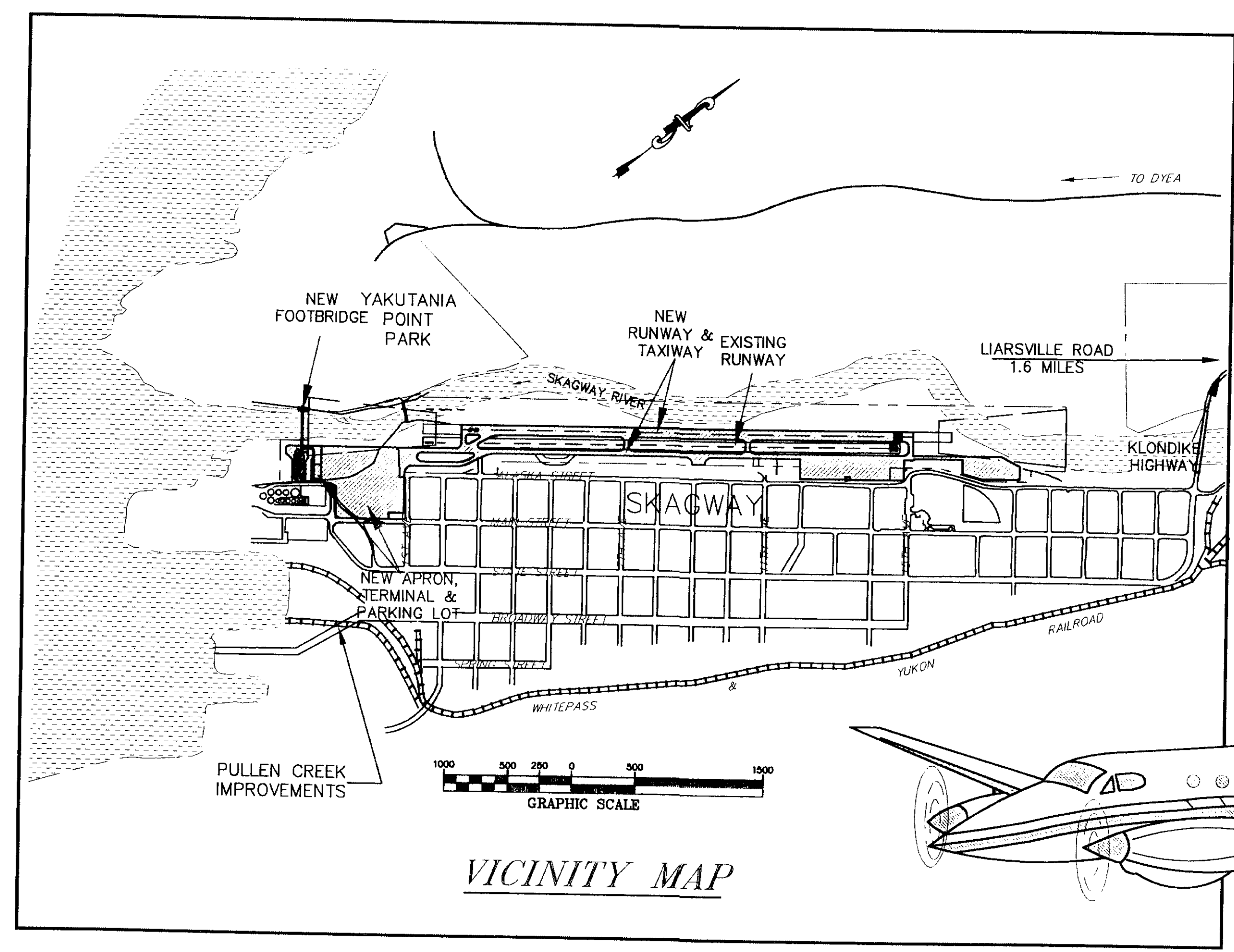
DESIGN DATA

- RUNWAY SAFETY AREA - 150' x 600'
- RUNWAY 2-20 - 75' x 3550'
- TAXIWAY WIDTH/SAFETY AREA WIDTH - 35'/79'
- APPROACH CATEGORY - B
- AIRPLANE DESIGN GROUP - II
- RUNWAY/TAXIWAY SURFACE - ASPHALT CONCRETE

AS-BUILT DRAWINGS

Contractor: HAMILTON CONSTRUCTION
Project Engineer: CLIFF DOUGLAS
Begin Date: 4-5-99
End Date: 9-30-01

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:
A-1, C-01.03, C-02.01, C-03.01, C-04.00, C-05.10, D-01.02, D-04.10,
D-20.01, D-23.00, D-24.00, D-26.02, D-27.01, F-01.01, F-03.01, I-5,
I-20.12, L-23.00, M-16.01, S-00.00, S-05.00, S-20.00, S-30.01,
T-21.01 & T-22.02



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION

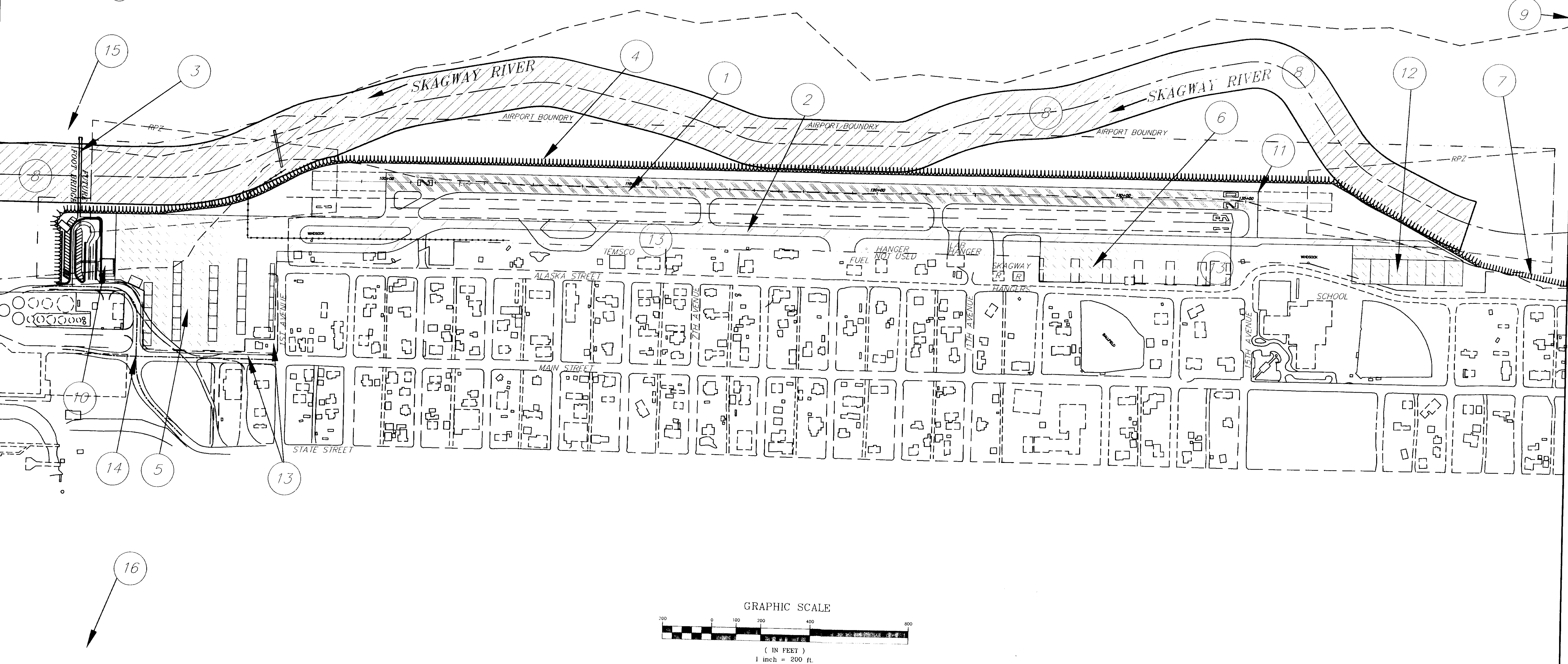
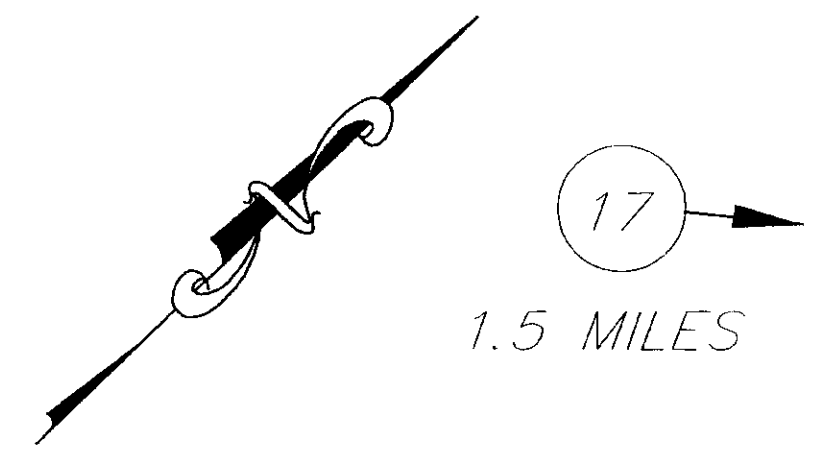
APPROVED _____ Date 1/20/99
Regional Preconstruction Engineer

APPROVED _____ Date 1-20-99
Regional S.E. Director

PROJECT NUMBER: 71835	ENGINEER'S SEAL STATE OF ALASKA 49th RALPH W. MOORE CE-4932 REGISTERED PROFESSIONAL ENGINEER
DATE: JANUARY, 1999	
SHEET A1 OF 100	

MAJOR WORK ITEMS

1. CONSTRUCT NEW RUNWAY (75 x 3550) AND SAFETY AREA (150 x 4150)
2. CONSTRUCT FULL LENGTH PARALLEL TAXIWAY
3. CONSTRUCT NEW FOOTBRIDGE, RELOCATE TRAIL SYSTEM AND REMOVE EXISTING FOOTBRIDGE.
4. CONSTRUCT 100 YEAR FLOOD PROTECTION DIKE
5. CONSTRUCT NEW TERMINAL APRON ON SOUTH END
6. RECONSTRUCT NORTH END APRON AND PROVIDE GA TIEDOWNS.
7. CONSTRUCT DIKE EXTENSION TO TIE INTO EXISTING DIKE FROM AIRPORT BOUNDARY
8. IMPROVE RIVER CHANNEL REMOVE VEGETATION AND LOWER RIVER BARS
9. CONSTRUCT SCOUR CONTROL STRUCTURE AT SKAGWAY RIVER BRIDGE
10. CONSTRUCT NEW AIRPORT TERMINAL BLDG. AND PARKING LOT
11. ELECTRICAL SYSTEM: MRL, MITL, REIS, VASI'S LIGHTED SIGNS, POWER SYSTEM
12. TAXIWAY TO T-HANGER RESERVE
13. AIRPORT PERIMETER FENCE
14. ACCESS ROAD IMPROVEMENT
15. YAKUTANIA POINT PARK IMPROVEMENTS
16. PULLEN CREEK
17. LILLEGRAVEN CREEK



RECORD OF REVISIONS		
DATE	DESCRIPTION OF CHANGE	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

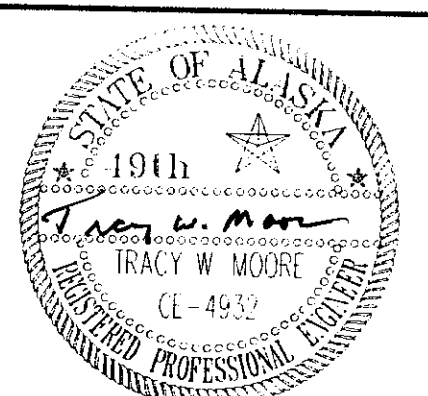
SKAGWAY

SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 PROJECT NO. 71835

PROJECT LAYOUT SHEET

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: P. JONES	PROJECT NO. 71835
DRAWN BY: P. BEDNAROWICZ	DATE: 1998
CHECKED BY: P. BEDNAROWICZ	SHEET A2 OF 100



HORIZONTAL CONTROL SUMMARY

THE BASIS OF BEARING FOR THIS PROJECT IS THE BEARING OF N45°32'52"W FROM THE INTERSECTION MONUMENT AT 1ST AVENUE & BROADWAY. ① TO THE INTERSECTION MONUMENT AT 1ST AVENUE AND STATE ②

THE BASIS OF COORDINATES IS THE INTERSECTION MONUMENT AT 1ST AVENUE & STATE WITH PROJECT COORDINATES OF N.100,000.000 E. 50,000.000. ②

THE PROJECT BASIS OF BEARING IS THE BEARING OF N. 47°04'09" E FROM SGY BM 1187 1988, A N.G.S. 3.5" BRASS DISK SET FLUSH IN THE CONCRETE BASE OF THE ANCHOR BLOCK FOR THE S.E. END OF THE FOOT BRIDGE ACROSS THE SKAGWAY RIVER ③. TO SGY B2, A 2" BRASS DISK SET IN THE CONCRETE BASE OF THE NORTHEAST WHITE REIL LIGHT. ④

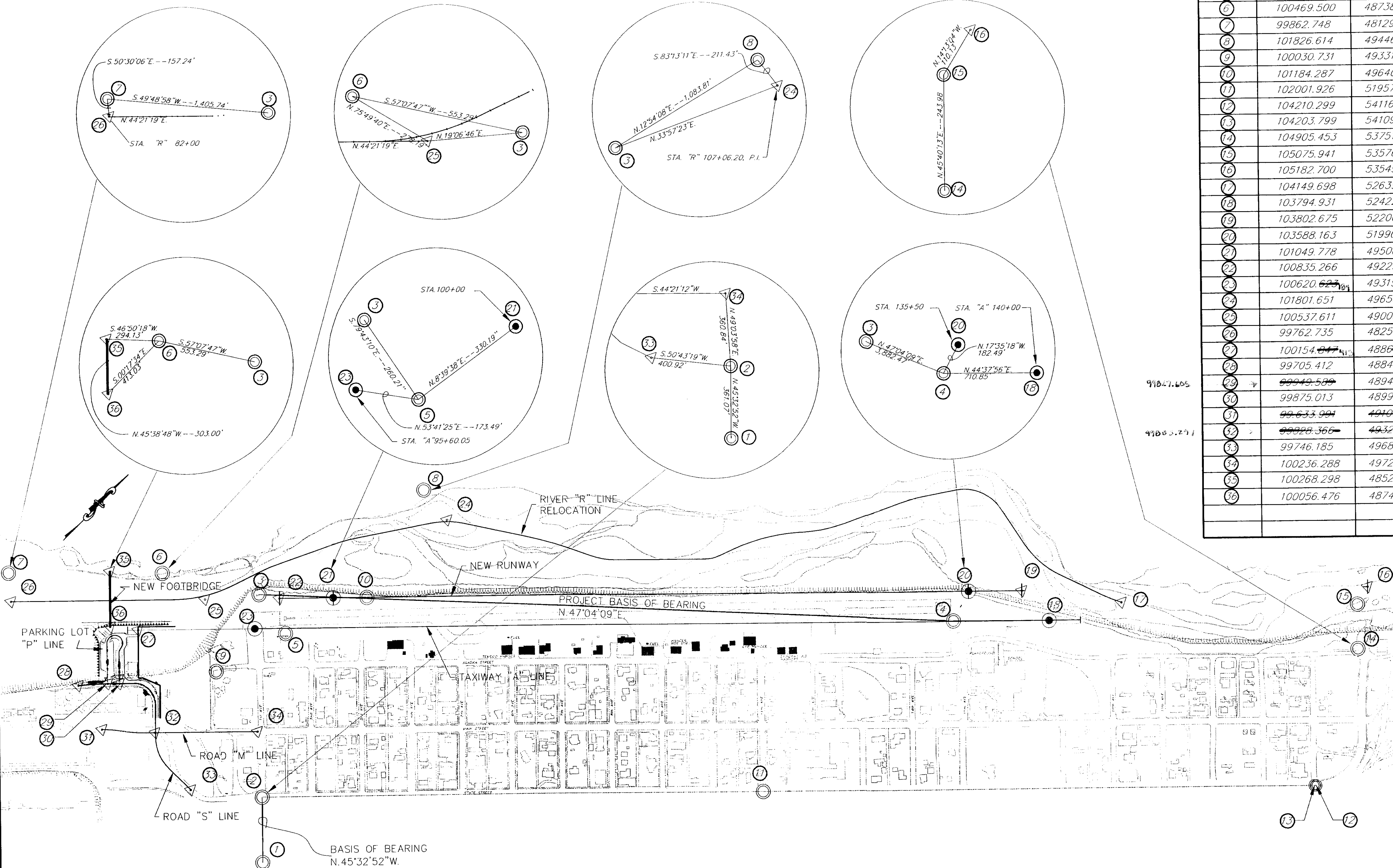
THE PROJECT BASIS OF COORDINATES IS THE N.G.S. MONUMENT BM T 187 WITH COORDINATES OF N.100,769.792 E. 49,203.205 ③

VERTICAL CONTROL SUMMARY

THE BASIS OF VERTICAL CONTROL IS THE N.G.S. BRASS CAP BM T 187 WITH AN ACCEPTED ELEVATION OF 24.35' MLLW. ③

COORDINATE TABLE

POINT NO.	NORTHING	EASTING	ELEVATION	REMARKS
①	99747.135	50257.747	25.39	C MON 1ST & BROADWAY
②	100000.000	50000.000	24.56	C MON 1ST & STATE
③	100769.792	49203.205	24.35	NGS BC 1988 BM T 187
④	103414.201	52045.852	52.50	BZ BC 1993 SGY B2
⑤	100723.353	49459.353	25.84	AZ BC 1993
⑥	100469.500	48738.496	37.44	BT FOR RM C5
⑦	99862.748	48129.251	16.94	BC WCAS CA 1960
⑧	101826.614	49446.133	43.32	S3312 WCMC L35A
⑨	100030.731	49331.736	24.91	AP-8 R&M
⑩	101184.287	49640.889	31.94	AP-10 R&M
⑪	102001.926	51957.637	40.41	C MON. 11TH & STATE ST.
⑫	104210.299	54116.933	65.32	C MON. P.C. STATE ST.
⑬	104203.799	54109.991	65.25	C MON. 22ND & STATE ST.
⑭	104905.453	53751.239	79.58	ALUM CAP ROW/ASLS 96-2/1966
⑮	105075.941	53576.715	67.46	ALUM CAP ROW/ASLS 96-2/1966
⑯	105182.700	53549.666		SCOUR CONTROL STRUCTURE
⑰	104149.698	52639.715	56.9	STA. "R" 148+00
⑱	103794.931	52422.919	61.72	STA. "A" 140+00
⑲	103802.675	52200.432	59.30	STA. "X" 138+50
⑳	103588.163	51990.707	57.18	STA. 135+50
㉑	101049.778	49508.959	29.20	STA. 100+00
㉒	100835.266	49229.234	27.00	STA. 97+00
㉓	100620.623	49319.437	25.31	STA. "A" 95+60.05 P.I.
㉔	101801.651	49656.085		STA. "R" 107+06.20 P.I.
㉕	100537.611	49008.217		STA. "R" 92+83.72
㉖	99762.735	48250.583	3.9	STA. "R" 82+00
㉗	100154.847	48867.667	25.32	STA. "A" 89+08.65
㉘	99705.412	48841.419	25.46	STA. "S" 20+30
㉙	~~99949.589~~	48949.589	26.41	STA. "P" 10+00="S" 18+73.47
㉚	99875.013	48995.547	28.19	STA. "P" 15+80.92="S" 18.07.49
㉛	~~99633.994~~	~~49109.119~~	~~25.76~~	~~STA. "M" 18+70~~
㉜	~~99928.366~~	~~49328.729~~	~~25.52~~	PROPOSED STATE & MAIN INTERSECTION
㉝	99746.185	49689.656	27.14 28.00	STA. "S" 10+00
㉞	100236.288	49727.547	24.34 24.64	STA. "M" 10+00
㉟	100268.298	48523.950	28.83	N. END OF NEW FOOTBRIDGE
㊱	100056.476	48740.607	28.83	S. END OF NEW FOOTBRIDGE



LEGEND:

- ⊙ EXISTING MONUMENT
- PROPOSED BRASS CAP & CASE
- ◁ COORDINATE POINT

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\SGY\71835\PLANSET\MONUMENTS
PLOT: Q:\-LIB\-PLOT\PLTIF.PCP(1) OR PLOTIF.PCP(2)
BY: DATE: DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY

SKAGWAY AIRPORT IMPROVEMENTS
FED NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

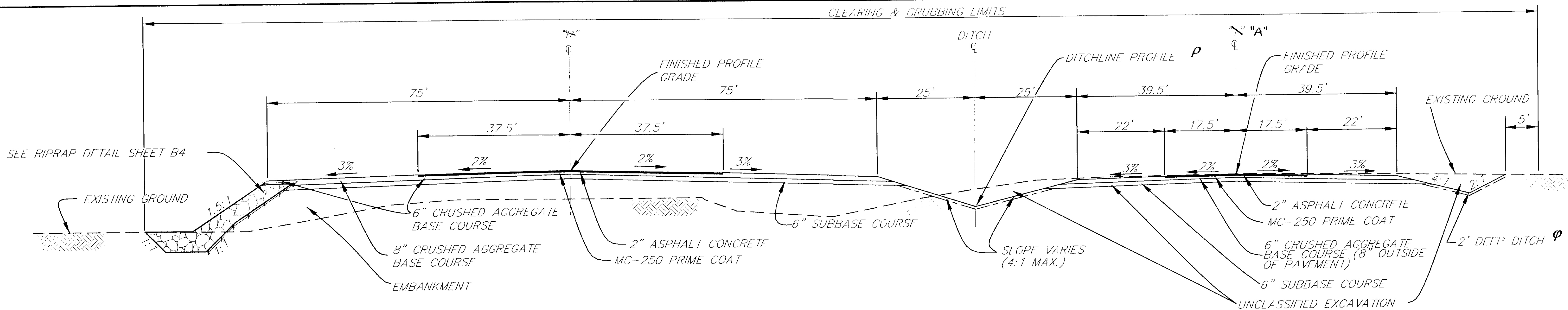
ALASKA

DESIGNED BY:
D. KROMAREK
DRAWN BY:
L. ROBERTSON
CHECKED BY:
T. MOORE

PROJECT NO.
71835
DATE:
1998
SHEET A3 OF 100



CONTROL PLAN

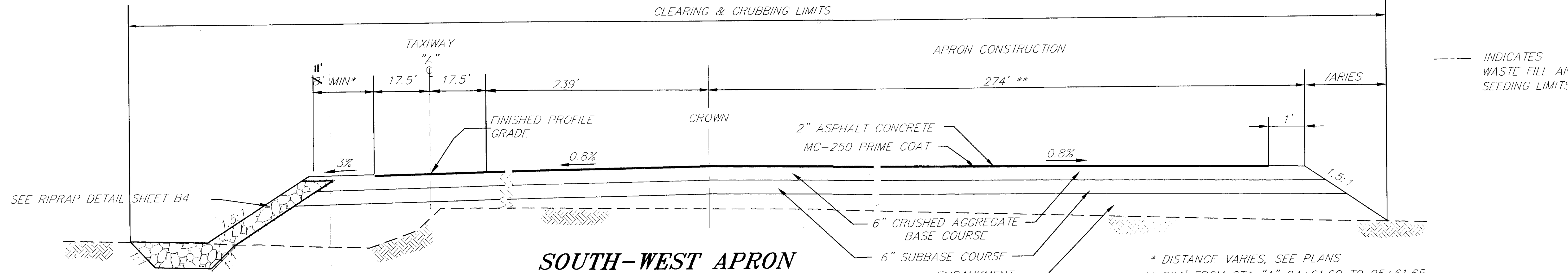


RUNWAY TYPICAL SECTION

STATION "R" 97+00 TO STATION "R" 138+50

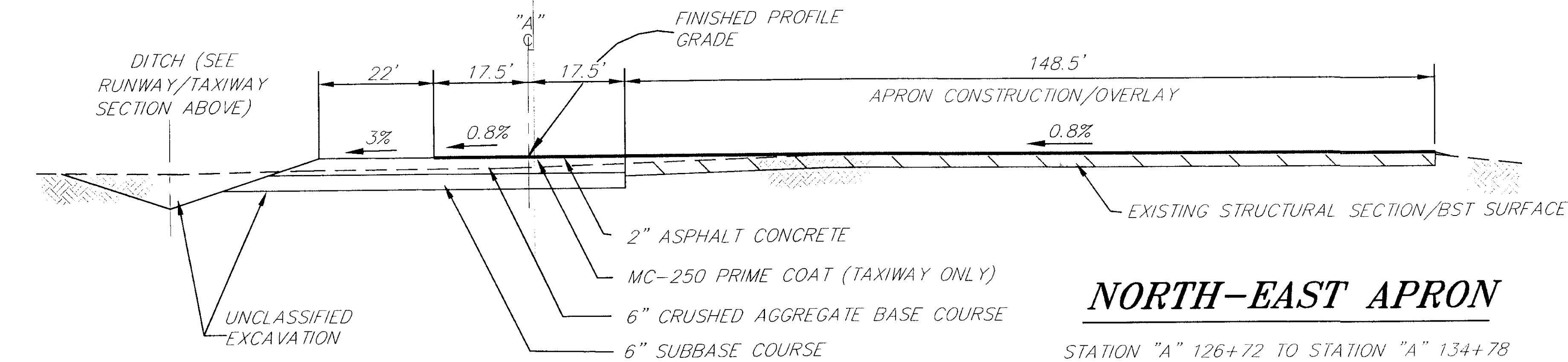
TAXIWAY TYPICAL SECTION [ⓐ]

STATION "A" 102+50 TO STATION "A" 126+72
 STATION "A" 134+78 TO STATION "A" 142+75
[ⓐ] TRANSITION BETWEEN STA. "A" 100+00 TO STA. "A" 102+50 FROM DOUBLE TO SINGLE TAXIWAY & FROM SUPERED TO CROWNED SECTION.



SOUTH-WEST APRON

STATION "A" 89+08.65 TO STATION "A" 95+61.65



NORTH-EAST APRON

STATION "A" 126+72 TO STATION "A" 134+78

DITCHLINE PROFILE [ⓐ]

STATION	ELEVATION
94+00	18.45
100+00	22.65
118+00	34.90
135+00	49.90
140+50	FINISHED GROUND

2' DEEP DITCH [ⓐ]

STATION	ELEVATION
"A" 105+50	33.07
"A" 116+50	38.26
"A" 119+50	40.32
"A" 126+50	46.90
"A" 135+00	54.34
"A" 139+00	56.56

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

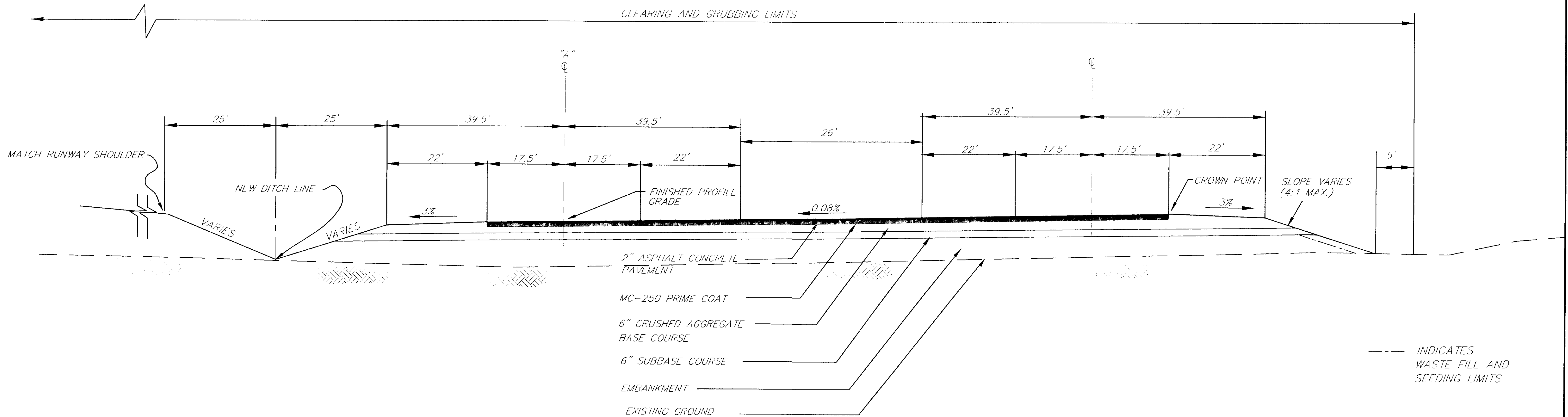
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

SKAGWAY
 SKAGWAY AIRPORT IMPROVEMENTS
 FED. NO. AIP 3-02-0270-0399 ~ PROJECT NO. 71835
 RUNWAY, TAXIWAY & APRON TYPICAL SECTION

DESIGNED BY:	HCE	PROJECT NO.	71835
DRAWN BY:	K. KLEMMETSON\B.A.	DATE:	1998
CHECKED BY:	D. BLACKBURN	SHEET	B1 OF 100

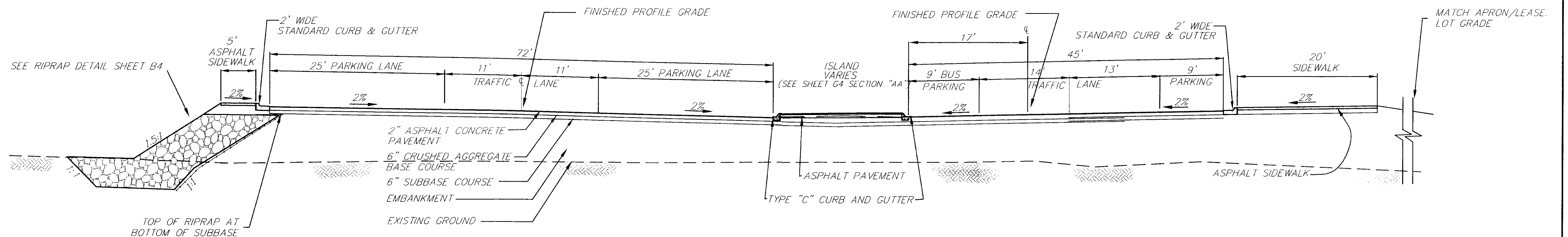




TAXIWAY TYPICAL SECTION *

STATION "A" 95+61.65 TO STATION "A" 100+00

* TRANSITION BETWEEN STA. "A" 100+00 TO STA. "A" 102+50 FROM DOUBLE TO SINGLE TAXIWAY & FROM SUPERED TO CROWN SECTION



PARKING LOT TYPICAL SECTION

STATION "P" 11+00(LT), "P" 14+80.78(RT)
SEE SHEET G-3 FOR MODIFICATIONS

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\SGY\1835\PLANSET\1-TYP5		
PLOT: Q:\-LIB\1-PLOT\1835\PCP(1) OR 1835\PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

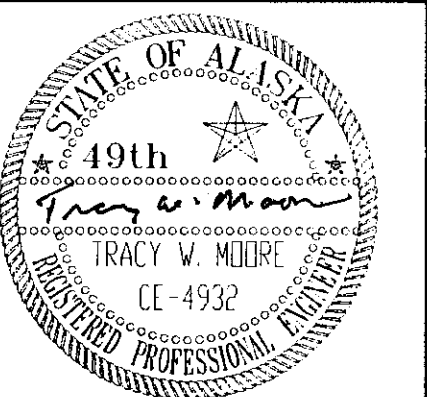
SKAGWAY

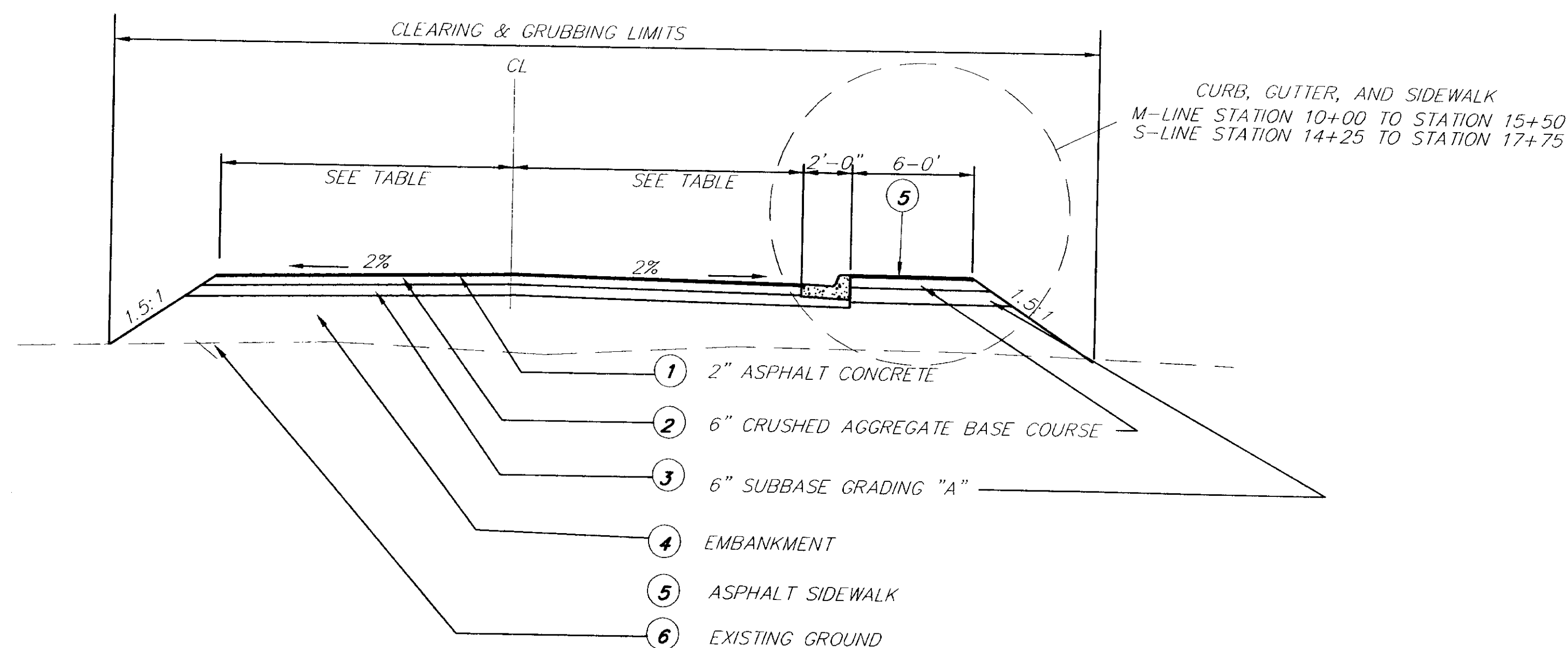
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

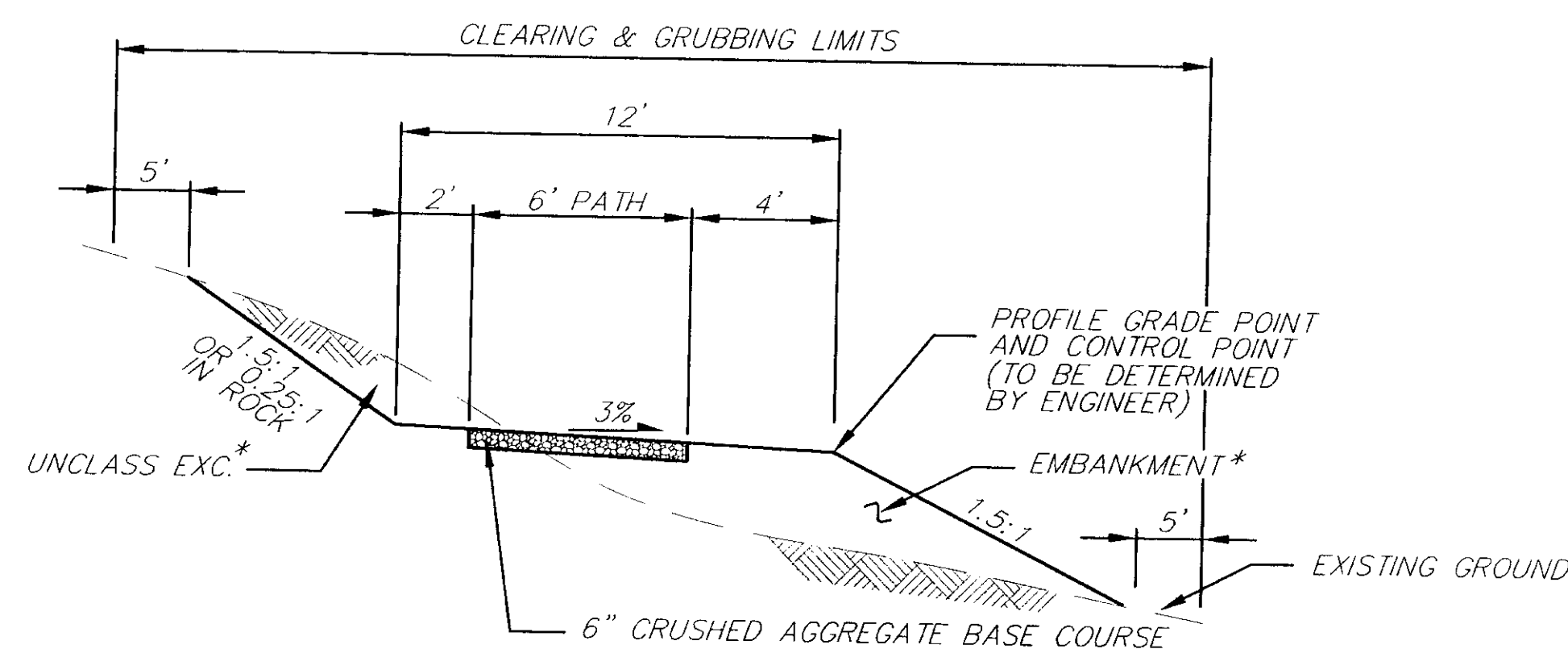
TAXIWAY & PARKING LOT TYPICAL SECTION

DESIGNED BY:	PROJECT NO.
P. BEDNAROWICZ	71835
DRAWN BY:	DATE:
K. KLEMMETSON	1998
CHECKED BY:	SHEET B2 OF 100
T. MOORE	





TYPICAL SECTION
M-LINE STATION 10+00 TO STATION 18+70.97
S-LINE STATION 10+00 TO STATION 20+42.98



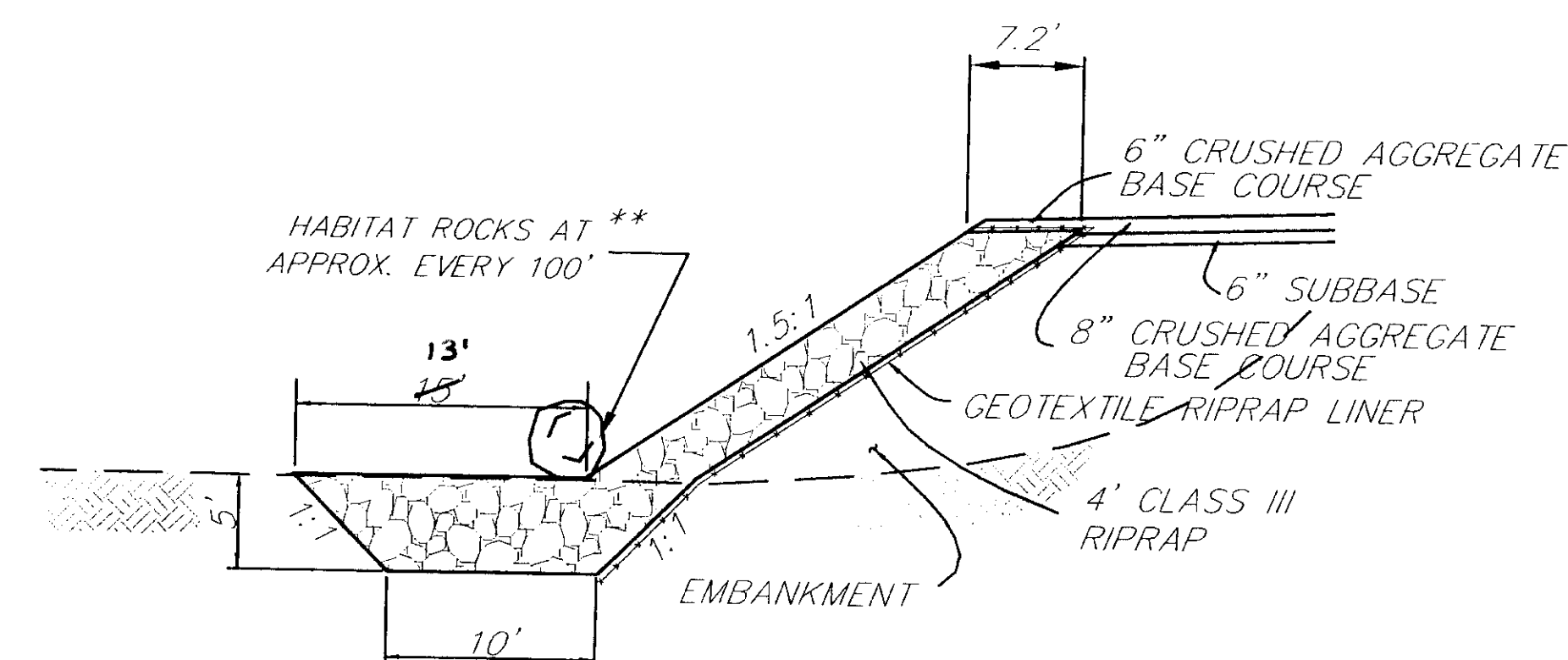
TRAIL TYPICAL SECTION

SEE SHEET F-12 FIELD
DETERMINE TRAIL LOCATION

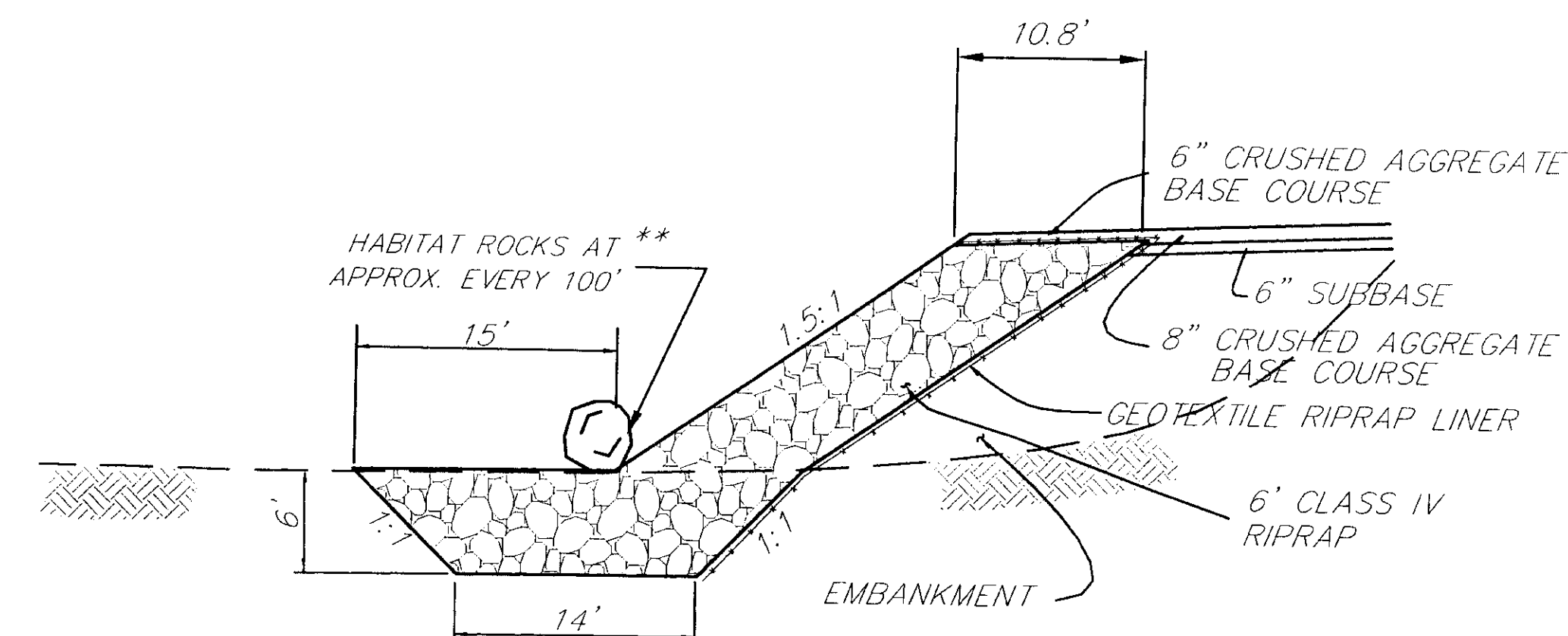
* UNCLASSIFIED EXCAVATION AND EMBANKMENT SHALL BE PAID FOR UNDER ITEM 1060b FOR THE TRAIL.

* TABLE SUMMARY			
LINE	STA. TO STA.	WIDTH	LANE WIDTH
"S"	10+00-11+45.67	28'	14'
"S"	11+45.67-12+98.58	TRANSITION	
"S"	12+98.58	39.4'	22.3' LT, 17.1' RT
"S"	12+98.58-14+25	INTERSECTION	
"S"	14+25-15+48.53	30'	15'
"S"	16+32.74	42.5'	15' LT, 27.5' RT
"S"	15+48.52-17+29.57	CURVE	WIDENING R.T.
"S"	17+29.57-18+75	30'	15'
"S"	18+75-20+42.98	26'	13'
"M"	10+00 - 15+50	36'	18'
"M"	15+50-16+00	INTERSECTION	
"M"	16+00 - 18+70.97	28'	14'

* See sheet +71 f10 for profiles.



CLASS III RIPRAP DETAIL A
SEE MINING PLAN SHEETS FOR LOCATION



CLASS IV RIPRAP DETAIL B
SEE MINING PLAN SHEETS FOR LOCATION

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q: \SGY\71835\PLANSET\TYP2 1=4		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

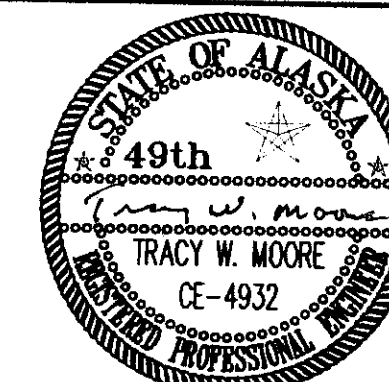
SKAGWAY

SKAGWAY AIRPORT
RIPRAP TYPICAL SECTIONS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

MISCELLANEOUS TYPICAL SECTIONS

DESIGNED BY:	PROJECT NO.
D. BLACKBURN	71835
DRAWN BY:	DATE:
C. ANDERSON	1998
CHECKED BY:	SHEET B4 OF 100
T. MOORE	



ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
100	MOBILIZATION & DEMOBILIZATION	LUMP SUM	ALL REQ'D.
111a	TEMPORARY EROSION AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQ'D.
111b	EROSION AND POLLUTION CONTROL, ADMINISTRATION	LUMP SUM	ALL REQ'D.
120(1)	DBE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D.
121	CONSTRUCTION SURVEYING BY THE CONTRACTOR	LUMP SUM	ALL REQ'D.
125	ENGINEERING TRANSPORTATION	LUMP SUM	ALL REQ'D.
130	ENGINEER'S FIELD OFFICE AND LABORATORY	LUMP SUM	ALL REQ'D.
200f	CLEARING AND GRUBBING	LUMP SUM	ALL REQ'D.
210a	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQ'D.
210b	BUILDING DEMOLITION	LUMP SUM	ALL REQ'D.
210c	REMOVAL OF FOOT BRIDGE STRUCTURE	LUMP SUM	ALL REQ'D.
210d	REMOVAL OF CULVERT PIPE	LINEAR FOOT	374 171
250a	EXCAVATION & DISPOSAL OF PAVEMENT MATERIALS	SQUARE YARD	34,000 22101
330a	UNCLASSIFIED EXACATION	CUBIC YARD	50,000
330e	RIVER EXCAVATION	CUBIC YARD	200,000
330f	EMBANKMENT	CUBIC YARD	170,000
350a	RIPRAP, CLASS I	CUBIC YARD	4,200 1114
350b	RIPRAP, CLASS II	CUBIC YARD	20 1-
350c	RIPRAP, CLASS III	CUBIC YARD	36,000 34223
350d	RIPRAP, CLASS IV	CUBIC YARD	9,300 2681
350e	HABITAT ROCKS	EACH	32 600
400a	18 INCH CORRUGATED STEEL PIPE	LINEAR FOOT	1020 1211
400b	24 INCH CORRUGATED STEEL PIPE	LINEAR FOOT	723 113
400c	36 INCH CORRUGATED STEEL PIPE	LINEAR FOOT	382 140
400d	72 INCH CORRUGATED STEEL PIPE	LINEAR FOOT	300 170
400e	PIPE BAFFLES	LUMP SUM	ALL REQ'D.
400Xh	PIPE SLIDE (modified)	LUMP SUM	ALL REQ'D.
440a	CHAIN-LINK FENCE, 6 FEET HIGH	LINEAR FOOT	6,600 6409
440b	CHAIN-LINK FENCE REMOVAL	LINEAR FOOT	1,790 2221
440c	DRIVE-THRU SLIDE GATE (6' X20')	EACH	1
440d	DRIVE-THRU GATE (6' X20')	EACH	2 0
440e	DRIVE-THRU GATE (6' X 16')	EACH	3 2
440f	DRIVE-THRU GATE (6' X 10')	EACH	3 2
440g	PEDESTRAIN GATE (6' X 4')	EACH	2 3
441	GATE OPERATOR	EACH	1
470a	TYPE A CONCRETE INLET	EACH	4 13
470b	TYPE B CONCRETE INLET	EACH	19 11
470c	TYPE C CONCRETE INLET	EACH	2 3
470d	SANITARY SEWER DROP MANHOLE	EACH	1 2
470e	CAST-IN-PLACE VAULT	LUMP SUM	ALL REQ'D.
470f	RECONSTRUCT EXISTING MANHOLE	EACH	2 1
470g	ADJUST EXISTING MANHOLE	EACH	1 2
500b	SUBBASE COURSE	TON	57,000 6425
503a	REINFORCING STEEL	LUMP SUM	ALL REQ'D.
504	STRUCTURAL STEEL FURNISHED, FABRICATED, AND ERECTED	LUMP SUM	ALL REQ'D.
505a	STRUCTURAL STEEL PILES FURNISHED	LINEAR FOOT	400 360
505b	STRUCTURAL STEEL PILES DRIVEN	EACH	8 0
505c	SPECIAL PIPE PILE EXCAVATION	CONTINGENT SUM	ALL REQ'D.
507	PEDESTRIAN RAILING	LINEAR FOOT	600 611
510a	CRUSHED AGGREGATE BASE COURSE	TON	24,000 13211
551b	GEOTEXTILE, RIPRAP LINER	SQUARE YARD	23,500 2560
200g	Hand Clearing	ACRE	5.81
330b	Pullen Creek Pond Excavation	Lump Sum	All REQ'D.
330c	Sub-Excavation & Refill	Cubic Yard	3328
330y	Creek Channelization	SITATION	0.46
400j	76" Corrugated steel pipe	LINEAR FOOT	110
440h	Drive-Thru Gate 6' x 25'	EACH	1
440i	Reinstall A sos fence & Gate	LUMP SUM	All REQ'D.
440ii	Pedestrian Safety Fence	LINEAR FOOT	602
801c	4" Concrete Sidewalk with Curb	SQUARE YARD	201
801f	6" Concrete Retaining Wall	LUMP SUM	All REQ'D.
1000z	Concrete Encased Conduit	LINEAR FOOT	1272
1090a	Weather Service Observation service	LUMP SUM	All REQ'D.
470aa	6' chainlink fence Extension	LUMP SUM	All REQ'D.

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
553	EROSION CONTROL FABRIC	SQUARE YARD	500 493
600a	BITUMINOUS PRIME COAT, CUTBACK	TON	97 0
626	SANITARY SEWER CONDUIT, 8 INCH	LINEAR FOOT	732
627a	INSTALL VALVE BOX	EACH	1 3
627b	FIRE HYDRANT RELOCATION	EACH	2
627c	WATER SERVICE CONNECTION, 4 INCH	EACH	1
627d	ADJUSTMENT OF VALVE BOX	EACH	2 6
627e	INSTALL 4 INCH GATE VALVE	EACH	1
627f	8 INCH DUCTILE IRON WATER CONDUIT, CLASS 350	LINEAR FOOT	120 130
660a	ASPHALT CONCRETE	TON	46,500 18713
660b	ASPHALT CEMENT, PG 58-28	TON	900 1060
660c	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D.
661a	ASPHALT SIDEWALK	SQUARE YARD	4,500 1459
700c	TRAFFIC MARKING PAINT	LUMP SUM	ALL REQ'D.
701	SURVEY MONUMENTS	EACH	4
702	STANDARD SIGNS	SQUARE FOOT	210 236
703	ROADWAY TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D.
800	PORTLAND CEMENT CONCRETE	LUMP SUM	ALL REQ'D.
801a	STANDARD CURB AND GUTTER	LINEAR FOOT	1,600 1561
801b	TYPE C CURB AND GUTTER	LINEAR FOOT	550 536
801c	CURB RAMPS	EACH	8
801d	PLOWABLE END SECTION	EACH	1
820a	TIE-DOWN ANCHORS	EACH	130 133
900a	SEEDING	ACRE	5 10
900d	WASTE FILL	MSF	220 401
900e	TIDAL GRASS REPLACEMENT	SQUARE YARD	360 610
1000a	NEW REGULATOR, L-828	EACH	3
1000c	AIRPORT LIGHTING CONTROL PANEL L-821	EACH	1
1000d	NEW RUNWAY THRESHOLD MARKER LIGHT L-861SE	EACH	12
1000e	NEW MEDIUM INTENSITY RUNWAY MARKER LIGHT, L-861T	EACH	33
1000f	NEW TAXIWAY MARKER LIGHT, L-861I	EACH	128
1000g	NEW HANDHOLE, L-867	EACH	24 27
1000i	2" RIGID CONDUIT	LINEAR FOOT	1,600 3806
1000k	2" CONDUIT	LINEAR FOOT	26,000 25711
1000l	UNDERGROUND CABLE #8 AGW, COPPER 5 KV "B", L-824	LINEAR FOOT	26,000 34013
1000m	#8 XHHW INSULATED COPPER GROUND CONDUCTOR	LINEAR FOOT	64,000 32047
1000o	EXISTING ELECTRICAL AND TELEPHONE REMOVAL	LUMP SUM	ALL REQ'D.
1000q	GROUND ROD	EACH	30 29
1000r	VASI SYSTEM, L-851, STYLE A, CLASS II	EACH	2
1000t	UNDERGROUND VAULT (48" X 48" X 48")	EACH	2 3
1000u	LIGHTED HOLDING POSITION SIGN	EACH	1 1
1000v	LIGHTED TAXIWAY LOCATION, DIRECTIONAL OR DESTINATION SIGN	EACH	10 19
1000w	LIGHTED RUNWAY EXIT SIGN	EACH	6
1000x	OBSTRUCTION LIGHT ASSEMBLY	EACH	1
1000y	RUNWAY DISTANCE REMAINING SIGNS	EACH	2
1010	8-FOOT LIGHTED WIND CONE	EACH	2
1025	OMNI-DIRECTIONAL R.E.I.L., L-859	PAIR	2
1040	ELECTRICAL WORK - STRUCTURES	LUMP SUM	ALL REQ'D.
1060a	RELOCATION OF EXERCISE STATIONS	LUMP SUM	ALL REQ'D.
1060b	RELOCATE TRAIL	STATION	11
1090	RELOCATION OF NOAA WEATHER STATION	LUMP SUM	ALL REQ'D.
1665	AIRPORT TERMINAL BUILDING COMPLETE	LUMP SUM	ALL REQ'D.
470ab	Combination Signal Controller	Lump Sum	All REQ'D.
1040a	Electric Work Structures - Added	Lump Sum	All REQ'D.
1065a	Terminal Buildings Modifications	Lump Sum	All REQ'D.
100022	Runway Lighting's Modifications	Lump Sum	All REQ'D.
1000222	Surplus Electrical Components	Lump Sum	All REQ'D.

GENERAL NOTES

1. GRADES AND ALIGNMENTS SHOWN ON THESE PLANS MAY BE SUBJECT TO MINOR REVISIONS AS APPROVED OR DIRECTED BY THE ENGINEER.
2. THE WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE AIRPORT SAFETY PLAN.
3. WASTE QUANTITIES NOT USED ON THE PROJECT SHALL BE PLACED IN AN UPLAND SITE APPROVED BY THE ENGINEER.

BASIS OF ESTIMATE

ITEM NO.	ITEM	QUANTITY
200f	CLEARING & GRUBBING	20 ACRES
330e	EMBANKMENT	1.75 TONS PER CUBIC YARD
510a	CRUSHED AGGREGATE BASE COURSE	1.96 TONS PER CUBIC YARD
500a	SUBBASE COURSE	1.75 TONS PER CUBIC YARD
600a	BITUMINOUS PRIME COAT, CUTBACK	0.25 GAL PER SY, 253 GAL PER TON
660a	ASPHALT CONCRETE	117 POUND/SY-INCH
660b	ASPHALT CEMENT, PG 58-28	5.5% OF ITEM 660a

PATH: Q:\SGY\71835\PLANSET\ - EST1		
PLOT: Q:\-LIB\ -PLOT\ PLOT11.PCP(1) OR PLOT11.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
SKAGWAY AIRPORT IMPROVEMENTS
FED NO. AIP. 3-02-0270-0399 PROJECT NO. 71835
ESTIMATE OF QUANTITIES

ALASKA

DESIGNED BY:	PROJECT NO.
P. JONES	71835
DRAWN BY:	DATE:
L. ROBERTSON	1998
CHECKED BY:	SHEET C1 OF 100
T. MOORE	



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

REMOVAL OF STRUCTURES AND OBSTRUCTIONS			
STATION	OFFSET		DESCRIPTION OF ITEM TO BE REMOVED
	LEFT	RIGHT	
"A" 97+00		80'	WIND CONE
"A" 137+60		65'	WIND CONE
"A" 95+00		450'	CONCRETE SLAB, 40' X 65'
"A" 96+50		125'	BUILDING, 30' X 30'
"A" 97+00		130'	BUILDING, 10' X 15'
"A" 97+10		150'	BUILDING, 15' X 20'
"A" 99+40		130'	BUILDING, 30' X 50'
"A" 99+90		130'	BUILDING, 30' X 30'
"A" 95+60	250'		EXISTING FOOTBRIDGE
"A" 97+00	0'-160'		EXISTING VASI & REIL LIGHTING SYSTEMS
"A" 135+00	80'		EXISTING VASI & REIL LIGHTING SYSTEMS
~~"A" 95+00~~		~~300'~~	~~API FOUNDATION AND SLAB~~
"M" 12+35	4'	40'	CATCH BASIN
"M" 12+40	+-		STORM DRAIN MANHOLE, NOT FEILD LOCATED

REMOVAL OF PIPE SUMMARY			
STATION/ LOCATION	QUANTITY		DESCRIPTION
	LENGTH	SIZE	
112+50, 190' RT.	50'	24"	ALONG EXISTING RUNWAY
114+50, 160' RT.	280'	12"	ALONG EXISTING RUNWAY
PULLEN CREEK	20'	72"	AT HARBOR. REMOVE 10' EACH END OF PIPE, SMASH REMAINING ENDS & COVER.
LILLEGRAVEN CREEK	24'	48"	ON LIARSVILLE ROAD
TOTAL	374'		

RECONSTRUCT EXISTING INLETS			
STATION	OFFSET		REMARKS
	LEFT	RIGHT	
"A" 95+00		190'	RECONSTRUCT EXISTING CATCH BASIN. REMOVED
~~"A" 99+90~~		~~80'~~	RECONSTRUCT EXISTING STORM DRAIN MANHOLE

ADJUST EXISTING MANHOLE			
STATION	OFFSET		REMARKS
	LEFT	RIGHT	
"M" 73+55 12' BS		26'	ADJUST EXISTING MANHOLE DUMP MANHOLE
"M" 12+30	21'		RECONSTRUCT MANHOLE

MONUMENT SUMMARY				
STATION	OFFSET	NEW MONUMENT & CASE	ADJUST CASE	REMARKS
100+00	0.00	X		RUNWAY MONUMENT
135+00	0.00	X		RUNWAY MONUMENT
"A" 95+60.05	0.00	X		TAXIWAY MONUMENT
"A" 140+00	0.00	X		TAXIWAY MONUMENT

STANDARD SIGNING SCHEDULE											
SIGN NO.	STATION	OFFSET		CODE NO.	FACING	LEGEND	SIZE	AREA S.F.	NO.OF POST	POST SIZE	REMARKS
		LT.	RT.								
①	"S" 18+25	15.0		D1-1	EB	CITY CENTER	78"X12"	6.50	2	4"x4"	2 4" TREATED WOOD POSTS
②	"S" 18+91		17.0	R6-1R	SB	ONE WAY	36" X 12"	3.0	1	2.5"X2.5"	
③	"S" 18+26		17.7	R5-1	WB	NO PARKING ANYTIME	12" X 18"	1.5	1	2.5"X2.5"	
④	"S" 18+26		25.7	R1-1	EB	STOP	30" X 30"	6.25	1	2.5"X2.5"	
⑤	"S" 17+685		25.7	R6-1L	WB	ONE WAY	36" X 12"	6.25	1	2.5"X2.5"	
⑥	"P" 10+42.6		43.6	R7-8	NB	RESERVED PARKING	12" X 18"	1.50	1	2.5"X2.5"	
				PLAQUE	NB	VAN ACCESSIBLE	12" X 6"	0.5		2.5"X2.5"	
⑦	"P" 10+63.4		37.7	R7-8	NB	RESERVED PARKING	24" X 36"	6.00	1	2.5"X2.5"	
				PLAQUE	NB	VAN ACCESSIBLE	12" X 6"	0.5		2.5"X2.5"	
⑧	"P" 14+39		17.7	R7-107	SB	NO PARKING BUS STOP	12" X 18"	1.50	1	2.5"X2.5"	
⑨	"P" 14+84		17.7	R7-107	SB	NO PARKING BUS STOP	12" X 18"	1.50	1	2.5"X2.5"	
⑩	"P" 13+85	23.6		R7-106	NB	NO PARKING LOADING ZONE	12" X 18"	1.50	1	2.5"X2.5"	
⑪	"P" 14+46	30.4		R7-106	NB	NO PARKING LOADING ZONE	12" X 18"	1.50	1	2.5"X2.5"	
⑫	"P" 14+83	30.4		R7-106	NB	NO PARKING LOADING ZONE	12" X 18"	1.50	1	2.5"X2.5"	
⑬	"P" 15+23	30.4		R7-106	NB	NO PARKING LOADING ZONE	12" X 18"	1.50	1	2.5"X2.5"	
⑭	"M" 15+20		27.2	R1-1	SB	STOP	30" X 30"	6.25	1	2.5"X2.5"	
				D3-1	EB/WB	MAIN ST.	30" X 8"	1.67			MOUNT ON SAME POST AS 14
				D3-1	SB/NB	STATE ST.	30" X 8"	1.67			MOUNT ON SAME POST AS 14
⑮	"M" 16+22	24.0		R1-1	NB	STOP	30" X 30"	6.25	1	2.5"X2.5"	
⑯	*STATE & 1ST			I-5	SB	(AIRPORT SYMBOL)	24" X 24"	4.00	1	2.5"X2.5"	
					SB	AIRPORT	24" X 6"	1.00			MOUNT ON SAME POST AS 16
					SB	AHEAD	24" X 6"	1.00			MOUNT ON SAME POST AS 16
⑰	*1ST & STATE			I-5	WB	(AIRPORT SYMBOL)	24" X 24"	4.00	1	2.5"X2.5"	
					WB	AIRPORT	24" X 6"	1.00			MOUNT ON SAME POST AS 17
					WB	AHEAD	24" X 6"	1.00			MOUNT ON SAME POST AS 17
TOTAL							68.84	(Allowance 8 SF)			

* TO BE DETERMINED BY THE ENGINEER

18	"M" 16+22	21'	D3-1	EB/WB	MAIN STREET	30" X 8"	1.67	-			MOUNT ON SAME POST AS 15
19	"M" 16+22	21'	D3-1	SB/NB	STATE STREET	30" X 8"	1.67	-			MOUNT ON SAME POST AS 15
20	"S" 17+00	18'	R2-1	NB	SPEED LIMIT 25	24" X 30"	5	1	2.5" X 2.5"		
21	"S" 10+50	17'	R2-1	EB	SPEED LIMIT 25	24" X 30"	5	1	2.5" X 2.5"		
22	"M" 18+50	17'	R2-1	SB	SPEED LIMIT 25	24" X 30"	5	1	2.5" X 2.5"		

PATH: Q:\SGY\71835\PLANSET\ - MISUM		
PLOT: Q:\-LIB\ -PLOT\ PLOT.PCP(1) OR PLOT.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

DESIGNED BY:
P. BEDNAROWICZ
DRAWN BY:
P. JONES
CHECKED BY:
P. BEDNAROWICZ

PROJECT NO.
71835
DATE:
1998
SHEET D1 OF100

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



DRAINAGE STRUCTURE SUMMARY											
STRUCTURE NUMBER	STATION	OFFSET		TYPE	INVERT	STRUCTURE NUMBER	STATION	OFFSET		TYPE	INVERT
		LEFT	RIGHT					LEFT	RIGHT		
(S-1)	"P" 10+38 15+43		22.8' 41.2'	"B" "A"	15.8 20.1	(S-16)	"M" 13+91		14' 25'	"A"	22.4 21.2
(S-2)	"P" 11+70 11+09		18' 48'	"B"	14.2 18.1	(S-17)	"M" 12+40		32'	"B"	21.4 18.1
(S-3)	"P" 11+70 11+10		24' 51'	"A"	20.6 17.5	(S-18)	"M" 12+40		18' 20'	"A" "C"	21.2 18.5
(S-4)	"P" 12+97		15.8' 12.5'	"B"	13.7 17.8	(S-19)	"M" 11+24 30		18' 20'	"A"	21.4 20.5
(S-5)	"P" 11+90 12+64		20.6' 31'	"A"	20.2 17.7	(S-20)	"M" 11+30		32'	"B" "A"	21.2 20.2
(S-6)	"P" 12+92	11.2' 12'		"C"	13.5 17.7	(S-21)	"M" 11+25		83'	"A"	20.9 21.5
(S-7)	"P" 15+52		16.8' 18'	"B" "A"	15.4 20.2	(S-22)	"M" 10+14		82'	"B"	20.8
(S-8)	"P" 15+52	24.7' 35.5'		"B"	15.8 20.5	(S-23)	"A" 100+85 37	95' 71'		"C"	23.2 21.1
(S-9)	"S" 17+48		15' 11'	"B"	16.4 20.8	(S-24)	"A" 95+80		190' 175'	"A"	21.2 17.7
(S-10)	"S" 16+45	17' 19'		"B" "A"	16.9 22.2	(S-25)	"M" 12+35	40'		"A"	19.4 18.4
(S-11)	"S" 15+42		15' 17.1'	"B" "A"	17.7 23.8	(S-26)	"M" 12+45	40'		"B"	19.2
(S-12)	"S" 14+50		15' 17.1'	"B" "A"	18.6 22.1	S-23A	"A" 100+57	75'		"C"	22.6
(S-13)	"M" 15+25		22' 28'	"B"	18.8 21.5						
(S-14)	"M" 15+10		18' 20'	"A"	24.3 21.6						
(S-15)	"M" 13+91		32'	"B" "A"	19.9 20.1						
						TOTAL 9 EA. (TYP "A") 15 EA. (TYP "B") 2 EA. (TYP "C")					

SEWER STRUCTURE SUMMARY					
STRUCTURE NUMBER	STATION	TYPE	REMARKS		
(MH-1)	"SS" 10+00="M" ¹¹⁺²² ~~11+18.40~~	DROP	EXISTING MANHOLE, CONVERT TO DROP MANHOLE		
(MH-2)	"SS" ~~12+05.07~~ 13+22.1	"B"			
(MH-3)	"SS" ~~14+10.14~~ 15+27.2	"B"			
(MH-4)	"SS" ~~16+71.04~~ 17+60.5	"B"			
(MH-5)	"SS" ~~17+31.88~~ 17+07.1	"B"			
TOTAL 4 EA. (TYP "B")					
SEWER PIPE SUMMARY					
PIPE NO.	DIA.	LENGTH	FROM	TO	INVERT
			STRUCTURE/STATION	STRUCTURE/STATION	
SS-14	8"	37.5'	MH-1A	MH-2	18.21
(SS-1)	8"	^{161.5'} ~~205'~~	(MH-1)	MH-1A (MH-2)	^{18.29} ~~17.94~~
(SS-2)	8"	^{208.5'} ~~205'~~	(MH-2)	(MH-3)	19.93
(SS-3)	8"	^{162.5'} ~~164'~~	(MH-3)	(MH-4)	21.21
(SS-4)	8"	^{161.5'} ~~164'~~	(MH-4)	(MH-5)	22.50
TOTAL 130.5' 782'					

STORM DRAIN PIPE SUMMARY								STORM DRAIN PIPE SUMMARY										
PIPE NO.	DIA.	LENGTH	FROM	INVERT	TO	INVERT	REMARKS	PIPE NO.	DIA.	LENGTH	FROM	INVERT	TO	INVERT	REMARKS			
			STRUCTURE/STATION		STRUCTURE/STATION						STRUCTURE/STATION		STRUCTURE/STATION					
(P-1)	24"	19' 37'	(S-1)	15.8	21.6	(S-2)	14.2	20.2	(P-19)	18"	14' 10'	(S-19)	21.4	22.0	(S-20)	21.9	21.7	
(P-2)	18"	13' 12'	(S-3)	20.6	21.2	(S-2)	14.2	20.2	(P-20)	18"	51' 58'	(S-20)	21.2	21.7	(S-21)	20.9	23.0	
(P-3)	24"	75' 71'	(S-2)	14.2	20.2	(S-4)	13.7	17.5	(P-21)	18"	112' 58'	(S-21)	21.2	21.7	(S-22)	20.9		
(P-4)	18"	20' 24'	(S-5)	20.2	21.6	(S-4)	13.7	17.5	(P-22)	18"	112' 58'	(S-22)	21.2	21.7	(S-22)	20.9		
(P-5)	24"	22' 27'	(S-4)	13.7	17.5	(S-6)	13.7	17.5	(P-23)	36"	50'	"A" 94+60	17.3		CULVERT OUTLET	17.0	DITCH DRAINAGE	
(P-6)	24"	45' 57'	(S-6)	13.7	17.5	CULVERT OUTLET	13.7	17.5	(P-24)	36"	100' 42'	"A" 99+94	22.6		(S-23)	22.4	22.9	DITCH DRAINAGE
(P-7)	18"	6' 12'	(S-7)	15.4	21.1	(S-1)	15.4	21.1	(P-25)	36"	110' 00'	(S-23)	23.2	22.7	"A" 101+57	23.7	DITCH DRAINAGE	
(P-8)	18"	52'	(S-8)	15.4	22.2	(S-7)	15.4	21.1	(P-26)	36"	110' 64'	"A" 112+68	31.2		"A" 113+32	31.7	DITCH DRAINAGE	
(P-9)	18"	26' 28'	(S-9)	16.4	22.5	(S-8)	15.4	21.1	(P-27)	36"	110' 58'	"A" 122+23	38.6		"A" 122+79	39.1	DITCH DRAINAGE	
(P-10)	18"	15' 10'	(S-10)	16.4	23.5	(S-9)	16.4	22.2	(P-28)	36"	110' 49'	"A" 135+07	49.9		"A" 135+56	50.3	DITCH DRAINAGE	
(P-11)	24"	100'	(S-11)	17.7		(S-10)	16.4		(P-29)	18"	120' 100'	"A" 135+00					CROSS TAXIWAY DRAINAGE	
(P-12)	18"	81' 92'	(S-12)	18.6	23.9	(S-11)	17.7	23.3	(P-30)	18"	40'	"A" 125+00					HANGER ACCESS	
(P-13)	18"	40' 44'	(S-13)	18.8	23.0	(S-12)	18.5	23.9	(P-31)	18"	50'	"A" 123+20					HANGER ACCESS	
(P-14)	18"	23' 24'	(S-14)	24.3	23.2	(S-13)	20.5	23.0	(P-32)	18"	112' 100'	"A" 110+00 118+80					CROSS TAXIWAY DRAINAGE	
(P-15)	18"	133' 196'	(S-15)	19.9	21.7	(S-13)	18.8	23.0	(P-33)	18"	112' 100'	"A" 104+10 102+50					CROSS TAXIWAY DRAINAGE	
(P-16)	18"	13'	(S-16)	22.4	22.8	(S-15)	20.7	21.1	(P-34)	18"	15' 10'	"M" 12+85 5-25	19.3		"M" 12+45 40-LT	17.0	FIELD DETERMINE ELEVATIONS	
(P-17)	18"	151'	(S-17)	21.4	20.2	(S-15)	19.9	21.1	(P-35)	18"	10'	"A" 95+00, 100'-RT			"A" 95+10, 100'-RT		FIELD DETERMINE ELEVATIONS	
(P-18)	24" 18"	12' 15'	(S-18)	21.2	19.1	(S-17)	21.4	20.2	P-18A	24"	10'	S-18	17.7		Extend to "M" 12+70 -L	16.0		
P-17A	18"	111'	S-17	20.2	S-23A	23.1			P-36	18"	11'	"A" 107+75					CROSS TAXIWAY DRAINAGE	
P-23A	18"	17'	S-23A	22.7	S-23A	23.1			P-37	36"		"A" 133+50 LT					FOR VAS1 INSTRUCTION	
P-100	18"	3'					Ditch Line Pipe for Sign # 1		P-38	36"		"A" 128+50 LT					FOR VAS1 INSTRUCTION	
P-101	18"	8'					Ditch Line Pipe for Sign # 1B											
P-102	18"	8'					Ditch Line Pipe for Sign # 8											
P-103	18"	40'	"A" 101+80 LT.				Drain for Taxiway B-1											
								TOTAL 1020 LF (18" CMP) 723 LF (24" CMP) 382 LF (36" CMP)										

NOTES:

PATH: Q:\SGY\71835\PlanSet\PIPESUM

PLOT: Q:\LIB\PILOT\PILOT.PCP(100) OR PLOT.PCP(200)

BY: DATE: DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION

AND PUBLIC FACILITIES

SOUTHEAST REGION

SKAGWAY

SKAGWAY AIRPORT IMPROVEMENTS

FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

DRAINAGE AND SEWER SUMMARY

ALASKA

DESIGNED BY: DAN KROMAREK

DRAWN BY: L. ROBERTSON

CHECKED BY: T. MOORE

PROJECT NO. 71835

DATE: 1998

SHEET D2 OF 100

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

STATE OF ALASKA

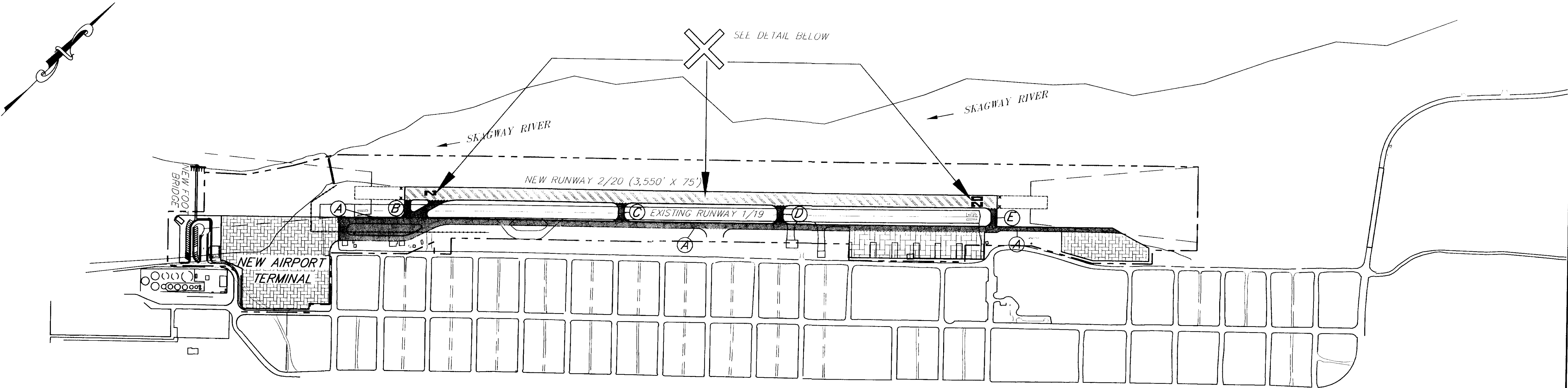
49th

Tracy W. Moore

Tracy W. Moore

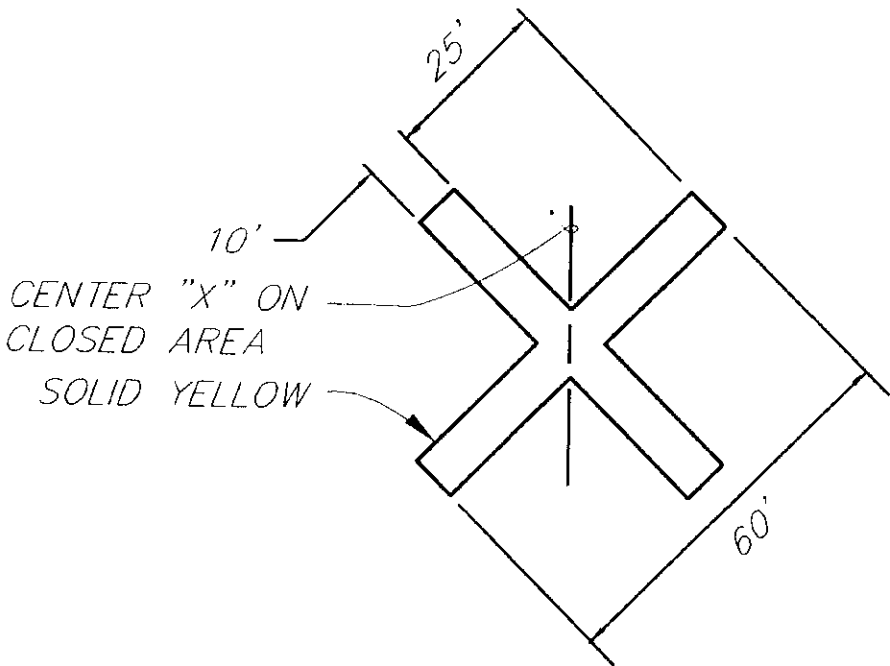
CE-4932

REGISTERED PROFESSIONAL ENGINEER



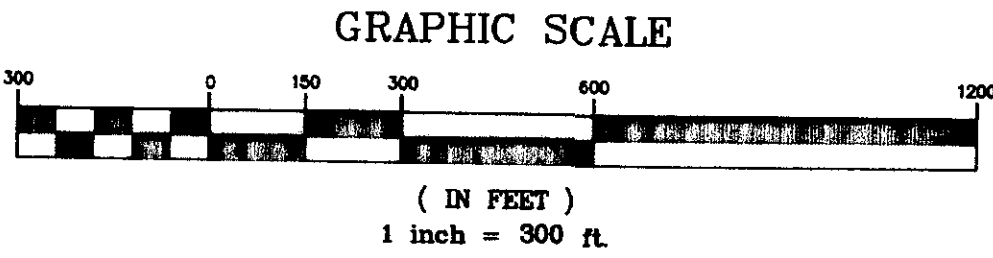
SAFETY PLAN NOTES

1. AT LEAST A 2,500' X 75' LANDING SURFACE ON THE EXISTING RUNWAY SHALL REMAIN OPEN TO AIRCRAFT TRAFFIC AT ALL TIMES.
2. THE NORTHEAST 2,500' OF THE EXISTING RUNWAY MUST REMAIN OPEN TO AIRCRAFT TRAFFIC FROM MAY 20 THRU SEPTEMBER 10, UNLESS THE NEW PAVED RUNWAY HAS BEEN OPENED. BOTH EXISTING TAXIWAY RAMPS SHALL REMAIN OPEN THROUGH THE SAME TIME PERIOD.
3. EQUIPMENT SHALL NOT BE ALLOWED ON THE OPEN PORTION OF THE EXISTING RUNWAY, OR WITHIN 200' OF IT'S TEMPORARY THRESHOLD. WHEN AIRCRAFT ARE APPROACHING OR DEPARTING, EQUIPMENT SHALL NOT BE WITHIN 100' OF THE RUNWAY CENTERLINE.
4. RUNWAY LIGHTS AND REIL LIGHTS ALONG THE OPEN PORTION OF THE RUNWAY SHALL REMAIN OPERATIONAL AT ALL TIMES, EXISTING REIL LIGHTS SHALL BE RELOCATED BY THE CONTRACTOR, AS NECESSARY TO IDENTIFY THE TEMPORARY RUNWAY LIMITS. RUNWAY LIGHTS ALONG THE CLOSED PORTION OF THE EXISTING RUNWAY SHALL BE REMOVED OR CONVERTED.
5. EXISTING RUNWAY NUMBERS SHALL BE COVERED OR REMOVED AT THE END OF THE RUNWAY THAT IS CLOSED.
6. THE NEW RUNWAY 2/20 SHALL BE COMPLETED PRIOR TO CLOSING THE EXISTING RUNWAY 1/19 EXCEPT FOR STRIPING.
7. TAXIWAY A, C, AND D CONSTRUCTION WORK SHALL NOT BE ALLOWED UNTIL THE NEW RUNWAY IS PAVED AND APPROVED FOR USE.
8. TEMPORARY CLOSURE OF THE EXISTING RUNWAY 1/19 DURING THE CONSTRUCTION NEW RUNWAY 2/20:
 - A. "X" 1/2 SIZE SHALL BE PLACED IN MIDPOINT OF THE NEW TAXIWAY "B" THRU "E" DURING CONSTRUCTION.
 - B. "X" 1/2 SIZE SHALL BE PLACED ON BOTH ENDS AND MIDPOINT OF NEW TAXIWAY "A".
9. THE EXISTING APRON SHALL REMAIN OPEN UNTILL THE NEW APRON IS CONSTRUCTED AND AIRCRAFT OPERATIONS CAN BE MOVED TO THE NEW APRON.
10. DURING CONSTRUCTION OF TAXIWAY A, THE EXISTING FUEL OPERATION SHALL NOT BE SHUT DOWN FOR MORE THAN 7 DAYS.



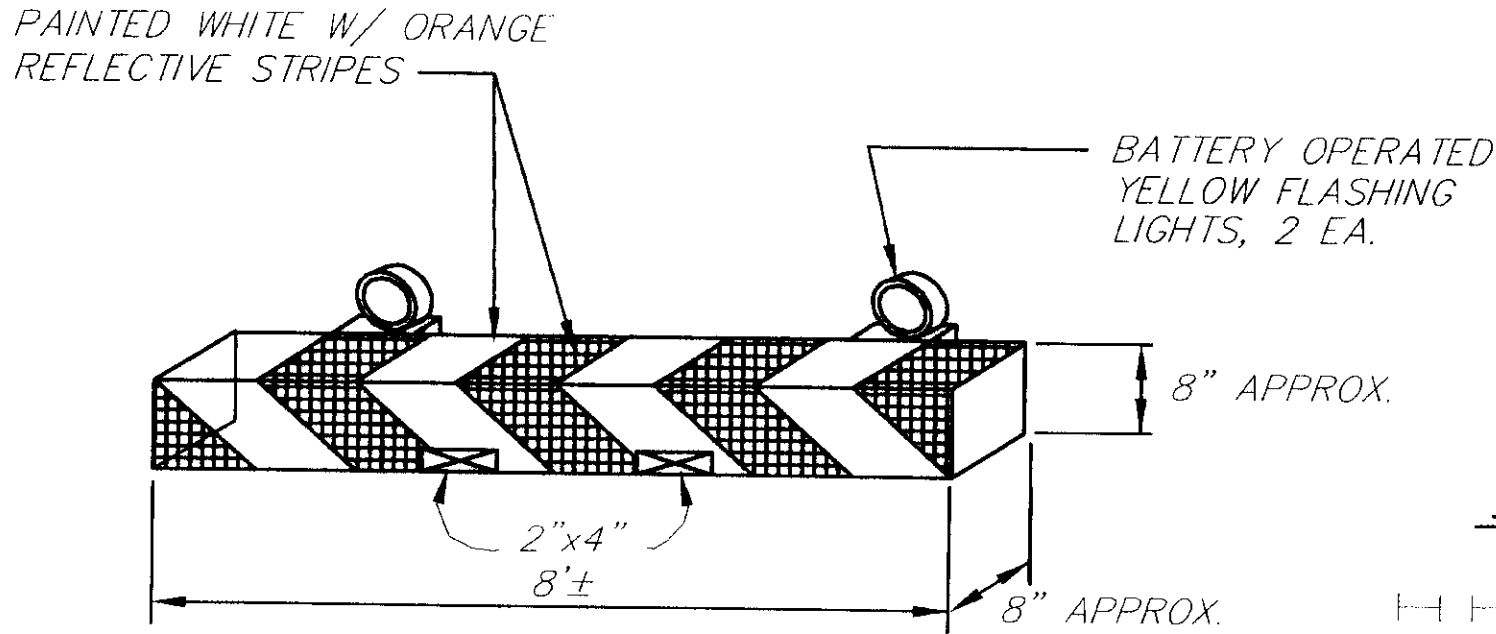
TEMPORARY MARKINGS

N.T.S.



NOTES:

1. CROSSES SHALL BE YELLOW IN COLOR AND MAY BE CONSTRUCTED OF PLASTIC OR OTHER SUITABLE MATERIAL.
2. CROSSES SHALL BE PLACED AT EACH END AND AT THE MIDDLE OF THE CLOSED PORTION OF THE EXISTING RUNWAY.
3. CROSSES SHALL BE MAINTAINED ON THE NEW RUNWAY AS CONSTRUCTION PROCEEDS FROM TOP OF PAVEMENT THROUGH OPENING TO TRAFFIC.



- NOTES:
1. BASE MAY BE MADE FROM WOOD OR SIMILAR MATERIAL AND MUST BE ANCHORED.

**TYPICAL CONSTRUCTION BARRIER
ADJACENT TO MOVEMENT AREA**

N.T.S.

EST. OF QUANTITIES	
ITEM	MIN. AMOUNT
CONSTRUCTION BARRIERS	12
12" CONES	50

LEGEND

- LOW STYLE BARRICADE
- TEMPORARY MARKING
- 12" CONE WITH WEIGHTED BASE
- NEW APRON CONSTRUCTION
- NEW RUNWAY CONSTRUCTION
- EXISTING APRON
- NEW TAXIWAY CONSTRUCTION
- NEW TAXIWAY

Q: \SGY\1835\PLANSET\--SPLAN	RECORD OF REVISIONS
Q: \-LIB\--PLOT\LOTIF.PCP(300) OR PLOTH.PCP(600)	
DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

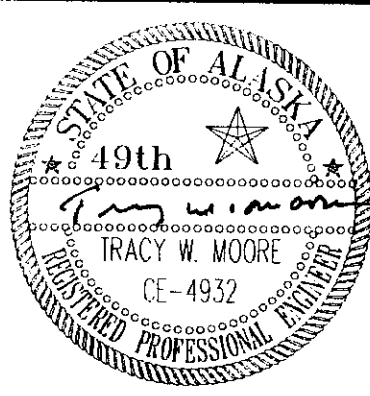
SKAGWAY
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

SAFETY PLAN

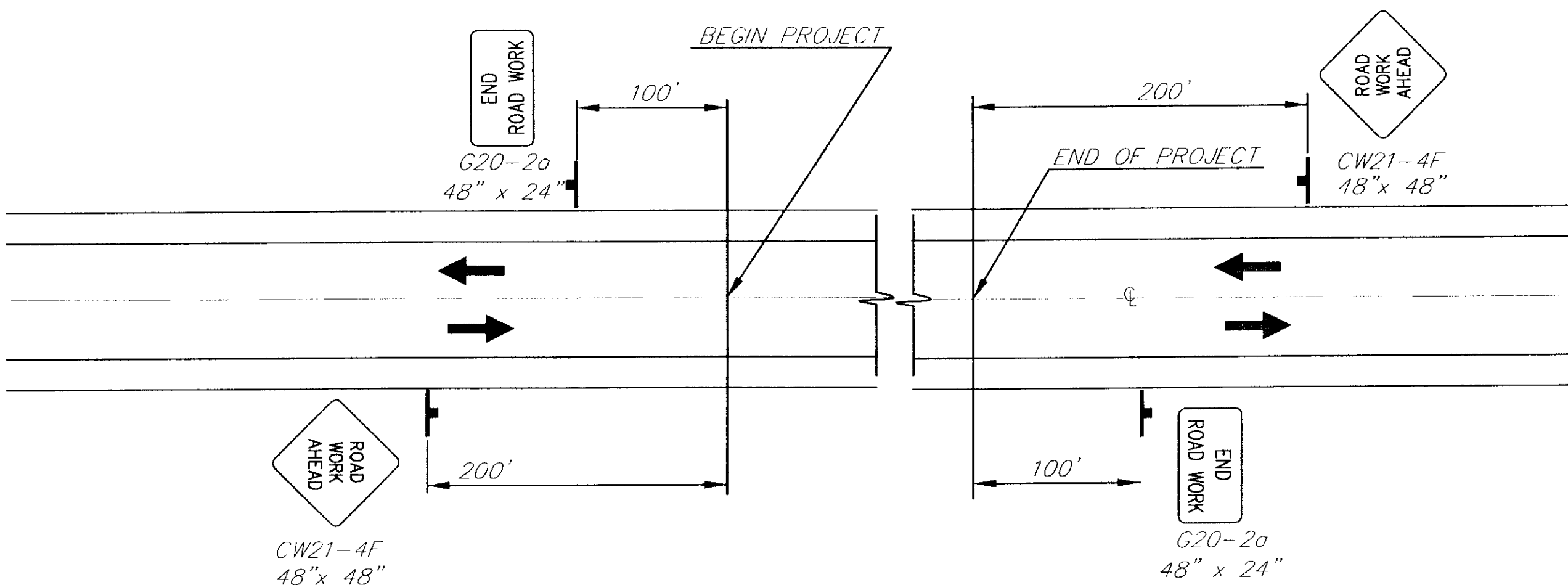
DESIGNED BY: P. JONES	PROJECT NO. 71835
DRAWN BY: P. JONES	DATE: 1998
CHECKED BY: NAME	SHEET E1 OF 100

NOTE: DO NOT SCALE FROM THESE PLANS--USE DIMENSIONS

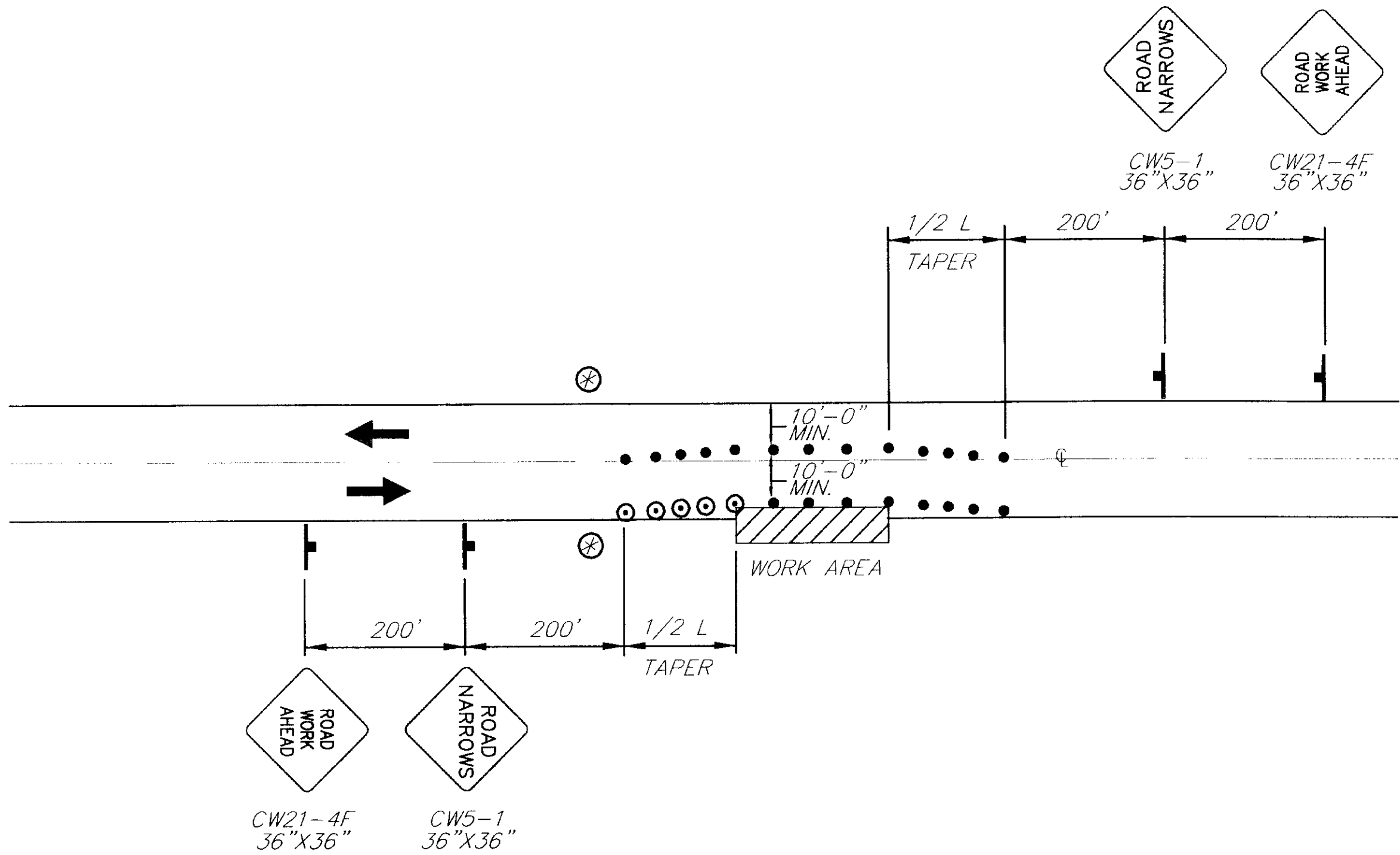


TRAFFIC CONTROL NOTES
FOR ACCESS ROAD CONSTRUCTION

1. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT MAY BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATIONS NOT COVERED BY THIS TCP SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
2. TRAFFIC LANES SHALL BE A MINIMUM OF 10 FEET WIDE.
3. EMERGENCY ACCESS TO THE AIRPORT WILL BE MAINTAINED AT ALL TIMES.
4. THE CONTRACTOR WILL ATTEMPT TO RESTORE ACCESS TO BUSINESSES AND HOMES AS SOON AS POSSIBLE. ACCESS TO BUSINESSES AND HOMES WILL NOT BE SHUT OFF FOR MORE THAN A 24-HOUR PERIOD.
5. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, ROAD CLOSURES, AND CHANGES IN THE LANE CONFIGURATIONS.
6. A SINGLE FLAGGER MAY BE APPROVED BY THE ENGINEER IF THE ENTIRE WORK AREA IS VISIBLE FROM THE FLAGGER STATION.



PERMANENT CONSTRUCTION SIGNING



ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE SHALL BE DELETED.

LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION
- ⊗ NO PARKING WITHIN 200' OF CONES

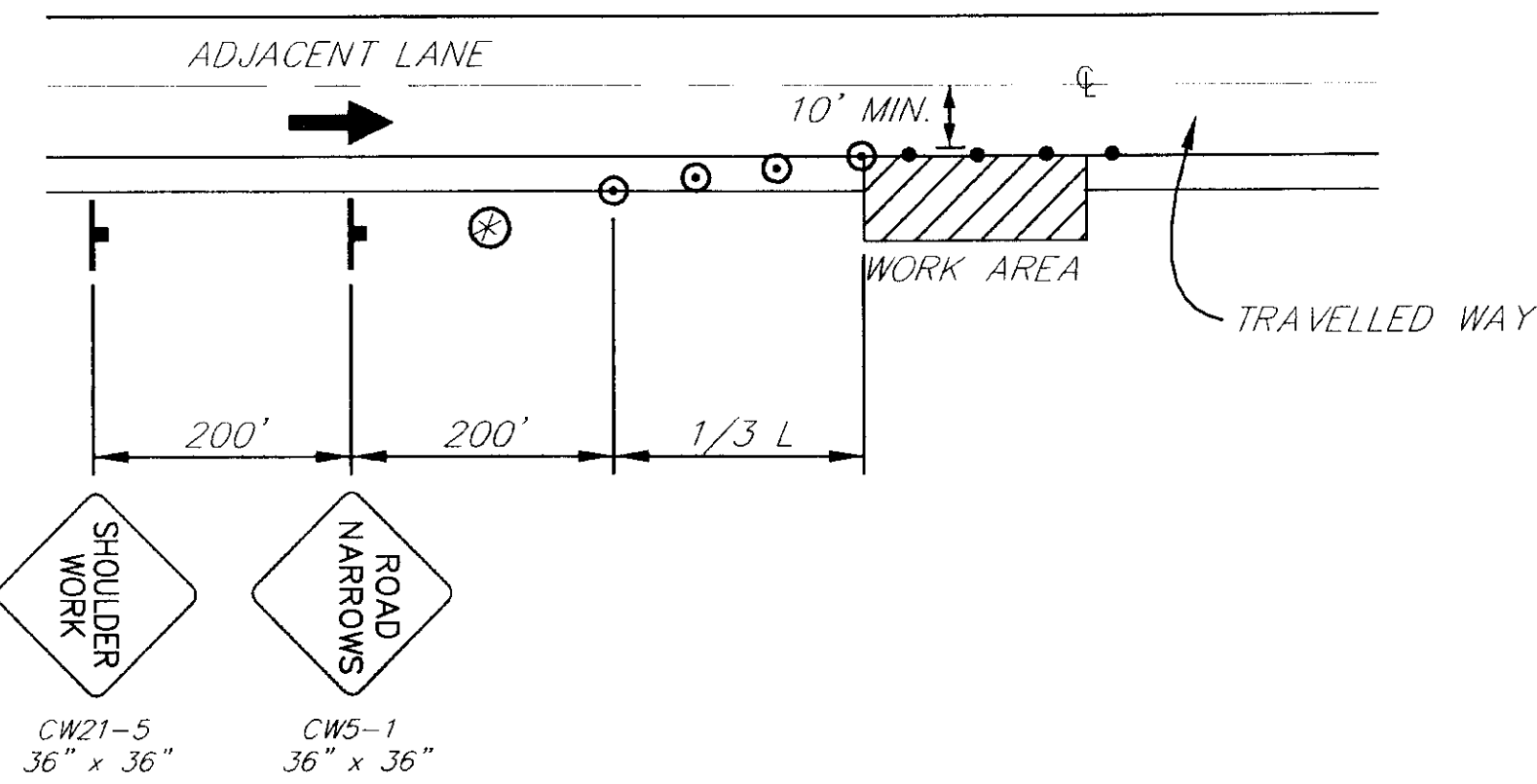
FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{W \times S^2}{60}$

45 MPH OR GREATER $L = W \times S$

WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT OR ANTICIPATED OPERATING SPEED

TCP SETUP TABLE			
SPEED (MPH)	BUFFER LENGTH (FT)	CONE/DRUM SPACING (FT)	TAPER RATE (T)
20	35	20	7:1
25	55	25	10:1
30	85	30	15:1
35	120	35	20:1
40	170	40	40:1
45	220	45	45:1
50	280	50	50:1
55	335	55	55:1
60	415	60	60:1
65	485	65	65:1



SHOULDER WORK

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

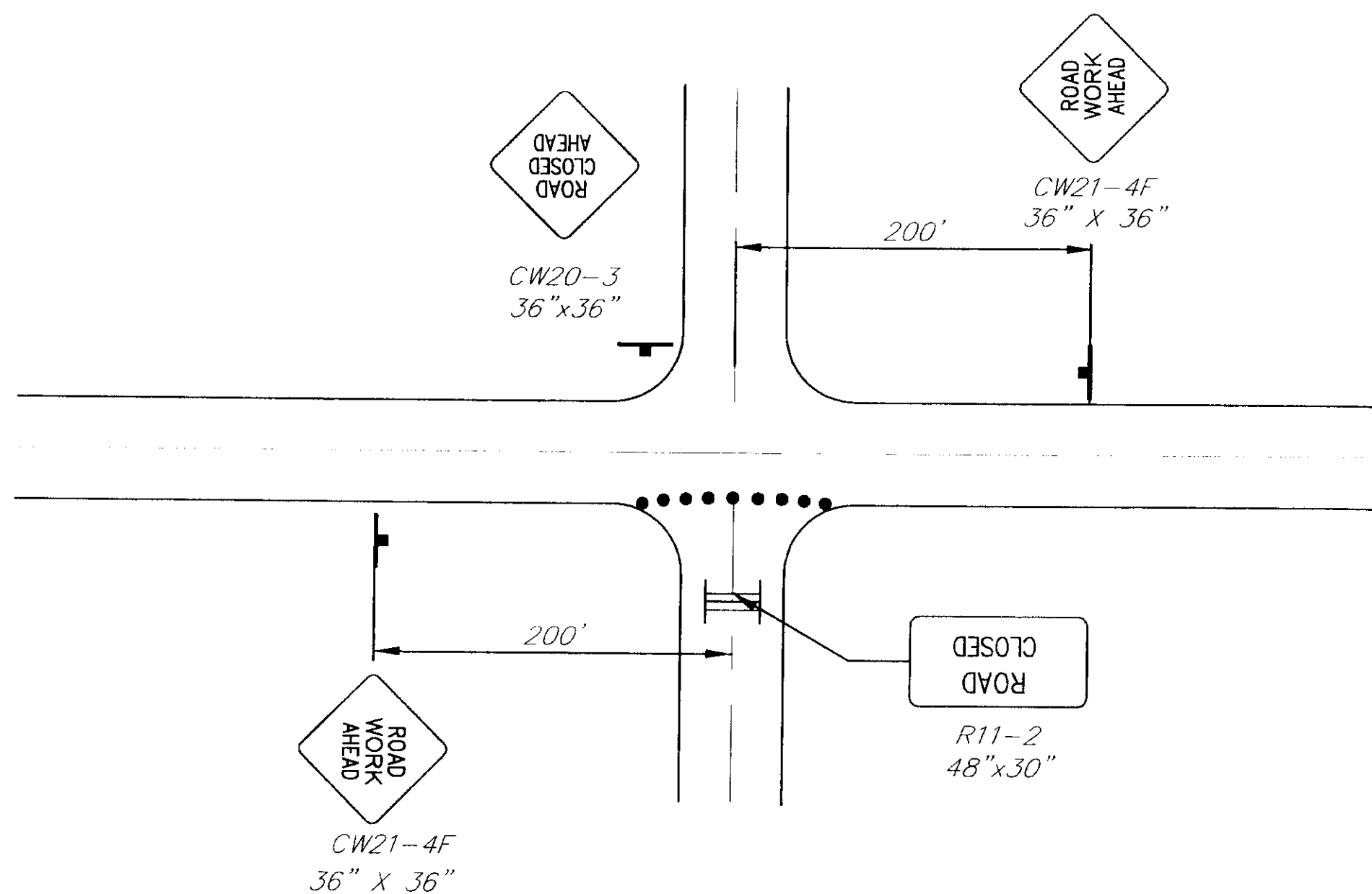
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PLOT: P:\-LIB\-PLOT\PLOTF.PCP(1) OR PLOTH.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY SKAGWAY AIRPORT IMPROVEMENTS ALASKA
FED. NO. 3-02-0270-0399 PROJECT NO. 71835
TRAFFIC CONTROL PLAN

DESIGNED BY:	PROJECT NO.
M. LUKSHIN	71835
DRAWN BY:	DATE:
K. KLEMMETSDON	1998
CHECKED BY:	SHEET E2 OF 100
R. PURVES	





ROAD CLOSURE

LEGEND

- SIGN
- CONE
- ⊙ DRUM
- ||| TYPE III BARRICADE
- FLAGGING STATION

⊙ NO PARKING WITHIN 200' OF CONES

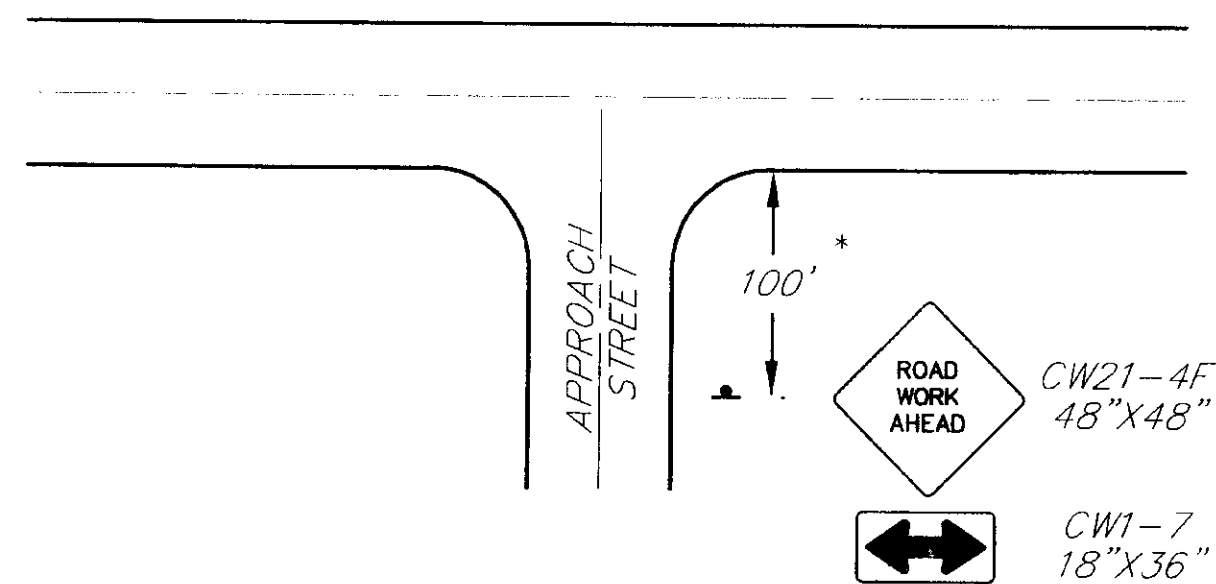
FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{W \times S^2}{60}$

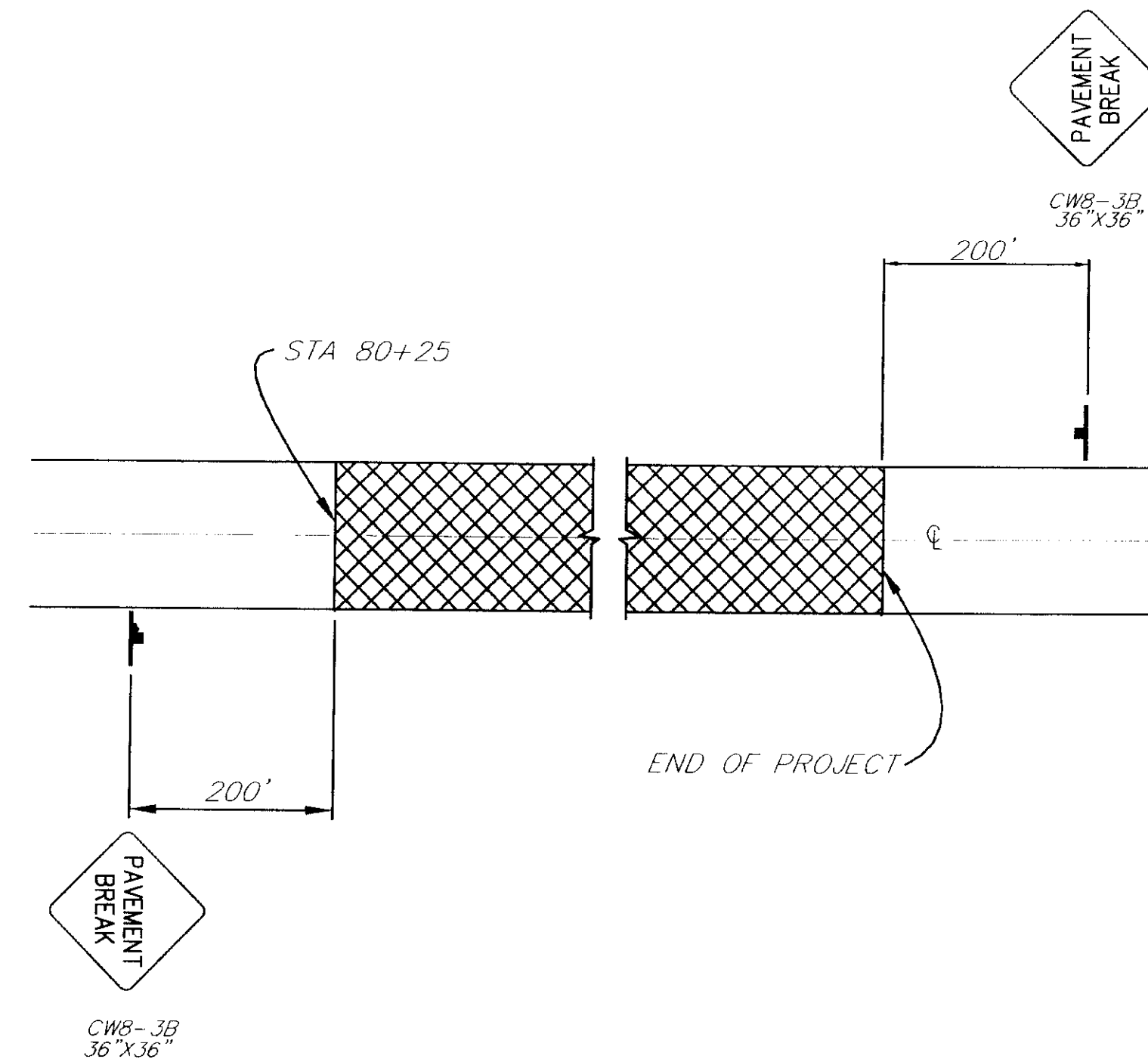
45 MPH OR GREATER $L = W \times S$

WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT OR ANTICIPATED OPERATING SPEED

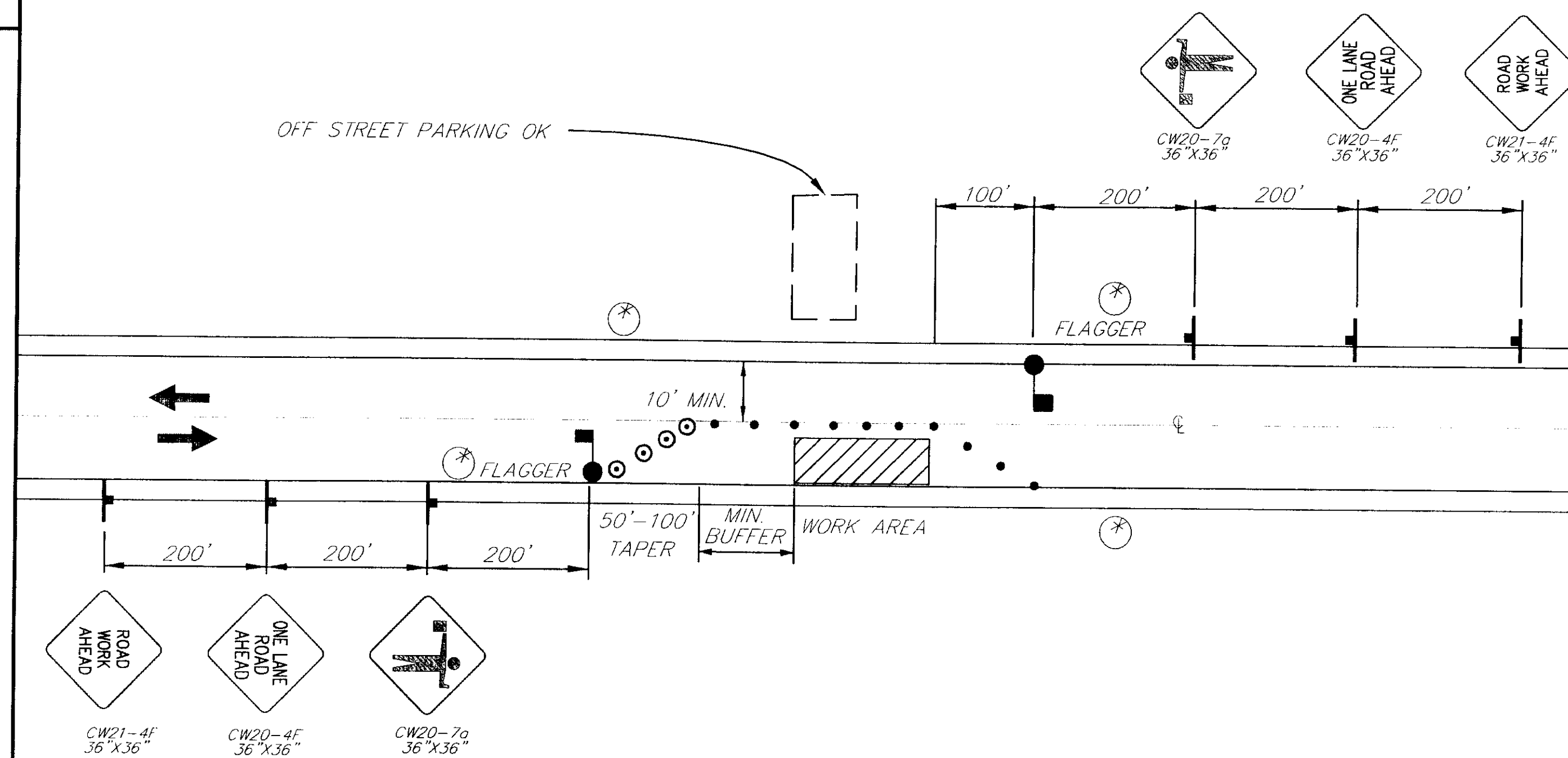
TCP SETUP TABLE			
SPEED (MPH)	BUFFER LENGTH (FT)	CONE/DRUM SPACING (FT)	TAPER RATE (T)
20	35	20	7:1
25	55	25	10:1
30	85	30	15:1
35	120	35	20:1
40	170	40	40:1
45	220	45	45:1
50	280	50	50:1
55	335	55	55:1
60	415	60	60:1
65	485	65	65:1



PERMANENT CONSTRUCTION SIGNING



SIGNING FOR UNPAVED AREA



SINGLE LANE CLOSURE TWO LANE ROAD

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\SGY\71835\PLANSET\--TCP4		
PLOT: P:\-LIB\--PLOT\PL0TF.PCP(1) OR PLOTH.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

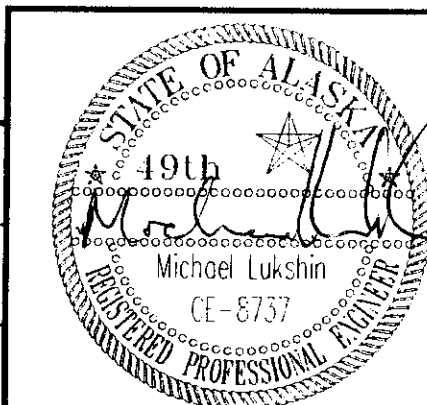
SKAGWAY

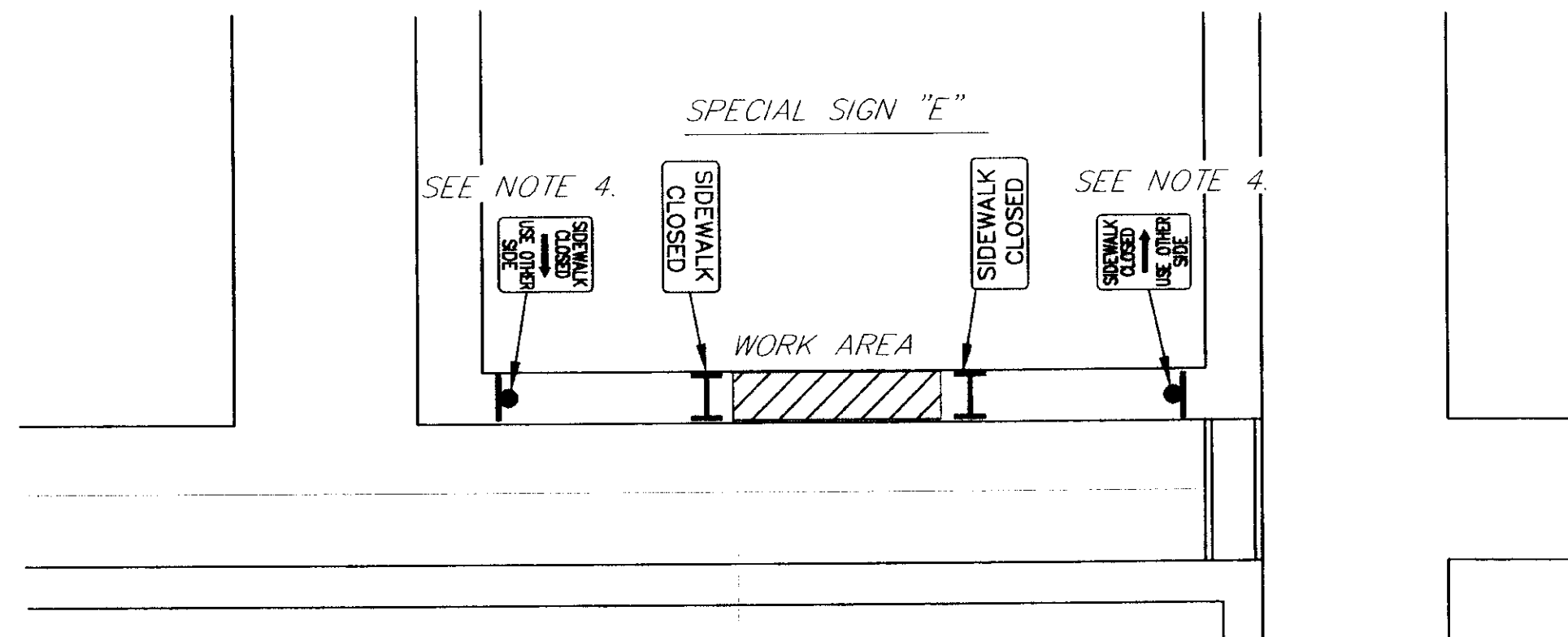
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 PROJECT NO. 71835

TRAFFIC CONTROL PLAN

ALASKA

DESIGNED BY: M. LUKSHIN	PROJECT NO. 71895
DRAWN BY: K. KLEMMETSON	DATE: 1998
CHECKED BY: R. PURVES	SHEET E3 OF 100

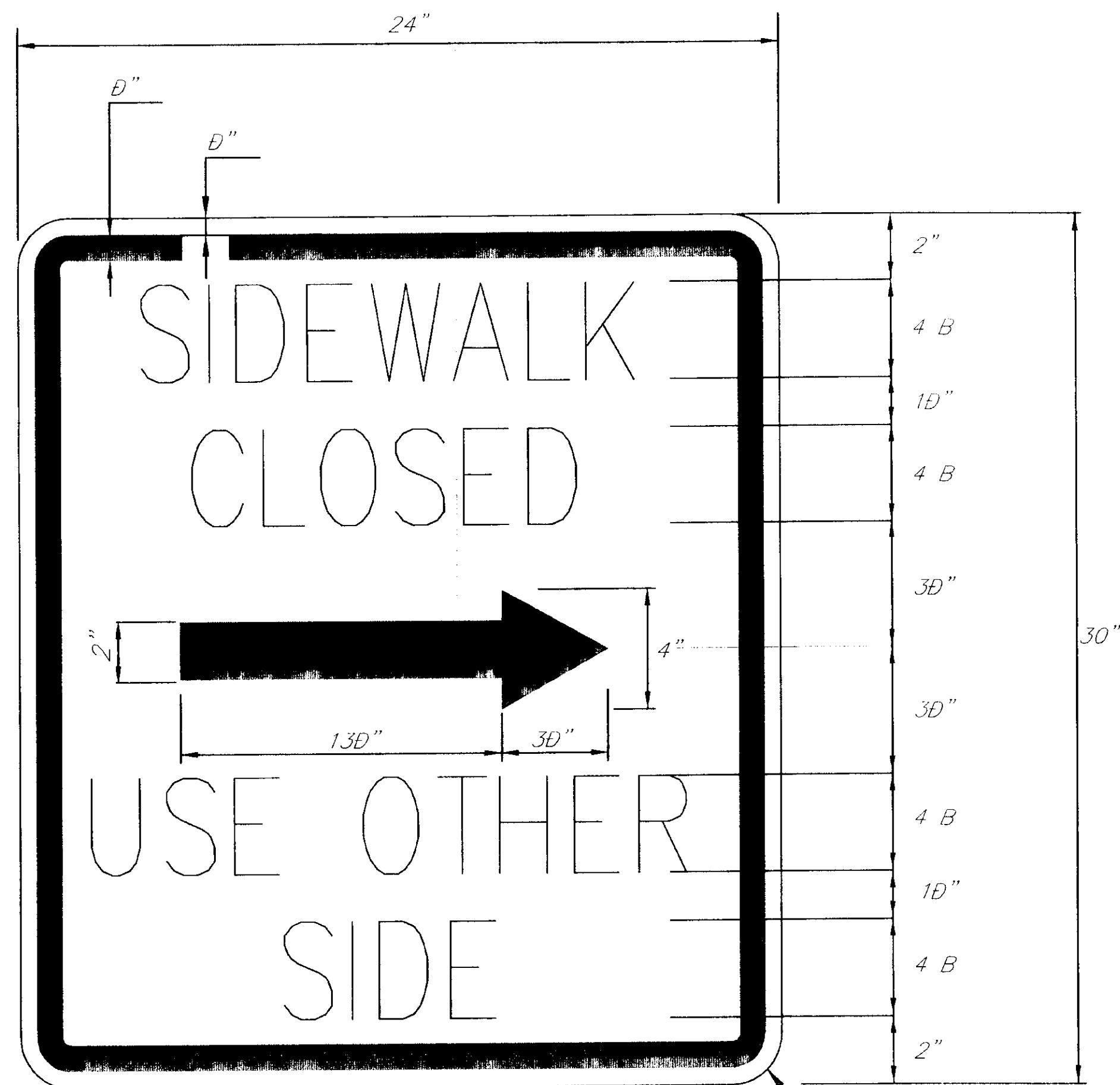




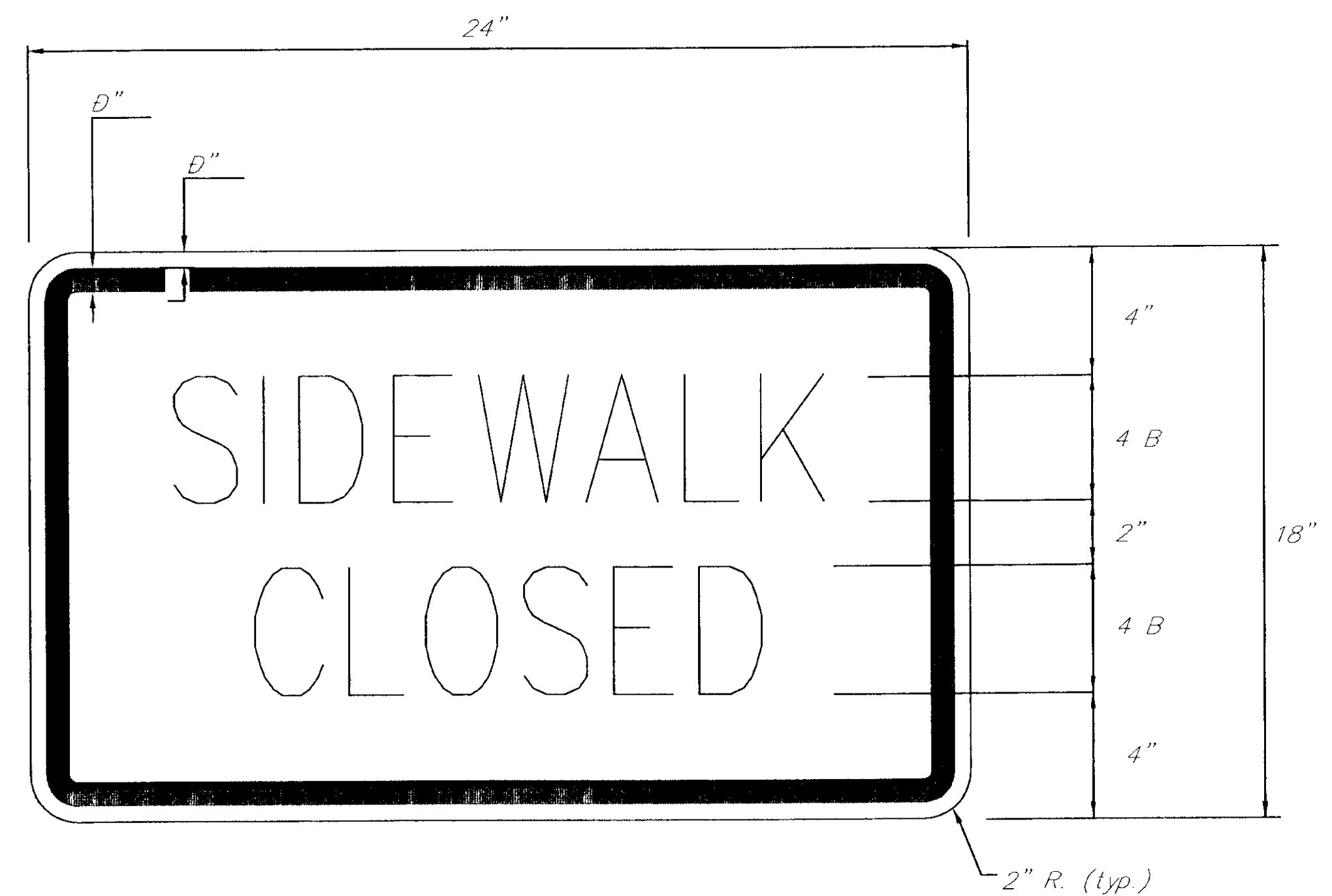
**EXISTING SIDEWALK
RECONSTRUCTION**

SIGN NOTES:

1. SIGNS SHALL HAVE WHITE BACKGROUND WITH BLACK LEGEND. LETTERING SHALL BE AS SHOWN ON THE PLAN.
2. SPECIAL SIGN "C" IS SHOWN. SPECIAL SIGN "D" SHALL HAVE THE ARROW POINTING IN THE OPPOSITE DIRECTION.
3. SIGNS SHALL CONFORM TO THE ALASKA SIGN DESIGN SPECIFICATIONS (ASDS). LETTERING SHALL BE 4 INCHES HIGH AND SERIES B.
4. WHERE IT IS IMPRACTICAL TO WALK AROUND THE CLOSED PORTION OF THE SIDEWALK, SPECIAL SIGNS "C" OR "D" SHALL BE SET UP AT THE NEAREST EXISTING CROSSWALK.



SPECIAL SIGN "C" (RIGHT ARROW)
SPECIAL SIGN "D" (LEFT ARROW)



SPECIAL SIGN "E"

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

PATH: Q:\SGY\71835\PLANSET\—TCP3		
P: \LIB\LOT\LOT1.PCP(1) LOT1.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

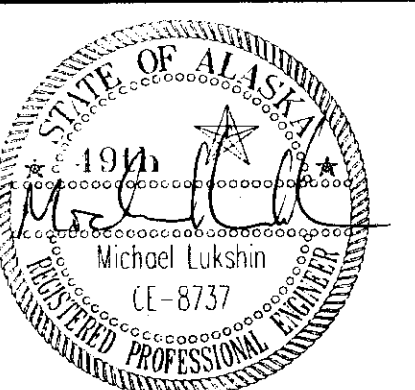
SKAGWAY

SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

TRAFFIC CONTROL PLAN

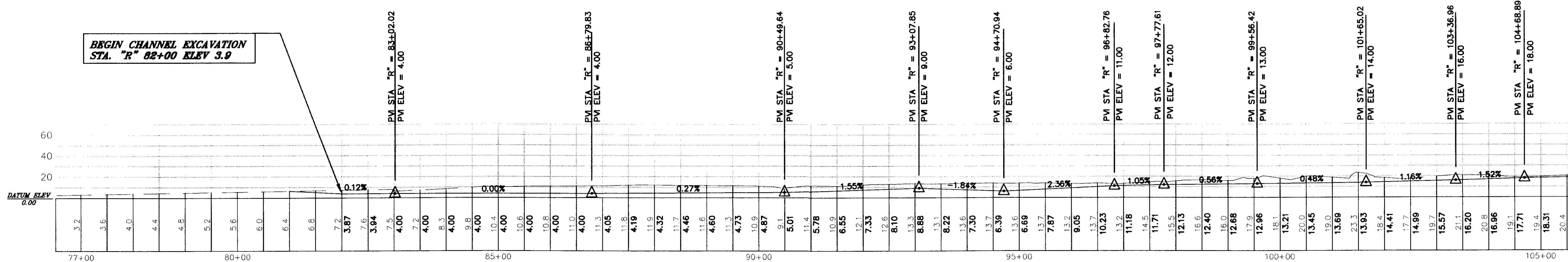
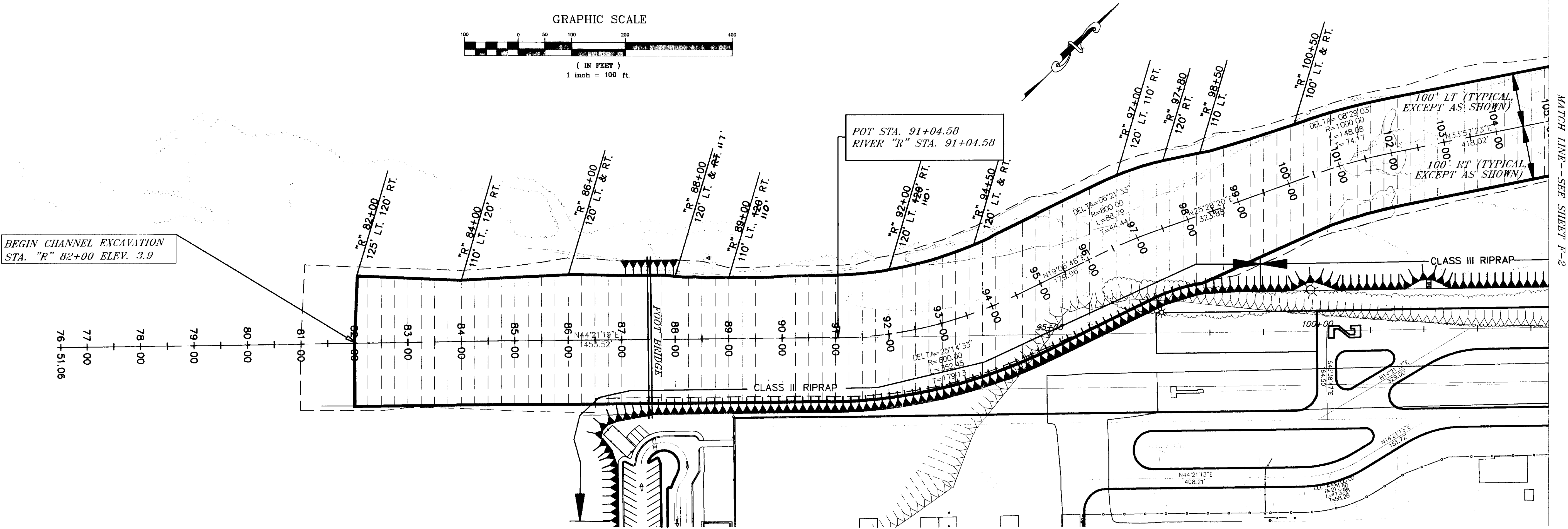
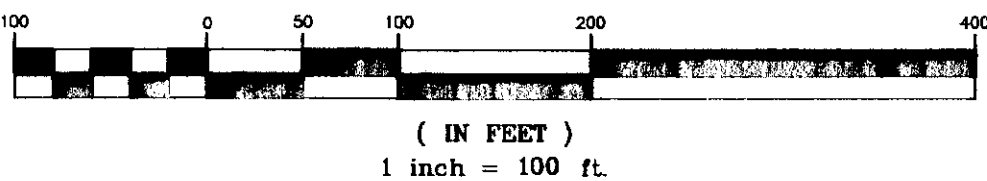
DESIGNED BY: M. LUKSHIN	PROJECT NO. 71835
DRAWN BY: K. KLEMMETSON	DATE: 1998
CHECKED BY: M. LUKSHIN	SHEET E4 OF 100



NOTE: PROFILE ELEVATION SHOWN IS THE LOWEST ELEVATION THE CONTRACTOR MAY USE. TO BALANCE QUANTITIES, THE ENGINEER MAY RAISE THE PROFILE. THIS WILL BE APPROX. WITHIN THE FIRST 1,200 FT. OF THE START OF PROFILE.

RIVER EXCAVATION THIS SHEET
122,500 cy. INCLUDES 200 cy. WASTE

GRAPHIC SCALE



NOTE: DO NOT SCALE FROM THESE PLANS--USE DIMENSIONS

PATH: Q:\SGY\71835\PLANSET\RiverExc.VIEWS: TITLE1,PROFILE1,PLAN1, ELEV		
SCRIPT: HP5000a		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

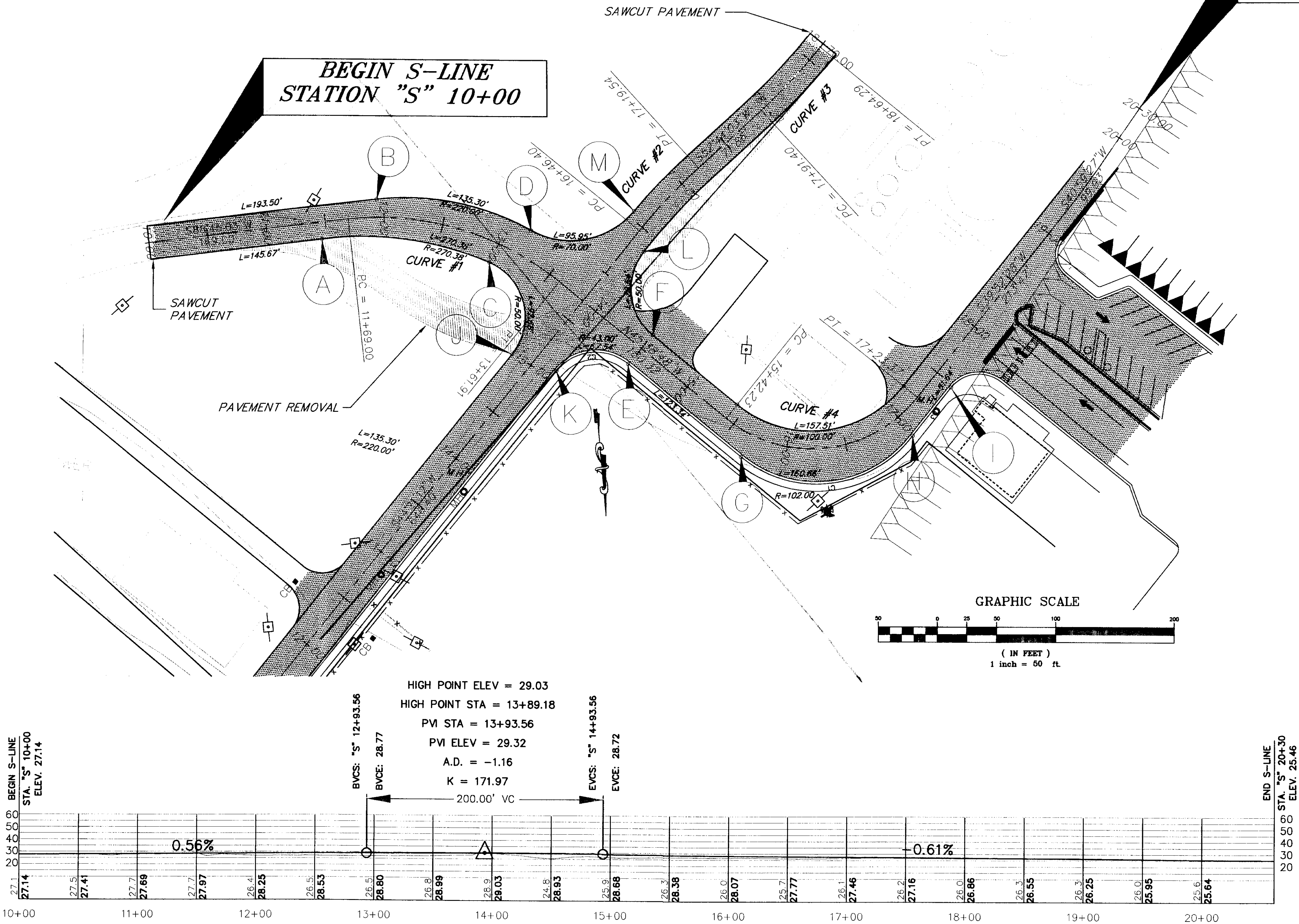
SKAGWAY
SKAGWAY AIRPORT IMPROVEMENT
FED. NO. 3-02-0270-0399 PROJECT NO. 71835
RIVER EXCAVATION PLAN
PLAN AND PROFILE
STA. 82+00 TO STA. 105+00

DESIGNED BY:	PROJECT NO.
Pete Bednarowicz	71835
DRAWN BY:	DATE:
L. ROBERTSON	1998
CHECKED BY:	SHEET F1 OF 100
T. MOORE	



LINE WIDENING TABLE

STATION	OFFSET		LOCATION
	LT.	RT.	
"S" 11+45.67		14.00'	(A)
"S" 11+69	14.00'	14.48'	
"S" 11+93.77	15.34'		(B)
"S" 12+00	15.84'	15.10'	
"S" 12+25	18.25'	15.61'	
"S" 12+50	20.16'	16.12'	
"S" 12+75	21.52'	16.62'	
"S" 12+98.58		17.10'	(C)
"S" 13+00	22.30'		
"S" 13+18.51	22.51'		(D)
"S" 14+49.02		17.00'	(E)
"S" 14+50.02	15.00'		(F)
"S" 15+68.04		20.39'	(G)
"S" 15+75		22.18'	
"S" 16+00		27.10'	
"S" 16+25		29.38'	
"S" 16+50		28.85'	
"S" 16+75		25.54'	
"S" 16+99.78		19.83'	(H)
"S" 17+23.37	15.00'	17.00'	(I)
"S" 17+47.55		17.00'	(J)
			(K)
"M" 14+97.77	18.00'		(L)
"M" 15+10.49		20.00'	(M)
"M" 16+35.49		14.00'	
"M" 16+56.00	14.00'		



END S-LINE
STATION "S" 20+30.00

CURVE # 1
S-LINE PI STATION 12+70.89
DELTA = 45° 36' 10"
R = 242.37
L = 192.91
T = 101.89
S = 0.02
BT = 11+08.70
BFS = 11+98.70
EFS = 13+32.21
ET = 14+22.21

CURVE # 4
S-LINE PI STATION 16+57.73
DELTA = 90° 10' 28"
R = 115.00
L = 181.13
T = 115.49
S = 0.02
BT = 14+81.93
BFS = 15+71.93
EFS = 16+93.67
ET = 17+83.67

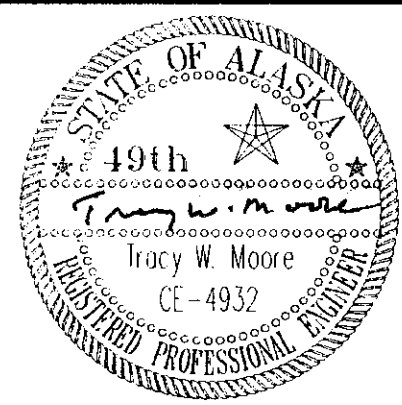
UNCLASSIFIED EXCAVATION 90cy
INCLUDES WASTE 10cy
EMBANKMENT 2,400cy

PATH: Q:\SGY\71835\PLANS\1\Road VIEWS: STREET		
PLOT: Q:\LIB\1-PLOT\1PLOT.PCP(100) OR 1PLOT.PCP(200)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835
ALASKA
STATE STREET EXTENSION PLAN & PROFILE

DESIGNED BY:	P. JONES	PROJECT NO.	71835
DRAWN BY:	K. KLEMMETSON	DATE:	1998
CHECKED BY:	T. MOORE	SHEET F10 OF 100	



STA: 12+50.31
OFFSET: 85.92 L

5' MIN CLEARANCE

STA: 12+39.58
OFFSET: 90.66 L

PC = "P"12+18.69

PRC = "P"13+87.94
PT = "P"14+16.12

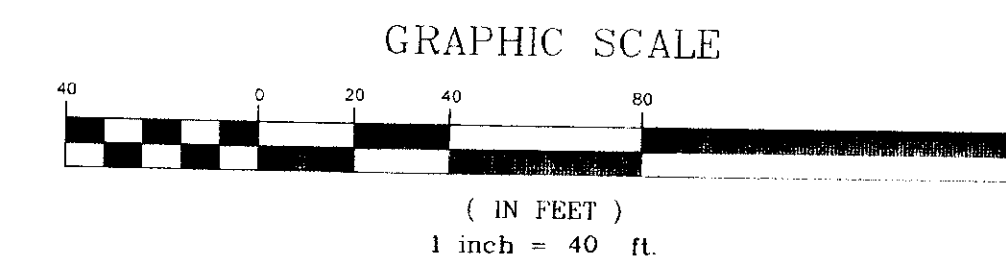
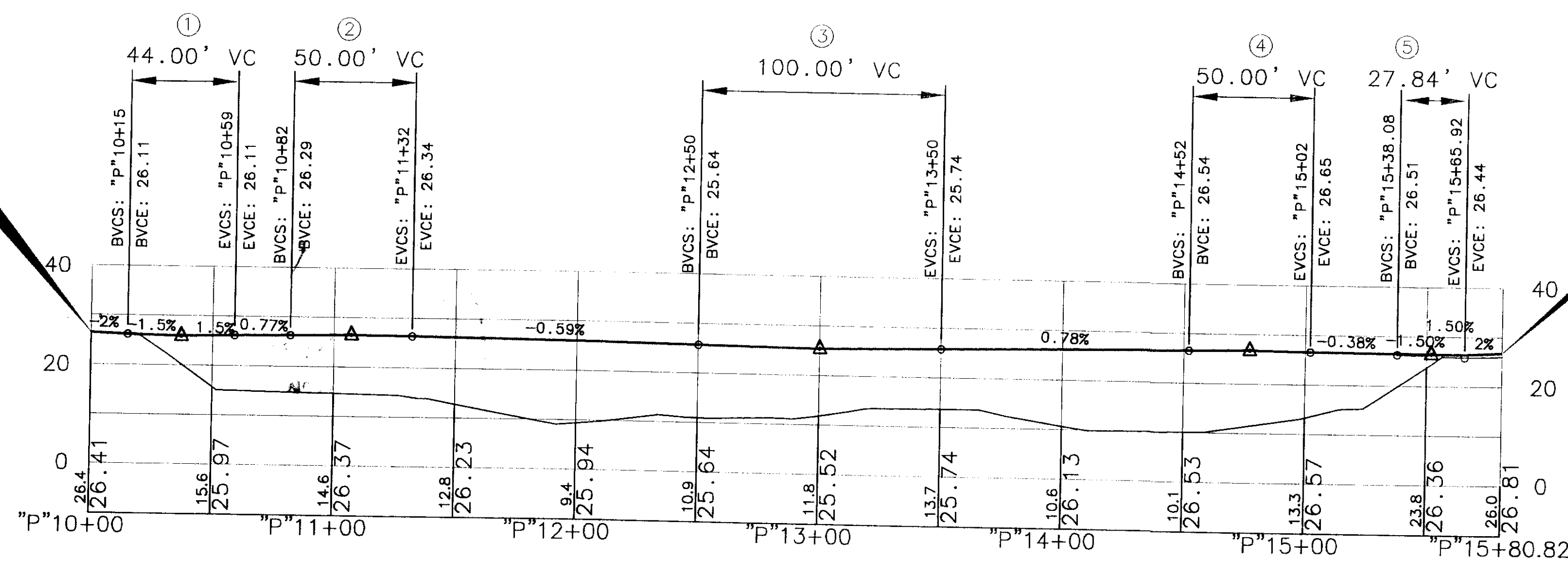
UNCLASSIFIED EXCAVATION 650cy
INCLUDES WASTE 50cy
EMBANKMENT 33,700cy

HORIZONTAL CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TANGENT
A	222°55'30"	45.50	169.25	110.64
B	41°55'42"	38.50	28.17	14.75

VERTICAL CURVE TABLE		
CURVE	PVI "P" STA.	PVI ELEV.
①	10+37	25.78
②	11+07	26.48
③	13+00	25.35
④	14+77	26.74
⑤	15+52	26.30

BEGIN STATION
"P"10+00 =
"S"18+73.47
El. 26.41

END STATION
"P"15+80.92 =
"S"18+07.44
El. 26.81



PATH: Q:\SGY\71835\PLANSE1\--ParkingL
PLOT: Q:\-LIB\--PLOT\PLOT.FPCP(40) OR PLOT.FPCP(80)

BY: DATE: DESCRIPTION OF CHANGE:
RECORD OF REVISIONS

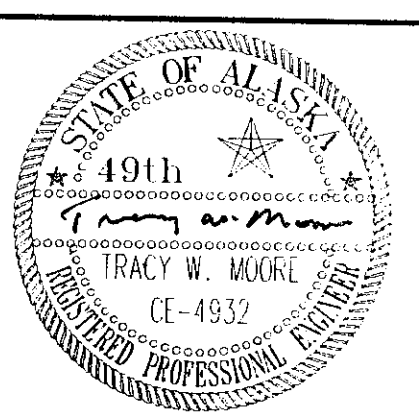
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

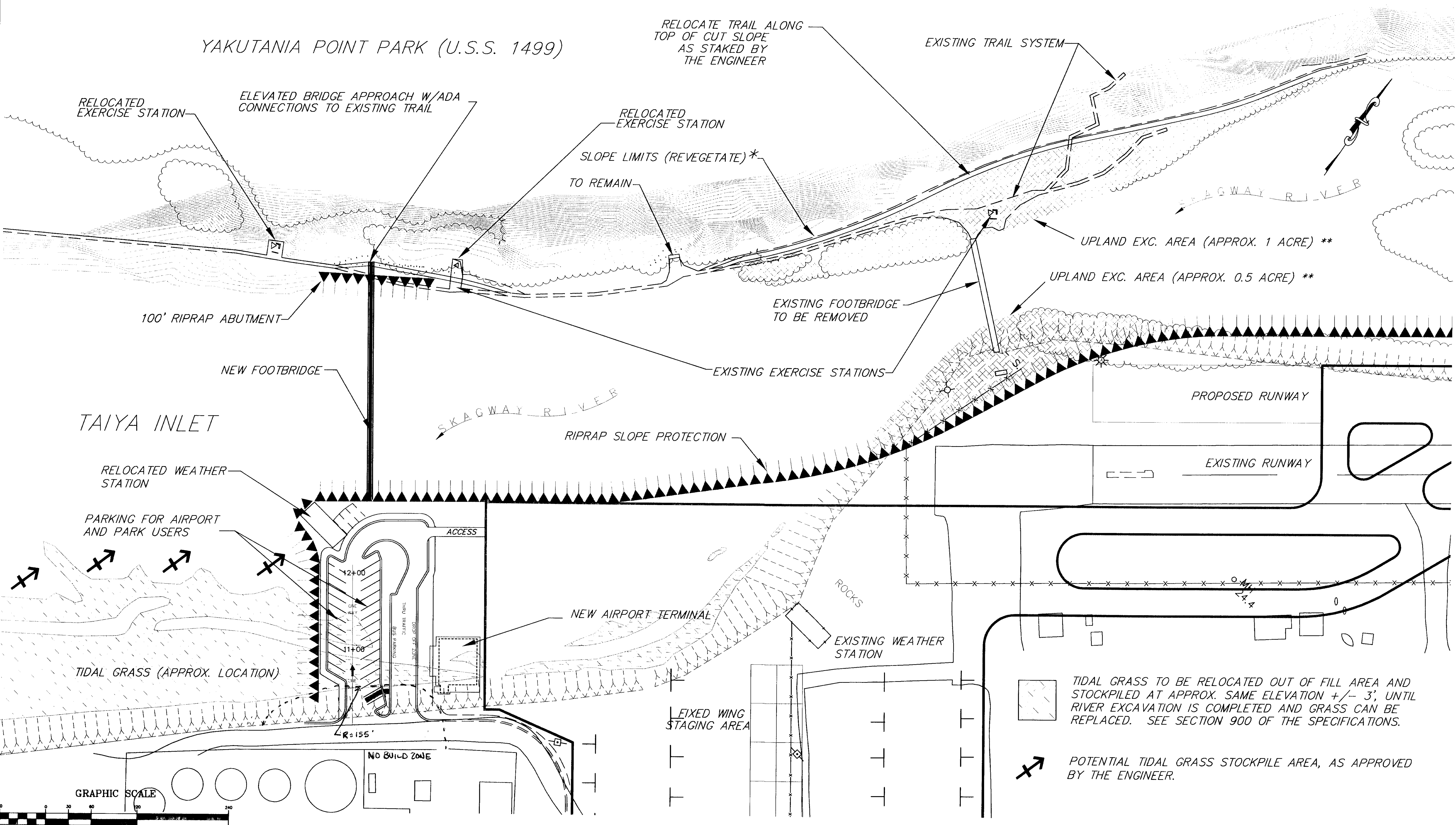
PARKING LOT PLAN & PROFILE

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ALASKA
DESIGNED BY: P. JONES
DRAWN BY: K. KLEMMETSON
CHECKED BY: P. BEDNARWICZ
PROJECT NO. 71835
DATE: 1998
SHEET F11 OF 100



NOTES:
* REVEGETATE ALL NON-ROCK SLOPES (APPROX 0.3 ACRES)
** SEE SHEET F1 FOR BORROW EXCAVATION DETAILS



TIDAL GRASS TO BE RELOCATED OUT OF FILL AREA AND STOCKPILED AT APPROX. SAME ELEVATION +/- 3', UNTIL RIVER EXCAVATION IS COMPLETED AND GRASS CAN BE REPLACED. SEE SECTION 900 OF THE SPECIFICATIONS.

POTENTIAL TIDAL GRASS STOCKPILE AREA, AS APPROVED BY THE ENGINEER.

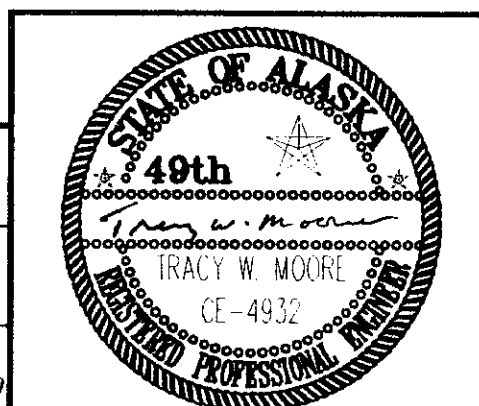
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGE

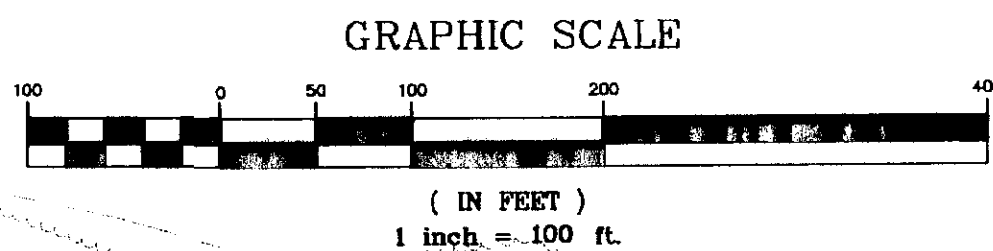
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 PROJECT NO. 71835
ALASKA
YAKUTANIA POINT PARK PLAN

DESIGNED BY: C. HAKARI	PROJECT NO. 71835
DRAWN BY: C. HAKARI	DATE: 1998
CHECKED BY: T. MOORE	SHEET F12 OF 100

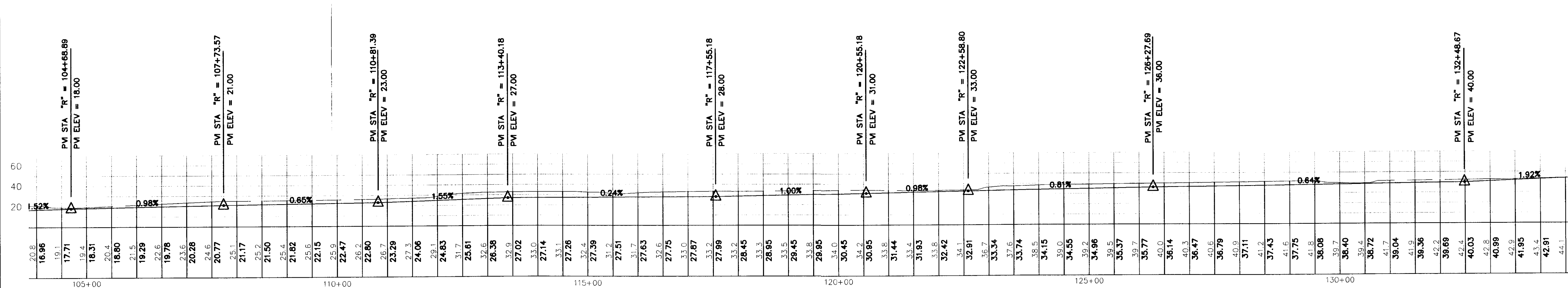
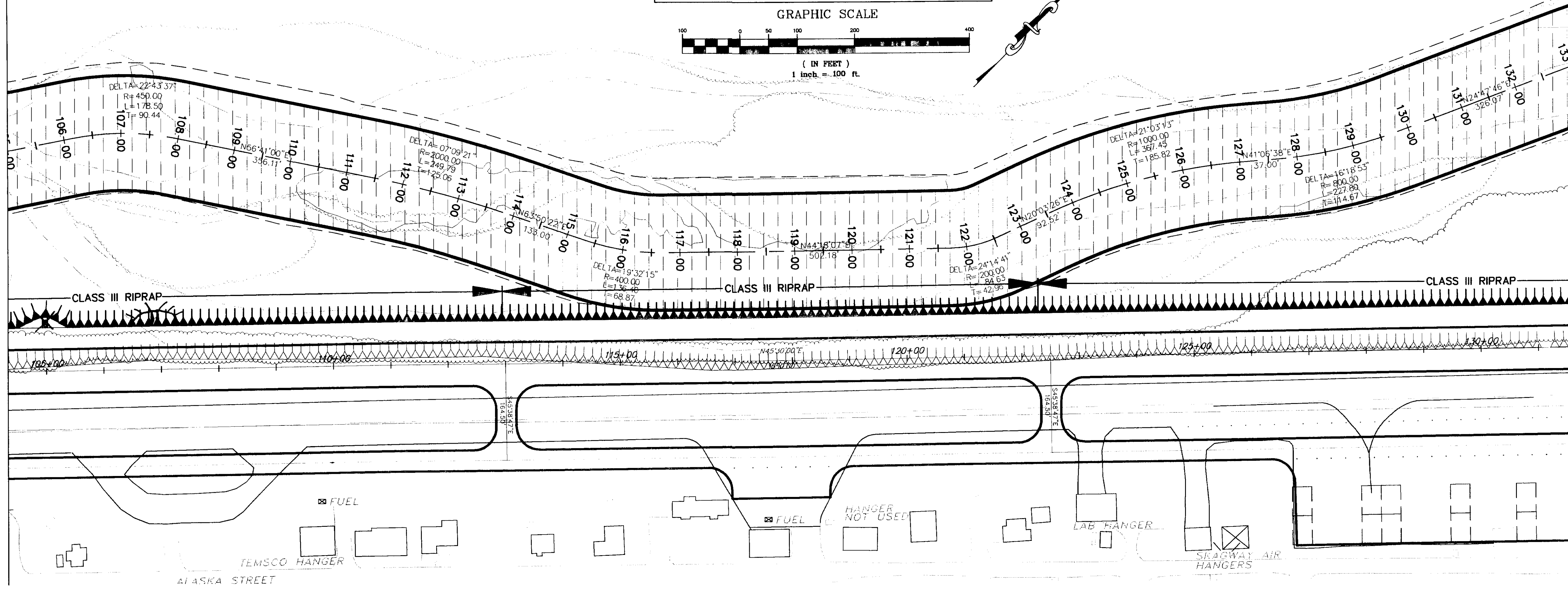


RIVER EXCAVATION THIS SHEET
80,100 cy. INCLUDES 400 cy. WASTE



MATCH LINE--SEE SHEET F-1

MATCH LINE--SEE SHEET F-3

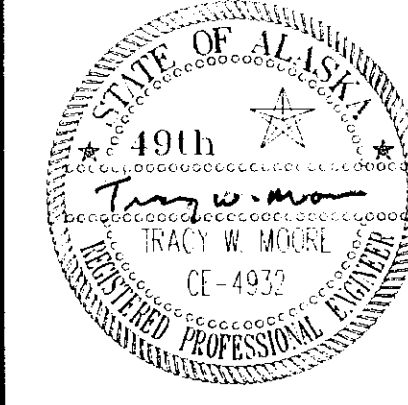


PATH: Q:\SGY\71835\PLANSET\RiverExc.VIEWS\TITLE2,PROFILE2,PLAN2, ELEV		
SCRIPT: HP5000a		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

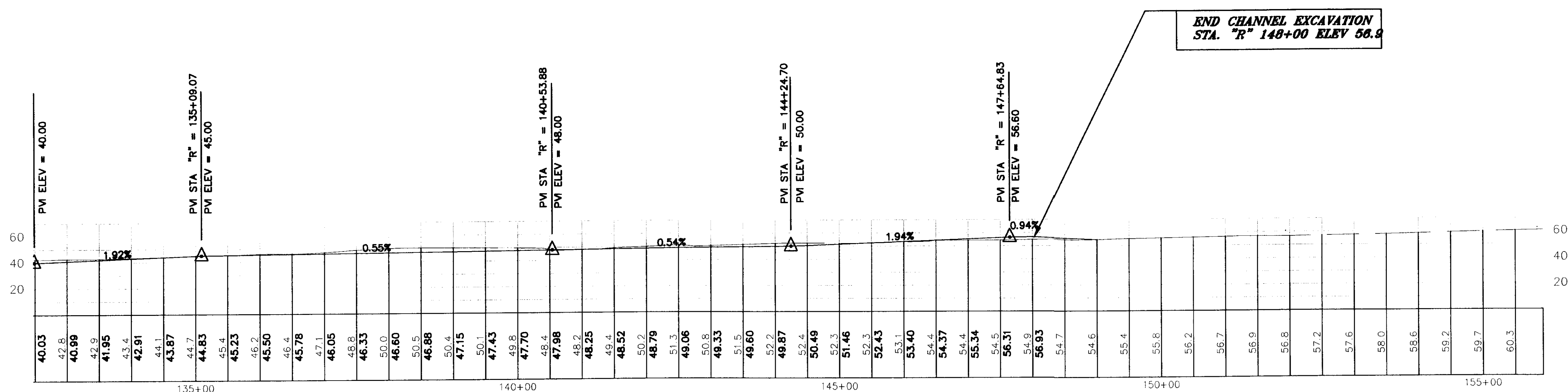
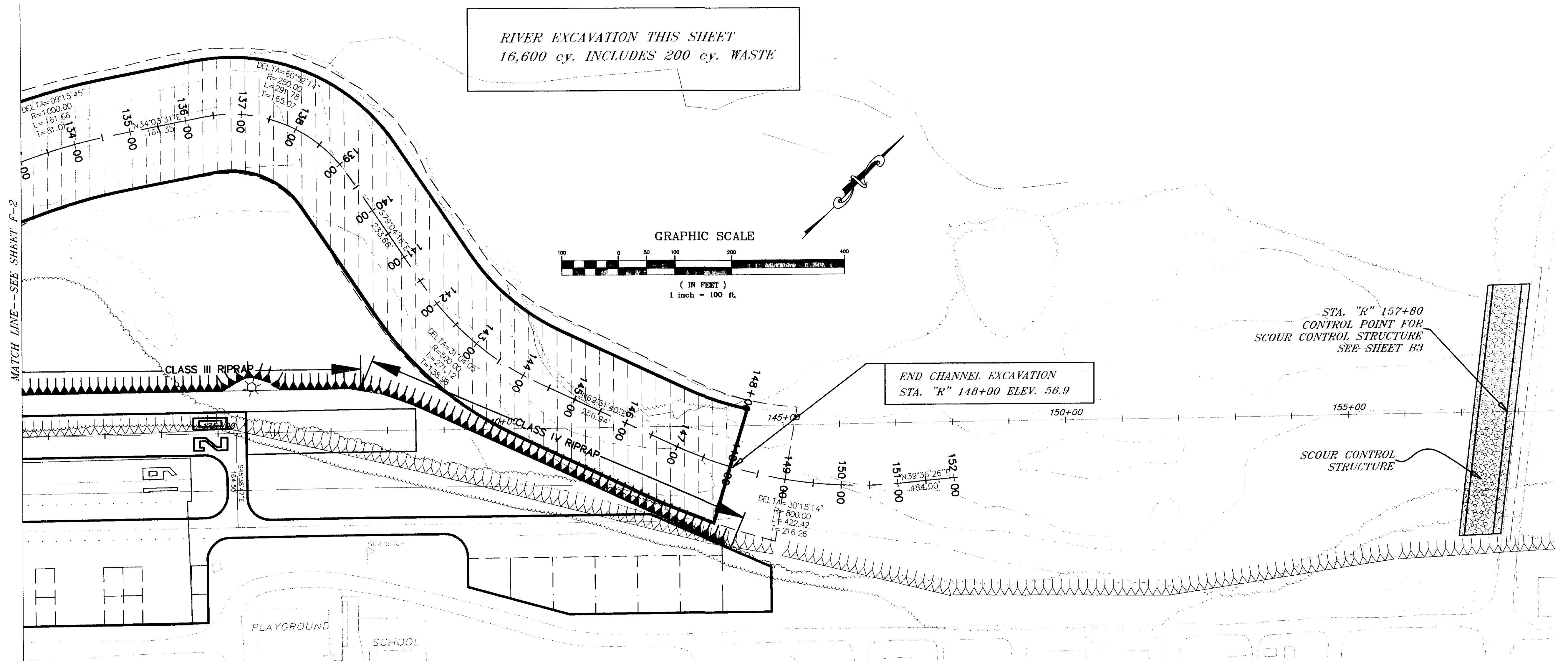
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
SKAGWAY AIRPORT IMPROVEMENT
FED. NO. 3-02-0270-0399 PROJECT NO. 71835
RIVER EXCAVATION PLAN
PLAN AND PROFILE
STA. 105+00 TO STA. 130+00

NOTE: DO NOT SCALE FROM THESE PLANS--USE DIMENSIONS			
DESIGNED BY:	Pete Bednarowicz	PROJECT NO.	71835
DRAWN BY:	L. ROBERTSON	DATE:	1998
CHECKED BY:	T. MOORE	SHEET	F2 OF 100



RIVER EXCAVATION THIS SHEET
16,600 cy. INCLUDES 200 cy. WASTE



PATH: Q:\SGY\71835\PLANSET\RiverExc VIEWS: TITLE3, PROFILE3, PLAN3, ELEV		
SCRIPT: HP3000a		
BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

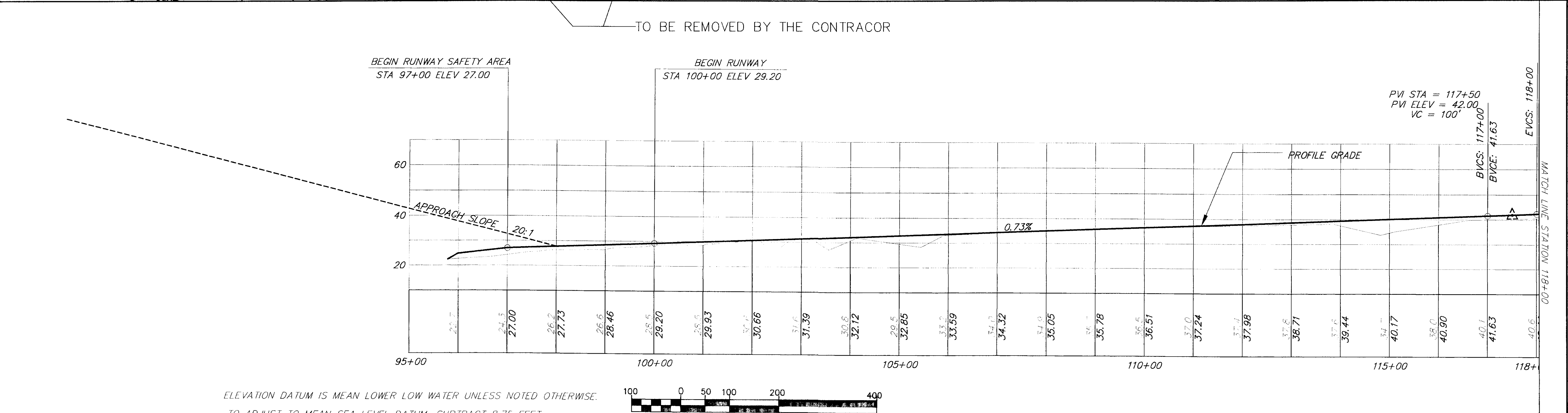
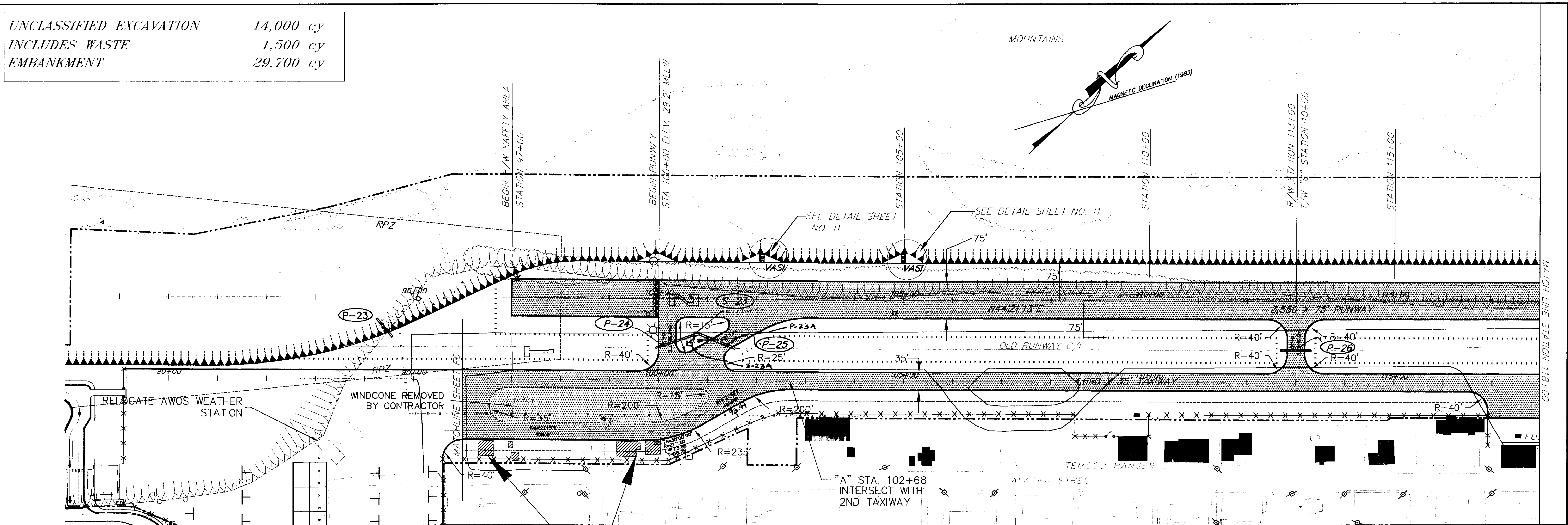
SKAGWAY
SKAGWAY AIRPORT IMPROVEMENT
FED. NO. 3-02-0270-0399 PROJECT NO. 71835
RIVER EXCAVATION PLAN
PLAN AND PROFILE
STA. 130+00 TO STA. 155+00

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

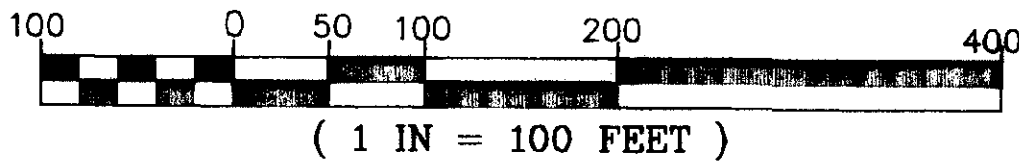
ALASKA	DESIGNED BY: Pete Bednarowicz	PROJECT NO. 71835
	DRAWN BY: L. ROBERTSON	DATE: 1998
	CHECKED BY: T. MOORE	SHEET F3 OF 100



UNCLASSIFIED EXCAVATION	14,000 cy
INCLUDES WASTE	1,500 cy
EMBANKMENT	29,700 cy



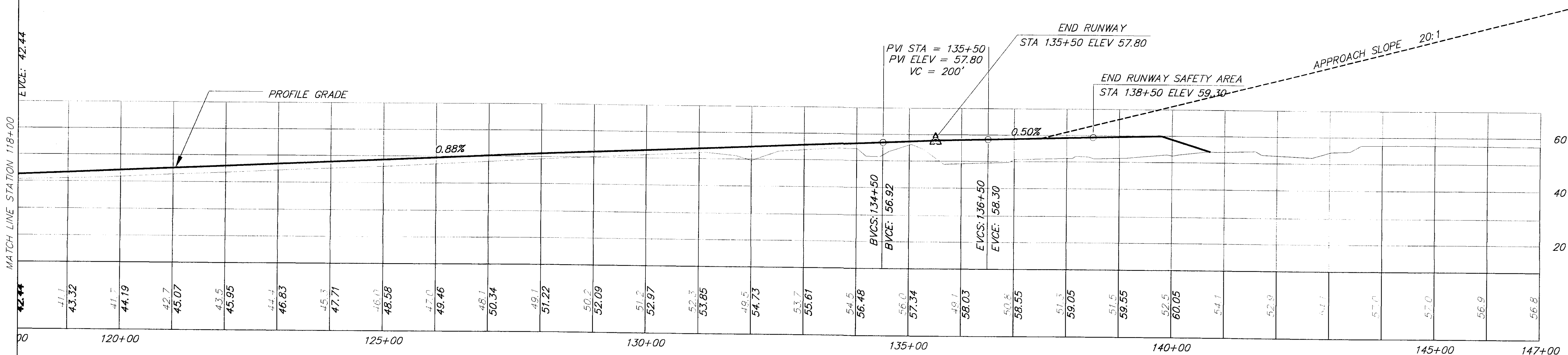
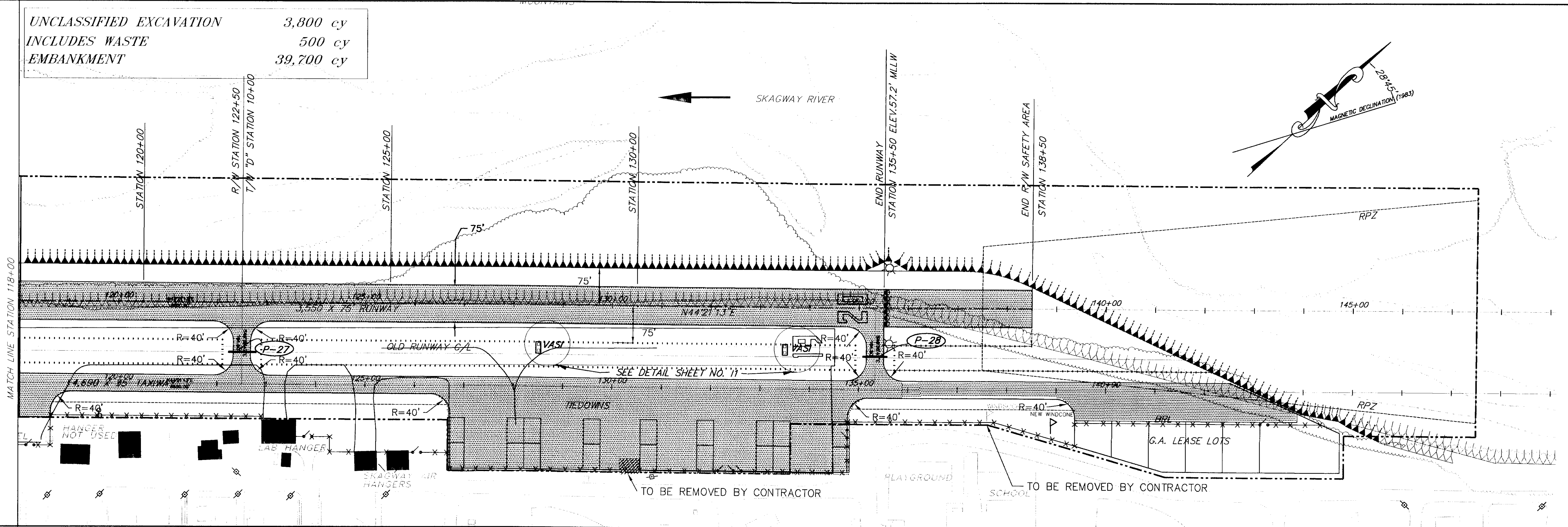
ELEVATION DATUM IS MEAN LOWER LOW WATER UNLESS NOTED OTHERWISE.
TO ADJUST TO MEAN SEA LEVEL DATUM, SUBTRACT 8.75 FEET.



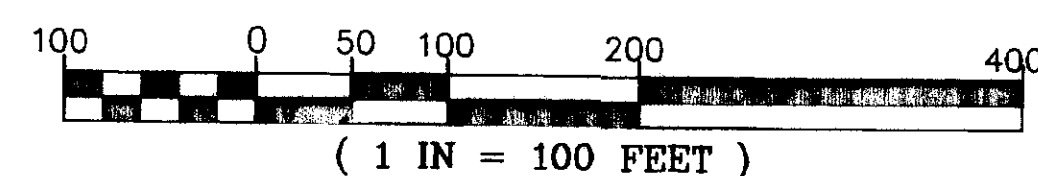
PATH: Q:\SGY\71835\PLANSET\--RUNPP2 PLOT: Q:\-LIB\--PLOT\PLT.PCP(100) OR PLOT.PCP(200) BY: DATE: DESCRIPTION OF CHANGE:			STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION		SKAGWAY SKAGWAY AIRPORT IMPROVEMENTS ALASKA FED. NO. 3-02-0270-0399 PROJECT NO. 71835		DESIGNED BY: P. JONES	PROJECT NO. 71835
RECORD OF REVISIONS			RUNWAY 2-20 PLAN & PROFILE		NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS		DRAWN BY: K. KLEMMETSON	DATE: 1998
							CHECKED BY: T. MOORE	SHEET F4 OF 100



UNCLASSIFIED EXCAVATION 3,800 cy
INCLUDES WASTE 500 cy
EMBANKMENT 39,700 cy



ELEVATION DATUM IS MEAN LOWER LOW WATER UNLESS NOTED OTHERWISE.
TO ADJUST TO MEAN SEA LEVEL DATUM, SUBTRACT 8.75 FEET.



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\SGY\71835\PLANSET\--RUNPP2		
PLOT: Q:\-LIB\--PLOT\PLT.PCP(100) OR PLOT.PCP(200)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

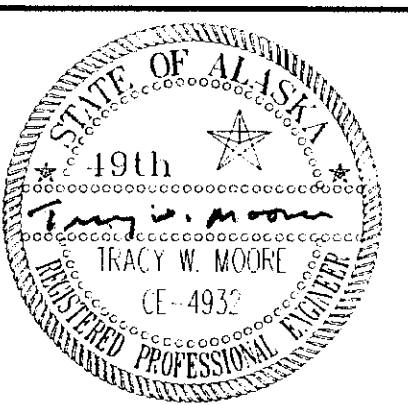
SKAGWAY

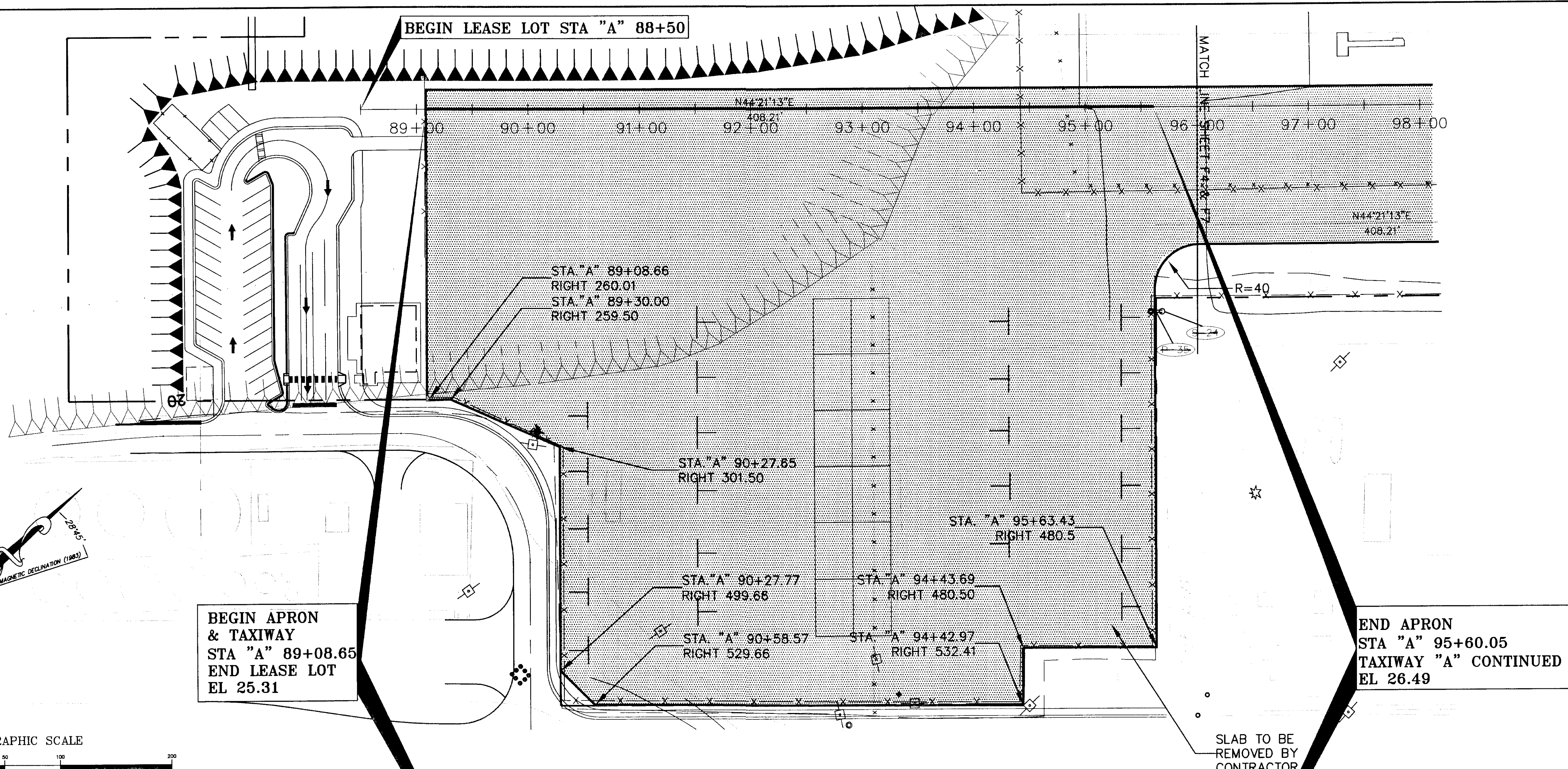
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

RUNWAY 2-20 PLAN & PROFILE

DESIGNED BY:	PROJECT NO.
P. JONES	71835
DRAWN BY:	DATE:
K. KLEMMETSON	1998
CHECKED BY:	SHEET F5 OF 100
T. MOORE	

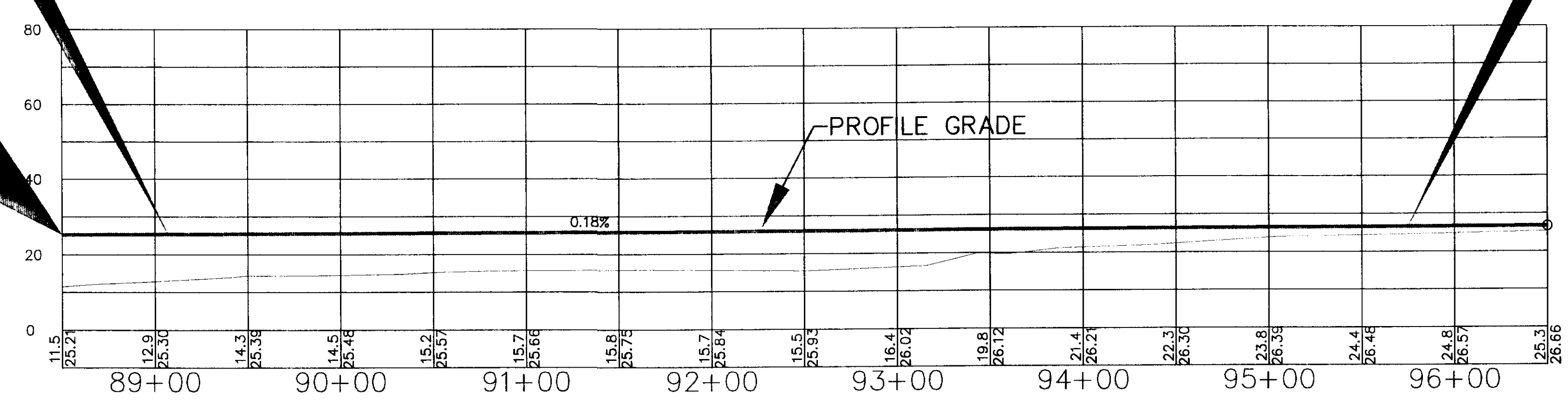


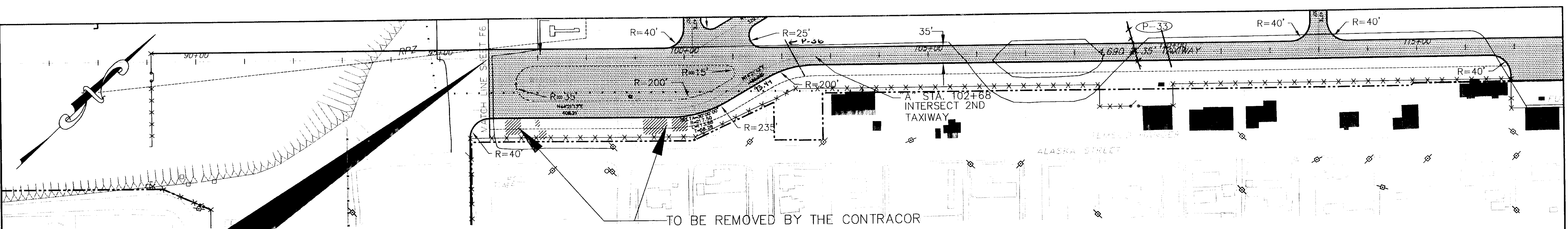


BEGIN APRON
& TAXIWAY
STA "A" 89+08.65
END LEASE LOT
EL 25.31

END APRON
STA "A" 95+60.05
TAXIWAY "A" CONTINUED
EL 26.49

BEGIN LEASE LOT
STA "A" 88+50
EL 25.21



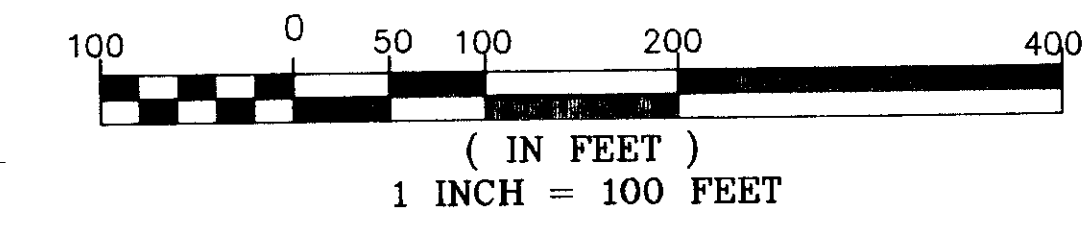


T/W "A" STA. 95+60.65
END OF APRON
T/W "A" (CONTINUED)
ELEV. 26.49

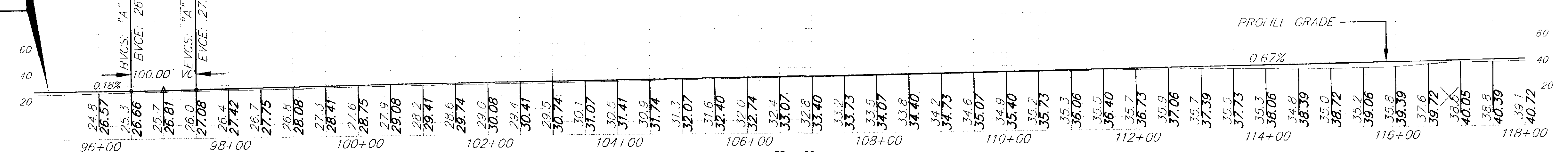
PVI STA = 97+00
PVI ELEV = 26.75
A.D. = 0.48
K = 206.69
BVC: "A" 96+50
EVC: 26.66
V.C. 100.00'
EVC: "A" 97+50
EVC: 27.08

TAXIWAY "A" PLAN

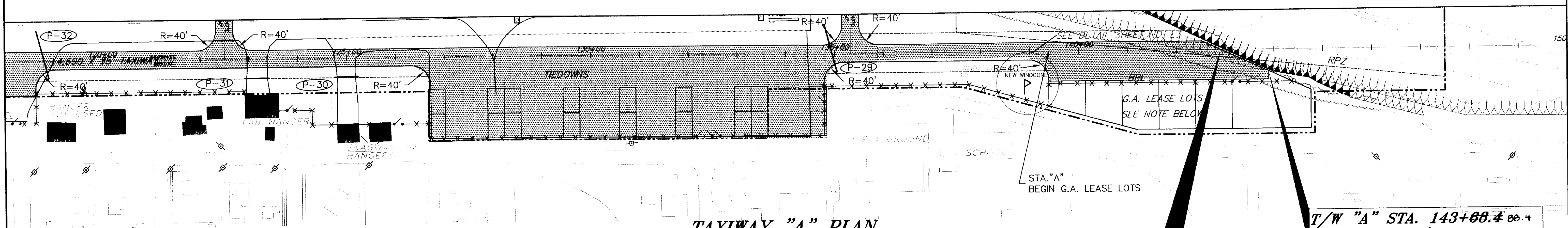
NOTE: SEE APRON PLAN & PROFILE FOR BEGINNING OF TAXIWAY "A" PLAN & PROFILE



EXCAVATION	8,000
INCLUDES WASTE	2,000
EMBANKMENT	5,600



TAXIWAY "A" PROFILE



EXCAVATION	5,600
INCLUDES WASTE	2,000
EMBANKMENT	5,800

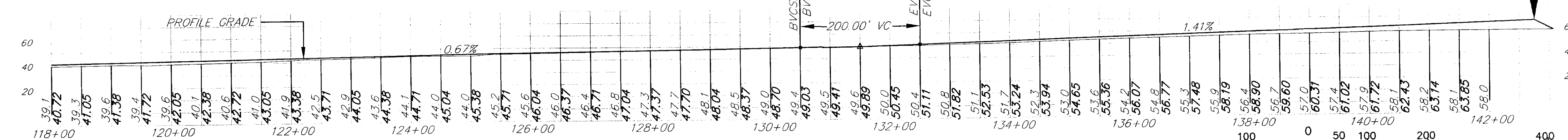
TAXIWAY "A" PLAN

PVI STA = 131+50
PVI ELEV = 49.70
A.D. = 0.75
K = 266.87
BVC: "A" 130+50
EVC: 49.03
V.C. 200.00'
EVC: "A" 132+50
EVC: 51.11

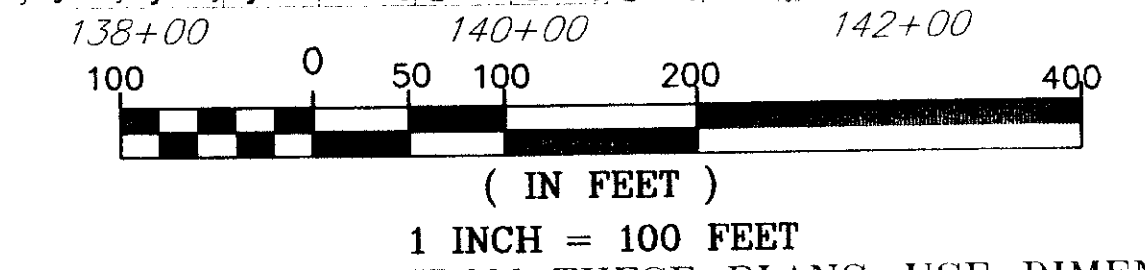
NOTE:
G.A. LEASE LOT AREA MAY BE USED
FOR STORAGE OF TOPSOIL MATERIAL

T/W "A" STA. 142+75
END TAXIWAY CENTERLINE
EL. 65.87

T/W "A" STA. 143+08.4
45.0' 17.5' RT



TAXIWAY "A" PROFILE



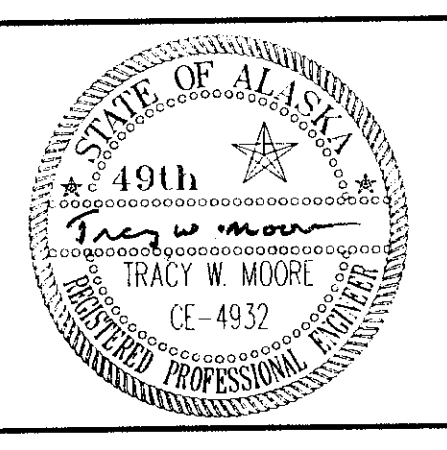
NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

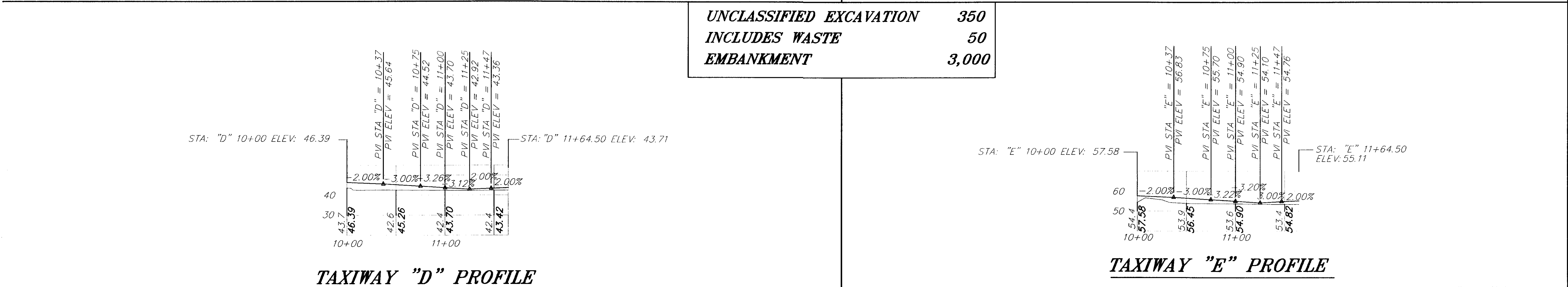
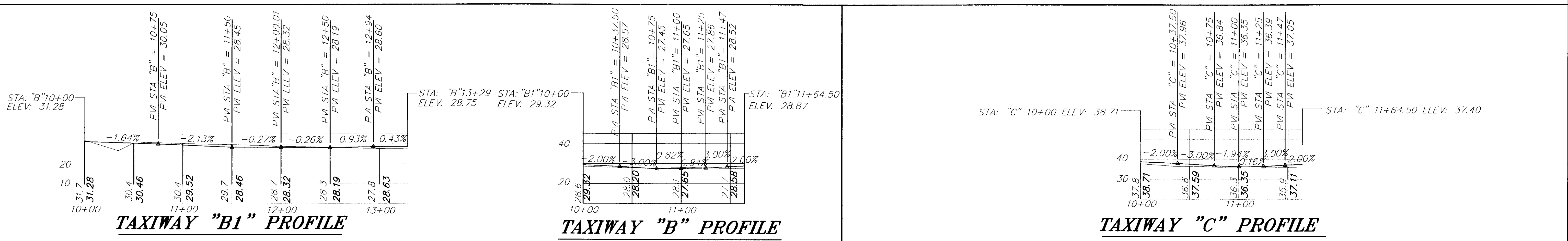
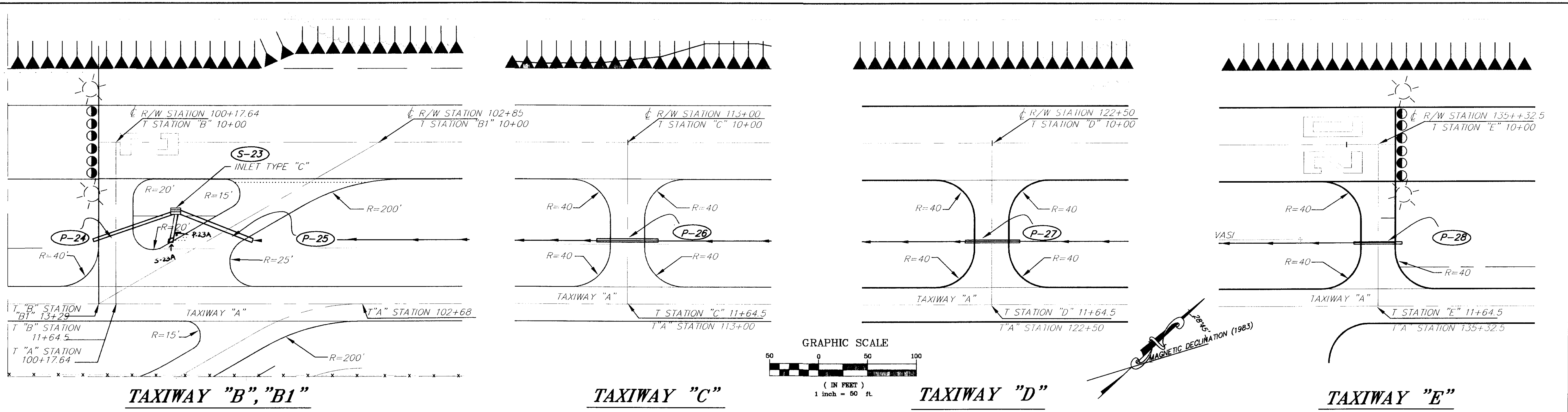
PATH: Q: \SGY\171835\PLANSET\TAXPPIA		
PLOT: Q: \-LIB\ -PLOT\PLOT.PCP(100) OR PLOT.PCP(200)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 PROJECT NO. 71835
TAXIWAY "A" PLAN & PROFILE

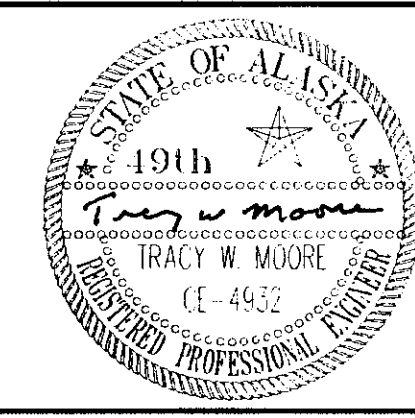
DESIGNED BY:	P. JONES	71835
DRAWN BY:	K. KLEMMETSON	DATE: 1998
CHECKED BY:	T. MOORE	SHEET F7 OF 100





UNCLASSIFIED EXCAVATION	350
INCLUDES WASTE	50
EMBANKMENT	3,000

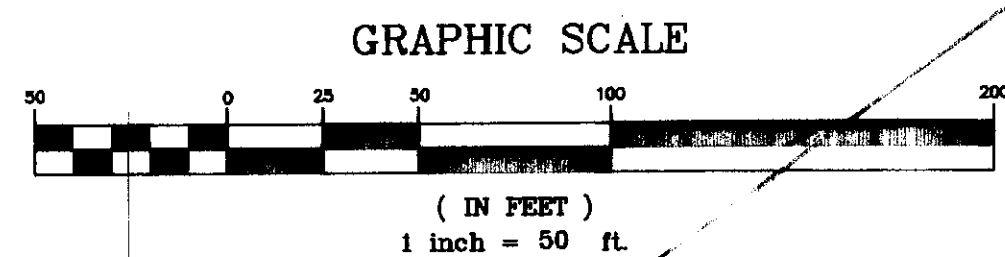
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PLOT: Q:\LIB\ - PLOT\ PLOT.PCP(100) OR PLOT.PCP(200)			DEPARTMENT OF TRANSPORTATION		FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835				P. JONES		71835	
BY:			SOUTHEAST REGION		TAXIWAYS "B" "C" "D" "E" PLAN & PROFILE				DRAWN BY:		DATE:	
RECORD OF REVISIONS									K. KLEMMETSON		1998	
									CHECKED BY:		SHEET F8 OF 100	
									T. MOORE			



BEGIN M-LINE
STATION "M" 10+00

END M-LINE
STATION "M" 18+70.00

UNCLASSIFIED EXCAVATION 90cy
INCLUDES WASTE 10cy
EMBANKMENT 1,900cy

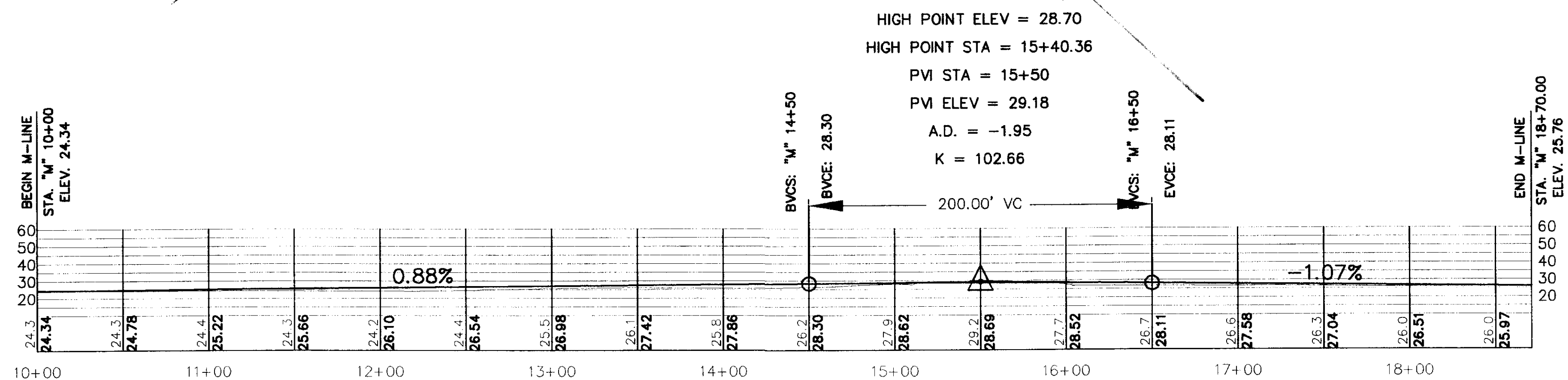


CURVE # 2

M-LINE PI STATION 16+83.04
DELTA = 08° 22' 50"
R = 500.00
L = 73.13
T = 36.63

CURVE # 3

M-LINE PI STATION 18+27.91
DELTA = 08° 21' 11"
R = 500.00
L = 72.89
T = 36.51



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\SGY\71835\PLANSET\Road VIEWS: M STREET		
PLOT: Q:\LIB\LOT\LOT.PCP(100) OR PLOT.PCP(200)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

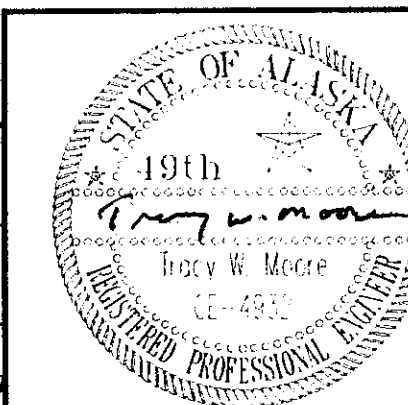
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

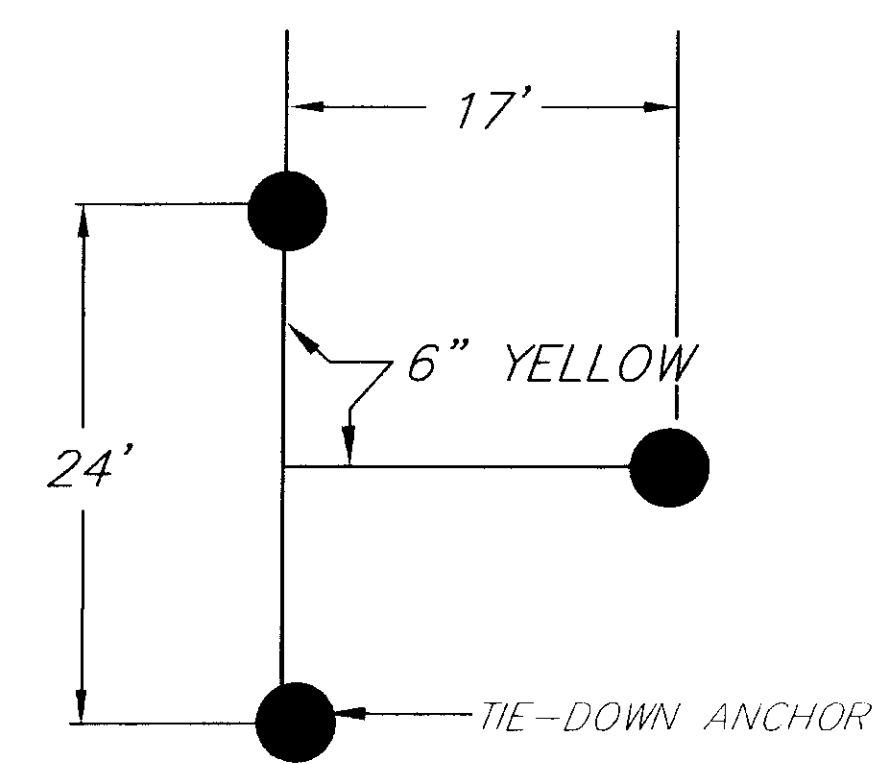
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

MAIN STREET PLAN & PROFILE

ALASKA

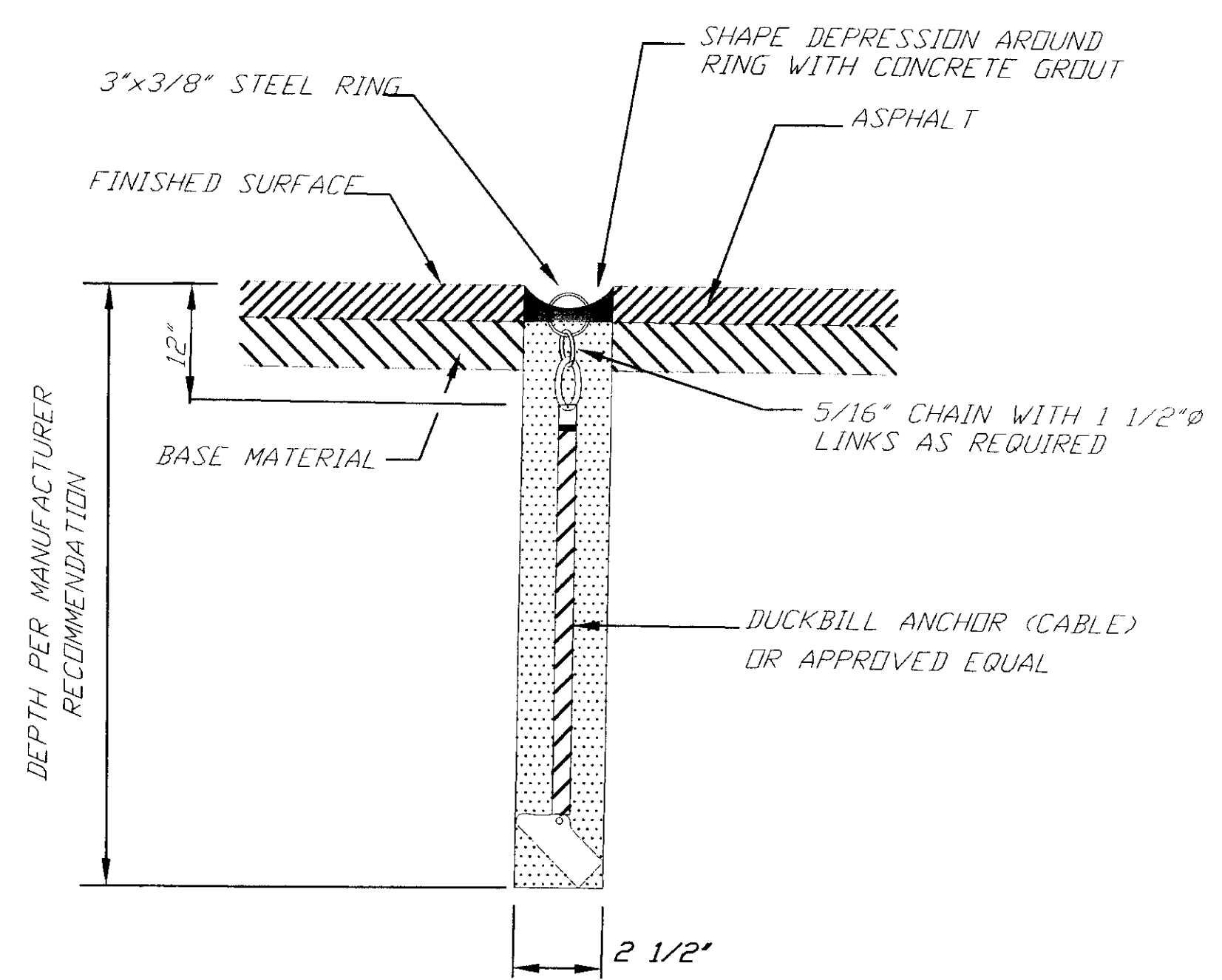
DESIGNED BY: P. JONES	PROJECT NO. 71835
DRAWN BY: K. KLEMMETSON	DATE: 1998
CHECKED BY: T. MOORE	SHEET F9 OF 100





TYPICAL TIE-DOWN

- N.T.S.*



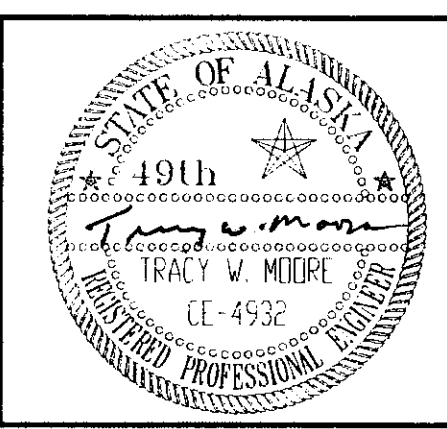
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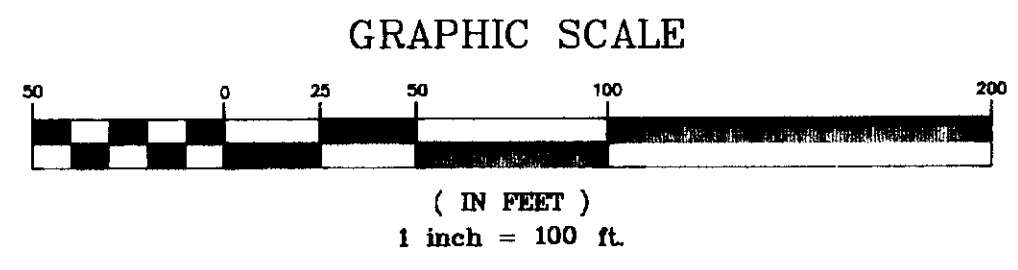
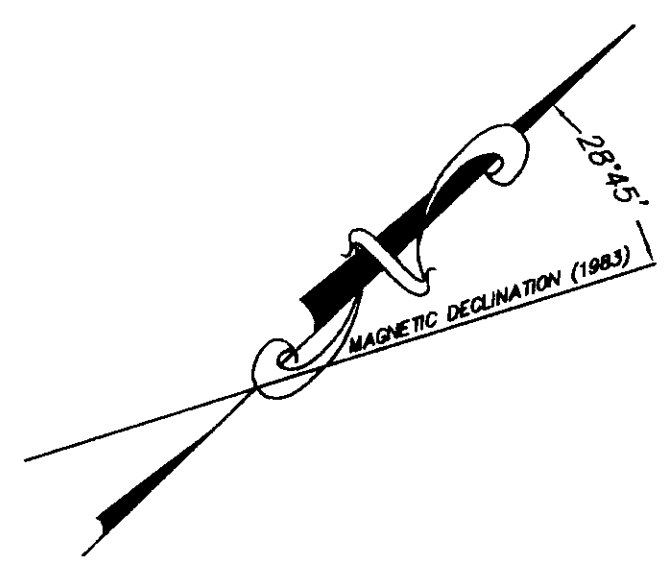
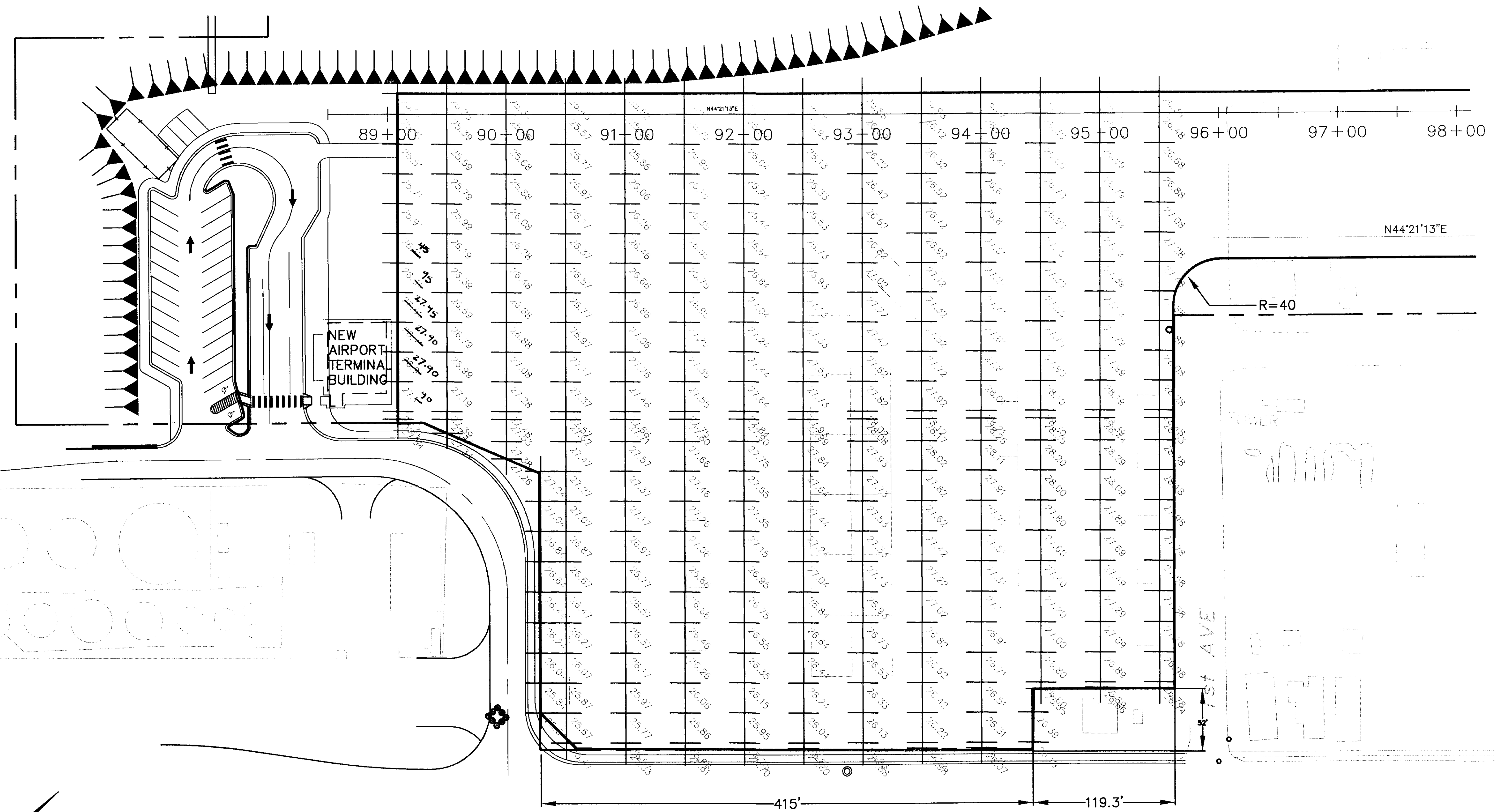
GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.



DESIGNED BY: <i>P.JONES</i>	PROJECT NO. <i>71835</i>
DRAWN BY: <i>P.JONES</i>	DATE: <i>1998</i>
CHECKED BY: <i>T.MOORE</i>	SHEET <i>G1</i> OF <i>100</i>



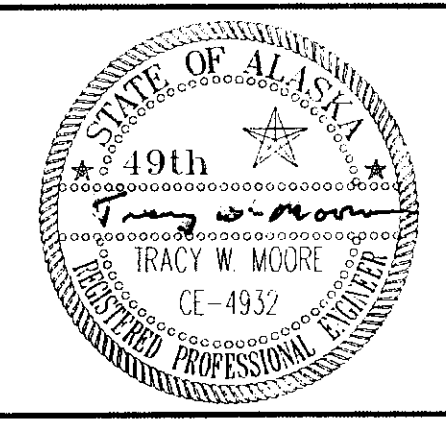


RECORD OF REVISIONS		
DATE	DESCRIPTION OF CHANGE	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 PROJECT NO. 71835
APRON ELEVATIONS

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS	
DESIGNED BY: <i>Pete Bednarowicz</i>	PROJECT NO. 71835
DRAWN BY: <i>Leonard Robertson</i>	DATE: 1998
CHECKED BY: <i>Tracy Moore</i>	SHEET G2 OF 100



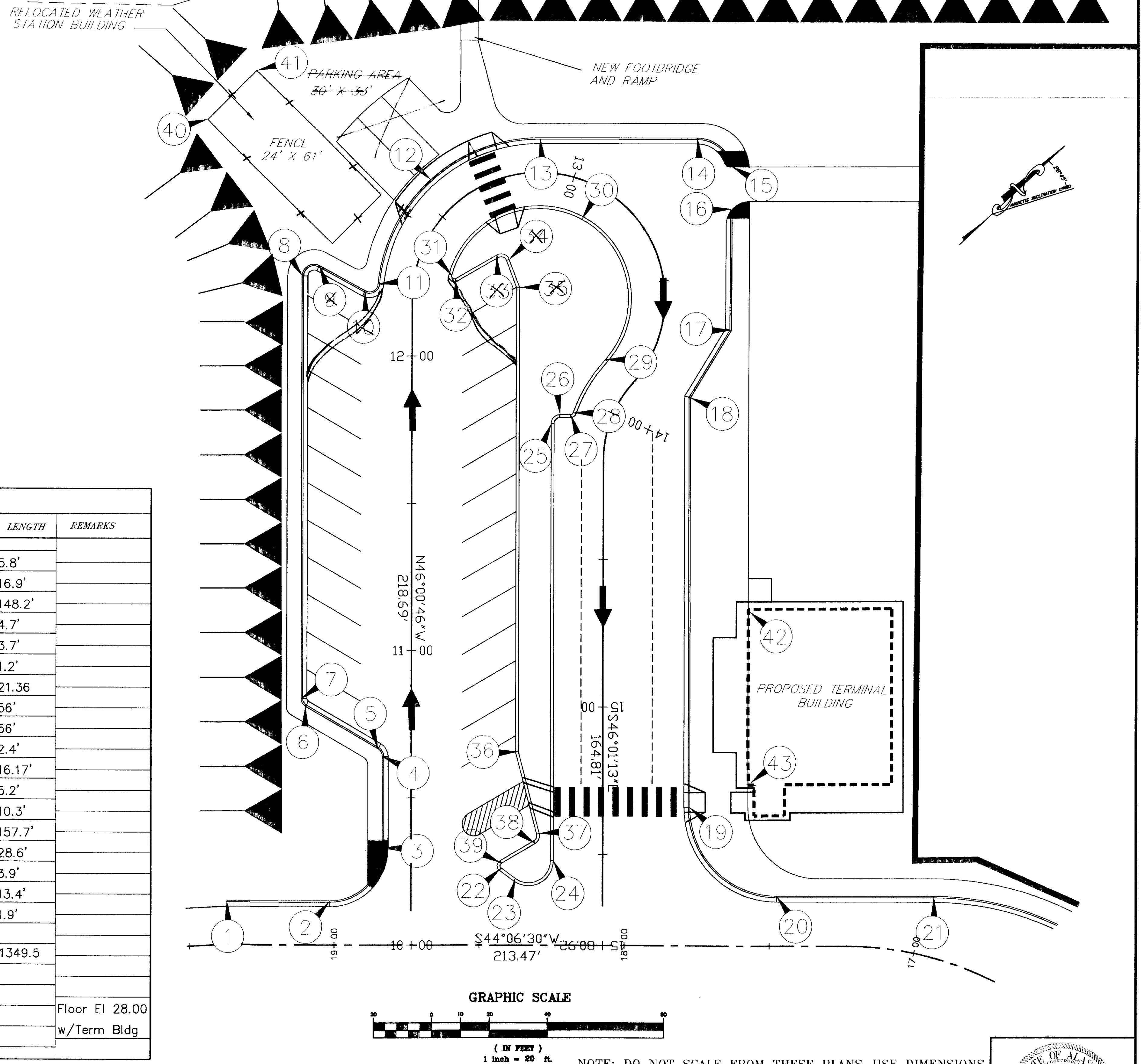
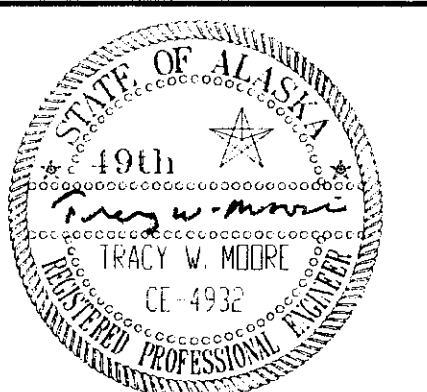
1. OFFSET DISTANCES & ELEVATIONS ARE TO (TOP) BACK OF CURBS.

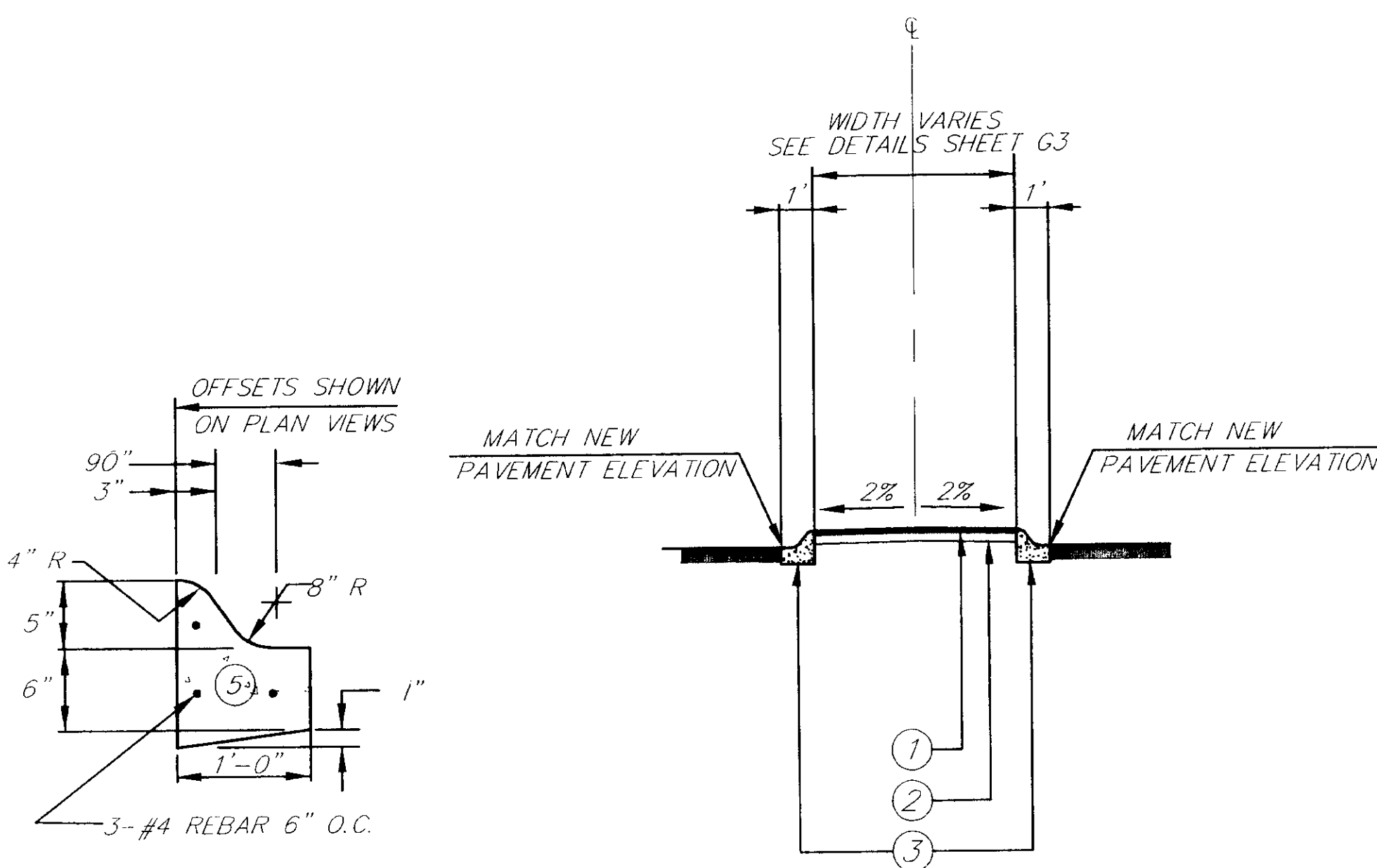
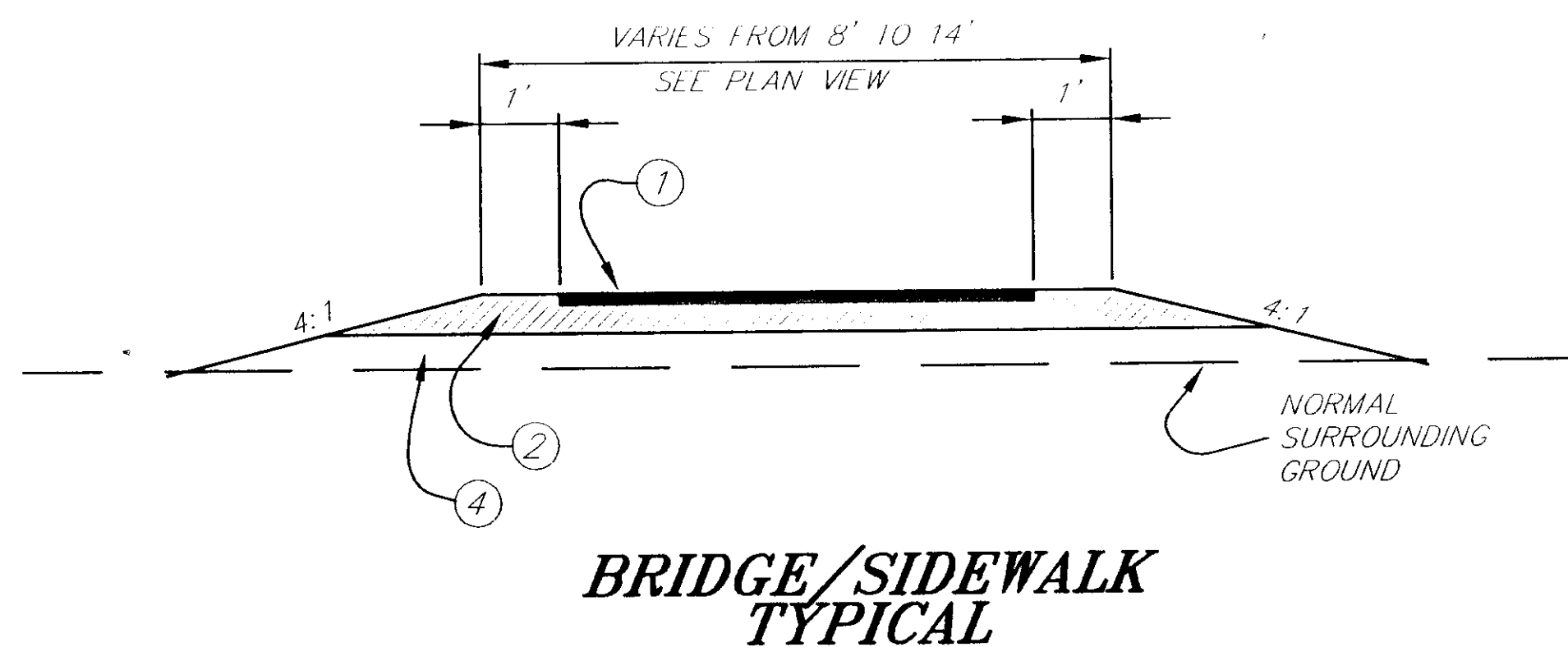
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PLOT: Q: \-LIB\ -PLOT\ PLOT1.PCP(150) OR PLOT1.PCP(300)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

SKAGWAY

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

PROJECT NO.	71835
DATE:	1998
SHEET G3 OF 100	



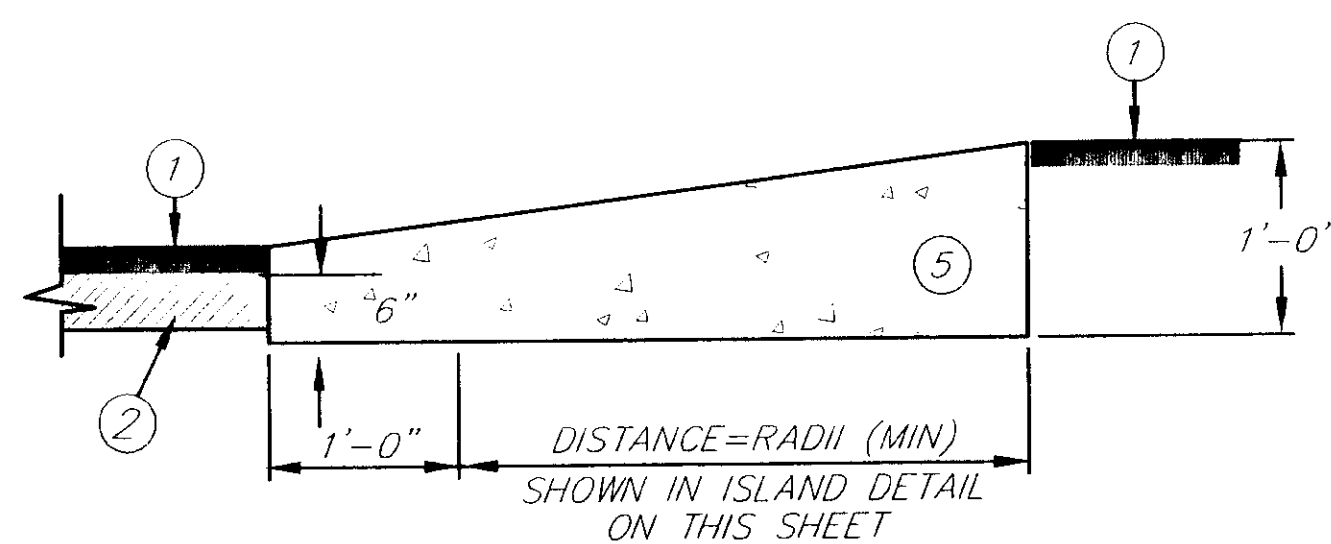


DETAIL C
TYPE C CURB

SECTION A-A

LEGEND

- ① 1.5" ASPHALT PAVEMENT
- ② 6" CRUSHED AGGREGATE BASE COURSE
- ③ CURB AND GUTTER, TYPE "C"
- ④ EMBANKMENT
- ⑤ CONCRETE CEMENT



RELOCATED WEATHER
STATION BUILDING

NEW FOOTBRIDGE

RAMP FROM FOOTBRIDGE
TO SIDEWALK. SEE
BRIDGE/SIDEWALK TYPICAL.

TYPE II WHEELCHAIR RAMP
SEE DETAIL 12

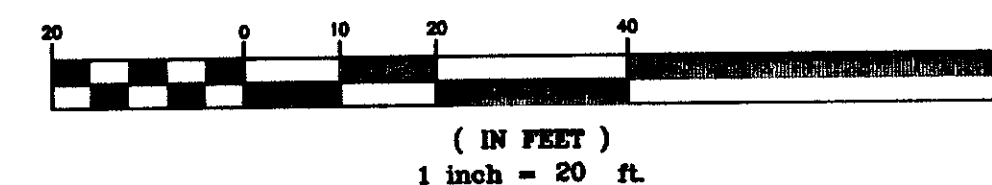
TYPE II WHEELCHAIR RAMP
SEE DETAIL 12

TYPE II WHEELCHAIR RAMP
SEE DETAIL 12

TYPE II WHEELCHAIR RAMP
SEE DETAIL 12

FLOWABLE ENDS

GRAPHIC SCALE



TYPE III WHEELCHAIR RAMP
SEE DETAIL 12

TYPE II WHEELCHAIR RAMP
SEE DETAIL 12

PLOWABLE END

TYPE II WHEELCHAIR RAMP
SEE DETAIL 12

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

PATH:	Q:\SGY\71835\PLANSET\---curb2	
PLOT:	Q:\-LIB\-PLOT\PLT\PCP(10) OR PLOT\PCP(20)	
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

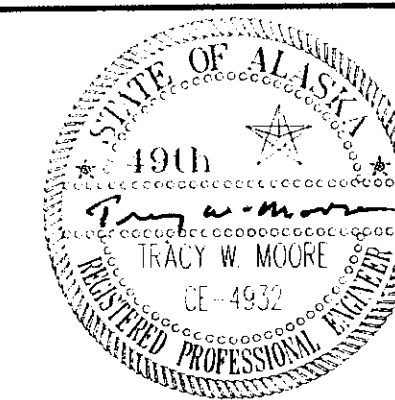
SKAGWAY

SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

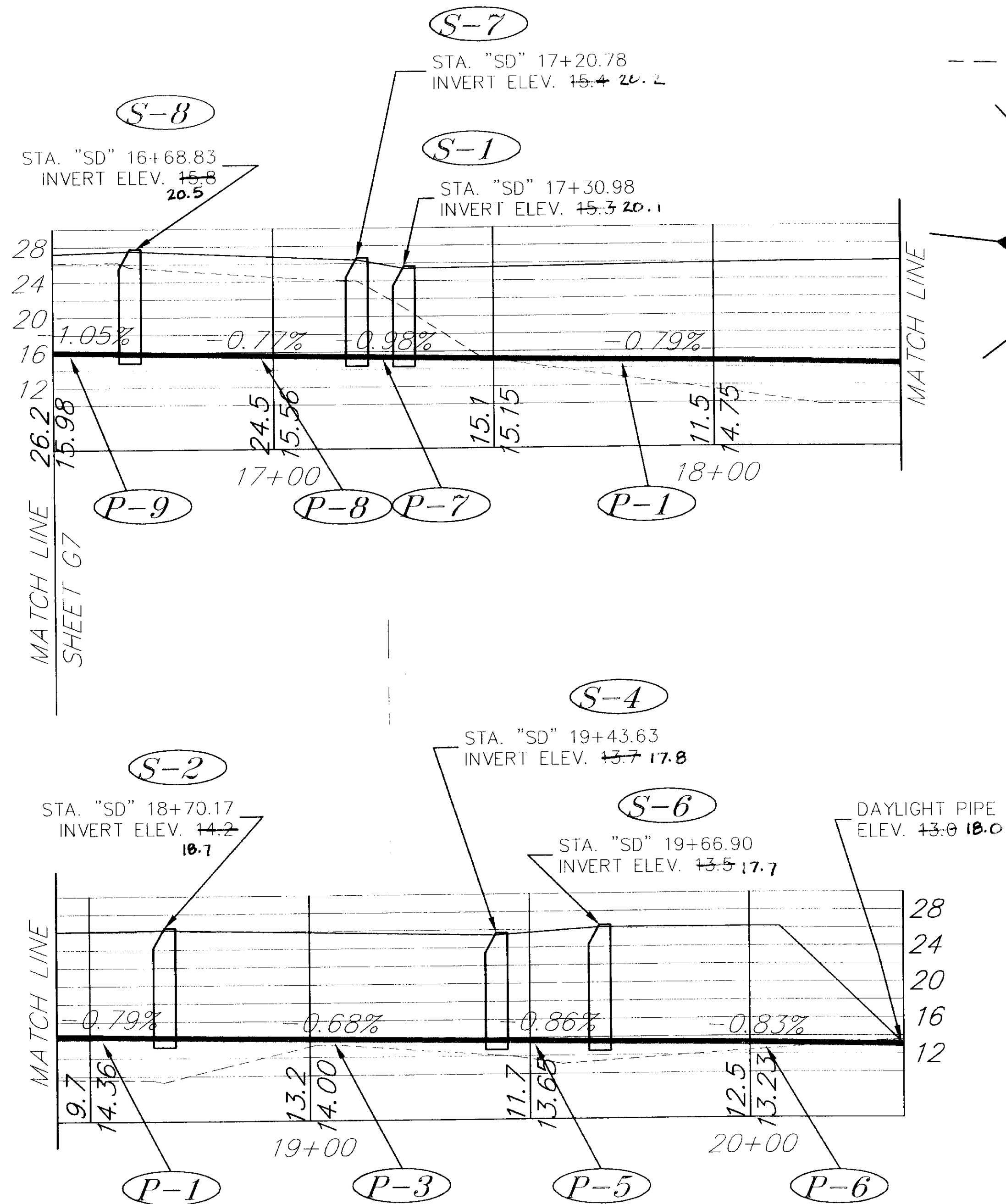
ALASKA

ISLAND/RAMP DETAILS

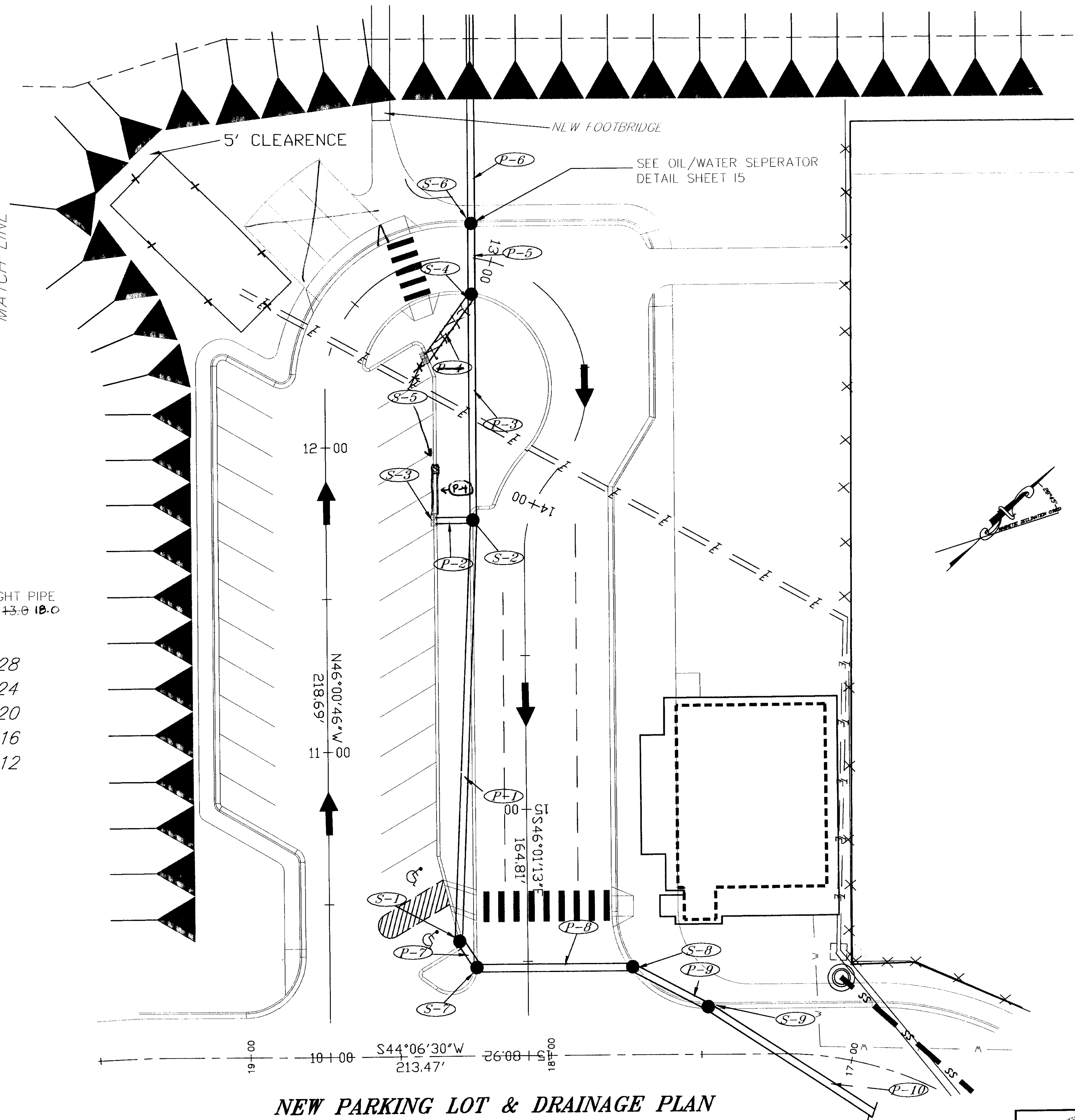
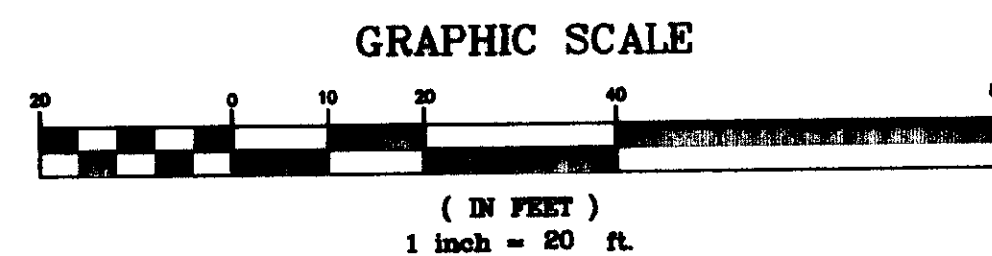
DESIGNED BY:	P. JONES	PROJECT NO.	71835
DRAWN BY:	K. KLEMMETSON	DATE:	1998
CHECKED BY:	P. BEDNARWICZ	SHEET	G4 OF 100



NOTE: ALL STRUCTURES HAVE 1.5' SLOPE.
INVERT ELEVATIONS ARE FOR THE
STRUCTURE NOT THE PIPES.



PARKING LOT DRAINAGE PROFILE



NEW PARKING LOT & DRAINAGE PLAN

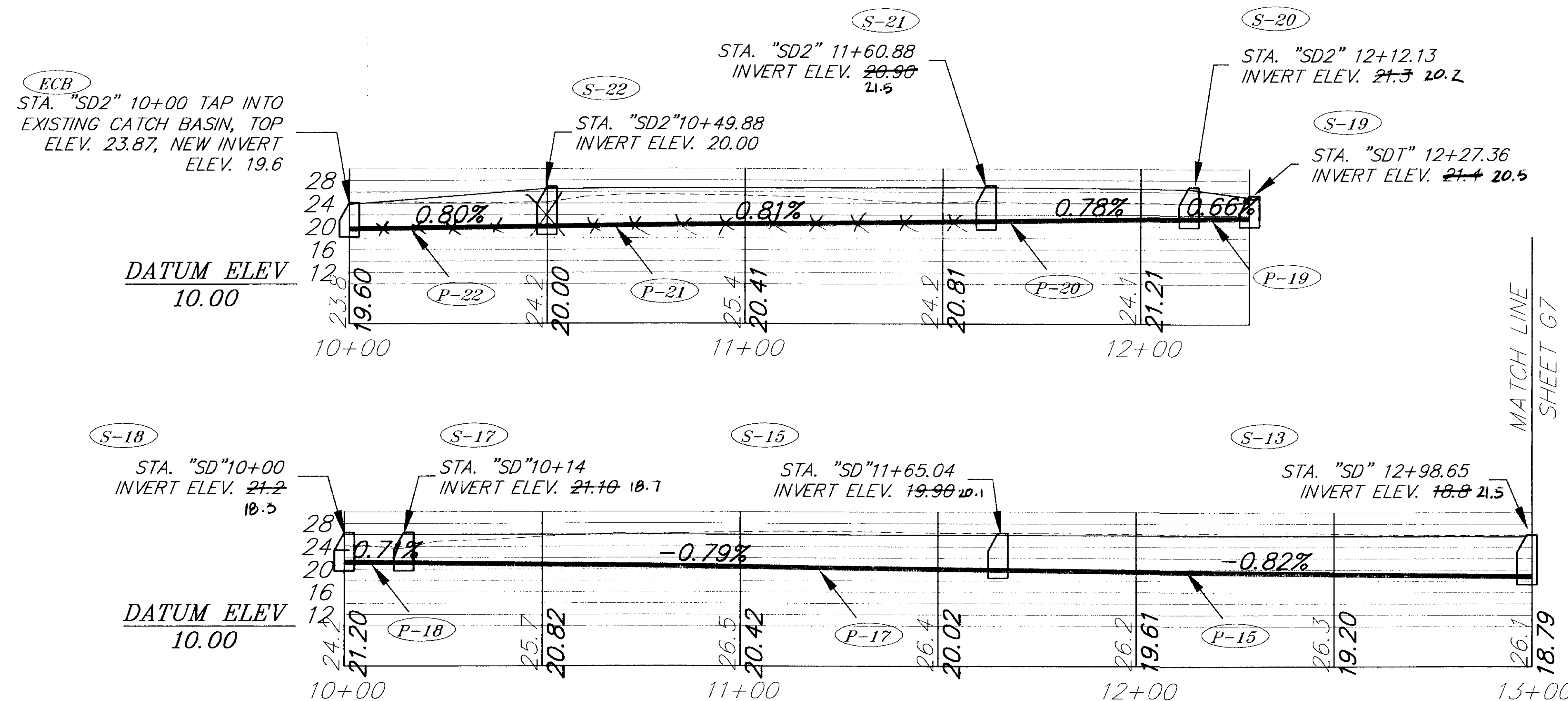
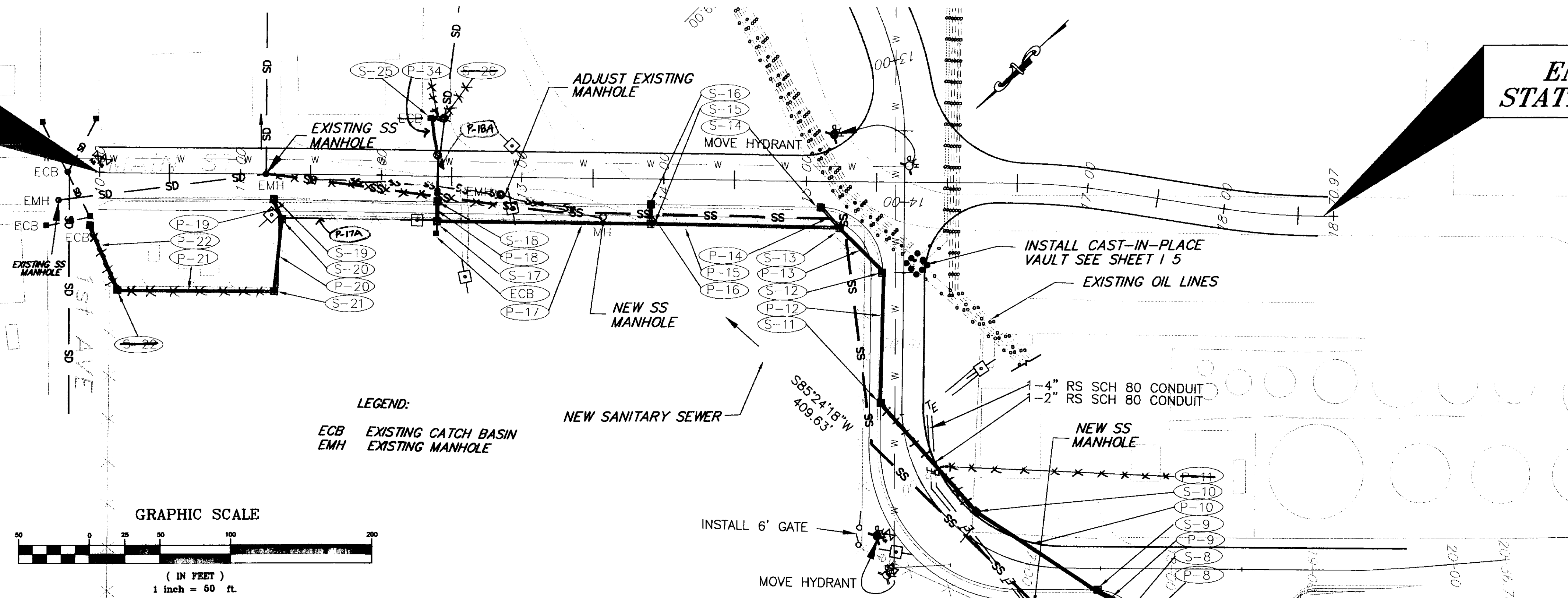
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

Q: \SCY\71835\PLANSET\ -PARK Q: \-LIB\ -PLOT\ PLOT.PCP(150) OR PLOT.PCP(300) DATE: DESCRIPTION OF CHANGE: RECORD OF REVISIONS	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	JUNEAU SKAGWAY AIRPORT IMPROVEMENTS FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835 ALASKA NEW PARKING LOT & DRAINAGE LAYOUT PLAN	DESIGNED BY: P. JONES DRAWN BY: K. KLEMMETSON CHECKED BY: T. MOORE	PROJECT NO. 71835 DATE: 1998 SHEET 65 OF 100



BEGIN M-LINE
STATION 10+00

END M-LINE
STATION 18+70.00



NOTE: INVERTS FOR STRUCTURE NOT PIPE.
ALL STRUCTURE HAVE 1.5' SOUPS.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

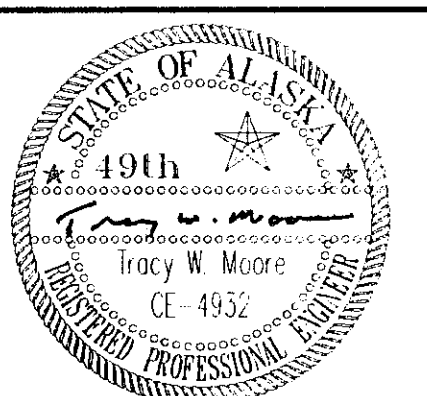
RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

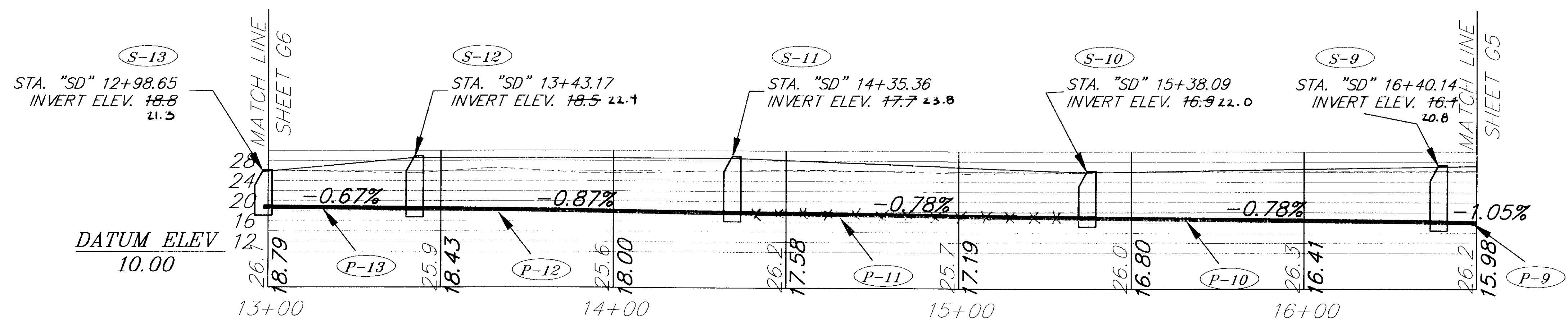
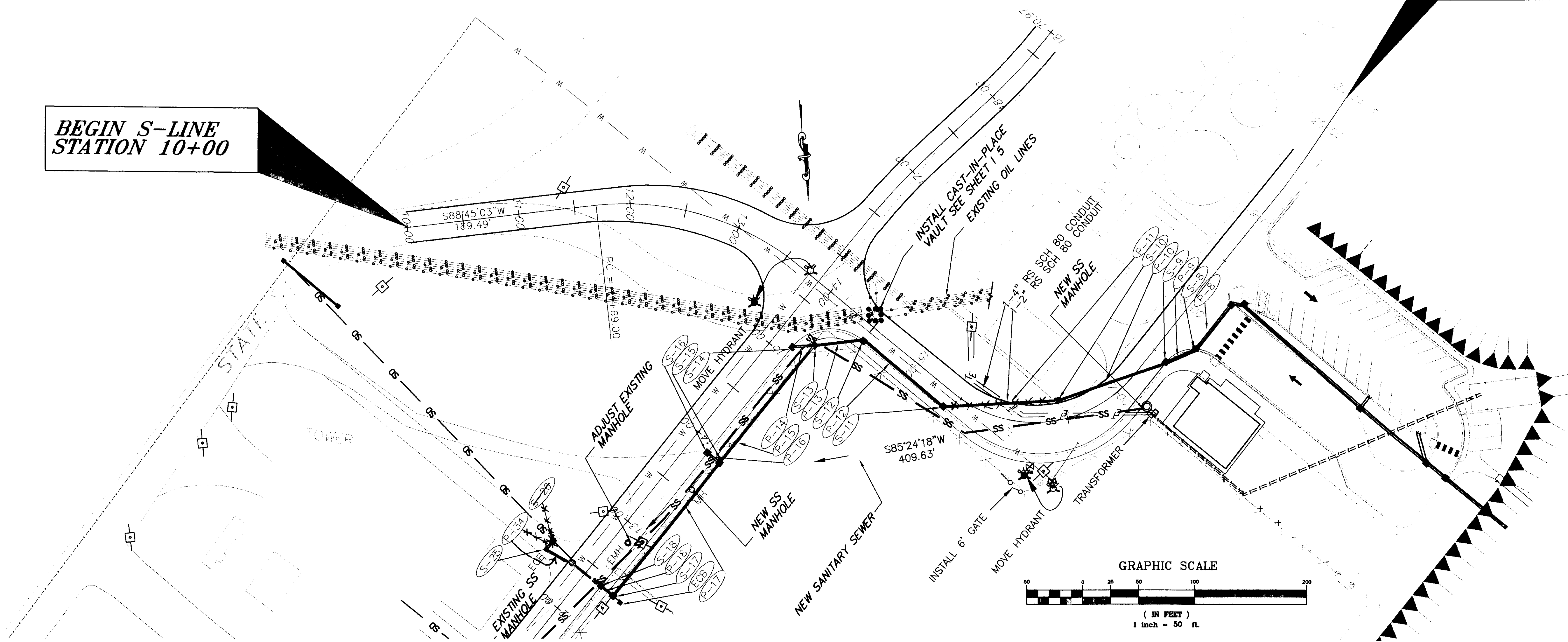
MAIN STREET STORM DRAINAGE

DESIGNED BY: DAN KROMAREK	PROJECT NO. 71835
DRAWN BY: L. ROBERTSON	DATE: 1998
CHECKED BY: T. MOORE	SHEET 66 OF 100



END S-LINE
STATION 20+30.00

BEGIN S-LINE
STATION 10+00

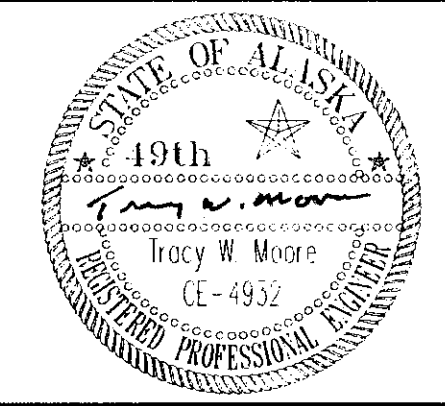


RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

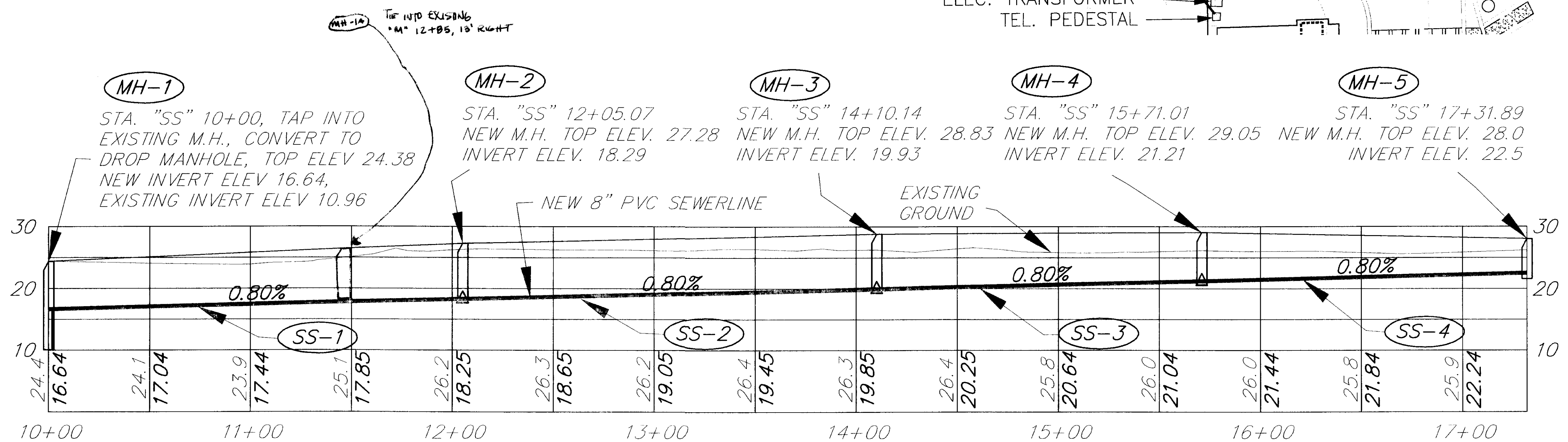
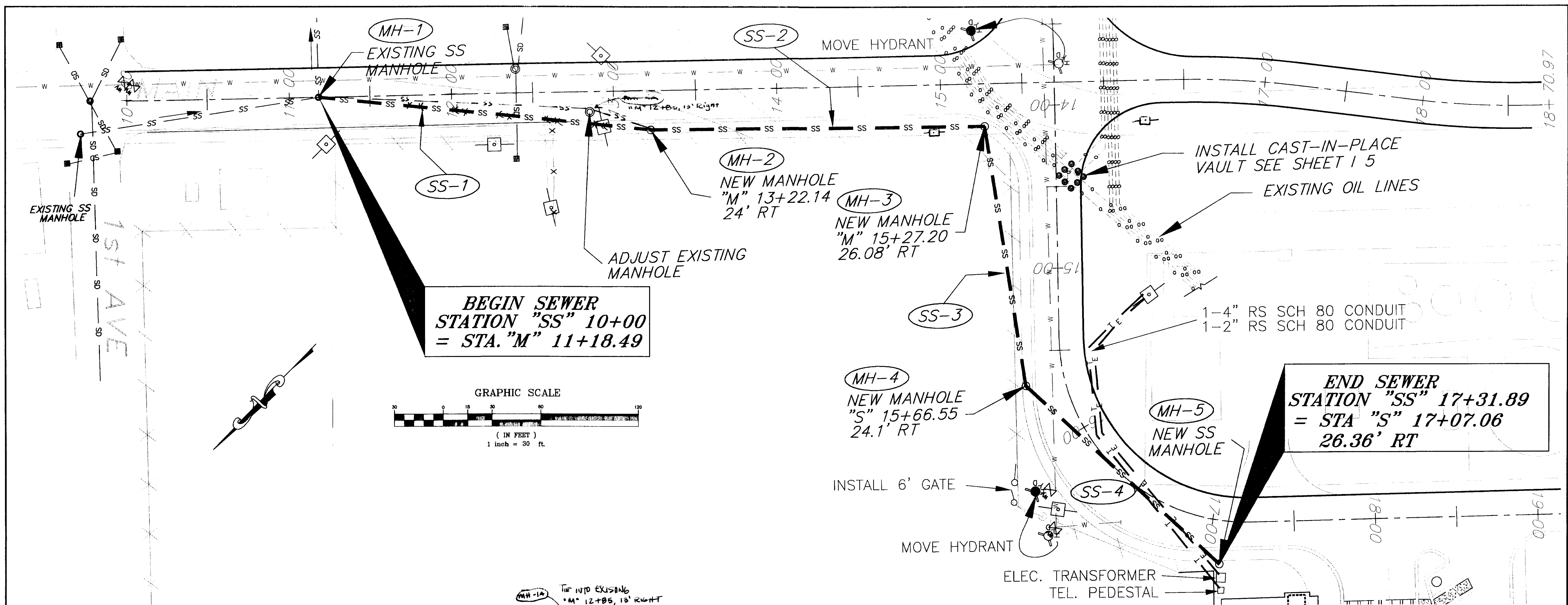
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835
ALASKA
STATE STREET EXTENSION STORM DRAINAGE

DESIGNED BY:	DAN KROMAREK	PROJECT NO.	71835
DRAWN BY:	L. ROBERTSON	DATE:	1998
CHECKED BY:	T. MOORE	SHEET	G7 OF 100



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

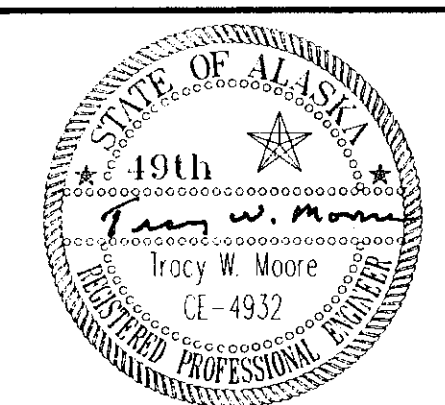


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PLOT: Q:\LIB\LOT\LOT.PCP(100) OR LOT.PCP(200)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835
ALASKA
SEWER EXTENSION PLAN & PROFILE

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS	
DESIGNED BY: P. JONES	PROJECT NO. 71835
DRAWN BY: K. KLEMMETSON	DATE: 1998
CHECKED BY: T. MOORE	SHEET 68 OF 106

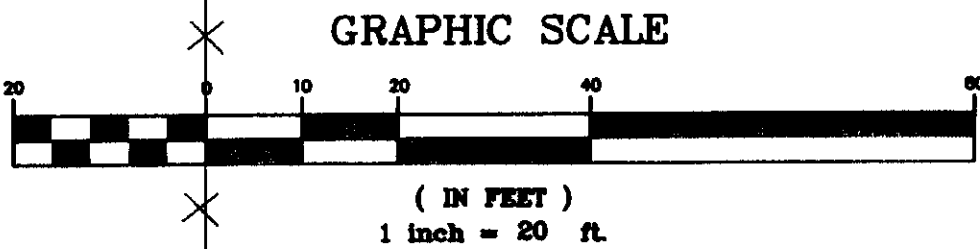
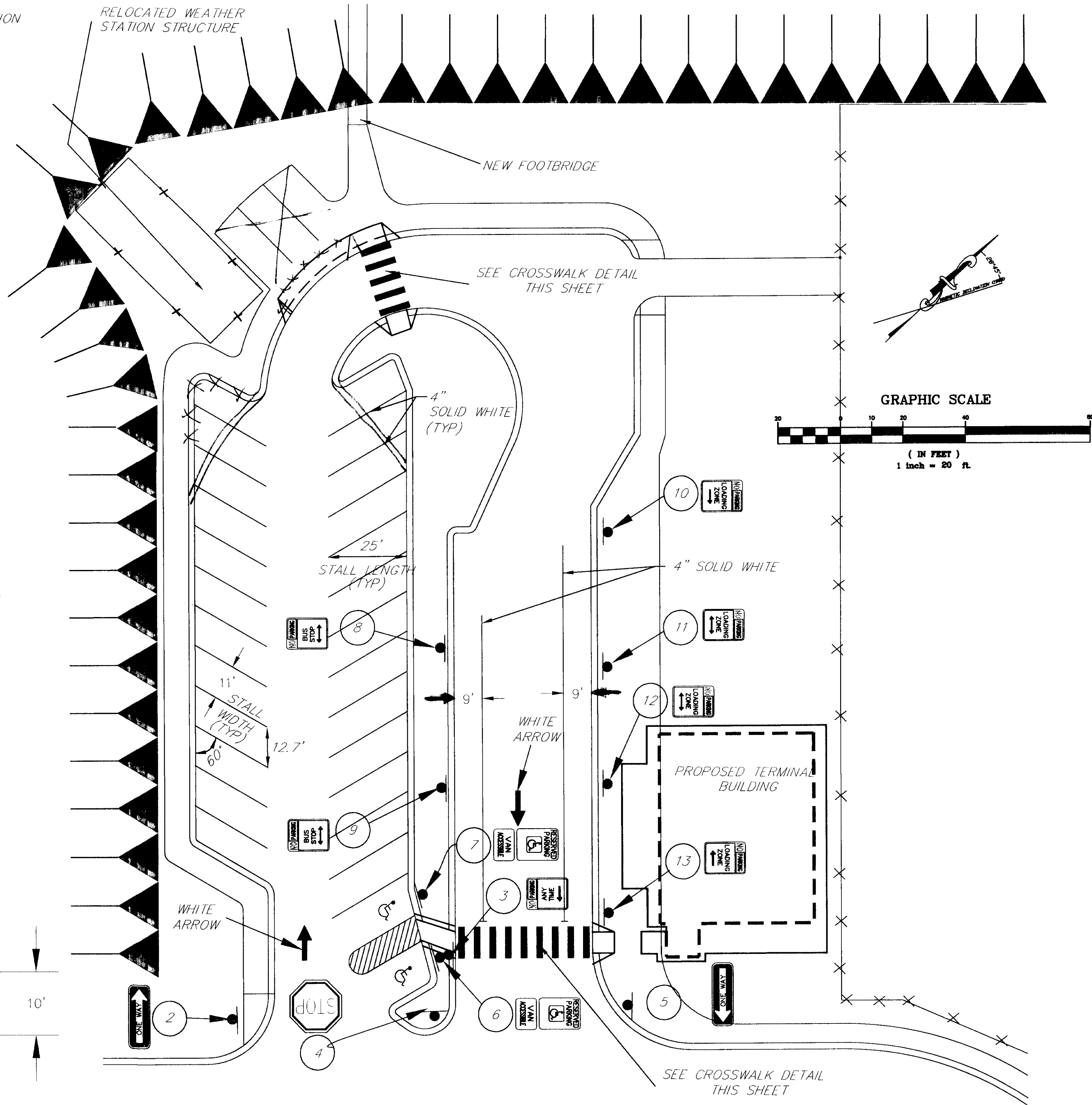
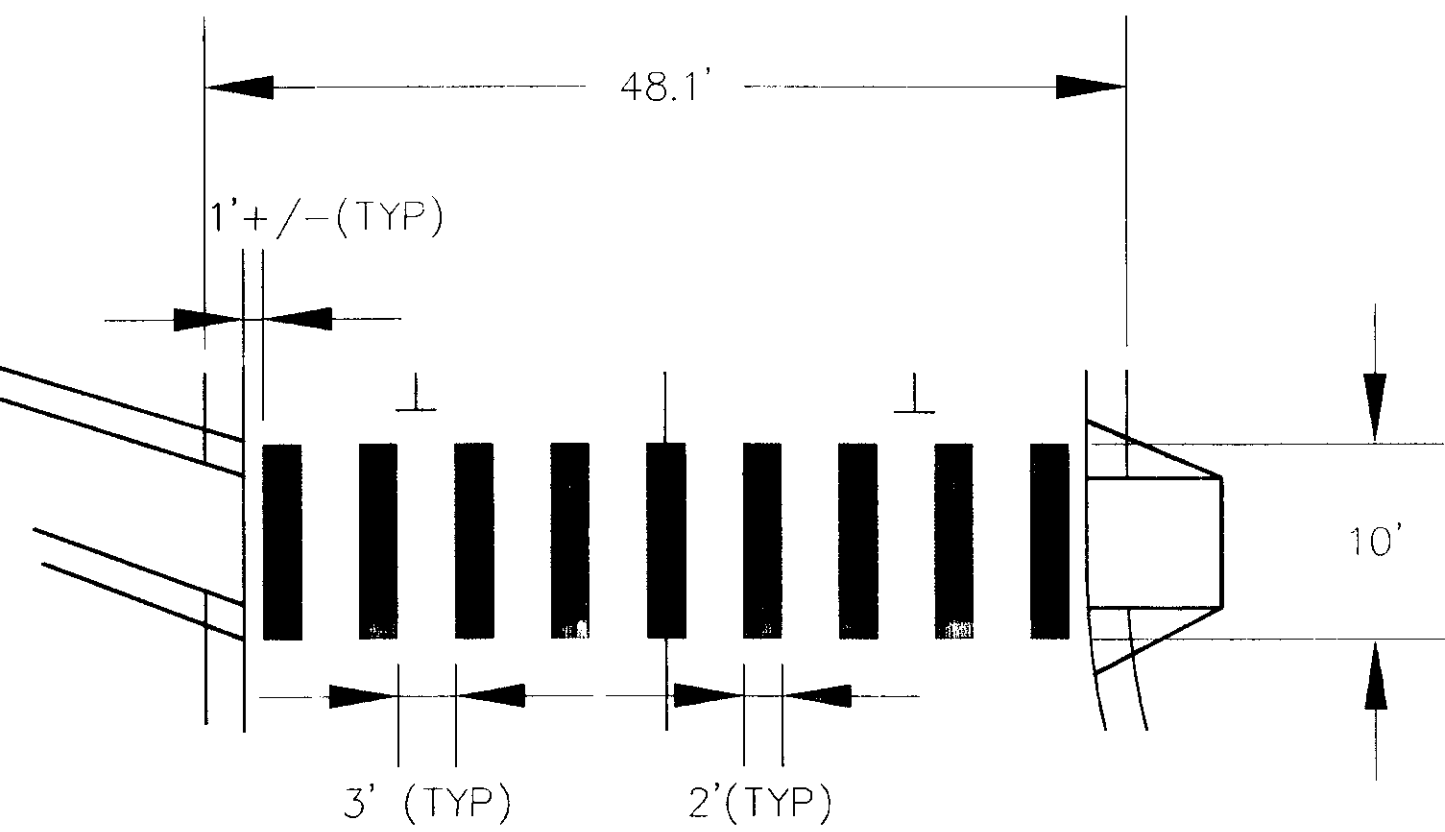
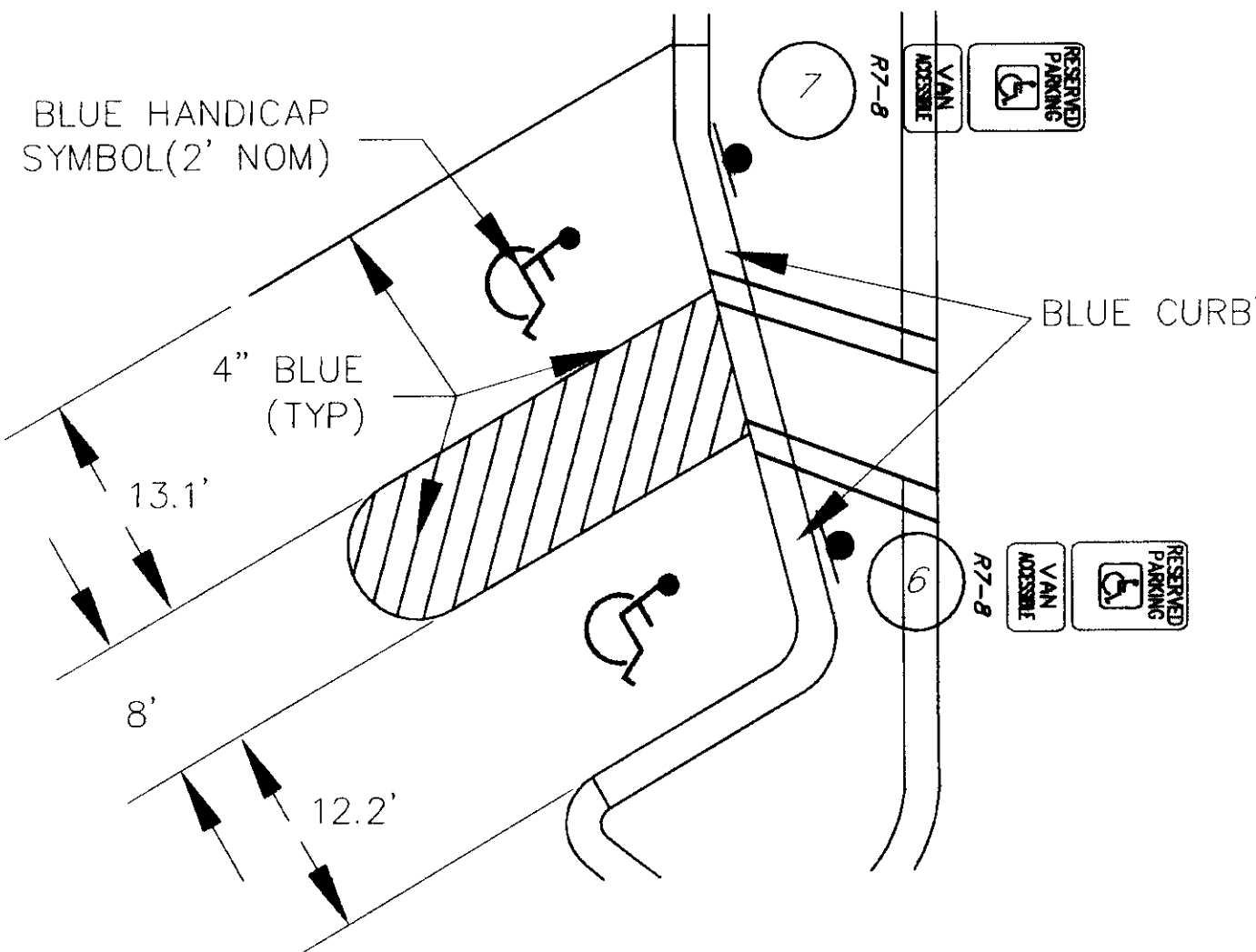
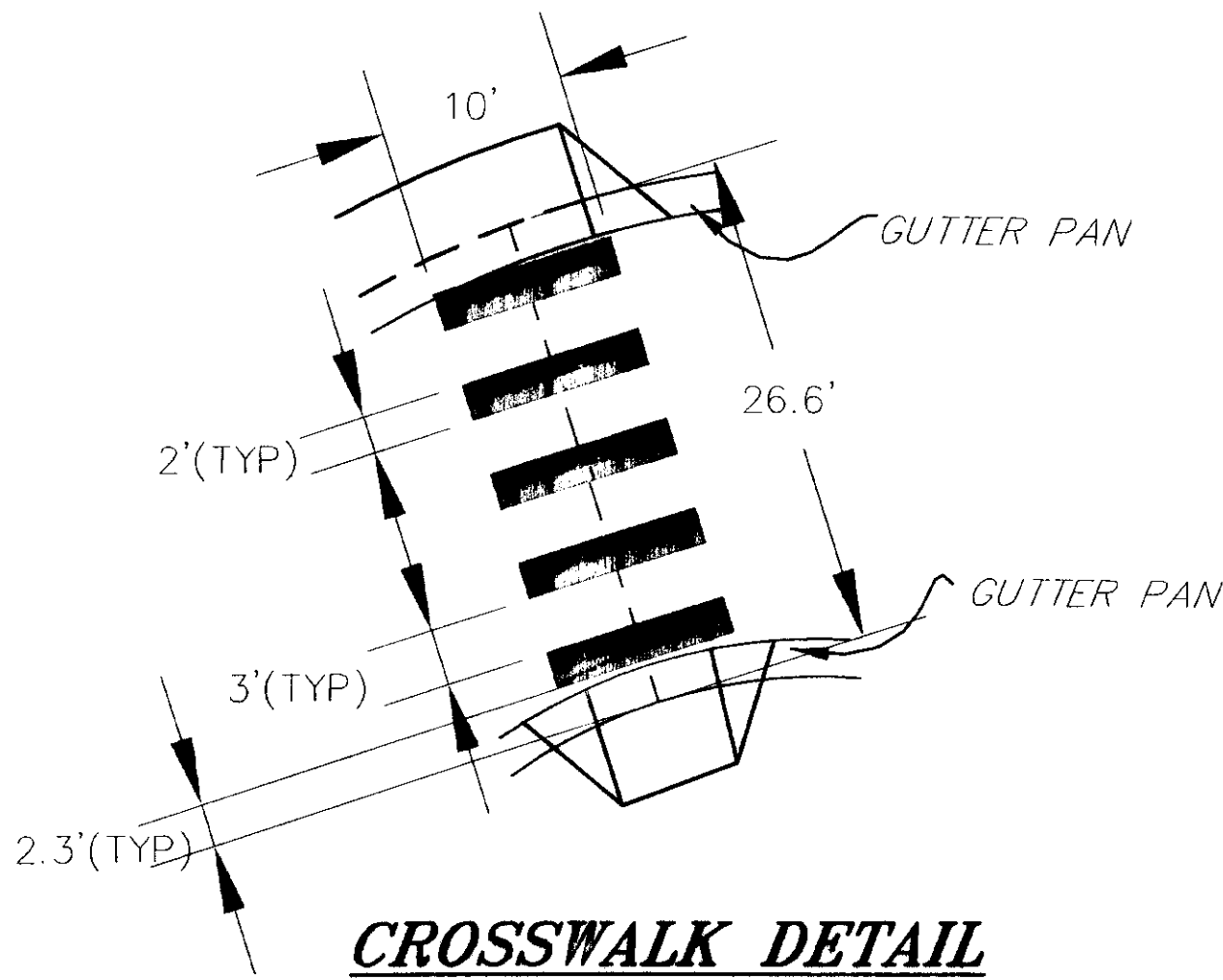


GENERAL SIGNING NOTES

1. SIGN LOCATIONS ARE APPROXIMATE ONLY AND ARE SUBJECT TO MINOR REVISIONS.
2. SEE STD. DWG. S-30.01 FOR POST SLEEVE TYPE SOIL EMBEDMENT.
3. ALL SIGN POSTS SHALL BE TELESCOPING PERFORATED GALVANIZED SQUARE STEEL POSTS, EXCEPT SIGN #1 WHICH IS 4" TREATED WOOD.
4. ALL SIGNS SHALL BE .080" THICK EXCEPT AS NOTED IN THE STANDARD SIGN SCHEDULE.
5. ALL NEW SIGNS SHALL BE UNFRAMED EXCEPT AS NOTED IN THE STANDARD SIGN SCHEDULE.
6. ALL EXISTING SIGNS NOT BEING RELOCATED SHALL BE DISMANTLED BY THE CONTRACTOR AND STOCKPILED AT THE STATE OF ALASKA D.O.T./P.F. MAINTENANCE STATION AS DIRECTED BY THE ENGINEER.
7. ALL D3-1 STREET SIGNS HAVE THE LEGEND ON BOTH SIDES.
8. SIGNS SHALL BE INSTALLED SO THAT THE BOTTOM OF THE SIGN PANEL IS 7 FEET ABOVE THE ROADWAY SURFACE.

GENERAL STRIPING NOTES:

1. ALL MARKINGS SHALL CONFORM TO THE LATEST EDITION OF MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
2. PAINTED ARROWS SHALL BE CENTERED IN AISLES, AND CONSTRUCTED AS SHOWN ON STANDARD DRAWING T-22.02.
3. HANDICAP PAINTED SYMBOL SHALL BE CENTERED IN THE DESIGNATED STALL.
4. "M" LINE AND "S" LINE WILL BE STRIPED WITH A DOUBLE YELLOW LINE.
5. STOP BARS, CROSSWALKS, HANDICAP MARKING, AND OTHER PAVEMENT MARKINGS AS REQUIRED ARE A PART OF ITEM 700c.



VAN ACCESSIBLE PARKING

CROSSWALK DETAIL

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\SGY\71835\PLANSET\--PARK1		
PLOT: Q:\-LIB\--PLOT\PLOTF.PCP(150) OR PLOTH.PCP(300)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY

SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

NEW PARKING LOT STRIPING & SIGNING PLAN

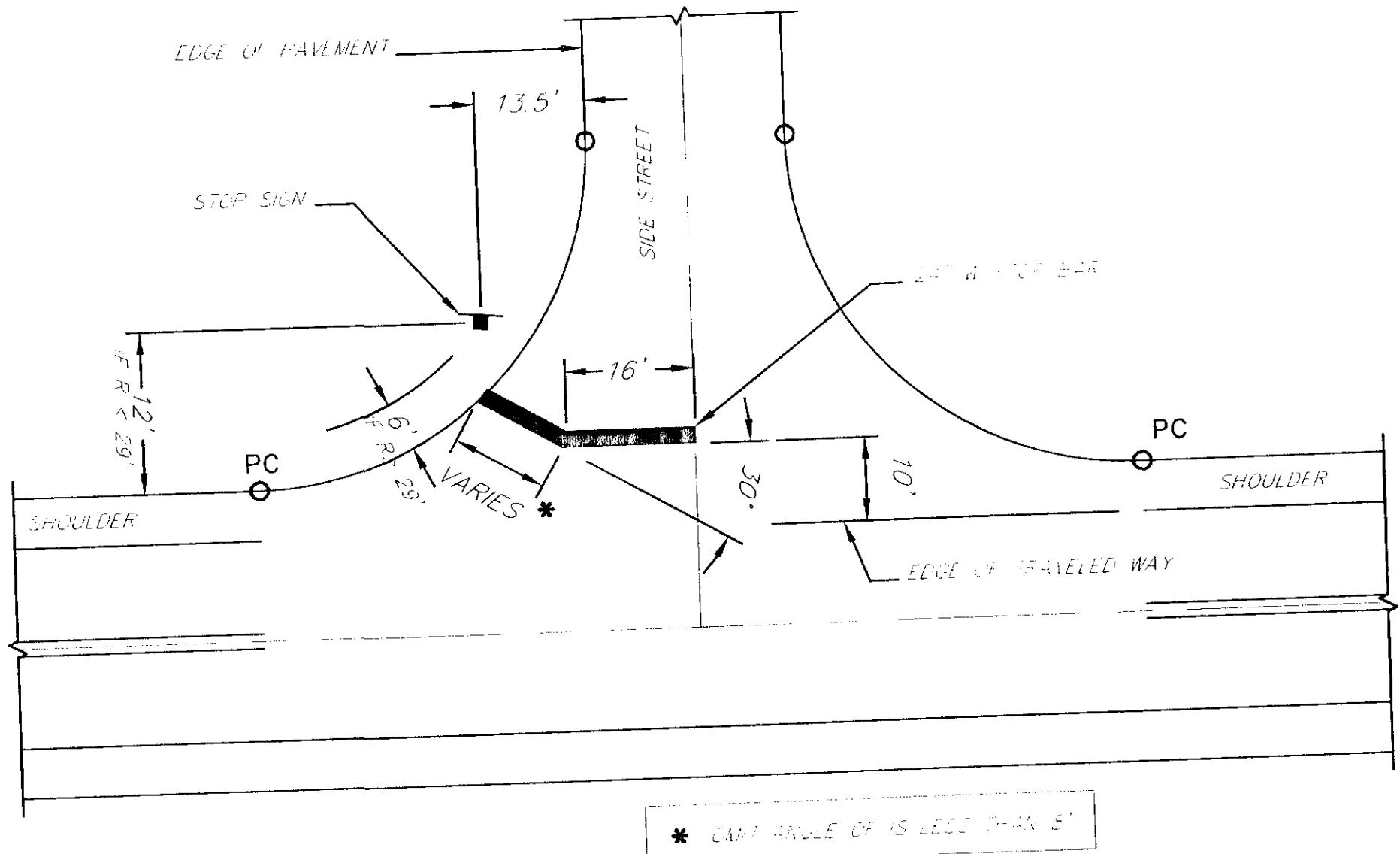
DESIGNED BY:	P. JONES
DRAWN BY:	K. KLEMMETSON
CHECKED BY:	T. MOORE

PROJECT NO.	71835
DATE:	1998
SHEET H1 OF 100	



NOTE: SEE SIGNING SCHEDULE, SHEET D1.

END S-LINE
STATION 20+30



STOP BAR AND STOP SIGN
INSTALLATION DETAIL
(WITHOUT PATHWAY)

BEGIN M-LINE
STATION 10+00

END M-LINE
STATION 18+70

BEGIN S-LINE
STATION 10+00

PLAN

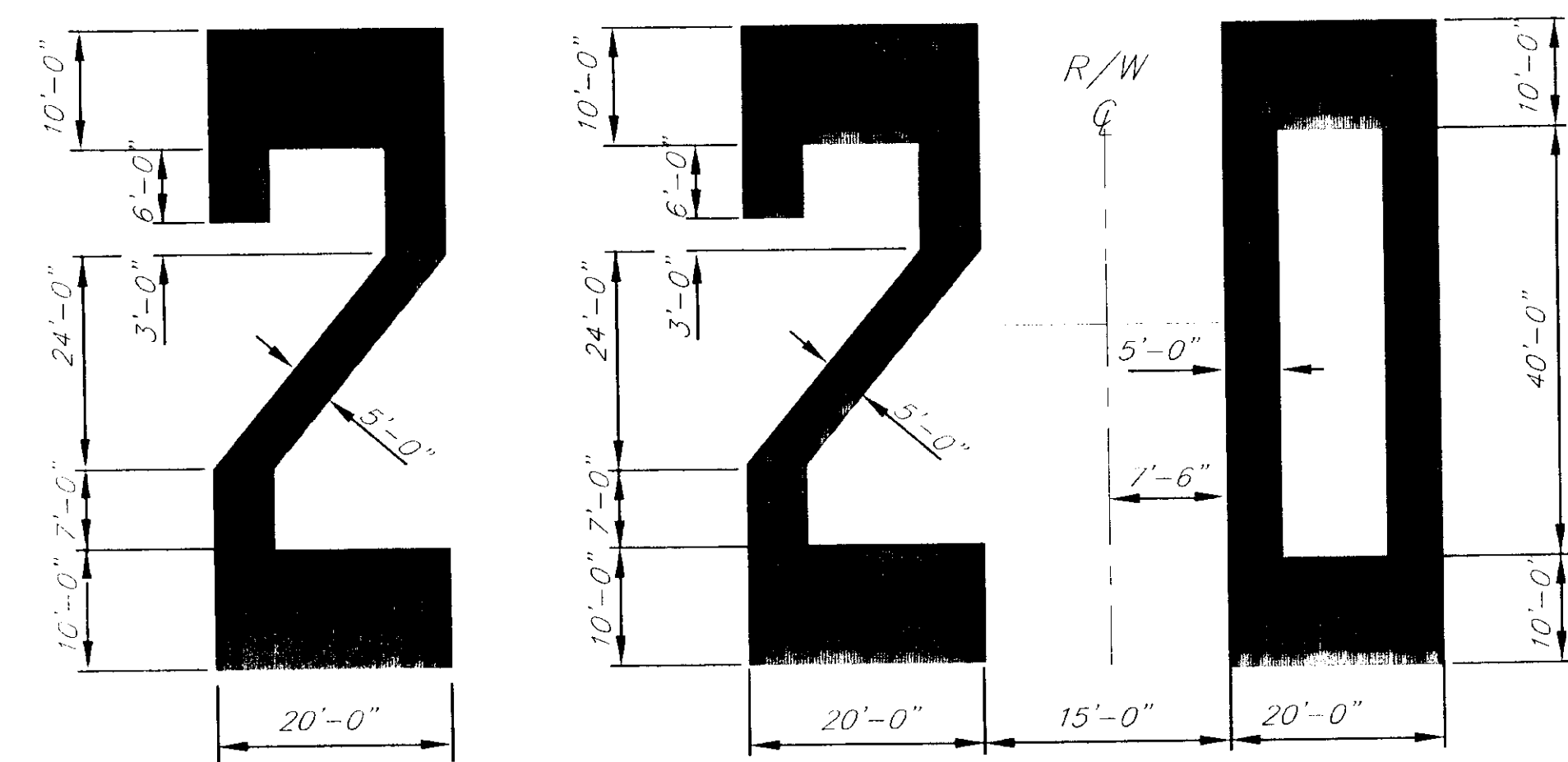
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BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

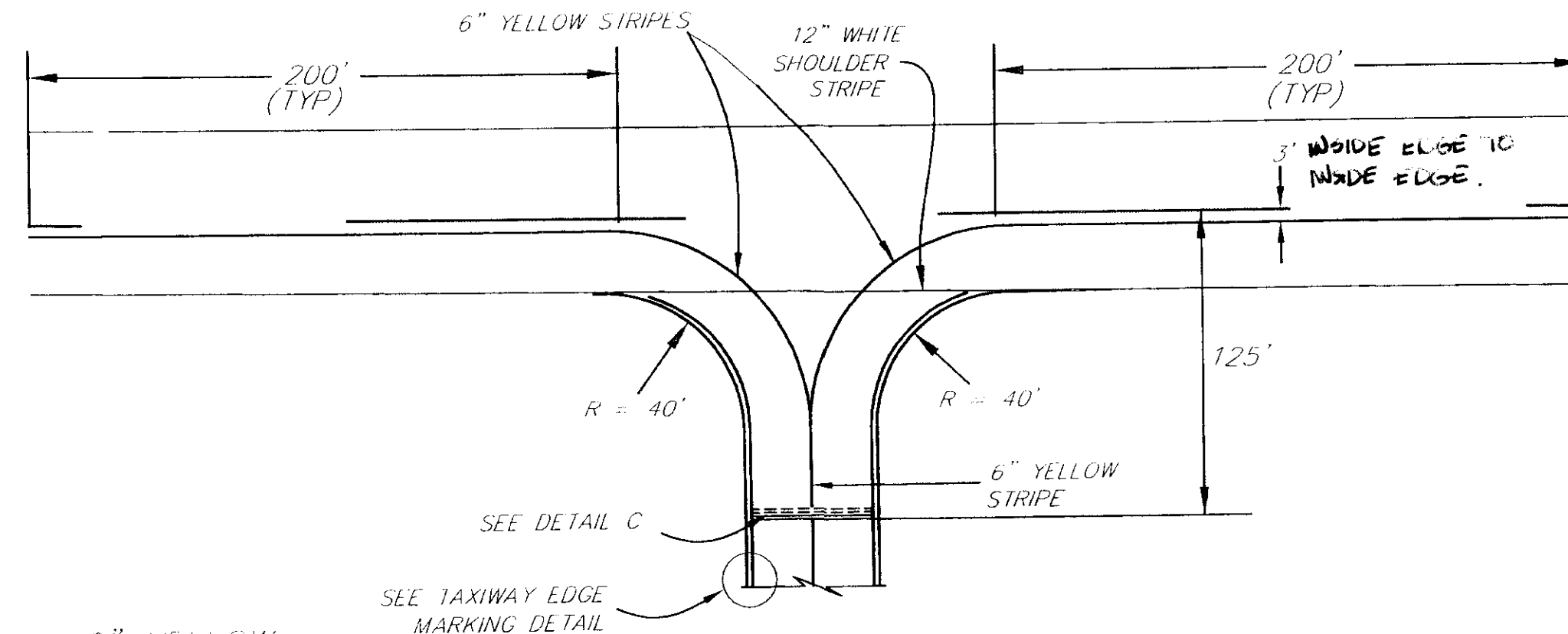
ALASKA
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835
**AIRPORT ACCESS ROAD
SIGNING & STRIPING PLAN**

DESIGNED BY:	P. JONES	PROJECT NO.	71835
DRAWN BY:	K. KLEMMETSON	DATE:	1998
CHECKED BY:	T. MOORE	SHEET H2 OF 100	

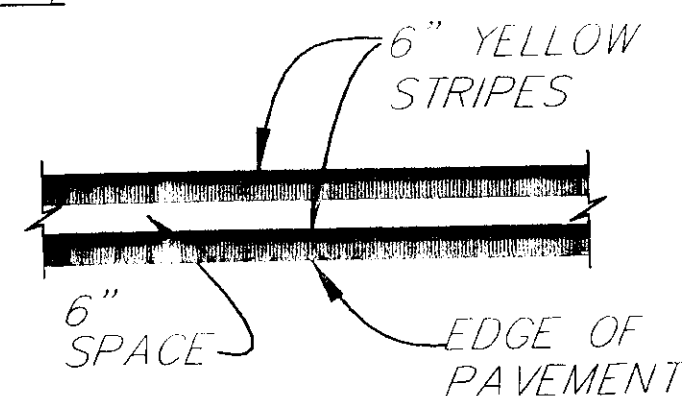




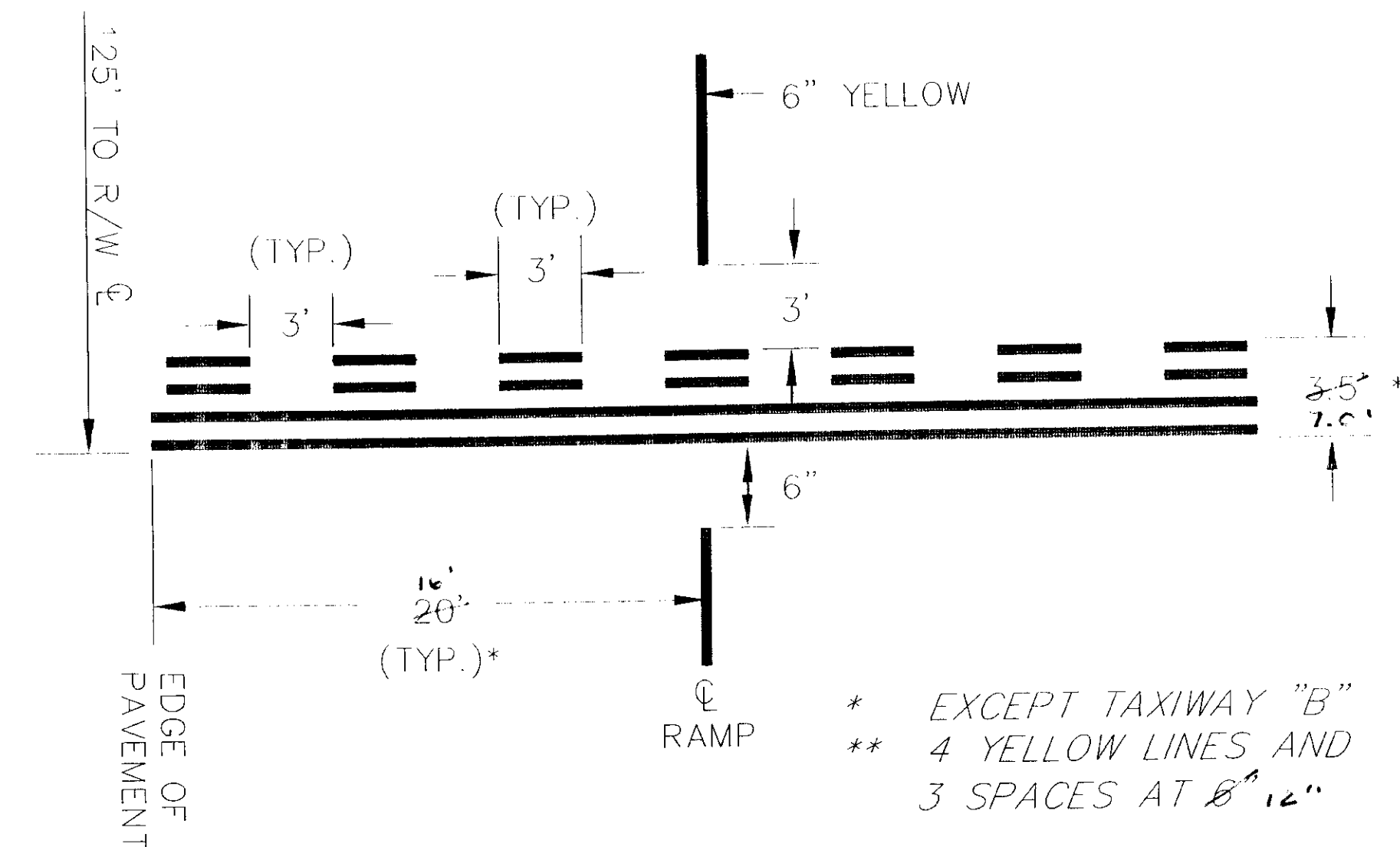
NUMERAL DETAILS
(WHITE)



**TAXIWAY/RUNWAY
INTERSECTION DETAIL A**

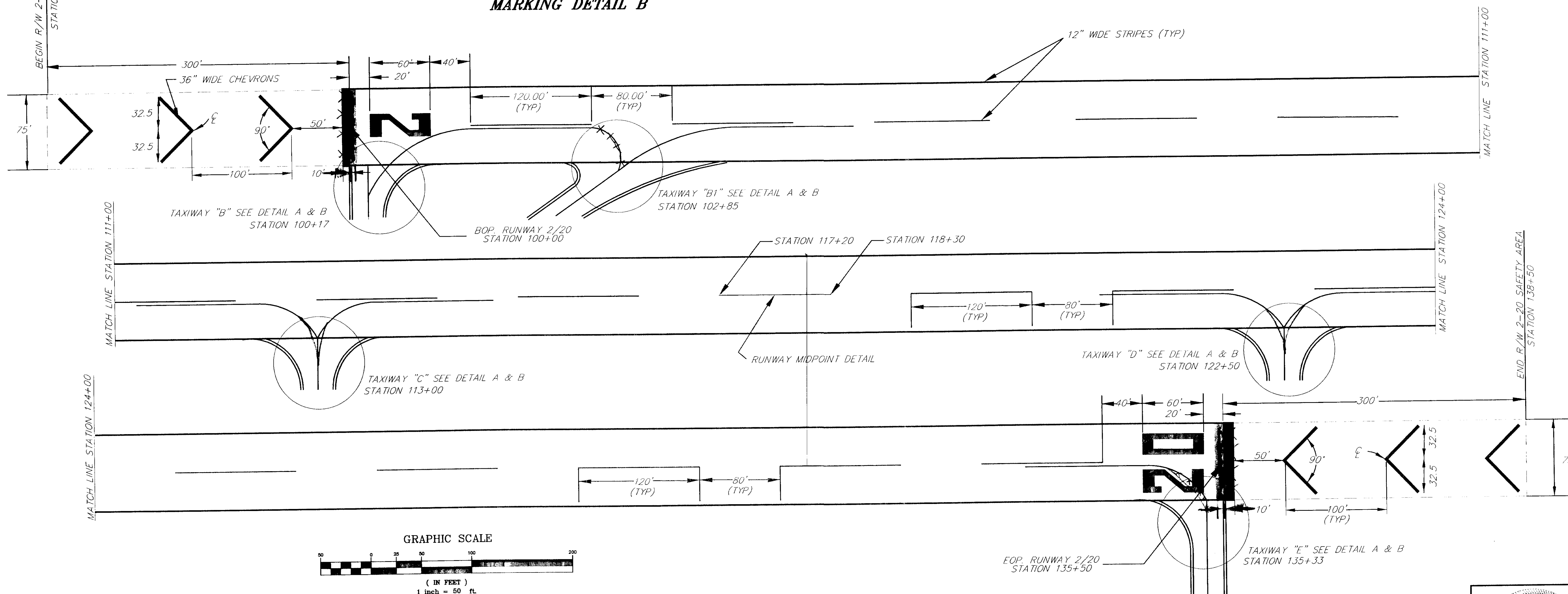


**TAXIWAY EDGE
MARKING DETAIL B**

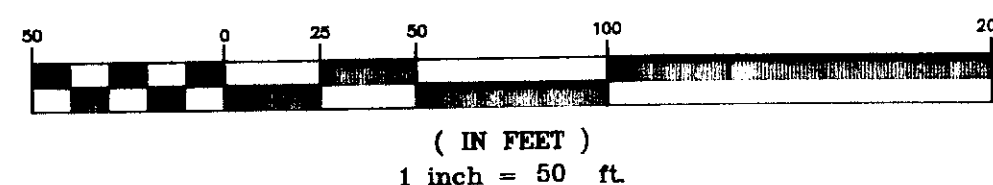


DETAIL C

TYPICAL TAXI-HOLDING POSITION MARKING
(7 REQUIRED)



GRAPHIC SCALE



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\SGY\1835\PLANSET\ - MARKING		
PLOT: Q:\-LIB\ -PLOT\ PLOT.F.PCP(50) OR PLOT.H.PCP(100)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

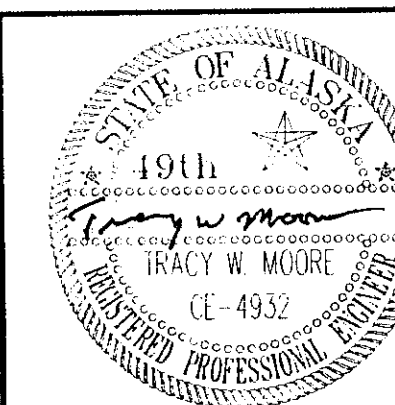
SKAGWAY

SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

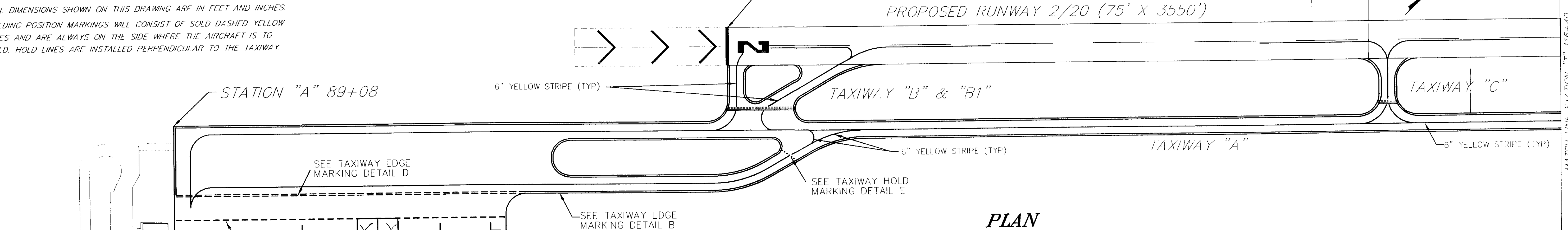
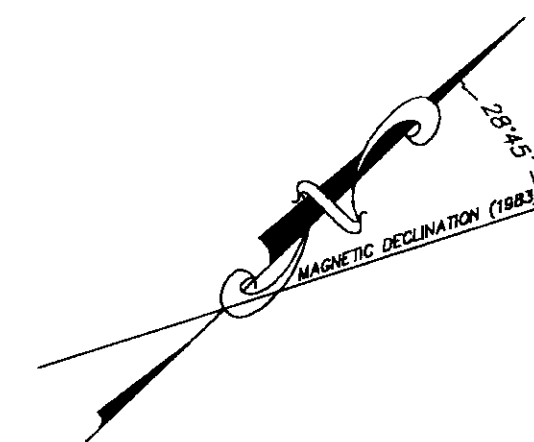
RUNWAY MARKING LAYOUT PLAN & DETAILS

DESIGNED BY:	P. JONES	PROJECT NO.	71835
DRAWN BY:	P. JONES	DATE:	1998
CHECKED BY:	NAME	SHEET	H3 OF 100

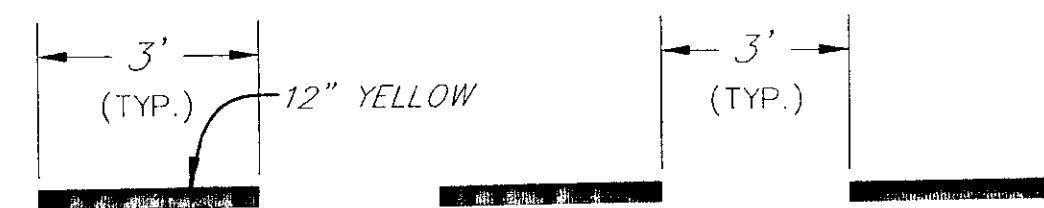


GENERAL NOTES:

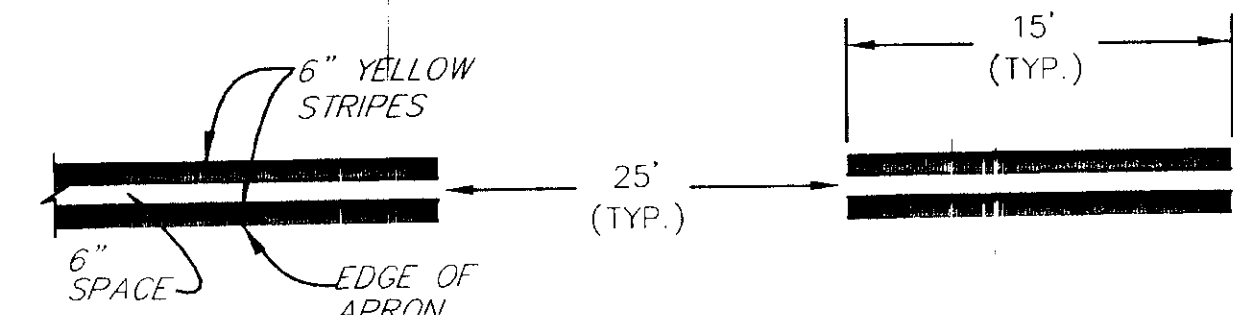
- LAYOUT RUNWAY SPACING FROM BOTH ENDS TOWARDS CENTER.
- ALL RUNWAY MARKINGS SHALL BE ACCOMPLISHED USING AVIATION WHITE COLORED PAINT, EXCEPT CHEVRONS, WHICH ARE YELLOW AND RUNWAY HOLDING AREA ON RUNWAY 20, WHICH ARE YELLOW. ALL TAXIWAY MARKINGS SHALL BE YELLOW.
- THE NUMERALS SHALL BE HORIZONTALLY SPACED 15 FEET APART SYMETRICAL ABOUT CENTERLINE.
- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN FEET AND INCHES.
- HOLDING POSITION MARKINGS WILL CONSIST OF SOLD DASHED YELLOW LINES AND ARE ALWAYS ON THE SIDE WHERE THE AIRCRAFT IS TO HOLD. HOLD LINES ARE INSTALLED PERPENDICULAR TO THE TAXIWAY.



PLAN

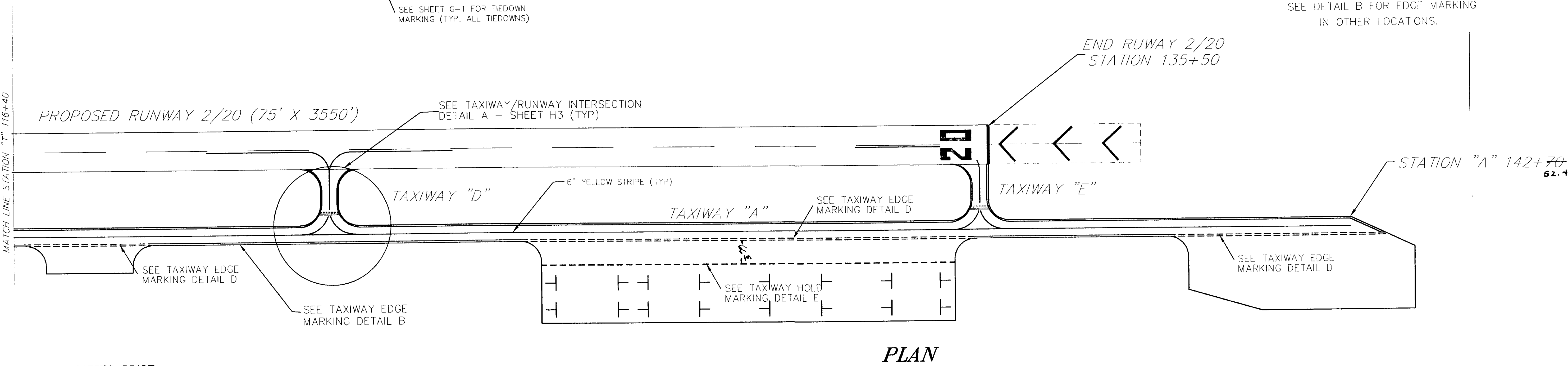


**TAXIWAY HOLD MARKING
DETAIL E**

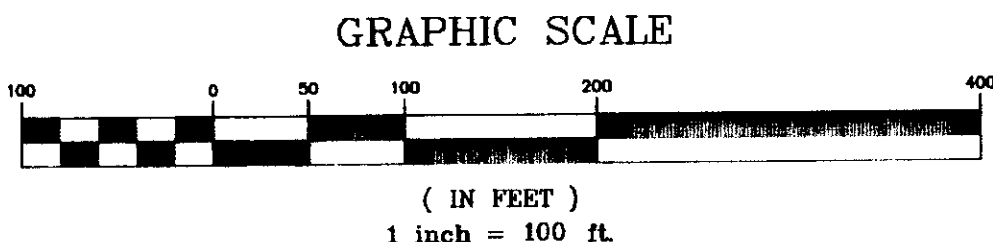


**TAXIWAY EDGE MARKING
DETAIL D (ACROSS APRONS)**

SEE DETAIL B FOR EDGE MARKING
IN OTHER LOCATIONS.



PLAN



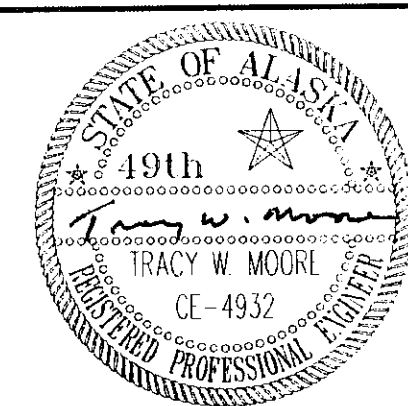
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

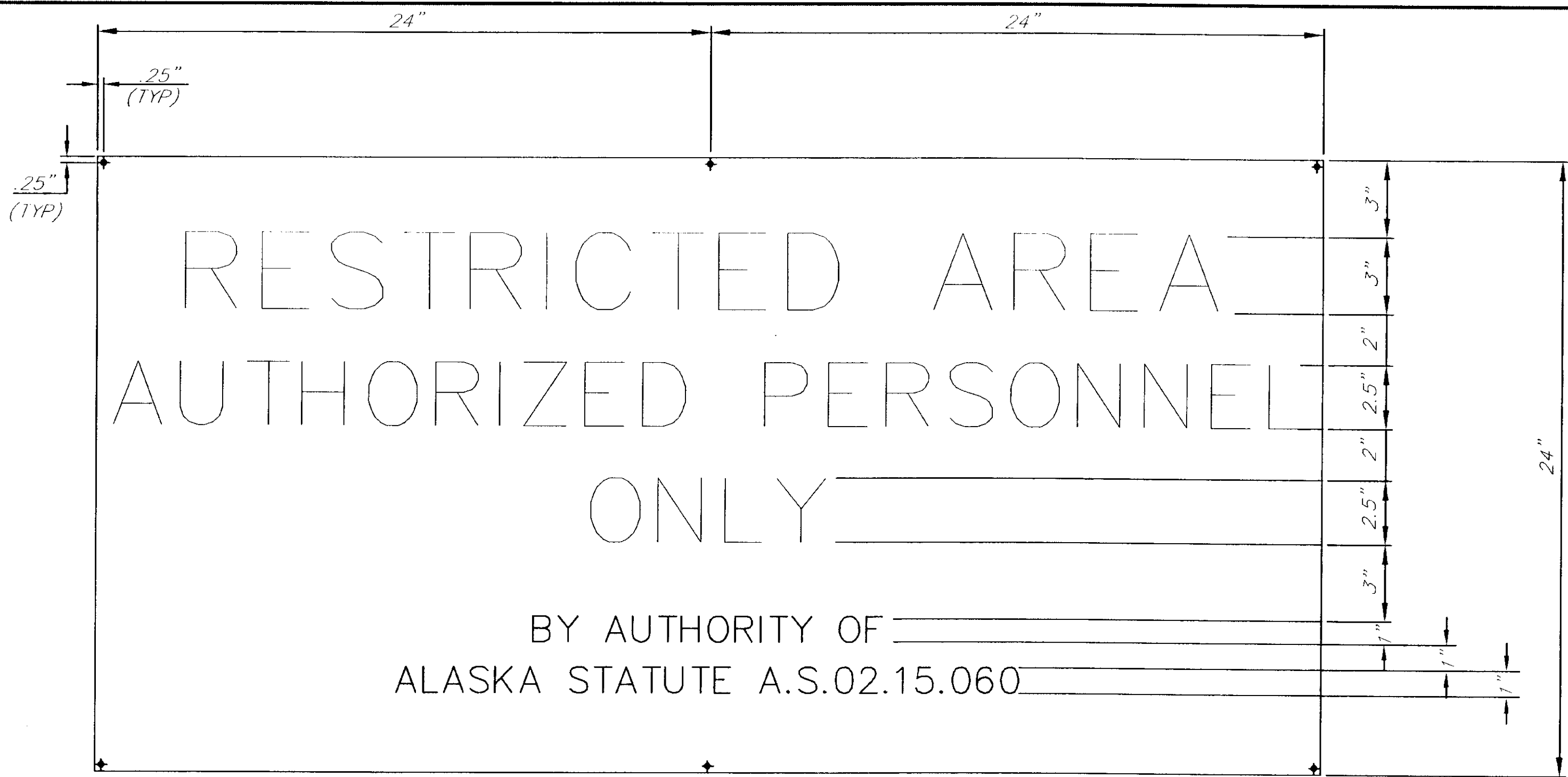
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

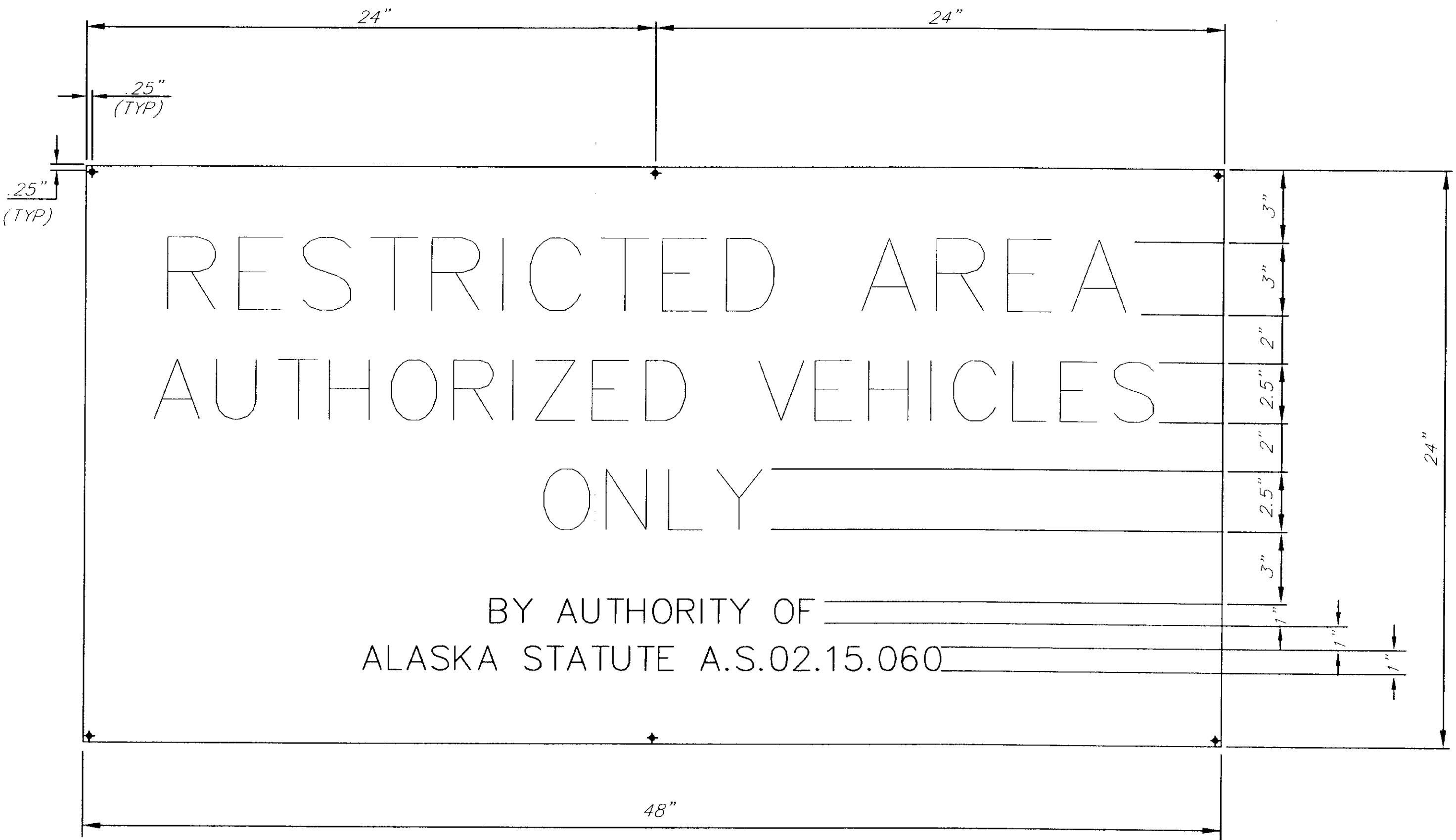
SKAGWAY SKAGWAY AIRPORT IMPROVEMENTS ALASKA
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835
TAXIWAY & APRON MARKING LAYOUT PLAN

DESIGNED BY: P. JONES.	PROJECT NO. 71835
DRAWN BY: P. JONES.	DATE: 1998
CHECKED BY: NAME	SHEET H4 OF 100





GATE SIGN - PERSONNEL



GATE SIGN - VEHICLES



BOUNDARY SIGN PLATE DETAIL

NOTES:

1. SIGN PLATES SHALL HAVE RED REFLECTIVE SHEETING WITH WHITE LETTERING.
2. SIGN PLATES SHALL BE PLACED ON THE FENCE IMMEDIATELY ADJACENT TO GATES INSTALLED UNDER THIS CONTRACT. 4' ABOVE THE GROUND, EXCEPT SLIDE GATES WHICH SHALL HAVE SIGNS ATTACHED IN CENTER OF GATES.
3. "AUTHORIZED VEHICLES" SIGNS SHALL BE USED ON GATES FOR VEHICULAR ACCESS. "AUTHORIZED PERSONNEL" SIGNS SHALL BE USED ON GATES FOR PERSONNEL ACCESS. BOTH SIGNS SHALL BE USED WHERE VEHICLE/ PERSONNEL COMBINATIONS OCCUR.
4. ALL SIGNS SHALL BE ATTACHED TO FENCE WITH 9 GA. WIRE.
5. THE "NOTICE" SIGN PLATES SHALL BE PLACED EVERY 300' ALONG THE 6' CHAIN LINK FENCE.

SIGN SUMMARY			
SIGN	NUMBER	SQ. FT. AREA	LOCATION
PERSONNEL	2	16	ON THE PEDESTRIAN GATE
VEHICLES	15	120	ON EACH SWING GATE AND DOUBLE GATE
NOTICE	24	32	EVERY 300' ON PERIMETER FENCE.
		TOTAL = 168'	

PATH:	Q:\SGY\71835\PLANSET\--MISDE15	
LOT:	Q:\-LIB\--PLOT\PL0TF.PCP(16) OR PLOTH.PCP(32)	
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

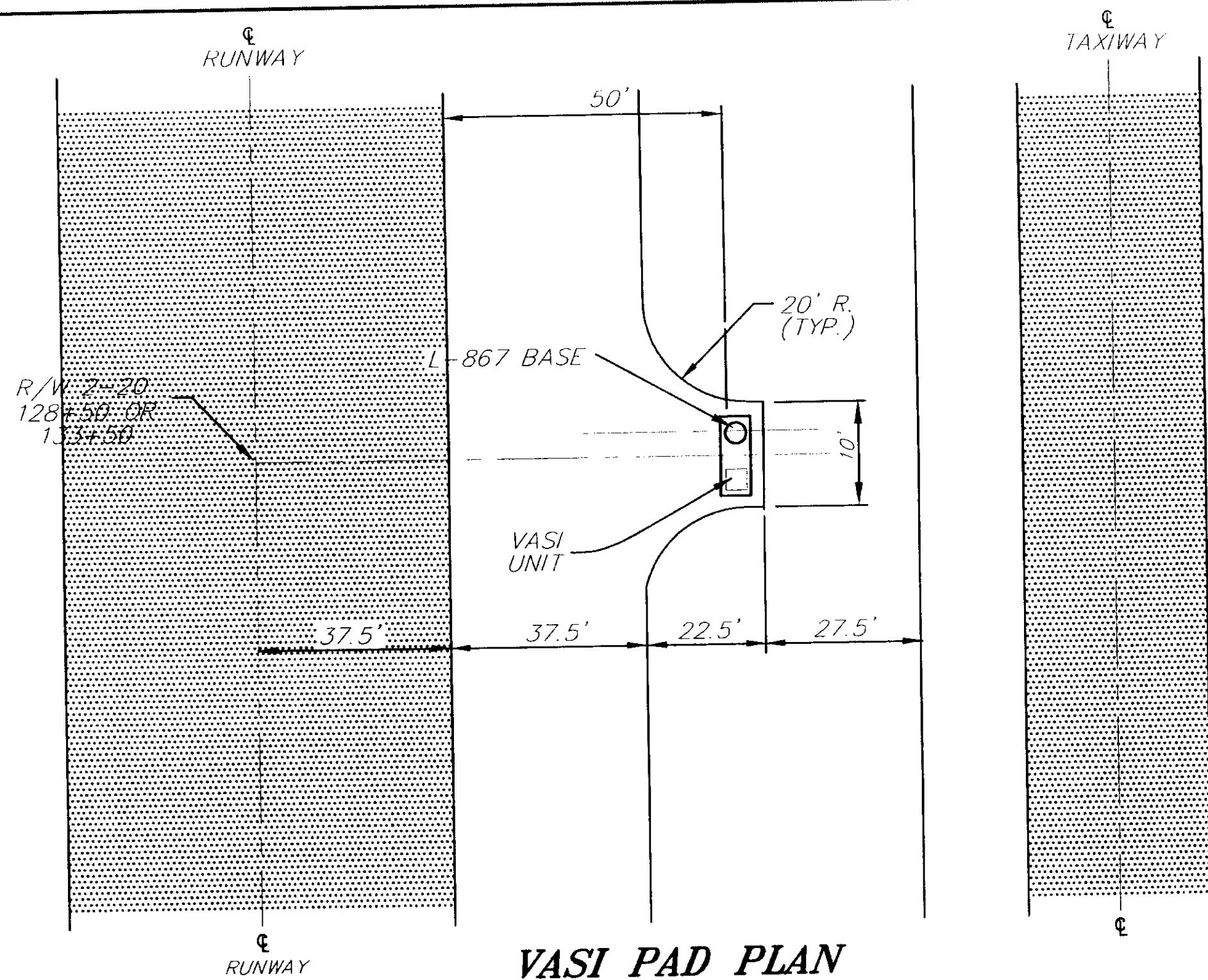
ALASKA
DESIGNED BY:
PETER BEDNAROWICZ
DRAWN BY:
CSA\B.A.
CHECKED BY:
TRACY W. MOORE

PROJECT NO.
71835
DATE:
1996
SHEET H5 OF 100



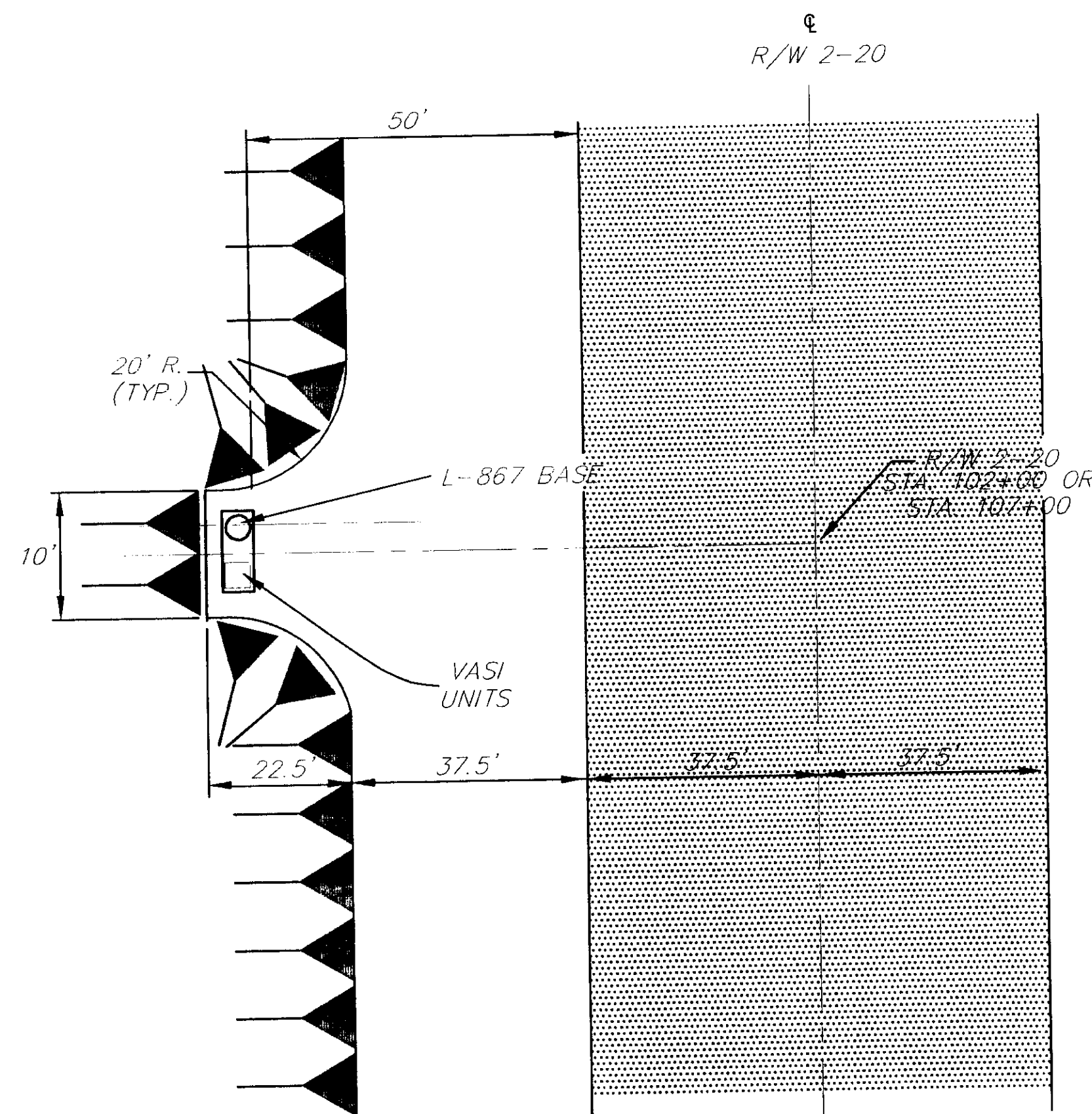
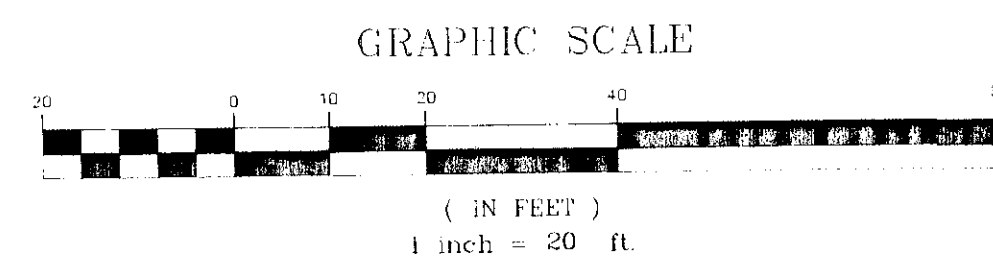
NOTE: DO NOT SCALE FROM THESE PLANS--USE DIMENSIONS

SIGN DETAILS



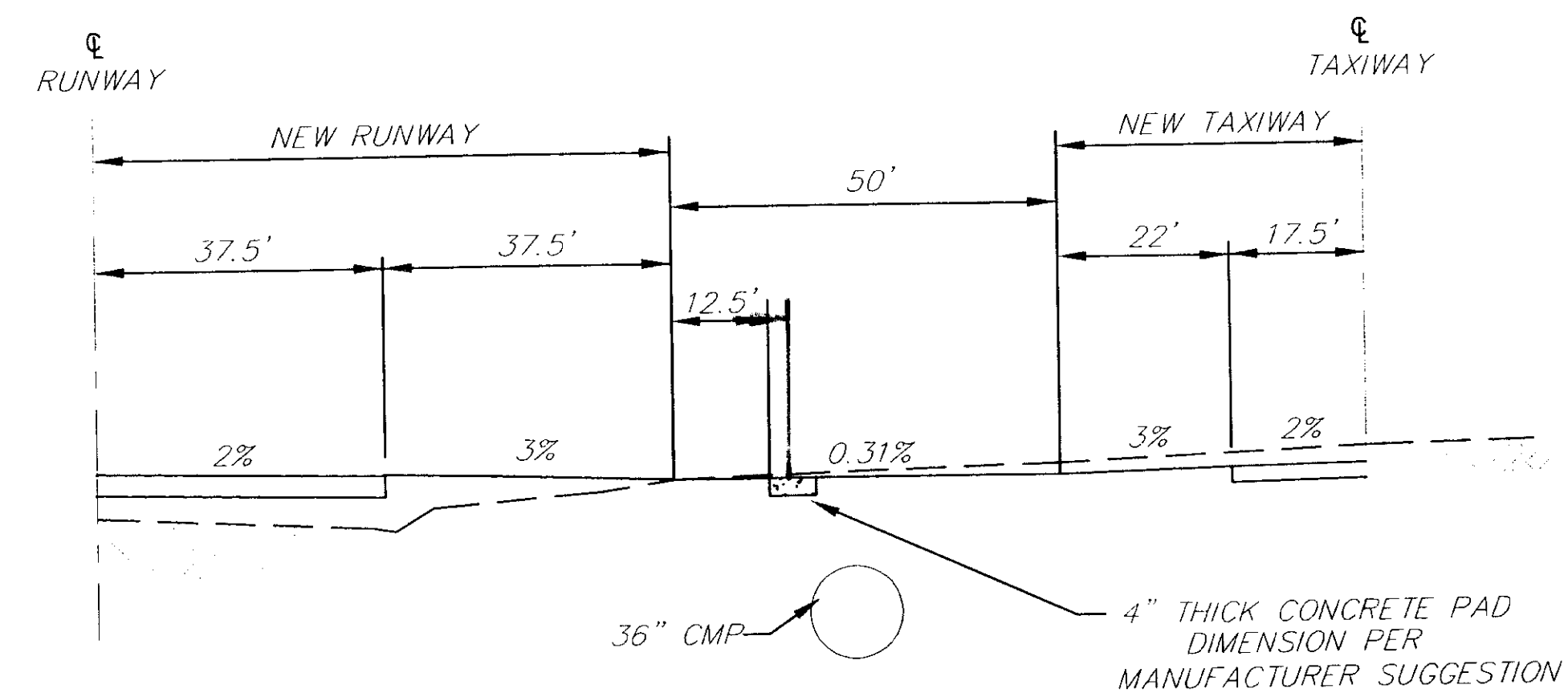
VASI PAD PLAN

"R/W" 128+50
"R/W" 133+50



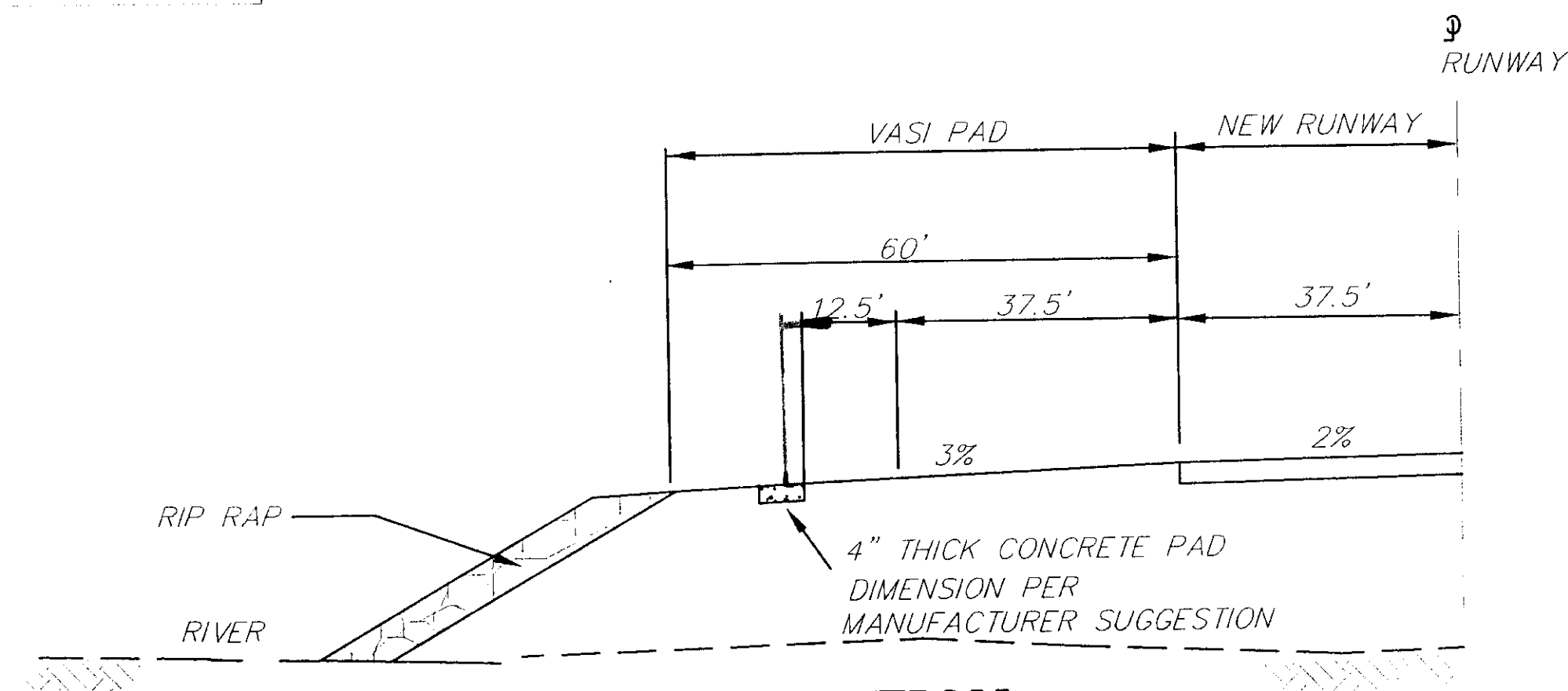
VASI PAD PLAN

"R/W" 102+00
"R/W" 107+00



SECTION

"R/W" 128+50
"R/W" 133+50



SECTION

"R/W" 102+00
"R/W" 107+00

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\SGY\71835\PLANSET\--PAP.DWG		
PLOT: Q:\-LIB\--PLOT\PLOIF.PCP(20) OR PLOTH.PCP(40)		
BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

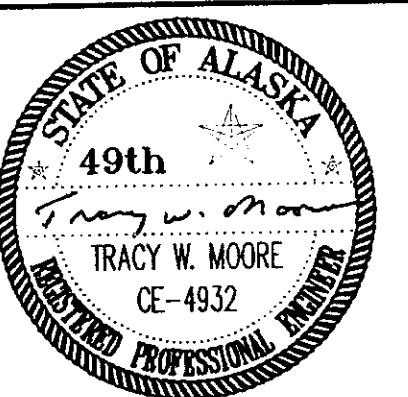
SKAGWAY

SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

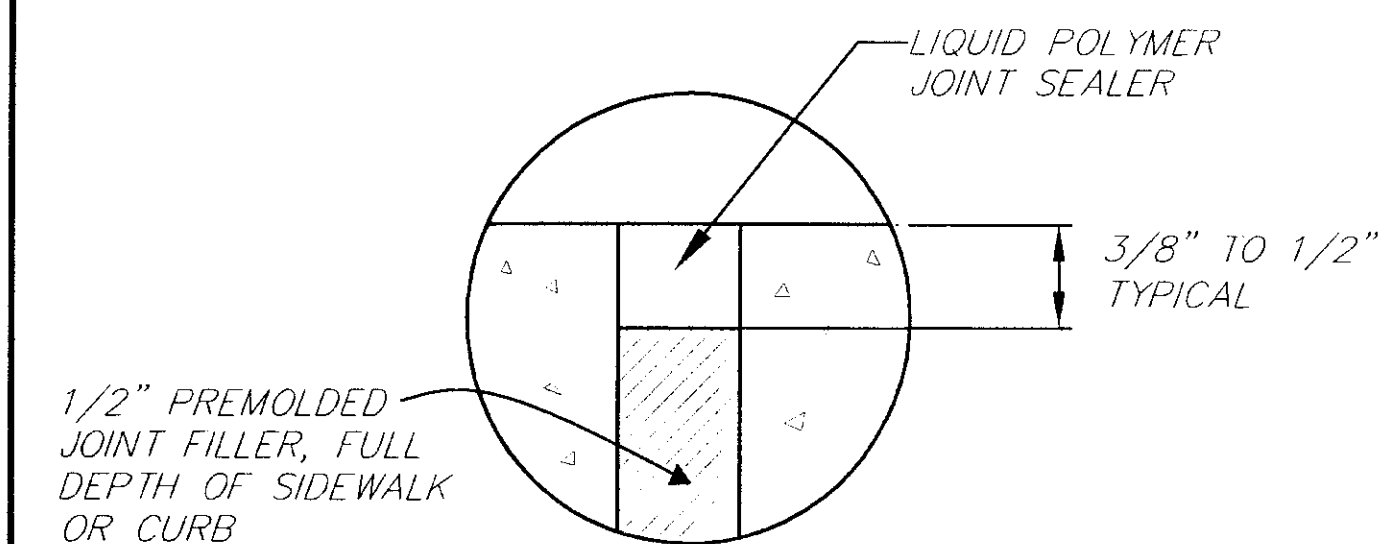
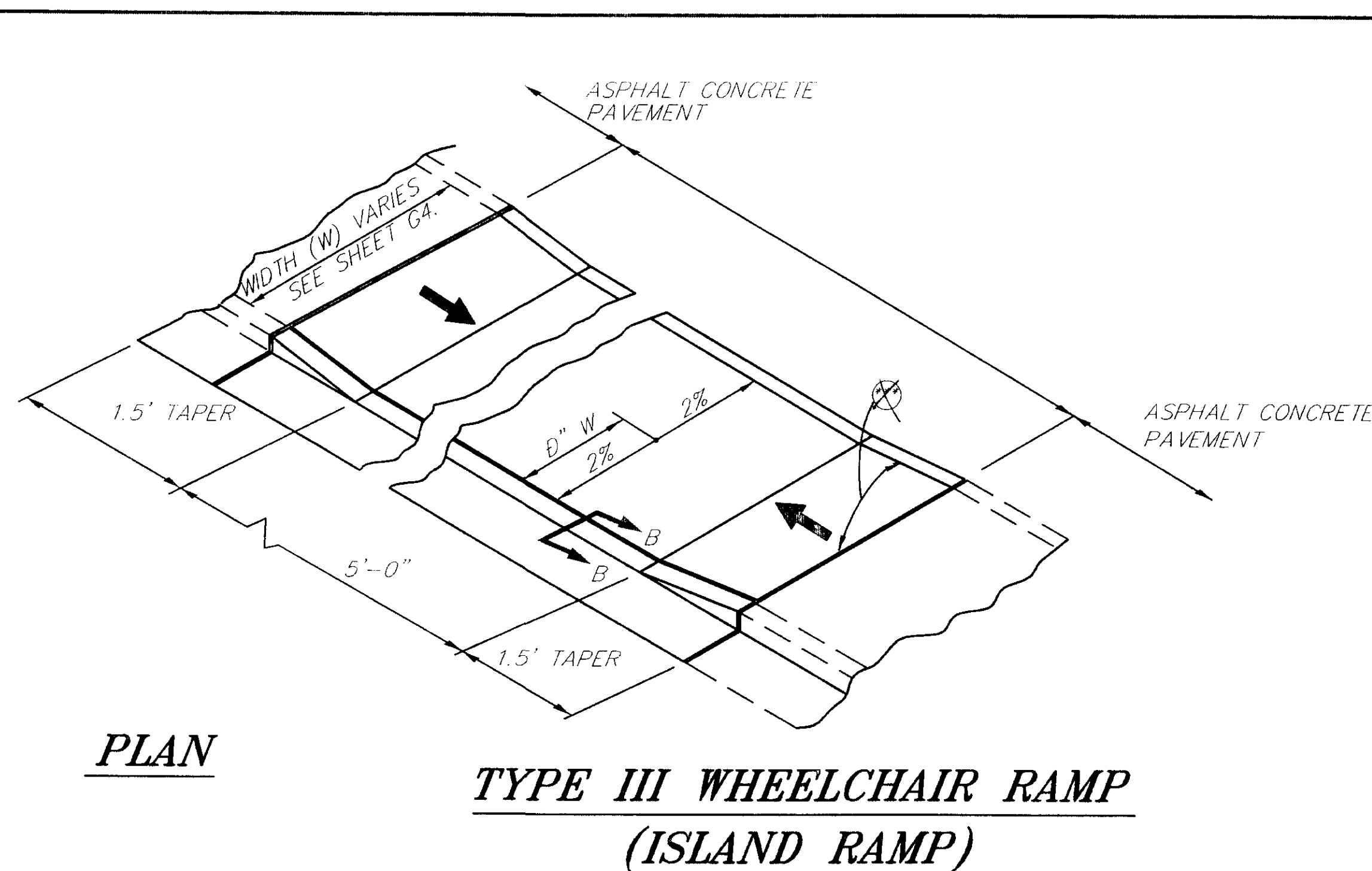
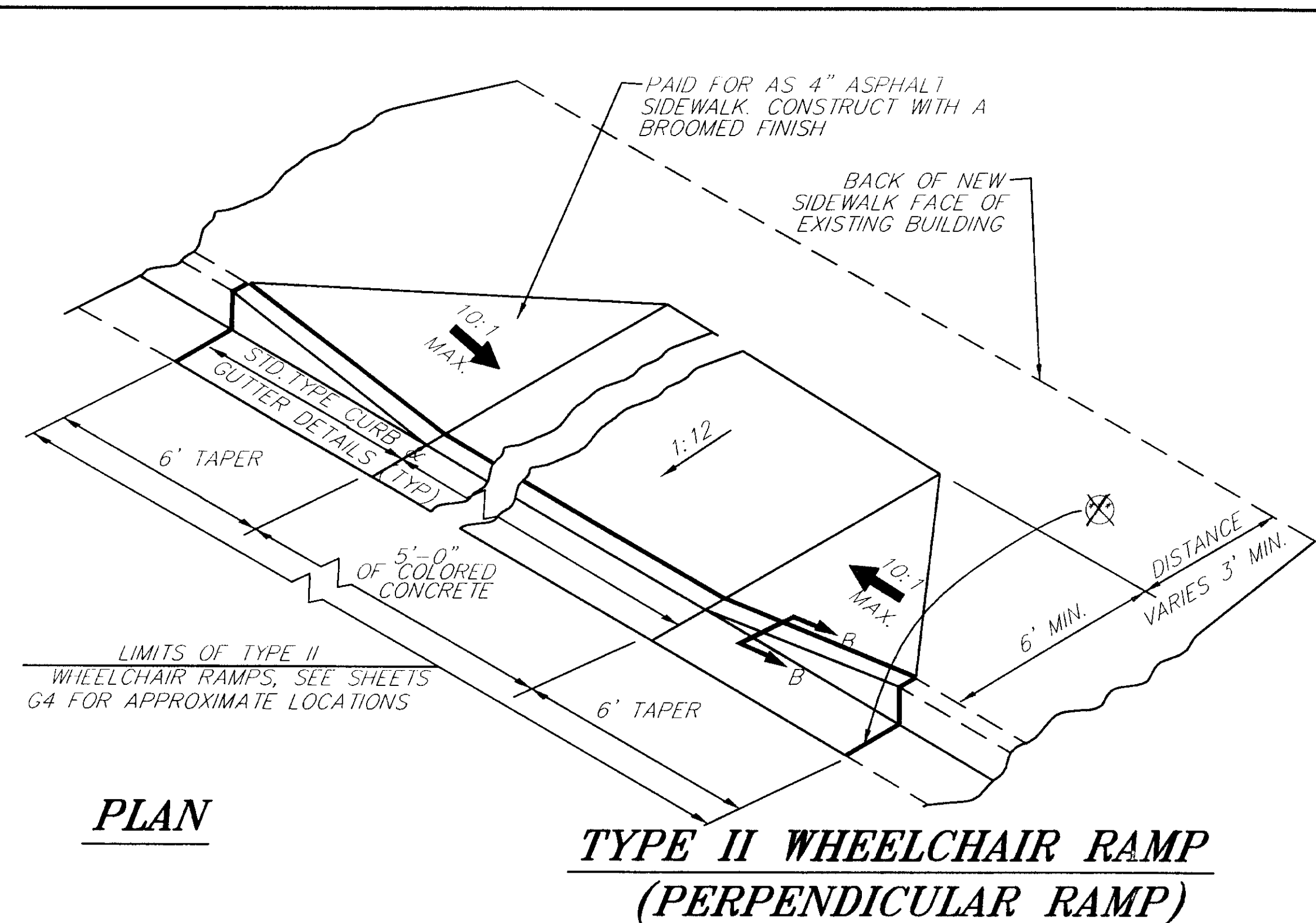
VASI PAD DETAILS

DESIGNED BY:	PROJECT NO.
P. BEDNAROWICZ	71835
DRAWN BY:	DATE:
B. ADAMS	1998
CHECKED BY:	SHEET 11 OF 100
P. JONES	



CURB NOTES:

1. ALL EXPANSION JOINTS TO BE FILLED WITH 1/2" PREMOLDED JOINT FILLER
2. EXPANSION JOINTS SHOULD BE LOCATED AT 30' MAXIMUM SPACINGS.



SECTION B-B

TYPICAL RAMP NOTES:

SECTION BB IS TYPICAL TO BOTH ENDS OF RAMPS.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

Q:\SGY\71835\PLANSET\CURB1
Q:\LIB\LOT\LOT1.PCP(1) OR LOT1.PCP(2)
DATE:
DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

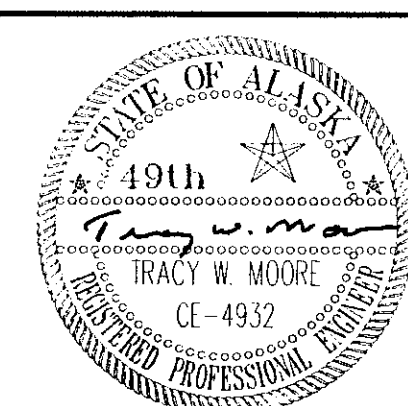
SKAGWAY

SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

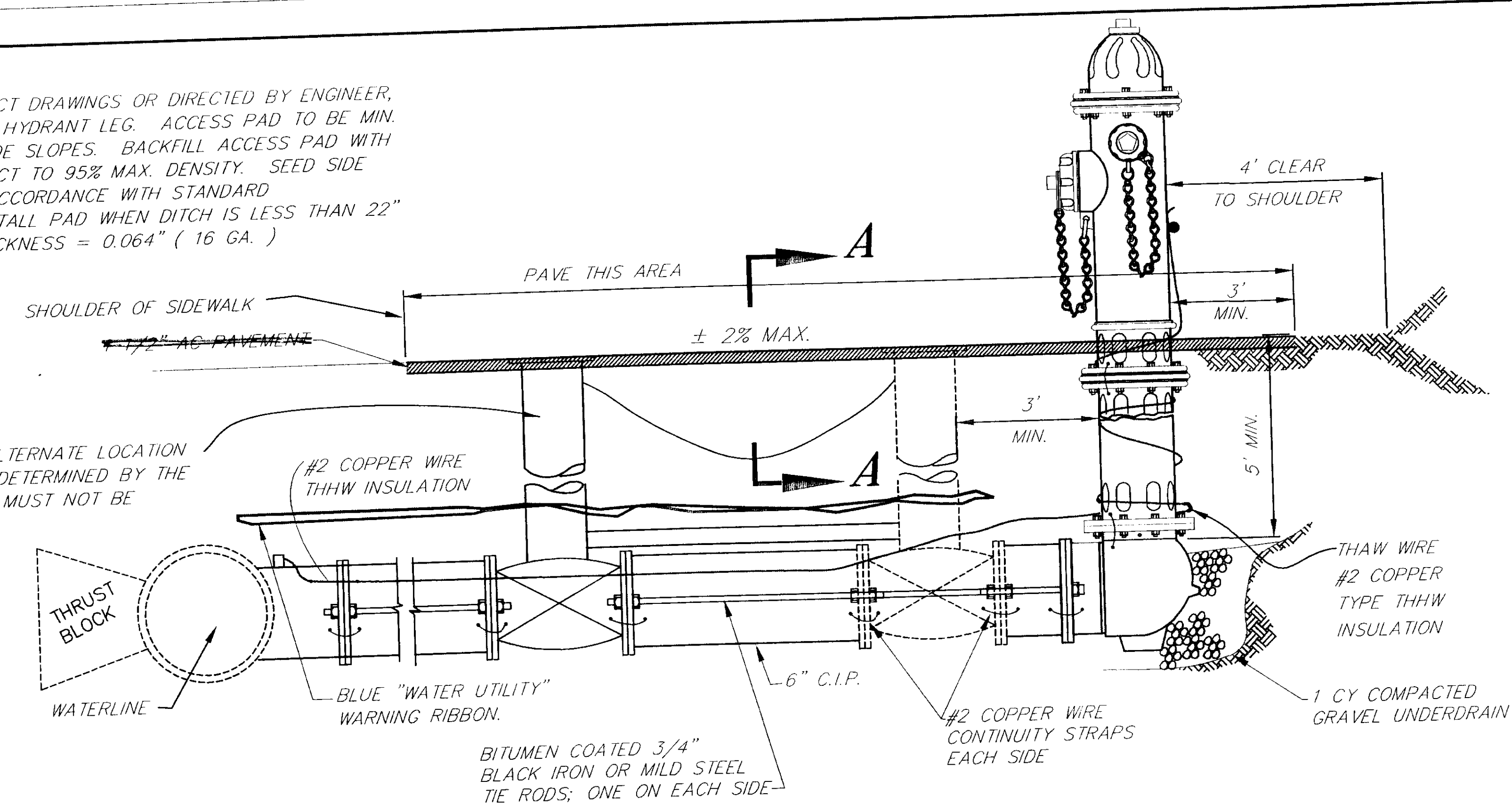
ALASKA

WHEEL CHAIR RAMP DETAILS

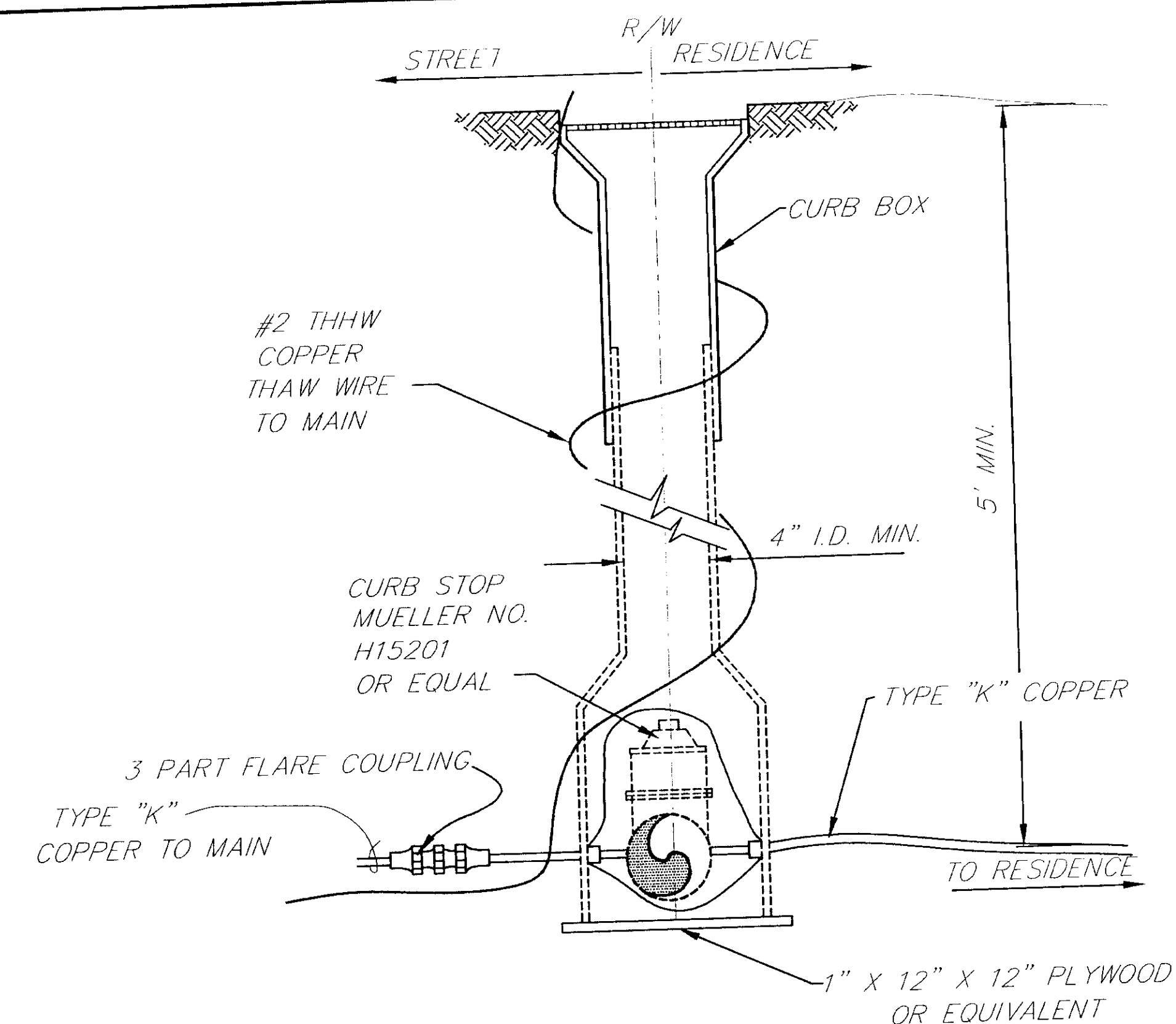
DESIGNED BY: P. JONES	PROJECT NO. 71835
DRAWN BY: K. KLEMMETSON	DATE: 1998
CHECKED BY: P. BEDNARWICZ	SHEET 12 OF 100



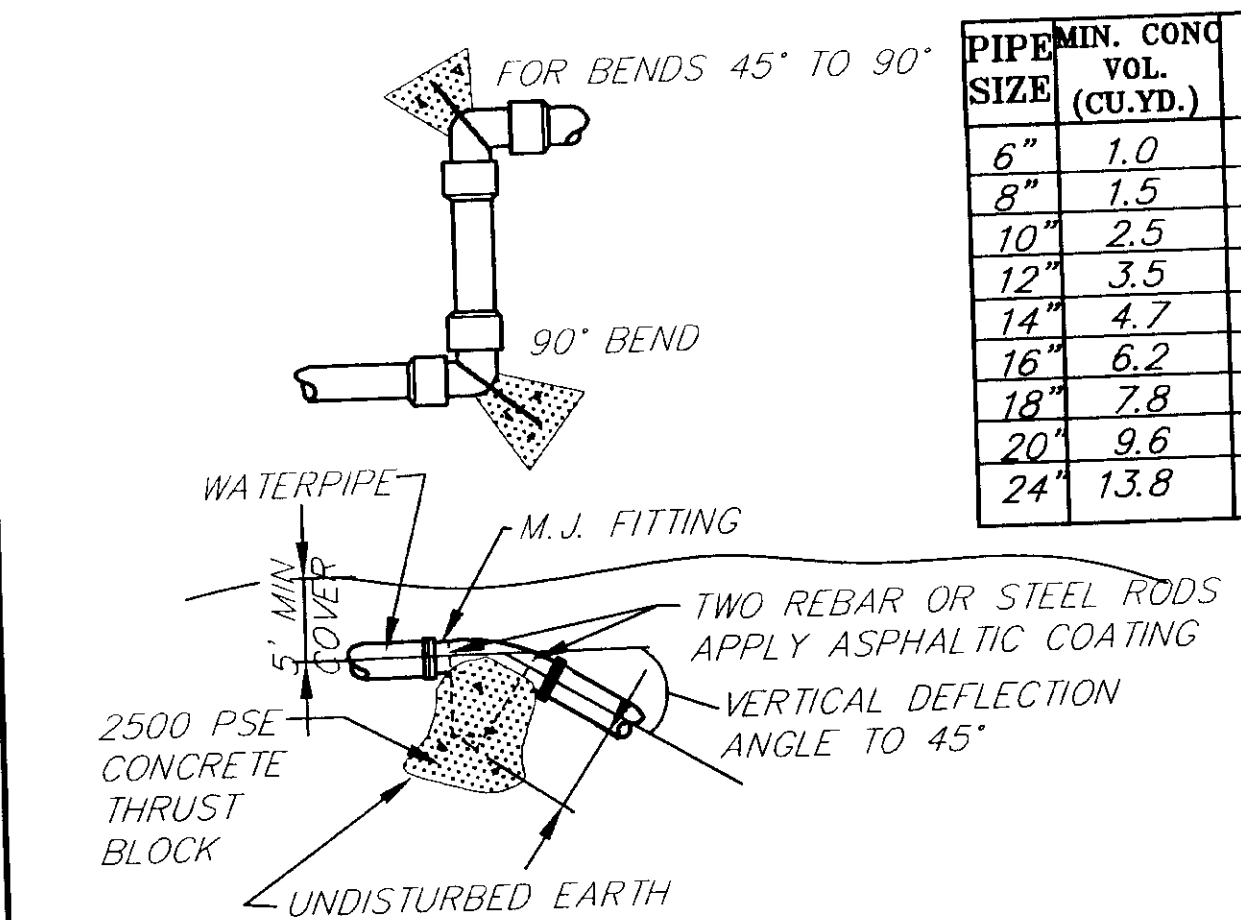
WHERE IDENTIFIED ON CONTRACT DRAWINGS OR DIRECTED BY ENGINEER, INSTALL CMP CENTERED OVER HYDRANT LEG. ACCESS PAD TO BE MIN. 7' WIDE WITH NOMINAL 2:1 SIDE SLOPES. BACKFILL ACCESS PAD WITH D-1 BASE MATERIAL. COMPACT TO 95% MAX. DENSITY. SEED SIDE SLOPES OF ACCESS PAD IN ACCORDANCE WITH STANDARD SPECIFICATIONS. DO NOT INSTALL PAD WHEN DITCH IS LESS THAN 22" DEEP. CULVERT MINIMUM THICKNESS = 0.064" (16 GA.)



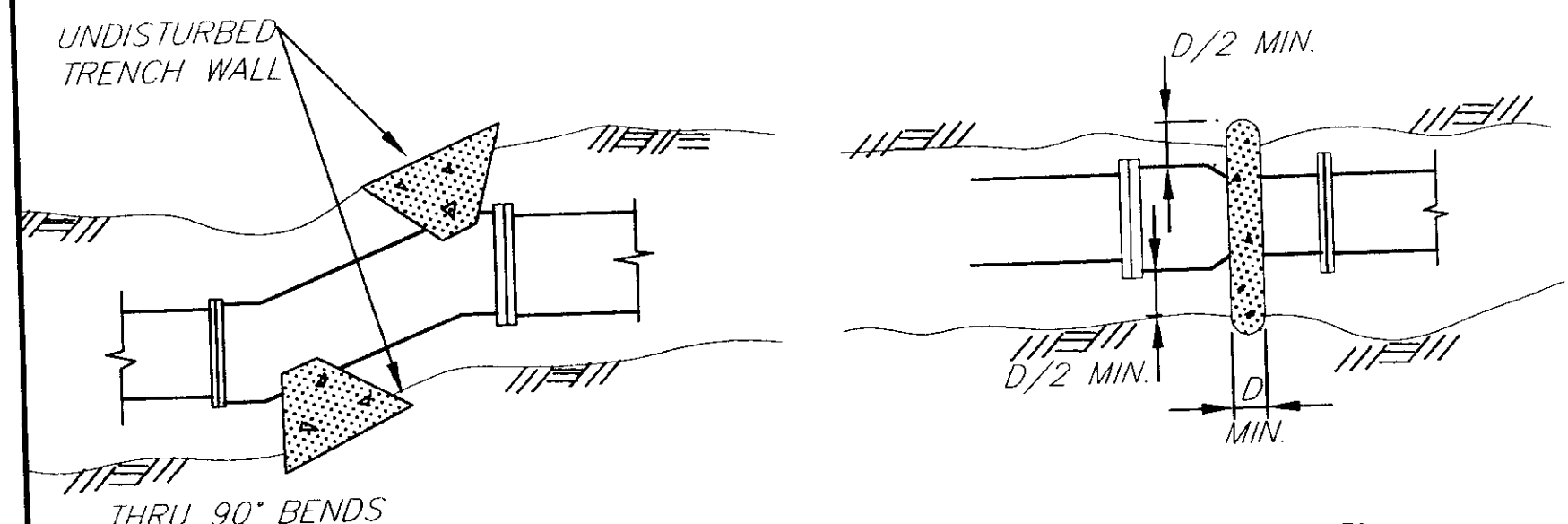
HYDRANT & ACCESS PAD



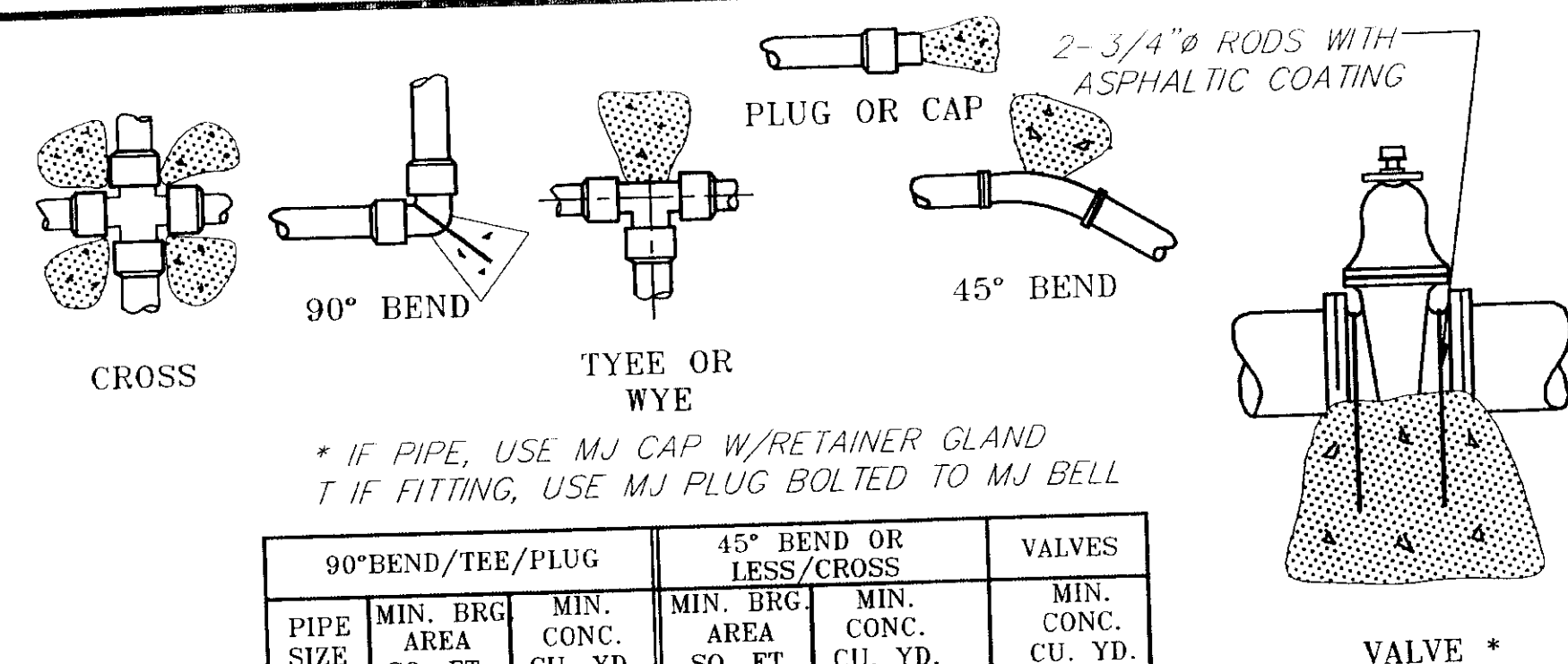
RESIDENTIAL WATER SERVICE RELOCATION



VERTICAL THRUST BLOCKS



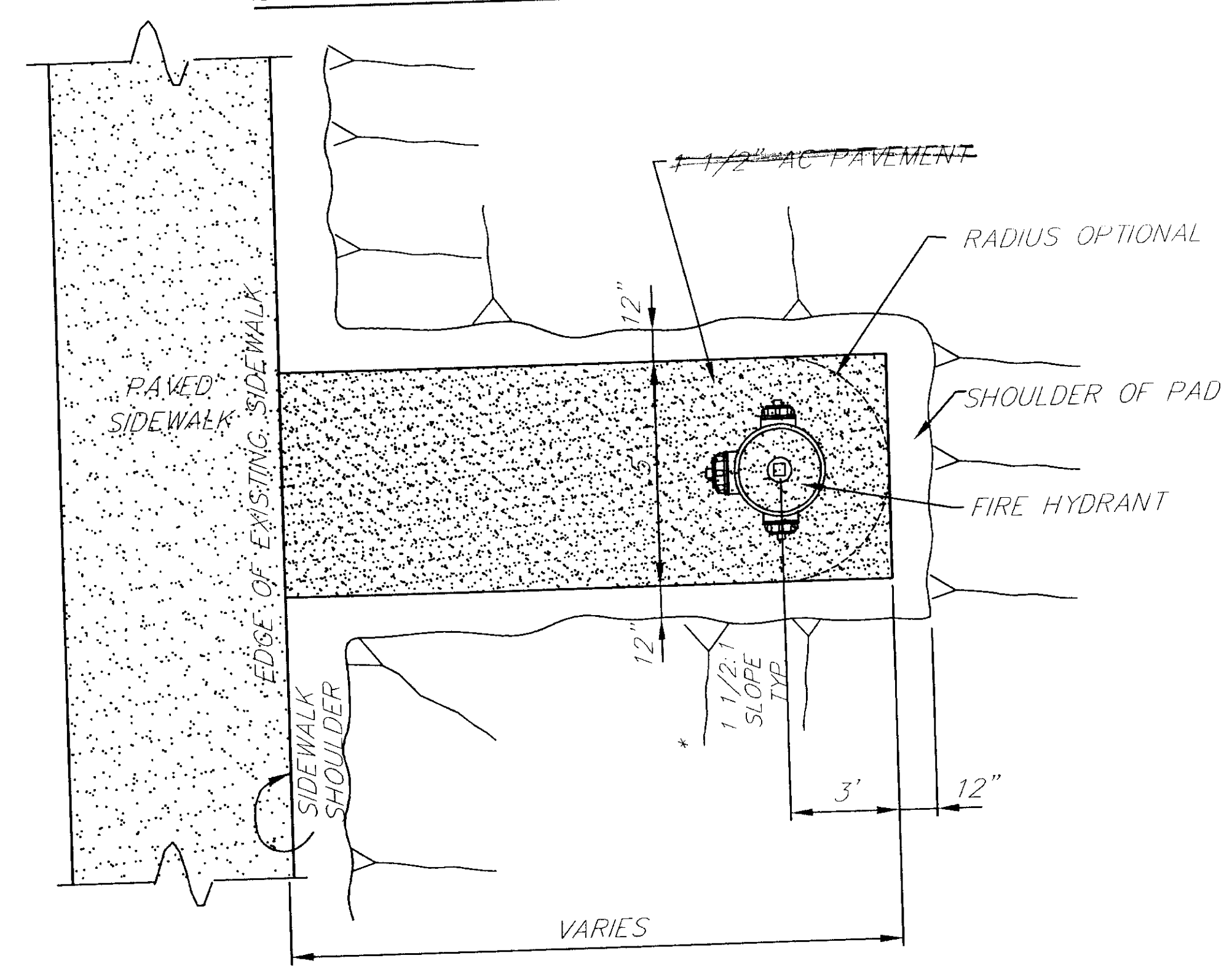
PLACEMENT OF THRUST BLOCKS



90° BEND / TEE / PLUG						45° BEND OR LESS / CROSS						VALVES	
PIPE SIZE	MIN. BRG. AREA SQ. FT.	MIN. CONC. CU. YD.	MIN. BRG. AREA SQ. FT.	MIN. CONC. CU. YD.	MIN. CONC. CU. YD.	PIPE SIZE	MIN. BRG. AREA SQ. FT.	MIN. CONC. CU. YD.	MIN. BRG. AREA SQ. FT.	MIN. CONC. CU. YD.	MIN. CONC. CU. YD.	PIPE SIZE	MIN. CONC. CU. YD.
4"	2.3	0.3	1.0	0.25	N/A	4"	2.3	0.3	1.0	0.25	N/A	4"	0.25
6"	3.0	0.3	1.6	0.25	0.25	6"	3.0	0.3	1.6	0.25	0.25	6"	0.25
8"	5.3	0.5	3.0	0.3	0.5	8"	5.3	0.5	3.0	0.3	0.5	8"	0.5
10"	8.3	0.75	4.5	0.5	0.5	10"	8.3	0.75	4.5	0.5	0.5	10"	0.5
12"	12.0	1.0	6.5	0.75	0.5	12"	12.0	1.0	6.5	0.75	0.5	12"	0.5
14"	16.5	1.0	9.0	0.75	0.75	14"	16.5	1.0	9.0	0.75	0.75	14"	0.75
16"	21.8	1.25	12.0	1.0	0.75	16"	21.8	1.25	12.0	1.0	0.75	16"	0.75
18"	27.0	1.50	15.0	1.0	1.0	18"	27.0	1.50	15.0	1.0	1.0	18"	1.0
20"	34.0	1.75	18.0	1.5	1.0	20"	34.0	1.75	18.0	1.5	1.0	20"	1.0
24"	48.0	2.0	26.3	1.5	1.0	24"	48.0	2.0	26.3	1.5	1.0	24"	1.0

HORIZONTAL THRUST BLOCKS

- NOTES**
- THRUST BLOCKS ARE REQUIRED WHENEVER PIPELINE CHANGES DIRECTION, CHANGES SIZE, DEAD ENDS, OR DEVELOPS THRUST AT VALVES.
 - VOLUME AND BEARING SURFACE OF 2500 PSI CONCR. THRUST BLOCKS, BASED ON 150 PSI PRESSURE AND SOIL BEARING CAPACITY OF 2000 PSF. ALL OTHER PRESSURE AND/OR SOIL CONDITIONS ARE SUBJECT TO ENGINEER'S REVIEW AND APPROVAL.
 - CONCRETE THRUST BLOCKING SHALL BE POURED IN PLACE BETWEEN THE FITTING AND UNDISTURBED EARTH. MATERIAL BEHIND THE THRUST BLOCKS, DEEMED INADEQUATE BY THE ENGINEER, SHALL BE REMOVED AND REPLACED BY A BALLAST MATERIAL. THE EXTENT AND QUANTITY OF REPLACEMENT MATERIAL TO BE DETERMINED BY THE ENGINEER.
 - THRUST BLOCKS SHALL BE POURED SO JOINTS OF FITTINGS REMAIN CLEAR.



PLAN VIEW

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: 0: \SKY\71835\PLANSET\HYDRANT

PLOT:

BY: DATE: DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 PROJECT NO. 71835

HYDRANT & WATER SERVICE DETAILS

ALASKA

DESIGNED BY: TRACY MOORE

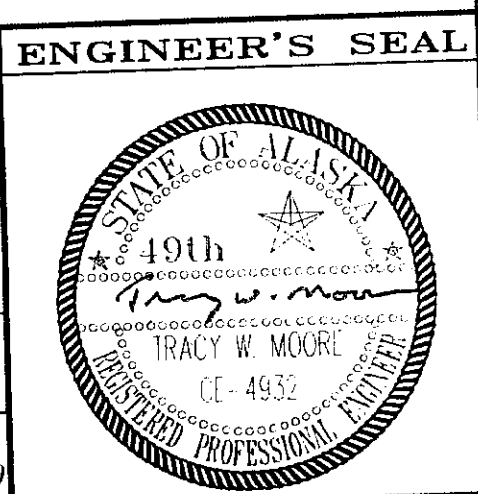
DRAWN BY: L. ROBERTSON

CHECKED BY: P. BEDNAROWICZ

PROJECT NO. 71835

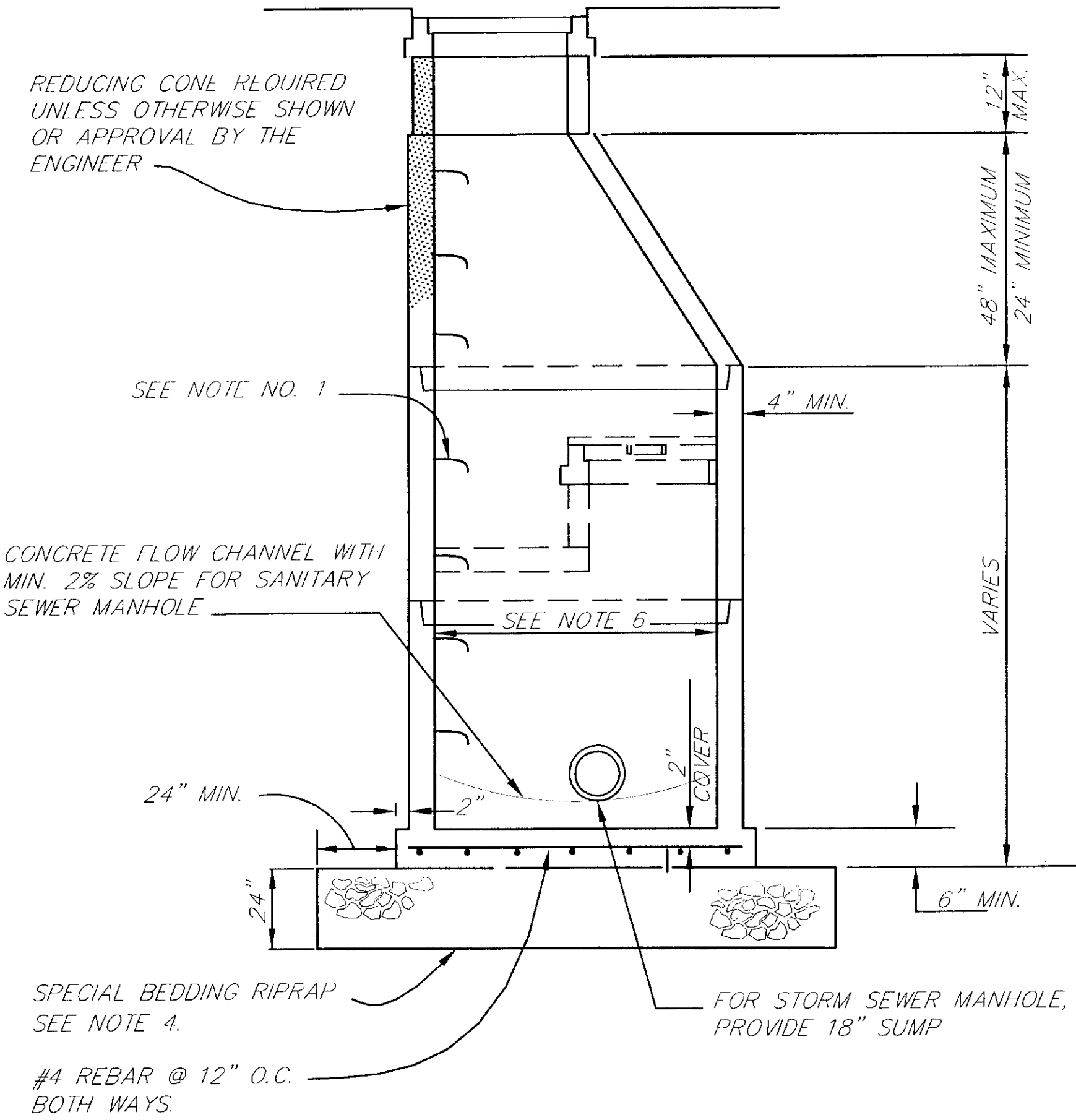
DATE: 1998

SHEET 13 OF 100



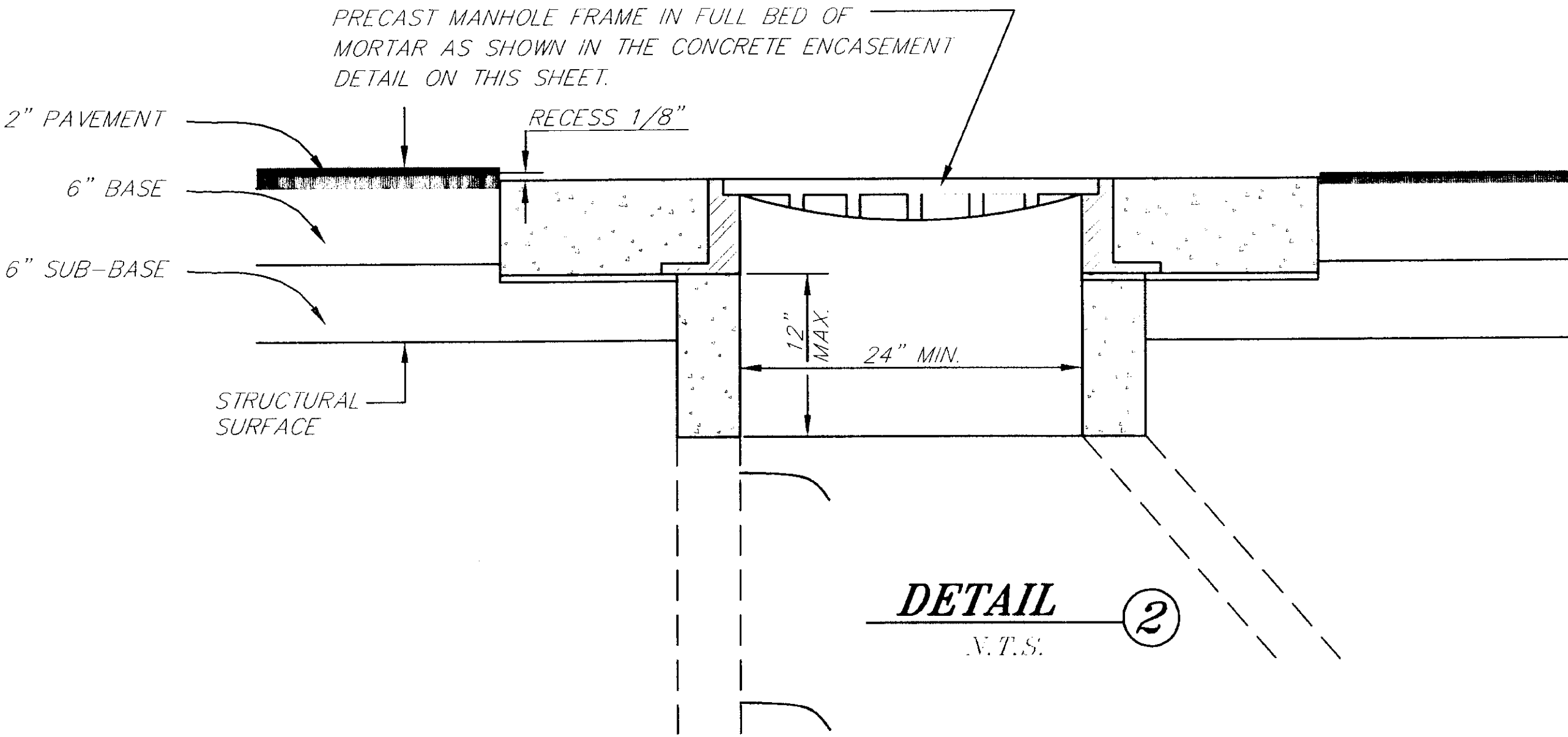
MANHOLE NOTES

1. RUNGS TO BE PLACED 12" O.C. ON UNOBSTRUCTED SIDE OF MANHOLE 18" MAXIMUM FROM BOTTOM OF MANHOLE AND 6" MAXIMUM FROM TOP OF CONE.
2. ALL PIPES TO EXTEND 2" INTO MANHOLE.
3. BLOCKOUTS TO BE FORMED.
4. SPECIAL BEDDING RIPRAP, CLASS I (NO ROUND ROCK) REQUIRED FOR ALL MANHOLES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IF SPECIAL BEDDING IS NOT REQUIRED, USE 24" MINIMUM DEPTH OF 1" MINUS WASHED ROCK. EXISTING SOILS OR OTHER GRANULAR MATERIALS MAY BE USED IF APPROVED BY THE ENGINEER AND COMPACTED TO 95% OF MAXIMUM DENSITY.



CONCRETE MANHOLE DETAIL 4

N.T.S.



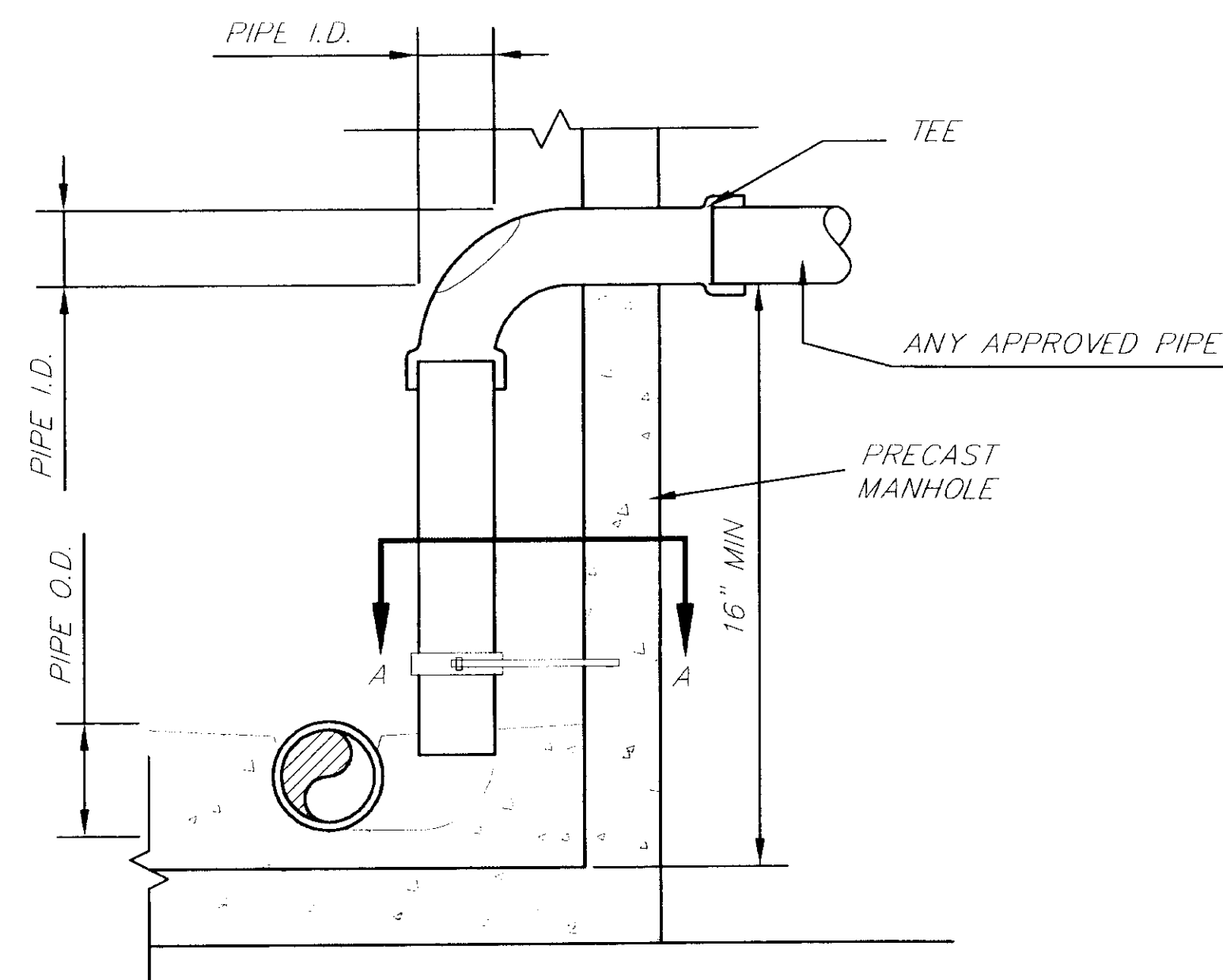
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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PLOT: Q:\-LIB\ -PLOT\ PLOT.FPCP(1) OR PLOT.H.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:

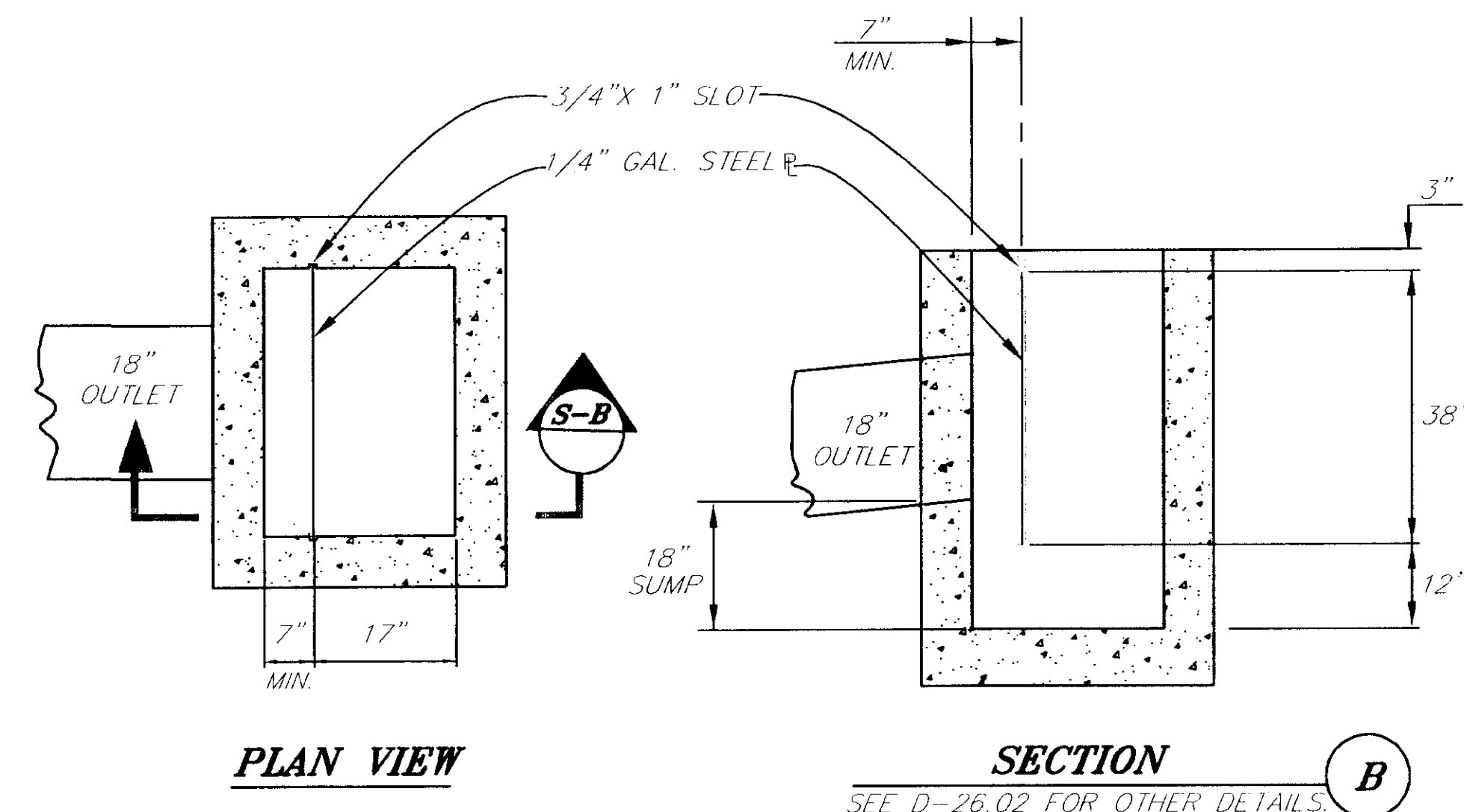
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	SKAGWAY
	SKAGWAY AIRPORT IMPROVEMENTS
	AIP. 3-02-0270-0399 PROJECT NO. 71835
	MISCELLANEOUS DETAILS

ALASKA	DESIGNED BY: D. SALDIVAR	PROJECT NO. 71835
	DRAWN BY: L. ROBERTSON	DATE: 1998
	CHECKED BY: T.W. MOORE	SHEET 14 OF 100



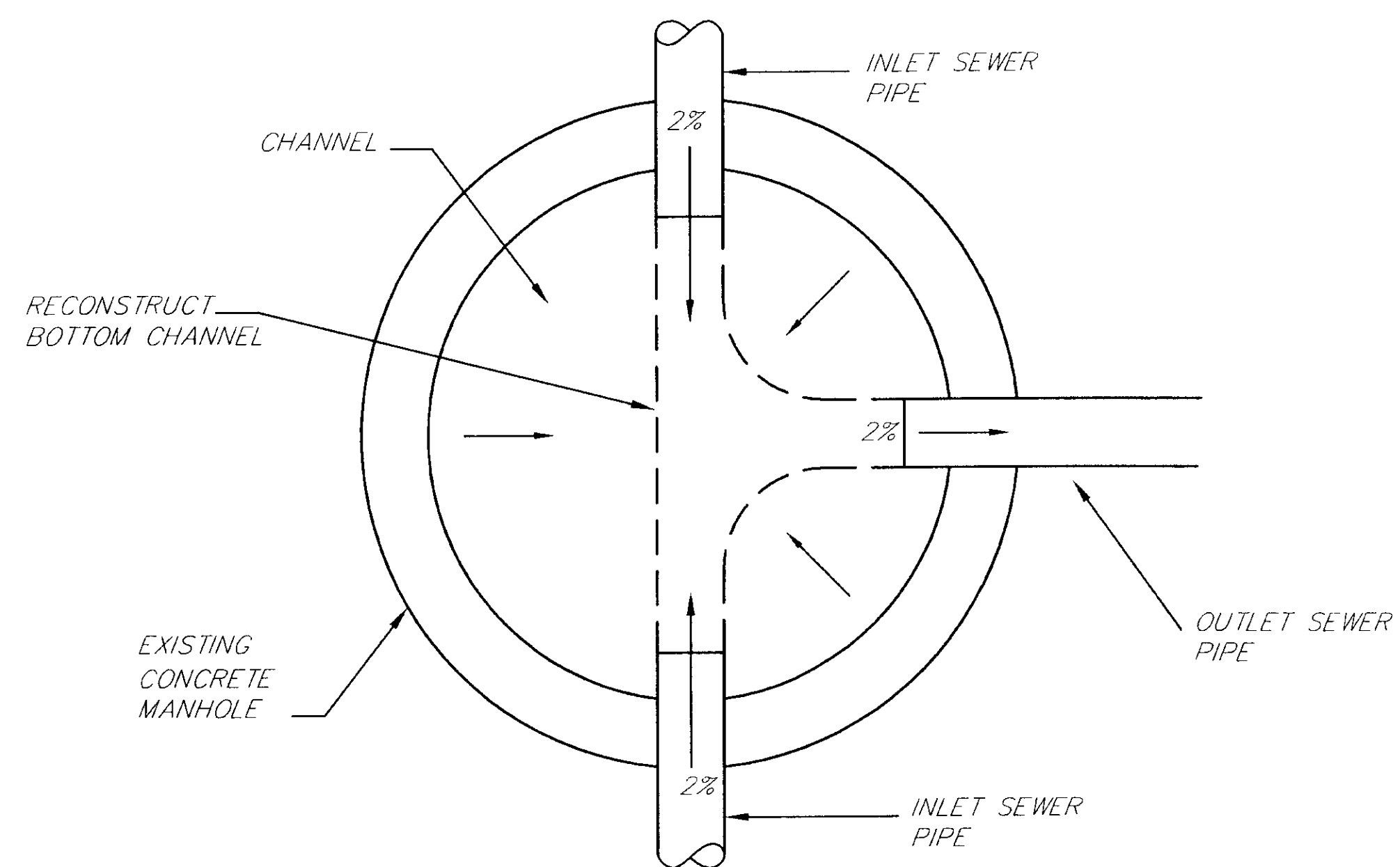


**DROP MANHOLE
ELEVATION VIEW**

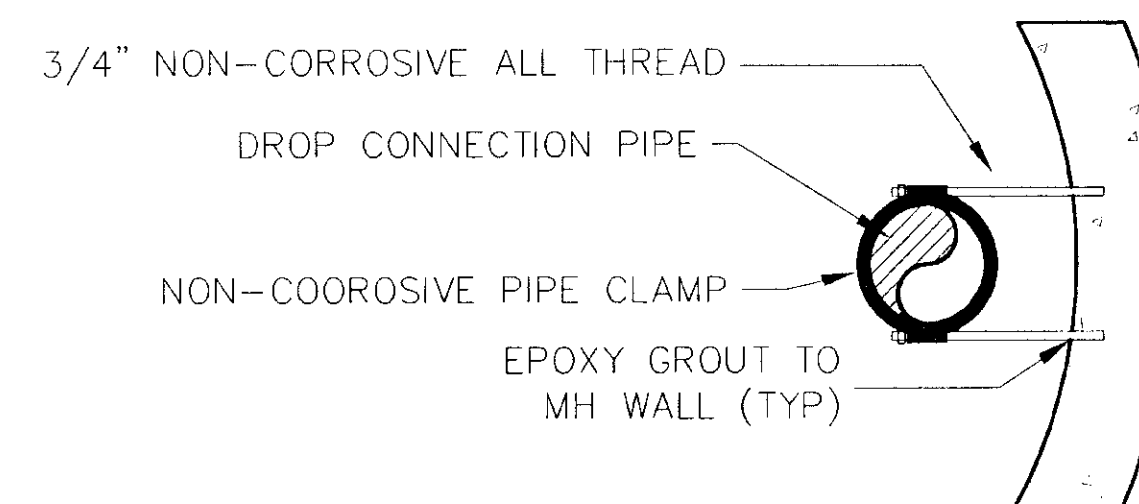


**INLET TYPE C
OIL/WATER SEPERATOR**

N.T.S.



PLAN-BASE FLOW CHANNELS



SECTION A-A

NOTES:

1. ALL OTHER ASPECTS OF MANHOLE CONSTRUCTION SHALL CONFORM WITH SECTION 627.
2. DROP CONNECTIONS ARE REQUIRED WHEN INFLOW INVERT ELEVATION IS 16 INCHES OR MORE ABOVE THE OUTLET ELEVATION. WHERE INVERT ELEVATIONS ARE LESS THAN 16 INCHES OR MORE APART A CHANNELIZED INVERT SHALL BE FORMED TO A MAXIMUM OF ONE INFLOW PIPE DIAMETER BELOW THE INFLOW PIPE INVERT.
3. PIPE SUPPORTS SHALL BE INSTALLED 3'-0" ON CENTER ON THE VERTICAL DROP PIPE.
4. A HOLE SHALL BE CUT IN THE 90°BEND THAT ALLOWS FULL PIPE DIAMETER ACCESS TO BOTH THE VERTICAL AND HORIZONTAL PIPES IN THE DROP CONNECTION
5. DROP PIPING SHALL BE THE SAME SIZE AS INTERCEPTED SEWER.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q: \SKG\71835\PLANSET\ -MISDET9		
PLOT: Q: \-LIB\ -PLOT\ PLOT.PCP(1) OR PLOT.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

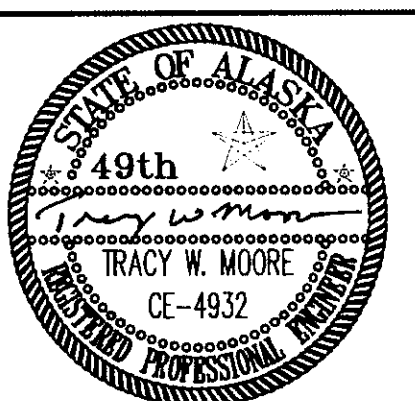
SKAGWAY

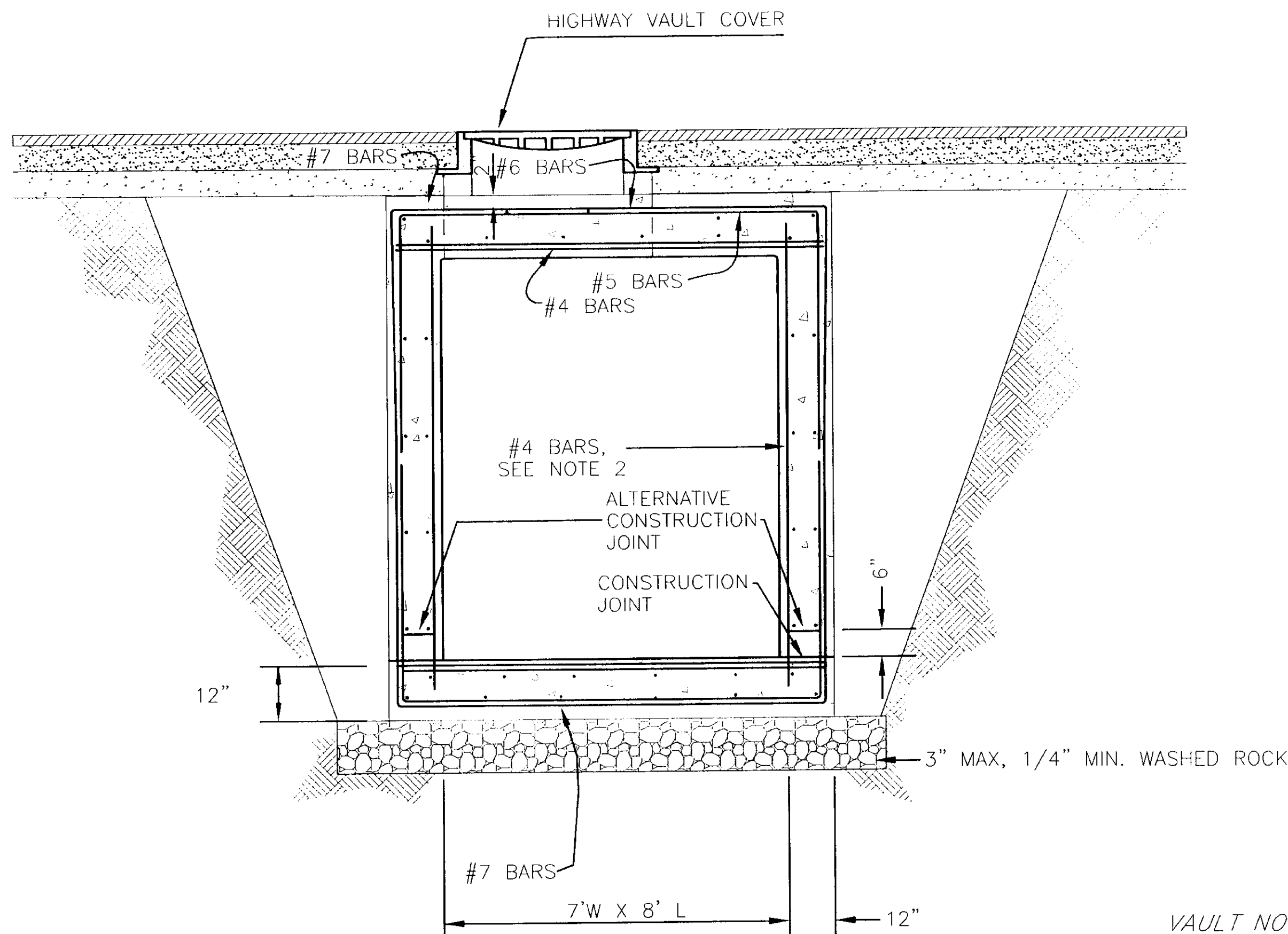
SKAGWAY AIRPORT IMPROVEMENTS
AIP. 3-02-0270-0399 PROJECT NO. 71835

MISCELLANEOUS DETAILS

ALASKA

DESIGNED BY: P. BEDNAROWICZ	PROJECT NO. 71835
DRAWN BY: L. ROBERTSON	DATE: 1998
CHECKED BY: T.W. MOORE	SHEET 15 OF 100





TYPICAL SECTION

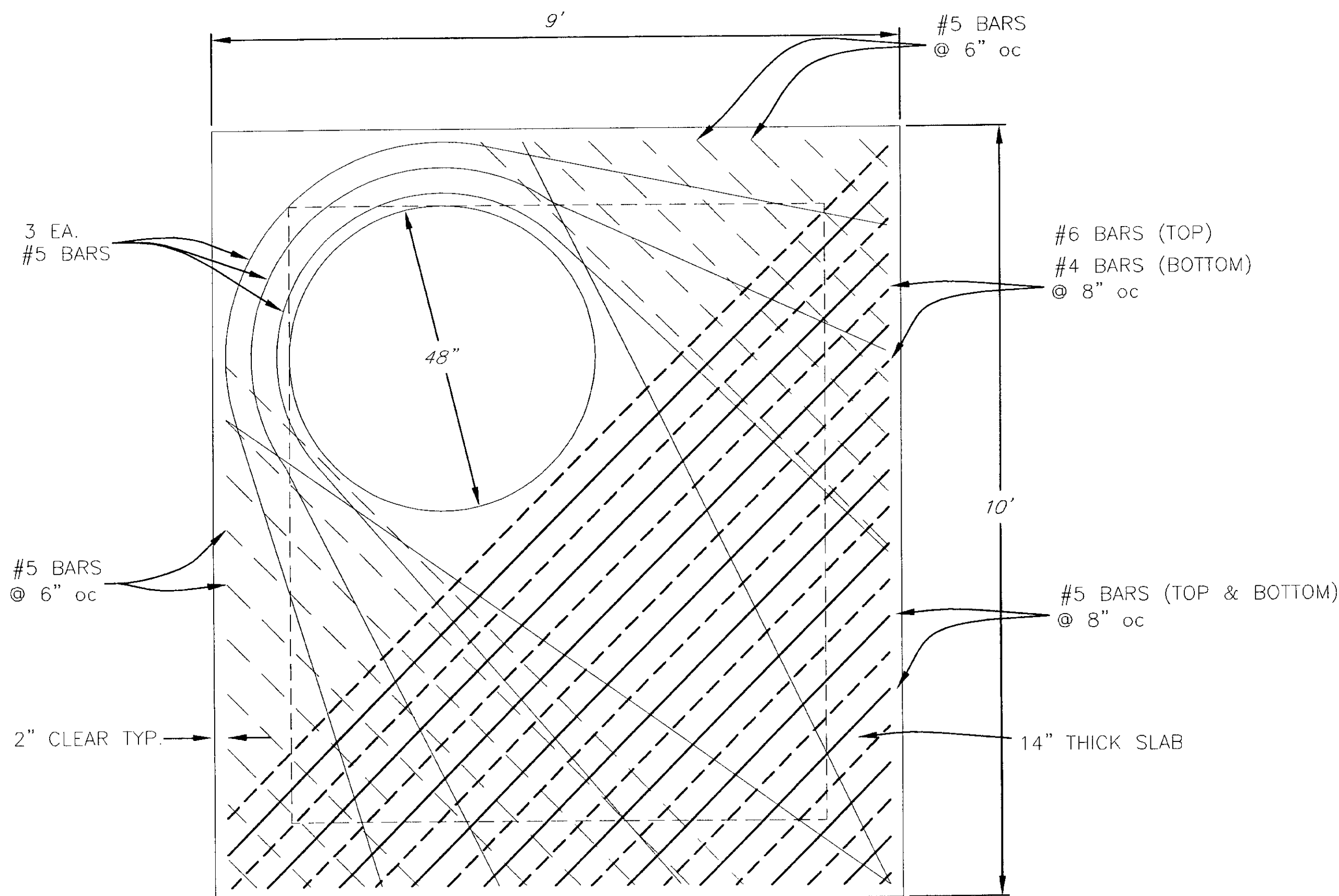
VAULT

VAULT NOTES:

- EACH VAULT WILL BE COMPLETE WITH:
 1 EA. - 6" GRADE RINGS
 1 EA. - BOLT-ON LADDER
 1 EA. - CAST IRON FRAME & COVER
 TYPE 4210 MARKED "FUEL"

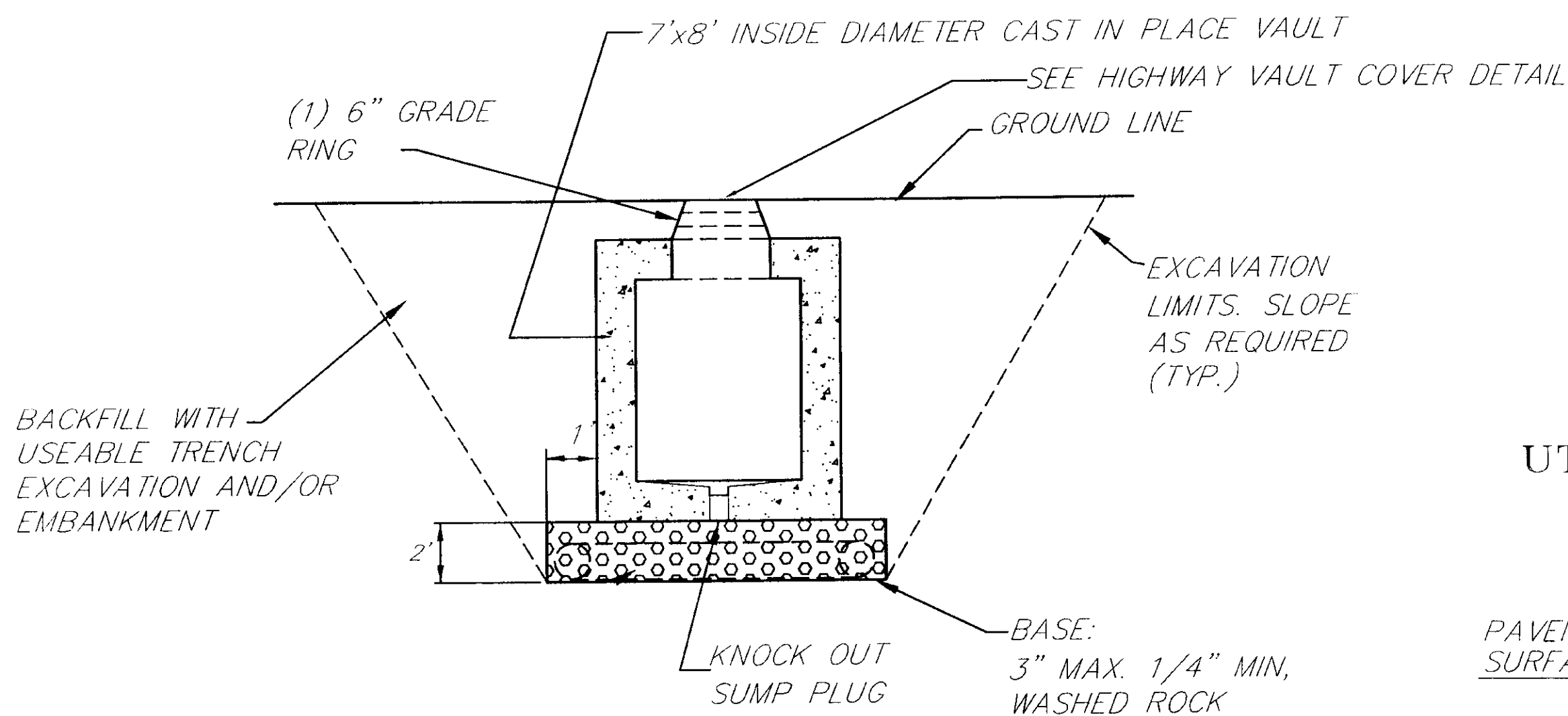
NOTES:

1. IT IS PERMISSABLE TO ELIMINATE THE 180° HOOKS ON EVERY OTHER #4 BAR.
2. #4 BARS ARE AT HALF SPACING.
3. THE ROOF SECTION DETAILED HERE REFLECTS THE DIMENSIONS AT THE PIPE ENDS.
ADJUST AS REQUIRED TO OBTAIN THE 2% CROWN AS DETAILED IN THE PROFILE SHEET.



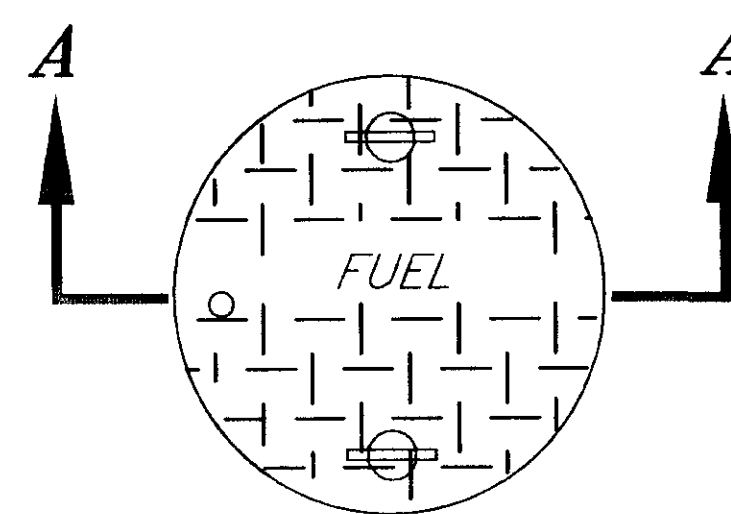
TOP VIEW

VAULT

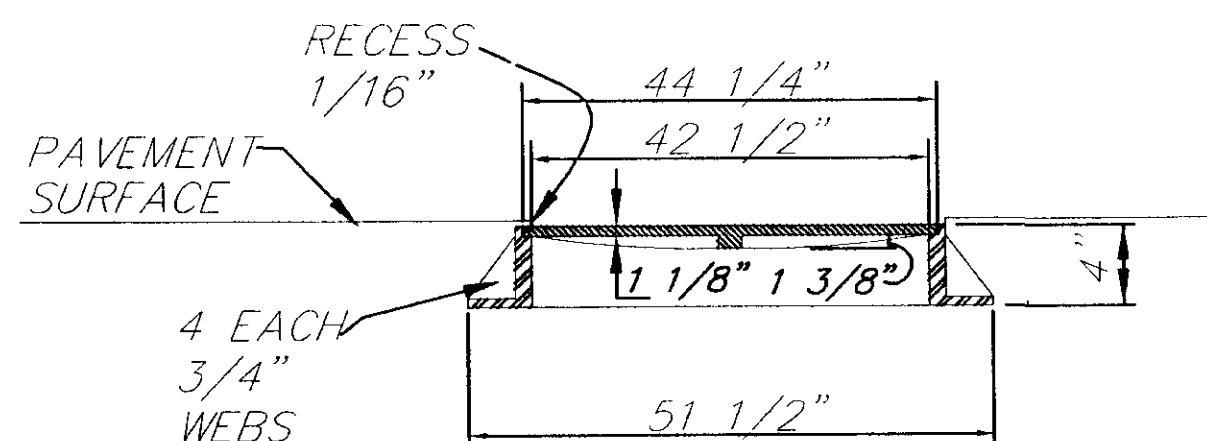


VAULT EXCAVATION DETAIL

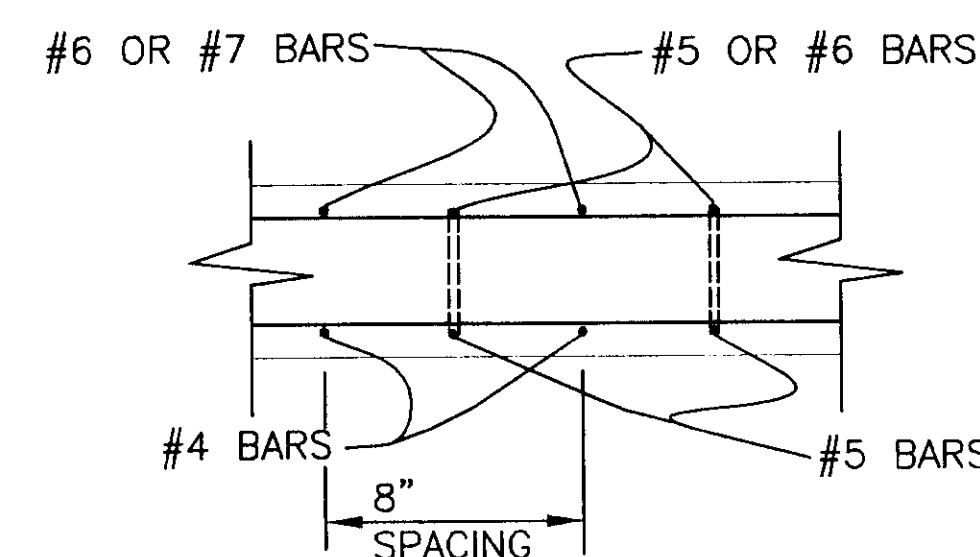
(FUEL)



UTILITY VAULT 4210-S OR EQUAL

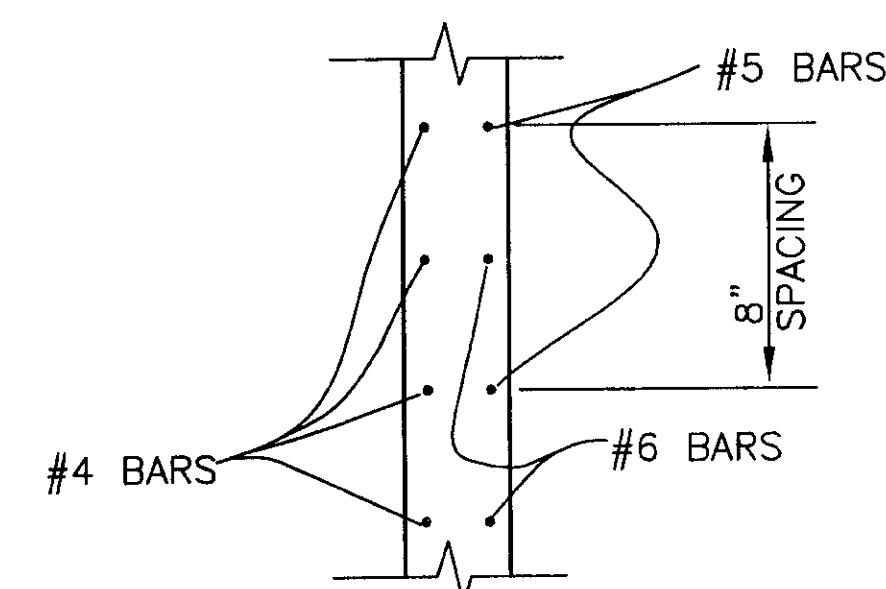


HIGHWAY VAULT COVER



ROOF SECTION

VAULT



EXTERIOR WALL SECTION

VAULT

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

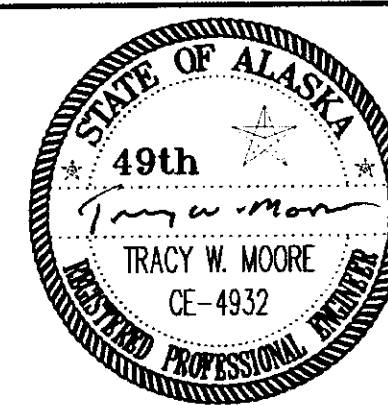
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

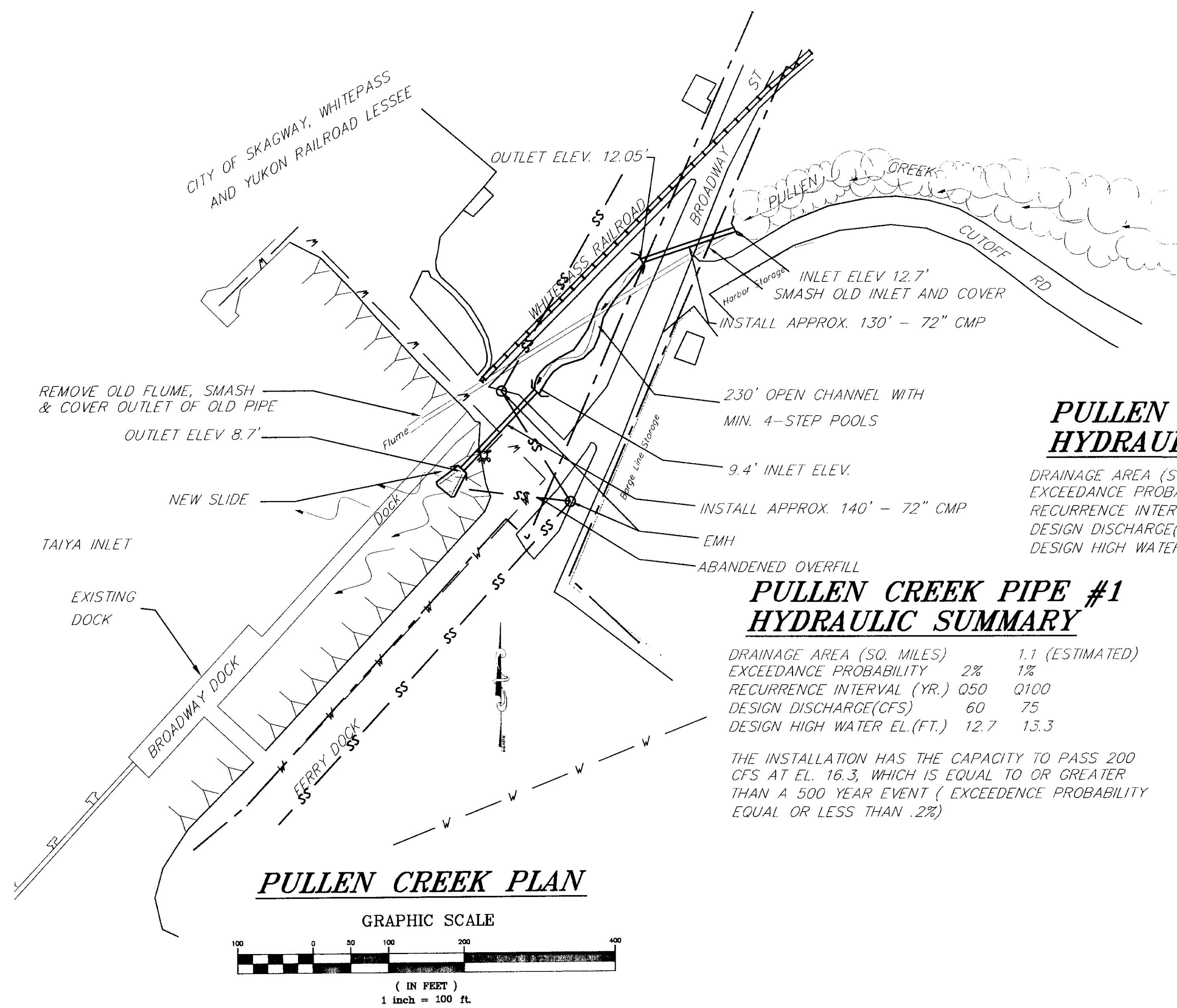
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY **SKAGWAY AIRPORT IMPROVEMENTS**
 FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

VAULT DETAILS

DESIGNED BY:	PROJECT NO.
P. BEDNAROWICZ	71835
DRAWN BY:	DATE:
L. Robertson	1998
CHECKED BY:	SHEET 16 OF 100
P. BEDNAROWICZ	





PULLEN CREEK PIPE #2 HYDRAULIC SUMMARY

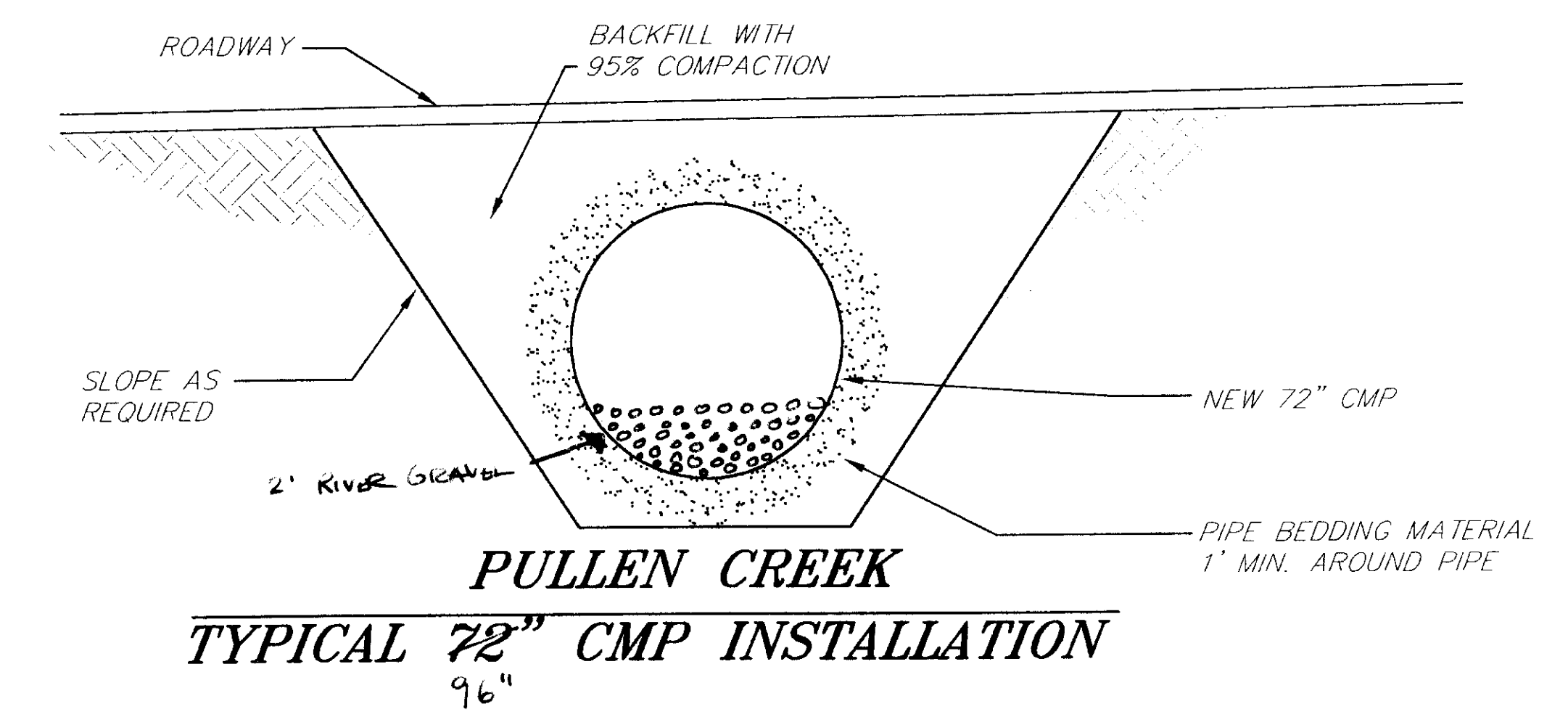
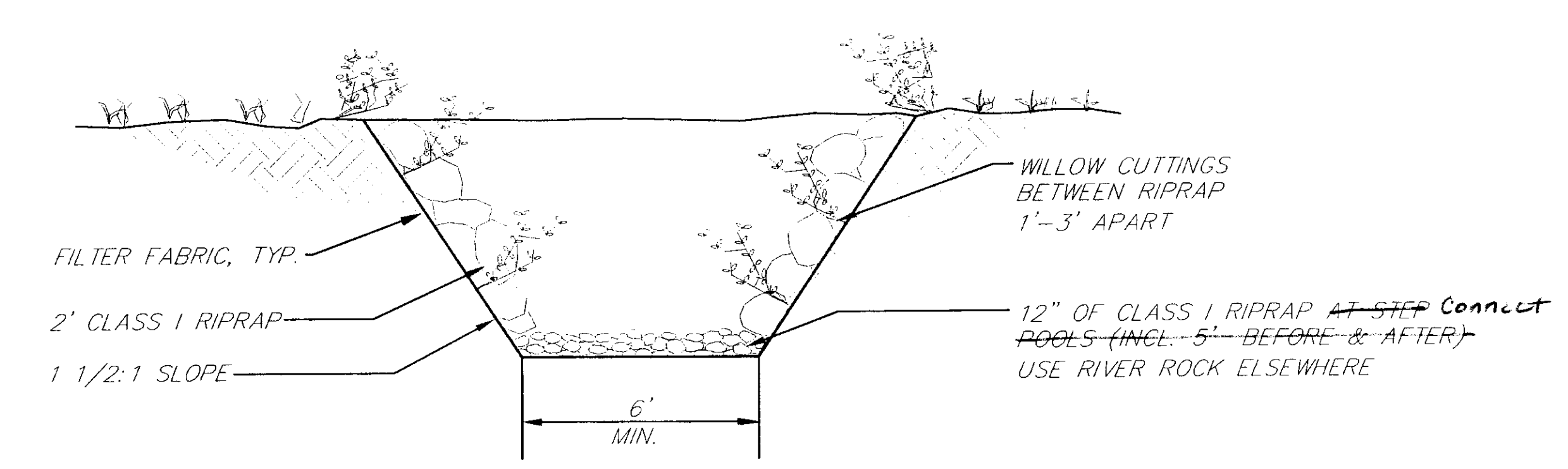
DRAINAGE AREA (SQ. MILES)	1.1 (ESTIMATED)
EXCEEDANCE PROBABILITY	2% 1%
RECURRENCE INTERVAL (YR.)	Q50 Q100
DESIGN DISCHARGE(CFS)	60 75
DESIGN HIGH WATER EL.(FT.)	15.9 16.5

THE INSTALLATION HAS THE CAPACITY TO PASS 200 CFS AT EL. 19.6, WHICH IS EQUAL TO OR GREATER THAN A 500 YEAR EVENT (EXCEEDENCE PROBABILITY EQUAL OR LESS THAN .2%)

PULLEN CREEK PIPE #1 HYDRAULIC SUMMARY

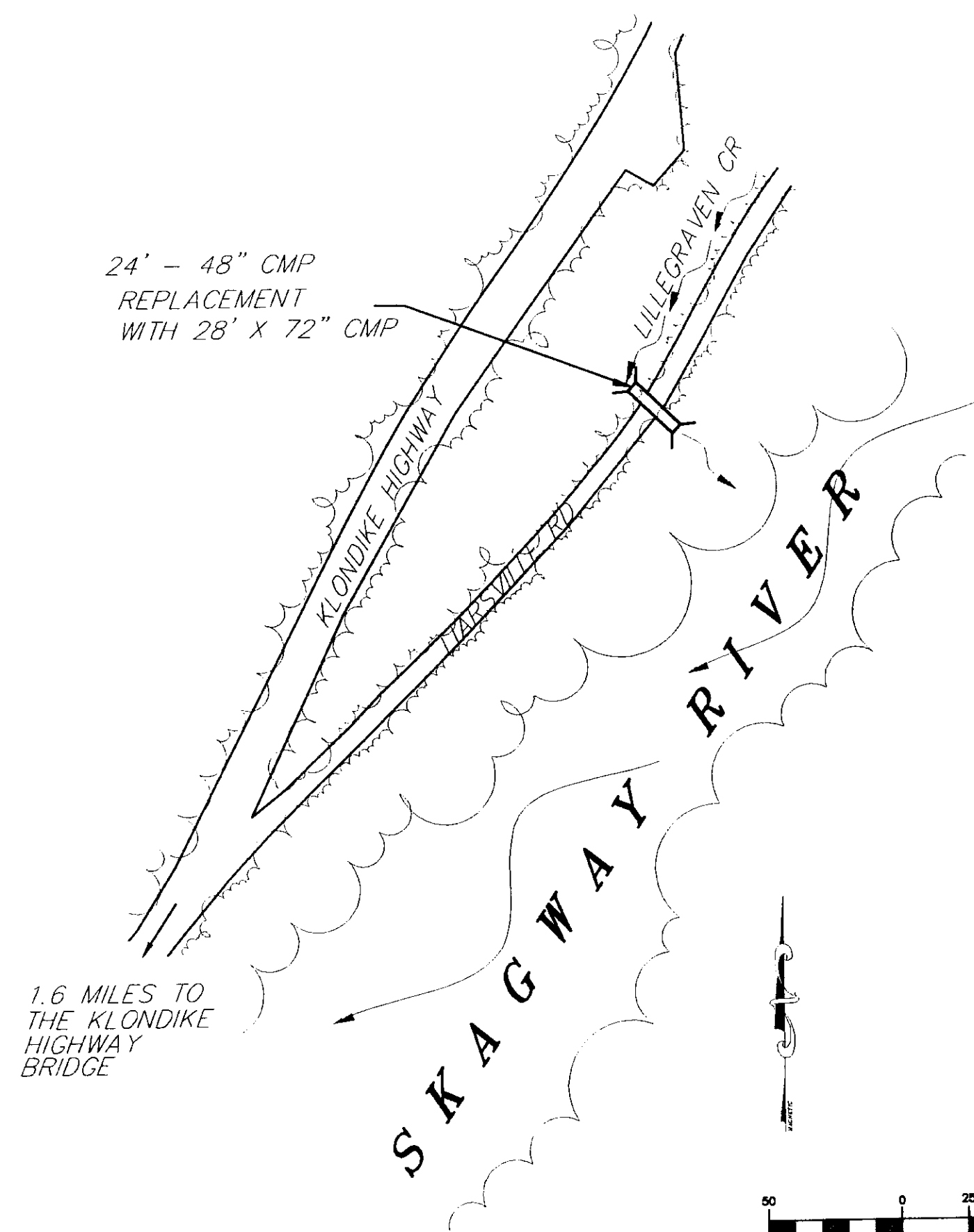
DRAINAGE AREA (SQ. MILES)	1.1 (ESTIMATED)
EXCEEDANCE PROBABILITY	2% 1%
RECURRENCE INTERVAL (YR.)	Q50 Q100
DESIGN DISCHARGE(CFS)	60 75
DESIGN HIGH WATER EL.(FT.)	12.7 13.3

THE INSTALLATION HAS THE CAPACITY TO PASS 200 CFS AT EL. 16.3, WHICH IS EQUAL TO OR GREATER THAN A 500 YEAR EVENT (EXCEEDENCE PROBABILITY EQUAL OR LESS THAN .2%)



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

RECORD OF REVISIONS			STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION			SKAGWAY SKAGWAY AIRPORT IMPROVEMENTS FED. NO. 3-02-0270-0399 ~ PROJECT NO. 71835 LILLEGRAVEN & PULLEN CREEK PLANS			ALASKA DESIGNED BY: P. BEDNAROWICZ DRAWN BY: P. JONES CHECKED BY: T. MOORE			PROJECT NO. 71835 DATE: 1998 SHEET 11 OF 100			
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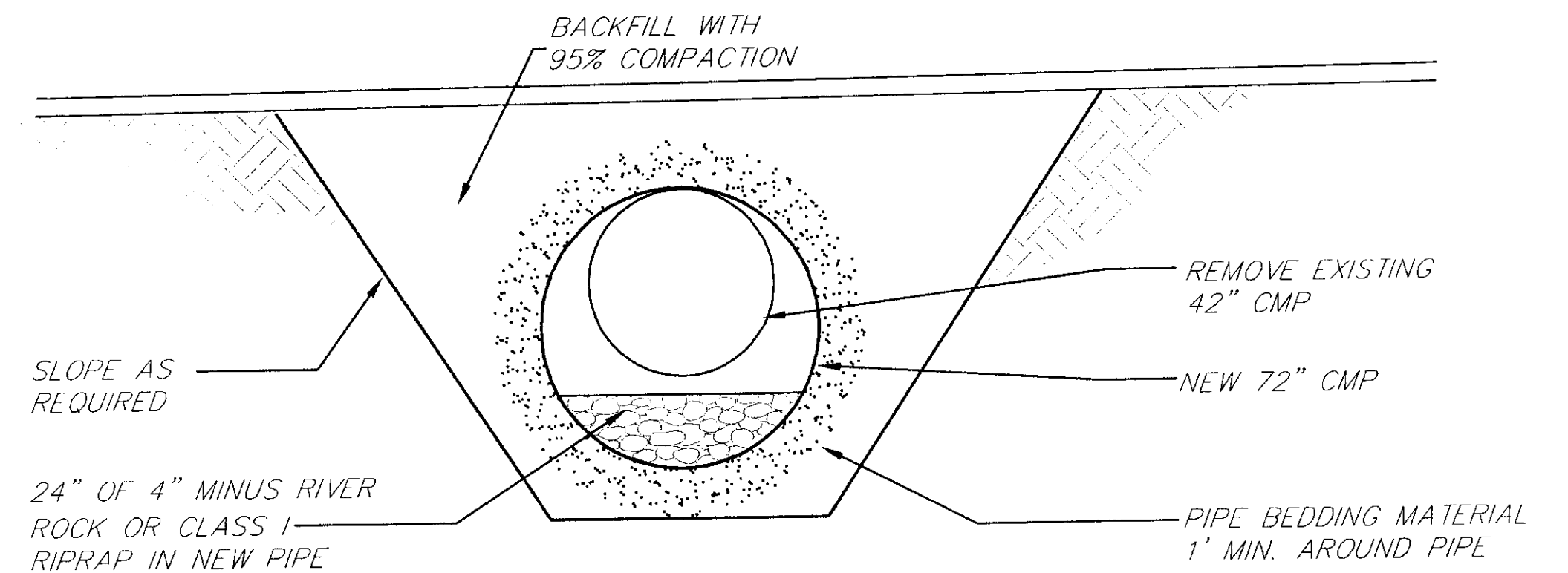
LILLEGRAVEN CREEK PLAN

**LILLEGRAVEN CREEK PIPE
HYDRAULIC SUMMARY**

DRAINAGE AREA (SQ. MILES)	1.0 (ESTIMATED)
EXCEEDANCE PROBABILITY	2% 1%
RECURRENCE INTERVAL (YR.)	Q50 Q100
DESIGN DISCHARGE(CFS)	50 75
*DESIGN HIGH WATER EL.(FT.)	2.8 3.6

THE INSTALLATION HAS THE CAPACITY TO PASS 210 CFS AT EL. 7.0 *, WHICH IS EQUAL TO OR GREATER THAN A 500 YEAR EVENT (EXCEEDENCE PROBABILITY EQUAL OR LESS THAN .2%)

* ABOVE STREAMBED



**LILLEGRAVEN CREEK @ LIARSVILLE ROAD
TYPICAL 48" CMP REPLACEMENT**

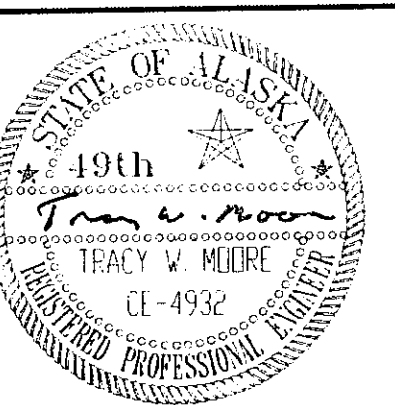
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

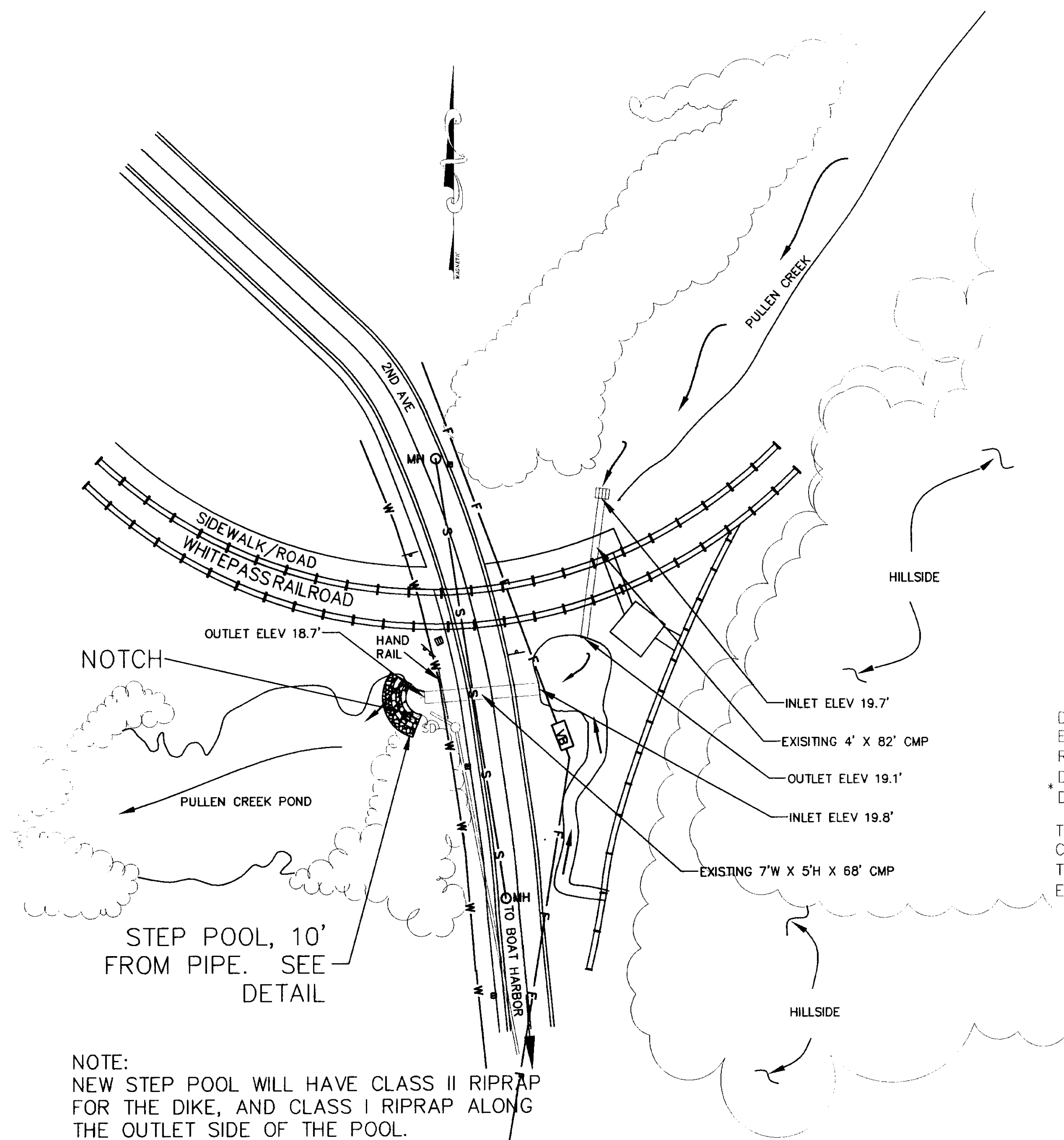
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 ~ PROJECT NO. 71835
ALASKA
LILLEGRAVEN & PULLEN CREEK PLANS

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY:	P. BEDNAROWICZ	PROJECT NO.	71835
DRAWN BY:	P. JONES	DATE:	1998
CHECKED BY:	T. MOORE	SHEET	J2 OF 100



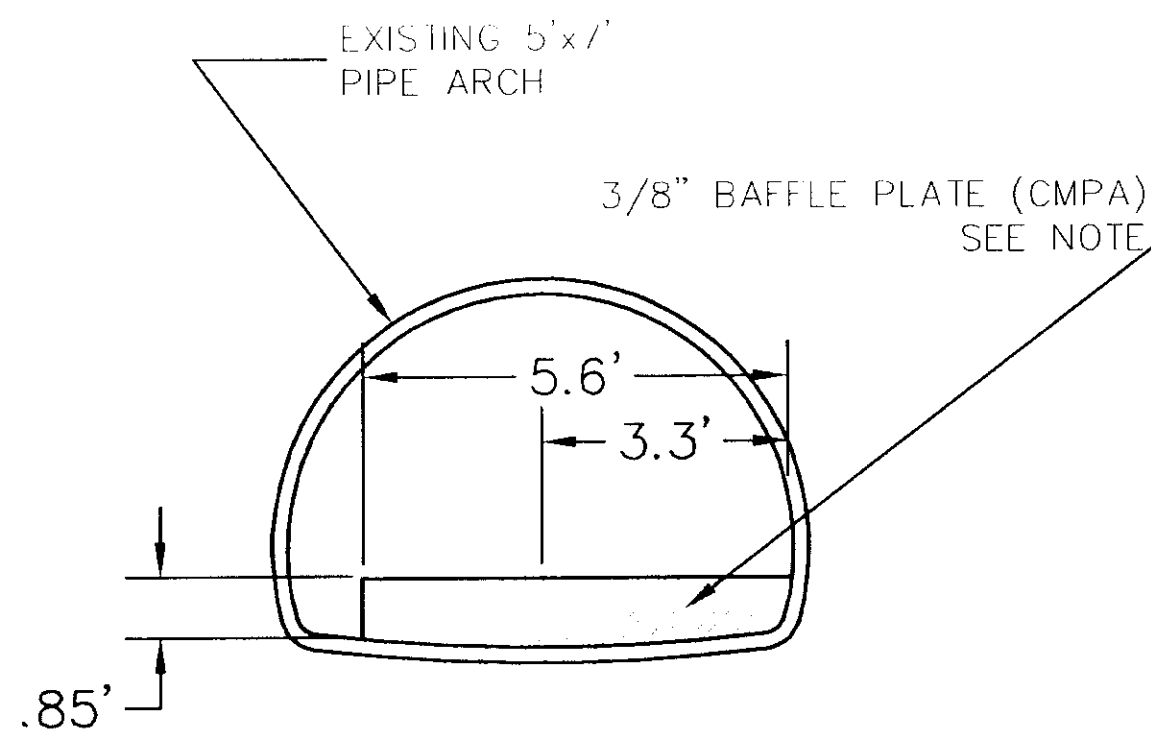


PULLEN CREEK POND PLAN

**PULLEN CREEK PIPE
(7' X 5')
HYDRAULIC SUMMARY**

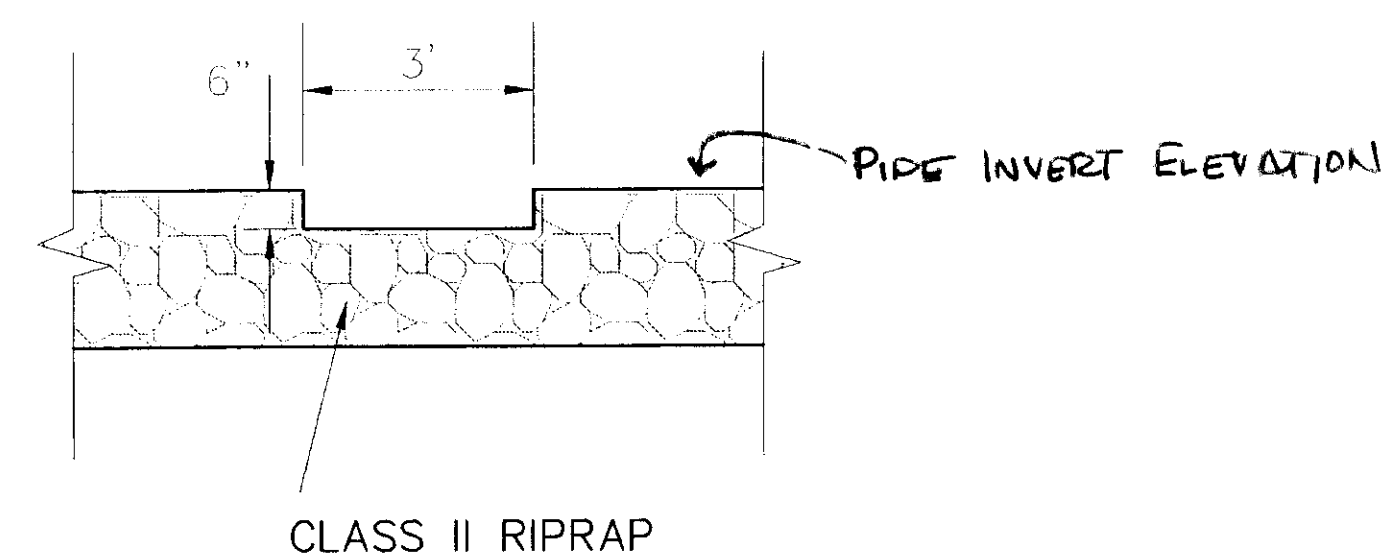
DRAINAGE AREA (SQ. MILES)	1.1 (ESTIMATED)
EXCEEDANCE PROBABILITY	2% 1%
RECURRENCE INTERVAL (YR.)	Q50 Q100
DESIGN DISCHARGE(CFS)	60 75
*DESIGN HIGH WATER EL.(FT.)	23.9 24.9

THE INSTALLATION HAS THE CAPACITY TO PASS 200 CFS AT EL. 34.3,* WHICH IS EQUAL TO OR GREATER THAN A 500 YEAR EVENT (EXCEEDENCE PROBABILITY EQUAL OR LESS THAN .2%)



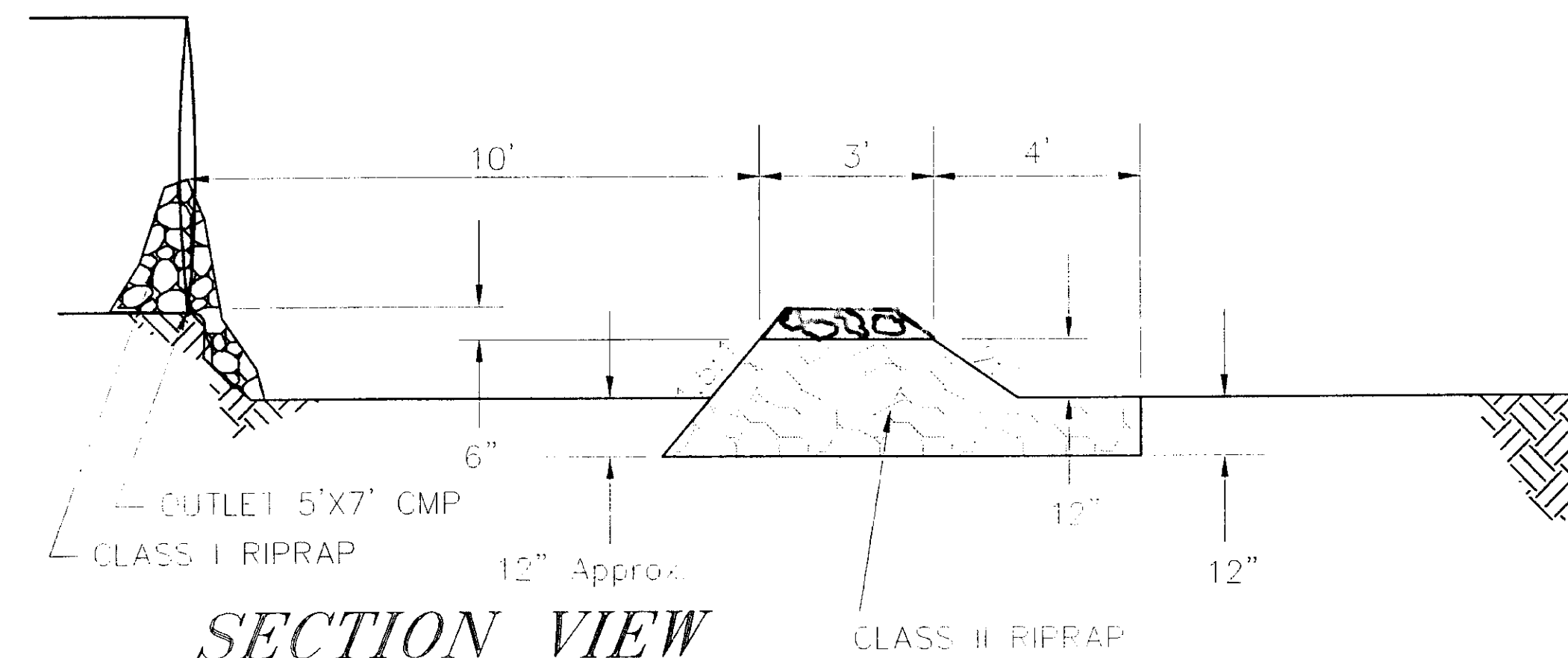
BAFFLE PIPE DETAILS

- NOTE:
1. INSTALL 4 BAFFLE PLATES WITH 15 FEET SPACING STARTING 15 FEET FROM THE OUTLET END OF THE CMPA.
 2. Q(FISH) IS 18 CFS. HOWEVER, DUE TO DIVERSION THROUGH THE UPSTREAM POWER PLANT FOR GENERATION PURPOSES THE FLOW FOR A Q(FISH) IS ESTIMATED TO INCREASE TO 50 CFS BECAUSE OF POWER NEEDS DURING IRRIGATION PERIODS.
 3. BAFFLES SHALL BE CUT FROM 3/8" STEEL PLATE AND BE WELDED TO THE BOTTOM AND ONE SIDE OF CHANNEL. ALTERNATE BAFFLE OPENING FROM SIDE TO SIDE.



NOTCH DETAIL

SEE SECTION VIEW FOR LOCATION



SECTION VIEW

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH:	Q: \SCY\71835\PLANSET\ - PULCREEK	
PLOT:	Q: \-LIB\ -PLOT\ PLOT1.PCP(1) OR PLOT1.PCP(2)	
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

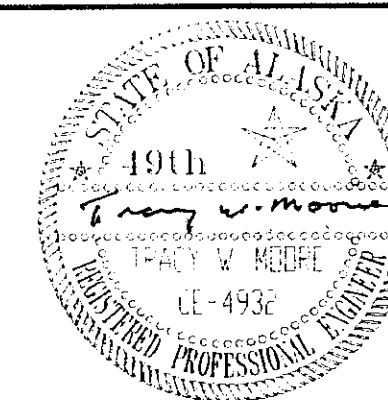
SKAGWAY

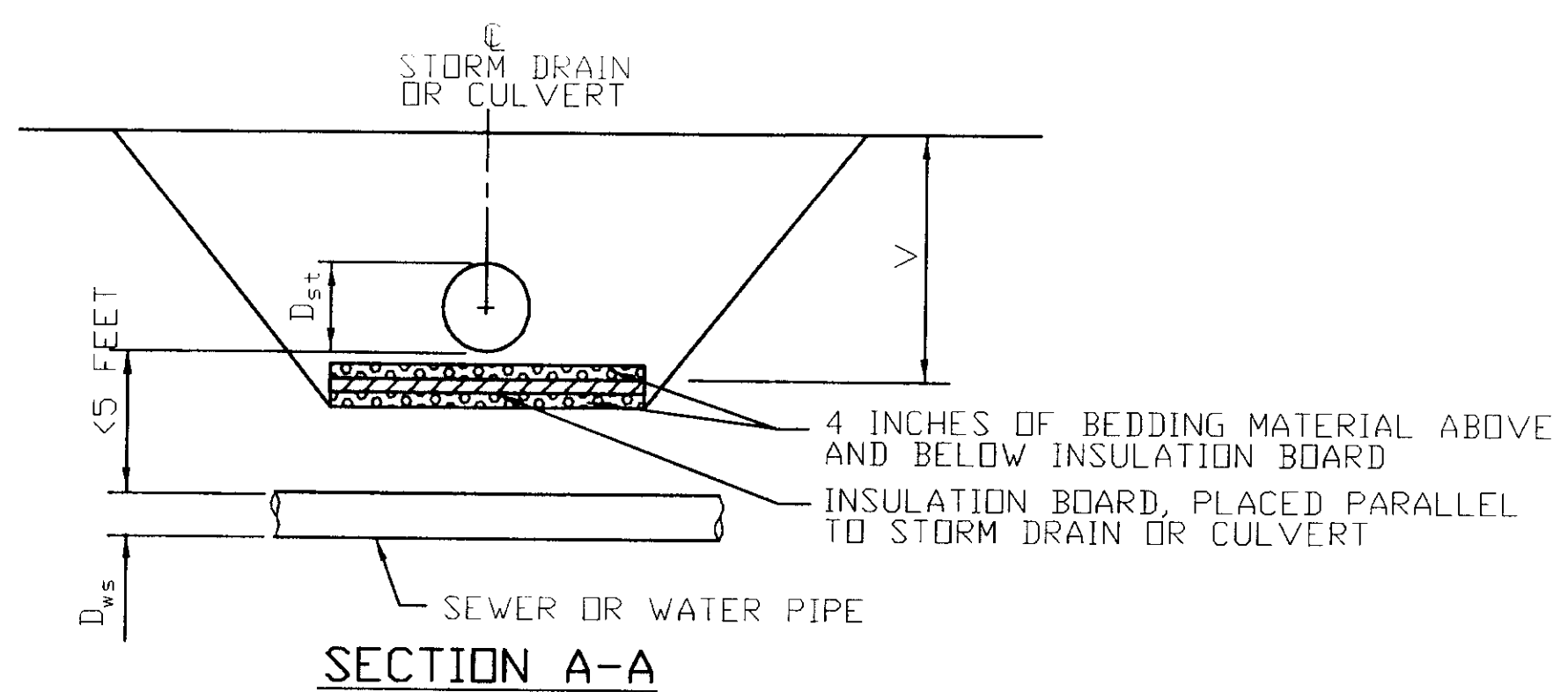
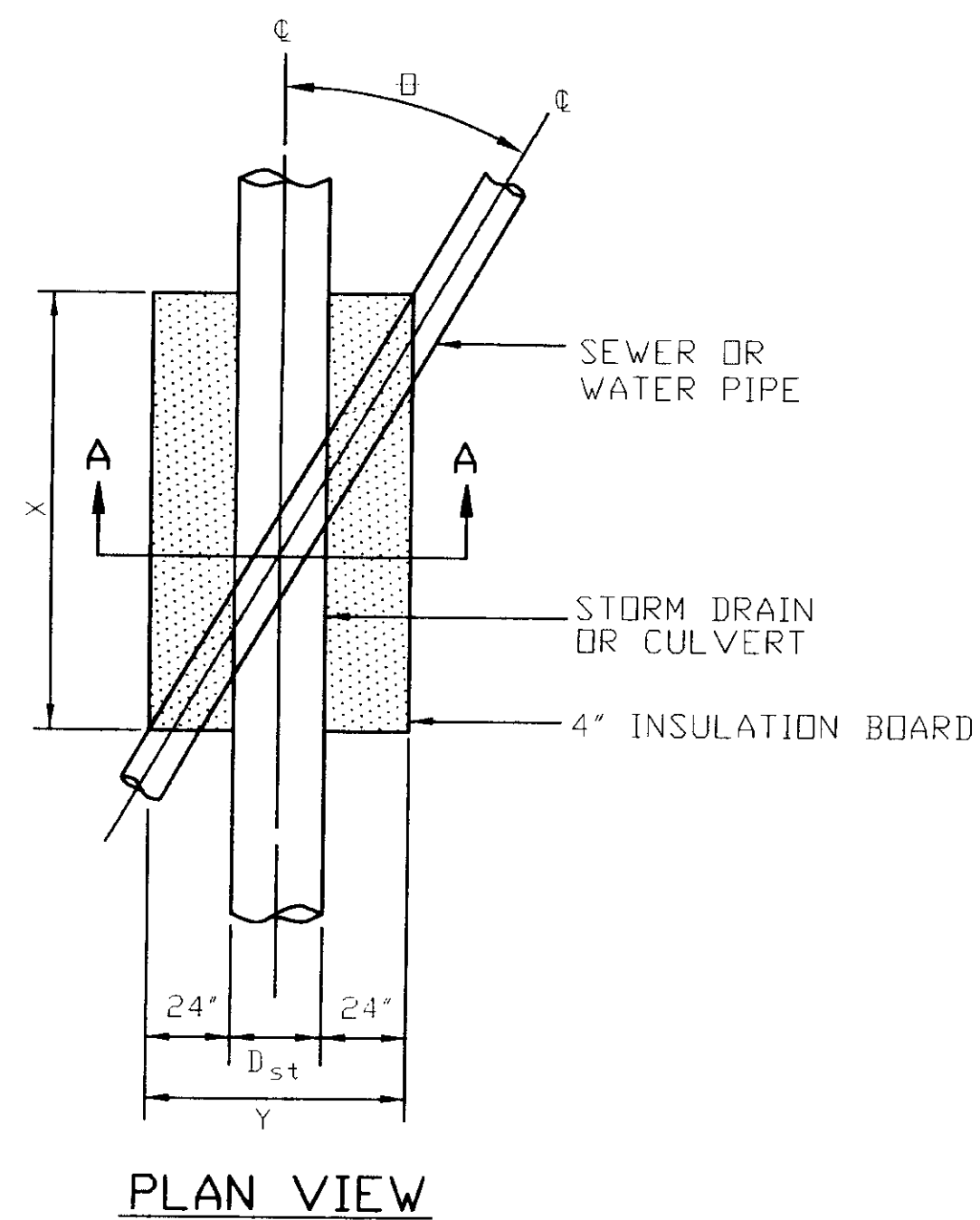
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 ~ PROJECT NO. 71835

PULLEN CREEK POND PLANS

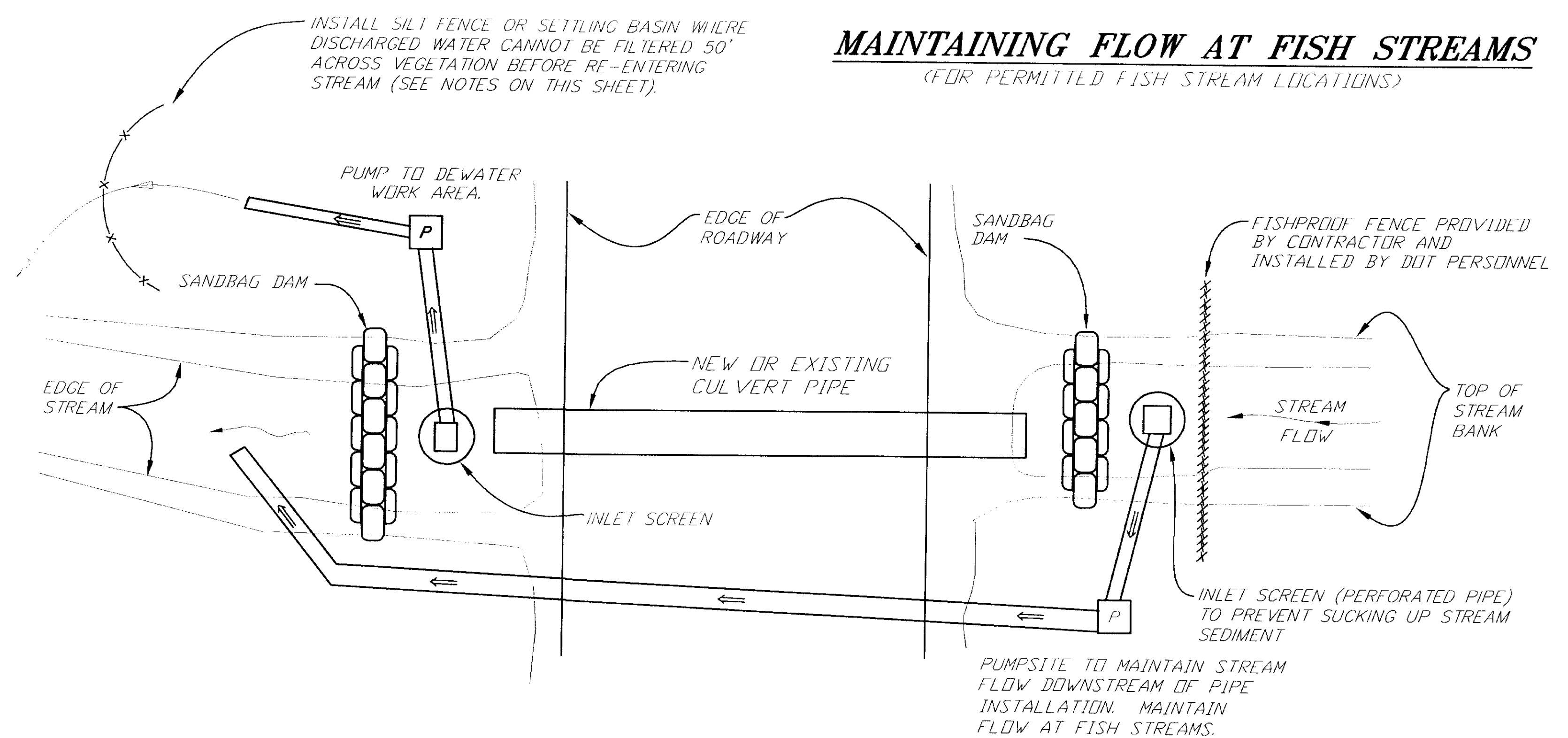
ALASKA

DESIGNED BY:	P. BEDNAROWICZ	PROJECT NO.	71835
DRAWN BY:	P. JONES	DATE:	1998
CHECKED BY:	T. MOORE	SHEET	J3 OF 100





INSULATION BOARD DETAILS

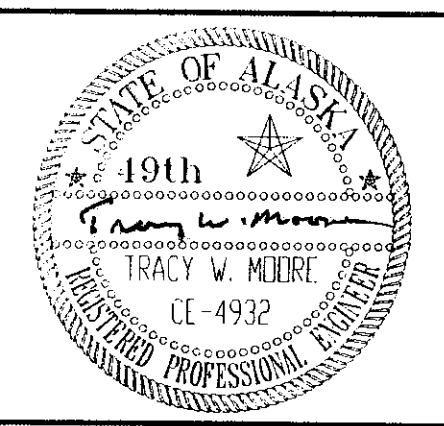


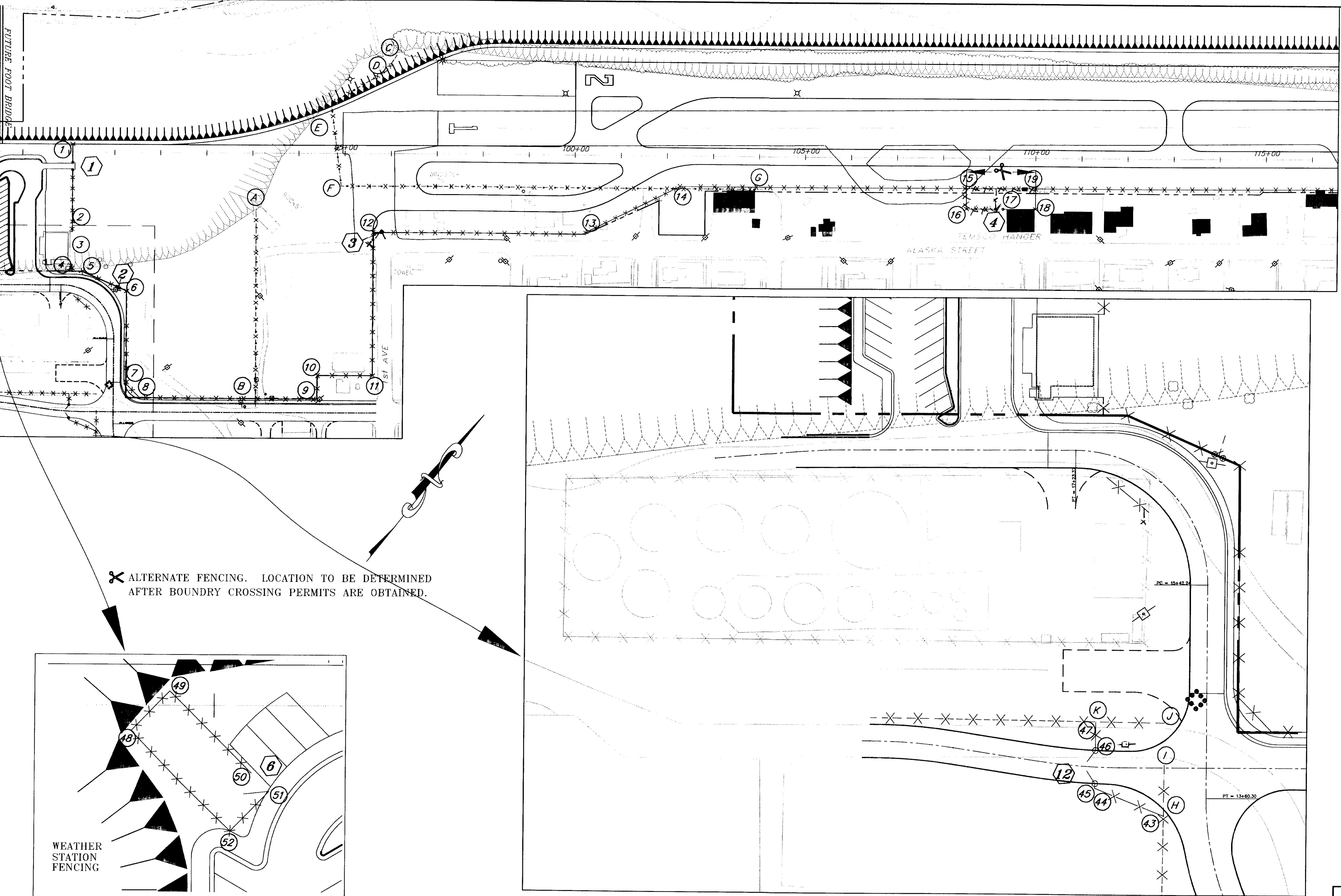
GENERAL NOTES

1. INSTREAM WORK AREAS SHALL BE DEWATERED. WATER FROM PIPE INSTALLATION AREAS MAY BE PUMPED TO A LOW AREA THAT DRAINS ACROSS A VEGETATED SURFACE TO A NATURAL DRAINAGE AREA. OUTLET FROM PUMP TO BE LOCATED NO CLOSER THAN 50 FEET FROM FISH STREAM.
2. MULTIPLE PUMPS MAYBE NECESSARY TO DEWATER WORK AREAS AND/OR MAINTAIN STREAM BYPASS FLOW. THE CONTRACTOR SHALL PROVIDE ADEQUATE QUANTITIES AND SIZES OF PUMPS.
3. FISH SHALL BE EXCLUDED FROM WORK AREAS TWO DAYS PRIOR TO BEGINNING WORK OPERATIONS IN A DESIGNATED FISH STREAM. THIS WORK WILL BE DONE BY DOT PERSONNEL. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER 1 WEEK IN ADVANCE OF SCHEDULED WORK.

Q: \SGY\71835\PLANSE1\ -PULCREEK		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	SKAGWAY SKAGWAY AIRPORT IMPROVEMENTS FED. NO. 3-02-0270-0399 ~ PROJECT NO. 71835 PULLEN CREEK POND PLANS	ALASKA	NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS	
Q: \-LIB\ -PLOT\ PLOT.PCP(1) OR PLOT.PCP(2)					DESIGNED BY: P. BEDNAROWICZ	PROJECT NO. 71835
DATE:	DESCRIPTION OF CHANGE:				DRAWN BY: P. JONES	DATE: 1998
RECORD OF REVISIONS					CHECKED BY: T. MOORE	SHEET 14 OF 100







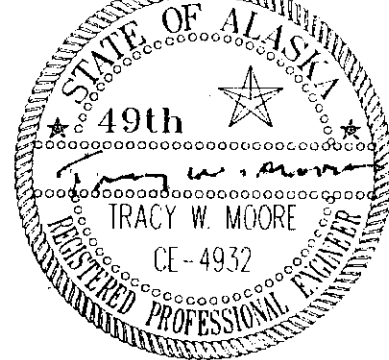
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

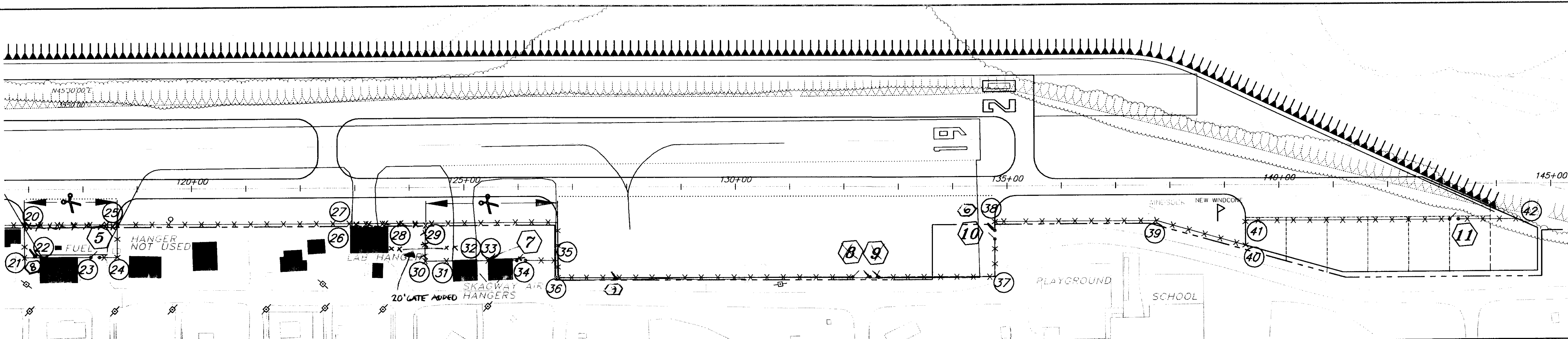
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Q:\-LIB\-PLOT\LOT.F.PCP(100) OR PLOT.H.PCP(200)	
DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 PROJECT NO. 71835
ALASKA
FENCE LAYOUT PLAN

DESIGNED BY: L. ROBERTSON	PROJECT NO. 71835
DRAWN BY: L. ROBERTSON	DATE: 1998
CHECKED BY: T. MOORE	SHEET K1 OF 100





NEW GATE SUMMARY

GATE NUMBER	STATION "A"	OFFSET	DESCRIPTION	GATE NUMBER	STATION "A"	OFFSET	DESCRIPTION
1	89+09	22	DRIVE THRU SLIDING GATE (6' X 20')	7	125+08	135	DRIVE THRU SWING GATE (6' X 16')
2	90+06	292	PEDESTRAIN GATE (6' X 4')	8	126+11	135	DOUBLE DRIVE THRU SWING GATE (6' X 20') 16'
3	95+62	207	DRIVE THRU SWING GATE (6' X 16') 20'	9	132+32	166	PEDESTRAIN GATE (6' X 4')
4	109+13	110	DRIVE THRU SWING GATE (6' X 16') 20'	10	134+78	98	DRIVE THRU SWING GATE (6' X 16') 20'
5	118+14	126	DRIVE THRU SWING GATE (6' X 16') 20'	11	143+14	66	DRIVE THRU SWING GATE (6' X 16') 20'
6	124+34	30	PEDESTRAIN GATE (6' X 4') NEXT TO GATE # 10	12	16+50	10' LT	DOUBLE DRIVE THRU SWING GATE (6' X 20') 25'

FENCE REMOVAL SUMMARY

NUMBER	STATION "A"	OFFSET	LENGTH
A	93+08	127	424
B	93+10	548	
C	96+11	213	40
D	95+89	179	140
E	94+69	108	180
F	94+92	70	900
G	103+92	70	
H	"M" 16+07	41	44
I	"M" 16+07	3	
J	"M" 16+07	38	59
K	"M" 16+68	38	
M	WEATHER STA		170
TOTAL			1,957

FENCE INSTALLATION SUMMARY

NUMBER	STATION "A"	OFFSET	LENGTH	NUMBER	STATION "A"	OFFSET	LENGTH	NUMBER	STATION "A"	OFFSET	LENGTH
1	89+09	17	124	20	116+92	66	60	39	137+75	66	170
2	89+09	172	BUILDING	21	116+92	126	29	40	139+38	111	46
3	89+09	244	47	22	117+20	126	BUILDING	41	139+38	66	499
4	89+09	260	23	23	117+90	126	73	42	144+38	66	
5	89+30	260	106	24	118+63	126	61				
6	90+28	302	200	25	118+63	66	427	43	"M" 16+07	41	64
7	90+29	504	40	26	122+91	66	0	44	"M" 16+67	18	8
8	90+57	530	387	27	122+91	66	70	45	"M" 16+67	14	GATE
9	94+43	531	52	28	123+61	66	68	46	"M" 16+67	14	28
10	94+44	481	119	29	124+29	66	69	47	"M" 16+68	38	
11	95+63	481	311	30	124+29	135	50				
12	95+62	171	484	31	124+79	135	BUILDING	48	"P" 12+41	86	24
13	100+17	171	210	32	125+24	135	20	49	"P" 12+49	82	57
14	102+28	66	622	33	125+44	135	BUILDING	50	"P" 12+45	26	GATE
15	108+50	66	45	34	125+90	135	83	51	"P" 12+33	22	24
16	108+50	110	89	35	126+73	135	31	52	"P" 12+31	30	61
17	109+37	110	BUILDING	36	126+73	166	805		TO #48		
18	110+00	110	46	37	134+78	166	102				
19	110+00	66	692	38	134+78	66	297				
								TOTAL			6,923

✕ ALTERNATE FENCING. LOCATION TO BE DETERMINED AFTER BOUNDRY CROSSING PERMITS ARE OBTAINED.

REINSTALL EXISTING ASOS fence & Gate

* NOTE: INSTALL FENCE AT BACK of SIDEWALK FROM #4 TO #9

NOTE: DO NOT SCALE FROM THESE PLANS--USE DIMENSIONS

PATH: Q:\SGY\71835\PLANSET\NEW FENCE.DWG		
PLOT: Q:\-LIB\--PLOT\PLT.FPCP(100) OR PLOT.FPCP(200)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY

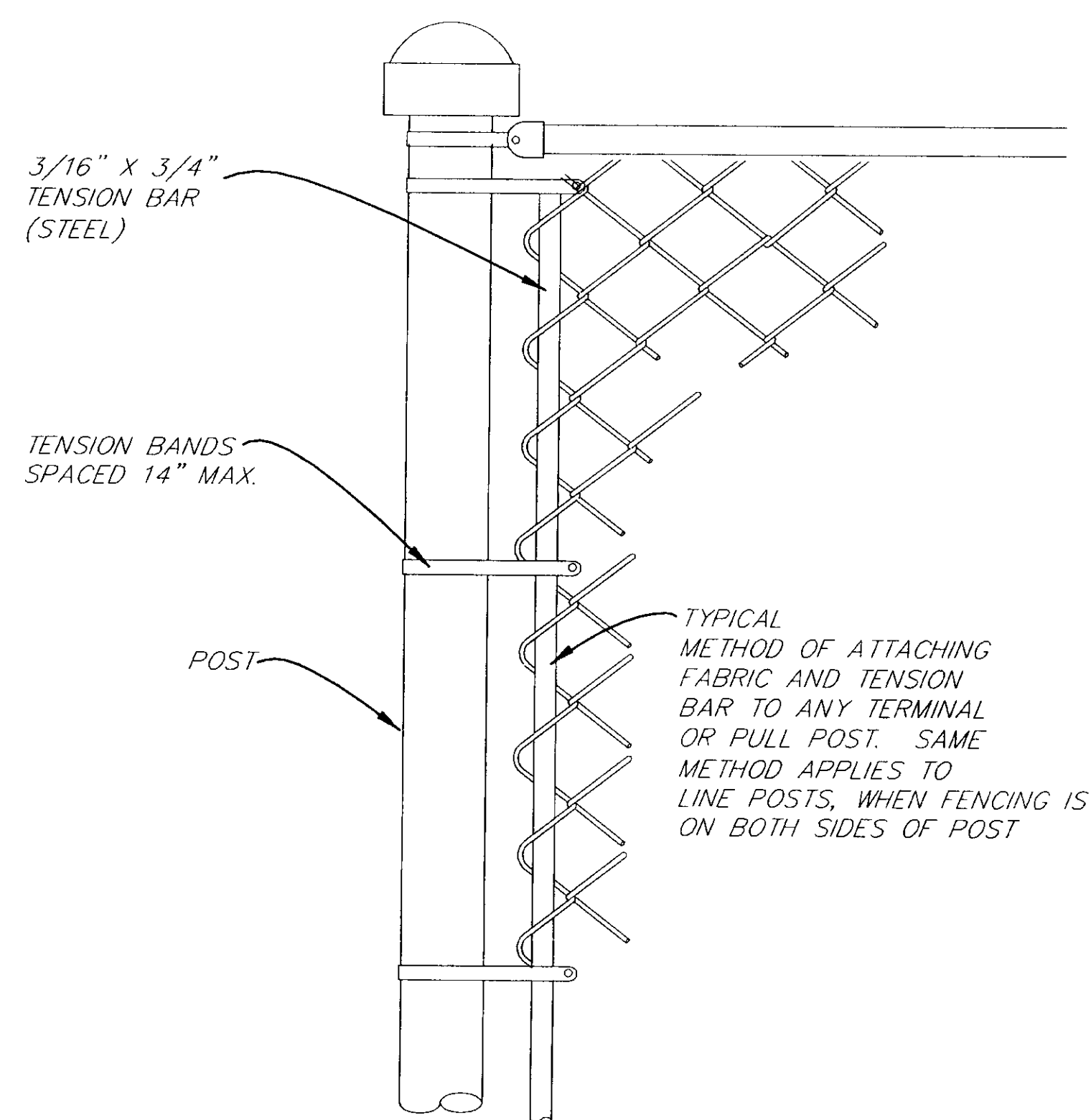
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

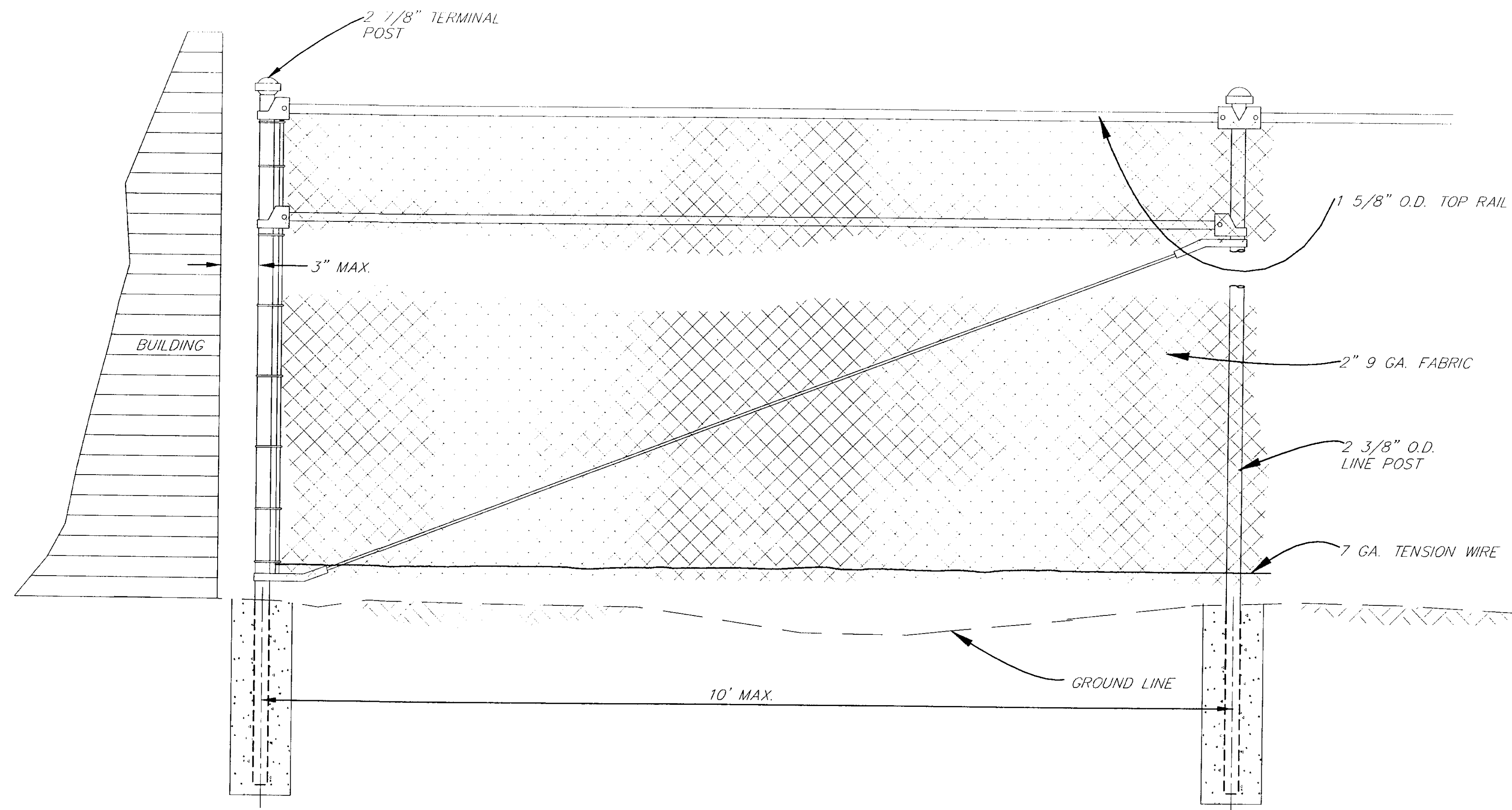
FENCE LAYOUT PLAN

DESIGNED BY:	PROJECT NO.
L. ROBERTSON	71835
DRAWN BY:	DATE:
L. ROBERTSON	1998
CHECKED BY:	SHEET K2 OF 100
T. MOORE	

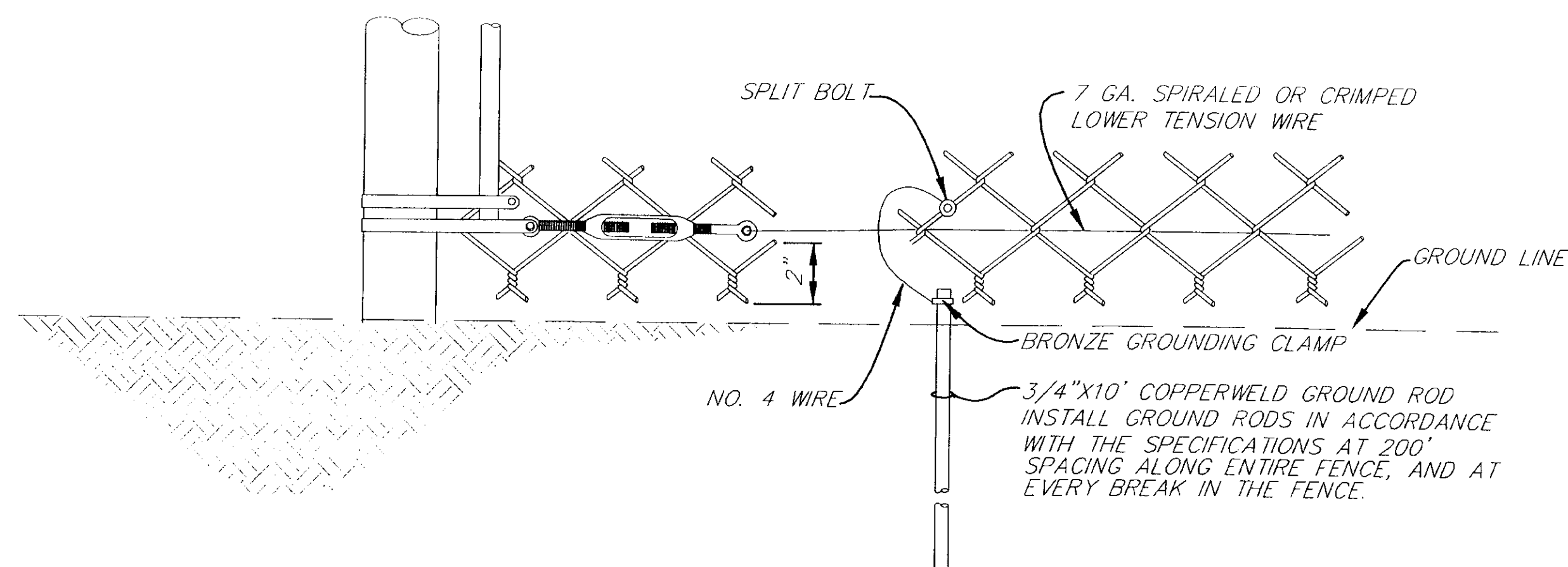




FABRIC END TO POST DETAIL



TYPICAL FENCE TERMINUS



GROUND ROD DETAIL

GENERAL NOTES

1. MAXIMUM SPACING BETWEEN PULL POSTS = 250'-0".
2. ALL PULL POSTS AND TERMINAL POSTS ARE CONCRETE EMBEDDED.
3. PULL POST DETAILS SHOWN REQUIRED AT LINE SPACING LOCATIONS NOTED ABOVE SLOPE CHANGES GREATER THAN 15' OR A 4:1 SLOPE, AND CHANGES IN HORIZONTAL DIRECTION CORNERS.
4. CONTRACTOR RESPONSIBLE FOR SUPPLYING CORRECT HARDWARE.
5. PIPE BRACES AND TRUSS RODS SHALL BE ATTACHED TO POSTS BEFORE FENCE FABRIC IS DRAPED AND DRAWN TAUGHT.

PATH: Q:\SGY\71835\PLANSE1\MISDE16		
PLOT: Q:\-LIB\-PLOT\PL0TF.PCP(16) OR PL0TH.PCP(32)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY

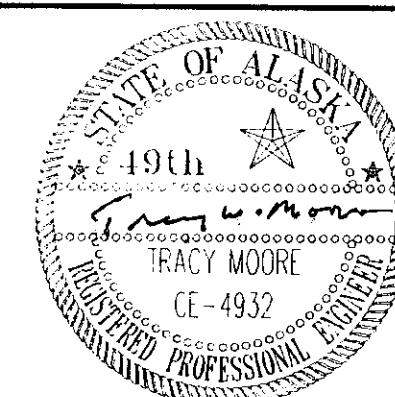
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

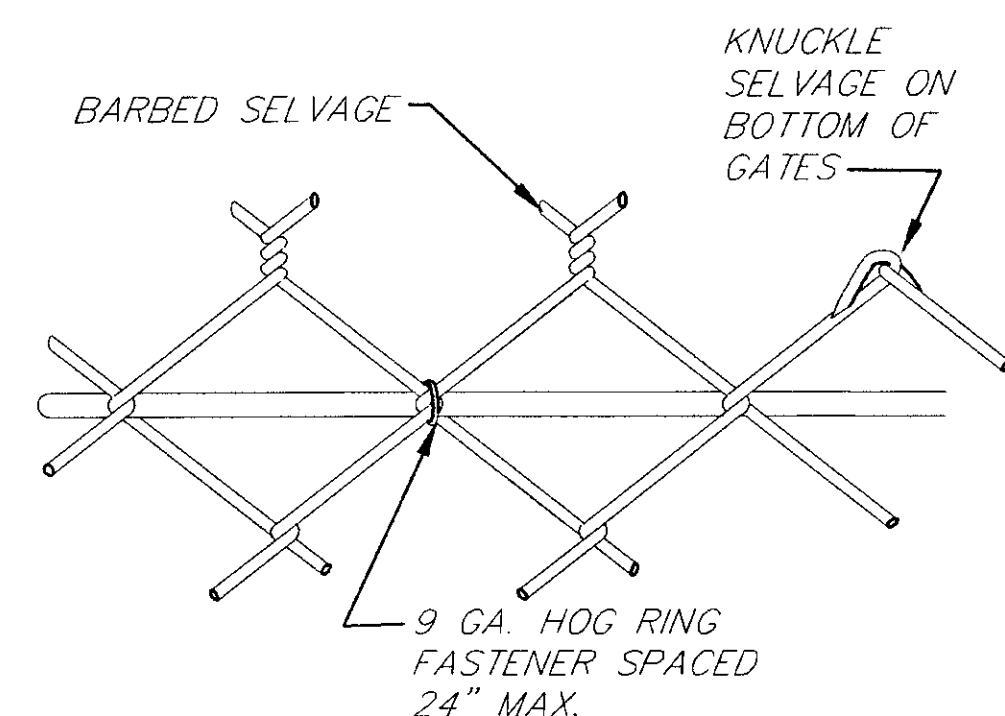
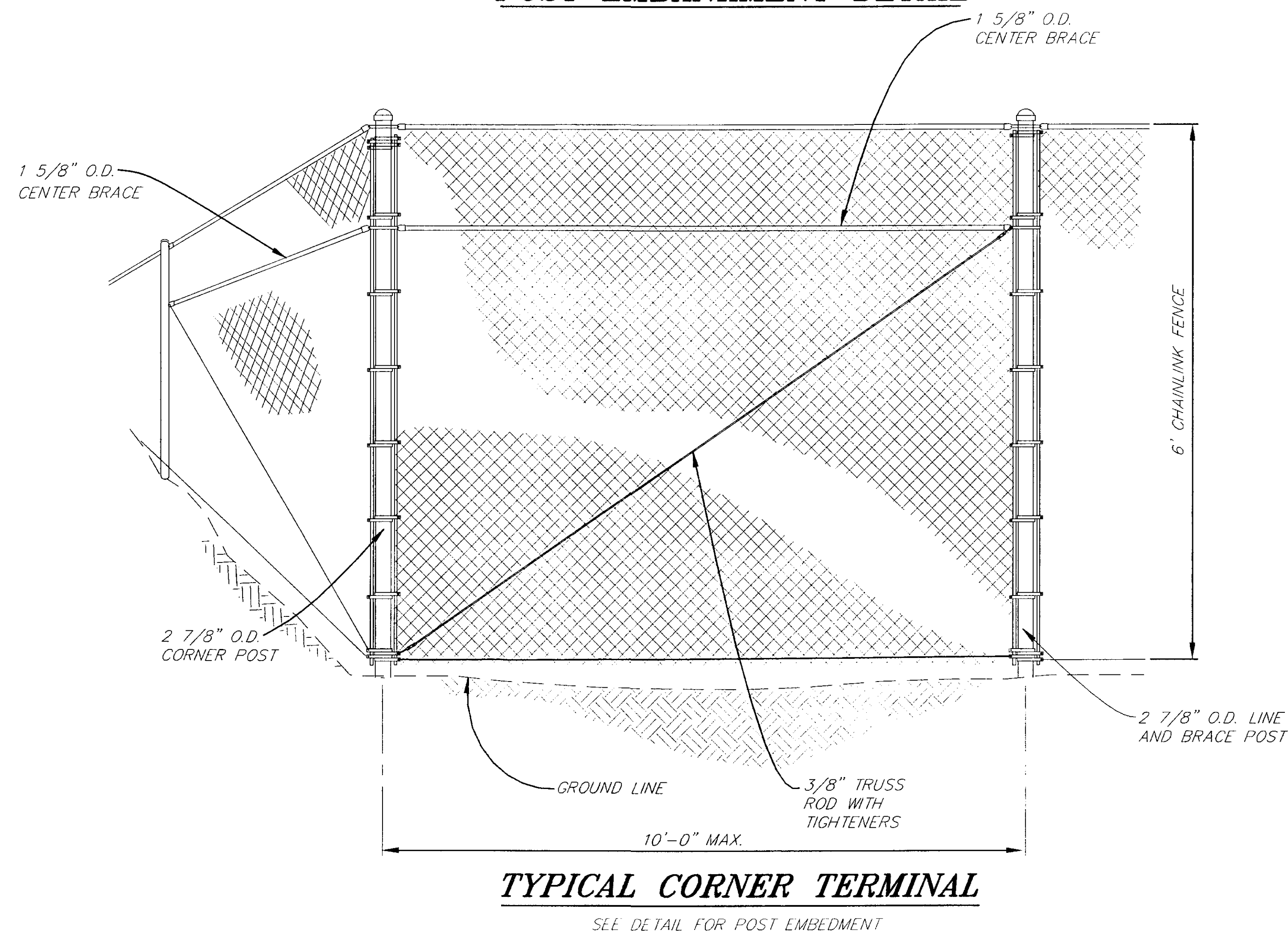
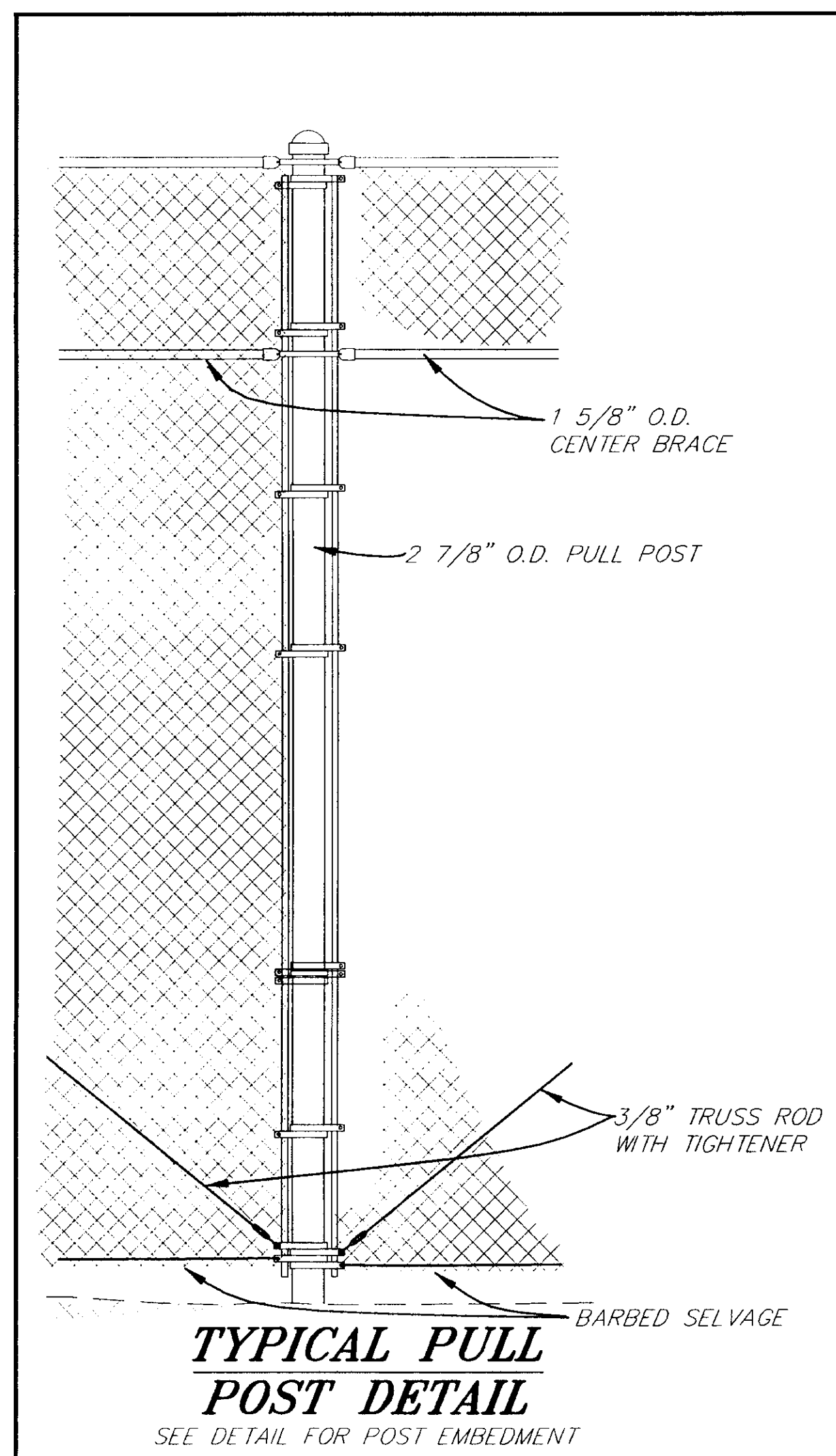
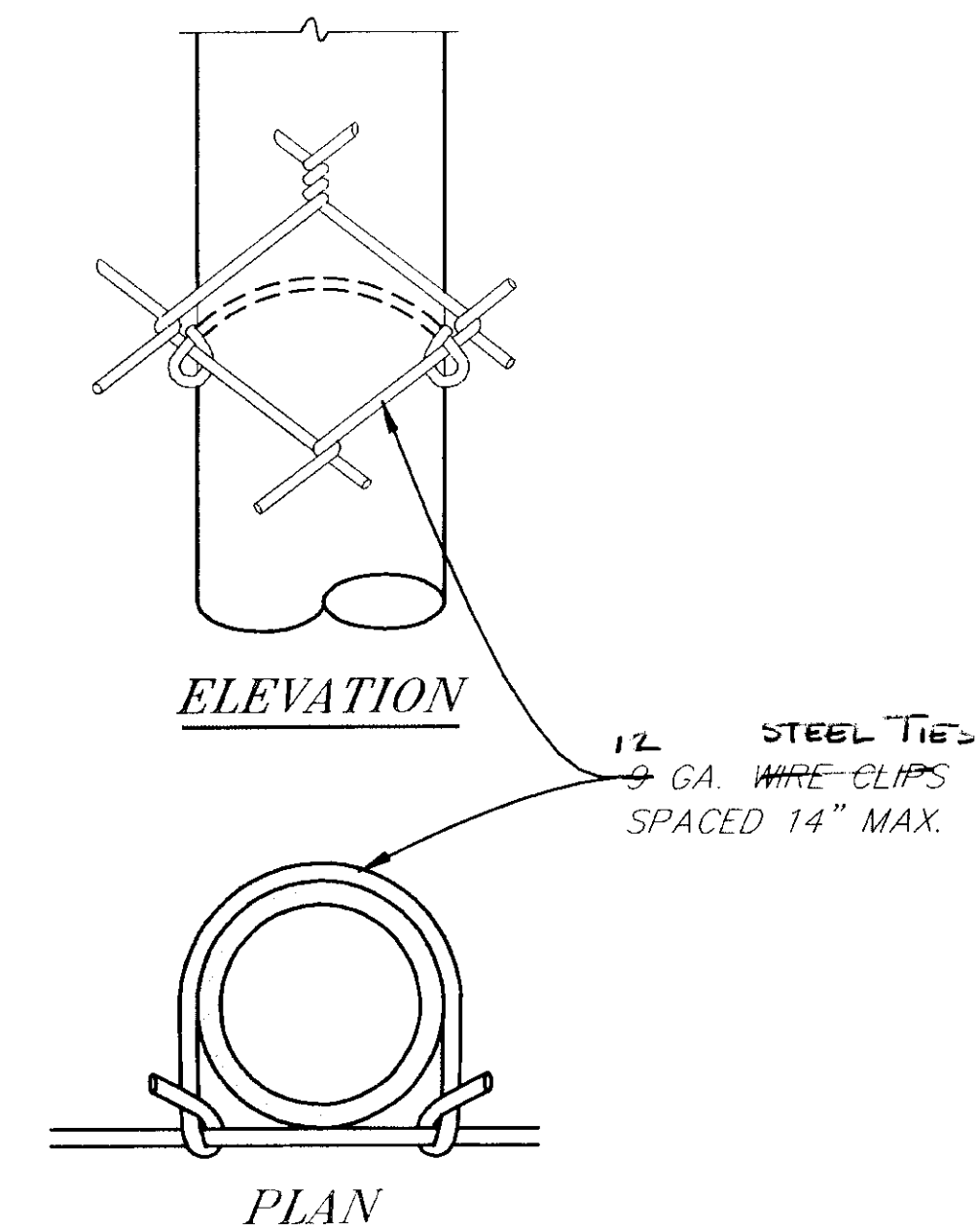
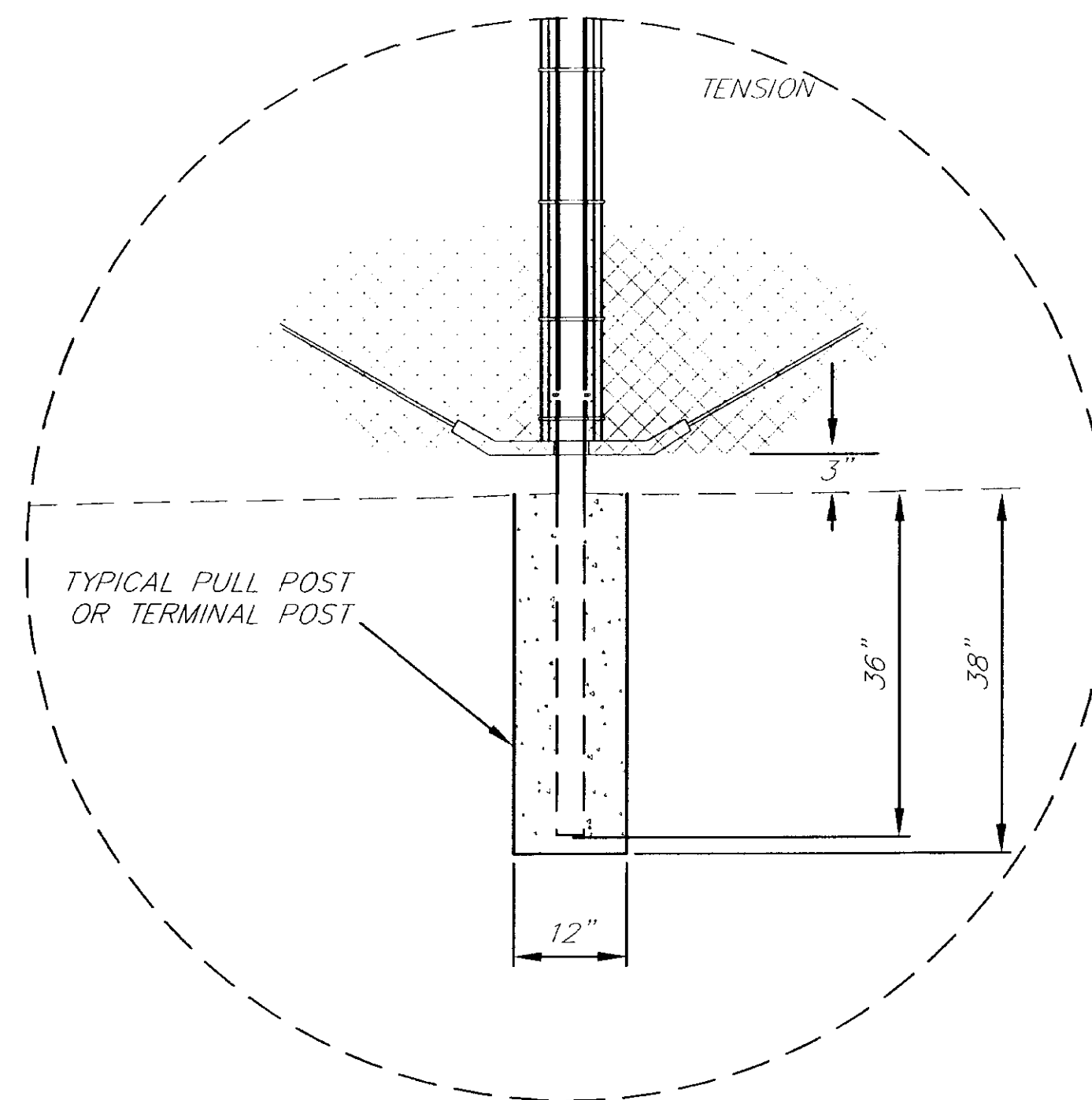
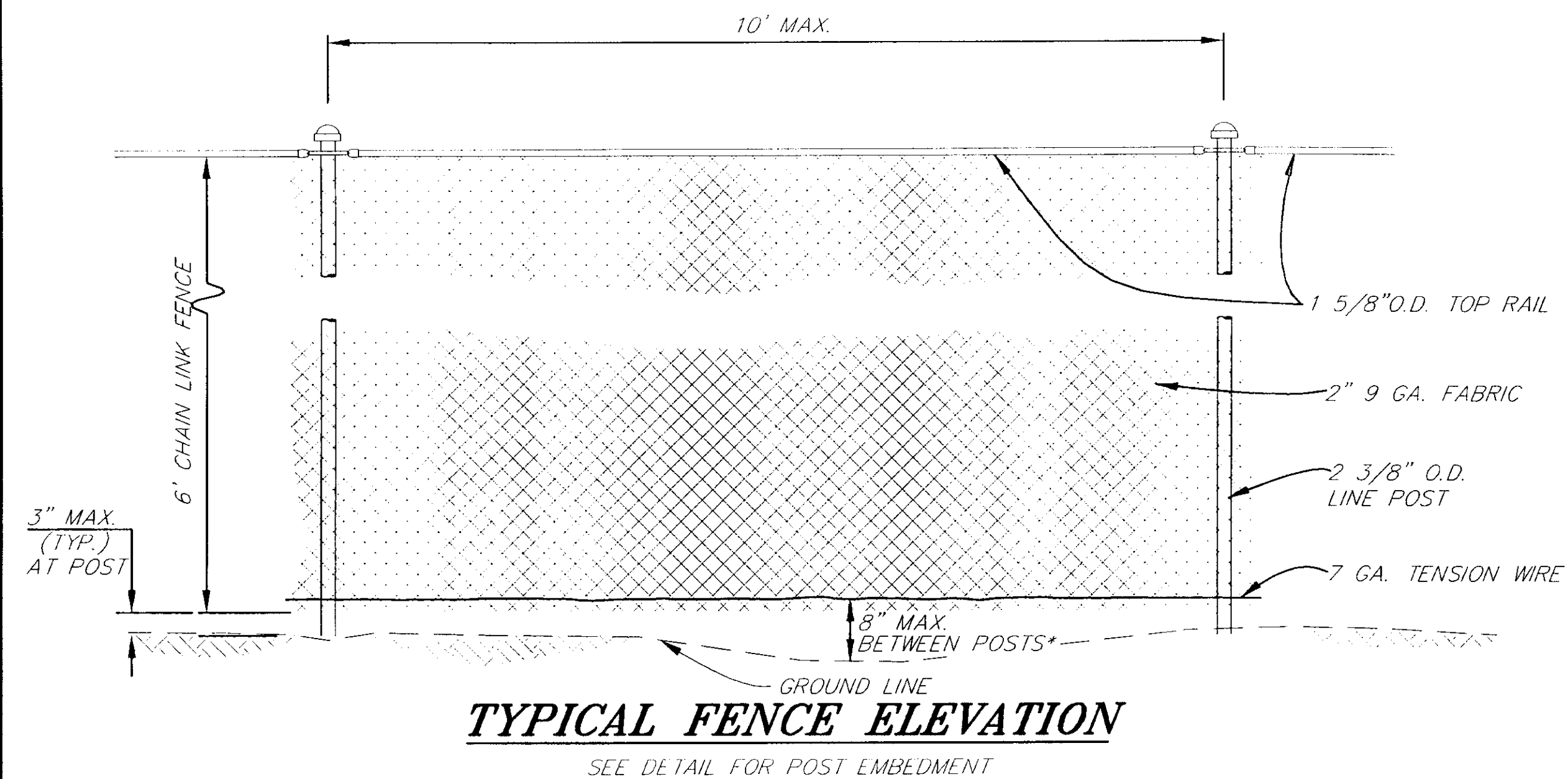
ALASKA

FENCE DETAILS

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: P. JONES	PROJECT NO. 71835
DRAWN BY: CSA/B.A.	DATE: 1998
CHECKED BY: T. MOORE	SHEET K3 OF 100





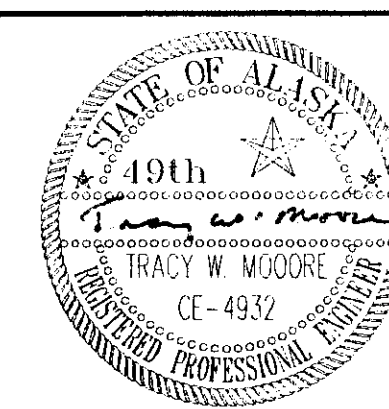
PATH: Q:\SGY\71835\PLANSET1\MISDET4		
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

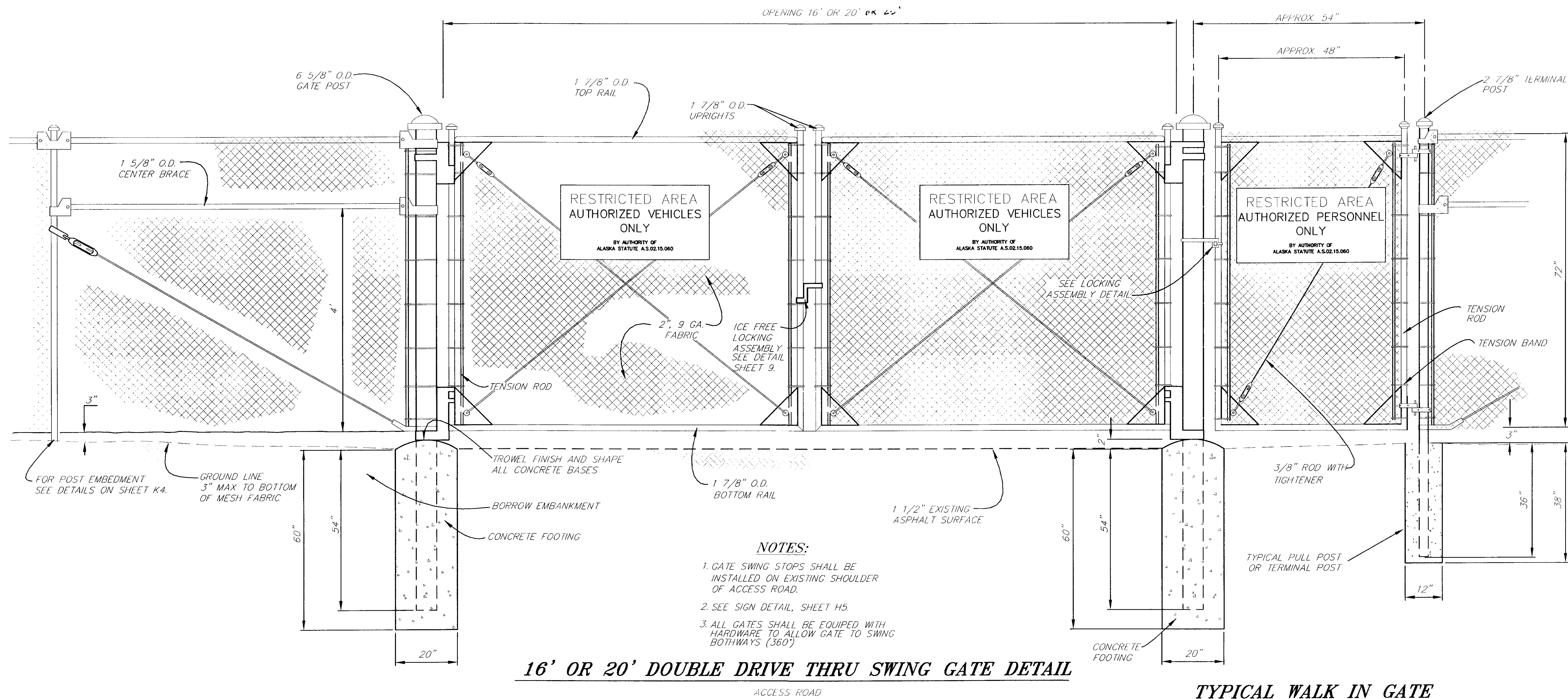
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835
MISCELLANEOUS DETAILS

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: PETER BEDNAROWICZ	PROJECT NO. 71835
DRAWN BY: CSA\B.A.	DATE: 1998
CHECKED BY: T. MOORE	SHEET K4 OF 100





PATH: P:\SGY\71835\PLANSET\1-MISDE12		
PLOT: P:\-LIB\1-PLOT\1PLOT.PCP(16) OR 1PLOT.PCP(32)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY

SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

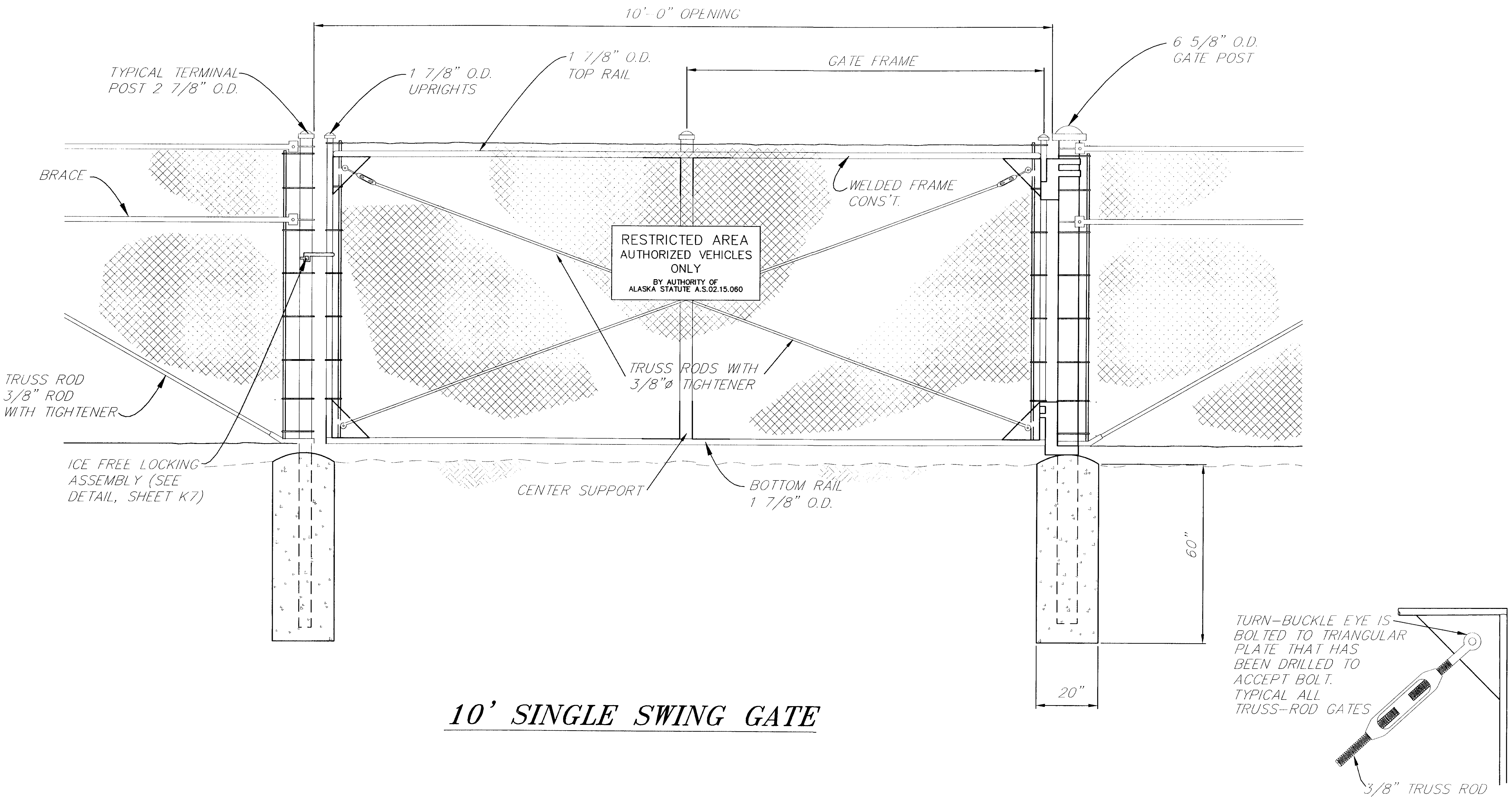
ALASKA

GATE DETAILS

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: P.JONES	PROJECT NO. 71835
DRAWN BY: CSA	DATE: 1998
CHECKED BY: PETER BEDNAROWICZ	SHEET K5 OF 100





10' SINGLE SWING GATE

TRUSS ROD AND TIGHTENER DETAIL

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

ATH:	Q:\SGY\71835\PLANSET\—MISDE13	
LOT:	Q:\—LIB\—PLOT\PLOTF.PCP(24) OR PLOTH.PCP(48)	
Y:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

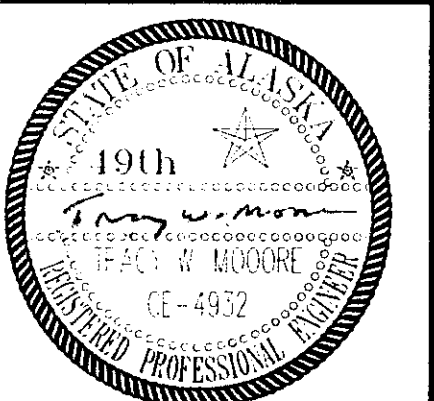
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY

SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

DESIGNED BY:	P. JONES	PROJECT NO.	71835
DRAWN BY:	CSA\B.A.	DATE:	1998
CHECKED BY:	PETER BEDNAROWICZ	SHEET	K6 OF 100



GATE DETAILS

CHART # 1

SPECIFICATIONS FOR SINGLE GATES

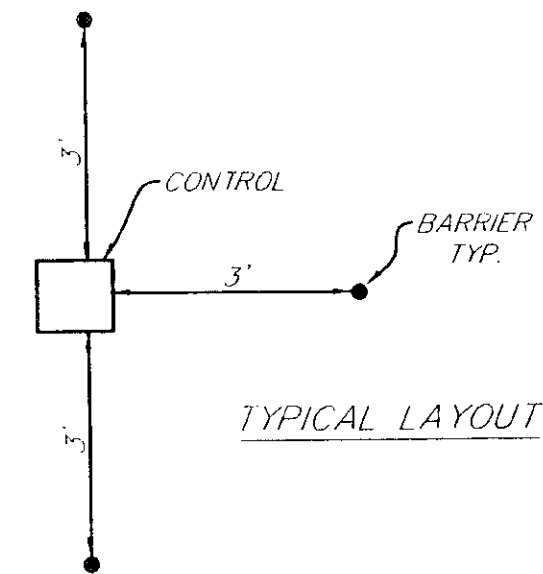
A-1	B-1	H-1	D-1	E-1	K
SINGLE GATE OPENING	ROLLER POST SPACING	OVERALL LENGTH 20" O.D. TOP & BOTTOM	FABRIC SECTION OF FRAME	OPEN SECTION OF FRAME	EXTENSION OF FRAME
6'-0"	4'-0"	11'-2"	6'-6"	4'-4"	4"
8'-0"	4'-0"	13'-2"	8'-6"	4'-4"	4"
10'-0"	5'-0"	16'-2"	10'-6"	5'-4"	4"
12'-0"	6'-0"	19'-2"	12'-6"	6'-4"	4"
14'-0"	7'-0"	22'-2"	14'-6"	7'-4"	4"
16'-0"	8'-0"	25'-2"	16'-6"	8'-4"	4"
18'-0"	9'-0"	28'-2"	18'-6"	9'-4"	4"
20'-0"	10'-0"	31'-2"	20'-6"	10'-4"	4"
24'-0"	12'-6"	36'-2"	24'-6"	12'-4"	4"

CHART # 2

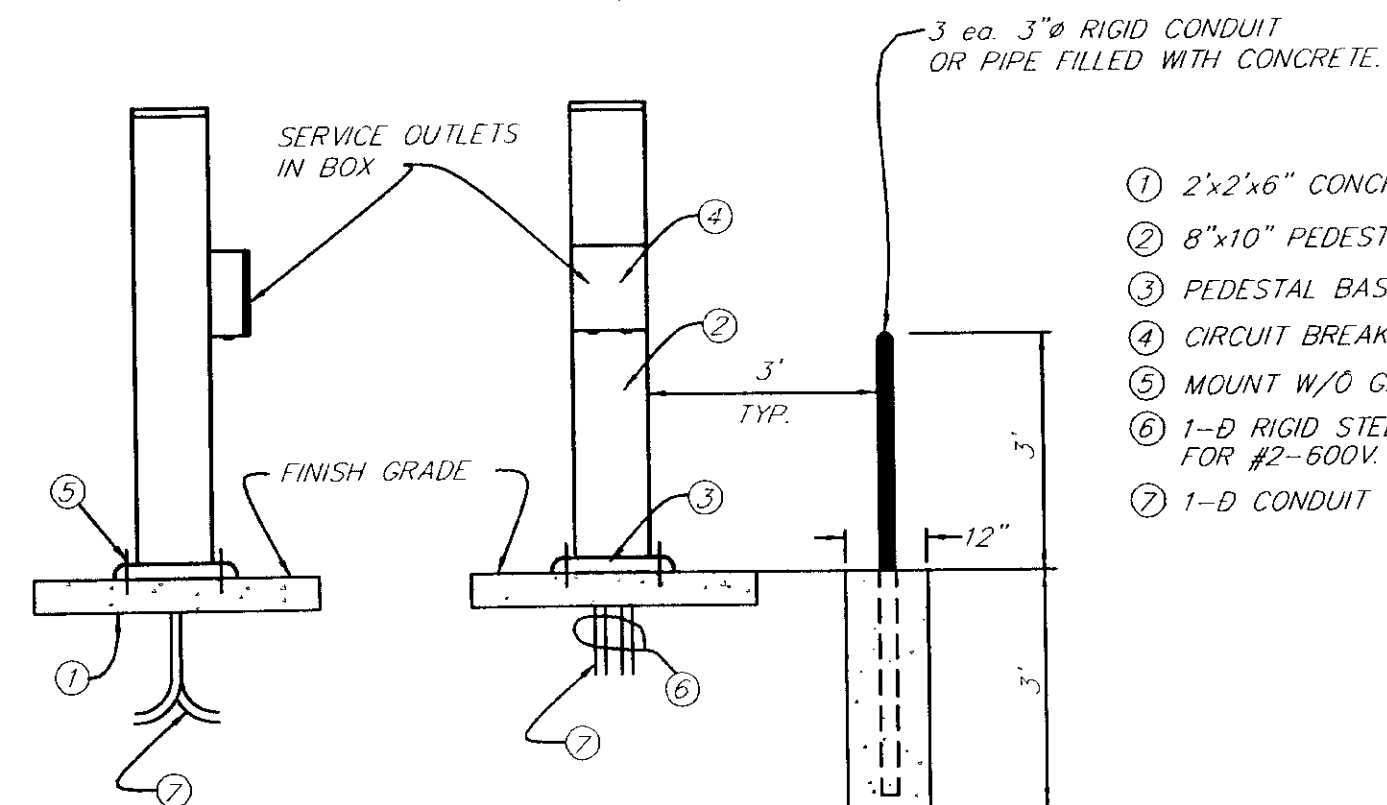
SPECIFICATIONS FOR GATE HEIGHTS

FENCE HEIGHT	POST HEIGHT TO GRADE	FRAME HEIGHT	LENGTH 2" O.D. UPRIGHTS
6'	7'-6"	5'-50"	5'-1"
7'	8'-6"	6'-50"	6'-1"
8'	9'-6"	7'-50"	7'-1"
9'	10'-6"	8'-50"	8'-1"
10'	11'-6"	9'-50"	9'-1"
12'	13'-6"	11'-50"	11'-1"

NOTE:
ALL GATES INSTALLED UNDER THIS CONTRACT SHALL BE 6' IN HEIGHT



TYPICAL LAYOUT

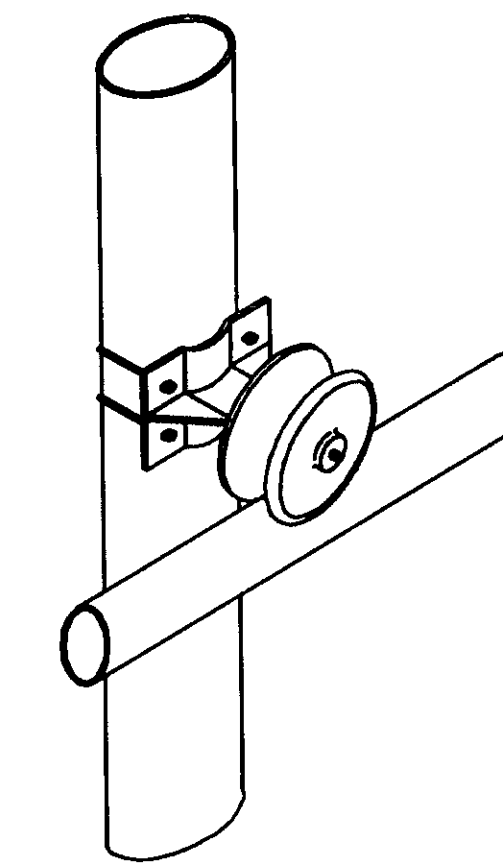


- 1 2'x2'x6" CONCRETE PAD
- 2 8"x10" PEDESTAL
- 3 PEDESTAL BASE
- 4 CIRCUIT BREAKER & RECEPTACLE
- 5 MOUNT W/O GALV BOLTS & WASHERS
- 6 1-D RIGID STEEL CONDUITW/90° ELBOW FOR #2-600V. CABLE
- 7 1-D CONDUIT TO ELECTRIC GATE

ELECTRICAL PEDESTAL

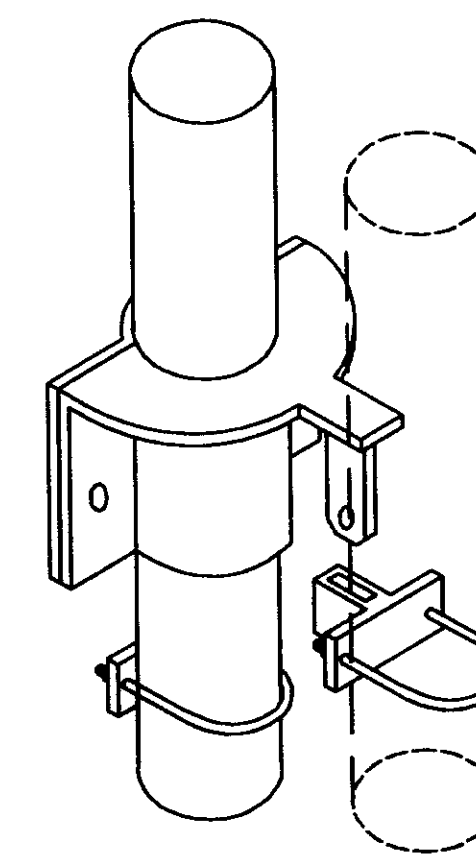
TYP BARRIER

SLIDE GATE CONTROL DETAIL



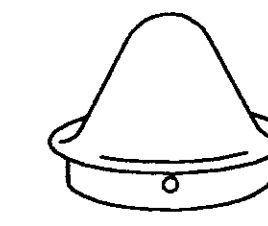
ROLLER ASSEMBLY

C-104

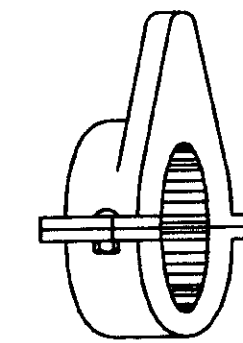


ICE FREE LOCKING ASSEMBLY

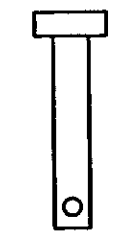
C-104



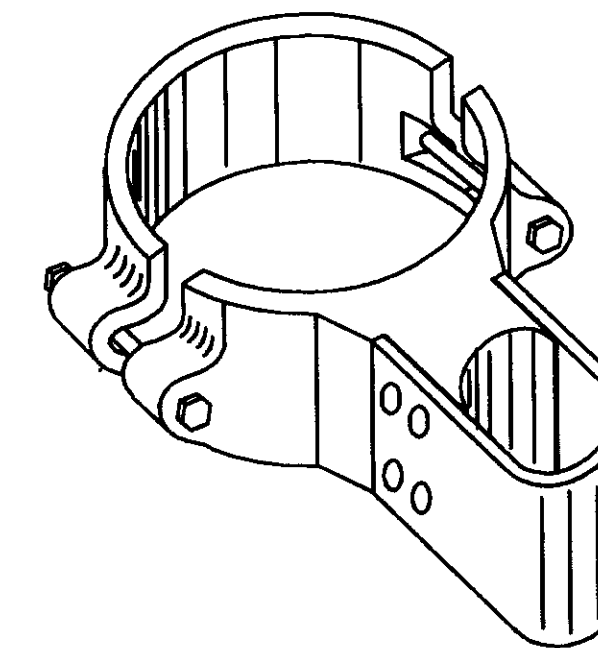
ACORN CAP FOR GATE POST (OR DOME CAP)



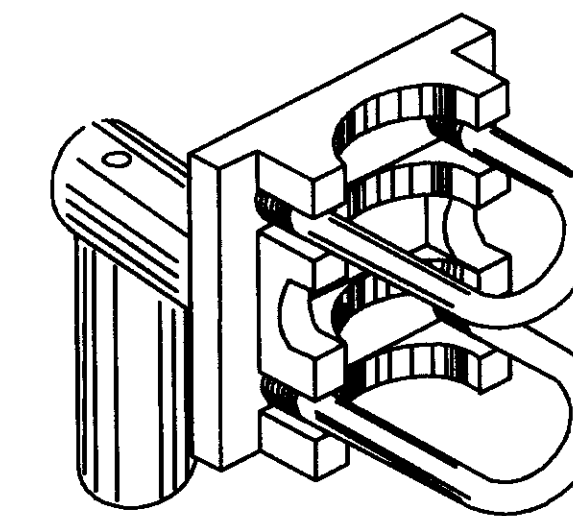
BACK STOP C-2



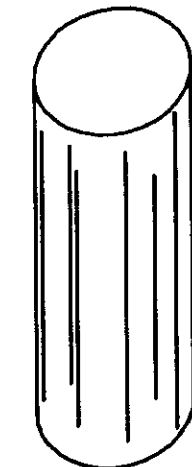
CLEVIS PIN FOR PADLOCK P-8



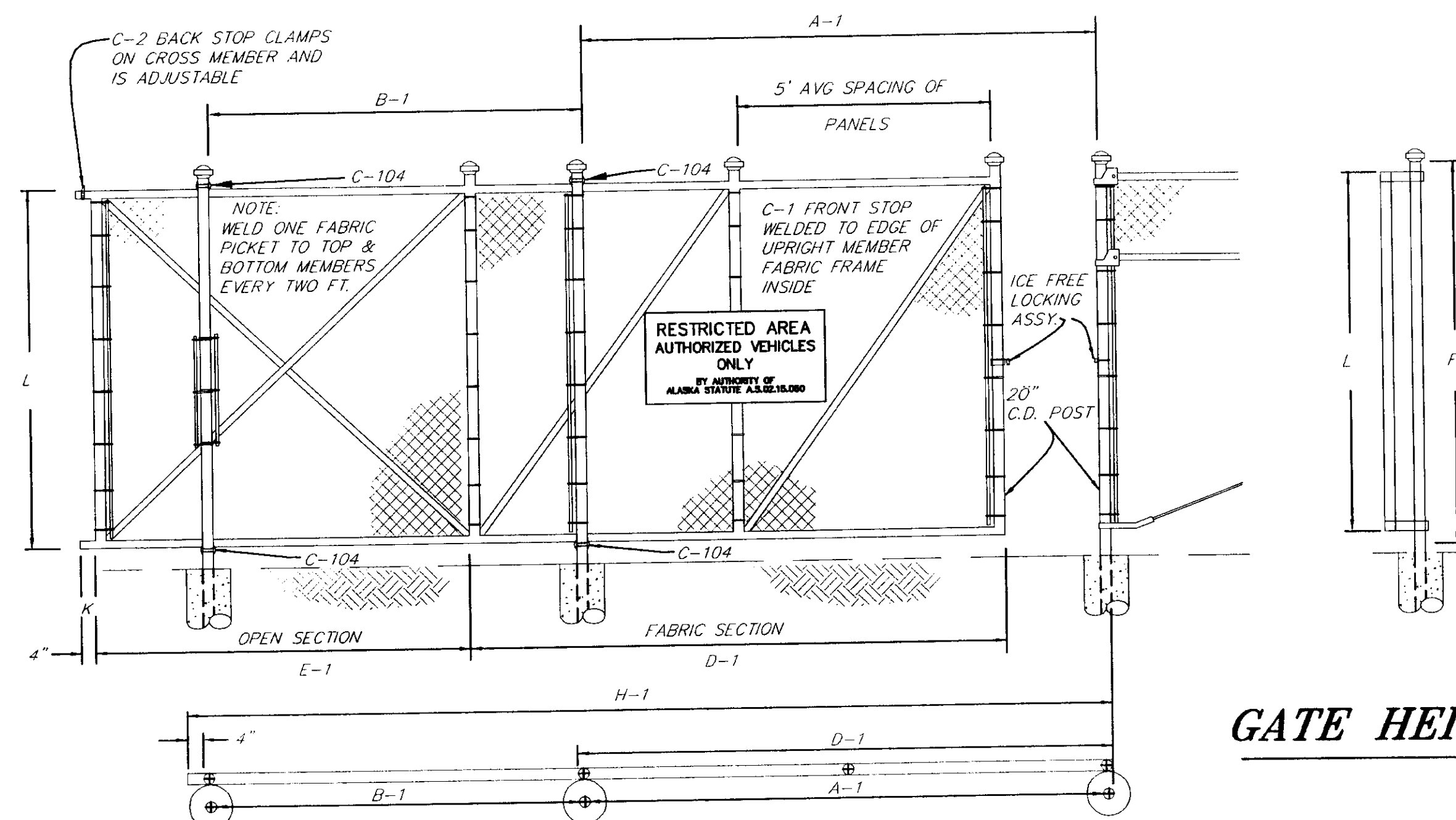
INDUSTRIAL MALLEABLE HINGE (BALL AND SOCKET TYPE)



OFFSET ADAPTER



FRONT STOP C-1



GATE HEIGHTS

TYPICAL OUTSIDE VIEW-LEFT HAND SLIDE GATE

(REVERSE INSTALLATION FOR RIGHT HAND GATE)

SPECIFICATIONS OF GATE FRAMES

TOP AND BOTTOM MEMBERS - 20" O.D. PIPE
UPRIGHT MEMBERS - 2" O.D. PIPE
HORIZONTAL AND DIAGONAL BRADS 10" O.D. PIPE
GATE FRAME MEMBERS SHALL BE SCHEDULE 40 PIPE

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q: \SGY\1835\PLANSET\1835DET7		
PLOT: Q: \LIB\1835\1835.PCP(16) OR 1835.PCP(32)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

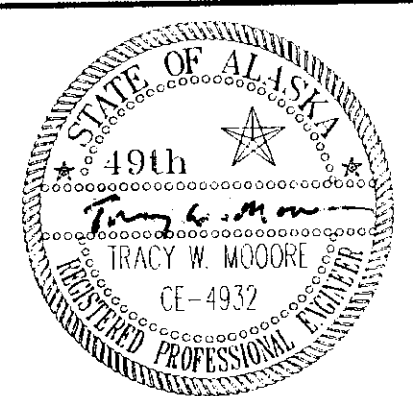
SKAGWAY

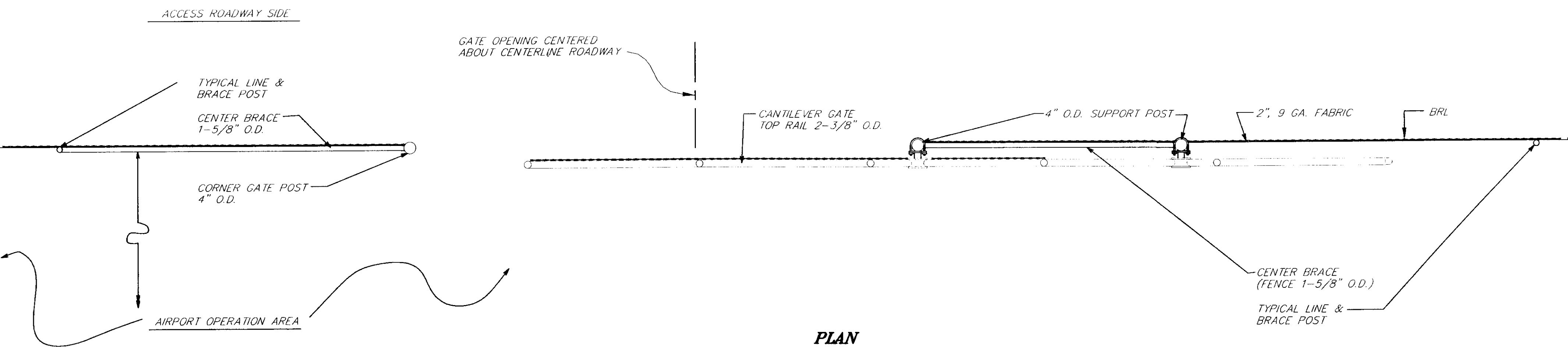
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

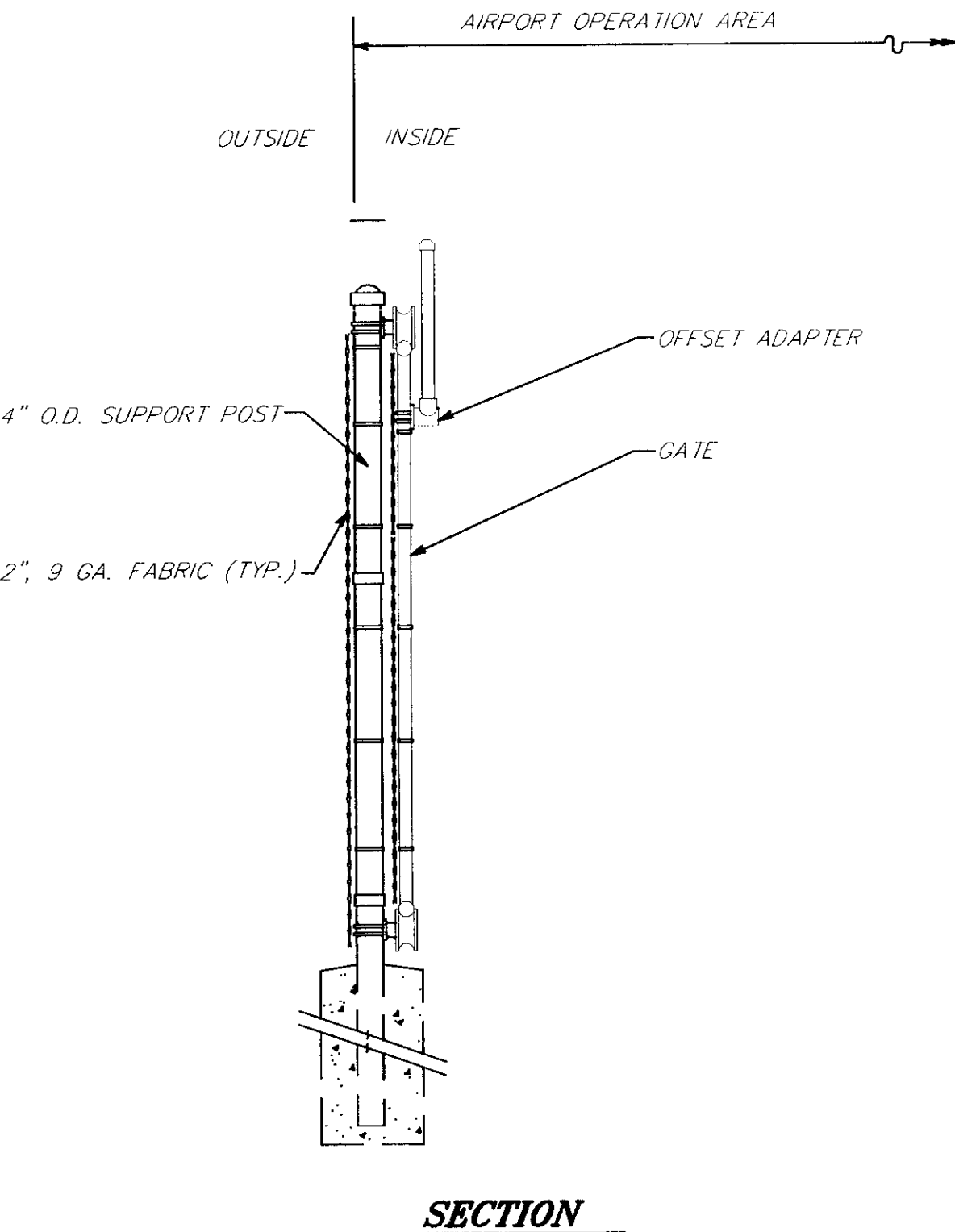
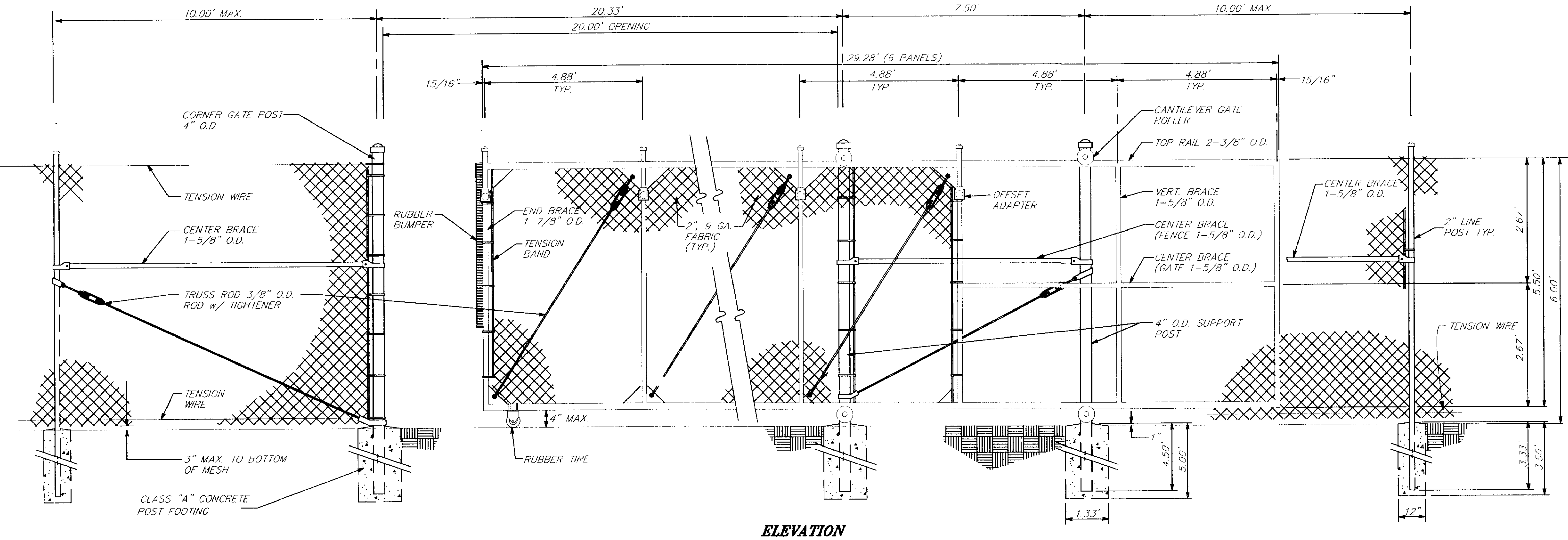
GATE DETAILS

DESIGNED BY: P.JONES	PROJECT NO. 71835
DRAWN BY: CSA/B.A.	DATE: 1998
CHECKED BY: PETER BEDNAROWICZ	SHEET K7 OF 100





- FENCING NOTES:**
- 1) FENCE FABRIC SHALL BE 9 GA. WIRE WOVEN IN A 2" MESH. FENCING SHALL BE 6' TALL
 - 2) NOT ALL OF CHAINLINK FENCE AND MISC. FENCING HARDWARE IS SHOWN IN THIS DETAIL. REFER TO DOT/PF STANDARD DETAILS NO. F-01.01 FOR FURTHER DETAIL.
 - 3) SEE SHEET K1 FOR GATE LOCATIONS.
 - 4) PED GATES NOT SHOWN.



AUTOMATIC SLIDING GATE DETAILS

N.T.S.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH:	Q: \SKG\11835\PLANSET\ - MISDE 18		
PLOT:	Q: \-LIB\ -PLOT\ PLOT1.PCP(1) OR PLOT1.PCP(2)		
BY:	DATE:	DESCRIPTION OF CHANGE:	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY

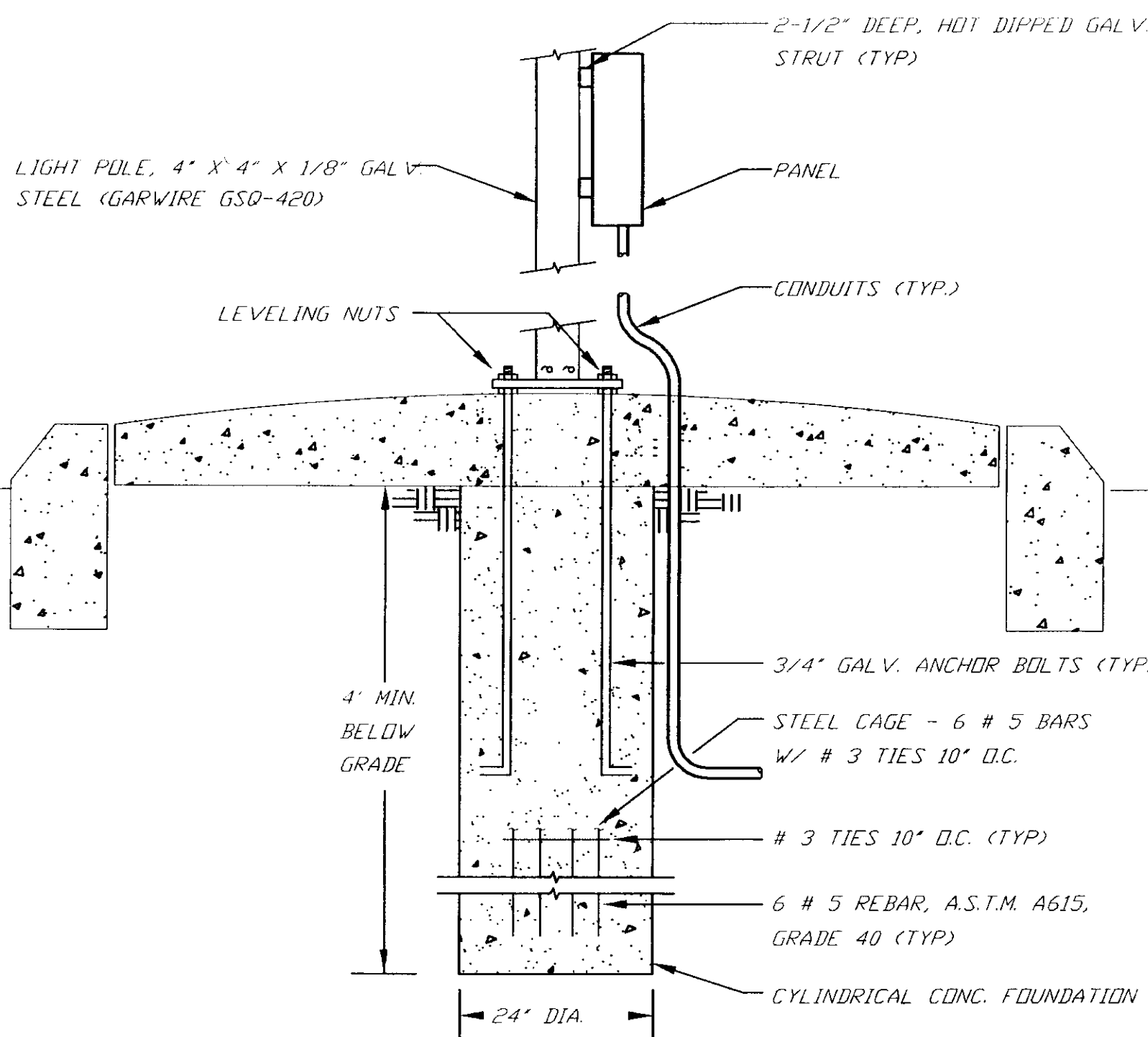
SKAGWAY AIRPORT IMPROVEMENTS
AIP. 3-02-0270-0399 PROJECT NO. 71835

ALASKA

GATE DETAILS

DESIGNED BY:	P. JONES	PROJECT NO.	71835
DRAWN BY:	P. JONES	DATE:	1998
CHECKED BY:	T. MOORE	SHEET	K8 OF 100

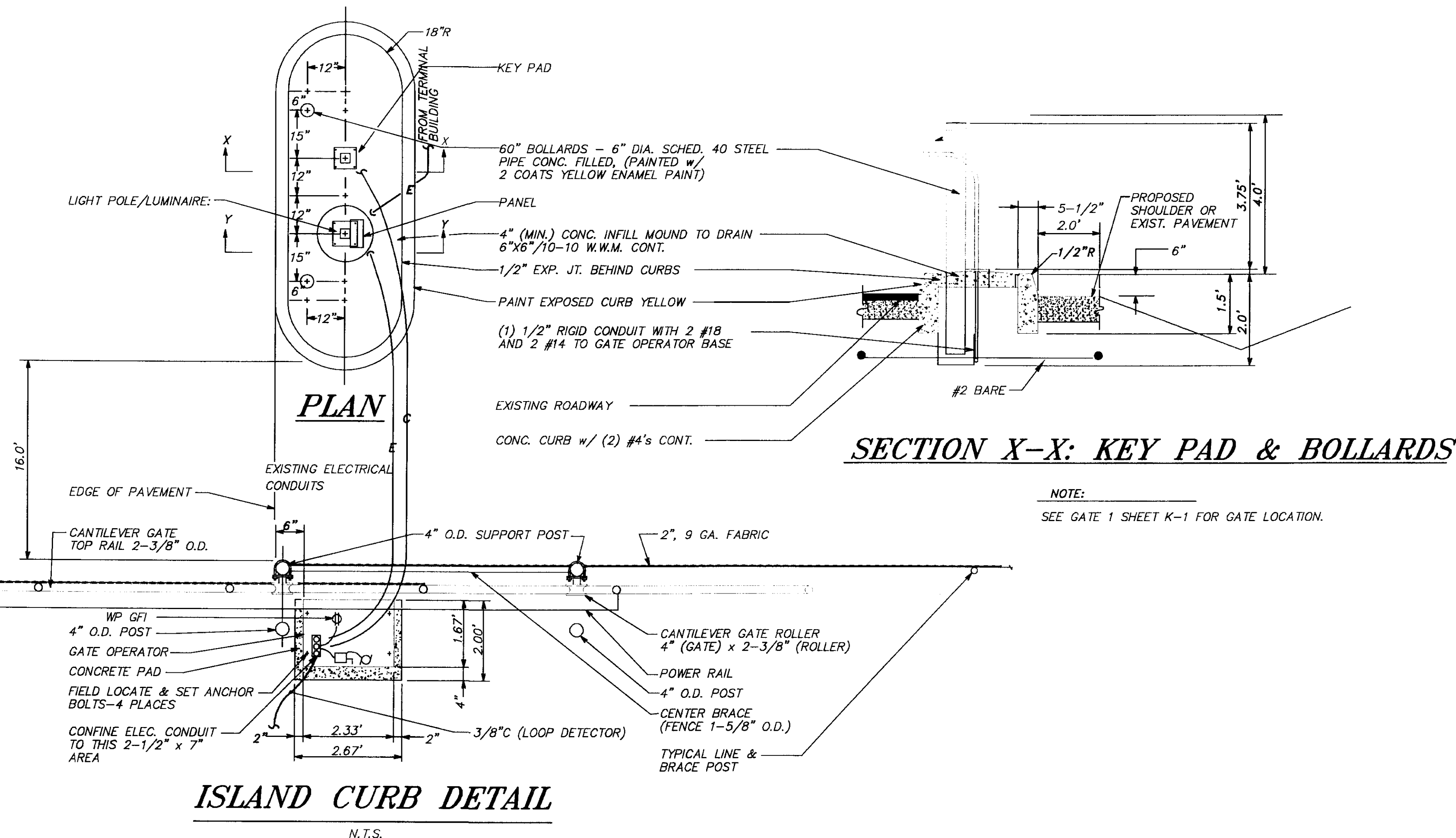




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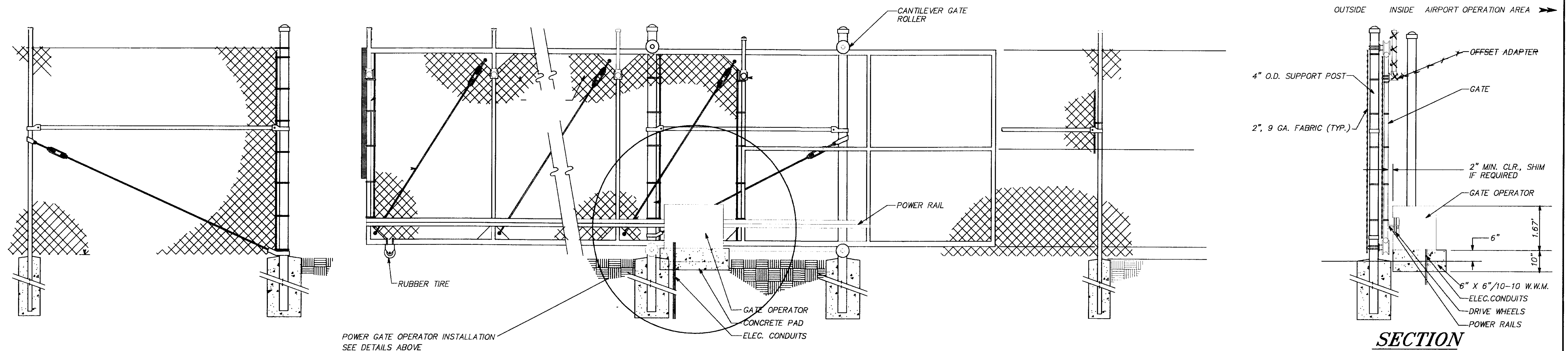
- ① BACKFILL W/ N.F.S. SAND & GRAVEL COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
- ② ANCHOR BOLTS TO MEET ATSM-A36 W/ MINIMUM YIELD STRESS OF 36.0 KSI.

SECTION Y-Y POLE BASE FOUNDATION



ISLAND CURB DETAIL

N.T.S.



POWER GATE OPERATOR ELEVATION

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

H: 0: [50Y] 71835 [PLANSE 1] - GOP	
H: PLOT 1=8 OR PLOT 1=16	
DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISTONS	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY

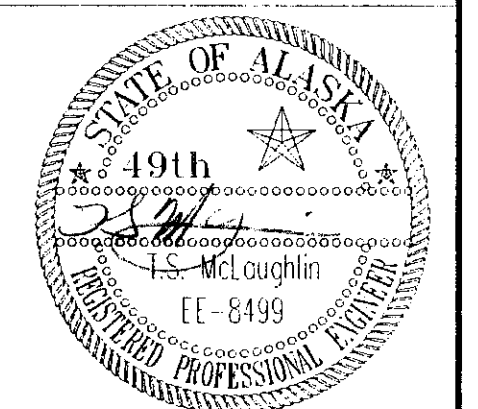
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. 3-02-0270-0399 PROJECT NO. 71835

GATE OPERATOR & ELECTRICAL LAYOUT DETAILS

ALASKA

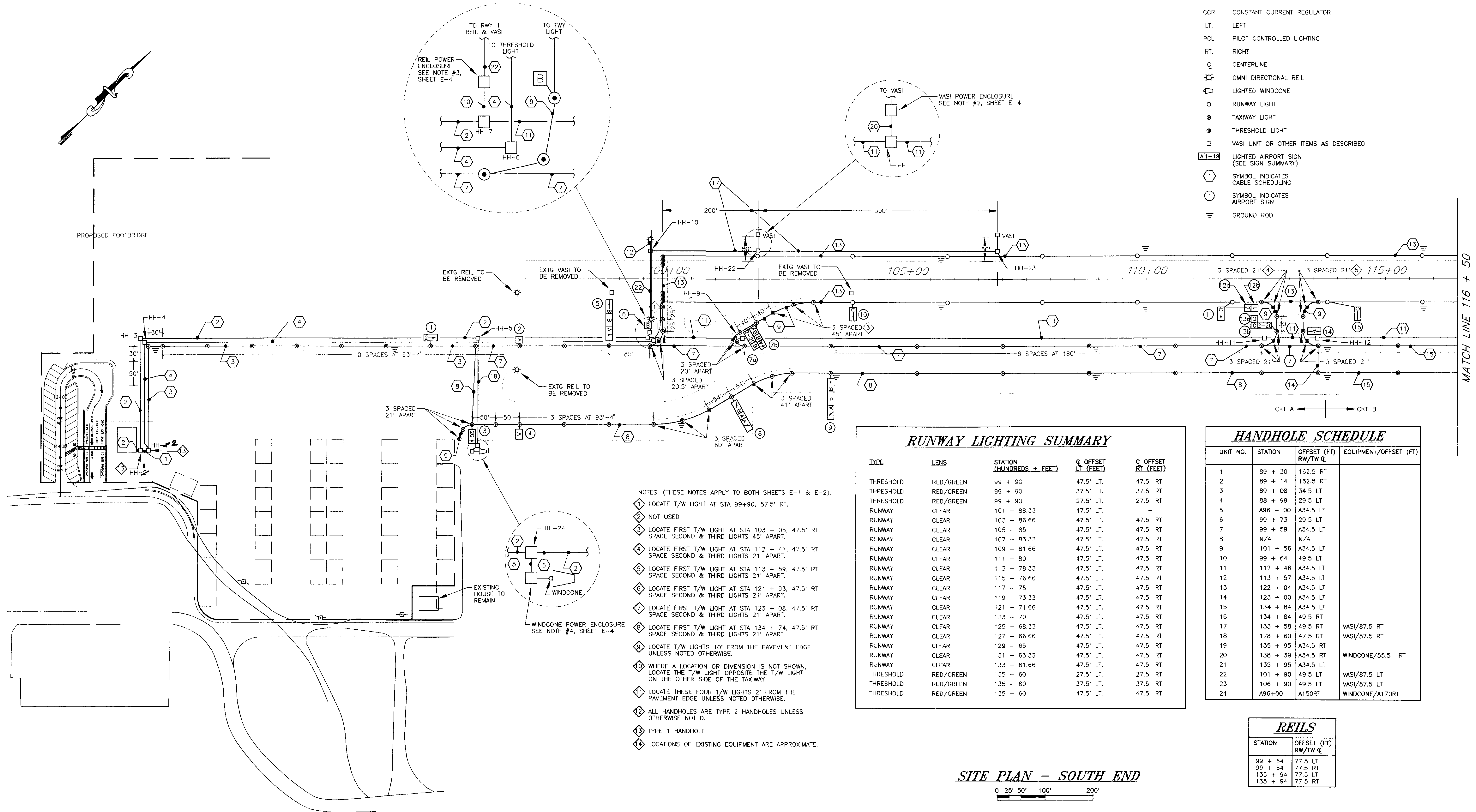
DESIGNED BY: T. MCLAUGHLIN	PROJECT NO. 71835
DRAWN BY: S. SNYDER	DATE: 1998
CHECKED BY: T. MCLAUGHLIN	SHEET K9 OF 100

ENGINEER'S SEAL



LEGEND

- CCR CONSTANT CURRENT REGULATOR
- LT. LEFT
- PCL PILOT CONTROLLED LIGHTING
- RT. RIGHT
- C CENTERLINE
- OMNI DIRECTIONAL REIL
- LIGHTED WINDCONE
- RUNWAY LIGHT
- TAXIWAY LIGHT
- THRESHOLD LIGHT
- VASI UNIT OR OTHER ITEMS AS DESCRIBED
- AR-19 LIGHTED AIRPORT SIGN (SEE SIGN SUMMARY)
- ① SYMBOL INDICATES CABLE SCHEDULING
- ① SYMBOL INDICATES AIRPORT SIGN
- ≡ GROUND ROD



RECORD OF REVISIONS		
PATH:	DATE:	DESCRIPTION OF CHANGE:
BY:		

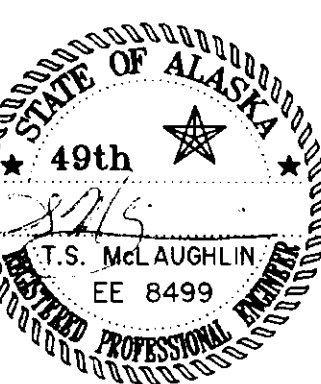
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0339 PROJECT NO. 71835
ELECTRICAL LAYOUT

DESIGNED BY:	MGM/TSM	PROJECT NO.	71835
DRAWN BY:	JLC/SPS	DATE:	JAN 1999
CHECKED BY:	TSM	SHEET L1 OF	

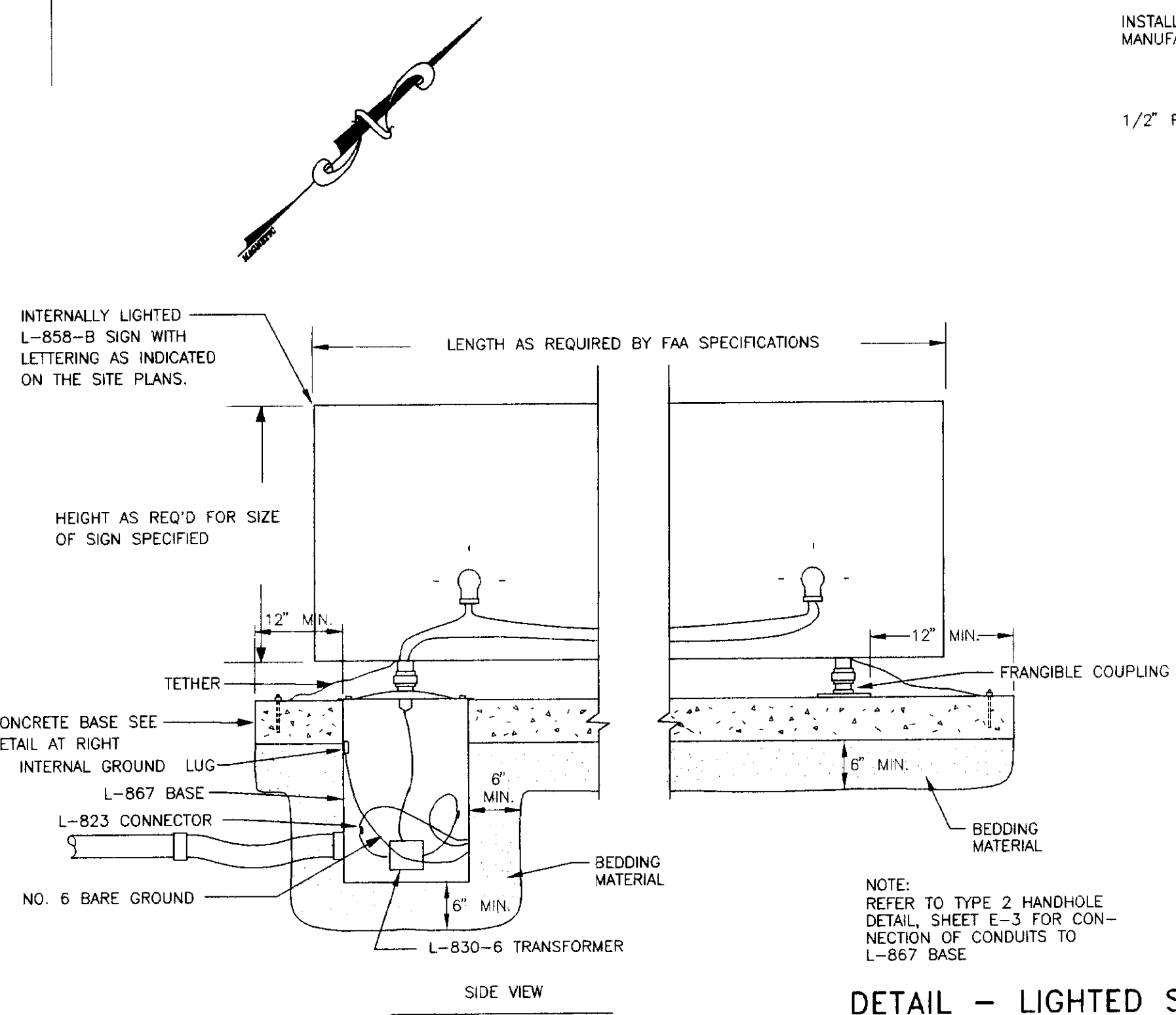
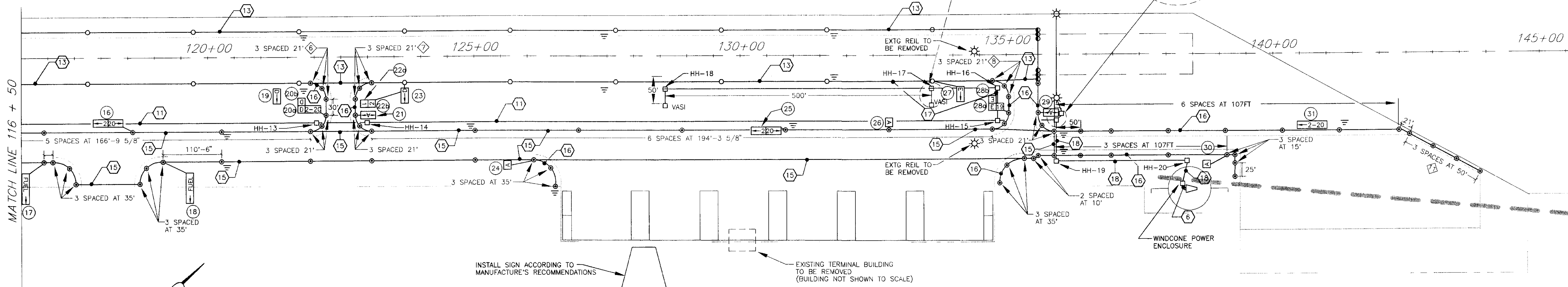
HAIGHT & McLAUGHLIN, INC.
CONSULTING ENGINEERS
410 Harris Street, Juneau, Alaska 99801 (907) 586-9788

E1 OF E6

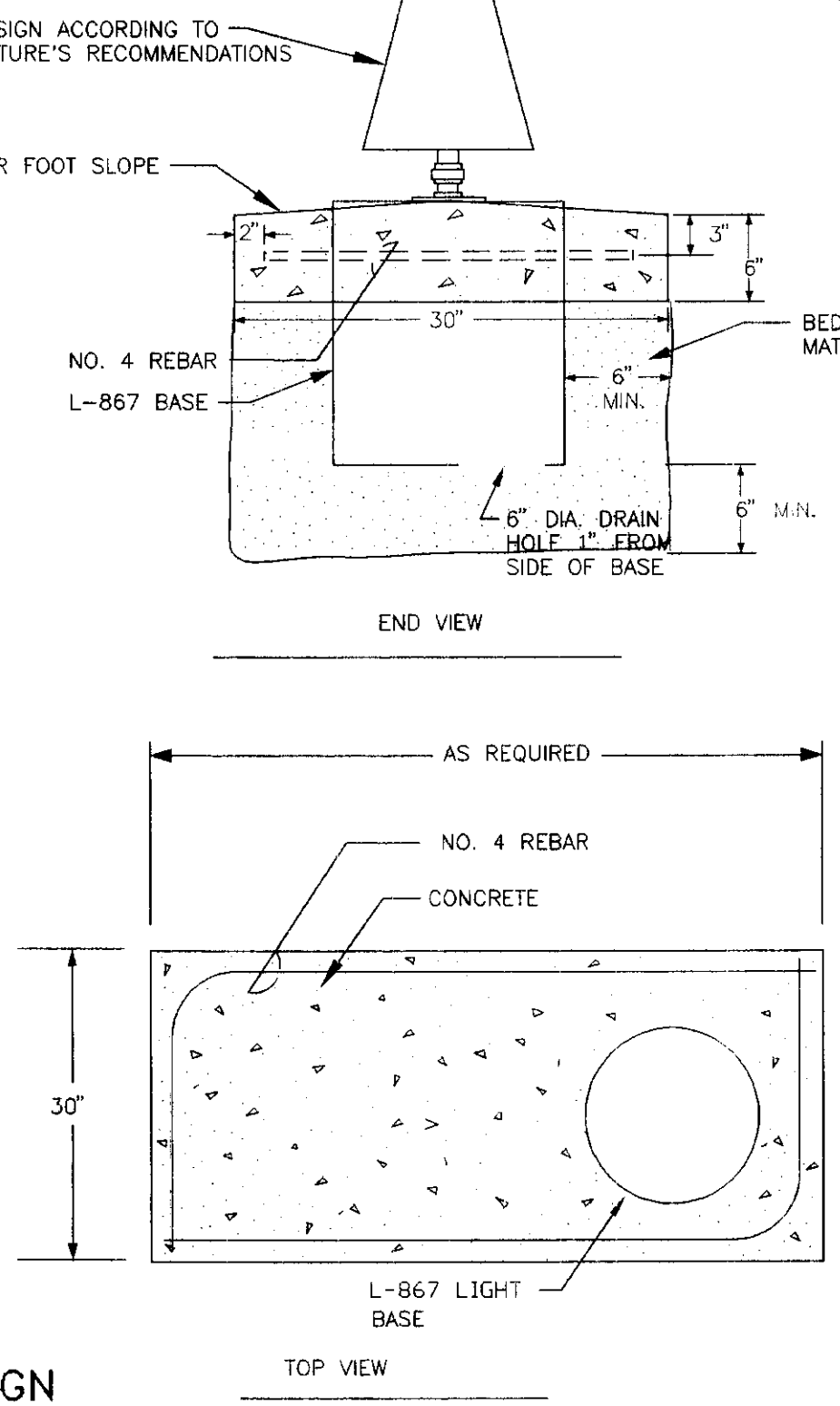


CABLING SCHEDULE				REMARKS			
NO.	RACEWAY	CONDUCTOR	PURPOSE	NO.	RACEWAY	CONDUCTOR	PURPOSE
1	2"	2 NO. 8, 5 KV 2 NO. 8, 5 KV 2 NO. 8, 5 KV	RWY LTS. TWY LTS.-CKT. A TWY LTS.-CKT. B	11	2"	4 NO. 8, 600V 4 NO. 10, 600V 2 NO. 8, 600V 2 NO. 8, 600V	REILS POWER (480V) REILS CONTROL (120V) VASI POWER (480V) WINDCONE POWER (480V)
2	2"	2 NO. 8, 600V 2 NO. 8, 600V 2 NO. 8, 600V 8 NO. 10, 600V	WINDCONES POWER (480V) VASI POWER (480V) REILS POWER (480V) REILS CONTROL (120V)	12	3/4"C	3 NO. 12, 600V 1 NO. 12 GND, 600V 4 NO. 10, 600V	REILS POWER (120/240V) REILS CONTROL (120V)
3	2"	2 NO. 8, 5 KV 2 NO. 8, 5 KV	TWY LTS.-CKT. A TWY LTS.-CKT. B	13	2"	1 NO. 8, 5 KV	RWY LTS.
4	2"	2 NO. 8, 5 KV	RWY LTS.	14	2"	1 NO. 8, 5 KV 1 NO. 8, 5 KV	TWY LTS.-CKT. A TWY LTS.-CKT. B
5	2"	4 NO. 8, 600V	WINDCONE POWER (480V)	15	2"	1 NO. 8, 5 KV	TWY LTS.-CKT. B
6	3/4"C	2 NO. 12, 600V 1 NO. 12 GND, 600V	WINDCONE POWER (120V)	16	2"	2 NO. 8, 5 KV	TWY LTS.-CKT. B
7	2"	1 NO. 8, 5 KV 2 NO. 8, 5 KV	TWY LTS.-CKT. A TWY LTS.-CKT. B	17	2"	2 NO. 8, 600V	VASI
8	2"	1 NO. 8, 5 KV	TWY LTS.-CKT. A	18	2"	2 NO. 8, 600V	WINDCONE POWER (480V)
9	2"	2 NO. 8, 5 KV	TWY LTS.-CKT. A	19	2"	2 NO. 8, 600V 4 NO. 10, 600V	RWY 19 REILS POWER (480V) RWY 19 REILS CONTROL (120V)
10	2"	4 NO. 8, 600V 4 NO. 10, 600V	REILS POWER (480V) REILS CONTROL (120V)	20	2"	4 NO. 8, 600V	VASI POWER (480V)
				21	2"	2 NO. 8, 600V	VASI POWER (480V)
				22	2"	3 NO. NO. 600V 1 NO. 12 GND, 600V 4 NO. 10, 600V	REILS POWER (120/240V) REILS CONTROL (120V)

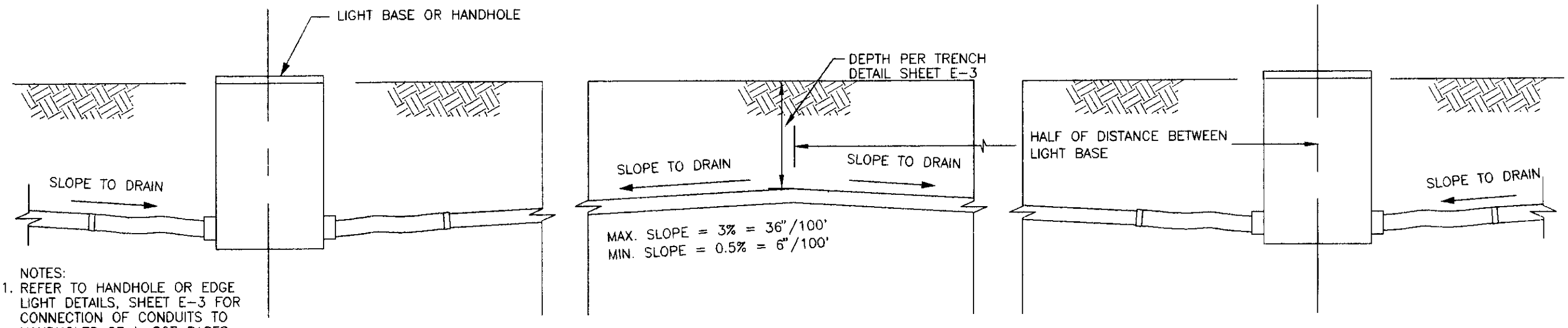
NOTE: PROVIDE GRS CONDUIT FOR ALL TAXIWAY AND RUNWAY CROSSINGS.



DETAIL - LIGHTED SIGN
NO SCALE



SITE PLAN - NORTH END



DETAIL: CONDUIT INSTALLATION (TYP)
NO SCALE

PATH:	BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY
FED. NO. 71835
SKAGWAY AIRPORT IMPROVEMENTS
AIP. 3-02-0270-0339 PROJECT NO. 71835
ELECTRICAL LAYOUT
ALASKA

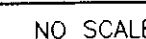
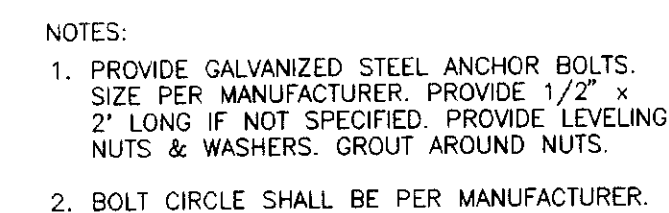
DESIGNED BY:	MGM/TSM	PROJECT NO.	71835
DRAWN BY:	JLC/SPS	DATE:	JAN 1999
CHECKED BY:	TSM	SHEET	L2 OF

E2 OF E6

HAIGHT & McLAUGHLIN, INC.
CONSULTING ENGINEERS
410 Harris Street, Juneau, Alaska 99801 (907) 586-9788

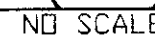
STATE OF ALASKA
49th
T.S. McLAUGHLIN
EE 8499
REGISTERED PROFESSIONAL ENGINEER

AIRPORT SIGN SUMMARY											
SIGN NO.	LEGEND	LETTER SIZE & COLOR	BACKGROUND COLOR	LEGEND DIRECTION	RWY STATION OR LOCATION	RWY OR TWY OFFSET DIST. TO NEAR EDGE OF SIGN	REMARKS	TYPE OF SIGN	SIGN	NO. OF MODULES	
1	2 X →	12" BLACK	YELLOW	S.E.	RAMP	20' FROM RAMP EDGE LINE		OUTBOUND DESTINATION	1	AS REQUIRED	
2	B	12" YELLOW	BLACK	S.W.	TWY	20' FROM TWY EDGE LINE		TAXIWAY LOCATION	1	AS REQUIRED	
3	10 18 ↑	12" BLACK	YELLOW	S.W.	TWY	20' FROM TWY EDGE LINE		OUTBOUND DESTINATION	1	AS REQUIRED	
4	A	12" YELLOW	BLACK	S.W.	TWY	20' FROM TWY EDGE LINE		TAXIWAY LOCATION	1	AS REQUIRED	
5	← B B A ↑	12" BLK/YEL/BLK	YEL/BLK/YEL	S.W.	TWY	20' FROM TWY EDGE LINE		DIR/TWY LOC/DIR	1	AS REQUIRED	
6	B X ↑	12" YELLOW/WHITE	BLACK/RED	S.E.	TWY	20' FROM TWY EDGE LINE		TWY LOC/HOLD	1	AS REQUIRED	
7a	20 18 19 B	12" WHITE/YELLOW	RED/BLACK	S	TWY	20' FROM TWY EDGE LINE	LOCATE IN LINE WITH HOLD LINE ±5'	HOLD/TWY LOC	1	AS REQUIRED	
7b	↖ A B ↗	12" BLK/YEL/BLK	YEL/BLK/YEL	N	TWY	20' FROM TWY EDGE LINE	MOUNT IN BACK OF 7a	DIR/TWY LOC/DIR	1	AS REQUIRED	
8	↖ B A ↗	12" BLK/YEL/BLK	YEL/BLK/YEL	S	TWY	20' FROM TWY EDGE LINE		DIR/TWY LOC/DIR	1	AS REQUIRED	
9	↖ A B →	12" BLK/YEL/BLK	YEL/BLK/YEL	N.E.	TWY	20' FROM TWY EDGE LINE		DIR/TWY LOC/DIR	1	AS REQUIRED	
10	← B	12" BLACK	YELLOW	N.E.	103+86.66	57.5' RT.		RUNWAY EXIT	1	AS REQUIRED	
11	C →	12" BLACK	YELLOW	S.W.	111+55'	57.5' RT.		RUNWAY EXIT	1	AS REQUIRED	
12a	2	25" WHITE	BLACK	S.W.	112+25'	62.5' RT.		RWY DIST.	5	AS REQUIRED	
12b	1	25" WHITE	BLACK	N.E.	112+25'	62.5' RT.	MOUNT IN BACK OF 12a	RWY DIST.	5	AS REQUIRED	
13a	C	12" YELLOW	BLACK	N.W.	TWY	20' FROM TWY EDGE LINE		TAXIWAY LOCATION	1	AS REQUIRED	
13b	C 18 19	12" YEL/WHITE	BLACK/RED	S.E.	TWY	20' FROM TWY EDGE LINE	MOUNT IN BACK OF 13a	TWY LOC/HOLD	1	AS REQUIRED	
14	← A →	12" BLACK	YELLOW	N.W.	TWY	20' FROM TWY EDGE LINE		DIRECTIONAL:TAXIWAY	1	AS REQUIRED	
15	← C	12" BLACK	YELLOW	N.E.	114+45'	57.5' RT.		RUNWAY EXIT	1	AS REQUIRED	
16	2 18 19 →	12" BLACK/BLACK	YELLOW/YELLOW	S.E.	TWY	20' FROM TWY EDGE LINE		OUTBOUND DESTINATION	1	AS REQUIRED	
17	FUEL →	12" BLACK	YELLOW	S.W.	TWY	20' FROM TWY EDGE LINE		INBOUND DESTINATION	1	AS REQUIRED	
18	← FUEL	12" BLACK	YELLOW	N.E.	TWY	20' FROM TWY EDGE LINE		INBOUND DESTINATION	1	AS REQUIRED	
19	D →	12" BLACK	YELLOW	S.W.	121+30'	57.5' RT.		RUNWAY EXIT	1	AS REQUIRED	
20a	D 18 19	12" YELLOW/WHITE	BLACK/RED	S.E.	TWY	20' FROM TWY EDGE LINE	LOCATE IN LINE WITH HOLD LINE ±5'	TWY LOC/HOLD	1	AS REQUIRED	
20b	D	12" YELLOW	BLACK	N.W.	TWY	20' FROM TWY EDGE LINE	MOUNT IN BACK OF 20a	TAXIWAY LOCATION	1	AS REQUIRED	
21	← A →	12" BLACK	YELLOW	N.W.	TWY	20' FROM TWY EDGE LINE		DIRECTIONAL:TAXIWAY	1	AS REQUIRED	
22a	1	25" WHITE	BLACK	S.W.	123+00	62.5' RT.		RWY DIST.	5	AS REQUIRED	
22b	2	25" WHITE	BLACK	N.E.	123+00	62.5' RT.	MOUNT IN BACK OF 22a	RWY DIST.	5	AS REQUIRED	
23	← D	12" BLACK	YELLOW	N.E.	123+70'	57.5' RT.		RUNWAY EXIT	1	AS REQUIRED	
24	A	12" YELLOW	BLACK	N.E.	TWY	20' FROM TWY EDGE LINE		TAXIWAY LOCATION	1	AS REQUIRED	
25	2 18 19 →	12" BLK/BLK	YELLOW/YELLOW	S.E.	TWY	20' FROM TWY EDGE LINE		OUTBOUND DESTINATION	1	AS REQUIRED	
26	A	12" YELLOW	BLACK	S.W.	TWY	20' FROM TWY EDGE LINE		TAXIWAY LOCATION	1	AS REQUIRED	
27	E →	12" BLACK	YELLOW	S.W.	134+15'	57.5' RT.		RUNWAY EXIT	1	AS REQUIRED	
28a	E 18 20	12" YELLOW/WHITE	BLACK/RED	S.E.	TWY	20' FROM TWY EDGE LINE	LOCATE IN LINE WITH HOLD LINE ±5'	TWY LOC/HOLD	1	AS REQUIRED	
28b	E	12" YELLOW	BLACK	N.W.	TWY	20' FROM TWY EDGE LINE	MOUNT IN BACK OF 28a	TAXIWAY LOCATION	1	AS REQUIRED	
29	← A →	12" BLACK	YELLOW	N.W.	TWY	20' FROM TWY EDGE LINE		DIRECTIONAL:TAXIWAY	1	AS REQUIRED	
30	A	12" YELLOW	BLACK	N.E.	TWY	20' FROM TWY EDGE LINE		TAXIWAY LOCATION	1	AS REQUIRED	
31	← 18 19 20	12" BLACK	YELLOW	S.E.	TWY	20' FROM TWY EDGE LINE		OUTBOUND DESTINATION	1	AS REQUIRED	



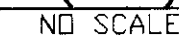
NOTES:

1. SLOPE CONDUIT AT 0.5% - 3% WITH THE HIGH POINT CENTERED BETWEEN LIGHT BASES OR HANDHOLES. WHERE CONDUIT STUBS OUT OF GROUND AT ONE END, SLOPE TO DRAIN INTO LIGHT BASE OR HANDHOLES.



NOTES:

1. TYPE 1 HANDHOLE SHALL BE 48" WIDE X 48" LONG X 48" DEEP OUTSIDE DIMENSIONS. UTILIVault 444-LA OR APPROVED EQUAL.
2. THE COVERS FOR HAND HOLES SHALL BE LABELLED "ELECTRICAL".
3. LOOP ALL CABLES ONE REVOLUTION MIN. AROUND Vault. SUPPORT ON RUNGS.



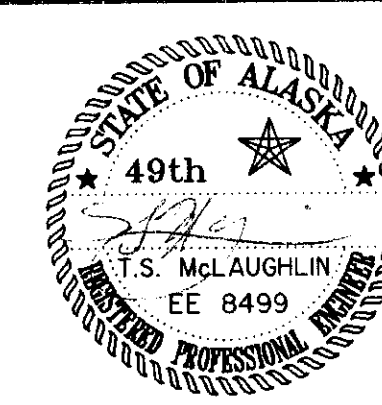
NOTES:
1. PROVIDE NECESSARY REDUCERS IF CONDUIT
SMALLER THAN 2" IS USED.

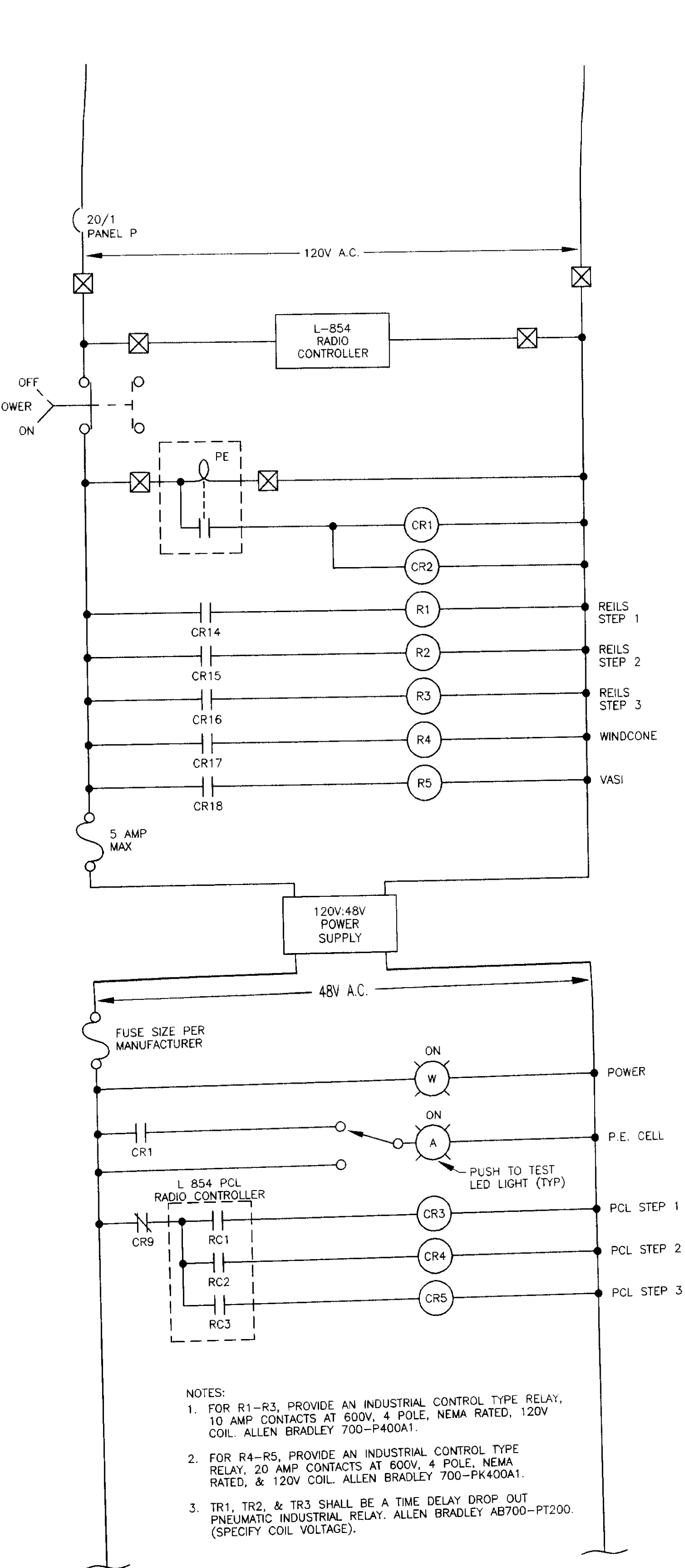
PATH:		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

FED. NO. *SKAGWAY AIRPORT IMPROVEMENTS*
AIP.. 3-02-0270-0339 PROJECT NO. 71835
ELECTRICAL LAYOUT

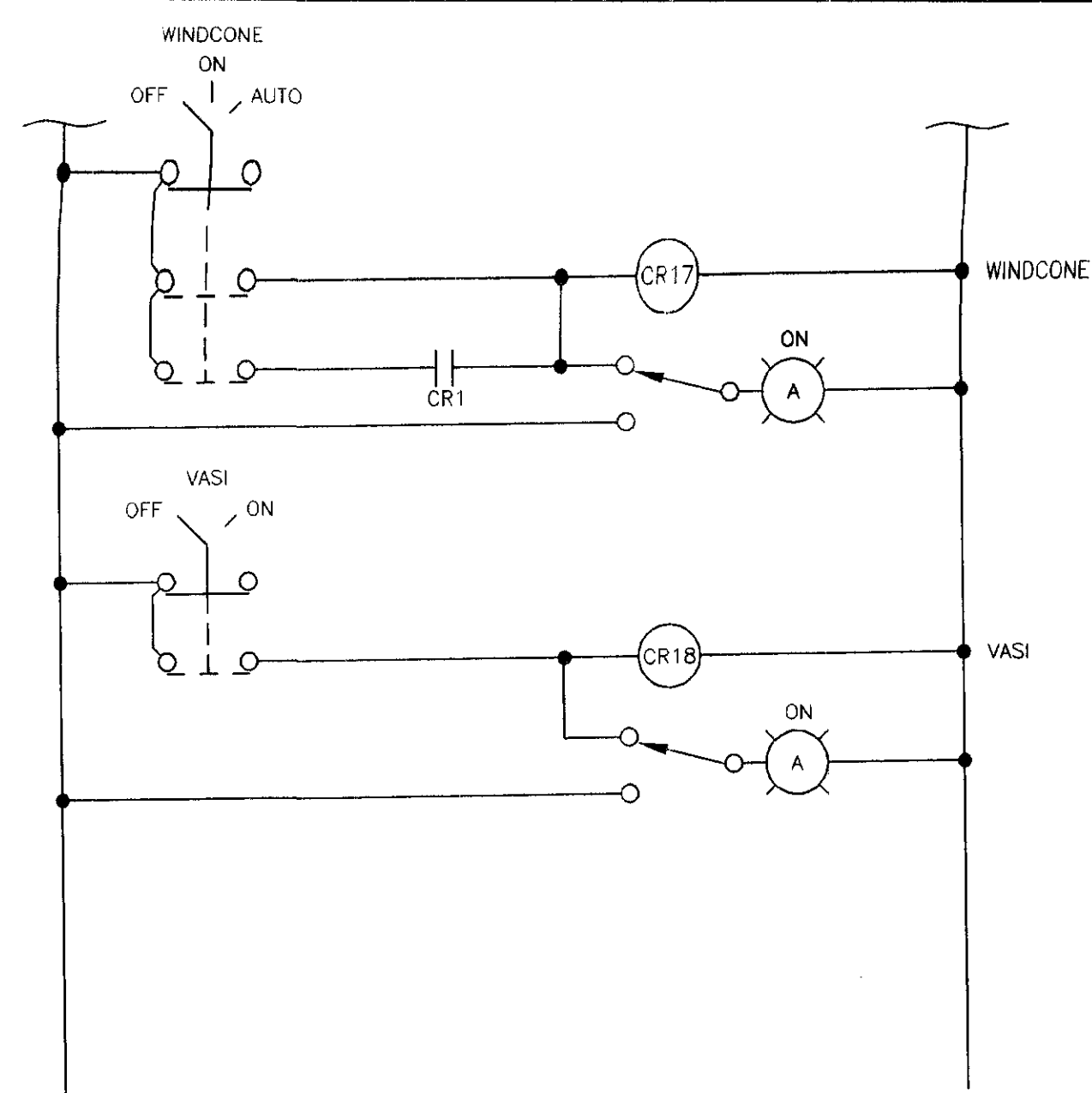
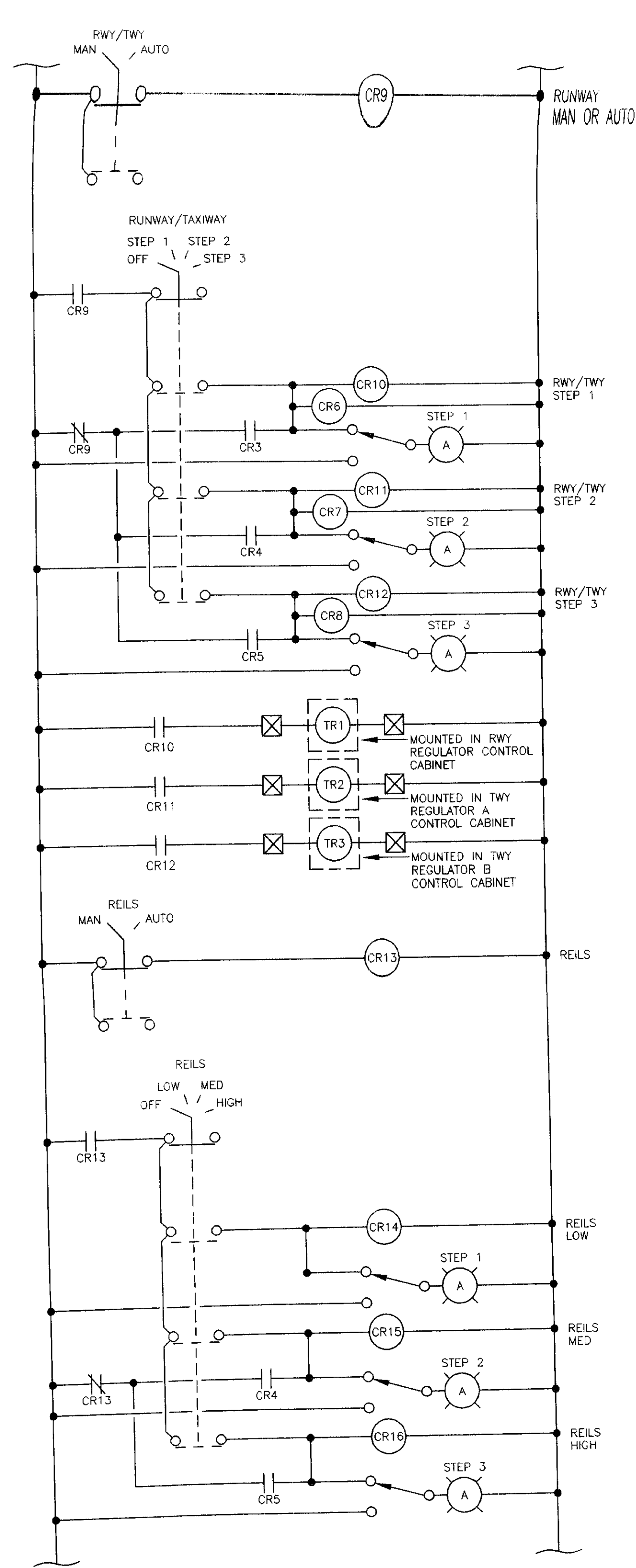
ALASKA

PROJECT NO.	71835
DATE:	JAN 1999
SHEET L3 OF	

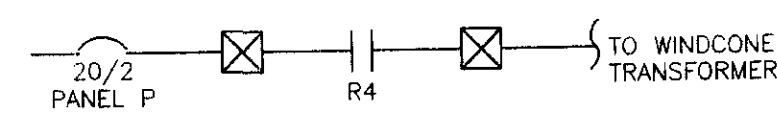




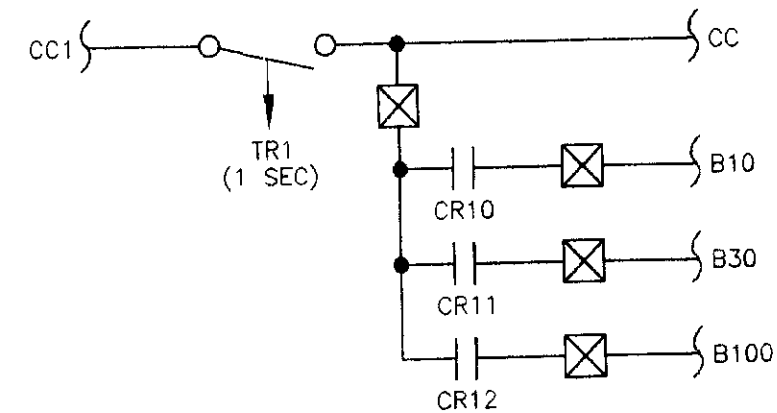
AIRPORT LIGHTING CONTROLS SCHEMATIC



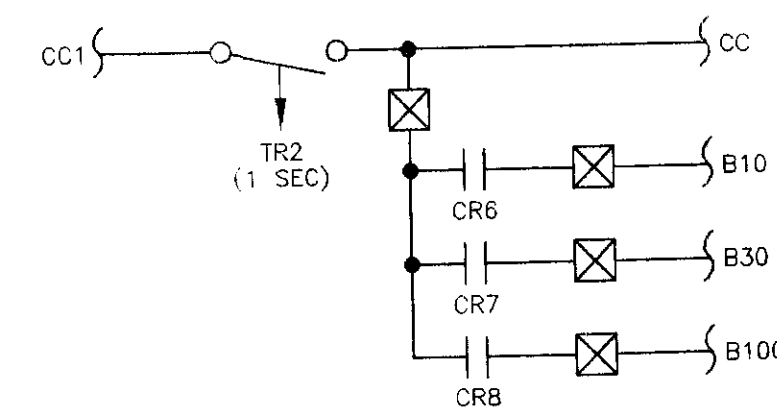
CONTROLS SCHEMATIC CONT'D



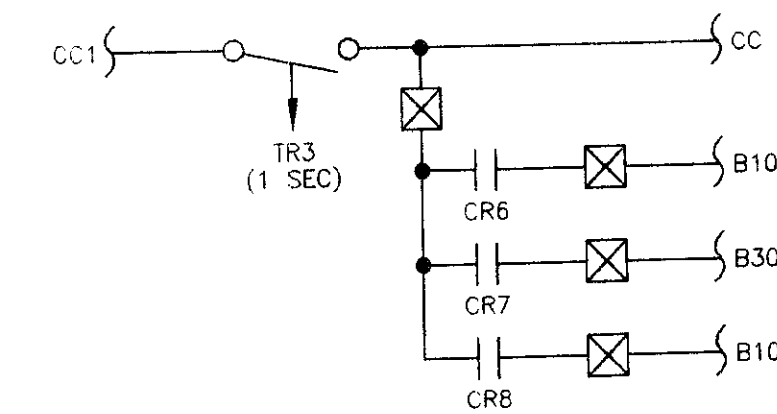
WINDCONE POWER



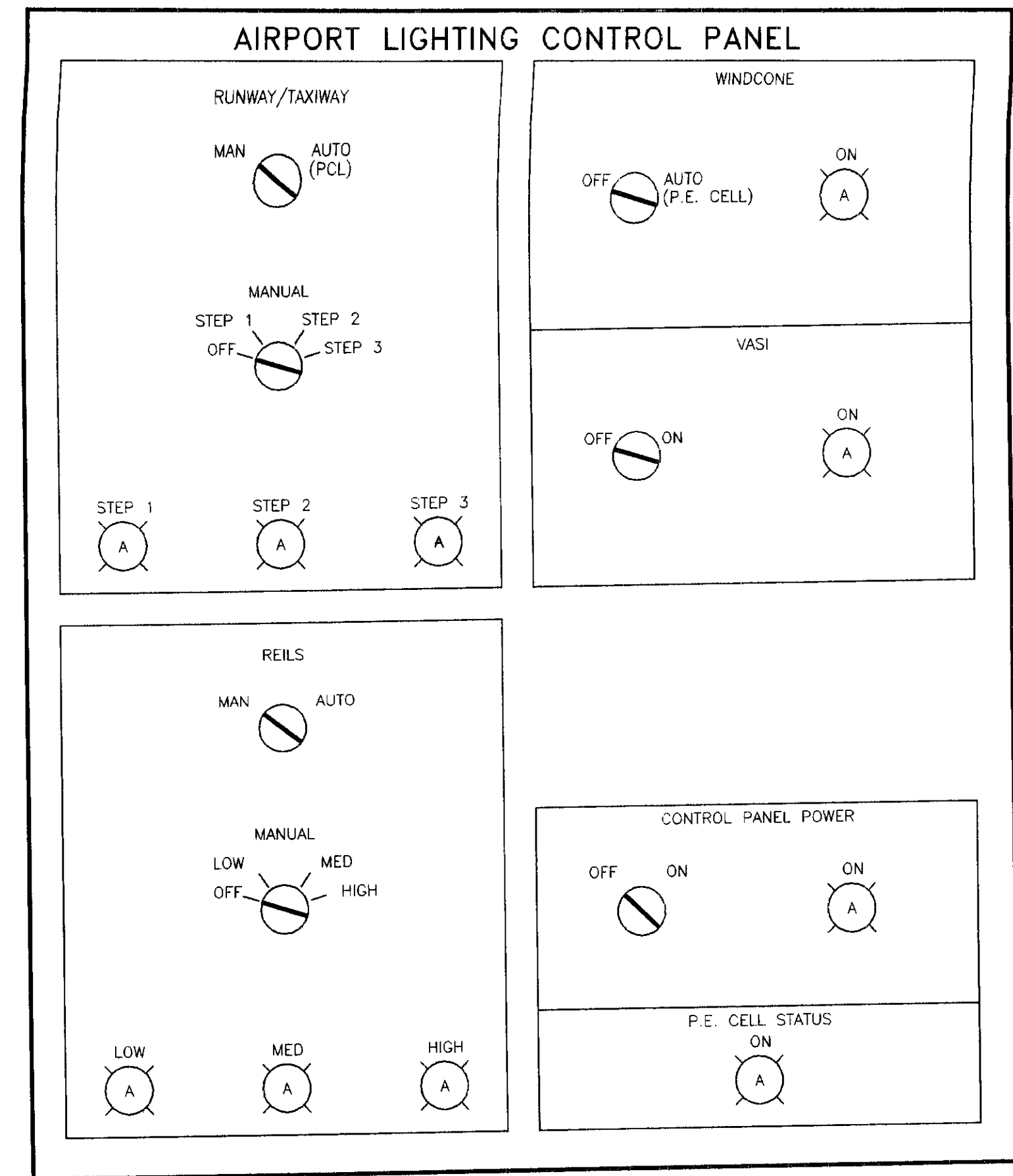
RUNWAY REGULATOR (10 KW)



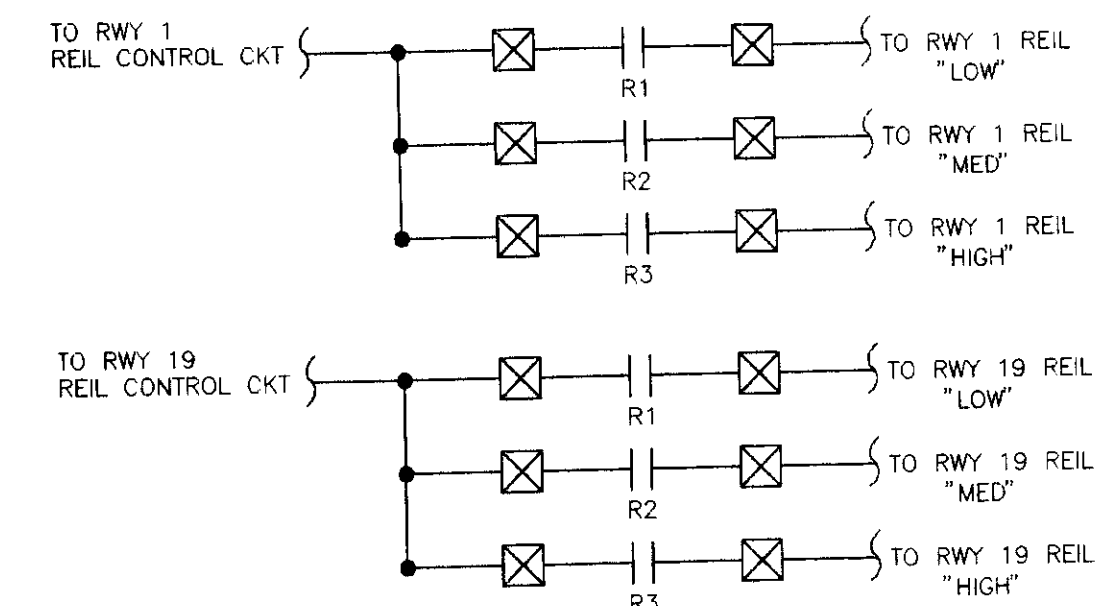
TAXIWAY REGULATOR A (10 KW)



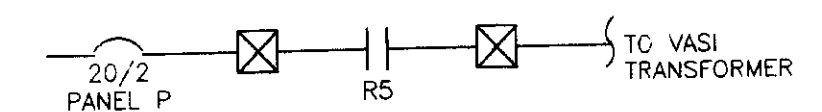
TAXIWAY REGULATOR B (10 KW)



FRONT VIEW - LIGHTING CONTROL PANEL



REILS CONTROL



VASI POWER

DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

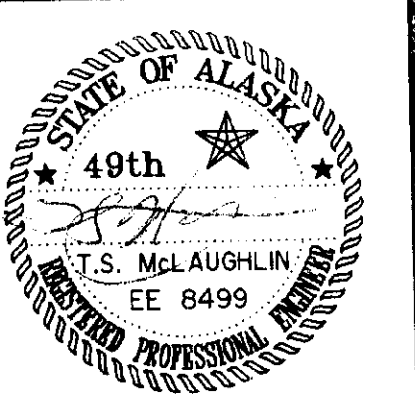
SKAGWAY
FED. NO. AIP.. 3-02-0270-0339 PROJECT NO. 71835
ELECTRICAL LAYOUT

DESIGNED BY: MGM/TSM
DRAWN BY: JLC/SPS
CHECKED BY: TSM

PROJECT NO. 71835
DATE: JAN 1999
SHEET L5 OF

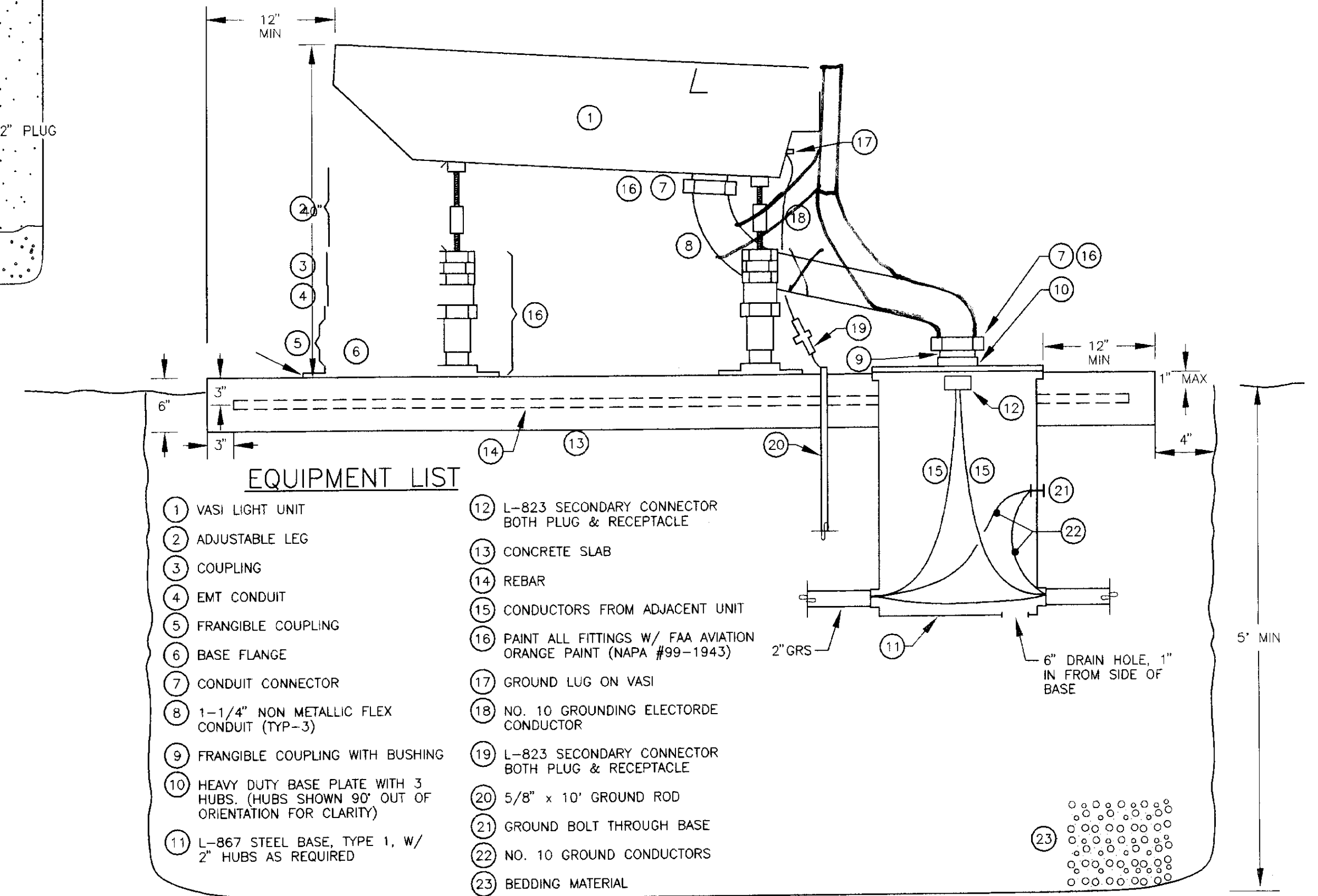
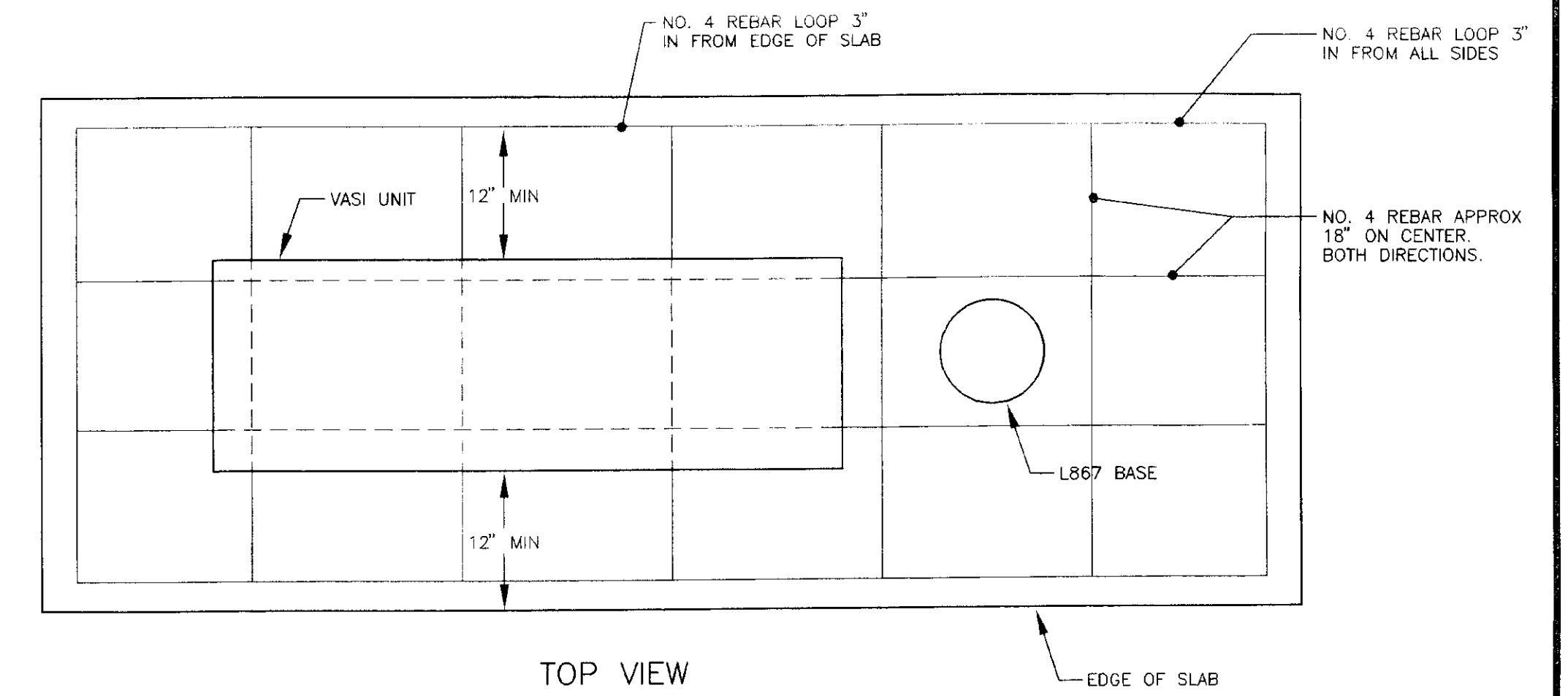
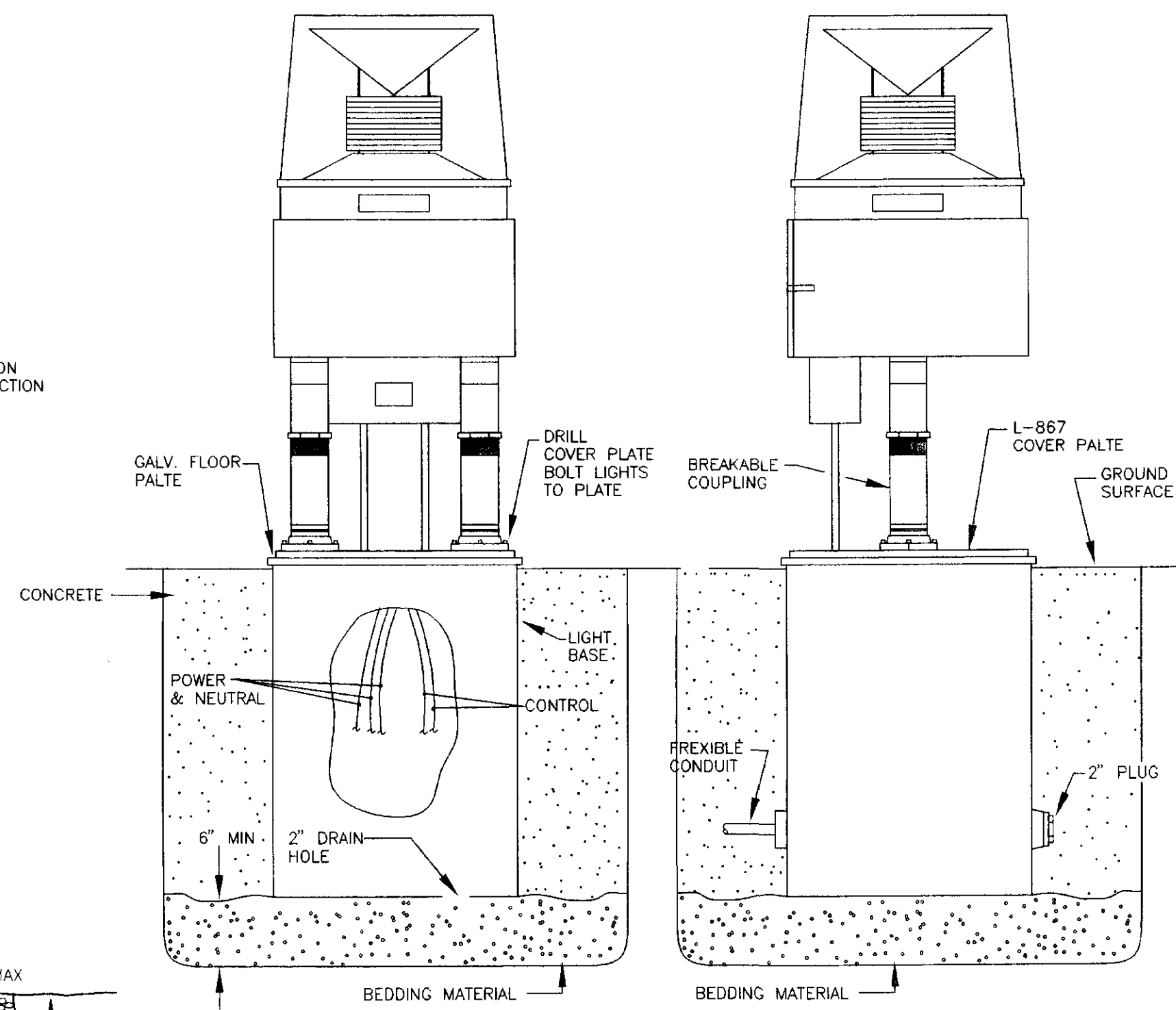
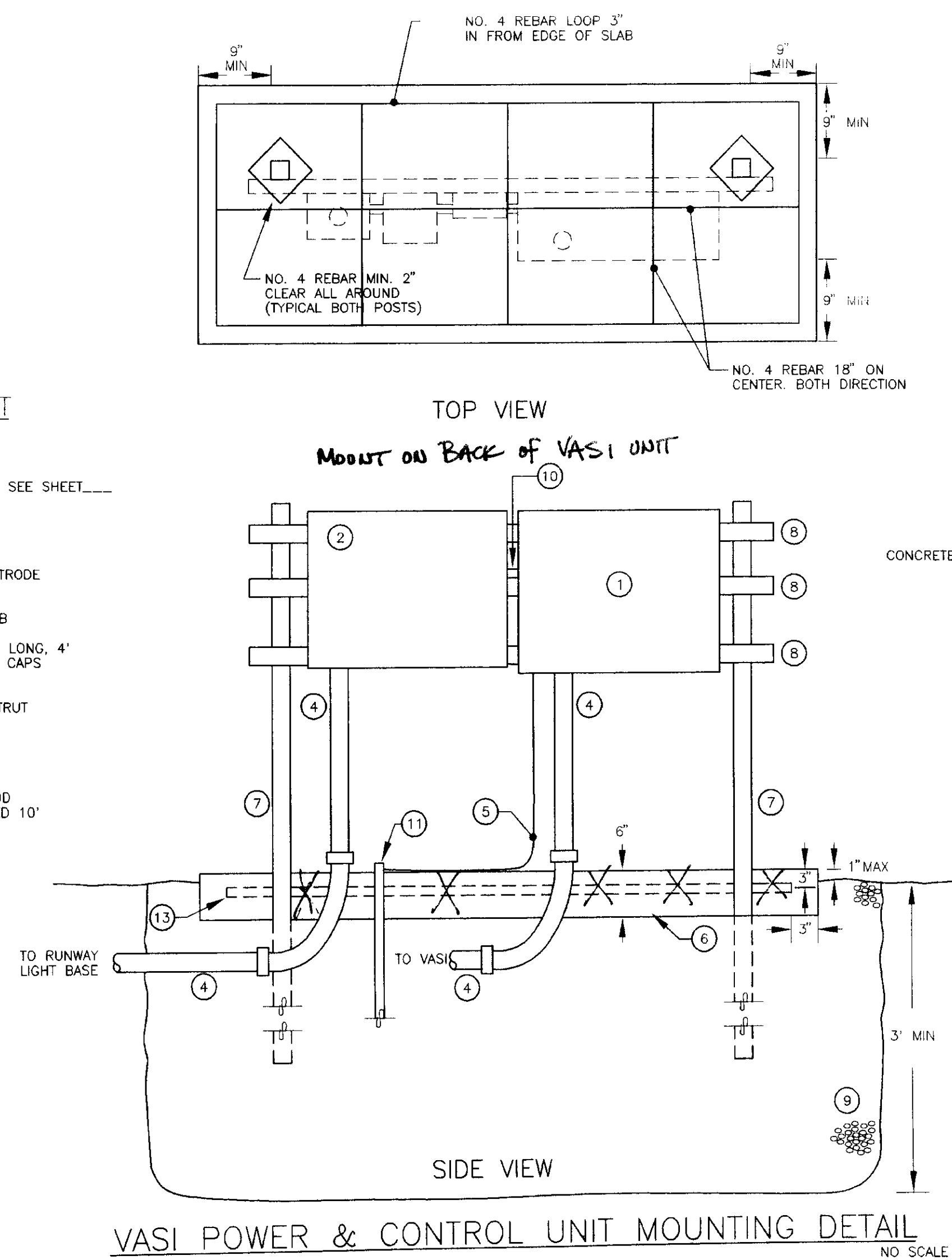
HAIGHT & McLAUGHLIN, INC.
CONSULTING ENGINEERS
418 Harris Street, Juneau, Alaska 99801 (907) 586-9788

E5 OF E6



EQUIPMENT LIST

- ① VASI CONTROL UNIT
- ② VASI POWER ENCLOSURE SEE SHEET.....
- ③ NOT USED
- ④ 2" GRS CONDUIT
- ⑤ NO. 8 GROUNDING ELECTRODE CONDUCTOR
- ⑥ 6" DEEP CONCRETE SLAB
- ⑦ 4" x 4" GALV. STEEL 6' LONG, 4' ABOVE GRADE WITH END CAPS ON TOP
- ⑧ GALVANIZED STEEL UNISTRUT
- ⑨ BEDDING MATERIAL
- ⑩ 1/2" GRS NIPPLE
- ⑪ 5/8" x 10' GROUND ROD (TYPICAL OF TWO SPACED 10' APART)
- ⑫ NOT USED
- ⑬ NO. 4 REBAR

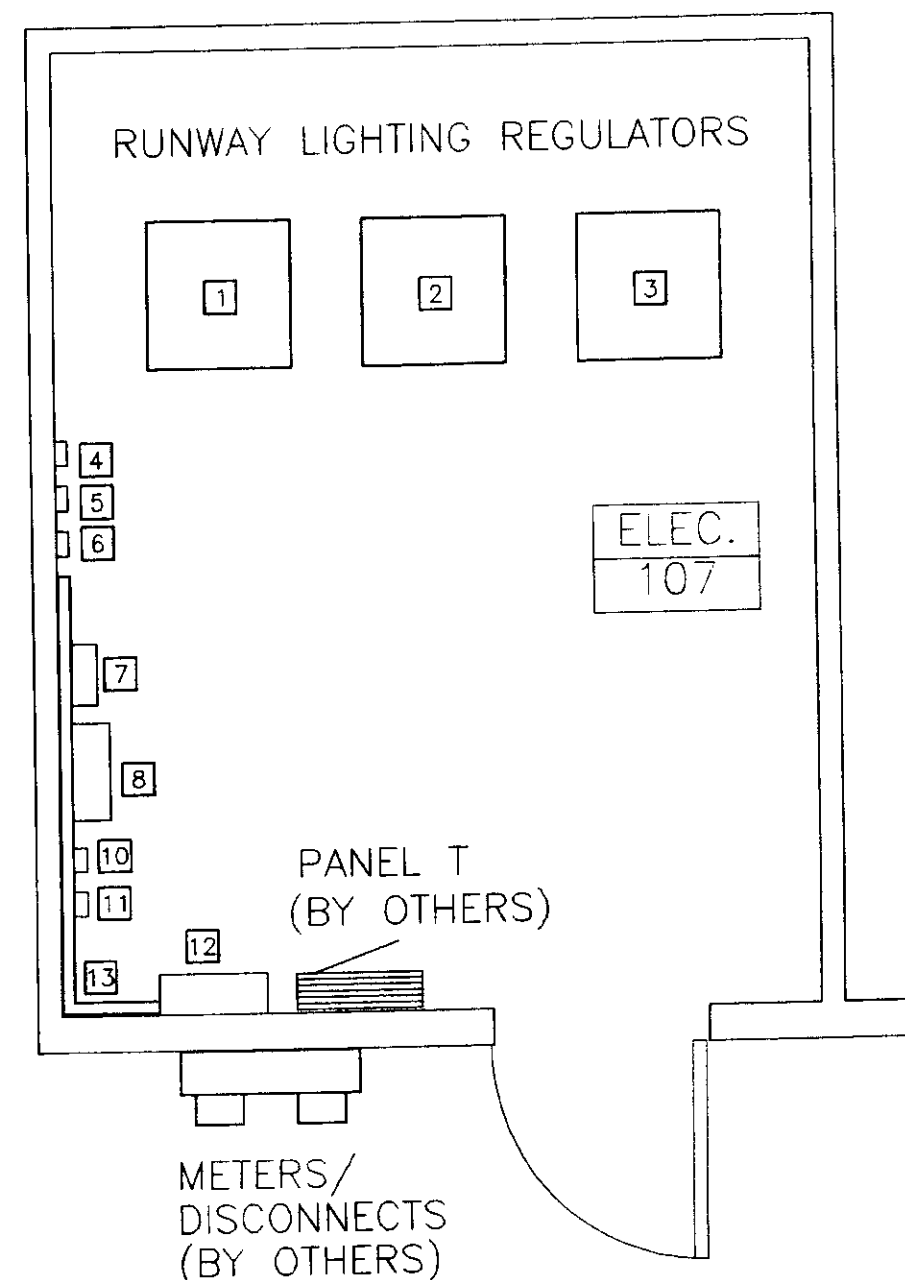


EQUIPMENT LIST

- ① VASI LIGHT UNIT
- ② ADJUSTABLE LEG
- ③ COUPLING
- ④ EMT CONDUIT
- ⑤ FRANGIBLE COUPLING
- ⑥ BASE FLANGE
- ⑦ CONDUIT CONNECTOR
- ⑧ 1-1/4" NON METALLIC FLEX CONDUIT (TYP-3)
- ⑨ FRANGIBLE COUPLING WITH BUSHING
- ⑩ HEAVY DUTY BASE PLATE WITH 3 HUBS. (HUBS SHOWN 90° OUT OF ORIENTATION FOR CLARITY)
- ⑪ L-867 STEEL BASE, TYPE 1, W/ 2" HUBS AS REQUIRED
- ⑫ L-823 SECONDARY CONNECTOR BOTH PLUG & RECEPTACLE
- ⑬ CONCRETE SLAB
- ⑭ REBAR
- ⑮ CONDUCTORS FROM ADJACENT UNIT
- ⑯ PAINT ALL FITTINGS W/ FAA AVIATION ORANGE PAINT (NAPA #99-1943)
- ⑰ GROUND LUG ON VASI
- ⑱ NO. 10 GROUNDING ELECTRODE CONDUCTOR
- ⑲ L-823 SECONDARY CONNECTOR BOTH PLUG & RECEPTACLE
- ⑳ 5/8" x 10' GROUND ROD
- ㉑ GROUND BOLT THROUGH BASE
- ㉒ NO. 10 GROUND CONDUCTORS
- ㉓ BEDDING MATERIAL

EQUIPMENT LIST

- ① RUNWAY REGULATOR
- ② TAXIWAY REGULATOR - CKT A
- ③ TAXIWAY REGULATOR - CKT B
- ④ PLUG CUTOFF RWY REGULATOR
- ⑤ PLUG CUTOFF TWY REGULATOR - CKT A
- ⑥ PLUG CUTOFF TWY REGULATOR - CKT B
- ⑦ PCL RADIO CONTROLLER
- ⑧ LIGHTING CONTROL PANEL
- ⑨ 3 KVA STEP UP TRANSFORMER (WINDCONE)
- ⑩ 2 KVA STEP UP TRANSFORMER (REILS)
- ⑪ 3 KVA STEP UP TRANSFORMER (VASI)
- ⑫ PANEL P
- ⑬ 6" x 6" WIREWAY MOUNT AT 36" AFF. MOUNT ALL EQUIPMENT 12" - 18" ABOVE WIREWAY. USE WIREWAY WHERE POSSIBLE. DO NOT USE WIREWAY FOR CONTROL WIRING EXCEPT FOR REILS.



PATH:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

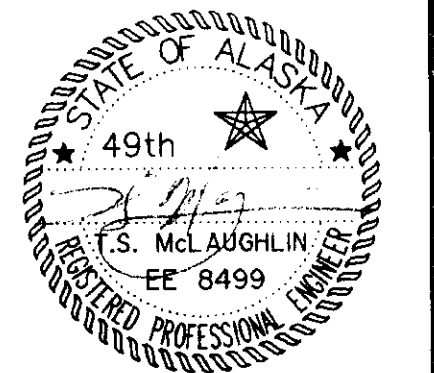
SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP. 3-02-0270-0339 PROJECT NO. 71835
ELECTRICAL LAYOUT

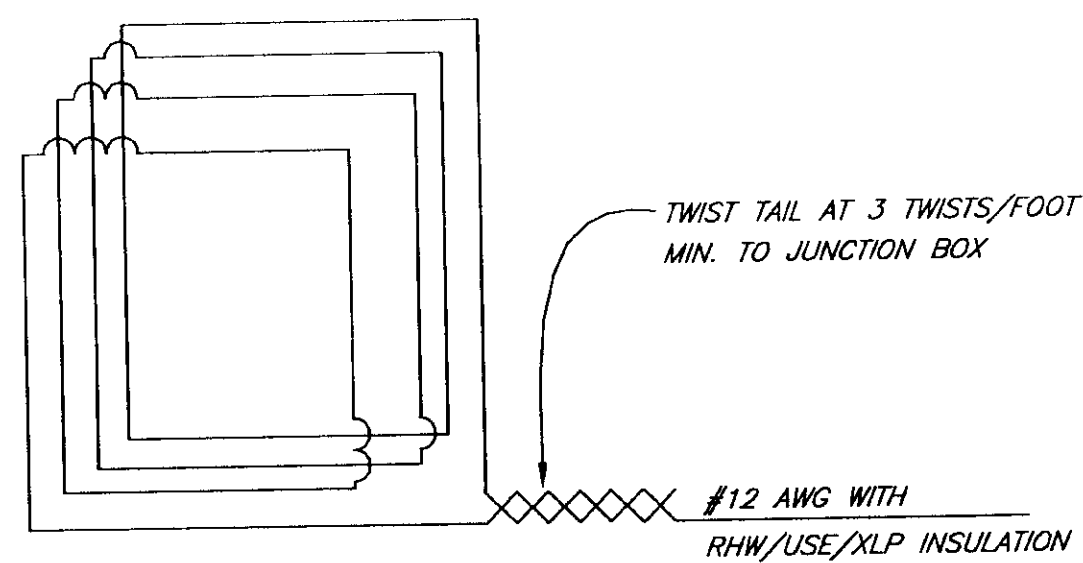
SKAGWAY

ALASKA

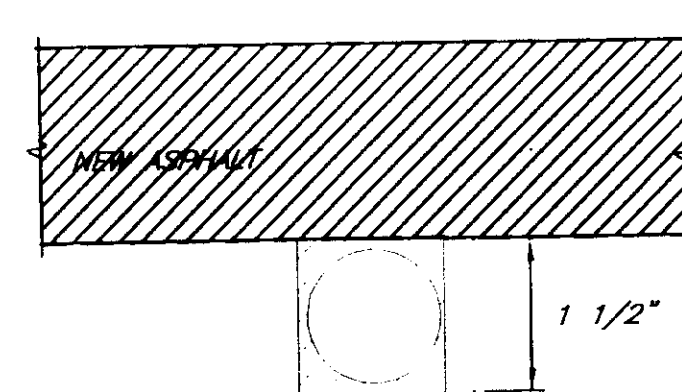
DESIGNED BY:	MGM/TSM	PROJECT NO.	71835
DRAWN BY:	JLC/SPS	DATE:	JAN 1999
CHECKED BY:	TSM	SHEET	L6 OF

E6 OF E6

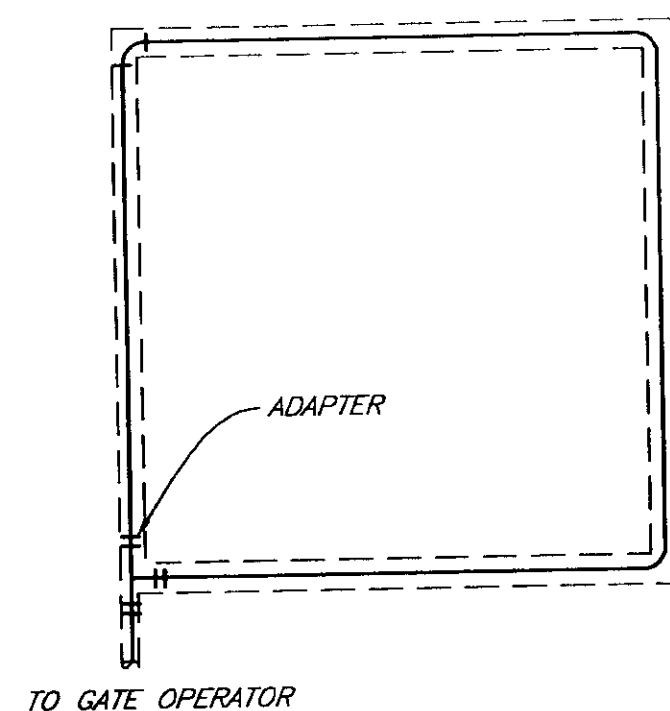




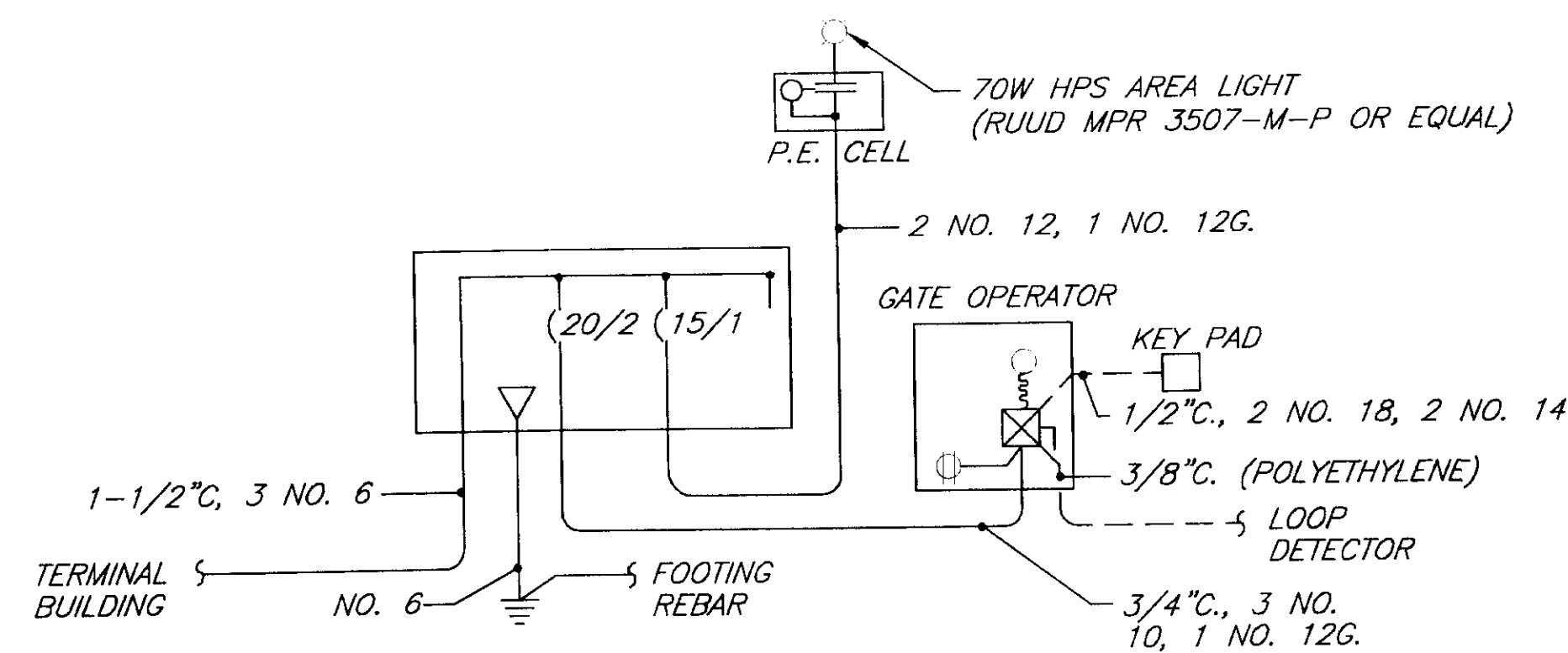
LOOP WIRING DETAIL



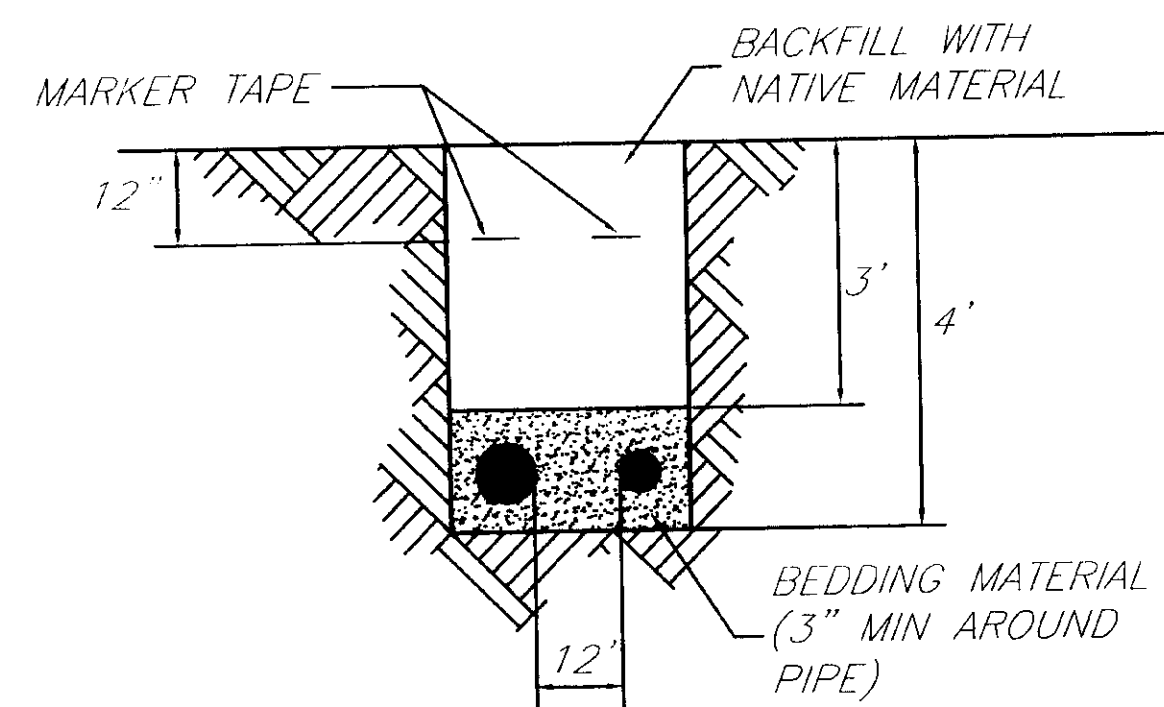
LOOP CONDUIT INSTALLATION DETAIL



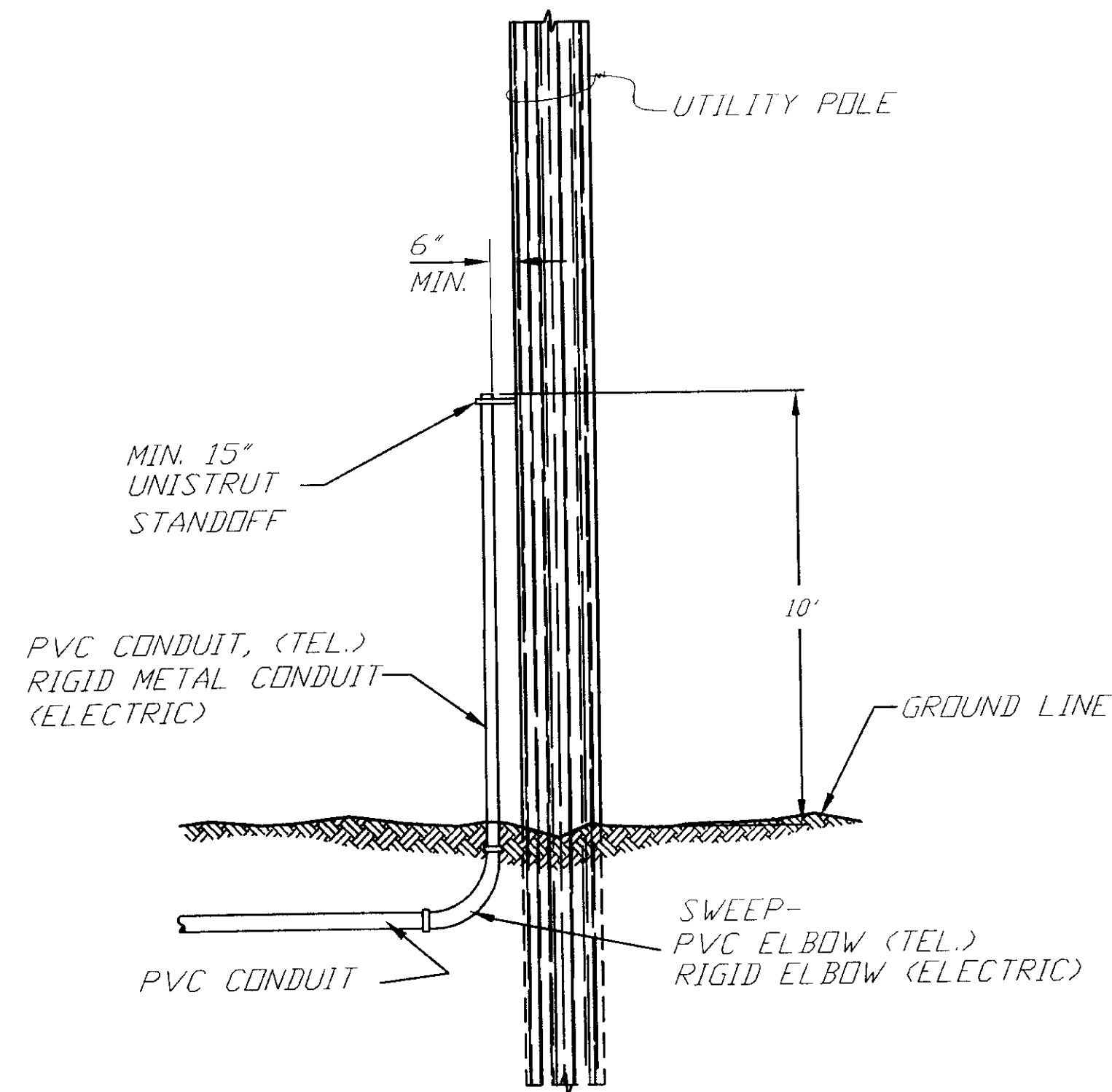
TYPICAL 6 FT. X 6 FT. LOOP DETECTOR DETAIL



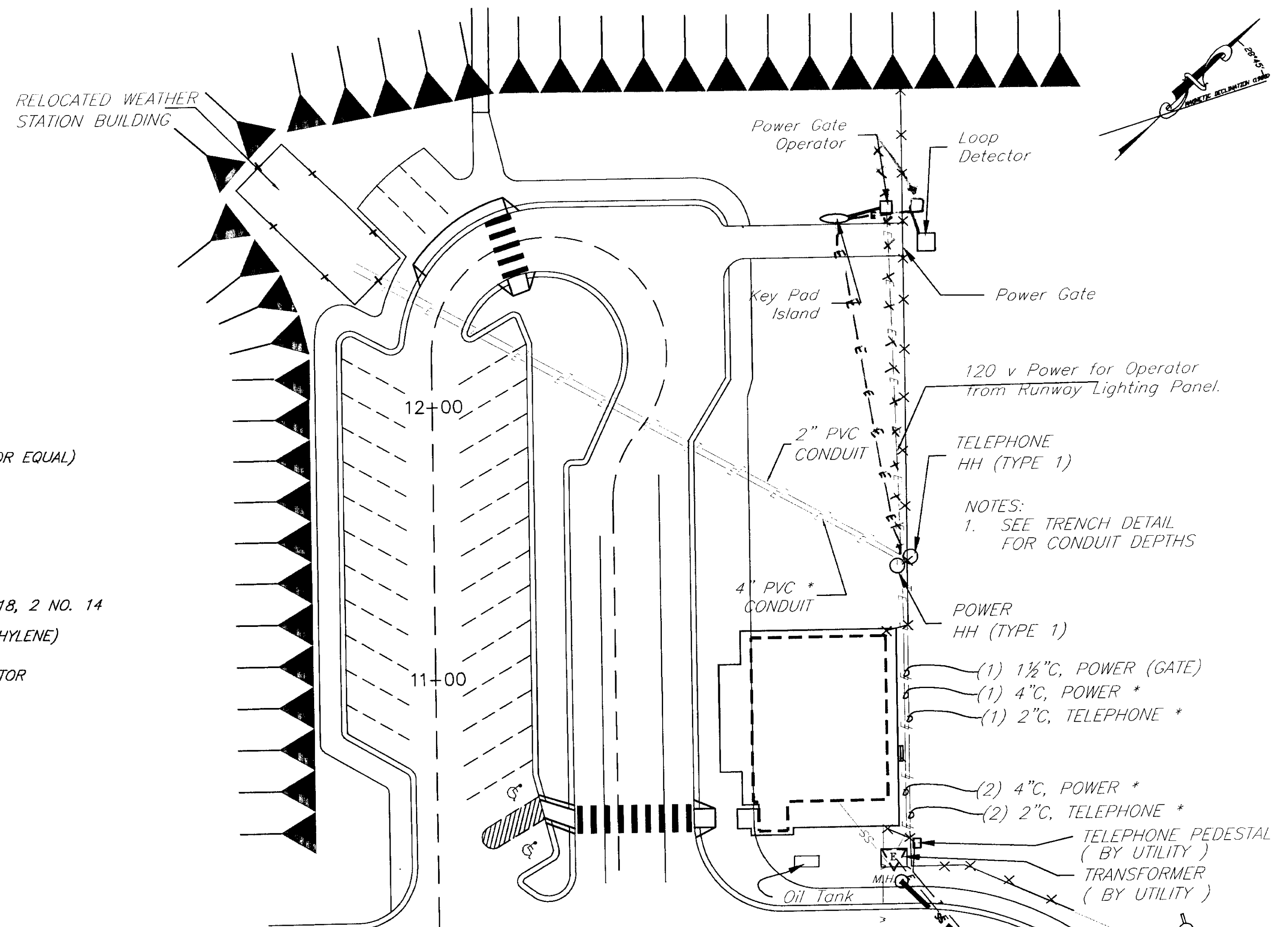
SINGLE LINE DIAGRAM
NO SCALE



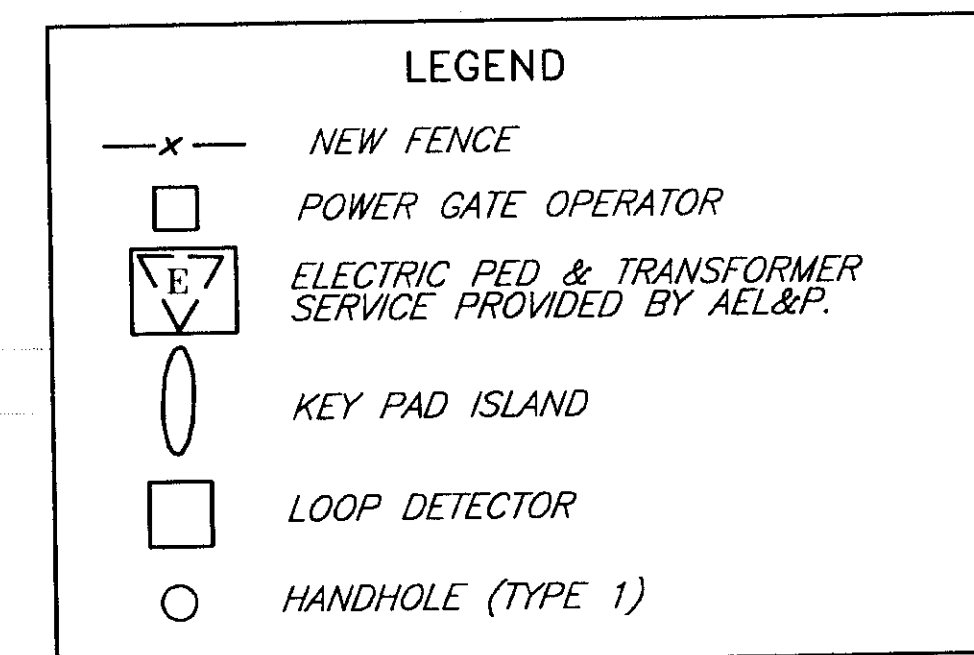
TRENCH DETAIL ELECTRIC & TELEPHONE



RISER DETAIL



ELECTRICAL LAYOUT PLAN



* WIRING TO BE INSTALLED BY UTILITY COMPANY

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

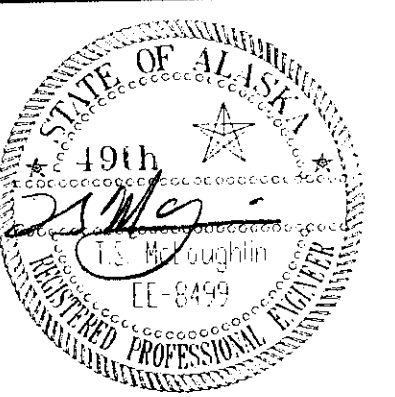
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PLOT: Q:\—LIB\—PLOT\PL0TF.PCP(600) OR PL0TH.PCP(1200)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

SKAGWAY SKAGWAY AIRPORT IMPROVEMENTS
FED. NO. AIP.. 3-02-0270-0399 PROJECT NO. 71835

ELECTRICAL LAYOUT PLAN

DESIGNED BY:	B. HAIGHT	PROJECT NO.	71835
DRAWN BY:	S. SNYDER	DATE:	1998
CHECKED BY:	B. HAIGHT	SHEET	17 OF 100



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	3-02-0270-0399/71835	1999	M-2	

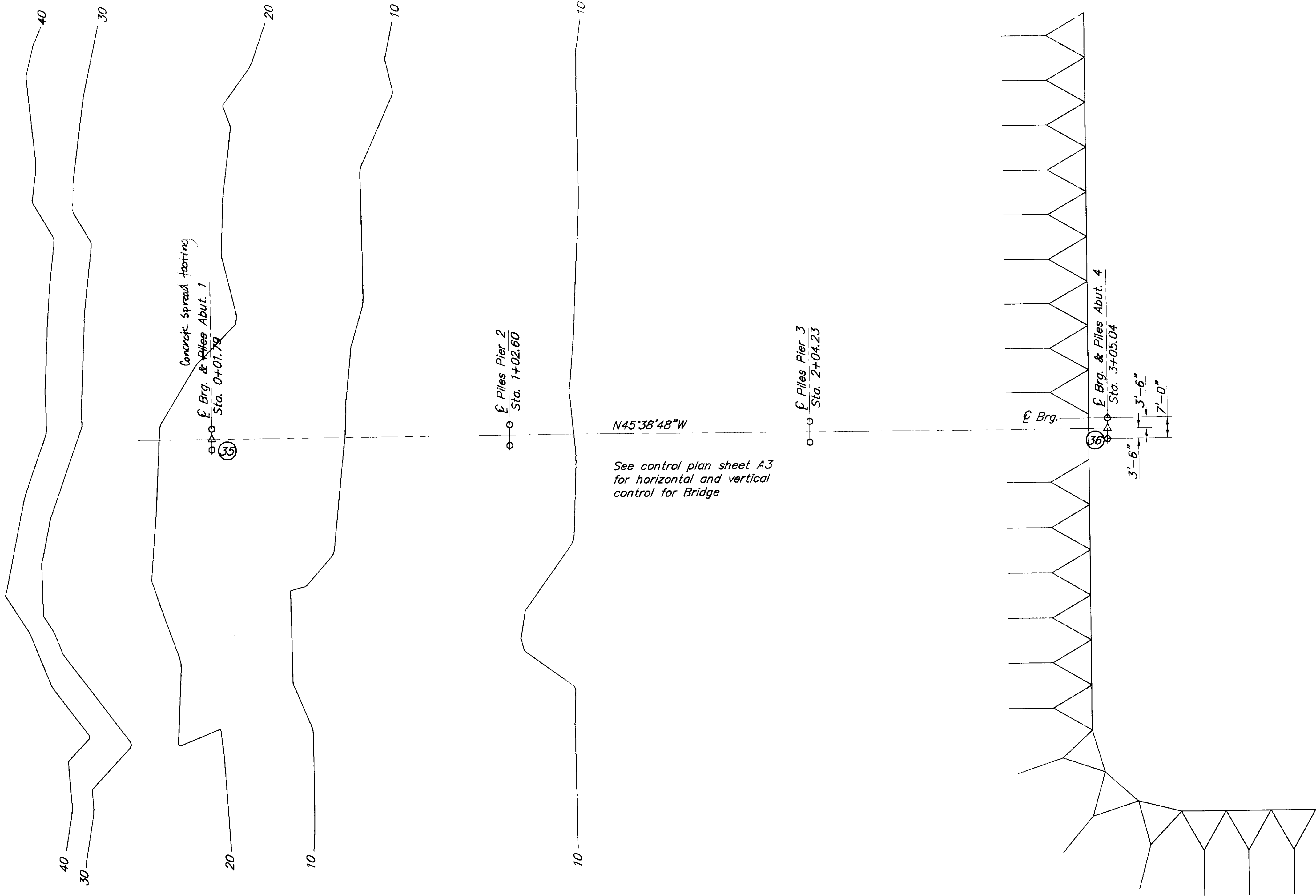
GENERAL NOTES

SPECIFICATIONS:
Design & Construction:..... AASHTO Standard Specifications for Highway Bridges, 1996 Edition with the latest Interim Specifications. Guide Specifications for design of Pedestrian Bridges and Contract Special Provisions.

Live Load: Pedestrian 85 psf.
Dead Load: Actual

DESIGN UNIT STRESSES:
Cast-in-Place Concrete:.... $f'_c = 3,500$ psi Min. $f_c = 1,400$ psi
Structural Steel:..... A36: $F_y = 36,000$ psi $F_s = 20,000$ psi A572: $F_y = 50,000$ psi $F_s = 27,000$ psi

STRUCTURAL MATERIALS:
Concrete:..... All cast-in-place concrete shall be Class A.
Reinforcing Steel:..... All reinforcing steel shall be ASTM A615, Grade 60.
Structural Steel:..... All structural steel shall be galvanized A36, unless otherwise noted. Fracture critical group 2 Charpy v-notch requirements shall apply.
Piling:..... All piles shall be PP24x.75, ASTM A709, Grade 50 or API 5LX52 - provide pile tip reinforcing as shown.
All piles to be galvanized coated.



See control plan sheet A3 for horizontal and vertical control for Bridge

HYDRAULIC & HYDROLOGIC SUMMARY

	50	100	500
Flood Frequency (yr)	2	1	0.2
Exceedance Probability (%)	26,000	38,000	65,000
Design Discharge (cfs)	17.4	17.9	27.1 *
Design Highwater (ft)	0.0	0.0	3.8
Anticipated Additional Backwater (ft)	—	NA	NA
Contraction Scour (ft.)	—	4.8	4.8
Abutment Scour (ft.)	—	—	—
Pier Scour (ft.)	—	—	—

Drainage Area for this crossing: 145 square miles.
Hydraulic Capacity: 51,800 cfs at Low Suberstructure Elevation 22.56 which has an exceedance probability equal to or less than .5% (Q200).
Total scour equals contraction scour + local scour.
*DHW at Q500 is pressure flow

SITE PLAN



ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	SUBST.	SUPERST.	TOTAL
350b	Riprap Class IV	CY	1530	—	1530
503a	Reinforcing Steel	LB	2870	—	2870
504	Structural Steel	LB	9640	129,090	138,730
505a	Structural Steel Piles Furn.	LF	400	—	400
505b	Structural Steel Pile Driven	EA	8	—	8
507	Pedestrian Railing	LF	—	607	607
800	Class A Concrete	CY	20	—	20

Item numbers are for reference only. Quantities shown are not necessarily the pay quantities nor the total quantity of the particular item.



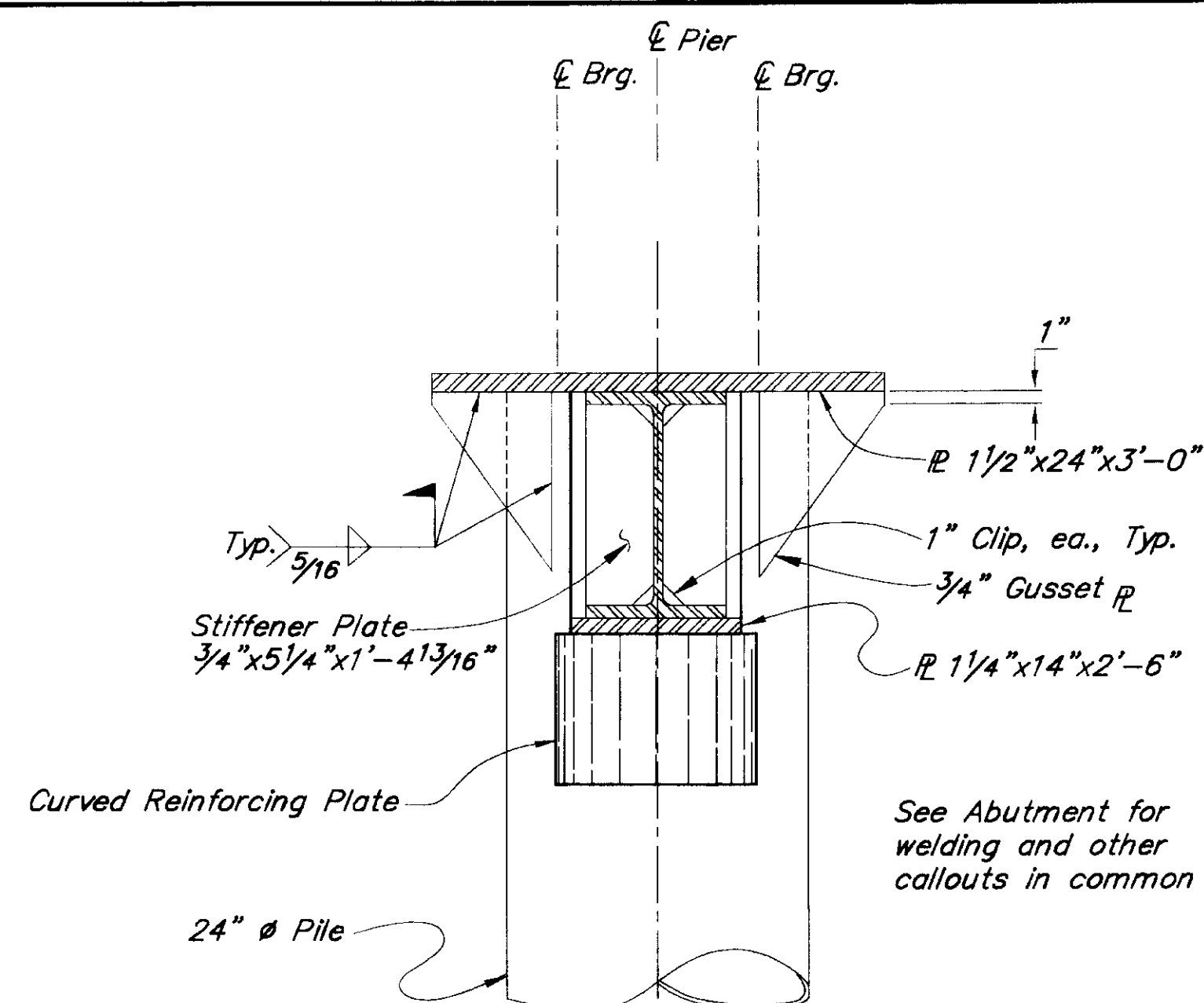
SKAGWAY RIVER
PEDESTRIAN CROSSING
SITE PLAN

STATE of ALASKA
DEPARTMENT of TRANSPORTATION
and PUBLIC FACILITIES
JUNEAU, ALASKA

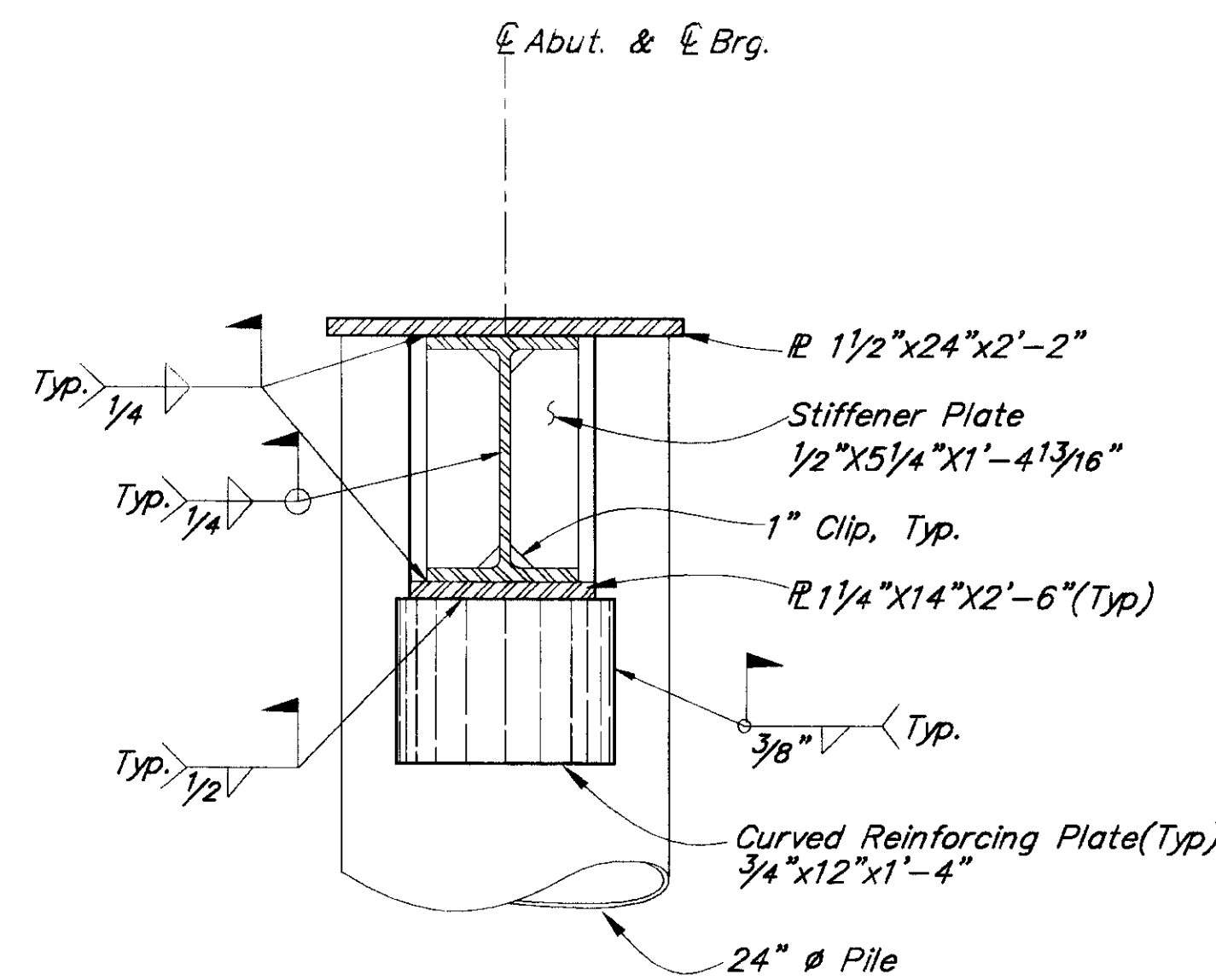


BRIDGE NO. 1803
DWG. NO. 2

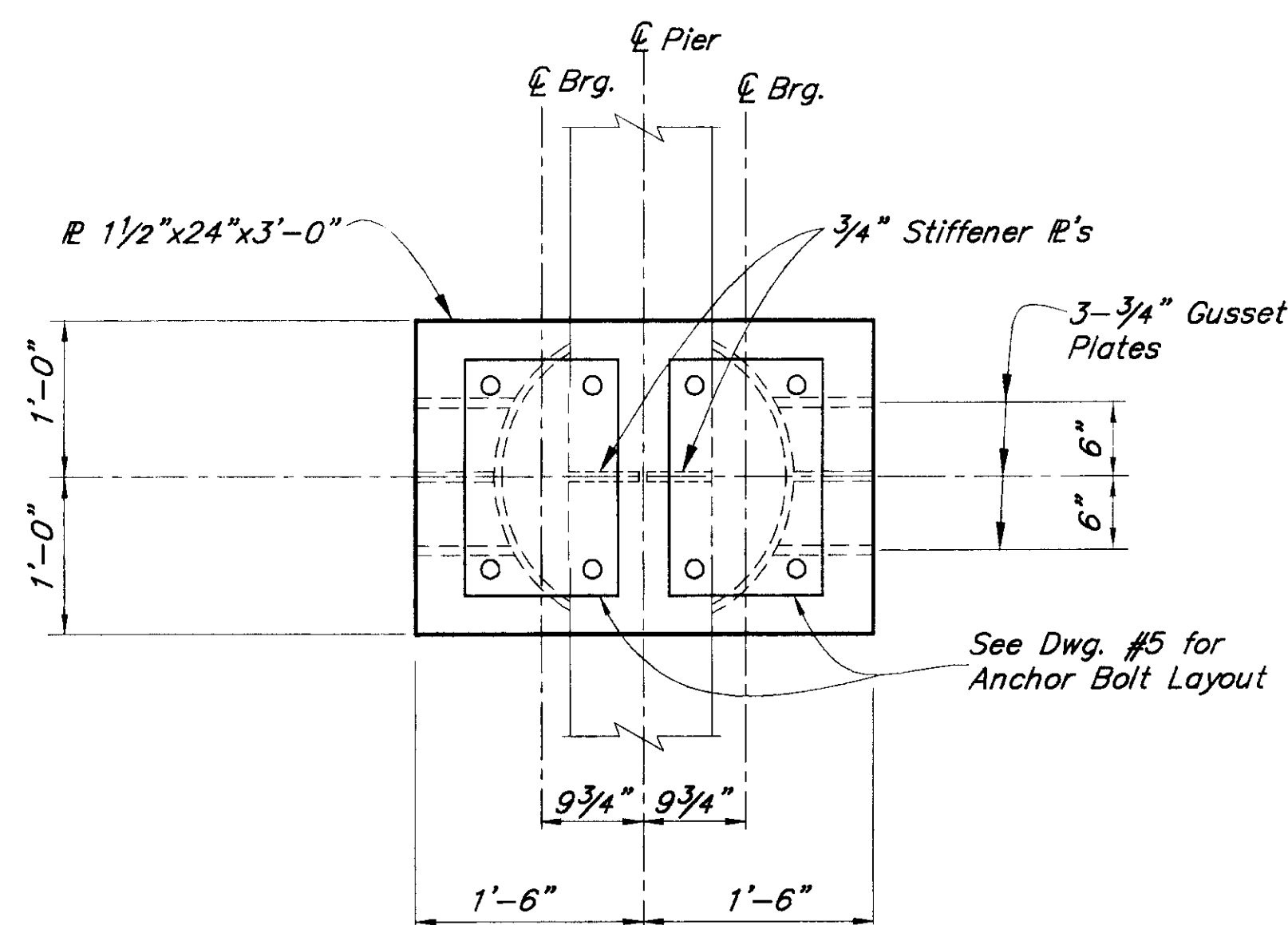
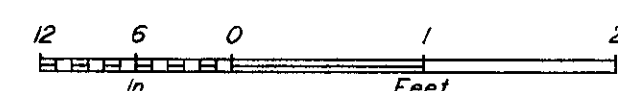
Designed By: JSL
Detail Check By: JSL
Design Check By: JSL
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12/21/1998 16:37
Plot Scale = 20:1
Drawn or Revised By: SHS



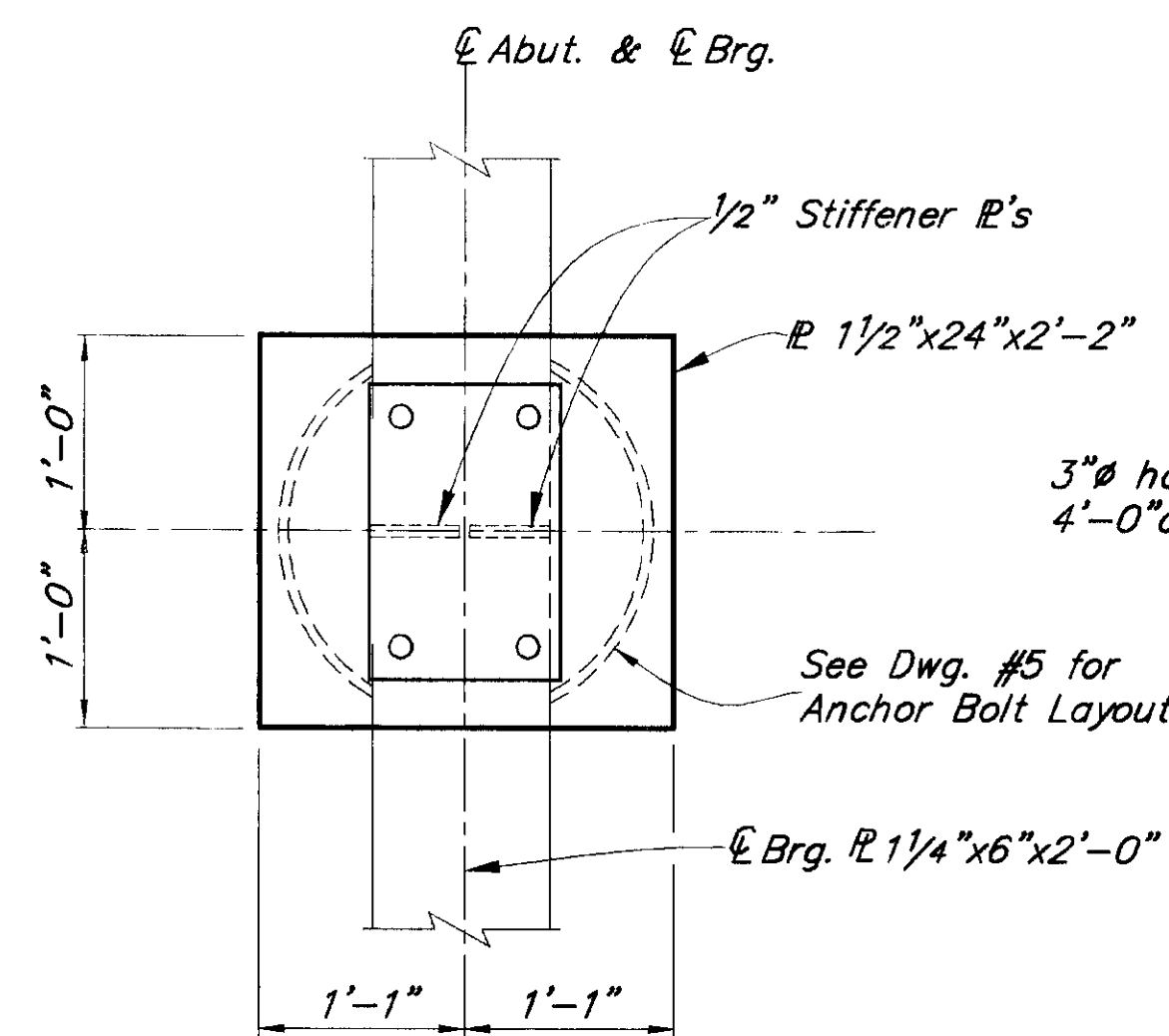
SECTION
PIER



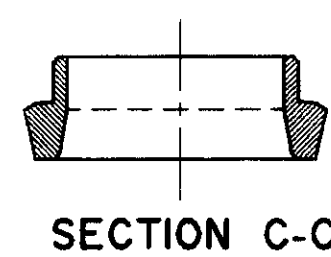
SECTION
ABUTMENT



PLAN
PIER



PLAN
ABUTMENT



SECTION C-C

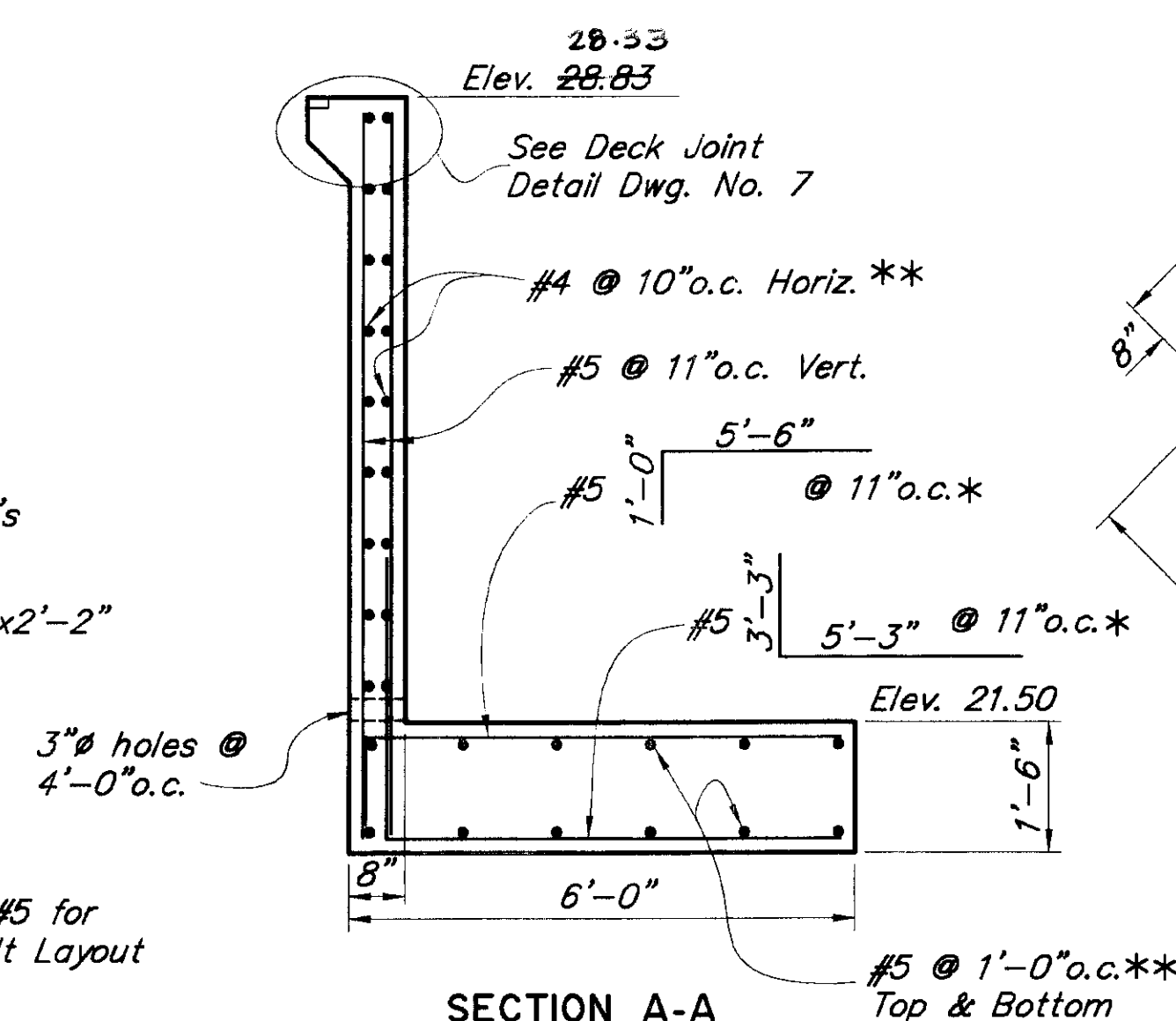
Open ended cutting shoe inside fit
APF 0-14001
or Versabite

PIPE TIP REINFORCING

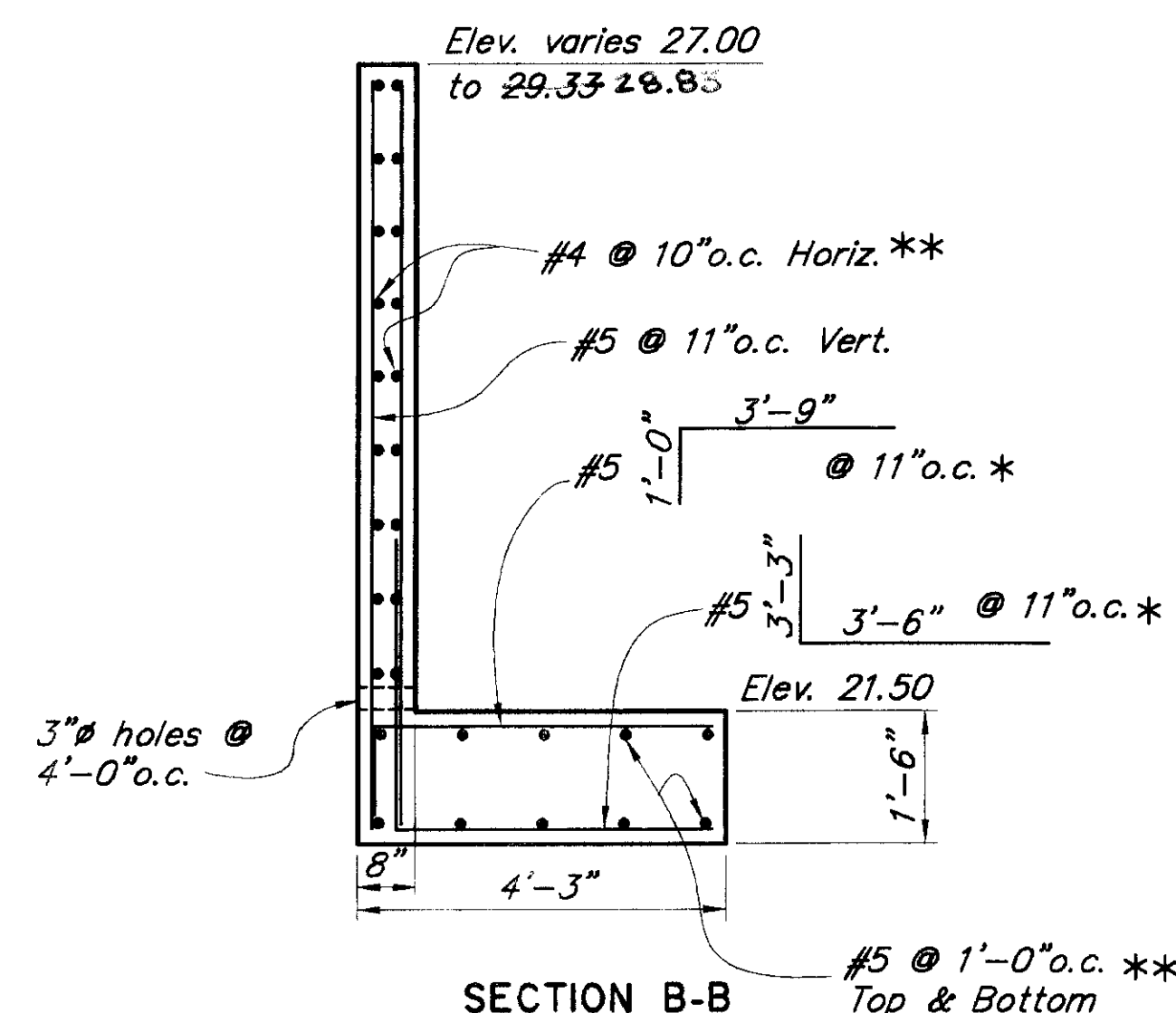
No Scale

PILE TIP ELEVATIONS		
	DESIRABLE	ESTIMATED
Abut. 1	-	-
Pier 2	-40.0	-40.0
Pier 3	-40.0	-40.0
Abut. 4	-40.0	-40.0

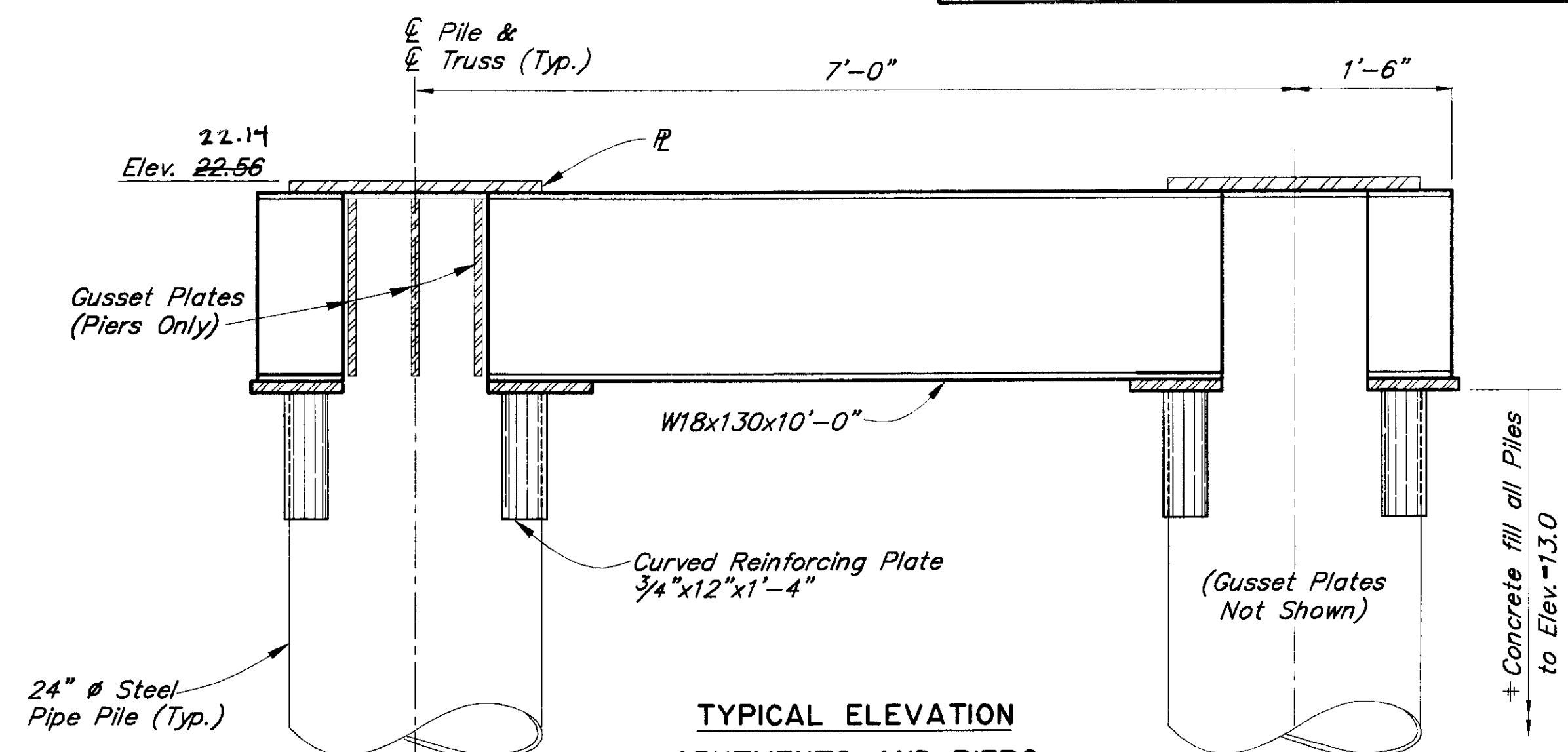
* Drive to Bedrock
Pile Capacity 400k



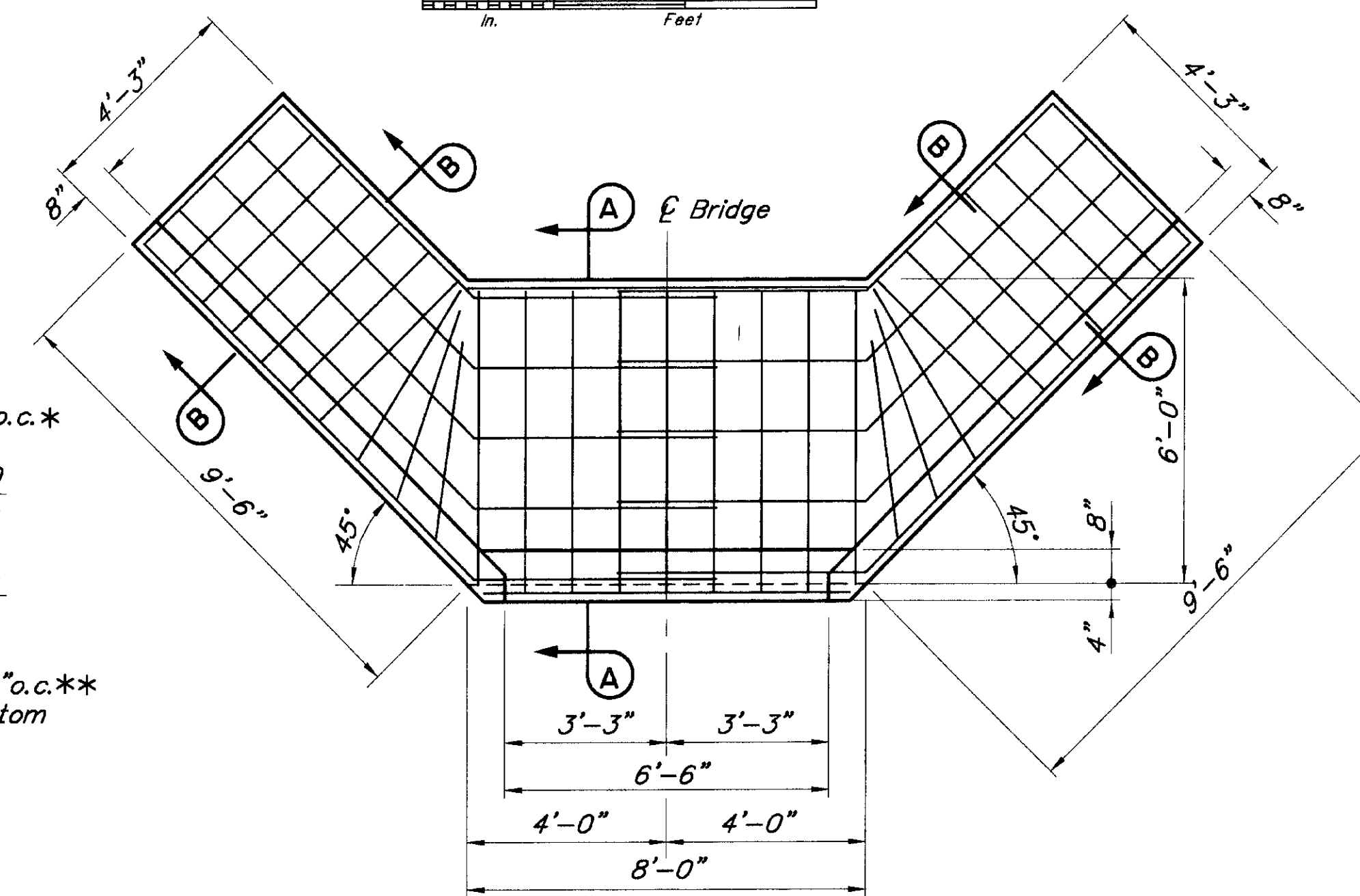
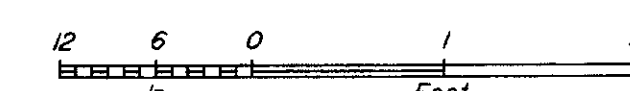
SECTION A-A



SECTION B-B



TYPICAL ELEVATION
ABUTMENTS AND PIERS



BACKWALL & WINGWALL
PLAN VIEW



* May be turned to clear bars from backwall
** Make one piece lap at E Bridge



Designed By: GJ
Detail Check By: JJS
Design Check By: JJS
12/2/1999 10:30
Plot Scale = 1:00
Drawn or Revised By: JJS

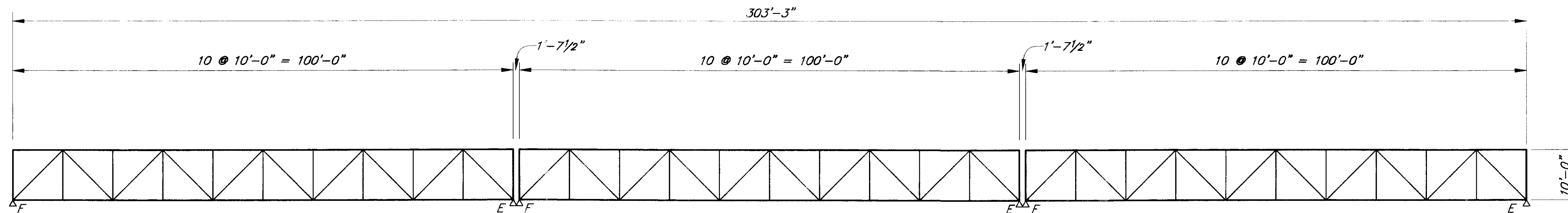
SKAGWAY RIVER
PEDESTRIAN CROSSING
ABUTMENTS AND PIERS

STATE of ALASKA
DEPARTMENT of TRANSPORTATION
and PUBLIC FACILITIES
JUNEAU, ALASKA

BRIDGE NO. 1803

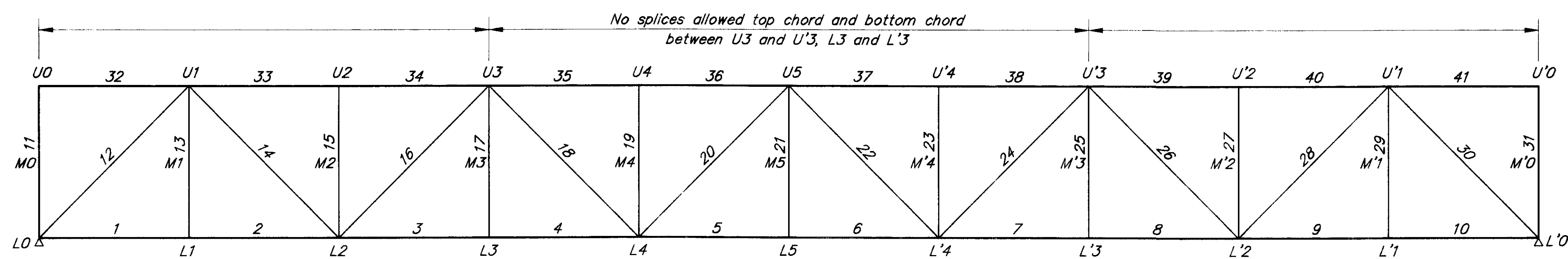
DWG. NO. 3

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	3-02-0270-0399/71835	1999	M-4	

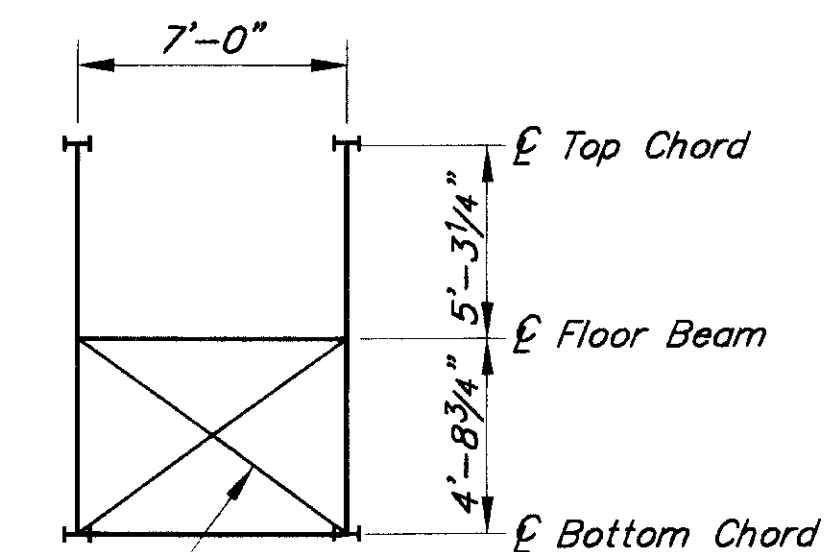
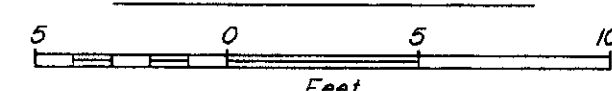


BRIDGE ELEVATION
No Scale

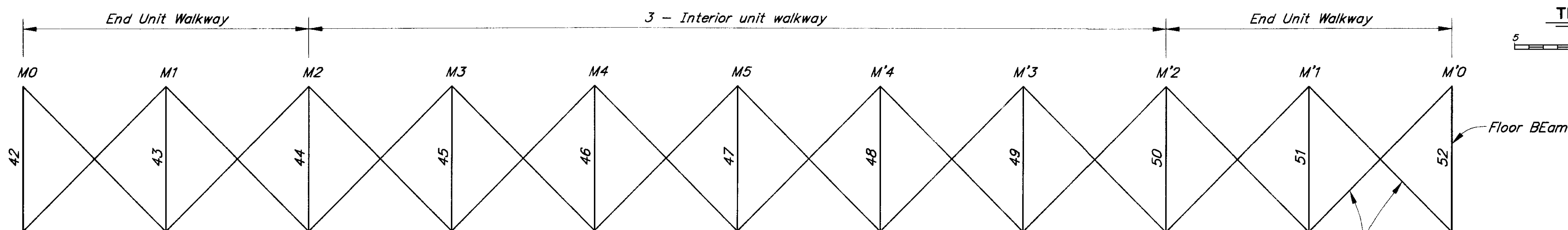
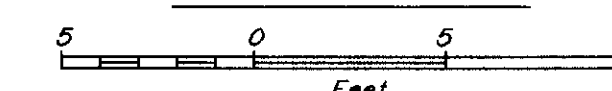
- Notes:
1. See Dwg. No. 6 for Truss Member schedule.
 2. Camber truss Min. 1 x DL deflection



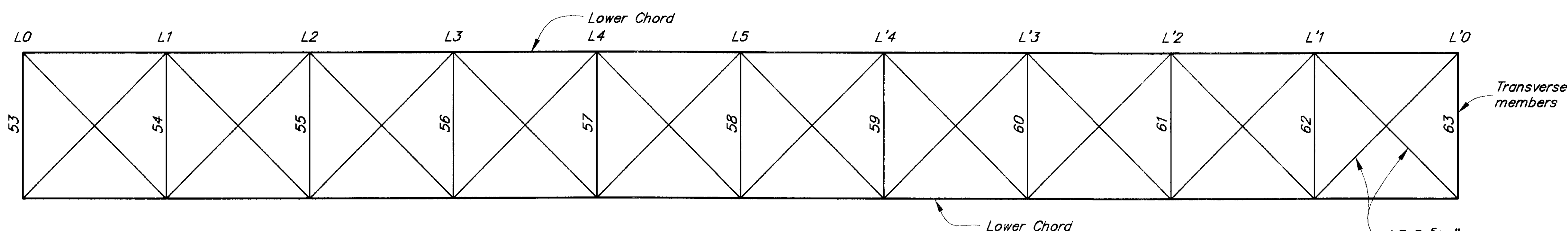
TRUSS ELEVATION



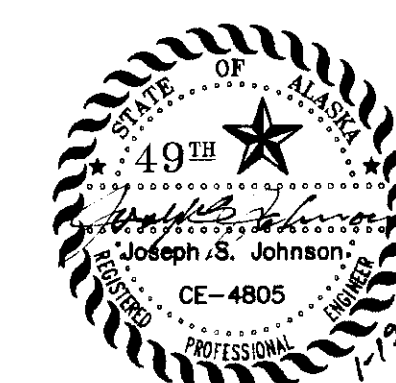
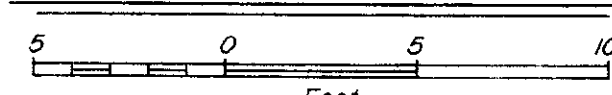
TRUSS SECTION



PLAN of WALKWAY



PLAN of BOTTOM CHORD



SKAGWAY RIVER
PEDESTRIAN CROSSING
TRUSS LAYOUT

STATE of ALASKA
DEPARTMENT of TRANSPORTATION
and **PUBLIC FACILITIES**
JUNEAU, ALASKA



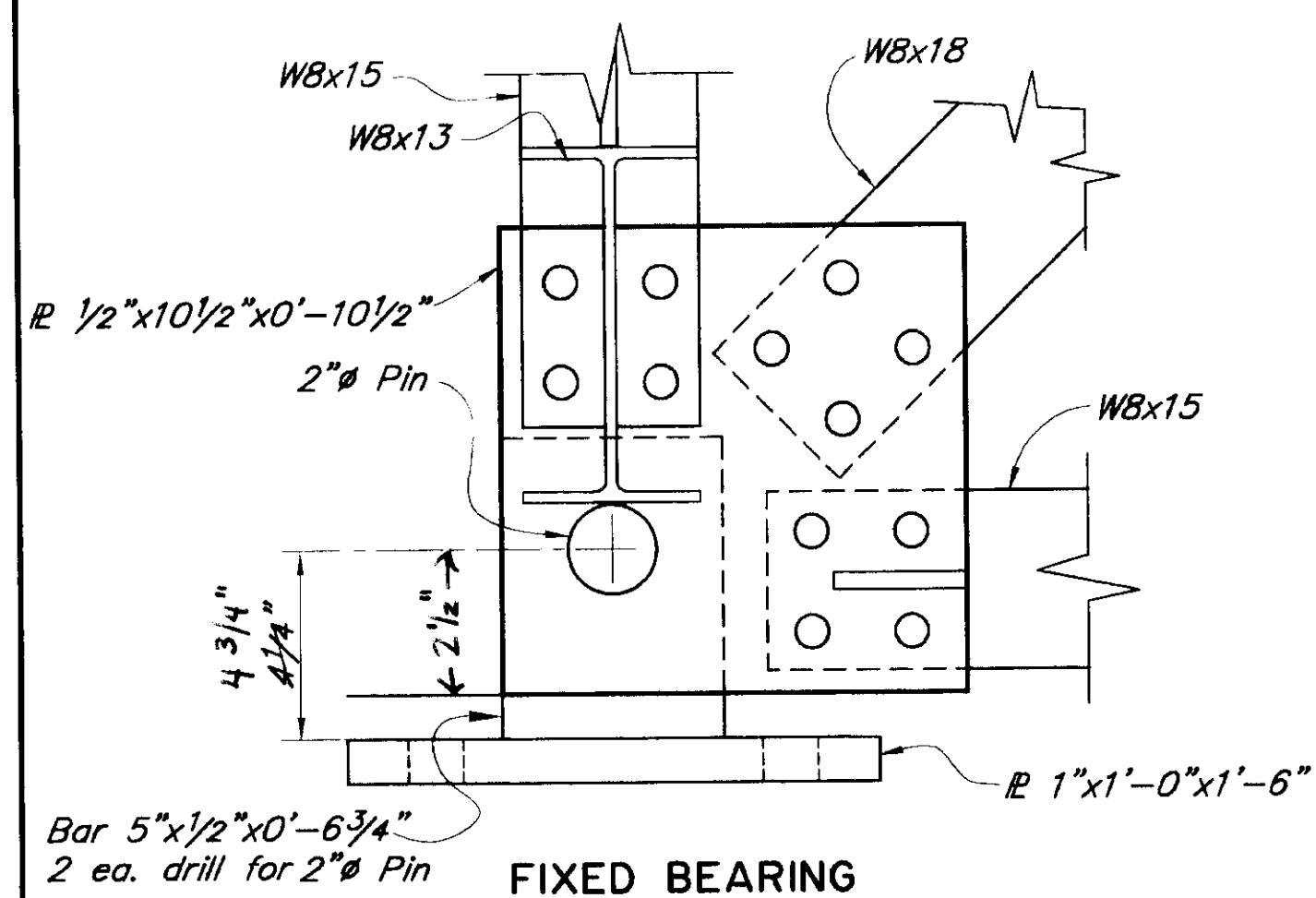
BRIDGE NO. 1803

DWG. NO. 4

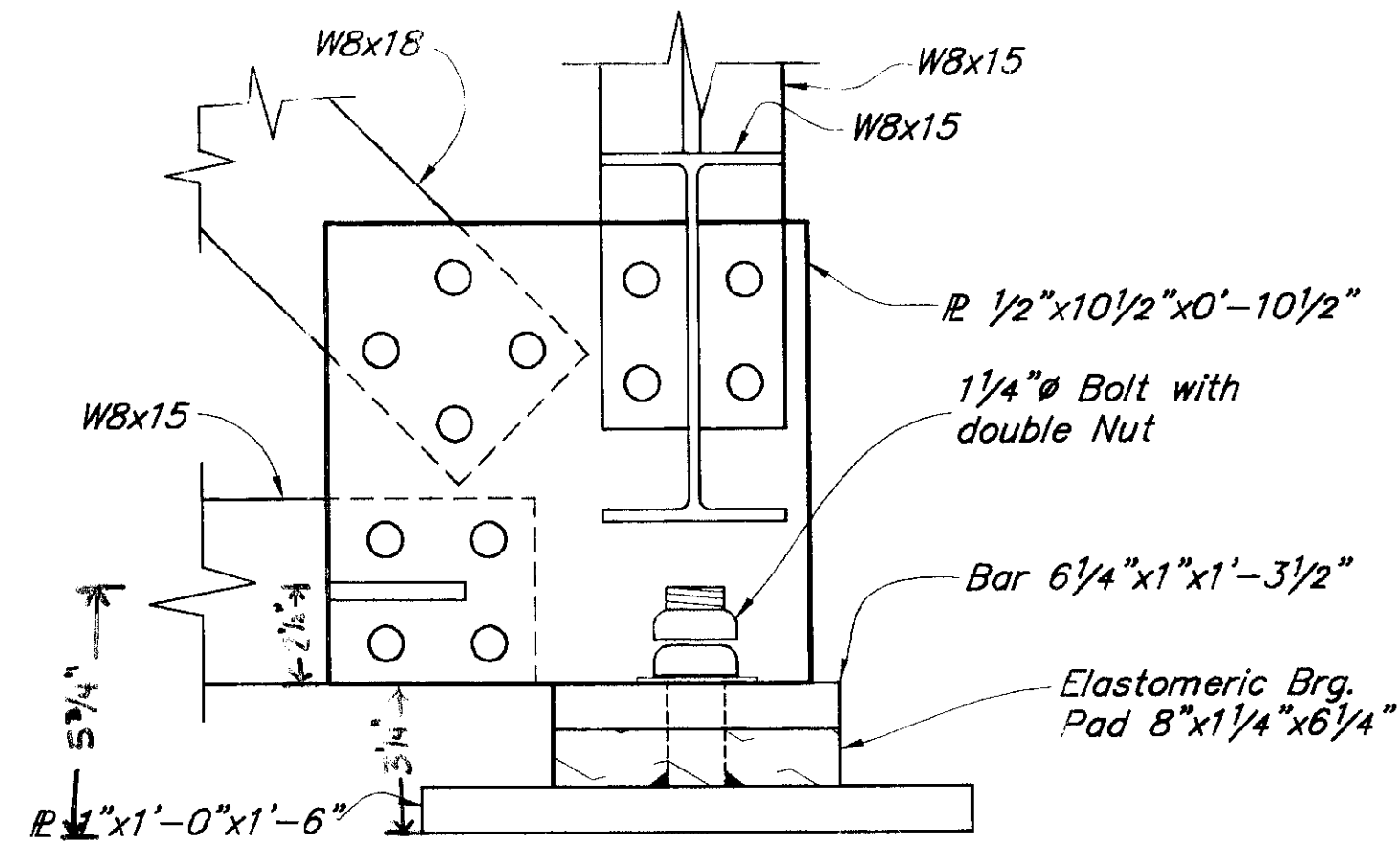
Designed By: JSJ
Detail Check By:
Design Check By:

P: 1/0031/003-4.dwg
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Plot Scale = 3.00
Drawn or Revised By: SHS

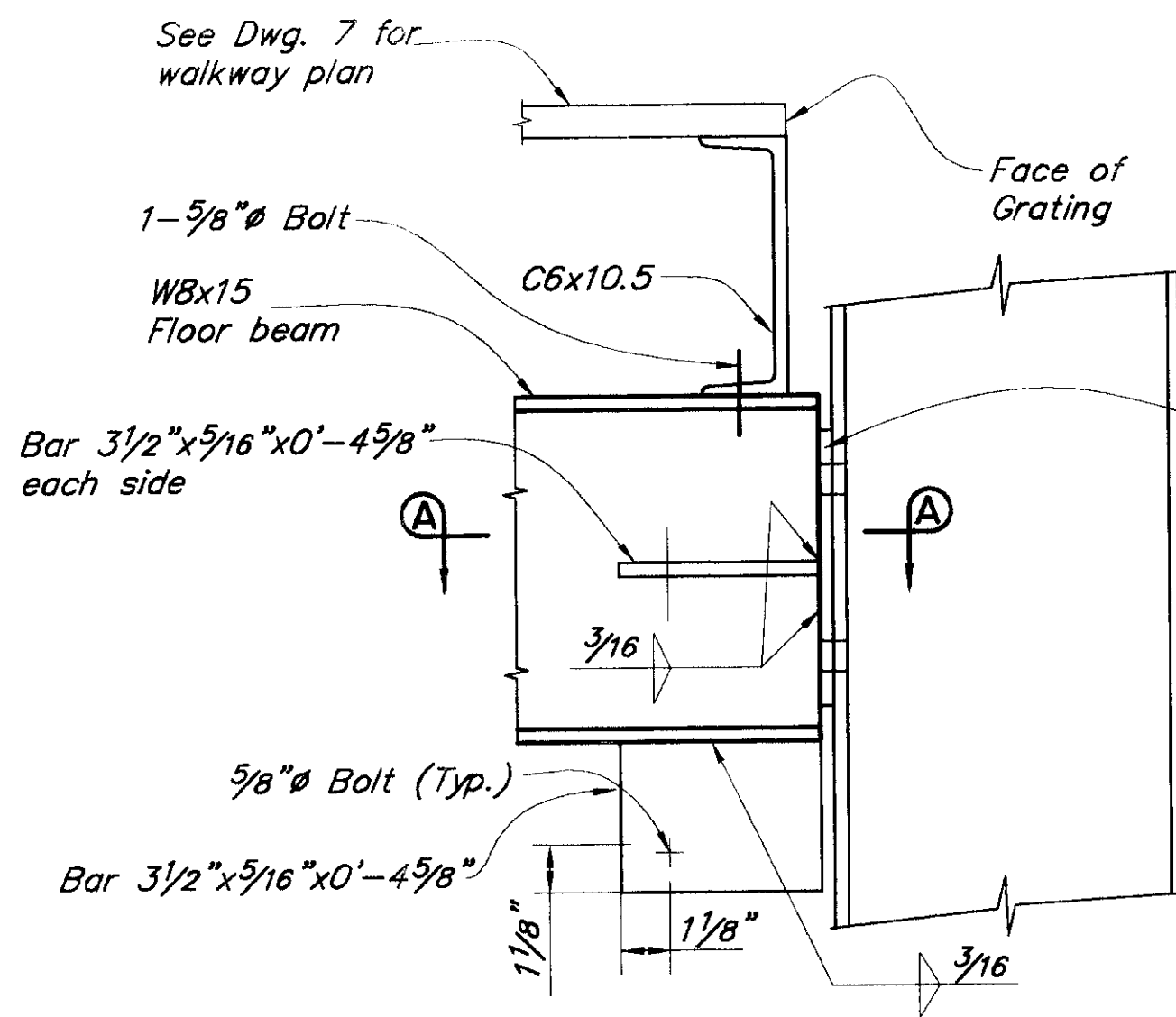
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	3-02-0270-0399/71835	1999	M-5	



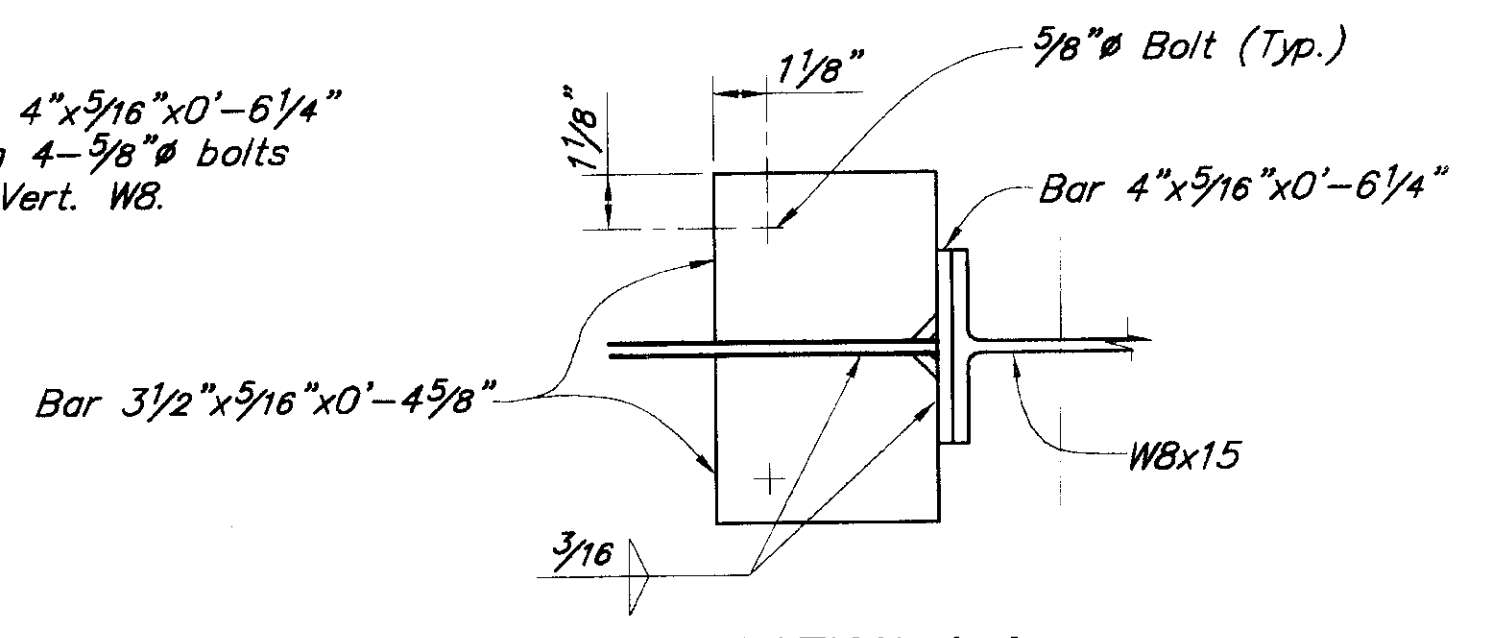
FIXED BEARING



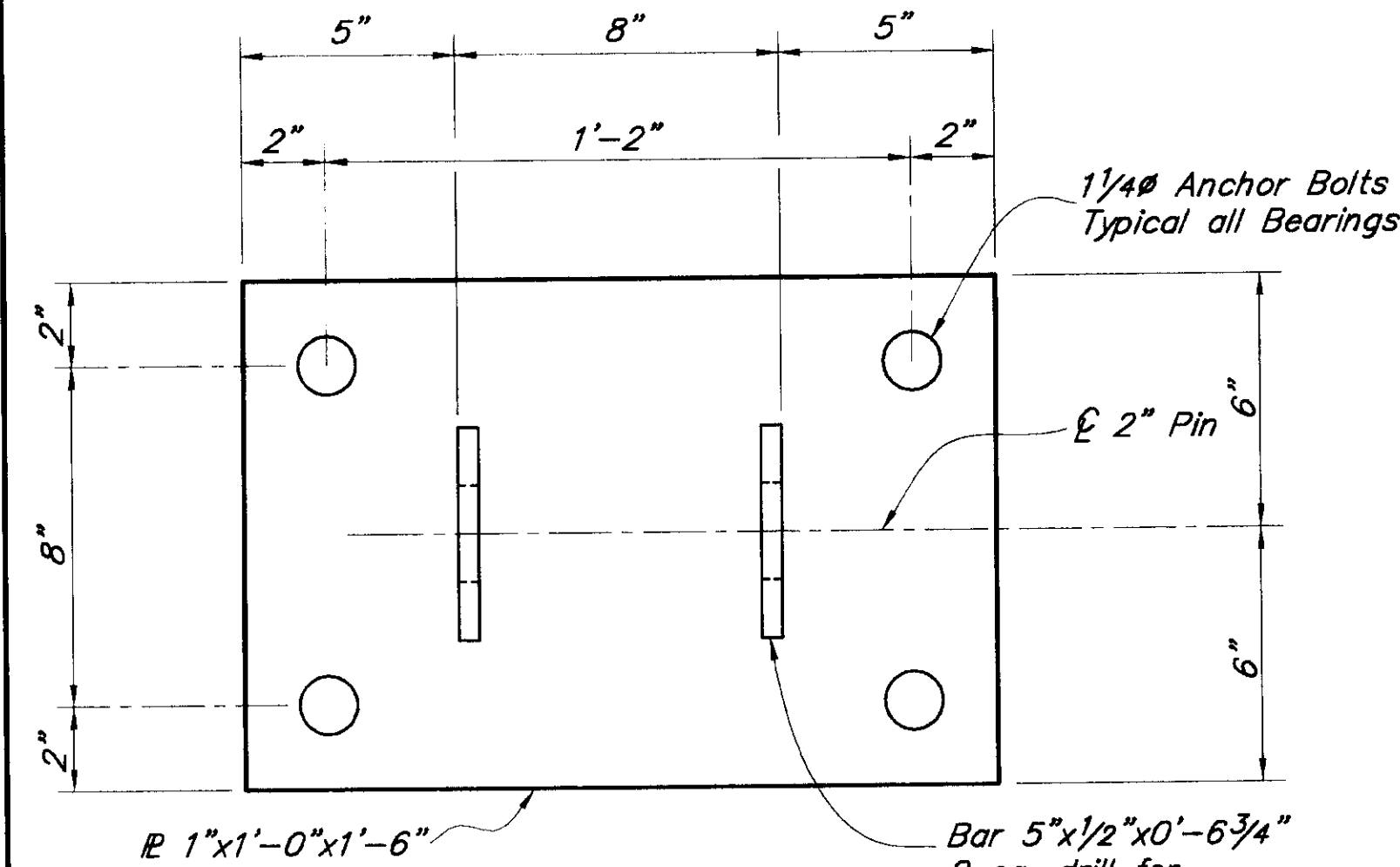
EXPANSION BEARING



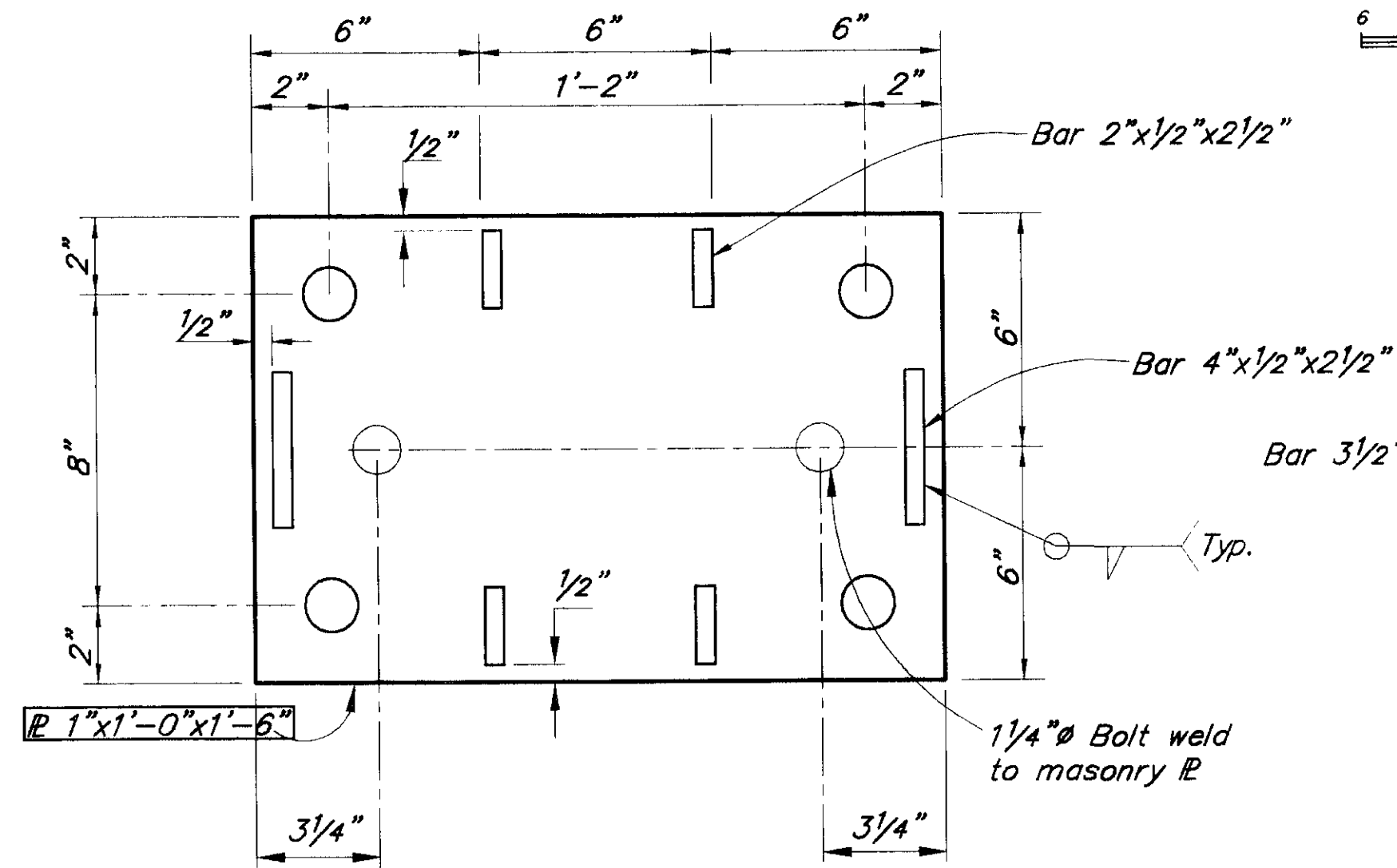
FLOOR BEAM CONNECTION



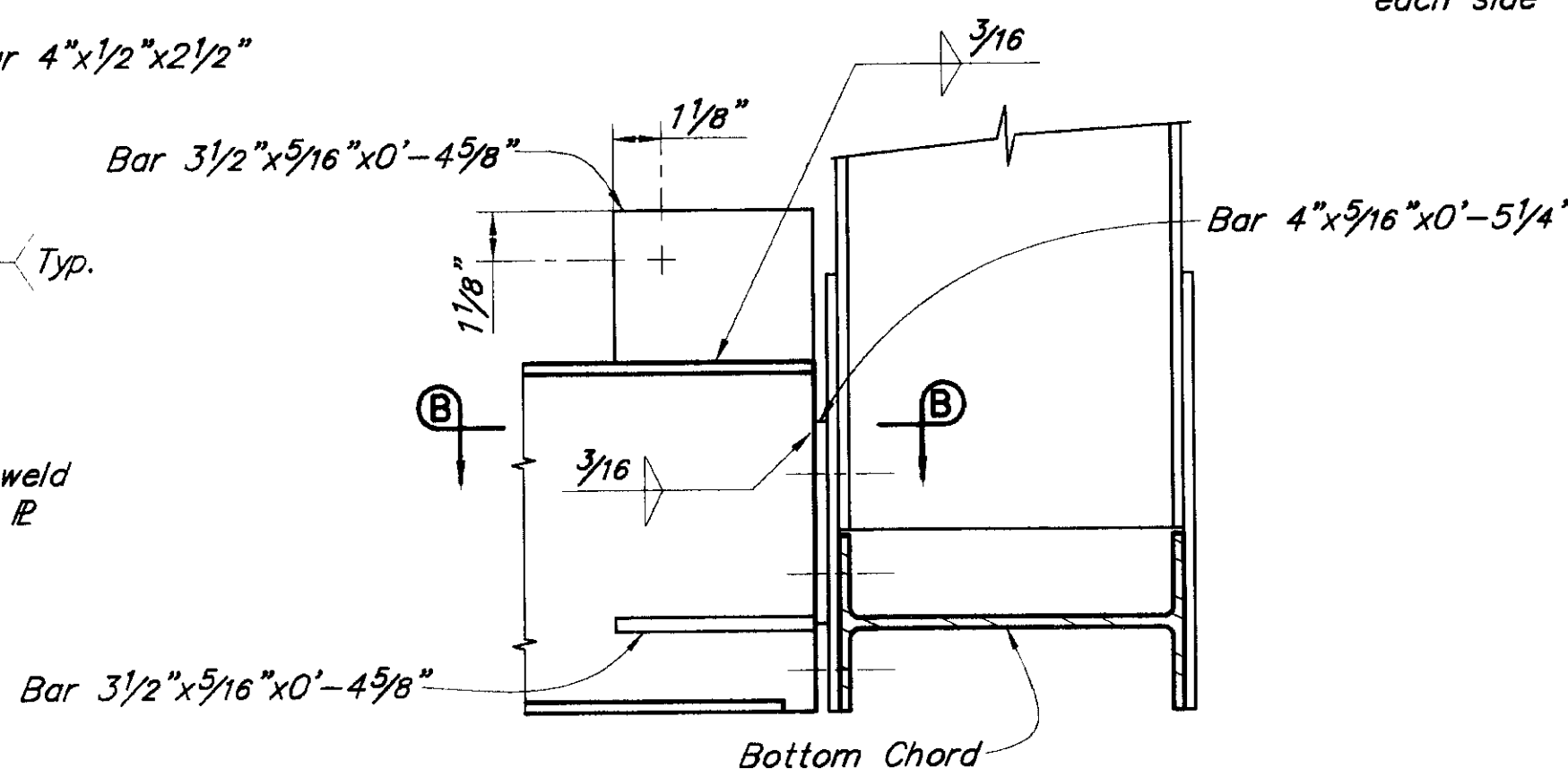
SECTION A-A



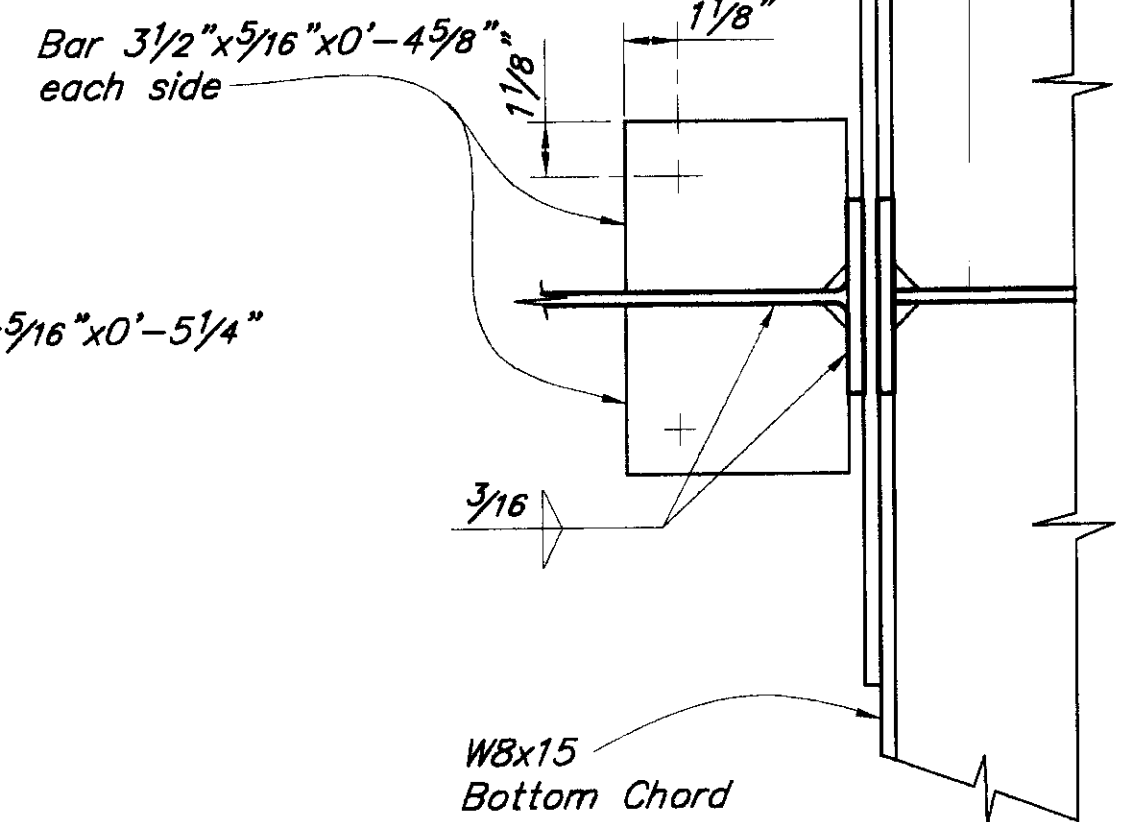
FIXED BEARING



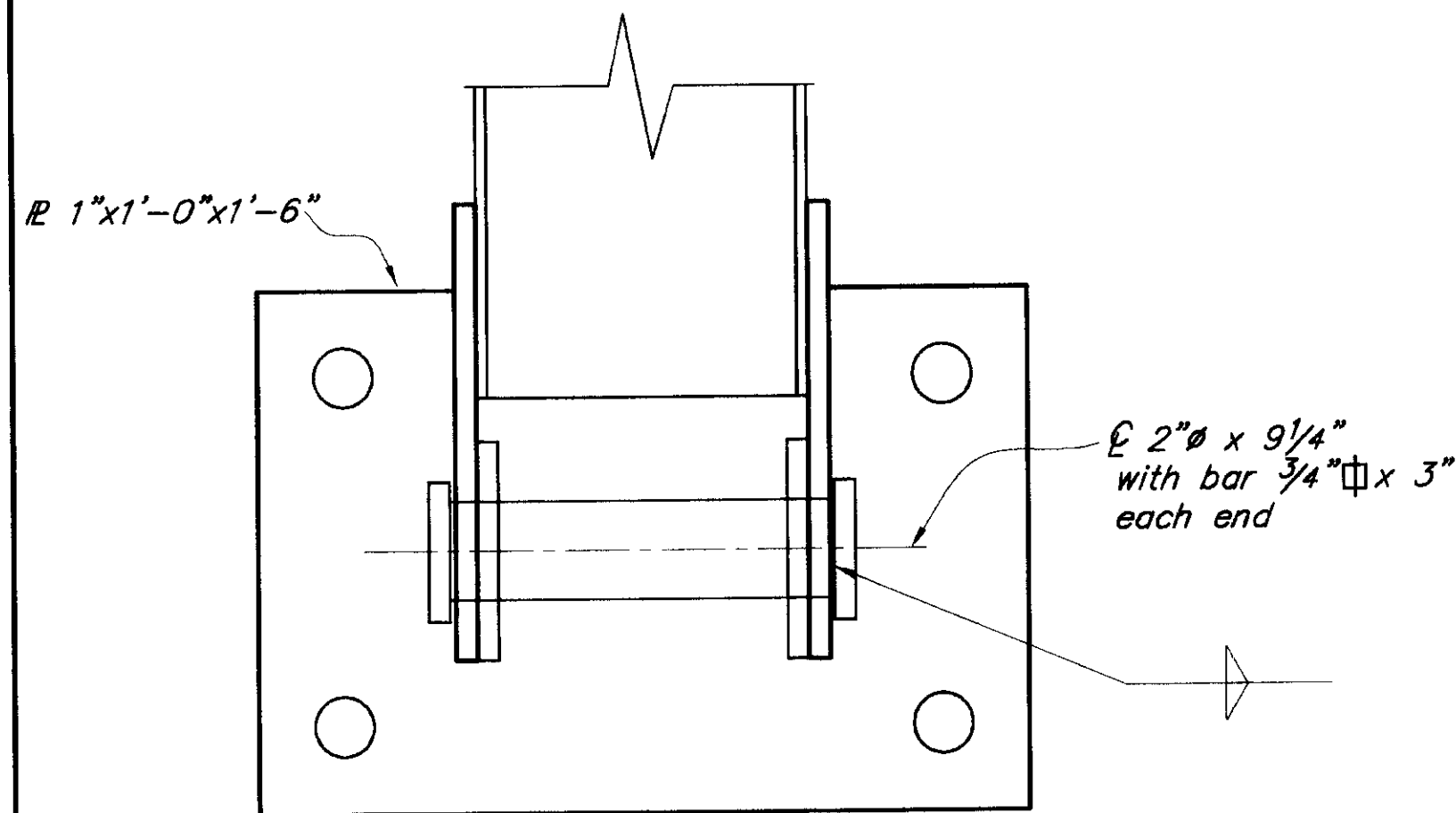
EXPANSION BEARING



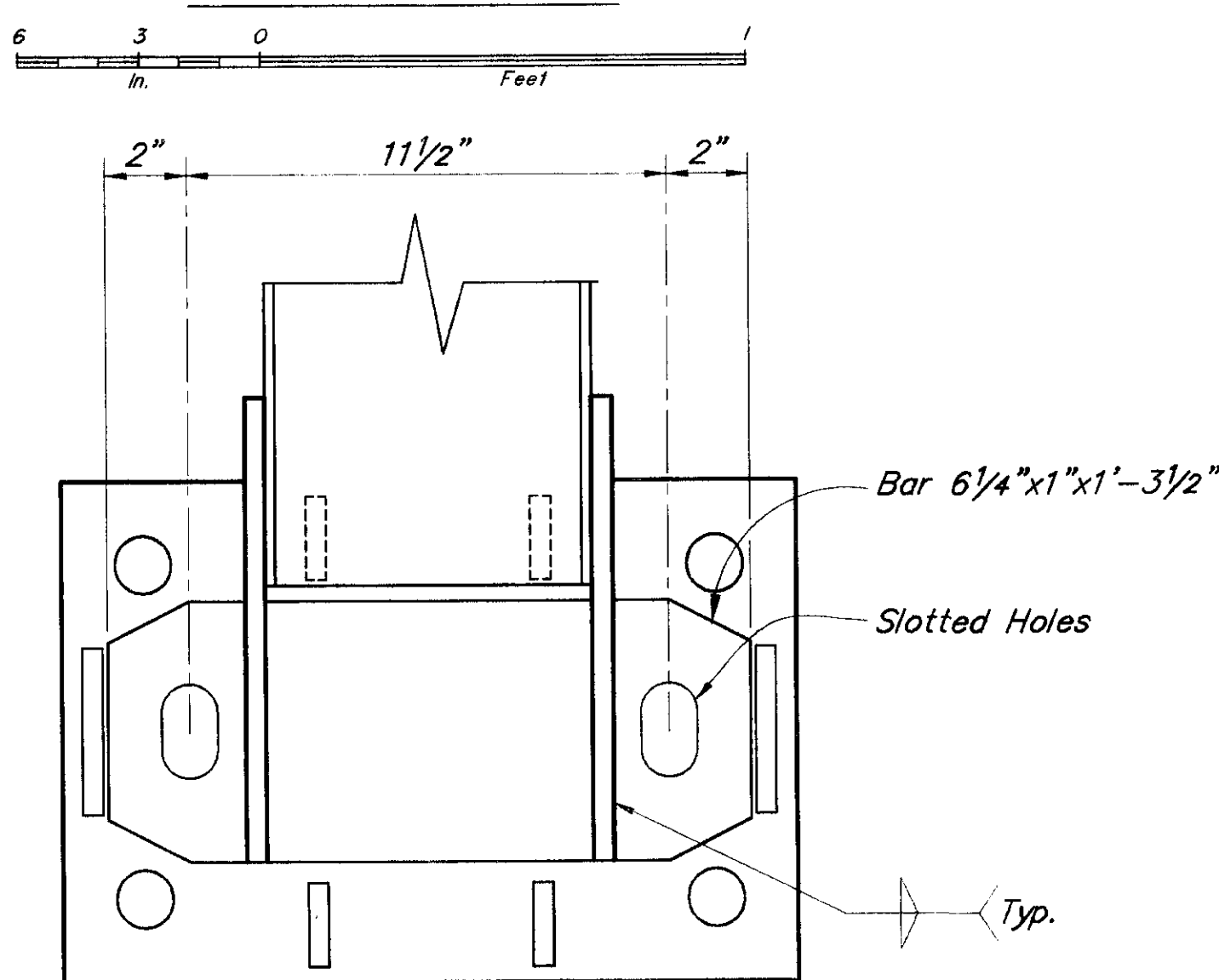
TRANSVERSE MEMBER AT LOWER CHORD CONNECTION



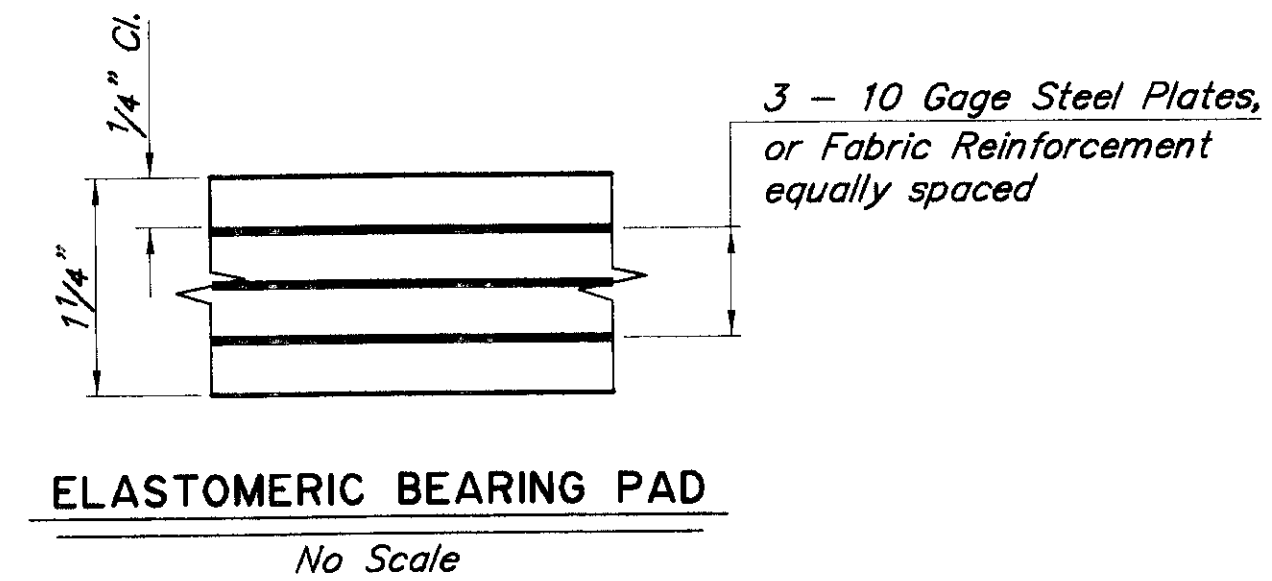
SECTION B-B



FIXED BEARING



EXPANSION BEARING



ELASTOMERIC BEARING PAD

No Scale



SKAGWAY RIVER PEDESTRIAN CROSSING CONNECTION DETAILS

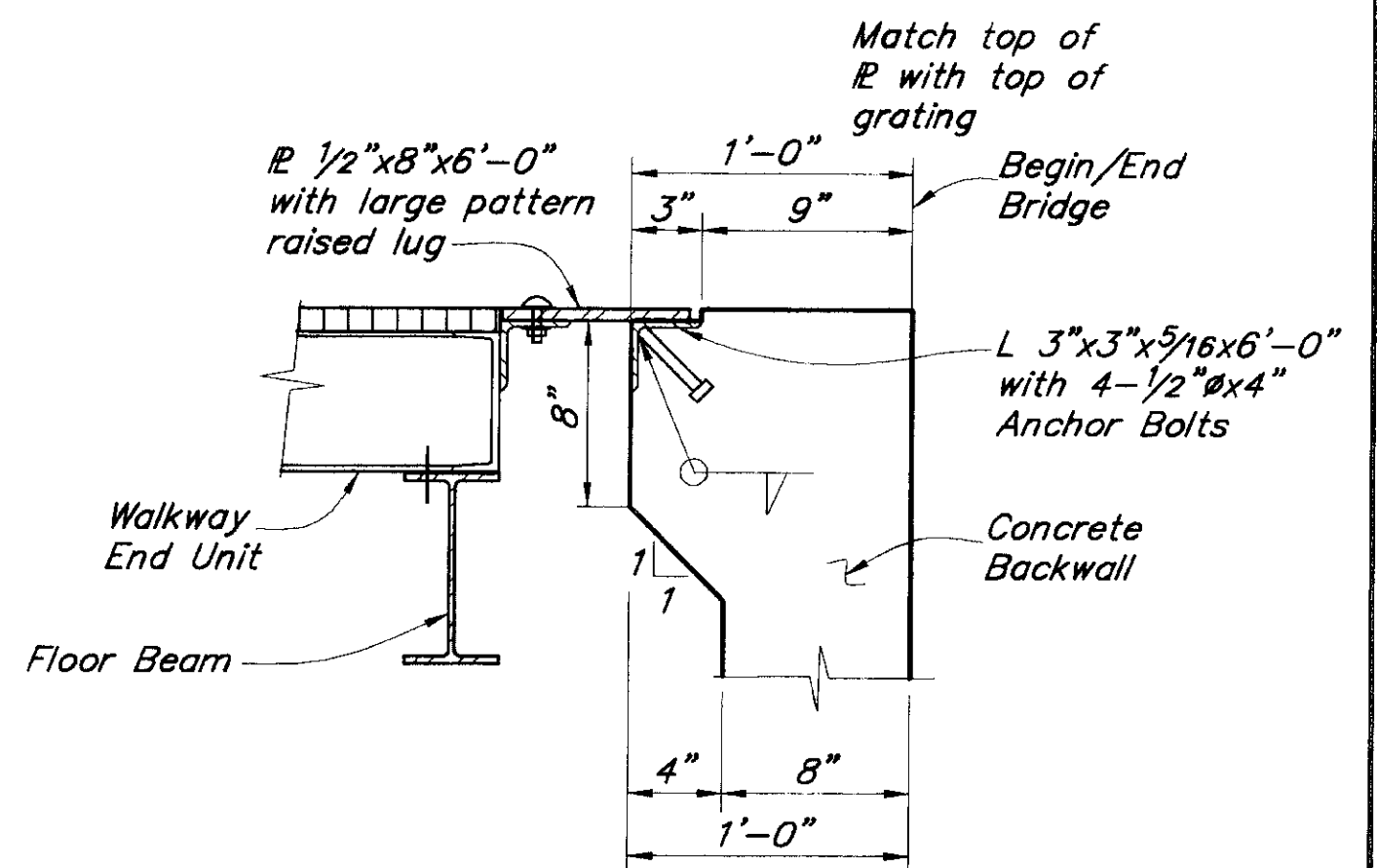
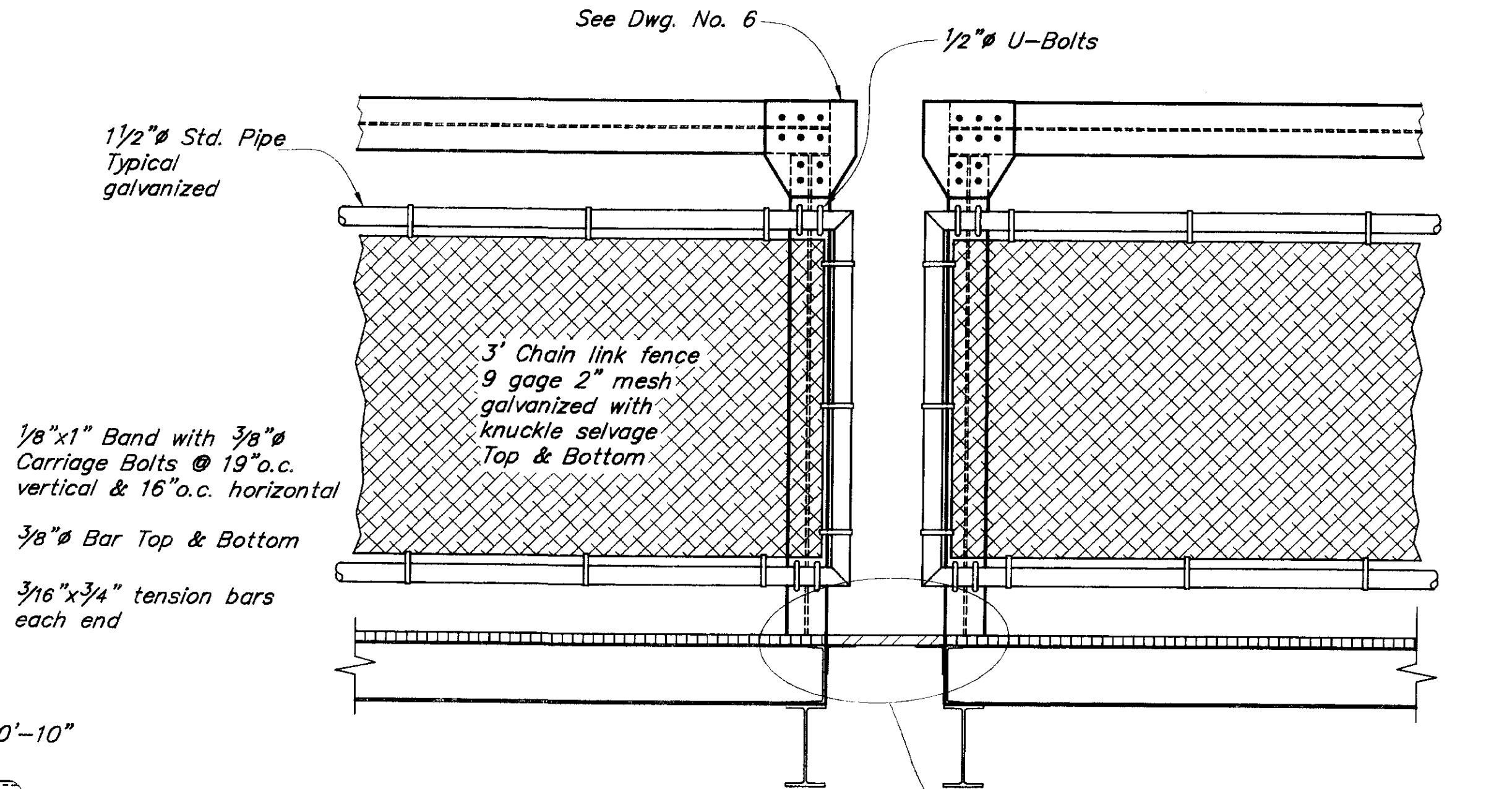
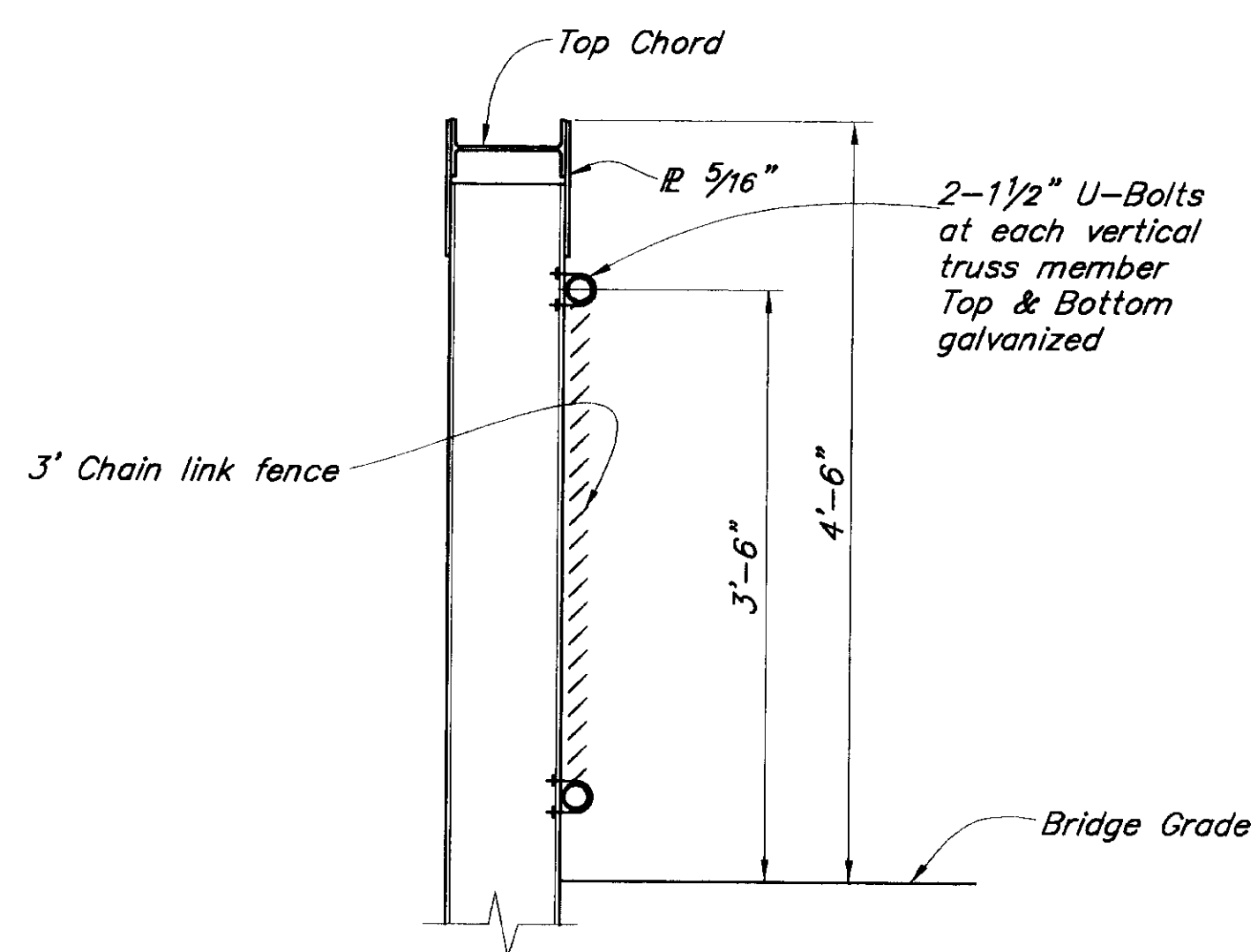
STATE of ALASKA
DEPARTMENT of TRANSPORTATION
and PUBLIC FACILITIES
JUNEAU, ALASKA



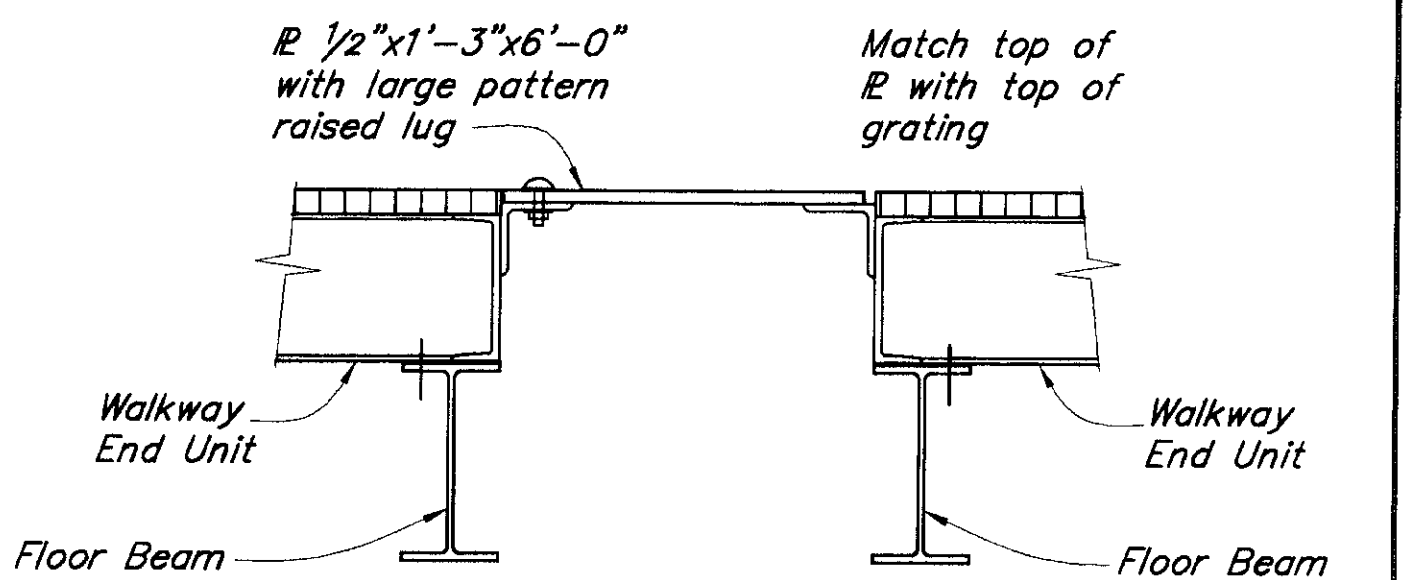
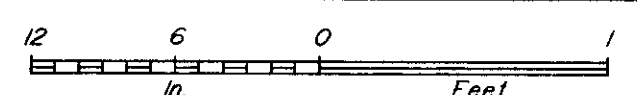
BRIDGE NO. 1803
DWG. NO. 5

Designed By: JGJ
Detail Check By:
Design Check By:
P: 118031803-5.dwg
12/15/1999 21:9
Plot Scale = 0.33
Drawn or Revised By: SJS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	3-02-0270-0399/71835	1999	M-7	



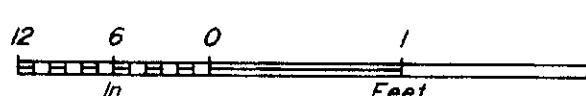
DECK JOINT AT ABUTMENTS



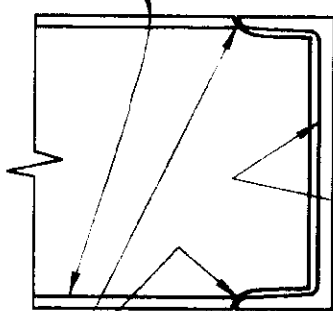
DECK JOINT BETWEEN TRUSSES



TYPICAL SECTION RAIL

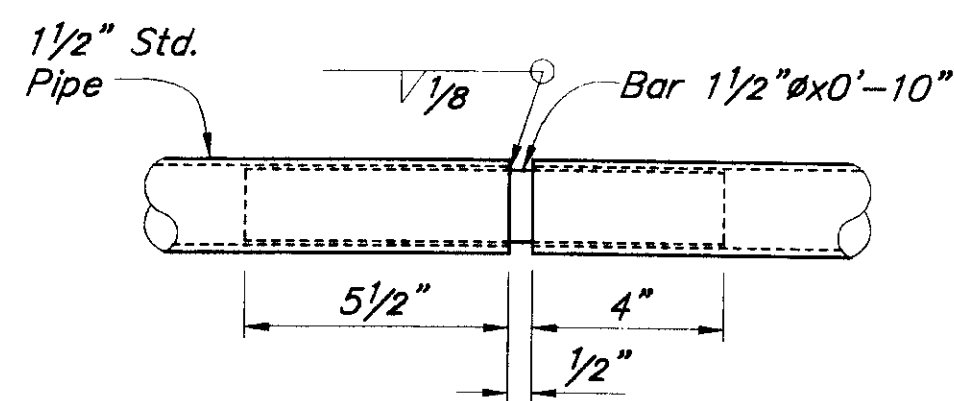


Cope top & bottom flange

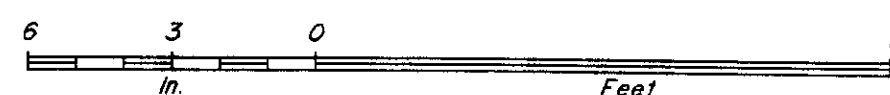


SECTION A-A

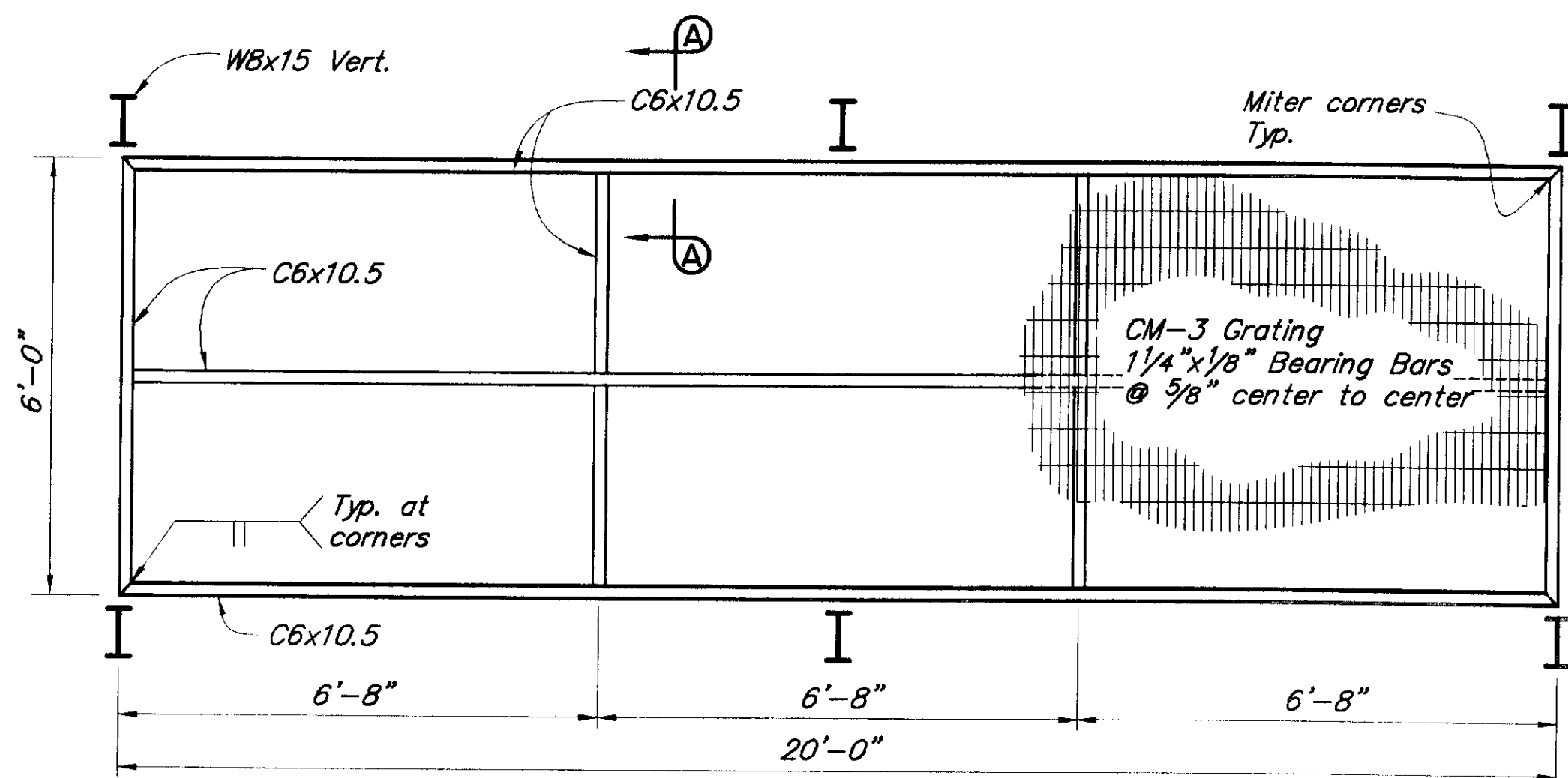
No Scale



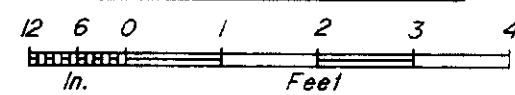
SPLICE DETAIL



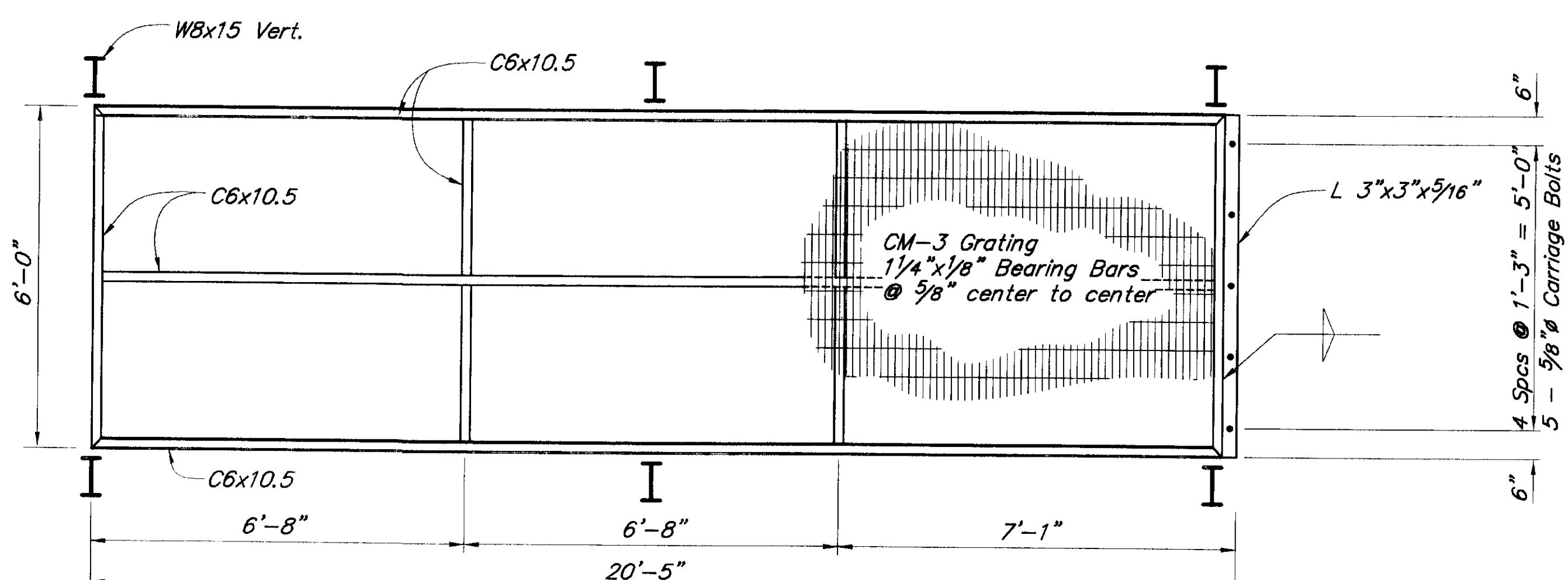
PEDESTRAIN RAIL



INTERIOR UNIT
PLAN
WALKWAY



Tack weld bearing bars at 1'-0" o.c. to exterior supports and at 2'-0" o.c. to interior support. Galvanize units after fabrication.



END UNIT
PLAN
WALKWAY



See interior unit for callouts in common



SKAGWAY RIVER
PEDESTRIAN CROSSING
PEDESTRIAN RAILING -
WALKWAY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
and PUBLIC FACILITIES
JUNEAU, ALASKA

BRIDGE NO. 1803

DWG. NO. 7

Designed By: JSJ
Detail Check By:
Design Check By:

P: 1/803/1803-7.dwg
12/1/1998 2:18
Plot Scale = 1:00
Drawn or Revised By: SHS

SKAGWAY AIR TERMINAL

AIP #3 02 0270 0399
JANUARY 20, 1990

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
SOUTHEAST REGION DESIGN & CONSTRUCTION

ARCHITECTS
Jensen Yorba Lott, Inc.

522 WEST 10TH STREET
JUNEAU, ALASKA 99801
(907) 586-1070
FAX (907) 586-3959

N001 COVER SHEET
N201 FLOOR PLAN
N202 ROOF PLAN & DETAILS
N301 ELEVATIONS -- NORTH & SOUTH
N302 ELEVATIONS -- EAST & WEST
N303 BUILDING SECTIONS
N304 BUILDING SECTIONS
N801 REFLECTED CEILING PLANS
N801 WALL SECTION & EXTERIOR DETAILS
N802 WINDOW DETAILS
N803 WALKWAY AND EXTERIOR DETAILS
N901 CASEWORK & INTERIOR DETAILS
N902 DISPLAY CASES & INTERIOR DETAILS

STRUCTURAL ENGINEER
R&M ENGINEERING, INC.

6205 GLACIER HIGHWAY
JUNEAU, ALASKA 99801

907.780.6060
FAX 907.780.4611

0-1 STRUCTURAL NOTES
0-2 FOUNDATION PLAN
0-3 FOUNDATION DETAILS
0-4 FOUNDATION DETAILS
0-5 ROOF FRAMING PLAN
0-6 TYPICAL DETAILS
0-7 TYPICAL DETAILS
0-8 ROOF FRAMING DETAILS
0-9 ROOF FRAMING DETAILS
0-10 ROOF FRAMING DETAILS
0-11 ROOF FRAMING DETAILS

MECHANICAL ENGINEER
MURRAY & ASSOCIATES

P.O. BOX 20181
JUNEAU, ALASKA 99802

907.586.6622
FAX 907.586.6066

P-1 FOUNDATION PLAN, SCHEDULES & SYMBOLS
P-2 PIPING FLOOR PLAN
P-3 DUCTWORK FLOOR PLAN
P-4 PIPING DIAGRAMS
P-5 DETAILS

ELECTRICAL ENGINEER
HAIGHT & McLAUGHLIN

418 HARRIS STREET
JUNEAU, ALASKA 99801

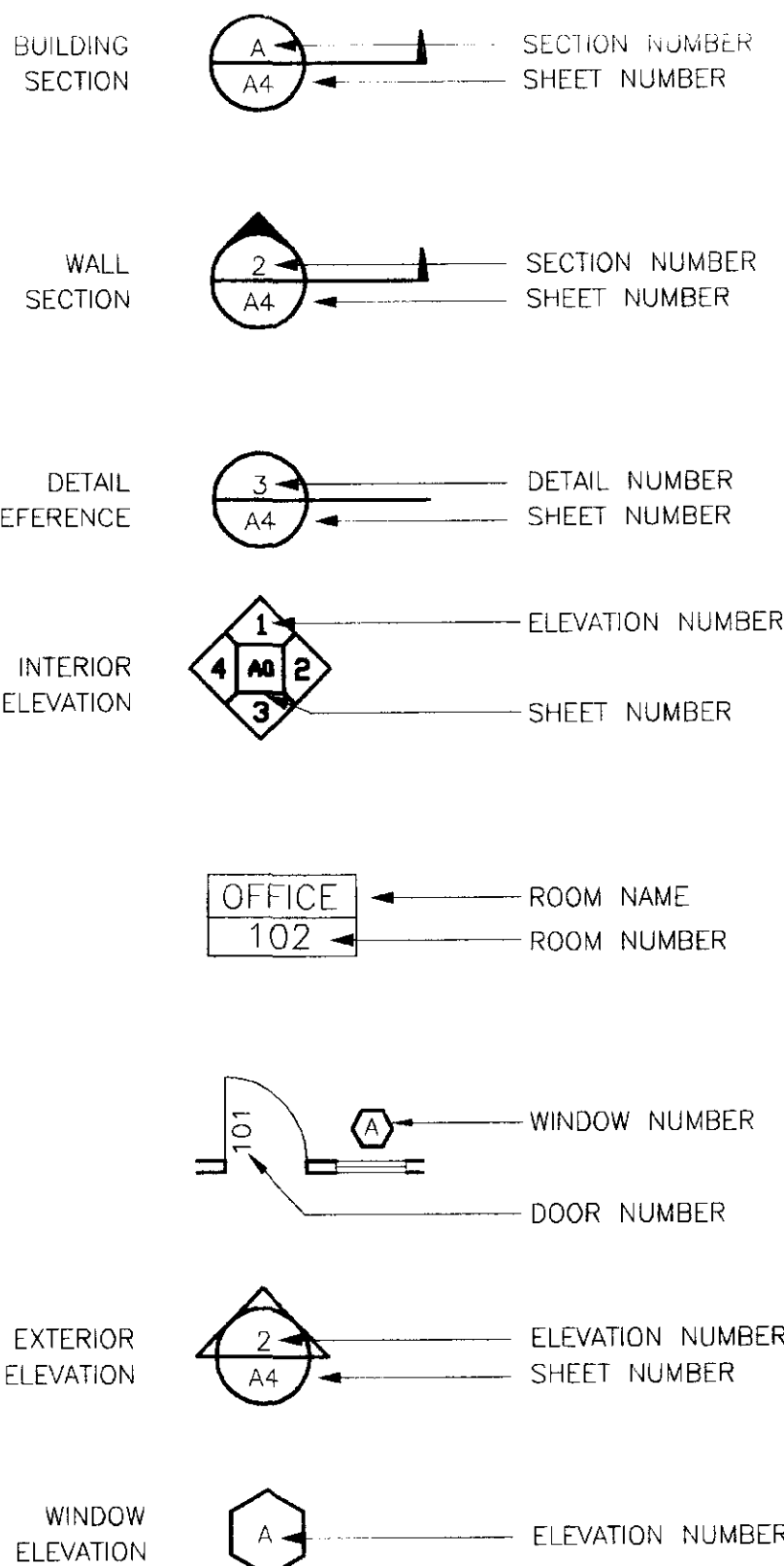
907.586.9788
FAX 907.586.5774

Q-1 POWER PLAN
Q-2 LIGHTING PLAN
Q-3 SCHEDULES

ABBREVIATIONS

L @ C #	AND ANGLE AT CENTERLINE DIAMETER NUMBER	FA FB FD FDN FEC FHC FIN FL FLG FLUOR FOC FOF FOS FS FT FTG FURR	FIRE ALARM FLAT BAR FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER CAB FIRE HOSE CABINET FINISH FLOOR FLASHING FLUORESCENT FACE OF CONCRETE FACE OF FINISH FACE OF STUDS FULL SIZE FOOT OR FEET FOOTING FURRING	N NIC NO OR # NOM NTS	NORTH NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE		
AB ACOUS AD ADJ AFF AL APPROX ARCH	ANCHOR BOLTS ACOUSTICAL AREA DRAIN ADJUSTABLE ABOVE FINISHED FLOOR ALUMINUM APPROXIMATE ARCHITECTURAL	CA GB GL GLB GR GWB GV	GAUGE GRAB BAR GLASS GLU-LAM BEAM GRADE GYPSUM WALL BOARD GALVANIZED			OA OC OD OFF OPNG OPP	OVERALL ON CENTER OUTSIDE DIAMETER OFFICE OPENING OPPOSITE
BD BLDG BLKG BM BOT	BOARD BUILDING BLOCKING BEAM BOTTOM	CA GB GL GLB GR GWB GV	GAUGE GRAB BAR GLASS GLU-LAM BEAM GRADE GYPSUM WALL BOARD GALVANIZED			PL PLAM PLYWD PR PT PTD PTN	PLATE PLASTIC LAMINATE PLYWOOD PAIR POINT PAPER TOWEL DISPENSER PARTITION
CAB CB CI CLC CLR CNTR COL CONC CONN CONSTR CONT CORR CTR CTSK	CABINET CATCH BASIN CAST IRON CEILING CLEAR COUNTER COLUMN CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CORRIDOR CENTER COUNTERSUNK	HB HC HDWE HWE HGT HM HORIZ HR	HOSE BIBB HOLLOW CORE HARDWOOD HARDWARE HEIGHT HOLLOW METAL HORIZONTAL HOUR			R RAD RD REF REFR REINF REQ	RISER RADIUS ROOF DRAIN REFERENCE REFRIGERATOR REINFORCED REQUIRED
DBL DEPT DF DIA DIM DISP DN DO DR DS DSP DWG DWR	DOUBLE DEPARTMENT DRINKING FOUNTAIN DETAIL DIAMETER DIMENSION DISPENSER DOWN DOOR OPENING DOOR DOWNSPOUT DRY STANDPIPE DRAWING DRAWER	ID INSUL INT JAN JT LAM LAV LKR LT M MAX MECH MEMB MFR MH MIN MISC MTD MTL MUL	INSIDE DIAMETER INSULATION INTERIOR JANITOR JOINT LAMINATE LAVATORY LOCKER LIGHT MIRROR MAXIMUM MECHANICAL MEMBRANE MANUFACTURER MANHOLE MINIMUM MISCELLANEOUS MOUNTED METAL MULLION			S SC SCHED SD SECT SH SHTH SIM SPEC SQ S SK STA STC STD STL STOR STRUCT ST ST SUSP SYM SV	SOUTH SOLID CORE SCHEDULE SOAP DISPENSER SECTION SHELF SHEATHING SIMILAR SPECIFICATIONS SQUARE SERVICE SINK STATION SOUND TRANSMISSION CLASS STANDARD STEEL STORAGE STRUCTURAL STAINLESS STEEL SUSPENDED SYMMETRICAL SHEET VINYL

SYMBOLS



CODE ANALYSIS

A. APPLICABLE CODES AND STANDARDS

- 1994 UNIFORM BUILDING CODE
- 1988 UNIFORM MECHANICAL CODE
- 1994 UNIFORM PLUMBING CODE
- 1990 NATIONAL ELECTRIC CODE
- 1990 UNIFORM FIRE CODE
- 1991 ADAAG-- ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES

OCCUPANCY GROUP: B

TYPE OF CONSTRUCTION: TYPE V -- N

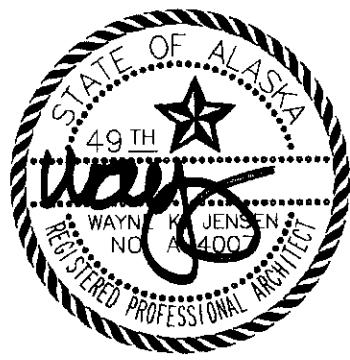
LOCATION ON PROPERTY:
NO REQUIREMENTS DUE TO LOCATION

ALLOWABLE FLOOR AREA:

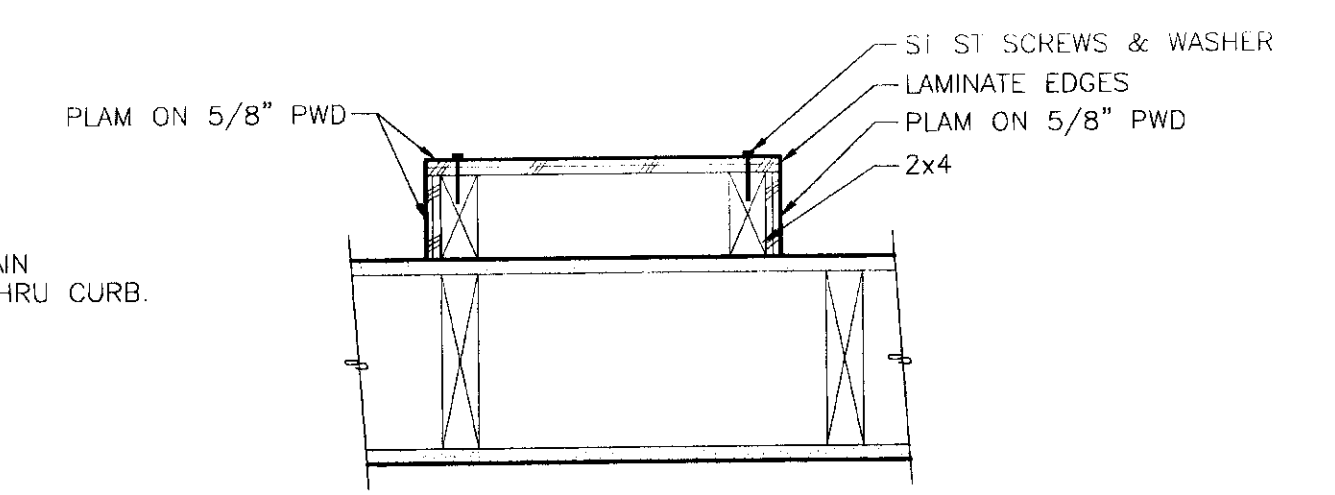
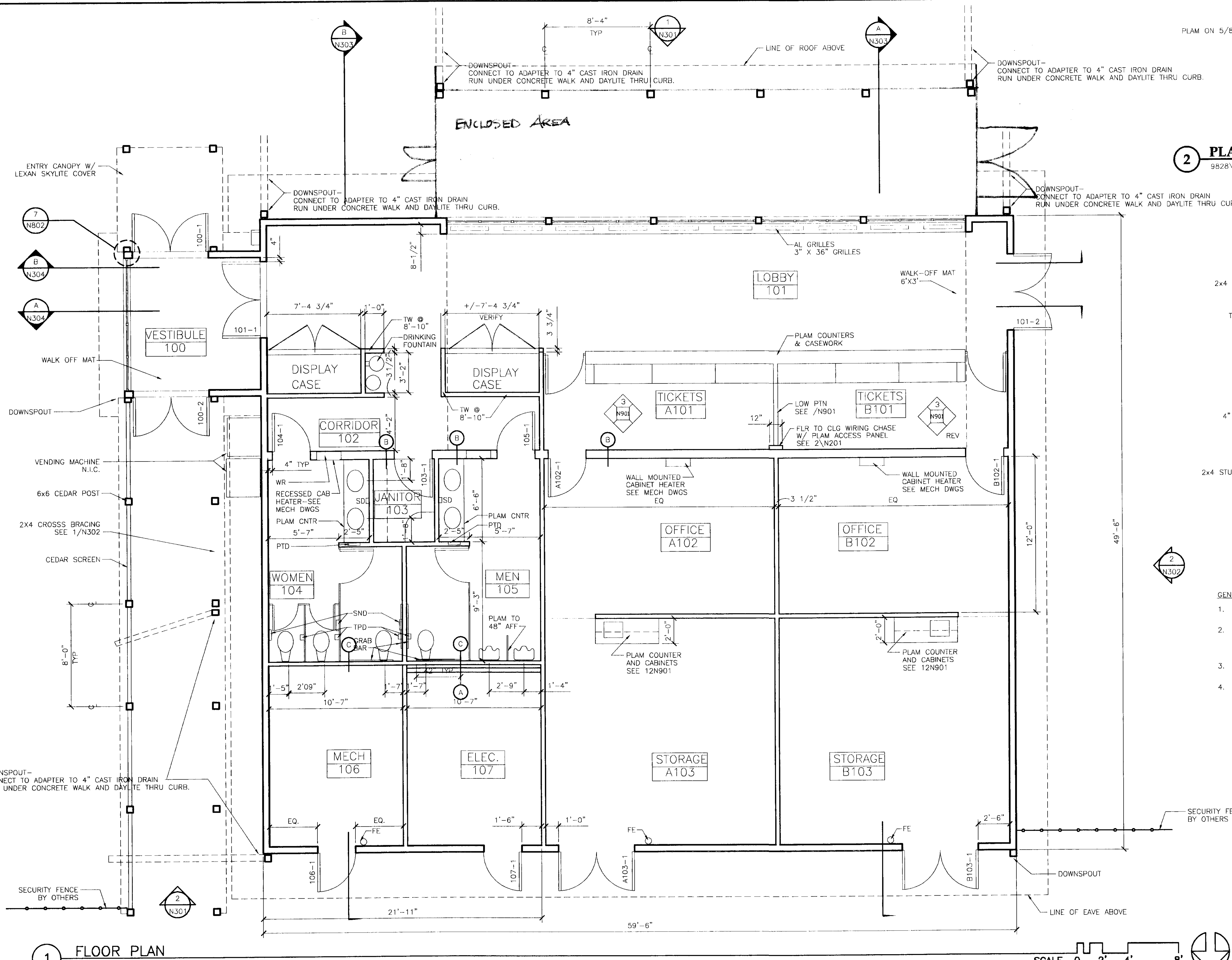
BASIC ALLOWABLE:	8,000 SF	PER FLOOR
ACTUAL BUILDING AREA:	2,945 SF	

ALLOWABLE HEIGHT / NUMBER OF STORIES:

ALLOWABLE HEIGHT =	40' / 2 STORIES
ACTUAL HEIGHT =	25' / 1 STORY

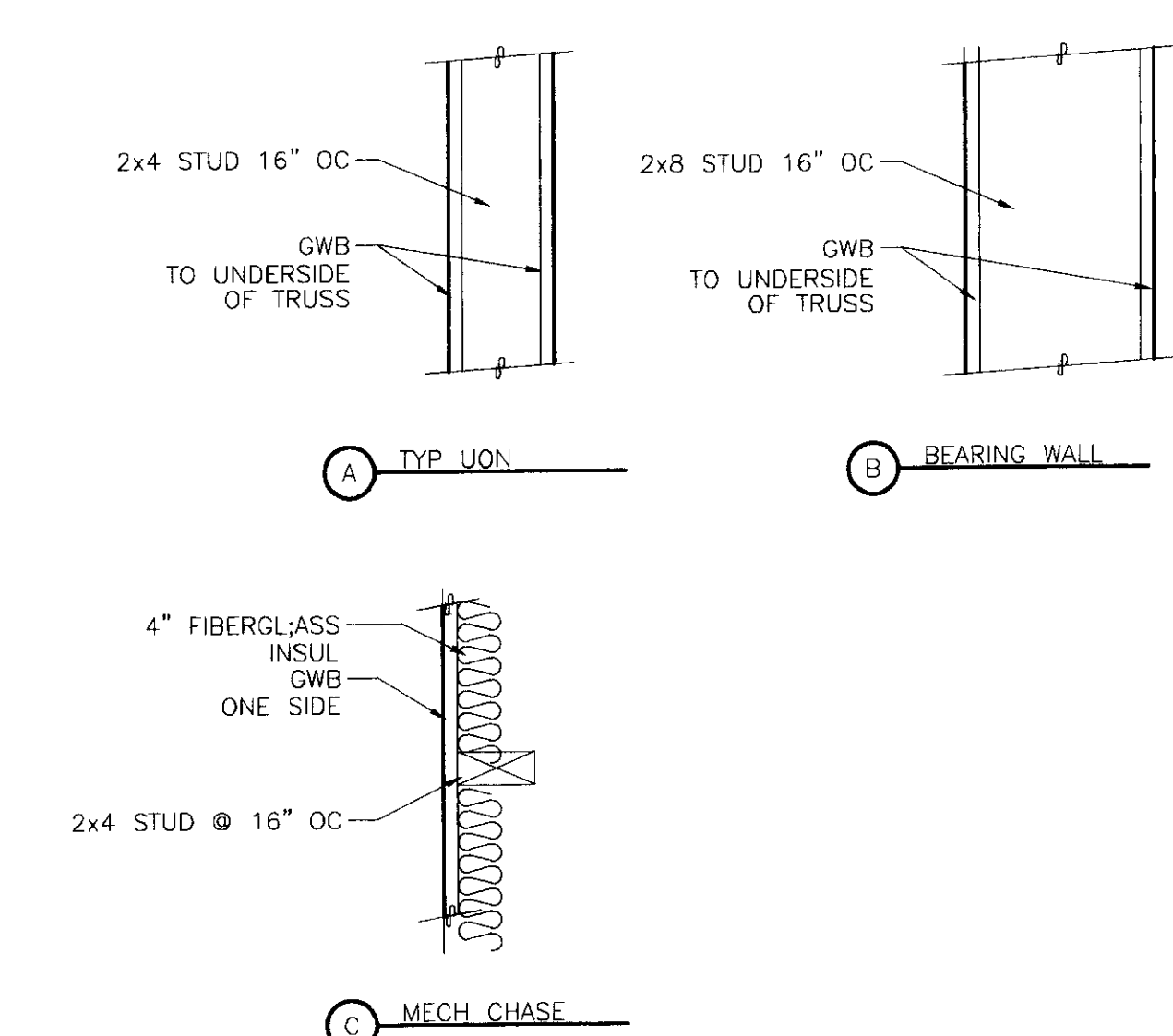


N 001



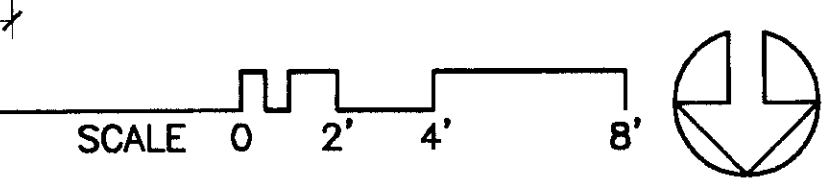
2 PLAM ACCESS PANEL
9828\N201-2 SCALE: 0 6" 1' 2'

PARTITION TYPES



- GENERAL NOTES:**
- COORDINATE ALL EXCAVATION AND EARTHWORK WITH CIVIL ENGINEERING DRAWINGS.
 - FINISH FLOOR ELEVATION IS NOTED AS 0'-0". ALL ELEVATION MARKINGS ARE RELATIVE TO FINISH FLOOR. REFER TO CIVIL & ENGINEERING DRAWINGS FOR BASE ELEVATIONS AND GRADE @ BUILDING PERIMETER.
 - ALL INTERIOR PARTITION DIMENSIONS ARE FROM FACE OF STUD WALL TO FACE OF STUD WALL UNLESS OTHERWISE NOTED.
 - PROVIDE BLOCKING FOR GRAB BARS, DISPLAY CASES, AND MECHANICAL & ELECTRICAL EQUIPMENT. COORDINATE WITH MECH & ELEC DRAWINGS.

1 FLOOR PLAN



PATH: .N201PLN.DWG		01/21/99 08:55 am
BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

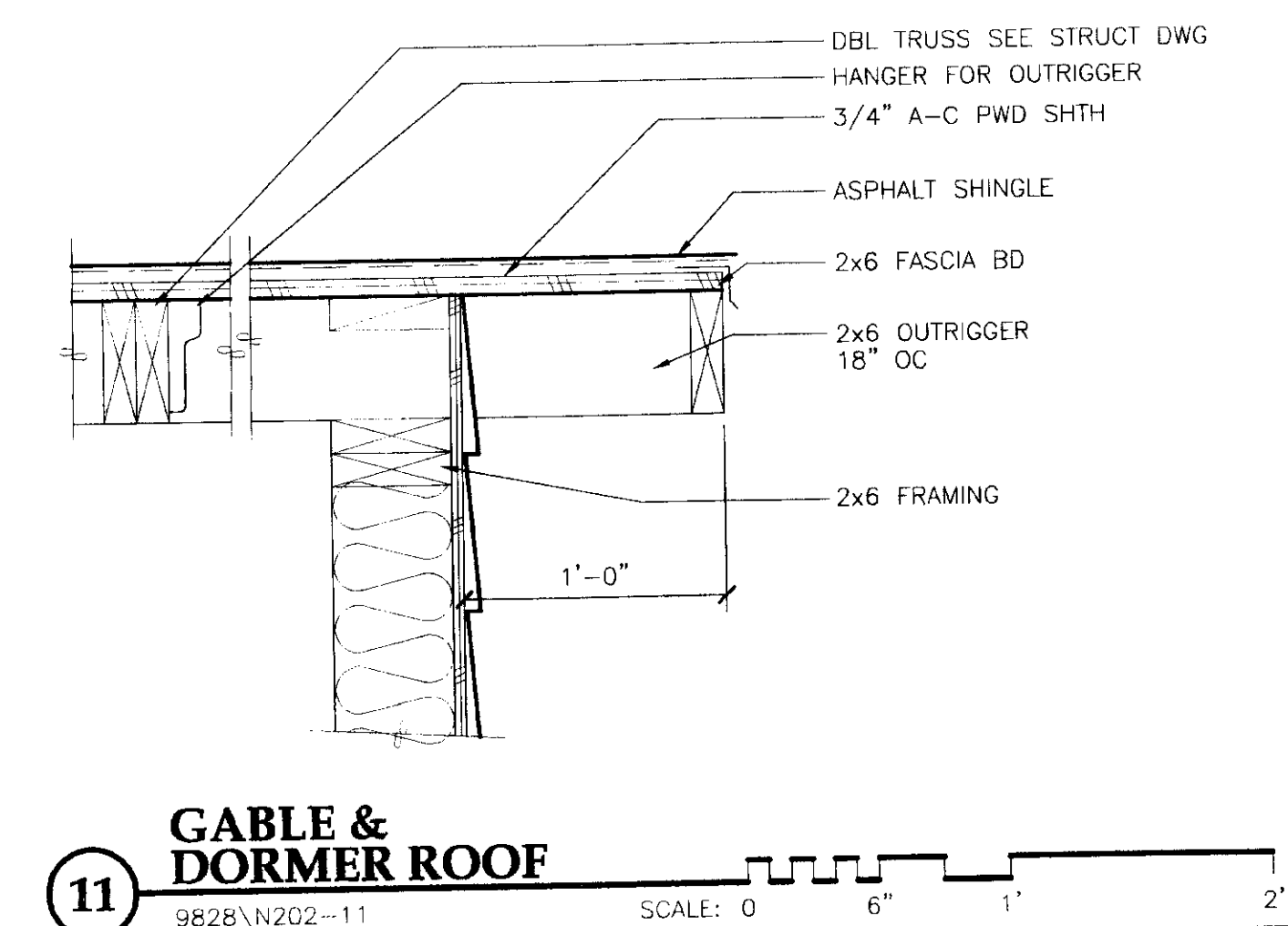
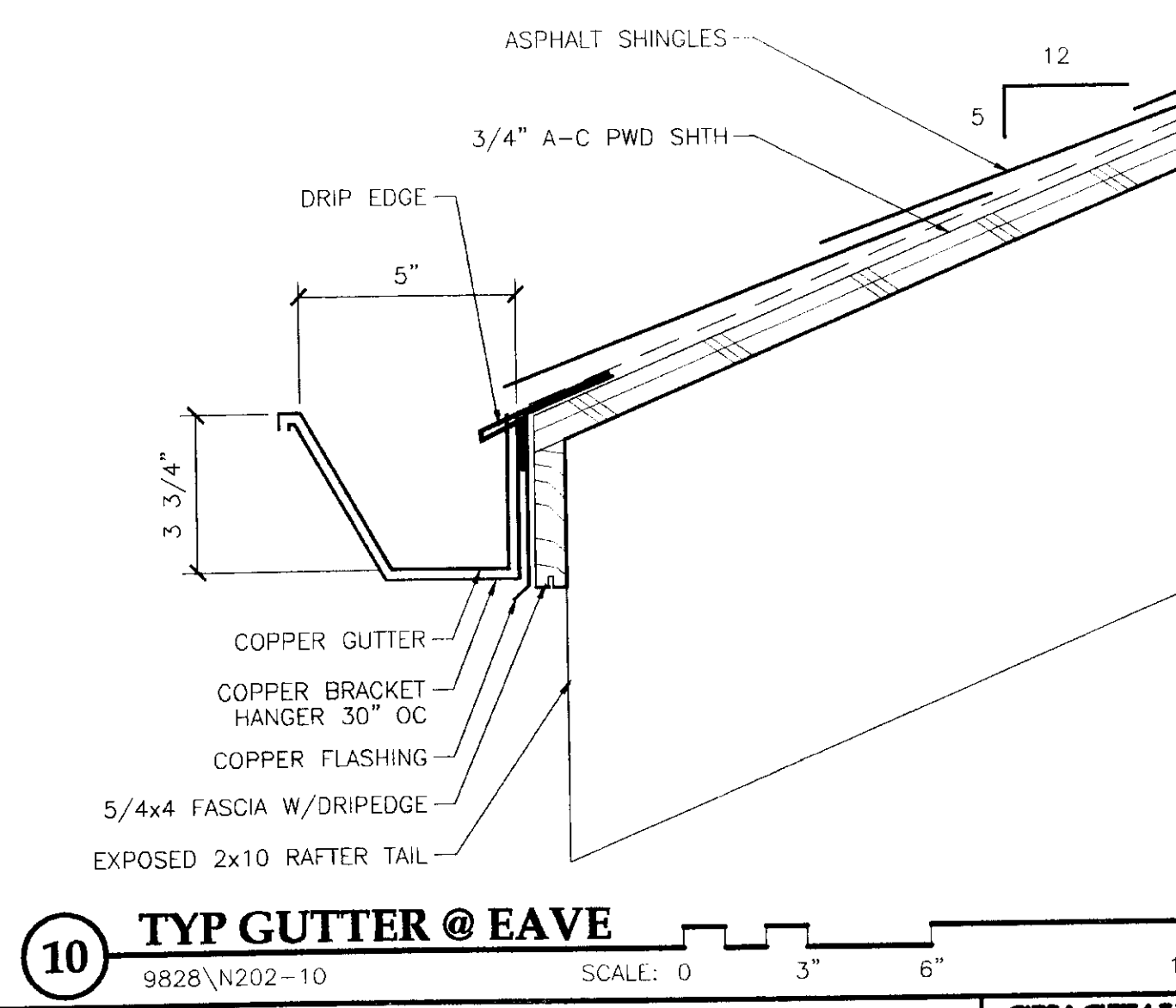
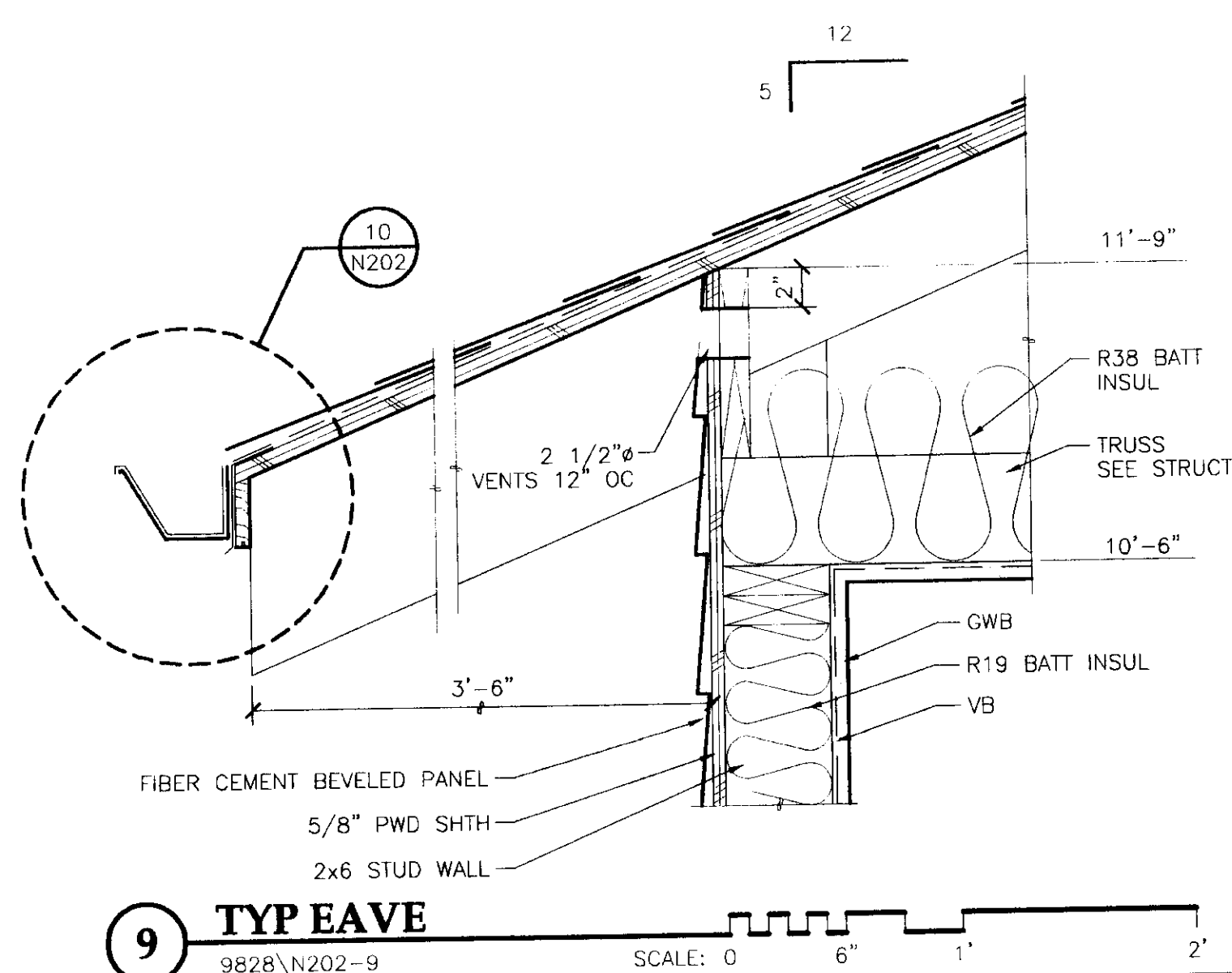
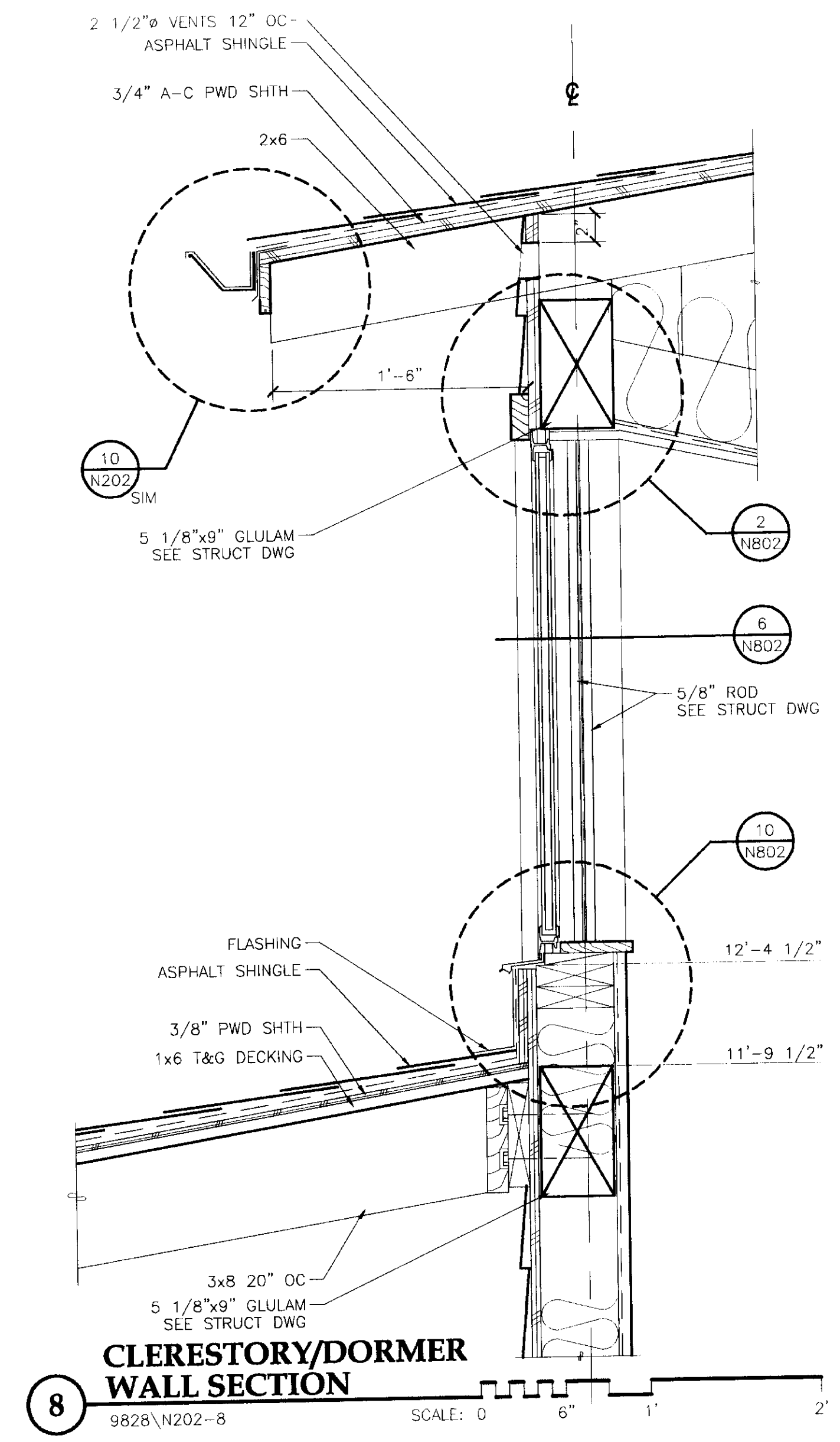
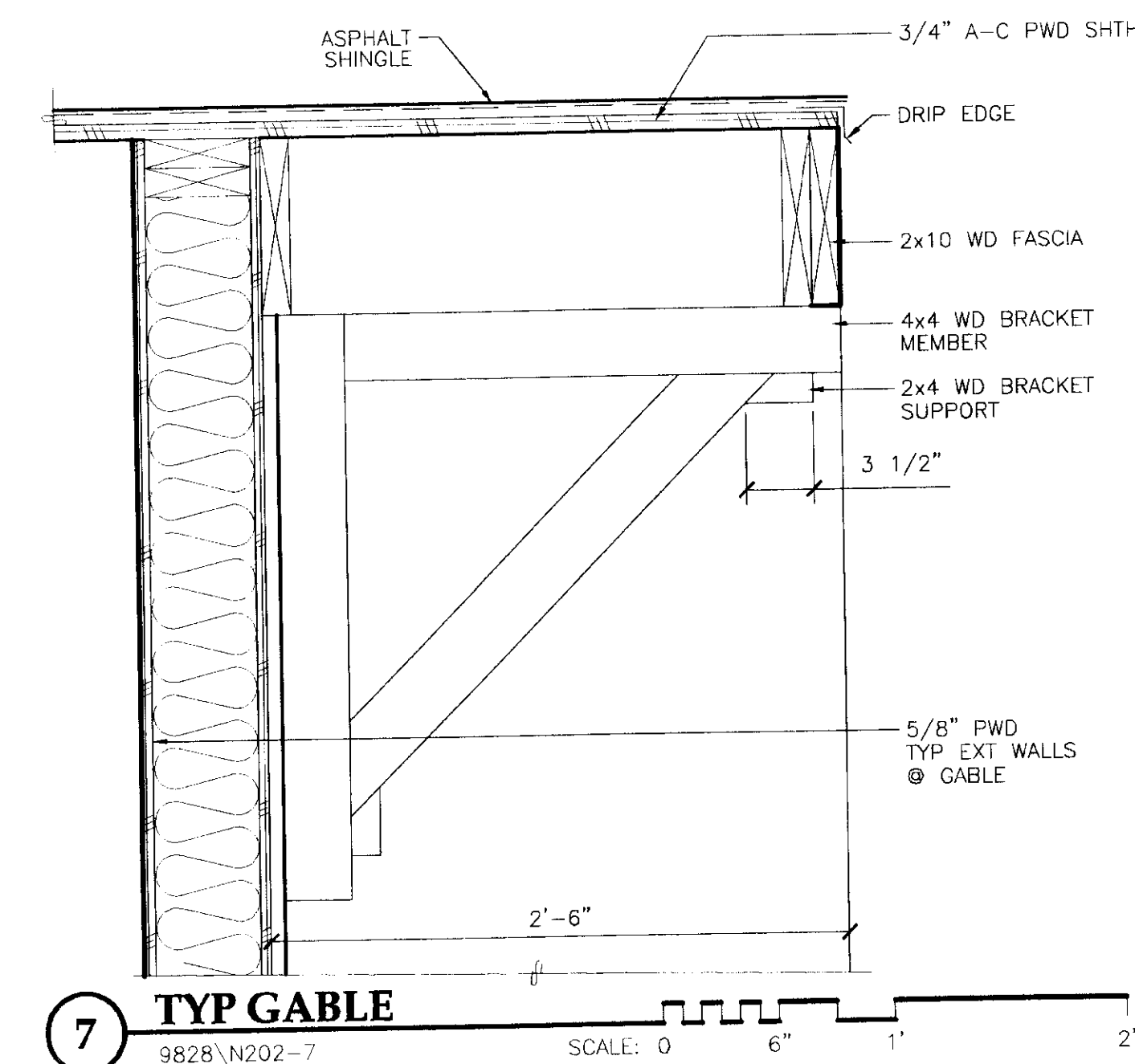
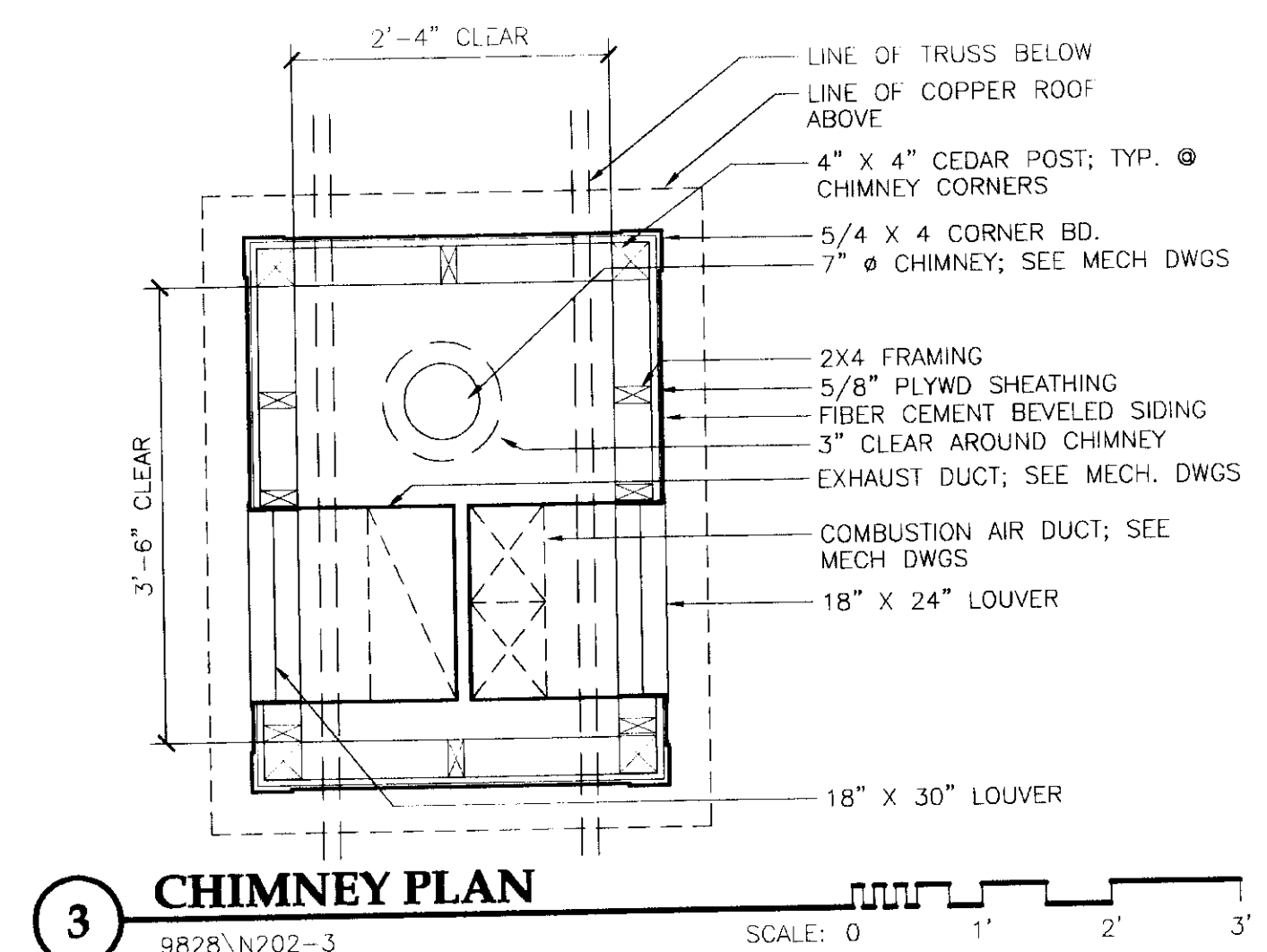
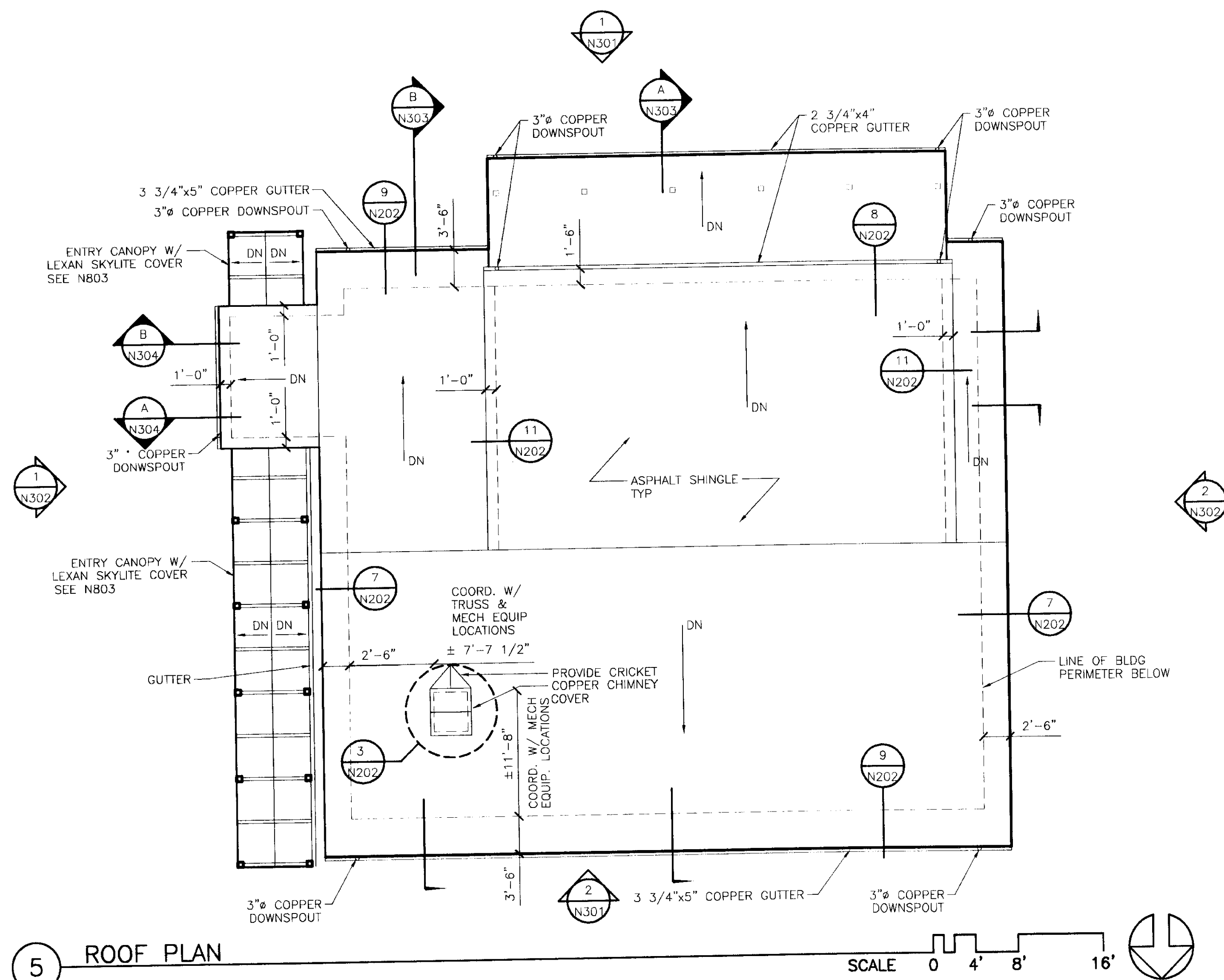
SKAGWAY
SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
FLOOR PLAN

DESIGNED BY:	PROJECT NO. 71835
DRAWN BY:	DATE: January 20, 1999
CHECKED BY:	SHEET N2010F

Jensen Yorba Lott Inc.
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jyl@alaska.net

NOTE:
DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

ENGINEER'S SEAL



PATH: N202RFP.DWG		01/21/99 09:02 am
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

ALASKA
SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
ROOF PLAN & DETAILS

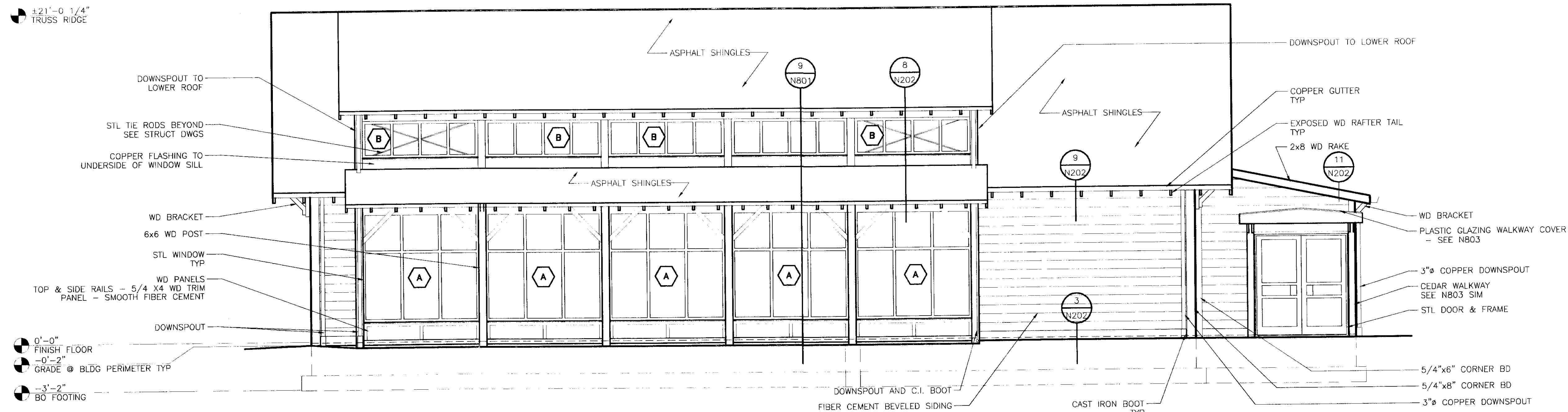
DESIGNED BY:	PROJECT NO. 71835
DRAWN BY:	DATE: January 20, 1999
CHECKED BY:	SHEET N2020F

Jensen Yorba Lott Inc.
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jyl@alaska.net

NOTE:
DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

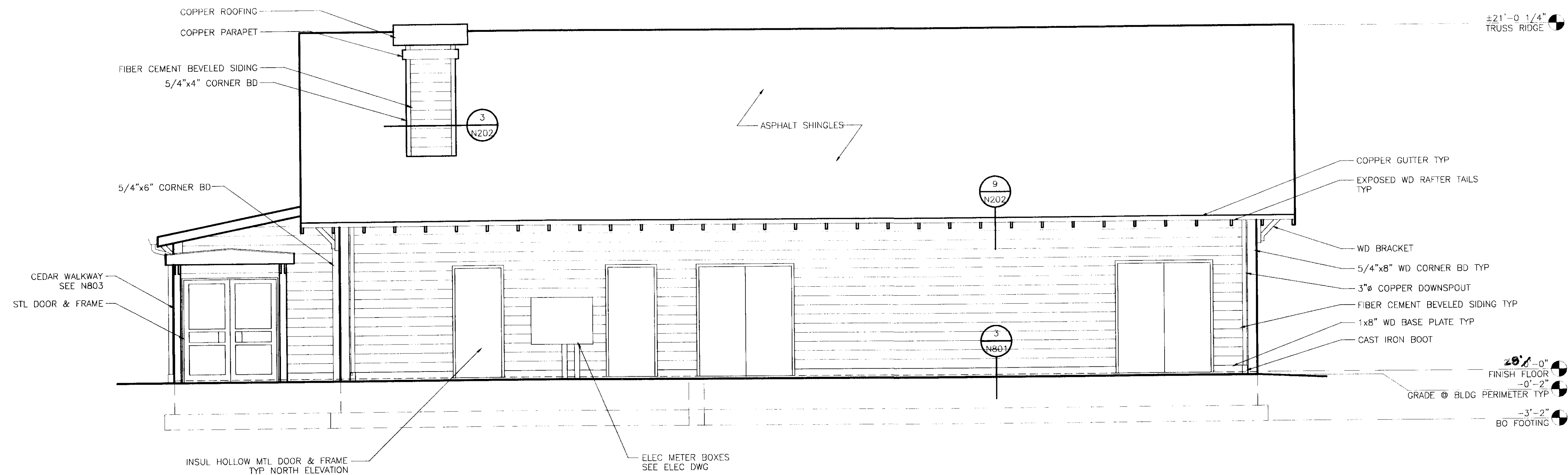
ENGINEER'S SEAL

±21'-0 1/4" TRUSS RIDGE



1 SOUTH ELEVATION

SCALE 0 2' 4' 8'



2 NORTH ELEVATION

SCALE 0 2' 4' 8'

PATH: , N301E WEL.DWG			01/21/99 09:02 am		
BY:	DATE:	DESCRIPTION OF CHANGE:			
RECORD OF REVISIONS					

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
ELEVATIONS - NORTH & SOUTH

ALASKA

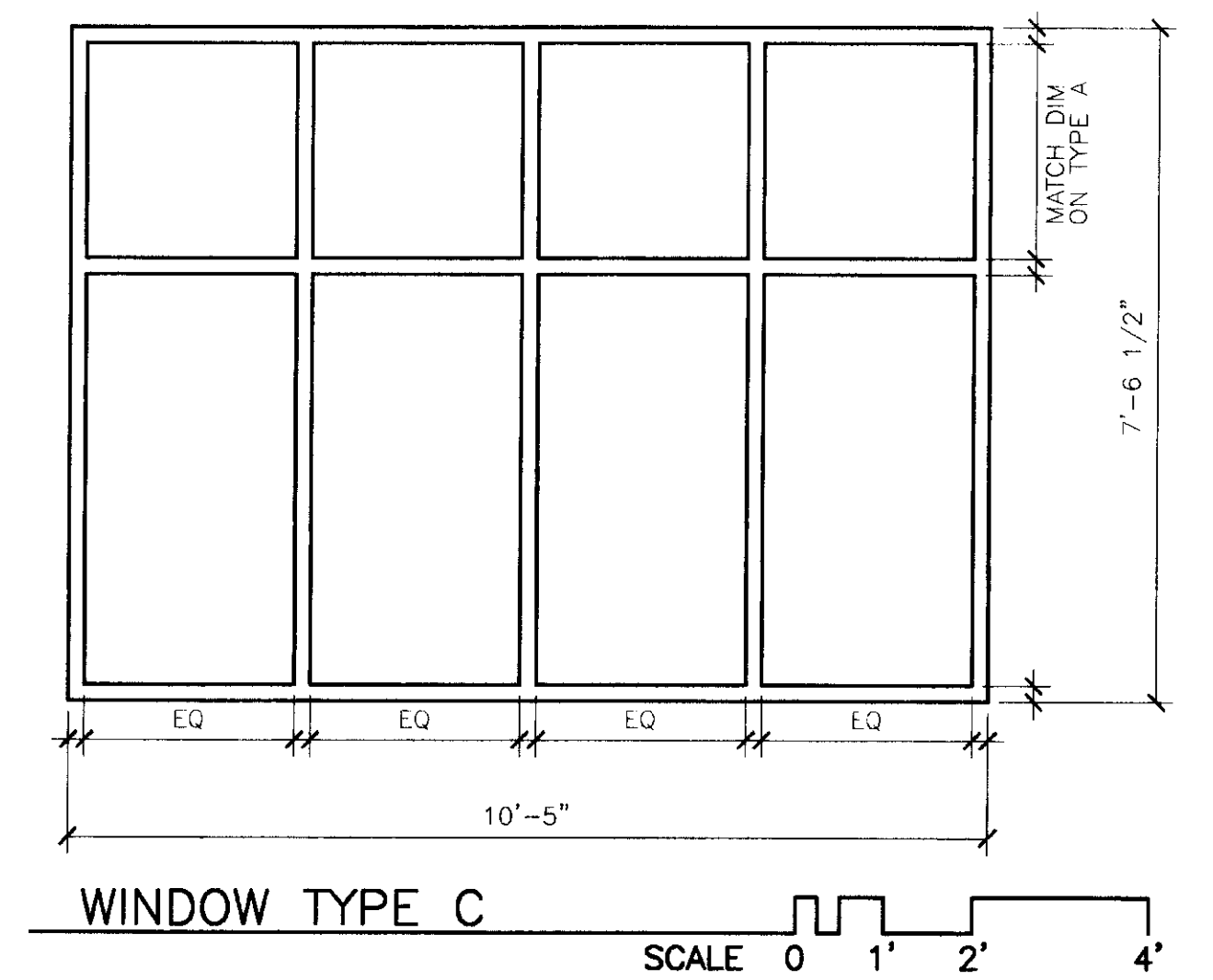
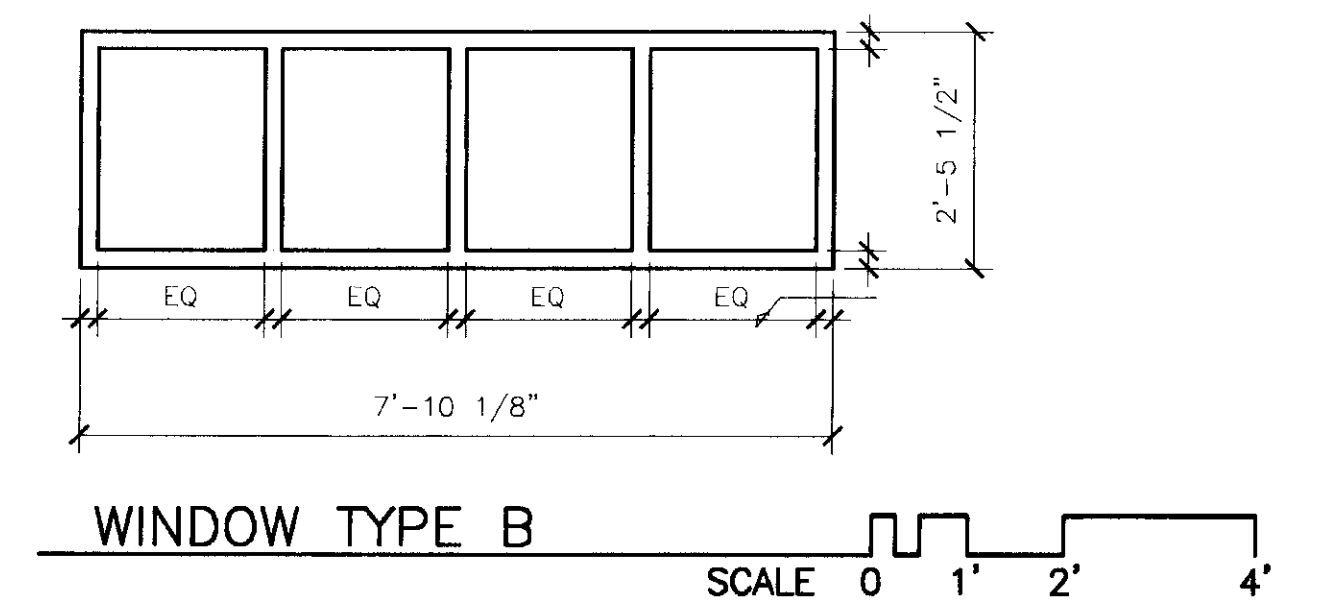
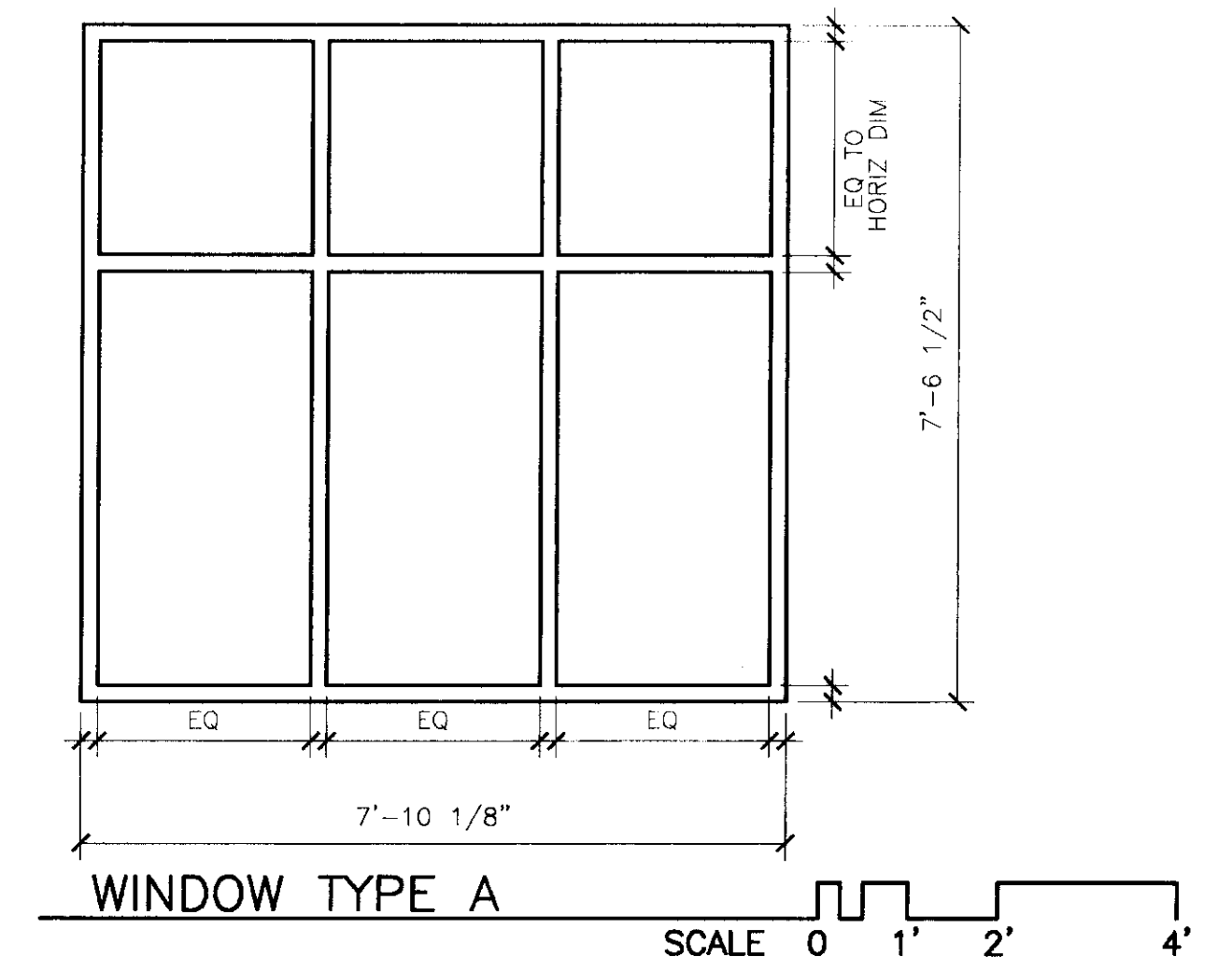
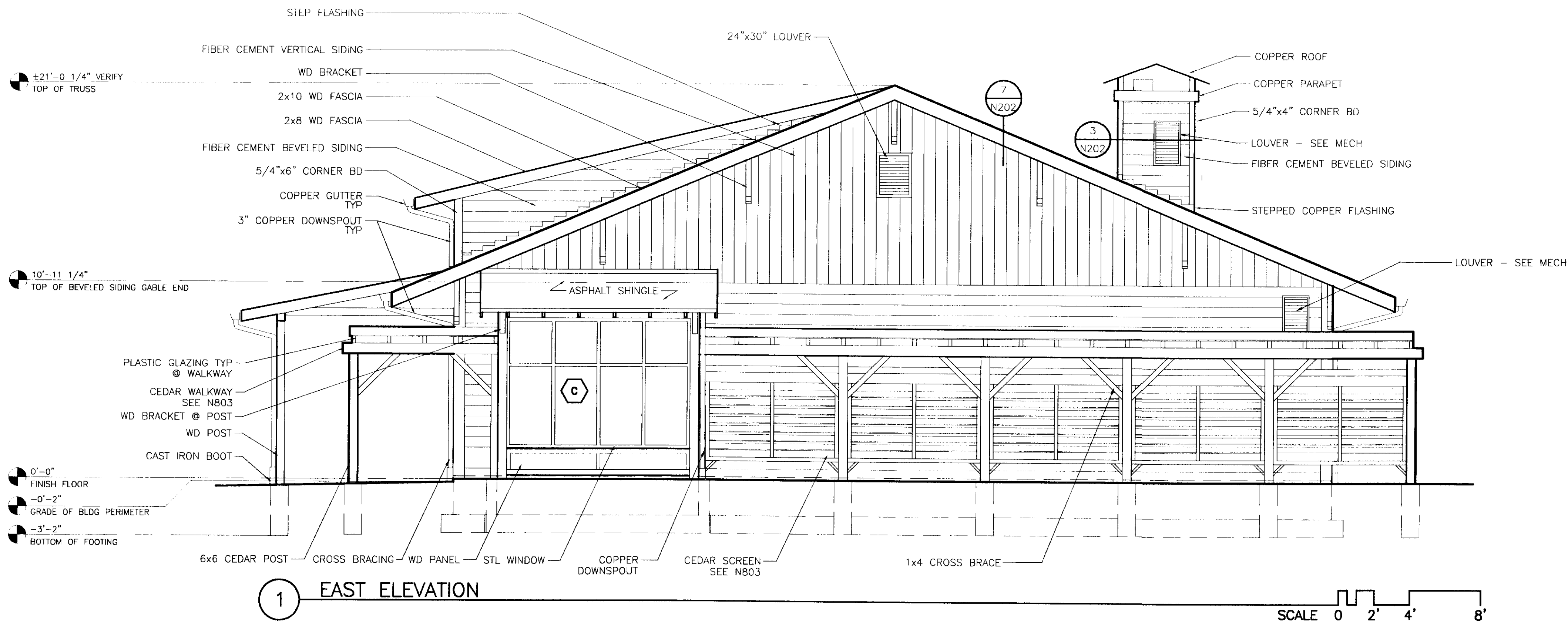
DESIGNED BY:	PROJECT NO. 71835
DRAWN BY:	DATE: January 20, 1999
CHECKED BY:	SHEET N301of

Jensen Yorba Lott Inc.
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jyl@alaska.net

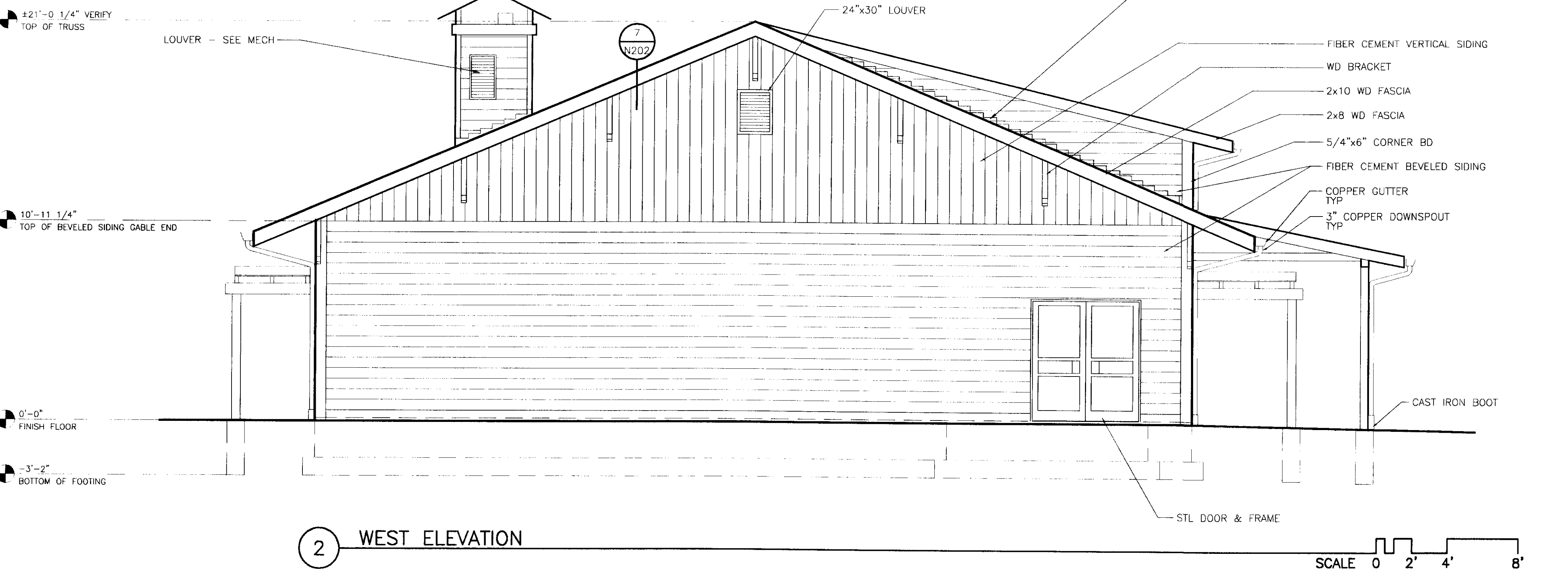
NOTE:
DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

ENGINEER'S SEAL

STATE OF ALASKA
49TH
WAYNE
NO.
REGISTERED PROFESSIONAL ARCHITECT



NOTE: CONFIRM ALL DIMENSIONS WITH ROUGH OPENINGS



**Jensen
Yorba
Lott
Inc.**

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fax 907-586-3959
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ENGINEER'S SEAL



N302NSEL.DWG		01/21/99 09:09 am
DATE:	DESCRIPTION OF CHANGE:	

STATE OF ALASKA
**DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES**
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
ELEVATIONS - EAST & WEST

ALASKA

DESIGNED BY:

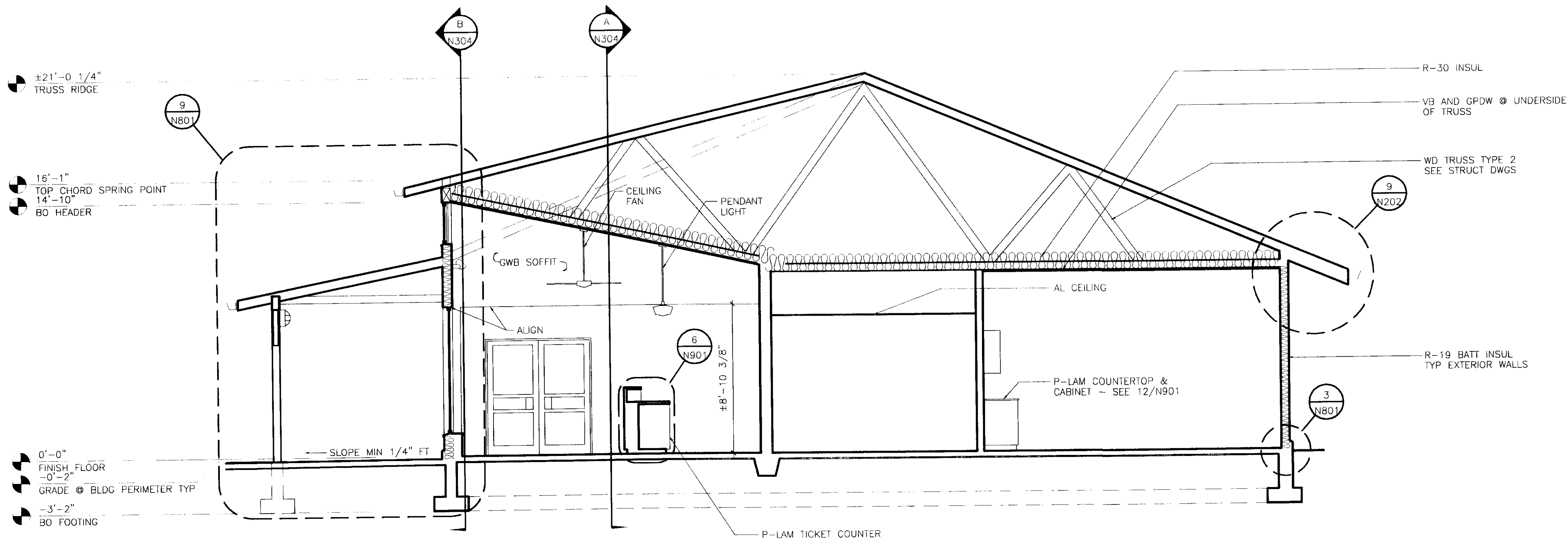
DRAWN BY:

CHECKED BY:

PROJECT NO.
71835

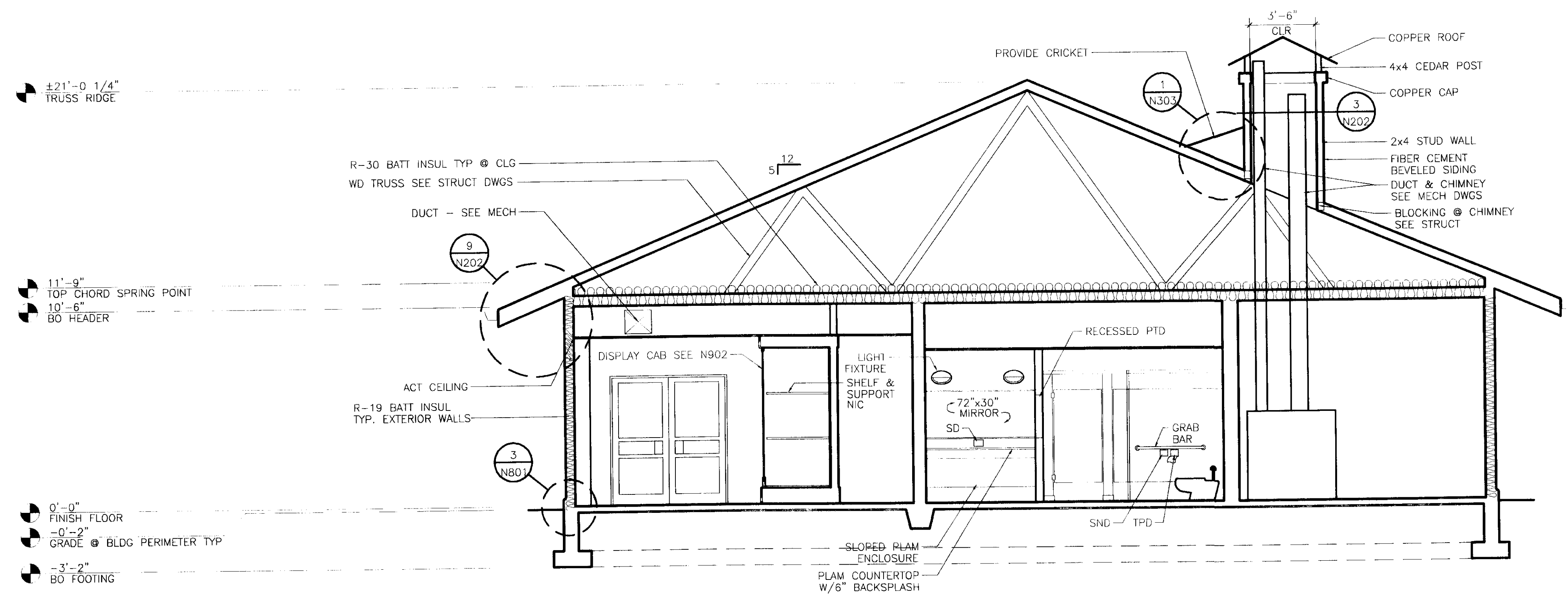
DATE:
January 20, 1999

SHEET N302 OF



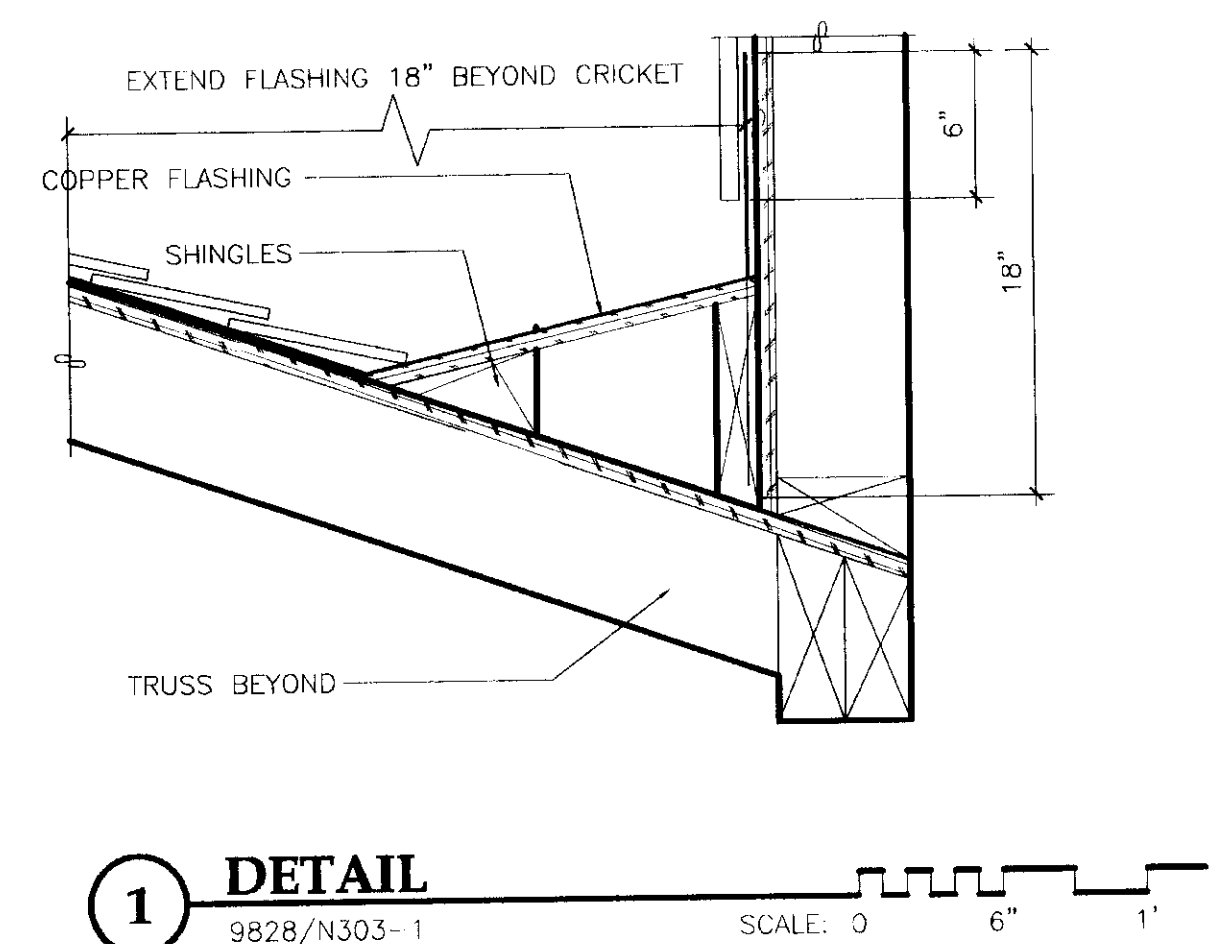
A BUILDING SECTION

SCALE 0 2' 4' 8'



B BUILDING SECTION

SCALE 0 2' 4' 8'



RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY
SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
BUILDING SECTIONS

ALASKA	DESIGNED BY:	PROJECT NO. 71835
	DRAWN BY:	DATE: January 20, 1999
	CHECKED BY:	SHEET N303 OF

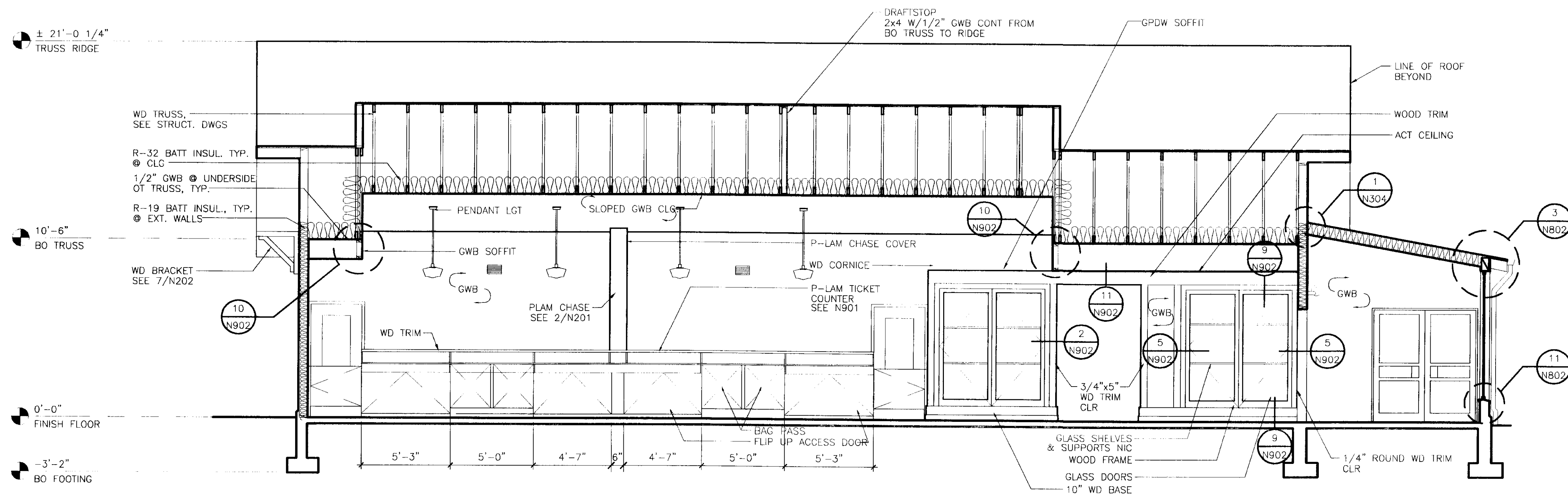
Jensen Yorba Lott Inc.

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Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jyl@alaska.net

NOTE:
DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

ENGINEER'S SEAL

STATE OF ALASKA
49th
WAYNE R. JENSEN
REGISTERED PROFESSIONAL ARCHITECT



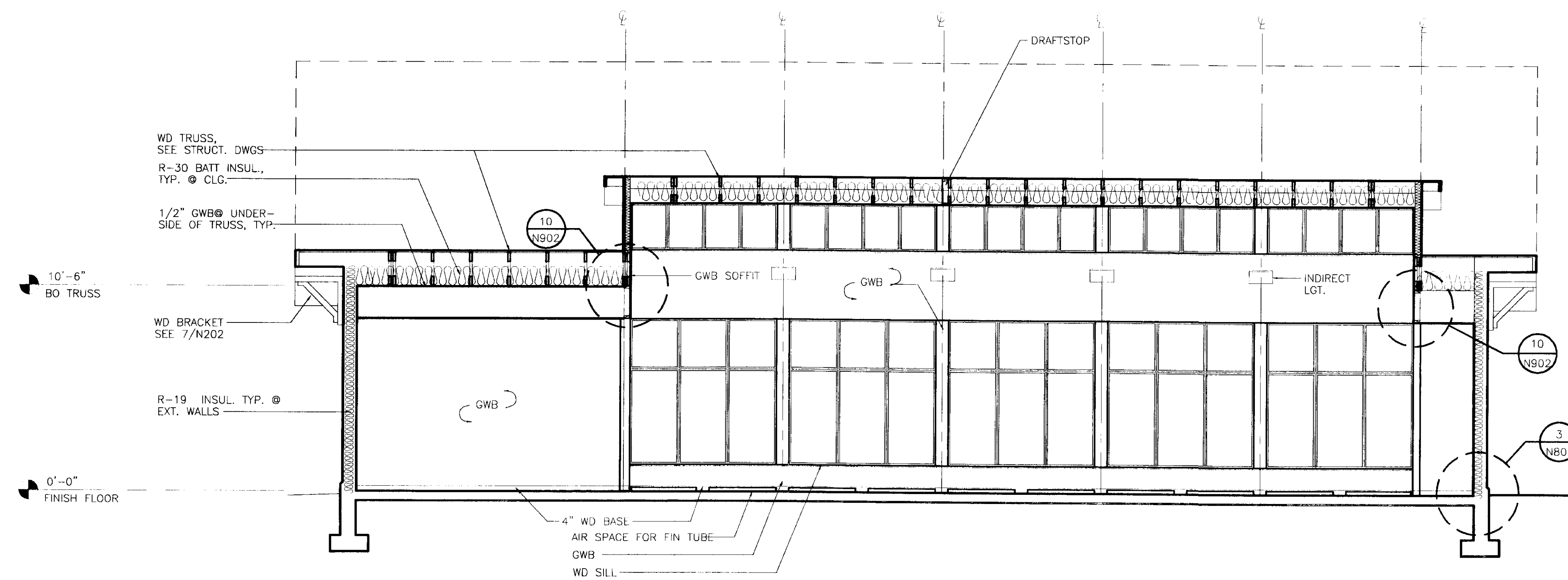
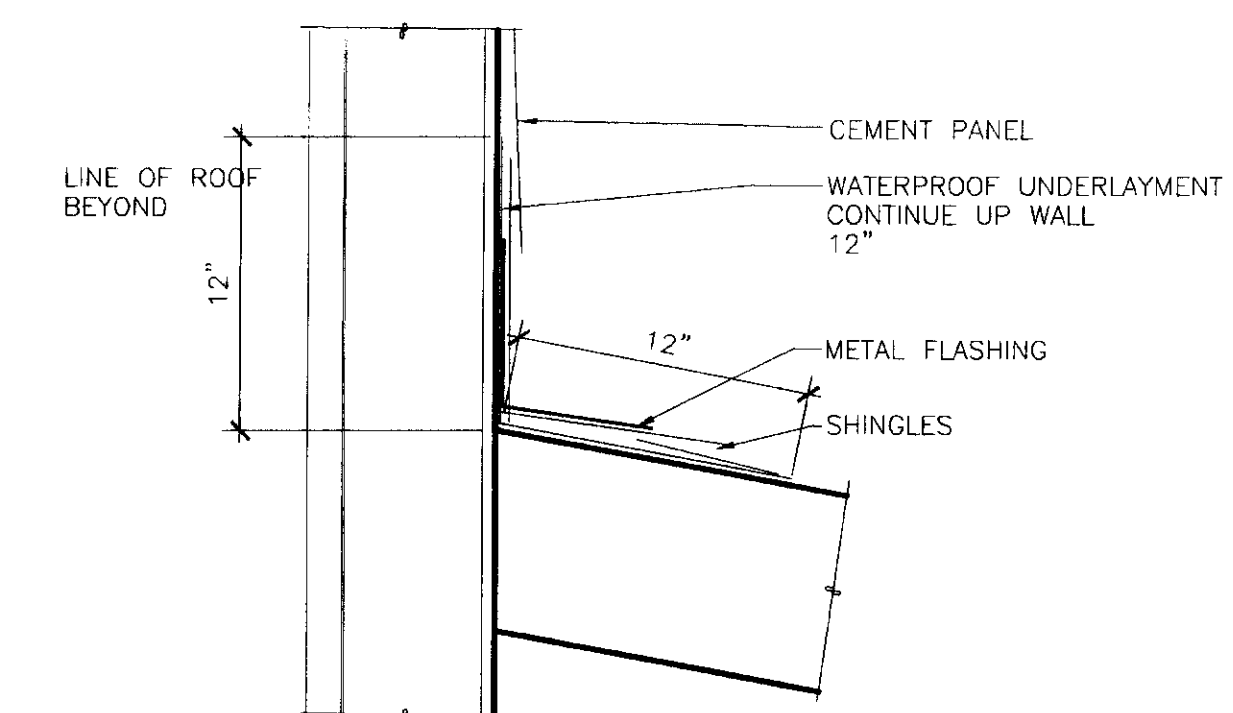
A BUILDING SECTION

SCALE 0 2' 4' 8'

1 DETAIL

9828/N304-1

SCALE: 0 6" 1' 2'



B BUILDING SECTION

SCALE 0 2' 4' 8'

PATH: .N304SXN.DWG		
01/21/99 09:16 am		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
BUILDING SECTIONS

ALASKA

DESIGNED BY:

DRAWN BY:

CHECKED BY:

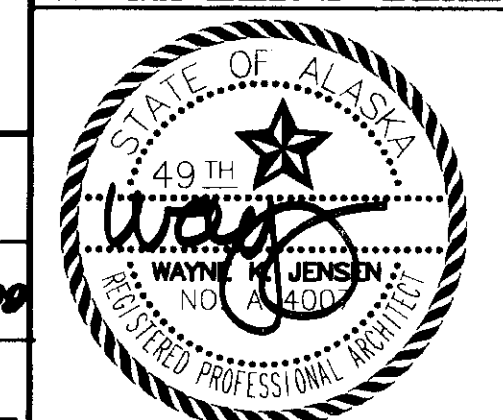
PROJECT NO.
71835

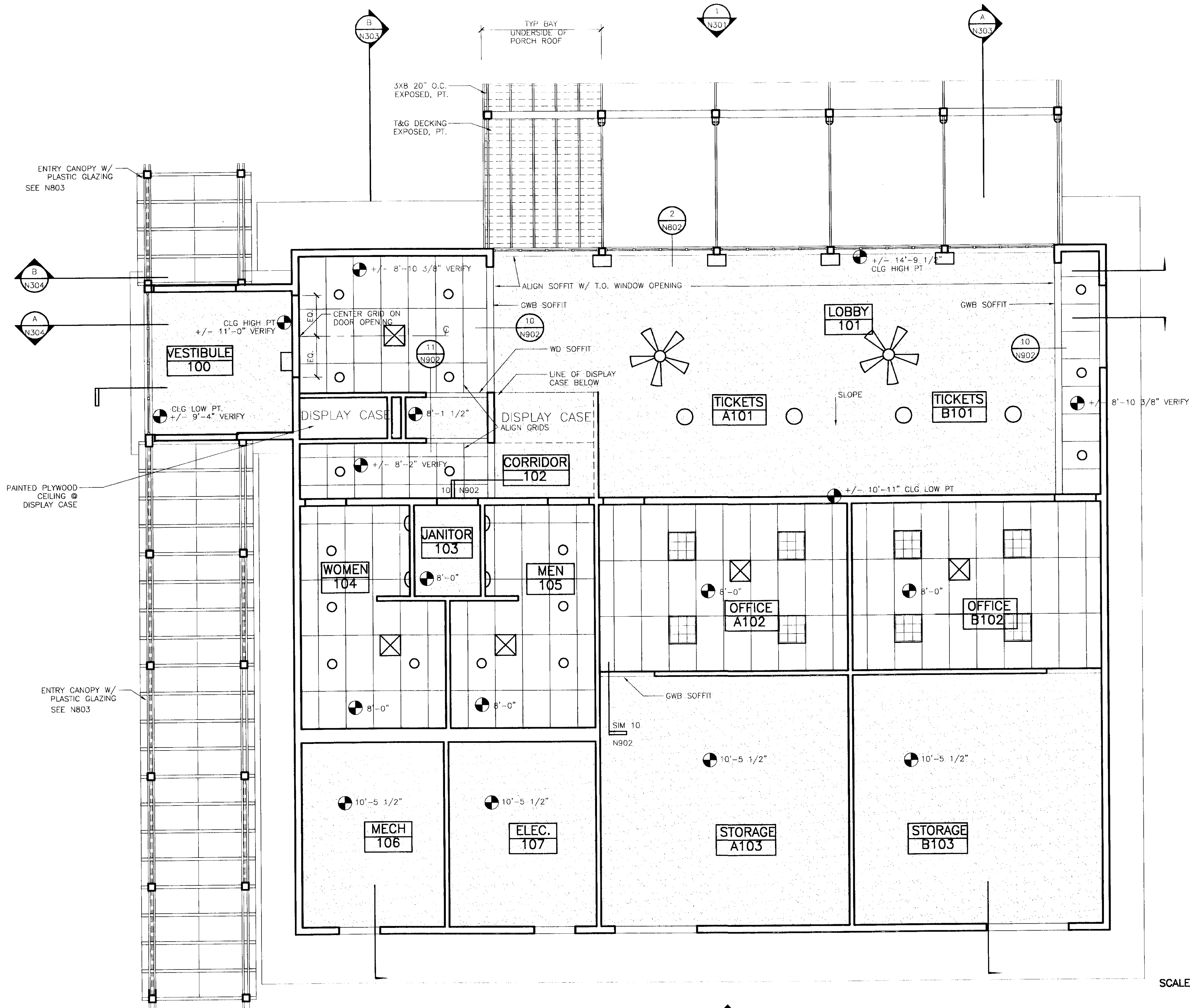
DATE:
January 20, 1999

SHEET N304OF

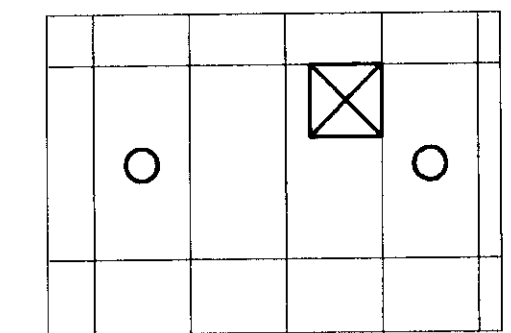
Jensen
Yorba
Lott
Inc.
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Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jyl@alaska.net

NOTE:
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PLANS - USE DIMENSIONS
ENGINEER'S SEAL

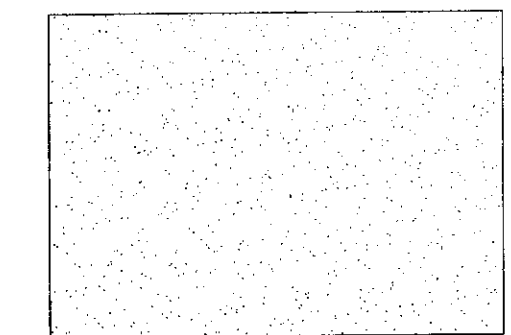




KEY



SUSPENDED
ACOUSTICAL CEILING
SYSTEM



GYPSUM WALL BOARD
AT UNDERSIDE
OF STRUCTURE

SCALE 0 2' 4' 8'

PATH:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

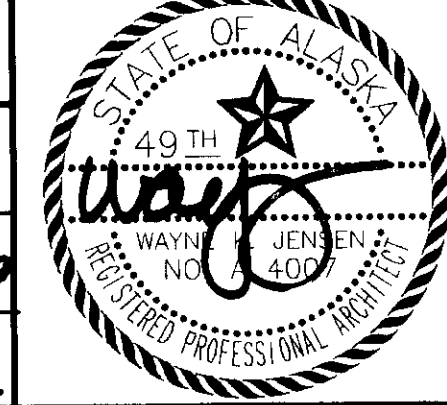
SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
REFLECTED CEILING PLAN

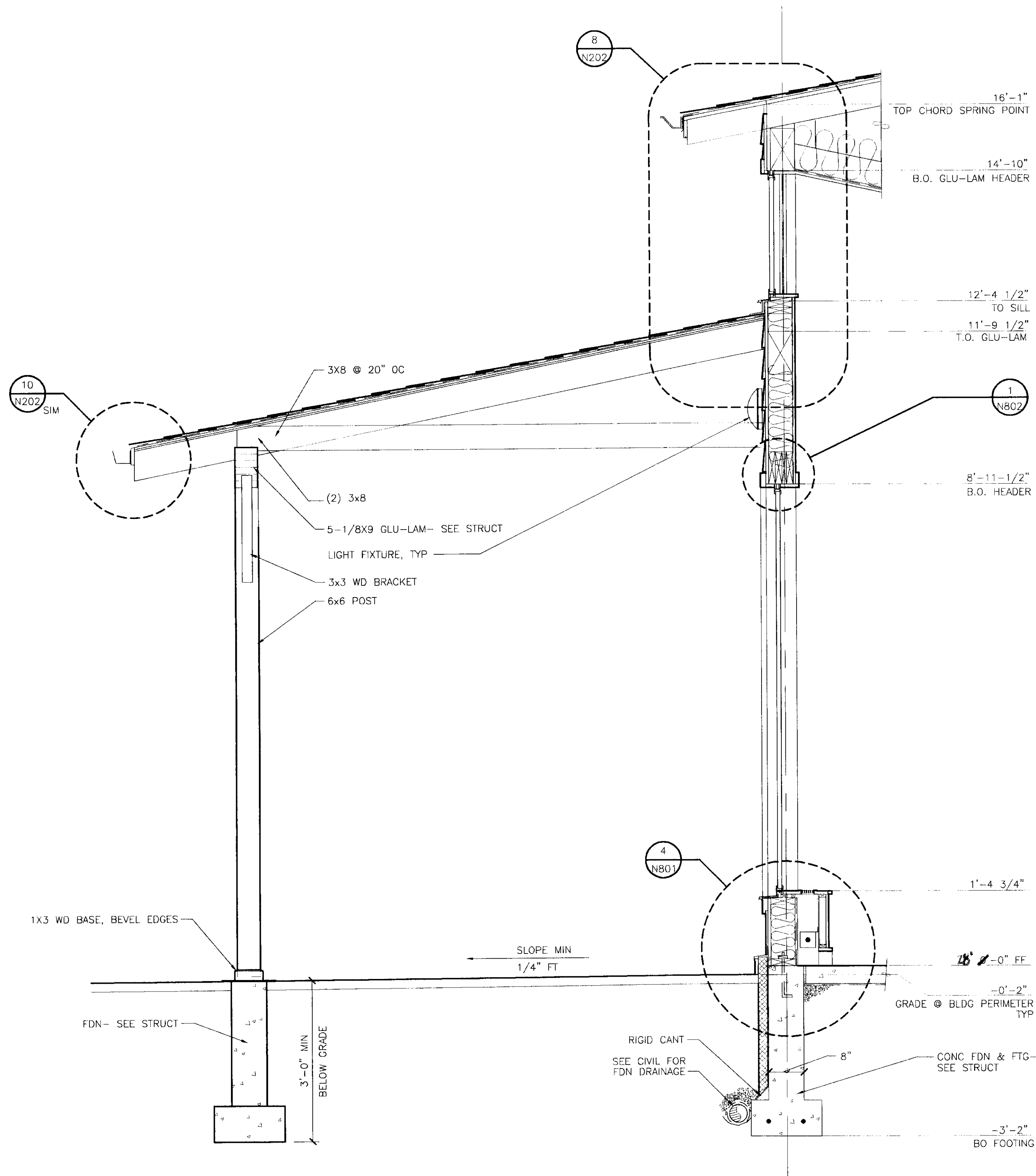
ALASKA

DESIGNED BY:	PROJECT NO. 71835
DRAWN BY:	DATE: January 20, 1999
CHECKED BY:	SHEET N601 OF

NOTE:
DO NOT SCALE FROM THESE
PLANS - USE DIMENSIONS
ENGINEER'S SEAL

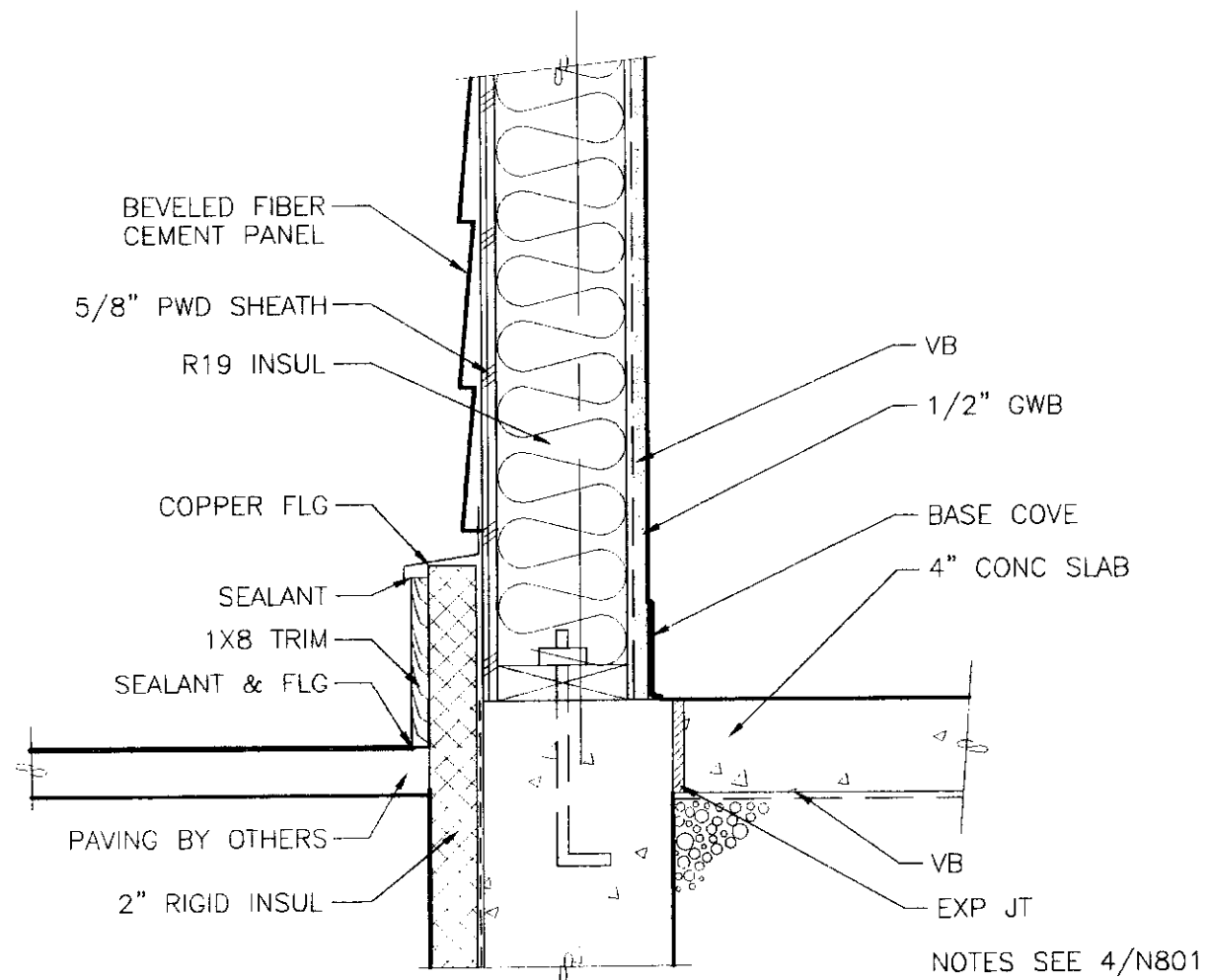


Jensen
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522 West 10th Street
Juneau, Alaska 99801
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fax 907-586-3959
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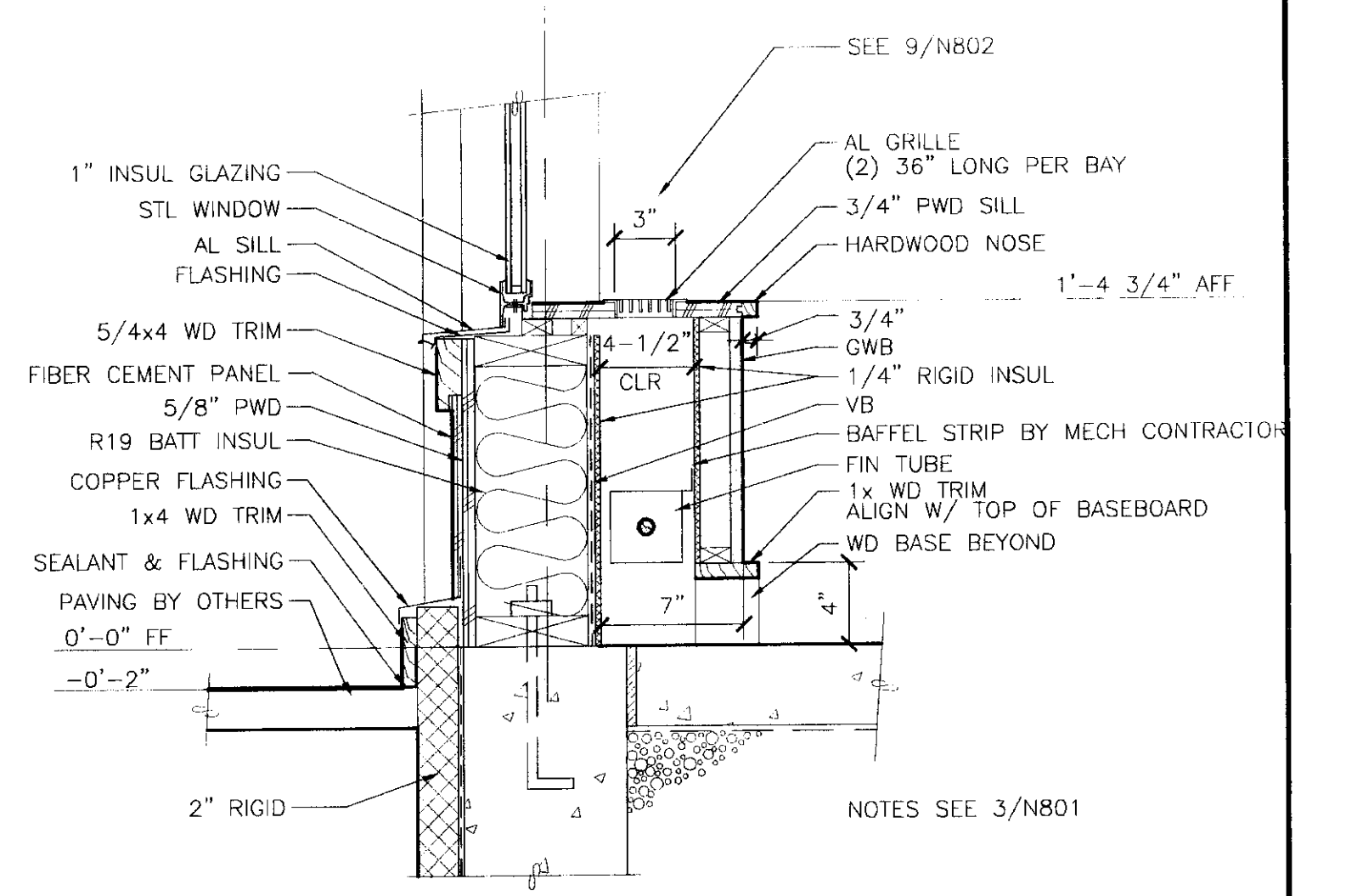
**WALL SECTION @ PORCH
& WINDOW WALL**

9828\N801-9 SCALE: 0 1' 2' 3'



3 TYP SILL @ GRADE

9828\N801-3 SCALE: 0 6" 1' 2'



4 WINDOW SILL

9828\N801-4 SCALE: 0 6" 1' 2'

DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
WALL SECTION & EXTERIOR DETAILS

ALASKA

DESIGNED BY:

DRAWN BY:

CHECKED BY:

PROJECT NO.
71835

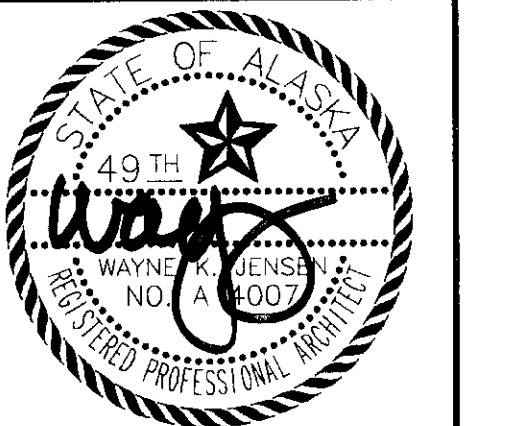
DATE:
January 20, 1999

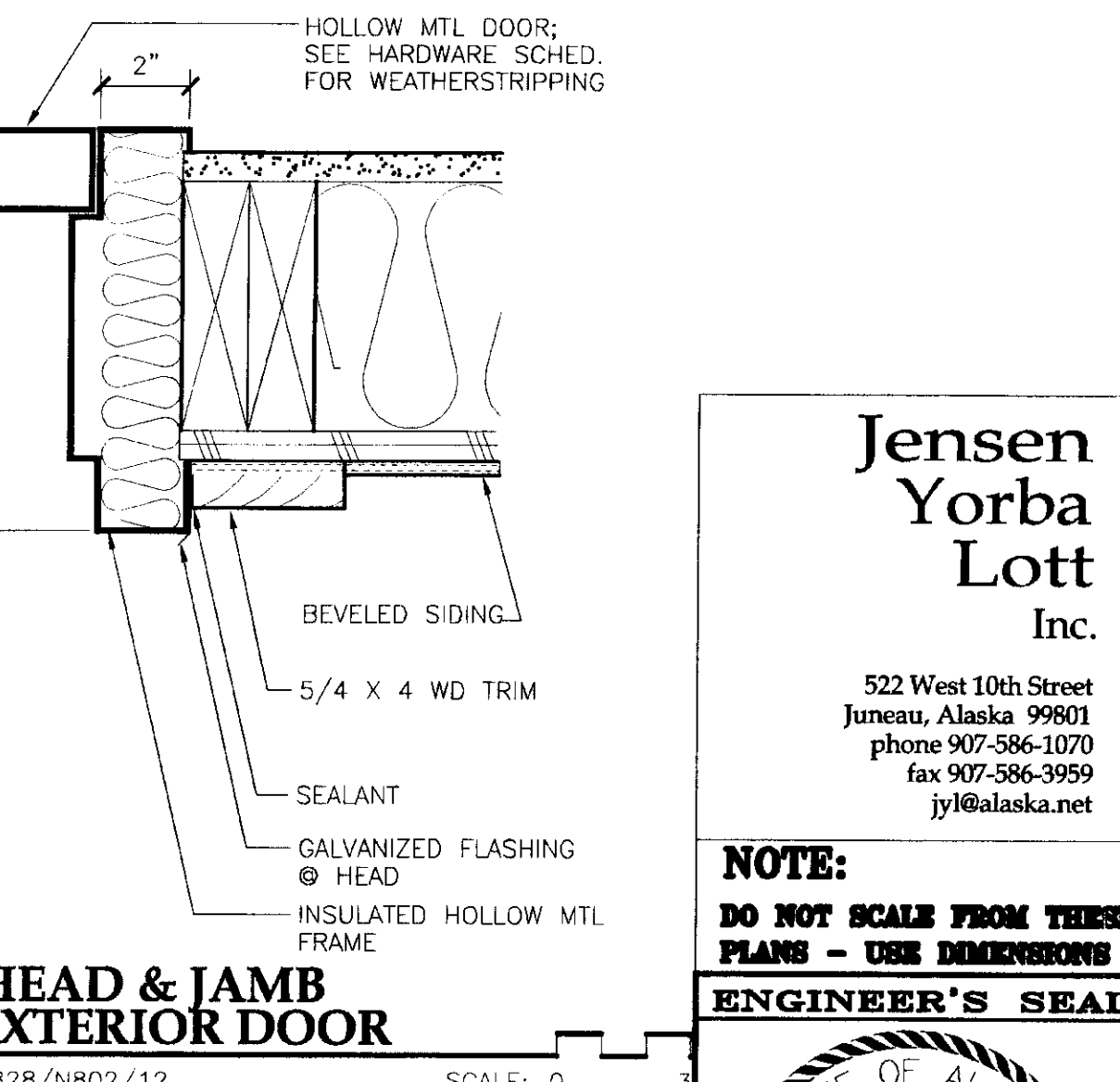
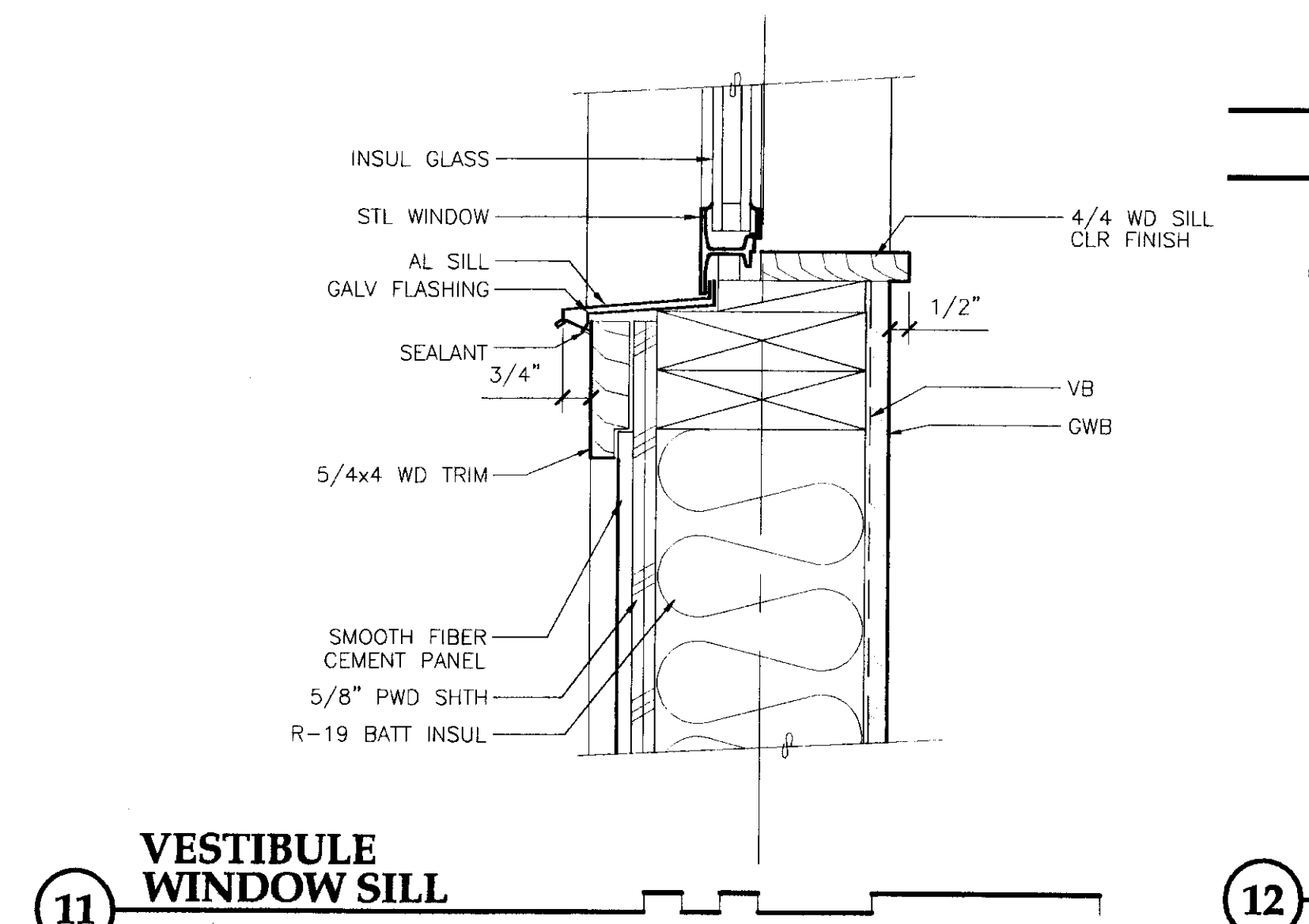
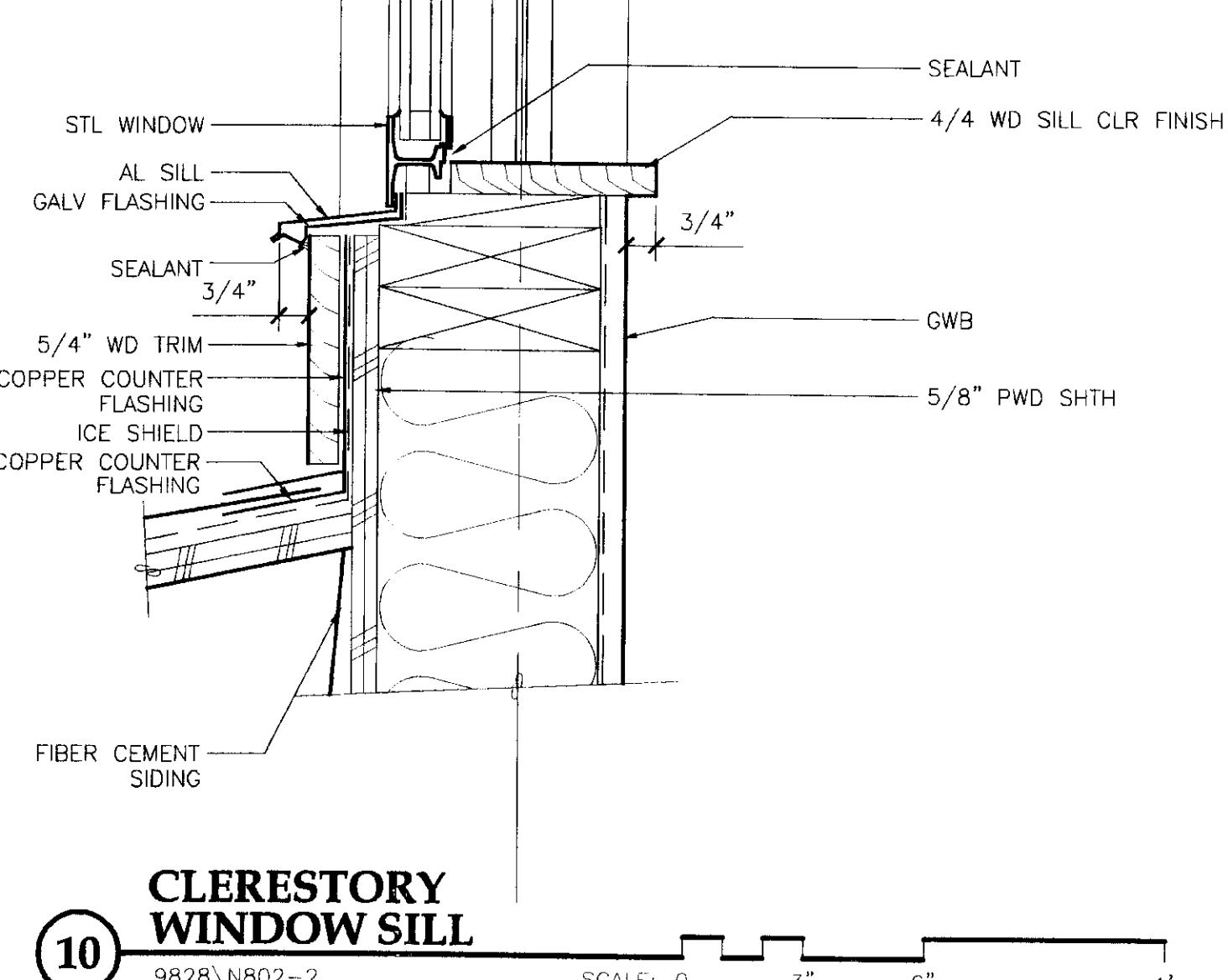
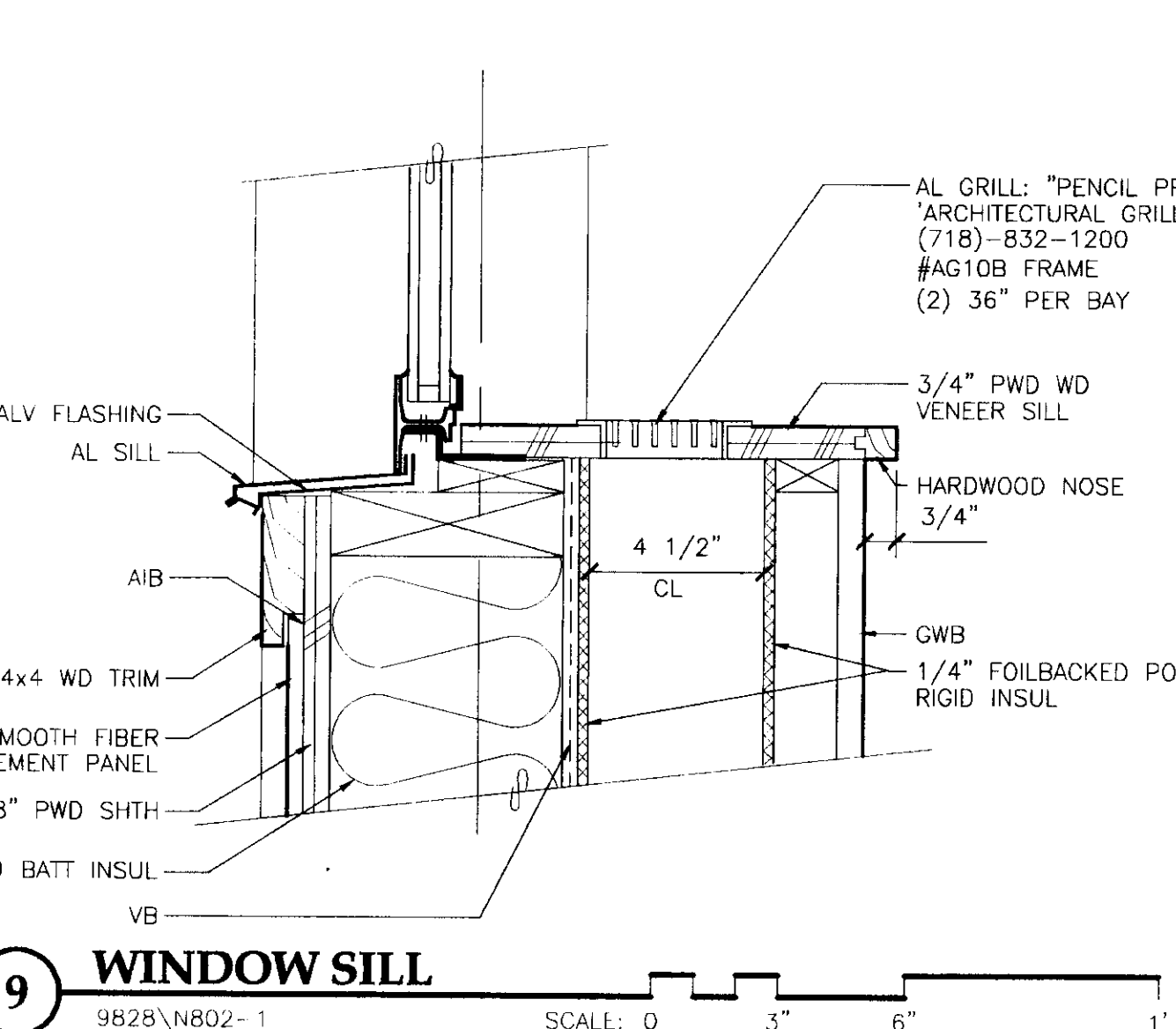
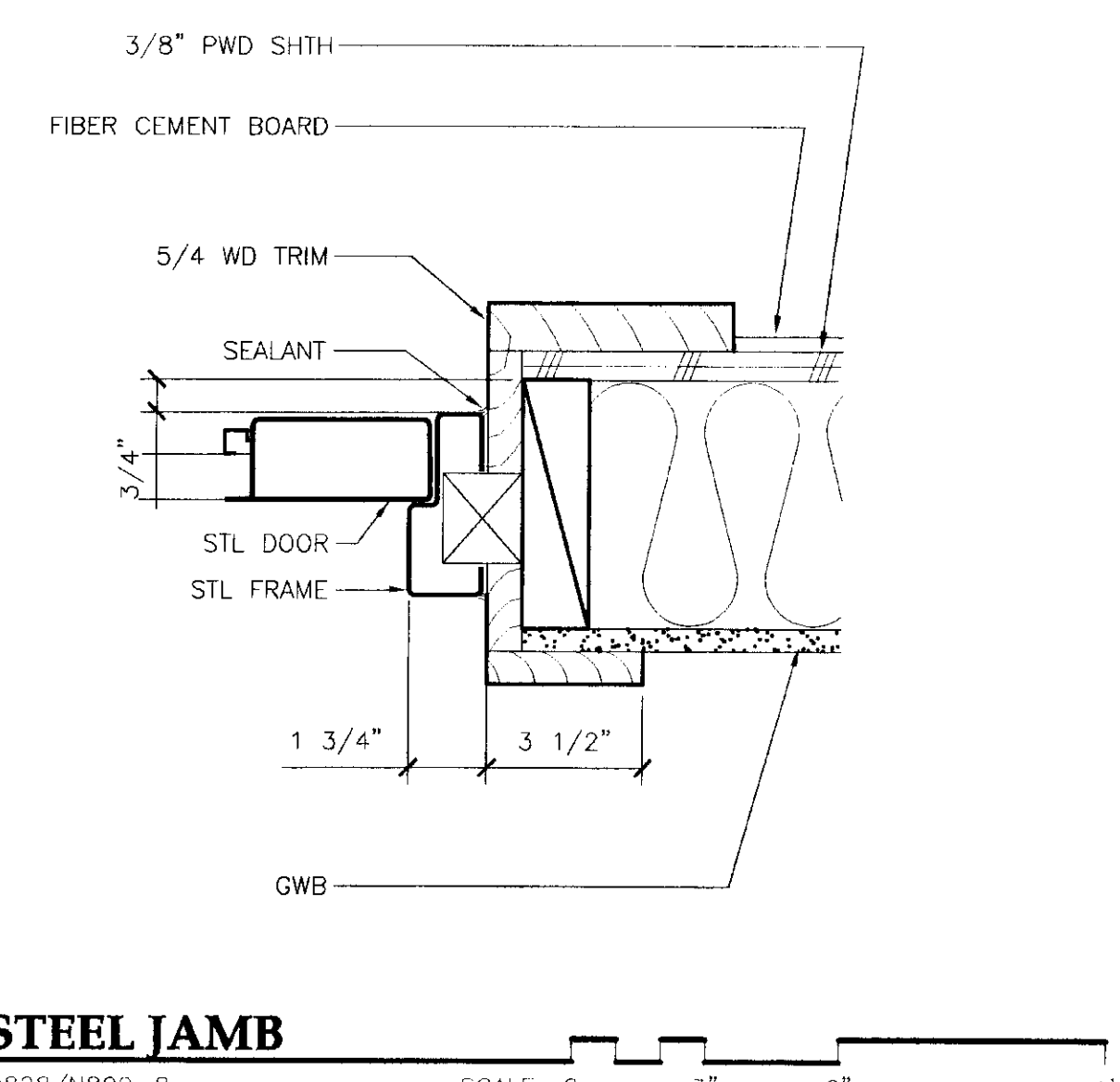
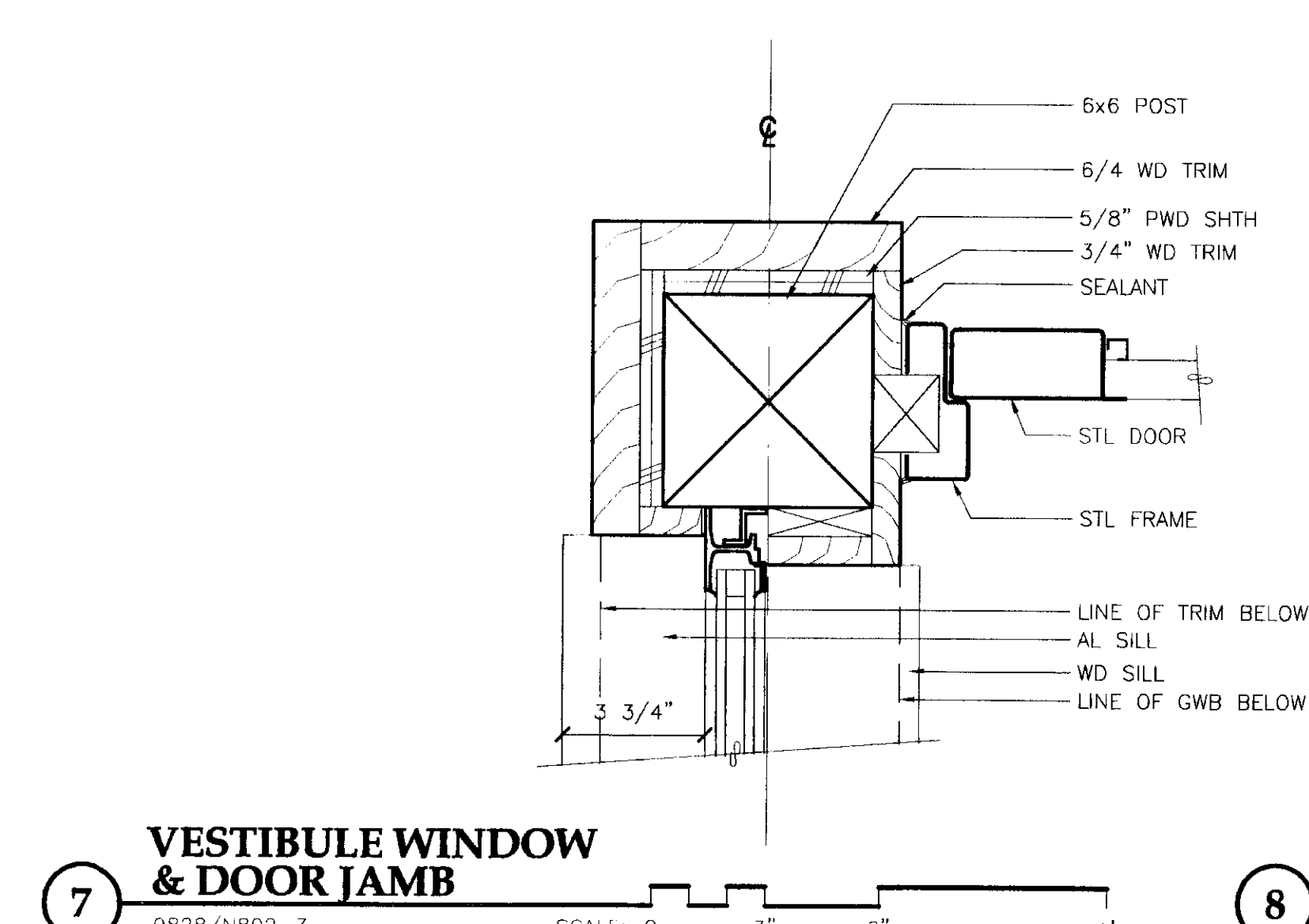
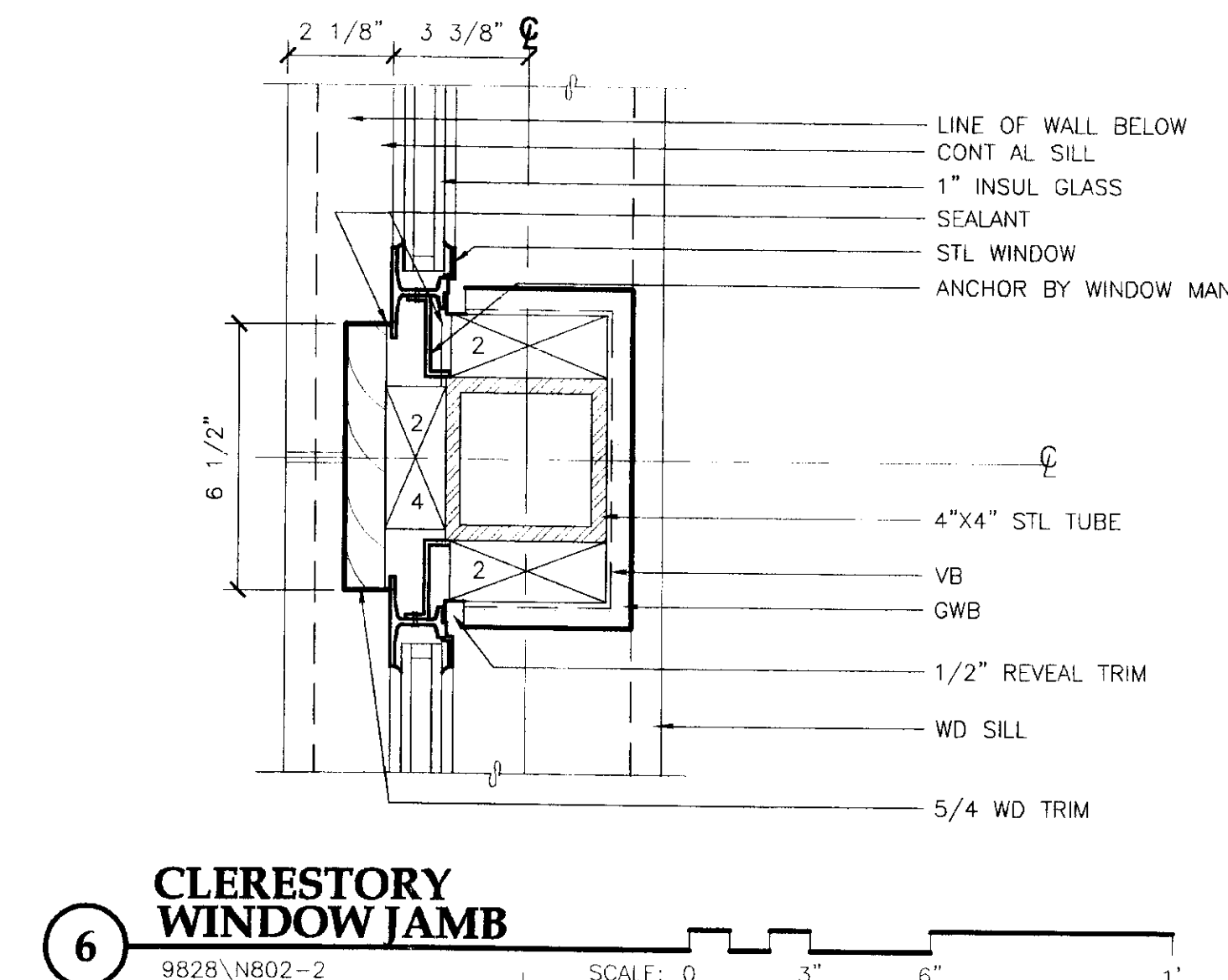
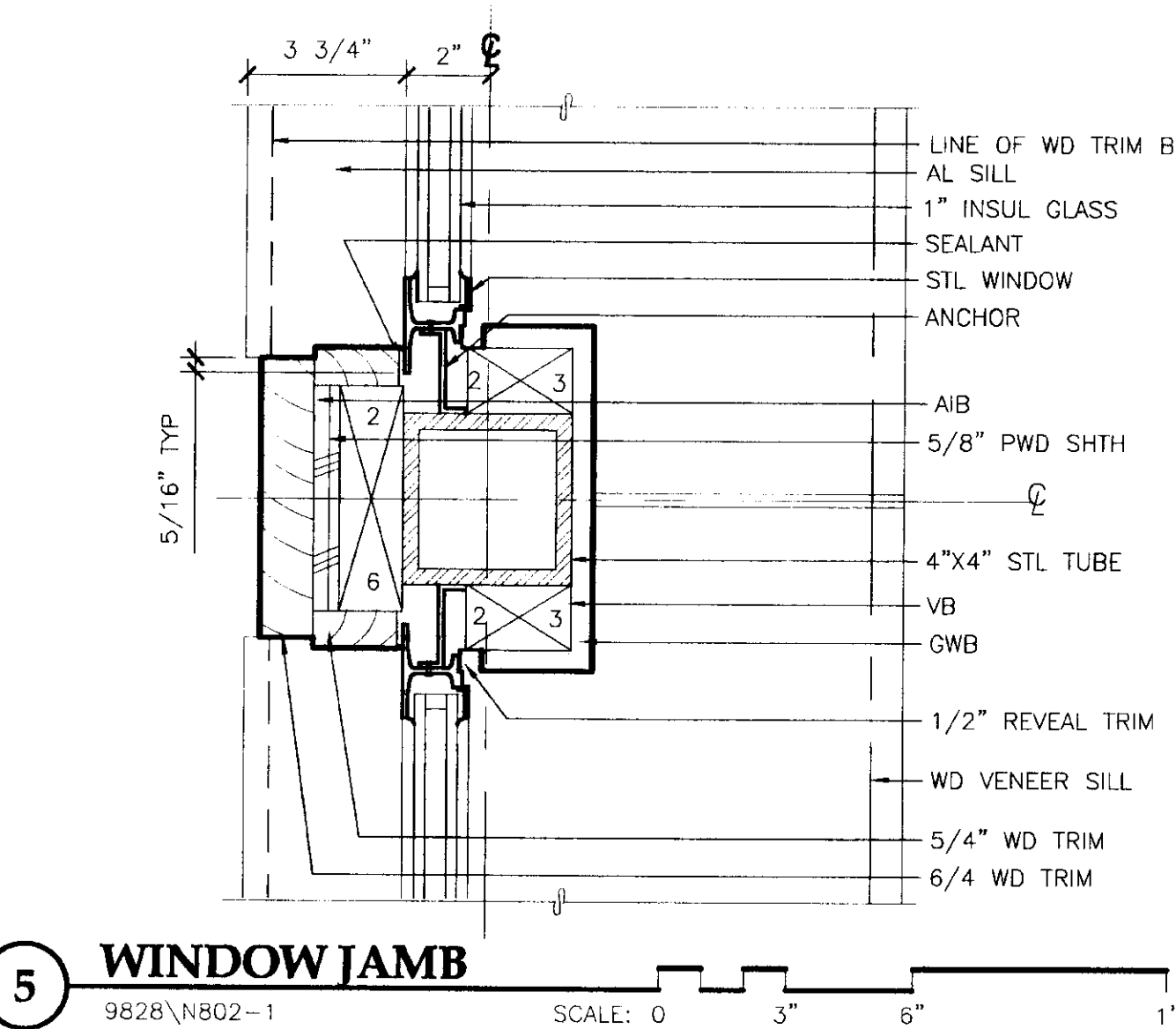
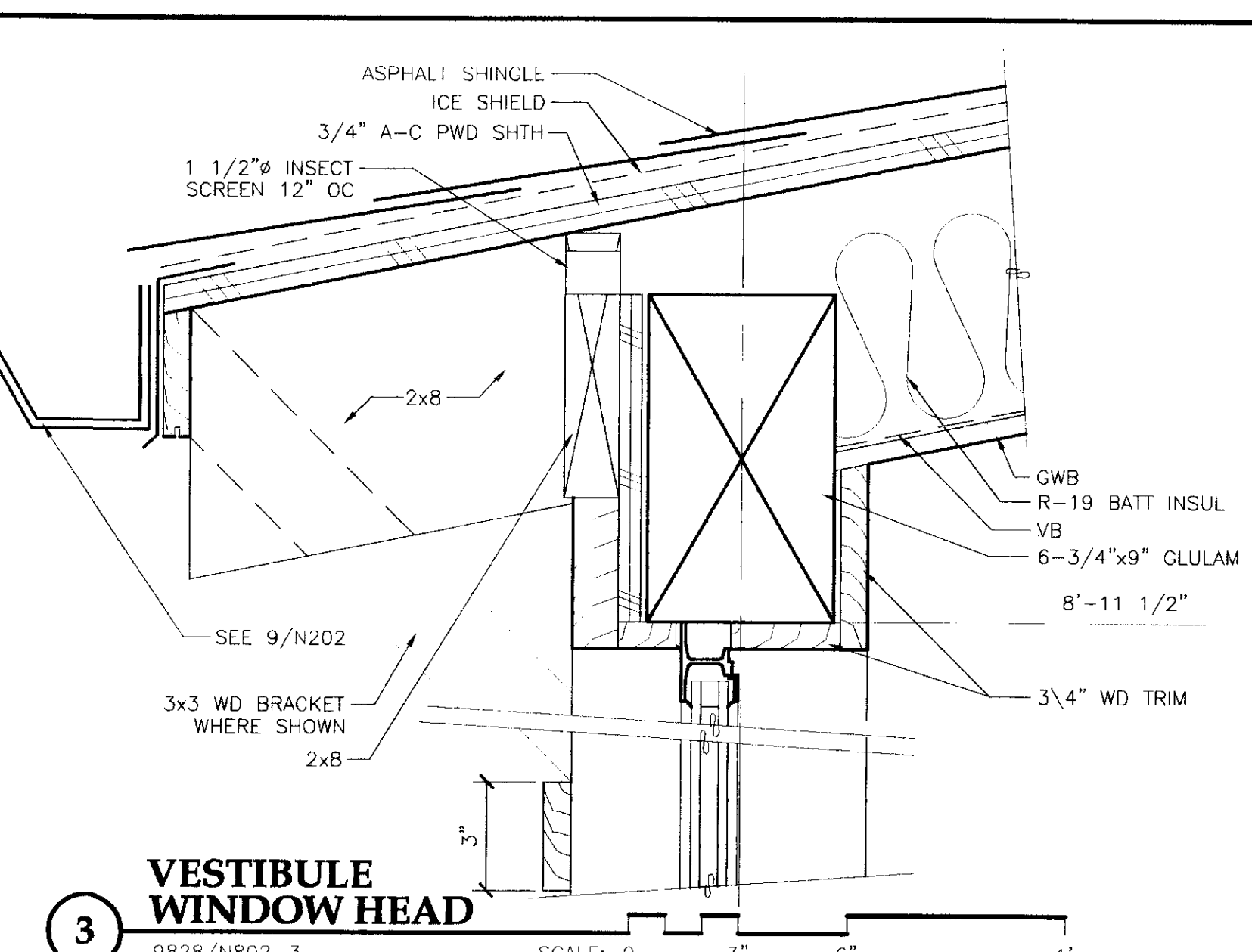
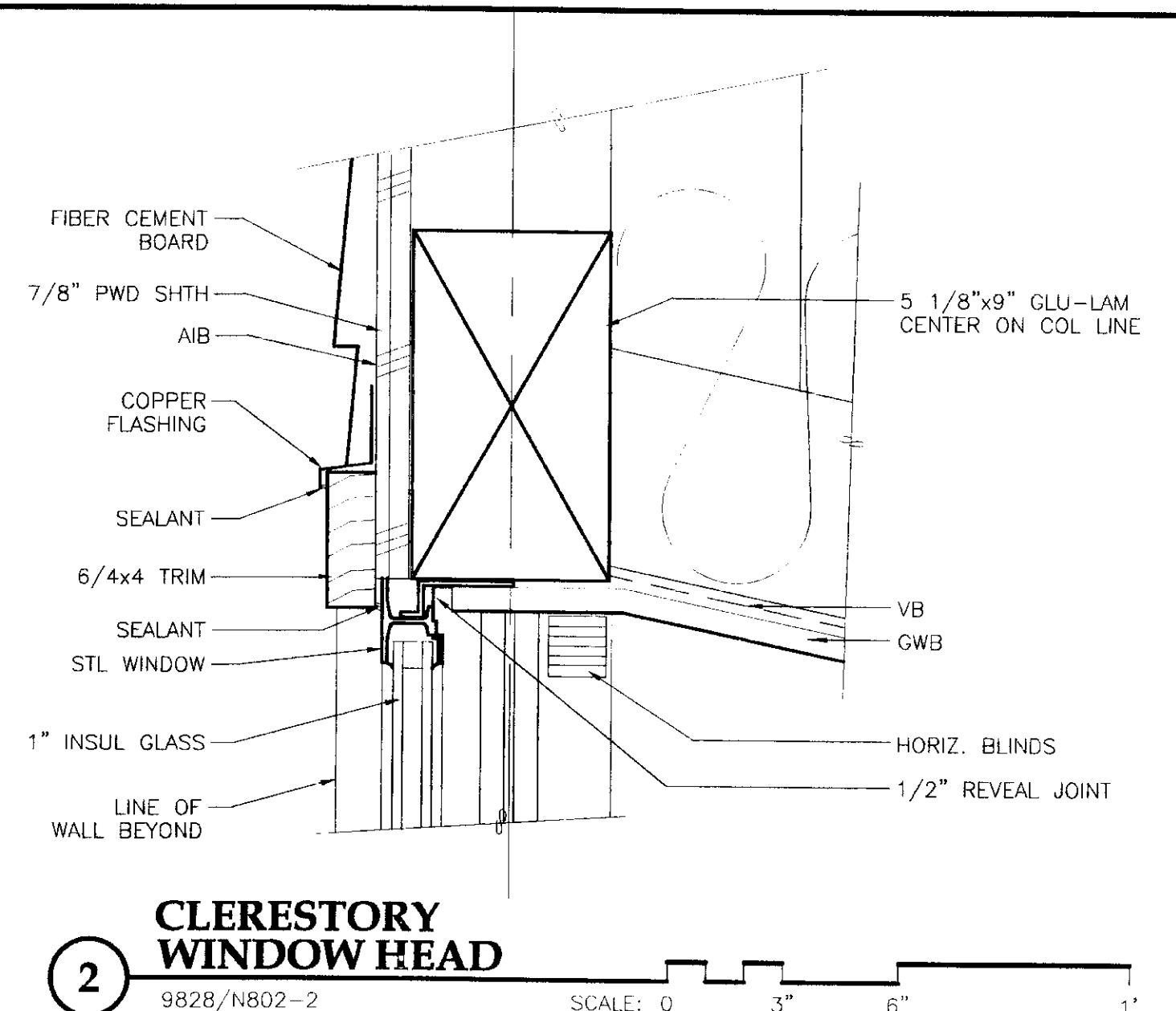
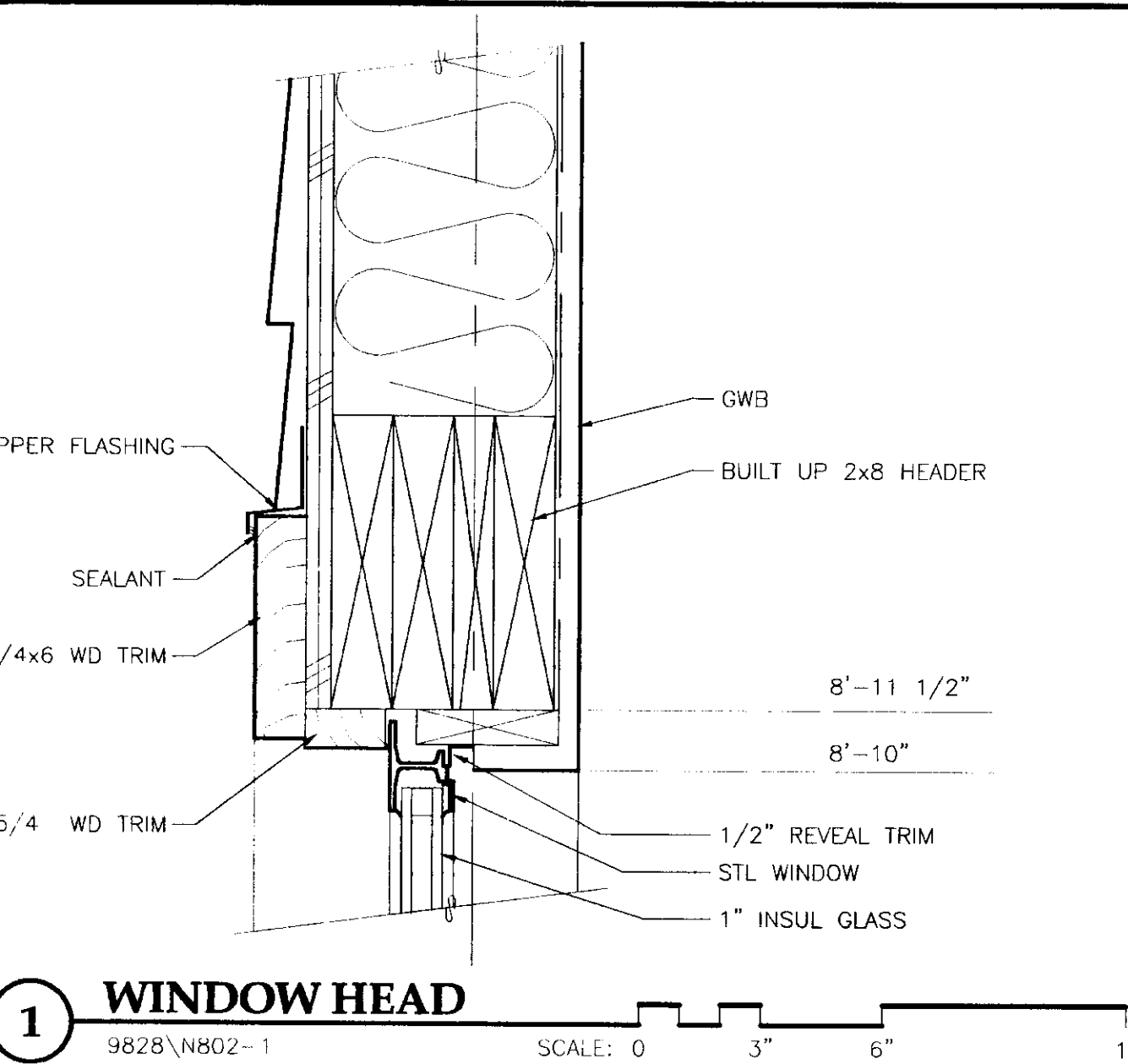
SHEET N801 OF

Jensen
Yorba
Lott
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522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jyl@alaska.net

NOTE:
DO NOT SCALE FROM THESE
PLANS - USE DIMENSIONS

ENGINEER'S SEAL





DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

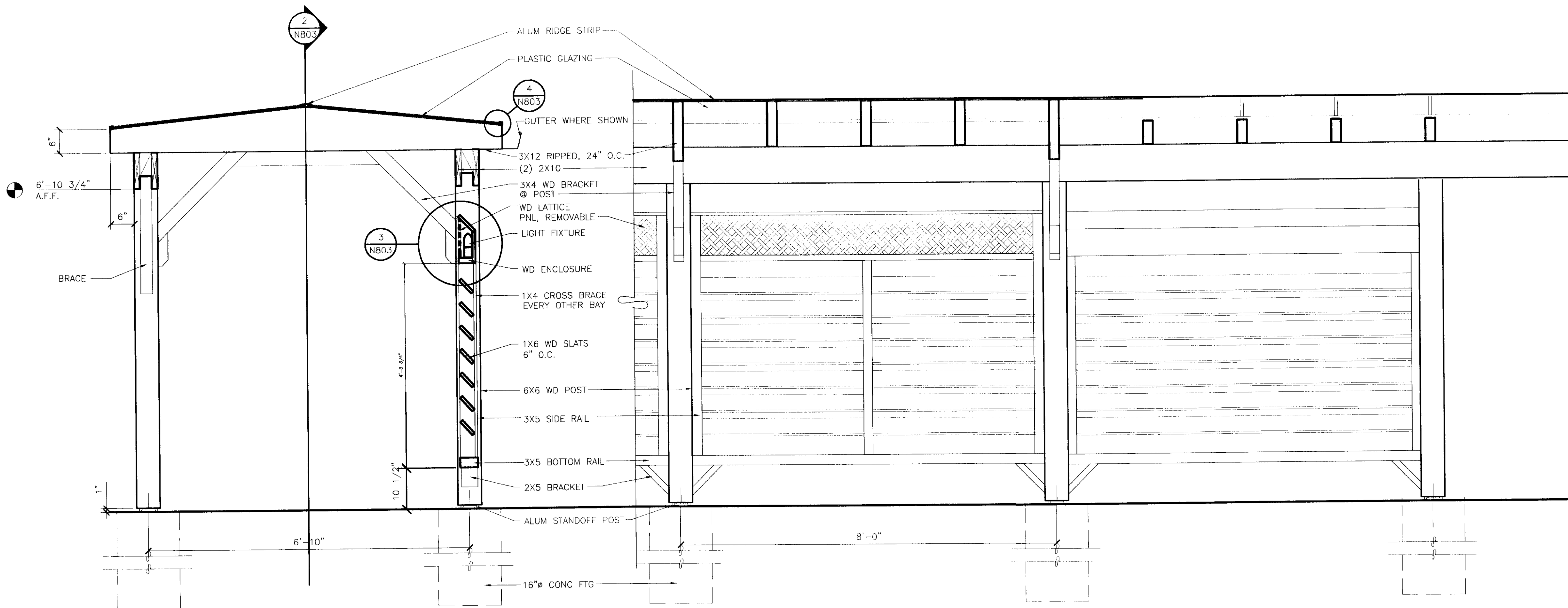
SKAGWAY
SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
WINDOW DETAILS
ALASKA

DESIGNED BY:	PROJECT NO. 71835
DRAWN BY:	DATE: January 30, 1999
CHECKED BY:	SHEET N802 OF

Jensen Yorba Lott Inc.
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jyl@alaska.net

NOTE:
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ENGINEER'S SEAL

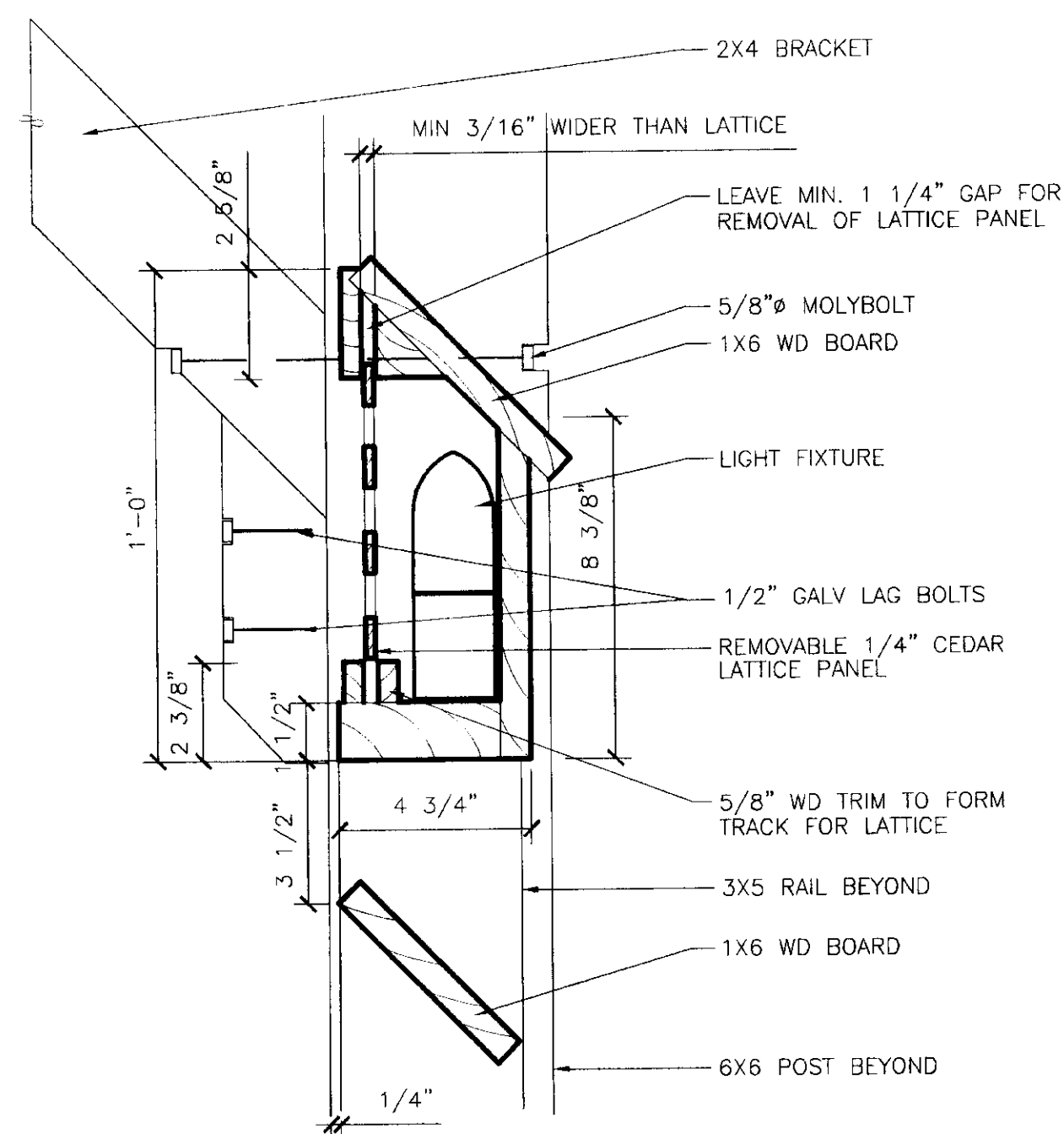


1 WALKWAY SECTION
9828/N803-1

SCALE: 0 1' 2' 3'

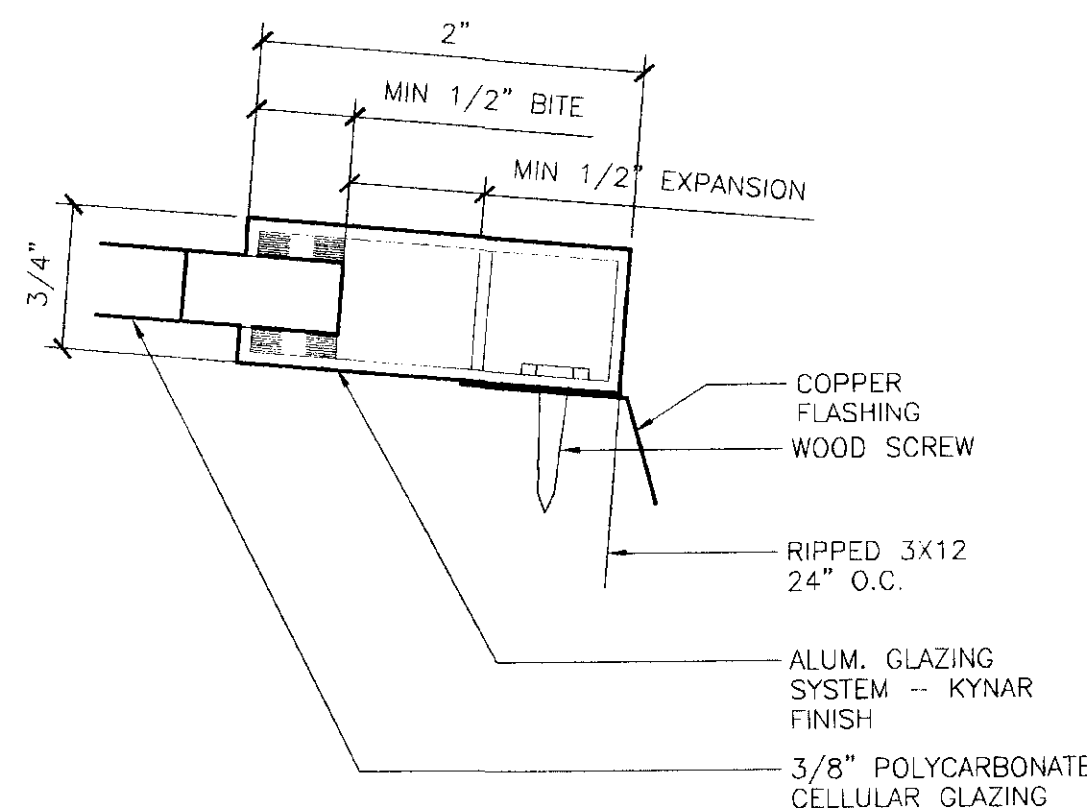
2 WALKWAY SECTION
9828/N803-1

SCALE: 0 1' 2' 3'



3 LIGHT ENCLOSURE
9828/803-3

SCALE: 0 3\"/>



4 SECTION @ ALUMINUM FRAME
9828/N803-4

SCALE: 0 1\"/>

PATH: .N803.DWG		01/21/99 00:07 pm
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
WALKWAY & EXTERIOR DETAILS

ALASKA

DESIGNED BY:	PROJECT NO. 71835
DRAWN BY:	DATE: January 20, 1999
CHECKED BY:	SHEET N803 OF

Jensen Yorba Lott Inc.
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jyl@alaska.net

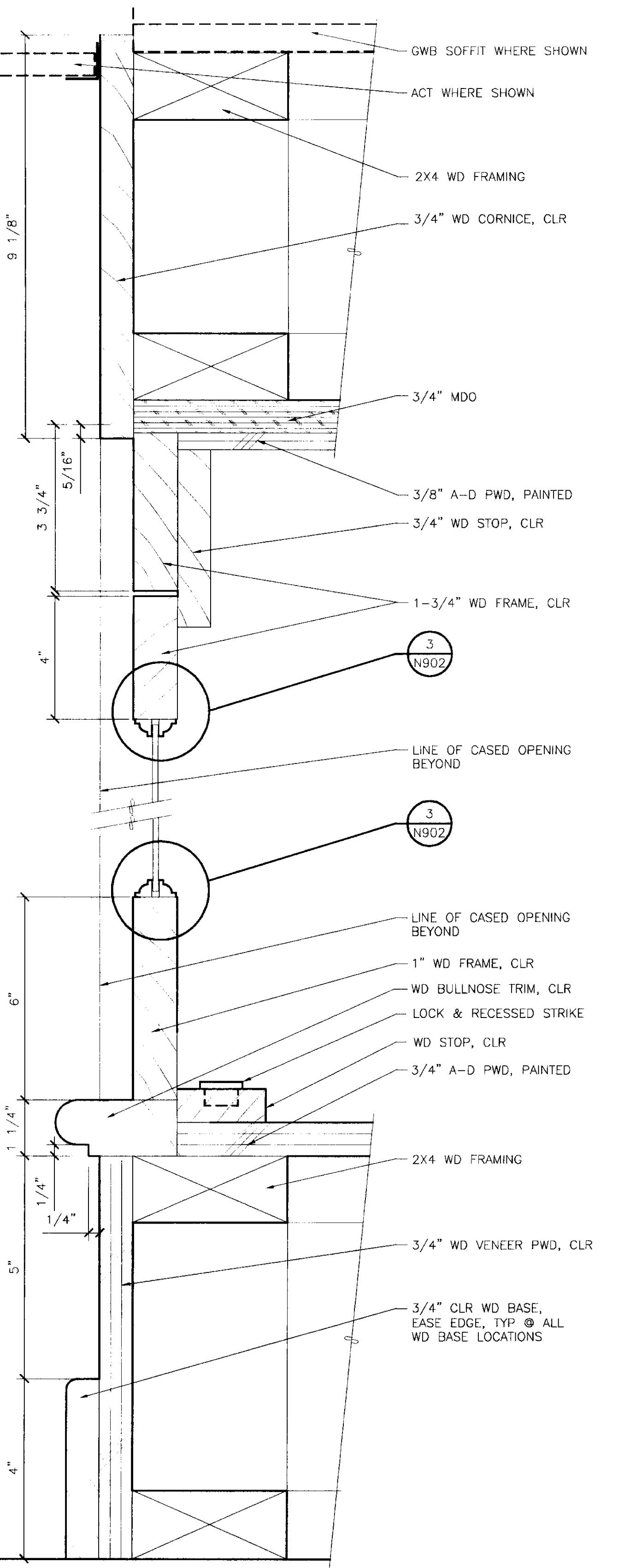
NOTE:
DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

ENGINEER'S SEAL

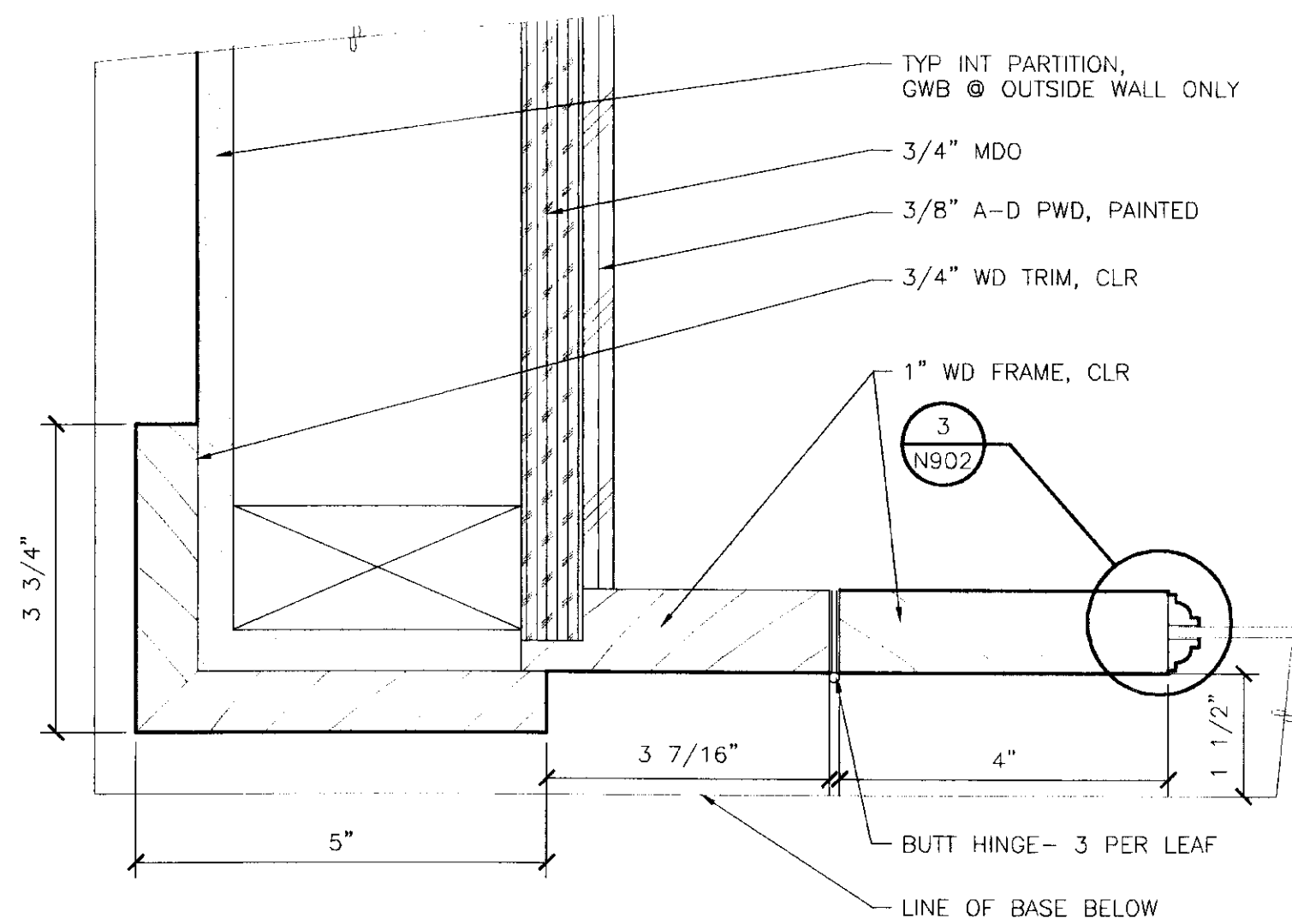
STATE OF ALASKA
49TH
WAYNE K. JENSEN
NO. 4007
REGISTERED PROFESSIONAL ARCHITECT



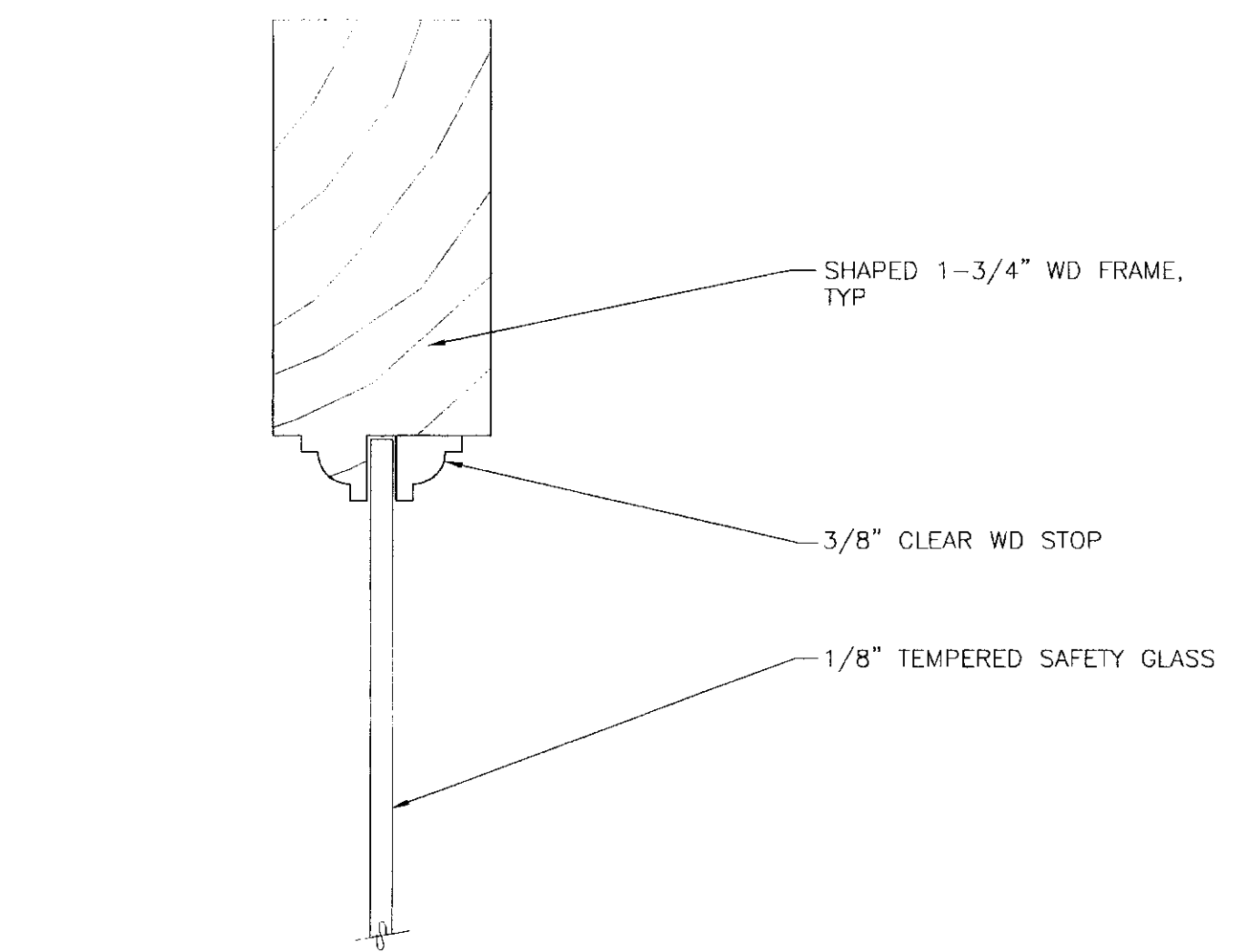
SHEET N901 OF



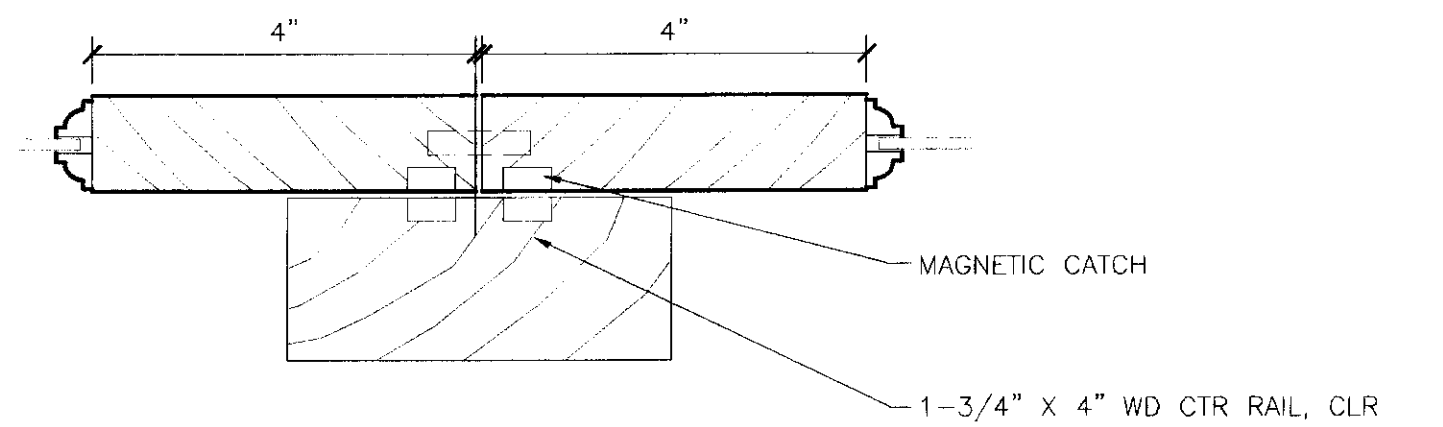
9 DISPLAY CASE BASE
9828/A902-9 SCALE: 0 1" 2"



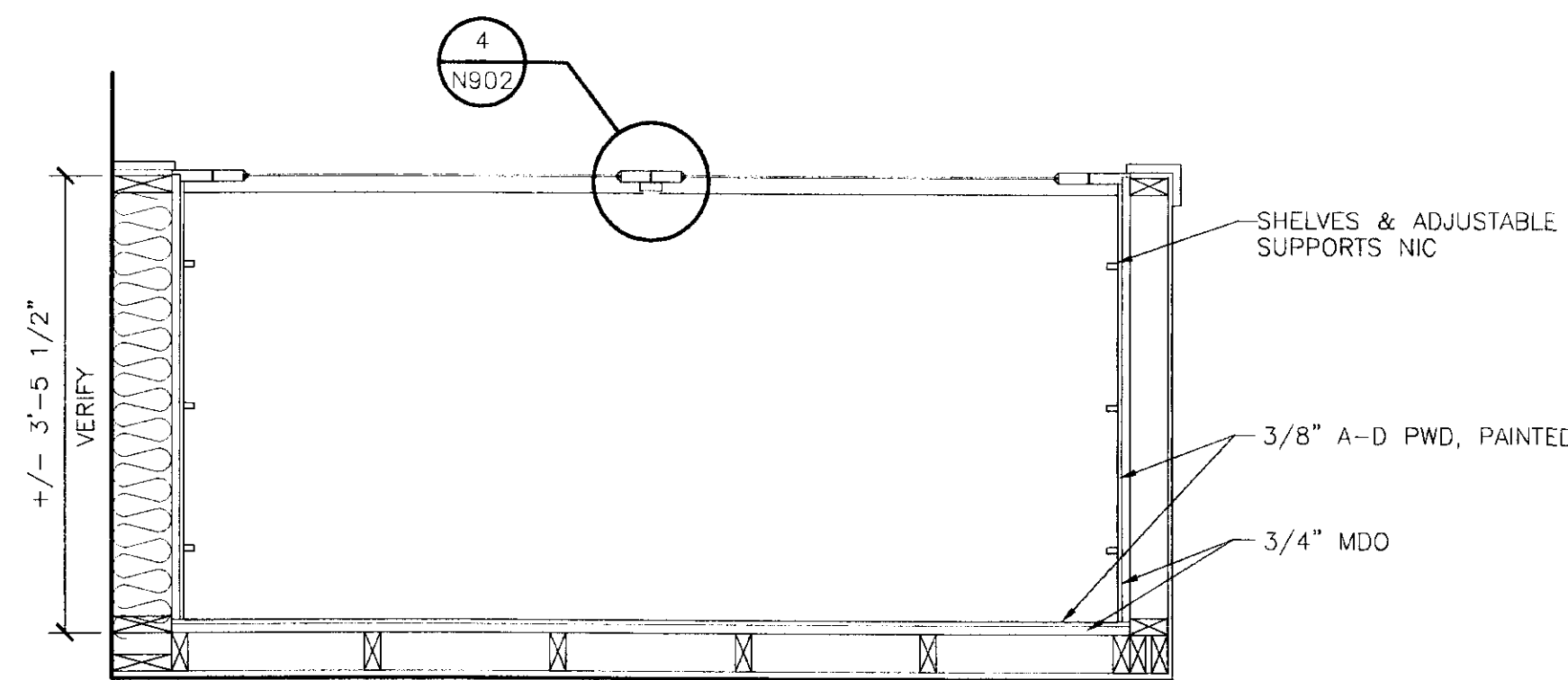
2 DISPLAY CASE JAMB
9828/A902-2 SCALE: 0 1" 2"



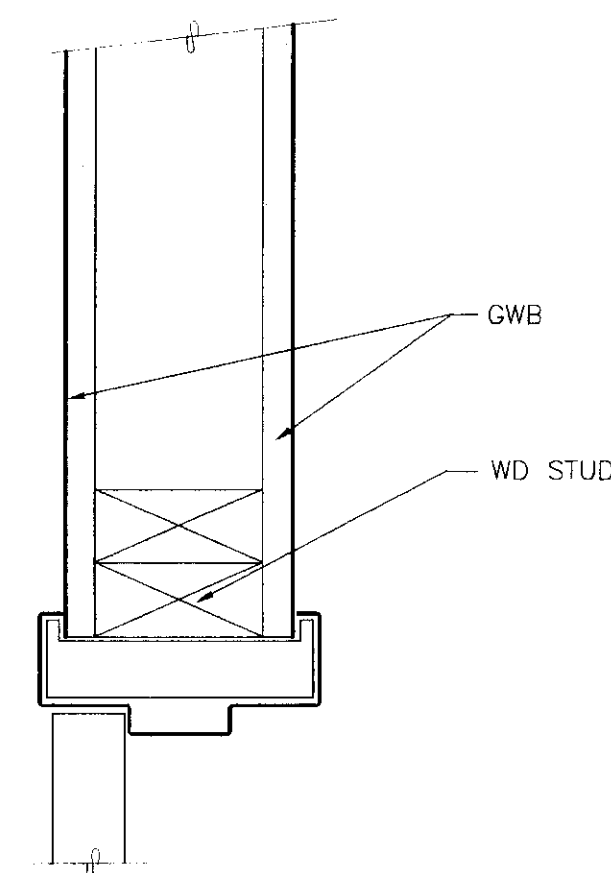
3 TYP GLASS STOP
9828/A902-3 SCALE: 0 1" 2"



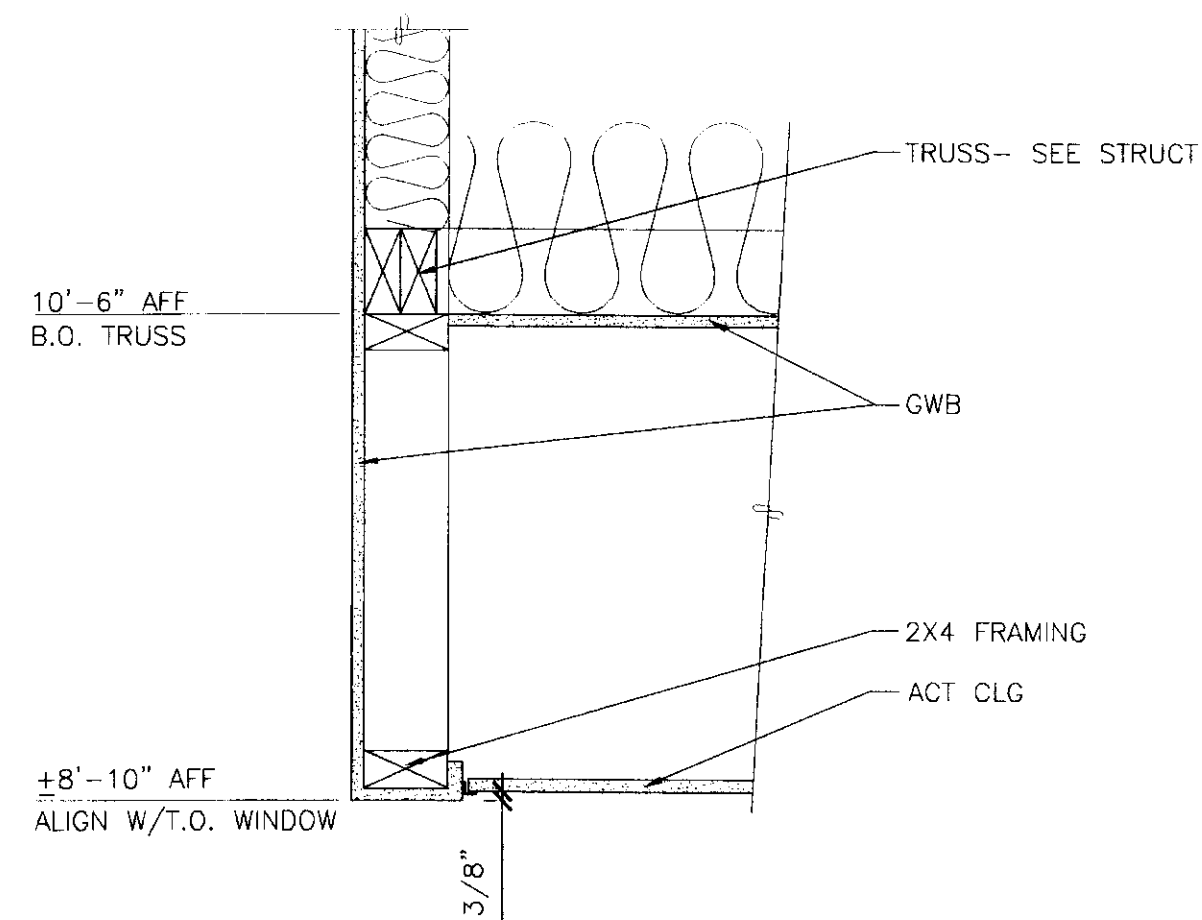
4 DISPLAY CASE
9828/A902-4 SCALE: 0 1" 2"



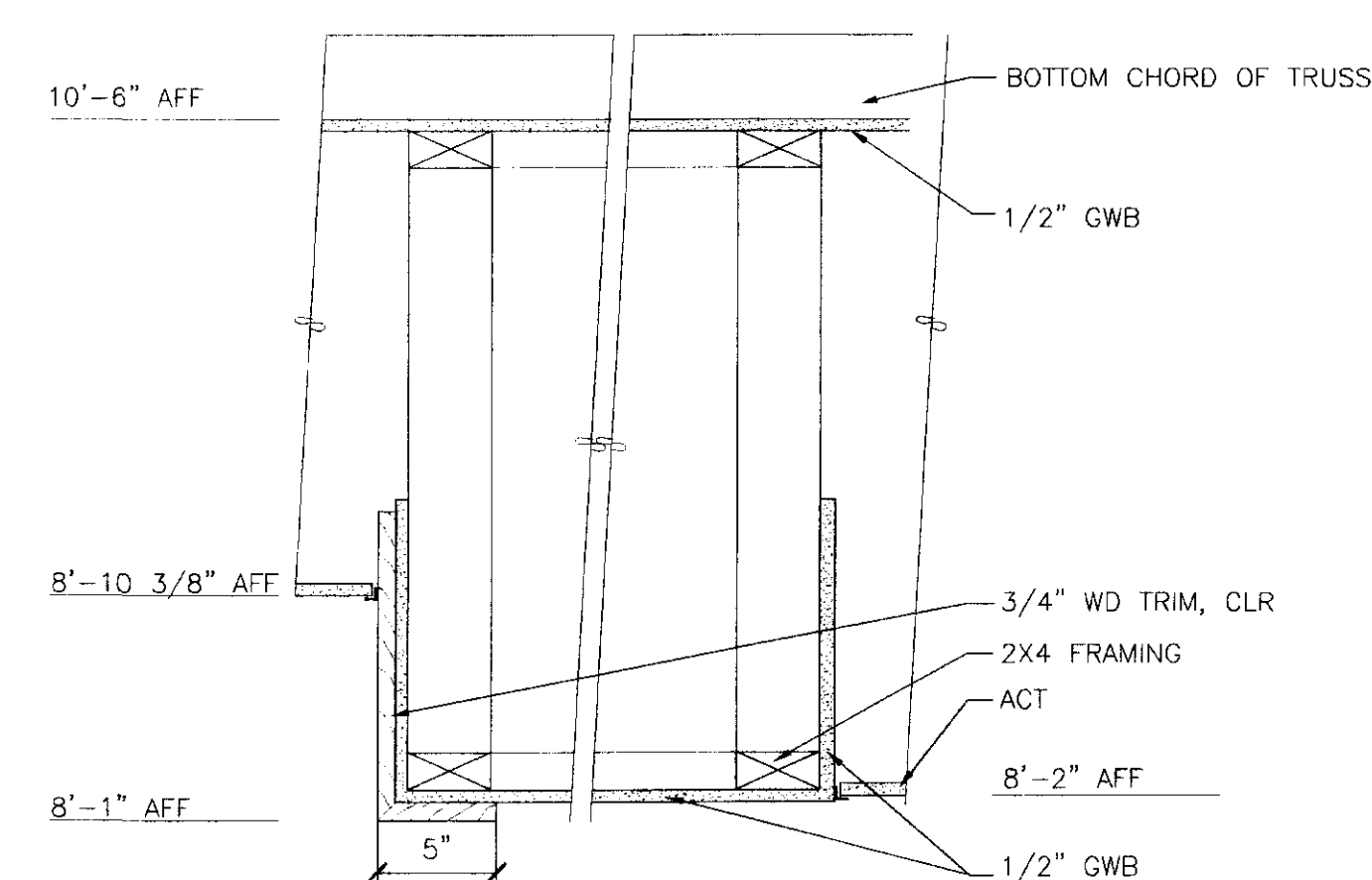
5 PLAN @ DISPLAY CASE
9828/N902-5 SCALE: 0 1' 2' 3'



6 INTERIOR DOOR DETAIL
9828/N902-6 SCALE: 0 3" 6"



10 SECTION @ SOFFIT
9828/N902-10 SCALE: 0 6" 1" 2"



11 SECTION
9828/N902-11 SCALE: 0 6" 1" 2"

REVISION	DATE	DESCRIPTION OF CHANGE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY ALASKA
SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
DISPLAY CASE & INTERIOR DETAILS

DESIGNED BY:	PROJECT NO. 71835
DRAWN BY:	DATE: January 20, 1999
CHECKED BY:	SHEET N902 OF

Jensen Yorba Lott Inc.
522 West 10th Street
Juneau, Alaska 99801
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jyl@alaska.net

NOTE:
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ENGINEER'S SEAL

STATE OF ALASKA
49th
WAYNE A. JENSEN
REGISTERED PROFESSIONAL ARCHITECT

ABBREVIATIONS

AB	ANCHOR BOLT
ADDL	ADDITIONAL
ALT	ALTERNATE
APPROX	APPROXIMATE (LY)
ARCH	ARCHITECT (URAL)
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BN	BOUNDARY NAIL
BOF	BOTTOM OF FOOTING
BRG	BEARING
BTM	BOTTOM
BTWN	BETWEEN
CL	CENTERLINE
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CTR	CENTER
d	PENNY
DBL	DOUBLE
DEPT	DEPARTMENT
DIA OR Ø	DIAMETER
DIAPH	DIAPHRAGM
DIM	DIMENSION
DP	DEEP
EA	EACH
EF	EACH FACE
EL	ELEVATION (HEIGHT)
EN	EDGE NAIL
ENGR	ENGINEER
EQ	EQUAL
EW	EACH WAY
EXIST OR (E)	EXISTING
EXT	EXTERIOR
FDN	FOUNDATION
FT	FINISH FLOOR
FN	FIELD NAIL
FOC	FACE OF CONCRETE
FOS	FACE OF STUD
FRMG	FRAMING
FT OR	FOOT (FEET)
FTG	FOOTING
GLB	GLUED LAMINATED BEAM
GR	GRADE
GYP	GYPSONUM
HD	HOLDOWN
HDR OR H	HEADER
HGR	HANGER
HORIZ	HORIZONTAL
HT	HEIGHT
JST	JOIST
JT	JOINT
LB OR #	POUND(S)
LDGR	LEDGER
LF	LINEAR FOOT (FEET)
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
NIC	NOT IN CONTRACT
NO. OR #	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
ORIG	ORIGINAL
PERP OR ⊥	PERPENDICULAR
℔	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
R	RADIUS
REF	REFERENCE
REINF	REINFORCING
REQD	REQUIRED
SCH	SCHEDULE
SF	SQUARE FEET (FOOT)
SHTG	SHEATHING
SIM	SIMILIAR
SN	SHEAR NAIL
SPEC(S)	SPECIFICATION(S)
SO	SQUARE
STD	STANDARD
STGR	STAGGER
STL	STEEL
STRUC	STRUCTURAL
T&B	TOP AND BOTTOM
TEMP	TEMPORARY OR TEMPERATURE
T&G	TONGUE AND GROOVE
THK	THICKNESS/THICK
THR	THREADED
THRU	THROUGH
TN	TOE NAIL
TOW	TOP OF WALL
TS	STRUCTURAL TUBE STEEL
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UNOT	UNLESS OTHERWISE NOTED
V OR VERT	VERTICAL
WD	WOOD

DESIGN CRITERIA

ROOF SNOW LOAD: 60 PSF, PER UBC CHAPTER 16, DIVISION 1.
FLOOR LIVE LOAD: 100 PSF
WIND: 100 MPH, EXPOSURE C
SEISMIC: ZONE 2B WITH Z = 0.2, I = 1.0, SOIL PROFILE= Sd, Ca = 0.28, AND Rw = 5.5
UNIFORM BUILDING CODE: 1997 EDITION

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. THE ARCHITECT/ENGINEER SHALL IMMEDIATELY BE NOTIFIED IN WRITING OF ANY DISCREPANCIES.
- ALL OMISSIONS AND/OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF, AND A SOLUTION GIVEN BY, THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
- IN CASE OF CONFLICT, NOTES AND DETAILS OF THESE STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE "GENERAL NOTES" AND/OR "STANDARD DETAILS."
- IF A SPECIFIC DETAIL IS NOT SHOWN FOR ANY PART OF THE WORK, THE CONSTRUCTION SHALL BE THE SAME AS FOR SIMILAR WORK.
- WORKING DIMENSIONS SHALL NOT BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON THESE STRUCTURAL DRAWINGS.
- ALL CONSTRUCTION SHALL BE DONE WITH MATERIALS, METHODS, AND WORKMANSHIP ACCEPTED AS GOOD PRACTICE BY THE CONSTRUCTION INDUSTRY IN CONFORMANCE TO THE PROVISIONS OF THE 1994 EDITION OF THE "UNIFORM BUILDING CODE" (UBC), AND STANDARDS REFERENCED THEREIN.
- PIPES, DUCTS, SLEEVES, OPENINGS, POCKETS, CHASES, BLOCK-OUTS, ETC., SHALL NOT BE PLACED IN SLABS, FOUNDATIONS, ETC., NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR SUCH ITEMS, UNLESS SPECIFICALLY DETAILED ON THESE STRUCTURAL DRAWINGS.
- IN AREAS TO BE EXCAVATED, THE CONTRACTOR SHALL DETERMINE THE LOCATIONS OF EXISTING UTILITY SERVICES PRIOR TO EXCAVATION.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- SHOP DRAWINGS:
 - SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
 - SHOP DRAWINGS SHALL BE COMPLETE, CHECKED, AND APPROVED BY THE GENERAL CONTRACTOR BEFORE SUBMITTING TO THE ENGINEER FOR REVIEW. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND COORDINATION OF DIMENSIONS AND DETAILS FOR SUB-CONTRACTORS. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF THERE ARE ANY DISCREPANCIES IN THE DIMENSIONS OR DETAILS.
 - SHOP DRAWINGS ARE REQUIRED FOR THE FOLLOWING ITEMS:
 - REINFORCING STEEL
 - CONCRETE MIX DESIGN
 - STRUCTURAL STEEL
 - PRE-FABRICATED WOOD TRUSSES
 - GLUE-LAMINATED TIMBERS
- SPECIAL INSPECTION:
 - SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING TYPES OF WORK IN CONFORMANCE WITH UBC SECTION 1701: CONCRETE
 - REINFORCING STEEL
 - ANCHOR BOLTS
 - HOLDOWNS
 - HIGH STRENGTH BOLTS
 - THE SPECIAL INSPECTOR SHALL BE UNDER THE SUPERVISION OF A CIVIL ENGINEER REGISTERED IN ALASKA WHO SHALL SIGN THE REPORTS REQUIRED IN UBC SECTION 1701.3.

FOUNDATION

- SOIL DESIGN INFORMATION:

D.O.T./P.F. IS CONSTRUCTING AN ENGINEERED FILL ON SITE PRIOR TO BUILDING CONSTRUCTION.

 - SEE SOILS REPORT BY: R&M ENGINEERING, INC.
 - DESIGN SOIL PRESSURE: 3,000 PSF WITH 1/3 INCREASES FOR WIND AND SEISMIC LOADING.
 - BOTTOM OF FOOTINGS SHALL BE AT LEAST 36" BELOW LOWEST ADJACENT EXTERIOR FINISH GRADE.
- PRIOR TO EXCAVATING FOR FOUNDATIONS, D.O.T./P.F. SHALL VERIFY, IN WRITING TO THE ENGINEER, THAT SITE PREPARATION COMPLIES WITH AND PROVIDES THE DESIGN SOIL PRESSURE.
- ALL SOIL COMPACTION AND SITE PREPARATION WORK SHALL BE DONE UNDER THE DIRECT OBSERVATION OF A REGISTERED ALASKAN CIVIL ENGINEER OR ENGINEERING GEOLOGIST PRACTICING IN THE STATE OF ALASKA.
- THE FINISH EXCAVATION FOR FOUNDATIONS SHALL BE NEAT AND TRUE TO LINE WITH ALL LOOSE MATERIAL AND STANDING WATER REMOVED BEFORE CONCRETE IS PLACED. PRIOR TO THE PLACEMENT OF ANY CONCRETE, THE EXCAVATIONS SHALL BE INSPECTED AND APPROVED, IN WRITING, BY A REGISTERED ALASKAN CIVIL ENGINEER OR ENGINEERING GEOLOGIST PRACTICING IN THE STATE OF ALASKA.
- A TESTING LAB SHALL SUBMIT COMPACTION REPORTS FOR ALL FILL TO THE ENGINEER PRIOR TO REQUESTING THE FOUNDATION INSPECTION NOTED IN NO. 4 ABOVE.
- ALL SOIL AND FILL DIRT UNDER FOOTINGS OR SLABS SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DENSITY.
- ALL LOOSE SOIL AND FILL DIRT, INCLUDING BACKFILL BEHIND RETAINING WALLS, SHALL BE COMPACTED TO AT LEAST 90% OF MAXIMUM DENSITY.
- BACKFILL FOR ALL FOUNDATION WALLS SHALL BE PERVIOUS MATERIAL AND SHALL NOT BE PLACED UNTIL CONCRETE RETAINING MEMBERS HAVE BEEN IN PLACE A MINIMUM OF 14 DAYS OR HAVE OBTAINED 75% OF THE DESIGN STRENGTH.
- PRIOR TO BACKFILLING, PROVIDE TEMPORARY SHORING FOR ALL WALLS RETAINING EARTH, UNLESS OTHERWISE NOTED.

REINFORCED CONCRETE

- REINFORCED CONCRETE SHALL CONFORM TO THE FOLLOWING;
 - THE MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE 3,000 PSI.
 - THE MAXIMUM SLUMP SHALL BE 4 INCHES.
 - THE MINIMUM CEMENT CONTENT SHALL BE SIX SACKS PER C.Y. OF CONC.
 - SLABS AND OTHER FLATWORK SHALL BE AIR ENTRAINED, HAVE A MAXIMUM SLUMP OF 3 INCHES AND A MAXIMUM WATER/CEMENT RATIO OF 0.35.
- PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
- AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33.
- CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS."
- ADMIXTURES MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER. ADMIXTURES SHALL COMPLY WITH ASTM A494. ADMIXTURES USED TO INCREASE THE WORKABILITY OF THE CONCRETE SHALL NOT BE CONSIDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED.
- READY-MIX CONC. SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C94.
- SLEEVES, PIPES, OR CONDUITS SHALL NOT BE PLACED THROUGH CONTINUOUS OR SPREAD FOOTINGS, GRADE BEAMS, OR TIE BEAMS.
- ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4 INCH, UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS, OR GROUNDS REQUIRED TO BE CAST IN THE CONCRETE AND FOR EXTENT OF DEPRESSIONS, CURBS, AND RAMPS.
- ALL VERTICAL SURFACES OF CONCRETE ABOVE FINISHED GRADE SHALL BE FORMED.
- CONSTRUCTION JOINTS SHALL BE ADEQUATELY KEYED. THEIR LOCATIONS AND DETAILS, WHEN NOT SHOWN ON THE PLANS, SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER.
- CONCRETE PLACEMENTS SHALL BE CONTINUOUS BETWEEN CONSTRUCTION JOINTS. CONSTRUCTION JOINTS SHALL BE ADEQUATELY KEYED. THEIR LOCATIONS AND DETAILS, WHEN NOT SHOWN ON THE PLANS, SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER.

REINFORCING STEEL

- BAR REINFORCEMENT SHALL CONFORM TO THE FOLLOWING GRADES OF ASTM A615, INCLUDING SUPPLEMENT S1: #3: GRADE 40, #4 AND LARGER: GRADE 60.
- DETAILS OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH CHAPTER 7 OF THE AMERICAN CONCRETE INSTITUTE (ACI) 318-89, UNLESS OTHERWISE NOTED.
- LAPS AT BAR SPLICES IN CONCRETE CONSTRUCTION SHALL BE CLASS A, B, OR C IN ACCORDANCE WITH CHAPTER 12 OF ACI 318-89, UNLESS OTHERWISE NOTED.
- VERTICAL BARS IN CONCRETE WALLS SHALL BE ACCURATELY POSITIONED AT THE CENTER OF THE WALL, UNLESS OTHERWISE NOTED ON THE DETAILS.
- ALL REINFORCING STEEL SHALL BE SECURELY TIED IN POSITION PRIOR TO PLACING CONCRETE OR GROUT.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- LAPS OF WELDED WIRE FABRIC AT SPLICES SHALL BE IN CONFORMANCE WITH ACI 318-83 (REVISED 1986), BUT NOT BE LESS THAN 8 INCHES.
- BAR SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH THE PROVISIONS OF "BAR SUPPORT SPECIFICATIONS" AS CONTAINED IN THE LATEST EDITION OF THE "MANUAL OF STANDARD PRACTICE" BY THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI).
- SEE THE "REINFORCED CONCRETE" NOTES FOR THE REQUIRED CONCRETE COVER FOR CAST-IN-PLACE CONCRETE.
- REINFORCING STEEL DETAILING, BENDING, AND PLACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL OF STANDARD PRACTICE" BY CRSI.
- WELDING OF CROSSING BARS AND TACK WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED.

STRUCTURAL STEEL

- MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS," 1989 EDITION, PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
- MATERIALS AND WORKMANSHIP FOR FABRICATION AND ERECTION SHALL CONFORM TO THE "CODE OF STANDARD PRACTICE," 1992 EDITION, PUBLISHED BY AISC.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM SPECIFICATION A36. STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM SPECIFICATION A500, GRADE B.
- MACHINE BOLTS AND ANCHOR BOLTS SHALL BE GRADE "A" CONFORMING TO ASTM A307, UNLESS OTHERWISE NOTED. NUTS SHALL CONFORM TO ASTM A563, HEX GRADE A.
- ALL WELDING SHALL BE DONE BY THE SHIELDED ARC PROCESS AND SHALL CONFORM TO THE PROVISIONS OF AWS D1.1-96, "STRUCTURAL WELDING CODE-STEEL," PUBLISHED BY THE AMERICAN WELDING SOCIETY (AWS) AND SHALL BE PERFORMED BY WELDERS QUALIFIED UNDER THE PROCEDURES CONTAINED THEREIN.
- FILLER METAL USED IN ARC WELDING SHALL BE IN ACCORDANCE WITH TABLE 4.1.1 OF AWS D1.1-96, "STRUCTURAL WELDING CODE-STEEL," PUBLISHED BY AWS. THE MINIMUM NOMINAL TENSILE STRENGTH FOR FILLER METAL SHALL BE 70 KSI.
- STEEL SHALL BE PRIMED WITH A SHOP APPLIED PRIMER EXCEPT AS FOLLOWS:
 - STEEL TO BE EMBEDDED IN CONCRETE.
 - SURFACES WITHIN 2 INCHES OF FIELD WELD LOCATIONS.
- NON-SHRINK GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 7,000 PSI PER ASTM C-109. GROUTING OF BASE PLATES PRIOR TO PLUMBING OF COLUMNS SHALL NOT BE PERMITTED.
- HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM A325. NUTS SHALL BE HEAVY HEX, GRADE C, CONFORMING TO ASTM A563.

STRUCTURAL WOOD

- EXCEPT AS NOTED IN NOTE 2 BELOW, SAWN WOOD MEMBERS SHALL BE HEM FIR NO. 2 OR BETTER, UNLESS OTHERWISE NOTED, S4S, CONFORMING TO THE "UNIFORM BUILDING CODE" (UBC) STANDARDS 23-1, AND SHALL BE GRADE MARKED BY A RECOGNIZED GRADING AGENCY APPROVED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO).
- EXTERIOR SAWN WOOD MEMBERS SHALL BE WESTERN CEDAR, SELECT STRUCTURAL, OR OTHER GRADE THAT EXCEEDS THE STRESSES FOR HEM FIR NO. 2 NOTED IN NOTE 1 ABOVE.
- SHEATHING SHALL BE PLYWOOD OR ORIENTED STRAND BOARD; SHALL BE APA RATED SHEATHING; SHALL CONFORM TO THE REQUIREMENTS OF UBC STANDARD 23-2 & 23-3; SHALL BE OF THICKNESS AND GRADE AS NOTED ON THE STRUCTURAL DRAWINGS; AND SHALL BE STAMPED WITH THE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION.
- FRAMING ANCHORS, STRAPS, JOIST HANGERS, ETC., SHALL BE AS MANUFACTURED BY "SIMPSON COMPANY" OR AN APPROVED EQUAL.
- BOLTS SHALL CONFORM TO ASTM A307. NUTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A563, HEX GRADE A.
- ALL BOLT HEADS, NUTS, AND LAG SCREWS BEARING ON WOOD SHALL HAVE CUT WASHERS, UNLESS OTHERWISE NOTED.
- BOLT HOLES IN WOOD SHALL BE DRILLED 1/32" LARGER THAN THE NOMINAL BOLT DIAMETER.
- NAILING OF SAWN WOOD MEMBERS SHALL BE WITH COMMON NAILS, UNLESS OTHERWISE NOTED. WHERE NOT SHOWN ON THE DRAWINGS, NAILING SHALL CONFORM TO TABLE 23-I-Q OF THE UBC.

BN = NAILING AT DIAPHRAGM BOUNDARIES, CONTINUOUS PANEL EDGES, AND AT EDGES OF OPENINGS.
EN = EDGE NAILING
FN = FIELD NAILING
- DIAPHRAGM NAILING SHALL CONFORM TO TABLE 23-I-J-1 AND 23-I-K-1 OF UBC (COMMON NAILS) WITH NOMENCLATURE DEFINED AS FOLLOWS:

BN = NAILING AT DIAPHRAGM BOUNDARIES, CONTINUOUS PANEL EDGES, AND AT EDGES OF OPENINGS.
EN = EDGE NAILING
FN = FIELD NAILING
- IN HORIZONTAL DIAPHRAGMS OR VERTICAL SHEAR WALLS, NO PANEL LESS THAN 24" WIDE SHALL BE USED UNLESS ALL EDGES ARE SUPPORTED ON FRAMING OR BLOCKING.
- WOOD MEMBERS SHALL BE ERECTED WITH THE NATURAL CAMBER UP.
- ALL NAILS LARGER THAN 16d AND ALL NAILING TENDING TO CAUSE SPLITTING OF WOOD MEMBERS, SHALL BE INSTALLED IN PRE-DRILLED HOLES.
- CUTTING, NOTCHING, OR DRILLING OF BEAMS/JOISTS/POSTS TO BE PERMITTED ONLY AS DETAILED OR APPROVED BY THE ENGINEER.
- ALL SILLS OR PLATES RESTING ON CONCRETE OR MASONRY WHICH IS IN CONTACT WITH EARTH, SHALL BE PRESSURE TREATED IN CONFORMANCE WITH WESTERN WOOD PRESERVES INSTITUTE. SURFACES THAT ARE DAMAGED OR EXPOSED BY CUTTING, DRILLING, OR NOTCHING SHALL BE TREATED WITH A PRESERVATIVE PER WESTERN WOOD PRESERVES INSTITUTE.
- PROVIDE BLOCKING OR BRIDGING PER SECTION 2306.7 OF THE UBC.
- UNLESS OTHERWISE NOTED, TOP PLATES OF ALL WOOD STUD WALLS SHALL BE 2-2X (SAME DEPTH AS STUDS) LAPPED 48" MINIMUM WITH NOT LESS THAN 8-16d NAILS AT EACH SIDE OF THE LAP.
- MOISTURE CONTENT OF WOOD AT TIME OF PLACING SHALL NOT EXCEED 19 PERCENT.

PRE-FABRICATED WOOD TRUSSES

- PRE-FABRICATED WOOD TRUSSES SHALL BE TRUSWAL TRUSSES OR APPROVED EQUAL. THE CONTRACTOR SHALL SUBMIT JOIST/TRUSS LAYOUT DRAWINGS, DETAILS, AND CALCULATIONS TO THE ENGINEER AND BUILDING DEPARTMENT FOR APPROVAL PRIOR TO FABRICATION.
- TRUSSES SHOWN ON THESE PLANS HAVE BEEN CALCULATED AND DETAILED FOR THE SPECIFIC FRAMING SHOWN AND HAVE BEEN APPROVED BY THE FIRE MARSHALL. IF ANY SUBSTITUTION IS PROPOSED BY THE CONTRACTOR, NEW CALCULATIONS WILL HAVE TO BE PREPARED. THE DETAILS MAY HAVE TO BE ALTERED, AND NEW PLANS MAY HAVE TO BE SUBMITTED TO THE FIRE MARSHALL. THE CONTRACTOR SHALL PROVIDE AN ALLOWANCE TO COVER THE ENGINEER'S FEES TO ALTER THE APPROVED PLANS AND TO PROCESS THROUGH THE FIRE MARSHALL.
- ALL LATERAL BRACING SHOWN IS SCHEMATIC ONLY. CONTRACTOR SHALL SUBMIT BRACING LAYOUT AND DETAILS, INCLUDING BRIDGING, HANGERS, STIFFENERS, CLIPS, AND OTHER HARDWARE PROVIDED FOR INSTALLATION, TO THE ENGINEER AND BUILDING DEPARTMENT FOR APPROVAL PRIOR TO FABRICATION.
- THE TRUSS SYSTEM SHALL BE DESIGNED FOR THE LOADING CRITERIA SHOWN ON THIS SHEET, AND SHEET 0-11.
- FIFTEEN PERCENT INCREASE OF THE LUMBER STRESSES SHALL BE ALLOWED FOR MEMBERS SUPPORTING SNOW LOAD.

GLUE-LAMINATED TIMBERS

- MANUFACTURE OF GLUE-LAMINATED TIMBERS SHALL BE IN CONFORMANCE WITH A190.1-1983, PUBLISHED BY AMERICAN NATIONAL STANDARDS INSTITUTE/AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (ANSI/AITC).
- INTERIOR GLUE-LAMINATED TIMBERS SHALL BE INDUSTRIAL APPEARANCE GRADE, USING EXTERIOR GLUE, COMBINATION SYMBOL 24F-E4.
- EXTERIOR GLUE-LAMINATED TIMBERS SHALL BE TREATED FOR EXTERIOR USE, ARCHITECTURAL GRADE, USING EXTERIOR GLUE, COMBINATION SYMBOL 24F-E4.
- GLUE-LAMINATED TIMBERS SHALL BE FABRICATED IN A PLANT WITH AN APPROVED QUALITY CONTROL SYSTEM, LICENSED BY AITC.
- MANUFACTURER OF GLUE-LAMINATED TIMBERS SHALL STAMP MEMBERS WITH A QUALITY MARK OF THE AITC INSPECTION ORGANIZATION AND SHALL SUBMIT AN AITC INSPECTION CERTIFICATE TO THE BUILDING INSPECTION DEPARTMENT AND THE ENGINEER PRIOR TO INSTALLATION.

RECORD OF REVISIONS	DATE:	DESCRIPTION OF CHANGE:	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION DESIGN & CONSTRUCTION	SKAGWAY SKAGWAY AIR TERMINAL AIP # 3-02-0270-0399 STRUCTURAL NOTES	ALASKA	DESIGNED BY:	PROJECT NO.
						M.C.S.	71835
						D.S.	DATE: JANUARY 19, 1999
						M.A.M.	SHEET 0-1 OF ---



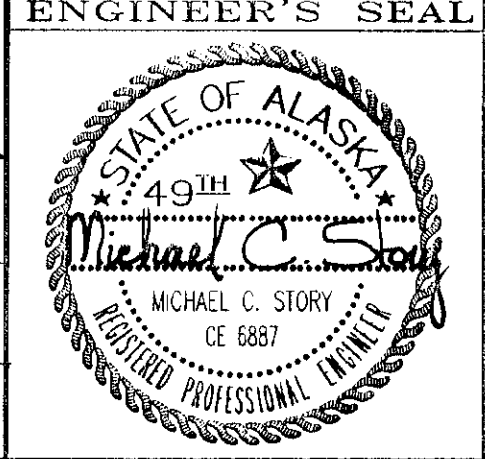
R & M ENGINEERING, INC.
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rmjuneau@ptialaska.net

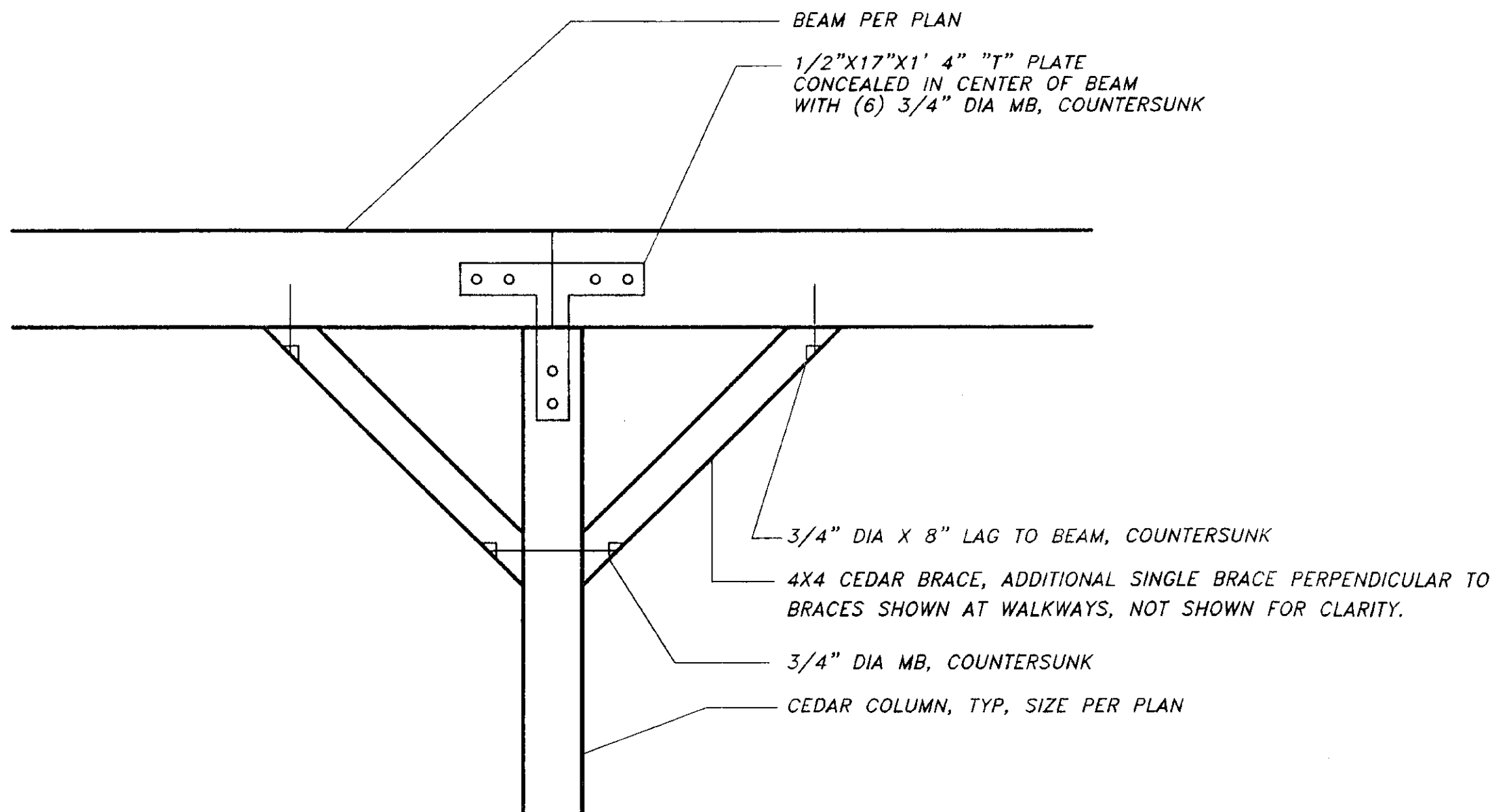
**Jensen
Yorba
Lott
Inc.**

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phone 907-586-1070
fax 907-586-3959
jyl@alaska.net

NOTE:
DO NOT SCALE FROM THESE
PLANS - USE DIMENSIONS

ENGINEER'S SEAL





1

BRACES AT EXTERIOR CANOPY AND PORCH

NTS

DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS	

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

SKAGWAY AIR TERMINAL

AIP # 3-02-0270-0399

ROOF FRAMING DETAILS

ALASKA

DESIGNED BY:	M.C.S.	PROJECT NO.	71835
DRAWN BY:	D.S.	DATE:	JANUARY 19, 1999
CHECKED BY:	M.A.M.	SHEET	0-100F --

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STATE OF ALASKA

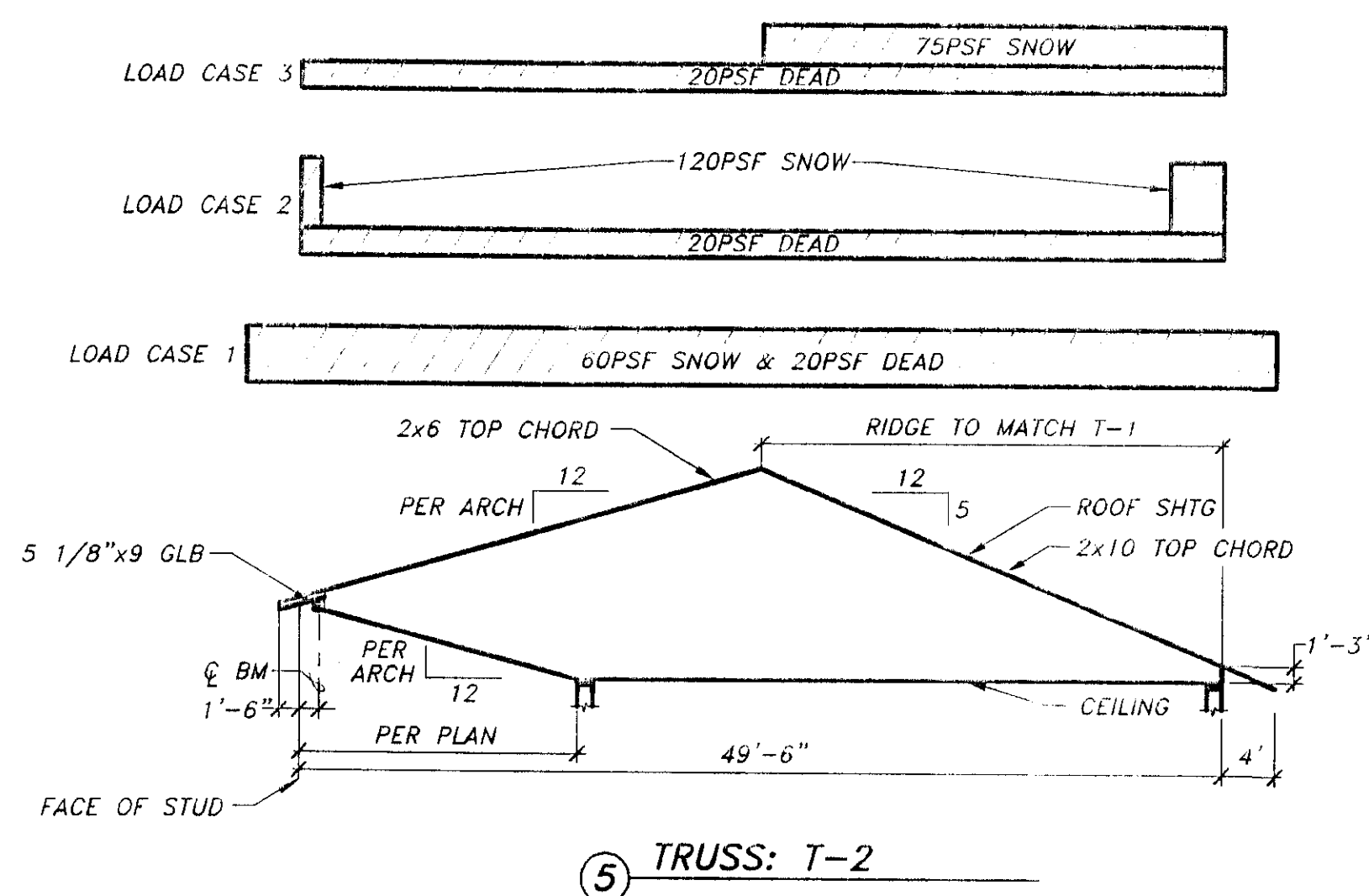
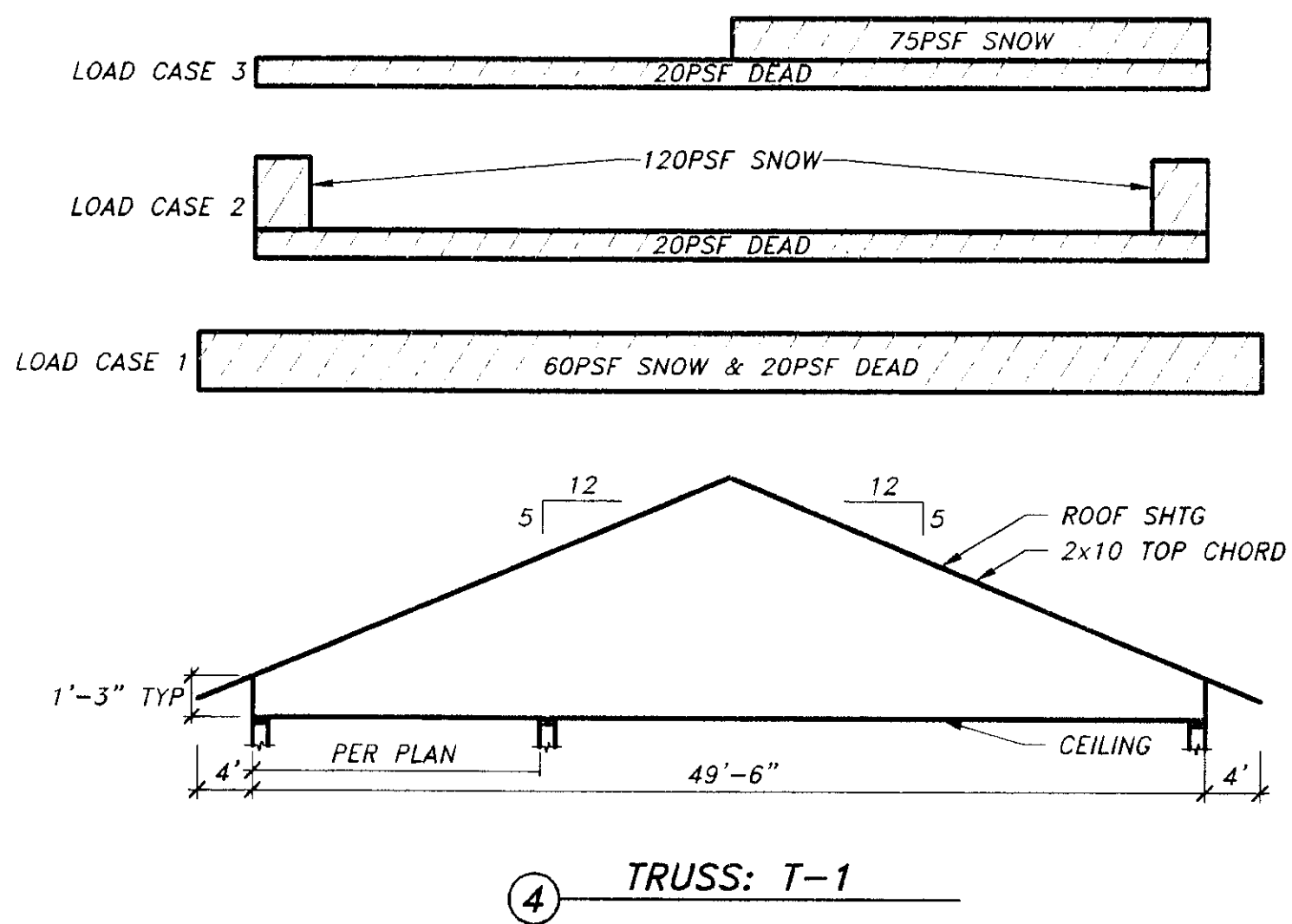
49th

Michael C. Story

MICHAEL C. STORY

CE 6887

PROFESSIONAL ENGINEER



DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY ALASKA
SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
ROOF FRAMING DETAILS

DESIGNED BY:	M.C.S.	PROJECT NO.	71835
DRAWN BY:	D.S.	DATE:	JANUARY 19, 1999
CHECKED BY:	M.A.M.	SHEET	0-11 OF --

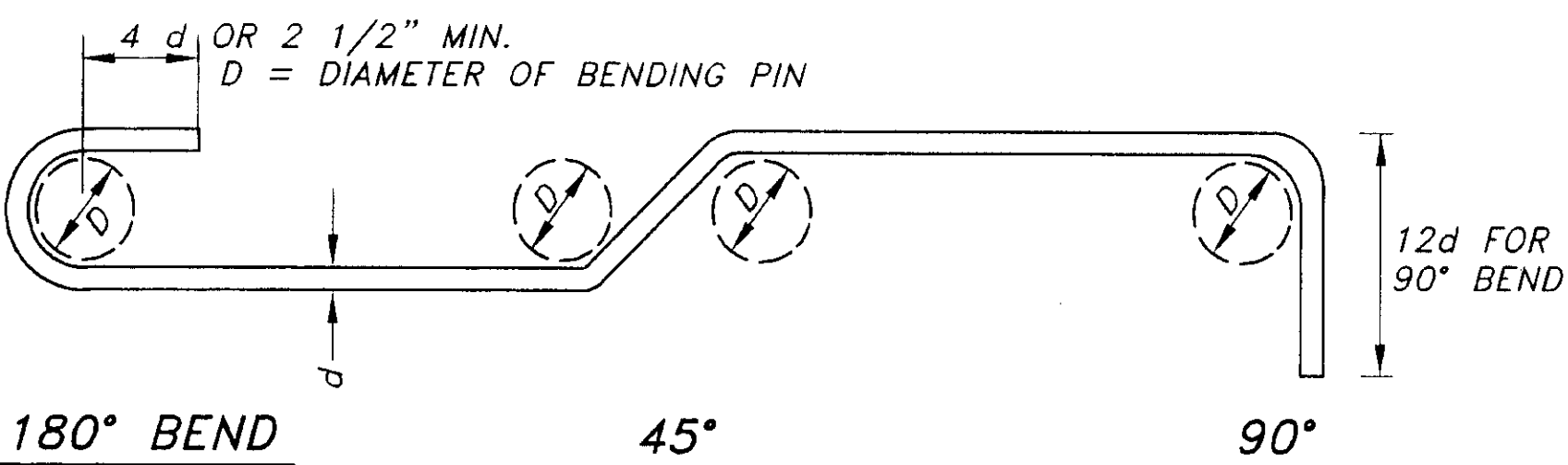
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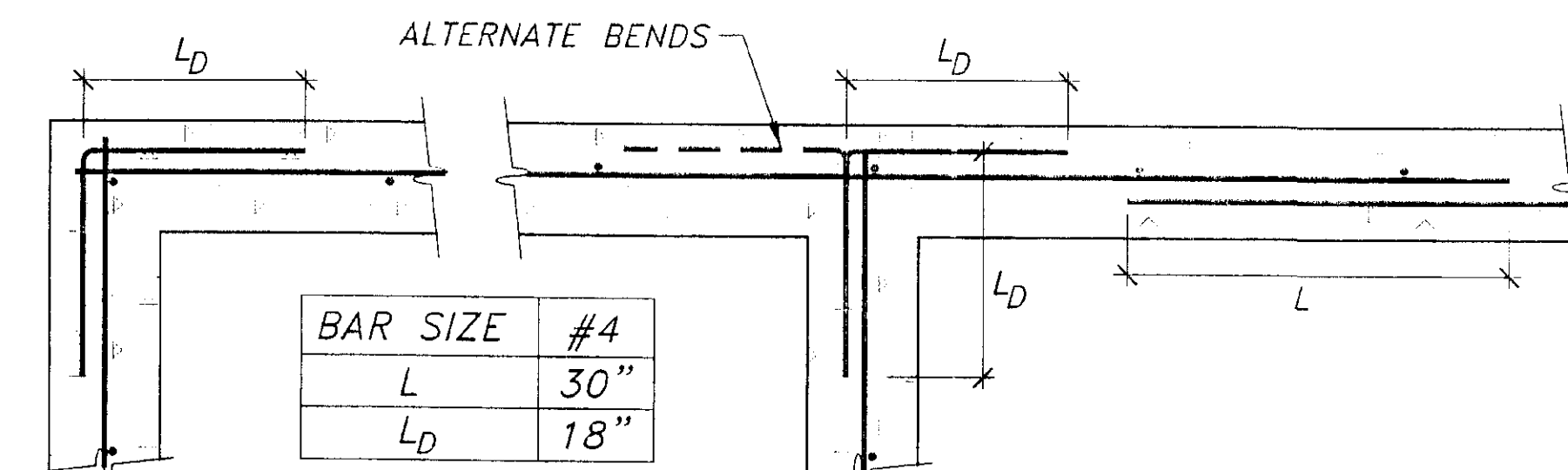
STATE OF ALASKA
1999
Michael C. Story
MICHAEL C. STORY
CE 6897
REGISTERED PROFESSIONAL ENGINEER



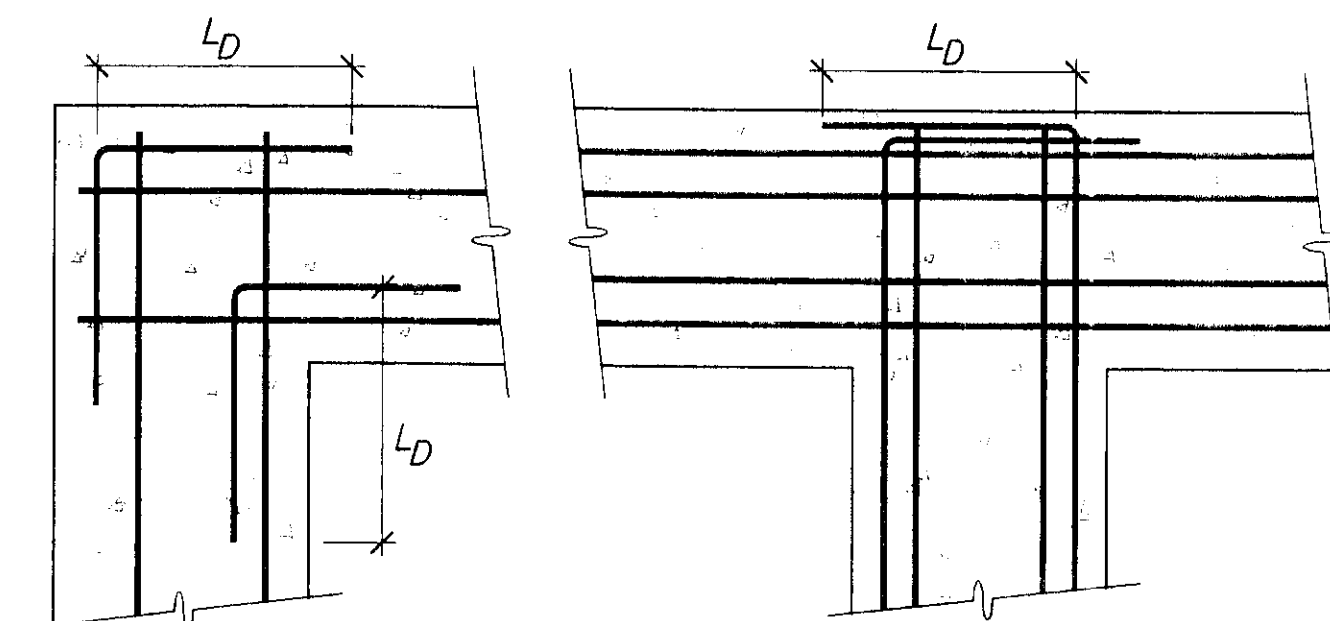
BAR SIZE	MIN. PIN DIA.
#3 THRU #8	6 BAR DIA.

LEGEND (FOR REINF. BENDS NOT SHOWN TO SCALE)

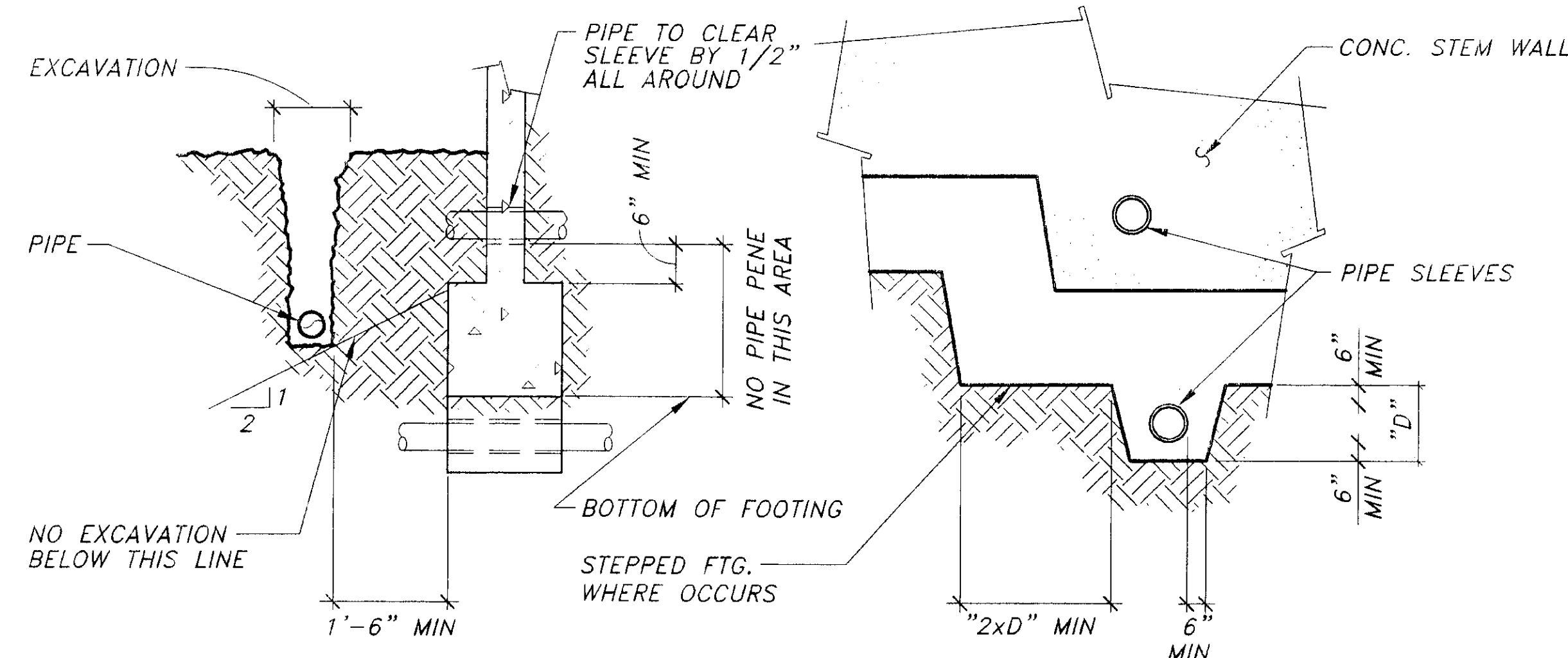
- DENOTES 90° BEND IN THE PLANE OF THE DWG.
- DENOTES 90° BEND PERPENDICULAR TO THE PLANE OF THE DWG.
- DENOTES BEND PERPENDICULAR TO THE PLANE OF THE DWG.
- DENOTES BEND IN THE PLANE OF THE DWG.
- DENOTES OFFSET IN THE PLANE OF THE DWG.



SINGLE CURTAIN @ STEM WALLS



DOUBLE CURTAIN @ FTGS



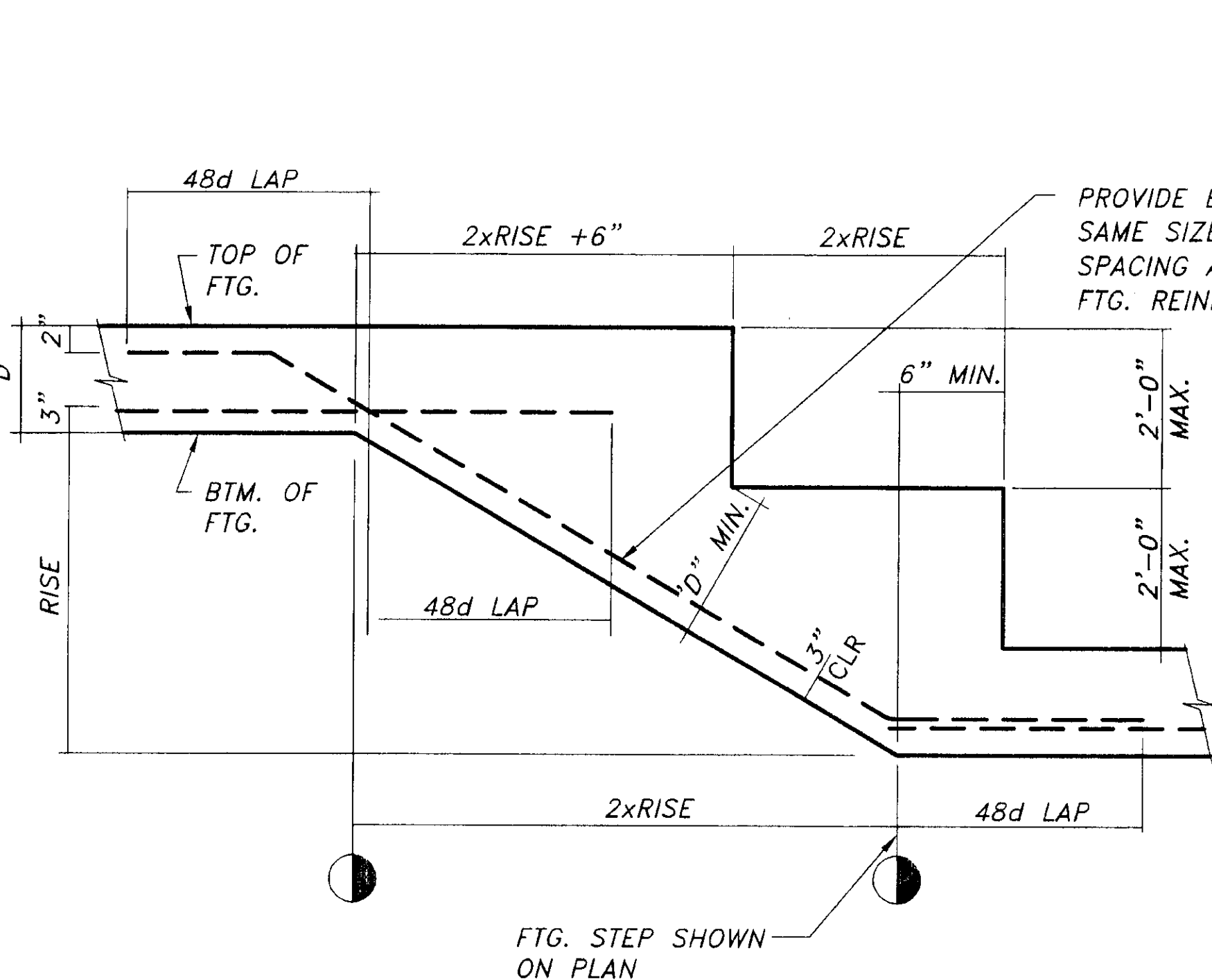
FOOTING SECTION

FOOTING ELEVATION

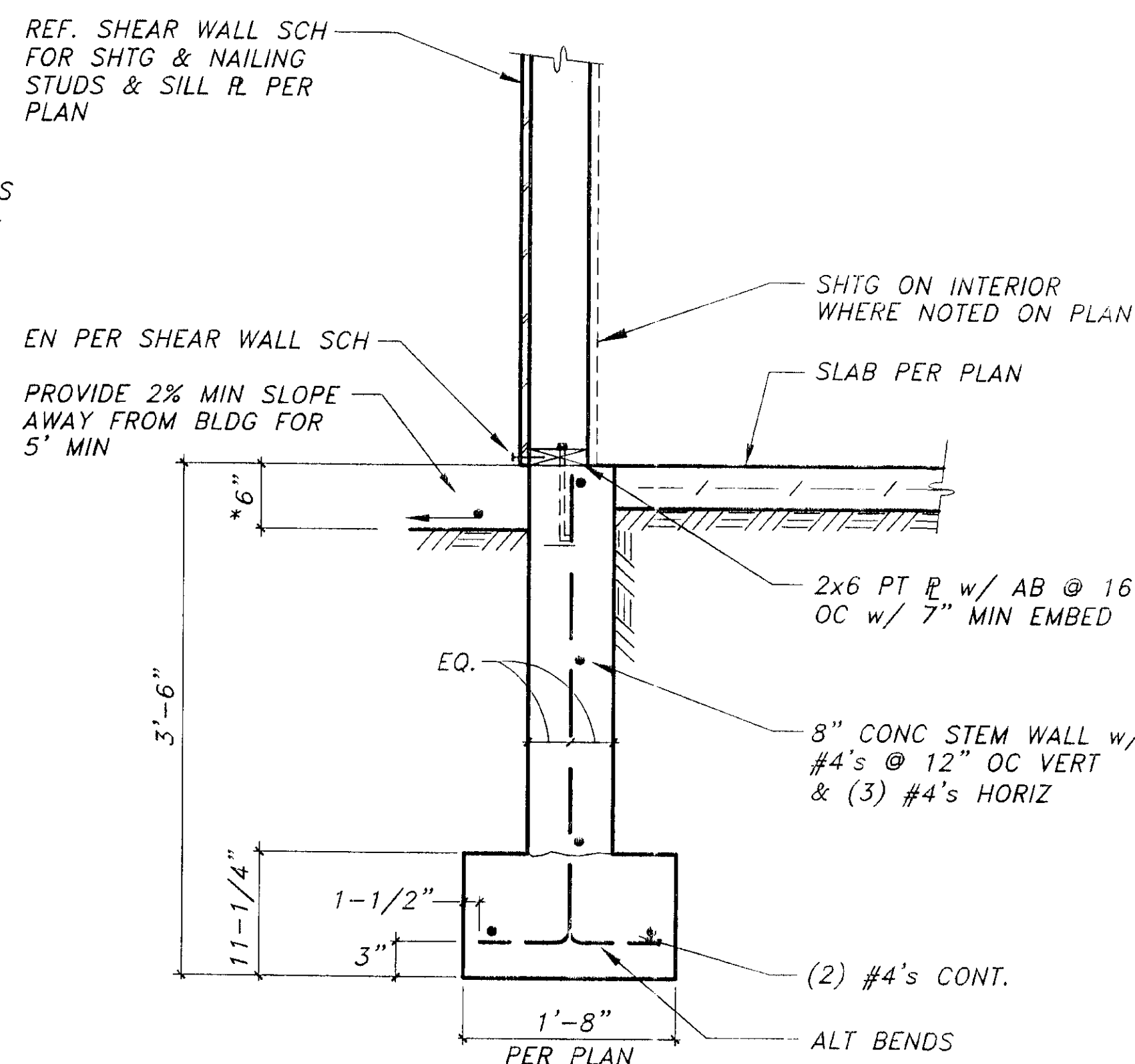
1 STANDARD HOOKS & BENDS

2 WALL & FTG REINF @ CORNERS & INTERSECTIONS

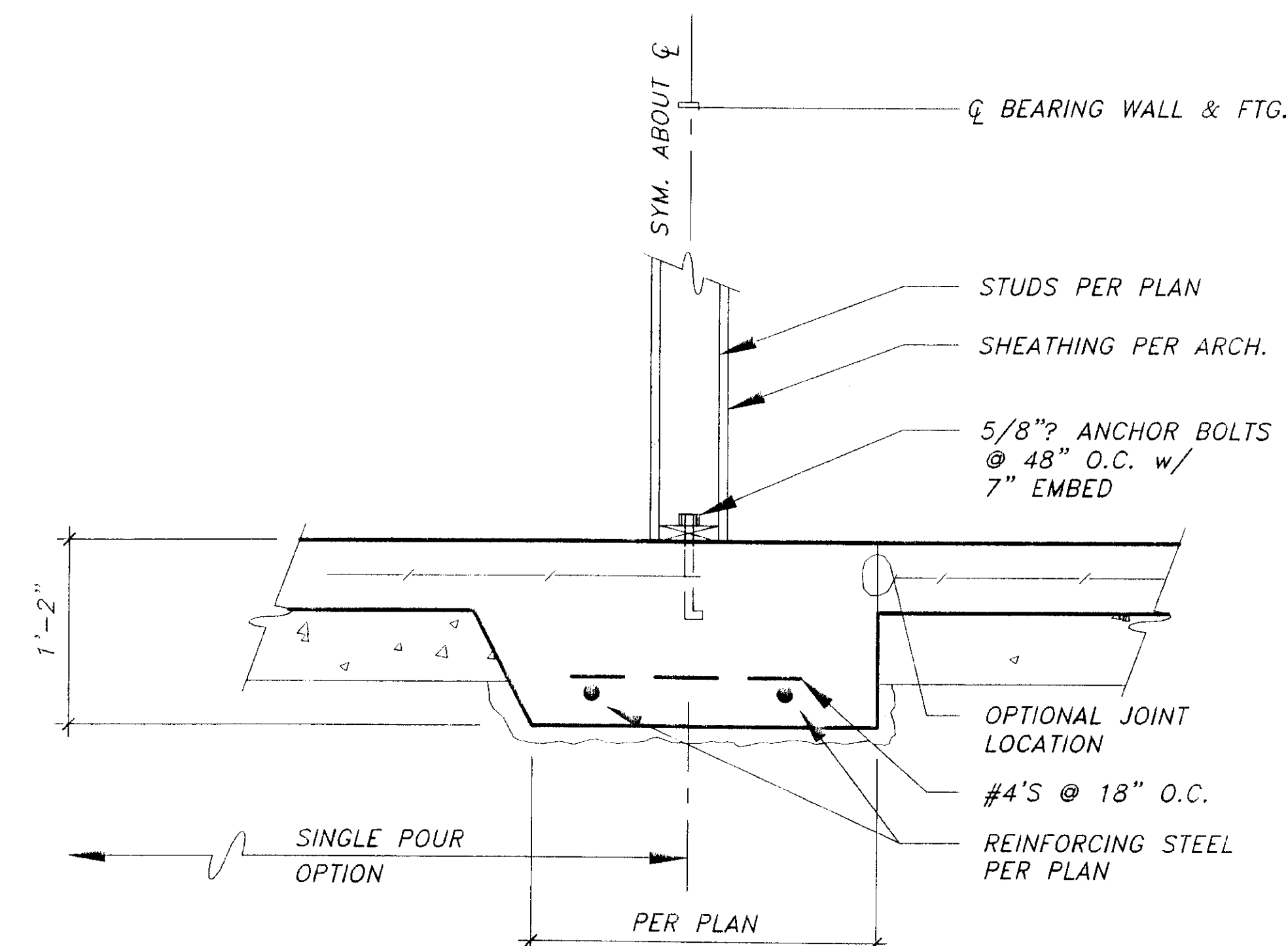
3 PIPES & TRENCHES @ FOUNDATIONS



4 TYPICAL FOUNDATION STEP



5 TYPICAL EXTERIOR FOOTING



6 THICKENED SLAB DETAIL

DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY
SKAGWAY AIR TERMINAL
AIP # 3-03-0270-0399
FOUNDATION DETAILS

DESIGNED BY:	M.C.S.	PROJECT NO.	71835
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CHECKED BY:	M.A.M.	SHEET	0-3 OF --

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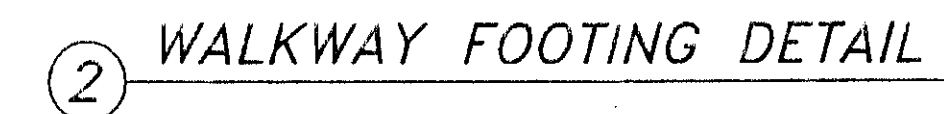
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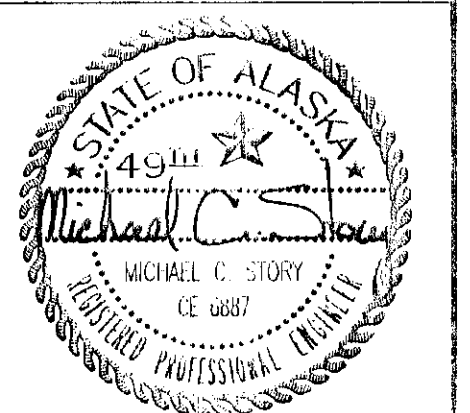
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

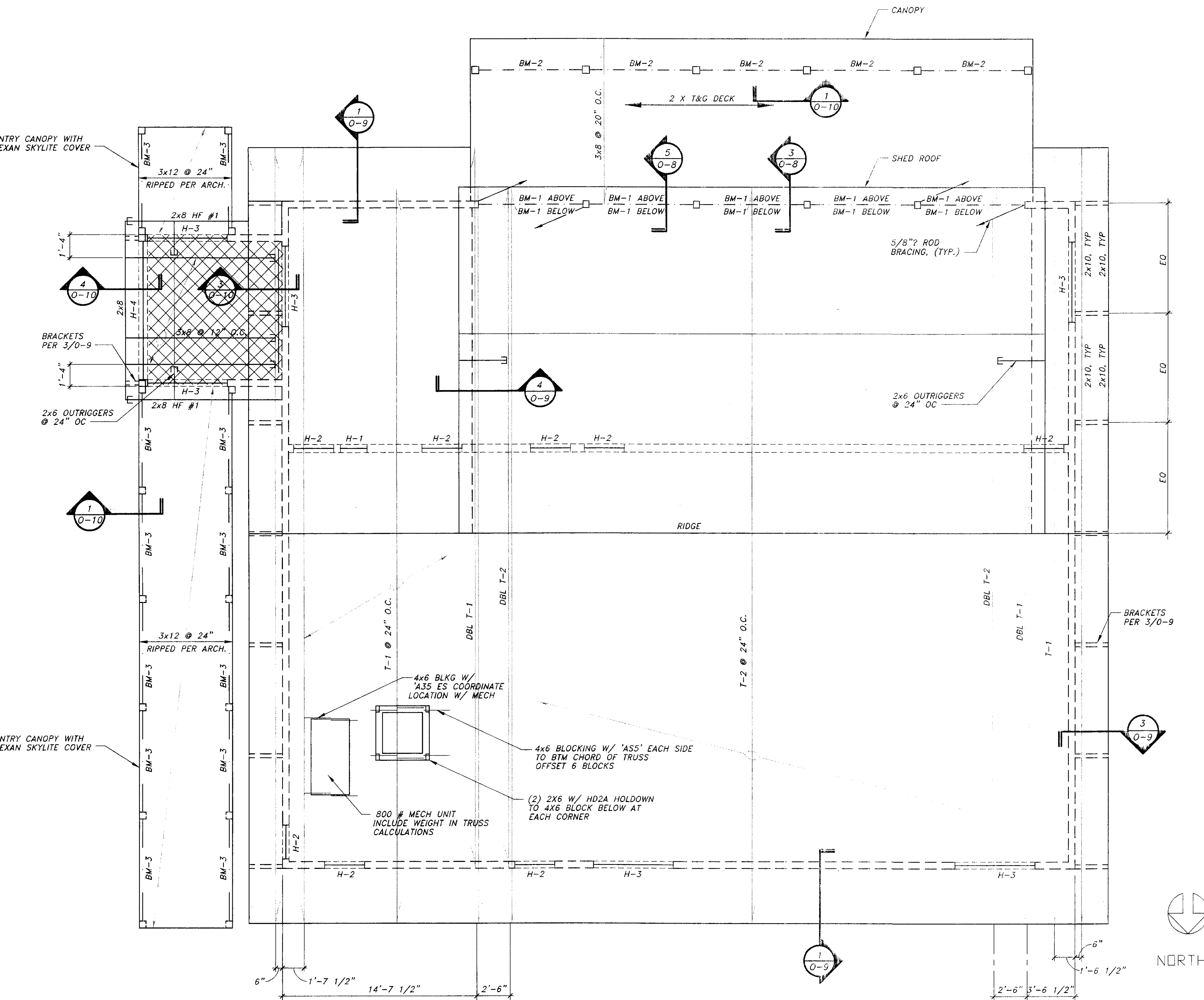
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PROJECT NO.	71835
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SHEET	0-4 OF --

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ENGINEER'S SEAL





PLAN NOTES:

1. VERIFY ALL DIMENSIONS, ELEVATIONS, DEPRESSIONS, RAILINES, TEC. W/ ARCHITECTURAL.
2. REF. ARCH'L, MECH'L, ELECT'L, PLUMBING, AND CIVIL DWGS. FOR DUCTS, CHASES, PIPES, ETC.
3. REF. 0-1 FOR GENERAL NOTES AND DESIGN CRITERIA.
4. REF. 0-6 FOR STANDARD DETAILS.
5. WALLS (OR PORTIONS OF WALLS) NOT INDICATED ON FRAMING PLANS ARE PARTITION WALLS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND EXTENT OF PARTITION WALLS.

BEAM SCHEDULE

MARK	SIZE	REMARKS
BM-1	5 1/8x9	GLB
BM-2	5 1/8x9	TREATED GLB
BM-3	(2) 2x8	SEE ARCH

HEADER SCHEDULE

MARK	SIZE	REMARKS
H-1	(2)2x10	24" MAX RO, 2x @ EA FACE
H-2	4x12	-
H-3	3 1/8x12 GLB	GLB
H-4	6 3/4x9	GLB

TRUSS SCHEDULE

MARK	SNOW LOADS	REMARKS
T-1	60 PSF	SEE 4/0-11
T-2	60 PSF	SEE 4/0-11

ROOF SHEATHING

23/32" APA RATED SHEATHING w/ PANEL INDEX 48/24, NAIL w/ 10d @ 6" OC @ SUPPORT EDGES AND BOUNDARIES, AND 10d @ 12" OC IN FIELD. EAVES w/ EXPOSED SOFFITS SHALL HAVE A-D RATED SHEATHING w/ THE A SIDE DOWN.

CANOPY SHEATHING

3/8" APA RATED SHEATHING w/ PANEL INDEX 24/0, NAIL TO 3x FRAMING w/ 10d @ 6" OC @ EDGES AND BOUNDARIES, AN 12" OC IN FIELD OVER 1x6 DECKING.

LEGEND

—	BEARING WALL ABOVE
—	CONCRETE STEMWALL
—	SHEARWALL TYPE
J—	FLOOR JOIST PER PLAN
BM—	BEAM PER PLAN
S/H/D10—	HOLDOWN
T—	TRUSS PER PLAN
H—	HEADER PER SCHEDULE
—	BEARING WALLS BELOW
—	SHEARWALL
—	COLUMN (TYPE AND SIZE AS NOTED)
—	STAIR OPENING
—	HOLDOWN
—	BEARING WALL ABOVE
—	BTM OF FTG EL, REF 4/S3.1
LDG	LEDGER
T.O.W.	TOP OF CONC. FOUNDATION WALL
do	DITTO

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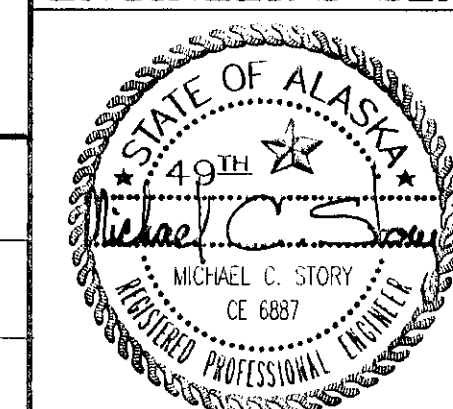
**Jensen
Yorba
Lott
Inc.**

522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jyl@alaska.net

NOTE:

DO NOT SCALE FROM THESE
PLANS - USE DIMENSIONS

ENGINEER'S SEAL



TH:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

OM-471-5

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

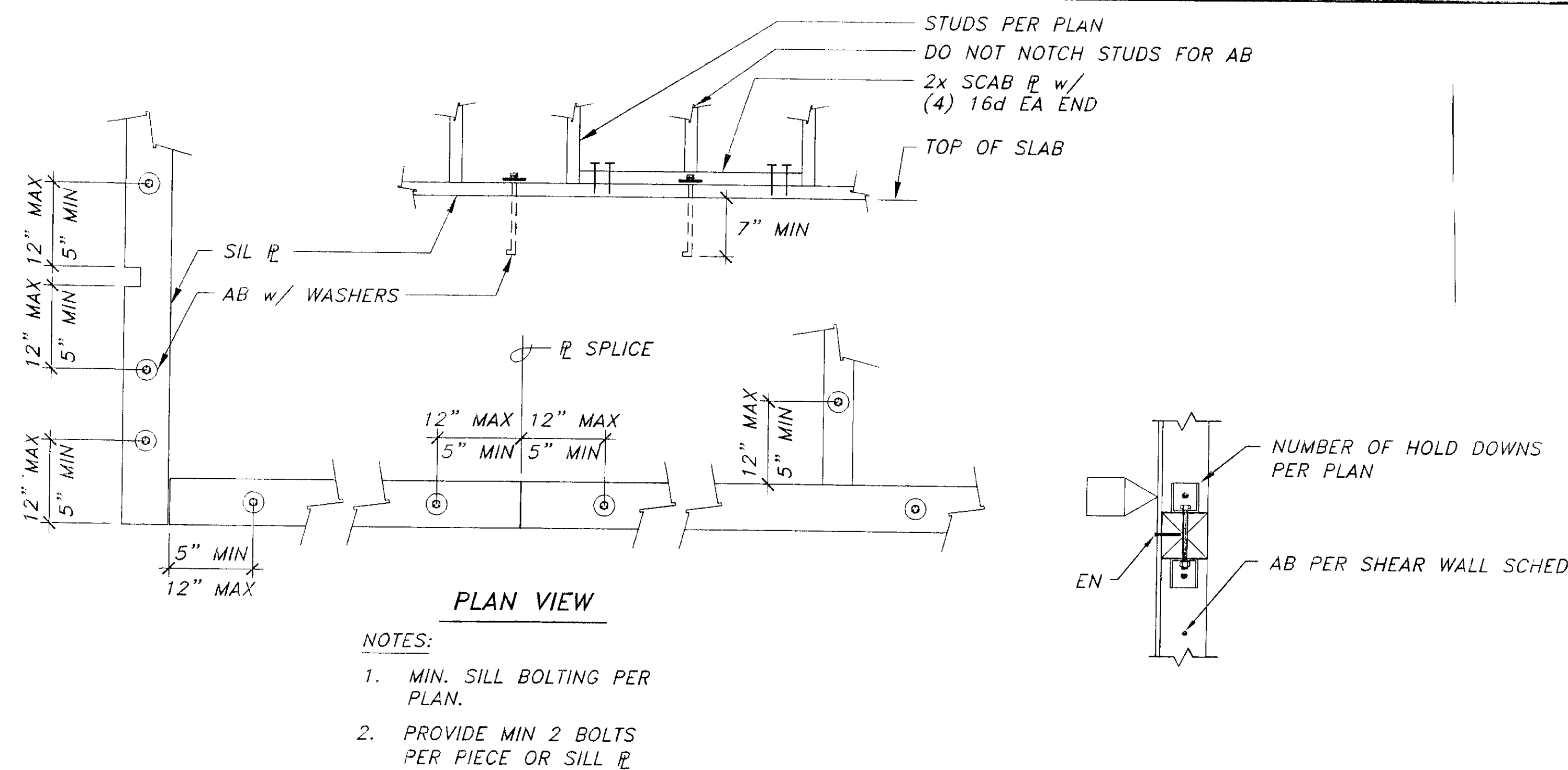
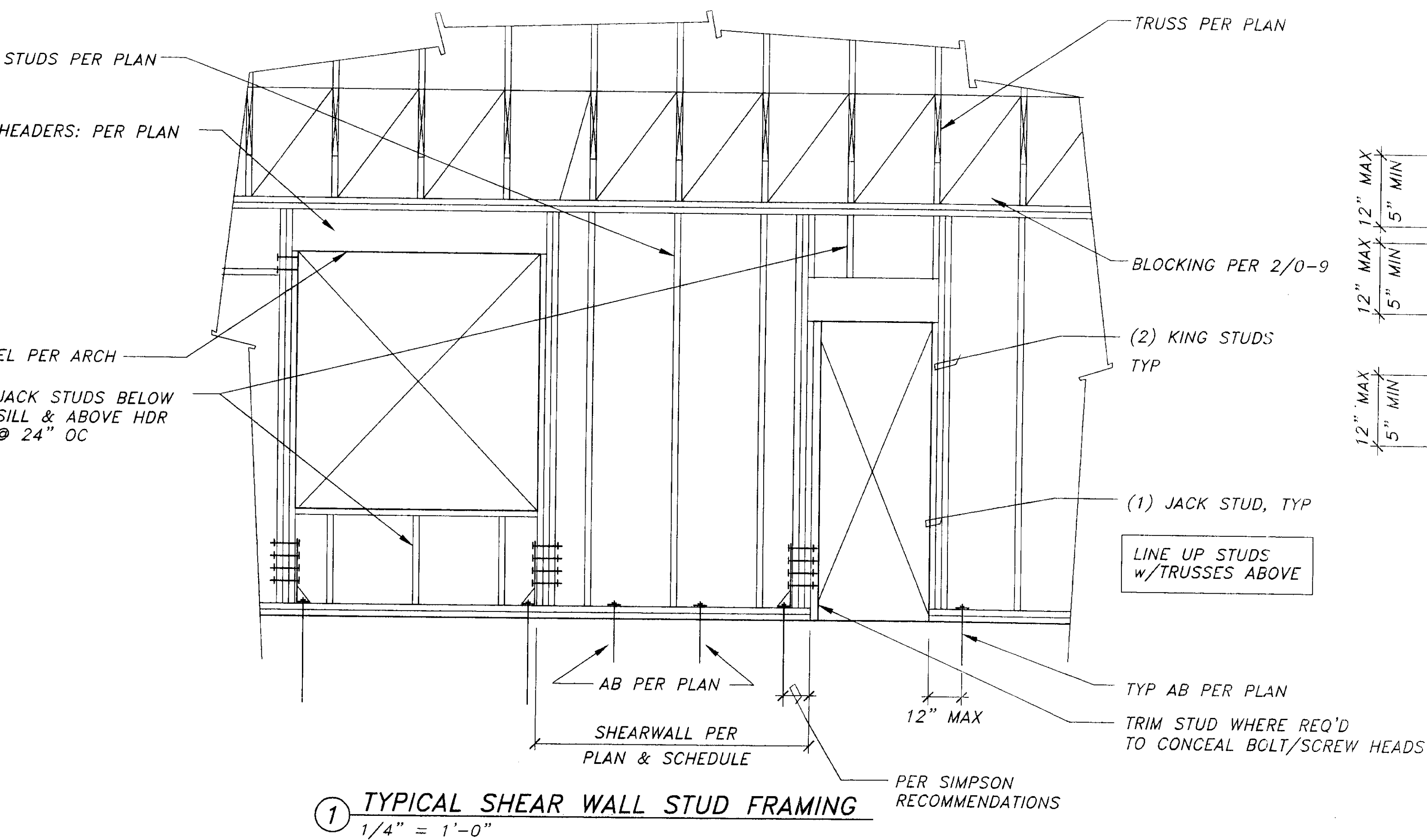
SKAGWAY AIR TERMINAL

AIP # 3-02-0270-0399

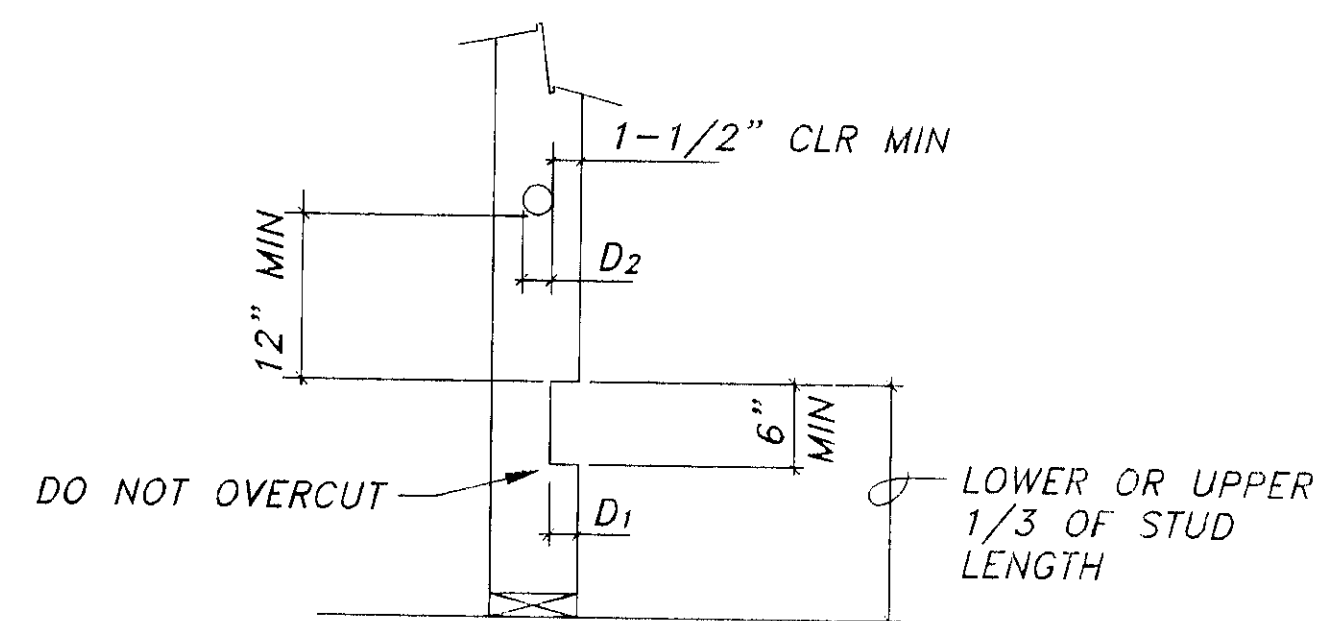
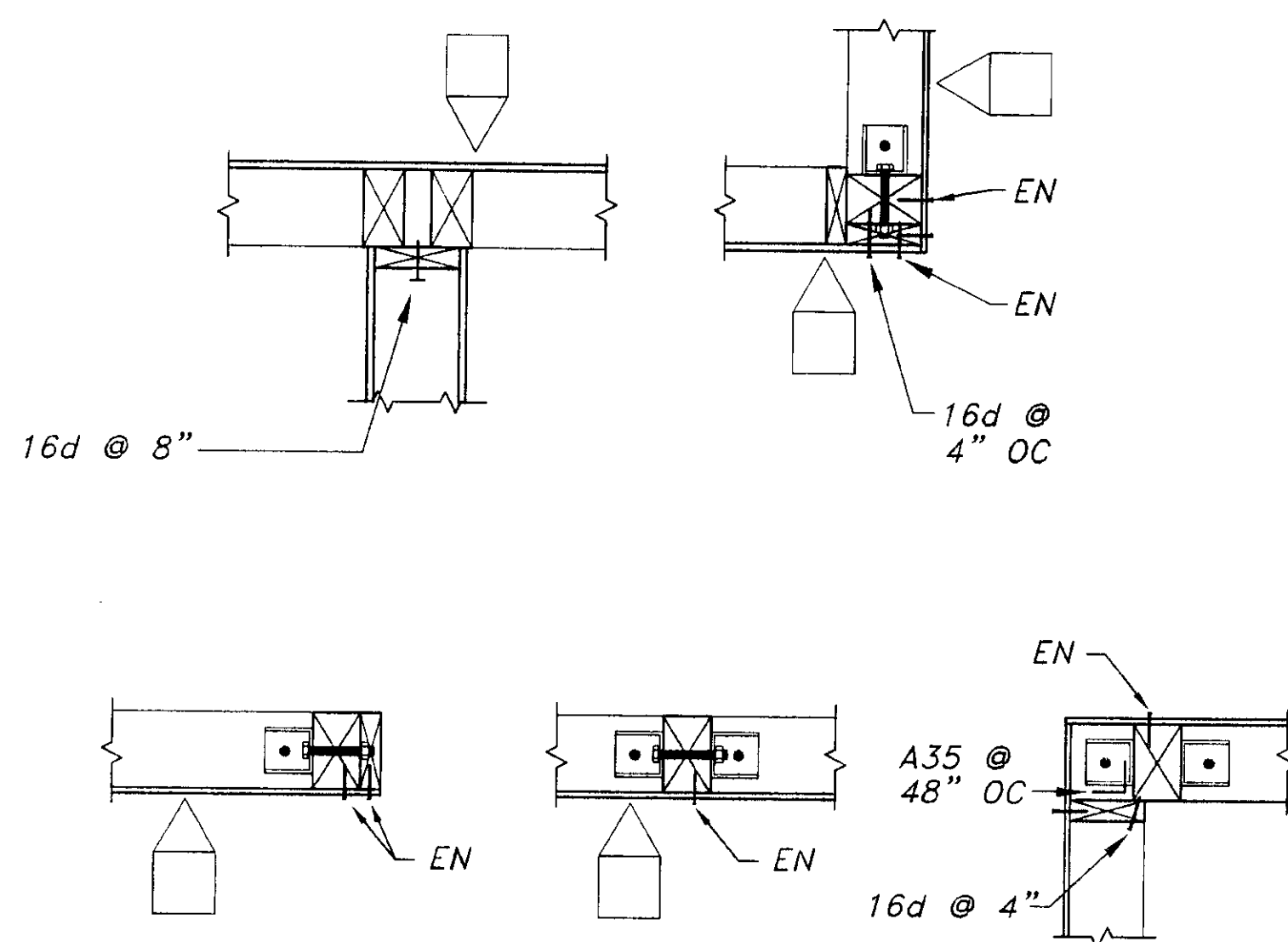
ROOF FRAMING PLAN

ALASKA

DESIGNED BY:	M.C.S.	PROJECT NO.	71835
DRAWN BY:	D.S.	DATE:	JANUARY 19, 1999
CHECKED BY:	M.A.M.	SHEET	0-5 OF --



3 PLAN VIEW BOLTED HOLD DOWN



BEARING/EXTERIOR WALLS		
STUD SIZE	MAX. D ₁ (NOTCH)	MAX. D ₂ (HOLE)
2x6	1-1/4"	1-1/2"
4x6	1-1/4"	1-1/2"
2x8	1-1/2"	2"

R & M

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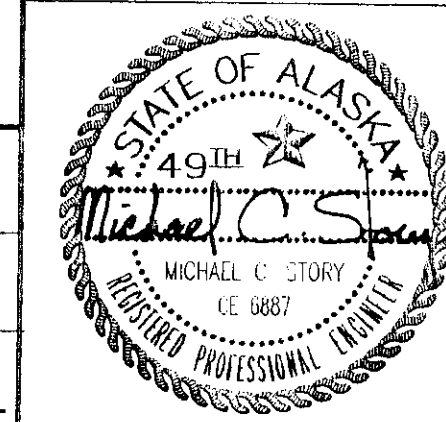
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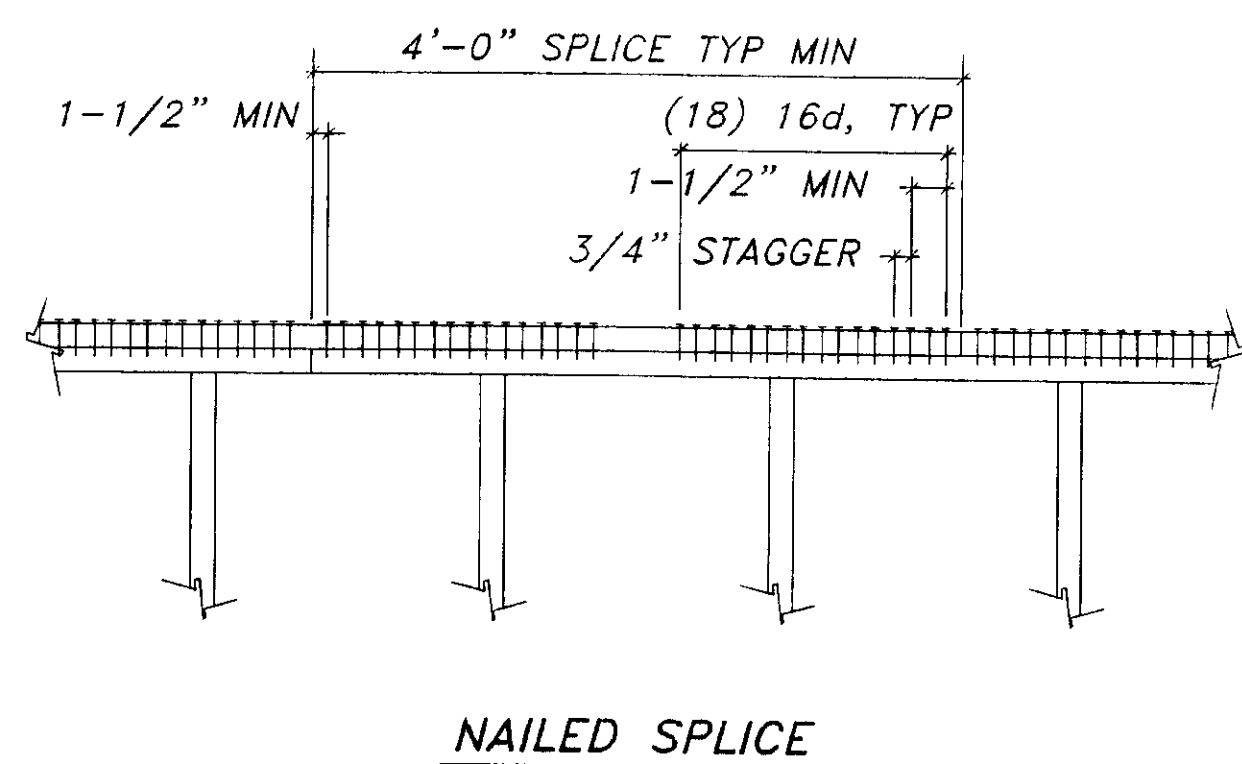
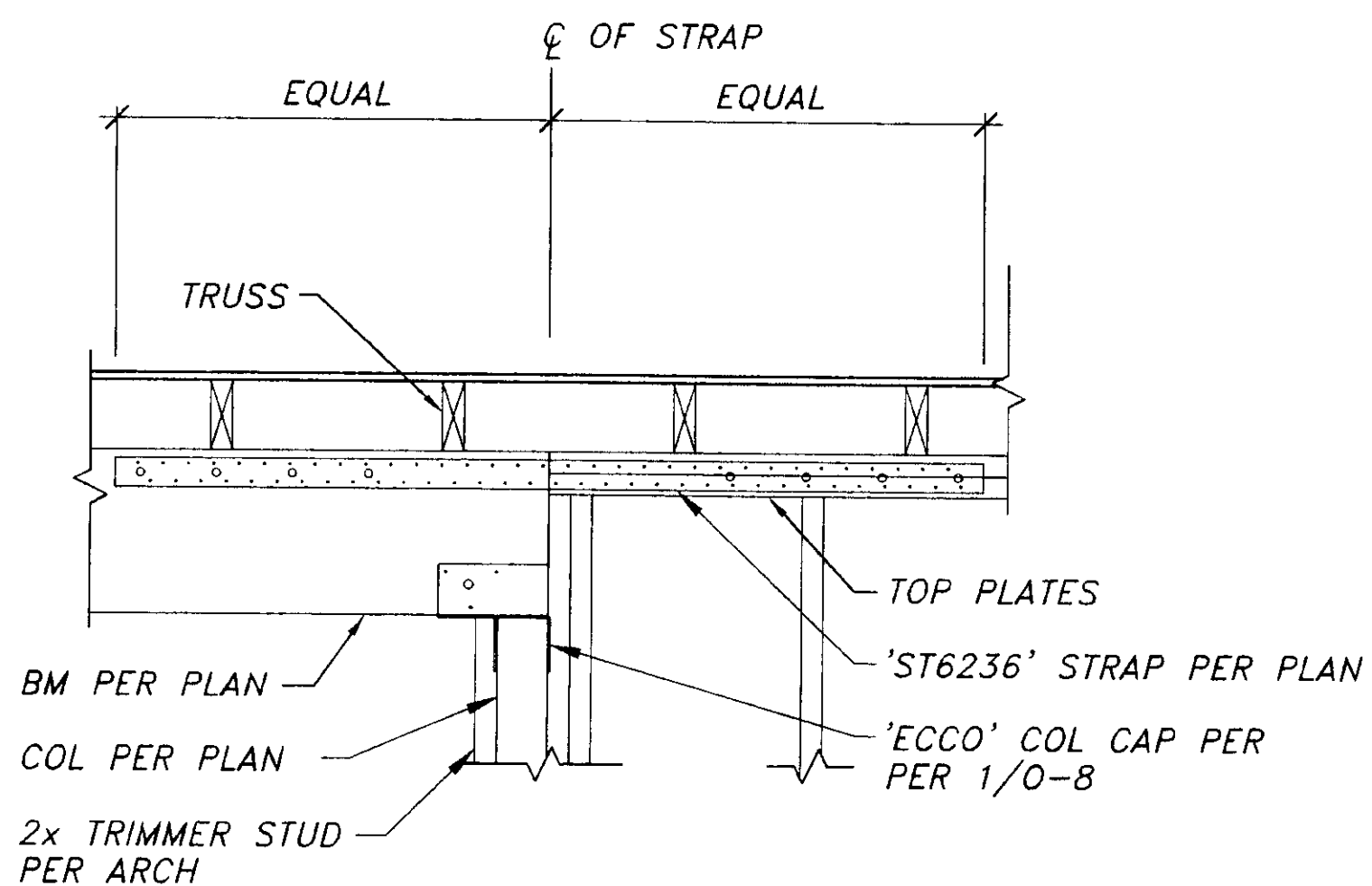
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

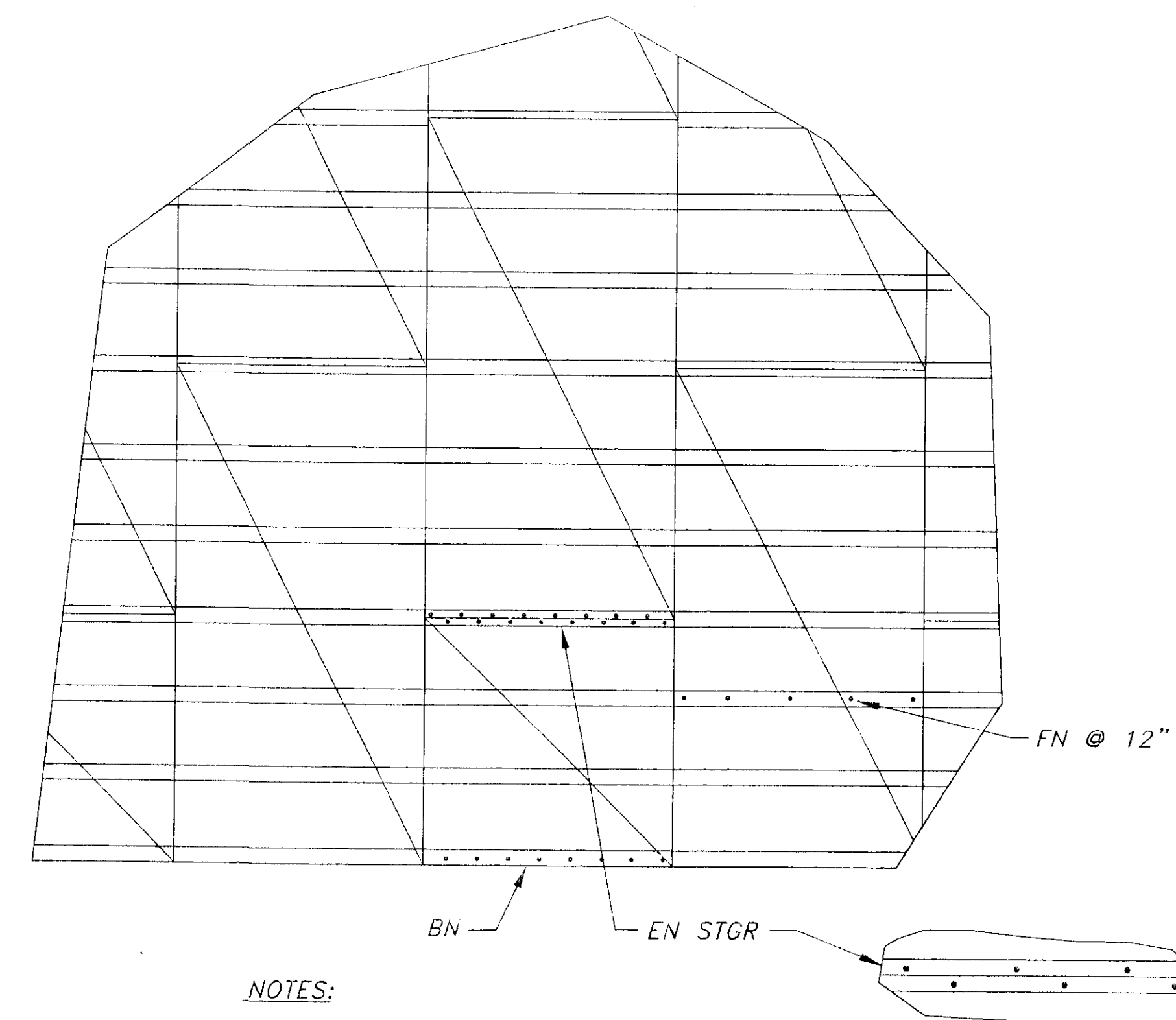
SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
TYPICAL DETAILS

ALASKA

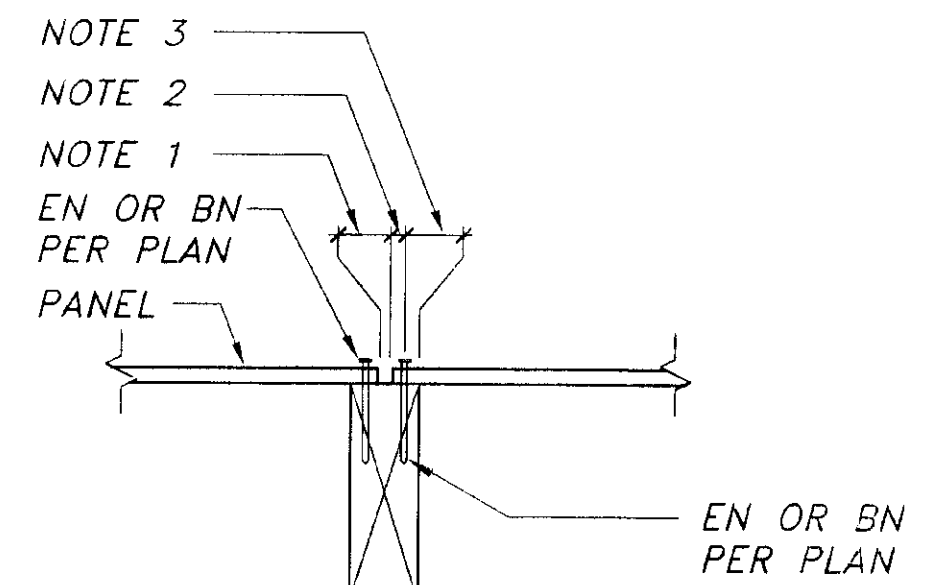
DESIGNED BY:	M.C.S.	PROJECT NO.	71835
DRAWN BY:	D.S.	DATE:	JANUARY 19, 1999
CHECKED BY:	M.A.M.	SHEET	0-6 OF --



- NOTES:
- 1.) MINIMUM PLATE SPLICE IS (18) 16d EA. SIDE OF EA. PLATE JOINT.
 - 2.) STAGGER NAILS IN 2 ROWS OF 9.



- NOTES:
1. FOR ITEMS NOT NOTED SEE PLANS.
 2. MINIMUM PANEL DIMENSION IS 2'-0"



- NOTES:
1. CLEARANCES PER PANEL MFR
 2. 3/8\"/>

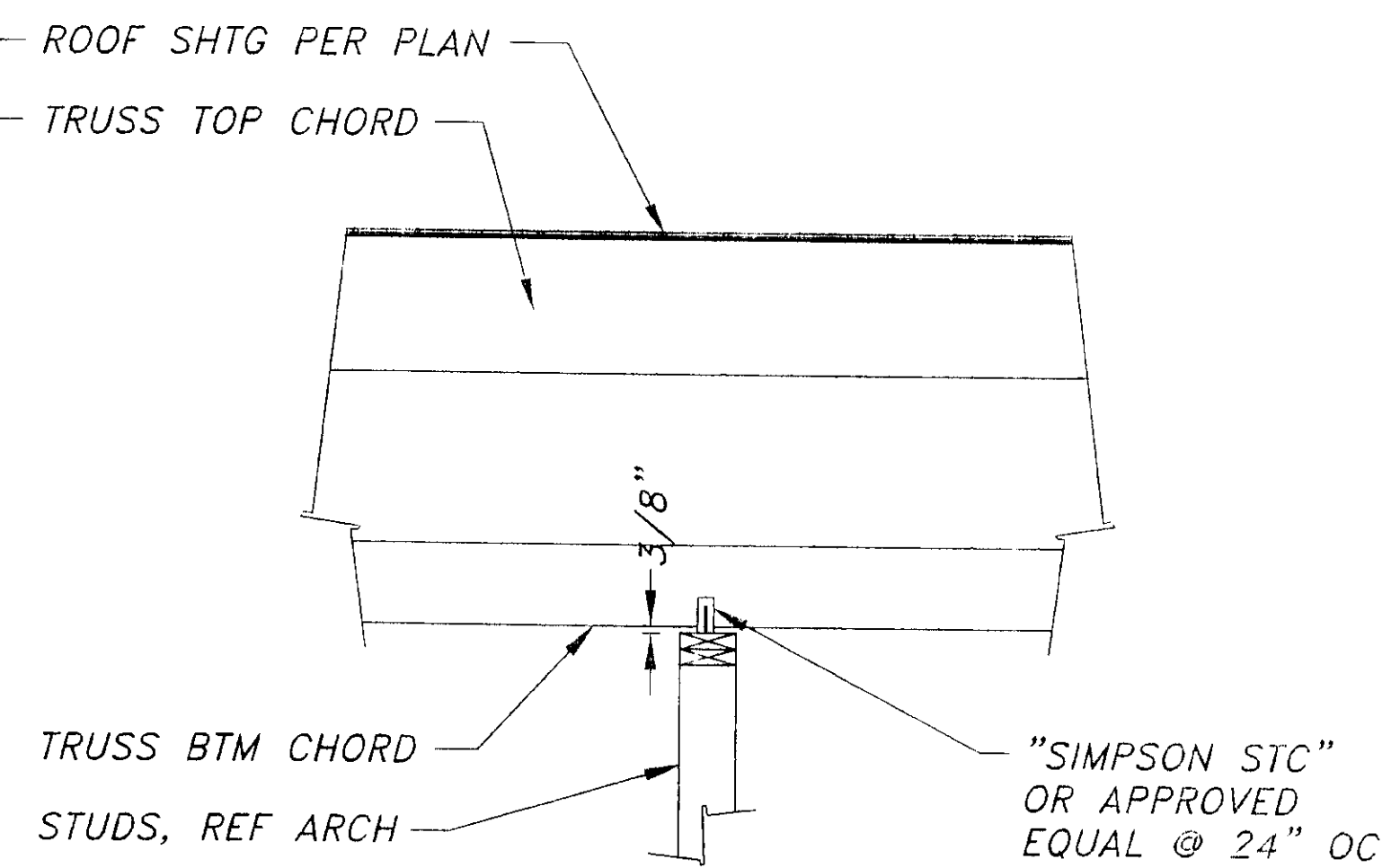
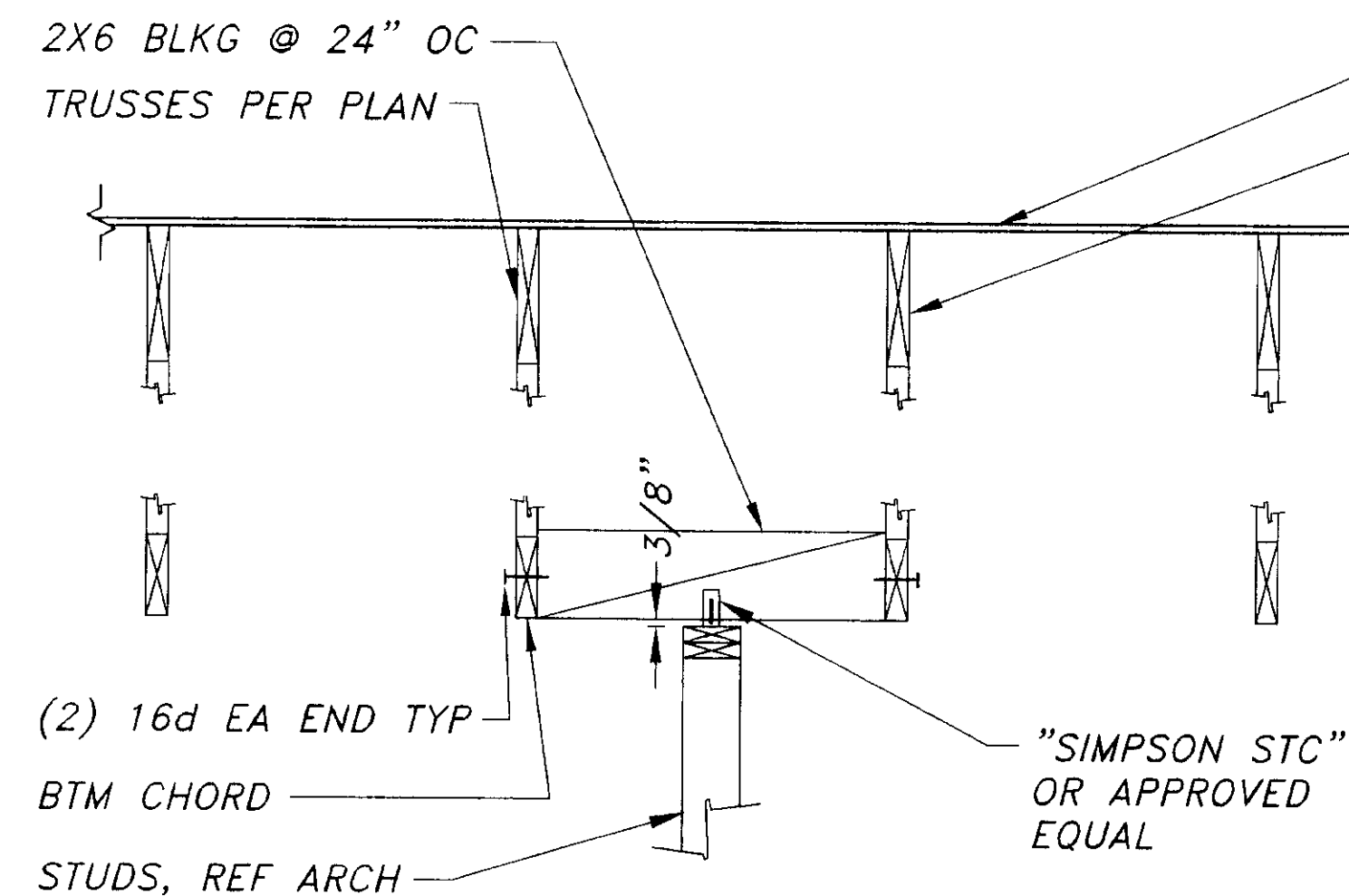
STUD OR RAFTER FRAMING

① STRAP-BEAM TO TOP PLATES

② TYPICAL PLATE SPLICE

③ TYP UNBLOCKED ROOF & DIAPHRAGMS
1/4\"/>

④ TYP WOOD STRUC SHEATHING NAILING
N.T.S.



⑤ NON-BEARING WALL PARALLEL TO JOISTS

⑥ NON-BEARING WALL PERP TO JOISTS

TH.	DATE:	DESCRIPTION OF CHANGE:

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E: 0M-471-7

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
TYPICAL DETAILS

ALASKA

DESIGNED BY:	M.C.S.	PROJECT NO.	71835
DRAWN BY:	D.S.	DATE:	JANUARY 19, 1999
CHECKED BY:	M.A.M.	SHEET	0-7 OF --

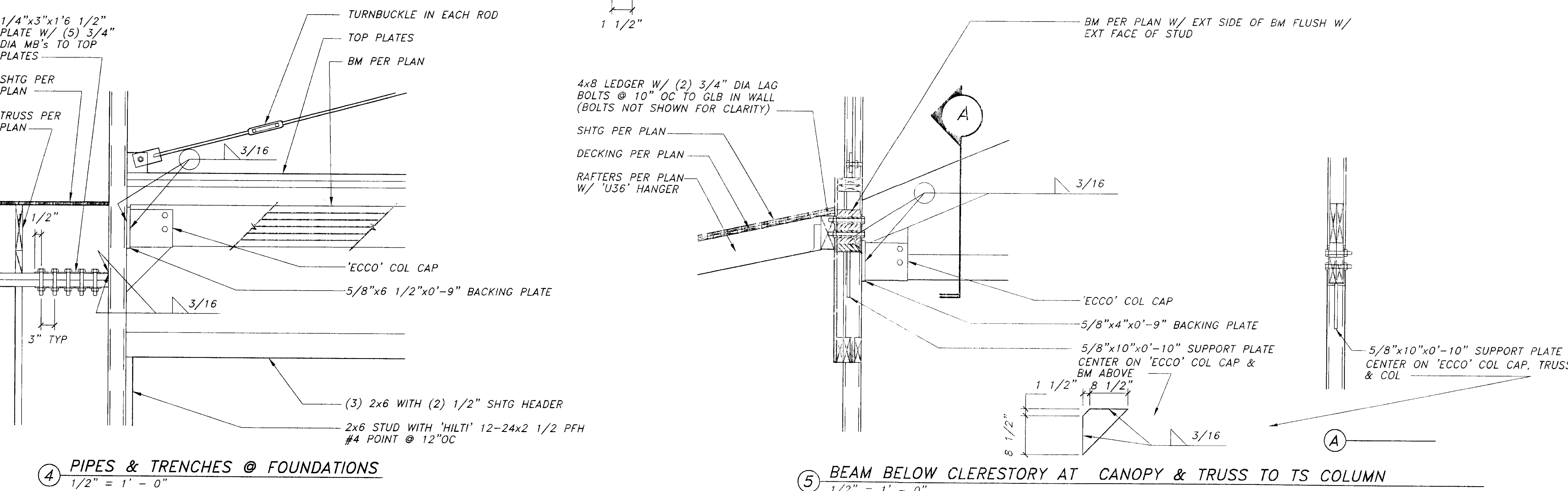
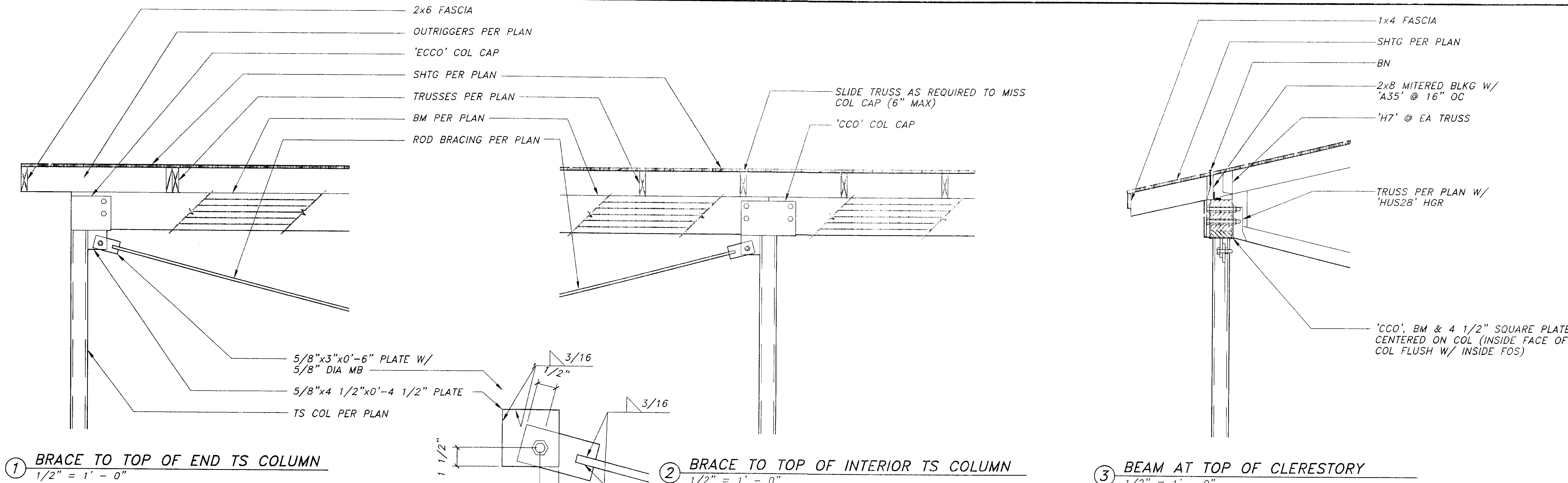
R & M ENGINEERING, INC.
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NOTE:
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ENGINEER'S SEAL

STATE OF ALASKA
49th
Michael C. Story
CE 6887
REGISTERED PROFESSIONAL ENGINEER



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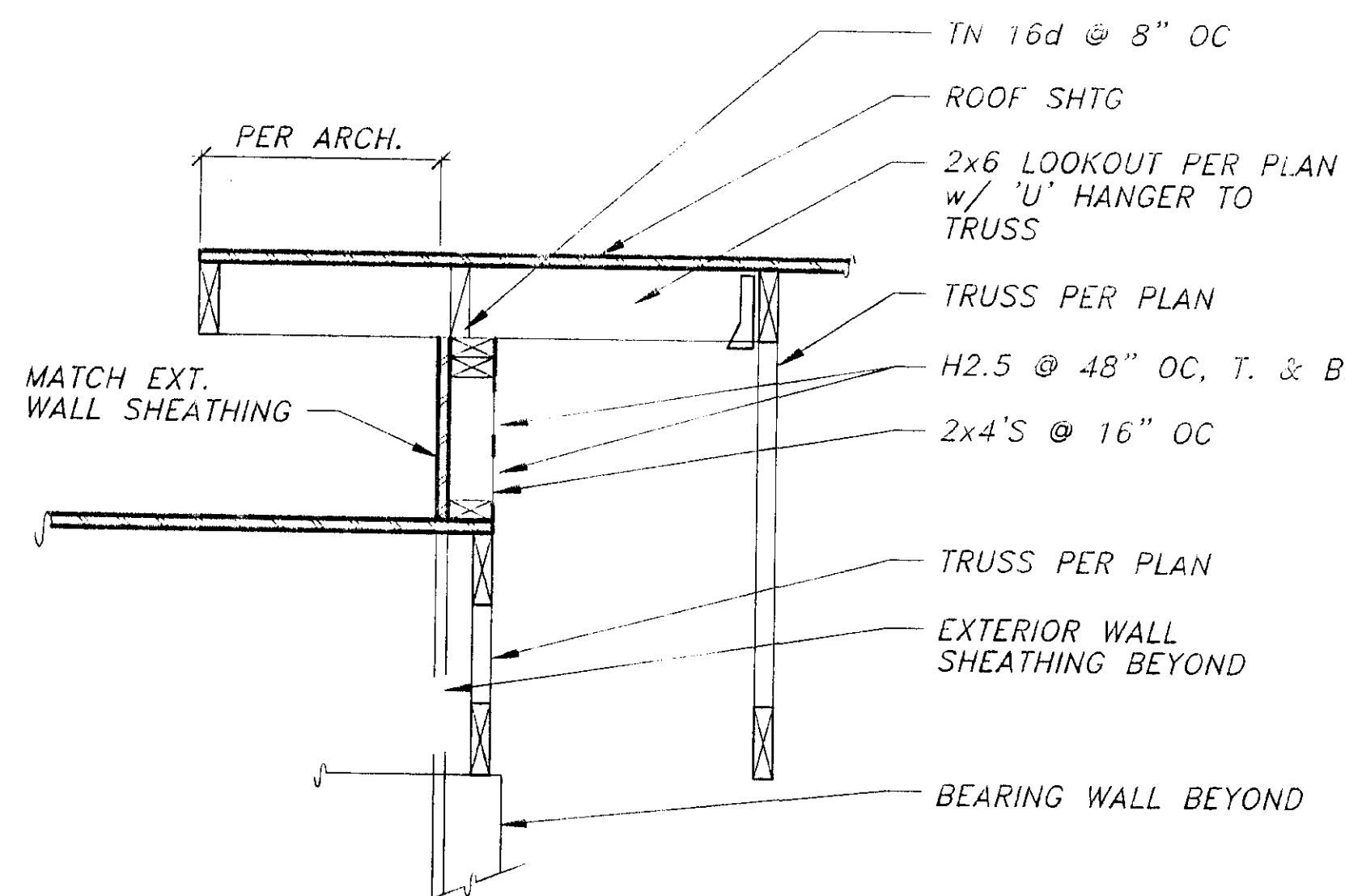
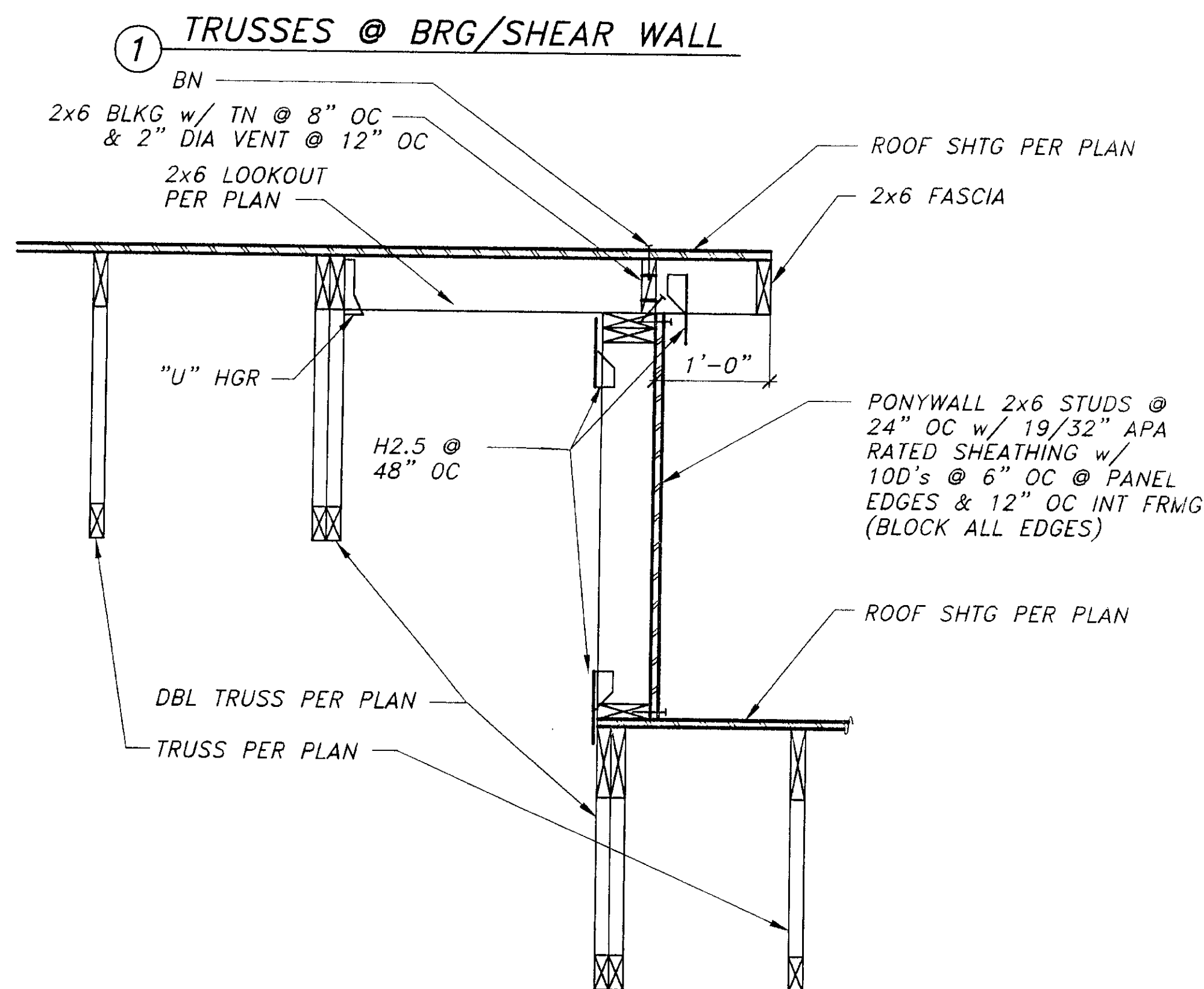
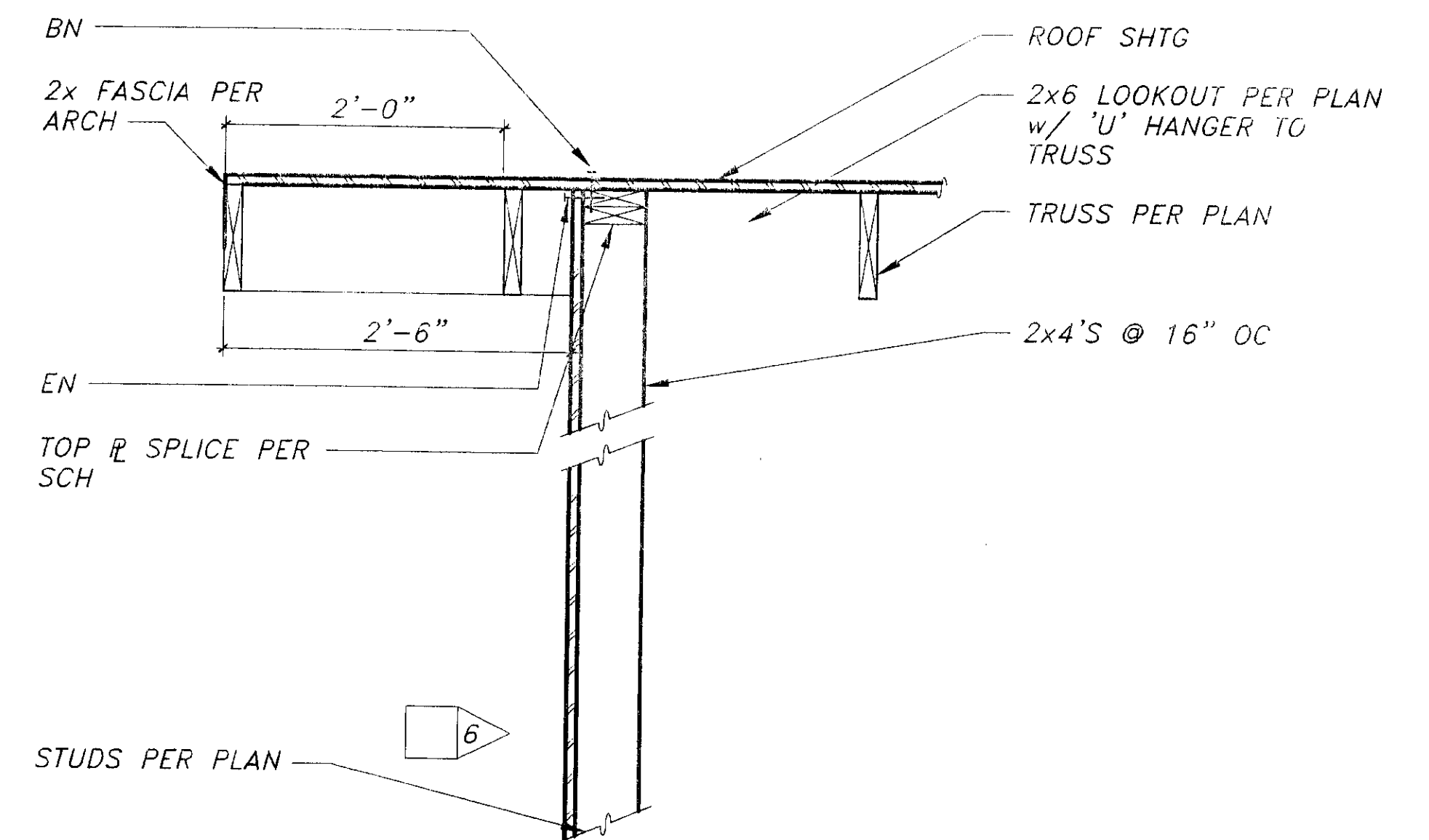
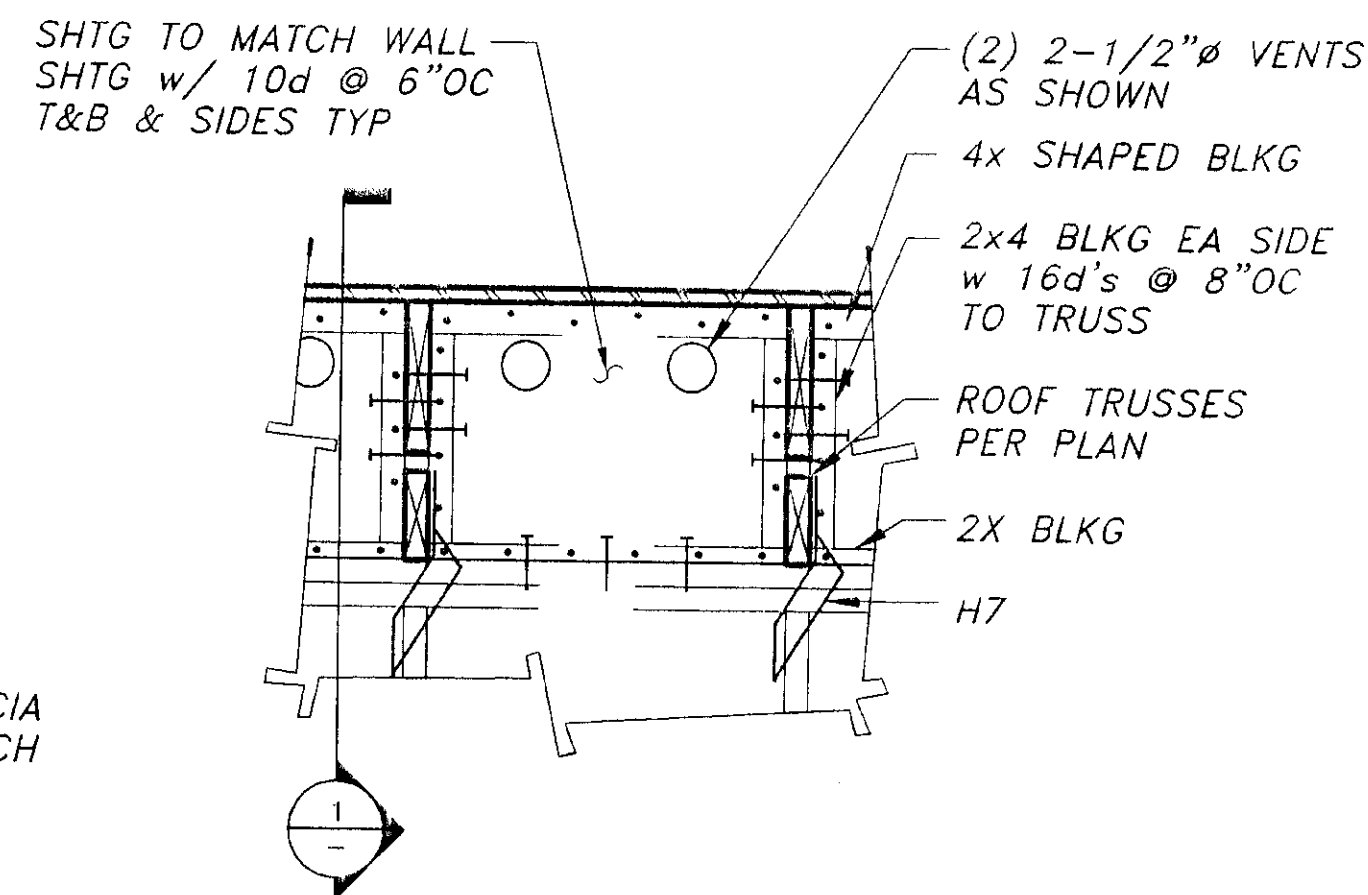
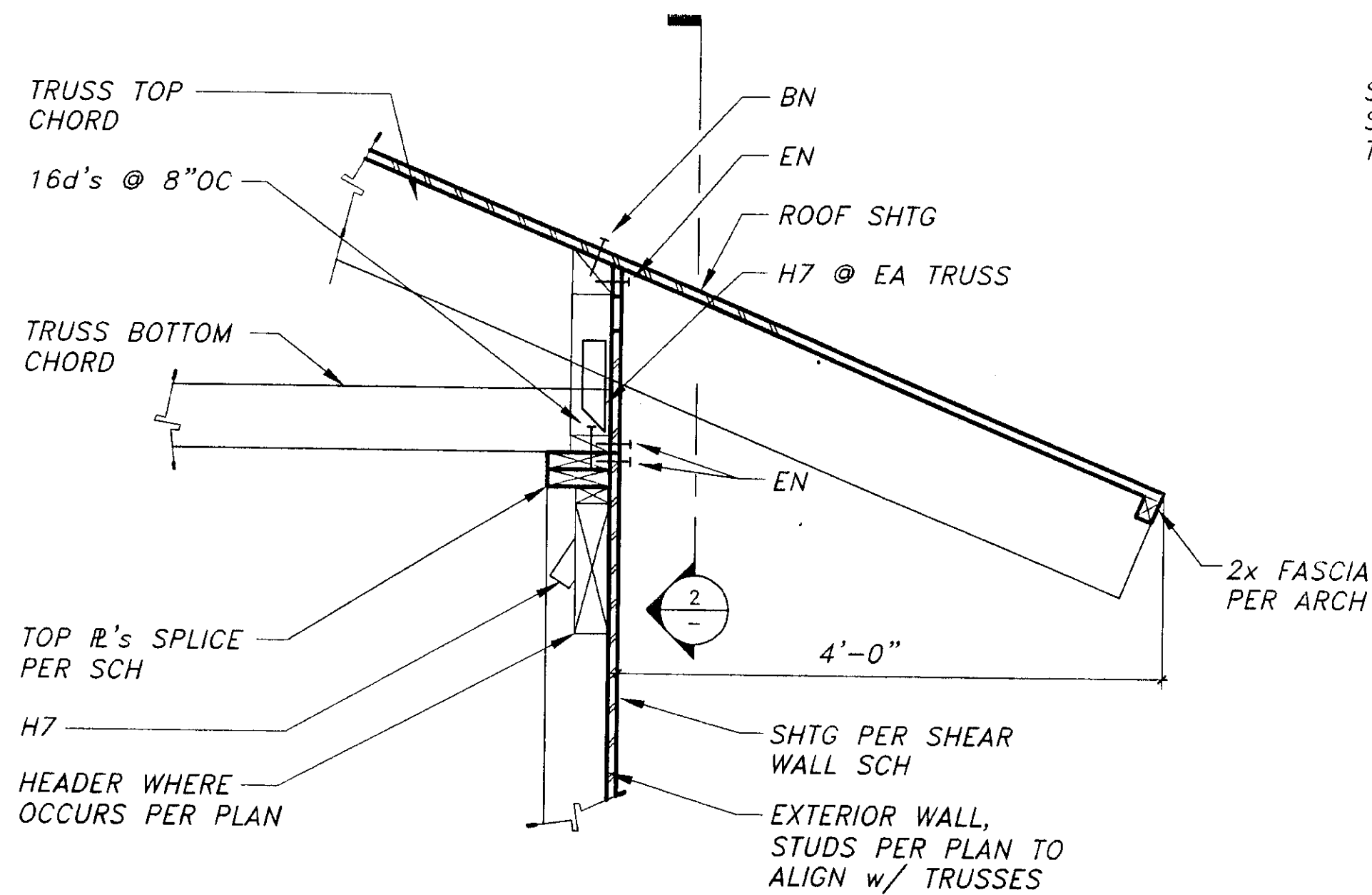
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ENGINEER'S SEAL

STATE OF ALASKA
MICHAEL C. STORY
CE 6887
REGISTERED PROFESSIONAL ENGINEER

DATE:	DESCRIPTION OF CHANGE:	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION DESIGN & CONSTRUCTION	SKAGWAY SKAGWAY AIR TERMINAL AIP # 3-02-0270-0399 STRUCTURAL STEEL DETAILS	ALASKA	DESIGNED BY: M.C.S.	PROJECT NO. 71835
					DRAWN BY: M.C.S.	DATE: JANUARUY 19, 1999
					CHECKED BY: M.A.M.	SHEET 0-8 OF --



⑤ PONYWALL @ LOWER TO UPPER ROOF

⑤ PONYWALL @ LOWER TO UPPER ROOF

DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

OM-471-9

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399

ROOF FRAMING DETAILS

ALASKA

DESIGNED BY:	M.C.S.	PROJECT NO.	71835
DRAWN BY:	D.S.	DATE:	JANUARY 19, 1999
CHECKED BY:	M.A.M.	SHEET	0-9 OF --

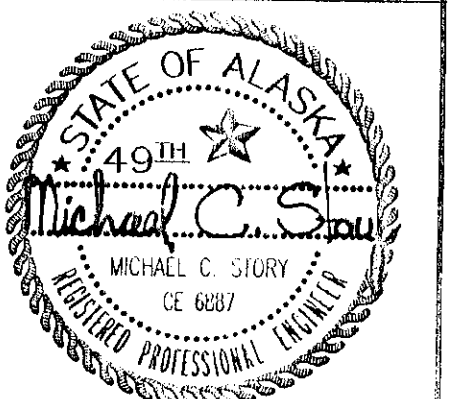
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ENGINEER'S SEAL



COIL	UNIT SERVED	SIZE (HxW)	CAPACITY (MBH)	WATER TEMPERATURES ENTERING LEAVING		AIR TEMPERATURES ENTERING LEAVING		FEATURES AND ACCESSORIES
HC-1	HRV	9x10	30	190°F	170°F	-10°F	80°F	TWO ROW, 8 FINS PER INCH. MAXIMUM FACE VELOCITY 550 FPM.
HC-2	CFH	18x18	50	190°F	170°F	50°F	90°F	TWO ROW, 8 FINS PER INCH. MAXIMUM FACE VELOCITY 550 FPM.

EQUIPMENT	MANUFACTURER AND MODEL	CAPACITY	FEATURES
BOILER	WEIL-McLAIN WTG0-6	190,000 BTU/HR NET IBR	CAST-IRON SECTIONAL, WITH IMMERSION HW COIL. COMPLETE PACKAGE INCLUDING LOW WATER CUTOFF, OPERATING THERMOSTAT CONTROL SET AT 200°F WITH 1-10°F DIFFERENTIAL, HIGH AND EXTRA LIMIT WITH MANUAL RESET THERMOSTATS, PRESSURE RELIEF VALVE, FLUE COLLAR WITH BREACHING DAMPER, AND BAROMETRIC DAMPER. SPARE PRESSURE RELIEF VALVE AND THERMOSTATS STORED IN MECHANICAL ROOM IN ORIGINAL PACKAGING.
BURNER	WEIL-McLAIN QB-180	1.75 GPH	115V, SINGLE-PHASE, NATURAL DRAFT. COMPLETE SET OF SPARE PARTS STORED IN MECHANICAL ROOM 110 IN ORIGINAL PACKAGING CONSISTING OF FAN MOTOR, OIL PUMP, COILING, HONEYWELL 8184- PROGRAMMER, TRANSFORMER, FLAME DETECTOR, SOLENOID VALVE, COMPLETE SET OF ELECTRODES, AND LIST OF SPARE PARTS.
CHIMNEY	METALBESTOS PS	-	7"Ø DOUBLE WALL CHIMNEY RATED FOR POSITIVE PRESSURE. STAINLESS STEEL CONSTRUCTION. CLEANOUT INSTALLED AT BOTTOM OF STACK WITH SUPPORT FLANGES AT PENETRATIONS. STAINLESS STEEL RAIN CAP ON TOP.
AIR ELIMINATOR	TACO 433 AMTROL 445	-	1-1/2" FLANGED CONNECTIONS WITH AUTOMATIC AIR VENT ON 3/4" TAPPING, UNIONS.
AUTOMATIC AIR VENT, AAV	HONEYWELL EA79	-	INSTALLED AT ALL HIGH POINTS IN HEATING SYSTEM WITH 3/4" SHUT OFF VALVE. DRAIN PIPED TO FLOOR AND SECURED.
EXPANSION TANK	AMTROL EXTROL SX-30V TACO CX30	MINIMUM TANK VOLUME: 8 GALLONS	FLOOR MOUNTED.
OIL TANK	FLUID CONTAINMENT XERXES	1,100 GALLONS	UNDERGROUND DOUBLE WALL FIBERGLASS TANK
UNIT HEATER, UH	DUNHAM BUSH H250C AIRTHERM HU-39	28 MBH @ 200°F EWT, 20°F TEMP. DIFFERENCE	HORIZONTAL BLOW, 4-WAY HORIZONTAL DISCHARGE. SUSPENDED FROM WALL BRACKET OR HUNG FROM STRUCTURE.
FINNED PIPE, FP	VULCAN LINOVECTOR STYLE DF DUNHAM BUSH 4HS	1000 BTU/HR-FT NET WATER AT 180°F AVE. WATER TEMP.	4-1/4"x4-1/4" COPPER/ALUMINUM FINNED ELEMENT WITH MAXIMUM 40 FINS PER FOOT AND 1-1/4-INCH DIAMETER TUBE. LENGTH SHOWN ON PLANS IS FINNED LENGTH ONLY. WALL SUPPORTS EVERY 3 FEET. L-SHAPED SHEET METAL INSTALLED ABOVE ENTIRE CORE TO PREVENT AIR FROM BYPASSING CORE. I-B=B R APPROVED RATING.
CONVECTOR, CV	DUNHAM BUSH SH & MH AIRTHERM TYPE S & FR	CV-1: MINIMUM 2.2 MBH CV-2: MINIMUM 2.1 MBH	CV-1 TO BE SLOPING TOP, WALL HUNG, 18 GAGE STEEL, 14"HIGH x 4"DEEP, LENGTH DEPENDENT ON CAPACITY. COLOR SELECTED BY ARCHITECT. CV-2 TO BE FULLY RECESSED, 18 GAGE STEEL, 4 SIDE OVERLAP AND INLET GRILLE 20"HIGH x 6"DEEP x 20"LONG. COLOR SELECTED BY ARCHITECT.

EQUIPMENT	FUNCTION	GPM	HEAD, FT	DESIGN MANUFACTURER AND MODEL	MINIMUM HORSEPOWER ELECTRICAL CHARACTERISTICS	FEATURES
P-1	HEATING SYSTEM	13.0	25	TACO 1615 B&G SERIES 60, 1AA	1/3 HP, 115V / SINGLE-PHASE	IN-LINE, TRIMMED IMPELLER, PUMP, PIPE MOUNTED. COMPLETE SPARE PUMP PROVIDED AND STORED IN MECHANICAL ROOM.
P-2	HEATING SYSTEM	13.0	25	TACO 1615 B&G SERIES 60, 1AA	1/3 HP, 115V / SINGLE-PHASE	IN-LINE, TRIMMED IMPELLER, PUMP, PIPE MOUNTED.
P-3	HRV COIL	10.0	8	TACO 008	1/25 HP, 115V / SINGLE-PHASE	CARTRIDGE PUMP, PIPE MOUNTED. NO SPRING TYPE COUPLINGS.

EQUIPMENT	AREA SERVED	CFM	STATIC PRESSURE INCHES OF WATER	DESIGN MANUFACTURER AND MODEL	MIN. HP	VOLTS / PHASE	FEATURES AND ACCESSORIES
HRV	BUILDING VENTILATION	1100	1.40	BOSSAIRE BX1-243-18-HC SIMILAR HEATEX	3/4	240V / SINGLE-PHASE	FLAT PLATE CROSS FLOW ALUMINUM HEAT EXCHANGER. UNIT CONSTRUCTED OF 16 GAGE PAINTED GALVANIZED STEEL WITH INSULATED WALL PANELS 2 INCHES THICK. SEALED CONDENSATE PANS WITH DRAIN CONNECTIONS. SUPPLY AND EXHAUST FANS TO BE FORWARD CURVED BELT DRIVEN. HEATING COIL, SUPPLY AND EXHAUST FILTERS, FROST CONTROL AND FRESH AIR BYPASS DAMPERS. NO MIXING OF SUPPLY AND EXHAUST AIR ALLOWED. SINGLE ELECTRICAL CONNECTION WITH INTERNAL POWER AND CONTROL WIRING. LOW LIMIT FAN SHUT OFF CONTROL ON DISCHARGE OF COIL.
CFH	ENTRY	300	0.875	PACE SCF-57A SIMILAR GAYLORD	1/4	120V / SINGLE-PHASE	SMALL CABINET FAN, INTERNALLY ISOLATED, CENTRIFUGAL FORWARD CURVED FAN, WITH FLAT FILTER BANK FOR 2" 30% EFFICIENT, CLASS II, PLEATED FILTERS. 1" THICK 1-1/2 LB INSULATED WALLS. HOUSING TO CONSIST OF PRIME COATED 16 GAGE GALVANIZED. HOUSING, HINGED SIDE ACCESS DOOR WITH HEAVY DUTY HANDLES FOR FAN AND FILTER ACCESS. HEATING COIL WITH HEADERS.
LOUVERS	-	-	-	RUSKIN ELF 811 DD SIMILAR CARNES	-	-	EXTRUDED ALUMINUM, 4 INCHES DEEP, DRAINABLE BLADE, BIRD SCREEN, KYNAR FINISH.

ATH: .		
DATE:	DESCRIPTION OF CHANGE:	

RECORD OF REVISIONS

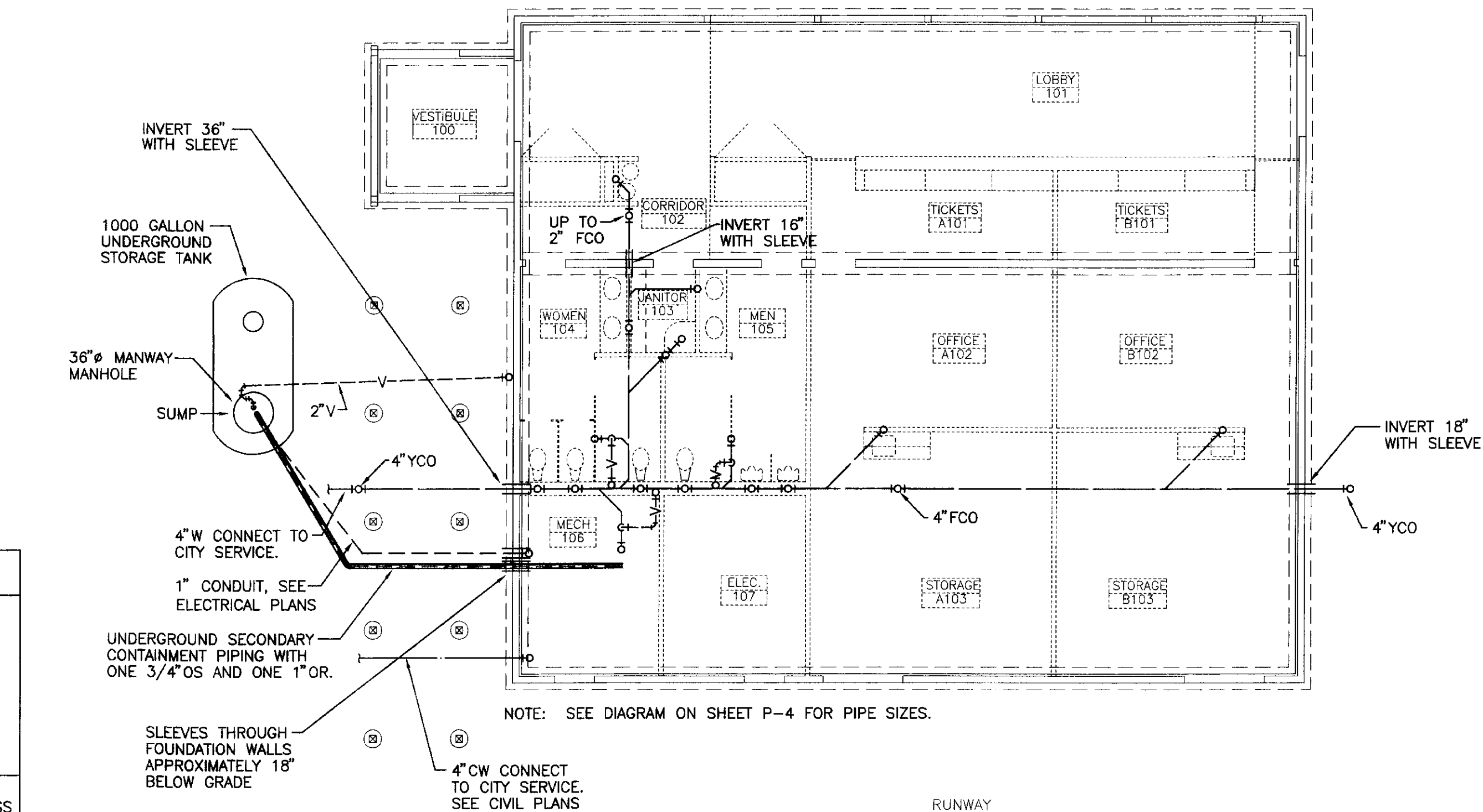
SKAGWAY

FOUNDATION PLAN, SCHEDULES & SYMBOLS

SHEET P-1 OF 5

STATE OF ALASKA
49th
DOUGLAS H. MURRAY
ME 7870
EXPIRATION DATE: 12-31-99

RL	REFRIGERANT LIQUID		P-1	PUMP	AAV	AUTOMATIC AIR VENT
RS	REFRIGERANT SUCTION			SAFETY OR RELIEF VALVE	AC	AIR CONDITIONING UNIT
RL	ROOF DRAIN LEADER			THERMOSTAT - IMMERSION, ROOM	AHU	AIR HANDLING UNIT
HS	HEATING SUPPLY			THERMOMETER	B	BUTTERFLY DAMPER
HR	HEATING RETURN			PRESSURE GAGE	BFP	BACK FLOW PREVENTER
CW	COLD WATER			CONTROL SWITCH	C	COMMON
HW	HOT WATER			PRESSURE SWITCH	CUH	CABINET UNIT HEATER
V	VENT			SOUND ATTENUATED DUCT	DV	DRAIN VALVE
W	WASTE, DRAINAGE			INSULATED DUCT	EA	EXHAUST AIR
OS	OIL SUCTION			BUTTERFLY DAMPER	EAD	EXHAUST AIR DAMPER
OR	OIL RETURN			AIR VOLUME	EF	EXHAUST FAN
DSPR	DRY SPRINKLER			DIFFUSER/GRILLE SIZE	FCO	FLOOR CLEANOUT
				DIFFUSER/GRILLE TYPE	FD	FLOOR DRAIN
				SQUARE TO ROUND DUCT TRANSITION	FLD	FUSIBLE LINK DAMPER
				ACCESS DOOR	FP	FINNED PIPE
				TO CONNECT TO EXISTING	FRD	FIRE-RATED DAMPER
				EXISTING	HC	HEATING COIL
				ACCESS PANEL	HRV	HEAT RECOVERY VENTILATOR
				TO BE REMOVED	IEW	IN ELECTRICAL WORK
				DIAMETER	L	LAVATORY
				DIAMETER	MAV	MANUAL AIR VENT
				DIAMETER	MBH	1,000 BTU PER HOUR
				DIAMETER	NC	NORMALLY CLOSED
				DIAMETER	NO	NORMALLY OPEN
				DIAMETER	OAD	OUTSIDE AIR DAMPER
				DIAMETER	OB	OPPOSED BLADE DAMPER
				DIAMETER	OSA	OUTSIDE AIR
				DIAMETER	RA	RETURN AIR
				DIAMETER	RAD	RECIRCULATING AIR DAMPER
				DIAMETER	RD	ROOF DRAIN
				DIAMETER	S-1	SINK
				DIAMETER	SS	SERVICE SINK
				DIAMETER	S.S.	SANITARY SEWER
				DIAMETER	T&P	TEMPERATURE AND PRESSURE
				DIAMETER	UH	UNIT HEATER
				DIAMETER	VTR	VENT THROUGH ROOF
				DIAMETER	WC	WATER CLOSET
				DIAMETER	WCO	WALL CLEANOUT
				DIAMETER	WH	WALL HYDRANT
				DIAMETER	WHA	WATER HAMMER ARRESTOR
				DIAMETER	YCO	YARD CLEANOUT



GRAPHICAL SCALE IN FEET

0 5 10 20

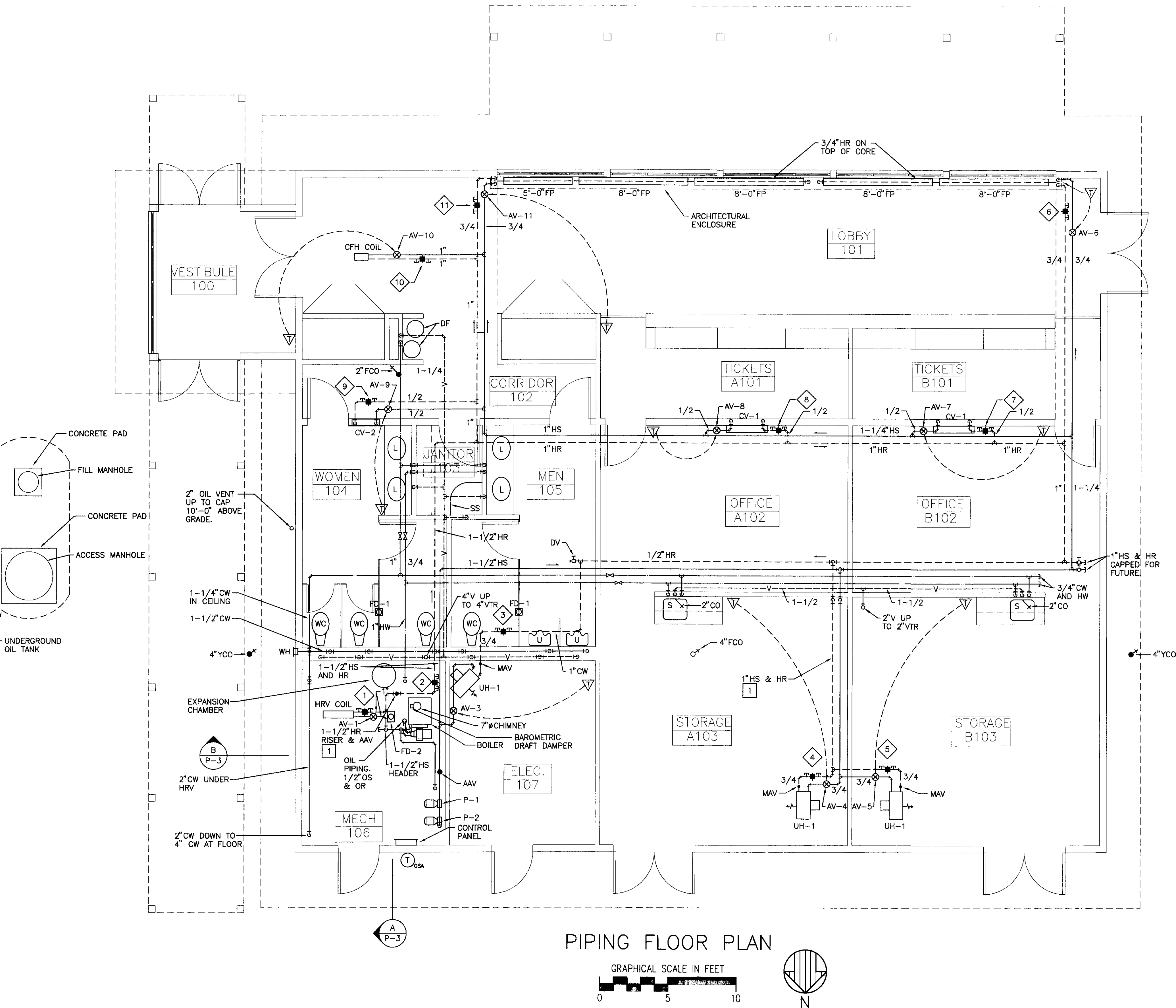


SHEET NOTE

1. SEE DIAGRAMS ON SHEET P-4 AND DETAILS ON P-5 FOR PIPING CONFIGURATION, ALL VALVES AND TRIM REQUIRED AND INSTALLATION NOTES. COORDINATE DIAGRAM AND DETAIL REQUIREMENTS WITH FLOOR PLANS OF MECHANICAL SYSTEMS AND ALL OTHER DISCIPLINES TO MAINTAIN MAXIMUM EFFICIENCY OF SPACE, ACCESSIBILITY FOR MAINTENANCE, AND A SAFE INSTALLATION OF MECHANICAL EQUIPMENT, PIPING AND DUCTWORK.

CONSTRUCTION NOTE

- 1 PIPING INSTALLED EXPOSED AND AS HIGH AS POSSIBLE.



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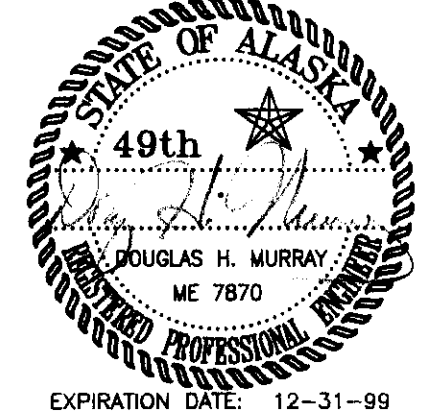
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SKAGWAY

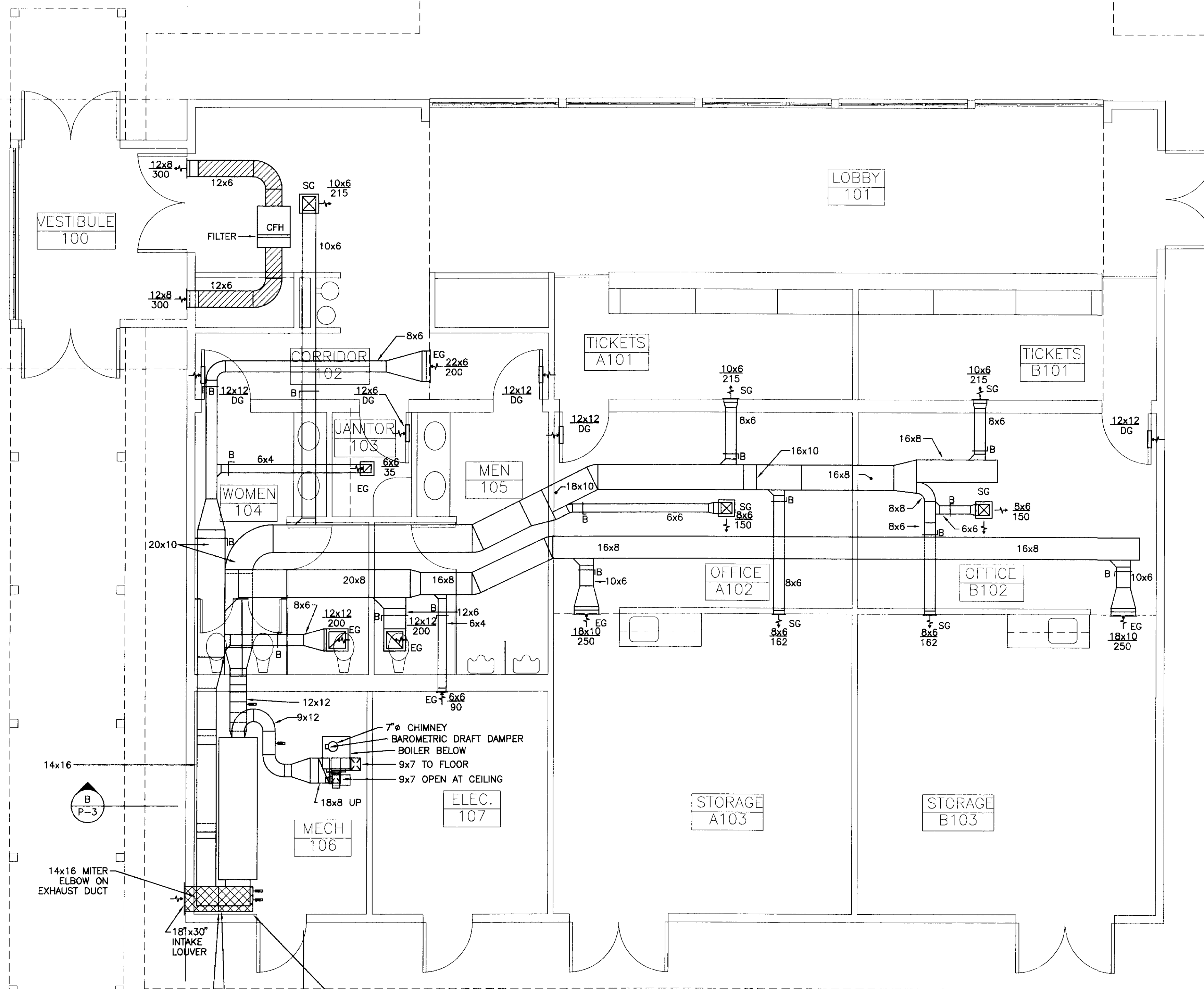
SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0397
PIPING FLOOR PLAN

ALASKA

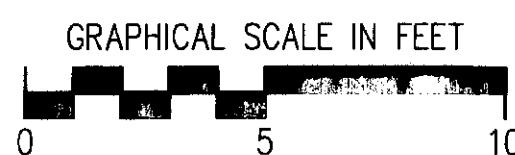
DESIGNED BY: DM	PROJECT NO. 71835
DRAWN BY: RB	DATE: 1-20-99
CHECKED BY: DM	SHEET P-2 OF 5

CONSTRUCTION NOTE:

- 9"x7" MITER ELBOW POINTING AWAY FROM BOILER AT CEILING.
- SEE PIPING DIAGRAM ON P-4 FOR COMPLETE PIPING ARRANGEMENT.

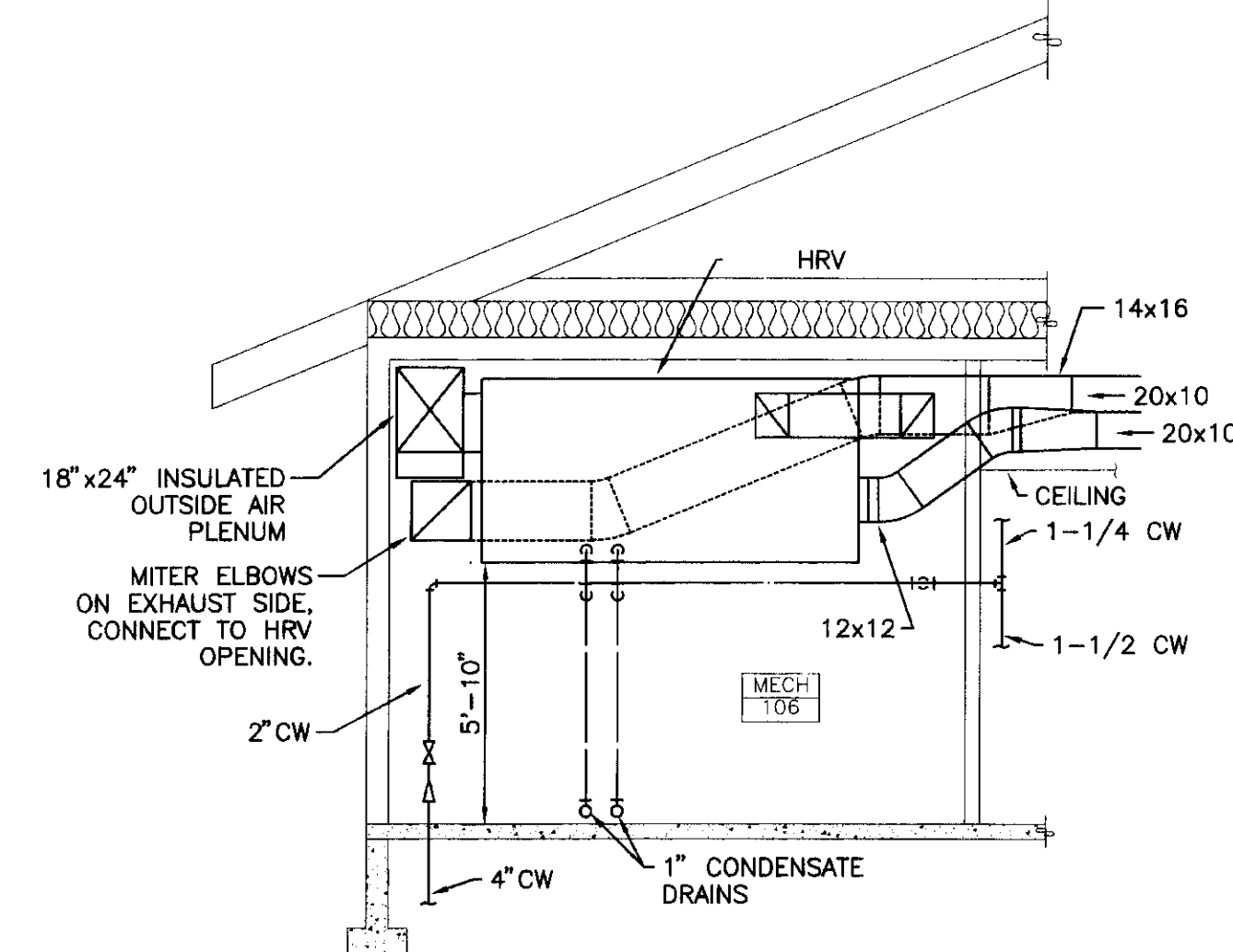


DUCTWORK FLOOR PLAN

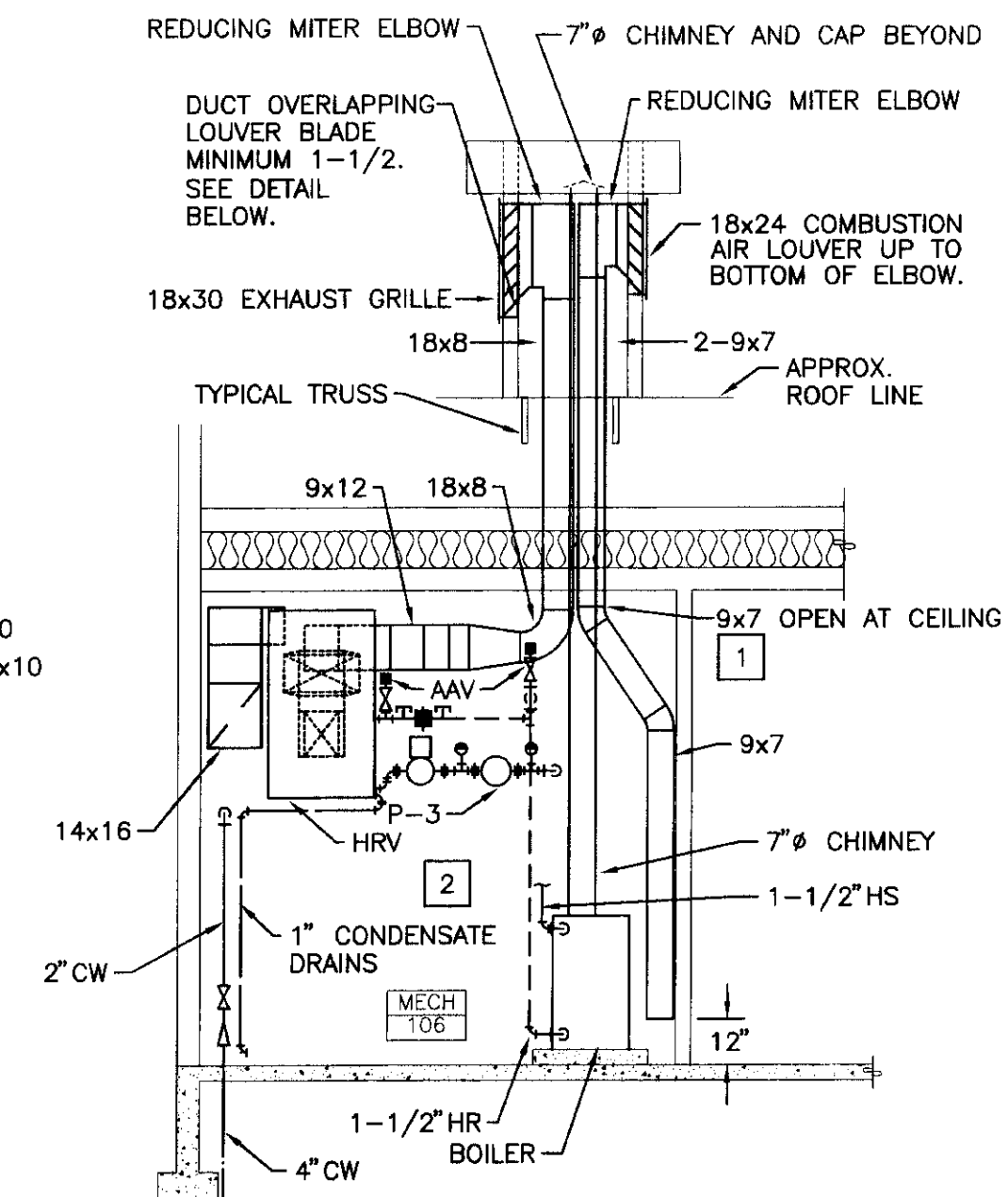
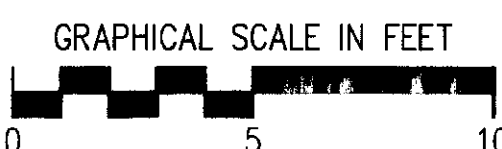


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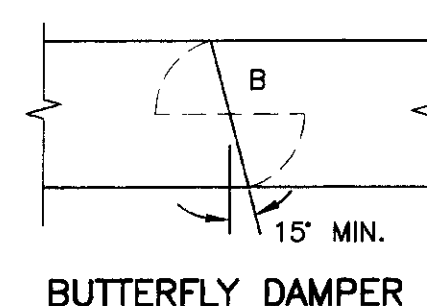
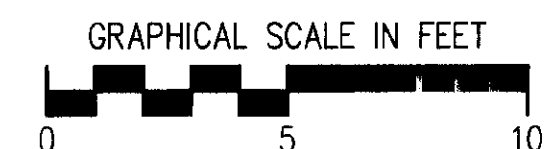
- DOOR GRILLES PROVIDED AND INSTALLED UNDER GENERAL WORK. COORDINATE SIZES WITH GENERAL CONTRACTOR.



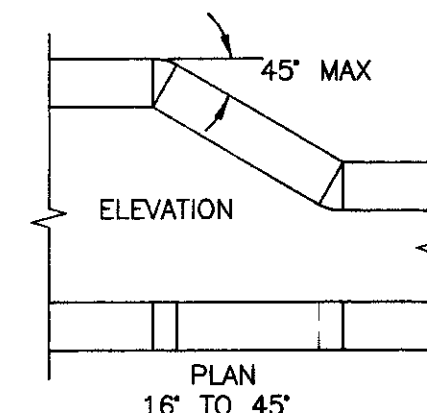
MECHANICAL ROOM SECTION



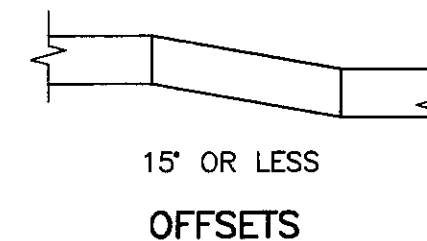
MECHANICAL ROOM SECTION



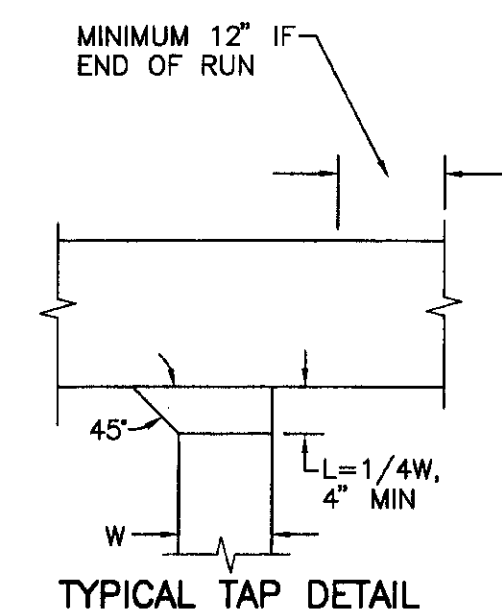
BUTTERFLY DAMPER



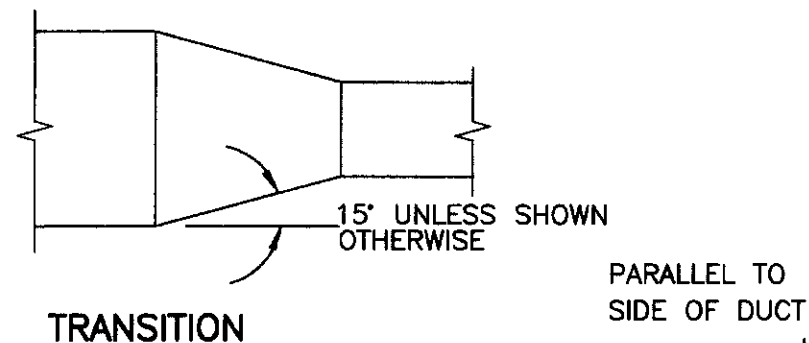
ELEVATION



TRANSITION



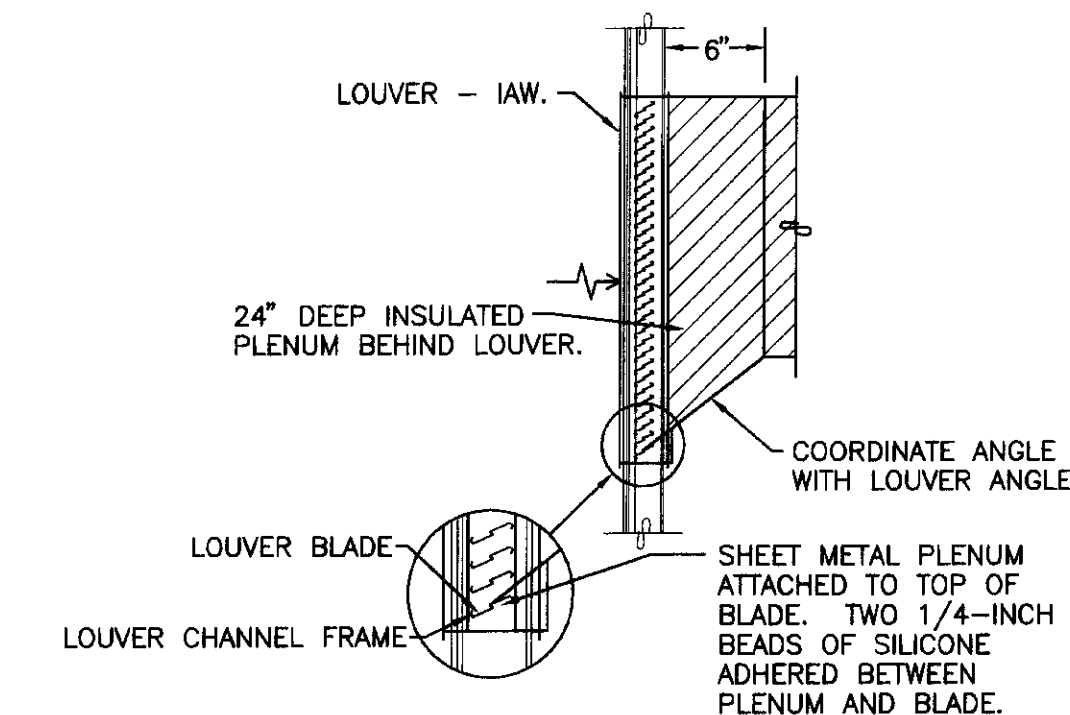
TYPICAL TAP DETAIL



SQUARE MITER ELBOW

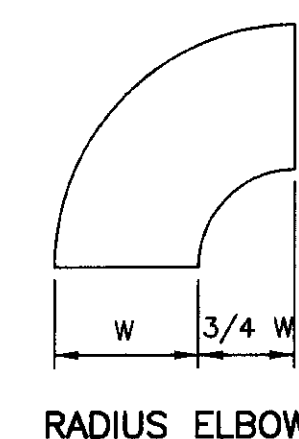
TYPICAL DETAILS OF DUCT CONSTRUCTION

NO SCALE



LOUVER CONNECTION DETAIL

NO SCALE



RADIUS ELBOW

MURRAY & ASSOCIATES, P. C.
CONSULTING ENGINEERS

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JUNEAU, ALASKA 99802
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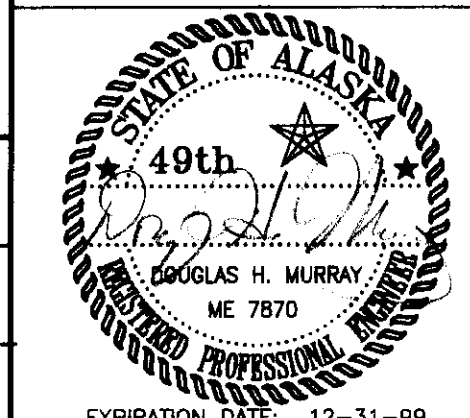
Jensen Yorba Lott Inc.

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Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jyl@alaska.net

NOTE:

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

ENGINEER'S SEAL



EXPIRATION DATE: 12-31-99

DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

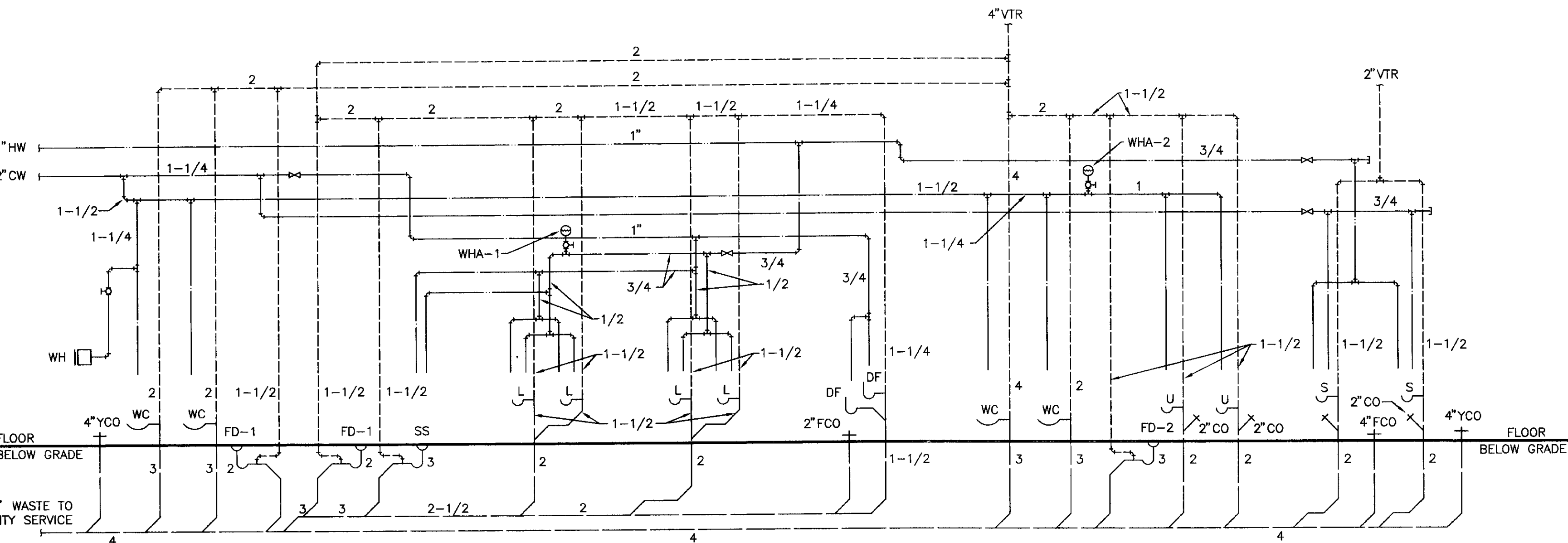
SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0397

DUCTWORK FLOOR PLAN

ALASKA

DESIGNED BY: DM	PROJECT NO. 71835
DRAWN BY: RB, BR	DATE: 1-20-99
CHECKED BY: DM	SHEET P-3 OF 5



PLUMBING DIAGRAM
NO SCALE

PLUMBING FIXTURE SCHEDULE

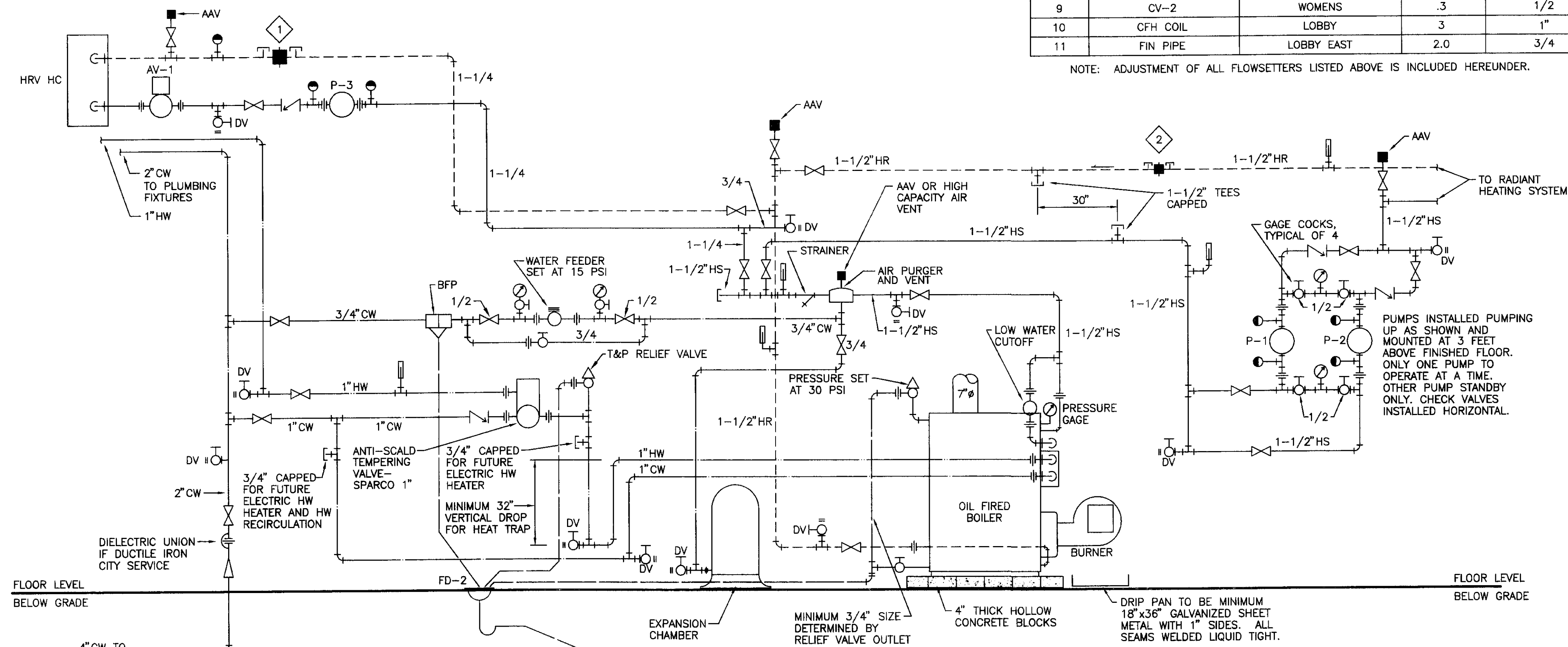
FIXTURE	HOT WATER	COLD WATER	WASTE	VENT
WATER CLOSET, WC	—	1-1/4	3	2
LAVATORY, L	1/2	1/2	1-1/2	1-1/2
SINK, S	1/2	1/2	2	1-1/2
SERVICE SINK, SS	1/2	1/2	3	1-1/2
FLOOR DRAIN, FD-1	—	—	2	1-1/2
FLOOR DRAIN, FD-2	—	—	3	1-1/2
DRINKING FOUNTAIN, DF	—	—	1-1/2	1-1/4
URINAL	—	1"	2	1-1/2
WALL HYDRANT, WH	—	3/4	—	—

NOTE: SIZES ARE MINIMUM. SEE PLAN AND DIAGRAMS FOR DIFFERENT SIZE IF SHOWN.

AUTOMATIC VALVE AND FLOWSETTER SCHEDULE

NO.	UNIT SERVED	LOCATION	DESIGN GPM	SETTER SIZE (INCHES)	VALVE PRESSURE DROP - PSI	VALVE TYPE	VALVE OPERATION	NORMAL POSITION
1	HRV COIL	MECH. ROOM	10	1-1/4	1-2.5	TWO WAY	MODULATING	OPEN
2	BUILDING RADIATION	MECH. ROOM	13	1-1/2	—	—	—	—
3	UH-1	ELEC. ROOM	2.4	3/4	1-2.5	TWO WAY	POSITIVE	OPEN
4	UH-1	STORAGE A103	2.4	3/4	1-2.5	TWO WAY	POSITIVE	OPEN
5	UH-1	STORAGE B103	2.4	3/4	1-2.5	TWO WAY	POSITIVE	OPEN
6	FIN PIPE	LOBBY WEST	1.8	3/4	1-2.5	TWO WAY	POSITIVE	OPEN
7	CV-1	OFFICE B102	.2	1/2	1-2.5	TWO WAY	POSITIVE	OPEN
8	CV-1	OFFICE A102	.2	1/2	1-2.5	TWO WAY	POSITIVE	OPEN
9	CV-2	WOMENS	.3	1/2	1-2.5	TWO WAY	POSITIVE	OPEN
10	CFH COIL	LOBBY	3	1"	1-2.5	THREE WAY	POSITIVE	OPEN
11	FIN PIPE	LOBBY EAST	2.0	3/4	1-2.5	TWO WAY	POSITIVE	OPEN

NOTE: ADJUSTMENT OF ALL FLOWSETTERS LISTED ABOVE IS INCLUDED HEREUNDER.



HEATING PIPING DIAGRAM
NO SCALE

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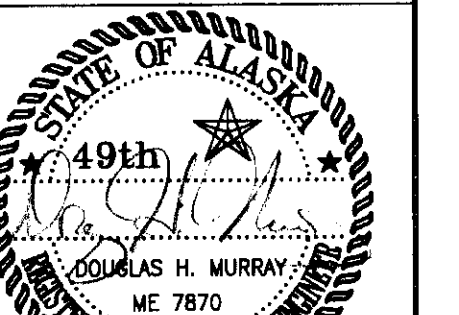
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ENGINEER'S SEAL



EXPIRATION DATE: 12-31-99

DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0397

PIPING DIAGRAMS

ALASKA

DESIGNED BY: DM

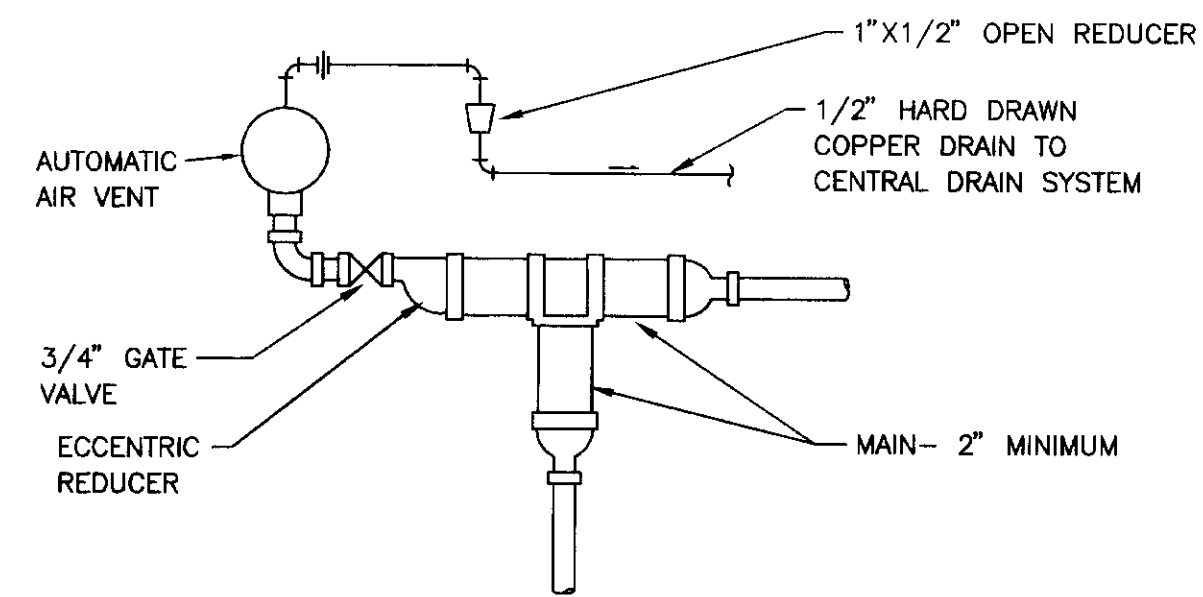
DRAWN BY: RB, BR

CHECKED BY: DM

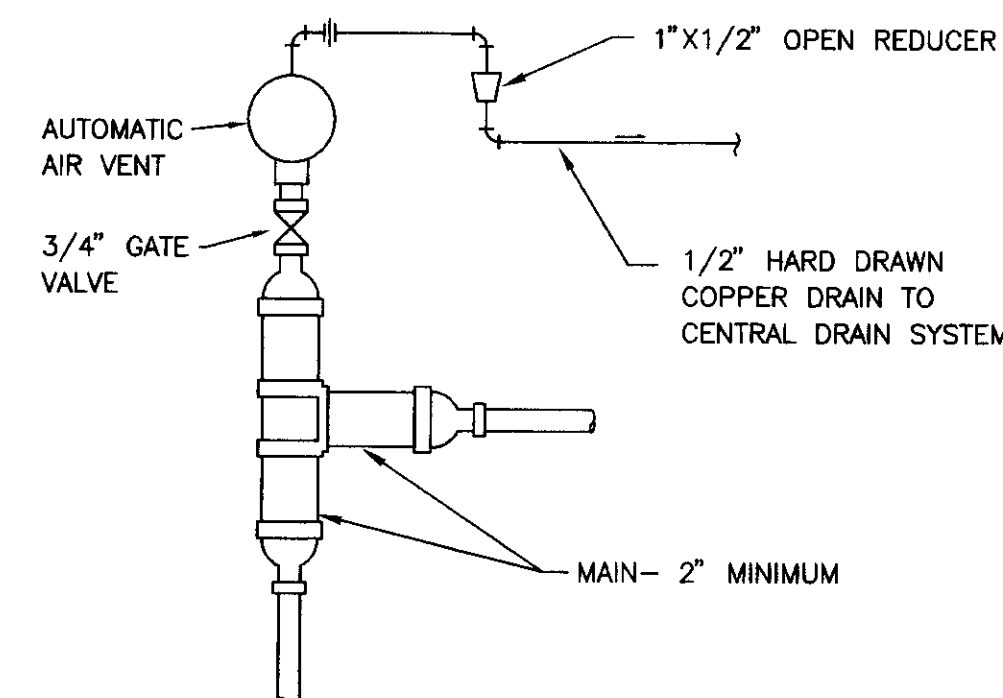
PROJECT NO.
71835

DATE:
1-20-99

SHEET P-4 OF 5

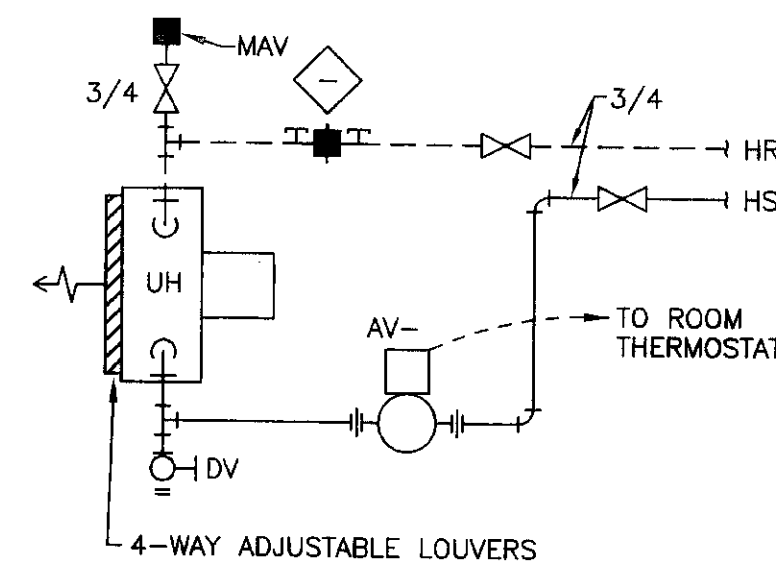


RESTRICTED ARRANGEMENT

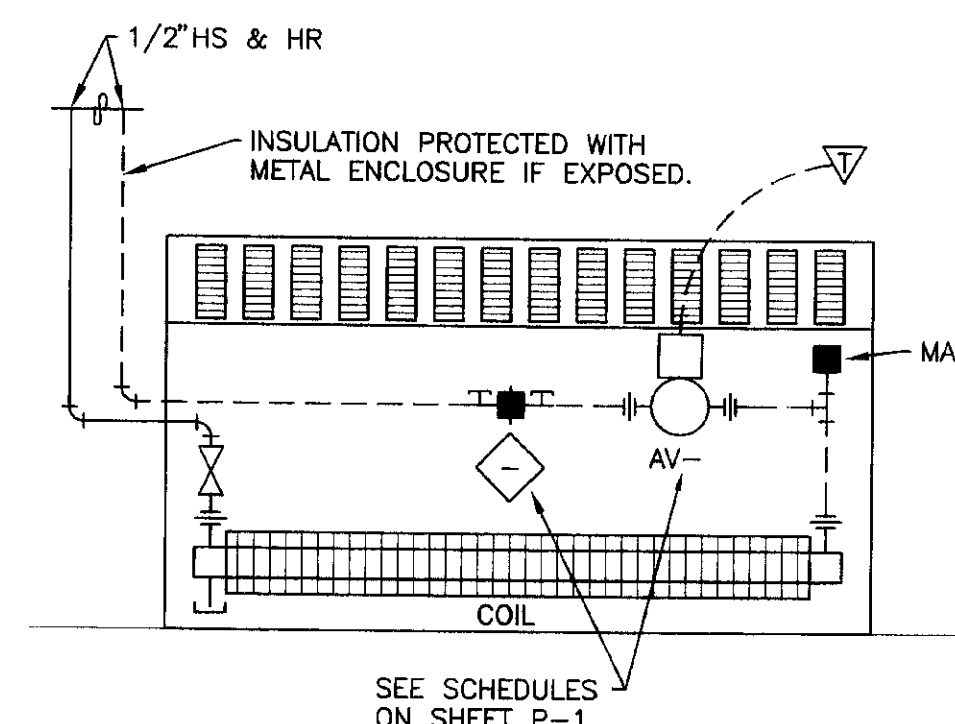


UPRIGHT ARRANGEMENT

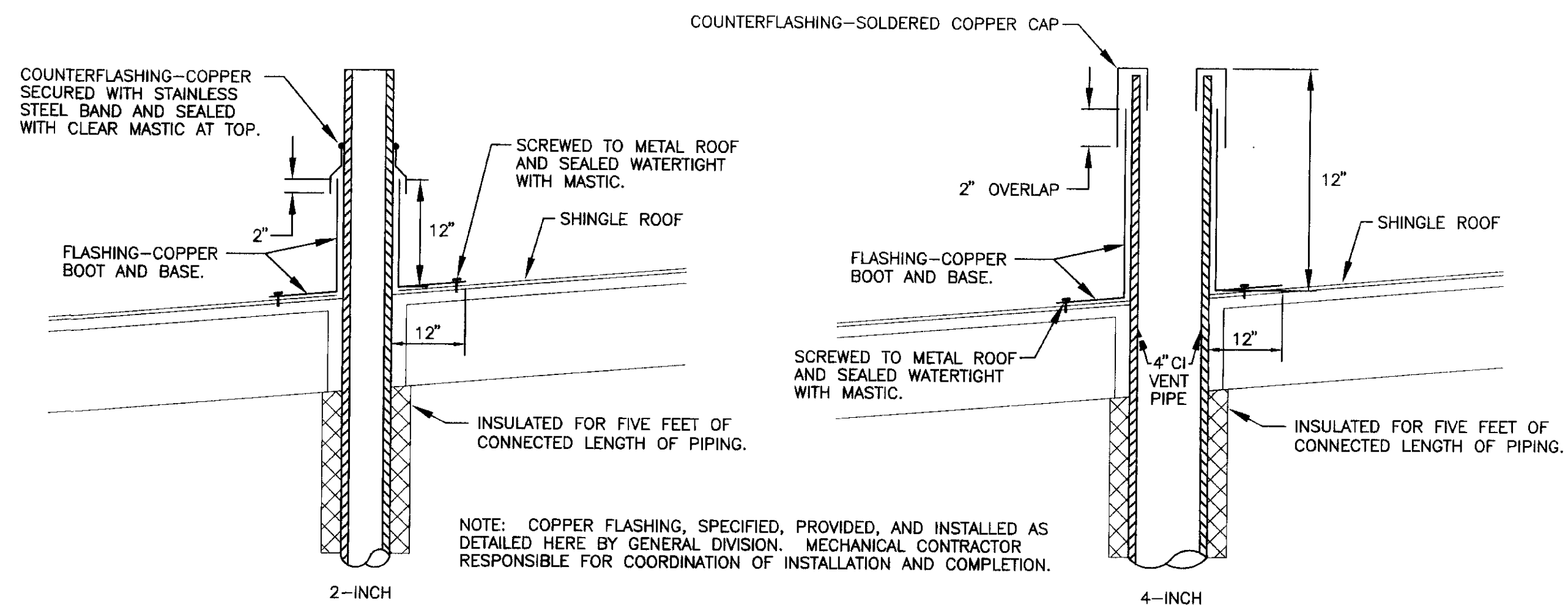
AUTOMATIC AIR VENT
DETAIL
NO SCALE



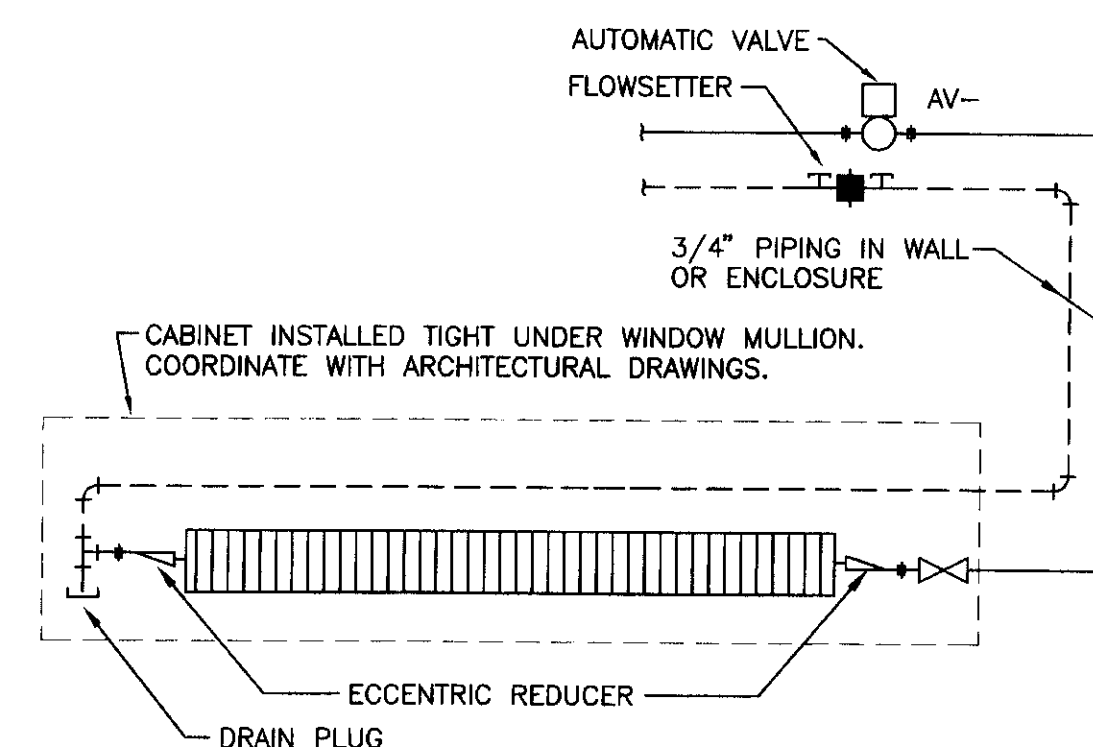
UH DETAIL
NO SCALE



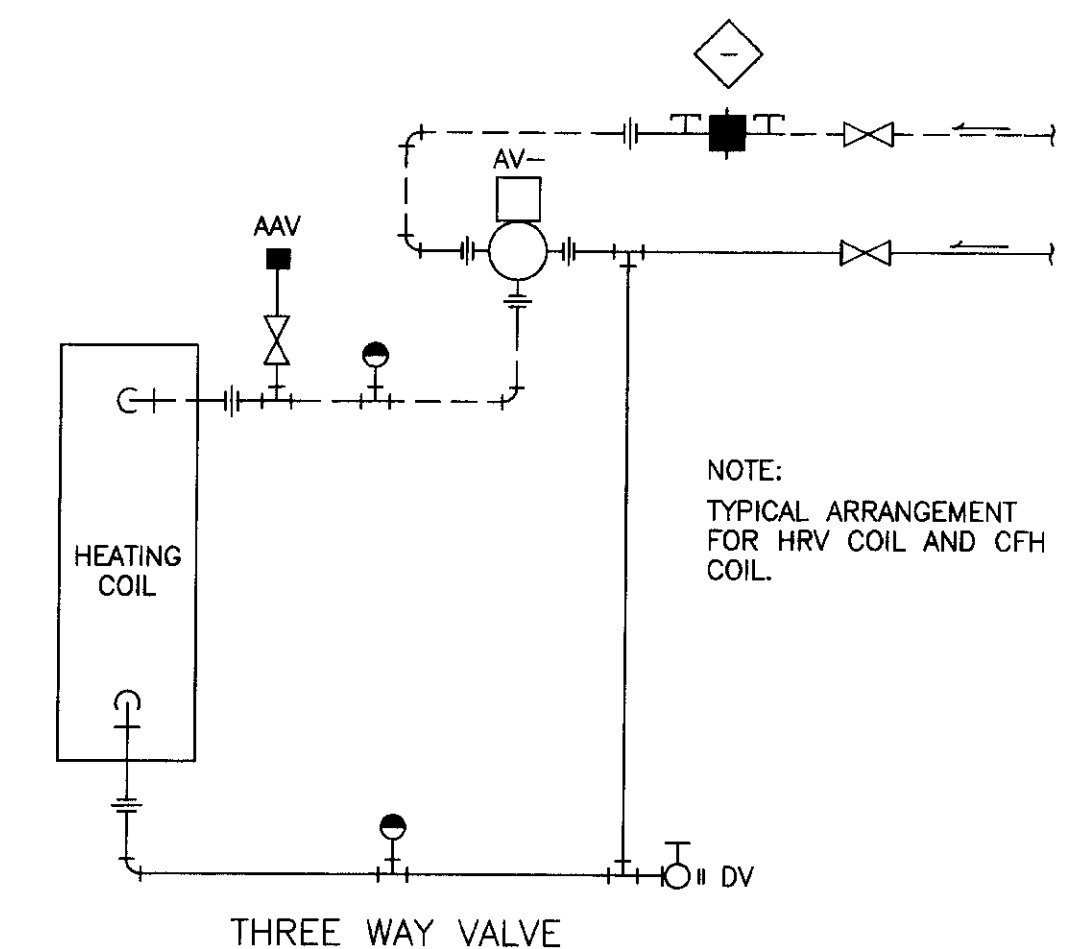
DOWNFIED CONVECTOR DETAIL
NO SCALE



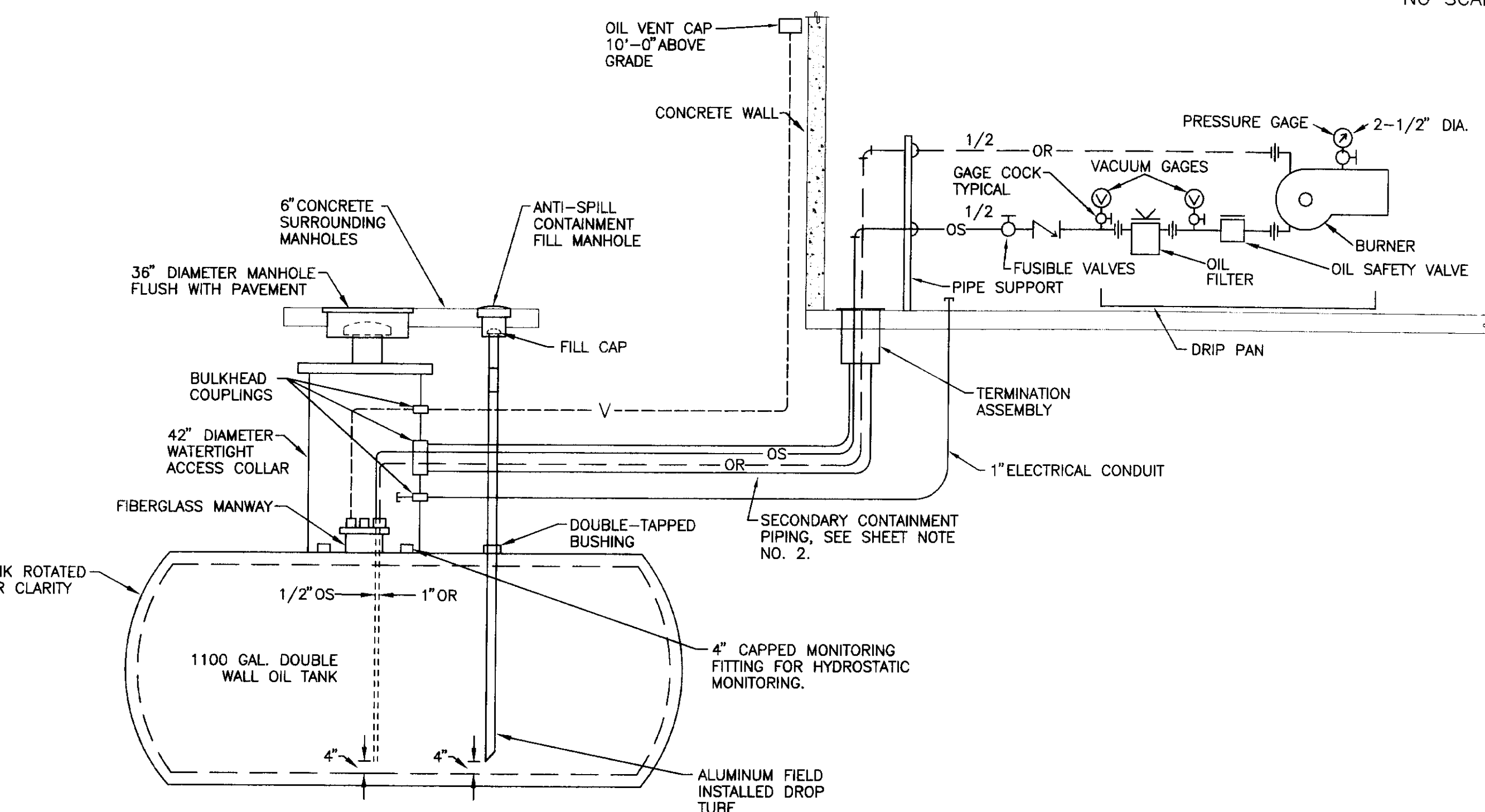
VENT THROUGH ROOF DETAILS
NO SCALE



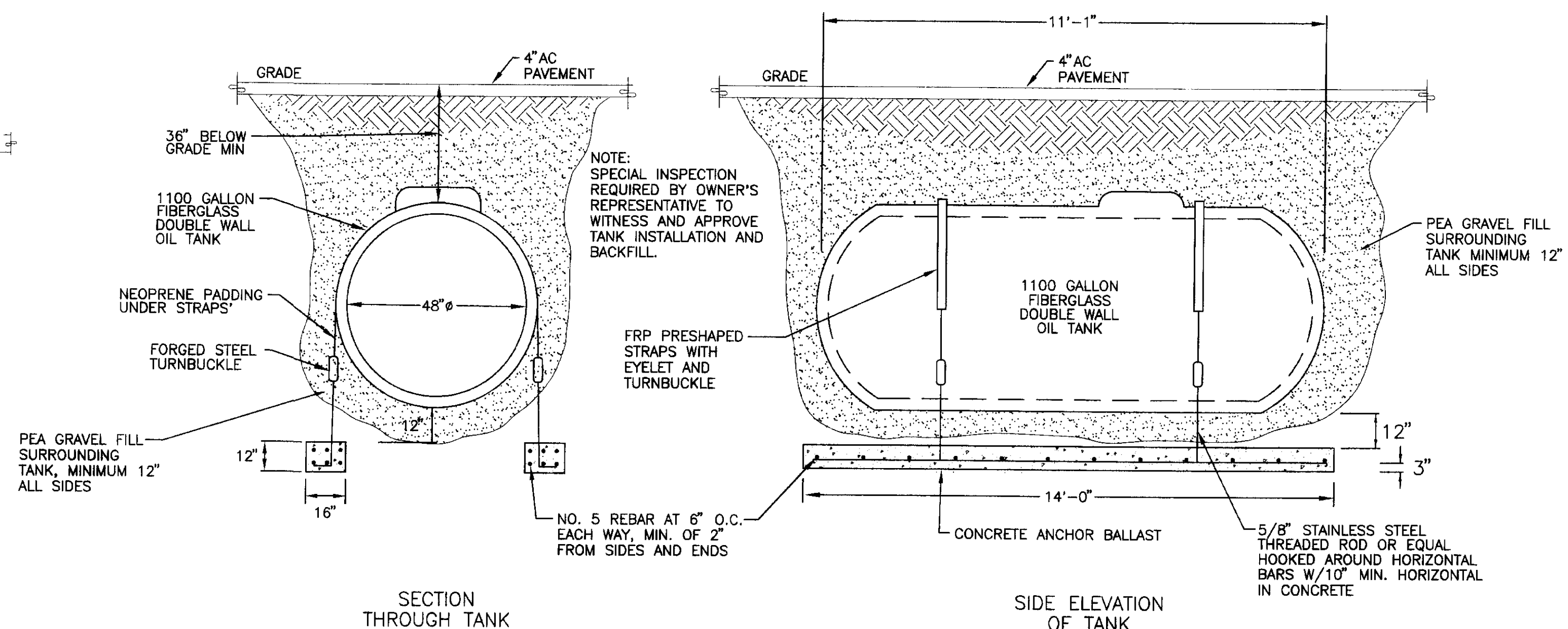
FINNED PIPE DETAIL
NO SCALE



HEATING COIL DIAGRAM
NO SCALE



OIL PIPING DIAGRAM
NO SCALE



TANK ANCHOR DETAILS
NO SCALE

DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0397
DETAILS

ALASKA

DESIGNED BY: DM	PROJECT NO. 71835
DRAWN BY: RB	DATE: 1-20-99
CHECKED BY: DM	SHEET P-5 OF 5

**MURRAY &
ASSOCIATES, P. C.**
CONSULTING ENGINEERS

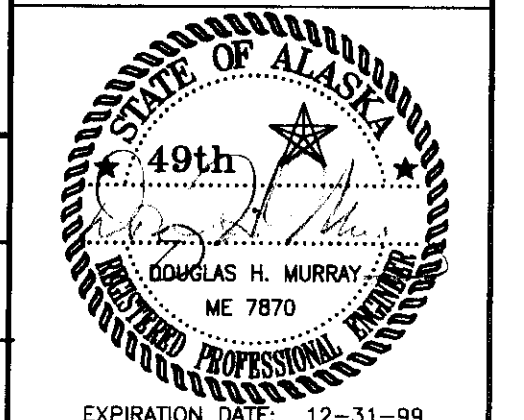
P O BOX 21081
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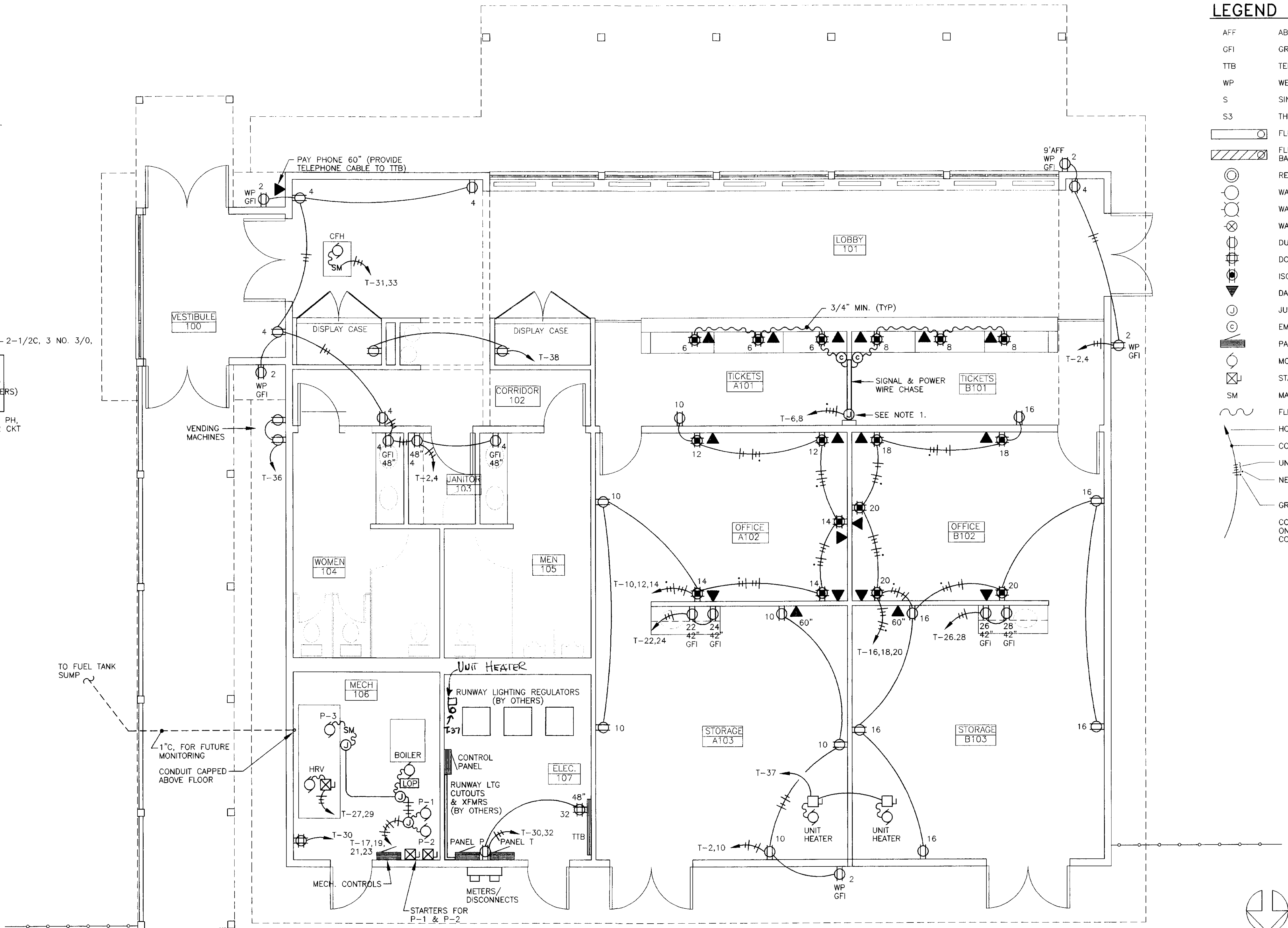
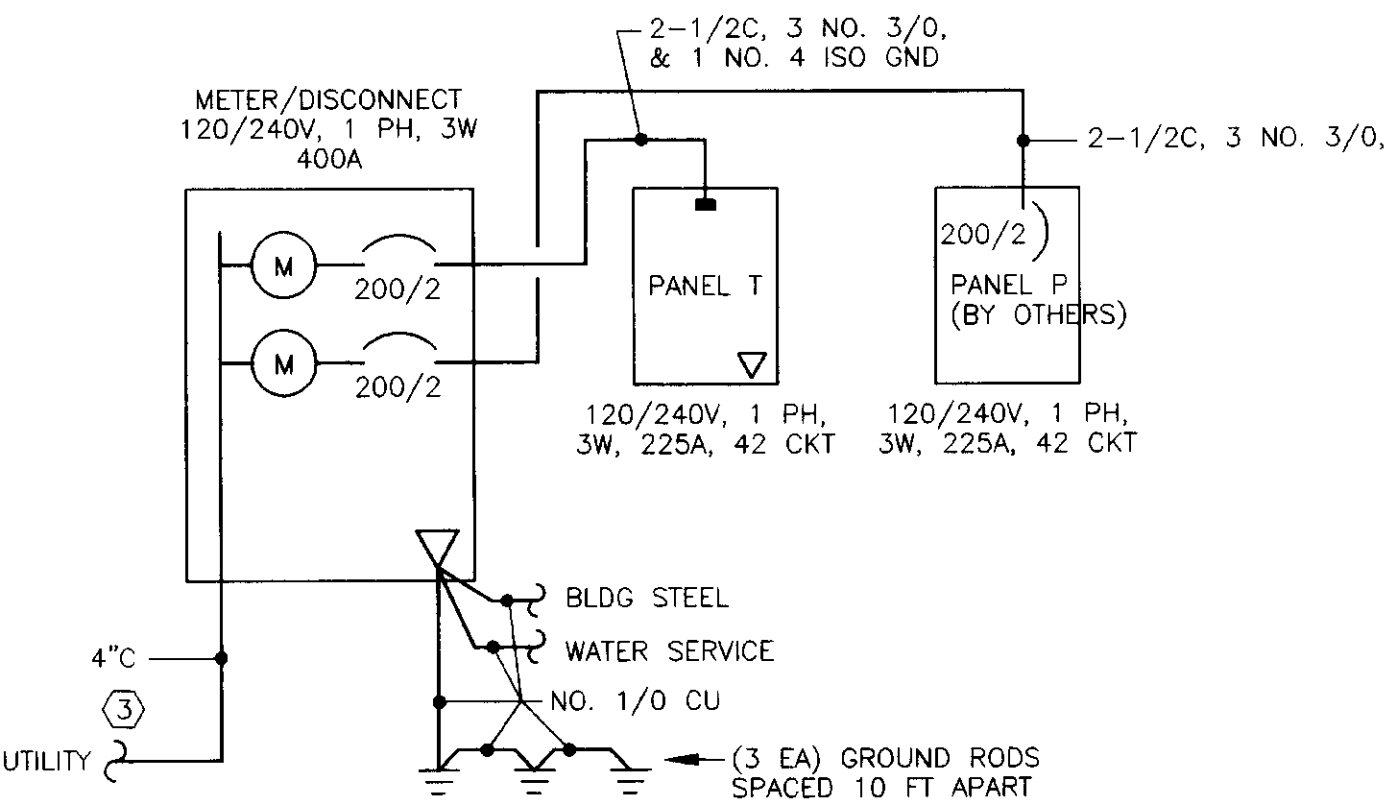
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ENGINEER'S SEAL



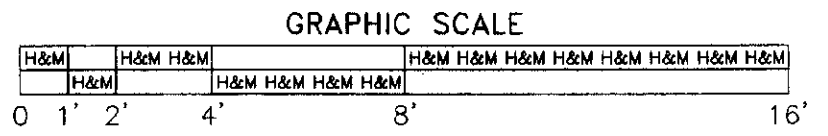
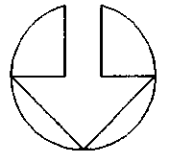
NOTES:

- ROUTING FOR COMMUNICATIONS CABLES TO TICKET COUNTERS IS PROVIDED BY A WIRE CHASE. SEE ARCHITECTURAL PLANS FOR DETAILS. PROVIDE TWO 1" CONDUITS IN WALL THROUGH CHASE UP TO THE CEILING SPACE FOR ROUTING SIGNAL CABLES.
- PROVIDE A 1" CONDUIT STUBBED UP INTO THE CEILING SPACE FROM EACH COMMUNICATIONS RECEPTACLE. PROVIDE 4 SQUARE BOXES AT EACH RECEPTACLE LOCATION. THE CONDUIT AND JUNCTION BOXES ARE TO PROVIDE A PATH AND TERMINATION POINT FOR OWNER FURNISHED VOICE, DATA, AND RADIO CABLES. PROVIDE VOICE CABLES FROM TELEPHONE RECEPTACLES BACK TO THE TELEPHONE TERMINAL BOARD.
- PROVIDE A 4" CONDUIT FROM THE METER/DISCONNECT TO THE UTILITY TRANSFORMER. PROVIDE A 2" CONDUIT FROM THE TTIB TO THE UTILITY TELEPHONE PEDESTAL.



LEGEND

- AFF ABOVE FINISHED FLOOR
- GFI GROUND FAULT INTERRUPTER
- TTIB TELEPHONE TERMINAL BOARD
- WP WEATHERPROOF
- S SINGLE POLE SWITCH
- S3 THREE WAY SWITCH
- FLUORESCENT LUMINAIRE
- FLUORESCENT LUMINAIRE WITH EMERGENCY BALLAST, BODINE B50 OR EQUAL
- RECESSED DOWNLIGHTS
- WALL MOUNTED (INTERIOR)
- WALL MOUNTED (EXTERIOR)
- WALL MOUNTED EXIT
- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- ISOLATED GROUND RECEPTACLE
- DATA/COMMUNICATIONS RECEPTACLE
- JUNCTION BOX
- EMT-FLEX COUPLING
- PANELBOARD
- MOTOR CONNECTION
- STARTER/DISCONNECT
- MANUAL STARTER
- FLEXIBLE CONDUIT
- HOMERUN
- CONDUIT: 1/2" UON
- UNGROUND CONDUCTORS
- NEUTRAL: #10 WITH DOT, #12 OTHERWISE
- GROUND CONDUCTOR
- CONDUCTORS NOT SHOWN WHERE ONLY #12 NEUTRAL AND UNGROUND CONDUCTOR ARE REQUIRED

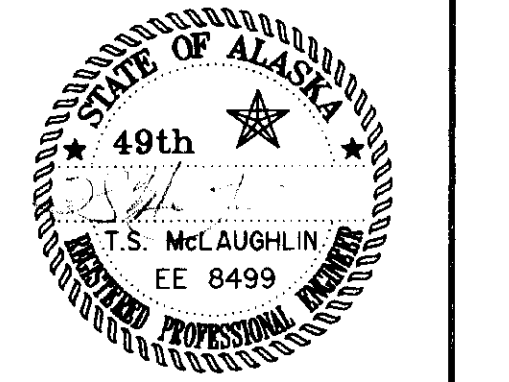


HAIGHT & McLAUGHLIN, INC.
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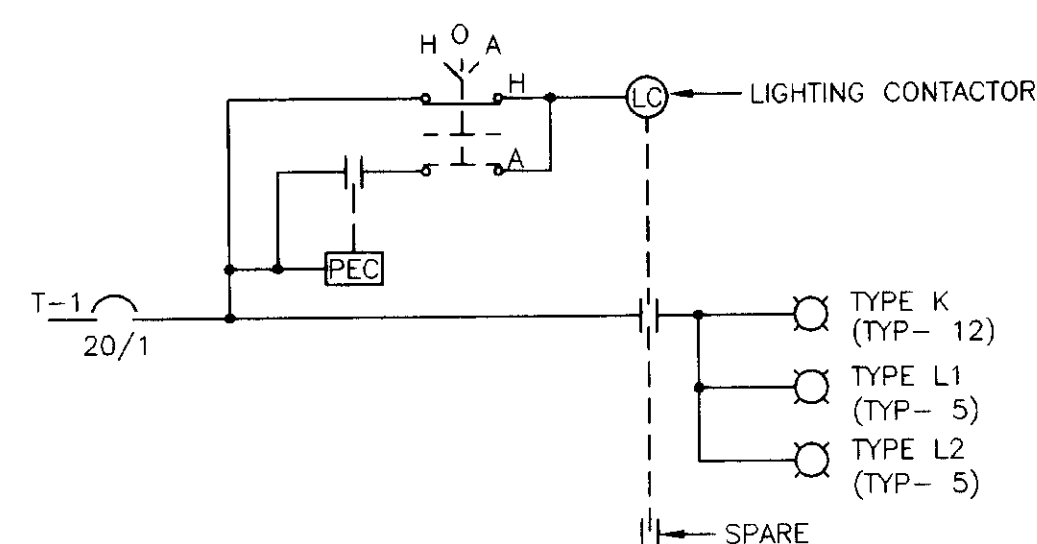
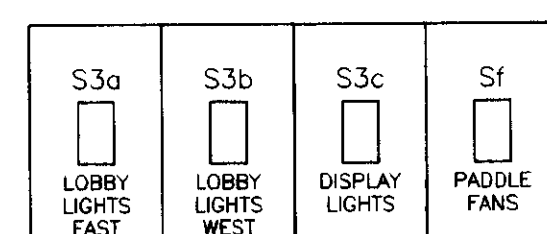
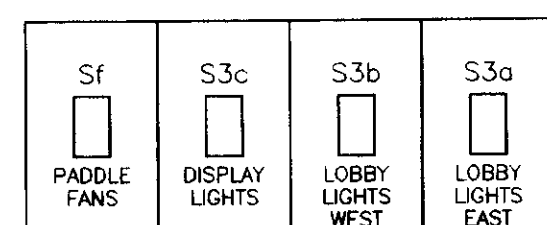
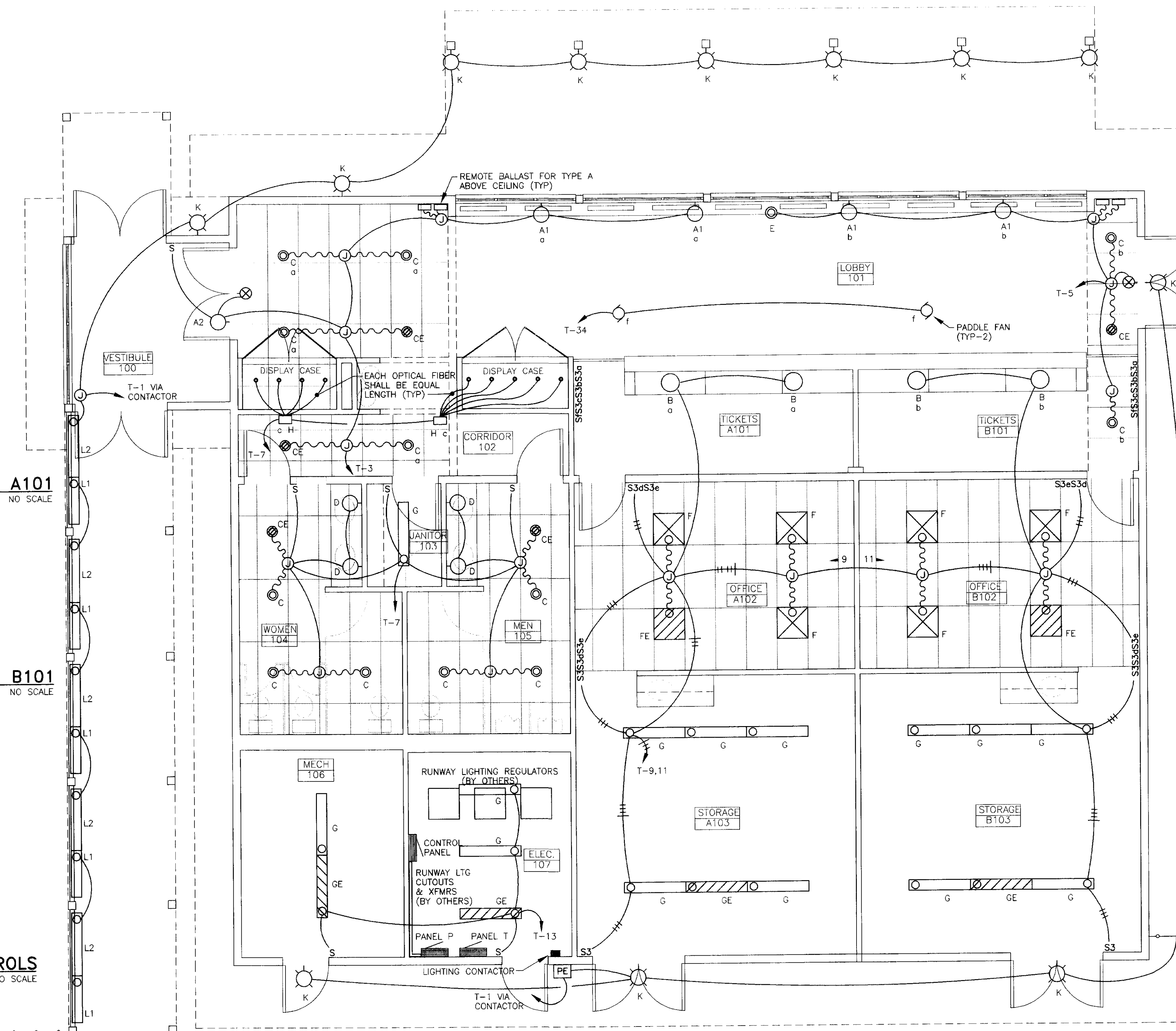


DATE:	DESCRIPTION OF CHANGE:

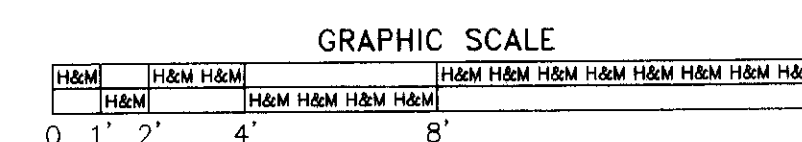
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY
SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
POWER PLAN

DESIGNED BY:	PEL	PROJECT NO.	71835
DRAWN BY:	PEL	DATE:	JANUARY 15, 1999
CHECKED BY:	TSM	SHEET	Q-1 OF 3



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



NOTE:

1. IN THE OFFICES THE TYPE F LUMINAIRES SHALL BE SPLIT SWITCHED, S3d SHALL CONTROL THE OUTSIDE LAMPS, S3c SHALL CONTROL THE INSIDE LAMP.
2. PROVIDE (2) 52" PADDLE FANS IN LOBBY 101, HUNTER #25875. PROVIDE WITH BLACK FINISH, VAULTED CEILING MOUNT #22903, EXTENSION PIPE #26228, & FAN CONTROL #27181.

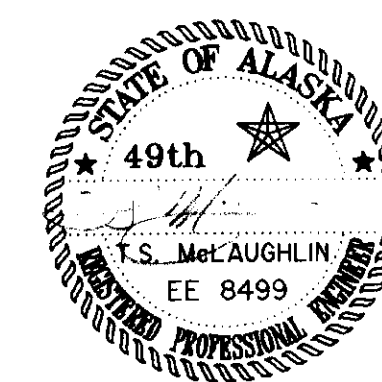


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NOTE:
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PLANS - USE DIMENSIONS
ENGINEER'S SEAL



PATH:		
BY:	DATE:	DESCRIPTION OF CHANGE:

R E C O R D O F R E V I S I O N S

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
LIGHTING PLAN

ALASKA

DESIGNED BY:	PEL
DRAWN BY:	PEL
CHECKED BY:	TSM

PROJECT NO.	71835
DATE:	JANUARY 15, 1999
SHEET	Q-2 OF 3

PANEL T		SIZE	VOLTS/PHASE				MAIN	LOCATION		MOUNT
		225 AMPS	120-240V, 1 PH				LUGS ONLY	ELECTRICAL ROOM 107		SURFACE
C K T NO	DESCRIPTION	BREAKER AMP/ POLE	KVA				BREAKER AMP/ POLE	DESCRIPTION		C K T NO
			CKT	AØ	BØ	CKT				
1	EXTERIOR BLDG	LTG	20/1	1.0	1.9		0.9	20/1	EXTERIOR	2
3	VEST 100/LOBBY E. 101/CORR 102			1.5		2.9	1.4		VEST 100/LOBBY 101/CORR 102/RESTRMS	4
5	LOBBY W. 101			0.9	2.0		1.1		TICKETS A101	6
7	DISPLAY CABINETS/RESTROOMS			0.9		2.0	1.1		TICKETS B101	8
9	TICKETS A101/OFFICE A102/STOR A103			1.5	2.6		1.1		TICKET A101/OFFICE A102/STOR A103	10
11	TICKETS B101/OFFICE B102/STOR B103			1.5		2.2	0.7		OFFICE A102	12
13	ELEC 107/MECH 108			0.3	1.4		1.1		OFFICE A102	14
15	SPARE			--		1.1	1.1		TICKET B101/OFFICE B102/STOR B103	16
17	BOILER 1/7 HP (MECH 108)			0.6	1.3		0.7		OFFICE B102	18
19	PUMP P-1 1/3 HP (MECH 108)			0.9		2.0	1.1		OFFICE B102	20
21	PUMP P-2 1/3 HP (MECH 108)			0.9	2.2		1.3		COFFEE MAKER A103	22
23	PUMP P-3 1/25 HP (MECH 108)			0.2		1.4	1.2		MICROWAVE A103	24
25	MECHANICAL CONTROL PANEL (MECH 108)			0.2	1.4		1.2		MICROWAVE B103	26
27	HRV 3/4 HP (MECH 108)		20/2	0.8		2.1	1.3		COFFEE MAKER B103	28
29	----		----	0.8	1.3		0.5		ELEC 107/ MECH 108	30
31	CFH 1/4 HP (LOBBY 101)		15/1	0.4		0.8	0.4		TELEPHONE TERMINAL BOARD	32
33	12V BLDG TRANSFORMERS		20/1	0.2	0.6		0.4		PADDLE FANS (LOBBY 101)	34
35	UNIT HEATERS (STOR A103 & B103)			0.4		1.4	1.0		EXTERIOR VENDING MACHINES	36
37	SPARE			--	0.4		0.4		DISPLAY CASES	38
39	SPARE			--		--			SPARE	40
41	SPARE			--		--			SPARE	42
TOTAL CONNECTED LOAD = 31.0 KVA / 132.5 AMPS				15.1	15.9					

LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	MANUFACTURER	LAMPS	REMARKS
A1	WALL MOUNTED INDIRECT HID WITH SOLID HOUSING, REMOTE BALLAST, 1 LAMP OPTION	SPI EDR 2603 120 BFT RPI FOCAL POINT FGS 16M-1-400M-R-120- WM-TG-NO-BK	(1) 400W MH 4200K, CRI 65	WALL MOUNT @ 11'-0" AFF
A2	WALL MOUNTED INDIRECT HID WITH SOLID HOUSING, REMOTE BALLAST, 1 LAMP OPTION	SPI EDR 2403 120 BFT RPI FOCAL POINT FGS 16M-1-175M-R-120- WM-TG-NO-BK	(1) 175W MH 4200K, CRI 65	WALL MOUNT @ 8'-0" AFF
B	PENDANT MOUNT DECORATIVE INCANDESCENT, (SCHOOL- HOUSE), WITH GLASS GLOBE, 1 LAMP	REJUVENATION C888-ANTIQUE PEWTER-36"- 0010P-14	(1) 300W PS-30 INCAN	PENDANT MOUNT TO 8'-0" AFF TO BOTTOM OF LUMINAIRE
C	8" DIA RECESSED FLUORESCENT DOWNLIGHT WITH OPEN REFLECTOR, 2 LAMP OPTION	LITHONIA AF 2/26DTT BCR 120 GEB10 PRESCOLITE CFR826U-ST493A	(2) 26W QUAD 3500K, CRI 82	
CE	SAME AS TYPE C WITH EMERGENCY BALLAST OPTION	LITHONIA AF 2/26DTT BCR 120 GEB10 EL PRESCOLITE CFR826U-ST493A EM	(2) 26W QUAD 3500K, CRI 82	
E	CEILING MOUNTED CONCEALED EMERGENCY LIGHT	CONCEALITE F5-REM-35-120V	(2) 35W QUARTZ HALOGEN	
D	WALL MOUNTED FLUORESCENT WITH HIGH-IMPACT POLYCARBONATE LENS, 1 LAMP OPTION	KENALL M013HL-P-L6-26Q-1-120 LUMINAIRE AOV 13-1 PLC26-120-OP- YOVH	(1) 26W QUAD 3500K, CRI 82	WALL MOUNT ABOVE MIRROR
F	2'x2' RECESSED FLUORESCENT PARABOLIC TROFFER VDT FRIENDLY, 3 LAMP OPTION	LITHONIA 2PMO G B 3 CF40 12LD 120 GEB10 COLUMBIA HC22-340TTG-LD34-S- EBTT120	(3) 40W CF40 3500K, CRI 82	
FE	SAME AS TYPE F WITH EMERGENCY BALLAST OPTION	LITHONIA 2PMO G B 3 CF40 12LD 120 GEB10 EL COLUMBIA HC22-340TTG-LD34-S- EBTT120-EL	(3) 40W CF40 3500K, CRI 82	
G	4' SURFACE MOUNT FLUORESCENT PARABOLIC INDUSTRIAL 20% UPLIGHT, & END CAPS, 2 LAMP OPTION	LITHONIA PV 232 120 / PCEP COLUMBIA KL4-232-VR-120 KLEC	(2) 32W T8 3500K, CRI 82	
GE	SAME AS TYPE G WITH EMERGENCY BALLAST OPTION	LITHONIA PV 232 120 EL/ PCEP COLUMBIA KL4-232-VR-120 EL KLEC	(2) 32W T8 3500K, CRI 82	
H	FIBER OPTICS DISPLAY LIGHTING ILLUMINATOR HARNES OPTICAL FIBER FIXTURE	LUMENYTE PH3000 PH-HARN SEL300 3390	(1) 150W MH 3000K, CRI 75	EACH OPTICAL FIBER FROM ILLUMINATOR TO FIXTURE SHALL BE OF EQUAL LENGTH
K	EXTERIOR WALL MOUNT FLUORESCENT WITH ACRYLIC LENS & ALUMINUM GUARD, 2 LAMP	D.M. LIGHTING 4931 WA BL 120V	(2) 26W QUAD 3500K, CRI 82	WALL MOUNT @ 8'-0" AFF
L1	EXTERIOR 3' WALL MOUNT FLUORESCENT WITH ACRYLIC LENS, WET LOCATION RATED, 1 LAMP	HOLCOR CST-1/25T8-CLR-120-CWB-	(1) 25W T8 3500K, CRI 82	SEE ARCH. WALKWAY SECTION SHEET N803
L2	EXTERIOR 4' WALL MOUNT FLUORESCENT WITH ACRYLIC LENS, WET LOCATION RATED, 1 LAMP	HOLCOR CST-1/32T8-CLR-120-CWB-	(1) 32W T8 3500K, CRI 82	SEE ARCH. WALKWAY SECTION SHEET N803
⊗	EMERGENCY EXIT LIGHT (SIGNATURE SERIES)	LITHONIA LES 1 G 120/277 ELN	LED	WALL MOUNT ABOVE DOOR

RECORD OF REVISIONS	
DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

SKAGWAY

SKAGWAY AIR TERMINAL
AIP # 3-02-0270-0399
SCHEDULES

ALASKA

DESIGNED BY:	PEL	PROJECT NO.	71835
DRAWN BY:	PEL	DATE:	JANUARY 15, 1999
CHECKED BY:	TSM	SHEET	Q-3 OF 3

HAIGHT &
McLAUGHLIN, INC.
CONSULTING ENGINEERS
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NOTE:
DO NOT SCALE FROM THESE
PLANS - USE DIMENSIONS
ENGINEER'S SEAL

