

STATE OF ALASKA

Department of Transportation
and Public Facilities
Southeast Region

JUNEAU, ALASKA

JNU AMHS - AUKE BAY
FAST VEHICLE FERRY
SUPPORT FACILITY
SHAK-9500(103) ~ 67763

As-built Plans

75 sheets

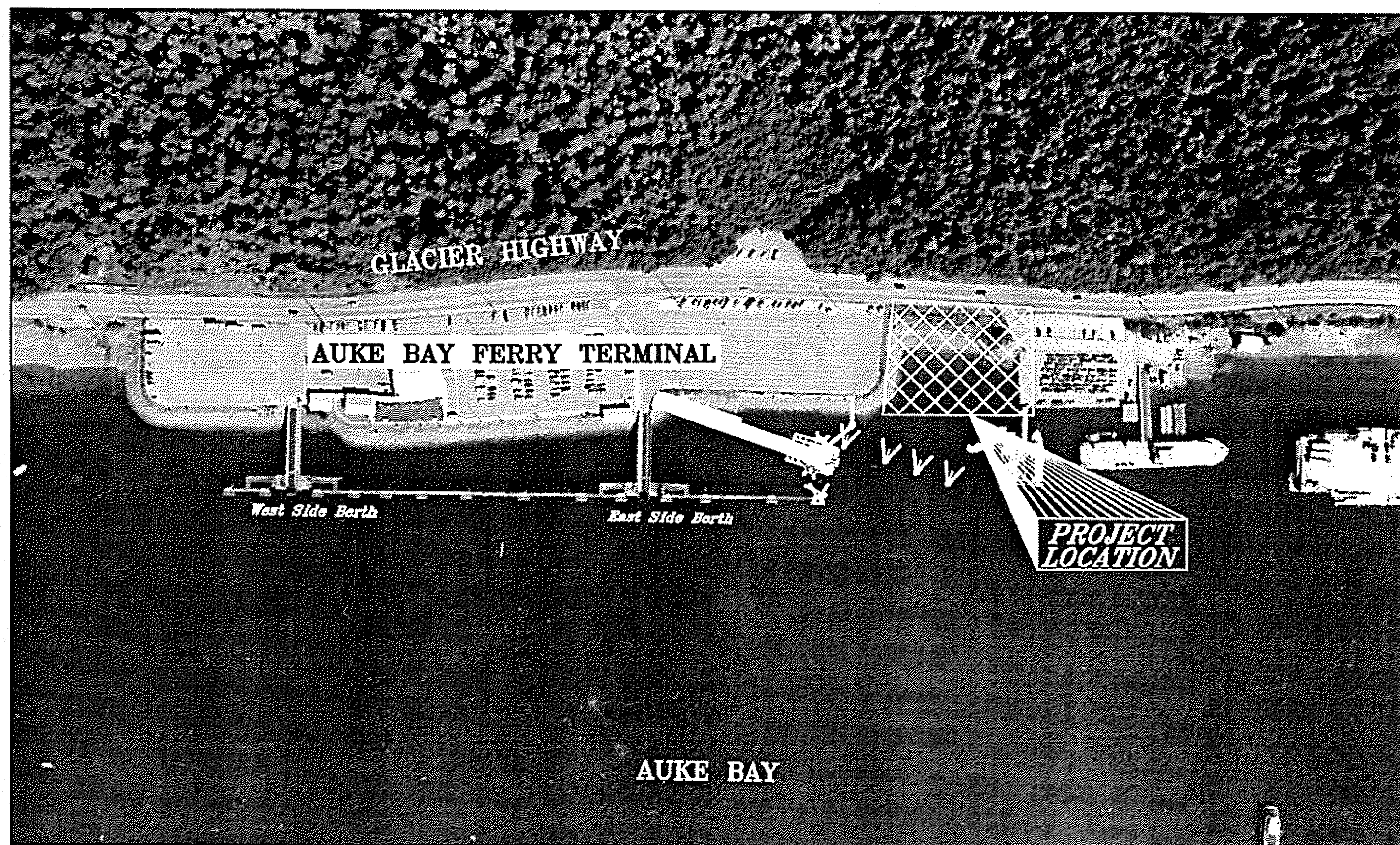
Prepared by John Kajdan

ADOT Project Engineer

Southeast Region

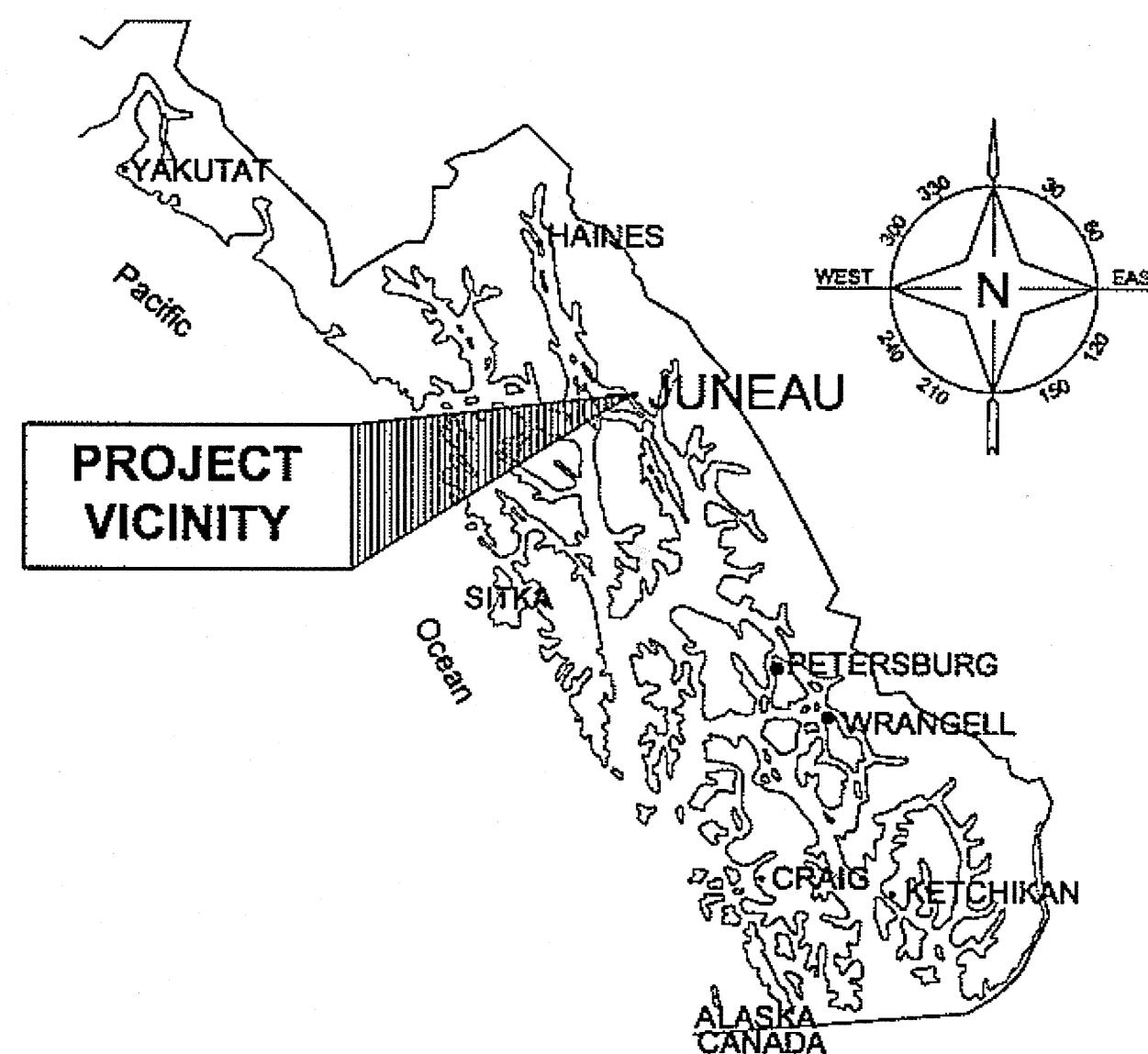
*I have checked each sheet,
and all are complete.*

John A. Kajdan 1/29/2010



PROJECT LOCATION

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SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
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AA2	ESTIMATE OF QUANTITIES	A4.1	INTERIOR ELEVATIONS
AA3	SURVEY CONTROL	A5.1	STAIR SECTION AND DETAILS
SITE IMPROVEMENTS		A6.1	DETAILS
C1	SITE - PLAN	A6.2	WALL SECTIONS
C2	SITE - TYPICAL SECTIONS	A6.3	WALL SECTIONS
C3	SITE - SUMMARIES	A6.4	DETAILS
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C13	SECURITY - CAMERA MOUNTING DETAILS & SCHEDULE, TRENCH DETAIL, & LEGEND	M3.3	SEISMIC AND CLEARANCE DETAILS
C14	SECURITY - EXISTING SYSTEM SCHEMATIC		
C15	SECURITY - NEW SYSTEM SCHEMATIC	E0.1	ELECTRICAL LEGEND, SCHEDULE AND RISER
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		S1.0	FOUNDATION PLAN
		S2.0	MEZZANINE FRAMING PLAN
		S2.1	SHEAR WALL PLAN
		S3.0	ROOF FRAMING PLAN
		S4.0	DETAILS



PATH: Q:\Jnu\67763\PlanSet\Oct_07_PS&E\67763_A1_Title Sheet.d
Fri, 07/Dec/07 09:25AM dastevens

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

APPROVED:

Jack D. Beedle
JACK D. BEEDLE, P.E.
REGIONAL PRECONSTRUCTION ENGINEER

12/20/07
DATE

APPROVED:

Malcolm A. Menzies
MALCOLM A. MENZIES, P.E., L.S.
DIRECTOR, S.E. REGION

12.20.07
DATE

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:

John A. Kajdan
CONSTRUCTION PROJECT MANAGER

1/29/11
DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SHAK-9500(103) ~ 67763	2007	AA1	52

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

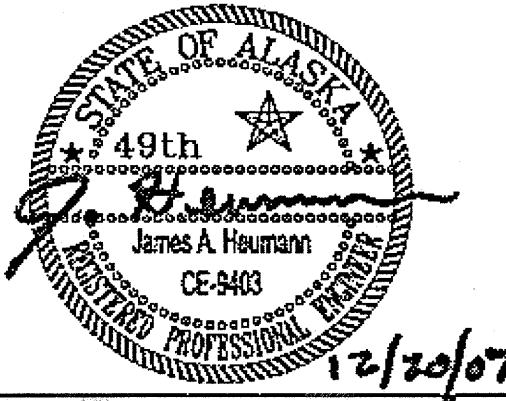
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D-01.02	D-25.00	G-00.01	I-20.13
D-04.21	D-26.02	G-09.04S	M-13.01
D-20.03	D-35.00	G-10.01	M-16.01
D-22.01	D-36.00	G-13.00	

ESTIMATE OF QUANTITIES				
ITEM NO	PAY ITEM	PAY UNIT	QUANTITIES	FINAL QUANTITIES
202(2)	REMOVAL OF PAVEMENT	SQUARE YARD	500	505.56
202(9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	37	79.2
203(5)	BORROW	CUBIC YARD	15250	23,529.65
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	315	NOT USED
304(1)	SUBBASE GRADING, B	TON	2400	2,734.55
401(1)	ASPHALT CONCRETE, TYPE II, CLASS B	TON	212	366.35
401(2)	ASPHALT CEMENT, GRADE PG 58-28	TON	13	20.88
603(21-12)	12 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	149	113.3
603(21-24)	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	144	142.25
603(21-30)	30 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	164	178.9
604(1A)	STORM SEWER MANHOLE, TYPE I	EACH	1	1
604(1B)	STORM SEWER MANHOLE, TYPE II	EACH	1	1
604(1C)	STORM SEWER MANHOLE, TYPE I, WITH OIL WATER SEPARATOR	EACH	1	1
604(3)	RECONSTRUCT EXISTING MANHOLE	EACH	1	1
604(5)	INLET, TYPE A	EACH	1	2
606(1)	W-BEAM GUARDRIAL	LINEAR FOOT	260	313.0
606(6)	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	185	194.15
607(3)	CHAIN LINK FENCE	LINEAR FOOT	341	NOT USED
609(2)	CURB AND GUTTER, TYPE I	LINEAR FOOT	260	344.0
611(1)	RIPRAP, CLASS IV	CUBIC YARD	1791	2,129.7
614(1)	CONCRETE BARRIER	LINEAR FOOT	110	NOT USED
626(3)	SEWAGE HOLDING TANK	LUMP SUM	ALL REQUIRED	All Required
626(4)	SANITARY SEWER FORCE MAIN	LUMP SUM	ALL REQUIRED	All Required
626(5)	4" GRAVITY SEWER SERVICE	LUMP SUM	ALL REQUIRED	All Required
627(3)	INSTALL VALVE BOX	EACH	2	2
627(5)	FIRE HYDRANT INSTALLATION	EACH	1	1
627(11)	6 INCH POTABLE WATER SERVICE	LUMP SUM	ALL REQUIRED	All Required
631(2)	GEOTEXTILE, EROSION CONTROL, CLASS I	SQUARE YARD	1250	NOT USED
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	All Required
641(1)	EROSION AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED	All Required
641(3)	TEMPORARY EROSION AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED	All Required
641(4)	TEMPORARY EROSION AND POLLUTION CONTROL AMENDMENTS	CONTINGENT SUM	ALL REQUIRED	All Required
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED	All Required
642(3)	THREE PERSON SURVEY PARTY	HOURL	5	NOT USED
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED	All Required
645(1)	TRAINING PROGRAM 1 TRAINEE/APPRENTICE	LABOR HOUR	500	181.5
660(3)	HIGHWAY LIGHTING SYSTEM COMPLETE	LUMP SUM	ALL REQUIRED	All Required
667(1)	SECURITY SYSTEM COMPLETE	LUMP SUM	ALL REQUIRED	NOT USED
695(1)	FVF MAINTENANCE AND SUPPORT BUILDING	LUMP SUM	ALL REQUIRED	All Required

New Items Established by Change Order

301(1a)	Crushed Aggregate Base Course	ton	715.90
607(3a)	Chain Link Fence	LF	382.00
614(1a)	Used Concrete Barrier	LF	125.00
626(3a)	Sewer Tank Modifications	LS	All Required
645(2)	Training Program Price Adjustment	CS	
667(1a)	Security System Complete, Interior	LS	All Required
667(1b)	Security System Complete, Exterior	LS	All Required
667(1c)	Additional Security Cameras	LS	All Required
667(1e)	Exterior Camera Enclosures	LS	All Required
669(1)	FVF Building Network Connection	LS	All Required
695(1a)	Plan Review Early Start Fee	LS	All Required
695(1b)	Floor Joist Connection	LS	All Required
695(1c)	Shop Hoist Monorail Connection	LS	All Required
695(1e)	Building Electrical Design Modifications	LS	All Required
695(1f)	Redesigned Support Column	LS	All Required
695(1i)	Locker Alcove Framing	LS	All Required
695(1h)	Door Size Alterations	LS	All Required

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

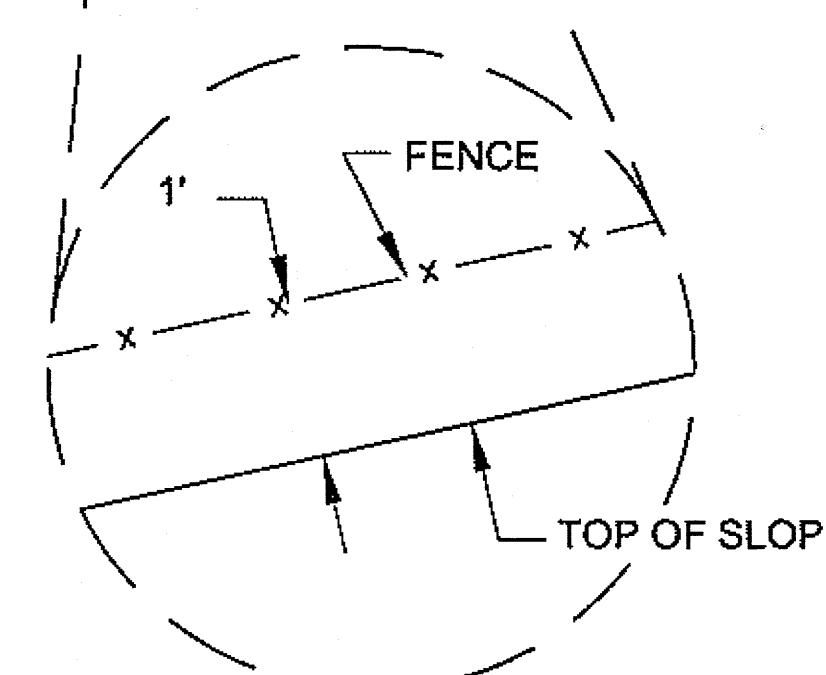
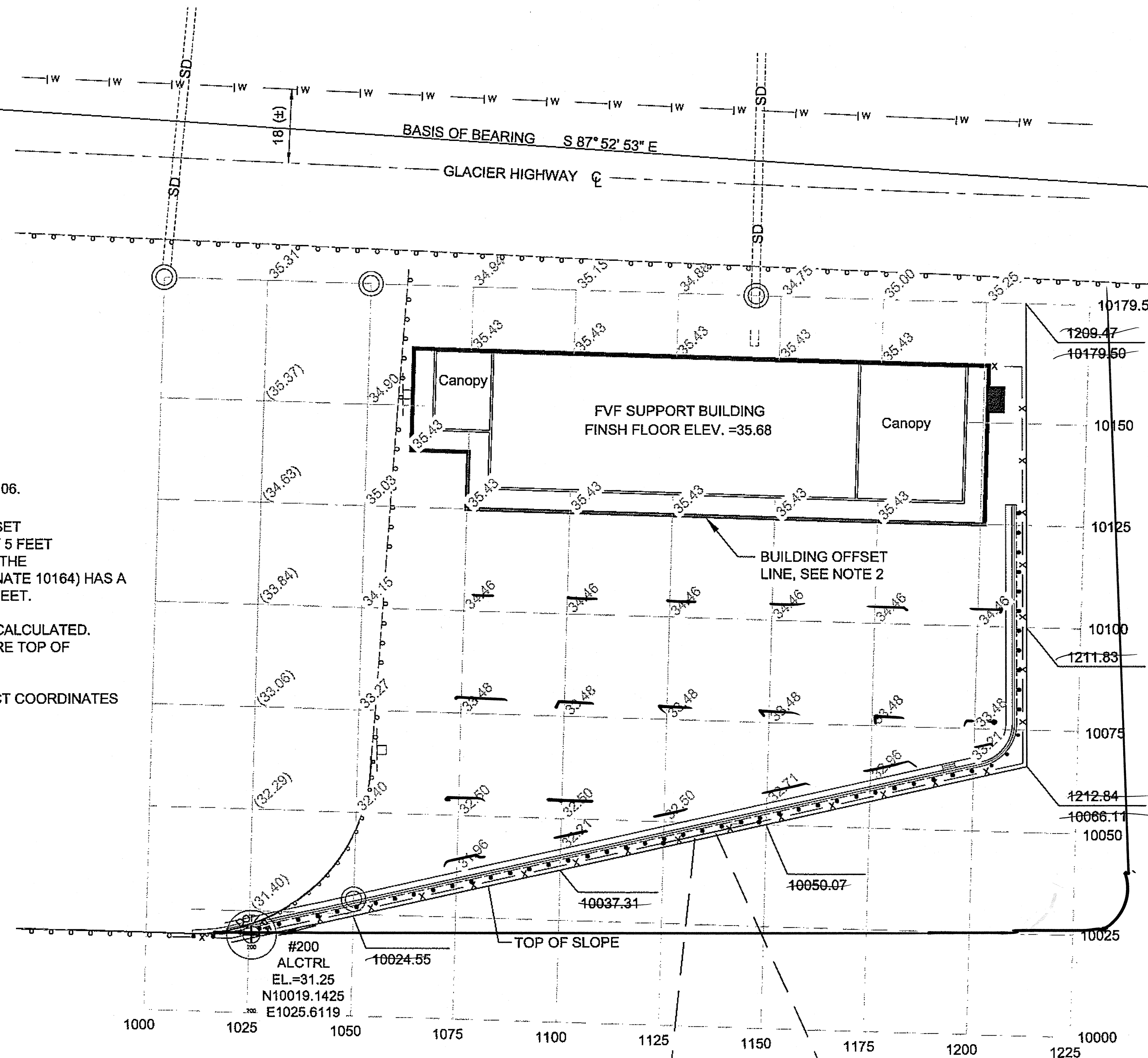
CHECKED BY: J. HEUMANN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
		JNU-AMHS-AUKE BAY FAST VEHICLE FERRY SUPPORT FACILITY	
DESIGNED BY: M. LAVERING		ESTIMATE OF QUANTITIES	
DRAWN BY: DRD			
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REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	NO.
		SHAK-9500(103) ~ 67763	2007
		AA2	52

907
 CENTERLINE BC IN CASE
 N 10221.2641
 E 902.7286
 EL = 35.26

906
 CENTERLINE BC IN CASE
 N 10203.3907
 E 1385.8933
 EL = 41.77

NOTES:

1. HORIZONTAL AND VERTICAL CONTROL FOR THE PROJECT ARE CONTROL POINTS #907 AND #906.
2. THE BUILDING OFFSET LINE IS OFFSET FROM THE BUILDING PERIMETER BY 5 FEET IN THREE DIRECTIONS AND ALONG THE NORTHERN EDGE (NORTH COORDINATE 10164) HAS A CONSISTANT ELEVATION OF 35.43 FEET.
3. (XX.XX) = EXISTING ELEVATION AS CALCULATED. ALL OTHER ELEVATIONS SHOWN ARE TOP OF FINISH SURFACES.
4. COORDINATES LISTED ARE PROJECT COORDINATES IN U.S. FEET.



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. HEUMANN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: M. LAVERING		JNU-AMHS-AUKE BAY FAST VEHICLE FERRY SUPPORT FACILITY	
DRAWN BY: D. STEVENS		SURVEY CONTROL	
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		TOTAL SHEETS 52	

Auke Bay Fast Vehicle Ferry Support Facility
 Project No. 67763/SHAK-9500(103), 77433
 John Kajdan
 Project Engineer JSK 1/28/2010

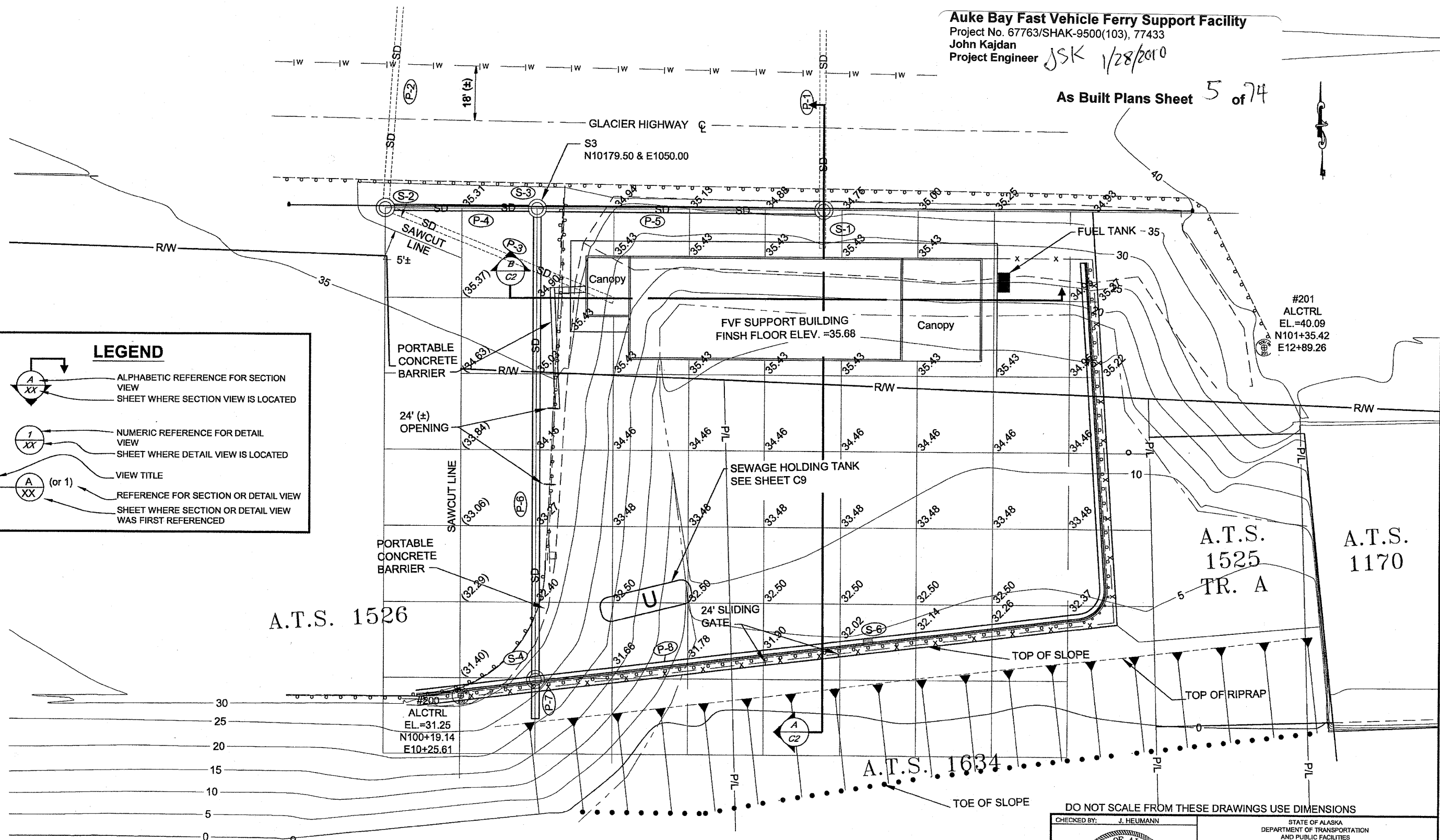
As Built Plans Sheet 5 of 74

LEGEND

 ALPHABETIC REFERENCE FOR SECTION VIEW
 SHEET WHERE SECTION VIEW IS LOCATED

 NUMERIC REFERENCE FOR DETAIL VIEW
 SHEET WHERE DETAIL VIEW IS LOCATED

Title  (or 1) VIEW TITLE
 REFERENCE FOR SECTION OR DETAIL VIEW
 SHEET WHERE SECTION OR DETAIL VIEW WAS FIRST REFERENCED



Replaces Sheet C1

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. HEUMANN

DESIGNED BY: M. LAVERING

DRAWN BY: D. STEVENS

PATH: Q:\JNU\67763\PLANSET\MAR_08 CO#1167763_C1_SITE_PLAN.DWG

TAB: C1a Friday, March 14, 2008 11:06:07 AM BWBENNETT

REVISIONS		
NO.	DATE	DESCRIPTION
1	3/10/08	C.O. #1

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-AMHS-AUKE BAY
 FAST VEHICLE FERRY
 SUPPORT FACILITY

**REVISED
 SITE - PLAN**

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SHAK-9500(103) ~ 67763	2007	C1a	

max slope, slope varies

slope varies

Auke Bay Fast Vehicle Ferry Support Facility
Project No. 67763/SHAK-9500(103), 77433
John Kajdan
Project Engineer

JSK 1/28/2010

As Built Plans Sheet 7 of 74

LEGEND

- 1 EXISTING ASPHALT, REMOVE AND REPLACE
- 2 2" ASPHALT CONCRETE
- 3 4" CRUSHED AGGREGATE BASE COURSE, GRADING D-1
- 4a 12" SUBBASE GRADING "B"
- 5 W-BEAM GUARDRAIL
- 6 REMOVE AND REINSTALL GUARDRAIL
- 7 BORROW, TYPE D
- 8 BORROW TYPE A
- 9 CURB & GUTTER, TYPE I
- 10 EXISTING GUARDRAIL TO REMAIN
- 11 GEOTEXTILE EROSION CONTROL
- 12 8' CHAIN LINK FENCE
- 13 4" TOP SOIL AND SEED *rock mulch and weed barrier fabric*

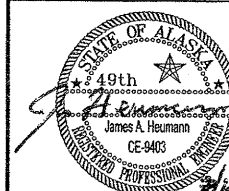
TYPICAL SECTION NORTH - SOUTH @ GRIDLINE 11+44

A
C1

TYPICAL SECTION EAST - WEST @ GRIDLINE 101+50

B
C1

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. HEUMANN																		
																		
DESIGNED BY: M. LAVERING																		
DRAWN BY: D. STEVENS																		
PATH: Q:\JNU\67763\PLANSET\MAR_08 CO#167763_B_TYPICAL DETAIL.DWG																		
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REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS												
NO.	DATE	DESCRIPTION	SHAK-9500(103) ~ 67763	2007	C2													
1	3/10/08	C.O. #1																

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

**JNU-AMHS-AUKE BAY
FAST VEHICLE FERRY
SUPPORT FACILITY**

SITE - TYPICAL SECTIONS

Replaces Plan Sheet C2

max slope, slope varies

slope varies

Auke Bay Fast Vehicle Ferry Support Facility
Project No. 67763/SHAK-9500(103), 77433
John Kajdan
Project Engineer

JSK 1/28/2010

As Built Plans Sheet 7 of 74

LEGEND

- 1 EXISTING ASPHALT, REMOVE AND REPLACE
- 2 2" ASPHALT CONCRETE
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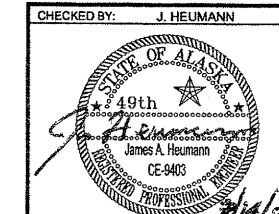
TYPICAL SECTION NORTH - SOUTH @ GRIDLINE 11+44

A
C1

TYPICAL SECTION EAST - WEST @ GRIDLINE 101+50

B
C1

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

JNU-AMHS-AUKE BAY
FAST VEHICLE FERRY
SUPPORT FACILITY

SITE - TYPICAL SECTIONS

DESIGNED BY: M. LAVERING
DRAWN BY: D. STEVENS
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REVISIONS			PROJECT DESIGNATION SHAK-9500(103) ~ 67763	YEAR 2007	SHEET NO. C2	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
1	3/10/08	C.O. #1				

Replaces Plan Sheet C2

CURB & GUTTER ALIGNMENT		
NORTH COORDINATE	EAST COORDINATE	REMARKS
-10021.82	1010.06	CONNECT TO EXISTING
-10068.38	1201.52	P.C., R= 8', Δ= 77°23'
-10076.37	1207.53	P.T.
-10130.00	1206.94	END
10020.74	1010.76	CONNECT TO EXISTING
10047.18	1228.31	P.C., R= 8', Δ= 86°50'
10055.64	1235.33	P.T.
10162.66	1228.29	END

NOTE:
POINTS IDENTIFIED BY THE COORDINATE PAIRS ARE AT
THE LEADING EDGE OF THE GUTTER PAN.

GUARDRAIL ALIGNMENT		
NORTH COORDINATE	EAST COORDINATE	REMARKS
-10018.9	1007.7	CONNECT TO EXISTING
-10019.1	1018.5	
-10066.0	1012.1	R= 10.5', Δ= 77°23'
-10076.4	1210.0	P.T.
-10130.0	1208.4	* END
10018.8	1007.5	CONNECT TO EXISTING
10018.9	1016.6	
10044.7	1228.6	R= 10.5', Δ= 86°50'
10055.8	1237.8	P.T.
10162.8	1230.8	* END

* STANDARD W-BEAM TERMINAL CONNECTOR
PER STANDARD DRAWING G-13.00.

FENCE ALIGNMENT		
NORTH COORDINATE	EAST COORDINATE	REMARKS
-10018.1	1006.5	CONNECT TO END OF EXISTING FENCE
-10019.1	1020.7	ANGLE POINT
-10044.7	1125.0	GATE POST
-10060.7	1148.3	GATE POST
-10066.9	1211.8	CORNER
-10164.0	1208.0	CORNER
-10164.0	1196.0	TERMINATE AT CANOPY
10018.0	1006.2	CONNECT TO EXISTING
10018.0	1021.1	ANGLE PT
10030.7	1125.6	GATE POST
10033.6	1149.4	GATE POST
10044.6	1240.1	CORNER
10164.0	1232.2	CORNER
10164.0	1196.0	TERMINATES @ CANOPY

ADJUST GATE POST LOCATIONS AS REQUIRED BY THE
APPROVED SHOP DRAWINGS.

P-1, removed 13', invert 3102

DRAINAGE PIPE SUMMARY						
PIPE NO	DIAMETER	LENGTH	INLET		OUTLET	
			ELEVATION	STRUCTURE	ELEVATION	STRUCTURE
P-1	24	70.5	34.10	N/A	20.80	S-1
P-2	24	65.9	32.32	N/A	29.33*	S-2
P-3	24	87.0	29.33*	S-2	25.40	N/A
P-4	24	50.0	52.0	S-2	26.50	S-3
P-5	24	81.0	30.33	S-1	28.30	S-3
P-6	30	154.0	157.0	S-3	23.70	S-4
P-7	30	40.0	21.9	S-4	23.00	N/A
P-8	12	149.0	30.80	S-6	28.20	S-4
P-9	12	110.3	28.80	S-6	26.20	S-4
*CALCULATED ELEVATIONS						

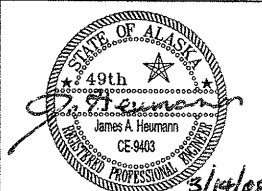
note S-1:
top of structure = 34 7/8
top of grate = 35 2/4

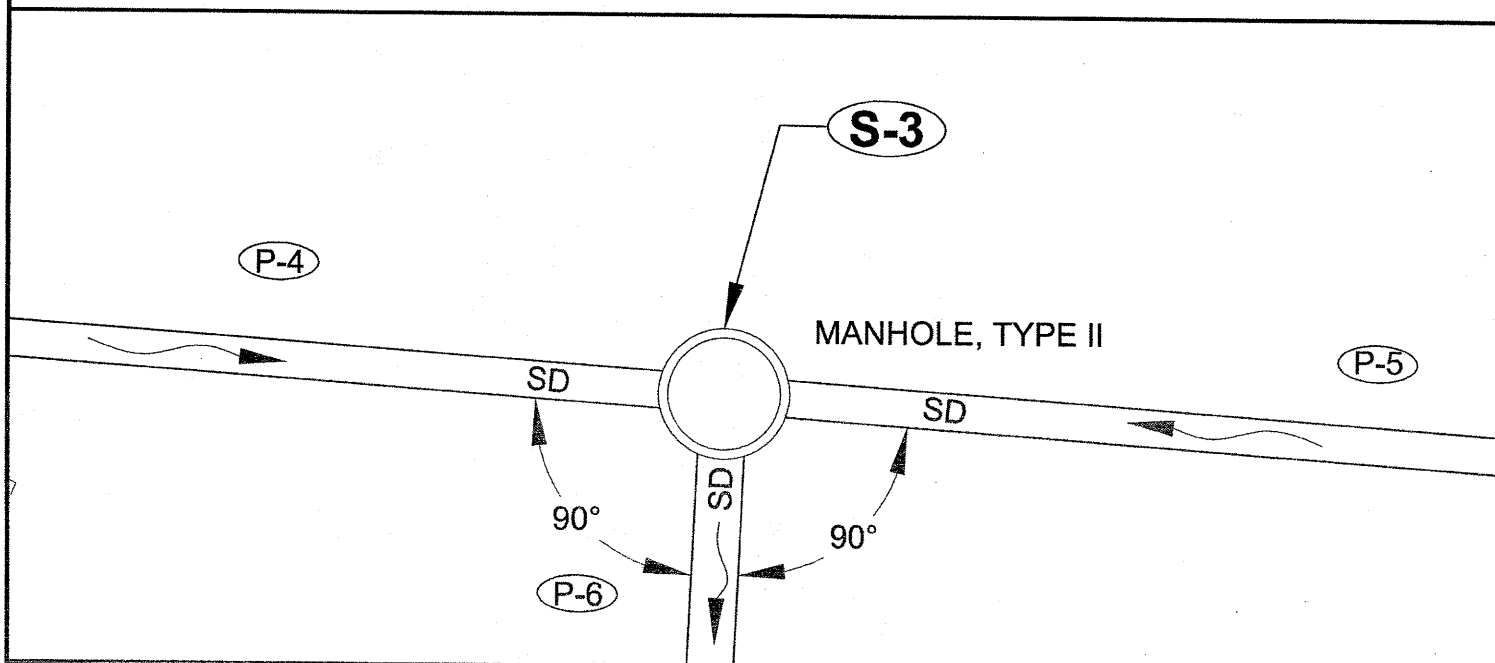
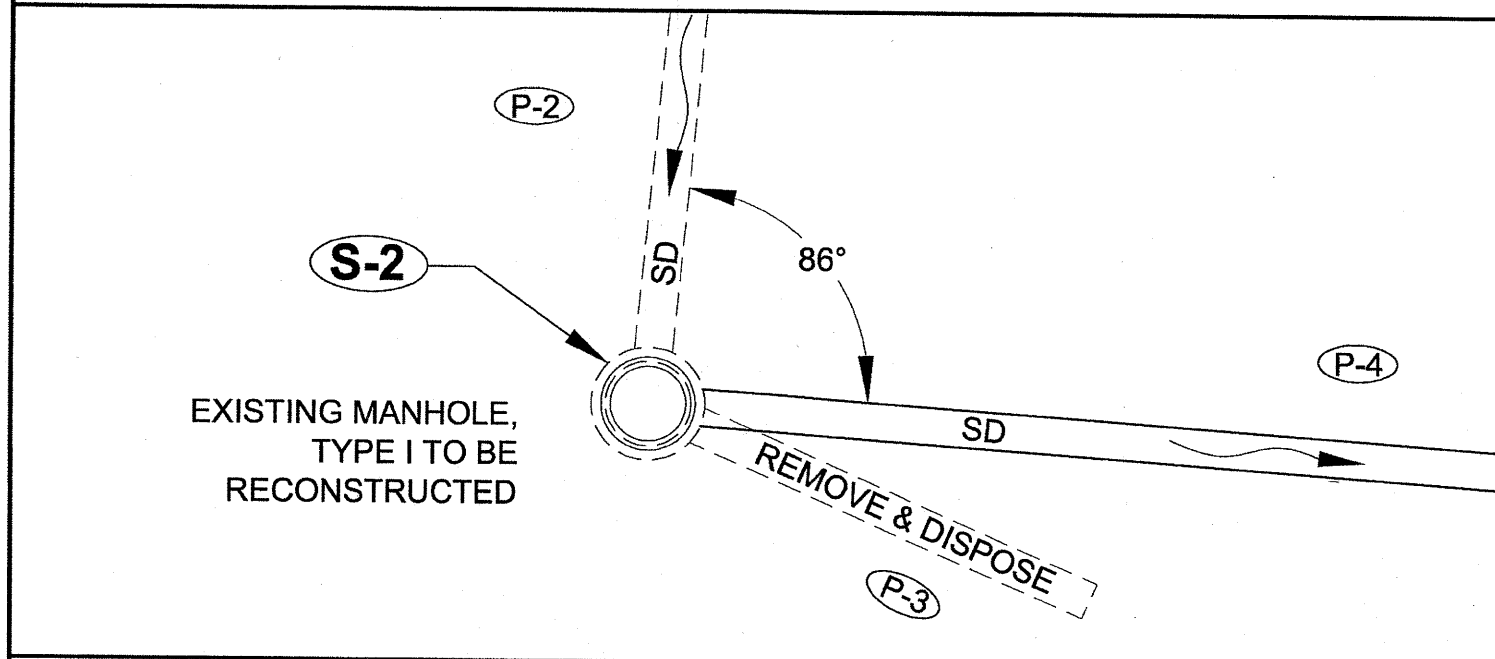
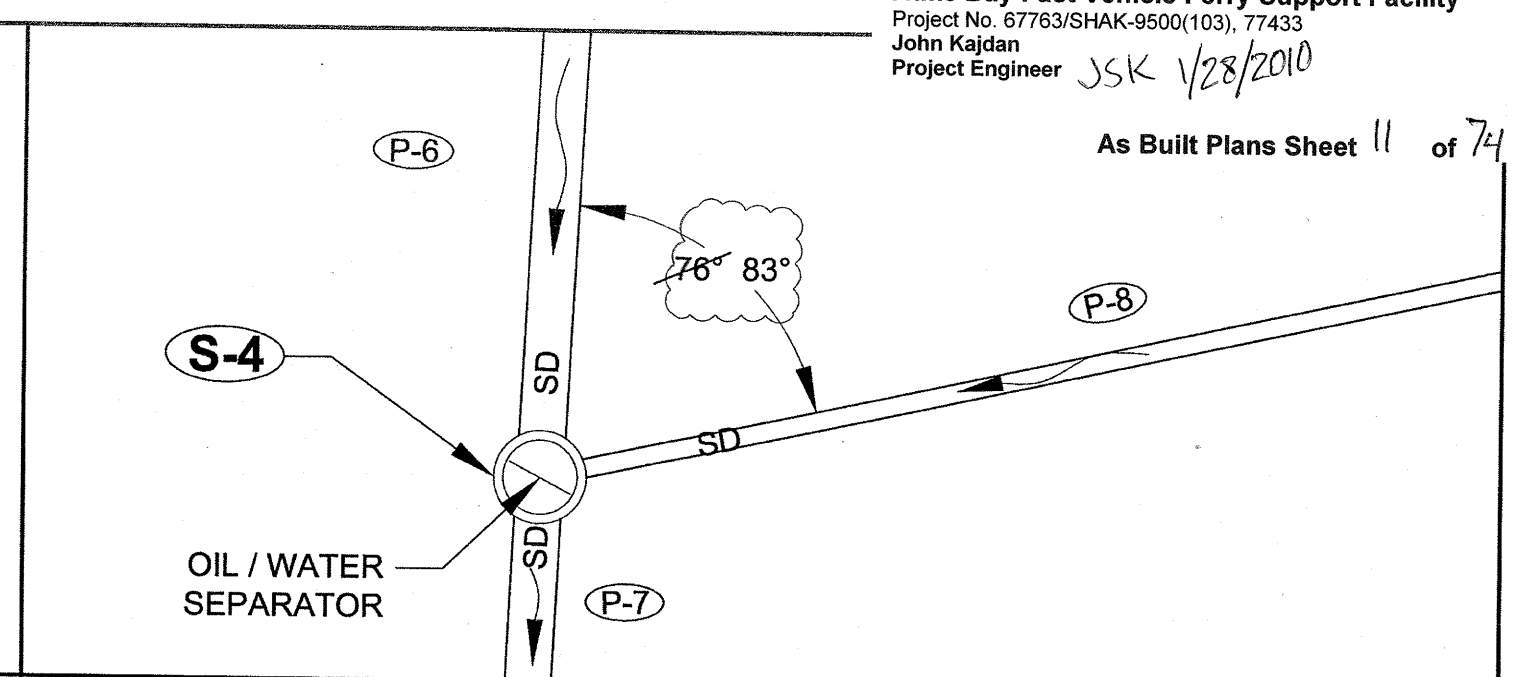
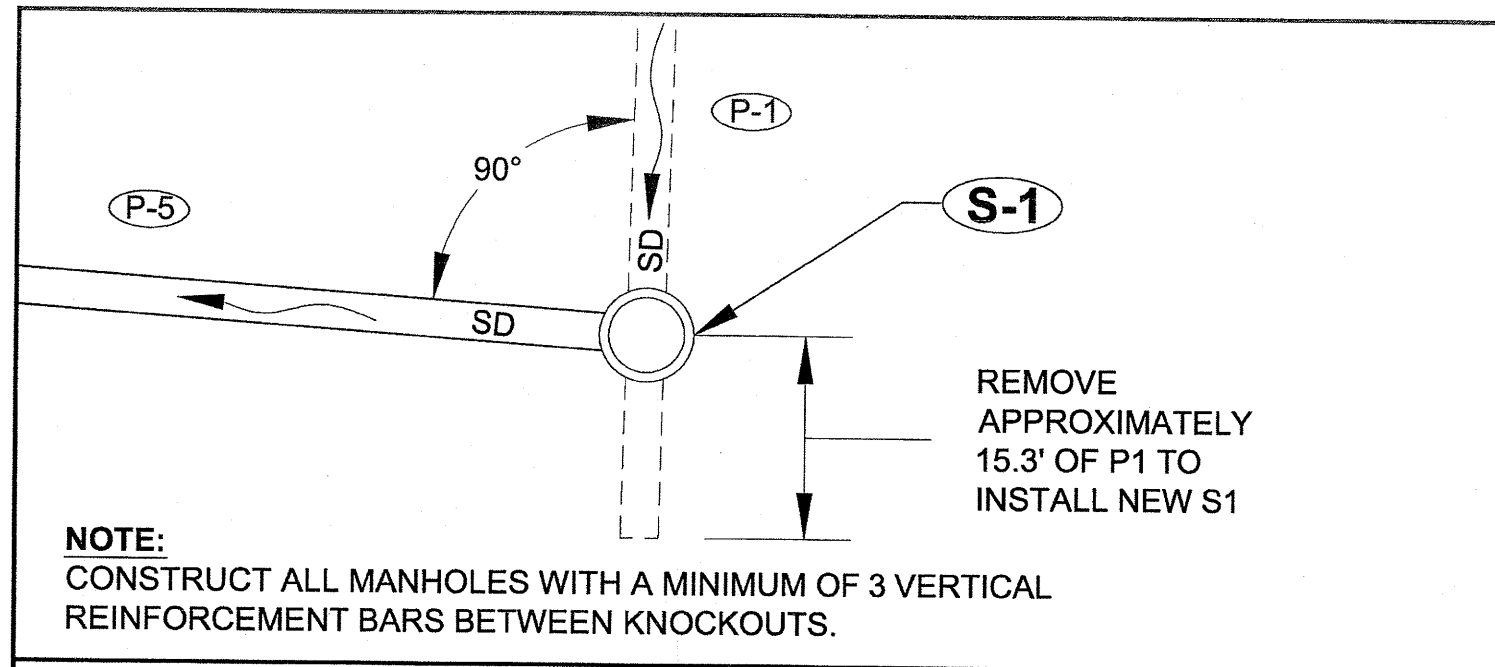
DRAINAGE STRUCTURE SUMMARY						
STRUCTURE NUMBER	NORTH COORDINATE	EAST COORDINATE	STRUCTURE TYPE	INLET TYPE	INVERT ELEVATION (MIN.)	GRATE / LID ELEVATION
S-1	10179.5	1144.0	MH TYPE I	FIELD	28.8	34.69
S-2	10179.5	1000.0	MH TYPE I		27.8*	35.92
S-3	10179.5	1050.0	MH TYPE II	FIELD	26.8	34.69
S-4	10028.7	1050.0	MH TYPE I	STANDARD CURB	22.3	31.65
S-6	10086.44	1193.8	INLET BOX	STANDARD CURB	29.3	33.00
S-4	10024.5	1050.0	MH TYPE I	STANDARD CURB	22.3	31.38
S-6	10038.76	1159.07	INLET BOX	STANDARD CURB	27.3	31.94
S-7	10063.4	1193.8	INLET	CURB	*CALCULATED ELEVATIONS	

BUILDING LAYOUT SUMMARY		
NORTH COORDINATE	EAST COORDINATE	REMARKS
10164.0	1170.0	NORTHEAST CORNER
10130.0	1170.0	SOUTHEAST CORNER
10164.0	1080.0	NORTHWEST CORNER
10130.0	1080.0	SOUTHWEST CORNER

Replaces Plan Sheet C3

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. HEUMANN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
		JNU-AMHS-AUKE BAY FAST VEHICLE FERRY SUPPORT FACILITY	
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DRAWN BY: D. STEVENS			
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TAB: C3 Friday, March 14, 2008 9:20:50 AM		BWBENNETT	
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	SHEET NO.
1	3/10/08	C.O. #1	TOTAL SHEETS
		SHAK-9500(103)	2007
		~ 67763	C3a



Replaces Sheet C4

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. HEUMANN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: M. LAVERING DRAWN BY: D. STEVENS		JNU-AMHS-AUKE BAY FAST VEHICLE FERRY SUPPORT FACILITY	
PATH: Q:\JNU\67763\PLANSET\MAR_08 CO#1167763_E_MISC DETAIL.DWG TAB: C4 Friday, March 14, 2008 9:19:38 AM BWBENNETT		SITE - DETAILS	
PROJECT DESIGNATION SHAK-9500(103) ~ 67763		YEAR 2007	SHEET NO. C4a
TOTAL SHEETS 74			

GENERAL NOTES

Standard Drawings: CBJ Standard 403 - Fire Hydrant
 CBJ Standard 407 - Mainline Valve
 CBJ Standard 413 - Bored Encasement
 CBJ Standard 414B - Thrust Blocks

Materials

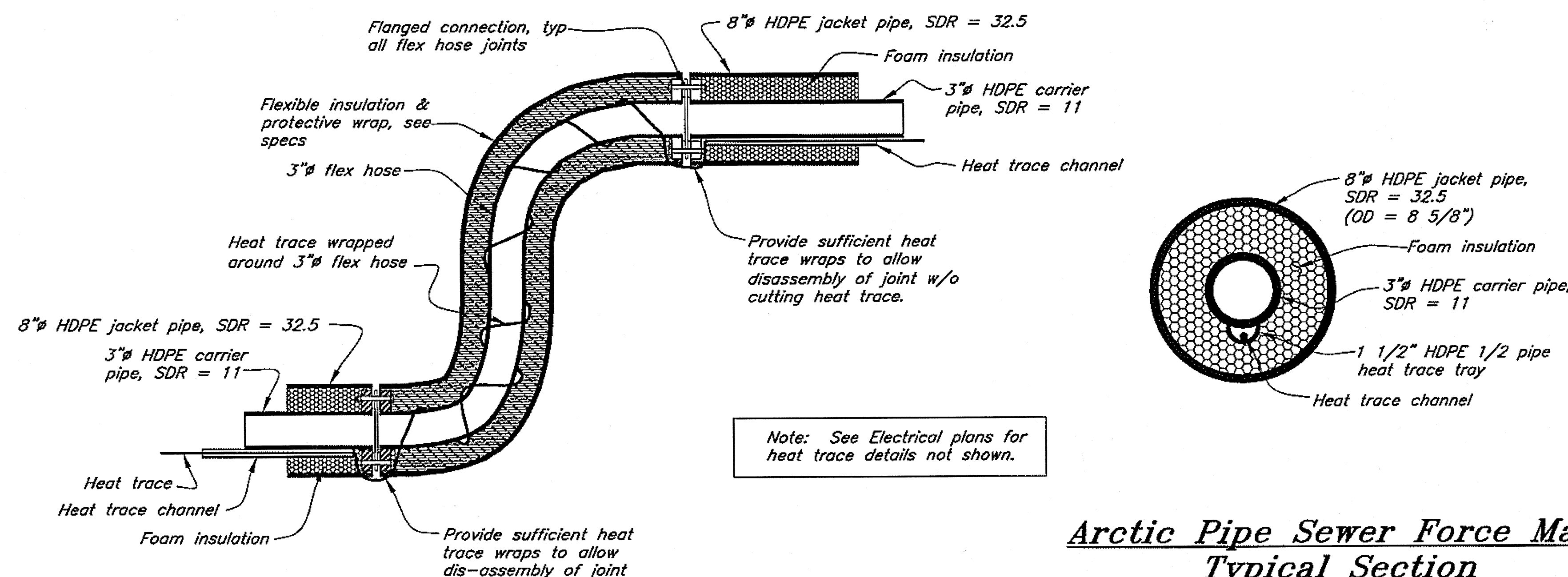
Concrete: Class A = 4000 psi.
 Polyethylene Pipe: High density polyethylene (HDPE) ASTM D3350. Diameter as Noted. SDR=11.0 (unless otherwise noted).
 PVC Pipe (Gravity Sewer): Use AWWA C900, DR=14 for all sewer pipe.
 Ductile Iron Pipe (Water): ANSI/AWWA C150. Use restrained, locking gaskets for all push-on joints.
 Flexible Hose: Rubber pressure hose. 150 psi pressure rating. Equip w/ factory pressed fittings.
 Hardware: As noted on Plans. ASTM A325 or A307, hot dip galvanized. Stainless steel ASTM T316.
 Heat Trace: 5 watt/foot, self limiting - see Electrical plans.
 Metal Fabrications: Steel shapes & plates shall be ASTM A36 and hot dip galvanized after fabrication.

Misc

Exact location of existing utilities unknown. Contact CBJ, Tel. 586-1333 prior to excavation.
 All HDPE pipe shall be fusion welded joints unless otherwise noted. Flanges shall be stainless steel, alloy T316.
 All steel welding shall be performed by qualified welders in accordance with AWS D1.1.
 Unless otherwise noted on the plans, all fillet welds are 1/4-inch minimum size.
 Repair all existing steel coatings and new welds with hot-stick galvanized repair methods.

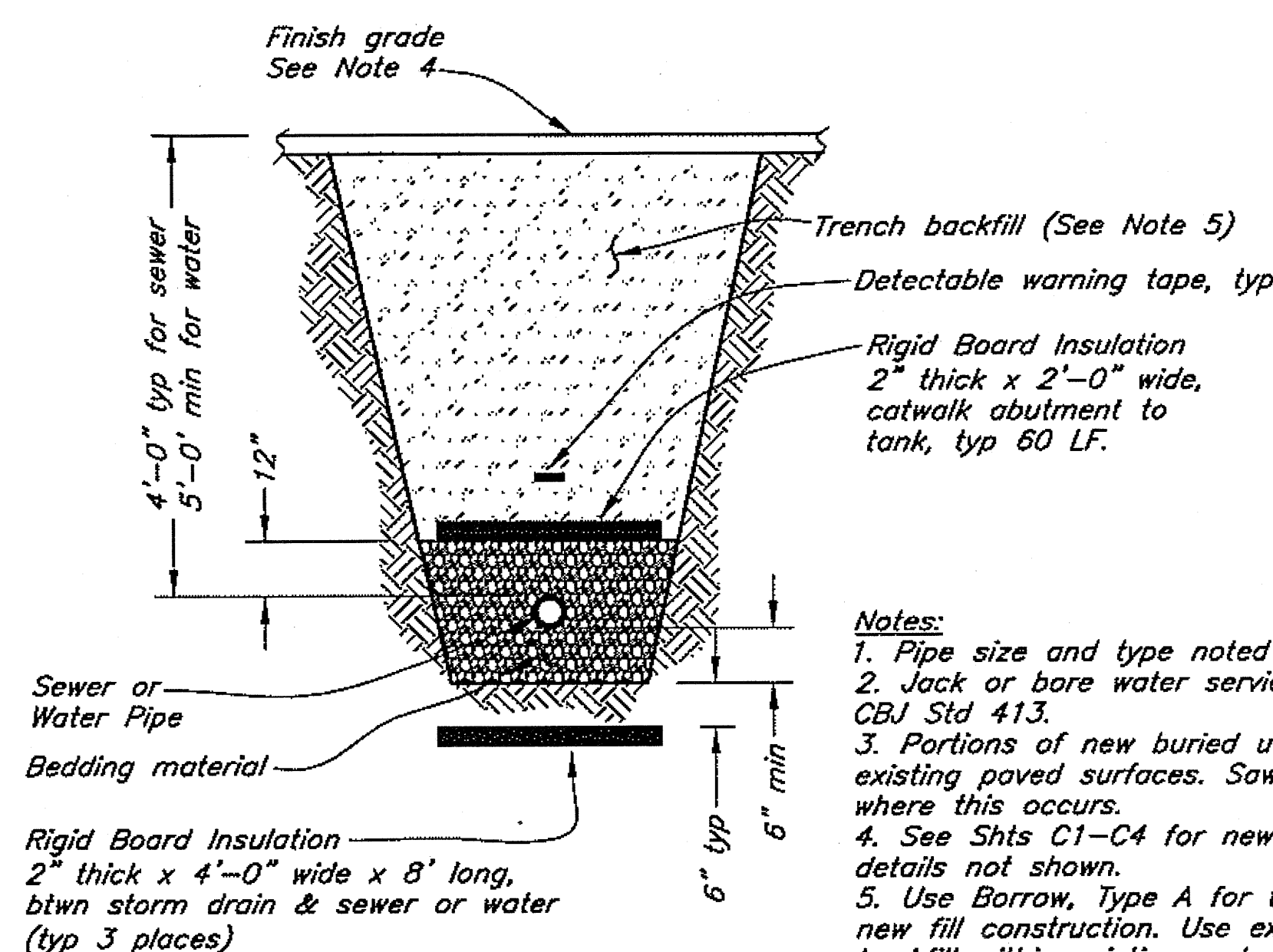
Sewage Tank Notes:

1. Storage tank shall be of reinforced fiberglass construction as manufactured by Containment Solutions, Inc. or approved equal. Tank shall be specifically designed for underground bury and wastewater containment in accordance with the Specifications and as indicated on the Plans.
2. Tank shall be equipped with integral manways and removable water-tight covers. Provide permanently mounted access ladders (fiberglass or stainless steel) inside each manway.
3. All tank bedding and earthwork details may not be shown. The tank manufacturer shall furnish final bedding, backfill and tank installation instructions.
4. The tank manufacturer and Contractor shall be responsible for the design and furnishment of any hold-down devices (straps/concrete anchors, etc.) as may be required to resist uplift forces due to submerged water levels indicated on the Plans.
5. Tank shall be equipped with force main and gravity pipe penetrations, vent pipe and suction pipe as generally noted on the Plans. The tank manufacturer shall be responsible for designing appropriate pipe penetrations into the tank and insuring compatibility with connection to other pipes and differential movement due to tank settlement. All fittings shall be stainless steel flanged or other approved mechanical joint type. All connection hardware shall be stainless steel.
6. Furnish and install an activated carbon type air filter on the vent pipe. Filter shall be as manufactured by Sweet Septic Systems or Orenco Systems or approved equal.
7. The tank shall be equipped with a high-water alarm and tank level gage. The high water alarm shall consist of a float switch and associated red warning light indicating that the tank is 75 percent full. The tank level gage shall be a hand operated air-bubbler system or other approved device (see specifications). Electrical conduits not shown. See Electrical Plans.
8. Mount the alarm, level gage and vent pipe riser to steel or treated timber posts affixed to the back-side of the guardrail approx 2-feet above top of guardrail. Submit details of risers and post attachment to the Engineer for approval.

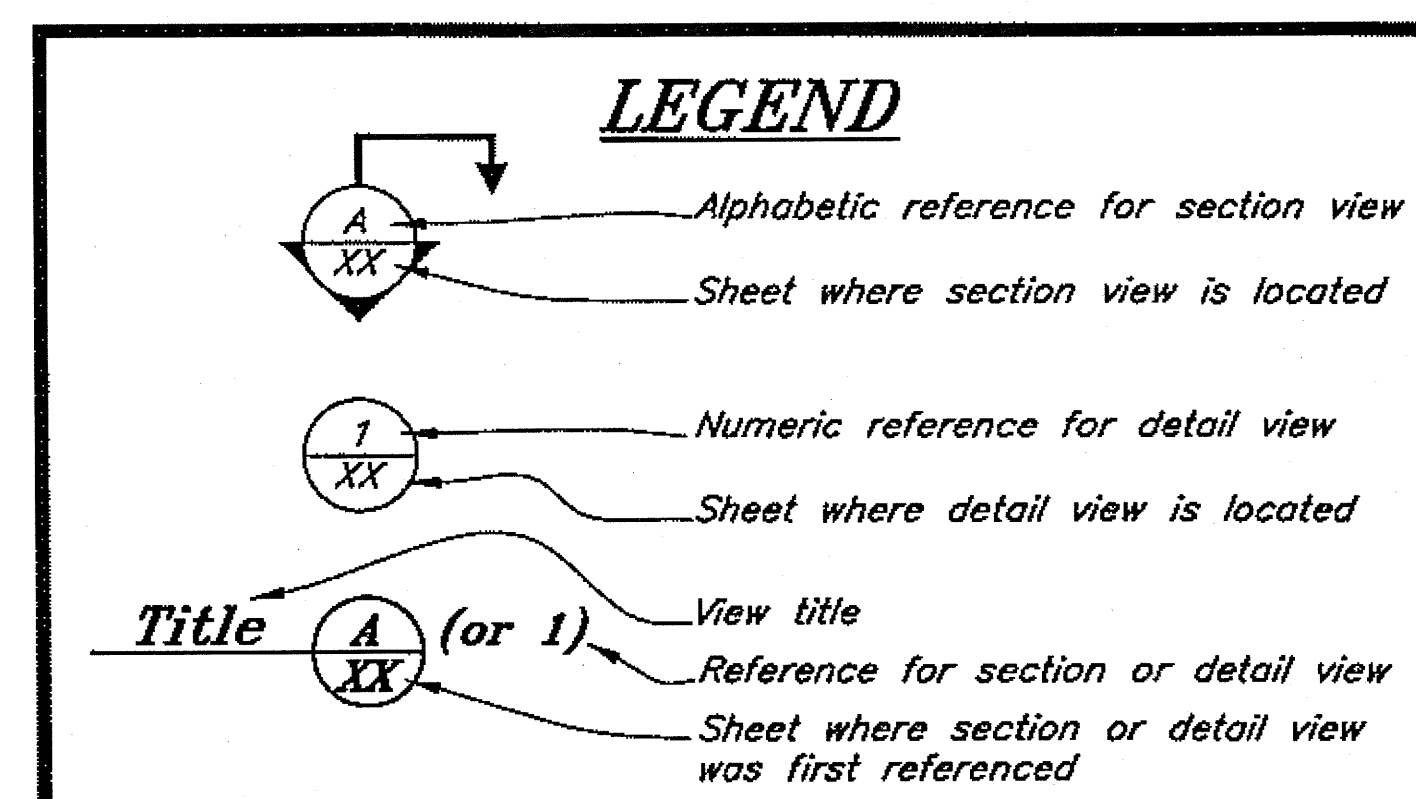


Arctic Pipe Sewer Force Main
 Typical Section

Arctic Pipe Sewer Force Main
 Typ. Longitudinal Section at Connections

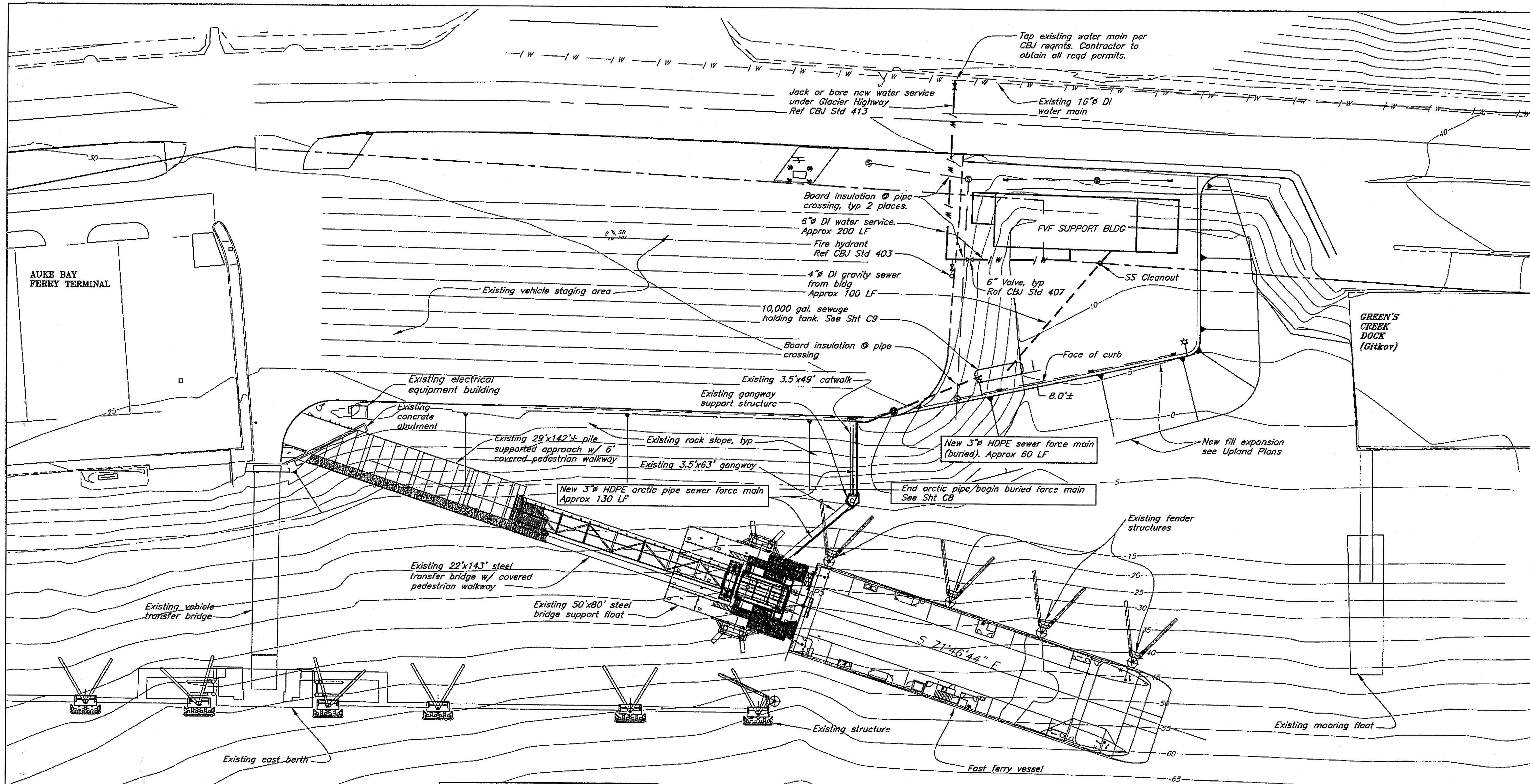


Typical Utility Trench Section

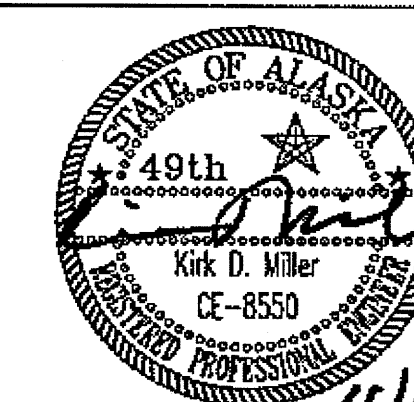


DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: K. Miller		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU-AMHS-AUKE BAY FAST VEHICLE FERRY SUPPORT FACILITY				
CHECKED BY: J. Beedle		UTILITIES - GENERAL NOTES AND DETAILS				
DRAWN BY: C. Fuman		11/15/07				
PATH: Q:\jnu\67763\Plans\Oct_07_PS&E\C5 Misc Notes Quantities.dwg		Wed, 14/Nov/07 09:58AM				
PLOT: PSPACE 1=1						
REVISIONS		PROJECT DESIGNATION		YEAR	SHEET NO.	TOTAL SHEETS
		SHAK-9500(103)		2007	C5	52
		Proj. No. 67763				



DESIGNED BY: K. Miller



CHECKED BY: J. Beedie
 DRAWN BY: B. Bennet/C. Fuman

PATH: Q:\nu\67763\Plan\Set\Oct_07_PS&E\C6 Site Plan.dwg
 PLOT: PSPACE 1=1

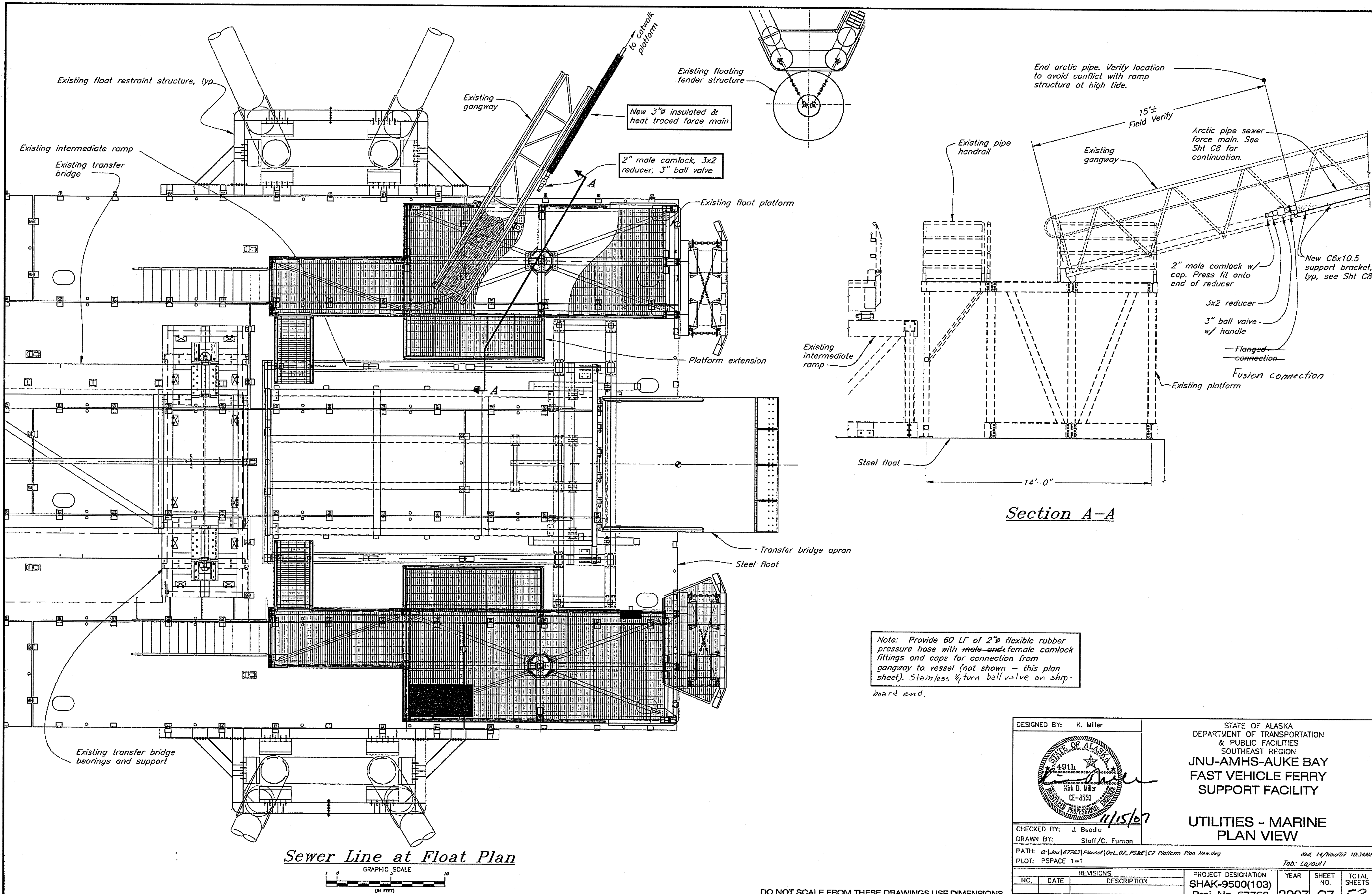
Wed, 14/Nov/07 10:16AM
 Tab: Layout C6

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 JNU-AMHS-AUKE BAY
 FAST VEHICLE FERRY
 SUPPORT FACILITY

UTILITIES - PLAN VIEW

NO.	DATE	REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
		DESCRIPTION					
				SHAK-9500(103)	2007	C6	52
				Proj. No. 67763			

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS





Section A-A



DESIGNED BY: K. Miller  <i>K. D. Miller</i> K. D. Miller CE-8550 <i>4/15/07</i>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU-AMHS-AUKE BAY FAST VEHICLE FERRY SUPPORT FACILITY FORCE MAIN AT GANGWAY, ACCESS DOLPHIN & CATWALK
CHECKED BY: J. Beedie DRAWN BY: D. Blackburn, C. Fuman	PATH: Q:\Jnu\67763\Plans\Oct_07_P5&E\C8 Access Dolphin - NEW 9-13-07.dwg PLOT: PSPACE 1=1

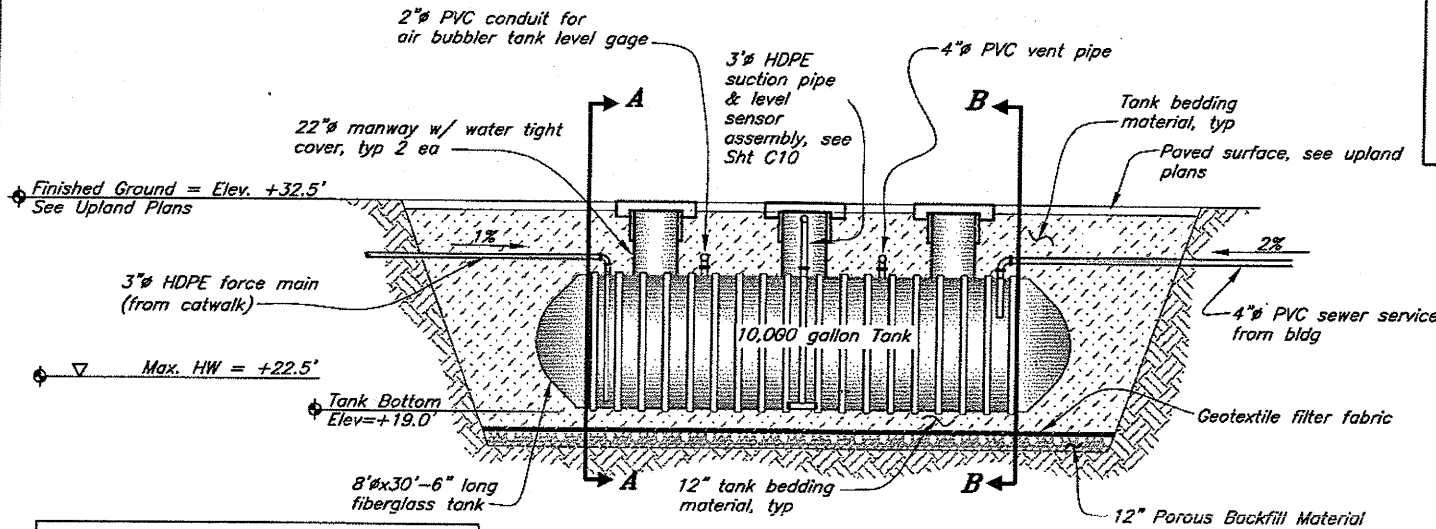
Wed, 14/Nov/07 10:46

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	SHAK-9500(103) Proj. No. 67763	2007	C8	52

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

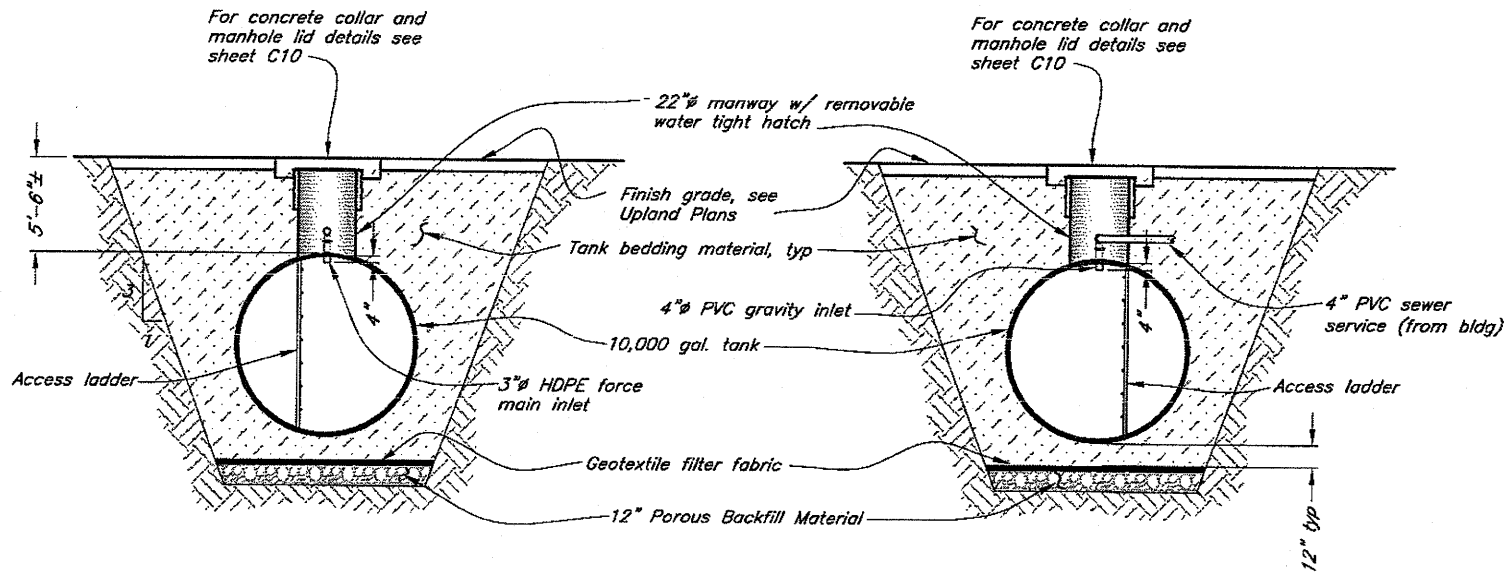
Notes:

1. See Sheet 2 for tank notes
2. See Electrical Plans for electrical conduits and wiring not shown.
3. Affix air vent, air bubbler gage & alarm light to backside of guardrail w/ posts. Details not shown.
4. Tank uplift anchors not shown. Provide & install anchors per manufacturers recommendations.



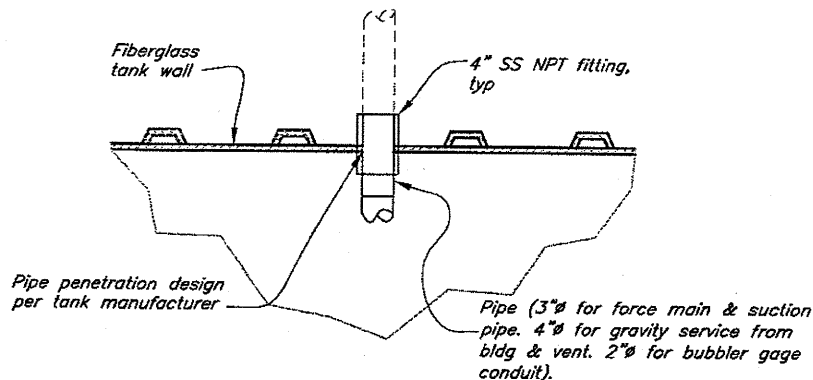
Note: Provide uniform grade and slope force main and gravity sewer pipe towards tank. Contractor to determine final invert elevations for inlet and outlet piping.

Sewage Holding Tank Elevation

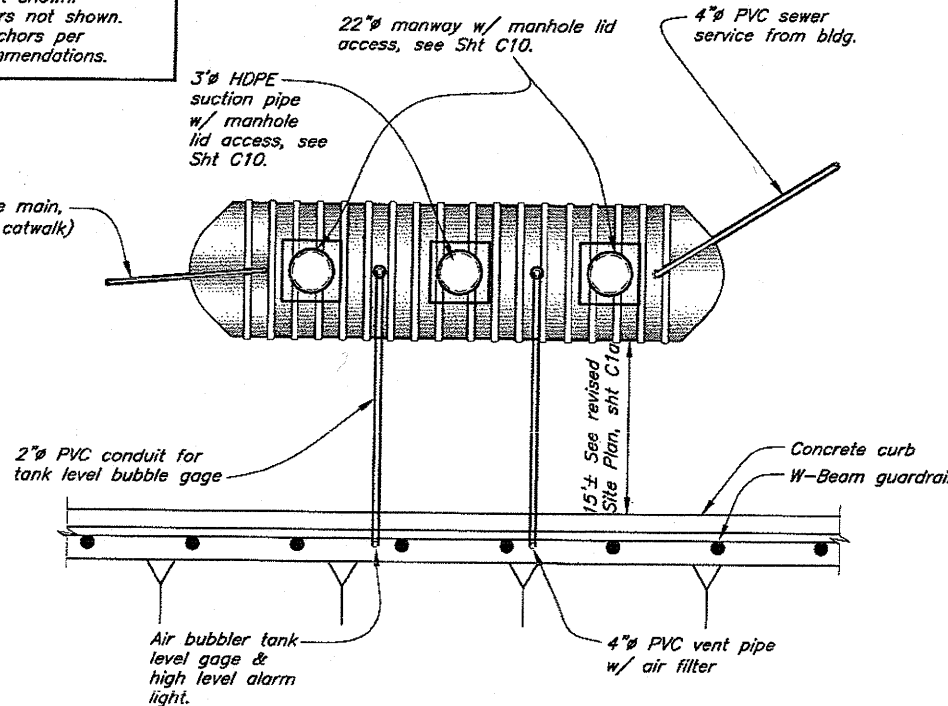


Section A-A

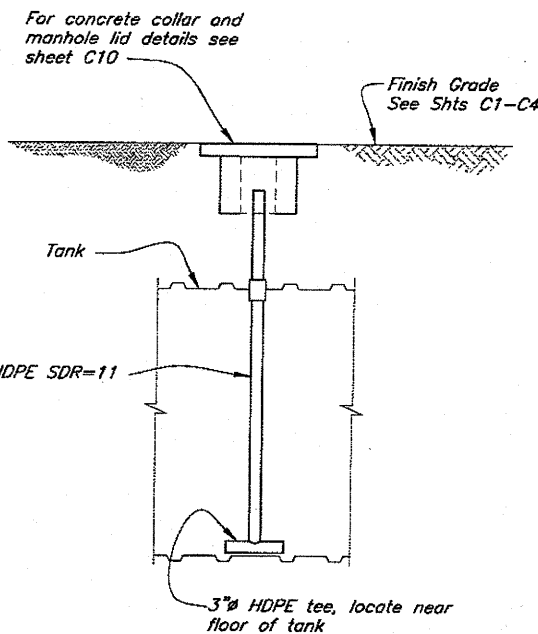
Section B-B



Typical Pipe to Tank Connection



Sewage Holding Tank Plan



Suction Pipe Detail

REVISED 5/12/08

DESIGNED BY: K. Miller		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU-AMHS-AUKE BAY FAST VEHICLE FERRY SUPPORT FACILITY			
CHECKED BY: J. Beedle		UTILITIES - SEWAGE HOLDING TANK DETAILS			
DRAWN BY: C. Fuman					
PATH: Q:\Jnu\67763\4F\Construction Mods\08\C9 TankDetails.dwg					
PLOT: PSPACE 1=1		Mon, 12/May/08 02:29PM			
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION			
		SHAK-9500(103)	2007	C9a	
		Proj. No. 67763			

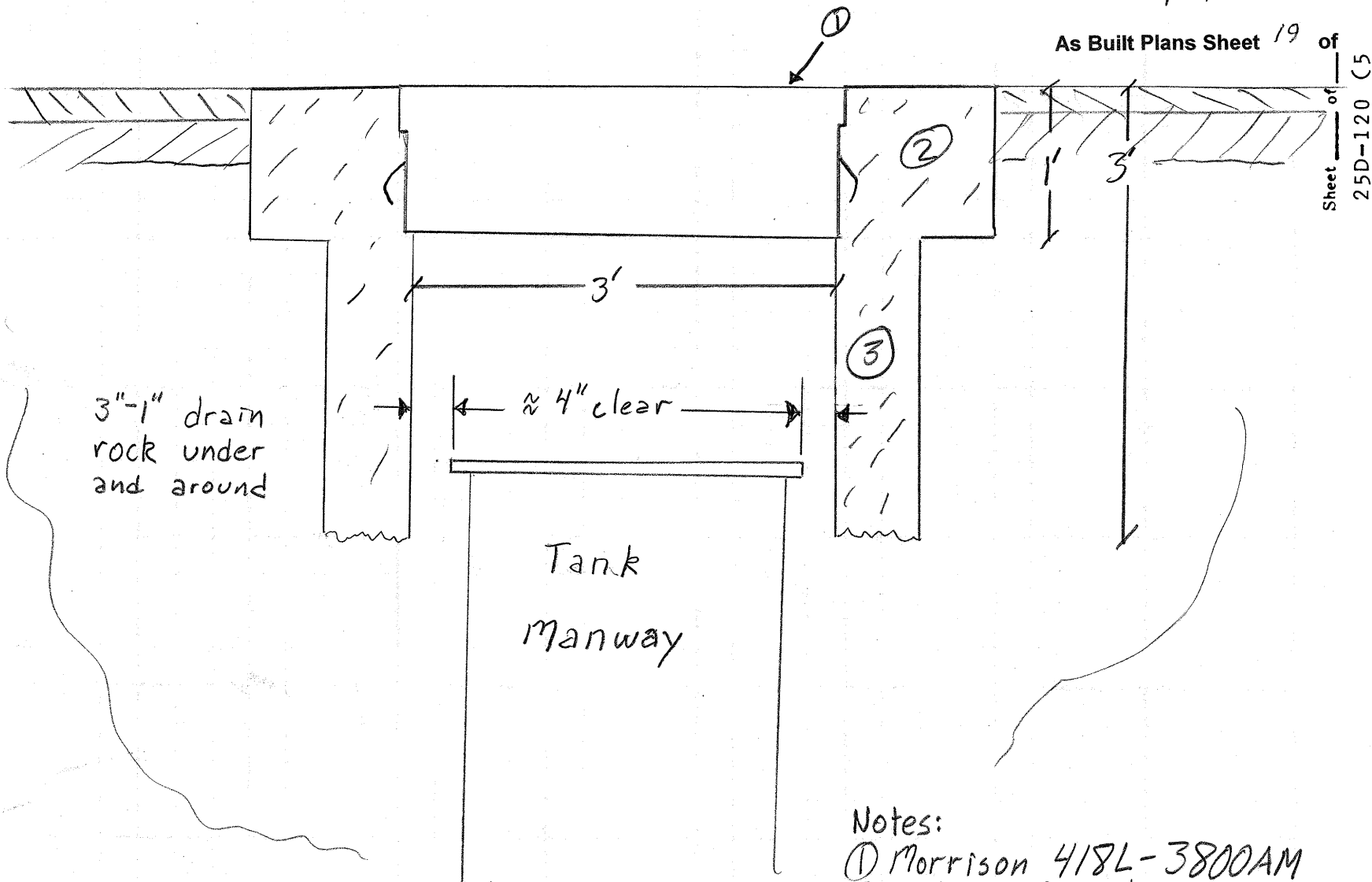
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
Computations

Item No. _____

DATE _____
Project No. 67763
Project Name Auke Bay
Calc. by _____
Checked By _____

For _____

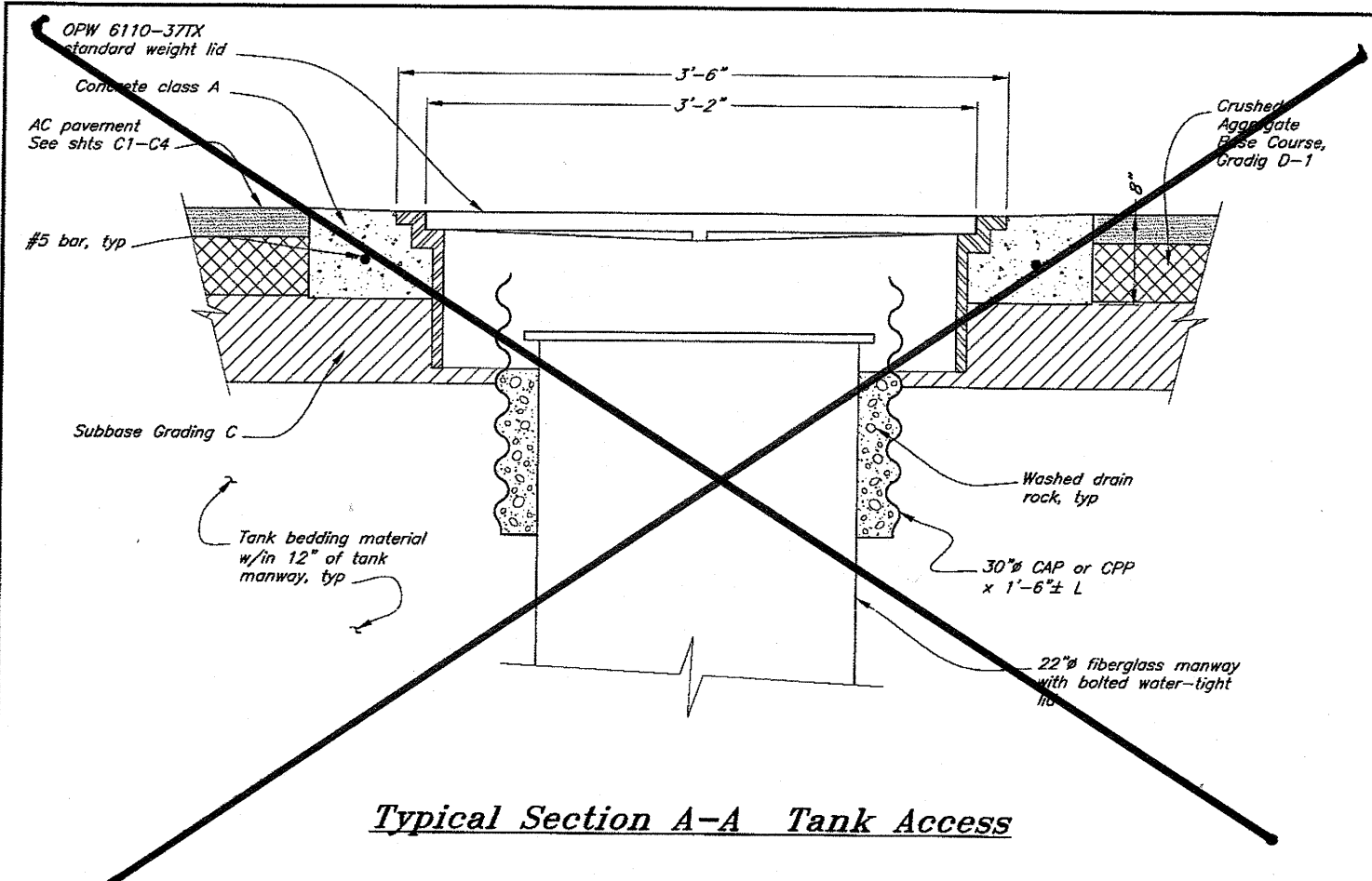


Auke Bay Fast Vehicle Ferry Support Facility
Project No. 67763/SHAK-9500(103), 77433
John Kajdan
Project Engineer JSK 1/28/2010

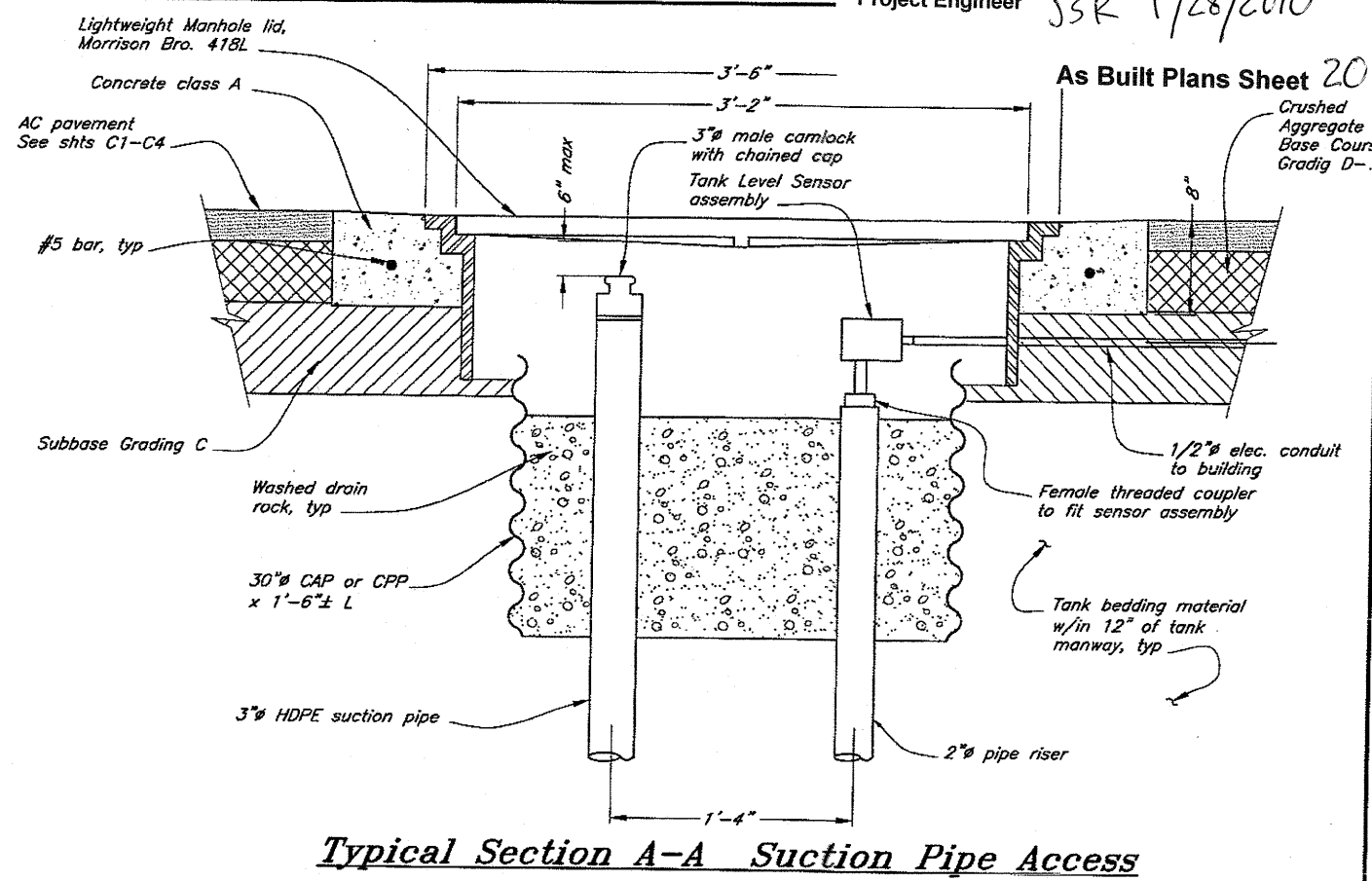
As Built Plans Sheet 19 of
Sheet 25D-120 C5

- Notes:
- ① Morrison 418L-3800AM
 - ② 12" reinforced concrete
 - ③ un-reinforced concrete formed inside 2' length of 48" CPP

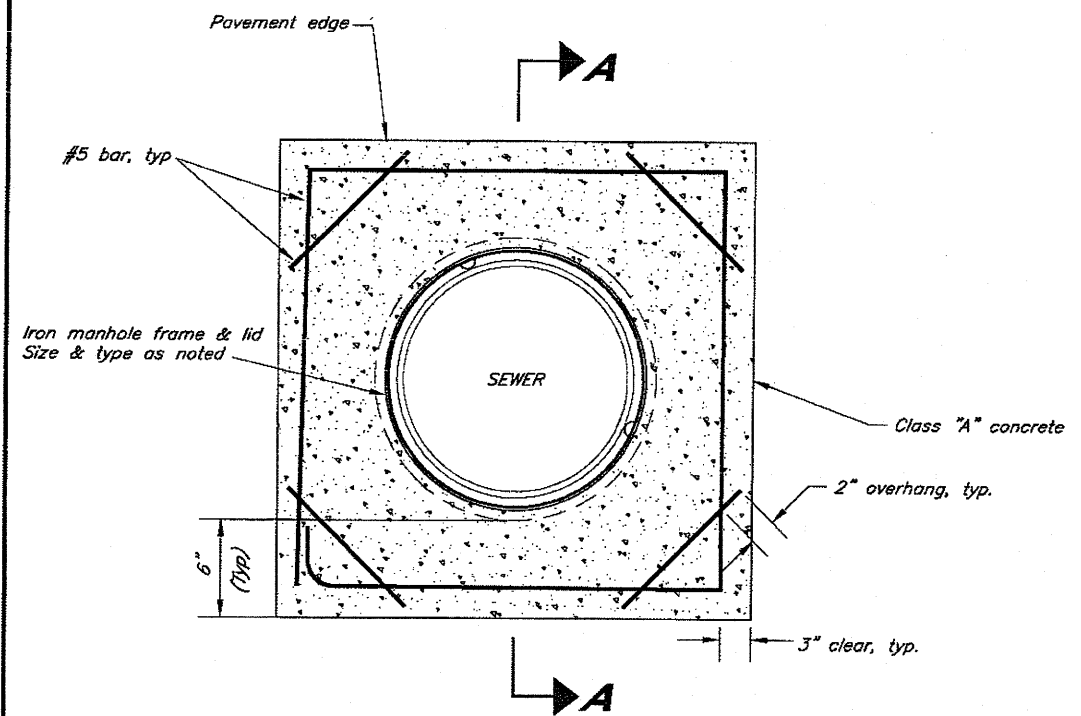
Replaces detail shown sheet C-10a



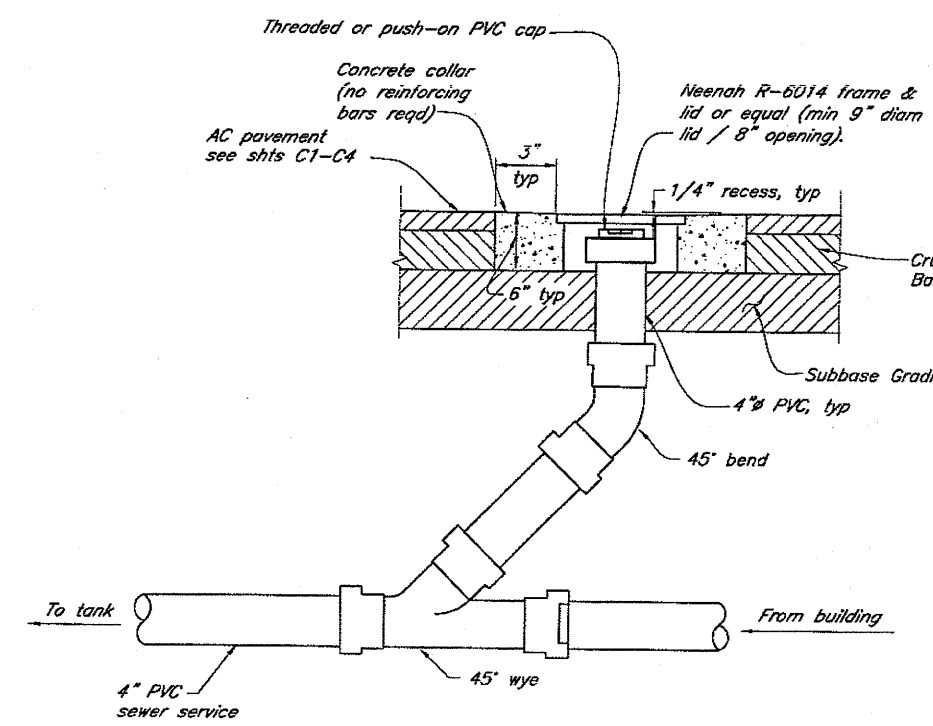
Typical Section A-A Tank Access



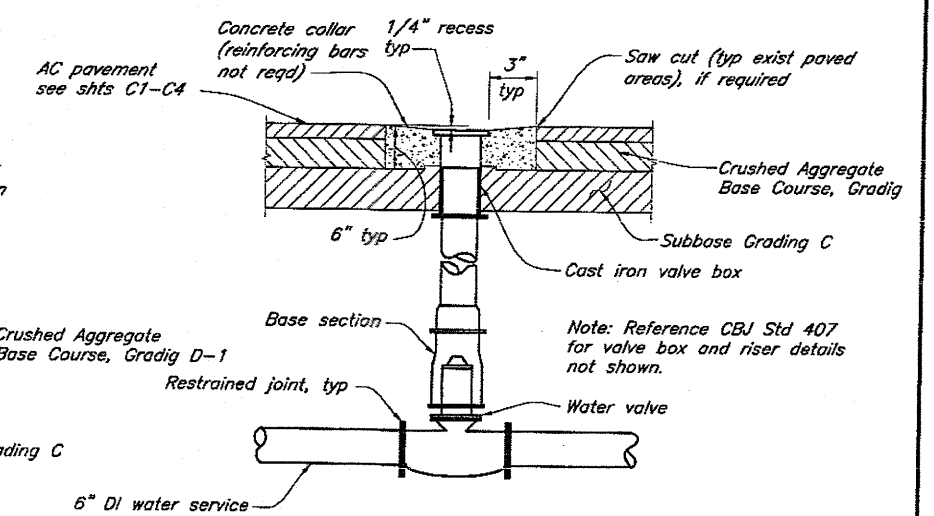
Typical Section A-A Suction Pipe Access



Typ Utility Access Cover Plan



Sanitary Sewer Cleanout Detail



Valve Box Detail

REVISED 5/12/08

DESIGNED BY: K. Miller

CHECKED BY: J. Beedle
 DRAWN BY: C. Furman

PATH: 0:\nu\67763\AF\Construction Mode 09\C10 Misc Details.dwg
 PLOT: PSPACE 1=1

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION
 JNU-AMHS-AUKE BAY
 FAST VEHICLE FERRY
 SUPPORT FACILITY

UTILITIES - MISCELLANEOUS DETAILS

NO.	DATE	DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS

PROJECT DESIGNATION
 SHAK-9500(103)
 Proj. No. 67763

2007 C102a

Mon, 12/May/08 02:14PM

2003 INTERNATIONAL BUILDING CODE
2003 INTERNATIONAL RESIDENTIAL CODE
2003 INTERNATIONAL MECHANICAL CODE
2003 UNIFORM PLUMBING CODE
2003 INTERNATIONAL FUEL GAS CODE
2003 INTERNATIONAL FIRE CODE
2002 NATIONAL ELECTRIC CODE

LOCAL MODIFICATIONS: AS MODIFIED BY CBJ TITLE 19.

JNU ALASKA BAY FIVE UTILITIES
 8/22/07
 SITE ADDRESS?
 AHEAD DESCRIPTION:
 AHEAD
 DESIGN ALASKA, 601 COLLEGE ROAD, FAIRBANKS, ALASKA, 99701
 ARCHITECT: WILLIAM C. PAYTON
 ELECTRICAL ENGINEER: BOB GRAS
 STRUCTURAL ENGINEER: MICHAEL DEAN
 CONSULTANT: NOT REQUIRED
 CONTRACTOR: TBD BY OPEN BID.
 CONTACT PERSON: WILLIAM C. PAYTON

PROJECT IS NEW CONSTRUCTION		
BUILDING CODE EDITION: 2003 IRC		
EXISTING LOT/BUILDING USE: N/A		
PROPOSED USE OF EACH ROOM OR SPACE:		OCCUPANCY CLASSIFICATION
ROOM #	USE	
101	VEHICLE STORAGE, FOOD STORAGE	S-1
102	FOOD STORAGE	S-1
103	CLEANING SUPPLY STORAGE	S-1
106	JANITOR/LAUNDRY	B INCIDENTAL USE
107	RESTROOM/SHOWER	B INCIDENTAL USE
108	HALLWAY/BREAK AREA	B INCIDENTAL USE
109	OFFICE	B
110	BOILER ROOM/ELECTRICAL EQUIPMENT	B INCIDENTAL USE
111	ELECTRICAL EQUIPMENT MAINTENANCE	S-1
112	VEHICLE STORAGE, MARINE EQUIPMENT MAINTENANCE	S-1
201	MARINE EQUIPMENT STORAGE	S-1
202	VENTILATION EQUIPMENT	S-1 INCIDENTAL USE
203	COMMUNICATIONS EQUIPMENT	B INCIDENTAL USE
204	PARTS STORAGE	S-1

NUMBER OF DWELLING UNITS, EXISTING AND PROPOSED: N/A
OCCUPANCY GROUPS 2003 IBC: B, 5-1
CONSTRUCTION TYPE REQUIRED: V-B
ACTUAL CONSTRUCTION TYPE: V-B
AUTO FIRE EXTINGUISHING AND/OR FIRE ALARM SYSTEM PROVIDED? REQUIRED?
ALLOWABLE BUILDING HEIGHT: S-1: 1 STORY
R: 2 STORIES

ACTUAL BUILDING HEIGHT: 2 STORIES, 25'-8".
 ALLOWABLE AREA (SHOW CALCULATIONS): S-1: 8500 SF,
 B: 9006 SF,
 ACTUAL BASEMENT FLOOR AREA AND OCCUPANT LOAD: N/A
 ACTUAL GROUND FLOOR AREA AND OCCUPANT LOAD: 3060 SF.
 ACTUAL FLOOR AREA OF SECOND FLOOR: 1830 SF.
 TOTAL FLOOR AREA: 4890 SF.
 NON-SEPARATED USES PER 2003 IBC, SECTION 302.

OCCUPANCY SEPARATION: NONE REQUIRED; BUILDING FULFILLS IBC 2003 REQUIREMENT FOR NON-SEPARATED USES, PER 302.3.2, THUS, NO FIRE BARRIERS ARE REQUIRED.

INCIDENTAL USE AREAS: BOILER OR OVER 400,000 BUTH, HOWEVER, SINCE BUILDING IS SPRINKLERED, BOILER ROOM DOES NOT REQUIRE SEPARATION.

BUILDING REQUIREMENTS:
STRUCTURAL FRAME: NON-RATED
BEARING WALLS: NON-RATED
NON-BEARING WALLS: NON-RATED
FLOOR CONSTRUCTION: NON-RATED
DOOR CONSTRUCTION: NON-RATED
EXTERIOR WALL CONSTRUCTION: NON-RATED

DISTANCE TO PROPERTY LINES: ~.
RATED EXTERIOR WALLS NOT REQUIRED.
PROJECTED OPENINGS NOT REQUIRED.

(E) EXISTING

1 FIRST FLOOR PLAN

OFFICE 202-318

ROOM NUMBER A5 1/32" = 1'-0"

DETAIL NUMBER

TITLE

SCALE

SHEET LOCATION

PLAN NORTH

KEY NOTE - APPLIES TO THAT SHEET ONLY

GRID LINE

CFDI	OWNER FURNISHED OWNER INSTALLED
CFDI	OWNER FURNISHED CONTRACTOR INSTALLED
NIC	NOT IN CONTRACT
UNO	UNLESS NOTED OTHERWISE
CFDI	OWNER FURNISHED CONTRACTOR INSTALLED

DETAIL NUMBER

SHEET LOCATION

SECTION NUMBER

SHEET LOCATION

DETAIL LETTER OF INTERIOR ELEVATION

SHEET LOCATION

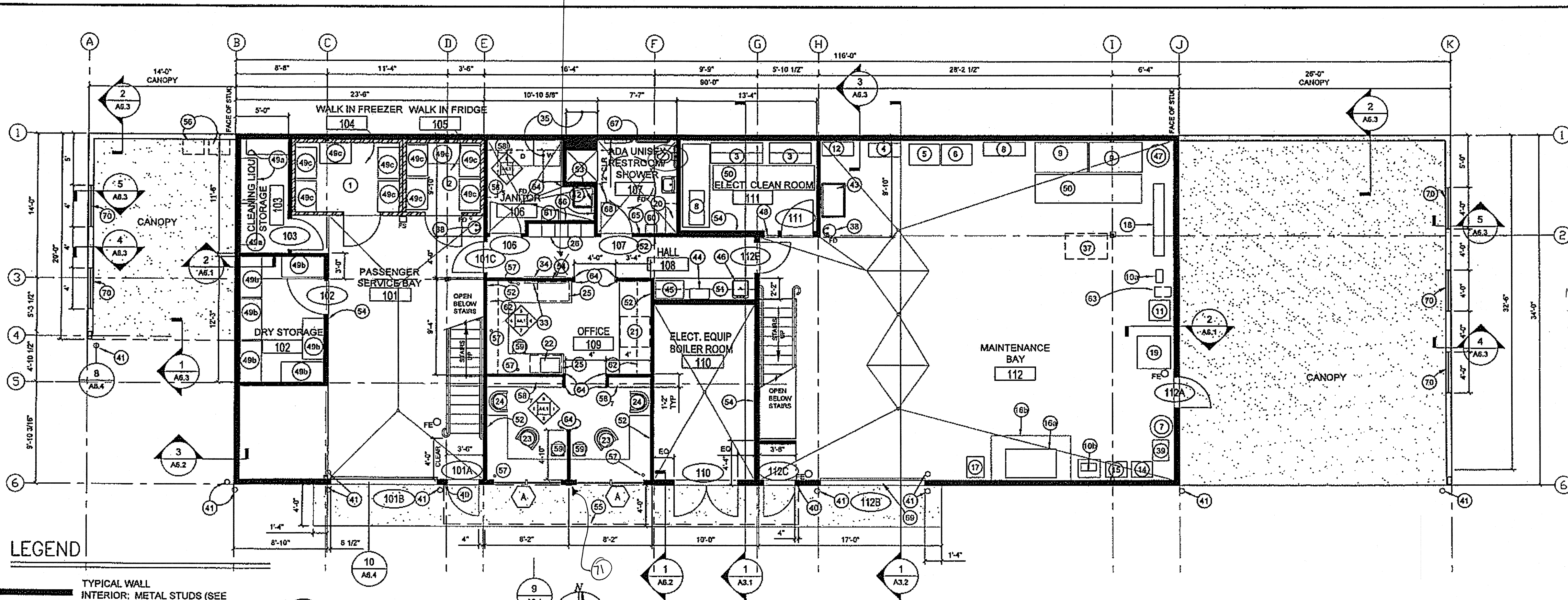
1. FLOOR ELEVATION 100'-0" = 35.68' ELEVATION SHOWN ON CIVIL DRAWINGS OF PROJECT 67763.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: _____  4/14/07	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION CODES, GENERAL NOTES & LEGEND
DESIGNED BY: WCP DRAWN BY: TJY	PATH: P:\040708\AVAC\040708_01.S.DWG DATE: Thursday, November 1, 2007

4" stud wall per DCVR #14 6/13/08 Response

Noted: Fil original spec
for wall mount water closet,
changed to floor mount water closet
per Design Alaska 6/18/08
response to DCVR #7



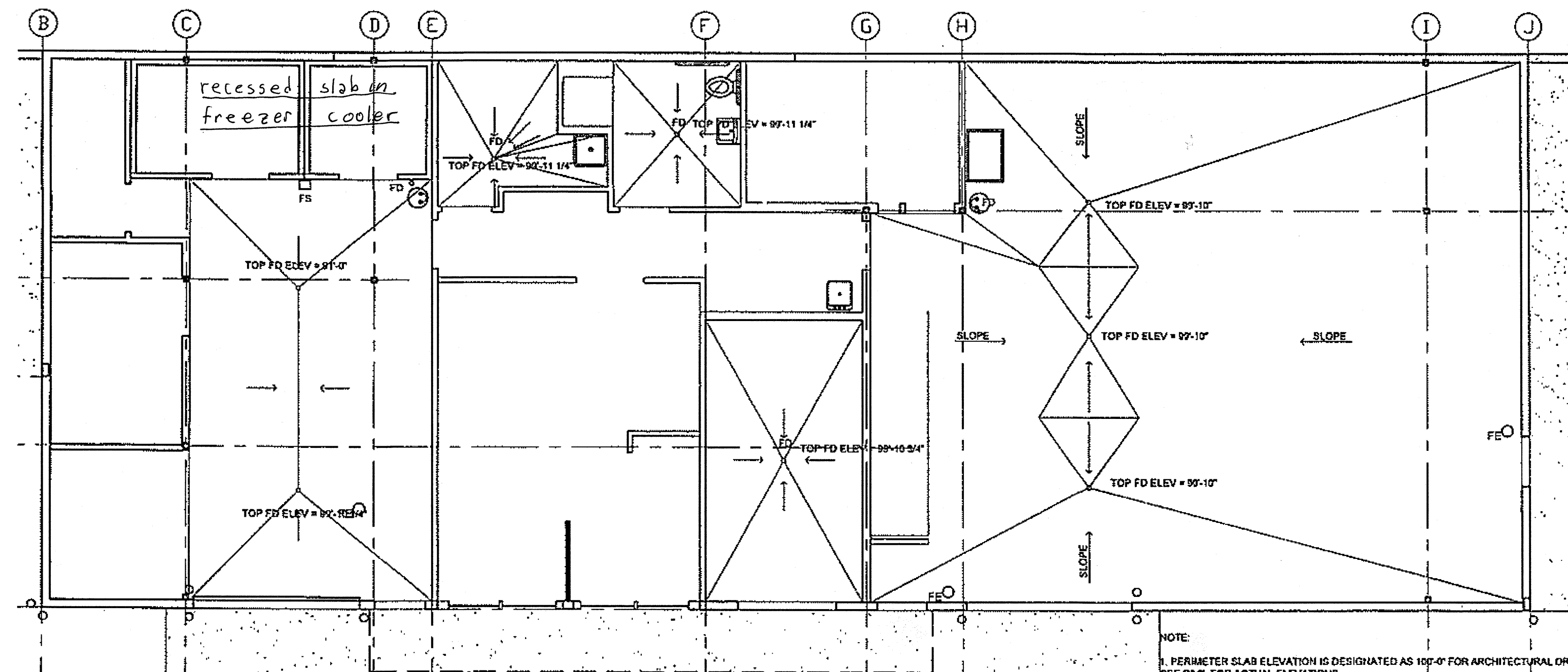
LEGEND

TYPICAL WALL
INTERIOR: METAL STUDS (SEE
STRUCTURAL FOR STUD SIZE AND
SPACING), SEE 1/S2.1 FOR SHEAR WALLS
EXTERIOR: METAL STUDS, SEE 1/S2.1
FOR STUD SIZE AND SPACING

EXTERIOR WALLS @ CANOPY, SEE 1/S2.1 FOR SOOD STUD SIZE AND SPACING

1 GROUND FLOOR PLAN

A1.1 3/16"=1'-0"



2 SLAB DRAINAGE/ELEVATION PLAN

A1.1 3/16"=1'-0"

KEYNOTES (ALL ITEMS CFCI, UNLESS NOTED OTHERWISE)

- 1 WALK-IN FREEZER ON RECESSED SLAB
- 2 WALK-IN COOLER ON RECESSED SLAB
- 3 15' X 15' X 10" LOCKERS, IN RECESS TO SUIT LOCKERS, +/- 1'-4" X +/- 5'-4 1/2"
- 4 TOOL BOX ON ROLLERS
- 5 SOLVENT TANK
- 6 BEAD BLASTER
- 7 HAZ. TRASH CONTAINER
- 8 4'-WIDE X 7'-HIGH TOOL CABINET
- 9 MAINTENANCE SHOP WORK BENCH W/ PEG BOARD ABOVE, 5'-2" LONG W/ AIR COMP. HOSE FITTING ON WALL
- 10 GRINDER, SMALL, OFCI
- 11 GRINDER, LARGE, OFCI
- 12 DRILL PRESS, OFCI
- 13 HAZARDOUS MATERIALS FLAMMABLE STORAGE LOCKER
- 14 NOT USED
- 15 ELEC. WELDER (MIG) PORTABLE, 450V., OFCI
- 16 ELEC. ARC WELDER PORTABLE, 450V., OFCI
- 17 3 PANEL WELDING CURTAIN
- 18 WELDING TABLE
- 19 MOBILE WELD. VENTILATION W/ SHORVEL VENT
- 20 LATHE 48V., OFCI
- 21 HYDRAULIC PRESS, OFCI
- 22 WOOD BENCH
- 23 FLAT FILE BELOW LAYOUT COUNTER
- 24 FAX/COPIER/PRINTER, OFCI
- 25 OFFICE CHAIR
- 26 VISITOR CHAIR
- 27 LATERAL FILES BELOW COUNTER
- 28 15' X 15' X 10" LOCKERS, IN RECESS TO SUIT LOCKERS, +/- 1'-4" X +/- 5'-4 1/2"
- 29 NOT USED
- 30 NOT USED
- 31 NOT USED
- 32 NOT USED
- 33 4' X 4' MARKER BOARD
- 34 4' X 4' TACK BOARD
- 35 4'-37" TO SUIT SHOWER UNIT
- 36 NOT USED
- 37 OIL/WATER SEPARATOR, SEE 1M3.1
- 38 EMERGENCY SHOWER / EYE WASH
- 39 PLASMA CUTTER, OFCI
- 40 DOOR BELL
- 41 BOLLARD
- 42 FLOOR MOUNTED SINK
- 43 S.S. UTILITY SINK
- 44 MICROWAVE
- 45 BELOW COUNTER REFRIGERATOR
- 46 SINGLE COMPARTMENT SINK
- 47 AIR COMPRESSOR, OFCI, SEE MECH
- 48 18" WIDE RELITE
- 49a STAINLESS STEEL WIRE SHELVING, 18" X 48" X 80"
- 49b STAINLESS STEEL WIRE SHELVING, 24" X 48" X 80"
- 49c STAINLESS STEEL WIRE SHELVING, 24" X 36" X 80"
- 50 ANTI-FATIGUE MAT
- 51 COFFEE STATION, UPPER & BASE CABINETS, SEE 2M3.1
- 52 ACoust. WALL W/ FULL TUNCK BATT INSUL AND 2 LAYER 5/8" GYP. BD. ON ROOM SIDE
- 53 MOP RACK, SEE SECTION 15450
- 54 2x6 STUDS, CENTER WALL ON GRID
- 55 LINE OF CANOPY ABOVE
- 56 REMOTE WALK-IN FREEZER/COOLER CONDENSER UNITS
- 57 3" B PLASTIC GROMETED OPENING THROUGH COUNTERTOP
- 58 3/4" PLYWOOD SHELVES W/ PLASTIC LAMINATE FINISH AND PLASTIC EDGING ON HEAVY-DUTY STANDARDS AND BRACES, NUMBER BESIDE KEYNOTE INDICATES NUMBER OF SHELVES.
- 59 12 GALLON TRASH CAN
- 60 12 GALLON SWING-TOP TRASH CAN
- 61 WALL MOUNTED CLEANING FLUID MIXING STATION (CFOG)
- 62 UPPER CABINETS
- 63 OIL PUMP, SEE 1M3.2
- 64 PLASTIC CORNER GUARD
- 65 PAPER TOWEL DISPENSER
- 66 FRP VAINGCOT TO 4'-0", 2 WALLS BEHIND JANITOR SINK.
- 67 TOWEL BAR
- 68 ROBE HOOK
- 69 INSTALL OVERHEAD DOOR & TRACK TO PROVIDE MIN. 14'-10 1/2" CLEAR OPENING WITH DOOR IN FULL UP POSITION. COORDINATE OVERHEAD DOOR INSTALLATION W/ TROLLEY HOIST INSTALLATION FOR FULL OPERATION OF BOTH SYSTEMS.
- 70 TRANSLUCENT PANEL
- 71 See Addendum #2: Provide 1 1/2" rigid insulation on interior face of exterior wall beneath gypsum board and vapor retarder

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: WCP

DESIGNED BY: WCP

DRAWN BY: RSS

DATE: Thursday, November 1, 2007

PROJECT DESIGNATION

SHAK-9500(103) - 67763

YEAR

2007

SHEET NO.

A1.1

TOTAL SHEETS

52

REVISIONS

NO. DATE DESCRIPTION

1 11/1/07

2 11/1/07

3 11/1/07

4 11/1/07

5 11/1/07

6 11/1/07

7 11/1/07

8 11/1/07

9 11/1/07

10 11/1/07

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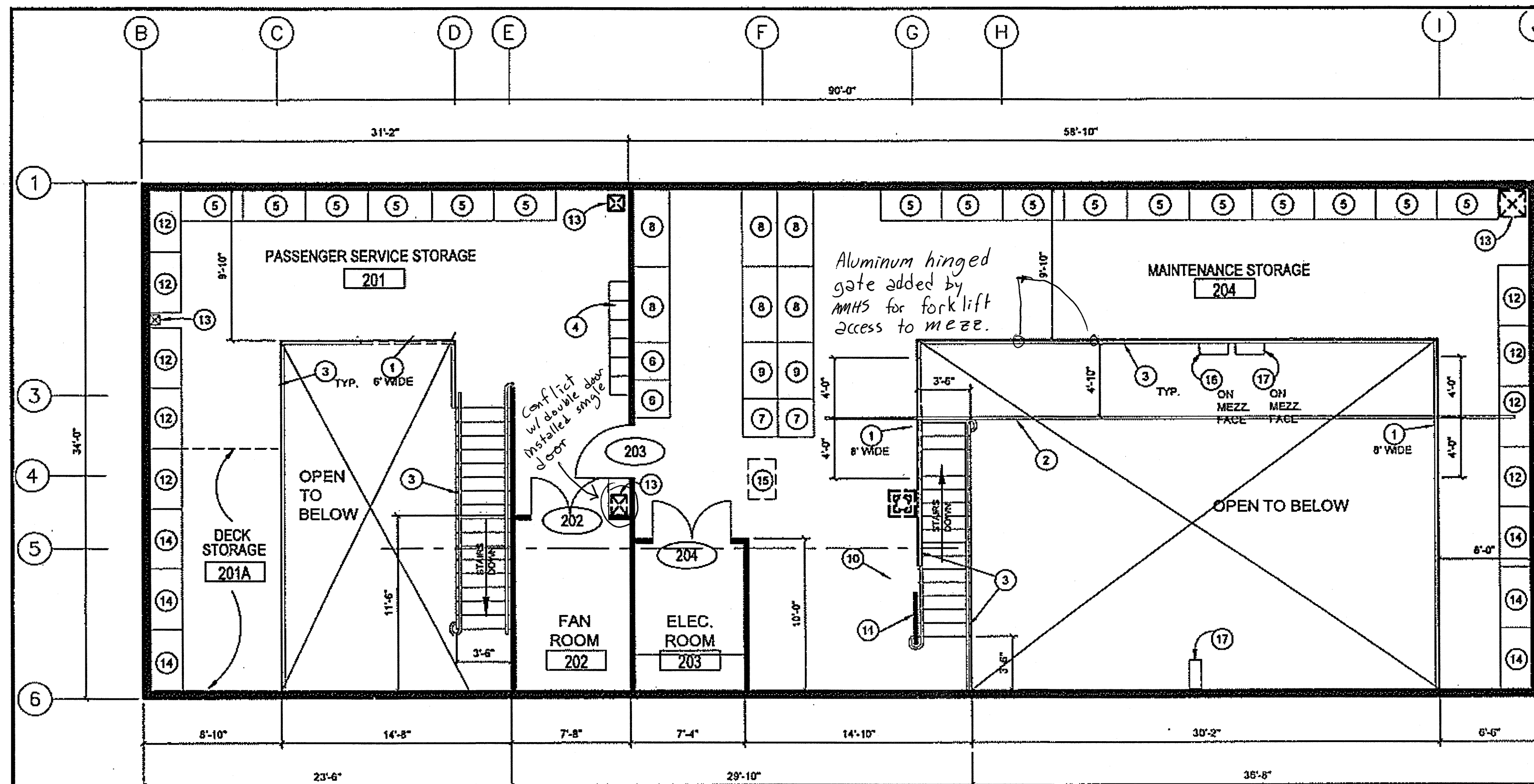
204 11/1/07

205 11/1/07

206 11/1/07

207 11/1/07

208 11/1/07



1 SECOND FLOOR PLAN
A1.2 3/16"=1'-0"

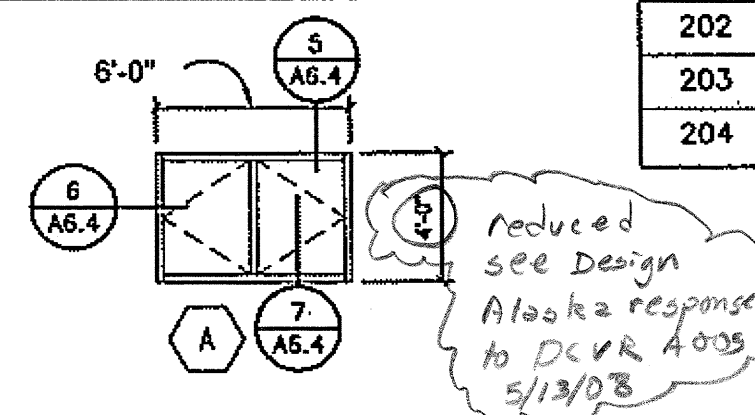
ROOM NAME	ROOM FINISH SCHEDULE										REMARKS
	ROOM NAME	FLOOR	BASE	WAINSCOT	WALLS				CLG.	CLG. HGT	
101 PASSENGER	101 PASSENGER SERVICE BAY	CONC	RB	PT PLY/GYP	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	17'-7-3/4"	①
102 DRY STOR	102 DRY STORAGE	CONC	RB	---	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	8'-8-1/2"	
103 CLEANING	103 CLEANING LIQUID STORAGE	CONC	RB	---	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	8'-8-1/2"	
104 WALK IN F	104 WALK IN FREEZER	MFT	MFT	---	MFT	MFT	MFT	MFT	MFT	MFT	
105 WALK IN C	105 WALK IN COOLER	MFT	MFT	---	MFT	MFT	MFT	MFT	MFT	MFT	
106 JANITOR	106 JANITOR	HSV	RB	---	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	8'-0"	
107 ADA REST	107 ADA RESTROOM	HSV	RB	---	FRP PLY	FRP PLY	FRP PLY	FRP PLY	PT GYP BD	8'-0"	
108 HALL	108 HALL	VCT	RB	---	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	7'-6"	② ③
109 ADA RES	109 OFFICE	VCT	RB	---	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	8'-0"	① ④
110 HALL	110 BOILER ROOM/ELEC	CONC	RB	---	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	8'-0"	
111 HALL	111 ELECTRICAL CLEAN ROOM	CONC	RB	---	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	8'-8-1/2"	
112 HALL	112 MAINTENANCE BAY	CONC	RB	PT PLY/GYP	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	17'-7-3/4"	①
113 HALL	201 PASSENGER SERVICE STORAGE	PT PLY	RB	---	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	8'-0"	
114 HALL	201A DECK STORAGE	PT PLY	RB	---	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	8'-0"	
115 HALL	202 FAN ROOM	PT PLY	RB	---	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	8'-0"	
116 HALL	203 COMMUNICATIONS ROOM	PT PLY	RB	---	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	8'-0"	
117 HALL	204 MAINTENANCE STORAGE	PT PLY	RB	---	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	PT GYP BD	8'-0"	

ADDENDUM 3 - ATTACHMENT 2

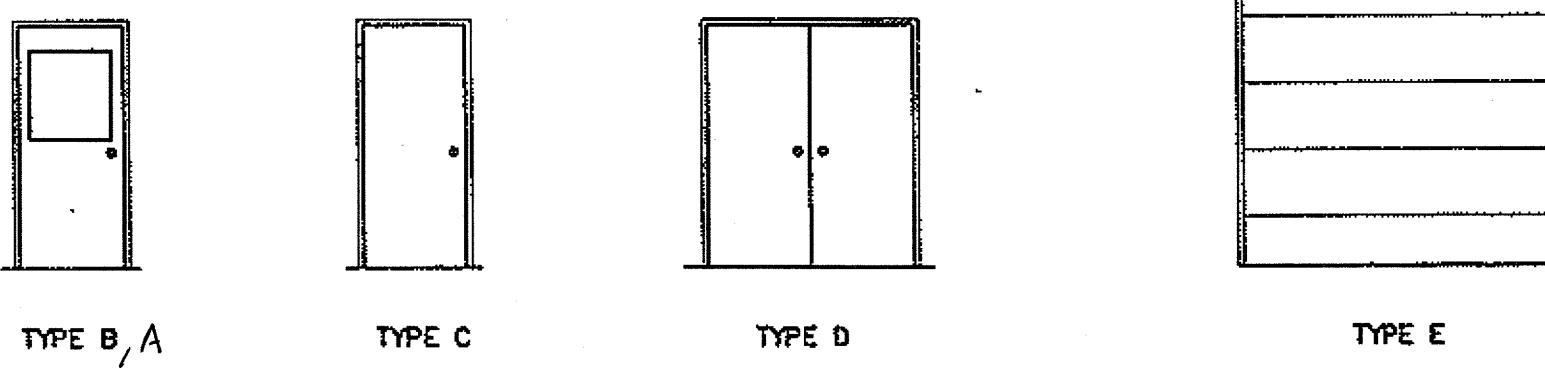
HSV= HEAVY DUTY SHEET VINYL
MFT= MANUFACTURER STD. FINISHES
SY= SHEET VINYL
FRP= FIBER REINFORCED PLASTIC PANELS
VCT= VINYL COMPOSITION TILE
PT PLY= EPOXY PAINTED PLYWOOD SHEATHING
PT PLY/GYP= PAINTED 3/8" PLYWOOD OVER GYP BD TO 8" AFF
PT GYP BD= PAINTED GYP. BD.
CONC = STEEL TROWEL CONC S/ SEALER

- NOTES:
- ALL WALLS SHALL BE ACOUSTIC WALLS W/ FULL THICK BATT INSULATION, AND (2) LAYERS 5/8" GYP. BD. ON ROOM SIDE.
 - EAST, WEST AND SOUTH WALL SHALL BE ACOUSTIC WALLS W/ FULL THICK BATT INSULATION AND (2) LAYERS 5/8" GYP. BD. ON ROOM SIDE.
 - CERILING SHALL BE ACOUSTIC W/ 8" BATT INSULATION AND (2) LAYERS 5/8" GYP. BD.
 - PARTIAL EXPOSED STRUCTURE, INCLUDING POSTS, BEAMS, DUCTING, CONDUIT, PIPING, ETC.
 - TOP OF PLYWOOD WAINSCOT @ 5'-0" AFF

WINDOW TYPES



DOOR TYPES



KEYNOTES

- REMOVABLE GUARD RAIL, SEE 12A6.1
- 3 TON TROLLEY HOIST
- FIXED GUARDRAIL, SEE 11A6.1
- (6) 15" x 15" x 80" LOCKERS
- 48"W x 24"D x 84"H OPEN METAL SHELVING UNIT, FASTEN TO WALL (16)
- 30"W x 27 3/4"D x 59"H 4 DRAWER METAL PARTS CABINET, FASTEN TO FLOOR (2)
- 30"W x 27 3/4"D x 44"H 5 DRAWER METAL PARTS CABINET, FASTEN TO FLOOR (2)
- 30"W x 27 3/4"D x 59"H 5 DRAWER METAL PARTS CABINET, FASTEN TO FLOOR (8)
- 45"W x 27 3/4"D x 44"H 5 DRAWER METAL PARTS CABINET, FASTEN TO FLOOR (2)
- BOILER STACK CHASE OF 4" METAL STUDS @ 16" O.C. W/ 5/8" GYP. BD. ON EXPOSED FACE.
- 42" HIGH FRAMED WALL @ LANDING EDGE OF 203 @ 16" O.C. W/ 5/8" GYP. BD. EA. SIDE W/ LAG BOLTS THROUGH BOTTOM PLATE INTO SOLID BLOCKING @ 8" O.C. PROVIDE 12" WIDE WALL TO CEILING TO ACCOMMODATE VTR PIPING.
- 48"W x 24"D x 72"H OPEN METAL SHELVING UNIT, FASTEN TO WALL (8)
- DUCT PENETRATION, COORDINATE LOCATION W/ SHELVING & DOOR LAYOUT.
- 45"W x 24"D x 48"H OPEN METAL SHELVING UNIT, FASTEN TO WALL (5)
- 22" x 32" CLEAR OPENING, FIELD FABRICATED INSULATED ATTIC ACCESS
- POWER REEL, DUPLEX
- COMP. AIR HOSE REEL

LEGEND

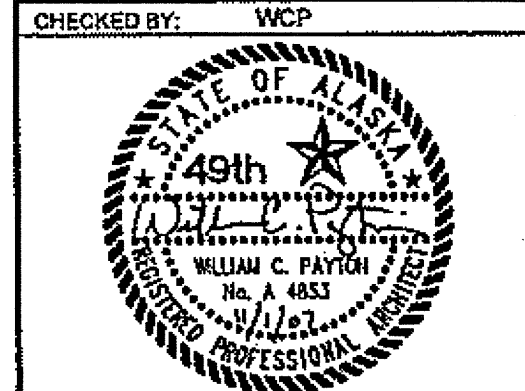
TYPICAL WALL
INTERIOR: STUDS @ 16" O.C.
UNLESS NOTED OTHERWISE, SEE 1/52.1 FOR SHEAR WALL STUD SIZE & SPACING
EXTERIOR: WOOD STUDS, SEE 1/52.1 FOR Metal studs STUD SIZE & SPACING

DOOR SCHEDULE

		DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	GLAZING	DOOR & FRAME LABEL	TYPE	DETAILS			REMARKS
									HEAD	JAMB	SILL	
101A	3'-0"x7'-0" x 1-3/4"	INSHM	PT	INSHM	PT	IT	--	B	7/A6.3	5,6/A6.3	8/A6.3	
101B	10'-0" x 15'-0"	INSULATED MTL. O.H.	FF	WD	PT		---	E	1,2/A6.4	1,2/A6.4	4/A6.1	
101C	3'-0"x7'-0" x 1-3/4"	HM	PT	HM	PT	T	--	B	4/A6.1	4/A6.1	--	
102	3'-0"x7'-0" x 1-3/4"	HM	PT	HM	PT	T	---	KC	4/A6.1	4/A6.1	--	
103	3'-0"x7'-0" x 1-3/4"	HM	PT	HM	PT	T	--	KC	4/A6.1	4/A6.1	--	
104	FREEZER DOOR	MFG. STD	FF	MFG. STD	FF	---	--	--	4/A6.1	4/A6.1	--	
105	COOLER DOOR	MFG. STD	FF	MFG. STD	FF	---	---	---	4/A6.1	4/A6.1	--	
106	3'-0"x7'-0" x 1-3/4"	HM	PT	HM	PT	T	--	B	4/A6.1	4/A6.1	--	
107	3'-0"x7'-0" x 1-3/4"	HM	PT	HM	FF		---	C	4/A6.1	4/A6.1		
110	PR 3'-0"x7'-0" x 1-3/4"	INSHM	PT	INSHM	PT		--	D	7/A6.3	5,6/A6.3	7/A6.3	
111	3'-0"x7'-0" x 1-3/4"	HM	PT	HM	PT	T	--	B	4/A6.1	4/A6.1	--	
112A	3'-0"x7'-0" x 1-3/4"	INSHM	PT	INSHM	PT	IT	---	B	7/A6.3	5,6/A6.3	8/A6.3	
112B	12'-0" x 15'-0"	INSULATED MTL. O.H.	FF	WD	PT		---	E	3/A6.4	1,2/A6.1	4/A6.4	
112C	3'-0"x7'-0" x 1-3/4"	INSHM	PT	INSHM	PT	IT	---	B	7/A6.3	5,6/A6.3	8/A6.3	
112D	NOT USED											
112E	3'-0"x7'-0" x 1-3/4"	HM	PT	HM	PT	T	--	B	4/A6.1	4/A6.1	--	
202	PR 3'-0"x7'-0" x 1-3/4"	HM	PT	HM	PT		---	BC	4/A6.1	4/A6.1	--	
203	3'-0"x7'-0" x 1-3/4"	HM	PT	HM	PT	T	--	KC	4/A6.1	4/A6.1	--	
204	PR 3'-0"x7'-0" x 1-3/4"	HM	PT	HM	PT		--	D	4/A6.1	4/A6.1	--	

HM HOLLOW METAL
INSHM INSULATED HOLLOW METAL
FF FACTORY FINISH
MTL METAL
OH OVERHEAD
TEMPERED/SAFETY GLASS
MFG. ST MANUFACTURERS STANDARD
WD WOOD

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION
**JNU-AMHS-AUKE BAY
FVF SUPPORT FACILITY
BUILDING CONSTRUCTION**
**SECOND FLOOR PLAN
AND FINISH SCHEDULES**

DESIGNED BY: WCP
DRAWN BY: RSS
PATH: P:\040708\AVACAD\040708_A1.2.DWG
DATE: Thursday, November 1, 2007

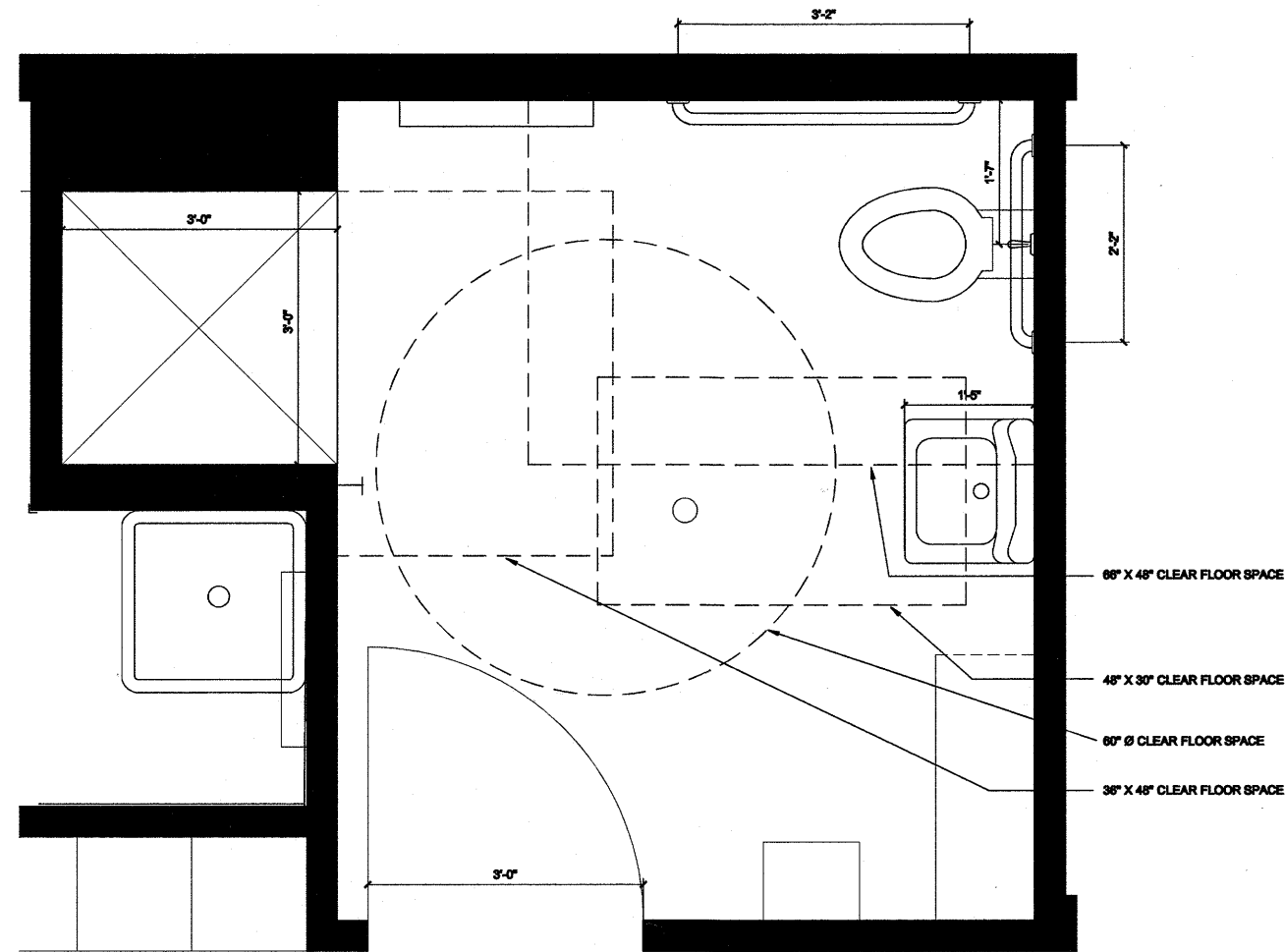
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
1			SHAK-9500(103) - 67763	2007	A1.2	52

SHEET A1.2, DOOR TYPES. Add Type A similar to door type B except width of glazing measured from strike side is 5".

SHEET A1.2, ROOM FINISH SCHEDULE. Replace Room Finish schedule with the attached Room Finish Schedule, included as Attachment 2 to this addendum.

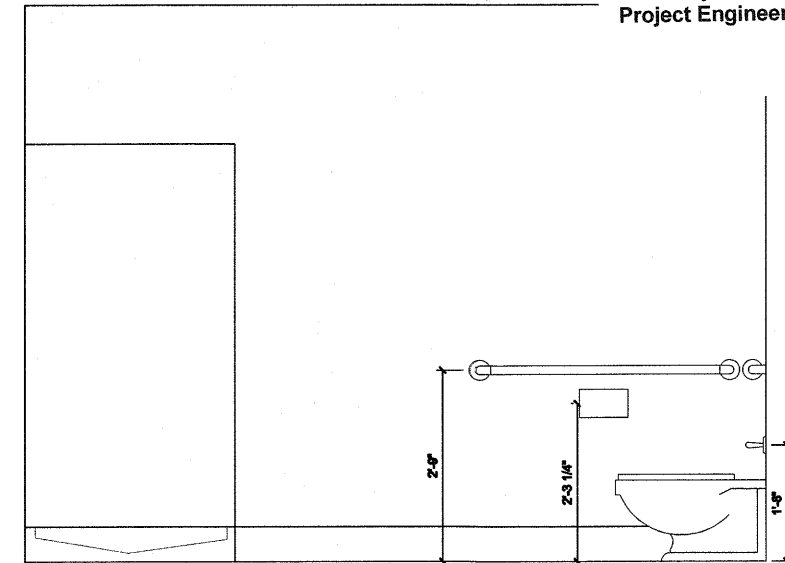
SHEET A1.2, ROOM FINISH SCHEDULE. Add note 6 to read: "Furr down ceiling in room 107 with 2 x 4 at 16" oc"

SHEET A1.2, ROOM FINISH SCHEDULE. Note 4. Change Note 4 to a General Note covering all rooms except rooms 110, 202 and 203.

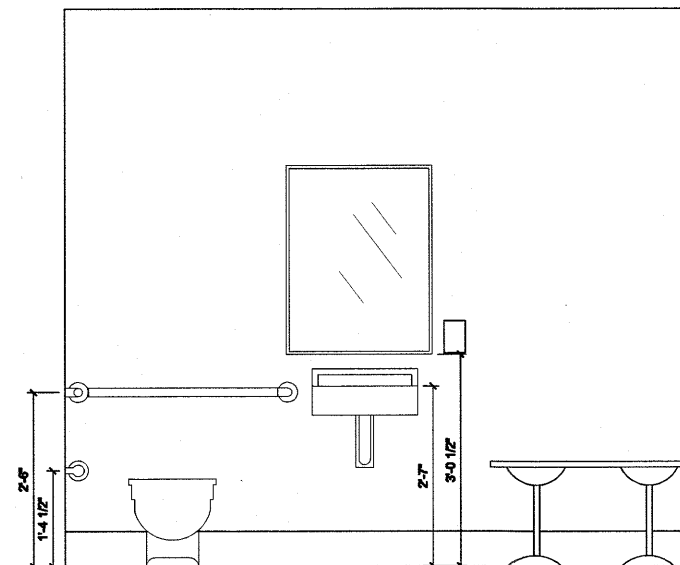


1 RESTROOM PLAN
 A1.3 1"=1'-0"

This supplemental plan sheet was required so that the City and Borough Community Development Department could verify ADA compliance and issue a building permit. It was provided by the design consultant Design Alaska Inc via email on 6/4/08.

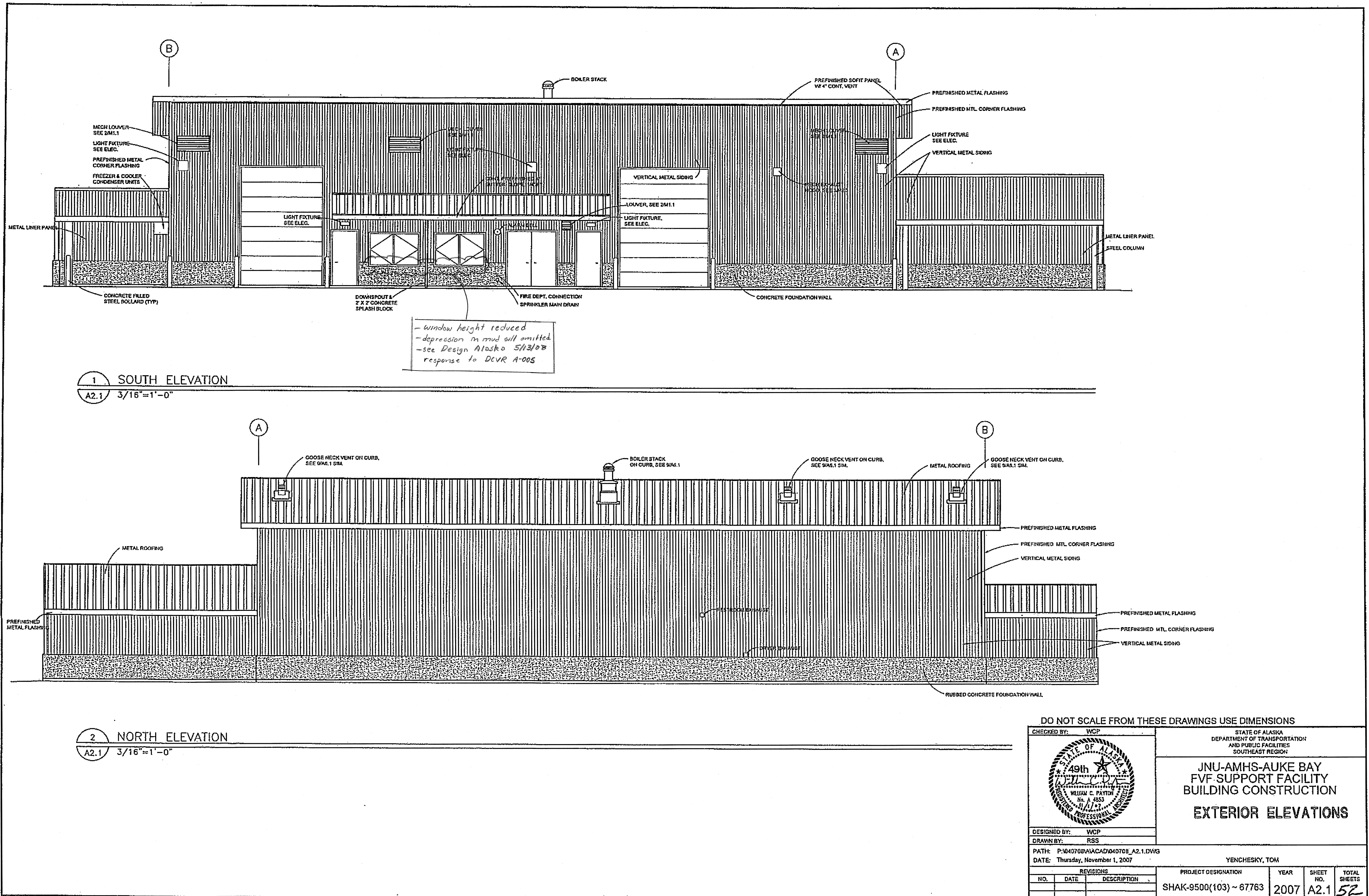


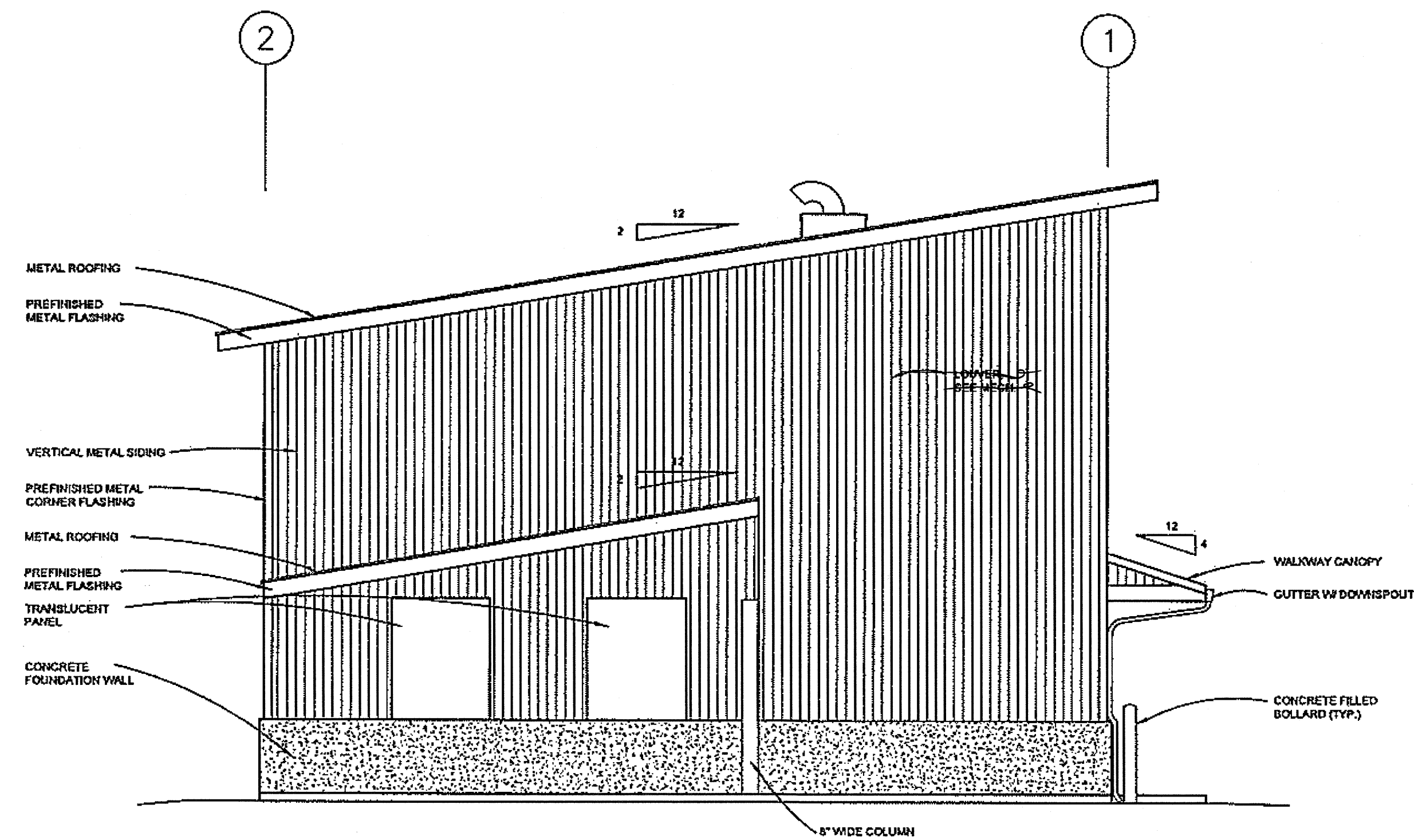
2 RESTROOM ELEVATION
 A1.3 3/4"=1'-0"



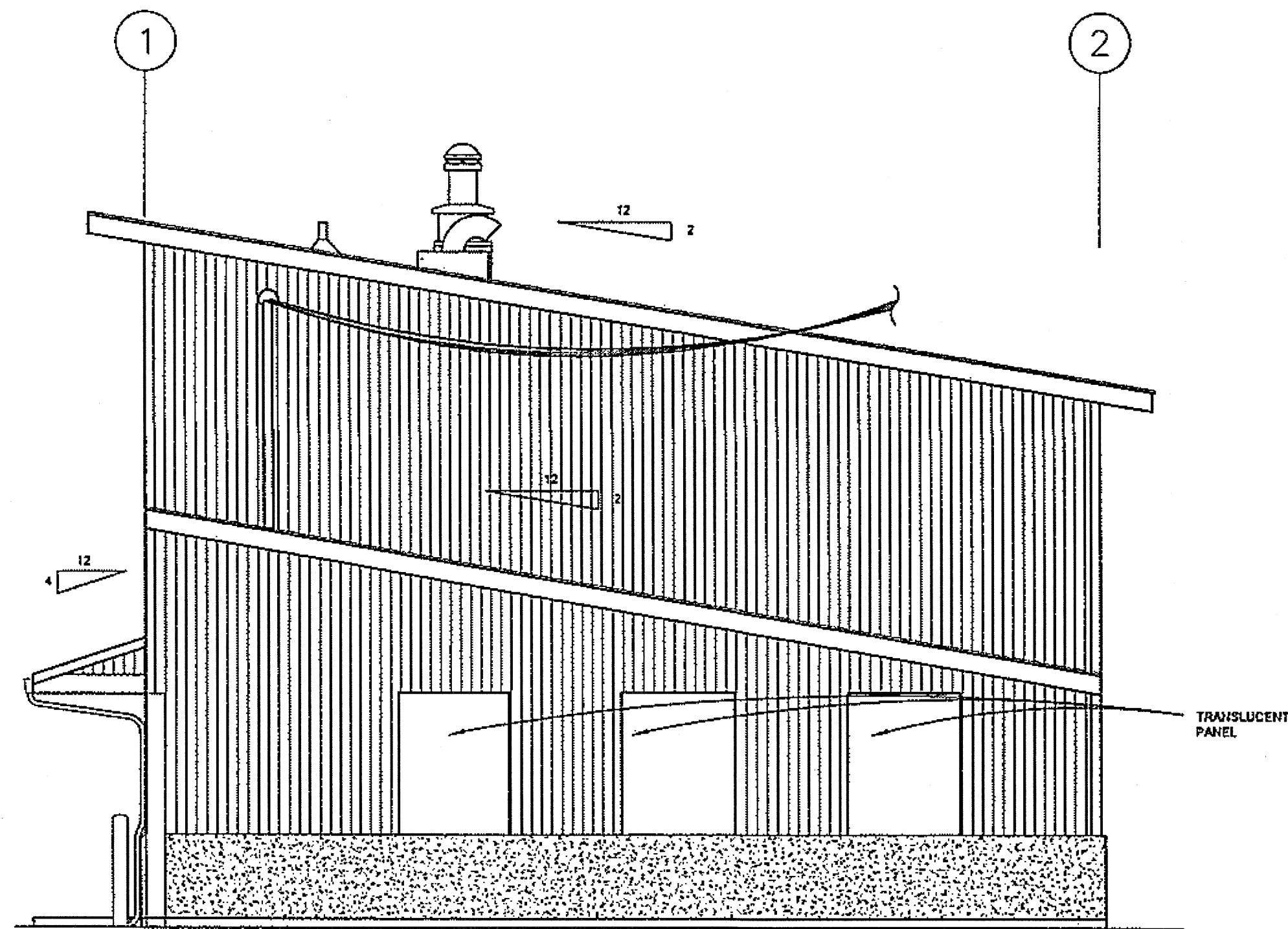
3 RESTROOM ELEVATION
 A1.3 3/4"=1'-0"

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS			STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
CHECKED BY:			JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION	
DESIGNED BY: WCP			ADA RESTROOM PLAN AND ELEVATION	
DRAWN BY: PMS				
PATH: P:\040708\ALACAD\040708_A1.3.DWG			SPENCER, PATRICK	
DATE: Thursday, November 1, 2007				
REVISIONS			PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	SHAK-9500(103) - 67763	2007
			SHEET NO.	TOTAL SHEETS
			A1.3	



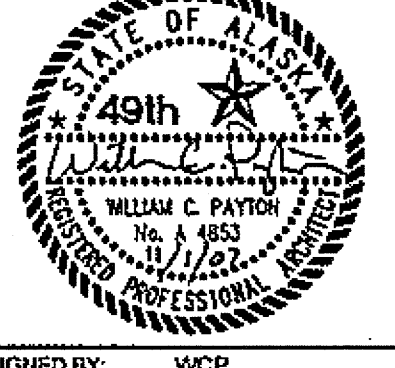


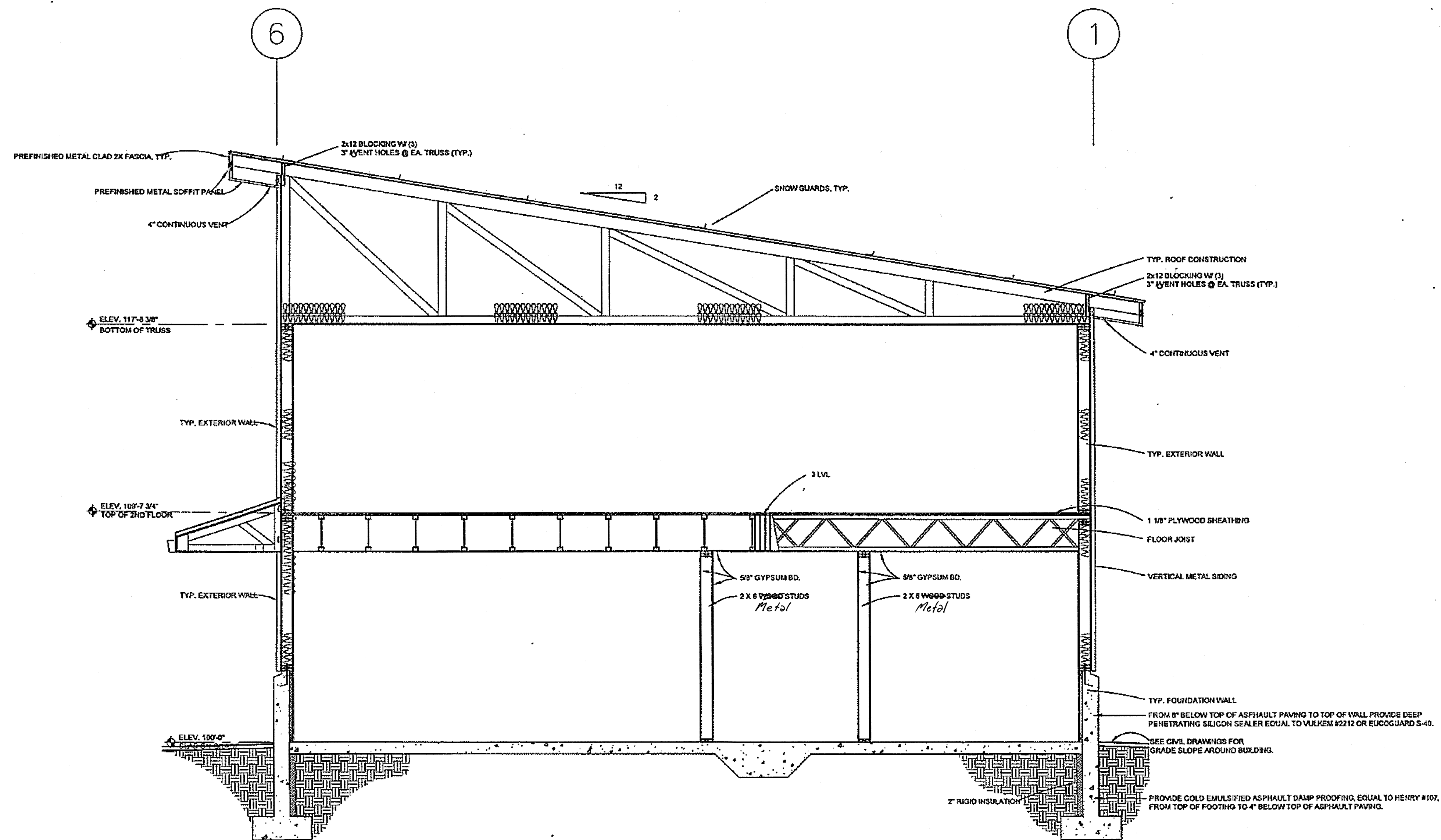
1 WEST ELEVATION
 A2.2 1/4"=1'-0"



1 EAST ELEVATION
 A2.2 1/4"=1'-0"

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

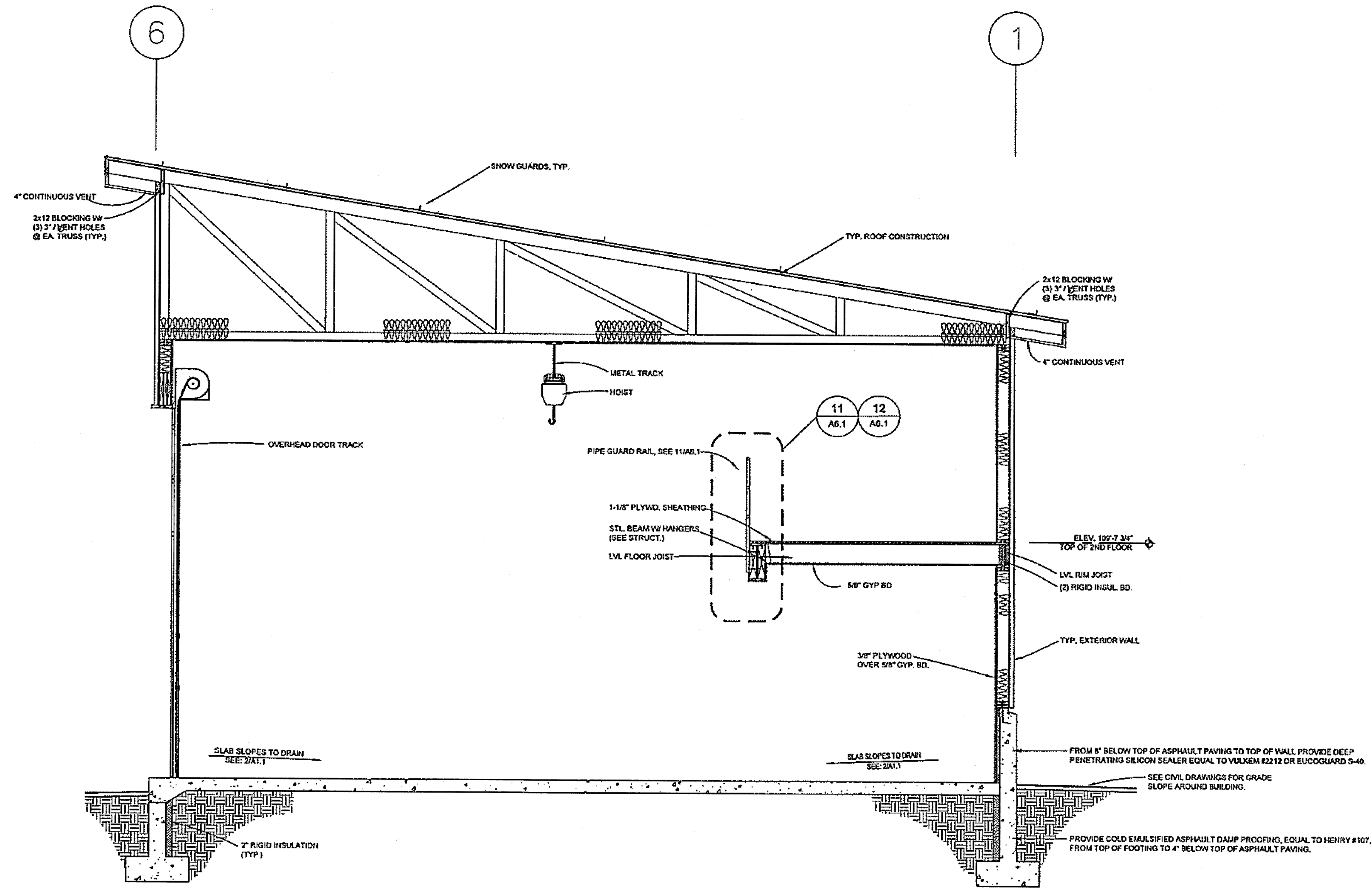
CHECKED BY: WCP		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
		JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION EXTERIOR ELEVATIONS	
DESIGNED BY: WCP		YENCHESKY, TOM	
DRAWN BY: RSS			
PATH: P:\040708\AVACAD\040708_A2.2.DWG			
DATE: Thursday, November 1, 2007			
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	
		SHAK-9500(103) - 67763	2007
		SHEET NO. A2.2	TOTAL SHEETS 52



1 BUILDING SECTION
 A3.1 3/8"=1'-0"

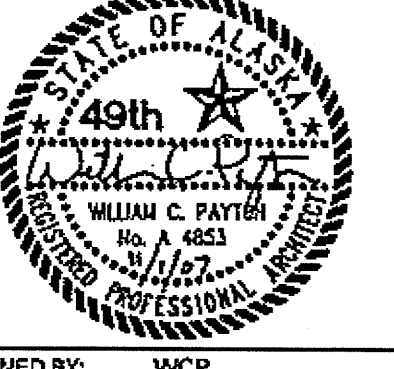
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

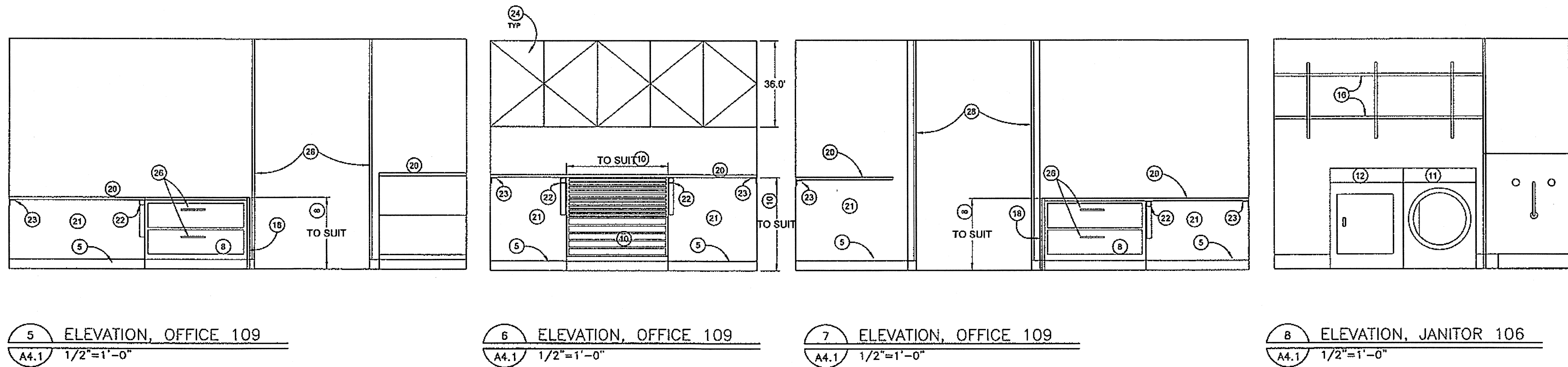
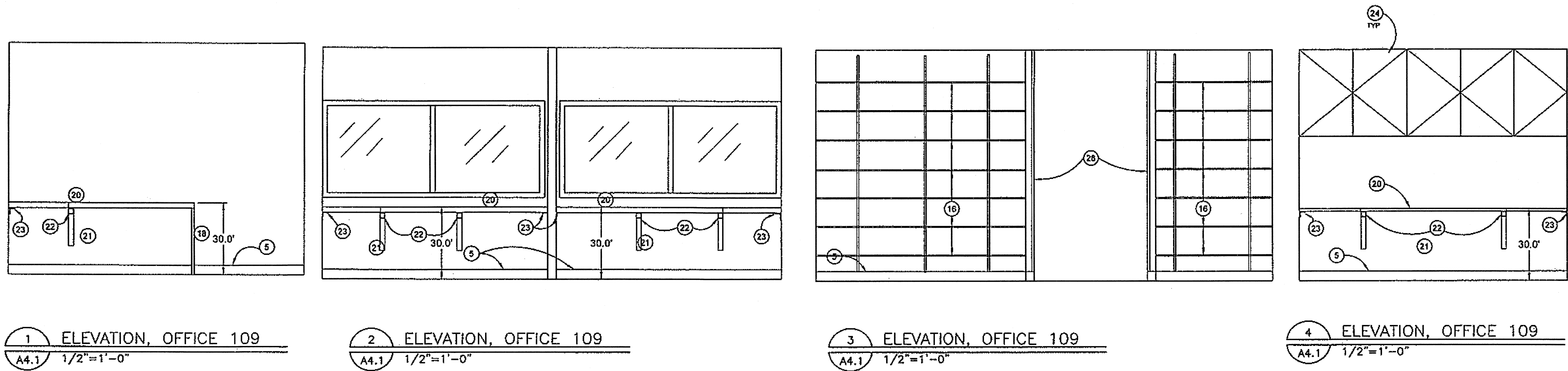
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DESIGNED BY: WCP DRAWN BY: RSS PATH: P:\040708\ACAD\040708_A3.1.DWG DATE: Thursday, November 1, 2007		YENCHESKY, TOM	
PROJECT DESIGNATION SHAK-9500(103) - 67763		YEAR 2007	SHEET NO. A3.1
REVISIONS NO. DATE DESCRIPTION		TOTAL SHEETS 52	



1 BUILDING SECTION
 A3.2 3/8"=1'-0"

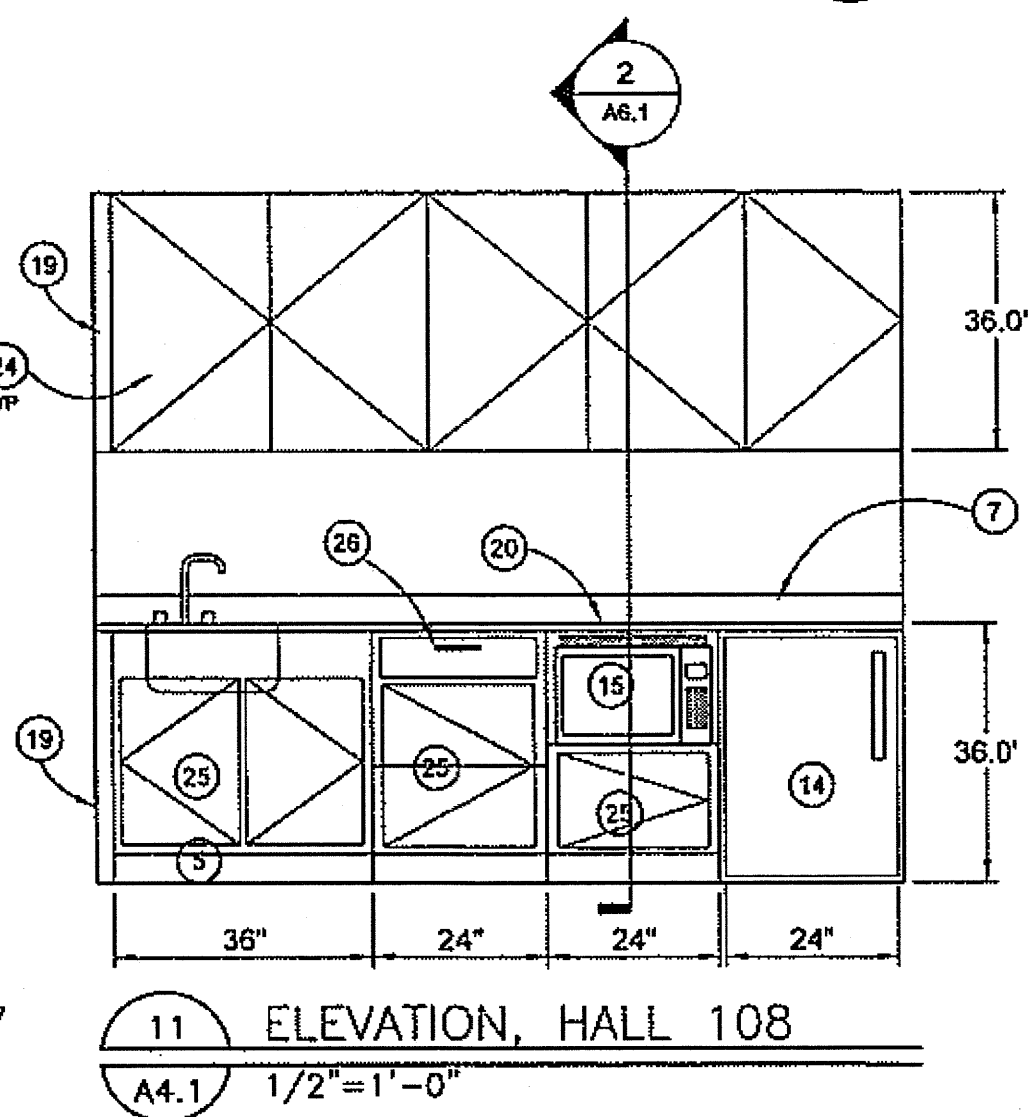
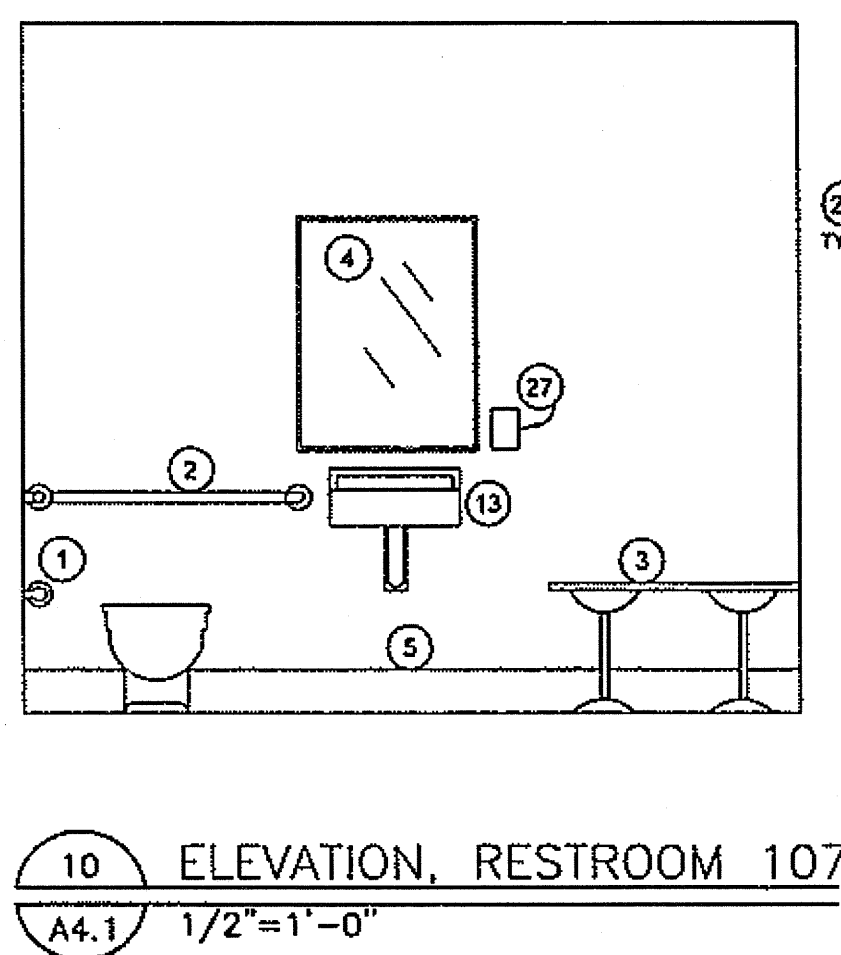
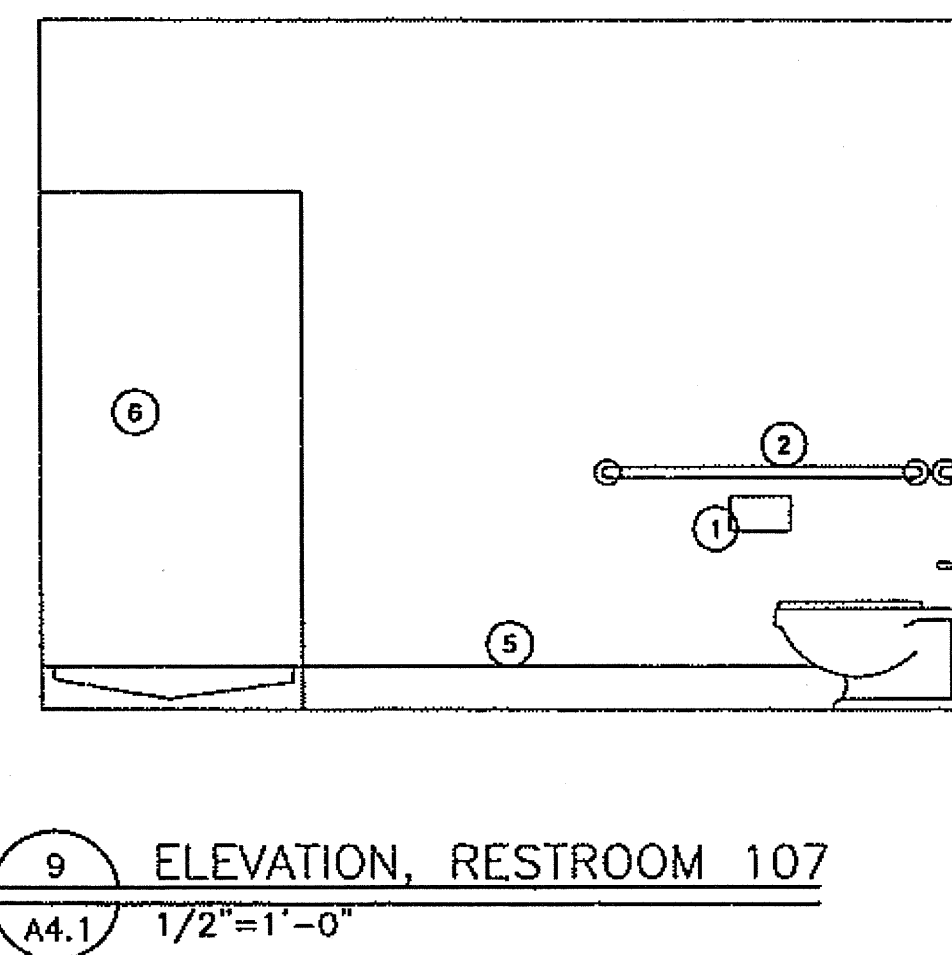
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: WCP  DESIGNED BY: WCP DRAWN BY: RSS PATH: P:\040708\ACAD\040708_A3.2.DWG DATE: Thursday, November 1, 2007		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION TYPICAL SECTIONS			
YENCHESKY, TOM		PROJECT DESIGNATION SHAK-9500(103) ~ 67763	YEAR 2007	SHEET NO. A3.2	TOTAL SHEETS 52

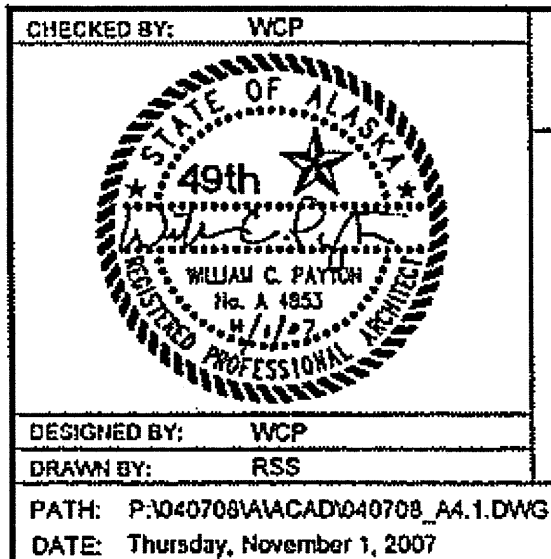


KEY NOTES

- | | |
|--|--|
| 1 TOILET PAPER DISPENSER | 21 OPEN BENEATH COUNTER |
| 2 ADA GRAB BAR | 22 STEEL TUBE SUPPORT, SEE 3/16.1 |
| 3 BENCH, SEE 1/16.1 | 23 CONTINUOUS 1 1/2 x 1 1/2 x 3/16 ANGLE SUPPORT |
| 4 MIRROR | 24 PLASTIC LAMINATE UPPER CABINETS W/ (2) ADJUSTABLE SHELVES |
| 5 RUBBER BASE | 25 PLASTIC LAMINATE BASE CABINET W/ (1) ADJUSTABLE SHELF |
| 6 SHOWER ENCLOSURE, SEE DIV 15450 | 26 DRAWER PULL |
| 7 PLASTIC LAMINATE COUNTER TOP W/ BACKSPLASH | 27 LIQUID SOAP DISPENSER |
| 8 LATERAL FILES BELOW COUNTER | 28 CORNER GUARD |
| 9 NOT USED | 29 FRP WALL COVERING, 2 SIDES OF JANITOR SINK |
| 10 (2) FLAT FILE CABINETS ON BASE | |
| 11 WASHER | |
| 12 DRYER | |
| 13 LAVATORY | |
| 14 UNDER-COUNTER REFRIGERATOR | |
| 15 UNDER-COUNTER MICROWAVE | |
| 16 12" PLASTIC LAMINATE ON 3/4" PLYWOOD SHELVES ON HEAVY DUTY STANDARDS AND BRACKETS | |
| 17 MOP RACK | |
| 18 PLASTIC LAMINATE END SUPPORT PANEL | |
| 19 CLOSURE PANEL | |
| 20 PLASTIC LAMINATE COUNTER TOP | |



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

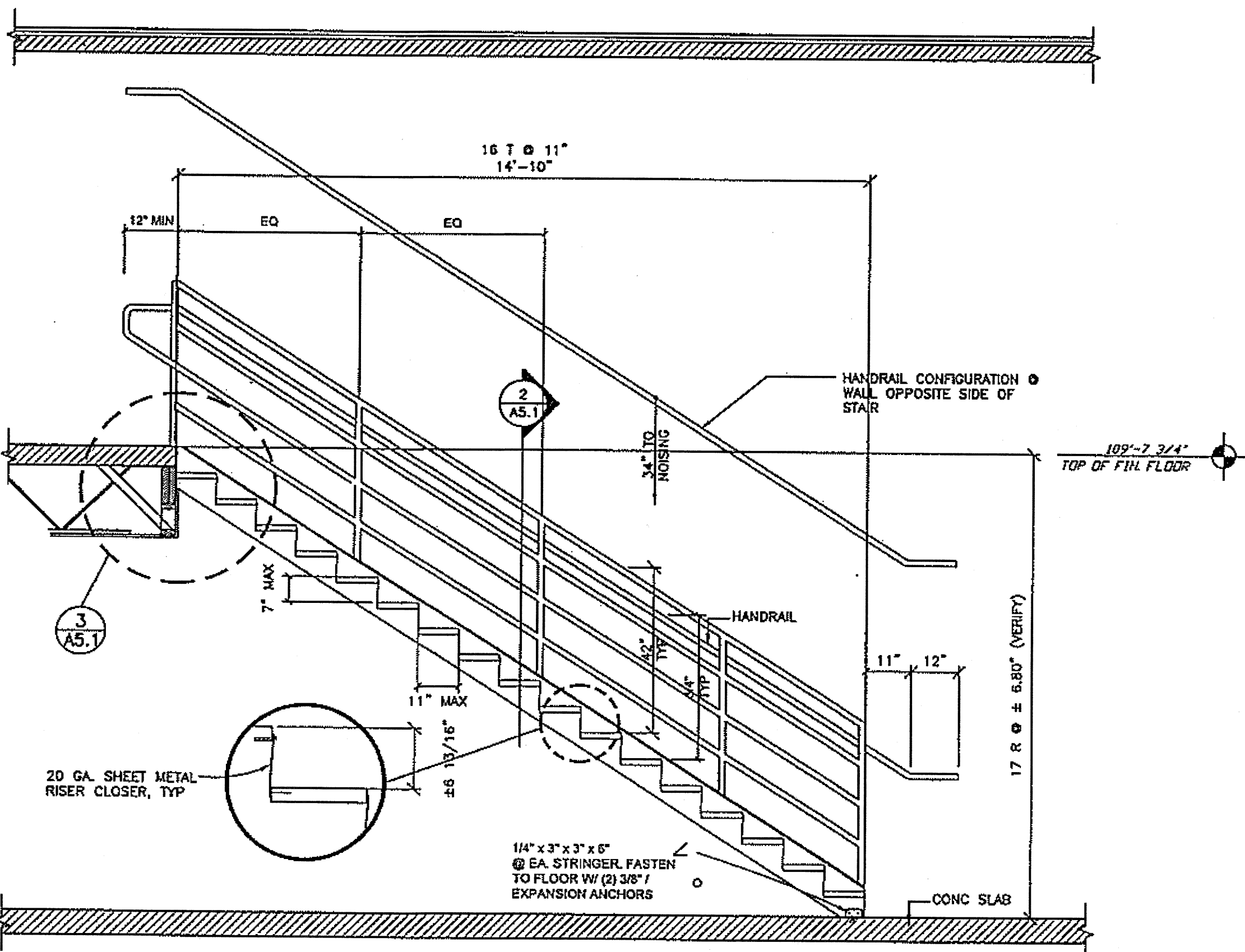


STATE OF ALASKA
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SOUTHEAST REGION

JNU-AMHS-AUKE BAY
FVF SUPPORT FACILITY
BUILDING CONSTRUCTION

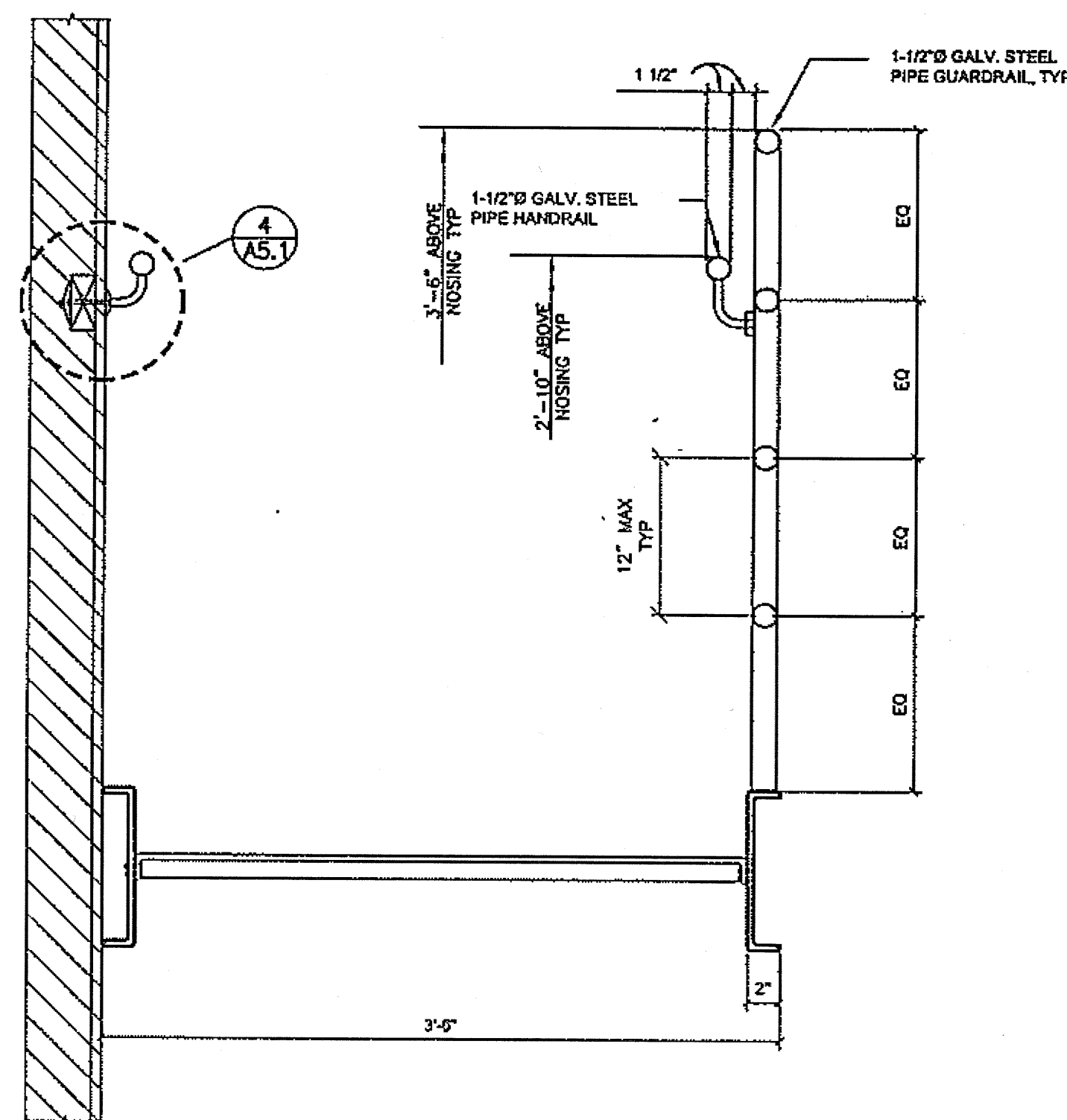
INTERIOR ELEVATIONS

REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE				
		SHAK-9500(103) - 67763	2007	A4.1	52

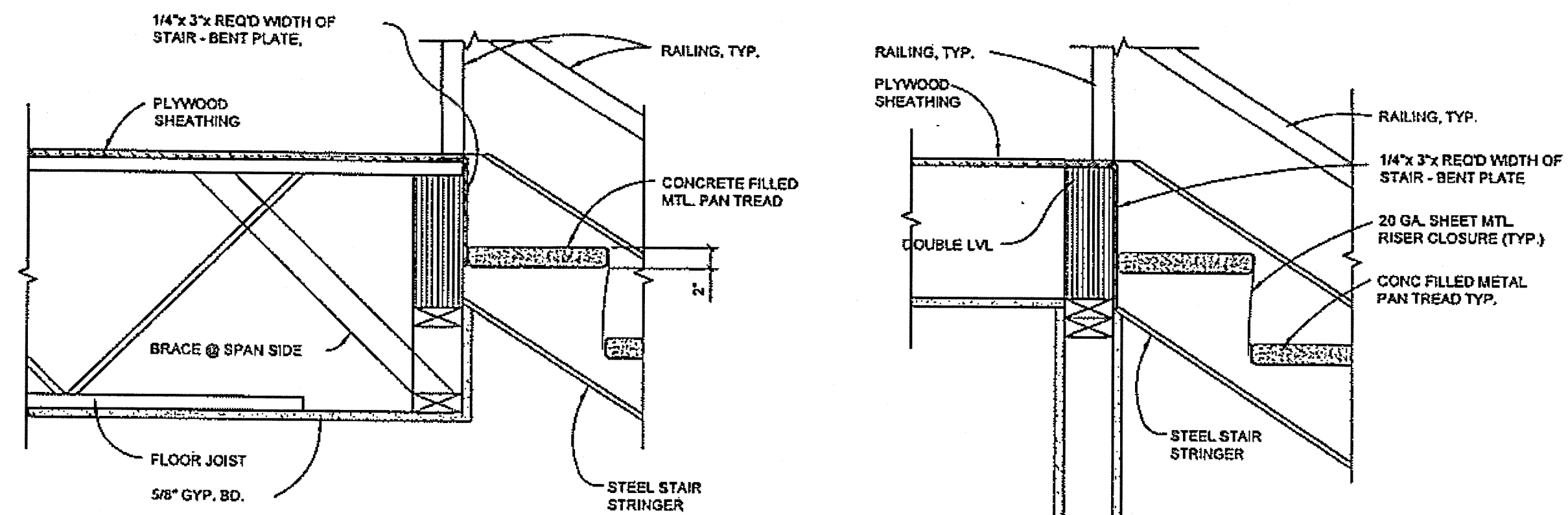


1 TYP. INTERIOR STAIR SECTION
A5.1 1/2" = 1'

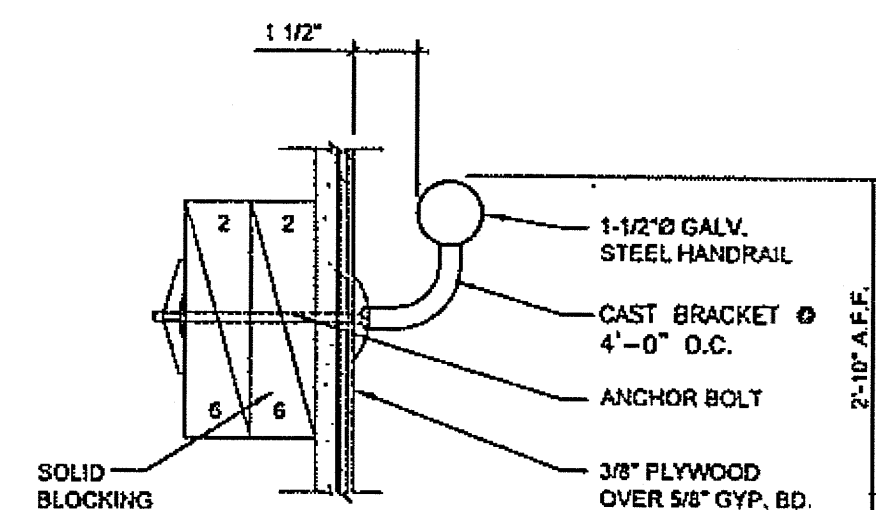
NOTE: PAINT STRINGERS, RISERS AND STEEL PANS



2 STAIR SECTION
A5.1 1-1/2" = 1' - 0"



3 STAIR CONNECTION DETAILS
A5.1 1-1/2" = 1' - 0"



4 TYP. INTERIOR HANDRAIL DETAIL (DRYWALL)
A5.1 3" = 1' - 0"

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: WCP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

JNU-AMHS-AUKE BAY
FVF SUPPORT FACILITY
BUILDING CONSTRUCTION

STAIR SECTION AND DETAILS

DESIGNED BY: WCP

DRAWN BY: RSS

PATH: P:\040708\ACAD\040708_A5.1.DWG

DATE: Thursday, November 1, 2007

YENCHESKY, TOM

REVISIONS

REVISIONS		
NO.	DATE	DESCRIPTION

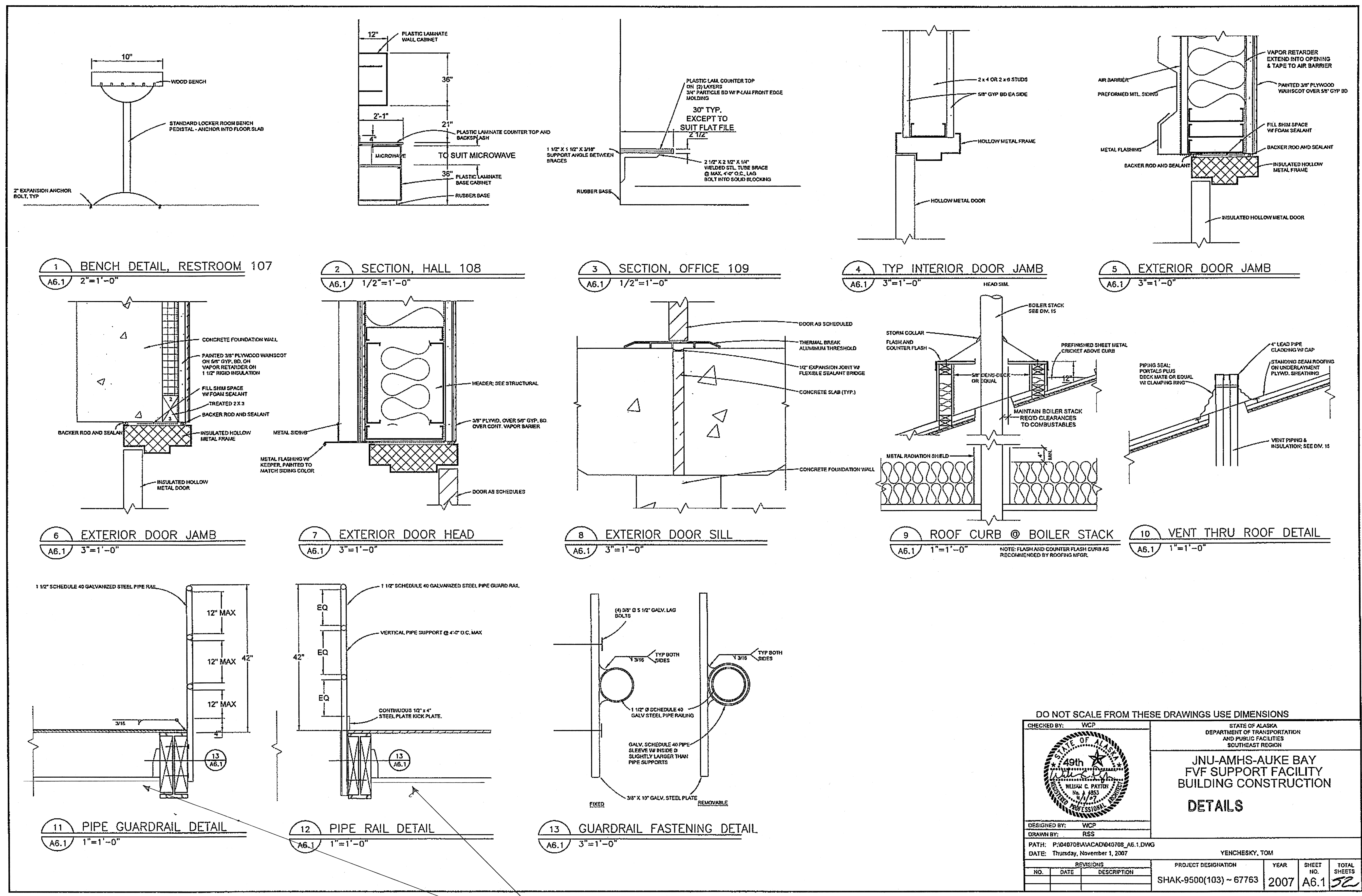
PROJECT DESIGNATION:

YEAR

SHEET	
-------	--

SHEET
NO.

A5 1 4



5" Gypsum per Addendum # 3

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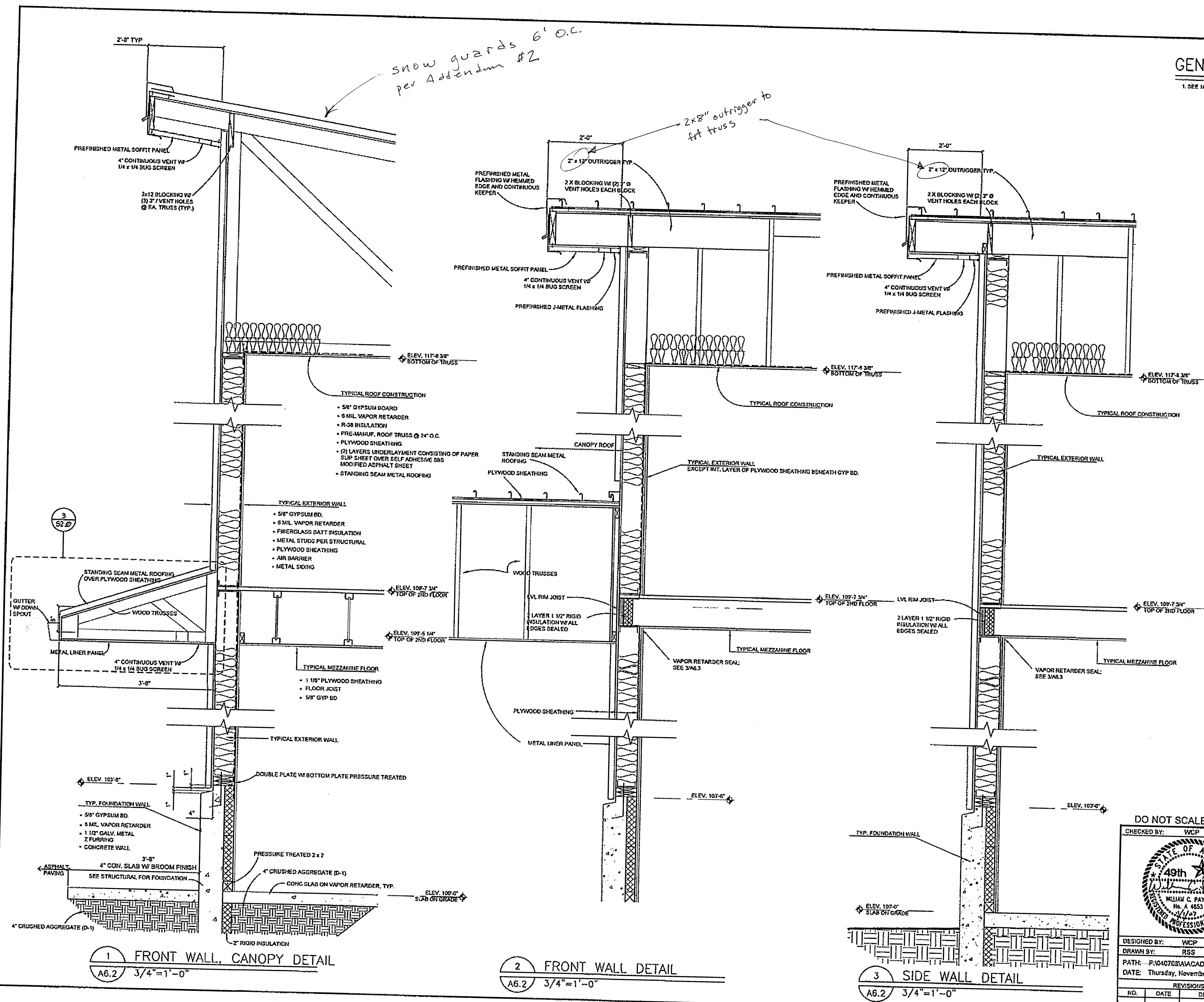
CHECKED BY: WCP  DESIGNED BY: WCP DRAWN BY: RSS PATH: P:\040708\ACAD\040708_A6.1.DWG DATE: Thursday, November 1, 2007		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION DETAILS	
YENCHESKY, TOM PROJECT DESIGNATION: SHAK-9500(103) ~ 67763 YEAR: 2007 SHEET NO.: A6.1 TOTAL SHEETS: 72			

GENERAL NOTES

1. SEE 10A&2 FOR ASSEMBLY NOTES

snow guards 6' O.C.
 per Addendum #2

2x8" outrigger to
 ft truss



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DESIGNED BY: WCP

DRAWN BY: RSS

DATE: Thursday, November 1, 2007

PATH: P:\040702\RAW\CAD\040702_A6.2.DWG

YENCHESKY, TOM

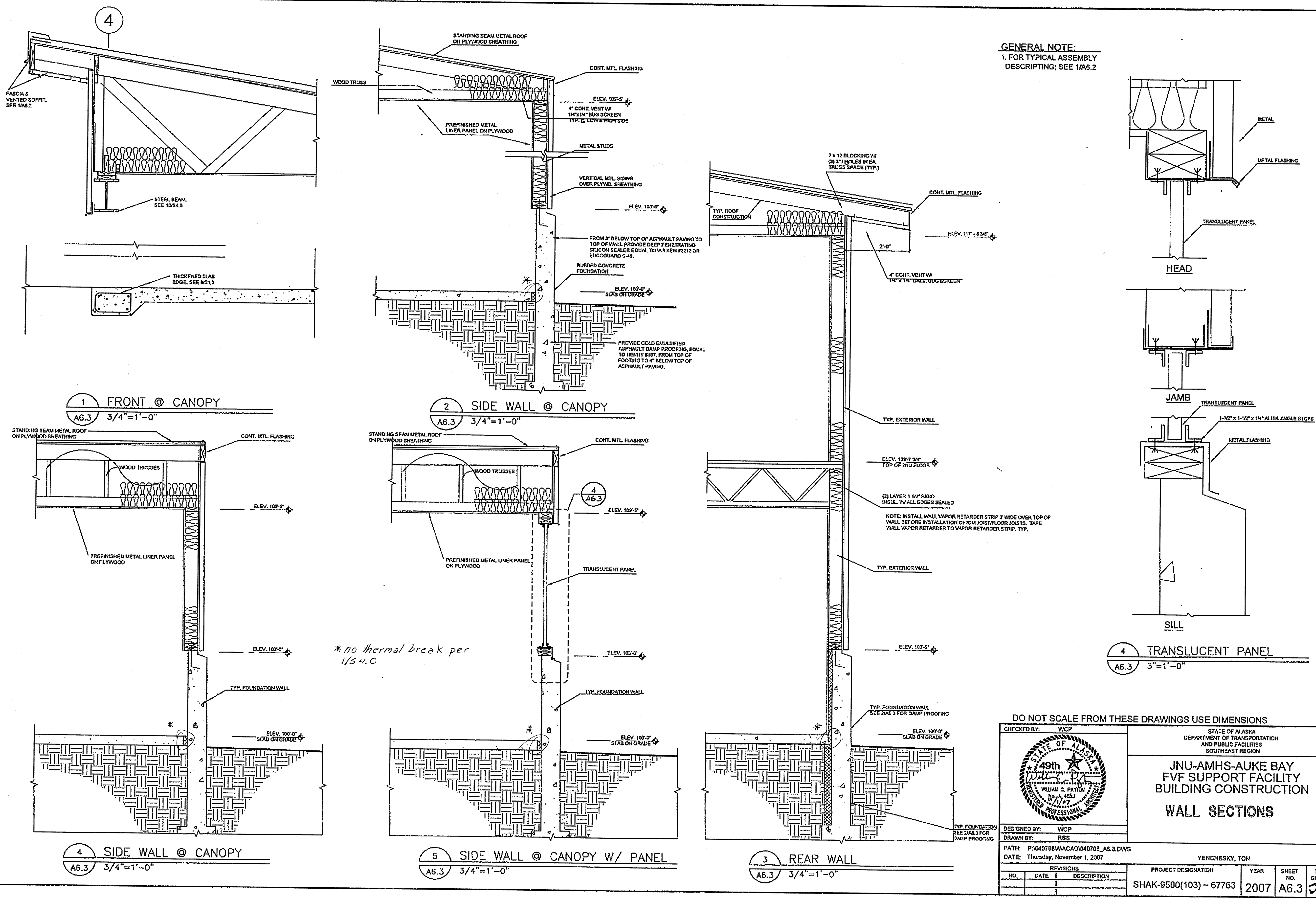
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

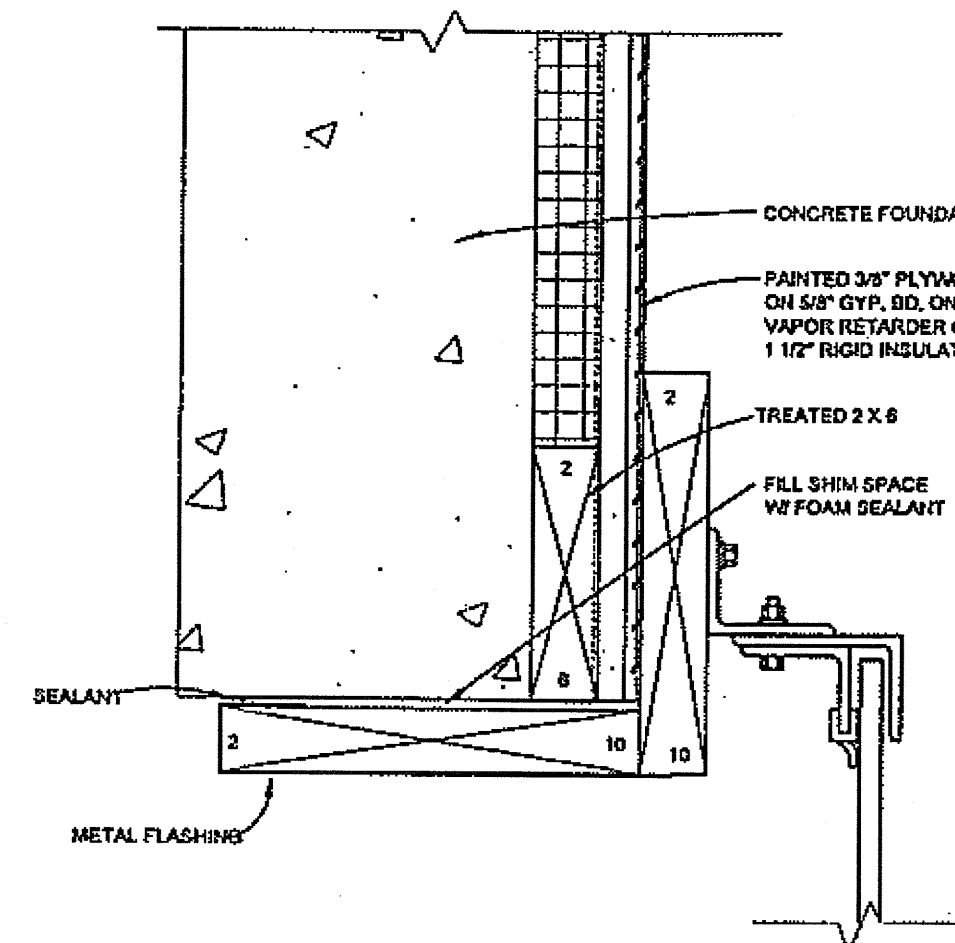
JNU-AMHS-AUKE BAY
 FVF SUPPORT FACILITY
 BUILDING CONSTRUCTION

WALL SECTIONS

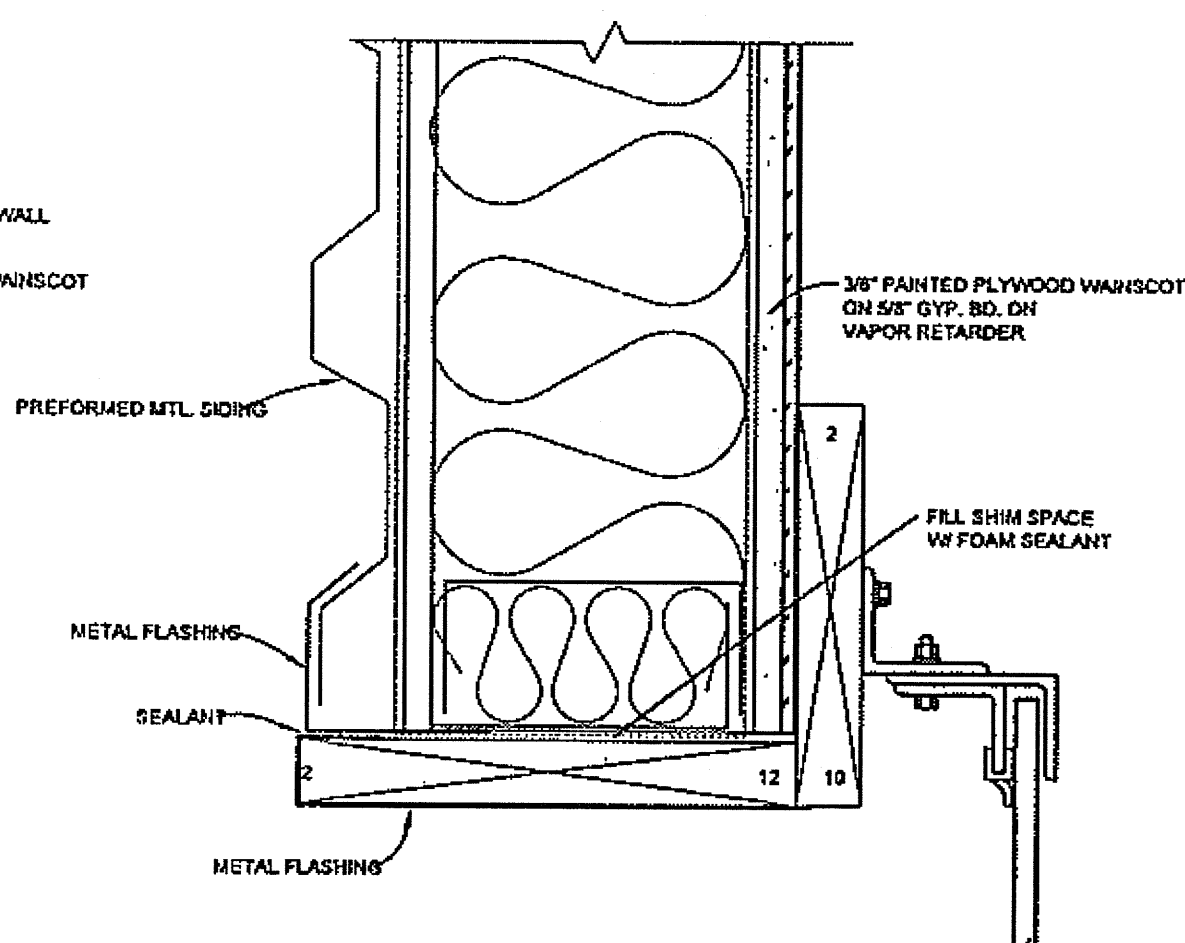
NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SHAK-9500(103) - 67763	2007	A6.2	52

GENERAL NOTE:
 1. FOR TYPICAL ASSEMBLY
 DESCRIBING; SEE 1/A6.2

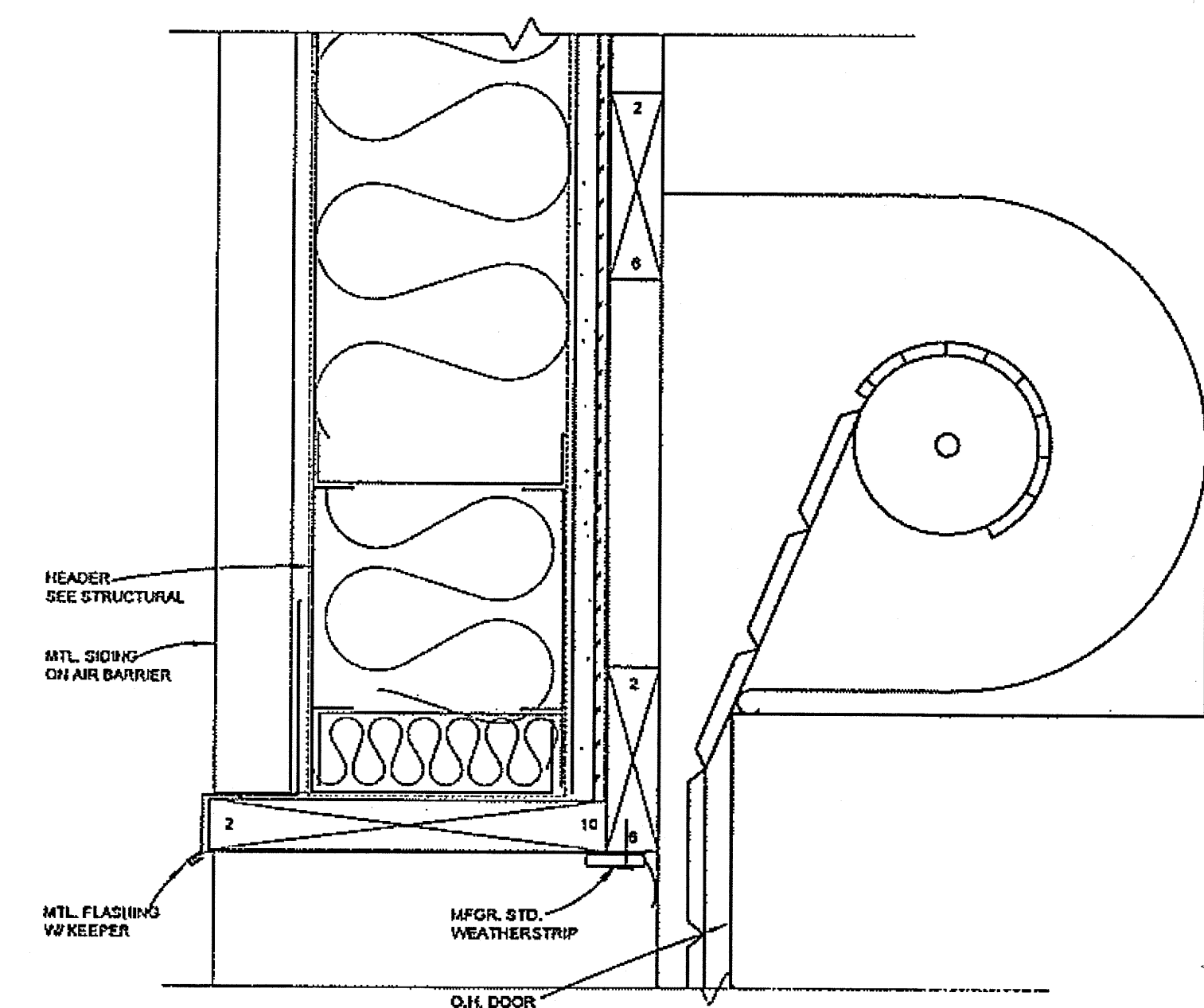




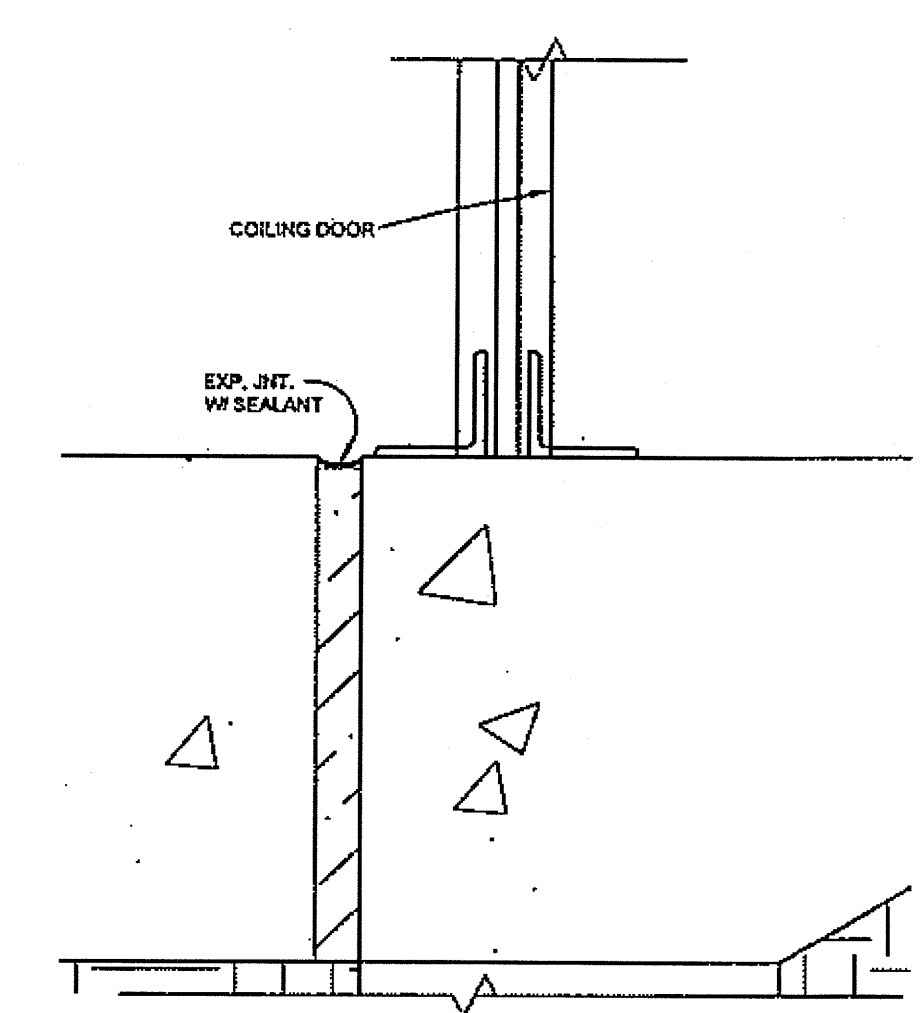
1 OVERHEAD DOOR JAMB
 A6.4 3"=1'-0" CONCRETE WALL



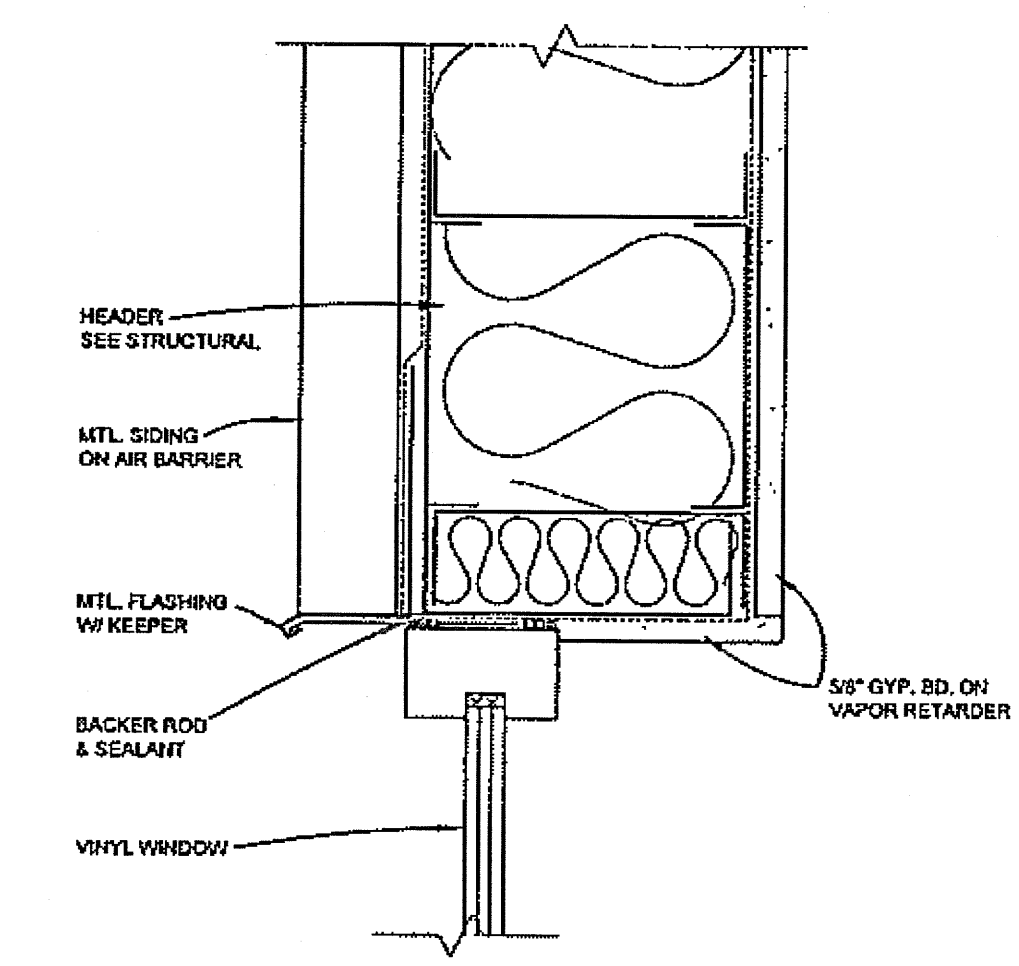
2 OVERHEAD DOOR JAMB
 A6.4 3"=1'-0" WOOD STUD WALL



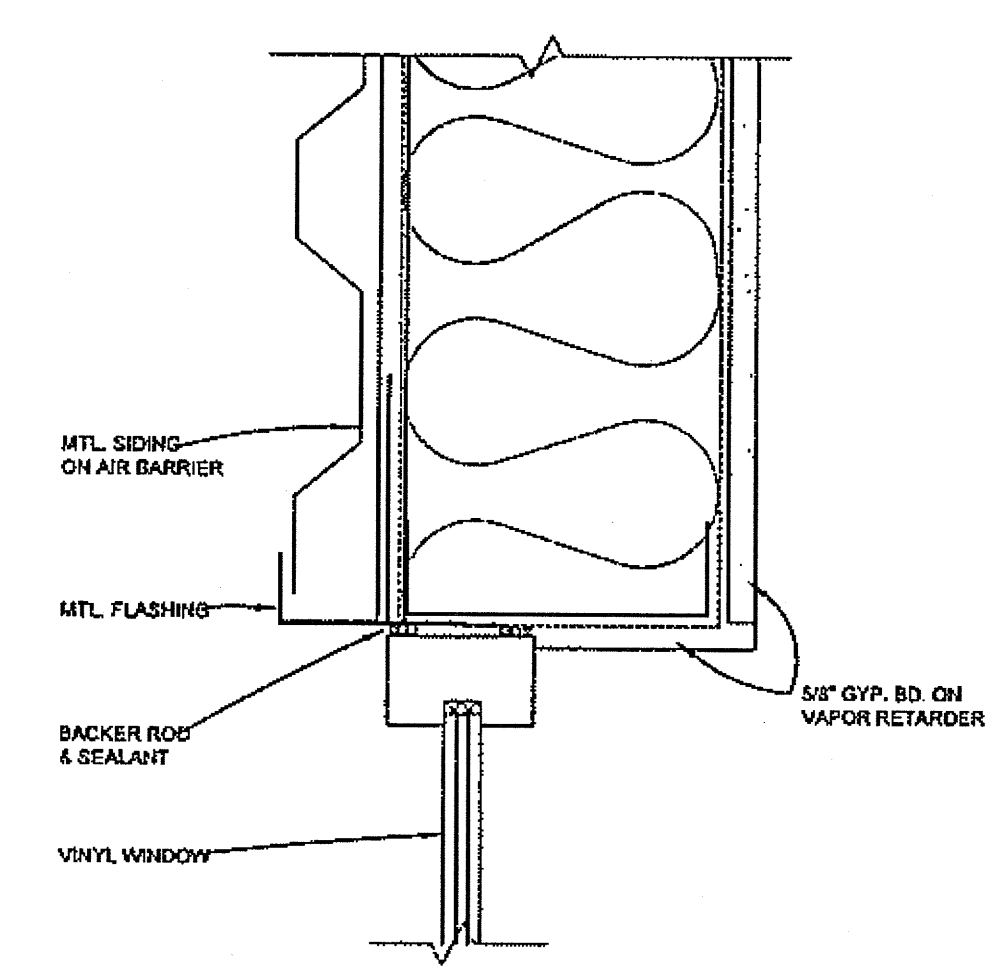
3 OVERHEAD DOOR HEADER
 A6.4 3"=1'-0"



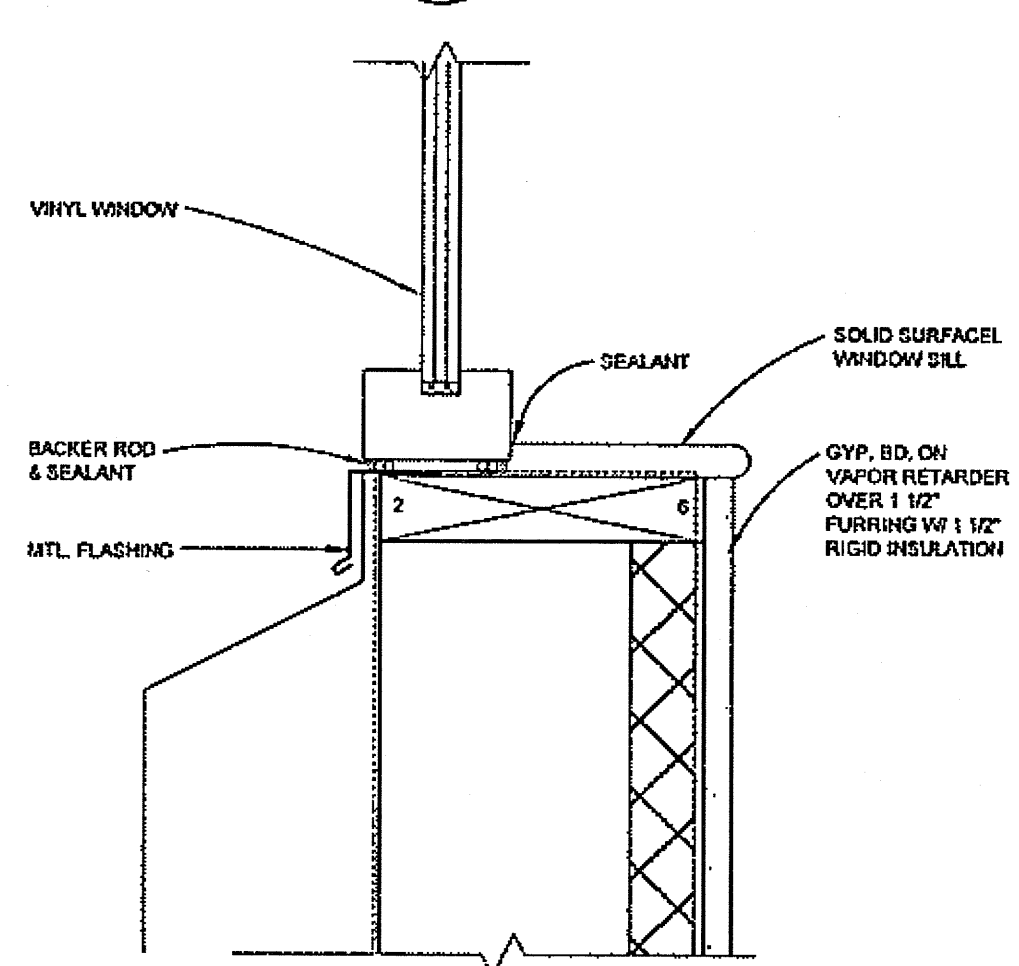
4 OVERHEAD DOOR BOTTOM
 A6.4 3"=1'-0"



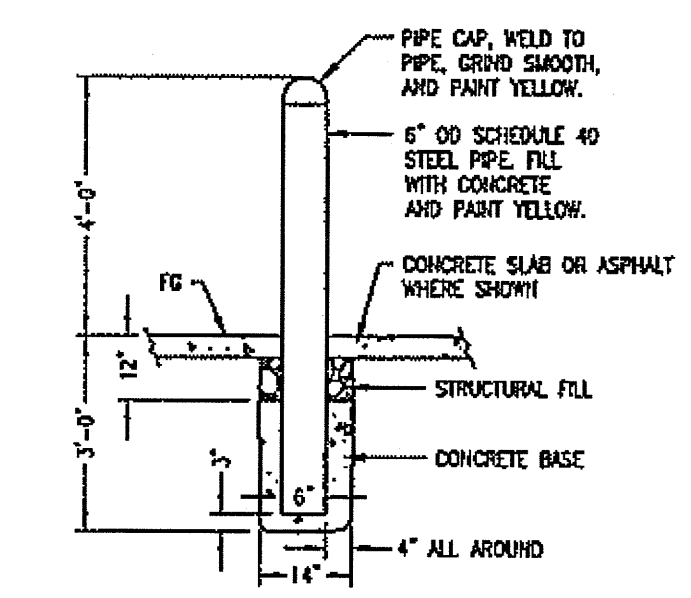
5 WINDOW HEAD
 A6.4 3"=1'-0"



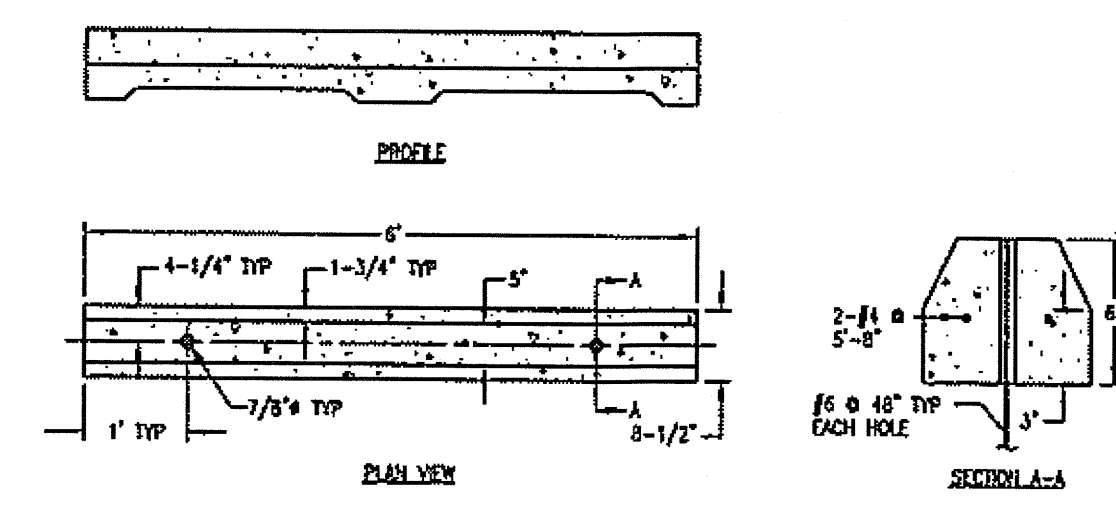
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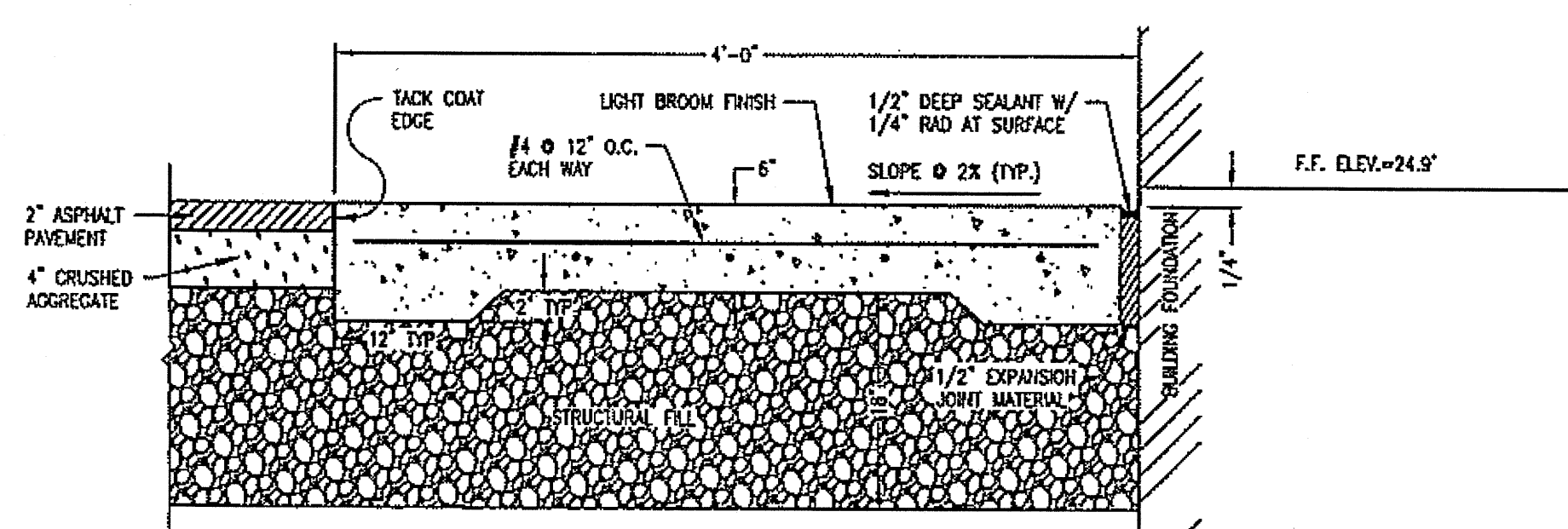
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 A6.4 3"=1'-0" WOOD STUD WALL



8 BOLLARD DETAIL
 A6.4 NO SCALE



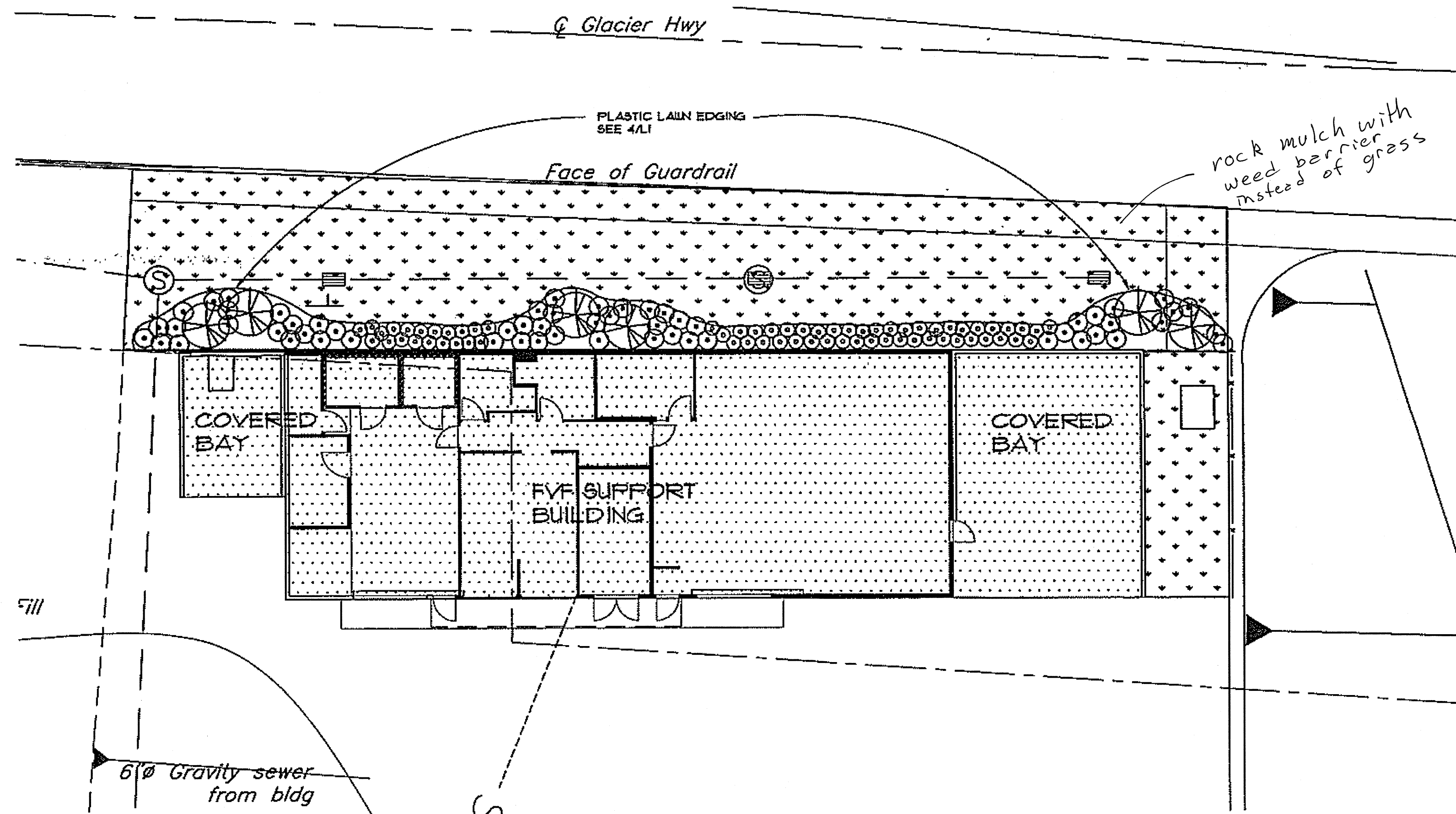
9 WHEEL STOP DETAIL
 A6.4 NO SCALE



10 CONCRETE APRON DETAIL
 A6.4 NO SCALE

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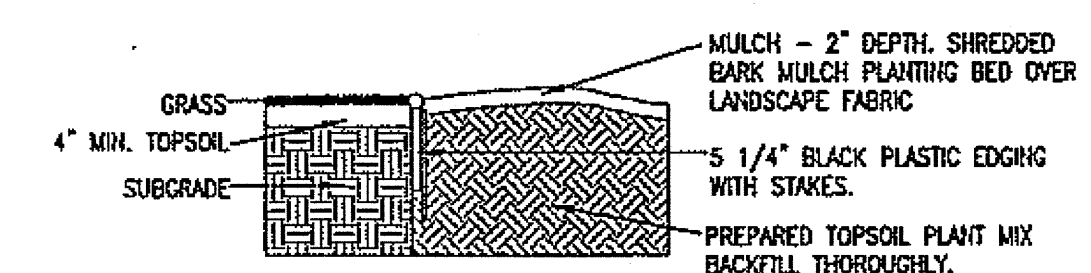
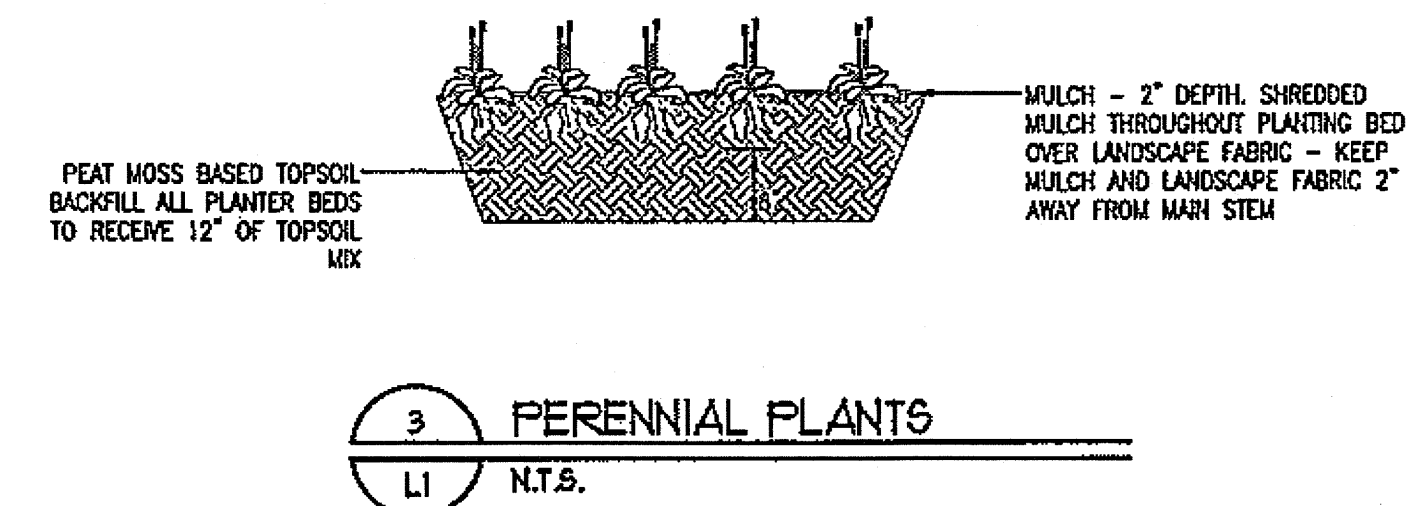
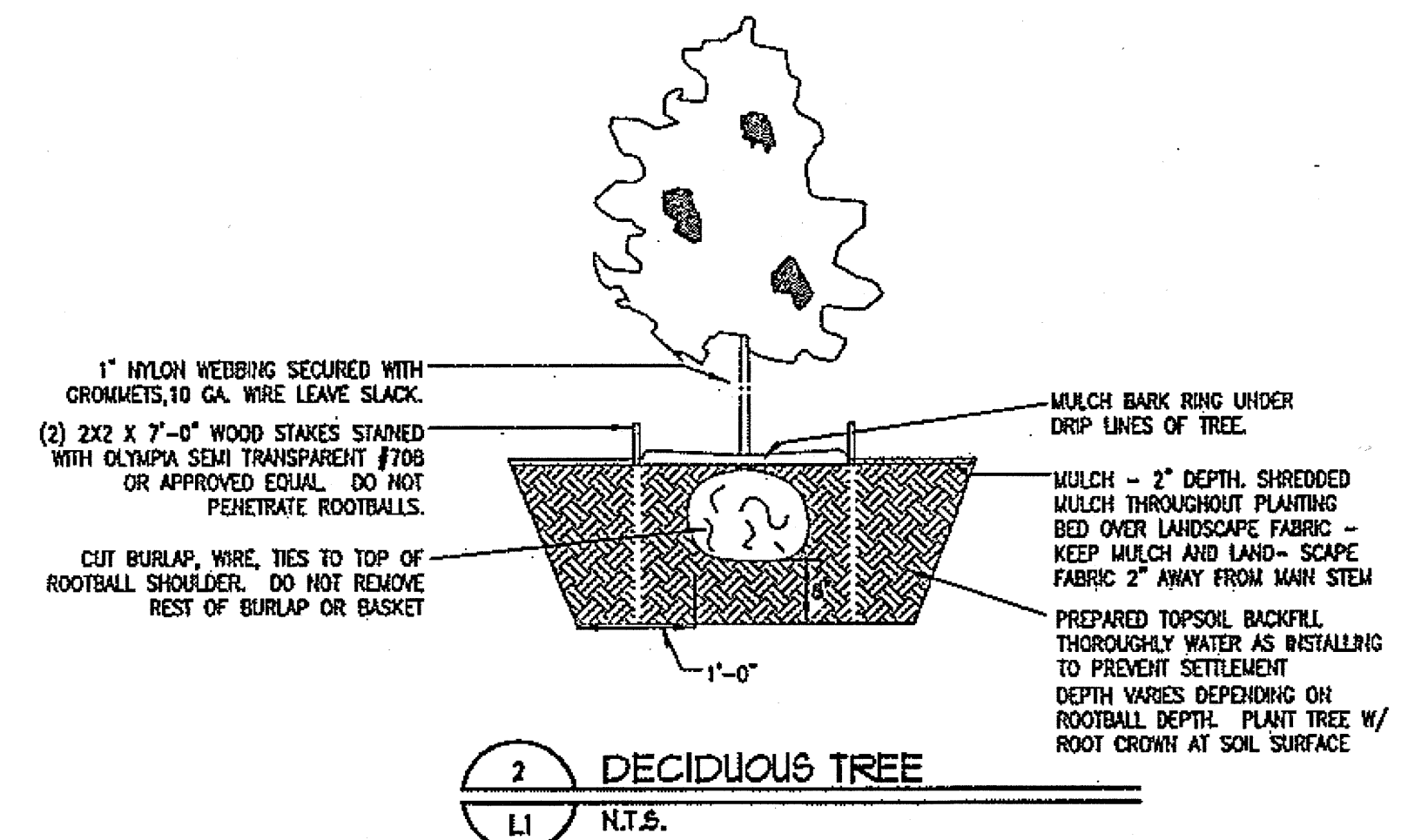
CHECKED BY: WCP 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: WCP DRAWN BY: RSS		JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION DETAILS	
PATH: P:\040708\ACAD\040708_A6.4.DWG DATE: Thursday, November 1, 2007		YENCHESKY, TOM	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION SHAK-9500(103) ~ 67763	YEAR 2007
		SHEET NO A6.4	TOTAL SHEETS 52



- (6) CANADA RED CHERRY (TREE) - 1 1/2" TRUNK Ø MIN., SEE 2/L1
- (58) LIGULARIA THE ROCKET (PERENNIAL) - 24" O.C. SPACING, SEE 3/L1
- (65) ASTILBE CATILEYA (PERENNIAL) - 18" O.C. SPACING, SEE 3/L1

GRASS

NOTE: 1. LANDSCAPE FABRIC: "WEED BLOCK PRO" AS MANUF. BY EASY GARDNER OR EQUIVALENT.
 2. PLASTIC EDGING: "PRO GARDEN EDGE" AS MANUF. BY SUNCREST OR EQUIVALENT.



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CHECKED BY: WCP 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: WCP DRAWN BY: RSS		JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION LANDSCAPE PLAN	
PATH: P:\040708\A\CAD\040708_L1.DWG DATE: Thursday, November 1, 2007		YENCHESKY, TOM	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION SHAK-9500(103) ~ 67763	YEAR 2007
		SHEET NO. L1	TOTAL SHEETS 52

SYMBOL	AREA	SERVED	SERVICE	TYPE	CFM	ESP ^[1] (IN H2O)	WHEEL TYPE	MOTOR DATA	BASIS OF DESIGN	RPM	MAX BHP	MIN FILTER AREA (SQ FT)	WEIGHT (LBS)	MAX SPL (db)	REMARKS
SF-1	MAINTENANCE BAY	SUPPLY	CABINET UNIT	1900	1.7	FC	1.5HP	TEMTROL FC-286	1482	1.07	8	1000	79[2]	1. SIDE ACCESS FILTER 2. 1.5 CFM/SQ FT, 100% OA	
SF-2	OFFICE AREA	SUPPLY	CABINET FAN	1050	1.6	FC	3/4HP	TEMTROL FC-183	1400	0.5	4	700	79[2]	1. SIDE ACCESS FILTER 2. 30% OA	
SF-3	PASSENGER SERVICE BAY	SUPPLY	CABINET UNIT	820	1.6	FC	3/4HP	TEMTROL FC-182	1500	0.40	4	700	79[2]	1. SIDE ACCESS FILTER 2. 1.5 CFM/SQ FT, 100% OA	
VF-1	ELECTRICAL ROOM	TRANSFER	PROP	530	0.10	PROP	1/30HP	PENN P-10VA	1050	---	---	---	7.5 SONES		
EF-1	UNISEX RESTROOM	EXHAUST	UTILITY FAN	140	0.25	FC	1/40HP	PANASONIC FV-15VQ3	1022	---	---	---	---	1. 1.5 SONES@ 0.1 IN H2O	
EF-2	WELDING	EXHAUST	UTILITY	1900	1.0	BI	1/2HP	CARWON CMB SERIES 8	2200	0.35	---	300	---	1. AHCA CERTIFIED FOR WELDING EXHAUST 2. PROVIDE WITH WALL MOUNT PLATFORM 3. PROVIDE WITH VIBRATION RAILS AND PADS	

[3] MAXIMUM THIRD OCTAVE BAND BARE FAN SOUND POWER LEVEL.

SYMBOL	ASSOC. FAN	CFM	CAPACITY (MGH) [1]	ENTERING SOLUTION TEMP (°F)	EAT (°F) MAX GPM	CONTROL VALVE Cv	MAX TUBE PD [1] (FT H2O)	MAX AIR PD (IN H2O)	MIN FACE AREA [2] (SQ FT)	REMARKS
PHC-1	SF-1	1900	91	180	4	12	6.8	4	0.03	6.25
PHC-2	SF-3	820	50	180	4	5	2.0	2	0.02	2.0
HC-1	SF-1	1900	81	180	40	10	6.8	3	0.05	6.25
HC-2	SF-2	1050	36	180	47	4	2.0	8	0.04	2.0
HC-3	SF-3	820	43	180	55	5	2.0	8	0.01	2.0

{1} CAPACITY AND PRESSURE DROP BASED ON 50% PROPYLENE GLYCOL / 50% WATER

SYMBOL	SERVICE	STYLE	GPM	HEAD (Ft. H ₂ O)	RPM	MOTOR DATA	BASIS OF DESIGN	REMARKS
P-1A,B	GLYCOL HEATING CIRCULATION	IN-LINE	46	38	1750	1 1/2 HP	BELL & GOSSETT SERIES 80 1-1/2X1-1/2X7B	1. PROVIDE PUMP SEALS RATED FOR USE WITH 50% GLYCOL CONCENTRATION
P-2	HOT WATER RECIRC	IN-LINE	5	9	----	1/25 HP	GRUNDFOS UP 15-42	1. PROVIDE PUMP SEALS RATED FOR USE WITH 50% GLYCOL CONCENTRATION
P-3	DOMESTIC HOT WATER RECIRC	IN-LINE	1	11	----	1/25 HP	GRUNDFOS UPS 15-42	

SYMBOL	ITEM	CAPACITY / SIZE	MOTOR DATA	BASIS OF DESIGN	REMARKS
B-1	BOILER	485 MBH GROSS OUTPUT 4.2 GPH BURNER CAPACITY	BURNER 1/4 HP	BURNHAM V-904A	-----
AS-1	HEATING SYSTEM AIR SEPARATOR	1.0 FT MAX PD @ 50 GPM	-----	BELL & GOSSETT R-3	1. MIN 95% AIR ELIMINATION
ET-1	EXPANSION TANK	15 GALLON TANK VOLUME 5 GALLON ACCEPTANCE VOLUME	-----	BELL & GOSSETT D-40V	12 PSIG PRE-CHARGE
ET-2	DOMESTIC HOT WATER THERMAL EXPANSION TANK	2 GALLON TANK VOLUME 1 GALLON ACCEPTANCE VOLUME	-----	AMTROL ST-5	40 PSIG PRE-CHARGE
WH-1	WATER HEATER	80 GALLON STORAGE CAPACITY 170 GPM RECOVERY @ 70F RISE 172F GRS @ 7 GPM	5 AMPS	AMTROL WH-80-ZCDW	1. PROVIDE WITH THERMOSTAT
PP-1	PRESSURE PUMP	13 GPM @ 30' HEAD	1/2 HP 3500 RPM	GOULDS J-5	-----
ADP-1	AIR DIAPHRAGM PUMP	15 GPM @ 25FT DISCHARGE @ 5 SCFM AIR 17 FT LIFT	-----	WILDEN M2	1. ALUMINUM CASE AND INTERNAL PARTS 2. PROVIDE PUMP RATED FOR USE WITH OIL SEPARATOR
OS-1	OIL/WATER SEPARATOR	150GPM INTERMITTENT FLOW 210 GAL STATIC STORAGE CAPACITY 200 GAL OIL STORAGE CAPACITY	-----	ROCKFORD OST 5644 SERIES	1. DOUBLE WALL CONSTRUCTION 2. PROVIDE WITH LEAK DETECTION 3. PROVIDE WITH ANODES 4. PROVIDE WITH HIGH OIL LEVEL SENSOR 5. PROVIDE WITH H2O RATED COVERS
AC-1	AIR COMPRESSOR	24 ACFM @ 125 PSI 80 GALLON RECEIVER	7.5 HP	INGERSOLL-RAND PREMIER SERIES	
EA-1	WELDING EXHAUST ARM	8" DUCT, 10FT ADJUSTABLE ARM WITH 180 DEGREE ROTATION	-----	----- CANNON EX-100	1. PROVIDE WITH WALL MOUNT PLATFORM 2. PROVIDE WITH HAND DAMPER 3. PROVIDE WITH LIGHT AND HAND SWITCH

11 OPERATING WEIGHT INDICATED PLUS 10% IS MAXIMUM ALLOWED WEIGHT IF USING A SEISMIC DETAIL PROVIDED AS PART OF CONTRACT DOCUMENTS

SYMBOL	LOCATION	STYLE	CAPACITY (MBH) [1]	MAX FLOW (GPM)	MAX PD (FT H ₂ O) [1]	EAT (F)	EGT (F)	MIN CFM	MOTOR DATA	BASIS OF DESIGN	REMARKS
UH-1	PASSENGER SERVICE BAY	VERTICAL	28	3	1.0	65	180	1790	1/6 HP	TRANE 80-P	
UH-2	MAINTENANCE BAY	VERTICAL	52	6	1.0	65	180	1790	1/6 HP	TRANE 122-P	
UH-3	BOILER ROOM	HORIZONTAL	4	1	1.0	65	180	280	1/25 HP	TRANE 18-S	

[1] CAPACITY AND PRESSURE DROP BASED ON 50% GLYCOL / 50% WATER SOLUTION UNLESS NOTED OTHERWISE.

SYMBOL	MODE	STYLE	MAX PDT (IN H2O) [1]	MAX NC LEVEL [2]	BASIS OF DESIGN	NOM. DUCT/ NECK SIZE (IN) [3]	NOM. CFM [4]	NOM. THROW (FT) [5]	REMARKS
SG-1	SUPPLY	LOUVERED GRILLE/REGISTER, DOUBLE DEFLECTION, VERTICAL FACE BARS, 3/4" SPACING.	0.1	30	TITUS 300RS	24X14	1490	70	1. WITH OBVD 2. 45 DEGREE DEFLECTION
SG-2	SUPPLY	LOUVERED GRILLE/REGISTER, 0.1 DOUBLE DEFLECTION, VERTICAL FACE BARS, 3/4" SPACING.	0.1	30	TITUS 300RS	24X14	1490	70	1. WITH OBVD 2. 22.5 DEGREE DEFLECTION
SG-3	SUPPLY	LOUVERED GRILLE/REGISTER, 0.1 DOUBLE DEFLECTION, VERTICAL FACE BARS, 3/4" SPACING.	0.1	30	TITUS 300RS	24X14	1490	70	1. WITH OBVD 2. 0 DEGREE DEFLECTION
SG-4	SUPPLY	SQUARE LOUVERED FACE, 4 WAY BLOW.	0.1	30	TITUS TDC-A4	12X12	460	30	1. WITH OBVD
TG-1	TRANSFER	LOUVERED GRILLE/REGISTER, 35 DEG FIXED, HORIZONTAL FACE BARS, 1/2" SPACING.	0.02	20	TITUS 355RL	24X14	570	-----	
TG-2	RETURN	12"x12" PERFORATED FACE DIFFUSER.	0.02	20	TITUS PAR	-----	400	-----	

{2} AS MEASURED IN ROOM SERVED.

{3}SEE DRAWINGS FOR ACTUAL SIZE
{4}SEE DRAWINGS FOR ACTUAL SIZE

{4}SEE DRAWINGS FOR ACTUAL CFM
{5}0.50 FPM TERMINAL VELOCITY

FIXTURE NUMBER	FIXTURE DESCRIPTION	---ROUGH IN SIZE---				-- CONNECTION SIZE --		
		WASTE (IN)	VENT (IN)	COLD WATER (IN)	HOT WATER (IN)	WASTE (IN)	COLD WATER (IN)	HOT WATER (IN)
WC-1	FLUSH VALVE WATER CLOSET	4	2	1-1/2	----	4	1-1/4	----
L-1	WALL-HUNG LAVATORY (ADA)	1-1/2	1-1/4	3/4	3/4	1-1/4	1/2	1/2
S-1	BREAK ROOM SINK	2	1-1/2	3/4	3/4	1-1/2	1/2	1/2
S-2	MOP SINK	3	1-1/2	3/4	3/4	3	1/2	1/2
S-3	SERVICE SINK SINK	3	1-1/2	3/4	3/4	3	1/2	1/2
S-4	FLOOR SINK	2	1-1/2	----	----	2	----	----
SH-1	UNISEX SHOWER	2	1-1/2	3/4	3/4	2	1/2	1/2
ESH-1	EMERGENCY SHOWER	2	1-1/2	1-1/4	1-1/4	2	1-1/4	1-1/4
FD-1	FLOOR DRAIN	2	1-1/2	----	----	2	1/2	----
H6-1	EXTERIOR HOSE BB	----	----	3/4	----	----	1/2	----
H6-2	INTERIOR HOSE BB	----	----	3/4	----	----	1/2	----
WB-1	WASHER BOX	2	1-1/2	3/4	3/4	1-1/2	1/2	1/2

SYMBOL	AREA SERVED	TOTAL EXPECTED OCCUPANCY	DESIGN SUPPLY CFM	MINIMUM OUTSIDE AIR CFM	REMARKS
SF-1	MAINTENANCE BAY	3	1900	285	1. CONSTANT VOLUME SYSTEM 2. 1.5CFM/SQFT EXHAUST VOLUME REQUIRED FOR VEHICLE GARAGE
SF-2	OFFICE AREA	6	1050	315	1. CONSTANT VOLUME SYSTEM
SF-3	PASSENGER SERVICE BAY	1	820	125	1. CONSTANT VOLUME SYSTEM 2. 1.5CFM/SQFT EXHAUST VOLUME REQUIRED FOR VEHICLE GARAGE

{1} BASIS: ASHRAE 62.1-2004 AS REFERENCED BY INTERNATIONAL MECHANICAL CODE

	SENSOR		PIPE CONNECTION
	THERMOSTAT		ELBOW TURNED DOWN
	BYPASS TIMER		ELBOW TURNED UP
	CARBON MONOXIDE		BALANCING COCK
	PRESSURE REDUCING VALVE		GLOBE VALVE
	DRAIN VALVE		CHECK VALVE
	PRESSURE RELIEF VALVE		NON-SLAM CHECK VALVE
	UNION		ISOLATION VALVE
	2-WAY CONTROL VALVE		FLOW CONTROL VALVE
	3-WAY CONTROL VALVE		AIR VENT
	STRAINER W/ BLOWDOWN		CONNECTION TO EXISTING
	THERMOMETER		PRESSURE & TEMPERATURE TEST TAP
	PRESSURE GAUGE		

SYMBOL	ABBREV	SYSTEM
_____	W	WASTE
_____	V	VENT
_____	CW	COLD WATER
_____	HW	HOT WATER
_____	RHW	RECIRCULATED HOT WATER
_____	THW	TEMPERED WATER
_____	GHS	GLYCOL HEATING SUPPLY
_____	GHR	GLYCOL HEATING RETURN

 FIRE/SMOKE DAMPER

 FIRE DAMPER

 VOLUME DAMPER

 BALANCING DAMPER

 MOTORIZED DAMPER

 ROUND DUCT DIAMETER

 MITERED ELBOW WITH
TURNING VANES

 INSULATED DUCT, X=
THICKNESS OF INSULATION

 SOUND LINED DUCT,
X= THICKNESS OF LINING

 TURNING DOWN

 RETURN OR EXHAUST
DUCT TURNING UP OR
DOWN

 SUPPLY DUCT TURNING
UP OR DOWN

DIA (IN)	MAXIMUM CFM
4	30
5	60
6	90
7	140
8	200
9	280
10	380
12	600

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: FJX



DESIGNED BY: FJX

DRAWN BY: FJK

PATH: P:\040708\ACAD\040708 M001.DWG

DATE: Thursday, November 1, 2007

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

JNU-AMHS-AUKE BAY
FVF SUPPORT FACILITY
BUILDING CONSTRUCTION

SCHEDULES AND LEGENDS

REVISIONS

PROJECT DESIGNATION

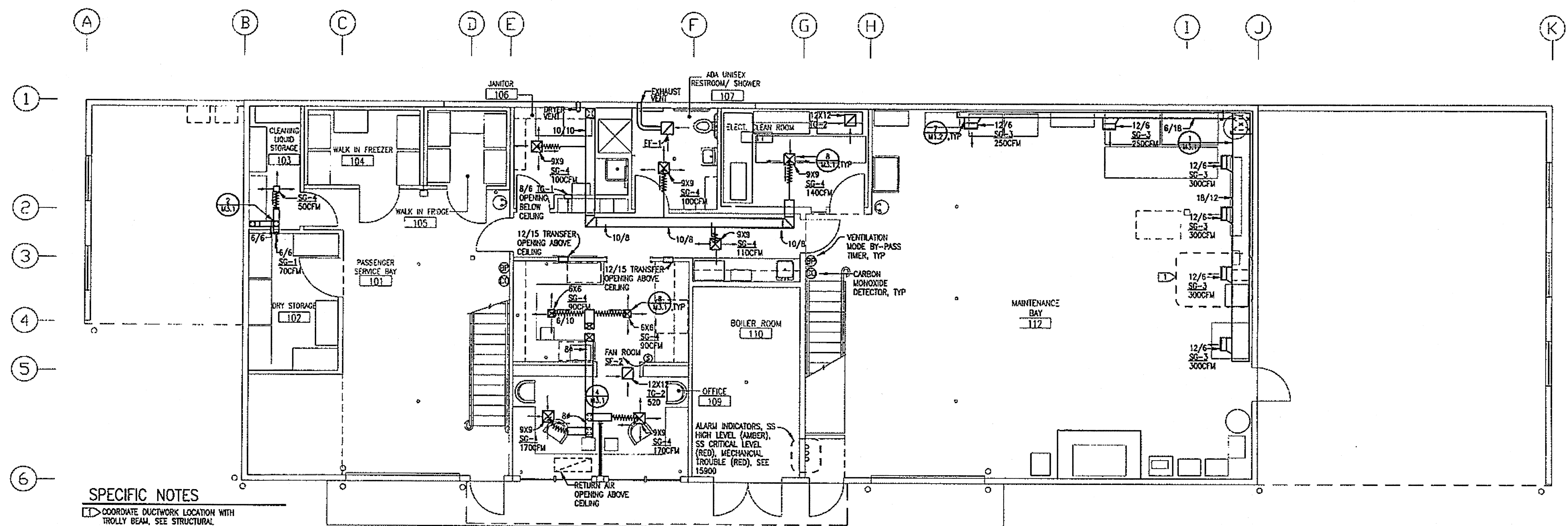
SHAK-9500(103) ~ 67763

	8.600 A 10	
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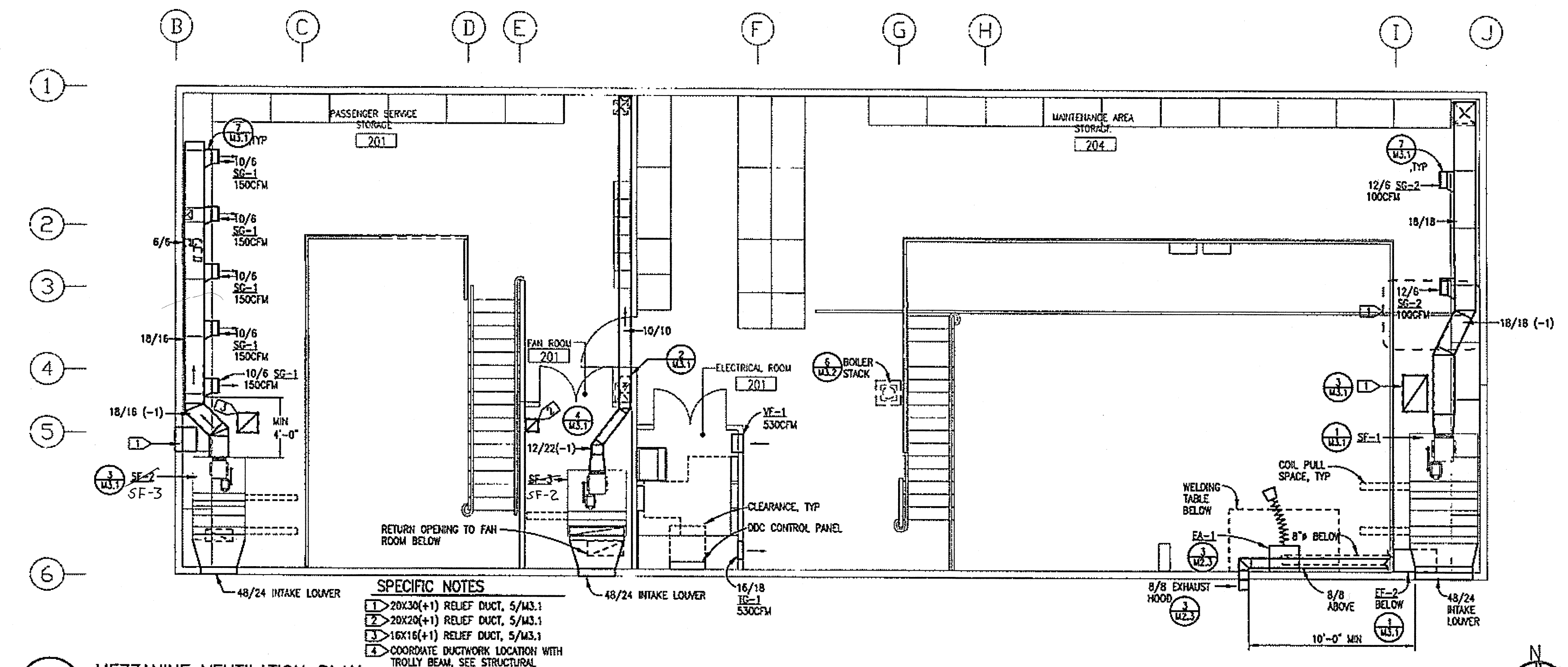
YEAR

2007

2007



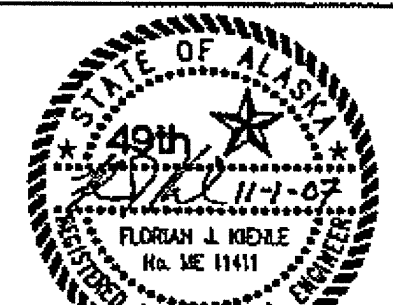
1 GROUND FLOOR VENTILATION PLAN
 M1.1 3/16" = 1' - 0"



2 MEZZANINE VENTILATION PLAN
 M1.1 3/16" = 1' - 0"

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-AMHS-AUKE BAY
 FVF SUPPORT FACILITY
 BUILDING CONSTRUCTION
 VENTILATION PLANS

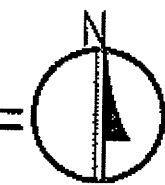
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DRAWN BY: FJK

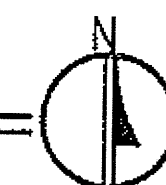
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 DATE: Thursday, November 1, 2007

KIENLE, FLORIAN

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			SHAK-9500(103) ~ 67763	2007	M1.1	52



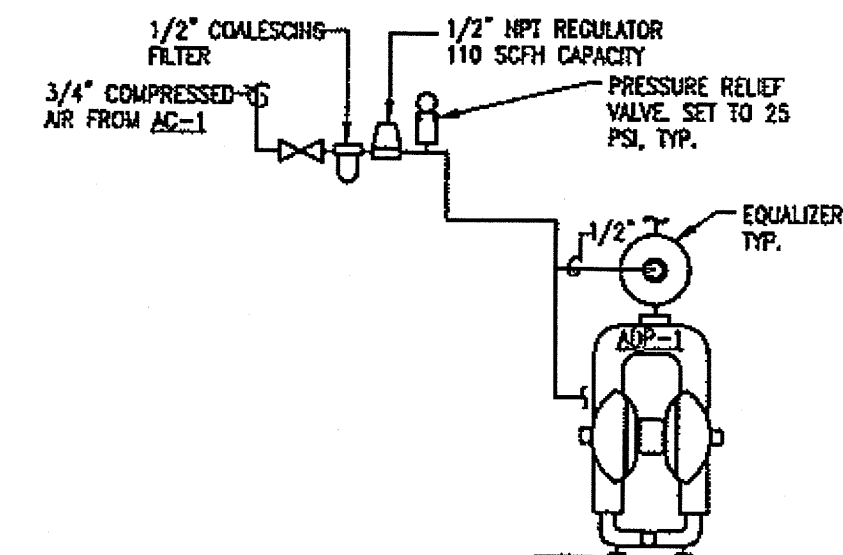
M2.2 $3/16'' = 1' - 0''$



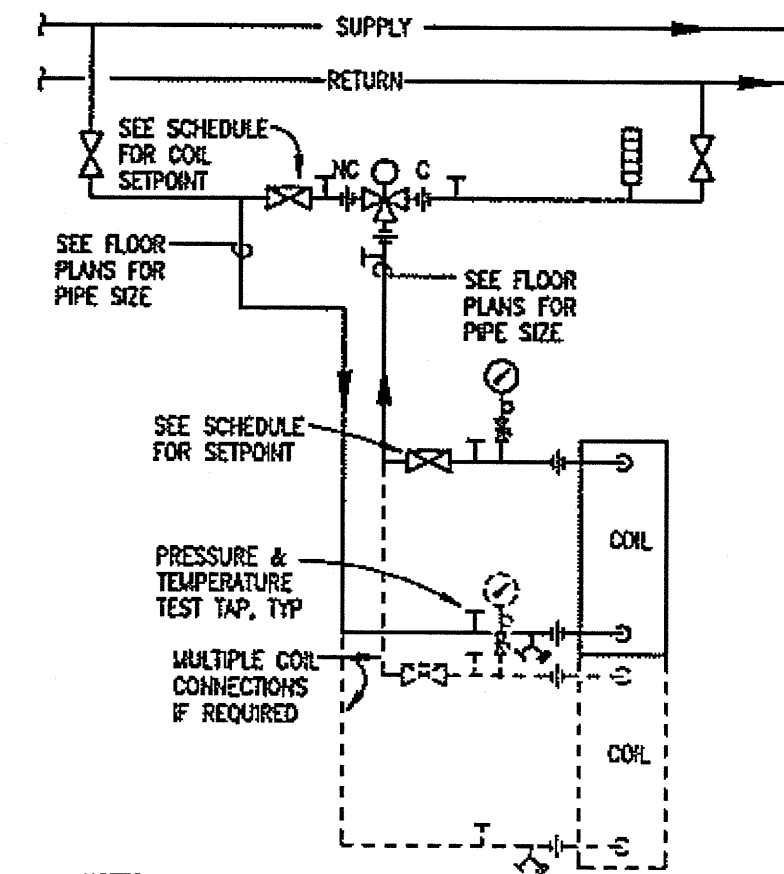
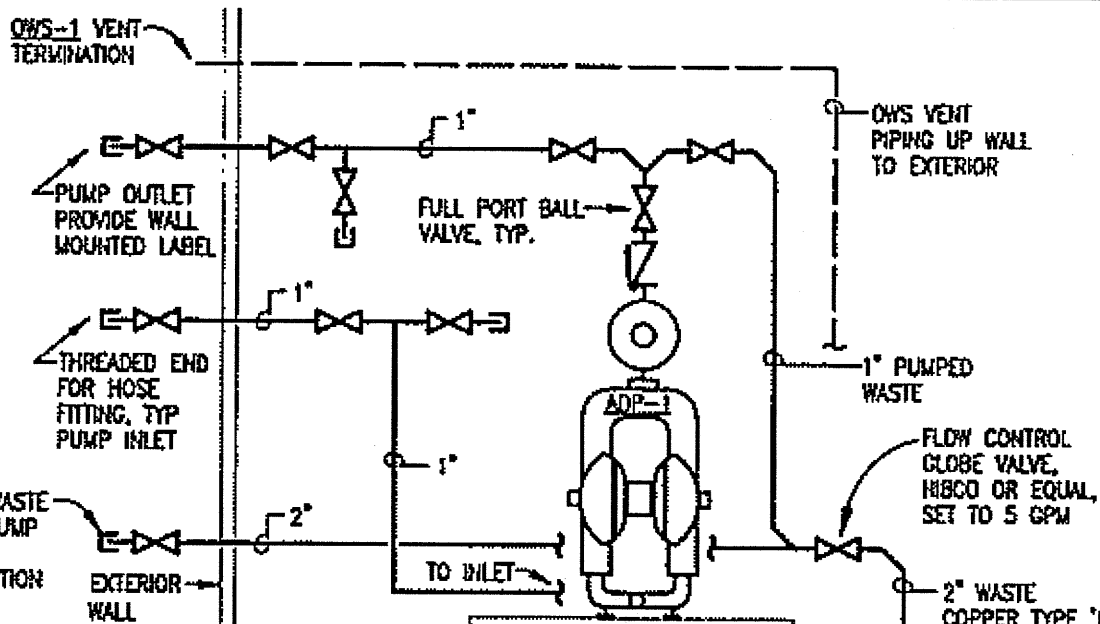
M2.2 $3/16'' = 1' - 0''$

CHECKED BY: FJK 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION															
DESIGNED BY: FJK DRAWN BY: FJK	JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION PIPING PLANS															
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REVISIONS																
NO	DATE	DESCRIPTION														

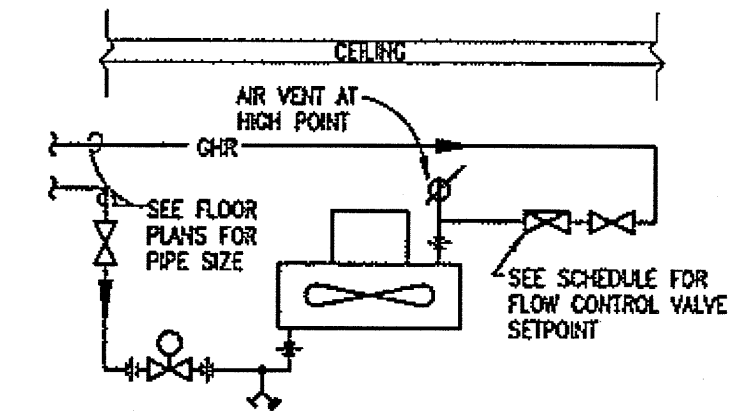
COMPRESSED AIR INSTALLATION DETAIL



WASTE AND PUMP PIPING DETAIL

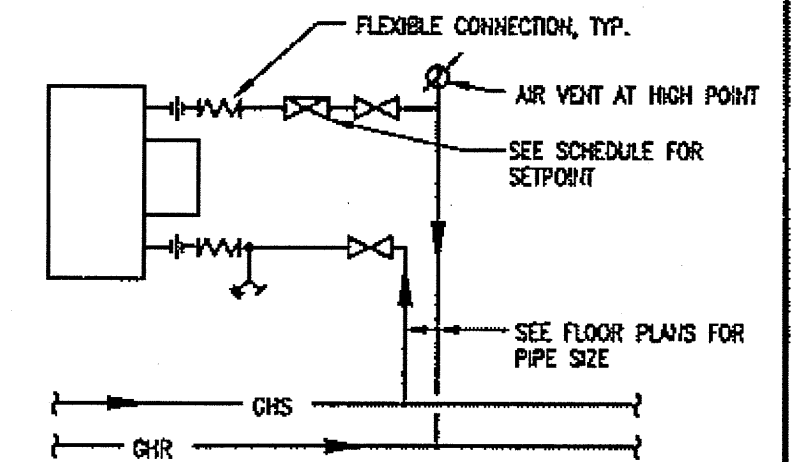


- NOTES:
1. SEE COIL SCHEDULE FOR BALANCING COCK SETPOINT & CONTROL VALVE CV.
 2. LOCATE PIPING & PROVIDE UNIONS TO ALLOW REMOVAL OF COIL WITHOUT REMOVAL OF ANY ADDITIONAL PIPING OTHER THAN THAT BETWEEN UNIONS AND COIL.



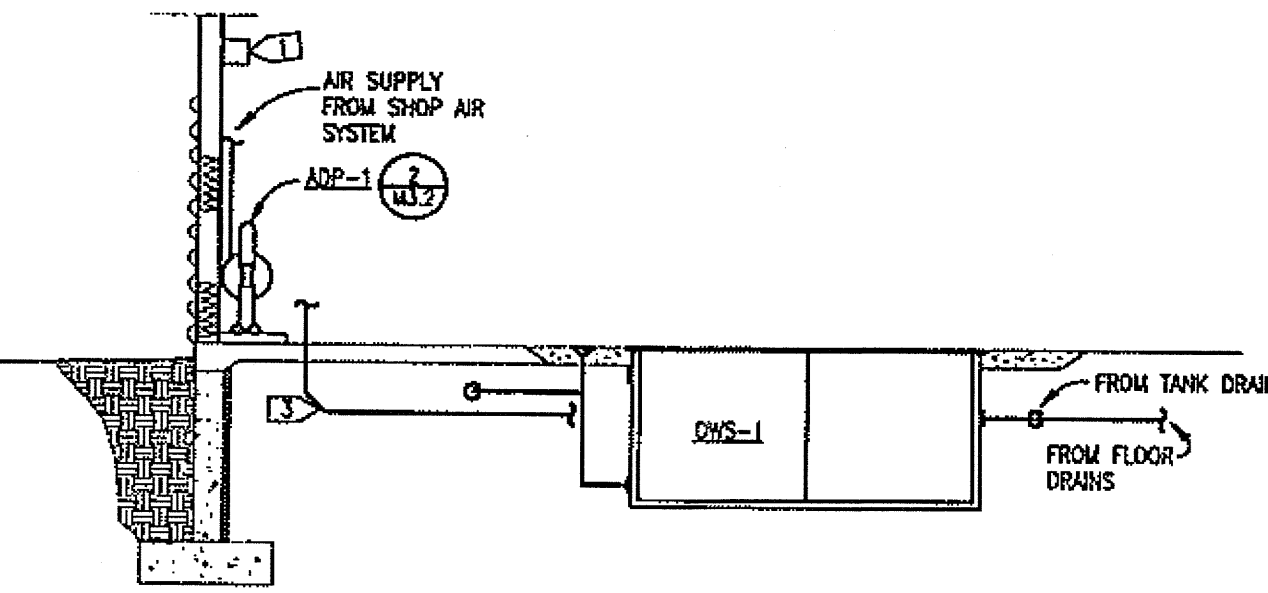
- NOTE:
1. AIR VENT NOT REQUIRED IF MAIN IS HIGH POINT.
 2. MOUNT AT MANUFACTURE MINIMUM REQUIRED DISTANCE TO CEILING.

VERTICAL UNIT HEATER



- NOTES:
1. FLEXIBLE CONNECTORS REQUIRED ONLY AT UNIT HEATERS WITH MOTORS 1/4 HP AND LARGER.
 2. AIR VENT NOT REQUIRED IF MAIN IS HIGH POINT.

HORIZONTAL UNIT HEATER



SPECIFIC NOTES

1. OIL LEVEL ALARM. ROUTE TO WALL NEAR ADP-1 PROVIDE POWER FROM CONTROL CIRCUIT. HIGH LEVEL LIGHT ON WALL WITH LABEL.
2. 2" TYPE K COPPER PIPING WITH LONG RADIUS ELBOWS FROM PUMP INLET.

OWS-1 ELEVATION

M3.2 NO SCALE

AIR DIAPHRAGM PUMP INSTALLATION DETAILS

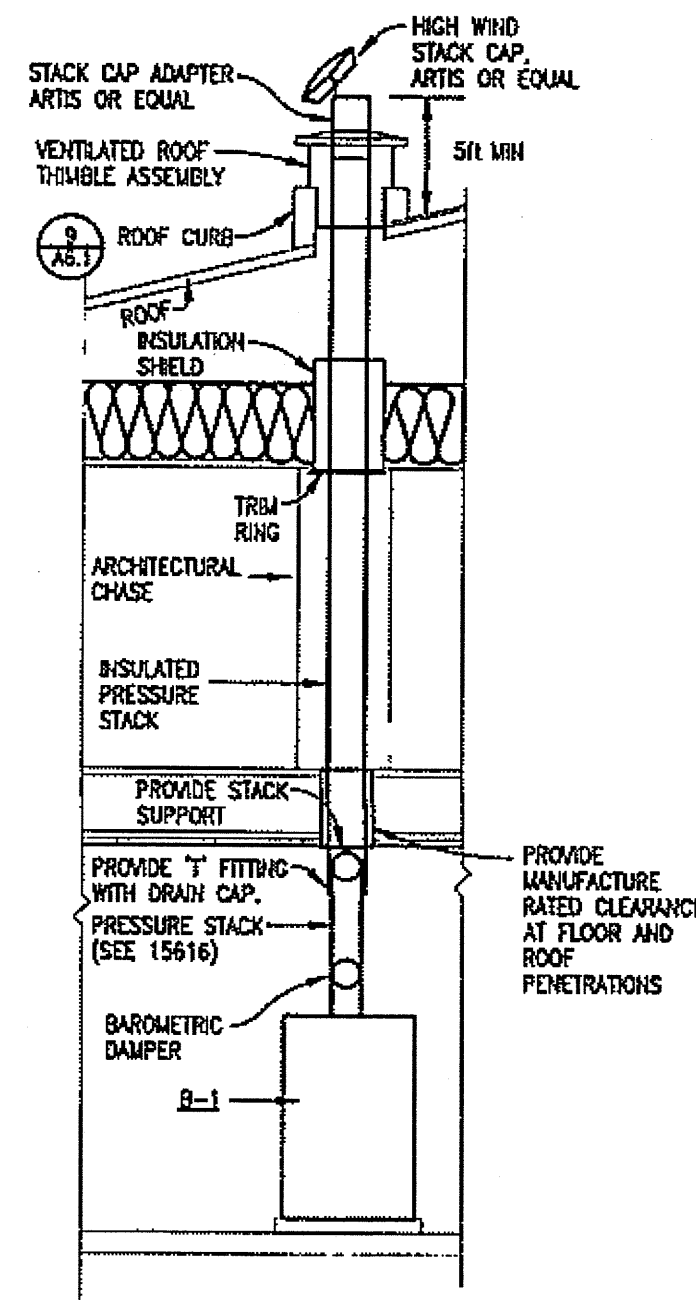
M3.2 NO SCALE

COIL PIPING DIAGRAM, TYP

M3.2 NO SCALE

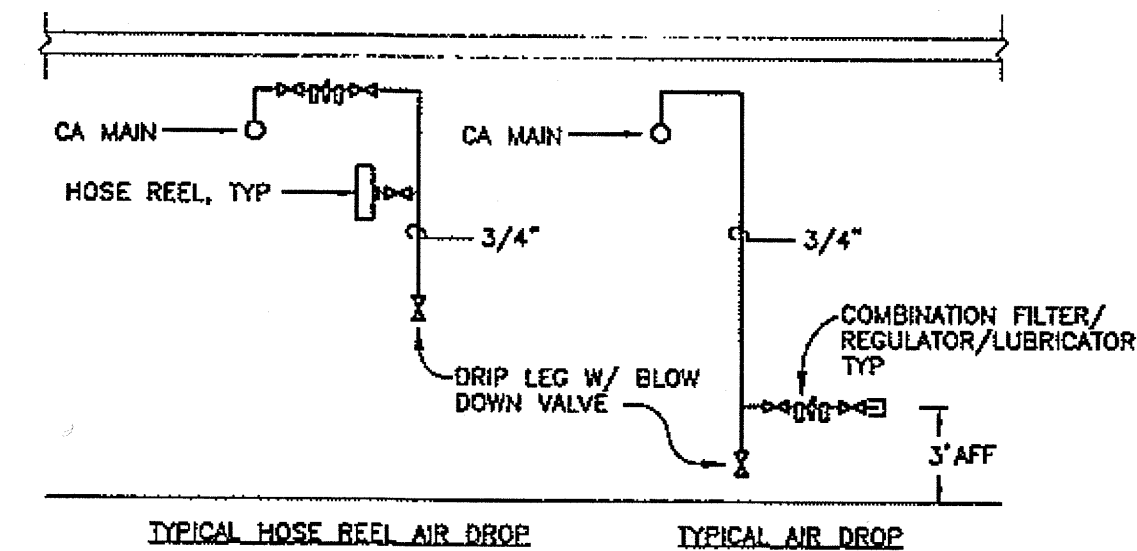
UNIT HEATER PIPING DIAGRAMS

M3.2 NO SCALE



BOILER STACK ELEVATION

M3.2 NO SCALE

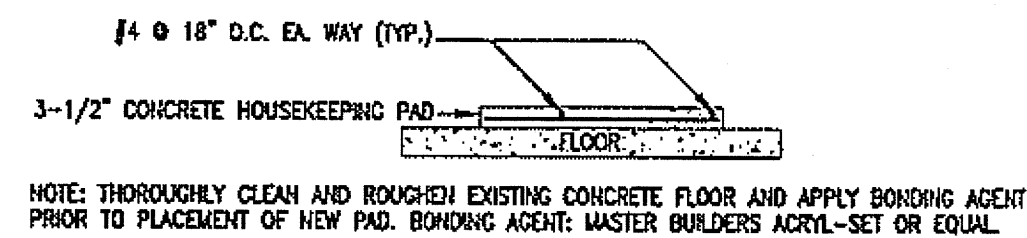


GENERAL NOTES

1. PROVIDE COMBINATION FILTER/REGULATOR/LUBRICATOR, AND DRIP LEG W/ BLOW DOWN VALVE AT ALL LOCATIONS.
2. PROVIDE HOSE REELS AT LOCATIONS INDICATED.
3. TWO HOSE REELS ARE SHOWN.

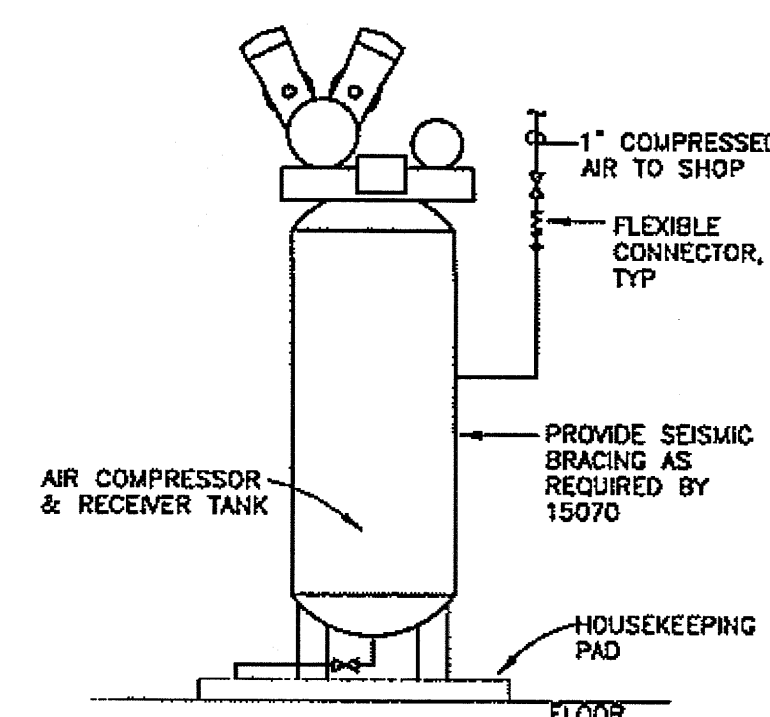
COMPRESSED AIR PIPING DIAGRAMS

M3.2 NO SCALE



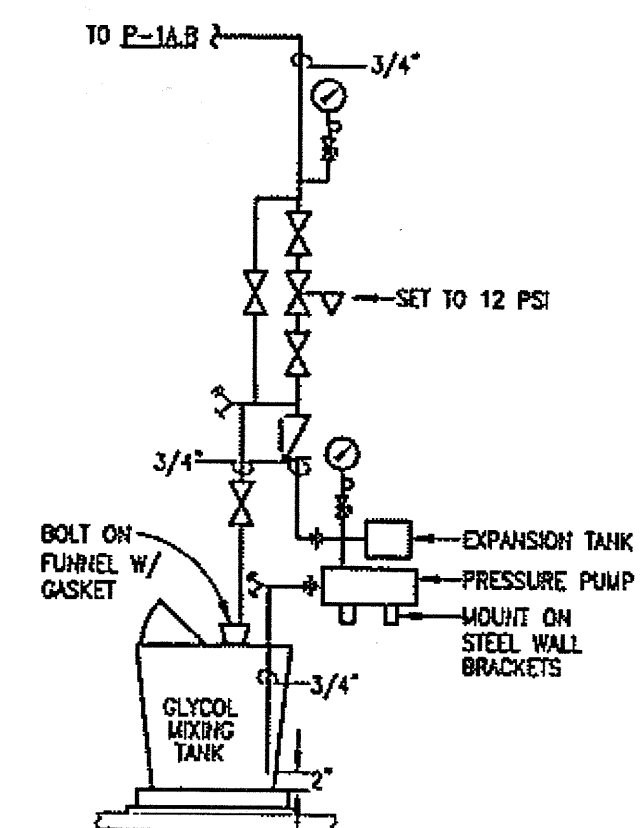
HOUSEKEEPING PAD DETAIL

M3.2 NO SCALE



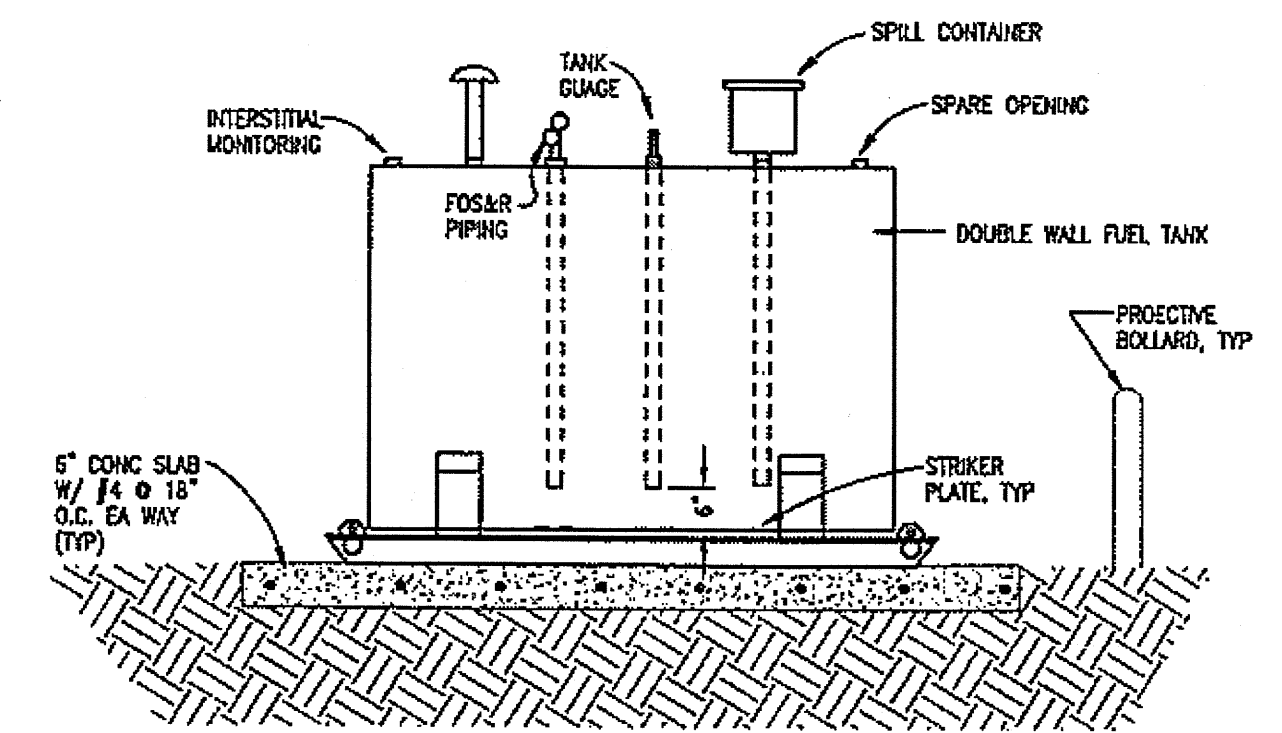
AIR COMPRESSOR INSTALLATION DETAIL

M3.2 NO SCALE



GLYCOL MAKEUP TANK PIPING DIAGRAM

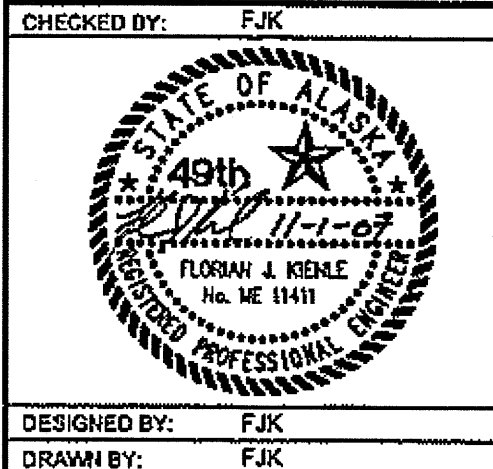
M3.2 NO SCALE



HEATING OIL TANK ELEVATION

M3.2 NO SCALE

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DESIGNED BY: FJK
DRAWN BY: FJK
PATH: P:\346708\MACAD\040708 M302.DWG
DATE: Thursday, November 1, 2007

REVISIONS
NO. DATE DESCRIPTION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION
**JNU-AMHS-AUKE BAY
FVF SUPPORT FACILITY
BUILDING CONSTRUCTION**
**PIPING (ELEVATIONS
AND DETAILS)**

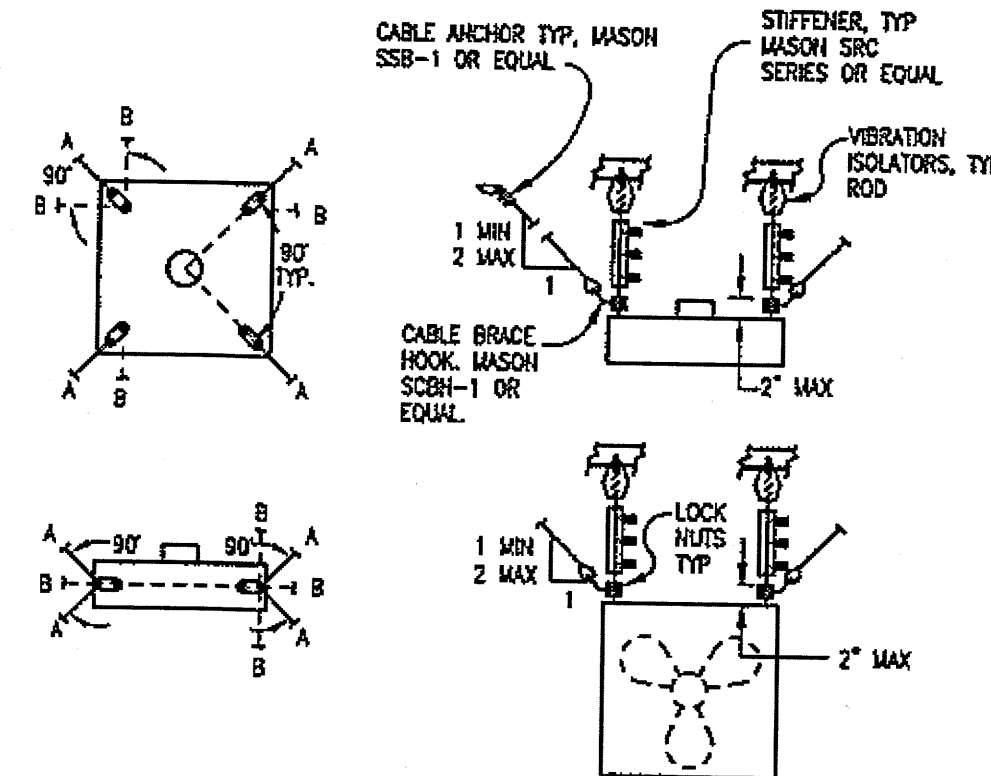
PROJECT DESIGNATION
SHAK-9500(103) - 67763
YEAR
2007
SHEET NO.
M3.2
TOTAL SHEETS
52

SEISMIC BRACING BOLT SCHEDULE

EQUIPMENT SYMBOL	BOLT DIAMETER (IN)	CONCRETE EXPANSION ANCHOR CONNECTION		STEEL CONNECTION		LAG CONNECTION	
		MIN EMBED DEPTH (IN)	MIN BOLT SEPARATION DISTANCE (IN)	ALLOWABLE BOLT TENSION IN 3000 LB CONCRETE	ALLOWABLE BOLT SHEAR IN 3000 LB CONCRETE	ALLOWABLE BOLT TENSION	ALLOWABLE BOLT SHEAR
SF-1	3/8	---	---	---	---	2200	1100
SF-2	3/8	---	---	---	---	2200	1100
SF-3	3/8	---	---	---	---	2200	1100
EF-2	3/8	---	---	---	---	---	535
B-1	3/8	3 1/2	8 [1]	325	780	---	260
P-1A,B	10-16	---	---	---	---	784	1268
AS-1	10-16	---	---	---	---	784	1268
ET-1	10-16	---	---	---	---	784	1268
GMT	10-16	---	---	---	---	784	1268
UH-1,2	3/8	---	---	---	---	535	260

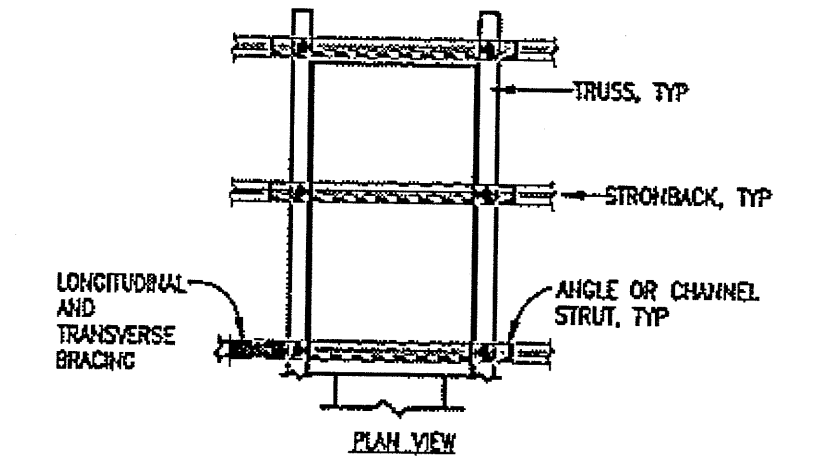
GENERAL NOTES

- CONCRETE ANCHOR BASIS OF DESIGN BOLT, POWERS FASTENER - POWER BOLT. SPECIAL INSPECTION IS NOT REQUIRED TO ACHIEVE INDICATED SHEAR & TENSION VALUES.
- EXCEEDING MIN EMBED DEPTH REQUIRES CORRESPONDING INCREASE IN SEPARATION DISTANCE.
- CHEMICAL CONCRETE ANCHORS EXCEED STRENGTH OF BASIS OF DESIGN BOLTS FOR SAME SIZE & EMBED DEPTH AND MAY BE USED AT CONTRACTOR'S OPTION PROVIDED SPECIAL INSPECTION REQUIREMENTS ARE MET.



- NOTES:
- VIBRATION ISOLATORS ARE REQUIRED ONLY AT UNIT HEATERS WITH MOTORS 1/4 HP AND LARGER.
 - ROD STIFFENERS REQUIRED ON EQUIPMENT WITH AN IMPORTANCE FACTOR OF $I_p=1.5$.
 - PROVIDE GALVANIZED 7 x 9 STRAND CABLE, MIN 1/8" ϕ .
 - PROVIDE SECONDARY FRAMING MEMBERS AS REQUIRED TO ANCHOR CABLE AT INDICATED ANGLES TO SUPPORT INDICATED CABLE LOADS.
 - NOTE THAT CHANNEL STRUT MAY ONLY BE LOADED AT ANGLES CONSISTENT WITH LOAD RATINGS.
 - ALTERNATE CABLE CONFIGURATIONS A OR B PROVIDED UNIT HEATER IS RESTRAINED IN ALL DIRECTIONS AND CABLES ARE INSTALLED AT 90 DEG $\pm$ 15 DEG IN HORIZONTAL PLANE.

UNIT TYPE	UNIT TYPE	OPERATING WEIGHT	CABLE (1) LOAD
VERTICAL BLOW	HORIZONTAL BLOW	ALLOWED	
42 P	18 S	---	---
80 P	42 S	50 LBS	100 LBS
102 P	60 S	---	---
202 P	100 S	100 LBS	200 LBS



GENERAL NOTES

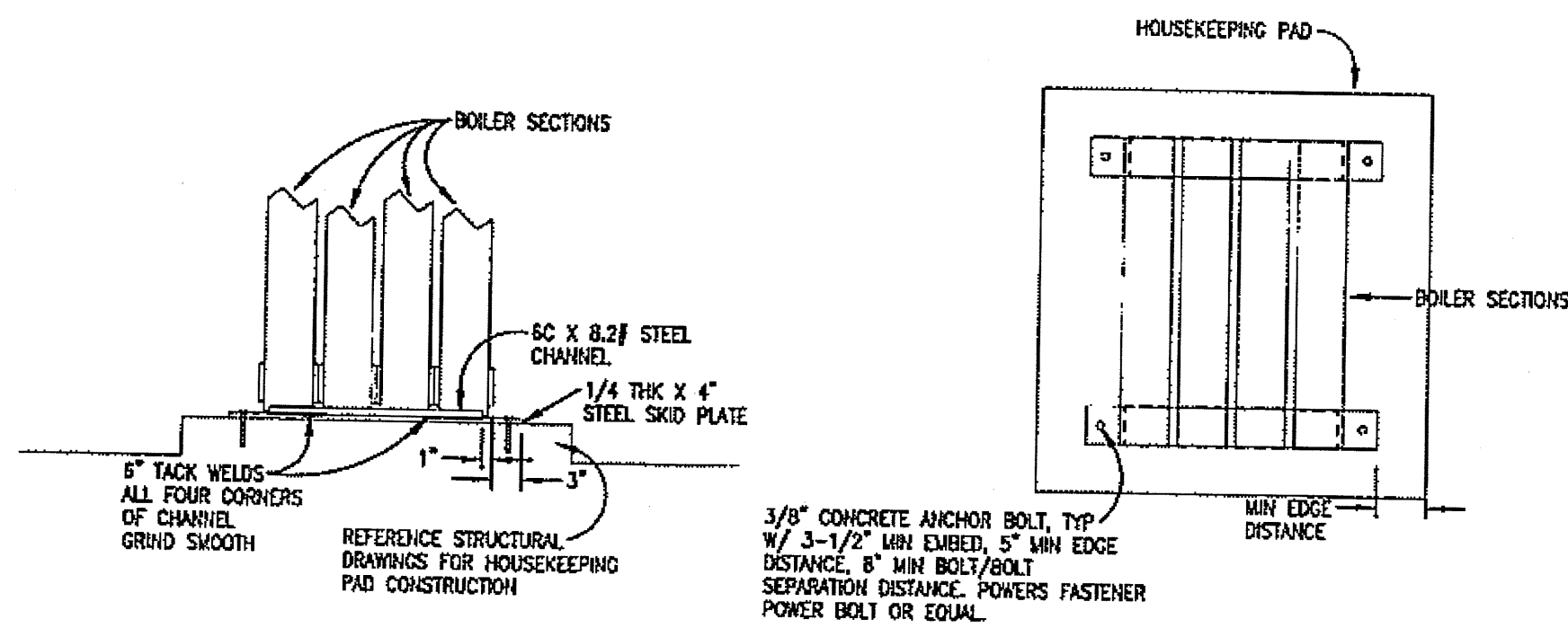
- LONGITUDINAL AND TRANSVERSE BRACING NOT SHOWN FOR CLARITY.

SUPPLY FAN SEISMIC RESTRAINT DETAIL

M3.3 NO SCALE

SEISMIC BRACING BOLT SCHEDULE

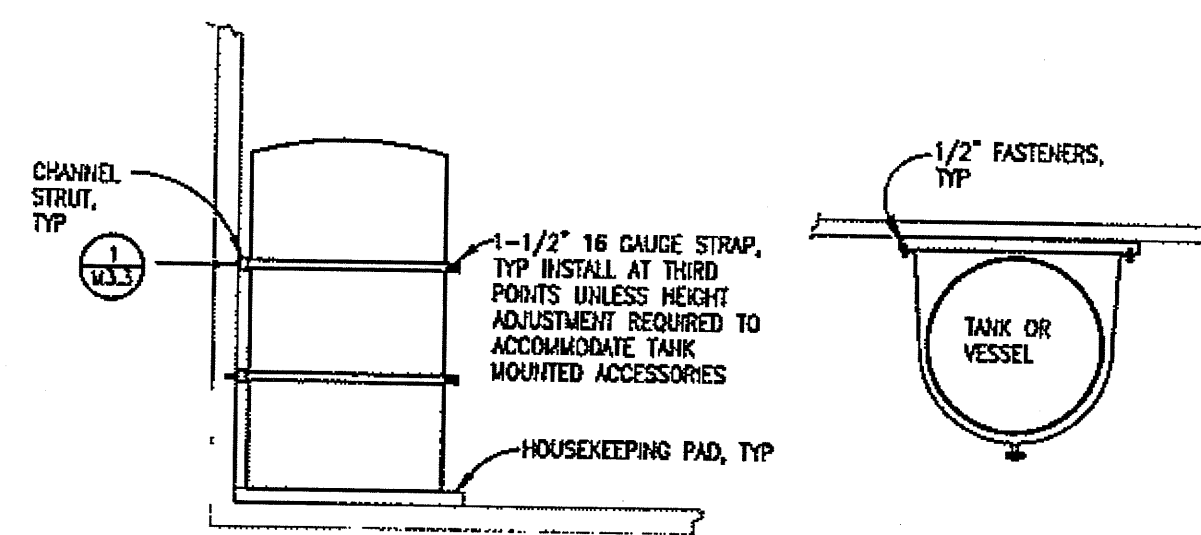
M3.3 NO SCALE



ELEVATION

BOILER SEISMIC DETAIL

M3.3 NO SCALE

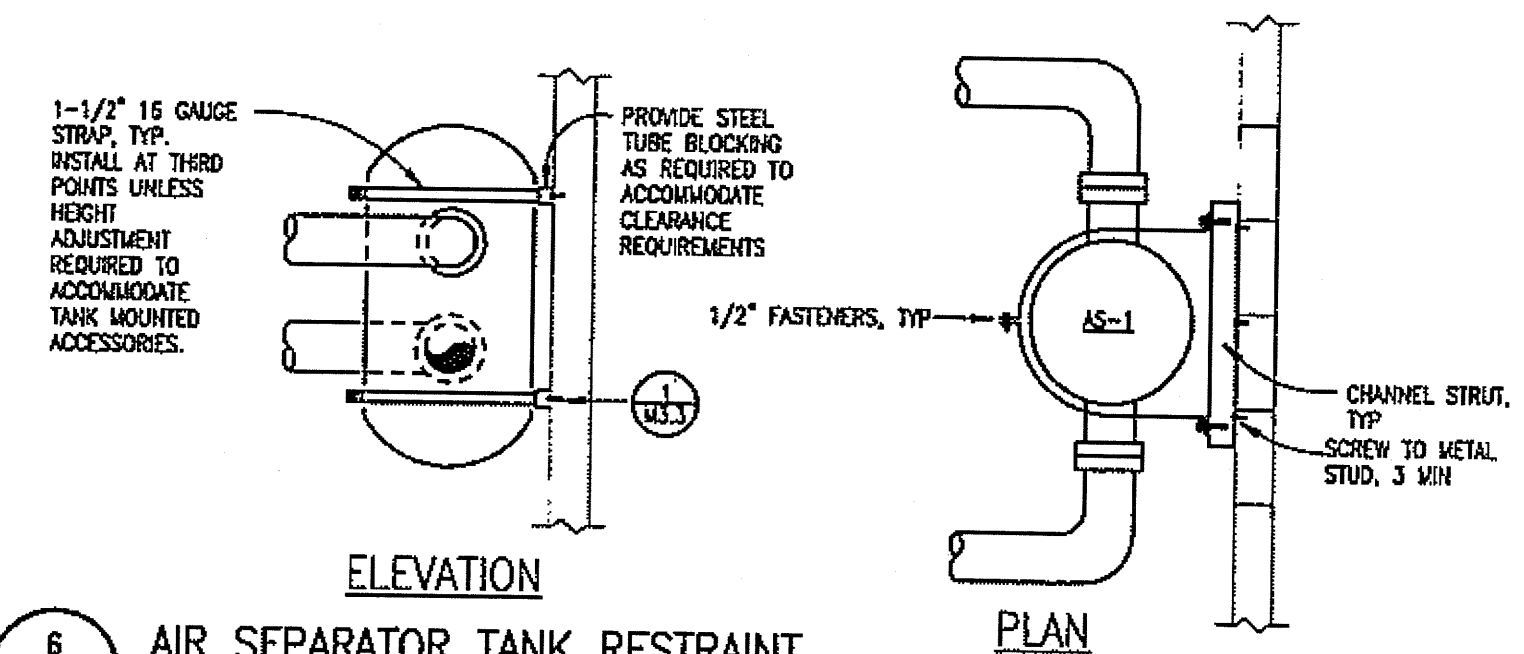


ELEVATION

PLAN

EXPANSION AND GMT TANK SEISMIC RESTRAINT

M3.3 NO SCALE

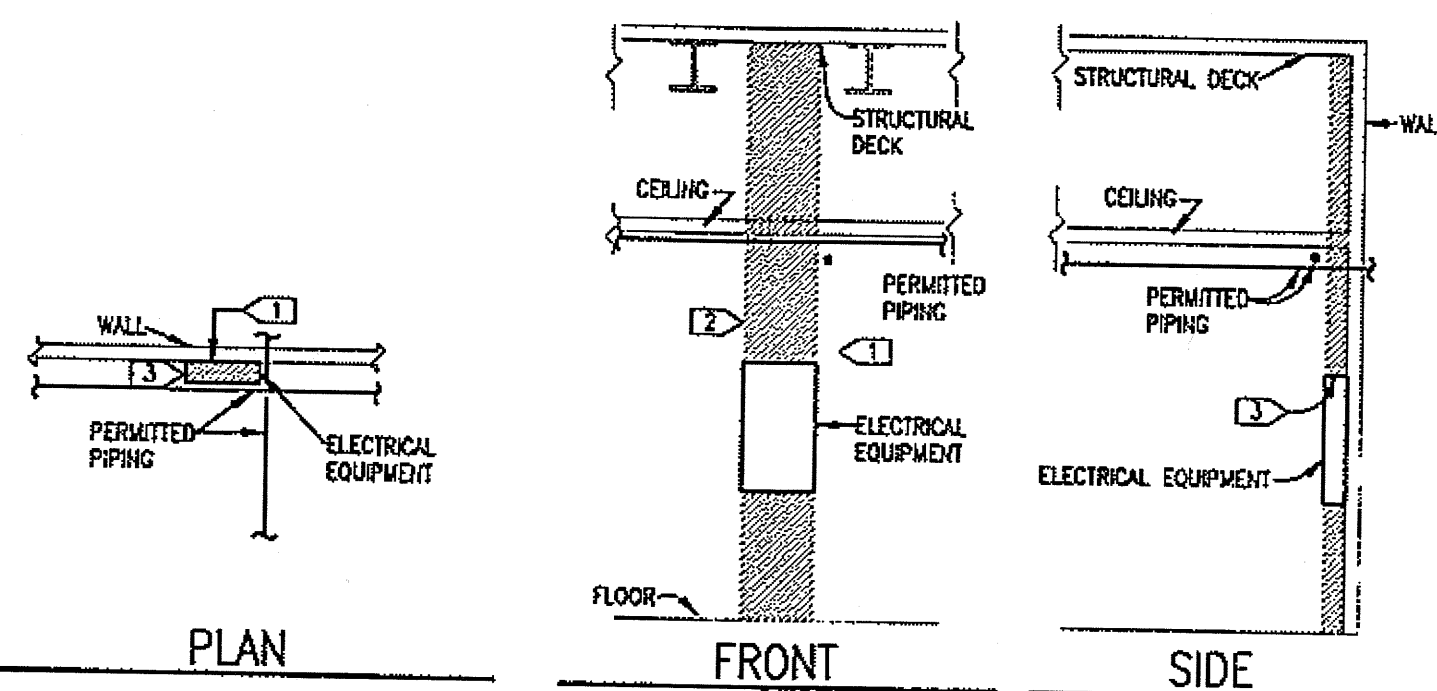


ELEVATION

PLAN

AIR SEPARATOR TANK RESTRAINT

M3.3 NO SCALE



PLAN

FRONT

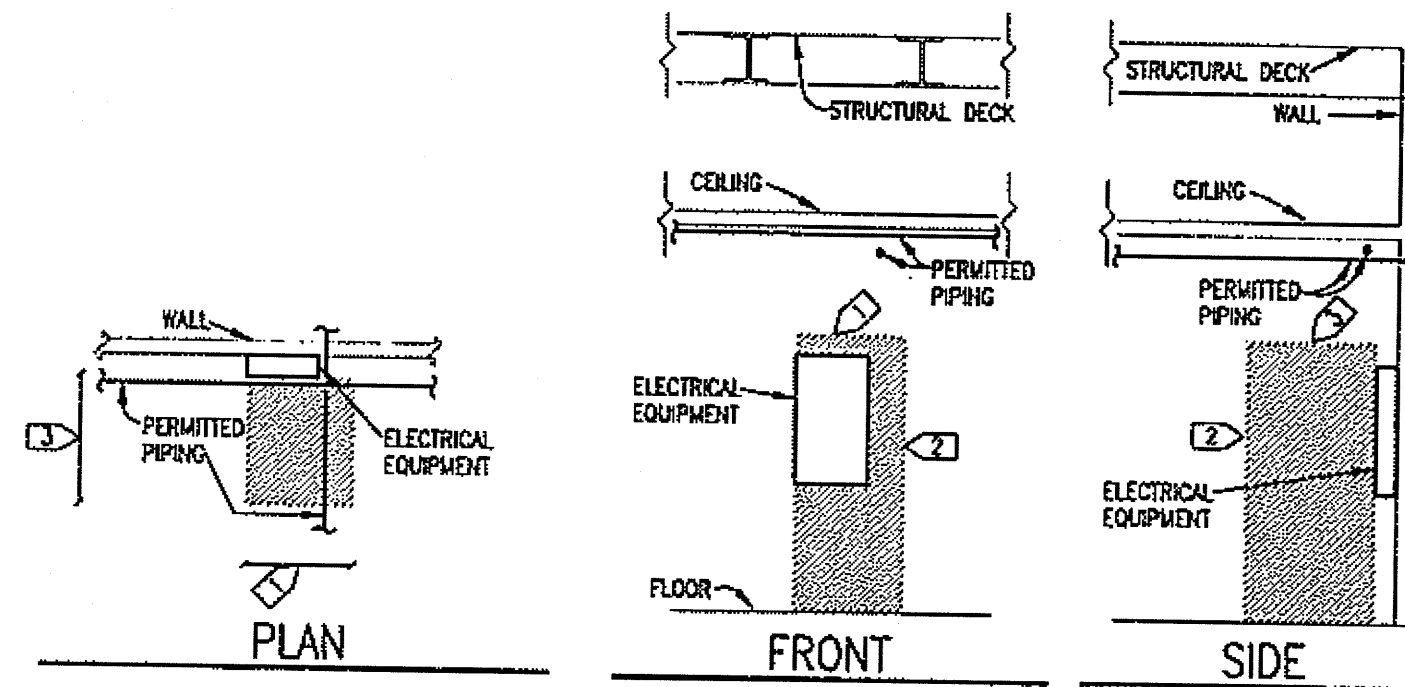
SIDE

SPECIFIC NOTES

- WIDTH OF THE EQUIPMENT
- FROM FLOOR TO 6" ABOVE EQUIP OR STRUCTURAL DECK, WHICHEVER IS LOWER
- DEPTH OF THE EQUIPMENT

ELECTRICAL DEDICATED SPACE

M5.1 NO SCALE



PLAN

FRONT

SIDE

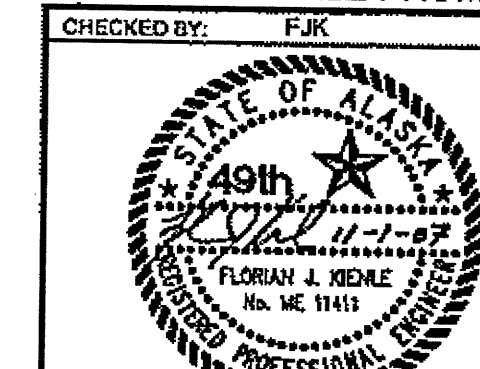
SPECIFIC NOTES

- 30" OR WIDTH OF EQUIPMENT, WHICHEVER IS GREATER; NEED NOT BE CENTERED ON EQUIPMENT
- 6" OR HEIGHT OF EQUIPMENT, WHICHEVER IS GREATER
- FOR 208Y/120 VOLT AND 120/240 VOLT, DEPTH = 3"; FOR 480Y/277 VOLT, DEPTH = 36", 42" OR 48" DEPENDING ON CONDITIONS. SEE NEC 110.26(A)(1).

ELECTRICAL WORKING SPACE

M5.1 NO SCALE

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DRAWN BY: FJK
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

JNU-AMHS-AUKE BAY
FV SUPPORT FACILITY
BUILDING CONSTRUCTION

SEISMIC AND
CLEARANCE DETAILS

NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
---	---	---	SHAK-9500(103) ~ 67763	2007	M3.3	52

ELECTRICAL SYMBOL LEGEND

	NOTE KEY - INDICATES NOTES APPLICABLE ON EACH SHEET
	LIGHTING FIXTURE TYPE - SEE LIGHTING FIXTURE SCHEDULE
	ROOM NUMBER
	SWITCHES UP 4'-0", U.O.N.: SPST; THREE-WAY
	MANUAL MOTOR SWITCH WITH THERMAL OVERLOAD(S)
	LIGHTED TOGGLE SWITCH UP 4'-0", U.O.N.: SPST; TOGGLE LIGHT NORMALLY ON
	WALL MOUNTED H.I.D. FIXTURE OR COMPACT FLUORESCENT - SEE LIGHTING FIXTURE SCHEDULE
	RECESSED OR SURFACE CEILING MOUNTED FLUORESCENT FIXTURE - SEE LIGHTING FIXTURE SCHEDULE
	EMERGENCY LIGHTING FIXTURE - TWO LAMPS OF FIXTURE TO BE PROVIDED WITH EMERGENCY BALLAST - SEE LIGHTING FIXTURE SCHEDULE KEY 'EM' FOR DETAILS
	EMERGENCY EXIT LIGHTING UNIT WITH ARROWS WHERE SHOWN: CEILING MTD - SEE LIGHTING FIXTURE SCHEDULE
	PHOTOCELL
	MULTI-OUTLET RACEWAY
	PANELBOARD: SURFACE MOUNTED
	RECEPTACLE: DUPLEX; QUAD
	SPECIAL PURPOSE RECEPTACLE (NEMA TYPE AS NOTED)
	CFCI RECEPTACLE
	CEILING MOUNTED CORD REEL AND OUTLET
	JUNCTION BOX
	EQUIPMENT CONNECTION
	MOTOR - H.P., VOLTAGE & PHASE AS NOTED
	MOTOR CONTROLLER, H.P., RATED FULL VOLTAGE, NON-REVERSIBLE, U.O.N.
	HEAVY DUTY DISCONNECT, H.P., RATED WHEN USED IN MOTOR CIRCUITS, OTHERWISE AMPERE RATING MUST MATCH CIRCUIT RATING
	COMBINATION MAGNETIC STARTER/DISCONNECT
	FIRE ALARM CONTROL PANEL (FACP): SURFACE MOUNTED
	MANUAL PULL STATION
	FIRE ALARM INDICATOR STATIONS: COMBINATION HORN/VISUAL; VISUAL STATION
	MULTIMEDIA OUTLET, TWO COMMUNICATIONS/ONE TELEPHONE, U.O.N.
	WEATHERPROOF
	U.O.N.
	M.O.A.
	OWNER FURNISHED OWNER INSTALLED
	OWNER FURNISHED CONTRACTOR INSTALLED
	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
	CONTRACTOR FURNISHED OWNER INSTALLED
	FLEXIBLE CONDUIT
	CONCEALED CONDUIT (NOTE A BELOW)
	EXPOSED CONDUIT (NOTE A BELOW)
	BELOW GRADE CONDUIT (NOTE A BELOW)
	INDICATES HOME-RUN (NUMBER OF ARROWS = NUMBER OF CIRCUITS) (NOTE B BELOW)

NOTES:

GENERAL: ALL BRANCH CIRCUITS 2 #12, 1/2" C. TO 20 A, 3 P. CIRCUIT BREAKER U.O.N. #0-1-50 (4 #6, 3/4" C. TO 40/3) INDICATES CIRCUIT NUMBER 50 IN PANEL "A" FEEDS TO EQUIPMENT FROM A 40 A, 3 P. CIRCUIT BREAKER WITH 4 #6 AWG WIRES RUN IN 3/4" DIA. CONDUIT.

- NO. OF WIRES (IF OTHER THAN 2) INDICATED BY NO. OF SLASHES (/) = TWO "HOT" WIRES AND ONE NEUTRAL WIRE.
- HOME-RUN DESIGNATION: "A" = PANELBOARD NOTATION, "-2,4" = CIRCUIT NUMBERS.
- INSTALL INSULATED GROUNDING CONDUCTOR IN ALL FEEDER AND BRANCH CIRCUIT CONDUITS.

LIGHTING FIXTURE SCHEDULE

(NOTES 1 & 2)

KEY	NO.	LAMPS	DESCRIPTION	MOUNTING HEIGHT	BASIS OF DESIGN
A3	3	F3218/SP41/ECO	2X4 MODULAR COMMERCIAL FIXTURE W/ RECESSED ALUMINUM DOORS AND SPRING LATCHES, 277V.	SURFACE CEILING	LITHONIA 2M332-RW-A12125-277-SL
B2	2	F3218/SP41/ECO	2X4 LOW-PROFILE WIDE BODY WRAPAROUND W/ ACRYLIC PRISMATIC DIFFUSER, WHITE ENAMEL FINISH, 277V.	SURFACE CEILING	LITHONIA 2LB-2-32-277
B3	3	F3218/SP41/ECO	SAME AS B2 BUT W/ 3 LAMPS	SURFACE CEILING	LITHONIA LB-3-32-277
C3	3	F3218/SP41/ECO	1X4 HEAVY-DUTY TURRET INDUSTRIAL WITH 10X UPLIGHT AND DIE-EMBOSSED CEILING REFLECTOR, AND 2-1/2" CEILING SPACER, 277V.	SURFACE CEILING	LITHONIA AF10-3-32-277
C4	4	F3218/SP41/ECO	SAME AS C3 BUT W/ 4 LAMPS	SURFACE CEILING	LITHONIA LB-4-32-277
D1	1	LU70	ARCHITECTURAL BLDG MOUNTED WALL PACK WITH 70W HPS LAMP & VANDAL GUARD, WIDE THROW, 277V.	SURFACE WALL UP 4'-6" AFF, CENTERED BETWEEN DOOR AND CANOPY	LITHONIA WSRV-70S-WT-277
EM			EMERGENCY BALLAST, 2-LAMP SELF-TESTING	INSTALL IN FIXTURES AS INDICATED	BOORNE B50ST
EX	(FURNISHED W/ FIXTURE)		LIGHT EMITTING DIODE EXIT SIGN, WHITE HOUSING & WHITE STENCIL FACE W/ GREEN LETTERS, SINGLE FACE, W/ BATTERY BACKUP AND SELF-DIAGNOSTICS, 277V.	SURFACE CEILING	LITHONIA LE-S-W-1-G-120/277-EL-N-SD
EX2	(FURNISHED W/ FIXTURE)		LIGHT EMITTING DIODE EXIT SIGN, WHITE HOUSING & WHITE STENCIL FACE W/ GREEN LETTERS, DOUBLE FACE, W/ BATTERY BACKUP AND SELF-DIAGNOSTICS, 277V.	SURFACE CEILING	LITHONIA LE-S-W-2-G-120/277-EL-N-SD
F1	1	LU250	ARCHITECTURAL BLDG MOUNTED WALL PACK WITH 250W HPS LAMP & VANDAL GUARD, FWD THROW, 277V.	SURFACE WALL +15' AFF	LITHONIA WSRV-250S-FW-277
G1	1	LU400	POLE MOUNTED AREA LIGHTING FIXTURE 400W HPS LAMP & TYPE IV DISTRIBUTION, 277V. SEE 3/E1 FOR ADDITIONAL DETAILS ON POLE.	POLE MOUNTED +30' AFF	KMI LIGHTING 1A/AR4/400HP277/LG-P/H/S
H2	2	F3218/SP41/ECO	ENCLOSED FIBERGLASS HOUSING MET LOCATION FLUORESCENT LIGHTING, ACRYLIC DIFFUSER W/ COLD WEATHER RATED BALLAST, 277V.	SURFACE CEILING	LITHONIA DMW-2-32-277

NOTES:

- VERIFY CEILING TYPES THROUGHOUT. PROVIDE ALL MOUNTING ACCESSORIES, TRIM FLANGES, OUTLET BOXES, ETC. FOR COMPLETE INSTALLATION.
- PROVIDE ALL FIXTURES WITH LABEL SUITABLE FOR APPLICATION PER N.E.C.

MOUNTING HEIGHT SCHEDULE

PANELBOARDS (TOP)	70"
CONTRACTORS (TOP)	66"
MOTOR STARTERS (TOP)	66"
DISCONNECT SWITCHES (TOP)	66"
RECEPTACLES IN OFFICE AREAS	18"
RECEPTACLES IN GENERAL AREAS/STORAGE	24"
RECEPTACLES IN MAINTENANCE BAY/PASSENGER SERVICE BAY	48"
ABOVE COUNTER DEVICES	SEE NOTES
WALL MOUNTED SWITCHES	48"
COMMUNICATION OUTLETS	18"
HORN/STROBES/HORN STROBES	80" TO BOTTOM
PULL STATIONS	48"

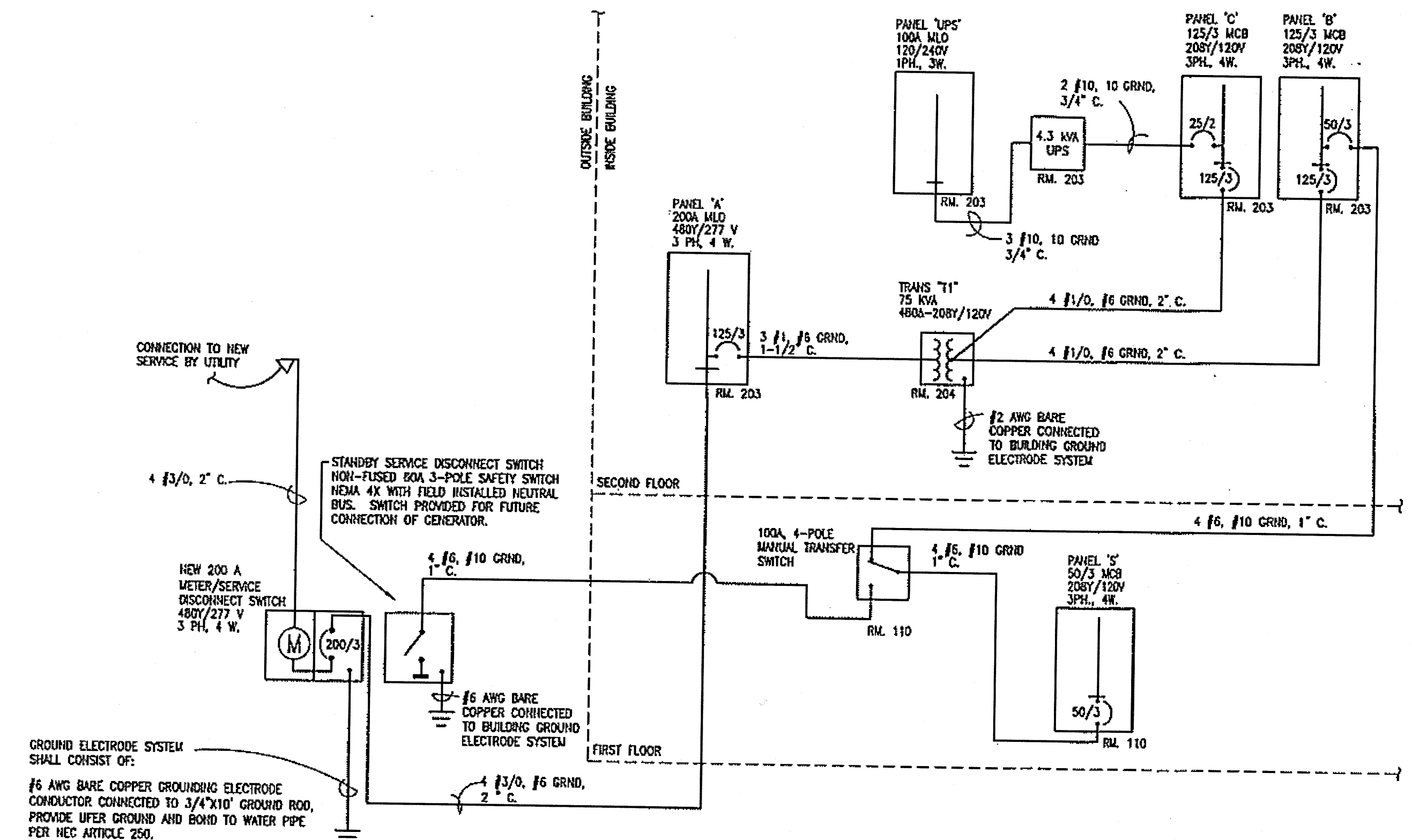
NOTES:

COORDINATE AND INSTALL ALL EQUIPMENT AND DEVICES WITH THE ARCHITECTURAL PLANS AND ANY SPECIFICALLY DERIVED REQUIREMENTS.

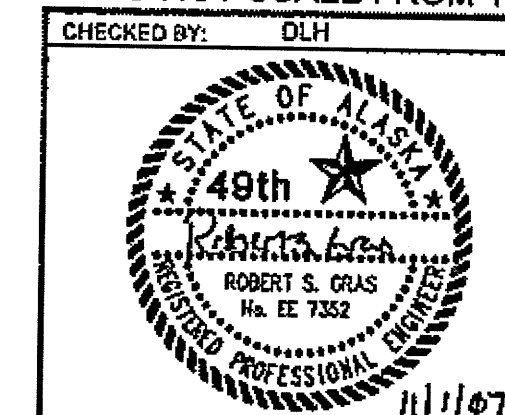
MOUNTED HEIGHTS SHALL PREVAIL UNLESS OTHERWISE NOTED OR FIELD CONDITIONS REQUIRE DEVIATION.

MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE UNLESS OTHERWISE NOTED.

COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS DENOTED AS ABOVE COUNTER TO BE INSTALLED 6" ABOVE COUNTERS OR BACKSPASHES, WHICHEVER IS HIGHER.



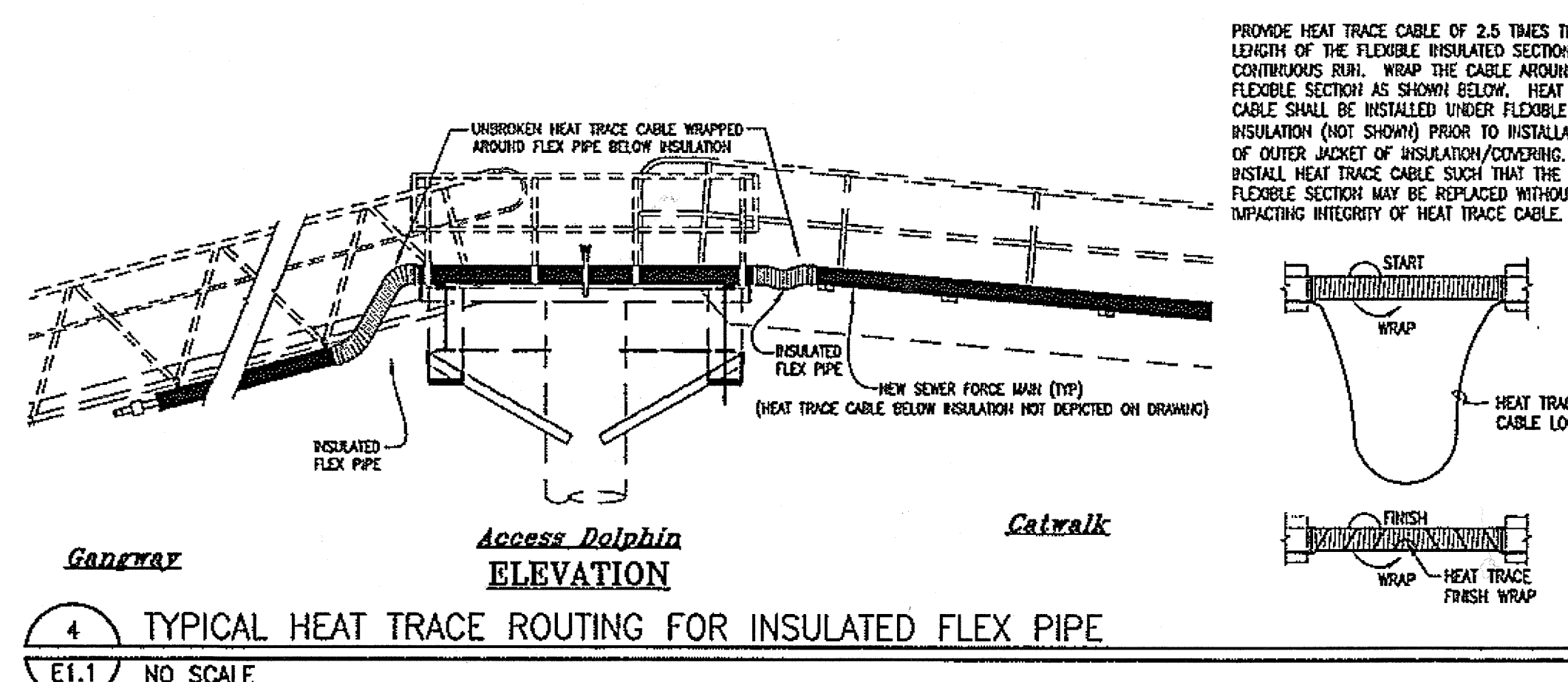
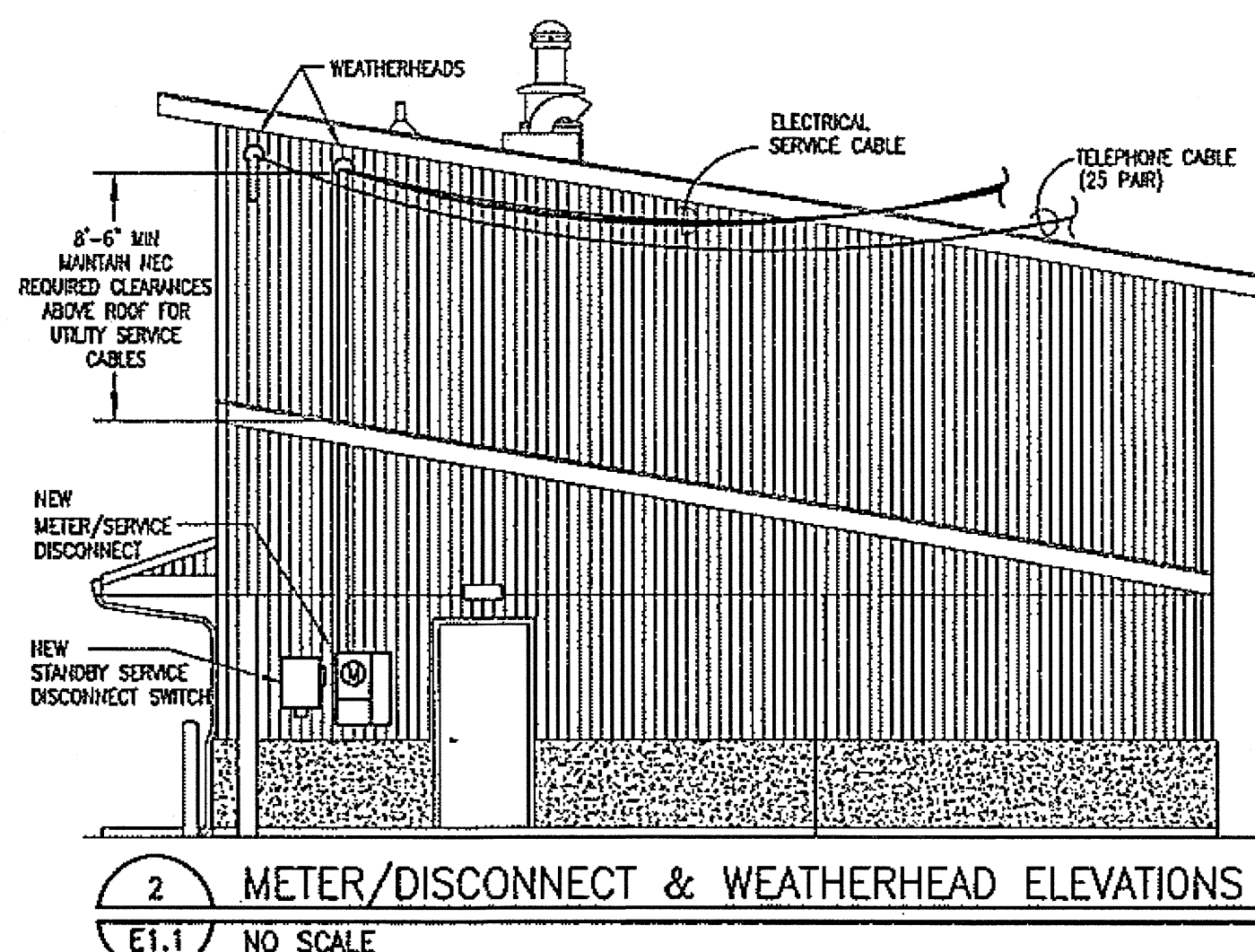
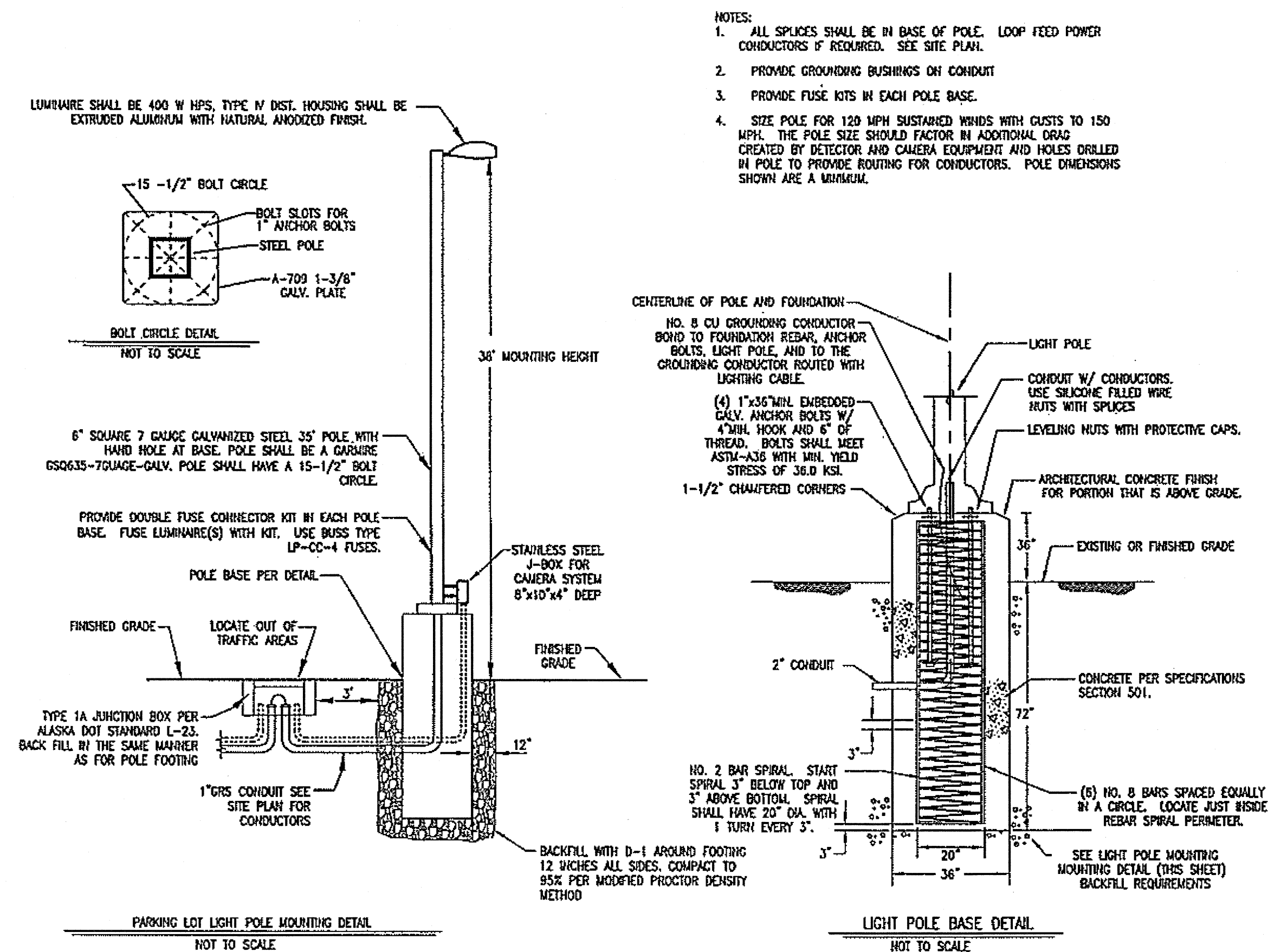
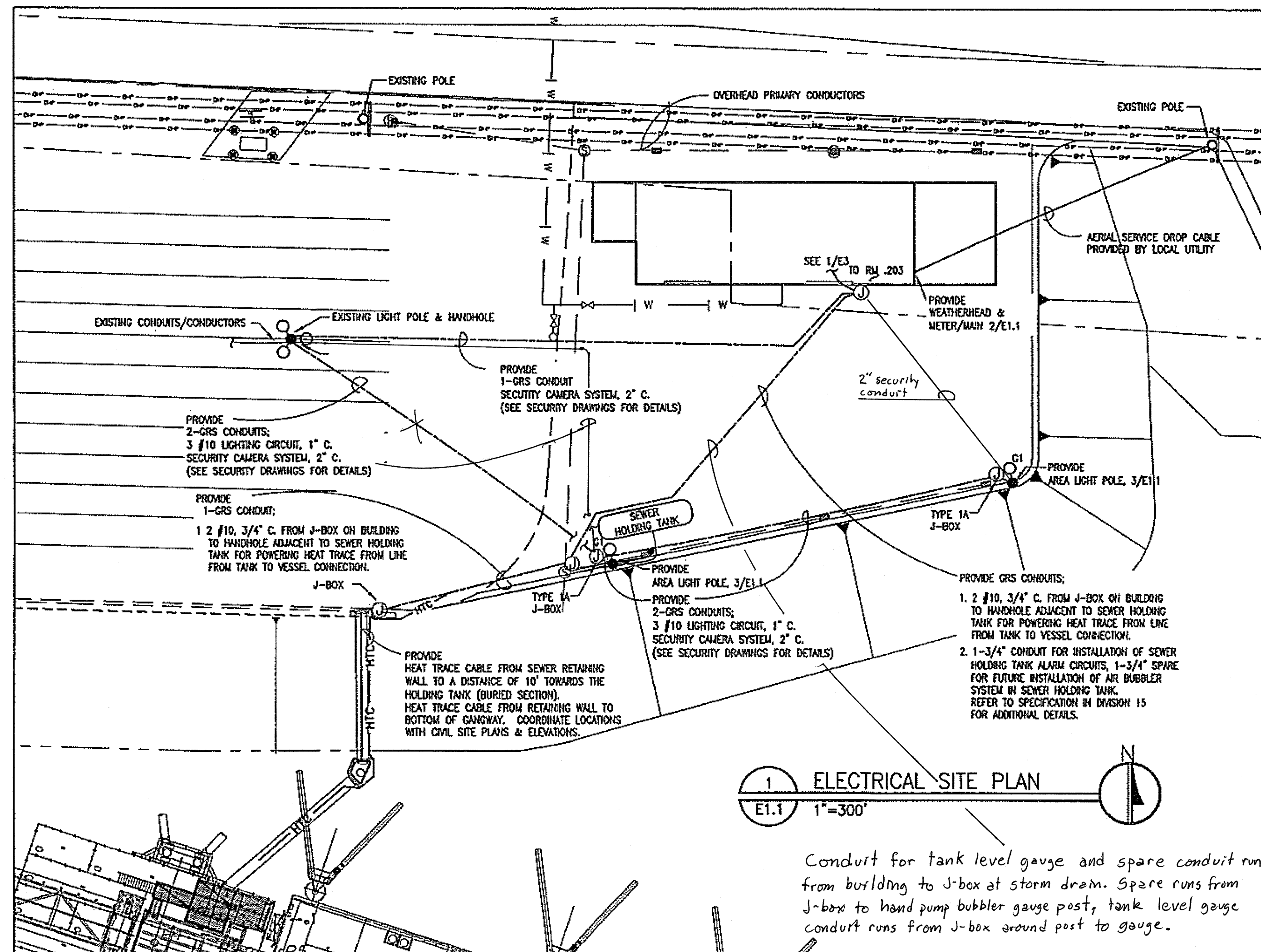
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DATE: Thursday, November 1, 2007

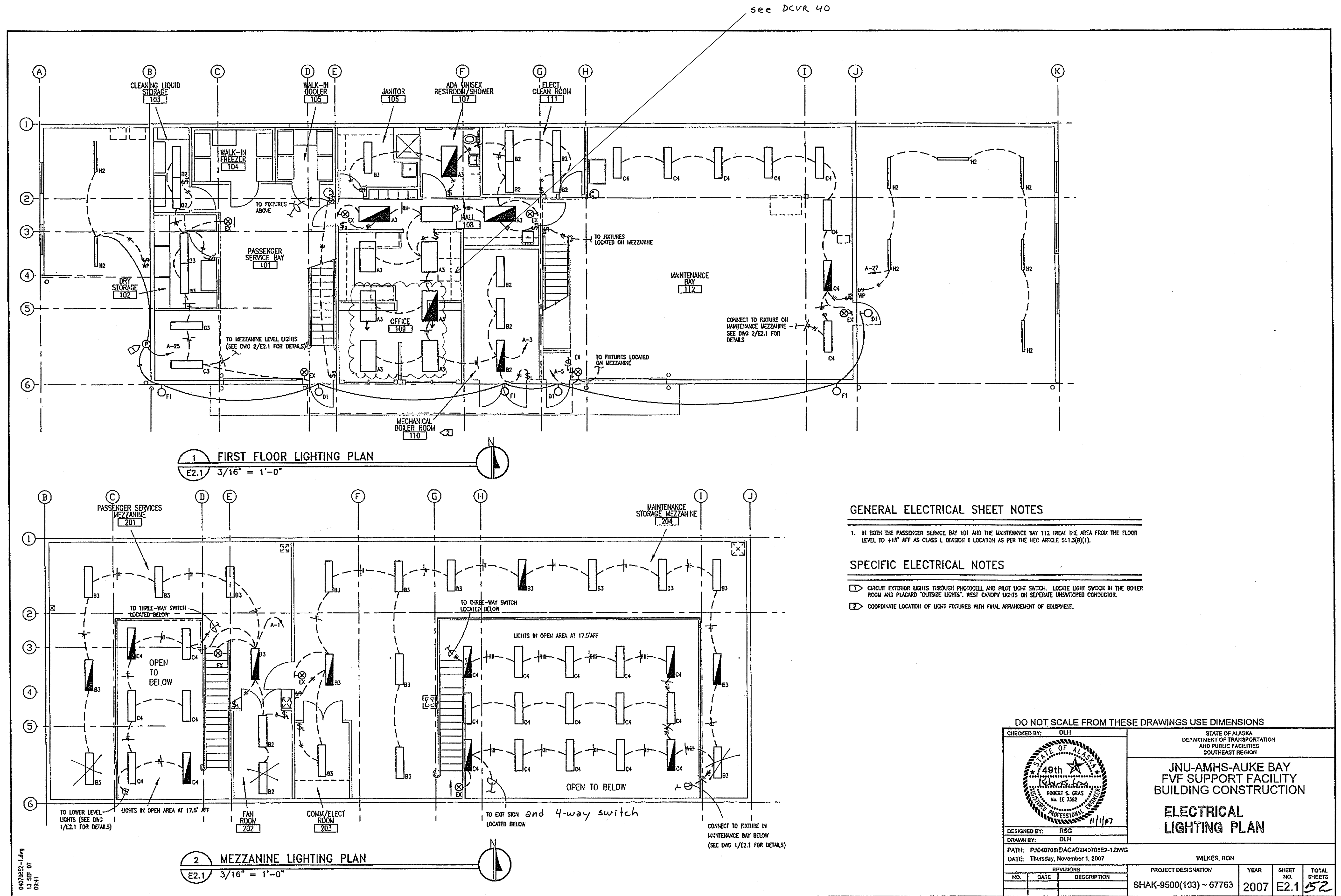
REVISIONS
NO. DATE DESCRIPTION

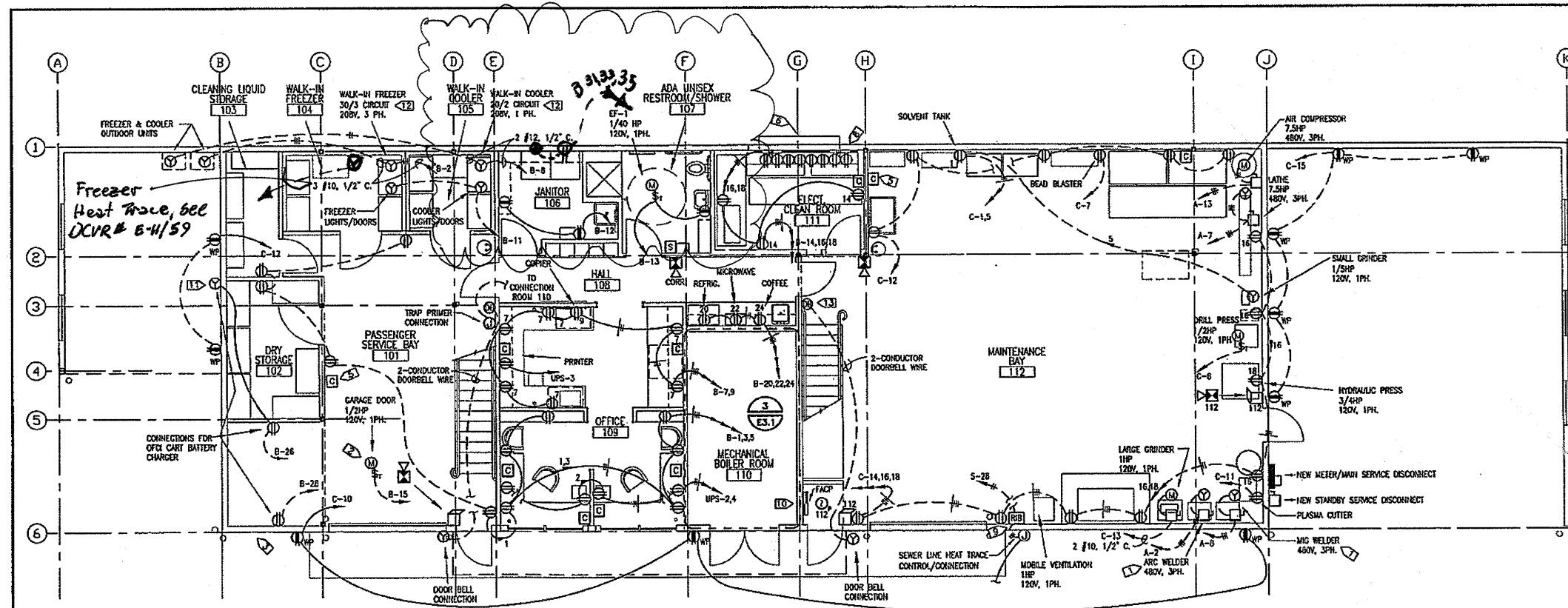
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION	
ELECTRICAL LEGEND, SCHEDULE AND RISER	
PROJECT DESIGNATION SHAK-9500(103) - 67763	YEAR 2007
SHEET NO. E0.1	TOTAL SHEETS 52



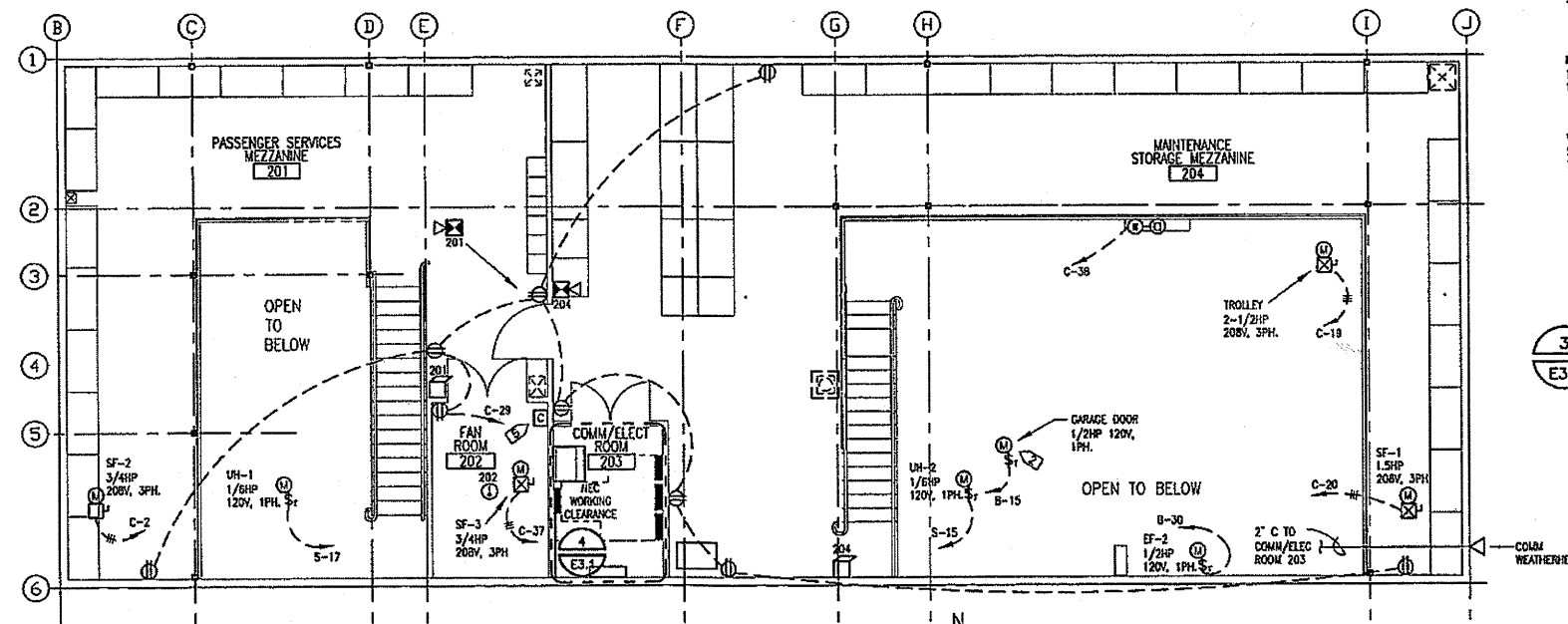
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DESIGNED BY: RSG	JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION
DRAWN BY: DLH	ELECTRICAL SITE PLAN AND DETAILS
DATE: Thursday, November 1, 2007	WILKES, RON
PROJECT DESIGNATION SHAK-9500(103) - 67763	YEAR 2007
SHEET NO. E1.1	TOTAL SHEETS 52

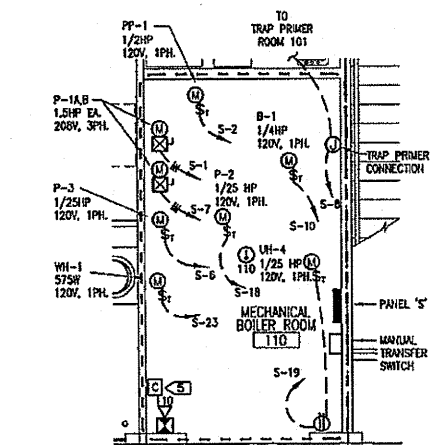




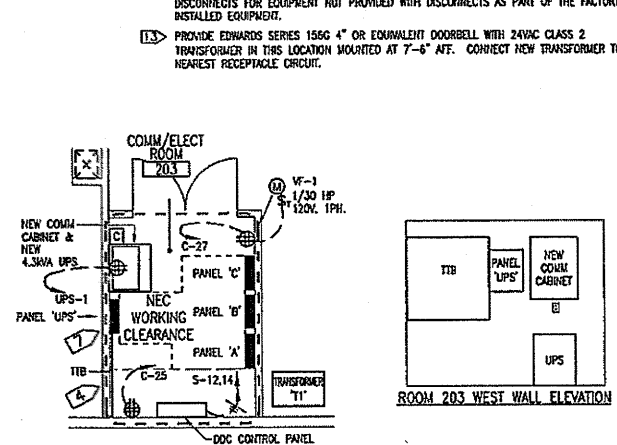
1 FIRST FLOOR POWER AND SIGNAL PLAN
 E3.1 3/16" = 1'-0"



2 MEZZANINE POWER AND SIGNAL PLAN
 E3.1 3/16" = 1'-0"



3 ROOM 110 POWER & SIGNAL PLAN
 E3.1 1/4" = 1'-0"



4 ROOM 203 POWER & SIGNAL PLAN & ELEVATIONS
 E3.1 1/4" = 1'-0"

GENERAL ELECTRICAL SHEET NOTES

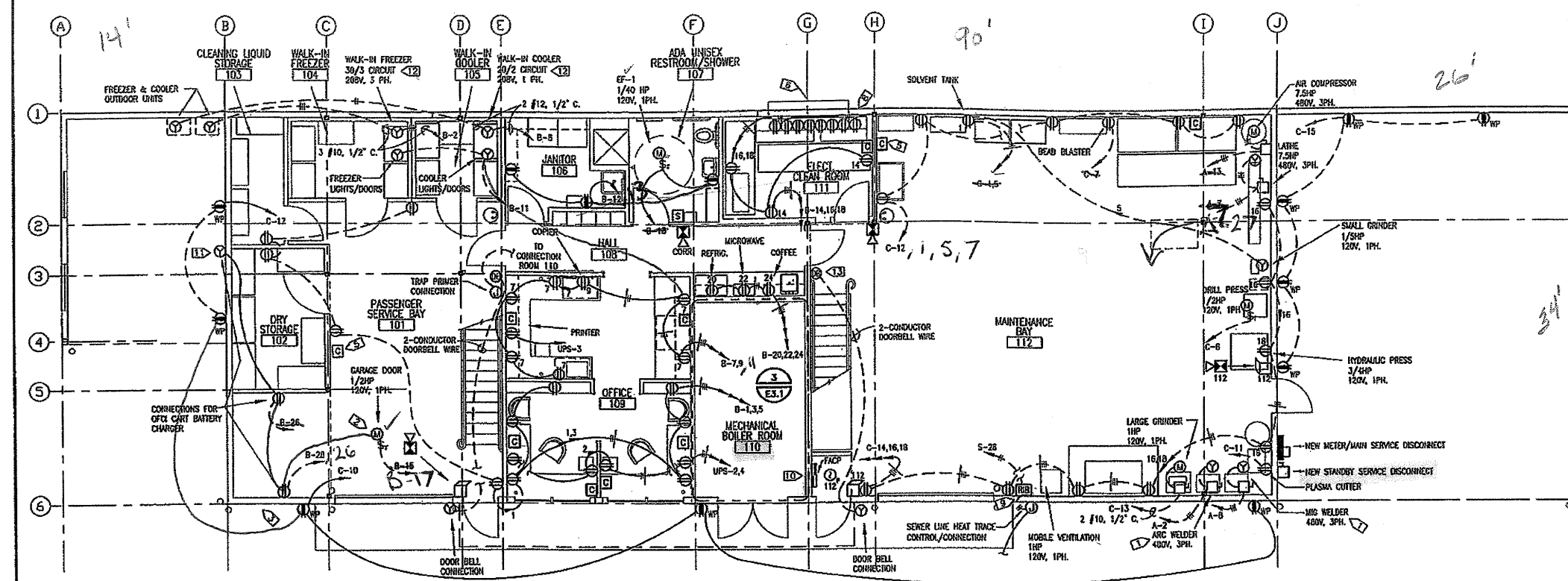
- IN BOTH THE PASSENGER SERVICE BAY 101 AND THE MAINTENANCE BAY 112, MOUNT ALL RECEPTACLES 4' AFF. TREAT THE AREA FROM THE FLOOR LEVEL TO +10" AFF AS CLASS 1, DIVISION 1 LOCATION AS PER THE NEC ARTICLE 511.3(B)(1).
- ALL UPS OUTLETS TO BE LOCATED AT 42" AFF. PLACED THE FACEPLATE OF THE OUTLET, "UPS POWER".

SPECIFIC ELECTRICAL NOTES

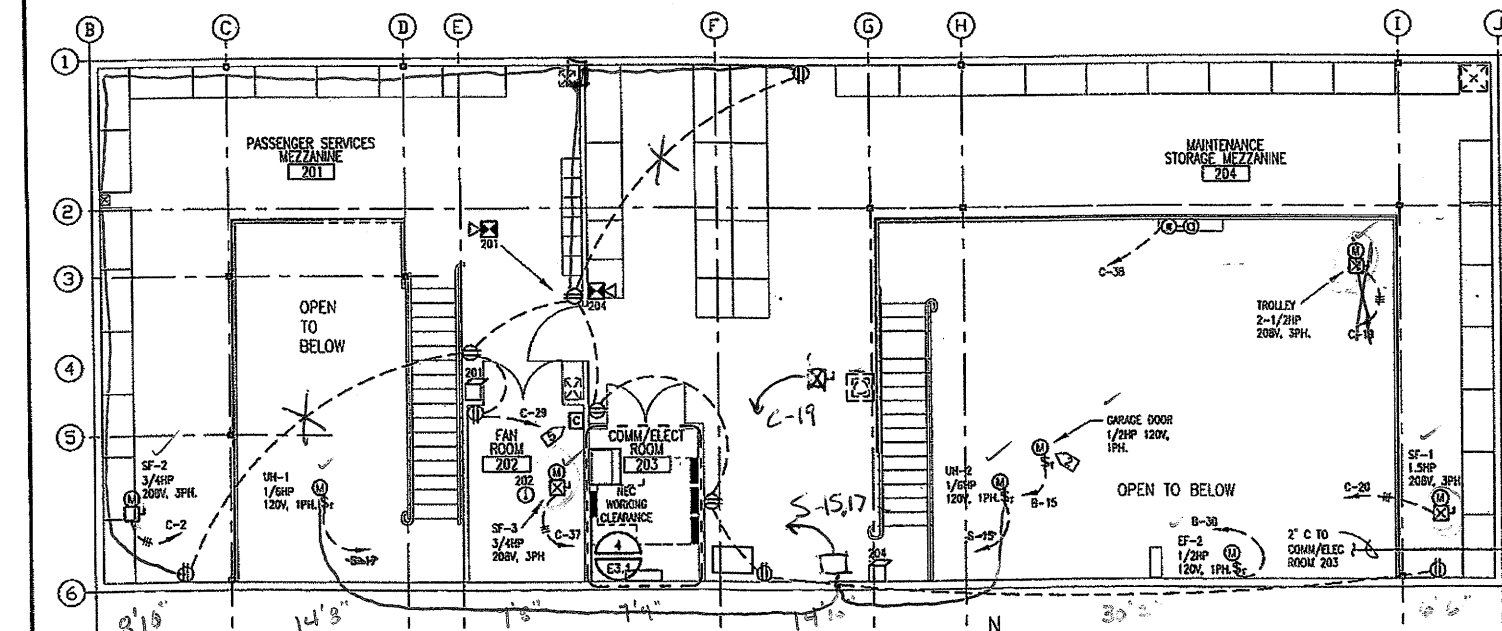
- PROVIDE 3 #6, 1 #10 G. IN 1" C. FOR WELDERS.
- PROVIDE CONNECTION FROM MOTOR TO PUSHBUTTON SWITCH LOCATED NEXT TO ADJACENT HATCHDOOR FOR GARAGE DOOR CONTROLS.
- PROVIDE 6'-0" LONG, 1-3/8" O.D. PIPE MOUNTED ON UNISTRUT FRAMING ON SIDE OF BUILDING ABOVE GARAGE. WELD PIPE WITH 2" SPICE TAPE IN AREA OF CLAMPS. PROVIDE 1" PVC STUBBED THROUGH WALL AND CAP BOTH SIDES FOR FUTURE USE.
- TIB MAY BE RELOCATED TO ALTERNATE LOCATION WITH OWNER APPROVAL.
- PROVIDE COMMUNICATIONS OUTLET WITH ONE COMPUTER/ONE TELEPHONE JACK.
- MOUNT RECEPTACLES IN WIREMOLD ABOVE ELECTRICAL WORKBENCH +42" AFF. ALTERNATE CIRCUITS FOR RECEPTACLES IN WIREMOLD.
- FEED 4.3KVA UPS FROM 30/2 CIRCUIT BREAKER FROM PANEL C-10, 12 WITH 2 #10, #10 GND IN 3/4" C. UPS TO BE POWERWARE FERROUS FE SERIES FE4.3 KVA OR EQUAL.
- PROVIDE THE FOLLOWING ABOVE WIREMOLD LOCATED AT 42" AFF.
 ONE 120VAC, 1PH, 1HP RECEPTACLE TO 30/2 CB IN PANEL C-34. NEMA 5-30R.
 ONE 208VAC, 1PH, 2HP RECEPTACLE TO 30/2 CB IN PANEL C-31. NEMA 14-30R.
 ONE 208VAC, 3PH, 3HP RECEPTACLE TO 30/3 CB IN PANEL C-28. NEMA 14-30R.
 ONE 480VAC, 3PH, 10HP RECEPTACLE TO 30/3 CB IN PANEL A-19. NEMA L-22-30R.
 COORDINATE WITH OWNER PRIOR TO PURCHASING RECEPTACLES LISTED ABOVE TO CONFIRM ALL THE ABOVE RECEPTACLES TO BE LOCALLY SWITCHED, SUPPLY OUTLETS AND PLACED ACCORDINGLY RECEPTACLES MUST MEET OSHA LOCKOUT/TAGOUT REQUIREMENTS. MOUNT RECEPTACLES IN ENCLOSURE TYPE GRABBER STOCK#6655.
- PROVIDE RELAY FOR CONTROL OF HEAT TRACE CABLES FROM BUILDING TO SEWER TANK AND FROM BUILDING TO VESSEL CONNECTION. CONTROL RELAY VIA DDC USING AMBIENT OUTSIDE TEMPERATURE TO SWITCH THE HEAT TRACE CABLE. RELAY TO BE CONFIGURED AS A DPST RELAY WITH INTEGRAL PILOT LIGHT AND HOA SWITCH. REFER TO DRY. 15.
- COORDINATE FINAL LOCATION OF FIRE PANEL WITH MECHANICAL SEWER HOLDING TANK ALARM INDICATOR IN THIS AREA.
- COORDINATE WITH OWNER FOR TYPE OF RECEPTACLE CONNECTION REQUIRED IN THIS LOCATION.
- COORDINATE WITH MANUFACTURER'S SHOP DRAWING FOR APPROPRIATE CONNECTIONS TO POWER. DESIGN CURRENTLY CALLS FOR 3-PHASE 208V FOR THE FREEZER UNIT AND 1-PHASE 208V FOR THE COOLER UNIT. DATA WAS OBTAINED FROM SHOP DRAWINGS FOR UNITS INSTALLED AT CORCOVA, BUT MAY DIFFER IN THIS INSTALLATION. PROVIDE NEC REQUIRED MAINTENANCE DISCONNECTS FOR EQUIPMENT NOT PROVIDED WITH DISCONNECTS AS PART OF THE FACTORY INSTALLED EQUIPMENT.
- PROVIDE EDWARDS SERIES 156G 4" OR EQUIVALENT DOORBELL WITH 24VAC CLASS 2 TRANSFORMER IN THIS LOCATION MOUNTED AT 7'-6" AFF. CONNECT NEW TRANSFORMER TO NEAREST RECEPTACLE CIRCUIT.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

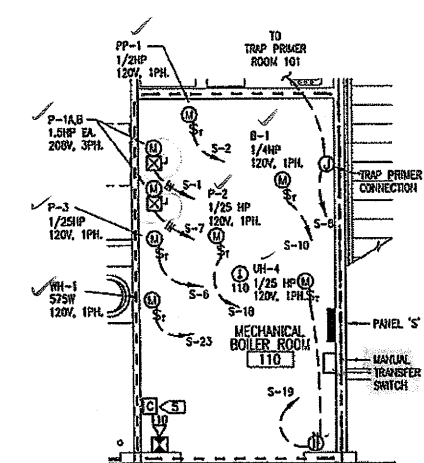
CHECKED BY: DLH  DESIGNED BY: RSG DRAWN BY: DLH PATH: P:\040708\ACAD\040708E3-1.DWG DATE: Thursday, November 1, 2007		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION ELECTRICAL POWER AND SIGNAL PLANS	
PROJECT DESIGNATION SHAK-9500(103) ~ 67763		YEAR 2007	SHEET NO. E3.1
TOTAL SHEETS 52			



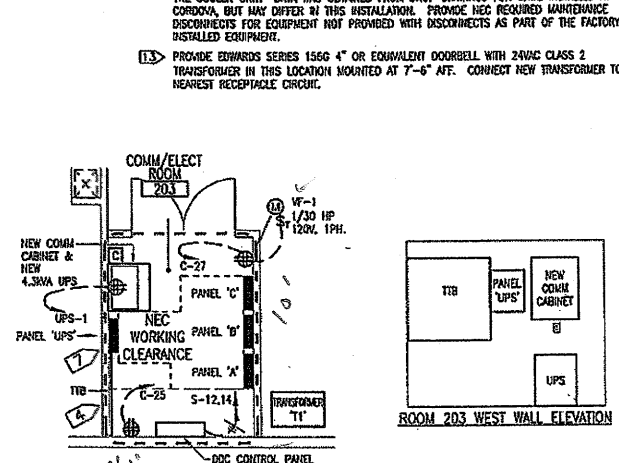
1 FIRST FLOOR POWER AND SIGNAL PLAN
 E3.1 3/16" = 1'-0"



2 MEZZANINE POWER AND SIGNAL PLAN
 E3.1 3/16" = 1'-0"



3 ROOM 110 POWER & SIGNAL PLAN
 E3.1 1/4" = 1'-0"



4 ROOM 203 POWER & SIGNAL PLAN & ELEVATIONS
 E3.1 1/4" = 1'-0"

GENERAL ELECTRICAL SHEET NOTES

1. IN BOTH THE PASSENGER SERVICE BAY 101 AND THE MAINTENANCE BAY 112, MOUNT ALL RECEPTACLES +48" AFF. TREAT THE AREA FROM THE FLOOR LEVEL TO +18" AFF AS CLASS 1, DIVISION 1 LOCATION AS PER THE NEC ARTICLE 511.3(B)(1).
2. ALL UPS OUTLETS TO BE LOCATED AT 42" AFF. PLACARD THE FACEPLATE OF THE OUTLET, "UPS POWER".

SPECIFIC ELECTRICAL NOTES

1. PROVIDE 3 #6, 1 #10 C. IN 1" C. FOR WELDERS.
2. PROVIDE CONNECTION FROM MOTOR TO PUSHBUTTON SWITCH LOCATED NEXT TO ADJACENT HANDDOOR FOR GARAGE DOOR CONTROLS.
3. PROVIDE 6"-Ø" LONG, 1-3/8"Ø" PIPE MOUNTED ON UNSTRUCTURED FRAMING ON SIDE OF BUILDING ABOVE CABLE. WARP PIPE WITH 2" SPLICE TAPE IN AREA OF CLAMPS. PROVIDE 1" PVC STUBBED THROUGH WALL AND CAP BOTH SIDES FOR FUTURE USE.
4. TTB MAY BE RELOCATED TO ALTERNATE LOCATION WITH OWNER APPROVAL.
5. PROVIDE COMMUNICATIONS OUTLET WITH ONE COMPUTER/ONE TELEPHONE JACK.
6. MOUNT RECEPTACLES IN WAREHOUSE ABOVE ELECTRICAL WORKBENCH +42" AFF. ALTERNATE CIRCUITS FOR RECEPTACLES IN WAREHOUSE.
7. FEED 4.3KVA UPS FROM 30/2 CIRCUIT BREAKER FROM PANEL C-40,42 WITH 2 #10, #10 GND BY 3/4" C. UPS TO BE POWERWARE PERGRUPS FE SERIES P64.3 KVA OR EQUAL.
8. PROVIDE THE FOLLOWING ABOVE WAREHOUSE LOCATED AT 42" AFF:
 ONE 120VAC, 1HP RECEPTACLE TO 30/1 CB IN PANEL C-34. NEMA 5-30R.
 ONE 208VAC, 1HP RECEPTACLE TO 30/2 CB IN PANEL C-31. NEMA 14-30R.
 ONE 208VAC, 3PH, 1HP RECEPTACLE TO 30/3 CB IN PANEL C-20. NEMA 18-30R.
 ONE 480VAC, 3PH, 1HP RECEPTACLE TO 30/3 CB IN PANEL A-19. NEMA L-22-30R.
 COORDINATE WITH OWNER PRIOR TO PURCHASING RECEPTACLES LISTED ABOVE TO CONFIRM ALL THE ABOVE RECEPTACLES TO BE LOCALLY SWITCHED, SIMPLEX OUTLETS AND PLACARDED APPROPRIATELY RECEPTACLES MUST MEET OSHA LOCKOUT/TAGOUT REQUIREMENTS. MOUNT RECEPTACLES IN ENCLOSURE TYPE GRABBER STOCK#8665.
9. PROVIDE RELAY FOR CONTROL OF HEAT TRACE CABLES FROM BUILDING TO SEWER TANK AND FROM BUILDING TO VESSEL CONNECTION. CONTROL RELAY VIA DDC USING WIREMOUNT OUTSIDE TEMPERATURE TO SWITCH THE HEAT TRACE CABLE. RELAY TO BE CONFIGURED AS A DPST RELAY WITH INTEGRAL PILOT LIGHT AND HDA SWITCH. REFER TO DRY 15.
10. COORDINATE FINAL LOCATION OF FIRE PANEL WITH MECHANICAL SEWER HOLDING TANK ALARM INDICATOR IN THIS AREA.
11. COORDINATE WITH OWNER FOR TYPE OF RECEPTACLE CONNECTION REQUIRED IN THIS LOCATION.
12. COORDINATE WITH MANUFACTURER'S SHOP DRAWING FOR APPROPRIATE CONNECTIONS TO POWER. DESIGN CURRENTLY CALLS FOR 3-PHASE 208V FOR THE FREEZER UNIT AND 1-PHASE 208V FOR THE COOLER UNIT. DATA WAS OBTAINED FROM SHOP DRAWINGS FOR UNITS INSTALLED AT CORRODON, BUT MAY DIFFER IN THIS INSTALLATION. PROVIDE NEC REQUIRED MAINTENANCE DISCONNECTS FOR EQUIPMENT NOT PROVIDED WITH DISCONNECTS AS PART OF THE FACTORY INSTALLED EQUIPMENT.
13. PROVIDE EDWARDS SERIES 1566 4" OR EQUIVALENT DOORBELL WITH 24VAC CLASS 2 TRANSFORMER IN THIS LOCATION MOUNTED AT 7'-6" AFF. CONNECT NEW TRANSFORMER TO NEAREST RECEPTACLE CIRCUIT.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: DLH 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION			
ELECTRICAL POWER AND SIGNAL PLANS			
DESIGNED BY: RSC DRAWN BY: DLH		VILKES, RON	
PATH: P:\040708\9500\ACAD\040708BES-1.DWG DATE: Thursday, November 1, 2007			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION SHAK-9500(103) ~ 67763	YEAR 2007
		SHEET NO. E3.1	TOTAL SHEETS 52



- ### SPECIFIC ELECTRICAL NOTES

- 1 FIRST FLOOR POWER AND SIGNAL PLAN

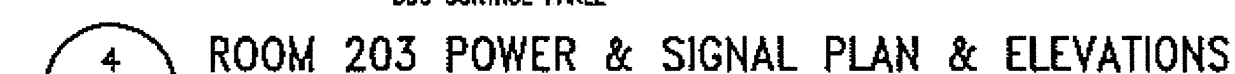
E3.1 $3/16'' = 1'-0''$



E3.1 $3/16'' = 1'-0''$



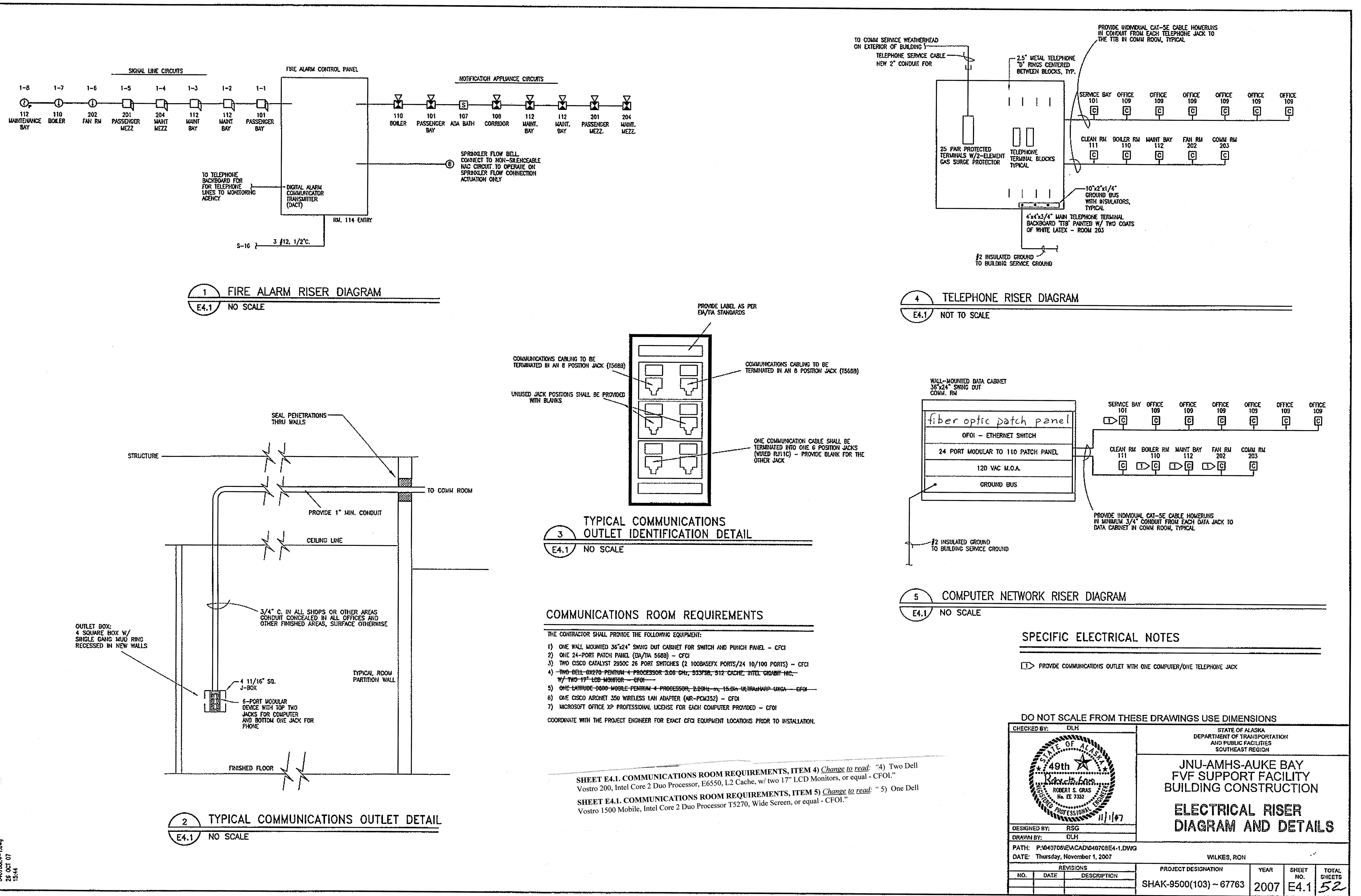
$$\text{E3.1} \quad 1/4'' = 1'-0''$$



$$\text{E3.1} \quad 1/4^n = 1^2 - 0^n$$

CHECKED BY: OJH  11/1/97 DESIGNED BY: RSG DRAWN BY: DJH	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION ELECTRICAL POWER AND SIGNAL PLANS
PATH: P:\040708\EVACAD\040708E3-1.DWG DATE: Thursday, November 1, 2007	

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	SHAK-9500(103) ~ 67763	2007	E3.1	52



PANEL 'A' SCHEDULE													
CKT NO.	P	TRIP	LOAD SERVED	LOAD TYPE	LOAD (VA)	A	B	C	LOAD TYPE	LOAD (VA)	TRIP	P	
1	20		ITS-STORAGE/PASSENGER BAY	L	1,850	5,970			5,050	C	50	3	
3	20		ITS-MAIN/ BAY/REZZ. COMM.	L	1,490		9,050		5,050	C	50	3	
5	20		ITS-JANITOR SHOWER/BOILER OFFICE	L	1,490			5,510	5,050	C	50	3	
7	40		LAIRE (1 1/2 HP)	M	2,921	7,941			5,050	C	50	3	
9				M	2,921		7,941		5,050	C	50	3	
11				M	2,921			7,941	5,050	C	50	3	
13	40		JAR COMPRESSOR (1 1/2 HP)	M	2,921	26,795			23,874	F	125	3	
15				M	2,921		27,735		24,814	F	125	3	
17				M	2,921			26,707	23,786	F	125	3	
19	30		TEST BENCH RECEPTACLE	M	3,718	3,718			0	S	SPARE	20	
21				M	3,718		3,718		0	S	SPARE	20	
23				M	3,718			3,718	0	S	SPARE	20	
25	20		BLDG & E-CANOPY LIGHTING	L	980	980			0	S		20	
27	20		WEST CANOPY LIGHTS	L	324	324			0	S		20	
29			PREPARED SPACE	S	0	0		0	0	S	PREPARED SPACE		
31				S	0	0		0	0	S			
33				S	0	0		0	0	S			
35				S	0	0		0	0	S			
37				S	0	0		0	0	S			
39				S	0	0		0	0	S			
41				S	0	0		0	0	S			
TOTALS						44,404	48,778	44,876	VOLTS 480		NOTES		
CONNECTED:						140,058 VA	359.1 A						
N.E.C. FEEDER CALCULATIONS:					(VA)	(A)	(LOAD TYPE)						
LIGHTING					10,950 VA	52.2 A	C	= LIGHTING (LOAD X 125%)					
MOTORS					30,871 VA	147.1 A	C	= GENERAL POWER					
RECEPTACLES					20,060 VA	92.4 A	M	= MOTORS (TOTAL + 125% OF LARGEST MOTOR)					
KITCHEN E.O.					0 VA	0 A	A	= APPLIANCE (NEC 220.56 IF APPLICABLE)					
MISC. LOAD					72,471 VA	347.2 A	F	= MISC. LOAD & SUB FEEDS					
TOTAL DEMAND LOAD					134,385 VA	161.6 A	S	= SPARE OR SPACE					
MOUNTING					SPECIAL REQUIREMENTS:								
SURFACE					10,000 A.I.C.								

PANEL 'B' SCHEDULE															
CKT NO.	P	TRIP	LOAD SERVED	LOAD TYPE	LOAD (VA)	A	B	C	LOAD TYPE	LOAD SERVED	TRIP P	CH			
1	20		REC-STORAGE/PASS. SERVICE BAY	L	500	2,026			1,128	A	WALK-IN FREEZER	30 3			
3	1	20	REC-OFFICE	L	540		2,416		1,128	A		4			
5	1	20	REC-OFFICE	L	540			2,415	1,128	A		4			
7	1	20	REC-OUTER OFFICE	L	1,080	2,205			1,128	A	WALK-IN COOLER	20 2			
9	1	20	REC-COOLER	L	1,080		2,395		1,128	A		10			
11	20		LIS-COOLER/FREEZER	L	1,000			1,350	350	C	REC-LAB/WHOR CLOSET	20 12			
13	20		REC-ADA BATH/ET-1 (1/240 HP)	M	1,500	1,850			350	C	REC-ELECTRICAL CLEAN ROOM	20 14			
15	20		WEST GARAGE DOOR	M	1,127		1,847		720	C	REC-ELECTRICAL CLEAN ROOM	20 16			
17	20		WEST GARAGE DOOR	M	1,127			1,847	720	C	REC-ELECTRICAL CLEAN ROOM	20 18			
19	20		SPARE	S	0	1,500			1,500	A	REFRIGERATOR	20 20			
21	20			S	0		1,500		1,500	A	MICROWAVE	20 22			
23	20			S	0			1,000	1,000	A	COFFEE MAKER	20 24			
25	20			S	0	180			180	C	CART BATTERY CHARGER	20 26			
27	20			S	0		100		180	C	CART BATTERY CHARGER	20 28			
29	20			S	0			1,175	1,175	M	ET-2 (1/2 HP)	20 30			
31	---		PREPARED SPACE	S	0	0			0	S	SPARE	20 32			
33	---			S	0		0		0	S		20 34			
35	---			S	0		0		0	S		20 36			
37	3	50	PANEL 'S'	F	3,611	3,611			0	S		20 38			
39	---			S	0		4,133		0	S	PREPARED SPACE	---			
41	---			S	0				0	S		40			
MAIN: 125 AMPS MCB						TOTAL	11,384	12,401	11,732	NOTES					
TYPE: 208Y/120 V 3 PH 4 W						CORRECTED:	35,521	VA	88.7 A						
N.E.C. FEEDER CALCULATIONS:						(VA)	(A)	LOAD TYPE							
LIGHTING						2,375 VA	6.8 A		= LIGHTS (LOAD X 125%)						
MOTORS						3,430 VA	9.5 A		= GENERAL POWER						
RECEPTACLES						7,380 VA	20.5 A		= MOTORS (TOTAL + 125% OF LARGEST MOTOR)						
KITCHEN E.O.						10,017 VA	27.8 A		= APPLIANCE (NEC 220.56 IF APPLICABLE)						
MISC. LOAD						11,681 VA	32.4 A		= MISC. LOAD & SUB FEEDS						
TOTAL DEMAND LOAD						34,893 VA	90.8 A		= SPARE OR SPACE						
MOUNTING SURFACE						SPECIAL REQUIREMENTS:									
						10,000 A.I.C.									

PANEL 'C' SCHEDULE															
CKT NO.	P	TRIP	LOAD SERVED	LOAD TYPE	LOAD (VA)	A	B	C	LOAD (VA)	LOAD TYPE	LOAD SERVED	TRIP P	CKT NO.		
1	20		REC-SOLVENT TANK	L	500	920			420	M	ST-2 (3/4 HP)	15	3		
3	1	20	SPARE	S	0				420	M			2		
5	1	20	SMALL GRINDER (1/2 HP)	A	657			1,087	420	M			6		
7	1	20	REC-HEAD BLASTER	L	1,006	2,127			1,127	A	DRILL PRESS (1/2 HP)	20	1		
9	1	20	SPARE	S	0				540	C	REC-SOUTH OUTSIDE	20	1		
11	1	20	PLASMA CUTTER	A	1,500			2,400	900	C	REC-NORTH SHOP WALL	20	1		
13	1	20	LARGE GRINDER (1 HP)	A	1,920	2,840			720	C	REC-SOUTH WALL	20	1		
15	1	20	REC-EAST OUTSIDE	C	900		1,820		720	C	REC-EAST WALL	20	1		
17	1	20	REC-WEST OUTSIDE	C	900			1,947	1,587	A	HYDRAULIC PRESS (3/4 HP)	20	1		
19	3	25	TROLEY (2 1/2 HP)	M	1,086	1,879			793	M	ST-1 (1 1/2 HP)	20	3		
21	1	20		M	1,086		1,879		793	M		20	3		
23	1	20		M	1,086		1,879		793	M		20	3		
25	1	20	REC-W COMM RM	C	360	360			0	S	SPARE	20	1		
27	1	20	REC-E COMM RM, WF-1	C	500			1,772	1,272	C	TEST BENCH RECEPTACLE	30	3		
29	1	20	REC-MEZZANINE/FAN RM	C	1,440			2,712	1,272	C		30	3		
31	2	30	TEST BENCH RECEPTACLE	C	1,372	2,844		4,252	2,880	C	TEST BENCH RECEPTACLE	30	3		
33	1	20	SPARE	S	0			0	0	S		20	1		
35	3	15	ST-3 (3/4 HP)	M	420	1,920			1,500	C	REC-CORD REEL	20	1		
37	1	20		M	420				1,510	F	UPS 4.3 KVA	25	2		
41	1	---	PREPARED SPACE	S	0				2,025	F	UPS 4.3 KVA	---	1		
MAIN: 125 AMP MCB				TOTALS		12,490	12,413	12,050	VOLTS 208		NOTES				
TYPE: 208Y/120 V 3 PH 4 W				CONNECTED:		30,853 VA	102.6 A								
N.E.C. FEEDER CALCULATIONS:				(VA)		(A)		LOAD TYPE							
LIGHTING				8,157 VA		37.2 A		= LIGHTING (LOAD X 125%)							
MOTORS				16,440 VA		74.1 A		= GENERAL POWER							
RECEPTACLES				6,121 VA		27.9 A		= MOTORS (TOTAL + 125% OF LARGEST MOTOR)							
KITCHEN E.O.				1,115 VA		5.1 A		= APPLIANCE (NEC 220.56 IF APPLICABLE)							
MISC. LOAD				31,833 VA		148.4 A		= MISC. LOAD & SUB FEEDS							
TOTAL DEMAND LOAD				53,666 VA		244.8 A		= SPARE OR SPACE							
MOUNTING				SPECIAL REQUIREMENTS:											
SURFACE				10,000 A.I.C.											

PANEL 'S' SCHEDULE													
CKT NO.	P	TRIP	LOAD SERVED	LOAD TYPE	LOAD (VA)	A	B	C	LOAD (VA)	LOAD TYPE	LOAD SERVED	TRIP	P
1	3	15	P1-A (1 1/2 HP)	M	792	1,968			1,176	S	PP-1 (172 HP)	20	1
2	3	15	P1-A (1 1/2 HP)	M	792		782		1,176	S	SPARE	20	1
3	3	15	P1-A (1 1/2 HP)	M	792			942	150	M	P-3 (1725 HP)	15	1
4	3	15	P1-B (1 1/2 HP)	M	792	857			657	S	WUP FEEDER	15	1
5	3	15	P1-B (1 1/2 HP)	M	792		1,438		596	M	B-1 (174 HP)	20	1
6	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
7	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
8	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
9	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
10	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
11	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
12	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
13	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
14	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
15	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
16	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
17	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
18	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
19	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
20	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
21	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
22	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
23	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
24	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
25	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
26	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
27	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
28	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
29	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
30	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
31	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
32	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
33	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
34	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
35	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
36	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
37	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
38	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
39	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
40	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
41	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
42	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
43	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
44	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
45	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
46	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
47	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
48	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
49	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
50	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
51	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
52	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
53	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
54	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
55	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
56	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
57	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
58	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
59	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
60	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
61	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
62	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
63	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
64	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
65	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
66	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
67	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
68	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
69	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
70	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
71	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
72	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
73	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
74	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
75	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
76	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
77	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
78	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
79	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
80	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
81	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
82	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
83	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
84	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
85	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
86	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
87	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
88	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
89	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
90	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
91	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
92	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
93	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
94	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
95	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
96	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
97	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
98	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
99	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
100	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
101	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
102	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
103	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
104	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
105	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
106	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
107	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
108	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
109	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
110	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
111	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
112	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
113	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
114	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
115	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
116	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
117	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
118	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
119	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
120	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
121	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
122	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
123	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
124	3	15	P1-B (1 1/2 HP)	M	792				596	M	MECH CONTROL PANEL	20	1
125	3	15	P1-B (1 1/2 HP)	M	792								

PANEL 'A' SCHEDULE													
CKT NO.	P	TRIP	LOAD SERVED	LOAD TYPE	LOAD (VA)	A	B	C	LOAD TYPE	LOAD (VA)	TRIP	P	CKT NO.
1	1	20	LIS-STORAGE/PASSENGER BAY	L	1,920	5,970			5,020	G	50	3	2
3	1	20	LIS-WASH. BAY/DECK COIN	L	4,040		3,060		5,020	G			4
5	1	20	LIS-JAN/GR SHOWER/BOILER OFFICE	L	1,490			6,510	5,020	G			6
7	3	40	LATHE (1/2 HP)	M	2,920	7,941			5,020	G	50	3	8
9				M	2,920		7,941		5,020	G			10
11				M	2,920			7,941	5,020	G			12
13	3	40	AIR COMPRESSOR (1/2 HP)	M	2,920	26,795			23,874	F	125	3	14
15				M	2,920		27,735		24,814	F			16
17				M	2,920			25,707	23,786	F			18
19	3	30	TEST BENCH RECEPTACLE	M	3,718	3,718			0	S	20	1	20
21				M	3,718		3,718		0	S			22
23				M	3,718			3,718	0	S			24
25	1	20	BUILD & E-CANOPY LIGHTING	L	980	980			0	S	20	1	26
27	1	20	WEST CANOPY LIGHTS	L	324		324		0	S	20	1	28
29	1		PREPARED SPACE	S	0			0	0	S			30
31	1			S	0		0		0	S			32
33	1			S	0		0		0	S			34
35	1			S	0		0		0	S			36
37	1			S	0		0		0	S			38
39	1			S	0		0		0	S			40
41	1			S	0		0		0	S			42
MAIN: 200 AMPS MCB				TOTALS: 48,404				48,778				VOLTS 208	
TYPE: 208Y/120 V 3 PH 4 W.				CONNECTED: 140,056 VA				389.1 A				NOTES	
N.E.C. FEEDER CALCULATIONS:				(VA) (A) LOAD TYPE:									
LIGHTING				10,980 VA				13.2 A				= LIGHTING (LOAD X 125%)	
MOTORS				30,871 VA				37.1 A				= GENERAL POWER	
RECEPTACLES				20,060 VA				24.1 A				= MOTORS (TOTAL + 125% OF LARGEST MOTOR)	
KITCHEN ED.				0 VA				0.0 A				= APPLIANCE (NEC 220.56 IF APPLICABLE)	
MISC. LOAD				22,474 VA				87.2 A				= MISC. LOAD & SUB FEEDS	
TOTAL DEMAND LOAD				134,385 VA				161.6 A				= SPARE OR SPACE	
MOUNTING				SPECIAL REQUIREMENTS:									
SURFACE				10,000 A.I.C.									

PANEL 'B' SCHEDULE													
CKT NO.	P	TRIP	LOAD SERVED	LOAD TYPE	LOAD (VA)	A	B	C	LOAD TYPE	LOAD (VA)	TRIP	P	CKT NO.
1	1	20	REC-STORAGE/PASS. SERVICE BAY	C	500	2,028			1,128	A	30	3	2
3	1	20	REC-OFFICE	C	540		2,416		1,876	A			4
5	1	20	REC-OFFICE	C	540			2,416	1,876	A			6
7	1	20	REC-OFFICE	C	1,060	2,205			1,128	A	20	2	8
9	1	20	REC-OFFICE	C	1,060		2,205		1,128	A			10
11	1	20	LIS-COOLER/FREEZER	L	1,000			1,360	360	G	20	1	12
13	1	20	REC-AUX BATH/FF-1 (1/2 HP)	G	1,500	1,880			360	G	20	1	14
15	1	20	WEST COUVE DOOR	M	1,127		1,847		720	G	20	1	16
17	1	20	WEST COUVE DOOR	M	1,127			1,847	720	G	20	1	18
19	1	20	SPARE	S	0	1,500			1,500	A	20	1	20
21	1	20		S	0		1,500		1,500	A	20	1	22
23	1	20		S	0			1,000	1,000	A	20	1	24
25	1	20		S	0		180		180	G	20	1	26
27	1	20		S	0			180	180	G	20	1	28
29	1	20		S	0			1,176	1,176	M	20	1	30
31	1		PREPARED SPACE	S	0		0		0	S	20	1	32
33	1			S	0		0		0	S	20	1	34
35	1			S	0		0		0	S	20	1	36
37	3	50	PANEL 'S'	F	3,611	3,611			0	S	20	1	38
39				F	4,133		4,133		0	S			40
41				F	3,937			3,937	0	S			42
MAIN: 125 AMPS MCB				TOTALS: 11,384				12,401				VOLTS 208	
TYPE: 208Y/120 V 3 PH 4 W.				CONNECTED: 35,521 VA				88.7 A				NOTES	
N.E.C. FEEDER CALCULATIONS:				(VA) (A) LOAD TYPE:									
LIGHTING				2,375 VA				6.6 A				= LIGHTING (LOAD X 125%)	
MOTORS				3,430 VA				9.5 A				= GENERAL POWER	
RECEPTACLES				7,380 VA				20.5 A				= MOTORS (TOTAL + 125% OF LARGEST MOTOR)	
KITCHEN ED.				10,017 VA				27.8 A				= APPLIANCE (NEC 220.56 IF APPLICABLE)	
MISC. LOAD				11,881 VA				32.4 A				= MISC. LOAD & SUB FEEDS	
TOTAL DEMAND LOAD				34,083 VA				86.3 A				= SPARE OR SPACE	
MOUNTING				SPECIAL REQUIREMENTS:									
SURFACE				10,000 A.I.C.									

PANEL 'C' SCHEDULE													
CKT NO.	P	TRIP	LOAD SERVED	LOAD TYPE	LOAD (VA)	A	B	C	LOAD TYPE	LOAD (VA)	TRIP	P	CKT NO.
1	1	20	REC-SOLVENT TANK	C	500	920			420	M	15	3	2
3	1	20	SPARE	S	0				420	M			4
5	1	20	SMALL GRINDER (1/2 HP)	A	667			1,087	420	M			6
7	1	20	REC-BLAD BLASTER	C	1,000	2,127			1,127	A	20	1	8
9	1	20	SPARE	S	0				540	G	20	1	10
11	1	20	PLASMA CUTTER	A	1,500			2,400	900	G	20	1	12
13	1	30	LARGE GRINDER (1 HP)	A	1,920	2,640			720	G	20	1	14
15	1	20	REC-EAST OUTSIDE	G	900		1,820		720	G	20	1	16
17	1	20	REC-WEST OUTSIDE	G	360			1,947	1,587	A	20	1	18
19	3	25	DRIVELLY (1/2 HP)	M	1,086	1,879			793	M	20	3	20
21				M	1,086		1,879		793	M			22
23				M	1,086			1,879	793	M			24
25	1	20	REC-W COIN RM	G	360	360			0	S	20	1	26
27	1	20	REC-E COIN RM W-1	G	500		1,772		1,272	G	30	3	28
29	1	20	REC-METZANONE/PAV RM	G	1,440			2,712	1,272	G			30
31	2	30	TEST BENCH RECEPTACLE	G	1,372	2,844			1,272	G			32
33				S	1,372		4,252		2,880	G	30	1	34
35	1	20	SPARE	S	0				0	S	20	1	36
37	3	15	SP-3 (1/2 HP)	M	420	1,920			1,500	G	20	1	38
39				M	420		1,920		1,510	F	25	2	40
41				M	420			2,025	1,505	F			42
MAIN: 125 AMP MCB				TOTALS: 12,480				12,413				VOLTS 208	
TYPE: 208Y/120 V 3 PH 4 W.				CONNECTED: 36,853 VA				92.6 A				NOTES	
N.E.C. FEEDER CALCULATIONS:				(VA) (A) LOAD TYPE:									
LIGHTING				8,157 VA				22.6 A				= LIGHTING (LOAD X 125%)	
MOTORS				14,440 VA				40.1 A				= MOTORS (TOTAL + 125% OF LARGEST MOTOR)	
RECEPTACLES				6,121 VA				17.0 A				= APPLIANCE (NEC 220.56 IF APPLICABLE)	
KITCHEN ED.				3,115 VA				8.6 A				= MISC. LOAD & SUB FEEDS	
MISC. LOAD				31,833 VA				88.4 A				= SPARE OR SPACE	
TOTAL DEMAND LOAD				SPECIAL REQUIREMENTS:									
MOUNTING				10,000 A.I.C.									
SURFACE													

PANEL 'S' SCHEDULE																
CKT NO.	P	TRIP	LOAD SERVED	LOAD TYPE	LOAD (VA)	A	B	C	LOAD (VA)	LOAD TYPE	LOAD SERVED	TRIP	P	CKT NO.		
3	15	P1-A (1 1/2 HP)		M	792	1,368			1,176	S	PP-1 (1/2 HP)	20	1	3		
3				M	792		792		0	S	SPARE	20	1	4		
3				M	792			942	150	M	P-3 (1/25 HP)	20	1	5		
3	15	P1-B (1 1/2 HP)		M	792	857			63	S	TRIP PROTECT	15	1	6		
9				M	792		1,488		690	M	B-1 (1/4 HP)	20	1	7		
11				M	792			892	100	M	M-CH CONTROL PANEL	20	1	10		
13	1	20 SPARE		S	0	100	1,028		150	C	M-CH CONTROL PANEL	20	1	12		
15	1	20 WH-2 (1/6 HP)		M	528				100	C	PRG ALARM PANEL	20	1	14		
17	1	20 WH-1 (1/6 HP)		M	528			678	150	M	P-2 (1/25 HP)	15	1	18		
19	1	20 KNOX WH-4 (1/25 HP)		G	686	686			0	S	SPARE	20	1	20		
21	1	20 SPARE		S	0		0		0	S		20	1	22		
23	1	20 WH-1 (1/6 HP)		M	600			500	0	S		20	1	24		
25	1	---	PREPARED SPACE	S	0	0			0	S		20	1	26		
27	1	---		S	0		825		825	M	** SEWER LINE HEAT TRACE	20	2	28		
29	1	---		M	0			825	825			20	2	30		
WATS: 50 AMPS PREPARED				TOTALS	1,361	4,133	3,937	VOLTS	208							
WATS: 208V/120 V 3 PH 4 W.				CONNECTED:	11,881	VA	32.4 A									
N.E.C. FEEDER CALCULATIONS:				VA	0	VA	0	LOAD TYPE								
LIGHTING				0	V.A.	0.0	A	L = LIGHTING (LOAD X 125%)								
MOTORS				8,911	V.A.	24.7	A	G = GENERAL POWER								
RECEPTACLES				1,186	V.A.	3.3	A	M = MOTORS (TOTAL 125% OF LARGEST MOTOR)								
KITCHEN F.D.				0	V.A.	0.0	A	A = APPLIANCE (NEC 220.55 IF APPLICABLE)								
MISC. LOAD				0	V.A.	0.0	A	F = MISC. LOAD & SUB FEEDS								
TOTAL DEMAND LOAD				10,097	V.A.	28.0	A	S = SPARE OR SPACE								
WORKING SURFACE				SPECIAL REQUIREMENTS:												
				10,000 A.L.C.												
				** 30 mA TRIP GFCI BREAKER												

GENERAL STRUCTURAL NOTES

- A. DESIGN CRITERIA**
1. BUILDING CODE: 2003 IBC (INTERNATIONAL BUILDING CODE)
COVERING JURISDICTION: CITY OF JUNEAU BUILDING DEPARTMENT
 2. LIVE LOADS:
 - FLOOR LIVE LOAD (BASIC): 100 PSF
 - FLOOR LIVE LOAD (STAIRS AND CORRIDORS): 100 PSF
 - MEZANINE LIVE LOAD: 250 PSF
 - MECHANICAL AND COMM. ROOM LIVE LOAD: 150 PSF
 3. SNOW LOADS:
 - GROUND SNOW LOAD P_g : 60 PSF
 - FLAT ROOF SNOW LOAD P_f : 50 PSF
 - SNOW EXPOSURE FACTOR C_e : 0.8
 - SNOW LOAD IMPORTANCE FACTOR I : 1.0
 - THERMAL FACTOR C_t : 1.0
 4. WIND LOADS:
 - BASIC WIND SPEED: 110 MPH (3 SECOND GUST)
 - BUILDING CATEGORY: II
 - IMPORTANCE FACTOR: 1.0
 - EXPOSURE: D
 - INTERNAL PRESSURE COEFFICIENT: 0.18
 - COMPONENTS AND CLADDING DESIGN PRESSURE: 45 PSF
 5. SEISMIC LOADS:
 - SEISMIC USE GROUP: I
 - S_s : 0.60
 - S_1 : 0.37
 - SITE CLASS: D
 - BASIC SEISMIC FORCE RESISTING SYSTEM: LIGHT FRAMED BEARING SHEAR WALLS SHEATHED WITH WOOD STRUCTURAL PANELS
 - DESIGN BASE SHEAR: 51 KIPS
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE METHOD

- B. FOUNDATION**
1. FOUNDATION DESIGN IS BASED ON INFORMATION PROVIDED BY ALASKA DOT.
 2. ALLOWABLE SOIL BEARING PRESSURE: 3000 PSF
 3. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY FROST OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUB-GRADE BEFORE AND AFTER PLACING CONCRETE UNTIL SUCH SUB-GRADES ARE PERMANENTLY PROTECTED BY THE BUILDING STRUCTURE.
 4. AT PERIMETER FOUNDATION WALLS, BRING GRADE UP EVENLY (WITH MAXIMUM 6" LIFTS) ON EACH SIDE OF WALL TO FINAL ELEVATIONS.
 5. FOR STRUCTURAL FILL INFORMATION SEE SHEET B1.

- C. CONCRETE**
1. ALL CAST-IN-PLACE CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH (f'_c) OF 4000 PSI.
 2. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60, UNLESS OTHERWISE NOTED, EXCEPT #3 BARS WHICH MAY BE GRADE 40.
 3. DETAIL REINFORCING BARS IN ACCORDANCE WITH THE ACI DETAILING MANUAL AND THE ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, LATEST EDITION.
 4. CONCRETE SHALL MEET ALL REQUIREMENTS OF ACI 301 SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS.
 5. HORIZONTAL FOUNDATION AND WALL REINFORCING SHALL BE CONTINUOUS AROUND CORNERS AND INTERSECTIONS; PROVIDE CORNER BARS.
 6. LAP ALL REINFORCING THE LARGER OF 24 INCHES OR 36 BAR DIAMETERS.
 7. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS SHOWN ON THE DRAWINGS. PROVIDE SUFFICIENT TIE BARS TO SUPPORT ALL REINFORCING.
 8. PROVIDE REINFORCEMENT COVER AS FOLLOWS, UNLESS NOTED OTHERWISE ON DRAWINGS:
 - CONCRETE POURED IN FORMS: 1 1/2"
 - CONCRETE POURED AGAINST EARTH: 3"
 - CONCRETE SLABS ON GRADE: PLACE REINFORCING AT SLAB MID-DEPTH

- D. STRUCTURAL STEEL**
1. ALL STRUCTURAL STEEL WIDE FLANGE MEMBERS AND CHANNELS SHALL BE ASTM A572 GRADE 50 OR A992 ($f_y = 50$ KSI).
 2. SQUARE/RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500 GRADE B ($f_y = 46$ KSI) OR GRADE C ($f_y = 50$ KSI).
 3. ROUND HSS (PIPES) SHALL CONFORM TO ASTM A53 GRADE B ($f_y = 35$ KSI).
 4. ANGLES AND PLATES SHALL BE ASTM A36 ($f_y = 36$ KSI).
 5. ALL STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION.
 6. WELDING SHALL BE PERFORMED WITH 70 KSI ELECTRODES. WELDING SHALL BE DONE BY QUALIFIED WELDERS AND SHALL CONFORM TO AWS D1.1, LATEST EDITION. ALL WELDS ARE INTENDED TO BE CONTINUOUS UNLESS NOTED OTHERWISE.
 7. FIELD WELDS NOTED THROUGHOUT THE CONTRACT DOCUMENTS ARE ACCEPTABLE LOCATIONS FOR FIELD WELDING. AT THE CONTRACTOR'S OPTION, FIELD WELDS MAY BE PERFORMED IN THE SHOP.
 8. BOLTED CONNECTIONS SHALL BE ACCOMPLISHED WITH ASTM A325 OR F1852 HIGH STRENGTH BOLTS IN STANDARD HOLES UNLESS NOTED OTHERWISE. ANCHOR BOLTS SHALL BE ASTM F 1554 GRADE 36. ANCHOR BOLTS ARE TO BE ACCURATELY PLACED WITH SETTING TEMPLATES.
 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL ERECTION PROCEDURES AND SEQUENCES WITH REGARDS TO TEMPERATURE DIFFERENTIALS.
 10. GALVANIZE EXTERIOR STEEL. SHOP PRIME INTERIOR STEEL.

- E. WOOD CONSTRUCTION**
1. ALL FRAME LUMBER SHALL BE DOUG FIR/ LARCH NO. 2 OR BETTER/ EQUAL.
 2. LAMINATED VENEER LUMBER (LVL) SHALL MEET THE FOLLOWING CRITERIA:
 - $F_b = 2800$ PSI
 - $E = 2,000,000$ PSI
 3. PARALLEL STRAND LUMBER (PSL) SHALL MEET THE FOLLOWING CRITERIA:
 - $F_b = 2800$ PSI
 - $E = 2,000,000$ PSI
 4. SEE SPECIFICATION 05100 SECTION 2.5 FOR PLYWOOD.
 5. BOLTS USED IN WOOD CONNECTIONS SHALL BE ASTM A307.

- F. COLD FORMED METAL FRAMING NOTES**
1. MATERIAL USED TO MANUFACTURE COLD FORMED METAL FRAMING SHALL MEET THE MINIMUM REQUIREMENTS OF ASTM C955, GRADE 50 ($f_y = 50$ KSI) FOR 54 & 68 U/L (14 & 18 GAUGE) AND ASTM C955, GRADE 50 ($f_y = 50$ KSI) FOR 43 U/L (18 GAUGE) AND LIGHTER.
 2. ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL (AISI) "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS," LATEST EDITION W/ SUPPLEMENTS.
 3. ACCESSORIES: PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT NECESSARILY LIMITED TO TRACKS, CLIPS, WEB STIFFENERS, BRIDGING, ANCHORS, FASTENING DEVICES, RESISTENT CLIPS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBER.
 4. WHERE WALL STUDS DO NOT HAVE WALLBOARD OR PLYWOOD FASTENED TO BOTH FLANGES, INSTALL BRIDGING AS RECOMMENDED BY MANUFACTURER.
 5. FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS. SCREWS SHALL BE OF SUFFICIENT SIZE TO INSURE THE STRENGTH OF THE CONNECTION. WIRE TIEING OF COMPONENTS SHALL NOT BE PERMITTED. SCREW FASTENERS TO TREATED WOOD SHALL BE STAINLESS STEEL. ANY FASTENER CONNECTING TO WOOD MUST NOT USE SELF DRILLING SCREWS. SELF PIERCING SCREWS ARE PERMITTED.
 6. WELDING OF LIGHT GAUGE COLD FORMED METAL SHALL BE DONE IN ACCORDANCE WITH AWS D1.3, LATEST EDITION.

- G. GENERAL**
1. CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS TO MATCH NEW CONSTRUCTION TO EXISTING CONSTRUCTION.
 2. CORROSION, I.E. NAILS, SCREWS, OR BOLTS, THAT COME IN CONTACT WITH TREATED BOTTOM PLATES WILL HAVE PROPER CORROSION RESISTANT COATING.

SPECIAL INSPECTIONS

THE FOLLOWING STRUCTURAL ITEMS REQUIRE SPECIAL INSPECTION PER IBC SECTION 1704. THESE INSPECTIONS SHALL BE PERFORMED BY A SPECIAL INSPECTOR APPROVED BY ADO&PT TO PERFORM THE TYPES OF INSPECTIONS SPECIFIED. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR INSPECTION AND TESTING THAT ARE NOT PART OF SPECIAL INSPECTIONS.

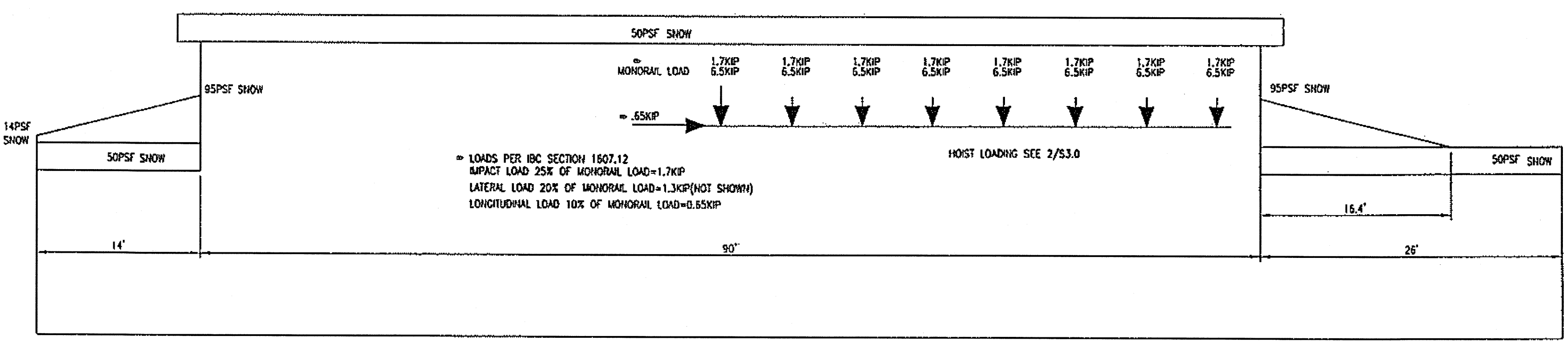
- CONCRETE** VISUAL INSPECTION OF PLACEMENT OF CONCRETE FOR FOOTINGS, GRADE BEAMS, WALLS, AND SLABS (FIRST 20% CONTINUOUS, 25% OF BALANCE)
- GROUT** VISUAL INSPECTION OF PLACEMENT OF GROUT FOR COLUMN BASE PLATES (100% CONTINUOUS)
- BOLTS INSTALLED IN CONCRETE** VISUAL INSPECTION OF ANCHOR BOLTS PRIOR TO CONCRETE PLACEMENT (100% OF ALL BOLTS)
- REINFORCING STEEL** VISUAL INSPECTION OF PLACEMENT OF REINFORCING STEEL (100% BEFORE CONCRETE PLACEMENT)
- WELDING** ALL WELDS SHALL BE VISUALLY INSPECTED BY AN AWS CERTIFIED INSPECTOR
- HIGH STRENGTH BOLTING** 100% INSPECTION OF FIELD BOLTED CONNECTIONS USING HIGH STRENGTH BOLTS
- SPECIAL GRADING, EXCAVATION, AND FILLING** WEEKLY VISUAL INSPECTION OF STRUCTURAL EXCAVATION, BACK FILL, AND COMPACTION

THE FOLLOWING STRUCTURAL ITEMS REQUIRE SPECIAL INSPECTION PER IBC SECTION 1707. THESE INSPECTIONS SHALL BE PERFORMED BY A SPECIAL INSPECTOR APPROVED BY ADO&PT TO PERFORM THE TYPES OF INSPECTIONS SPECIFIED. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR INSPECTION AND TESTING THAT ARE NOT PART OF SPECIAL INSPECTIONS.

- WOOD** 100% VISUAL INSPECTION OF SHEATHING PLACEMENT, NAILING, BOLTING, AND PLACEMENT OF EPOXY ANCHORS FOR SHEAR WALLS AND ROOF DIAPHRAGM

STRUCTURAL LEGEND

- WELD SYMBOL SEE PARTICULAR USAGE FOR DETAILS
- 0 ARCH
MECH MECH
OC ON CENTER
OSB ORIENTED STRAND BOARD
RE REFERENCE, REFER
SN SIMILAR
SQ SQUARE
TS TUBE STEEL
TYP TYPICAL
W/ WITH
UNO UNLESS NOTED OTHERWISE
TOS TOP OF CONCRETE SLAB



TOP CORD DEAD LOAD 10 PSF
BOTTOM CORD DEAD 10 PSF
SEE DETAIL 1/S3.0 FOR MECHANICAL EQUIPMENT

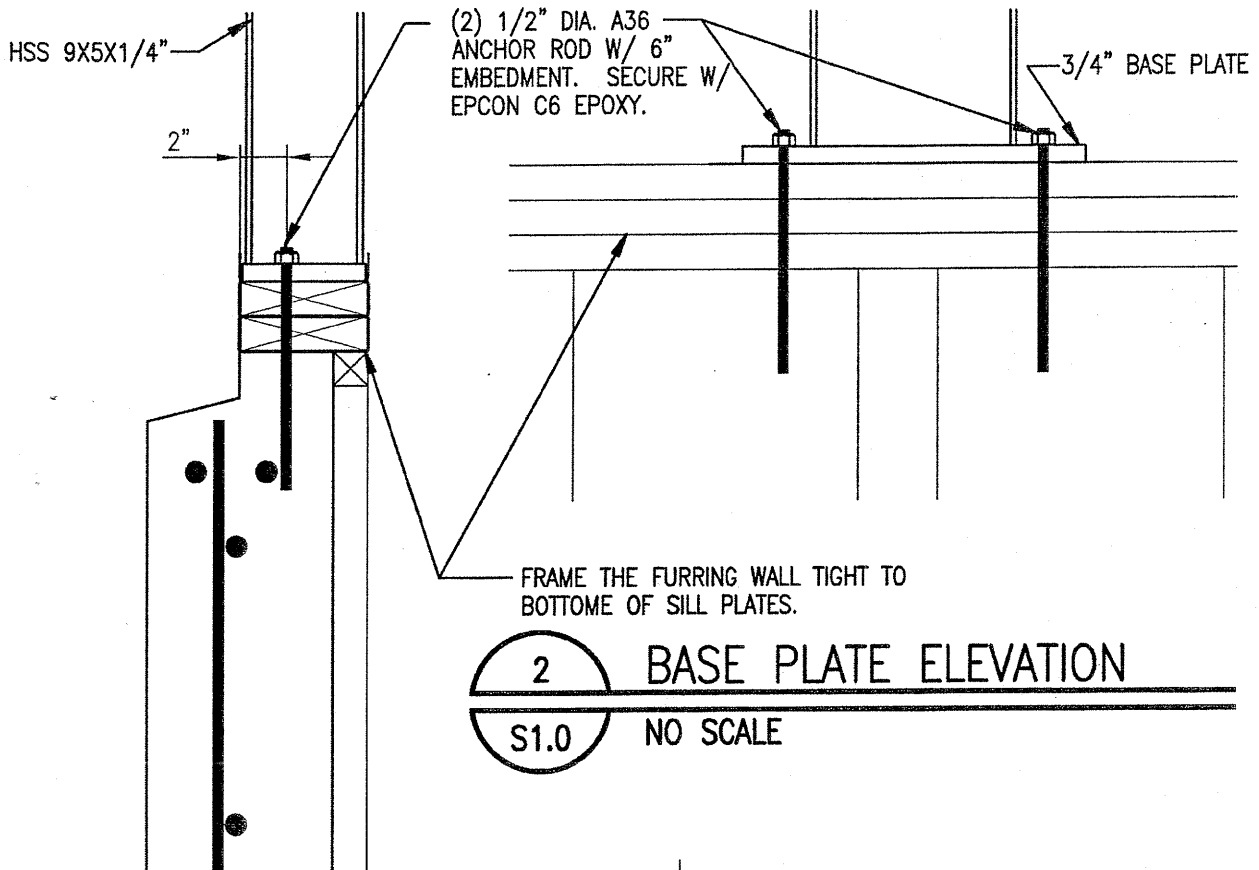
1 ROOF LOADING PLAN
S0.0 NTS 1:64

except 33 KSI for interior 2x4 studs. see DCVR A-001 4/17/08

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY:		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
		JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION STRUCTURAL NOTES	
DESIGNED BY: JLV		WEBB, JASON	
DRAWN BY: JLV		PROJECT DESIGNATION	
PATH: P:\040708\ISACAD\040708-S0.0.DWG		YEAR	
DATE: Thursday, November 1, 2007		SHEET NO.	
NO.		TOTAL SHEETS	
DATE		SHAK-9500(103) ~ 67763	
DESCRIPTION		2007	
		S0.0	
		52	

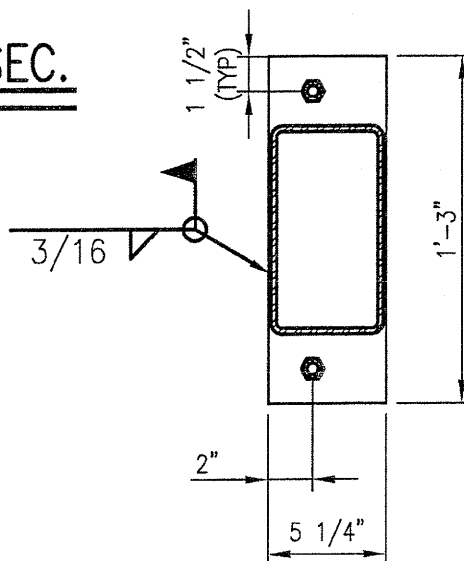
As Built Plans Sheet 66 of 74



2 BASE PLATE ELEVATION
 S1.0 NO SCALE

1 BASE PLATE SEC.
 S1.0 NO SCALE

details for
 column at grid
 coordinate B:4



3 BASE PLATE PLAN
 S1.0 NO SCALE

JUN 08 17:02

Design
 Alaska

**JUNU-AMHS-AUKE BAY FVF SUPPORT
 FACILITY BUILDING CONSTRUCTION**

DCVR C-10

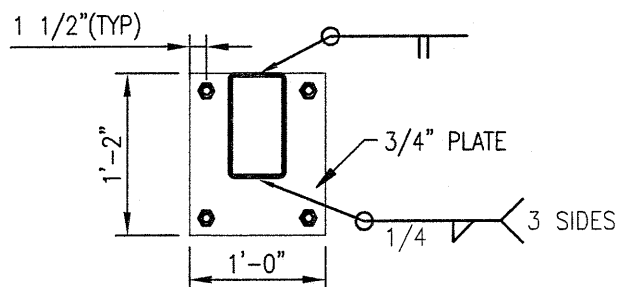
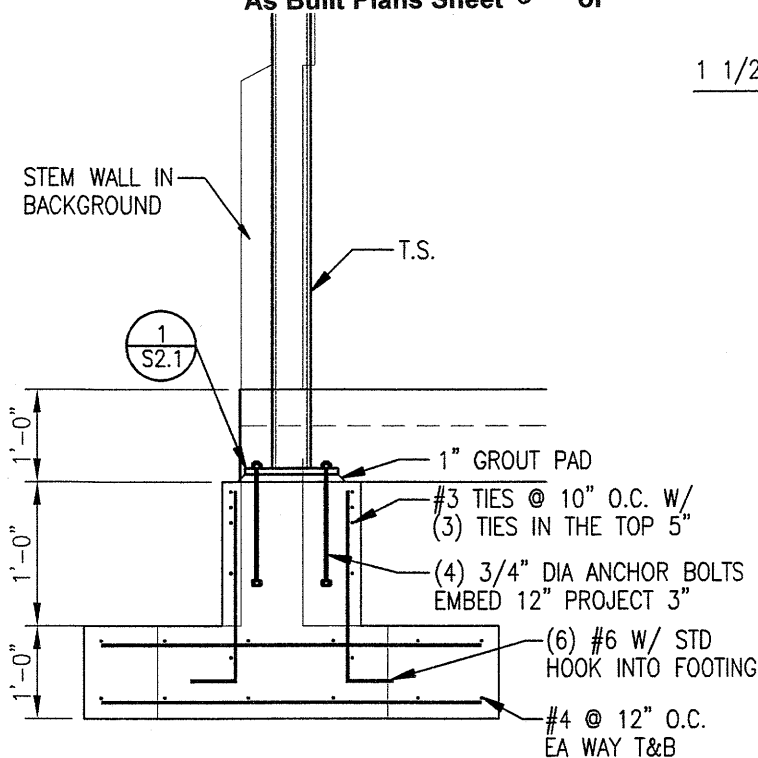
DR: JLW
 COMM.# 040708
 DATE: 24 JUN 08

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JSK 1/29/2010

A-006

As Built Plans Sheet 69 of 74

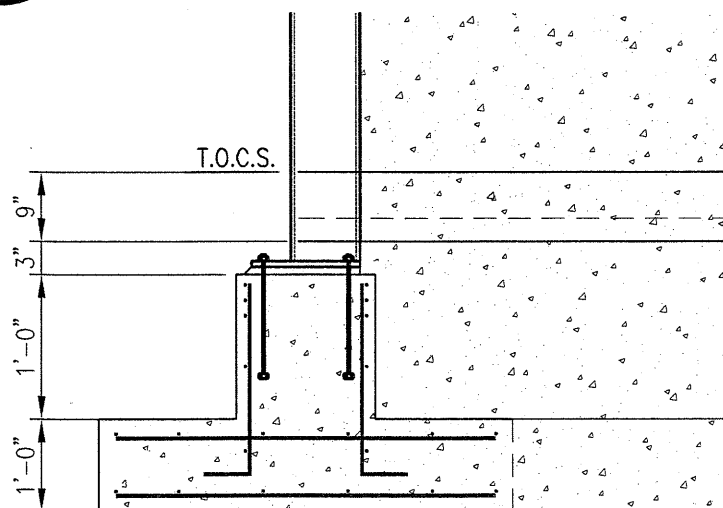


1 BASE PLATE

S2.1 NO SCALE

2 NEW 2/S2.1 CANOPY COLUMN

S2.1 NO SCALE



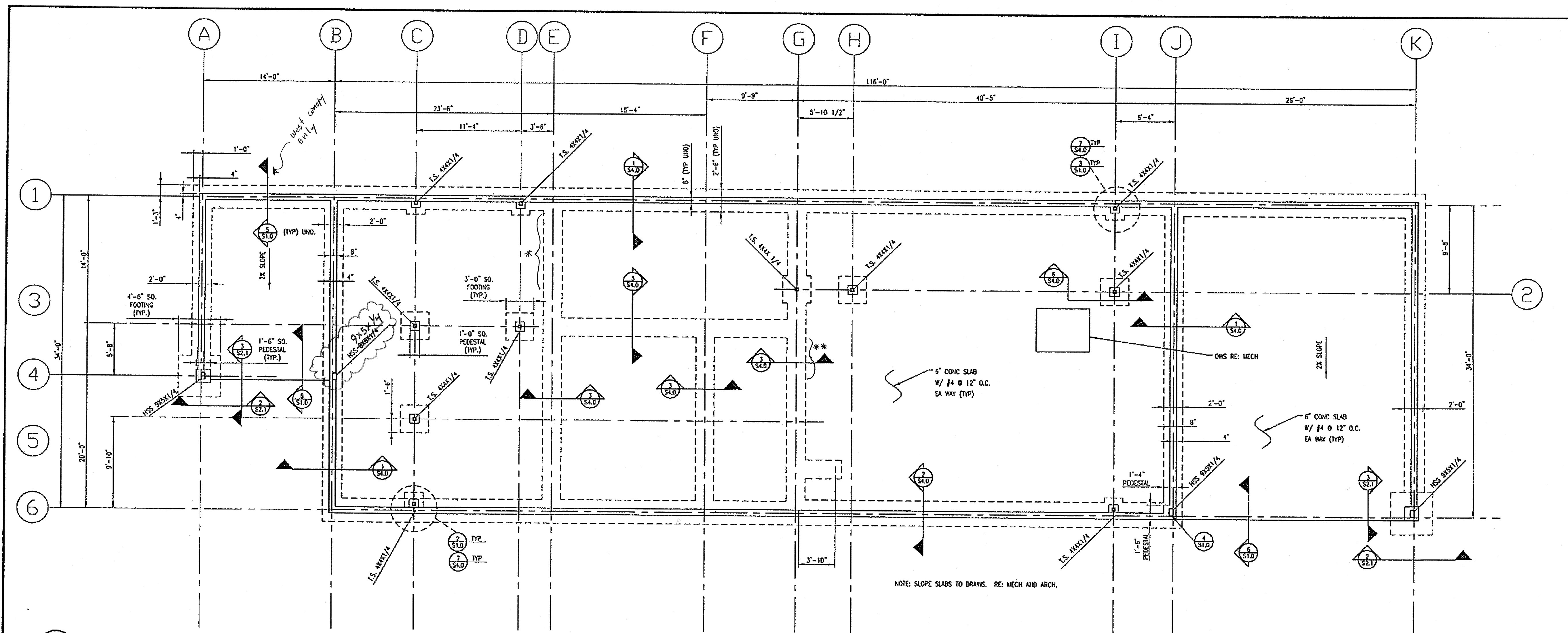
3 NEW 3/S2.1 CANOPY COLUMN

S2.1 / NO SCALE

Note: At grid coordinate B:4 column design changed per Design Alaska 6/24/08 response to DCVR #10. This change included in Change Order No. 1.

* #4 stirrups not installed in thickened portion of concrete slab due to conflict with recess for cooler/freezer

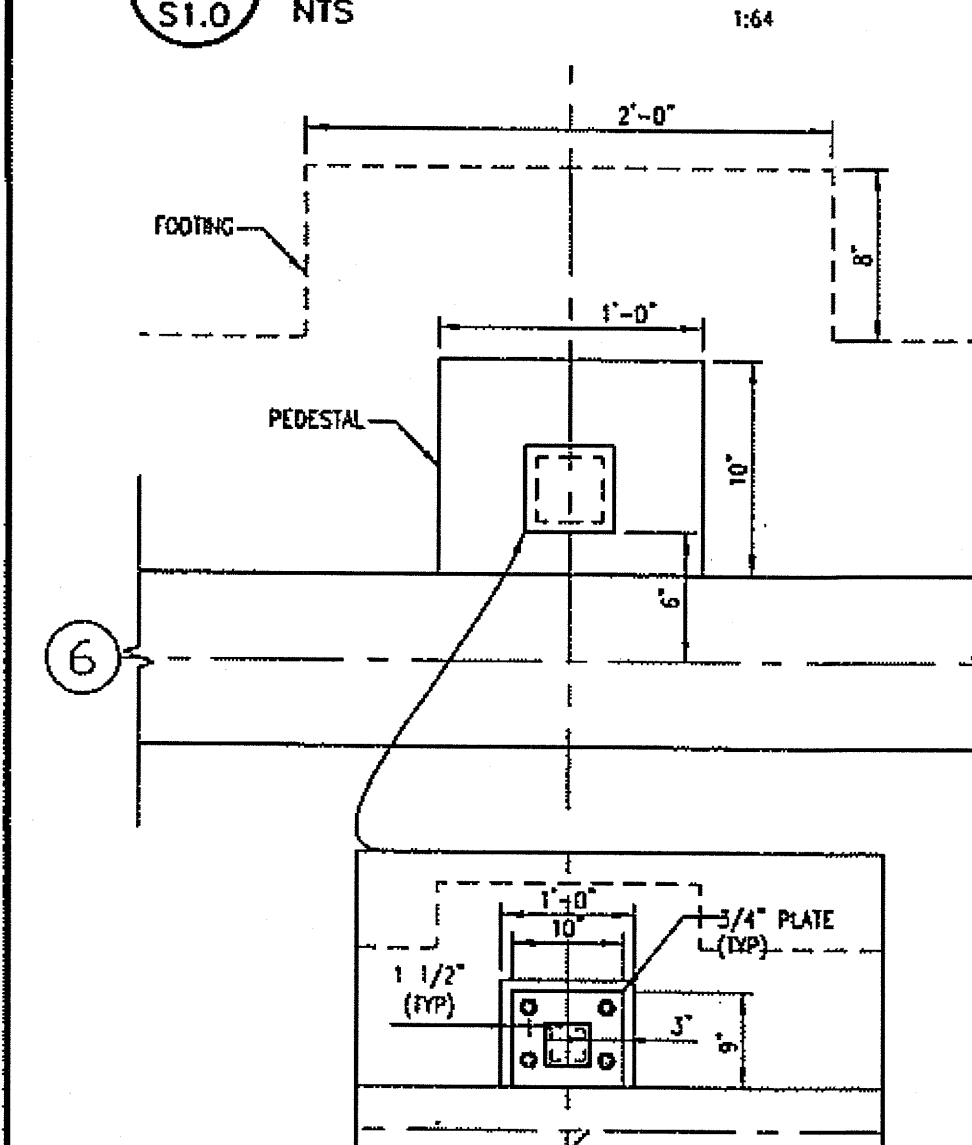
** #4 stirrups not installed this location due to conflict with vent plumbing and trap primers. LVL header above vent manifold in wall



1 FOUNDATION PLAN

S1.0 NTS

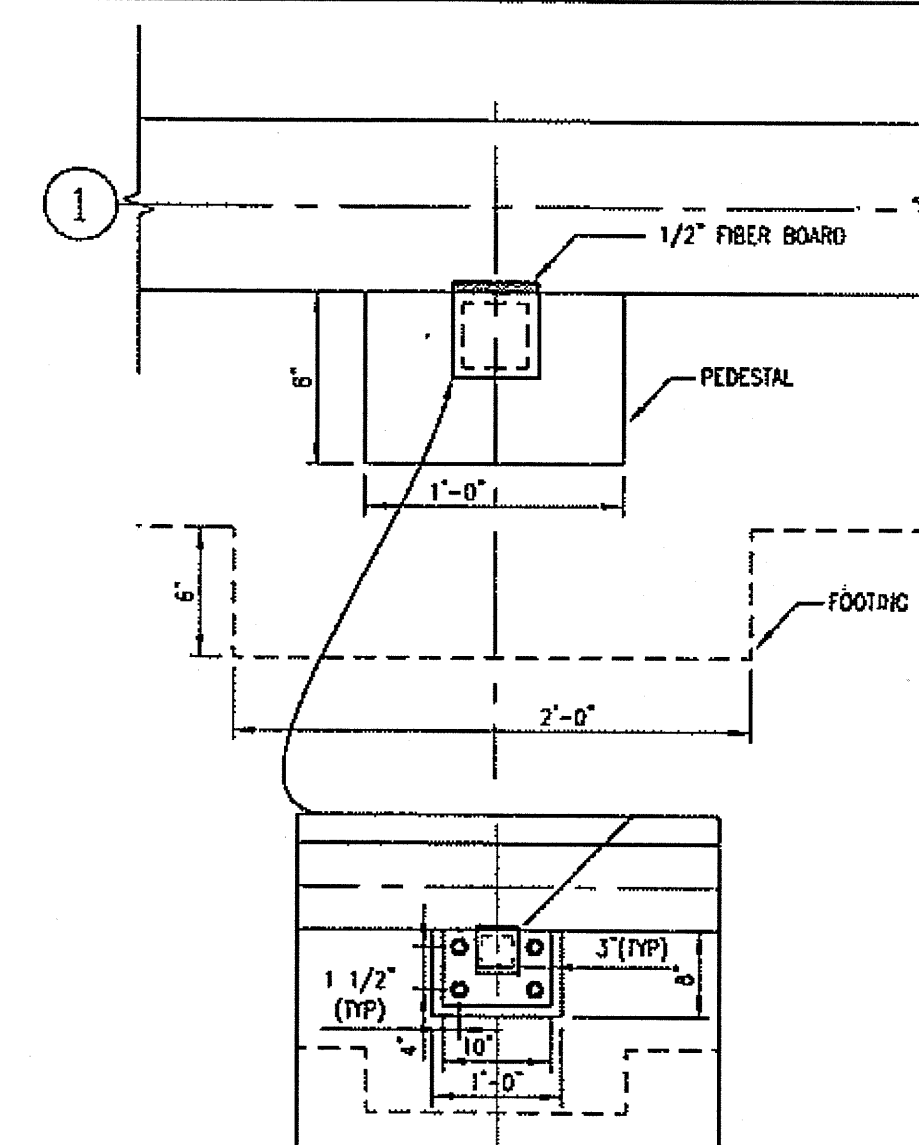
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2 FOUNDATION DETAILS-6 LINE

S1.0 NTS

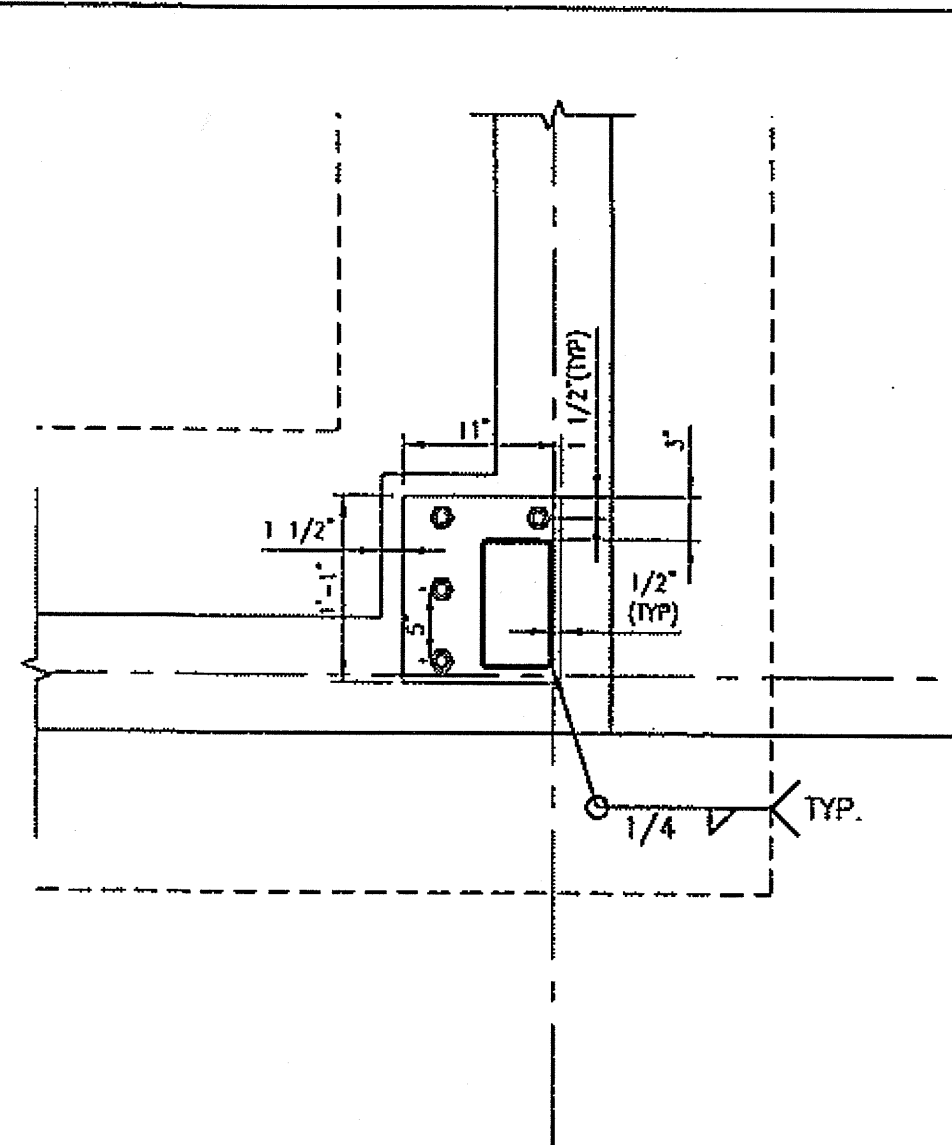
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3 FOUNDATION DETAILS-1 LINE

S1.0 NTS

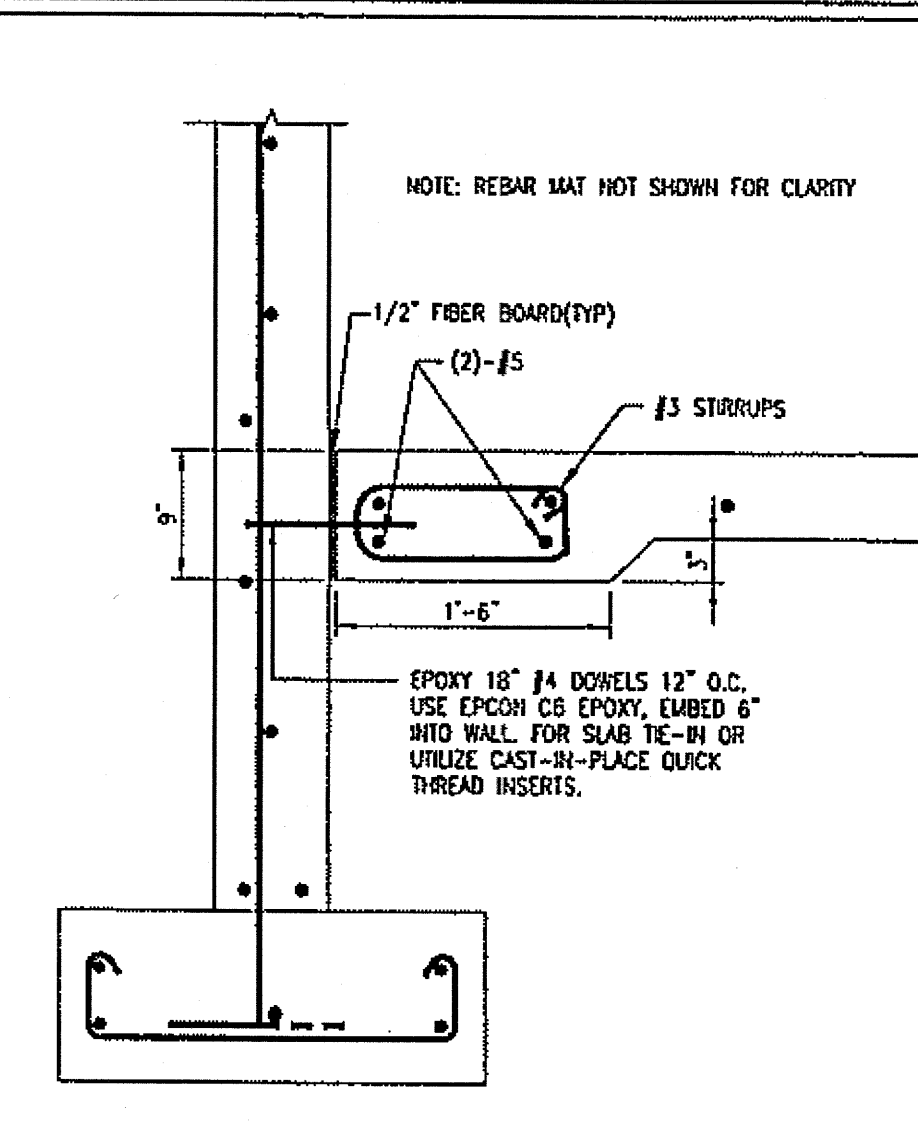
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4 CORNER COLUMN PLATE DETAILS

S1.0 NTS

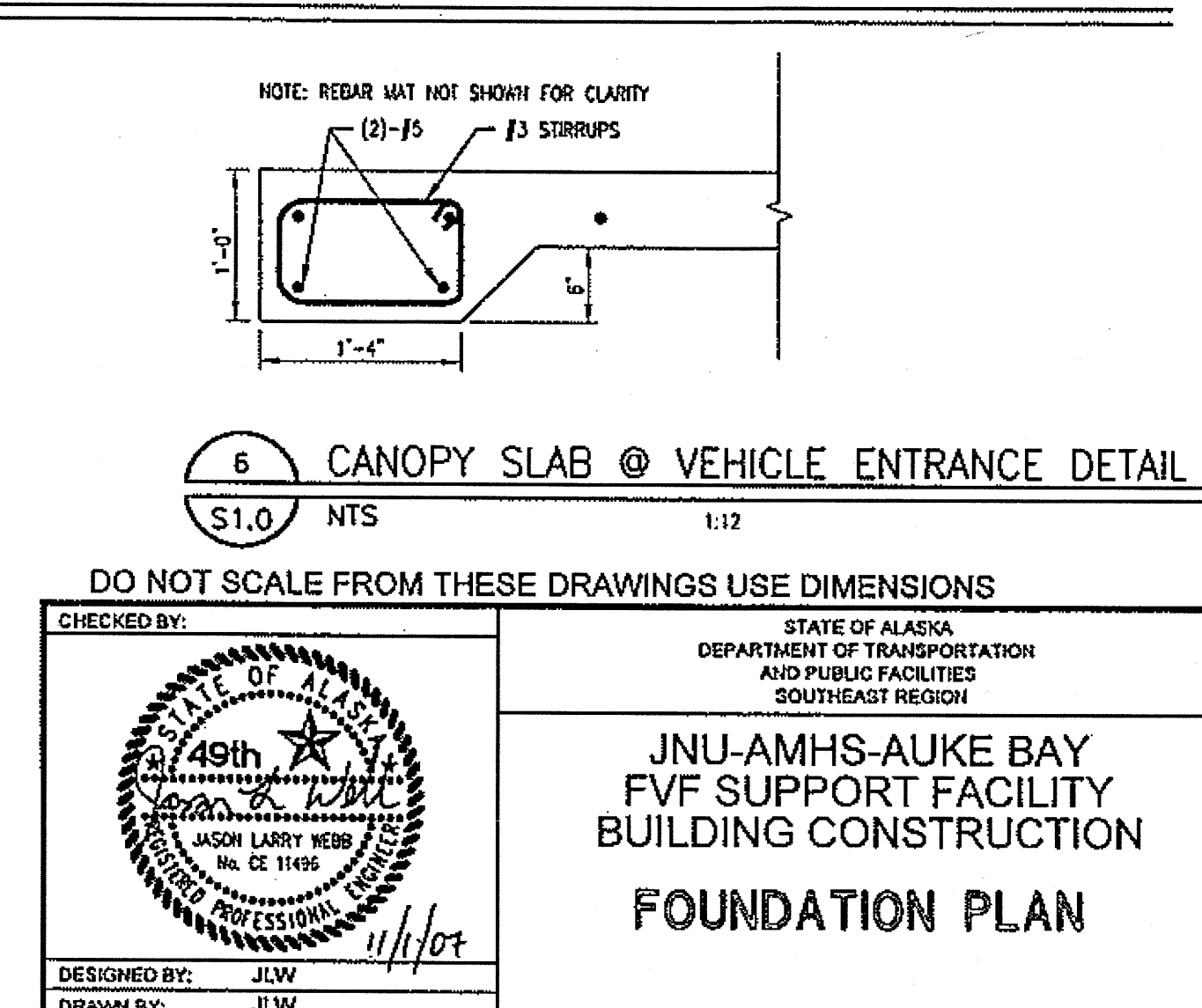
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5 CANOPY SLAB DETAILS

S1.0 NTS

1:12



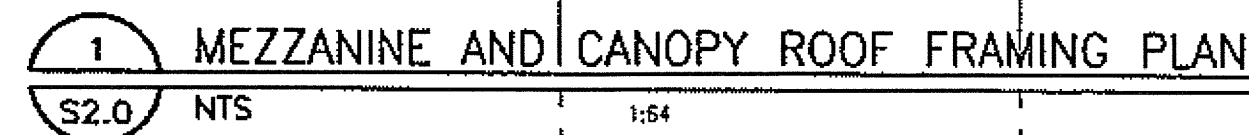
6 CANOPY SLAB @ VEHICLE ENTRANCE DETAIL

S1.0 NTS

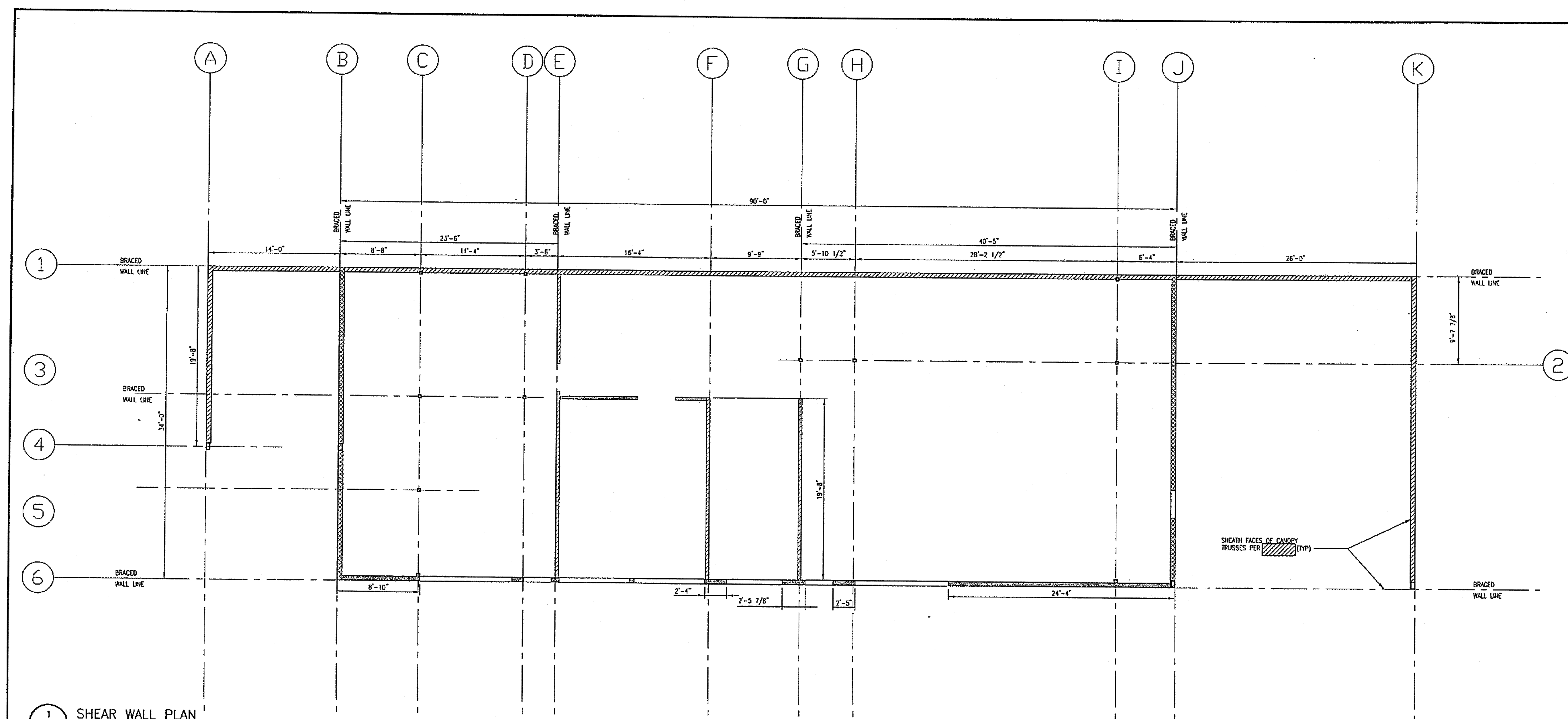
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DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: JLW DESIGNED BY: JLW DRAWN BY: JLW PATH: P:\040708\SHAK-9500\040708-S1.0.DWG DATE: Thursday, November 1, 2007		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION FOUNDATION PLAN	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION SHAK-9500(103) - 67763	
		YEAR	SHEET NO.
		2007	S1.0
		TOTAL SHEETS	
		52	



WEBB, JASON			
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SHAK-9500(103) ~ 67763	2007	S2.0	52



1 SHEAR WALL PLAN

S2.1 NTS

1:64

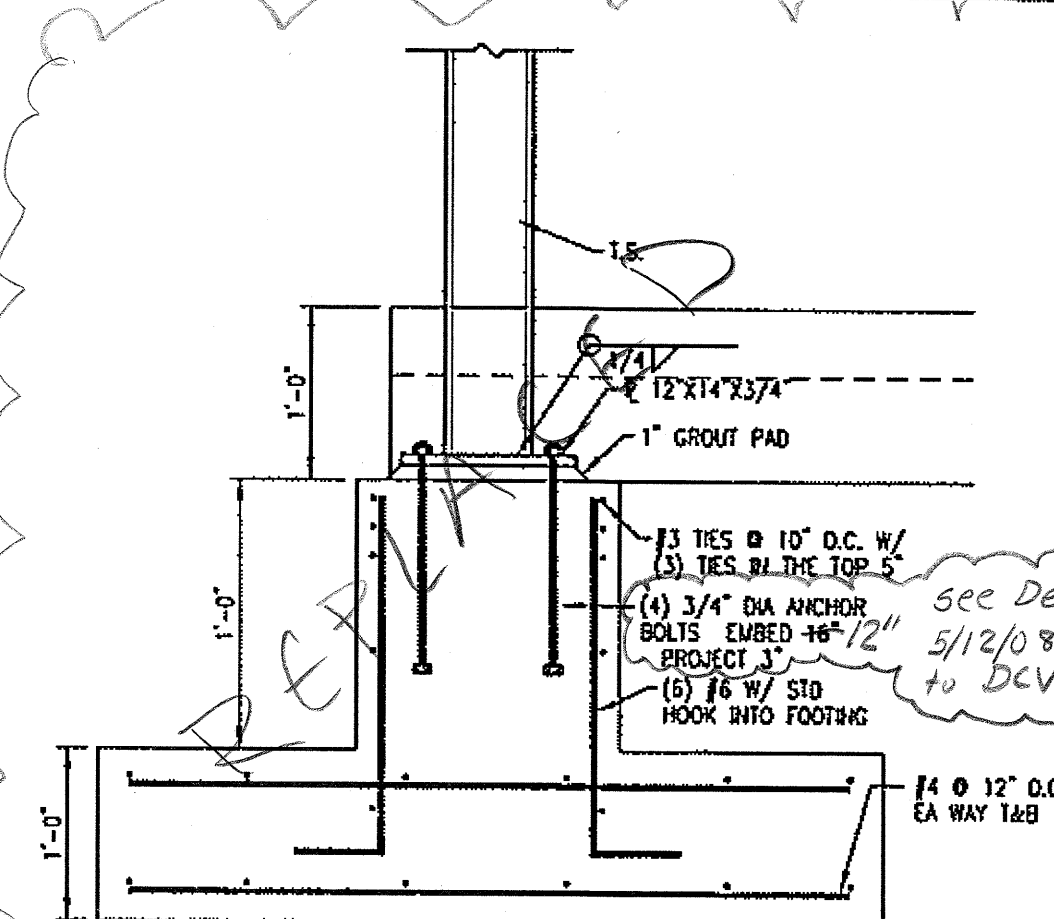
SPECIFIC NOTES

ALL WALLS TO BE CONSTRUCTED WITH 18 GAUGE STEEL STUDS.

SHEAR WALL SHEATHING LEGEND

	WALL SHEATHING: SHEAR WALL W/ EXT 550S162-54 50 KSI STEEL STUDS INT 400S162-43 50 KSI STEEL STUDS @ 16" O.C. SHEATH ONE SIDE WITH 7/16 OSB PANELS W/ 292 DIAMETER HEAD, FLAT-HEAD SELF-DRILLING TAPPING SCREWS @ 4" O.C. PERIMETER AND 12" O.C. FIELD. BLOCK ALL PANEL EDGES. ALL WALLS SHALL HAVE DOUBLE STUDS AND SIMPSON S/HOBS OR EQUAL AT EACH END, OPENING, AND BETWEEN FLOORS.
	WALL SHEATHING: SHEAR WALL W/ EXT 550S162-54 50 KSI STEEL STUDS INT 400S162-43 50 KSI STEEL STUDS @ 16" O.C. SHEATH ONE SIDE WITH 7/16 OSB PANELS W/ 292 DIAMETER HEAD, FLAT-HEAD SELF-DRILLING TAPPING SCREWS @ 4" O.C. PERIMETER AND 12" O.C. FIELD. BLOCK ALL PANEL EDGES. ALL WALLS SHALL HAVE DOUBLE STUDS AND SIMPSON S/HOBS OR EQUAL AT EACH END, OPENING, AND BETWEEN FLOORS.
	WALL SHEATHING: SHEAR WALL W/ EXT 550S162-54 50 KSI STEEL STUDS INT 400S162-43 50 KSI STEEL STUDS @ 16" O.C. SHEATH BOTH SIDES WITH 7/16 OSB PANELS W/ 292 DIAMETER HEAD, FLAT-HEAD SELF-DRILLING TAPPING SCREWS @ 4" O.C. PERIMETER AND 12" O.C. FIELD. BLOCK ALL PANEL EDGES. ALL WALLS SHALL HAVE DOUBLE STUDS AND SIMPSON S/HOBS OR EQUAL AT EACH END, OPENING, AND BETWEEN FLOORS.

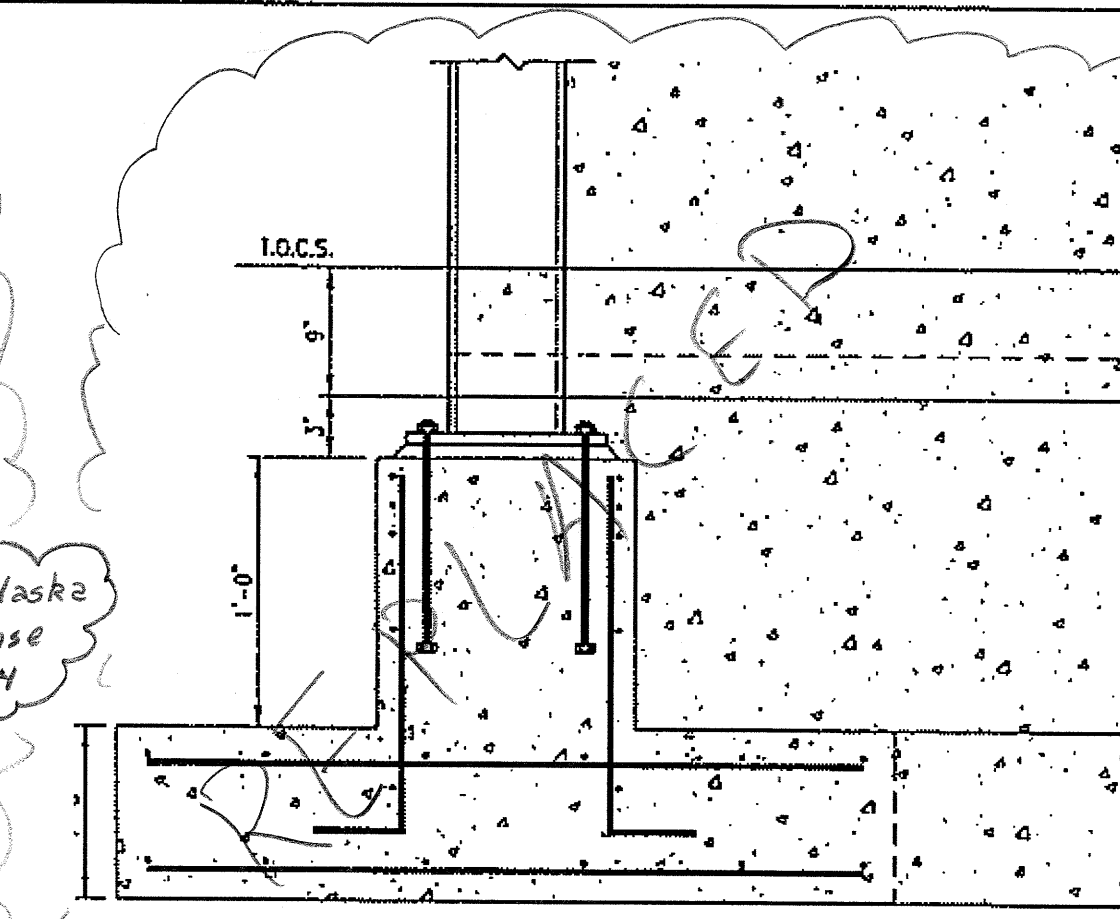
NOTE: EXTEND SHEAR WALL SHEATHING ONTO TRUSS FACES. SHEATH TRUSSES ONE SIDE ONLY.



2 CANOPY COLUMN DETAIL

S2.1 NTS

1:12

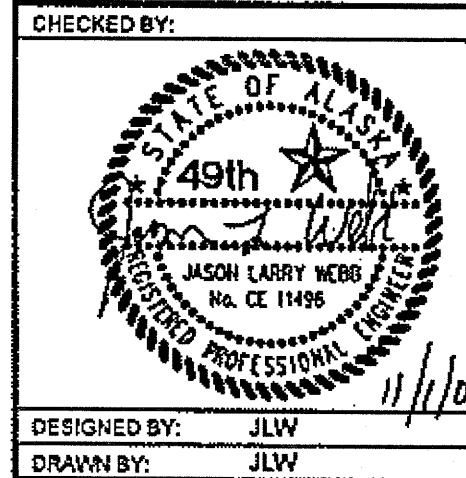


3 CANOPY COLUMN DETAIL

S2.1 NTS

1:12

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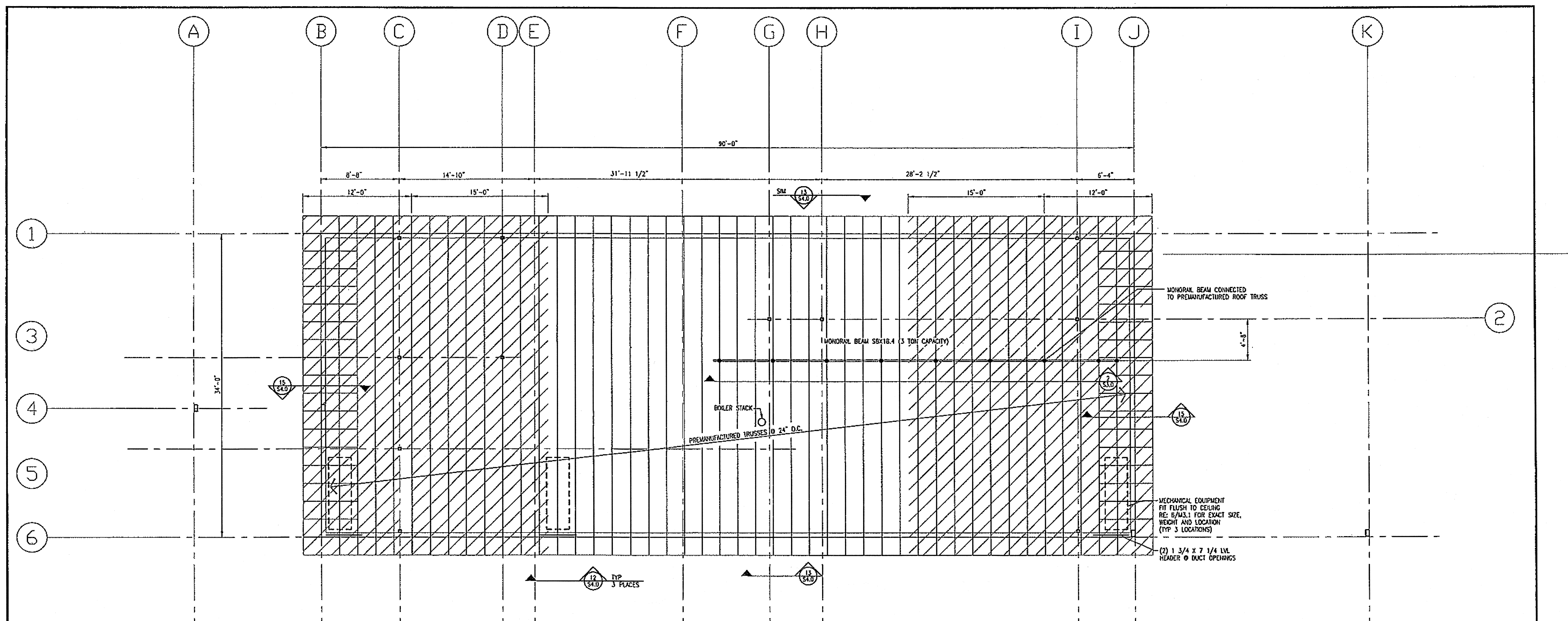
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 DATE: Thursday, November 1, 2007

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-AMHS-AUKE BAY
 FVF SUPPORT FACILITY
 BUILDING CONSTRUCTION
 SHEAR WALL PLAN

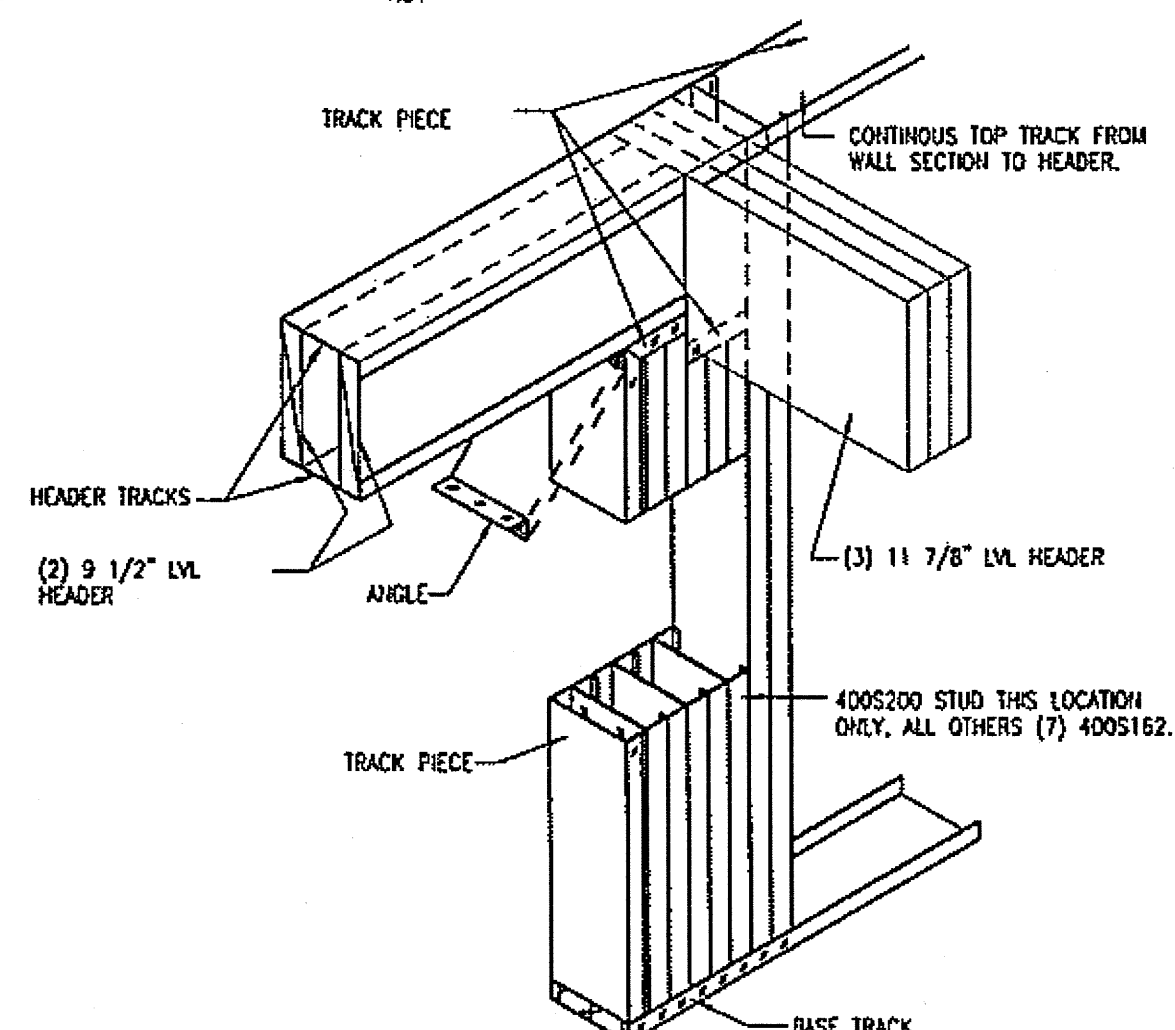
NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SHAK-9500(103) ~ 67763	2007	S2.1	52

See Design Alaska 5/15/08 response
 to DCVR-A-006. Canopy Column Details 2152.1 + 3/52.1
 were replaced. A detail for column base plates is provided.

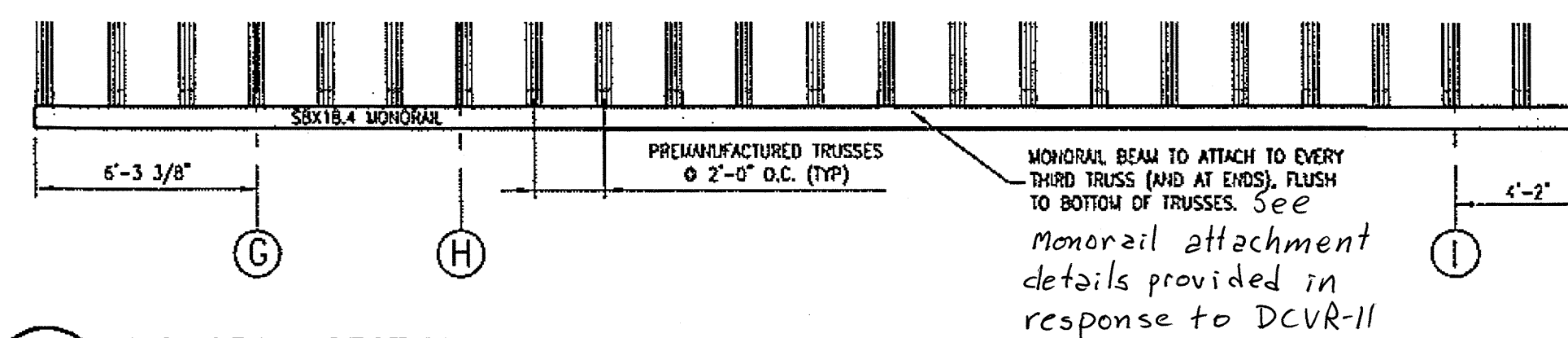


1 ROOF FRAMING PLAN
 S3.0 NTS 1:64

NOTE: BOILER STACK LOCATED PER DETAIL 1/S2.0

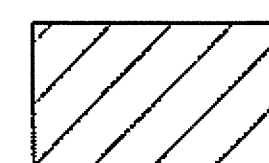


3 HEADER FRAMING
 S3.0 NO SCALE



2 MONORAIL SECTION
 S3.0 NTS 1:48

ROOF SHEATHING LEGEND

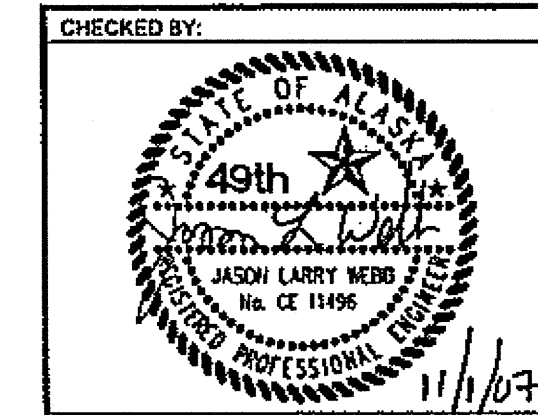


ROOF SHEATHING:
 19/32" SHEATHING W/ 10d @ 4" O.C. PANEL EDGE AND 12" O.C. FIELD.
 NAILING INTO 2X NOMINAL MATERIAL. BLOCK PANEL EDGES.
 NOTE: APPLY THIS SHEATHING TO CANOPY ROOFS.



ROOF SHEATHING:
 19/32" SHEATHING W/ 8d @ 6" O.C. PANEL EDGE AND 12" O.C. FIELD.
 NAILING INTO 2X NOMINAL MATERIAL. BLOCK PANEL EDGES.

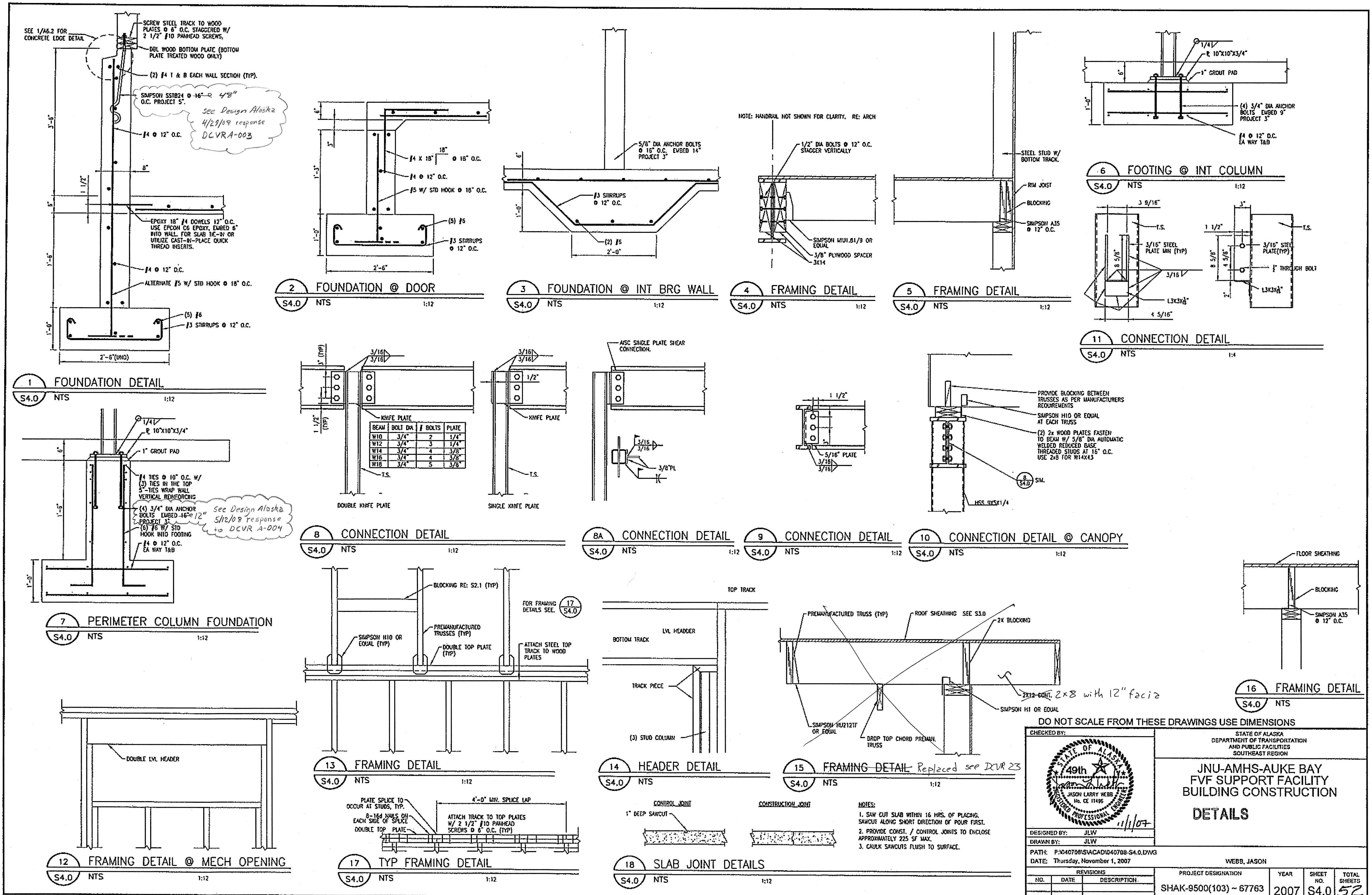
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 DATE: Thursday, November 1, 2007

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION
 JNU-AMHS-AUKE BAY
 FVF SUPPORT FACILITY
 BUILDING CONSTRUCTION
 ROOF FRAMING PLAN

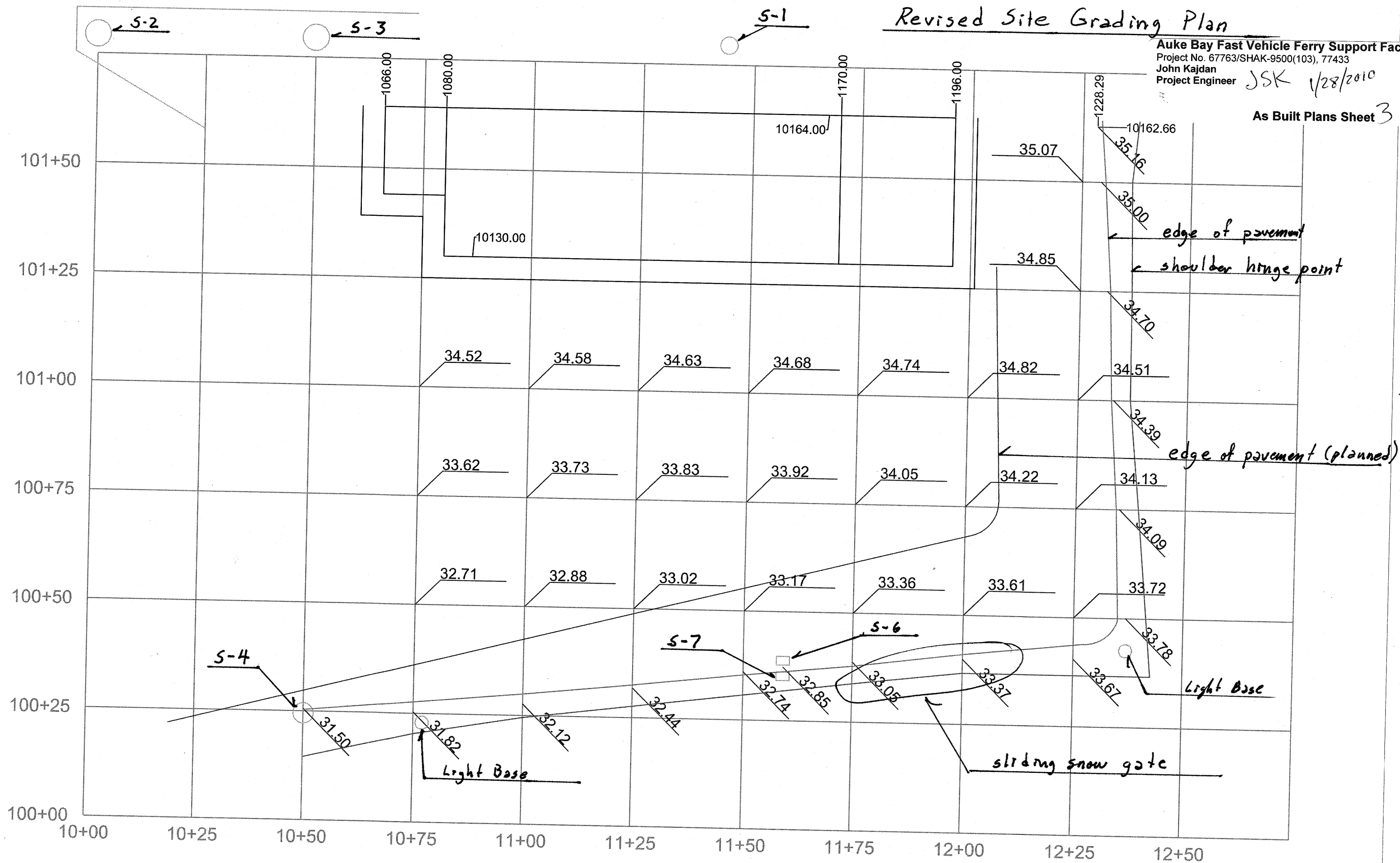
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			SHAK-9500(103) - 67763	2007	S3.0	52

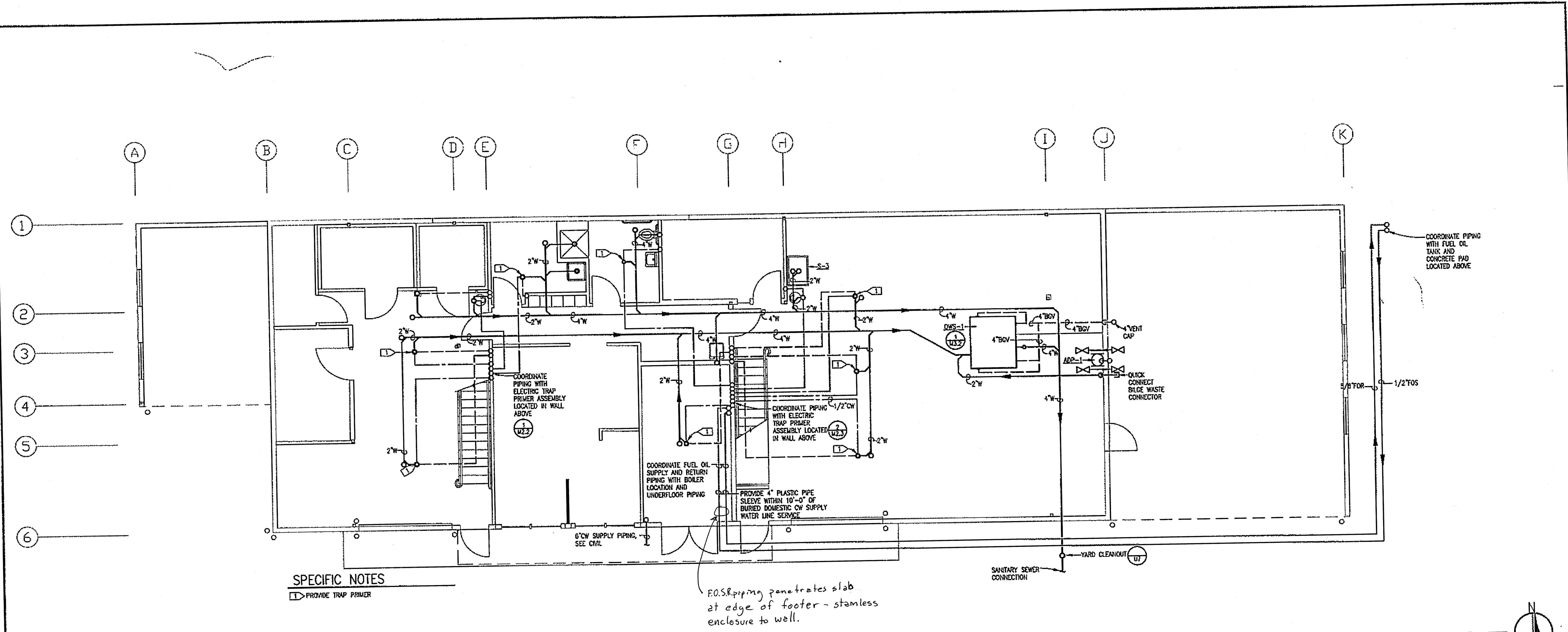


Revised Site Grading Plan

Auke Bay Fast Vehicle Ferry Support Facility
 Project No. 67763/SHAK-9500(103), 77433
 John Kajdan
 Project Engineer JSK 1/28/2010

As Built Plans Sheet 3 of 74





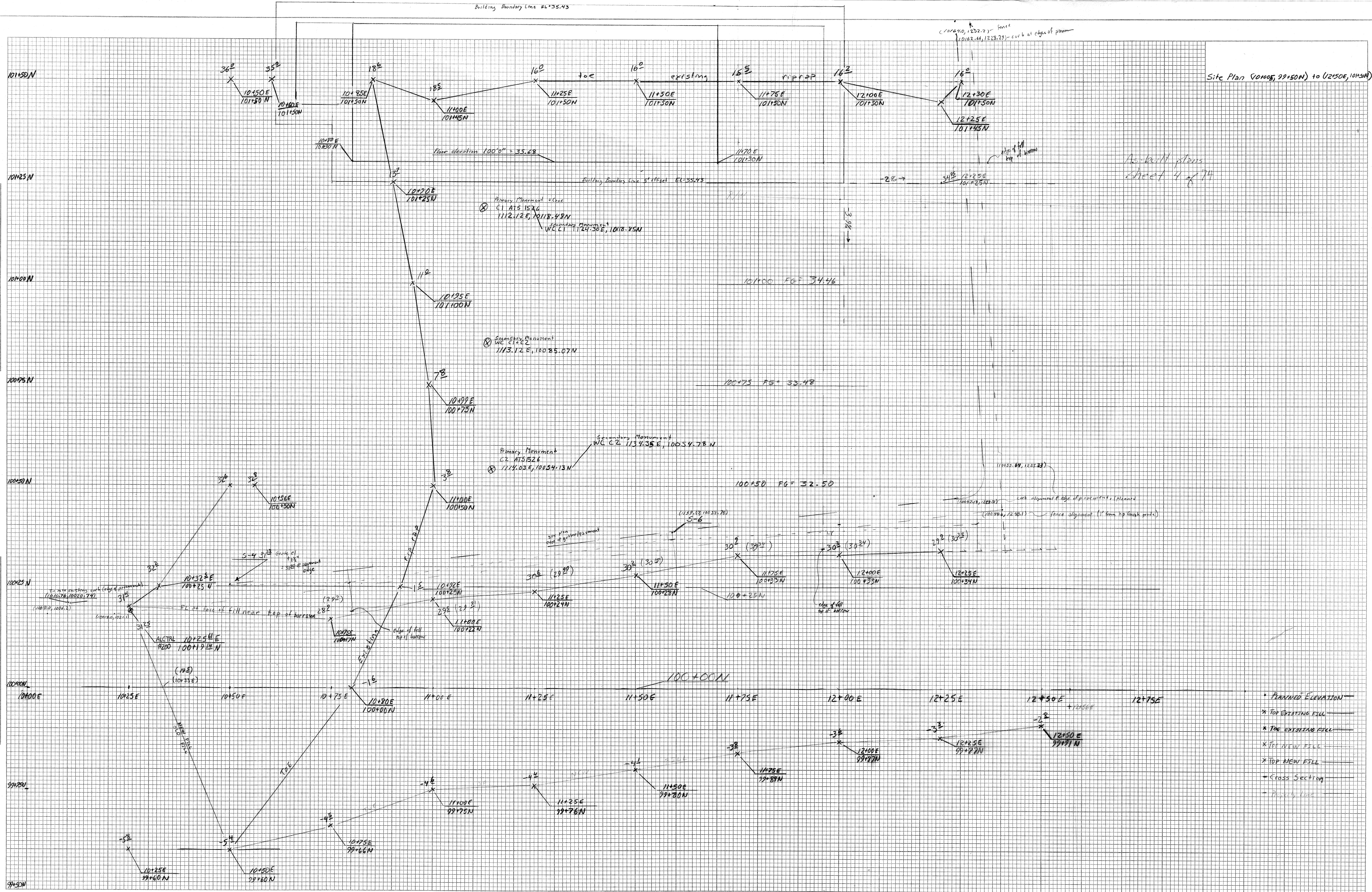
1 UNDERFLOOR AND BELOW GRADE PIPING PLAN
 M2.1 3/16" = 1' - 0"

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: FJK		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: FJK		JNU-AMHS-AUKE BAY FVF SUPPORT FACILITY BUILDING CONSTRUCTION UNDERFLOOR AND FUEL PIPING PLANS	
DRAWN BY: FJK			
PATH: P:\040708\AMACAD\040708 M201.DWG		KIELE, FLORIAN	
DATE: Thursday, November 1, 2007			
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	
		SHAK-9500(103) ~ 67763	2007
		SHEET NO. M2.1	TOTAL SHEETS 52

FINAL SURVEY	DATE
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
BY	
SURVEYED	
PLOTTED	
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AREAS CHECKED	



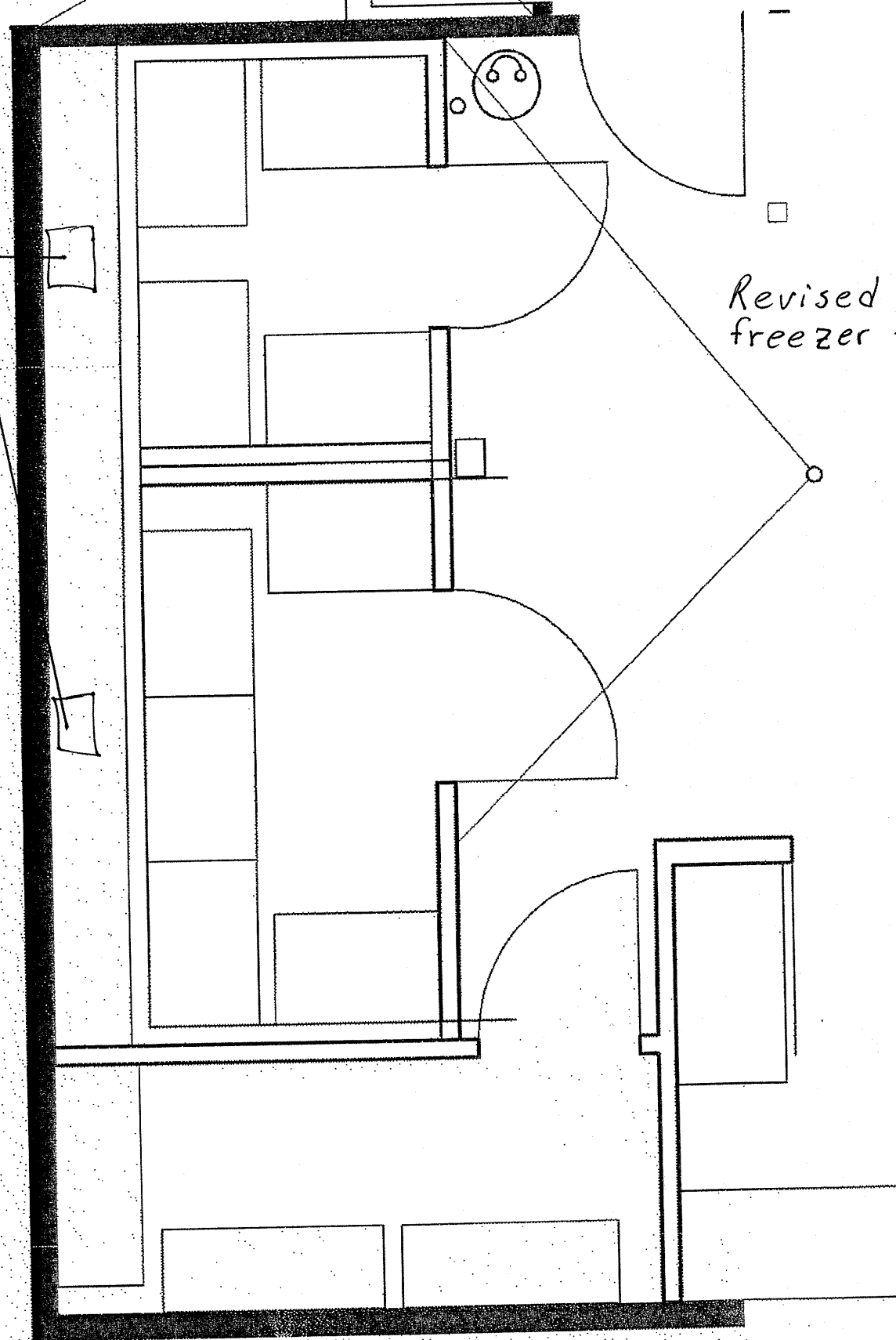
DCVR-48

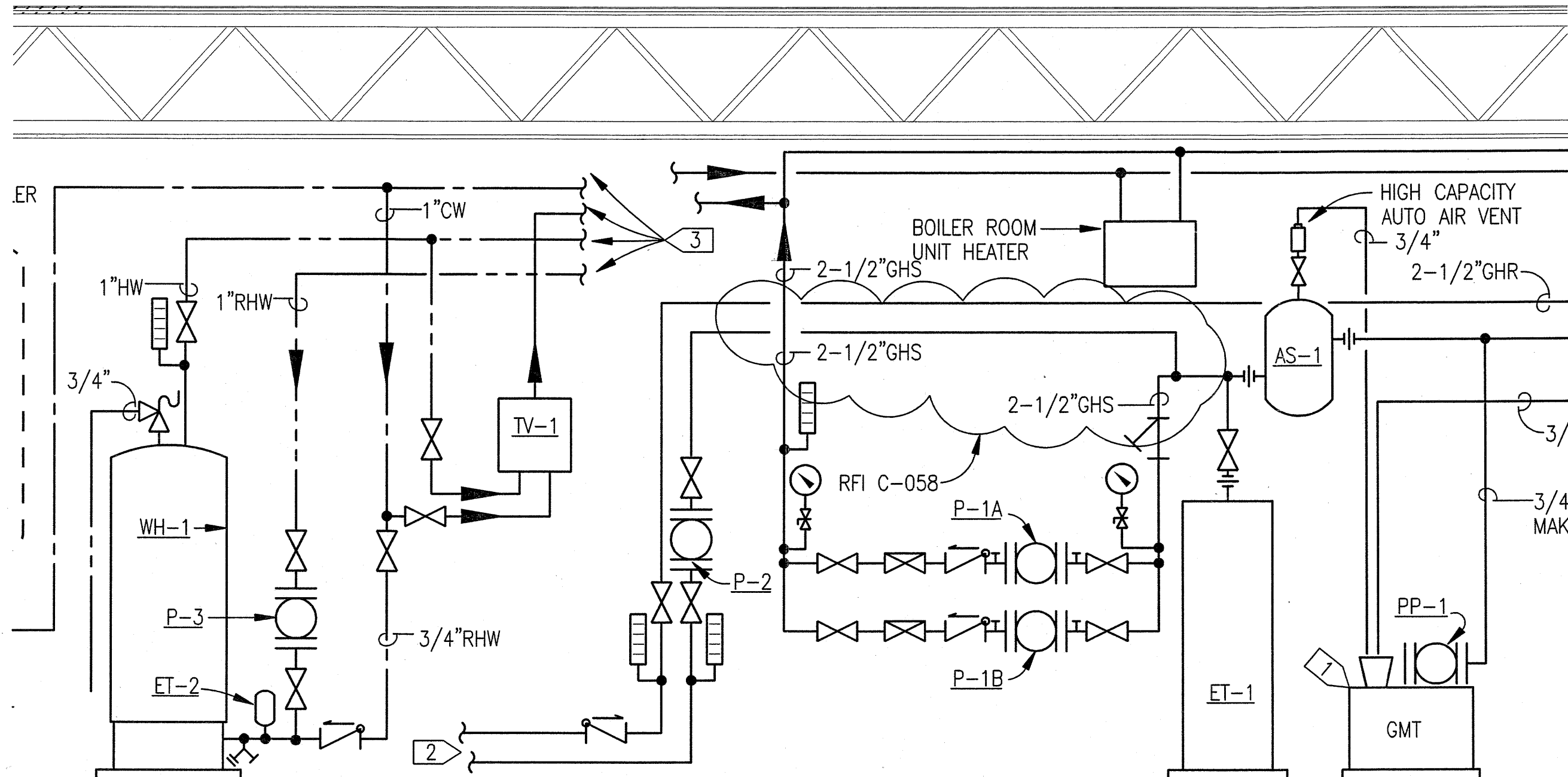
Auke Bay Fast Vehicle Ferry Support Facility
Project No. 67763/SHAK-9500(103), 77433
John Kajdan
Project Engineer JSK 1/28/2010

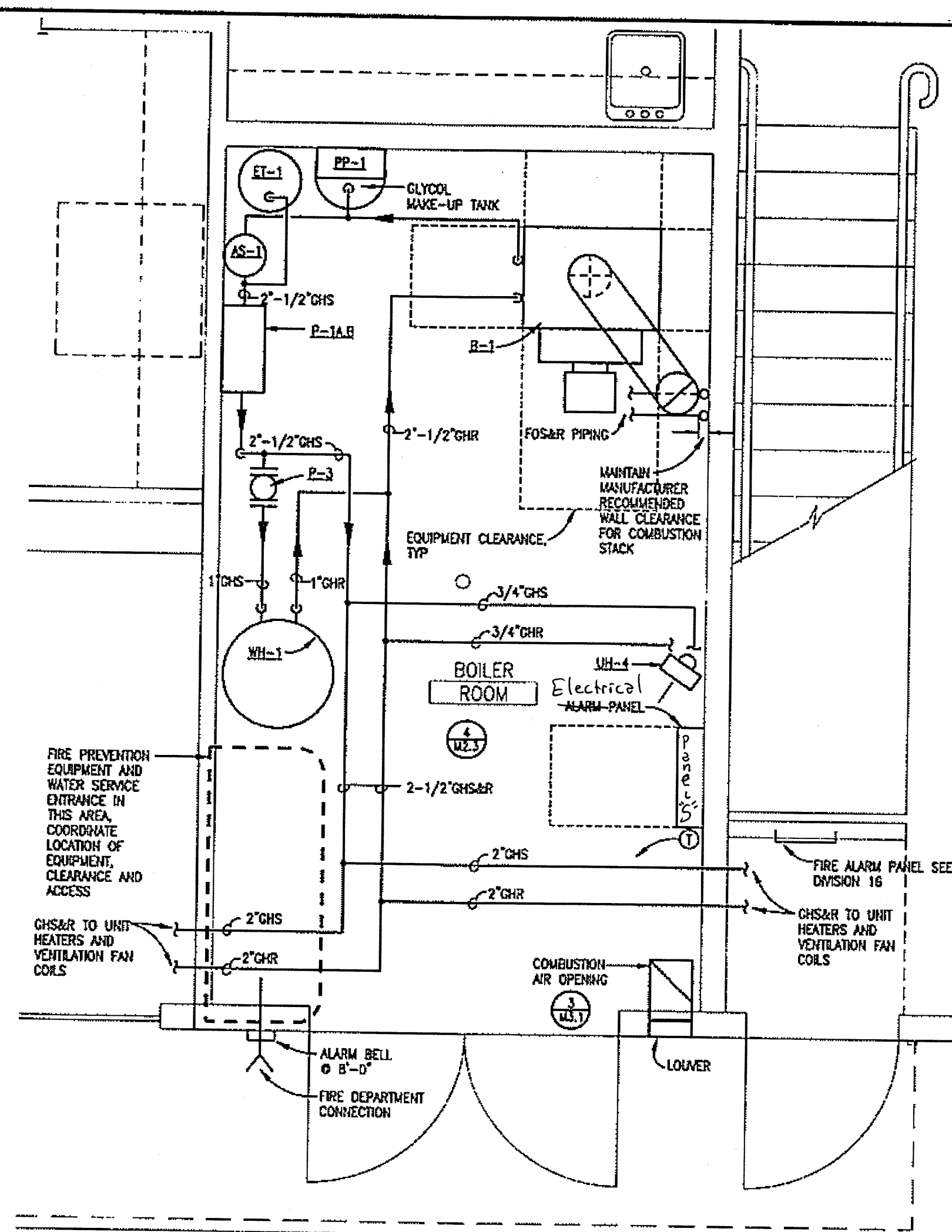
As Built Plans Sheet 32 of 74

Space for
structural
columns at
grids: C1+D1

Revised cooler
freezer floorplan

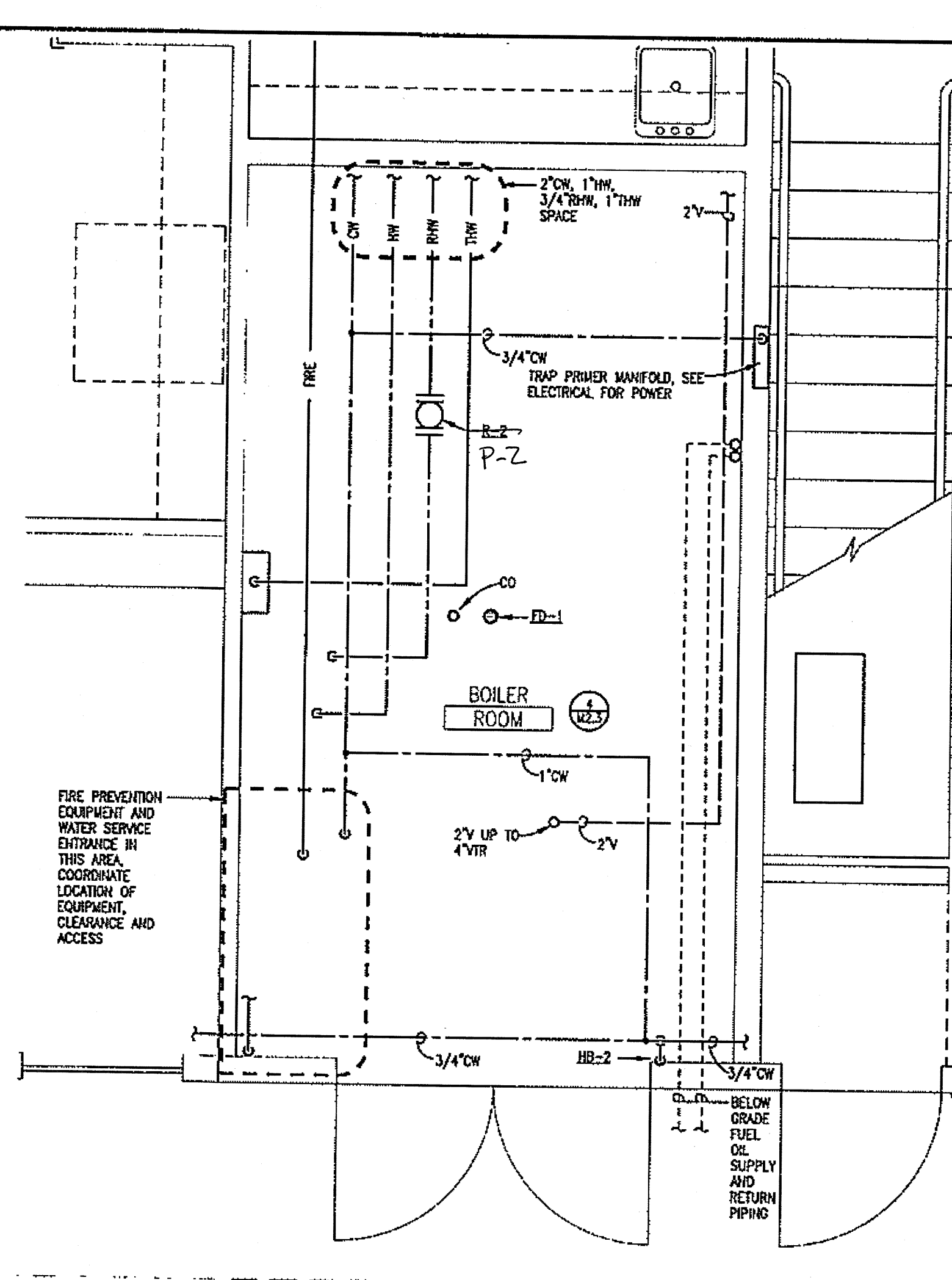






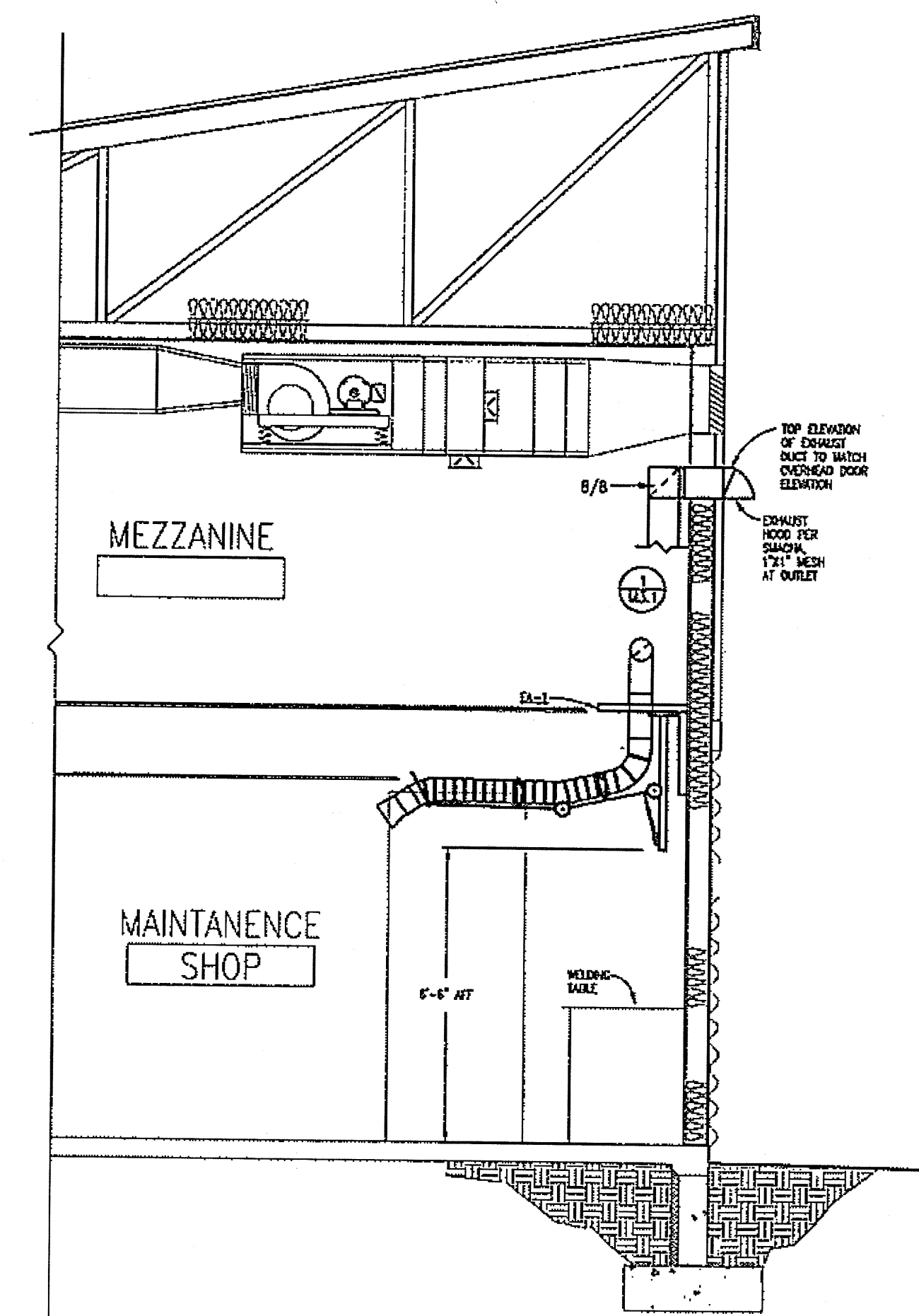
1 BOILER ROOM HYDRONIC PLAN

M2.3 1/2" = 1' - 0"



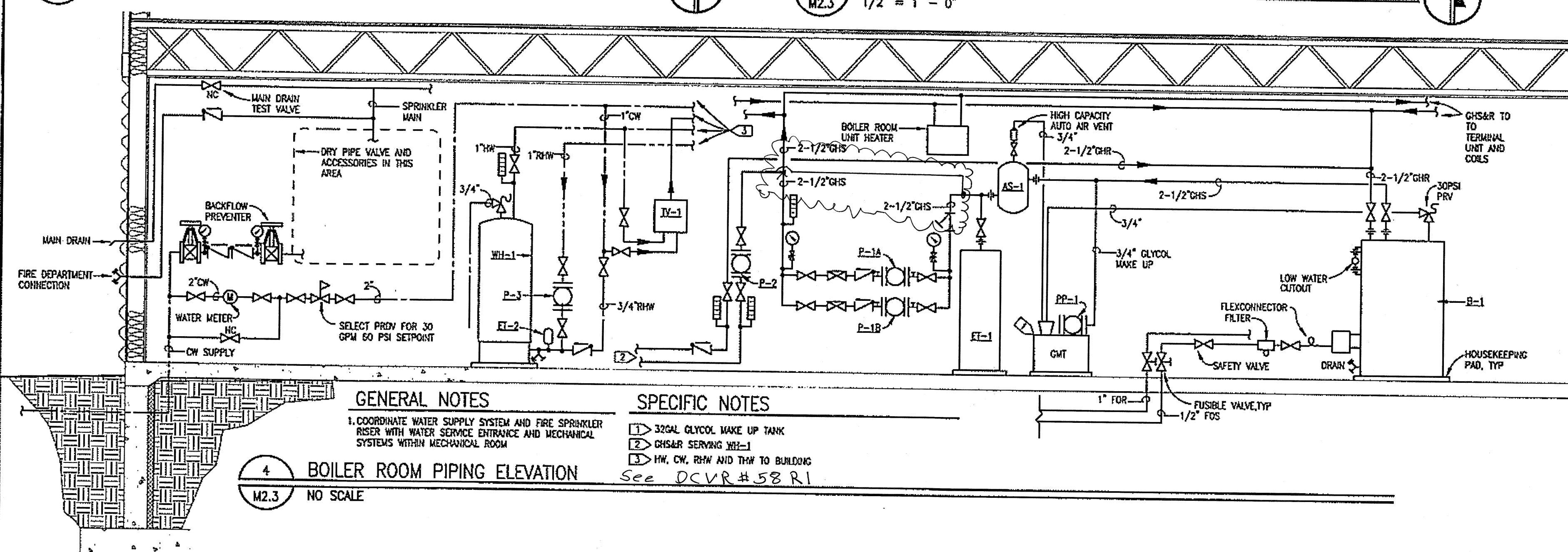
2 BOILER ROOM PIPING PLAN

M2.3 1/2" = 1' - 0"



3 WELDING EXHAUST FAN ELEVATION

M2.3 NO SCALE



4 BOILER ROOM PIPING ELEVATION

M2.3 NO SCALE

GENERAL NOTES

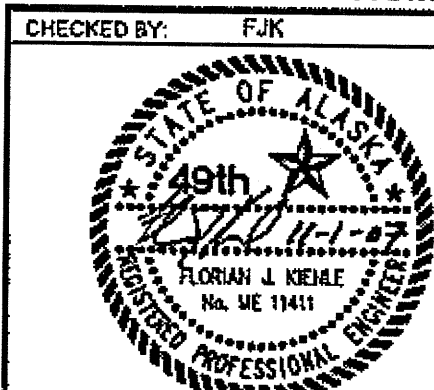
- COORDINATE WATER SUPPLY SYSTEM AND FIRE SPRINKLER RISE WITH WATER SERVICE ENTRANCE AND MECHANICAL SYSTEMS WITHIN MECHANICAL ROOM

SPECIFIC NOTES

- 30GAL GLYCOL MAKE UP TANK
- CHS&R SERVING WH-1
- HW, CW, RHW AND THW TO BUILDING

See DCVR #58 R1

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DESIGNED BY: FJK
 DRAWN BY: FJK

PATH: P:\040708\WACAD\040708 M203.DWG
 DATE: Thursday, November 1, 2007

KIENLE, FLORIAN

REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE				
		SHAK-9500(103) ~ 67763	2007	M2.3	52

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-AMHS-AUKE BAY
 FVF SUPPORT FACILITY
 BUILDING CONSTRUCTION

LARGE SCALE PLANS
 AND ELEVATIONS

Auke Bay Fast Vehicle Ferry Support Facility

Project No. 67763/SHAK-9500(103), 77433

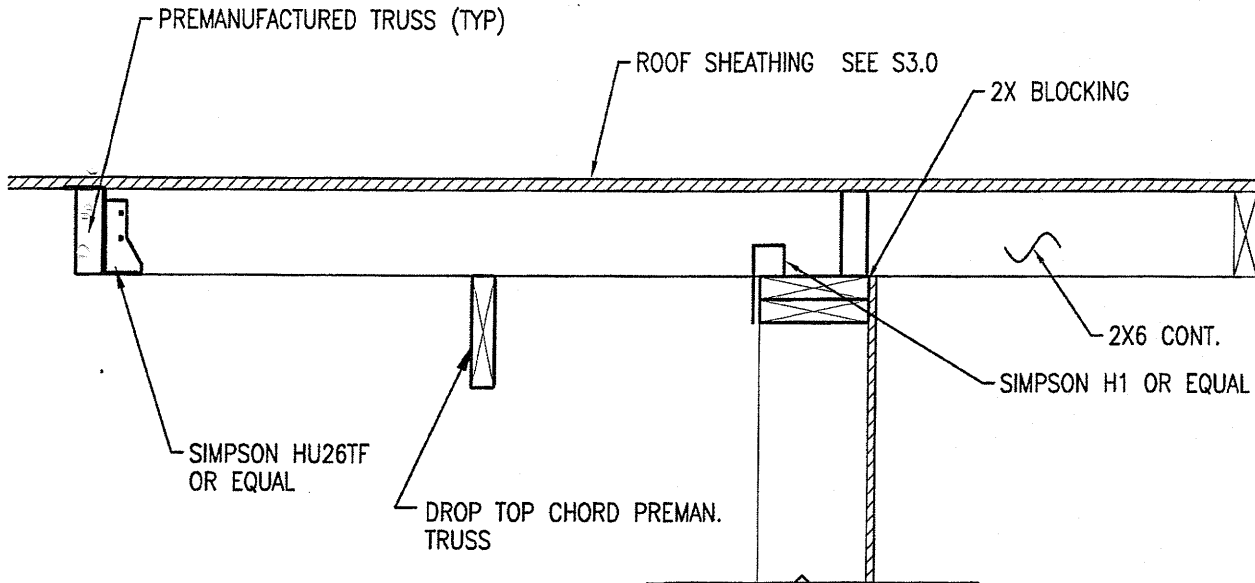
John Kajdan

Project Engineer

JSK 1/29/2010

DCVR-C23

As Built Plans Sheet 73 of 74

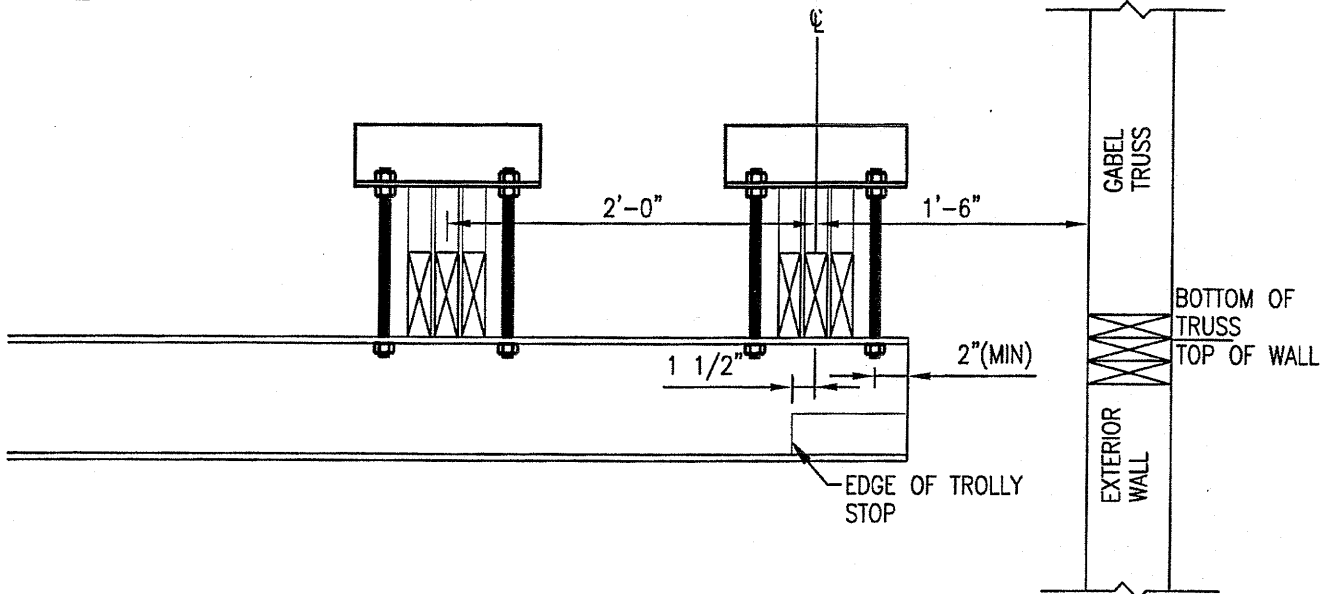


1

REPLACEMENT DETAIL FOR 15/S4.0

SD-23

NO SCALE



2

TROLLEY STOP LOCATION DETAIL

SD-23

NO SCALE

Design
Alaska

**JUNU-AMHS-AUKE BAY FVF SUPPORT
FACILITY BUILDING CONSTRUCTION**

DCVR-C-23_DRAWING

DR: JLW

CHK:

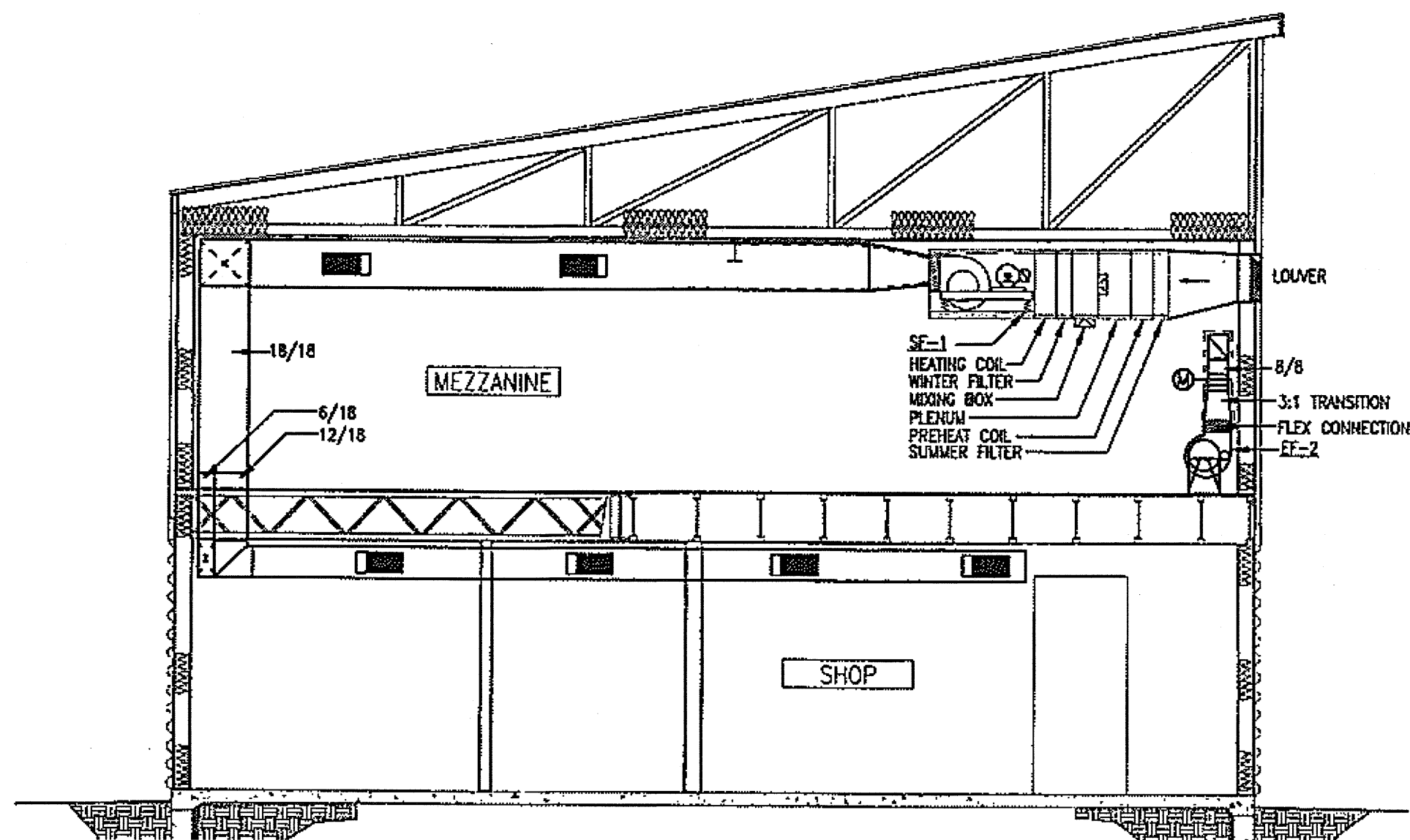
COMM.#

040708

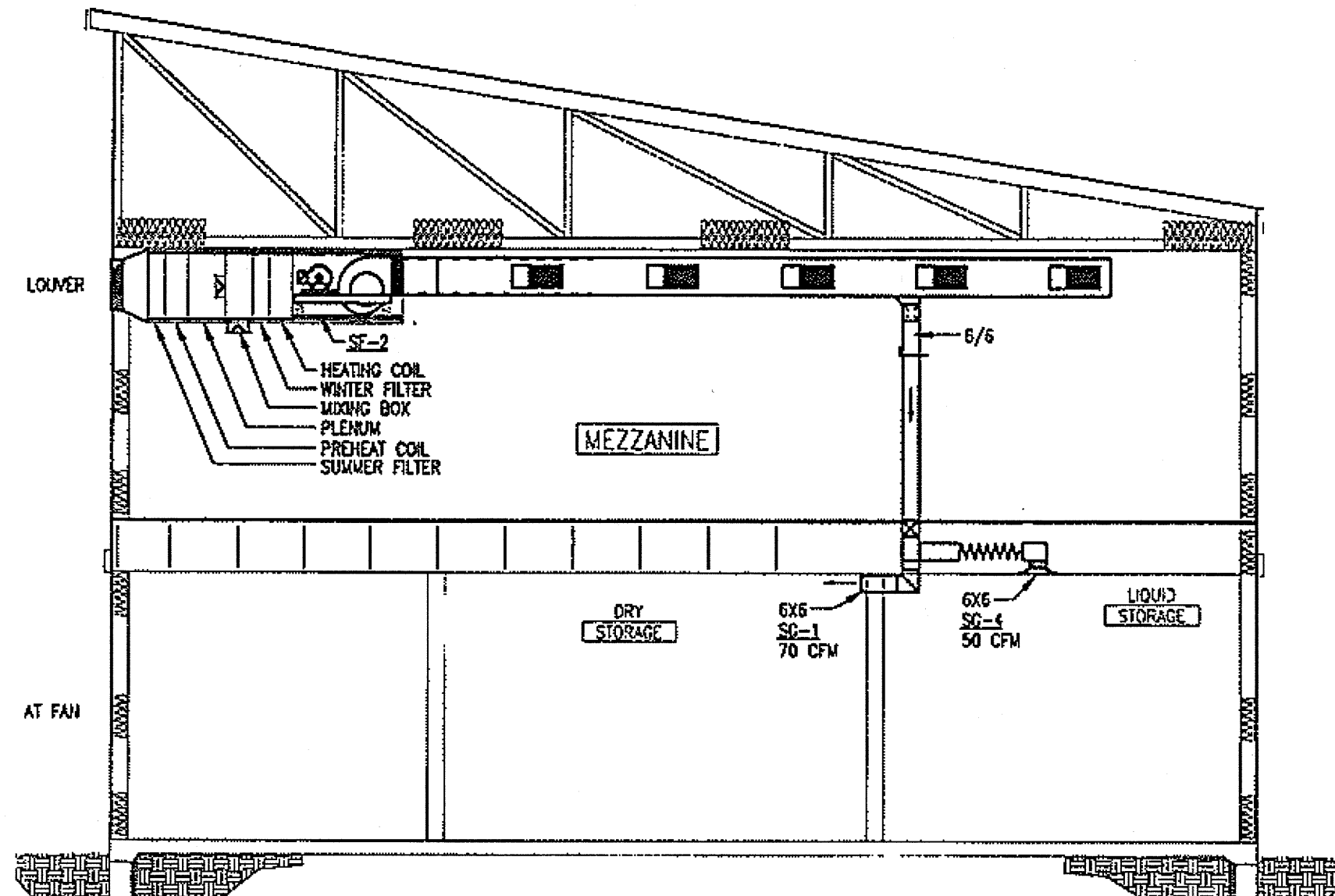
DATE: 22 JUL 2008

PAGE

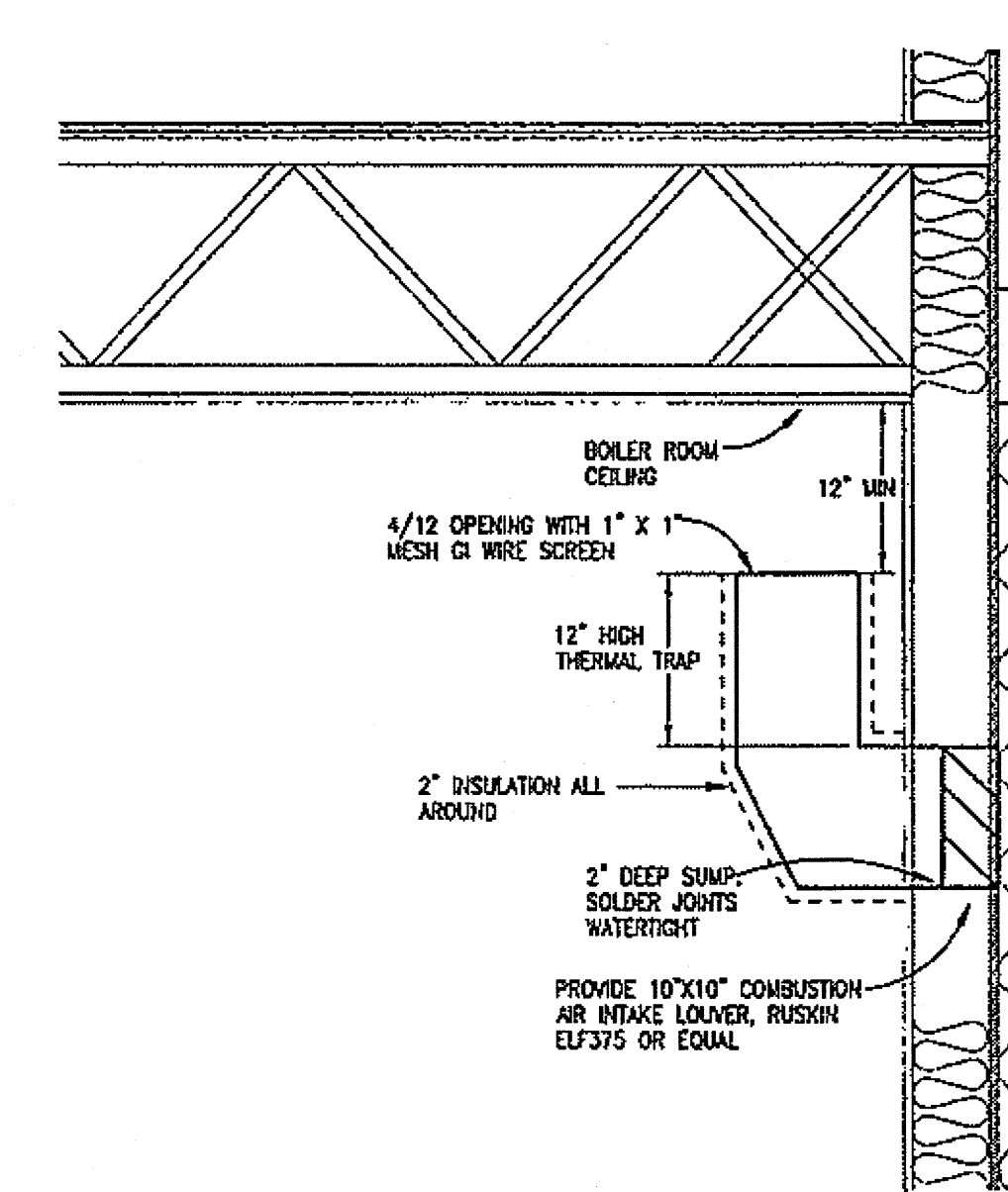
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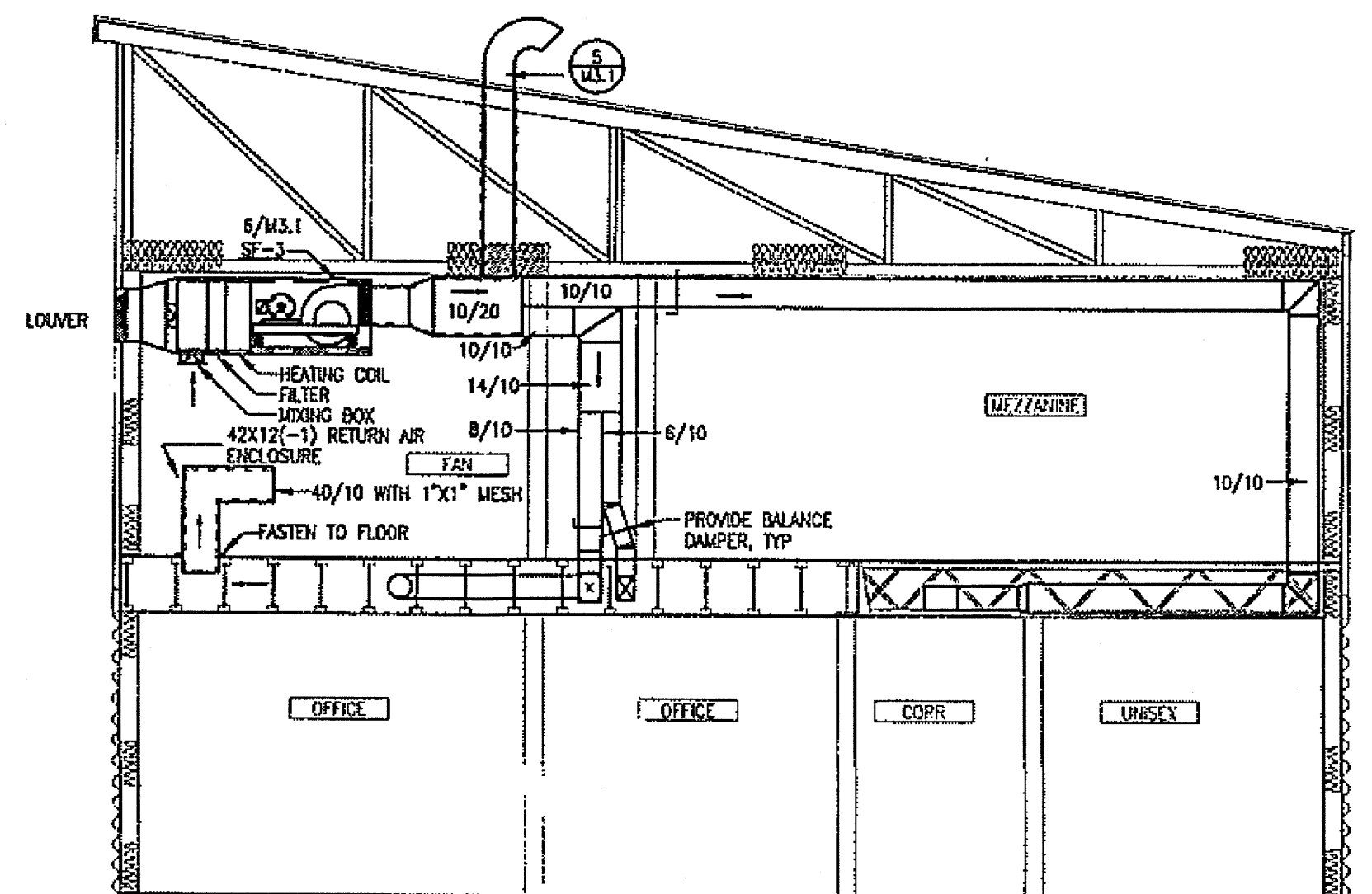
1 SF-1 INSTALLATION ELEVATION
 M3.1 NO SCALE



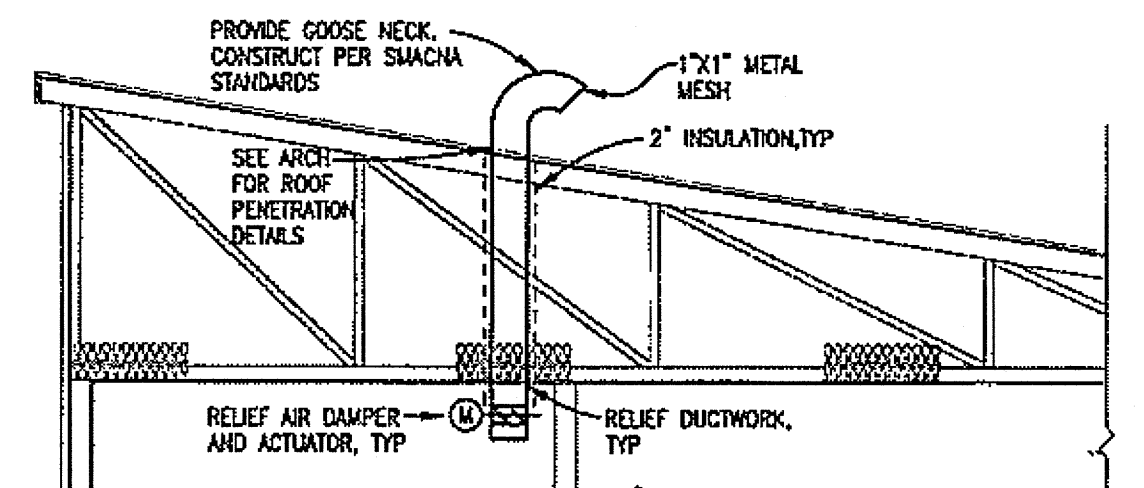
2 SF-2 INSTALLATION ELEVATION
 M3.1 NO SCALE



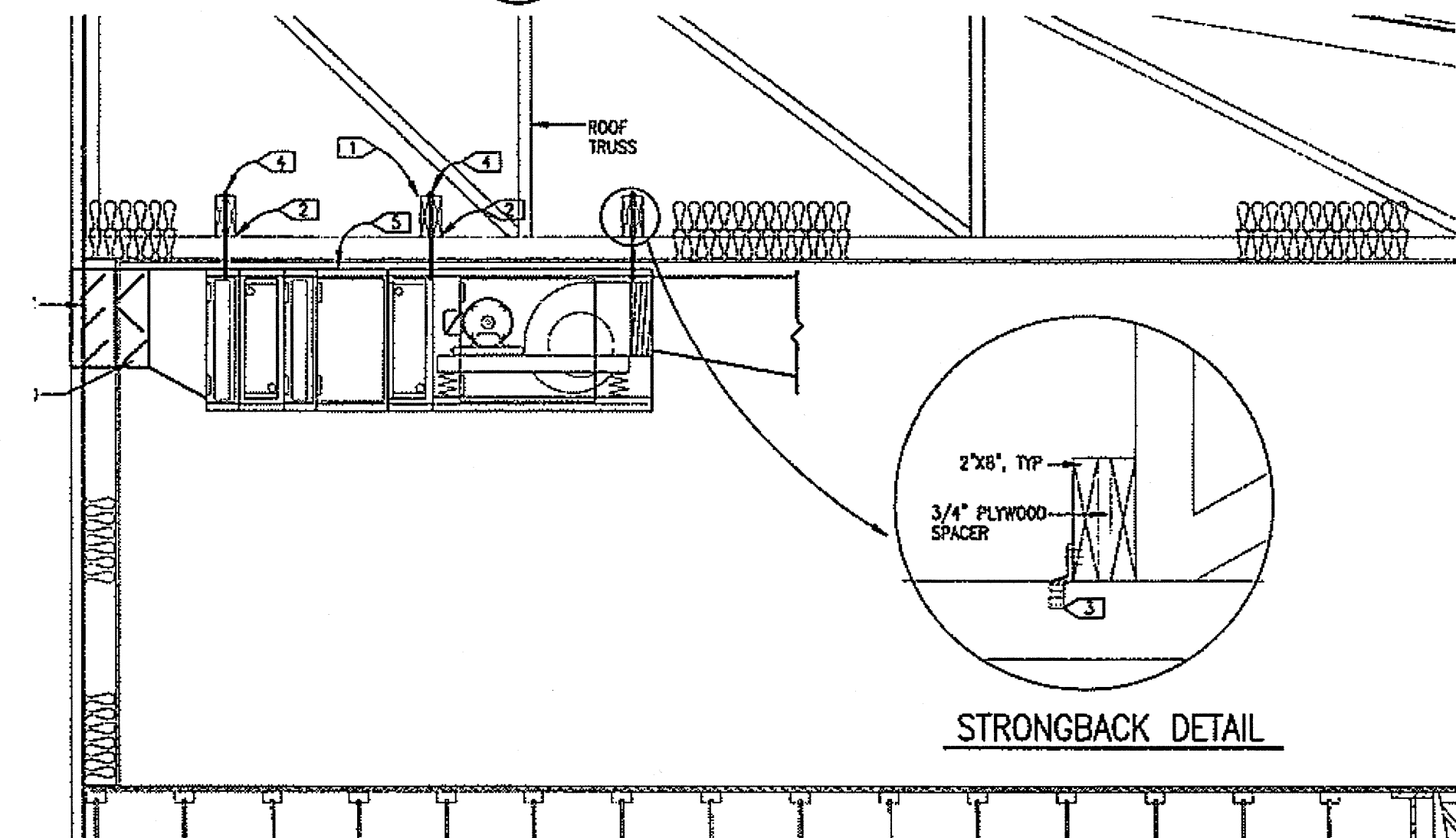
3 BOILER ROOM COMBUSTION AIR INTAKE DETAIL
 M3.1 NO SCALE



4 SF-3 INSTALLATION ELEVATION
 M3.1 NO SCALE



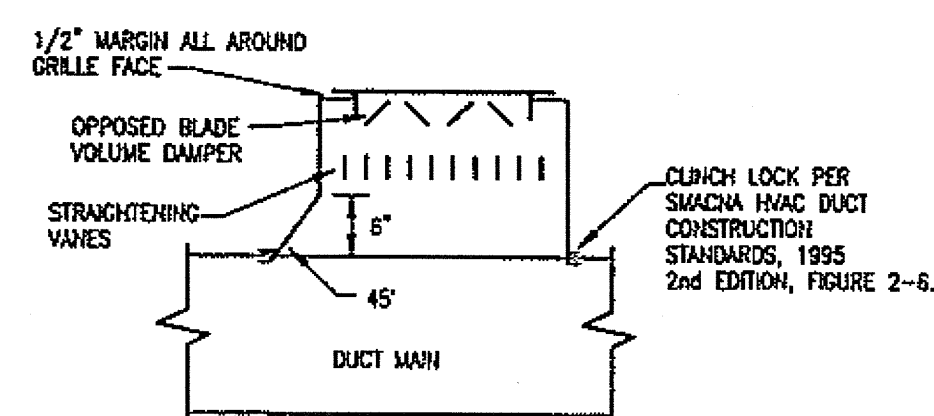
5 RELIEF DUCTWORK ELEVATION, TYPICAL
 M3.1 NO SCALE



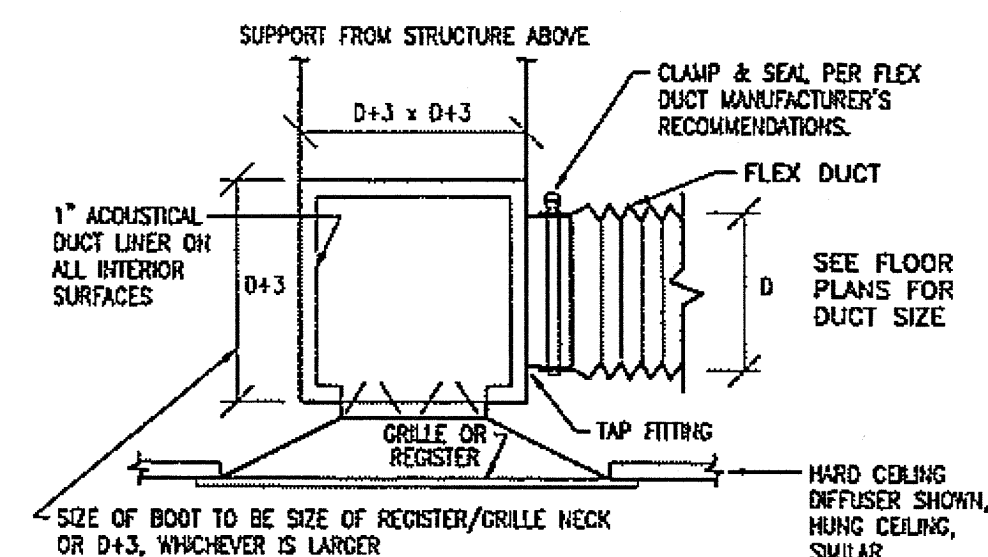
SPECIFIC NOTES

- 1> SUPPORT FAN FROM STRONGBACK SPANNING MINIMUM OF 3 LOWER TRUSS CHORDS
- 2> LOCATE STRONGBACK CLOSE TO PANEL POINT OF TRUSS
- 3> PROVIDE STRONGBACK ANCHOR AT EACH TRUSS CHORD CONNECTION, SIMPSON SEISMIC TIE, H SERIES
- 4> SUSPEND FAN WIDTH 1/2\"/>

6 FAN INSTALLATION ELEVATION, TYP
 M3.1 NO SCALE

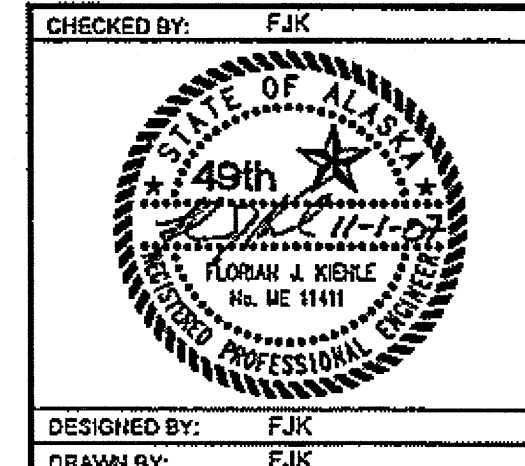


7 SHOE TAP DAMPER AND GRILLE
 M3.1 NO SCALE



8 DIFFUSER INSTALLATION, TYP
 M3.1 NO SCALE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



DESIGNED BY: FJK
 DRAWN BY: FJK
 DATE: Thursday, November 1, 2007

PATH: P:\40708\MACAD\40708 M301.DWG
 PROJECT DESIGNATION: SHAK-9500(103) ~ 67763

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-AMHS-AUKE BAY
 FVF SUPPORT FACILITY
 BUILDING CONSTRUCTION

VENTILATION ELEVATIONS
 AND DETAILS

NO.	DATE	REVISIONS DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
			2007	M3.1	52

Auke Bay Fast Vehicle Ferry Support Facility

Project No. 67763/SHAK-9500(103), 77433

John Kajdan

Project Engineer

JSK 1/29/2010

DCVR C-11

As Built Plans Sheet 71 of 74

Design
Alaska

PROJECT JNU-AMHS-AUKE BAY FVE SUPPORT FACILITY

COMM. NO. 040708

MADE BY M. C. DEAN

DATE 1-29-10

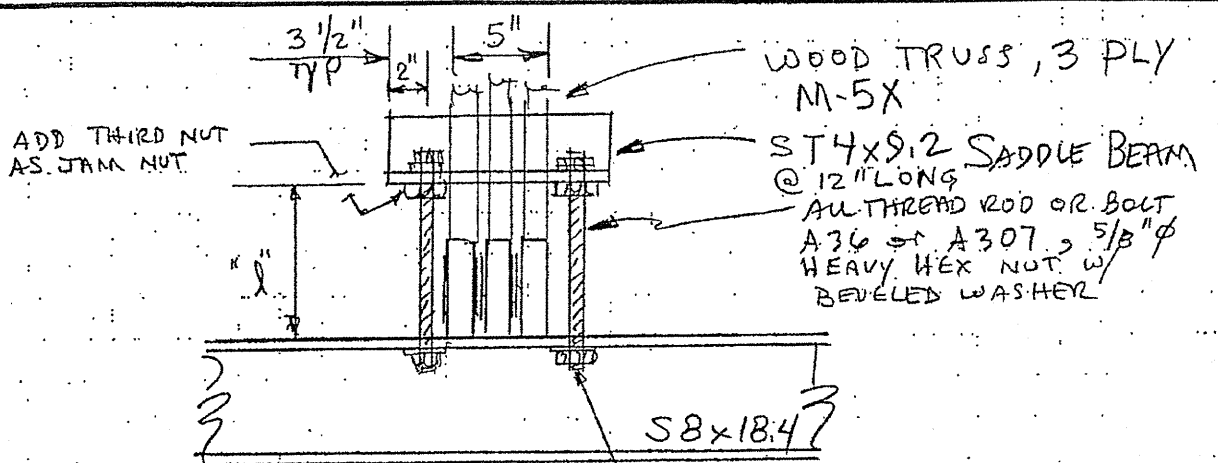
CHECKED BY

DATE

CALCULATIONS FOR

MONORAIL ATTACHMENT BRACKET

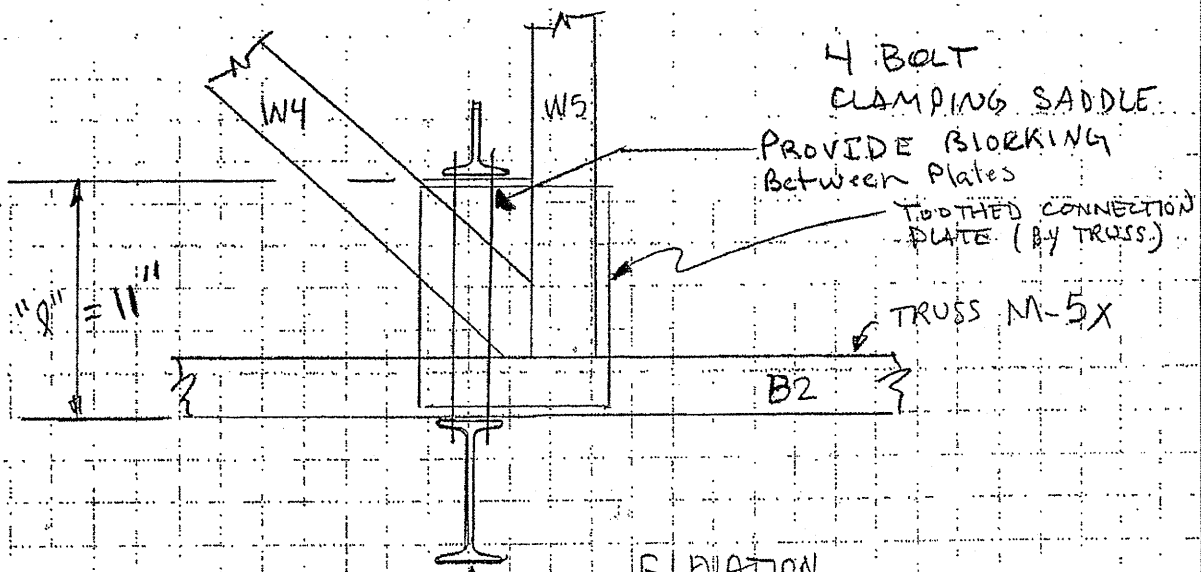
SHEET NO.



"l" dimension to be supplied by JUNEAU TRUSS

BOLT, OR TACK WELD NOT TO ROD.
1/16" ϕ HOLES FOR 5/8" ϕ BOLT

ELEVATION



ELEVATION

gage 2 1/4"