State of Alaska

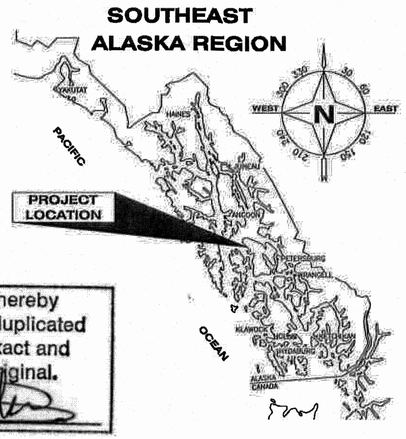
Department of Transportation and Public Facilities Southcoast Region

February 18, 2016

KAKE FERRY TERMINAL PASSENGER FACILITY

KAKE, ALASKA

PROJECT No. SAMHS00002/0939008



The undersigned hereby certifies that this duplicated document is an exact and true copy of the original.

Cody Sutton

As-Built Plans
Contractor: DAWSON Construction Inc.
Project Engineer: VAL BEAN
BEGIN WORK: APRIL 18, 2016
END WORK: SEPTEMBER 11, 2017

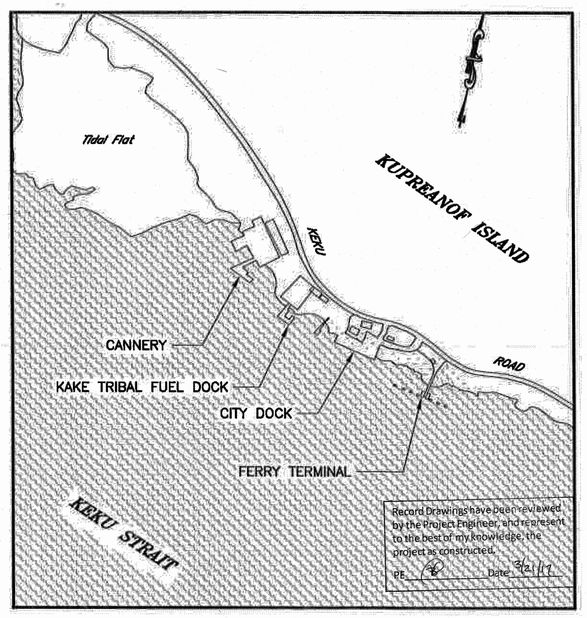
PROJECT INDEX
PROJECT SUMMARY
TITLE & ESTIMATE OF QUANTITIES (2 SHEETS)
PLANSETS
PLANSET A - UPLANDS (11 SHEETS)
PLANSET B - WAITING BUILDING & ELECTRICAL (35 SHEETS)

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT	
D-23.01	G-10.01
D-26.02	G-13.00
F-01.02	G-20.11
F-03.01	I-20.15
G-00.02	I-21.03
G-04.10S OR G-04.10W	I-30.10

TIDAL DATA	
HTL	+18.1'
MHW	+13.2'
MLLW	0.0'
ELW	-4.6'

PROJECT SUMMARY

SITE MAP



VICINITY MAP

PATH: \\DOTSERFS02\PROJECTS\KAE\69446\PLANSET\MF\SUMMARY\1_TITLE SHEET.DWG
TAB:1
Monday, August 24, 2015 7:50:30 AM
PLOT: PSPACE OR MSPACE: 1=1(F)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

STATE OF ALASKA 49th
JAMES D. OSBURN
CE-11014
REGISTERED PROFESSIONAL ENGINEER

APPROVED: _____ 11/6/15
REGIONAL PRE-CONSTRUCTION ENGINEER — DATE
FOR L. PAT CARROLL, P.E.

APPROVED: _____ 11/06/15
DIRECTOR OF DESIGN & CONSTRUCTION — DATE
SOUTHCOAST REGION
CHUCK CORREA, P.E.

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

CONSTRUCTION PROJECT MANAGER — DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SAMHS00002	2015	1	2

ESTIMATE OF QUANTITIES

ITEM #	ITEM DESCRIPTION	PAY UNIT	QTY.
	BASIC BID		
201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQ'D
201(9)	INVASIVE SPECIES CONTROL, REMOVAL, AND DISPOSAL	CONTINGENT SUM	ALL REQ'D
202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQ'D
202(13)	TERMINAL CLOSURE PRICE WITHHOLDING	CONTINGENT SUM	ALL REQ'D
203(7)	BORROW	CYVM	~~75~~ 80
203(19)	UPLAND IMPROVEMENTS	LUMP SUM	ALL REQ'D
603(21-18)	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	~~25~~ 34
604(5)	INLET, TYPE A	EACH	1
606(1)	W-BEAM GUARDRAIL	LINEAR FOOT	~~160~~ 5
~~606(13)~~	~~PARALLEL GUARDRAIL TERMINAL (ET-PLUS)~~ DELETED CO 1	~~EACH~~	~~2~~ 0
607(3)	CHAIN LINK FENCE	LINEAR FOOT	8
607(6)	WALK GATE	EACH	1
608(1A)	CONCRETE SIDEWALK, 4-INCHES THICK	SQUARE YARD	~~200~~ 203
608(6)	CURB RAMP	EACH	2
609(2A)	CURB AND GUTTER TYPE A	LINEAR FOOT	~~235~~ 249
609(2B)	CURB AND GUTTER TYPE B	LINEAR FOOT	~~103~~ 87
609(2C)	CURB AND GUTTER TYPE C	LINEAR FOOT	~~55~~ 45
615(1)	STANDARD SIGN	SQUARE FOOT	4.34
626(1)	SANITARY SEWER CONDUIT, 4- INCH	LINEAR FOOT	55
626(2)	SEWER SERVICE CONNECTION	EACH	1
626(3)	SANITARY SEWER CLEANOUT	EACH	1
627(1)	COPPER WATER CONDUIT, 2-INCH	LINEAR FOOT	~~85~~ 120
627(2)	DUCTILE IRON WATER CONDUIT, 6-INCH	LINEAR FOOT	~~120~~ 142
627(3)	WATER SERVICE CONNECTION	EACH	1
627(4)	FIRE HYDRANT INSTALLATION	EACH	1
627(5)	INSTALL GATE VALVE, 2-INCH	EACH	1
635(1)	INSULATION BOARD	SQUARE FOOT	24
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D
640(4)	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQ'D
641(1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D
641(3)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQ'D
641(5)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQ'D
641(6)	WITHHOLDING	CONTINGENT SUM	ALL REQ'D
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
644(1)	FIELD OFFICE	LUMP SUM	ALL REQ'D
662(1)	ELECTRICAL POWER AND LIGHTING SYSTEMS	LUMP SUM	ALL REQ'D
695(1)	WAITING BUILDING	LUMP SUM	ALL REQ'D
695(2)	PURSERS SHELTER	LUMP SUM	ALL REQ'D
	ALTERNATE A		
625(1)	HANDRAIL	LINEAR FOOT	230
611(1)	RIPRAP SLOPE REPAIR, CO 1	CYVM	150
662(1a)	Inside Passage Electrical Cooperative Fee	LUMP SUM CO 1	ALL REQ'D
662(1b)	Rewire Type E2, ER1 and X2 Light fixtures, CO 5	LUMP SUM	~~ALL~~ REQ'D
695(3)	Ice & Water Shield, CO 1	LUMP SUM	ALL REQ'D
695(4)	Flashing Support at Exterior Slab to Sidewalk, CO 5	LUMP SUM	ALL REQ'D
695(5)	Vandal Covers and Square D Core Switch, CO 5	LUMP SUM	ALL REQ'D

BASIS OF ESTIMATE

ITEM NO.	ITEM	UNIT	QUANTITY	FACTOR
203 (19)	UPLAND IMPROVEMENTS - INCLUDES THE FOLLOWING:			
	AGGREGATE BASE COURSE, GRADING D1	CUBIC YARD	120	
	SEED	SQUARE YARD	225	
	TOPSOIL	SQUARE YARD	225	
695(2a)	PURSER'S SHELTER HEATER, CO 6	LUMP SUM	ALL REQ'D	
695 (6)	PANEL A SWITCH KEY, CO 5	LUMP SUM	ALL REQ'D	
695(7)	SURFACE MOUNT RACEWAY, CO 5	LUMP SUM	ALL REQ'D	
695(9)	HEAVY DUTY WEATHER STRIPPING, CO 6	LUMP SUM	ALL REQ'D	
695(10)	WIND BREAKER, CO 6	LUMP SUM	ALL REQ'D	

ABBREVIATIONS

CL	CENTER LINE	MIN	MINIMUM
CYVM	CUBIC YARD VEHICLE MEASURE	MLLW	MEAN LOWER LOW WATER
BLDG	BUILDING	N	NORTHING
BP	BUILDING PIPE	NTS	NOT TO SCALE
CB	CATCH BASIN	OC	ON CENTER
CPP	CORRUGATED POLYETHYLENE PIPE	PC	POINT OF CURVATURE
CY	CUBIC YARD	PCC	POINT OF COMPOUND CURVE
DIA	DIAMETER	PL	PLATE
D.I.	DUCTILE IRON	PRC	POINT OF REVERSE CURVATURE
DWG	DRAWING	PT	POINT OF TANGENCY
E	EASTING	PVC	POLYVINYL CHLORIDE
ELEV	ELEVATION	R	RADIUS
△	DELTA	RT	RIGHT
GAL	GALLON	SHT	SHEET
HTL	HIGH TIDE LINE	STA	STATION (100 FT.)
L	LENGTH	SY	SQUARE YARD
LBS	POUNDS	T	TANGENT
LF	LINEAR FEET	TEL	TELEPHONE
LT	LEFT	TYP	TYPICAL
MAX	MAXIMUM		

REFERENCE LEGEND

ELEVATION VIEW — X / * — X / *

SECTION VIEW — X / * — X / *

VIEW TITLE — X / * — **VIEW NAME** / **VIEW DESCRIPTION**

DETAIL CALLOUT — X / *

DRAWING TITLE/ SUBTITLE — **DRAWING TITLE** / **DRAWING DESCRIPTION**

DETAIL TAG — X / *

NOTES:
* SHEET NUMBER WHERE REFERENCE IS LOCATED WHEN ON A DIFFERENT SHEET OR DASH MARK WHEN REFERENCE IS ON THE SAME SHEET

GENERAL NOTES

1. AMHS FERRY SERVICE SCHEDULE, LOADING AND UNLOADING OPERATIONS SHALL BE UNINTERRUPTED BY CONSTRUCTION WORK.
2. TYPICAL SECTIONS AND TRANSITIONS MAY BE MODIFIED BY THE ENGINEER WHERE REQUIRED TO ACCOMMODATE EXISTING FIELD CONDITIONS.
3. DRAINAGE INLETS, PIPE LENGTHS AND LOCATIONS ARE SUBJECT TO FIELD VERIFICATIONS AND REVISIONS BY THE ENGINEER.
4. REFER TO STANDARD DRAWINGS FOR DETAILS NOT SHOWN.
5. REFERENCE APPENDIX B AND SECTION 641 OF THE SPECIFICATIONS FOR ALL PERTINENT ENVIRONMENTAL WORK RESTRICTIONS.
6. LOCATION OF NEW SEWER AND WATER UTILITIES MAY VARY FROM LOCATIONS SHOWN ON THE PLANS. THE CONTRACTOR SHALL FIELD VERIFY AND COORDINATE EXACT LOCATIONS OF NEW UTILITY FEATURES (ANGLE POINTS, VALVES, ETC.) WITH THE ENGINEER AND THE CITY OF KAKE.

CONSTRUCTION CONSIDERATIONS

1. THE CONTRACTOR SHALL STAGE/SCHEDULE THE PROJECT SUCH THAT VEHICLE PARKING (8 VEHICLE SPACES) AND STAGING AREAS (10 VEHICLE SPACES), EITHER EXISTING, PERMANENT OR TEMPORARY ARE PROVIDED AT ALL TIMES. THE CONTRACTOR SHALL ALSO PREPARE A TEMPORARY STAGING/PARKING AREA PLAN, PER SECTION 690, WHEN EXISTING OPERATIONAL FACILITIES WILL BE CLOSED DURING CONSTRUCTION ACTIVITIES.
2. THE CONTRACTOR MAY STAGE EQUIPMENT ON ANY PART OF STATE OF ALASKA PROPERTY SO AS LONG IT DOES NOT IMPACT TEMPORARY OR PERMANENT STAGING AND PARKING AREAS FOR AMHS PASSENGERS.
3. REFER TO PROJECT #68238 PLANS FOR EXISTING ELECTRICAL DETAILS. COORDINATE ALL POWER DISRUPTIONS TO THE RAMP/APRON LIFT SYSTEM WHEN VESSELS ARE NOT SCHEDULED TO BE IN PORT. INSURE THAT PERMANENT OR TEMPORARY POWER IS RESTORED TO THE RAMP/APRON LIFT MOTORS AND THAT THE TRANSFER BRIDGE IS FULLY FUNCTIONAL A MINIMUM OF ONE-HOUR BEFORE SCHEDULED VESSEL ARRIVALS.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE (8) Date 3/21/17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: J. OSBURN
DRAWN BY: STAFF
CHECKED BY: STAFF

STATE OF ALASKA
JOEL D. OSBURN
CE-11014
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY

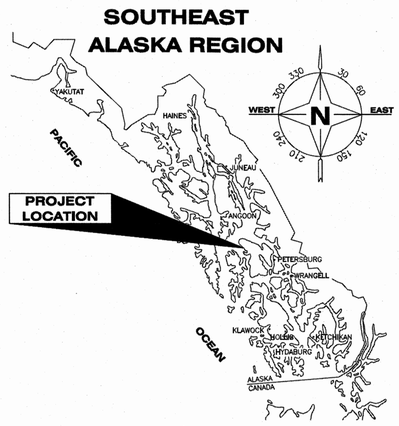
ESTIMATE OF QUANTITIES AND GENERAL NOTES

PATH: \\DOTSERFS02\PROJECTS\KAE\69446\PLANSET\MF\SUMMARY\2_ESTIMATE.DWG
TAB: 2 Friday, November 06, 2015 8:47:01 AM OSBURN, JOEL D (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SFHMS00002	2015	2	2

State of Alaska

Department of Transportation and Public Facilities Southcoast Region



SHEET INDEX	
SHEET NO.	**DESCRIPTION**
1	TITLE SHEET
2	SURVEY CONTROL SHEET
3	EXISTING SITE & DEMOLITION PLAN
4	PROPOSED SITE PLAN
5	SITE LAYOUT PLAN
6	LAYOUT POINTS
7	TYPICAL SECTIONS
8	MISCELLANEOUS DETAILS
9–10	UTILITY DETAILS
11	PURSERS SHELTER

KAKE FERRY TERMINAL PASSENGER FACILITY

KAKE, ALASKA

PROJECT No. SAMHS00002

PLANSET A:

UPLANDS

Record Drawings ~~have been reviewed~~ by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE _____ Date 3/21/17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. OSBURN

STATE OF ALASKA · 49th · JOEL D. OSBURN · CE-11014 · REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: STAFF

DRAWN BY: STAFF

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY PLANSET A

TITLE SHEET

PATH: \\DOTSERFS02\PROJECTS\KAE\69446\PLANSET\MF\PLANSET A\1_TITLE SHEET.DWG

TAB: 1 Monday, November 02, 2015 11:15:58 AM OSBURN, JOEL D (DOT)

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	1	11

LOCAL SYSTEM COORDINATES				
Point #	Northing	Easting	Elevation	Description
47	503210.95	295115.48	66.52	GPS_ALCTRL2"_47
48	502178.18	295364.82	30.18	GPS_ALCTRL2"_48
49	501747.37	295915.69	30.90	GPS_ALCTRL2"_49

NAD83(92) GEOGRAPHIC			
Point #	Latitude	Longitude	Description
47	N56° 57' 58.6114"	W133° 55' 31.0274"	GPS_ALCTRL2"_47
48	N56° 57' 48.4444"	W133° 55' 26.4592"	GPS_ALCTRL2"_48
49	N56° 57' 44.2198"	W133° 55' 16.4939"	GPS_ALCTRL2"_49

All **SURVEY CONTROL** monuments in this table are provided strictly for survey control. Should any of them be destroyed during construction they **shall NOT** be replaced.

HORIZONTAL CONTROL

Horizontal Control for this project is based on the AK DOT/PF Kake Grid.

It relates to AKSPC Zone 1 NAD83 (92) through the following parameters:
Grid Scale = 0.99990134
Rotation = 0.0000
Translation about DOT/PF control point 49 as follows:
AKSPC Northing = 1873115.82 FT US
AKSPC Easting = 2635136.37 FT US
Local Northing = 501747.38 FT US
Local Easting = 295915.69 FT US

Project Specific Basis of Horizontal Control

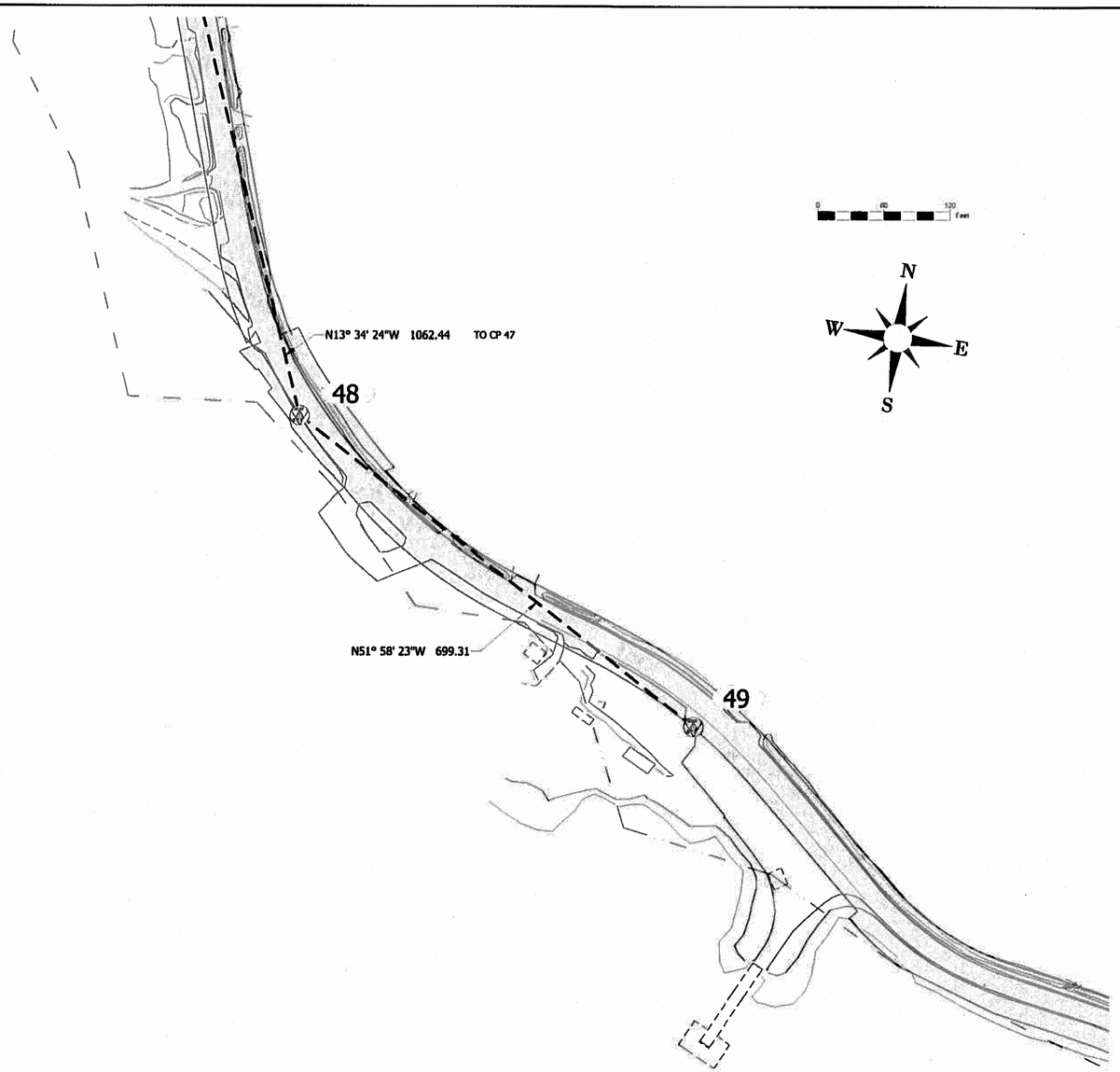
47 - 2" Aluminum cap on rebar. Stamped "AK DOT & PF 47"

48 - 2" Aluminum cap on rebar set 0.4ft from edge of pavement at the top of wood stairs opposite fuel
farm at cannery. Stamped "AK DOT & PF 48"

49 - 2" Aluminum cap on rebar set 1.8ft from edge of pavement at NW side of apron to ferry terminal
entrance. Stamped "AK DOT & PF 49"

VERTICAL CONTROL

The Vertical Datum for Kake Grid is Mean Lower Low Water = 0.00 ft based on National Ocean Service Benchmark Tidal Benchmark series 9451528. See http://www.co-ops.nos.noaa.gov/stations.html?type=Bench+Mark+Data+Sheets for details.



KAKE FERRY TERMINAL

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE _____ Date 3/21/17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

MONUMENT NOTES:

1. If any pair of control points disagrees from published value by more than 1:10,000 horizontally or vertically then a third network point must be tied to ascertain which point is in error or has been disturbed.

2. Whether listed or not, all monuments, property markers, or accessories that will be disturbed or buried shall be referenced prior to being disturbed, and re-established in their original position and a record of monument form in accordance with A.S.34.65.040 shall be submitted to the construction engineer for review prior to recording. Coordinate values listed are for informational purposes and should be used to reset monuments only as a last resort.

CHECKED BY: DMI
STATE OF ALASKA 49TH Daniel M. Ignotov No. 11296 REGISTERED PROFESSIONAL LAND SURVEYOR 8-20-15
DESIGNED BY: DMI
DRAWN BY: DMI

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET A

SURVEY CONTROL SHEET

PATH: Q:\KAE\69446\SV\69446_A2.DWG
TAB: A2 Thursday, August 20, 2015 11:02:46 AM IGNOTOV, DANIEL M (DOT)

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAHMS00002	2015	2	11

PHOTO 1: EXISTING WAITING SHELTER

PHOTO 2: EXISTING DEBRIS

KEKU STRAIT

TRACT A, ATS 903
ADL 103781 (LEASE) &
106303 (CONVEYANCE)
CITY OF KAKE

TRACT B, ATS 903
ADL 59716 (ILMT)
DNR, OWNER
DOT & PF, MANAGEMENT

EXISTING TRANSFER BRIDGE

EXISTING BRIDGE GATE

EXISTING UNPAVED AREA

40' GUARDRAIL TO REMAIN

210' EXISTING GUARDRAIL TO REMOVE

EXISTING TOP OF SLOPE

EXISTING ELECTRICAL TRANSFORMER

EXISTING LIGHT POLE TO REMOVE (SEE PLANSET B)

EXISTING WAITING SHELTER & PIPE BOLLARDS TO REMOVE (SEE PHOTO 1)

EXISTING SANITARY SEWER SERVICE STUB-OUT (APPROX. LOCATION)

EDGE OF EXISTING ROADWAY

TO BOAT HARBOR

KEKU ROAD

PORTION LOT 5,
USS 3852
STATE OF ALASKA,
DOT & PF

EXISTING DEBRIS TO REMOVE (SEE PHOTO 2)

(APPROX.) LIMITS OF KNOTWEED TO BE REMOVED

EXISTING SANITARY SEWER MANHOLE.

EXISTING WATER SERVICE VALVE

EXISTING 500 GAL. PROPANE TANK TO REMAIN

EXISTING LIGHT POLE

ACCESS ROAD

EXISTING 8"ø D.I. SANITARY SEWER SERVICE

EXISTING 12"ø HDPE WATER MAIN

EXISTING 8"ø WATER SERVICE & VALVE

TO KAKE

EXISTING 6"ø D.I. WATER SERVICE

PORTION LOT 5,
USS 3852
CITY OF KAKE

PORTION LOT 5,
USS 3852
STATE OF ALASKA,
DOT & PF

LEGEND

- EXISTING PROPERTY LINE
- ROW RIGHT OF WAY LINE
- OHE OVERHEAD ELECTRIC POWER LINE
- EXISTING ASPHALT PAVEMENT
- EXISTING UNPAVED AREA
- EXISTING LAWN

20' 0 20' 40'
GRAPHIC SCALE (FT)

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE _____ Date 3/21/17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. OSBURN

STATE OF ALASKA
JOEL D. OSBURN
CE-11014
REGISTERED PROFESSIONAL ENGINEER
49th

DESIGNED BY: STAFF
DRAWN BY: STAFF

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET A

EXISTING SITE AND DEMOLITION PLAN

PATH: \\DOTSERFS02\PROJECTS\KAE\69446\PLANSET\MF\PLANSET A\3_EXISTING & DEMO PLAN.DWG
TAB: 3 Thursday, November 05, 2015 2:42:18 PM OSBURN, JOEL D (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	3	11

KEKU STRAIT

TRACT B, ATS 903
ADL 59716 (ILMT)
DNR, OWNER
DOT & PF, MANAGEMENT

TRACT A, ATS 903
ADL 103781 (LEASE) &
106303 (CONVEYANCE)
CITY OF KAKE

PORTION LOT 5,
USS 3852
STATE OF ALASKA,
DOT & PF

EXISTING UNPAVED AREA

NEW HANDRAIL
(ALTERNATE A)

TOPSOIL AND SEED

NEW WAITING BUILDING,
SEE PLANSET B

6'-HIGH CHAIN LINK FENCE WITH GATE
AROUND HEAT PUMP

NEW 2"ø WATER
VALVE

18"ø CPP STORM DRAIN

FIRE HYDRANT

2"ø COPPER WATER
SERVICE, 85' LONG

NEW STD. W-BEAM
GUARDRAIL END

NEW PURSERS SHELTER

NEW 4" CONCRETE SIDEWALK,
CURB AND GUTTER

NEW CURB ISLAND

NEW 4"ø SANITARY
SEWER SERVICE

PARALLEL GUARDRAIL
END TREATMENT, TYP
EACH END

SANITARY SEWER
CLEANOUT

PVC LINES (CAPPED)

FUTURE PARKING
SPACE, TYP. (11 EA.),
NOT INCLUDED

NEW LIGHT POLE,
SEE PLANSET B
(RFI 15)

NEW W-BEAM GUARDRAIL

AGGREGATE BASE COURSE,
GRADING D1

EDGE OF EXISTING
PAVEMENT

EXISTING 8"ø D.I.
SANITARY SEWER SERVICE

6"ø DI WATER
SERVICE, 120' LONG

EXISTING 8"ø
WATER SERVICE
& VALVE

12" HDPE WATER MAIN, BY
ALASKA NATIVE TRIBAL HEALTH
CONSORTIUM

KEKU ROAD

TO BOAT HARBOR

TO KAKE

PORTION LOT 5,
USS 3852
STATE OF ALASKA,
DOT & PF

PORTION LOT 5,
USS 3852
CITY OF KAKE

LEGEND

- LIMITS OF FILL
- EXISTING PROPERTY LINE
- ROW — RIGHT OF WAY LINE
- OHE — OVERHEAD ELECTRIC POWER LINE
- EXISTING UNPAVED AREA
- EXISTING PAVEMENT (TO REMAIN)
- NEW AGGREGATE BASE COURSE, GRADING D1
- TOPSOIL AND SEED

20' 0 20' 40'
GRAPHIC SCALE (FT)

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE _____ Date 3/21/17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. OSBURN

STATE OF ALASKA
JOEL D. OSBURN
CE-11014
49th
PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET A

PROPOSED SITE PLAN

DESIGNED BY: STAFF
DRAWN BY: STAFF
PATH: \\DOTSERFS02\PROJECTS\KAE\69446\PLANSET\MF\PLANSET A\4_PROPOSED SITE PLAN.DWG
TAB: 4 Thursday, November 05, 2015 2:46:01 OSBURN, JOEL D (DOT)

REVISIONS NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	4	11

KEKU STRAIT

NEW STANDARD W-BEAM GUARDRAIL END

NEW HANDRAIL (ALTERNATE A)

NEW PURSERS SHELTER

WAITING BUILDING, SEE PLANSET B F.F. = 28.10'

NEW 18"ø STORM SEWER OUTFALL

2"ø COPPER WATER CONDUIT, 85' LONG

PVC LINES FOR FUTURE HEAT RECOVERY (CAPPED UG)

PAVEMENT SAWCUT

6"ø D.I. WATER CONDUIT, 120' LONG

4"ø SEWER SERVICE, 55' LONG

GUARDRAIL TRANSITION PAID FOR UNDER 606(13) 37.5'

EXISTING 8"ø SANITARY SEWER MAIN

NEW W-BEAM GUARDRAIL, 160' LONG

GUARDRAIL TRANSITION PAID FOR UNDER 606(13) 37.5'

EXISTING 12"ø WATER MAIN

KEKU ROAD

14'-3" Luggage Cart Lane (curb to curb)

LEGEND

- LIMITS OF FILL
- DITCH FLOW
- LAYOUT POINT
- NEW AGGREGATE BASE COURSE, GRADING D1
- EXISTING PAVEMENT (TO REMAIN)
- NEW CONCRETE SIDEWALK
- TOPSOIL AND SEED
- NEW SURFACE FLOW
- EXISTING SURFACE FLOW
- NEW CULVERT FLOW
- EXISTING CULVERT FLOW

STRIPING NOTES

1. USE 4" BLUE PAINT FOR WHEELCHAIR ACCESSIBLE SYMBOL & PAINTED ISLANDS (SEE STD. DWG I-30.01 FOR DETAILS)
2. USE 4" WHITE PAINT FOR PARKING STRIPING
3. USE 4" WHITE PAINT FOR VEHICLE STAGING LANE STRIPING
4. PAINT CURB OF EACH ISLAND END WITH WHITE PAINT

10' 0 10' 20'
GRAPHIC SCALE (FT)

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE _____ Date 3/21/17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. OSBURN
DESIGNED BY: STAFF
DRAWN BY: STAFF

STATE OF ALASKA
JOEL D. OSBURN
CE-11014
REGISTERED PROFESSIONAL ENGINEER
4-9th

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET A

SITE LAYOUT PLAN

PATH: \\DOTSERFS02\PROJECTS\KAE\69446\PLANSET\MF\PLANSET A\5-6_SITE LAYOUT PLAN_LAYOUT PO
TAB: 5 Tuesday, November 03, 2015 11:29:02 OSBURN, JOEL D (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	5	11

LAYOUT POINT TABLE

#	NORTH	EAST	ELEV	DESCRIPTION
101	501443.20	296013.61	26.88	GRDRL_BREAK
102	501462.32	296019.45	27.05	BEGIN C&G TYPE A
103	501461.75	296021.47	27.07	CURB RAMP #1
104	501461.50	296022.34	27.08	C&G_PC_R=4
105	501464.25	296027.28	27.15	C&G_PT
106	501471.46	296029.34	27.19	C&G_PT
107	501472.03	296022.22	27.69	SDWK_PI
108	501471.92	296021.23	27.70	PURSERS SHELTER
109	501479.44	296016.39	27.70	PURSERS SHELTER
110	501494.71	296026.80	27.41	C&G_PC_R=4
111	501497.68	296019.45	27.95	SDWK_PI
112	501499.08	296030.05	27.47	END C&G TYPE A_PT
113	501499.98	296034.96	27.52	BEGIN C&G TYPE B
114	501501.43	296042.72	27.61	C&G_PC_R=5
115	501509.58	296048.33	27.64	C&G_PT
116	501511.57	296042.30	-	BOLLARD
117	501509.67	296021.30	28.10	SDWK_BLDG CORNER
118	501513.41	296041.52	27.88	SDWK_BLDG CORNER
119	501557.98	296033.27	28.10	SDWK_BLDG CORNER
120	501554.24	296013.05	28.10	SDWK_BLDG CORNER
121	501515.97	296058.00	28.00	BEGIN C&G TYPE C_PT
122	501517.07	296063.90	28.22	END C&G TYPE A_PC_R=3
123	501516.66	296060.93	28.60	ISLAND_RP=3'
124	501513.08	296065.74	28.19	MATCH EXISTING_PC_R=6
125	501517.76	296066.83	28.17	MATCH EXISTING
126	501562.98	296058.46	28.71	MATCH EXISTING_PC_R=6
127	501566.67	296056.18	28.74	MATCH EXISTING
128	501562.58	296055.48	28.68	BEGIN C&G TYPE A_PT
129	501561.49	296049.58	28.42	END C&G TYPE C_PC_R=3
130	501561.89	296052.56	29.06	ISLAND_RP=3'
131	501534.62	296049.12	-	PVC_CAPPED
132	501551.69	296036.23	27.95	SS_CLEANOUT
133	501559.98	296033.34	-	BOLLARD
134	501563.99	296038.26	27.86	C&G_PC_R=5
135	501569.60	296030.10	27.74	C&G_PT
136	501568.12	296022.09	27.61	END C&G TYPE B
137	501567.21	296017.17	27.55	BEGIN C&G TYPE A

LAYOUT POINT TABLE

#	NORTH	EAST	ELEV	DESCRIPTION
138	501566.43	296012.98	27.50	C&G_PC_R=4
139	501526.06	296014.20	28.02	SDWK
140	501528.22	296010.75	27.96	SDWK
141	501533.14	296009.84	27.96	SDWK
142	501536.39	296012.29	28.02	SDWK
143	501540.35	296009.52	-	NEW WATERLINE_2" VALVE
144	501557.44	296008.39	28.05	SDWK_PI
145	501556.59	296006.51	-	NEW WATERLINE_PI
146	501567.91	296009.10	27.47	C&G_PT
147	501569.08	296008.17	27.45	CURB INLET_TYPE A BOX
148	501625.59	295964.10	28.45	C&G_PC_R=5
149	501627.21	295961.87	28.44	C&G_PT
150	501620.83	295958.93	28.95	SDWK_PI
151	501640.88	295924.47	28.33	C&G_PC_R=4
152	501638.50	295919.34	28.28	C&G_PT
153	501637.62	295919.02	28.26	CURB RAMP #2
154	501635.68	295918.31	28.24	C&G_END
155	501636.72	295915.49	28.22	MATCH EXISTING
156	501616.91	295958.18	-	NEW WATERLINE_PI
157	501614.30	295961.97	-	LIGHT POLE
158	501609.55	295964.08	-	NEW WATERLINE_HYDRANT TEE
159	501606.03	295962.84	-	BOLLARD
160	501609.11	295960.38	-	BOLLARD
~~161~~	~~501606.42~~	~~295960.18~~	-	~~HYDRANT~~
162	501664.35	295927.30	28.70	MATCH EXISTING
163	501733.64	295944.79	-	BEGIN GRDRAL_END TREATMENT
164	501711.65	295975.42	-	END GRDRL_END TREATMENT_BEGIN GRDRAL R=734'
165	501591.61	296079.72	-	END GRDRL_BEGIN GRDRL_END TREATMENT
166	501559.59	296099.88	-	END GRDRL_END TREATMENT
167	501585.83	296076.87	22.50	NEW S. SEWER TEE
168	501722.64	295941.01	-	EXISTING WATERLINE_VALVE
169	501446.05	296013.42	-	HANDRAIL
170	501471.39	296020.99	-	HANDRAIL
171	501480.37	296020.32	27.78	HANDRAIL
172	501634.74	295917.97	-	HANDRAIL
173	501568.47	296007.39	23.37	PIPE 18_INLET
174	501553.07	295987.69	23.12	PIPE 18_OUTLET
175	501660.18	296022.60	-	PT GRDRAL
176	501620.71	295951.87	-	HYDRANT

GENERAL NOTES:

1. USE PLAN LOCATION INFORMATION ONLY WHERE "–" IS SHOWN FOR ELEVATION.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE _____ Date 3/21/17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. OSBURN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

STATE OF ALASKA 49th JOEL D. OSBURN CE-11014 REGISTERED PROFESSIONAL ENGINEER

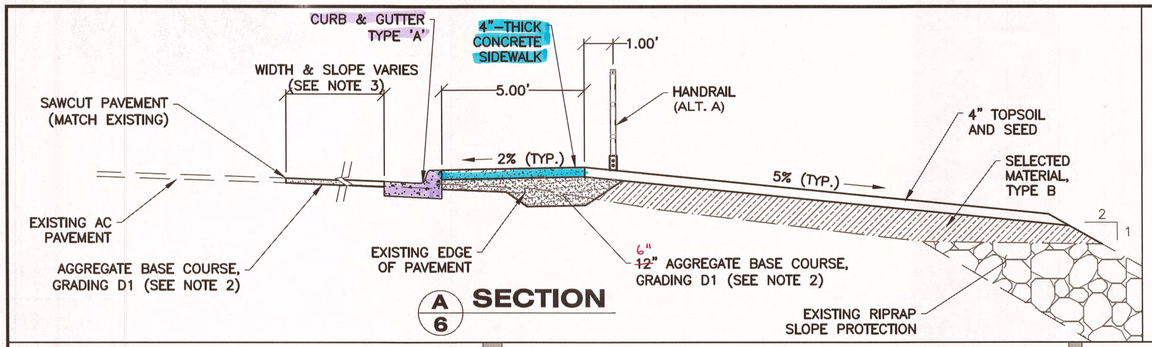
KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET A

LAYOUT POINTS

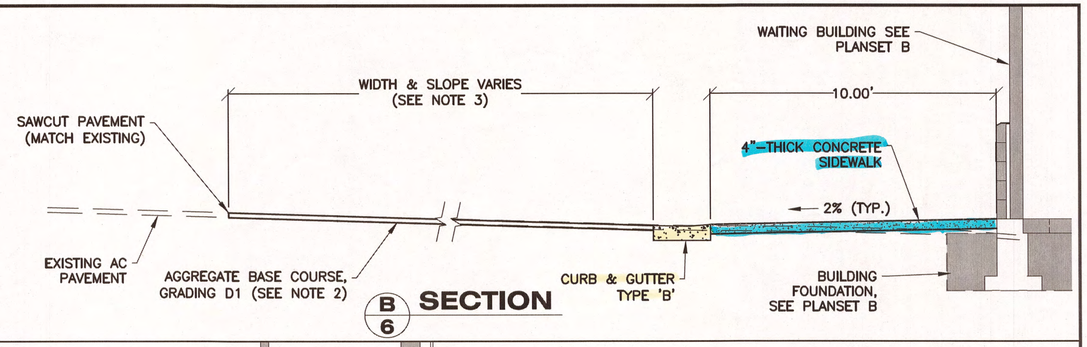
DESIGNED BY: STAFF
DRAWN BY: STAFF

PATH: \\DOTSERFS02\PROJECTS\KAE\69446\PLANSET\MF\PLANSET A\5-6_SITE LAYOUT PLAN_LAYOUT PO
TAB: 6 Monday, November 02, 2015 2:51:57 PMOSBURN, JOEL D (DOT)

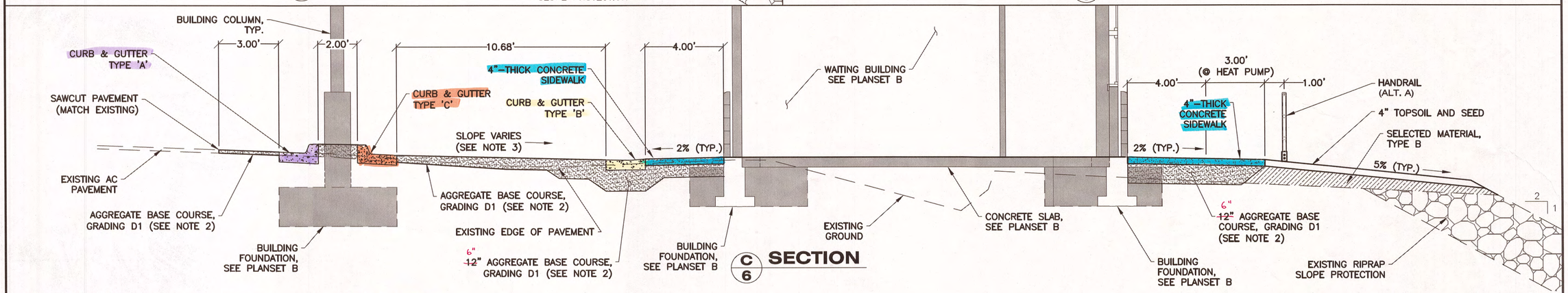
REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	6	11



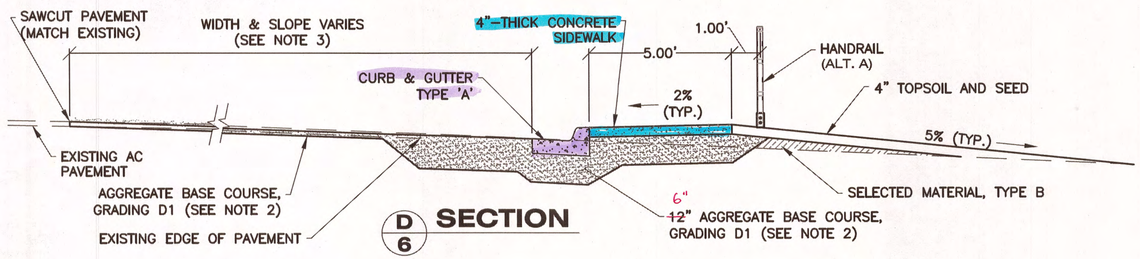
A/6 SECTION



B/6 SECTION



C/6 SECTION

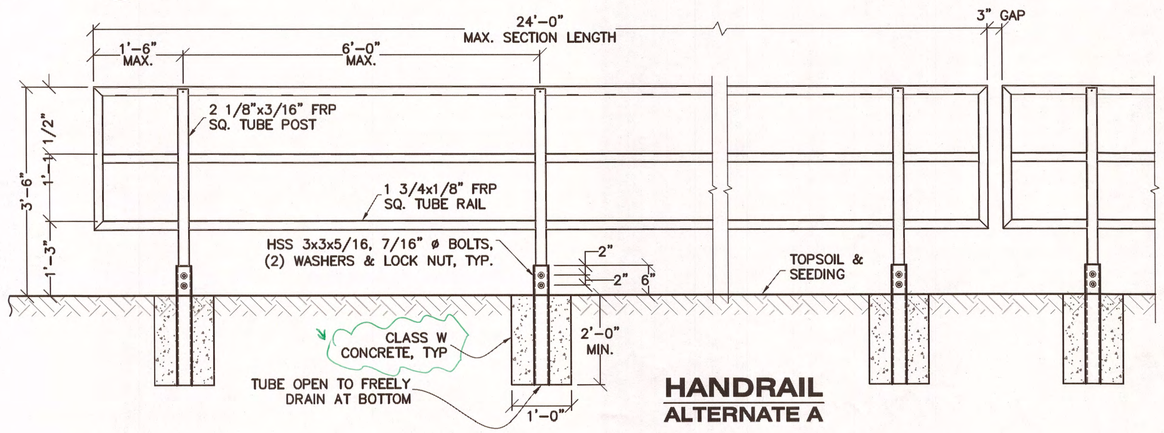


D/6 SECTION

GENERAL TYPICAL SECTION NOTES:

1. THE EXISTING ASPHALT PAVEMENT THICKNESS IS 2–INCHES.
2. REGRADE EXISTING BASE COURSE AFTER REMOVING ASPHALT PAVEMENT AND ADD NEW D–1 BASE COURSE TO LINE AND GRADE PROVIDED ON LAYOUT PLAN. CONSTRUCT 6 12"–THICK NEW BASE COURSE OUTSIDE OF THE EXISTING PAVEMENT LIMITS, AS NECESSARY BASED ON THESE TYPICAL SECTIONS.

   REFER TO PLANSET B FOR BUILDING FOUNDATION DETAILS.
3. REFER TO THE SITE LAYOUT PLAN FOR SURFACE GRADING INFORMATION. PAVEMENT SLOPE VARIES DEPENDING ON EDGE LAYOUT POINTS.



HANDRAIL ALTERNATE A

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE (P) Date 3/21/17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. OSBURN
DESIGNED BY: STAFF
DRAWN BY: STAFF

STATE OF ALASKA
JOEL D. OSBURN
CE-11014
REGISTERED PROFESSIONAL ENGINEER
49th

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

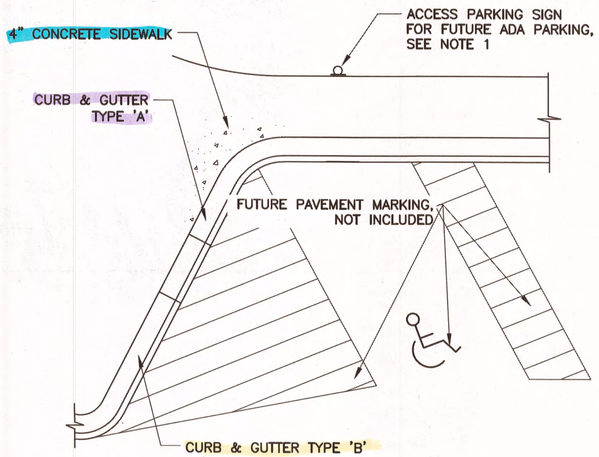
KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET A

TYPICAL SECTIONS

PATH: \\DOTSERFS02\PROJECTS\KAE\69446\PLANSET\MF\PLANSET A\7–8_TYP SECS & MISC DETS.DWG
TAB: 7 Monday, November 02, 2015 11:44:23 AM OSBURN, JOEL D (DOT)

REVISIONS		
NO.	DATE	DESCRIPTION

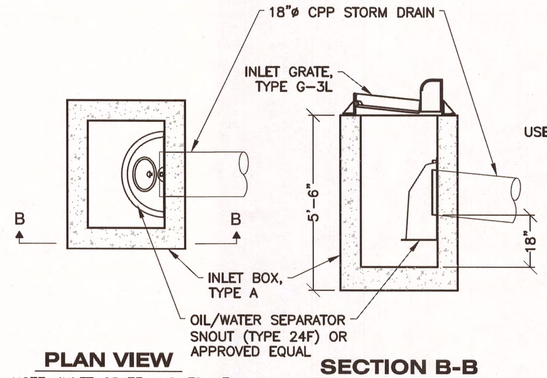
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	7	11



ACCESSIBLE PARKING

ACCESSIBILITY NOTE:

1. USE R7-8 SIGN WITH R7-8A PLAQUE FOR ACCESS PARKING, IN ACCORDANCE WITH ASDS. REFER TO STD. DWG S-00.11 AND STD DWG S-05.01 FOR POST HEIGHT AND SIGN FRAMING. REFER TO STD. DWG S-20.10 FOR SIGN TO POST CONNECTION AND S-30.03 FOR SLEEVE-TYPE CONCRETE FOUNDATION.

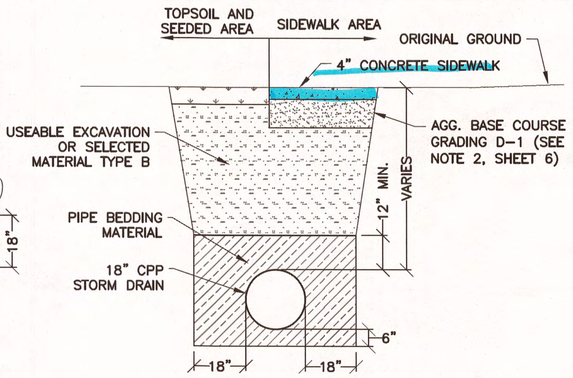


PLAN VIEW

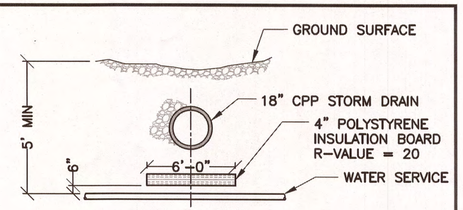
NOTE: INLET GRATE AND FRAME NOT SHOWN FOR CLARITY

SECTION B-B

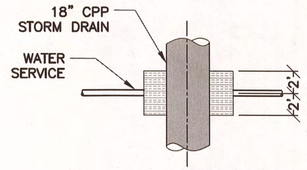
STANDARD CURB INLET



STORM DRAIN TYPICAL



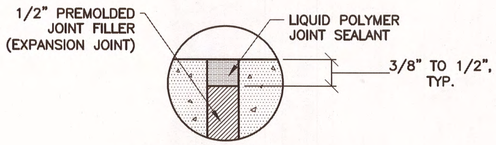
ELEVATION



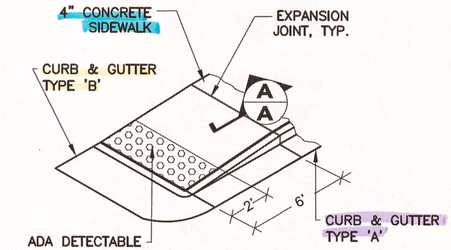
PLAN

PIPE CROSSING

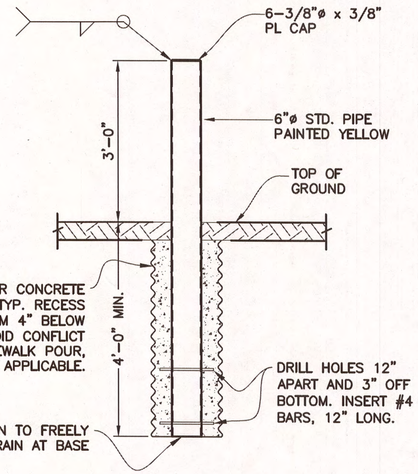
NOTE: WRAP AROUND INSULATION WITH R-VALUE EQUAL TO 20 MAY BE SUBSTITUTED FOR BOARD INSULATION IF APPROVED BY THE ENGINEER



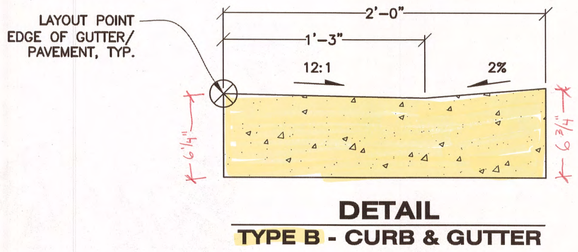
SECTION A-A
EXPANSION JOINT



DETAIL
SIDEWALK END RAMP



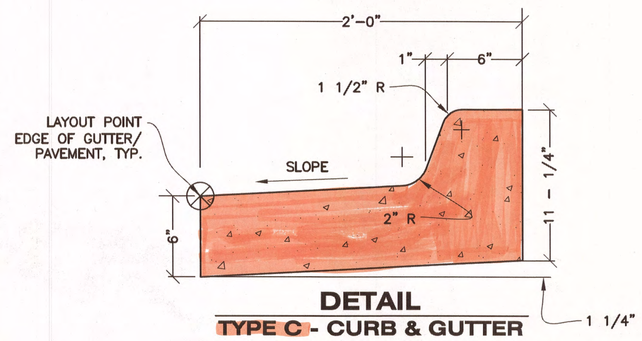
BOLLARD DETAIL



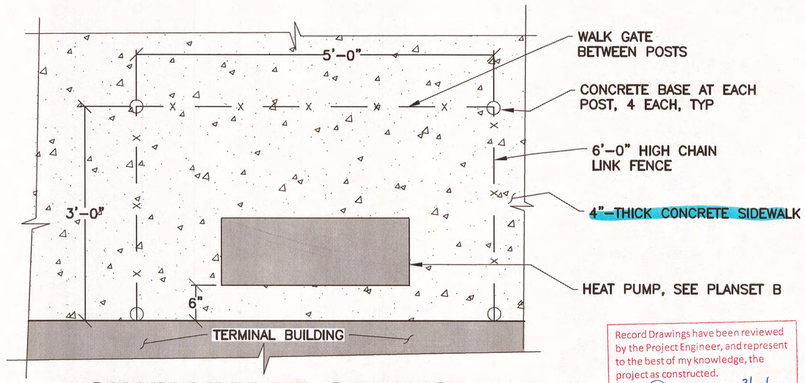
DETAIL
TYPE B - CURB & GUTTER

SIDEWALK, CURB AND GUTTER NOTES

1. TYPE 'A' CURB AND GUTTER IS "STANDARD" PER STD. DWG. I-20.15. TYPES 'B' AND 'C' ARE PER DETAILS THIS SHEET.
2. REFER TO SHEET S1.1 IN PLANSET B FOR CRACK CONTROL AND EXPANSION JOINT LAYOUT IN THE SIDEWALKS.
3. BOTH FRONT AND BACK TOP EDGES OF THE CURB & GUTTER SHALL BE TROWELED TO A RADIUS OF ONE-HALF (1/2) INCH. ALL JOINTS AND SEAMS SHALL BE EDGED. STEEL TROWELING FINISH REQUIRED PRIOR TO BROOM FINISHING ON ALL SURFACES. CURING COMPOUND SHALL BE APPLIED TO THE CONCRETE. APPLICATION SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS.
4. ALL CURB & GUTTER LOCATIONS ARE REFERENCED TO THE EDGE OF PAVEMENT/EDGE OF GUTTER PAN. LOCATIONS FOR CURB INLETS ARE REFERENCED TO THE EDGE OF PAVEMENT. INLET ELEVATIONS ARE REFERENCED TO THE EDGE OF PAVEMENT WITHOUT THE STANDARD DEPRESSION.



DETAIL
TYPE C - CURB & GUTTER



CHAIN LINK FENCE LAYOUT

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE _____ Date 3/21/17

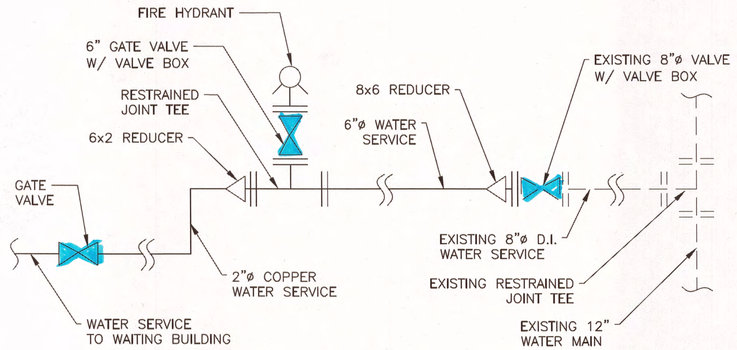
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. OSBURN	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION
	KAKE FERRY TERMINAL PASSENGER FACILITY PLANSET A
	MISCELLANEOUS DETAILS
DESIGNED BY: STAFF	
DRAWN BY: STAFF	

STATE OF ALASKA · 49th · JOEL D. OSBURN · CE-11014 · REGISTERED PROFESSIONAL ENGINEER

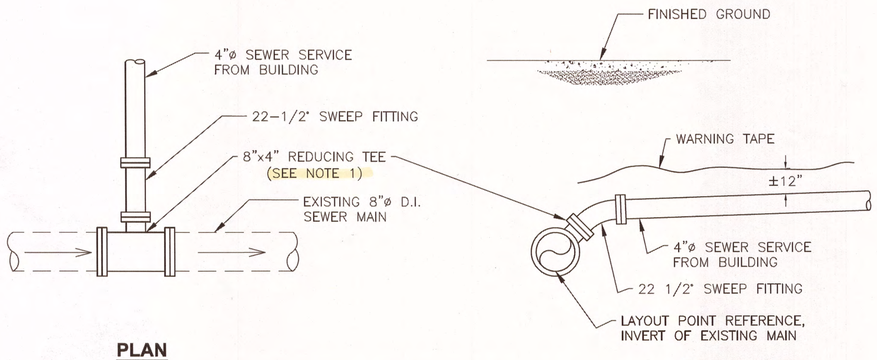
PATH: \\DOTSERFS02\PROJECTS\KAE\69446\PLANSET\MF\PLANSET A\7-8_TYP SECS & MISC DETS.DWG
TAB: 8 Tuesday, November 03, 2015 11:52:50 OSBURN, JOEL D (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	8	11



WATER SERVICE CONNECTION

LAYOUT POINTS: 143, 158, 161



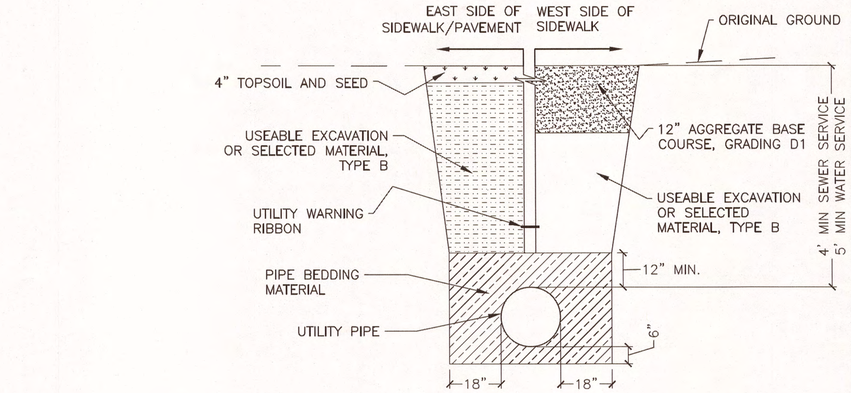
PLAN

ELEVATION

SEWER SERVICE CONNECTION

SEWER SERVICE CONNECTION NOTES:

1. 8" DOUBLE STRAP SERVICE SADDLE OR EQUAL MAY BE SUBSTITUTED FOR A REDUCING TEE (SEE DETAIL 1). SADDLE TEE SHALL BE A ROMAC CB SEWER SADDLE OR AN APPROVED EQUAL.
2. DISTANCE FROM TEE TO MANHOLE, AND TWO MEASURED DISTANCES FROM END OF SERVICE PIPE TO PERMANENT OBJECTS, SHALL BE NOTED ON AS-BUILT PLANS.
3. DIAMETER OF HOLE CUT IN SEWER MAIN SHALL NOT EXCEED 0.25" LARGER THAN THE SADDLE TEE CONNECTION. TEE SHALL BE CENTERED OVER CUT IN PIPE AND CLAMPED WITH METAL BAND SO TEE GASKET FORMS A WATER-TIGHT SEAL.
4. WATER AND DEBRIS SHALL NOT BE ALLOWED TO ENTER THE SEWER MAIN DURING THE TAPPING OPERATION.

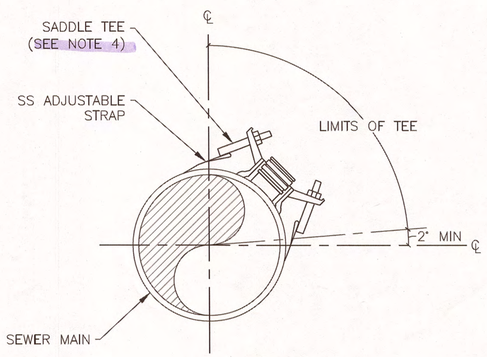


TYPICAL SECTION
UTILITY TRENCH

LAYOUT POINTS: 173, 174

TRENCHING NOTES:

1. EXPECT TO ENCOUNTER BEDROCK IN TRENCH EXCAVATION.
2. PLACE D-1 BASE COURSE SURFACING WITHIN 24 HOURS OF PAVEMENT REMOVAL. MAINTAIN DRIVING SURFACES TO THE SATISFACTION OF THE ENGINEER.
3. CONTRACTOR SHALL INCORPORATE USEABLE EXCAVATED MATERIALS IN TRENCH BACKFILL EXCEPT WHERE EXISTING MATERIALS ARE DETERMINED TO BE UNSUITABLE BY THE ENGINEER FOR RE-USE. IMPORT OF SELECTED MATERIALS FOR TRENCH BACKFILL SHALL ONLY BE UTILIZED AND PAID FOR WHEN AUTHORIZED BY THE ENGINEER. TRENCH BACKFILL SHALL MEET GRADATION REQUIREMENTS FOR SELECTED MATERIAL, TYPE B.



1 - DETAIL
SANITARY SEWER SADDLE TEE

LAYOUT POINTS: 167

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE _____ Date 3/21/17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. OSBURN
DESIGNED BY: STAFF
DRAWN BY: STAFF

STATE OF ALASKA
JOEL D. OSBURN
CE-11014
REGISTERED PROFESSIONAL ENGINEER

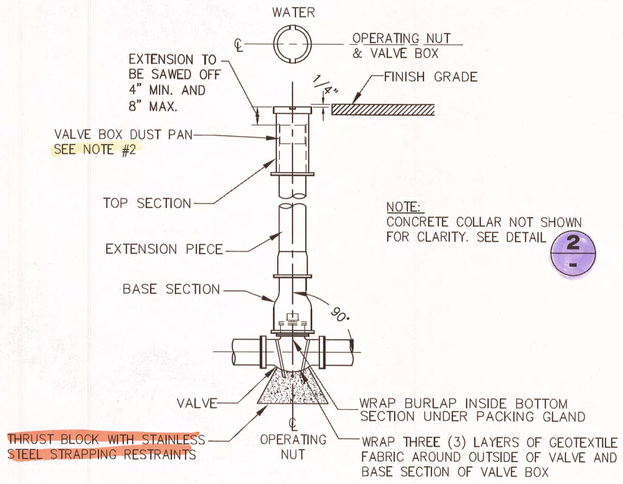
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET A

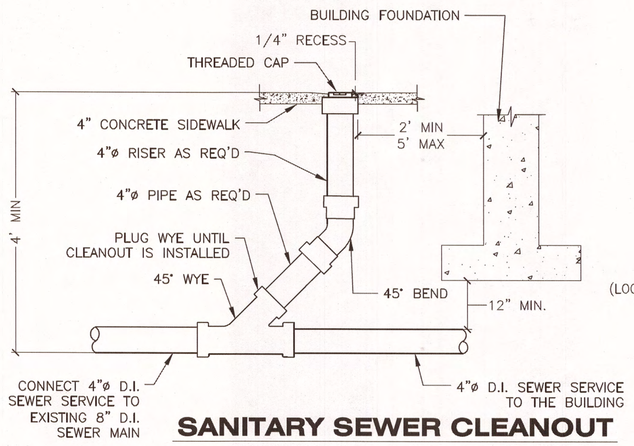
UTILITY DETAILS

PATH: \\DOTSERFS02\PROJECTS\KAE\69446\PLANSET\MF\PLANSET A\9-10_UTILITY DETAILS.DWG
TAB: 9 Wednesday, November 04, 2015 4:15:05 PM OSBURN, JOEL D (DOT)

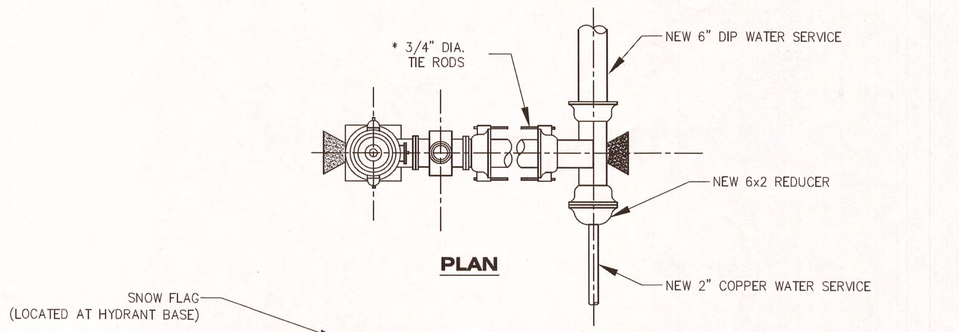
REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	9	11



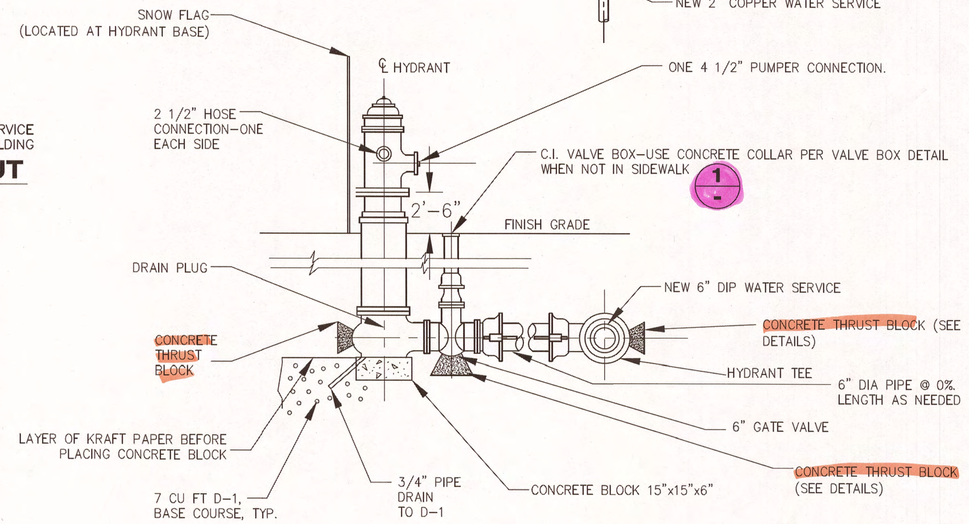
1- DETAIL
MAINLINE VALVE



SANITARY SEWER CLEANOUT



PLAN



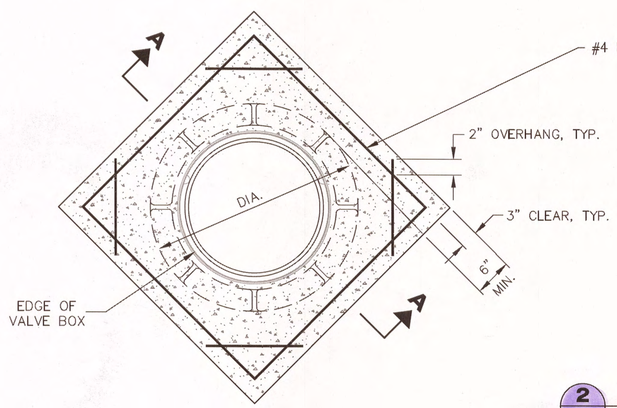
ELEVATION

* THRUST BLOCKS MAY BE INSTALLED IN LIEU OF TIE RODS

DETAIL
FIRE HYDRANT

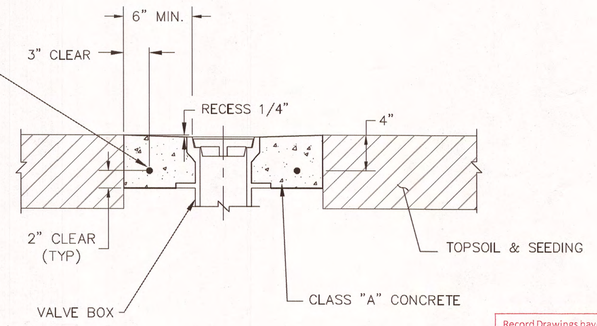
VALVE & HYDRANT NOTES:

1. AS-BUILT ALL UNDERGROUND UTILITIES AND PROVIDE LOCATIONS TO THE ENGINEER PRIOR TO FINAL TESTING, BACKFILLING.
2. VALVE LID AND TOP SECTION TO BE OLYMPIC FOUNDRY TYPE C OR EQUAL. EXTENSION PIECE TO BE OLYMPIC FOUNDRY TYPE A 10 FOOT SECTION OR 5" DIA. SINGLE HUB SOIL PIPE OR APPROVED EQUAL. BASE SECTION TO BE OLYMPIC FOUNDRY TYPE B OR EQUAL. VALVE BOX DUST PAN MADE OF 14 GAUGE HOT ROLLED ELECTRIC RESISTANCE WELDED (HREW) TUBE.
3. IN AREAS OUTSIDE THE TRAVELED WAY & REGULAR VEHICULAR TRAFFIC, VALVE BOXES SHALL BE EXTENDED 6" TO 12" ABOVE GRADE.
4. VALVE BOX LOCATIONS SHALL BE CLEARED OF ALL OBSTRUCTIONS BY A MINIMUM OF 3' IN ALL DIRECTIONS.
5. BENDS BETWEEN THE HYDRANT AND THE MAIN SHALL NOT EXCEED 11 1/4° UNLESS APPROVED BY THE ENGINEER.
6. ALL HYDRANTS SHALL BE PAINTED CATERPILLAR YELLOW. PORT CAPS SHALL BE COLOR CODED PER NFPA STANDARD 291.
7. HYDRANT SHALL BE MUELLER CENTURION 200 OR 250 WITH INTEGRAL STORZ PUMPER CONNECTION OR APPROVED EQUAL.



PLAN

2- DETAIL
CONCRETE COLLAR



SECTION A-A

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE ____ Date 3/21/17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. OSBURN
DESIGNED BY: STAFF
DRAWN BY: STAFF

STATE OF ALASKA
JOEL D. OSBURN
CE-11014
49th
PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

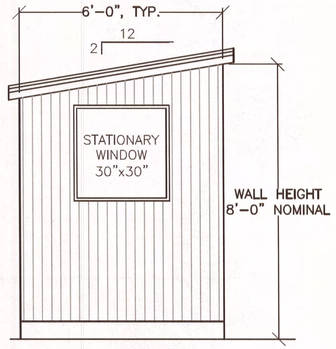
KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET A

UTILITY DETAILS

PATH: \\DOTSERFS02\PROJECTS\KAE\69446\PLANSET\MF\PLANSET A\9-10_UTILITY DETAILS.DWG
TAB: 10 Monday, November 02, 2015 11:44:45 AM OSBURN, JOEL D (DOT)

REVISIONS NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	10	11



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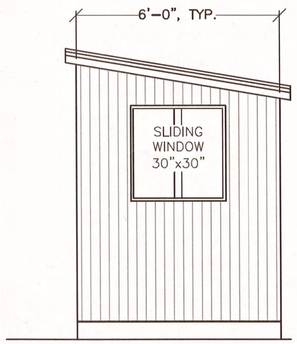

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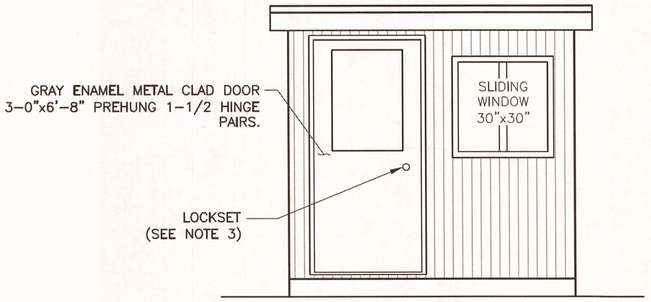

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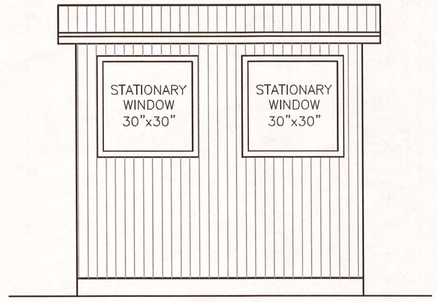
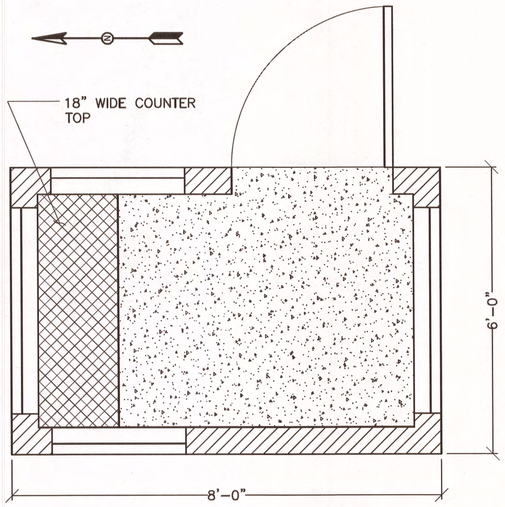


WEST

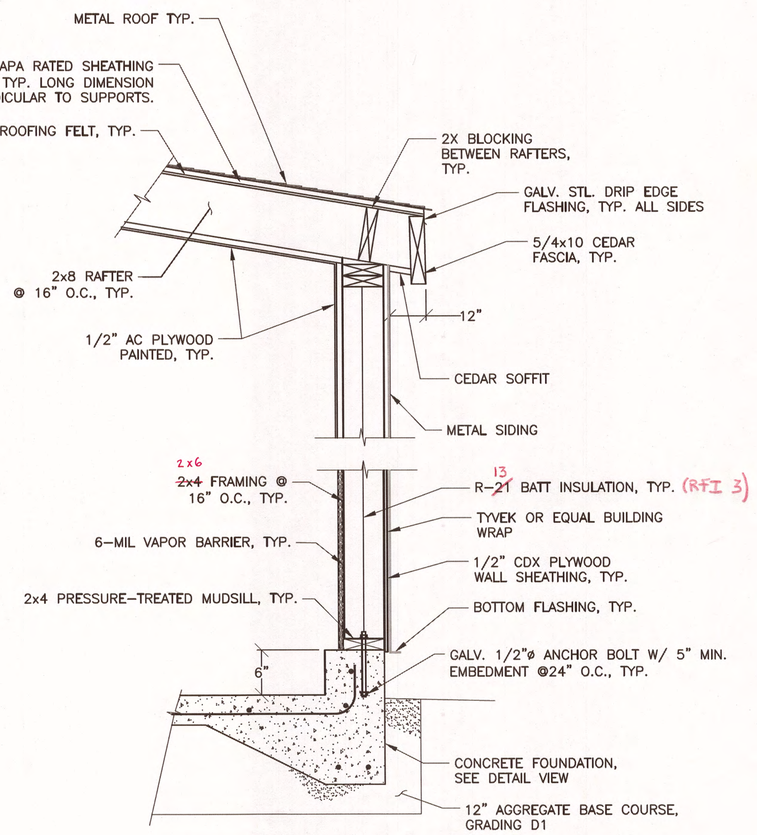
ELEVATION VIEWS

NOTES:

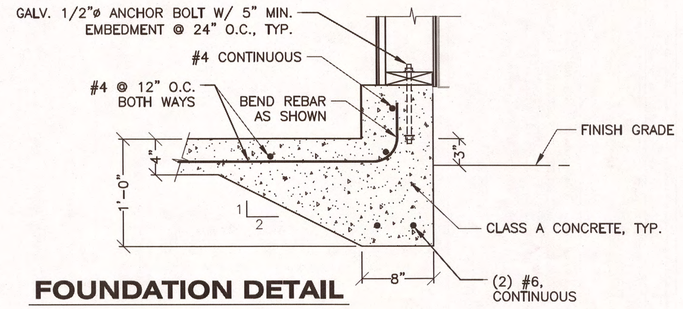
1. CONTRACTOR'S OPTION TO CONSTRUCT PURSER SHELTER SHOWN OR SUPPLY PRE-MANUFACTURED PARKUT STANDARD BOOTH MODEL 84, B.I.G. INTERNATIONAL STANDARD STEEL BOOTH MODEL DC46A, OR APPROVED EQUAL.
2. BUILDING SHALL BE EQUIPPED IN ELECTRIC LIGHT AND POWER RECEPTICLE. SEE PLANSET B FOR ELECTRICAL DRAWINGS.
3. DOOR LOCKSETS SHALL BE THE TYPE AND STYLE PER SECTION 087100, VOLUME II OF THE SPECIFICATIONS, AND SHALL BE KEYED TO THE AMHS MASTER-KEY SYSTEM.
4. WINDOWS AND DOORS SHALL MEET THE DIMENSIONS SHOWN AND SHALL BE INSTALLED PER DETAILS ON SHEET A5.4 AND AS SPECIFIED IN VOLUME II OF THE SPECIFICATIONS.
5. INSTALL HURRICANE TIES AT RAFTERS. FLASHING TO BE INSTALLED ON ALL EDGES OF ROOF & BASE OF WALLS.
6. DOOR FRAME - 2 x 4 FRAMING.
7. SHEETROCK RETURN ON THE INTERIOR.



FLOOR PLAN



TYPICAL WALL SECTION



FOUNDATION DETAIL

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE _____ Date 3/24/17

CHECKED BY: J. OSBURN
DESIGNED BY: STAFF
DRAWN BY: STAFF

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET A

PURSER'S SHELTER

PATH: \\DOTSERFS02\PROJECTS\KAE\69446\PLANSET\MF\PLANSET A\11_PURSERS SHELTER.DWG
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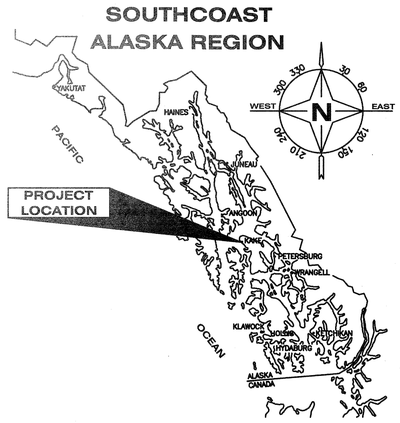
REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	11	11

State of Alaska

Department of Transportation and Public Facilities Southcoast Region



SHEET INDEX	
SHEET NO.	**DESCRIPTION**
1	TITLE SHEET
A0.1–A5.5	ARCHITECTURAL (13 SHEETS)
S0.1–S4.3	STRUCTURAL (11 SHEETS)
M1.0–M3.1	MECHANICAL (3 SHEET)
E1–E6.1	ELECTRICAL (10 SHEETS)

KAKE FERRY TERMINAL PASSENGER FACILITY KAKE, ALASKA

PROJECT No. SAMHS00002

PLANSET B:

WAITING BUILDING & ELECTRICAL

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN PREPARED FROM INFORMATION PROVIDED BY THE CONTRACTOR. THERE IS NO GUARANTEE TO THE ACCURACY OF THE INFORMATION CONTAINED HEREIN, EITHER EXPRESSED OR IMPLIED.

October 27, 2017

WELSHWHITELEYARCHITECT, LLC

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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(907) 225-2412 Voice
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CHECKED BY: TIM WHITELEY

STATE OF ALASKA · 49TH · Timothy Whiteley · No. A-9429 · REGISTERED PROFESSIONAL ARCHITECT

October 27, 2017

DESIGNED BY: TIM WHITELEY

DRAWN BY: AL, AR

PATH: Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS\1121-KAK

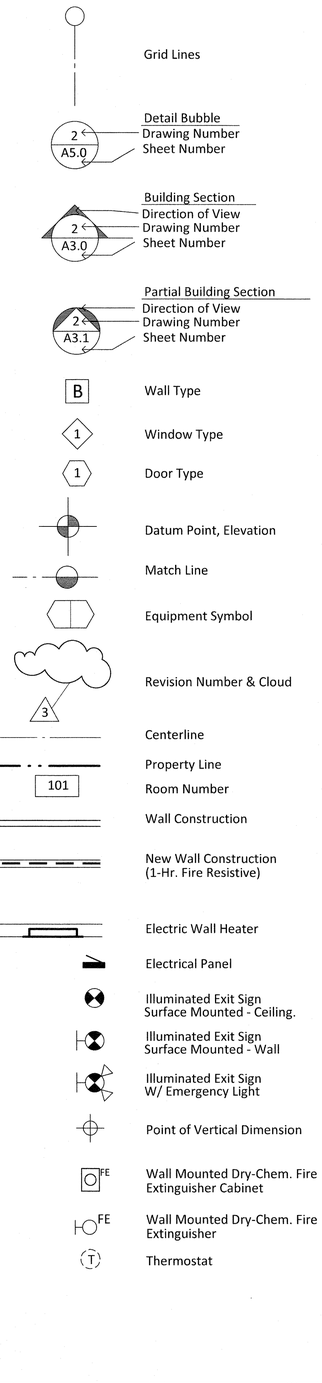
TAB: 1 Friday, October 27, 2017 12:04:13 PM AMANDA ROBINSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET B
TITLE SHEET

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	SAMHS00002	2015	1	35

DRAWING SYMBOLS



ARCHITECTURAL NOTES

1. All work shall be done in accordance with the International Building Code - 2009 (IBC), International Fire Code - 2009 (IFC), International Mechanical Code - 2009 (IMC), 2009 Uniform Plumbing Code (UPC), and National Electrical Code - 2011 (NEC), as amended by the State of Alaska; and the Americans with Disablities Act (ADA). See Project Code Analysis for more information.

2. Contractor shall verify all site conditions and dimensions prior to proceeding with the Work. Any variation from the Conditions and Dimensions shown on the drawings shall be reported to the Architect for resolution prior to construction. This shall include any conflict between lighting, ventilation fixtures and grills located in the suspended acoustic ceiling tile grid and in conflict with new walls or in a space formed by a new wall where ventilation or lighting may need to be added.

3. Written dimensions shall take precedence over scaled dimensions. Dimensions are to the centerline of columns, and to the face of framing on new wall construction, unless otherwise noted.

4. Provide safety glazing in locations specified in Section 2403. Glazing in doors and any glazing located within 2 feet of door jambs to be safety glass.

ABBREVIATIONS

AB	ANCHOR BOLT
ACOUS	ACOUSTICAL
ACT	ACOUSTICAL TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AL, ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BD	BOARD
BTWN	BETWEEN
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
BUR	BUILT-UP ROOFING
CAB	CABINET
CHAMF	CHAMFER
CIP	CAST IN PLACE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CPT	CARPET
CTSK	COUNTERSINK
CT	CERAMIC TILE
CTR	CENTER
DTL	DETAIL
DEMO	DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DR	DOOR
DS	DOWN SPOUT
DW	DISH WASHER
DWG	DRAWING
E	EAST
EA	EACH
EXP JT	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATOR, ELEVATION
EMER	EMERGENCY
ENCL	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPANDED, EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH
FIN	FINISH
FLR	FLOOR
FLASH	FLASHING
FLUOR	FLUORESCENT

FOC	FACE OF COLUMN OR CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUDS
FRP	FIBERGLASS REINFORCED PANEL
FT	FOOT OR FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GLU-LAM	GLUE-LAMINATED
GL	GLASS, GLAZING
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HB	HOSE BIB
HC	HOLLOW CORE
HD	HEAD
HDR	HEADER
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEAT/VENTILATION/AIR CONDITIONING
HW	HOT WATER
HWT	HOT WATER TANK
ID	INSIDE DIAMETER
IHM	INSULATED HOLLOW METAL
IN	INCH
INC	INCLUDING
INSUL	INSULATION
INT	INTERIOR
JB	JUNCTION BOX
JC	JANITORS CLOSET
KIT	KITCHEN
L	LENGTH, LONG
LAM	LAMINATE, LAMINATED
LAV	LAVATORY
LF	LINEAL FEET
LH	LEFT HAND
LT	LIGHT
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MTL	METAL
MFR	MANUFACTURER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MTD	MOUNTED
N	NORTH
NIC	NOT IN CONTRACT
NO. (#)	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OVERHANG
OPNG	OPENING
OPP	OPPOSITE
OTS	OPEN TO STRUCTURE
PBD	PARTICLE BOARD
PERF	PERFORATED
PL	PROPERTY LINE/PLATE
P LAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PT	PRESSURE TREATED

R	RISER
RAD	RADIUS
RD	ROOF DRAIN
RBR	RUBBER
REF	REFERENCE, REFRIGERATOR
REFL	REFLECTED
RGTR	REGISTER
REINF	REINFORCED
REQ	REQUIRED
RESIL	RESILIENT
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RT	RESILIENT TILE
S	SOUTH
SC	SOLID CORE
SCHED	SCHEDULE
SEAL	SEALANT
SECT	SECTION
SHR	SHOWER
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SQ FT	SQUARE FOOT (FEET)
SQ IN	SQUARE INCH (ES)
SST	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL, STRUCTURE
SUSP	SUSPENDED
SYM	SYMMETRICAL
SV	SHEET VINYL
T, TRD	TREAD
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
TEMP	TEMPERED
TER	TERRAZZO
THRESH	THRESHOLD
T JT	TOOLED JOINT
TOS	TOP OF SLAB
TYP	TYPICAL
UL	UNDERWRITERS' LABORATORIES
UNFIN	UNFINISHED
UON	UNLESS OTHERWISE NOTED
VT	VINYL TILE
VERT	VERTICAL
VTR	VENT THROUGH ROOF
W	WEST
W/	WITH
WC	WATER CLOSET
WD	WOOD
WDO	WINDOW
W/O	WITHOUT
WL	WATER LINE
WRB	WATER-RESISTANT BARRIER
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDING WIRE MESH

CODE ANALYSIS

CODE:International Building Code - 2009, 2009 Uniform Plumbing Code, State of Alaska Amendments

PROJECT DESCRIPTION: Construction of a New 810 Gross Square Foot Ferry Passenger Waiting Terminal.

A. USE AND OCCUPANCY CLASSIFICATION (Chapter 3):

Proposed: A-3 Area = 400 GSF
400 GSF / 7 Occupants Per GSF
= 57 Occupants

B. TYPE OF CONSTRUCTION (Chapter 6):

Proposed: VB

Type V-B Description: Structural Elements, Exterior Walls and Interior Walls may be of Any Material Permitted by Code. (Section 602.5 & Table 601).

Fire Resistive Rating for Building Elements (Table 601):

Structural Frame:	0
Bearing Walls:	0
Exterior:	0
Interior:	0
Floor Construction:	0
Roof Construction:	0

C. HEIGHT (Table 503):

Allowable:	1 Story / 40 feet
Proposed:	1 Story / 18'-1"±

D. FLOOR AREA (Table 503):

Allowable:	6,000 Square Feet
Proposed:	2,346 Gross Square Feet Beneath Roof 810 Building Square Feet per 502 "Area . . ."

E. OTHER:

CODE NOTES:
303.1 Occupancy Type: A-3

(Passenger Ferry Terminal)

Table 1004.1.1 - A3: 7 net SF. per occupant / max. with no fixed chairs

Approximately 400 SF / 7 SF = 57 occupants

1008.1.2 Doors must swing in the direction of egress travel with an occupant load of 50 or more persons

1997 Uniform Plumbing Code Chapter 29

Plumbing Fixture Count:

Table A29 - Group A (conference rooms, exhibit spaces, lounges): 30 net SF. per occupant / max. with no fixed chairs

Approximately 400 SF / 30 SF = 13 occupants

2011 NEC / NFPA 70: National Electrical Code / International Electrical Code Series

110.26 Spaces About Electrical Equipment. Space requirements for equipment operating at equal to or less than 150 volts shall have 36" deep by a minimum of 30" wide or the width of the equipment whichever is wider by 78" high. Storage of materials is not allowed in this space.

2010 ADA Standards for Accessible Design

203.5 Machinery Spaces. Machinery Spaces are exempt from the scoping requirements of the 2010 ADAAG, including the requirements to be on an accessible route. These requirements include mechanical and electrical rooms.

203.9 Employee Work Areas. Employee Work Areas shall be designed so that individuals can approach, enter and exit the employee work area. No turning space required in a Janitorial Closet. No turning radius required if a wheelchair clear space cannot move 48" beyond the swing of the door.

213.3.1 Toilet compartments. Where toilet compartments are provided, at least one shall comply with 604.8.1. At least one compartment shall comply with 604.8.2 where six or more compartments are provided.

213.3.2 Water Closets. Where water closets are provided at least one shall meet the requirements of 604.

213.3.3 Urinals. Where more than one urinal is provided, at least one shall comply with 605.

213.3.4 Lavatories. Where lavatories are provided, at least one shall comply with 606 and not be located within the toilet compartment.

404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction is more than 8" deep measured perpendicular to the face of the door and within 18 inches of the latch side of the door. This requires 18" clear of the latch on the pull side and 12" on the push side when provided with closer and latch when provided with both closer and latch.

602 Drinking Fountains

602.1 General. Drinking fountains shall comply with 307 and 602.

602.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided.

602.3 Operable Parts. Operable parts shall comply with 309.

602.4 Spout Height. Spout outlets shall be 36 inches (915 mm) maximum above the finish floor or ground.

602.5 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) maximum from the front edge of the unit, including bumpers.

604.3.1 Clearance - Size: Clearance around a water closet shall be 60 inches minimum measured perpendicular from the side wall and 56 inches minimum measured perpendicular from the rear wall.

RECORD DRAWINGS

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October 27, 2017

WELSHWHITELEYARCHITECT, LLC

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Drawings Prepared By:

WELSH WHITELEY ARCHITECTS

327 Bawden Street
Ketchikan, Alaska 99901
(907) 225-2412 Voice
(907) 225-2422 Fax

CHECKED BY: TIM WHITELEY

STATE OF ALASKA
Timothy Whiteley
No. A-9429
REGISTERED PROFESSIONAL ENGINEER
October 27, 2017

DESIGNED BY: TIM WHITELEY
DRAWN BY: AL, AR

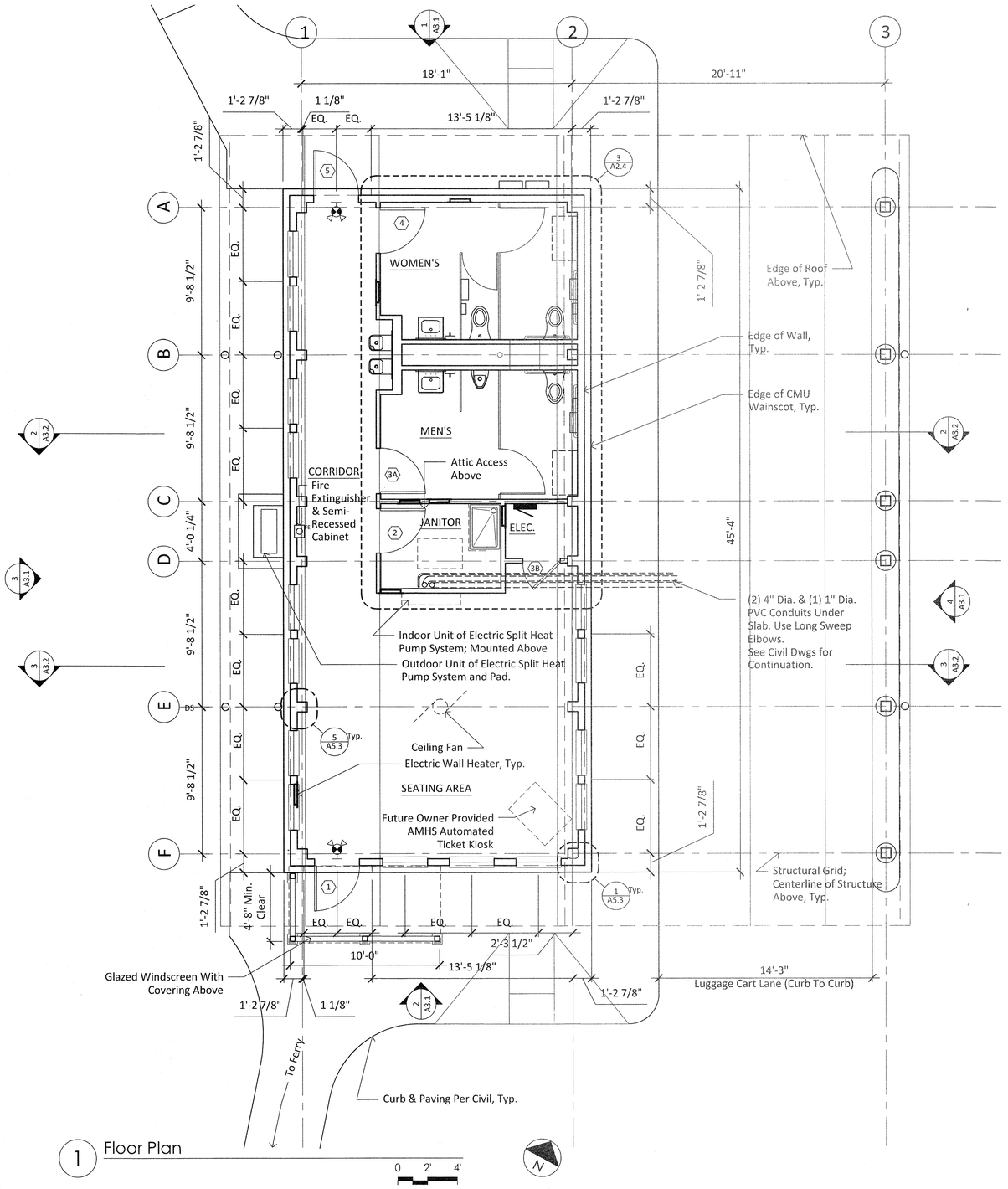
PATH: Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS
TAB: A0.1 Friday, October 27, 2017 12:03:45 PM AMANDA ROBINSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

General Notes

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	A0.1	35

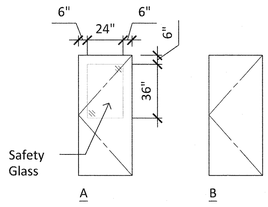


1 Floor Plan

DOOR SCHEDULE (See A2.1 For Locations)

	Construction							
Symbol	Size (W x H)	Type	Thick	Door	Frame	Fire Rating	Hardware Group	Remarks
1	3'-0" X 7'-0"	A	1-3/4"	Alum.	Alum.	0	1	Storefront Entry
2	3'-0" X 7'-0"	B	1-3/4"	WD	HM	0	3	Janitor
3A	3'-0" X 7'-0"	B	1-3/4"	WD	HM	0	2	Men's Room
3B	3'-0" X 7'-0"	B	1-3/4"	WD	HM	0	4	Elec. Closet
4	3'-0" X 7'-0"	B	1-3/4"	WD	HM	0	2	Women's Room
5	3'-0" X 7'-0"	A	1-3/4"	Alum.	Alum	0	1	Storefront Entry

DOOR TYPES



NOTES:

1. Clear Finish Wood Doors.

WINDOW SCHEDULE (See A3.1 For Locations)

	Construction					Details		
Symbol	Size (W x H)	Frame	Safety Glass	Operation	Fire Rating	Head	Sill	Remarks
A	7'-0" x 5'-6"	Vinyl	No	Fixed/ Awning	0	4/A5.3	3/A5.3	
B	3'-4" x 5'-6"	Vinyl	Yes	Fixed	0	4/A5.3	3/A5.3	
C	3'-4" x 1'-10"	Vinyl	Yes	Fixed	0	4/A5.3		

NOTES:

1. See Drawing 6/A5.3 For Interior Window Trim

RECORD DRAWINGS

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October 27, 2017

WELSHWHITELEYARCHITECT, LLC

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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STATE OF ALASKA — Timothy Whiteley — No. A-9429 — REGISTERED PROFESSIONAL ARCHITECT — October 27, 2017

DESIGNED BY: TIM WHITELEY

DRAWN BY: AL, AR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

Plan

PATH: Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS\1121-K
TAB: A2.1 Friday, October 27, 2017 12:03:10 PM AMANDA ROBINSON

REVISIONS		
NO.	DATE	DESCRIPTION

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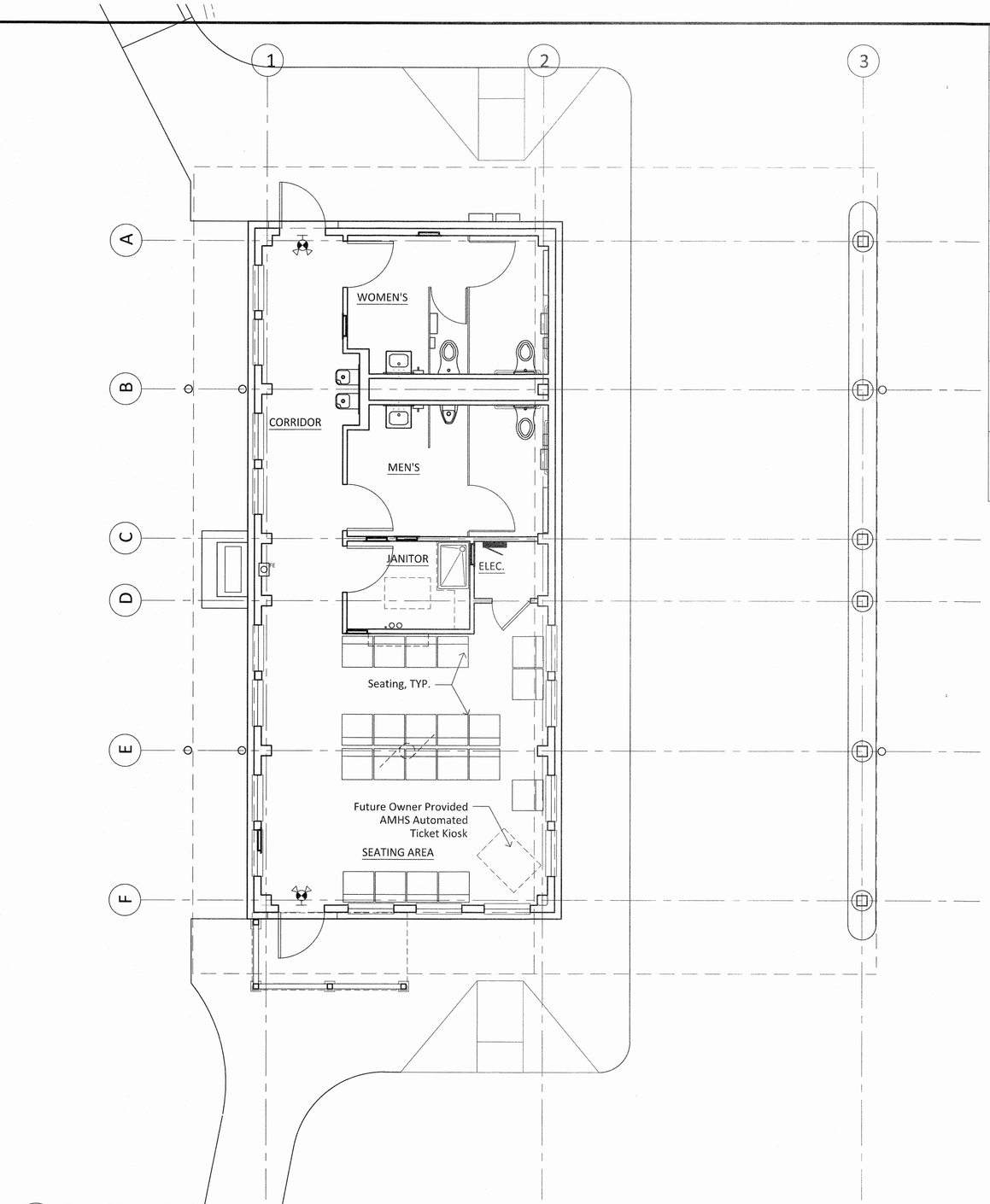

1 Floor Plan - Furniture

0 2' 4'

ROOM FINISH SCHEDULE

Room Name	Floor	Finish	Base	Finish	Walls	Finish	Ceiling	Finish	Remarks
Waiting	Concrete	Seal	Rub.	FF	5/8" Gyp. Wall Board W/ Vapor Barrier Primer	Paint	1x6 T&G Over 5/8" Gyp. Wall Board W/ Vapor Barrier Primer	Clear Finish	
Corridor	Concrete	Seal	Rub.	FF	5/8" Gyp. Wall Board W/ Vapor Barrier Primer	Paint	1x6 T&G Over 5/8" Gyp. Wall Board W/ Vapor Barrier Primer	Clear Finish	
Janitor	Concrete	Seal	Rub.	FF	5/8" Gyp. Wall Board W/ Vapor Barrier Primer	Paint	5/8" Gyp. Wall Board W/ Vapor Barrier Primer	Paint	
Electrical	Concrete	Seal	Rub.	FF	5/8" Gyp. Wall Board W/ Vapor Barrier Primer	Paint	5/8" Gyp. Wall Board W/ Vapor Barrier Primer	Paint	
Men's	Sheet Vinyl	FF	Rub.	FF	FRP W/ Vapor Barrier Primer	FF	5/8" Gyp. Wall Board W/ Vapor Barrier Primer	Paint	
Women's	Sheet Vinyl	FF	Rub.	FF	FRP W/ Vapor Barrier Primer	FF	5/8" Gyp. Wall Board W/ Vapor Barrier Primer	Paint	

RECORD DRAWINGS

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October 27, 2017

WELSHWHITELEYARCHITECT, LLC

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Drawings Prepared By:

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STATE OF ALASKA
49TH
Timothy Whiteley
No. A-9429
REGISTERED PROFESSIONAL ARCHITECT
October 27, 2017

DESIGNED BY: TIM WHITELEY

DRAWN BY: AL, AR

PATH: Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS\1121-K

TAB: A2.2 Friday, October 27, 2017 12:02:51 PM AMANDA ROBINSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

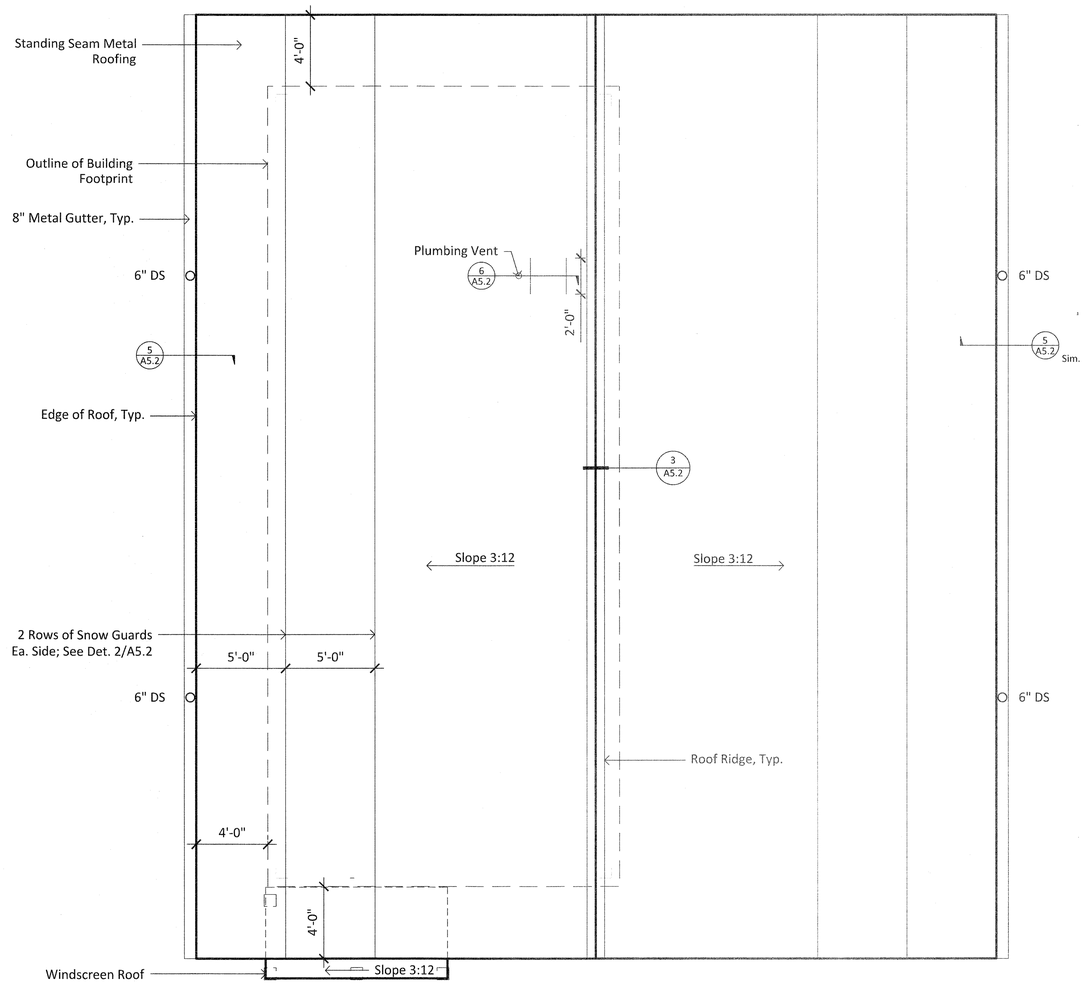
KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

Furniture Plan

REVISIONS NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	A2.2	35

AeccDbFace (AeccLand100)



1 Roof Plan

0 2' 4'

N

RECORD DRAWINGS

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October 27, 2017

DESIGNED BY: TIM WHITELEY

DRAWN BY: AL, AR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

Roof Plan

PATH: Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS\1121-K

TAB: A2.3 Friday, October 27, 2017 12:02:18 PM AMANDA ROBINSON

REVISIONS NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	A2.3	35

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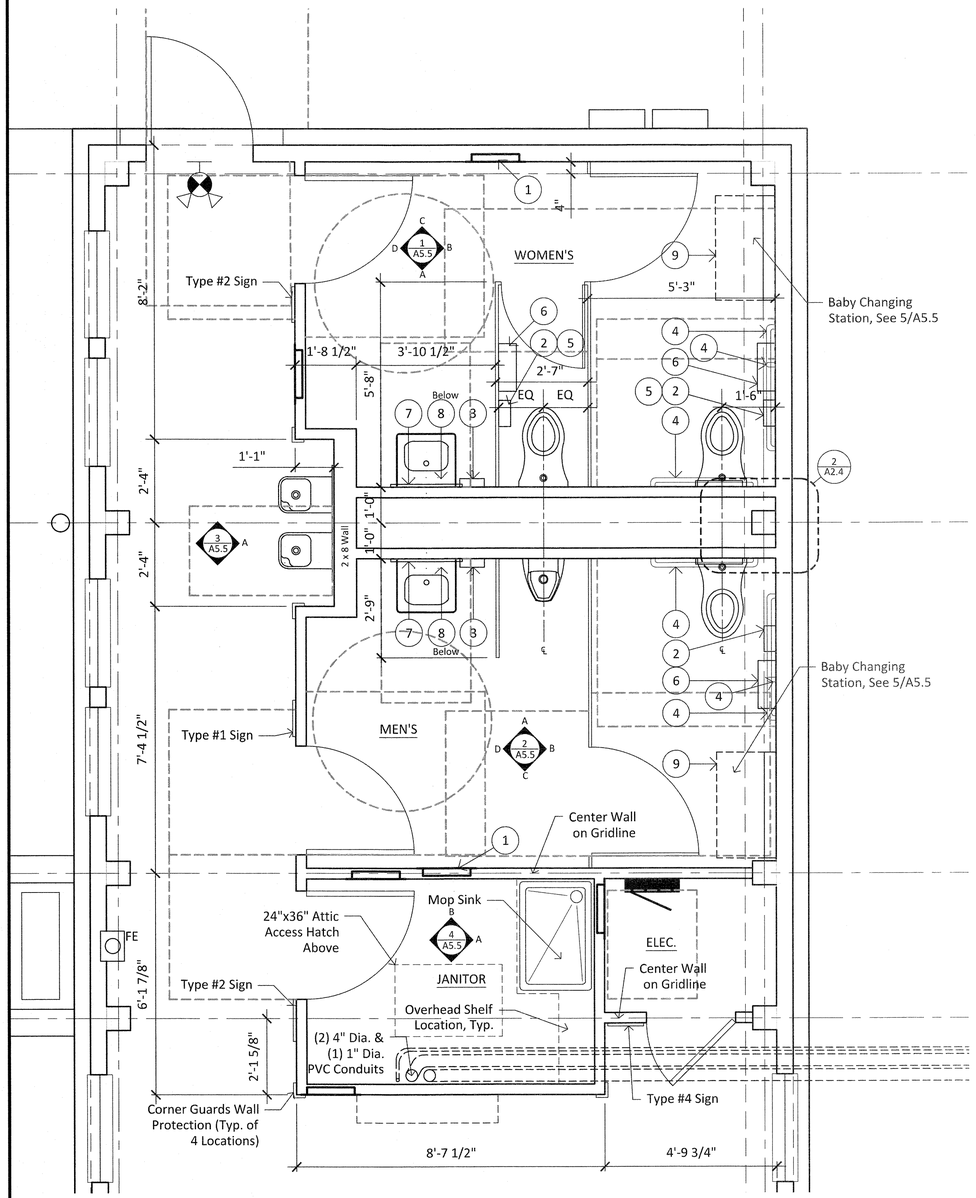


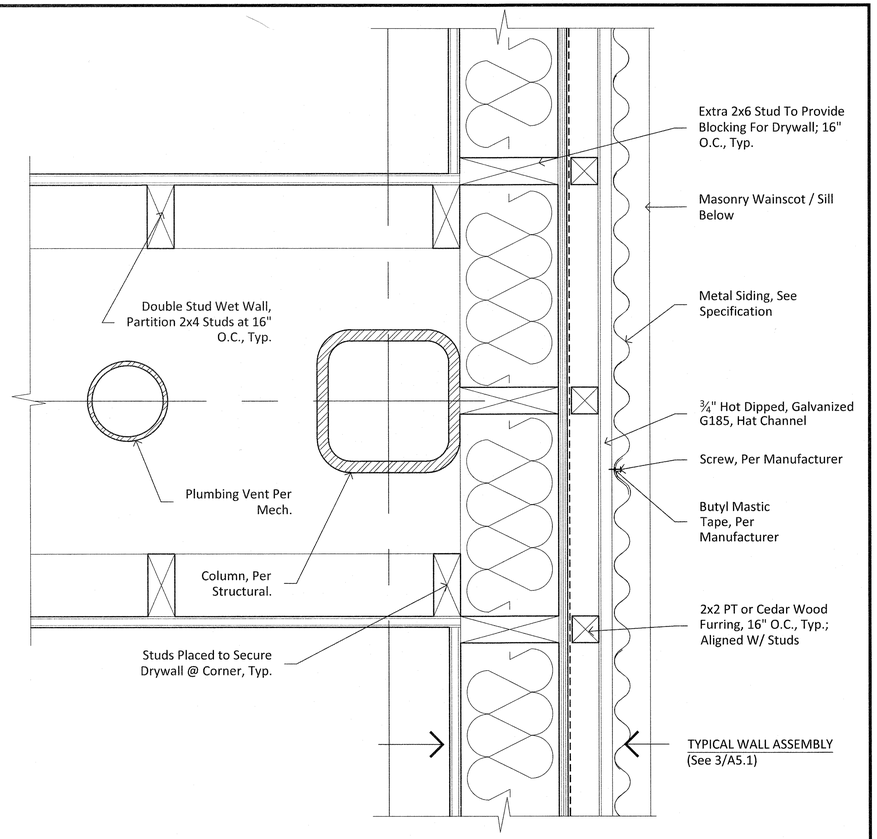
3 Enlarged Plan
Enlarged Floor Plan

TOILET ACCESSORIES SCHEDULE

Number	Accessory
1	Paper Towel Dispenser/ Waste Receptical
2	Toilet Tissue Dispenser
3	Liquid Soap Dispenser
4	Grab Bar
5	Sanitary Napkin Disposal
6	Seat Cover Dispenser
7	Mirror
8	Under Lavatory Guard
9	Baby Changing Station

SHEET NOTE:

1) All Interior Walls to be Constructed of 2x4 Framing Unless Otherwise Noted.



2 Wet Wall @ Column

0 1" 3" 6"

RECORD DRAWINGS

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STATE OF ALASKA · Timothy Whiteley · No. A-9429 · REGISTERED PROFESSIONAL ARCHITECT
October 27, 2017

DESIGNED BY: TIM WHITELEY
DRAWN BY: AL, AR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET B

Enlarged Plans

PATH: Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS\1121-K
TAB: A2.4 Friday, October 27, 2017 12:01:00 PM AMANDA ROBINSON

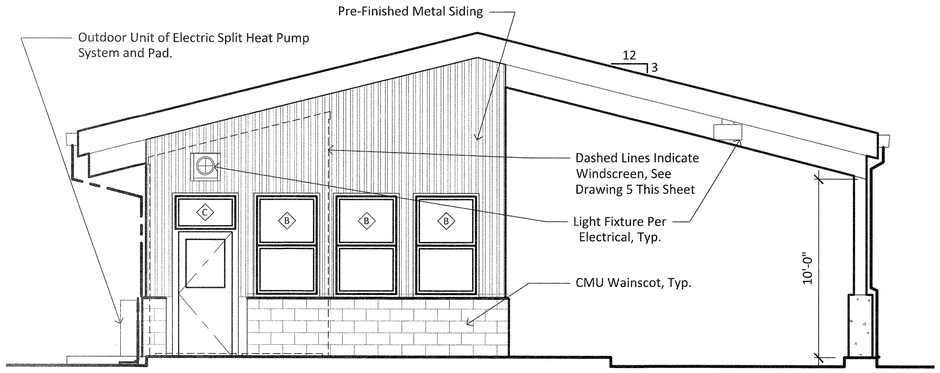
REVISIONS NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	A2.4	35

AeccDbFace (AeccLand100)

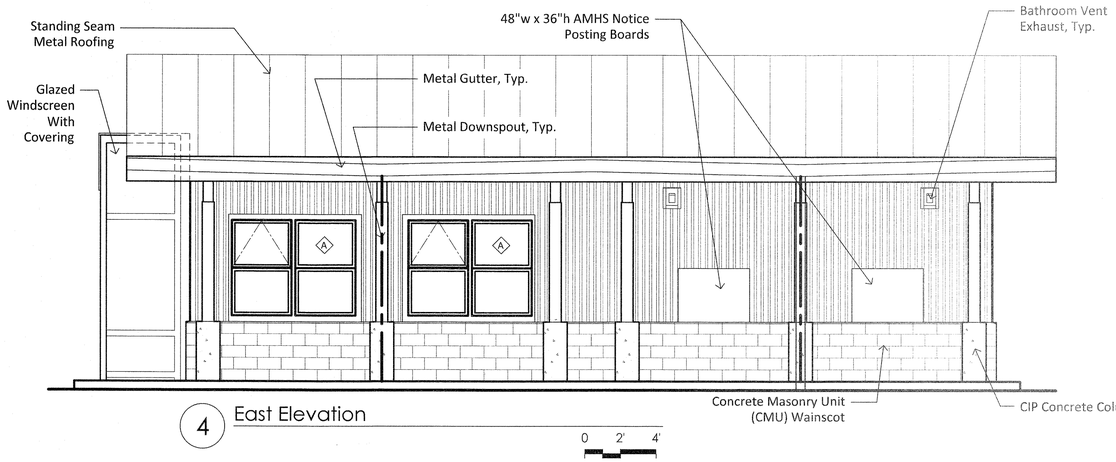
5 South Elevation - Windscreen

0 2' 4'



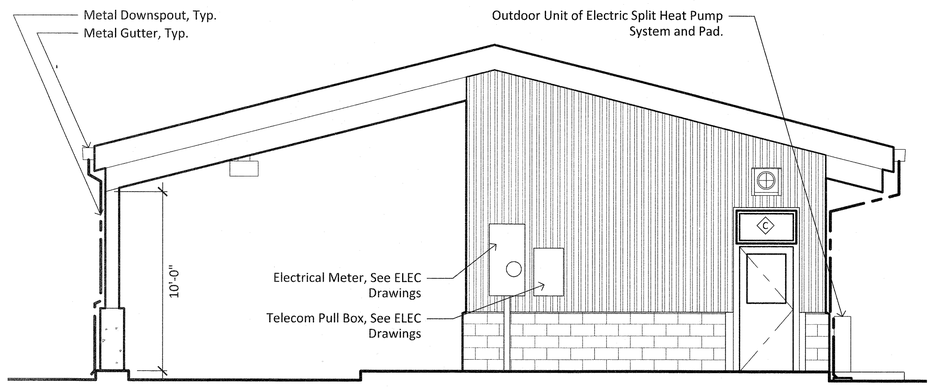
2 South Elevation

0 2' 4'



4 East Elevation

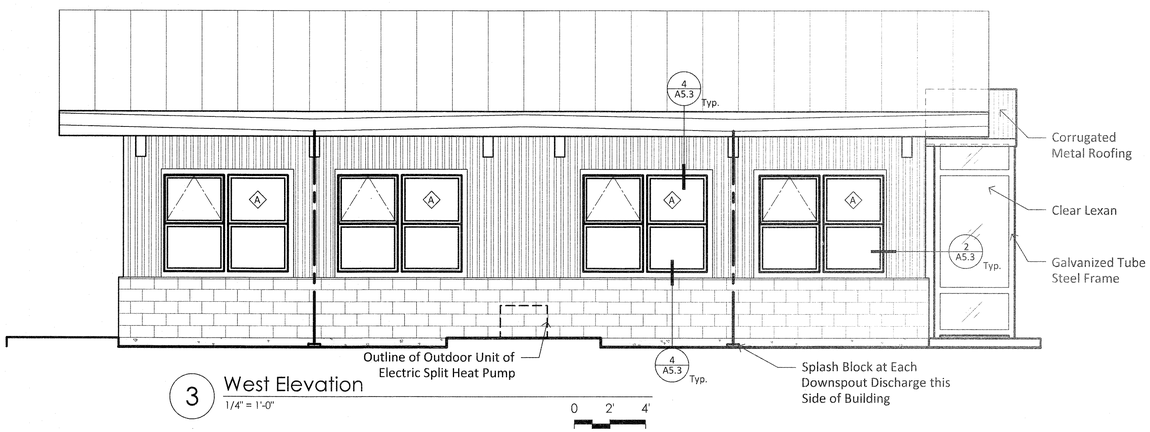
0 2' 4'



1 North Elevation

1/4" = 1'-0"

0 2' 4'



3 West Elevation

1/4" = 1'-0"

0 2' 4'

RECORD DRAWINGS

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October 27, 2017

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STATE OF ALASKA — 49TH — Timothy Whiteley — No. A-9429 — REGISTERED PROFESSIONAL ARCHITECT
October 27, 2017

DESIGNED BY: TIM WHITELEY

DRAWN BY: AL, AR

PATH: Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS\1121-K

TAB: A3.1 Friday, October 27, 2017 11:59:53 AM AMANDA ROBINSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

Elevations

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	A3.1	35

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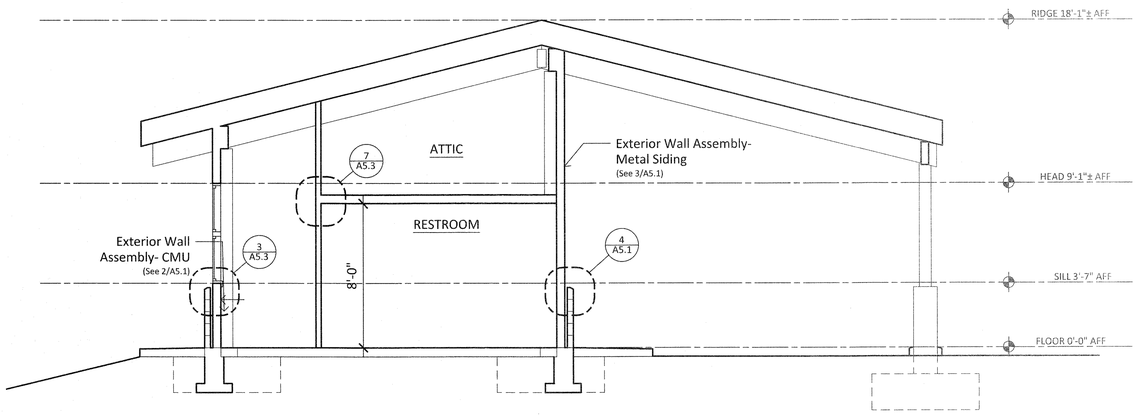
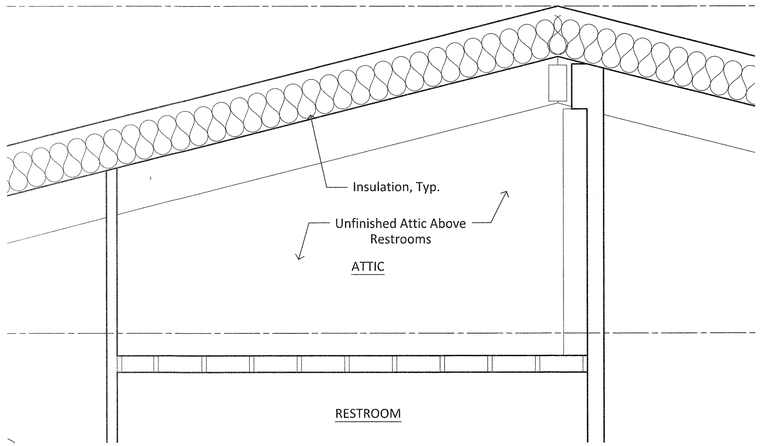
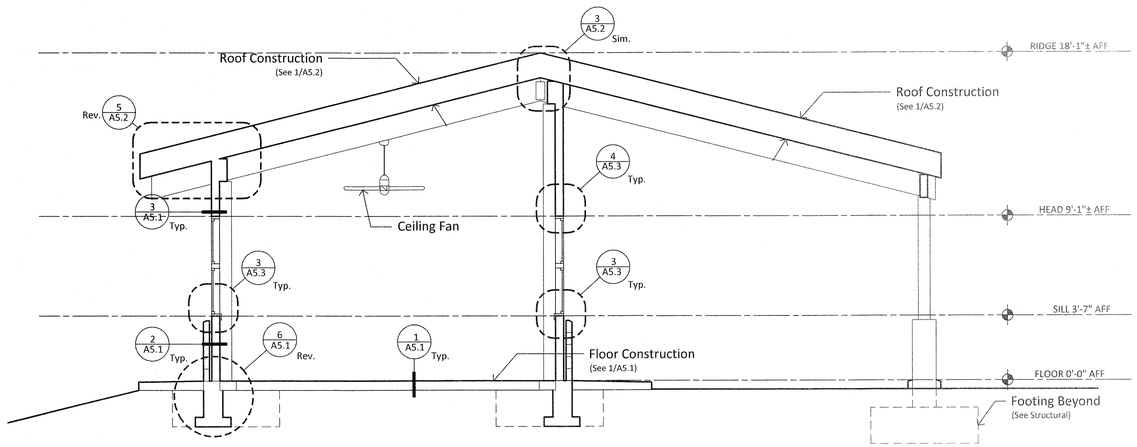


2 Section Thru Restroom

0 2' 4'



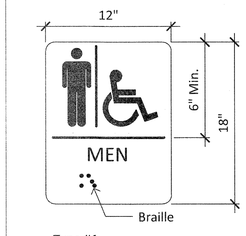
1 Not Used



3 Section Thru Seating Area

0 2' 4'

INTERIOR SIGNAGE SCHEDULE



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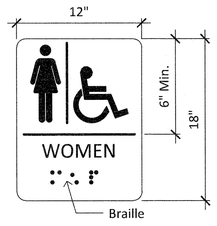

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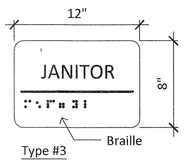

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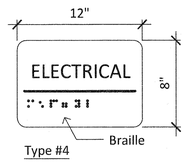

Type #4

RECORD DRAWINGS

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October 27, 2017

WELSHWHITELEYARCHITECT, LLC

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Drawings Prepared By:
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CHECKED BY: TIM WHITELEY

STATE OF ALASKA — 49TH — Timothy Whiteley No. A-9429 — REGISTERED PROFESSIONAL ARCHITECT
October 27, 2017

DESIGNED BY: TIM WHITELEY
DRAWN BY: AL, AR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

Sections

PATH: Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS\1121-K
TAB: A3.2 Friday, October 27, 2017 11:59:29 AM AMANDA ROBINSON

REVISIONS NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	A3.2	35

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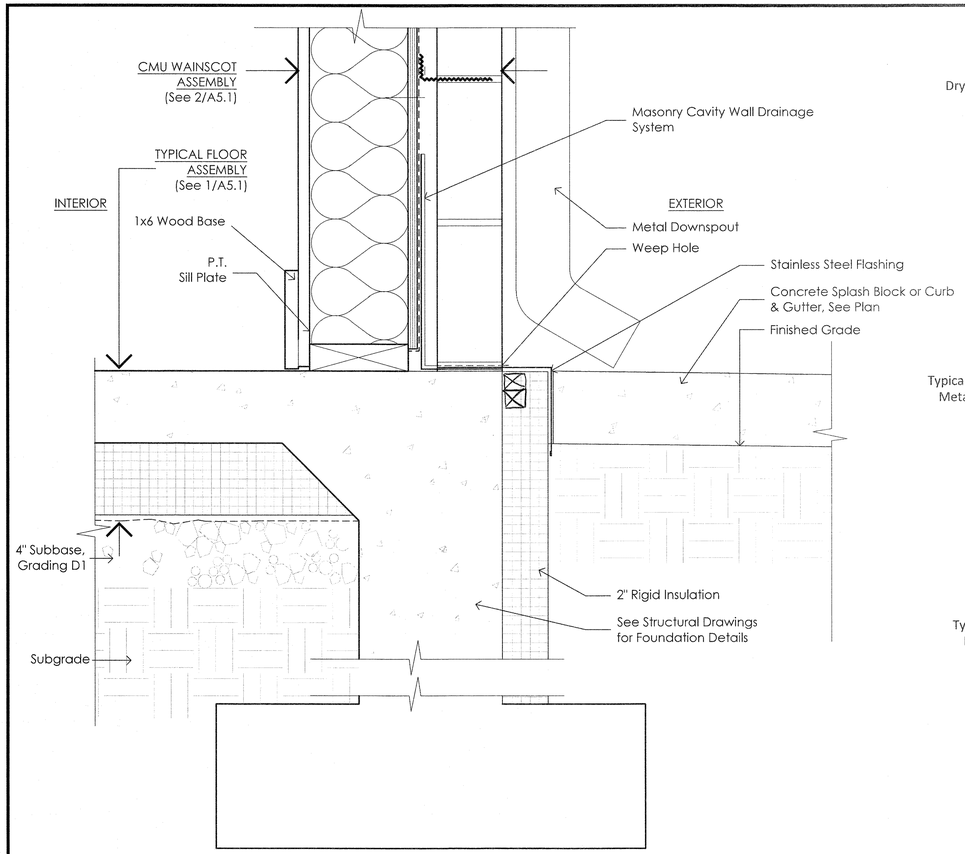
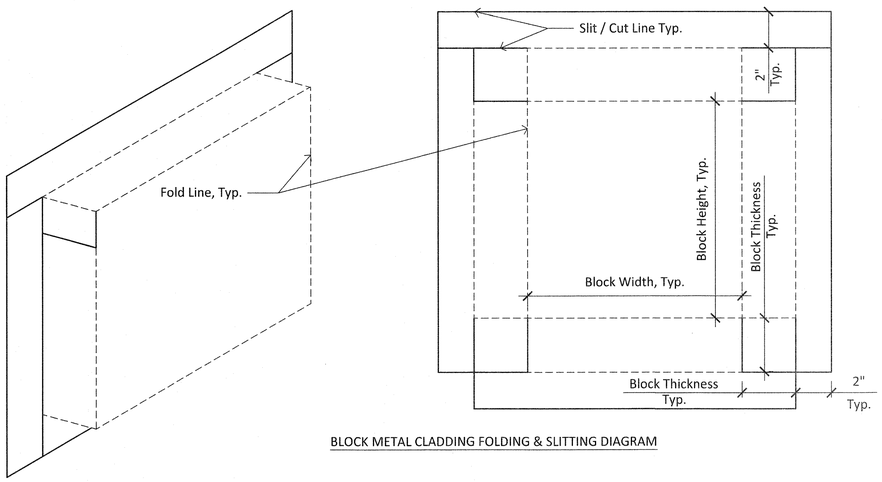
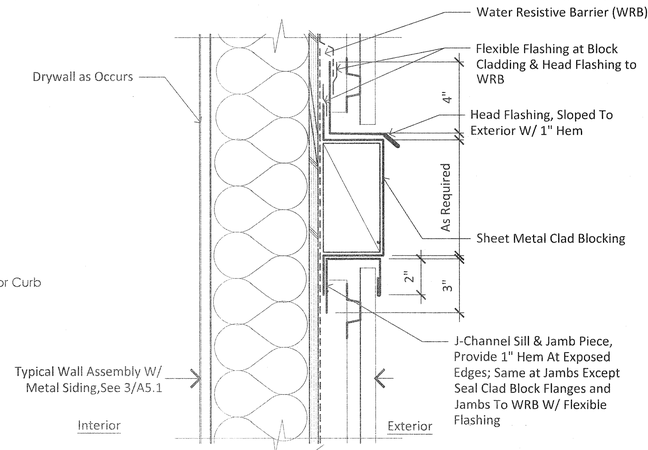


6 Wall and Floor at Foundation

0 1" 3" 6"

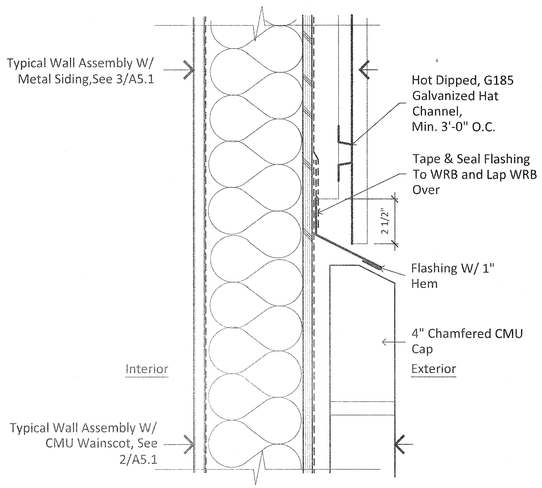


BLOCK METAL CLADDING FOLDING & SLITTING DIAGRAM



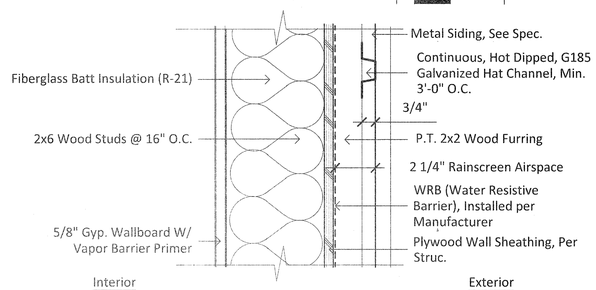
5 Exterior Mounting Block

0 1" 3" 6"



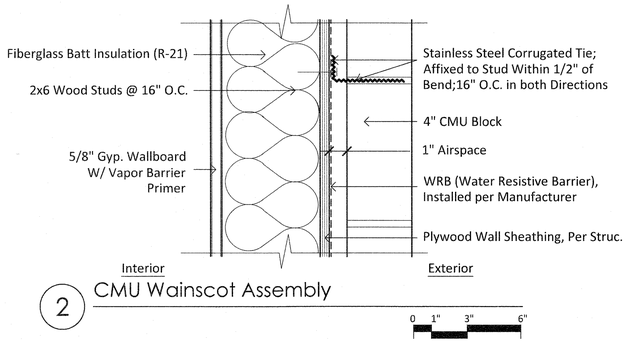
4 Metal Siding to CMU Wainscot Joint

0 1" 3" 6"



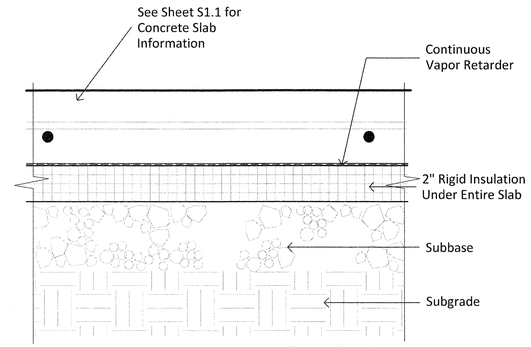
3 Exterior Wall Assembly @ Metal Siding

0 1" 3" 6"



2 CMU Wainscot Assembly

0 1" 3" 6"



1 Typical Floor Assembly

0 1" 3" 6"

RECORD DRAWINGS

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October 27, 2017

WELSHWHITELEYARCHITECT, LLC

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Drawings Prepared By:

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STATE OF ALASKA · 49TH · Timothy Whiteley · No. A-9429 · REGISTERED PROFESSIONAL ARCHITECT
October 27, 2017

DESIGNED BY: TIM WHITELEY

DRAWN BY: AL, AR

PATH: Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS\1121-K

TAB: A5.1 Friday, October 27, 2017 11:59:06 AM AMANDA ROBINSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

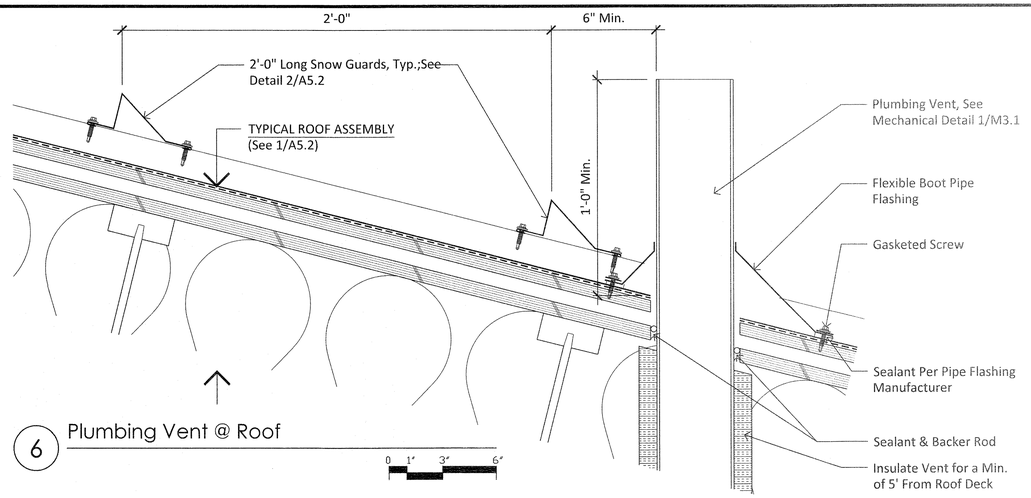
KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

Details

REVISIONS NO.	DATE	DESCRIPTION

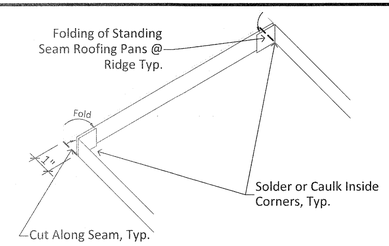
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	A5.1	35

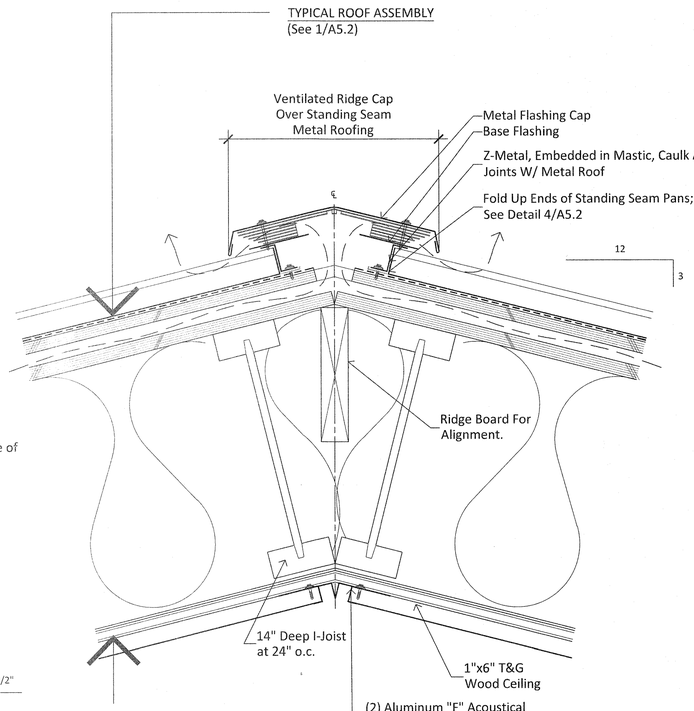
AeccDbFace (AeccLand100)



6 Plumbing Vent @ Roof

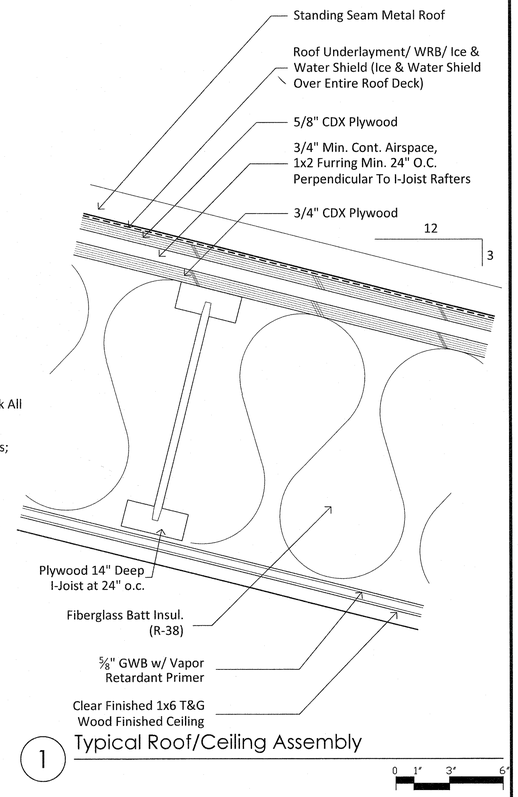
0 1" 3" 6"





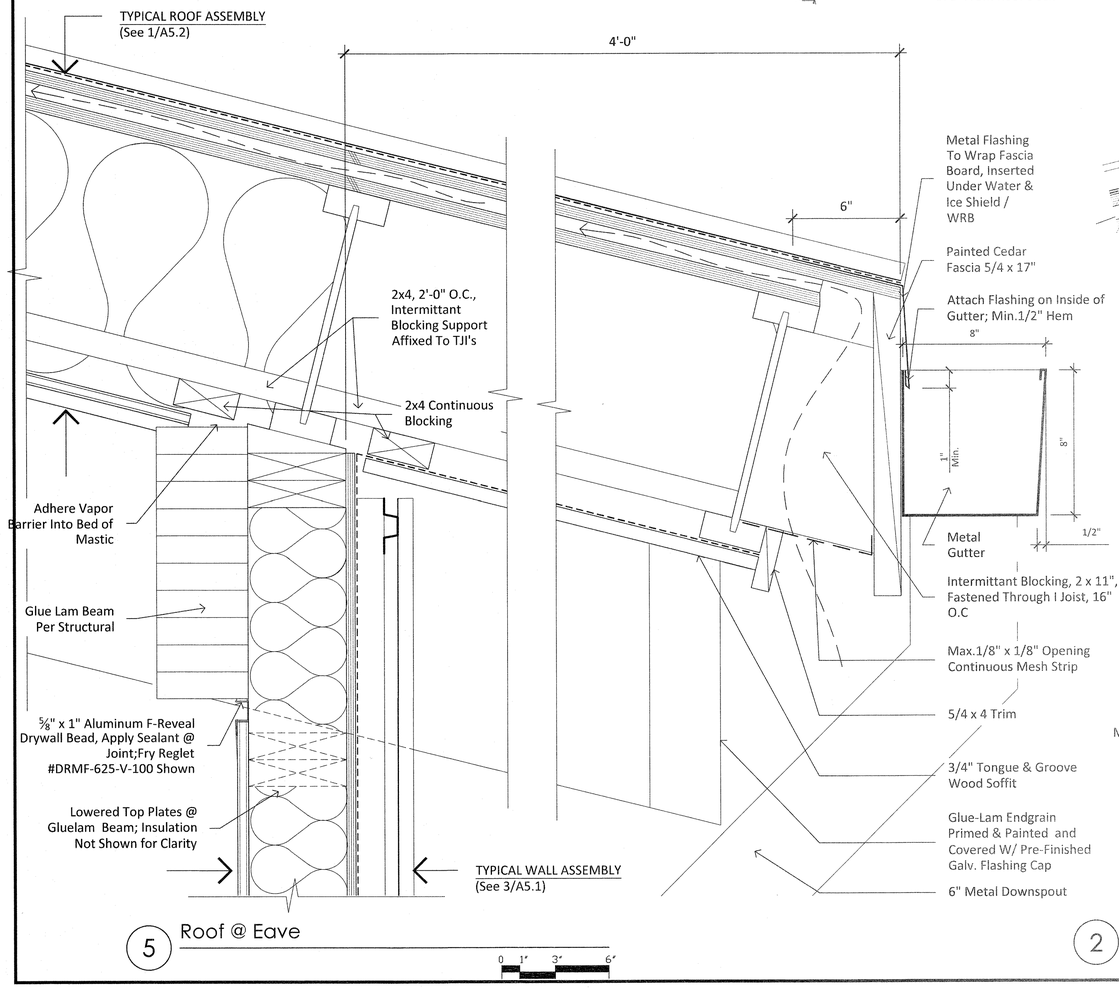
4 Metal Standing Seam Roofing @ Ridge

0 1" 3" 6"



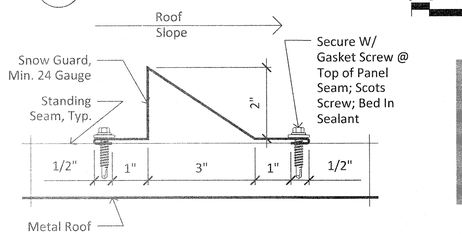
1 Typical Roof/Ceiling Assembly

0 1" 3" 6"



5 Roof @ Eave

0 1" 3" 6"



3 Roof Ridge

0 1" 3" 6"

2 Snow Guard

0 1" 2"

RECORD DRAWINGS

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DESIGNED BY: TIM WHITELEY

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PATH: Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS\1121-K

TAB: A5.2 Friday, October 27, 2017 11:58:01 AM AMANDA ROBINSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

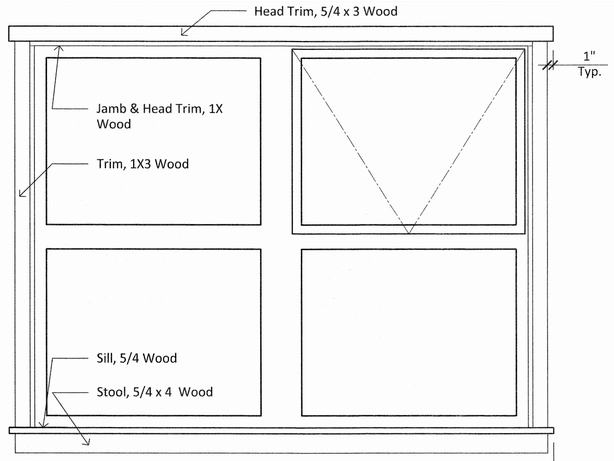
KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

Details

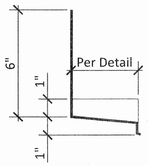
REVISIONS NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	A5.2	35

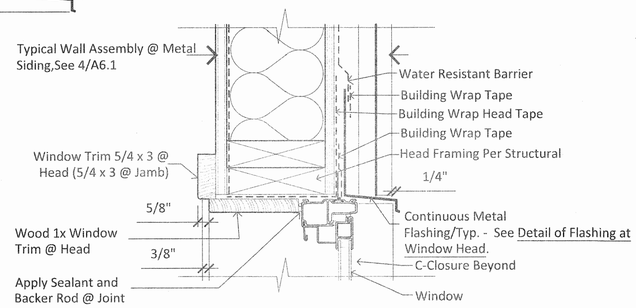
AeccDbFace (AeccLand100)



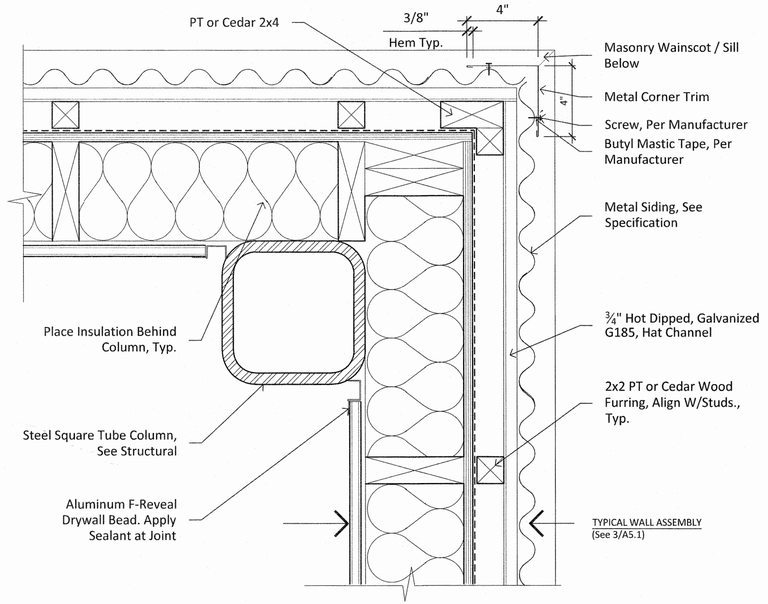
6 Interior Window Trim



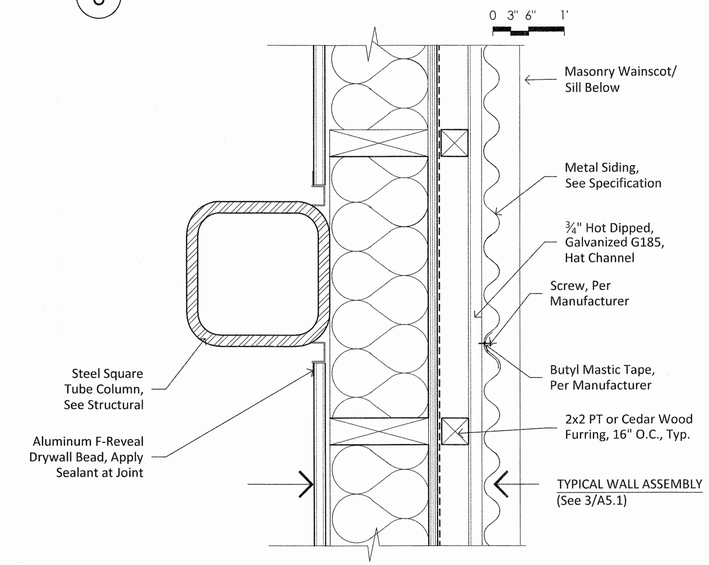
DETAIL OF FLASHING AT WINDOW HEAD



4 Window Head



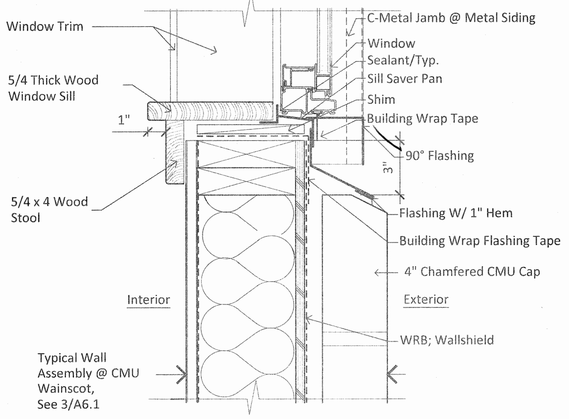
1 Wall @ Corner



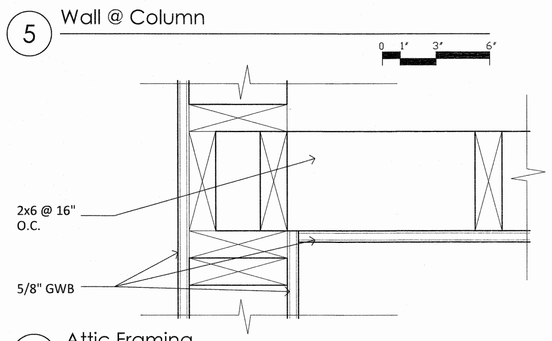
5 Wall @ Column

Note: See Membrane & Metal Flashing Details on Sheet A5.4

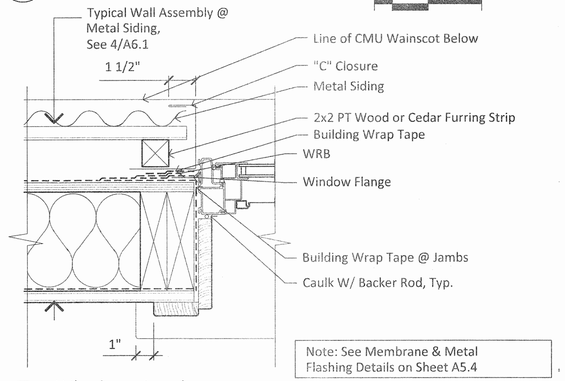
Note: See Membrane & Metal Flashing Details on Sheet A5.4



3 Window Sill



7 Attic Framing



2 Window Jamb

RECORD DRAWINGS

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October 27, 2017

WELSHWHITELEYARCHITECT, LLC

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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STATE OF ALASKA — 49TH — Timothy Whiteley — No. A-9429 — REGISTERED PROFESSIONAL ARCHITECT
October 27, 2017

DESIGNED BY: TIM WHITELEY

DRAWN BY: AL, AR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

Details

PATH: Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS\1121-K

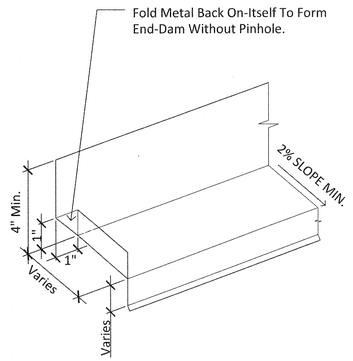
TAB: A5.3 Friday, October 27, 2017 11:57:45 AM AMANDA ROBINSON

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	SAMHS00002	2015	A5.3	35

AeccDbFace (AeccLand100)

GENERAL NOTES:

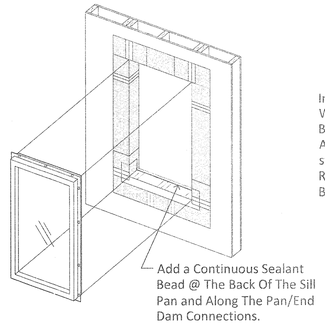
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
3. ALL WINDOW MATERIALS MUST BE COMPATIBLE WITH WATER-RESISTANT PRODUCTS.
4. FOR AIR BARRIER DESIGN, USE WATER-RESISTANT BARRIER WITH WATER-RESISTANT BARRIER TAPE @ ALL MEMBRANE JOINTS. (HORIZONTAL AND VERTICAL)



Typical Metal Head Flashing With Folded End Dams, (By Others).

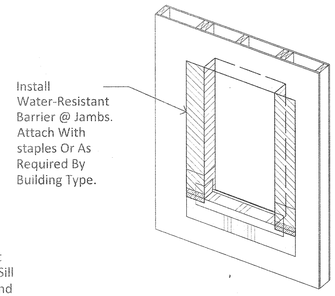
10 Window Flashing Application
Step 9b of 10

NOTE: Install & Secure Window In Accordance With Window Mfg's Recommendations.



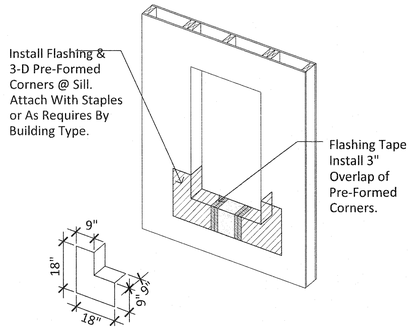
7 Window Flashing Application
Step 7 of 10

NOTE: Lap Jamb Flashing Over End Dams Of Sill Pan.

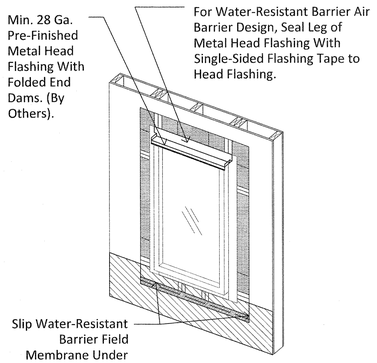


4 Window Flashing Application
Step 4 of 10

NOTE: Use Adhesive to Attach Water-Resistant Barrier and 3-D Corners to Steel Studs.

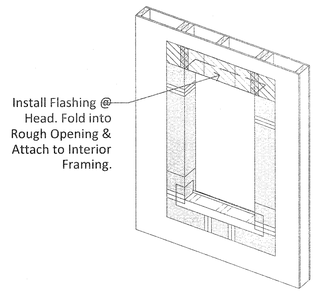


2 Window Flashing Application
Step 2 of 10



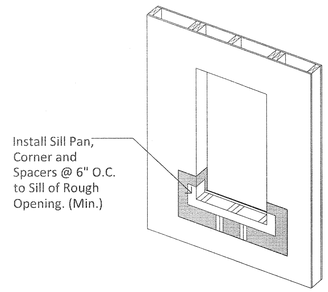
9 Window Flashing Application
Step 9a of 10

NOTE: Use Adhesive to Attach Flashing & 3-D Corners to Steel Studs.

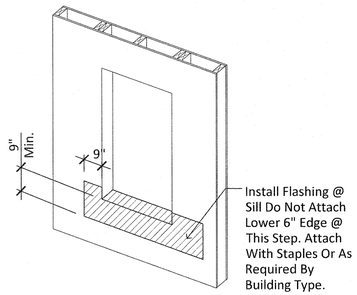


6 Window Flashing Application
Step 6 of 10

NOTE: Some Window Mfg's Require Continuous Support @ Sill.



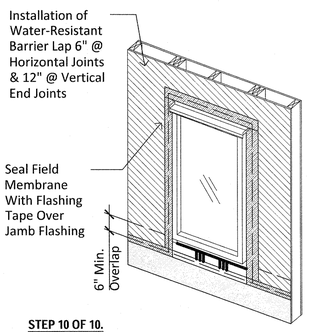
3 Window Flashing Application
Step 3 of 10



Protect Wall Assembly From Moisture.

1 Window Flashing Application
Step 1 of 10

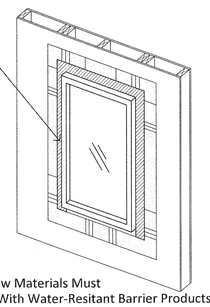
NOTE: Upper Water-Resistant Barrier Field Membrane Must Lap Over Lower Membranes, Shingle Fashion.



STEP 10 OF 10.

11 Window Flashing Application
Step 10 of 10

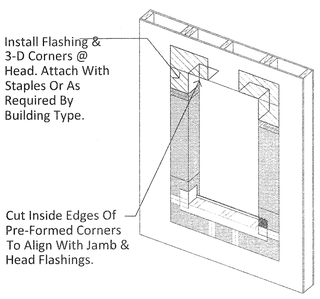
Seal Window Nailing Flange To Flashing With Single-Sided 3" Flashing Tape Along Head And Jambs Only. Roll to Activate Adhesive.



NOTE: All Window Materials Must Be Compatible With Water-Resitant Barrier Products.

8 Window Flashing Application
Step 8 of 10

NOTE: Use Adhesive to Attach Flashing & 3-D Corners to Steel Studs.



5 Window Flashing Application
Step 5 of 10

RECORD DRAWINGS

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October 27, 2017

WELSHWHITELEYARCHITECT, LLC

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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DESIGNED BY:	TIM WHITELEY
DRAWN BY:	AL, AR
PATH:	Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS\1121-K
TAB:	A5.4 Friday, October 27, 2017 11:57:25 AM AMANDA ROBINSON

STATE OF ALASKA
Timothy Whiteley
No. A-9429
REGISTERED PROFESSIONAL ENGINEER
October 27, 2017

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

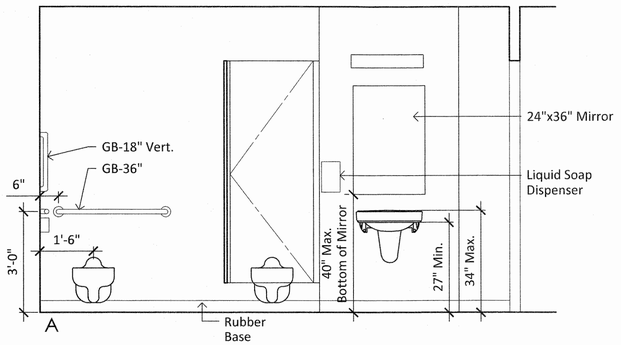
KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

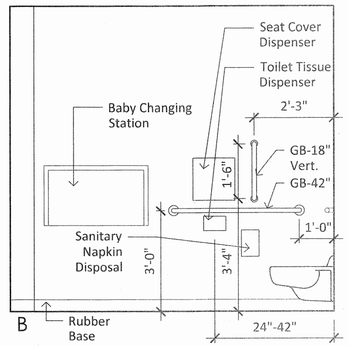
Details

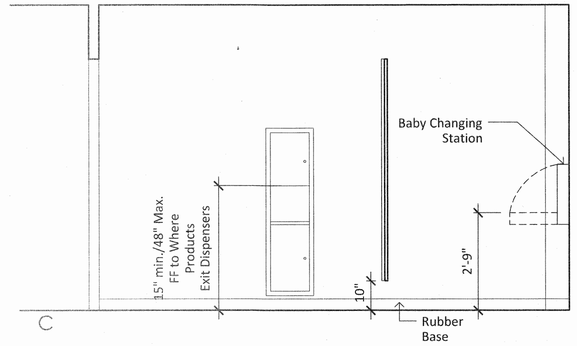
REVISIONS NO.	DATE	DESCRIPTION

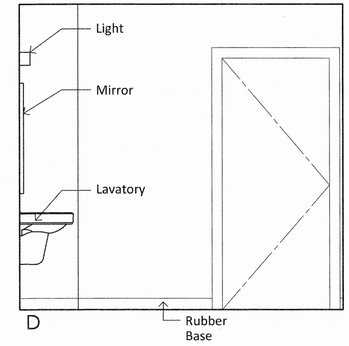
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	A5.4	35

AeccDbFace (AeccLand100)

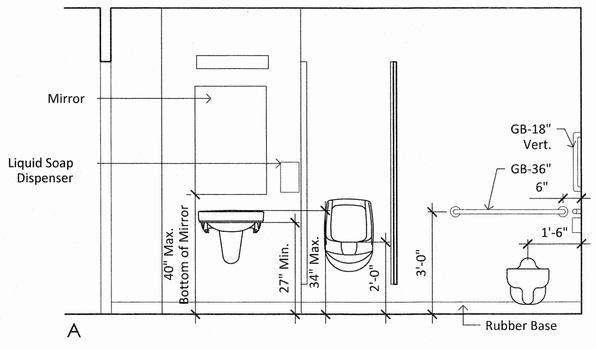


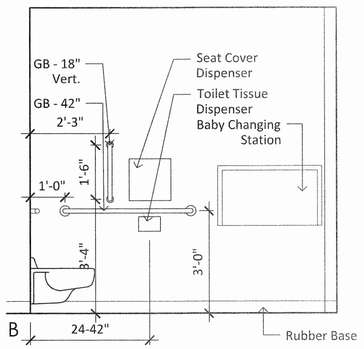


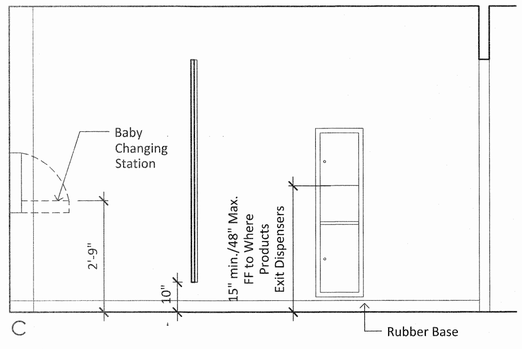


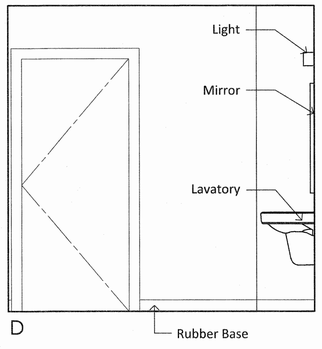


1 Women's Restroom 0 6" 1' 2'

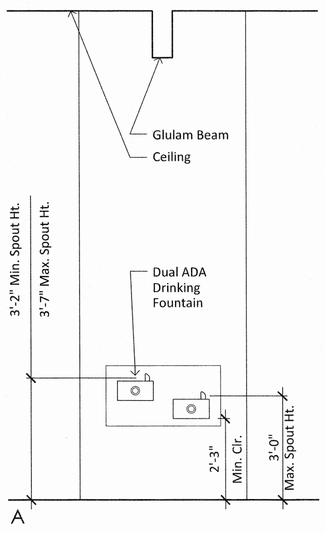




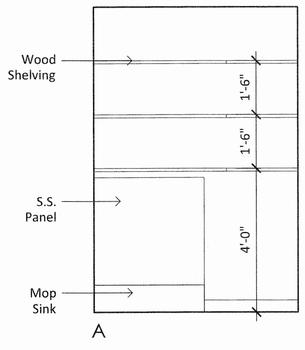


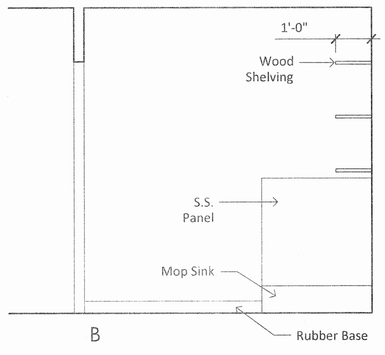


2 Men's Restroom 0 6" 1' 2'



3 ADA Drinking Fountain 0 6" 1' 2'





4 Janitorial Closet 0 6" 1' 2'

RECORD DRAWINGS

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October 27, 2017

WELSHWHITELEYARCHITECT, LLC

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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CHECKED BY: TIM WHITELEY

STATE OF ALASKA · Timothy Whiteley · No. A-9429 · REGISTERED PROFESSIONAL ARCHITECT · October 27, 2017

DESIGNED BY: TIM WHITELEY

DRAWN BY: AL, AR

PATH: Y:\2011 PROJECTS\1121_ANGOON & KAKE FERRY TERMINALS\10 DRAWINGS\2-KAKE SHEETS\1121-K

TAB: A5.5 Friday, October 27, 2017 11:56:44 AM AMANDA ROBINSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

Interior Elevations

REVISIONS NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	A5.5	35

AeccDbFace (AeccLand100)

STRUCTURAL GENERAL NOTES

CRITERIA:

CODE:

CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE INTERNATIONAL BUILDING CODE (IBC), 2009 EDITION, AS AMENDED BY THE STATE OF ALASKA.

GROUND SNOW LOAD: 85 PSF
ROOF SNOW LOAD: AT HEATED BUILDING ROOF= 60 PSF
AT UNHEATED ROOF STRUCTURE= 65 PSF

WIND: 110 MPH (3 SECOND GUST), EXPOSURE D, I= 1.0

SEISMIC:
SITE CLASSIFICATION D
Ss= 0.32g Fa= 1.55 Sds= 0.33g
S1= 0.23g Fv= 1.94 Sd1= 0.30g
R= 1.25, CANTILEVERED COLUMN SYSTEM, ORDINARY STEEL MOMENT FRAME
IMPORTANCE, I = 1.0
Cd= 1.25
Ω_0= 1.25
Cs= 0.26g

FOUNDATION:
FOUNDATION HAS BEEN DESIGNED FOR AN ASSUMED ALLOWABLE SOIL PRESSURE OF 3000 PSF BASED ON THE ANTICIPATION OF ENCOUNTERING TYPE 3 SOILS (SANDY GRAVEL OR GRAVEL, FIRM) AS DESCRIBED IN TABLE 1806.2 OF THE IBC. VERIFY CONDITIONS AT THE LIMIT OF EXCAVATION IN THE PRESENCE OF THE PROJECT ENGINEER.

FOUNDATION SHALL BEAR ON A COMPACTED BASE COURSE OVER COMPACTED NATIVE MATERIAL. EXCAVATE TO A MINIMUM OF 4 INCHES BELOW BOTTOM OF SLAB AND FOOTINGS. COMPACT NATIVE MATERIAL WITH A MINIMUM EFFORT OF 6 PASSES WITH A DOUBLE DRUM ROLLER OR VIBRATORY PLATE COMPACTOR WITH A MINIMUM CENTRIFUGAL FORCE OF 15,000 POUNDS.

BASE COURSE SHALL BE COMPACTED WITH A MINIMUM EFFORT OF 6 PASSES OF A DOUBLE DRUM ROLLER OR VIBRATORY PLATE COMPACTOR WITH A MINIMUM CENTRIFUGAL FORCE OF 15,000 POUNDS. BASE COURSE SHALL MEET BASE COURSE C-1 REQUIREMENTS ACCORDING TO ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2015 EDITION.

CONCRETE:
CONCRETE SHALL MEET CLASS A REQUIREMENTS ACCORDING TO ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2015 EDITION WITH 28 DAY STRENGTH fc = 4,000 PSI. FOR CONSTRUCTION REQUIREMENTS AND REQUIRED SUBMITTALS SEE SPECIFICATIONS REFERENCED ABOVE.

CONCRETE REINFORCING SHALL CONFORM TO ASTM A615 GRADE 60. FABRICATE AND PLACE STEEL REINFORCEMENT IN ACCORDANCE WITH CRSI'S "MANUAL OF STANDARD PRACTICE". REINFORCING SHALL BE SUPPORTED ON WELL-CURED BLOCKS OR APPROVED METAL ACCESSORIES. WELDING OF REINFORCING IS PROHIBITED. SUBMIT FABRICATION SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO COMMENCING FABRICATION.

PROVIDE MINIMUM COVER AT REINFORCING BARS AS FOLLOWS: EXCEPT AT SLABS-ON-GRADE FOR CAST AGAINST EARTH – 3"; EXPOSED TO EARTH OR WEATHER – 2"; INTERIOR SLABS-ON-GRADE – 1.5".

AT WALL CORNERS AND INTERSECTING WALLS PROVIDE EITHER CORNER BARS, WITH THE SAME SIZE AND SPACING AS THE HORIZONTAL WALL STEEL, WITH A 50 DIAMETER LAP IN THE OUTSIDE FACE OF THE WALL, OR EXTEND HORIZONTAL STEEL WITH 90 DEGREE HOOK AND 50 BAR DIAMETER LAP SPLICE.

FINISH INTERIOR SLABS WITH A SMOOTH STEEL TROWEL FINISH AFTER BULLFLOAT. APPLY 1ST TROWEL AND CONSOLIDATE CONCRETE BY HAND OR MACHINE TROWEL. CONTINUE TROWEL PASSES UNTIL SURFACE IS FREE OF TROWEL MARKS AND UNIFORM IN TEXTURE AND APPEARANCE GRIND SMOOTH ANY SURFACE DEFECTS. SEAL SURFACE WITH PENETRATING SILANE OR SILOXANE SEALER.

STRUCTURAL STEEL:
ALL STEEL SHALL CONFORM TO THE FOLLOWING:

HOLLOW RECTANGULAR SECTIONS:	ASTM A500, GRADE B
PLATES:	ASTM A36
ANCHOR BOLTS:	ASTM A307, HEADED BOLTS, GALVANIZED
OTHER BOLTS:	ASTM A307, GALVANIZED

ALL STEEL SHALL BE FABRICATED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE, LATEST EDITION. SUBMIT FABRICATION SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO COMMENCING FABRICATION.

ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE", AND BE PERFORMED BY WELDERS QUALIFIED IN ACCORDANCE WITH D1.1. SMAW SHALL UTILIZE E70XX ELECTRODES. SUBMIT WELDER QUALIFICATIONS AND WELDING PROCEDURES FOR REVIEW AND APPROVAL.

STRUCTURAL STEEL INSIDE THE BUILDING ENVELOPE SHALL BE SHOP PAINTED WITH THE FABRICATOR'S STANDARD LEAD AND CHROMATE FREE, NONASPHALTIC, RUST-INHIBITING PRIMER COMPLYING WITH MPI#79 AND COMPATIBLE WITH TOPCOAT.

STRUCTURAL STEEL OUTSIDE THE BUILDING ENVELOPE OR DESIGNATED AS (GALV) SHALL BE HOT-DIP GALVANIZED PER ASTM A153. CLEAN AREAS WHERE GALVANIZING IS DAMAGED OR MISSING AND REPAIR GALVANIZING TO COMPLY WITH ASTM A780 USING ZINC ALLOY STICK METHOD AND TOP COATED WITH BRUSH APPLIED COLD GALVANIZING PAINT.

GROUT:
NONMETALLIC, NONCORROSIVE, NONSTAINING, SHRINKAGE-RESISTANT GROUT MEETING ASTM C1107. GROUT SHALL BE FACTORY-PACKAGED AND MIXED WITH WATER TO CONSISTENCY SUITABLE FOR APPLICATION AND A MINIMUM 30-MINUTE WORKING TIME.

PLYWOOD:
ALL SHEATHING SHALL BE STANDARD PLYWOOD AS GRADED BY THE AMERICAN PLYWOOD ASSOCIATION CONFORM TO APA PS1 AND BEAR THAT QUALITY MARK. ALL PLYWOOD SHALL BE MADE WITH EXTERIOR TYPE GLUE. FLAT BLOCKING SHALL BE USED AT ALL PLYWOOD EDGES AS NOTED ON THE TYPICAL DETAILS OR SHOWN IN THE PLANS. ALL PLYWOOD IN CONTACT WITH OR WITHIN 6 INCHES OF SOIL OR DESIGNATED AS (P/T) SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA C-9, WITH ACZA TO A NET RETENTION OF 0.40 PCF.

LUMBER:
ALL WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO IBC, CHAPTER 23. ALL SAWN LUMBER SHALL BE VISUALLY GRADED IN ACCORDANCE WITH THE W.W.P.A. GRADING RULES. SAWN LUMBER AT THE FOLLOWING LOCATIONS SHALL MEET THE FOLLOWING GRADES, UNLESS NOTED OTHERWISE:

ALL TIMBER GREATER THAN 5.5 INCHES THICK : DOUG FIR NO. 1
ALL OTHER TIMBER 2 TO 4 INCHES THICK : DOUG FIR NO. 2

LAMINATED VENEER LUMBER:
LAMINATED VENEER LUMBER SHALL HAVE THE FOLLOWING PROPERTIES =

MODULES OR ELASTICITY, E = 2.0x10 PSI
ALLOWABLE FLEXURAL STRESS, Fb = 2900 PSI
ALLOWABLE COMPRESSION PERPENDICULAR TO GRAIN, Fc = 750 PSI
ALLOWABLE SHEAR PARALLEL TO GRAIN = 285 PSI

TREATED LUMBER:
ALL TIMBER IN CONTACT WITH CONCRETE, EXPOSED TO WEATHER, OR AS INDICATED AS (P/T) ON THE PLANS SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA C2. FIELD TREAT CUTS, HOLES OR DAMAGE TO TREATMENT WITH CUPRINOL IN ACCORDANCE WITH AWPA M4.

GLUED LAMINATED TIMBERS:
GLUED LAMINATED TIMBER BEAMS SHALL COMPLY WITH ANSI A190.1 COMBINATION 24F-V4 FOR SINGLE SPANS AND 24F-V8 FOR MULTISPANS AND BE ARCHITECTURAL APPEARANCE GRADE. MULTIPLE SPAN BEAMS SHALL BE MADE WITH NO CAMBER.

MANUFACTURED WOOD ROOF AND FLOOR TRUSSES AND JOISTS:
ALL WOOD MANUFACTURED JOISTS SHALL BE FACTORY MANUFACTURED WITH MATERIAL DESIGNED TO SUPPORT THE LOADING SHOWN ON THE DRAWINGS. I JOIST SHALL HAVE CAPACITIES AND PROPERTIES AS LISTED. SUBMIT DETAILED SHOP DRAWINGS AND DESIGN CALCULATIONS OF ALL TRUSSES AND MANUFACTURED JOISTS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO SHIPPING.

WOOD CONNECTIONS AND FRAMING:
ALL FRAMING NAILING SHALL CONFORM TO TABLE 2304.9.1 OF THE IBC UNLESS OTHERWISE SHOWN. STANDARD WASHERS SHALL BE UNDER ALL BOLT HEADS AND NUTS CONTACTING WOOD. PROVIDE STEEL STRAPS AT PIPES IN STUD WALLS AS REQUIRED BY IBC. BOLTS SHALL BE STANDARD ASTM A307, GALVANIZED. ALL NAILS SHALL BE COMMON WIRE OR BOX NAILS AND SHALL BE HOT-DIP GALVANIZED PER ASTM A153. ALL WOOD SCREWS AND LAG SCREWS SHALL BE HOT-DIP GALVANIZED PER ASTM A153.

INSTALL FIRE BLOCKING WHERE REQUIRED BY IBC 717.2.2.

LAG SCREWS SHALL BE INSTALLED IN ACCORDANCE WITH NDS PART 11.

A. LEAD HOLES FOR LAG SCREWS SHALL BE BORED AS FOLLOWS:
   1. THE CLEARANCE HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK, AND THE SAME DEPTH OF PENETRATION AS THE LENGTH OF UNTHREADED SHANK.
   2. THE LEAD HOLE FOR THE THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 40% TO 70% OF THE SHANK DIAMETER IN WOOD WITH G ≤ 0.5 AND A LENGTH EQUAL TO AT LEAST THE LENGTH OF THE THREADED PORTION. THE LARGER PERCENTILE IN EACH RANGE SHALL APPLY TO LAG SCREWS OF GREATER DIAMETER.
B. THE THREADED PORTION OF THE LAG SCREW SHALL BE INSERTED IN ITS LEAD HOLE BY TURNING WITH A WRENCH, NOT BY DRIVING WITH A HAMMER.
C. LUBRICANT SHALL BE USED ON THE LAG SCREWS OR IN THE LEAD HOLES TO FACILITATE INSERTION AND PREVENT DAMAGE TO THE LAG SCREW.

MISCELLANEOUS:
REFER TO ARCHITECTURAL PLANS FOR WALL OPENINGS, ARCHITECTURAL TREATMENT AND DIMENSIONS NOT SHOWN, CONSULT MECHANICAL PLANS FOR SIZE AND LOCATION OF ALL OPENINGS FOR DUCTS, PIPING, ETC. NOT SHOWN. COORDINATE WITH ARCHITECTURAL FOR DETAILED INFORMATION. PROVIDE AND INSTALL BLOCKING BETWEEN STUDS AT MECHANICAL EQUIPMENT AND SEISMIC RESTRAINT PER MECHANICAL.

ABBREVIATIONS

AITC	AMERICAN INSTITUTE FOR TIMBER CONSTRUCTION
APA	AMERICAN PLYWOOD ASSOCIATION
APP	APPROXIMATELY
ARCH	ARCHITECT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWPA	AMERICAN WOOD PRESERVER'S ASSOCIATION
BLDG	BUILDING
BLKG	BLOCKING
BN	BOUNDARY NAILING
BTWN	BETWEEN
℄	CENTERLINE
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CP	COMPLETE PENETRATION
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CY	CUBIC YARD
DBL	DOUBLE
EA	EACH
EMBED	EMBEDMENT
EN ER	EDGE NAILING EVALUATION REPORT
EW	EACH WAY
FND	FOUNDATION
FT	FEET
FTG	FOOTING
G	SPECIFIC GRAVITY OF WOOD
GALV	GALVANIZED
GLB	GLU LAM BEAM
HSS	HOLLOW STRUCTURAL STEEL
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
MAX.	MAXIMUM
MIN.	MINIMUM
NDS	NATIONAL DESIGN SPECIFICATION
NO.	NUMBER
O.C.	ON CENTER
ℙ	PLATE
P/T	PRESSURE TREATED
PSI	POUNDS PER SQUARE INCH
REINF	REINFORCING
REQ'D	REQUIRED
SIM	SIMILAR
STD	STANDARD
STR	STRUCTURAL
TYP.	TYPICAL
W/C	WATER/CEMENT
W.P.	WORK POINT
U.N.O.	UNLESS NOTED OTHERWISE

RECORD DRAWINGS

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October 9, 2017

WELSHWHITELEYARCHITECT, LLC

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLANS PREPARED BY:
PND ENGINEERS, INC.
9360 GLACIER HWY
JUNEAU, AK 99801

CHECKED BY: CMG
DESIGNED BY: CMG
DRAWN BY: DRD

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET B

STRUCTURAL GENERAL NOTES

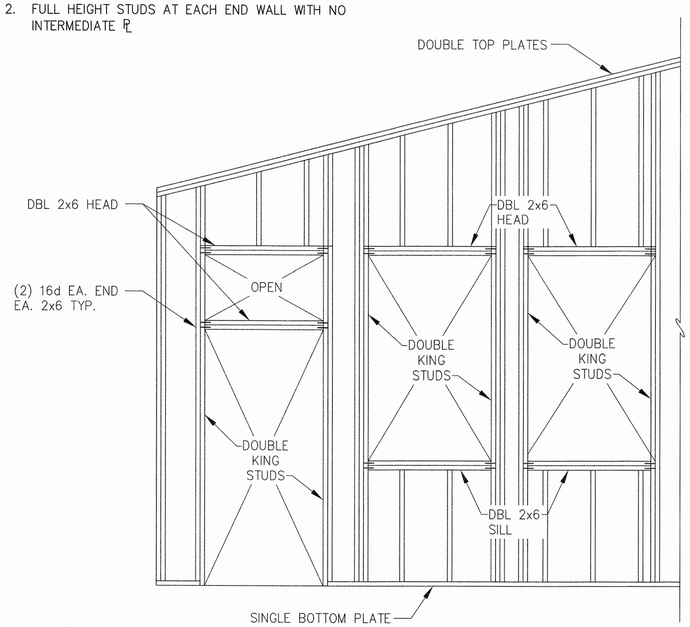
PATH: N:\12XXX\122068 AMHS KAKE TERMINAL\E1 DRAWINGS\PND\2017-9-29\S0.1.DWG
TAB: S0.1 Monday, October 09, 2017 8:15:19 AM DANIELLE DUNIVIN

REVISIONS NO.	DATE	DESCRIPTION

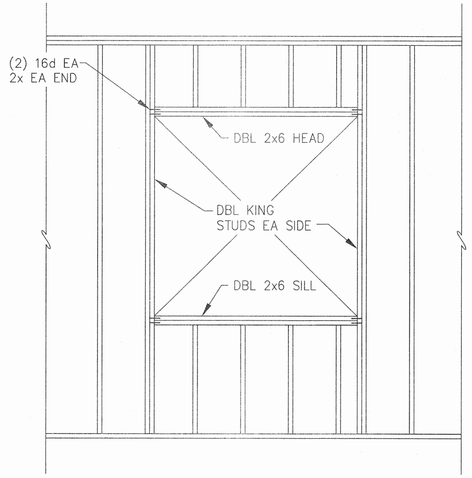
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	**S0.1**	35

NOTE:

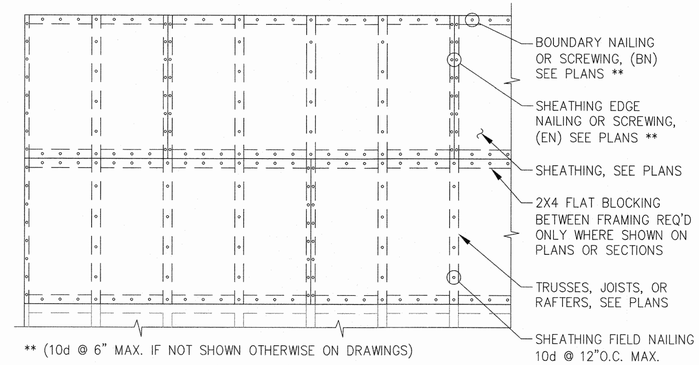
1. DOUBLE 2x6 KING STUDS WHERE STUD HEIGHT < 11FT
   TRIPLE 2x6 KING STUDS HEIGHT > 11FT
2. FULL HEIGHT STUDS AT EACH END WALL WITH NO INTERMEDIATE ℄



A TYPICAL END WALL FRAMING AT OPENINGS



B SIDEWALL WINDOW TYPICAL FRAMING



PLAN

NOTE:

1. STAGGER SHEATHING JOINTS A MINIMUM OF TWO JOIST SPACES
2. NAILS AT ABUTTING SHEATHING EDGES MUST PENETRATE THE SAME PIECE OF FRAMING OR BLOCKING.

C TYPCAL PLYWOOD ROOF DIAPHRAGM

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October 9, 2017

WELSHWHITELEYARCHITECT, LLC

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PLANS PREPARED BY:
PND ENGINEERS, INC.
9360 GLACIER HWY
JUNEAU, AK 99801

CHECKED BY: CMG	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION
DESIGNED BY: CMG	KAKE FERRY TERMINAL PASSENGER FACILITY PLANSET B
DRAWN BY: DRD	**STRUCTURAL FRAMING DETAILS**

PATH: N:\12XXX\122068 AMHS KAKE TERMINAL\E1 DRAWINGS\PND\2017-9-29\S0.2.DWG
TAB: S0.2 Monday, October 09, 2017 8:15:21 AM DANIELLE DUNIVIN

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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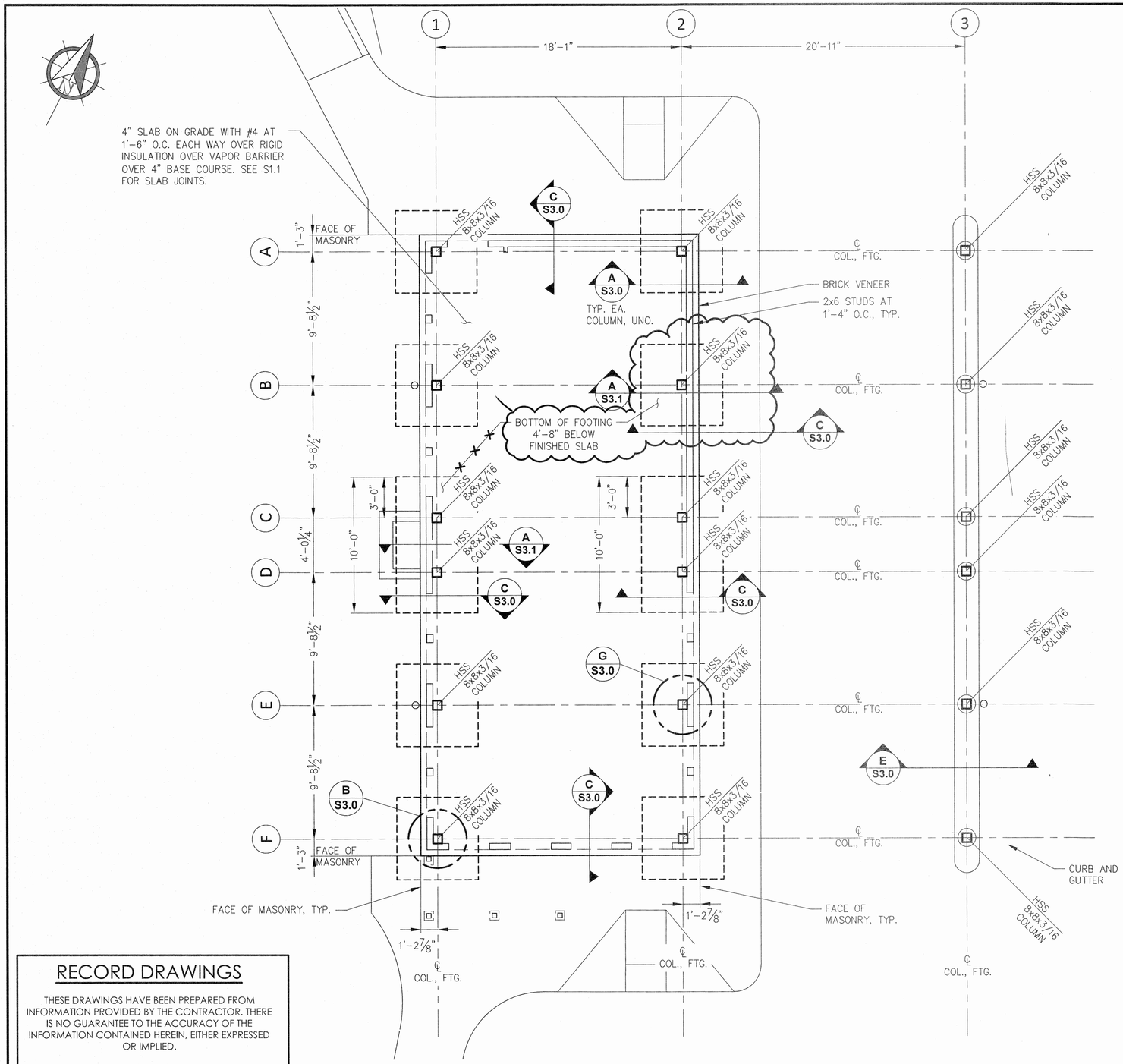

1 **FOUNDATION AND FLOOR FRAMNIG PLAN**

0 2 4 8 12 FT.

NOTE:
1. BOTTOM OF COLUMN FOOTINGS 2'-8" BELOW FINISHED FLOOR UNLESS NOTED OTHERWISE.
2. REFER TO CIVIL DRAWINGS FOR LAYOUT OF EXTERIOR SIDEWALK, CURB, AND GUTTER.
3. **THE BOTTOM OF THE COLUMN FOOTINGS AND THE BOTTOM OF THE PERIMETER FOOTINGS ARE AT THE SAME ELEVATION AND THE DISTANCE FROM TOP OF SLAB TO BOTTOM OF FOOTING IS 2'-8". THERE IS 4" BETWEEN BOTTOM OF SLAB AND TOP OF COLUMN FOOTING. THE 4" IS 4" OS INSULATION OR 2" OF INSULATION AND 2" OF COMPACTED GRAVEL.**

RECORD DRAWINGS

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October 9, 2017

WELSHWHITELEYARCHITECT, LLC

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PLANS PREPARED BY:
PND ENGINEERS, INC.
9360 GLACIER HWY
JUNEAU, AK 99801

CHECKED BY: CMG	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION
	KAKE FERRY TERMINAL PASSENGER FACILITY PLANSET B
	FOUNDATION AND FLOOR FRAMING PLAN ADD #1
DESIGNED BY: CMG	
DRAWN BY: DRD	
PATH: N:\12XXX\122068 AMHS KAKE TERMINAL\E1 DRAWINGS\PND\2017-9-29\S1.0.DWG	
TAB: S1.0 Monday, October 09, 2017 8:15:29 AM DANIELLE DUNIVIN	

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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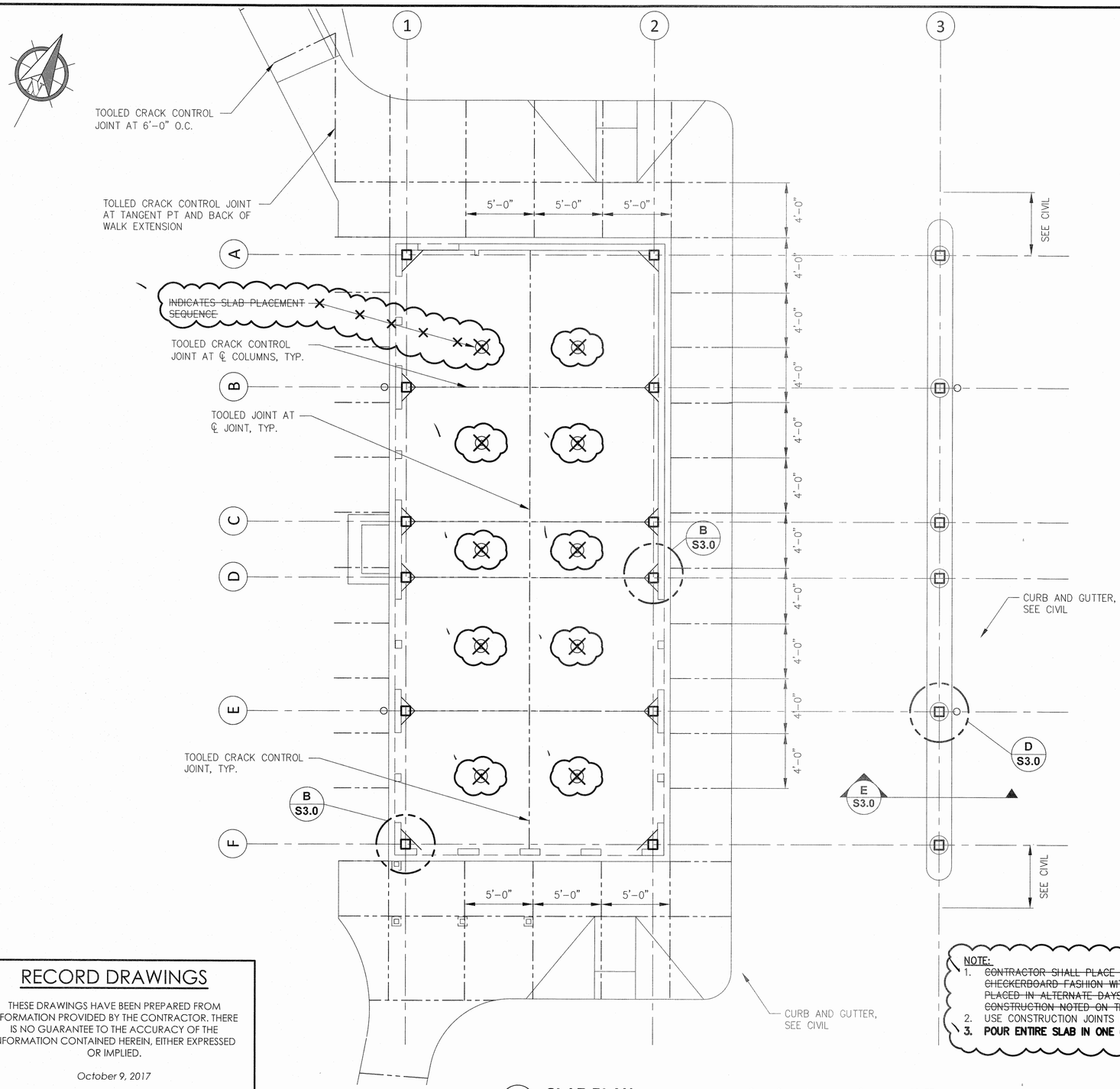
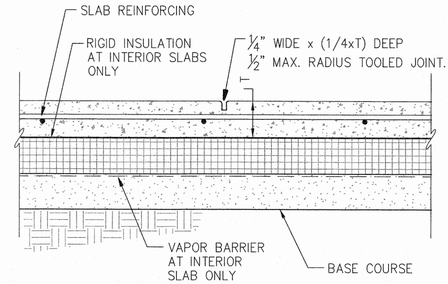
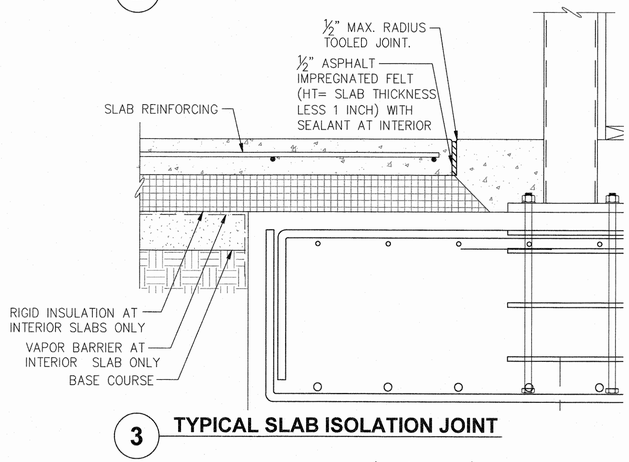


1 **SLAB PLAN**

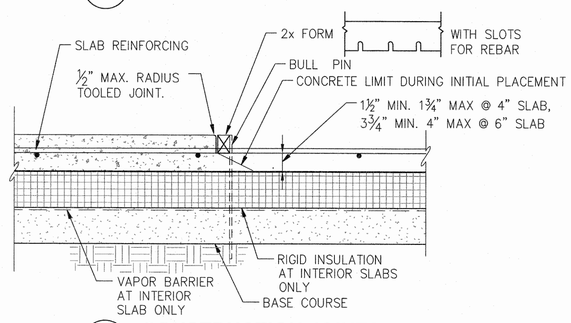
0 2 4 8 12 FT.



2 **TYPICAL SLAB CONTROL JOINT**



3 **TYPICAL SLAB ISOLATION JOINT**



4 **CONSTRUCTION JOINTS - LOCATE AT SLAB CONTROL JOINTS**

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NOTE:
1. ~~CONTRACTOR SHALL PLACE INTERIOR SLAB IN CHECKERBOARD FASHION WITH ALTERNATE AREAS PLACED IN ALTERNATE DAYS OF SEQUENCE OF CONSTRUCTION NOTED ON THE PLAN.~~
2. USE CONSTRUCTION JOINTS PER DETAIL 4, THIS SHEET.
3. **POUR ENTIRE SLAB IN ONE (1) POUR.**

RECORD DRAWINGS

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October 9, 2017

WELSHWHITELEYARCHITECT, LLC

PLANS PREPARED BY:
PND ENGINEERS, INC.
9360 GLACIER HWY
JUNEAU, AK 99801

CHECKED BY: CMG
DESIGNED BY: CMG
DRAWN BY: DRD

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET B

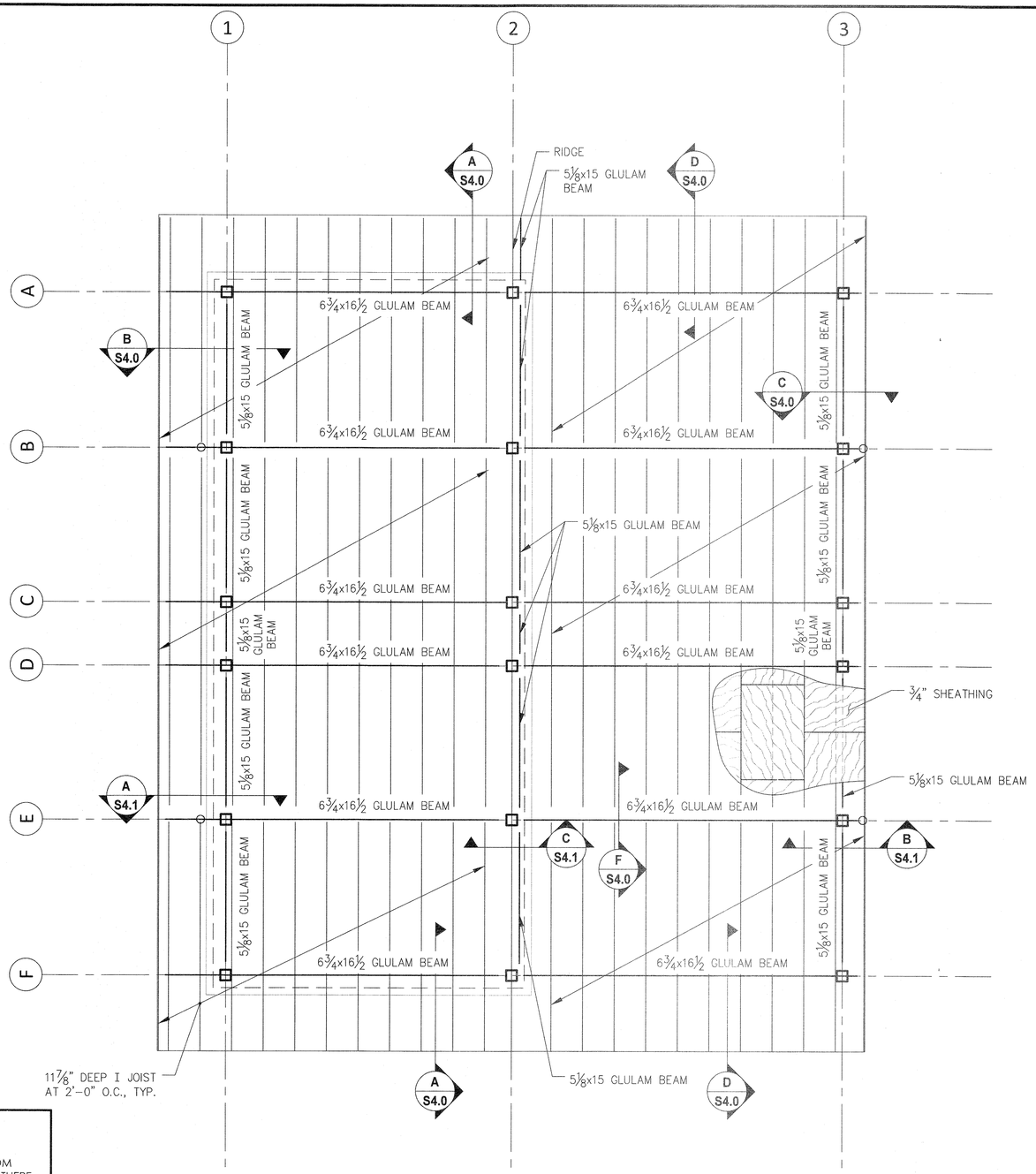
SLAB PLAN ADD #1

PATH: N:\12XXX\12206B AMHS KAKE TERMINAL\E1 DRAWINGS\PND\2017-9-29\S1.0.DWG
TAB: S1.1 Monday, October 09, 2017 8:15:30 AM DANIELLE DUNIVIN

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	**S1.1**	35

ADDENDUM #1 ; ATTACHMENT #1



NOTE:

1. I JOISTS SHALL HAVE 7/16" WIDE PLYWOOD OR OSB WEB WITH 1½" HIGH BY 2½" WIDE LVL FLANGES WITH THE FOLLOWING CAPACITY/CHARACTERISTICS =
   - MOMENT CAPACITY = 6,750 FOOT POUNDS
   - SHEAR CAPACITY = 2,255 POUNDS
   - EI = 450x10 IN²-POUNDS

1 FOUNDATION AND FLOOR FRAMNIG PLAN

0 2 4 8 12 FT.

RECORD DRAWINGS

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October 9, 2017

WELSHWHITELEY ARCHITECT, LLC

PLANS PREPARED BY:
PND ENGINEERS, INC.
9360 GLACIER HWY
JUNEAU, AK 99801

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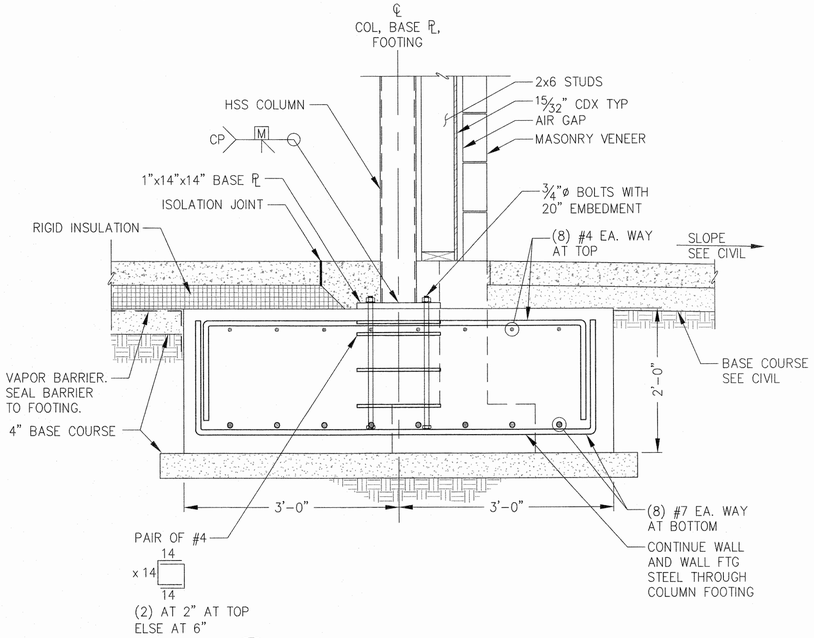
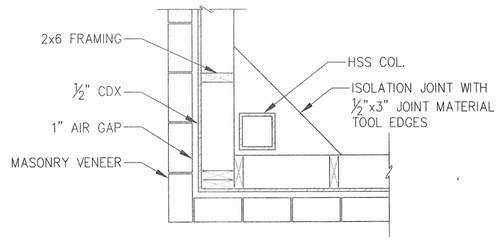
CHECKED BY: CMG	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION KAKE FERRY TERMINAL PASSENGER FACILITY PLANSET B **ROOF FRAMING PLAN**
DESIGNED BY: CMG	
DRAWN BY: DRD	

PATH: N:\12XXX\122068 AMHS KAKE TERMINAL\E1 DRAWINGS\PND\2017-9-29\S1.0.DWG
TAB: S2.0 Monday, October 09, 2017 8:15:35 AM DANIELLE DUNIVIN

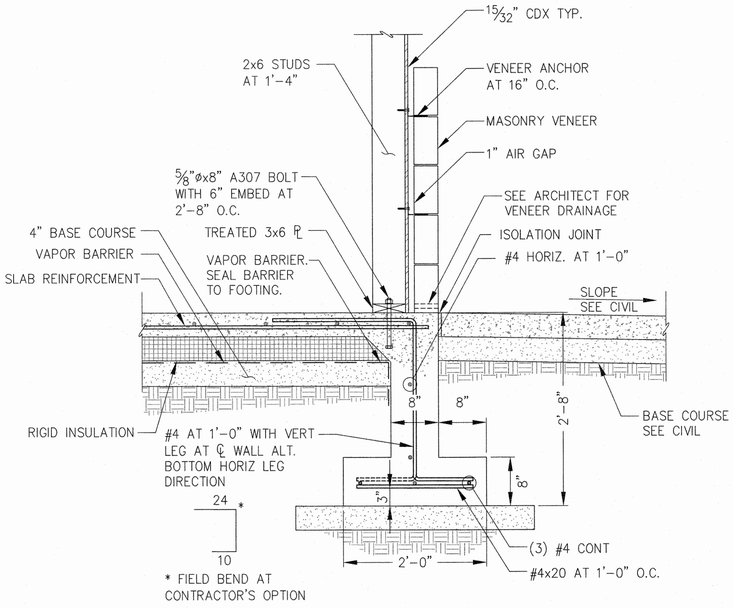
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	SAMHS00002	2015	**S2.0**	35



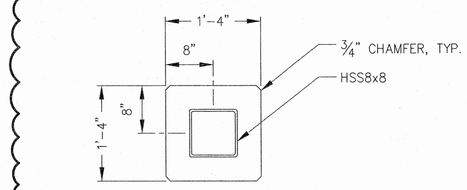
A **TYPICAL COLUMN FOOTING DETAIL**



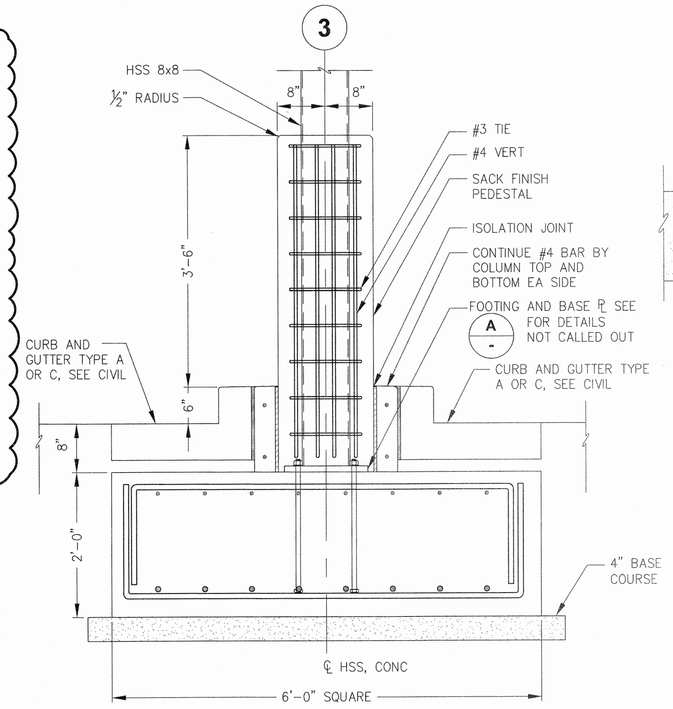
B **TYPICAL CORNER COLUMN/ SLAB DETAIL**



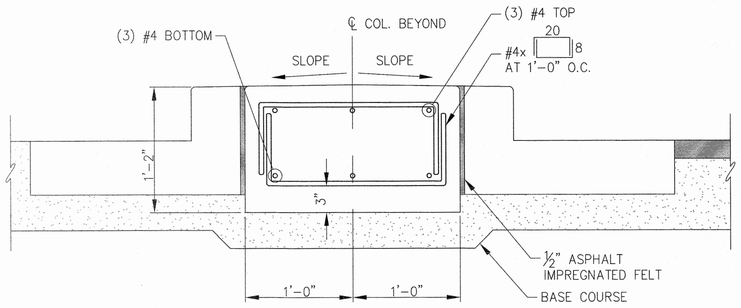
C **TYPICAL PERIMETER WALL DETAIL**



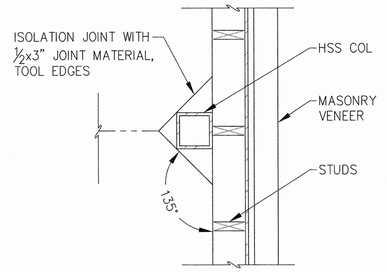
D **16"x16" SQUARE COLUMN PLAN DETAIL AT ISLAND**



E **PEDESTAL/ COLUMN FOOTING AT ISLAND**



F **ISLAND SECTION**



G **COLUMN AND SLAB DETAIL**

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October 9, 2017

WELSHWHITELEY ARCHITECT, LLC

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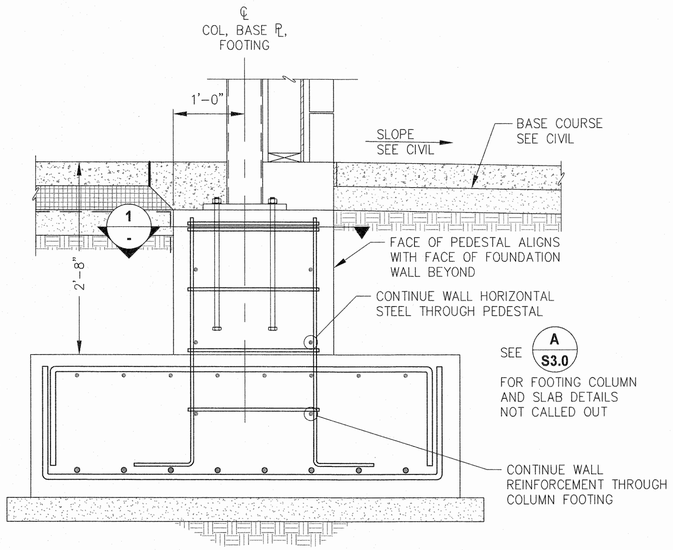
CHECKED BY: CMG	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION
	KAKE FERRY TERMINAL PASSENGER FACILITY PLANSET B
	FOUNDATION SECTIONS AND DETAILS ADD #1
DESIGNED BY: CMG	
DRAWN BY: DRD	

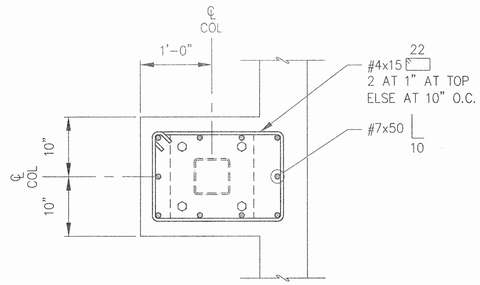
PATH: N:\12XXX\122068 AMHS KAKE TERMINAL\E1 DRAWINGS\PND\2017-9-29\S3.0.DWG
TAB: S3.0 Monday, October 09, 2017 8:15:46 AM DANIELLE DUNIVIN

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	**S3.0**	35

PLANS PREPARED BY:
PND ENGINEERS, INC.
9360 GLACIER HWY
JUNEAU, AK 99801



A DEPRESSED COLUMN FOOTING DETAIL



1 PEDESTAL SECTION

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October 9, 2017

WELSHWHITELEYARCHITECT, LLC

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PLANS PREPARED BY:
PND ENGINEERS, INC.
9360 GLACIER HWY
JUNEAU, AK 99801

CHECKED BY: CMG
DESIGNED BY: CMG
DRAWN BY: DRD

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET B

FOUNDATION SECTIONS AND DETAILS ADD #1

PATH: N:\12XXX\122068 AMHS KAKE TERMINAL\E1 DRAWINGS\PND\2017-9-29\S3.0.DWG
TAB: S3.1 Monday, October 09, 2017 8:15:51 AM DANIELLE DUNIVIN

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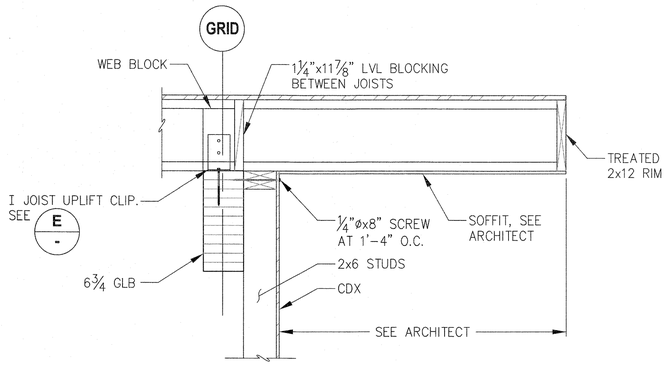
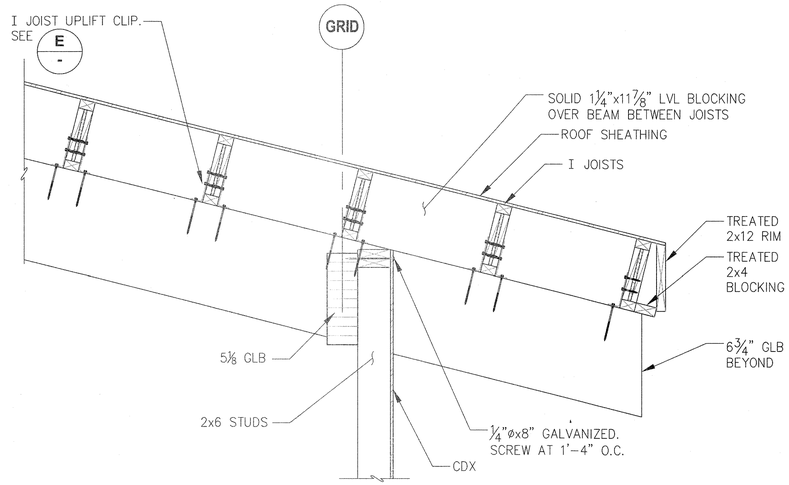
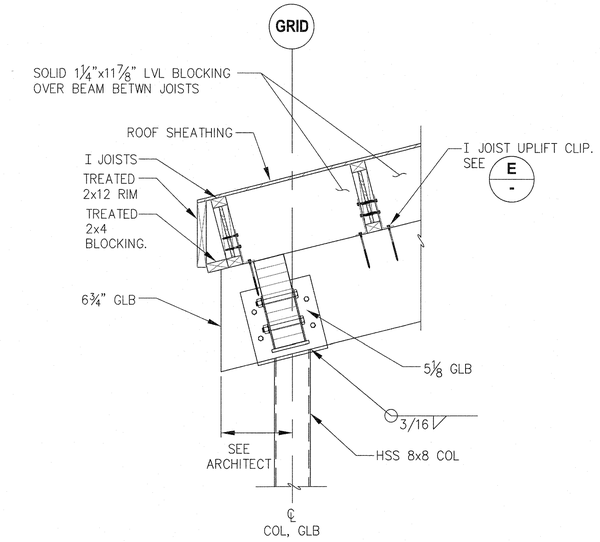


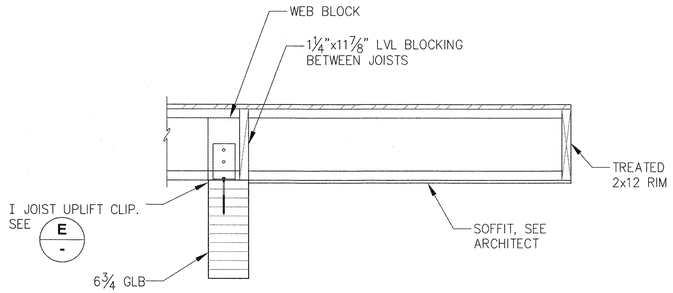
A END WALL DETAIL



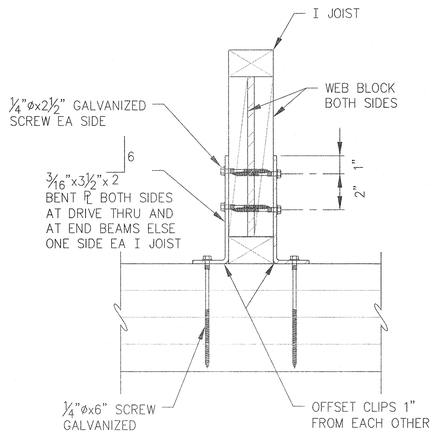
B EAVE DETAIL



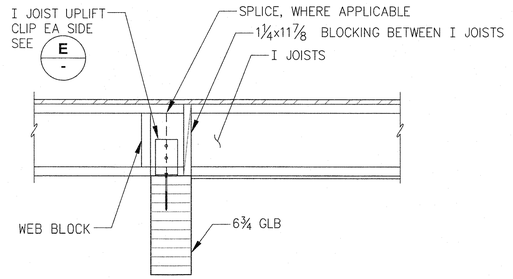
C SECTION AT DRIVE- EAVE



D SECTION AT DRIVE- EAVE



E I JOIST UPLIFT CLIP DETAIL



F INTERIOR I JOIST TO GLU-LAM BEAM

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PND ENGINEERS, INC.
9360 GLACIER HWY
JUNEAU, AK 99801

CHECKED BY:	CMG
DESIGNED BY:	CMG
DRAWN BY:	DRD

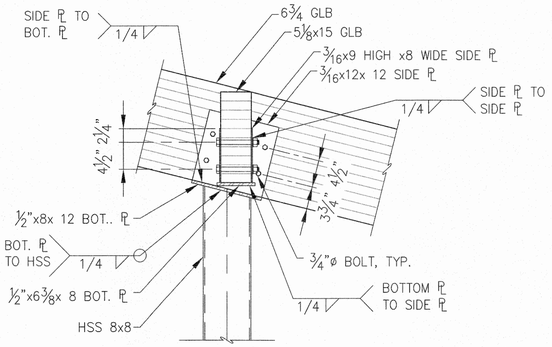
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET B

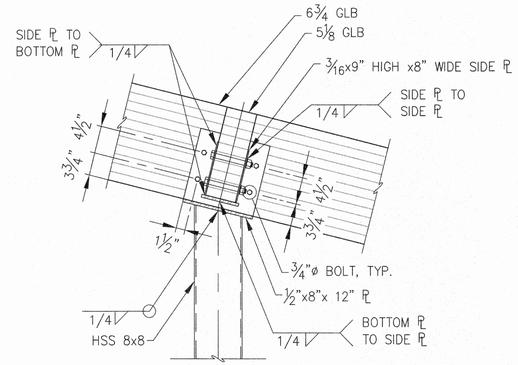
ROOF SECTIONS AND DETAILS ADD #1

PATH: N:\12XXX\122068 AMHS KAKE TERMINAL\E1 DRAWINGS\PND\2017-9-29\S4.0.DWG
TAB: S4.0 Monday, October 09, 2017 8:15:59 AM DANIELLE DUNIVIN

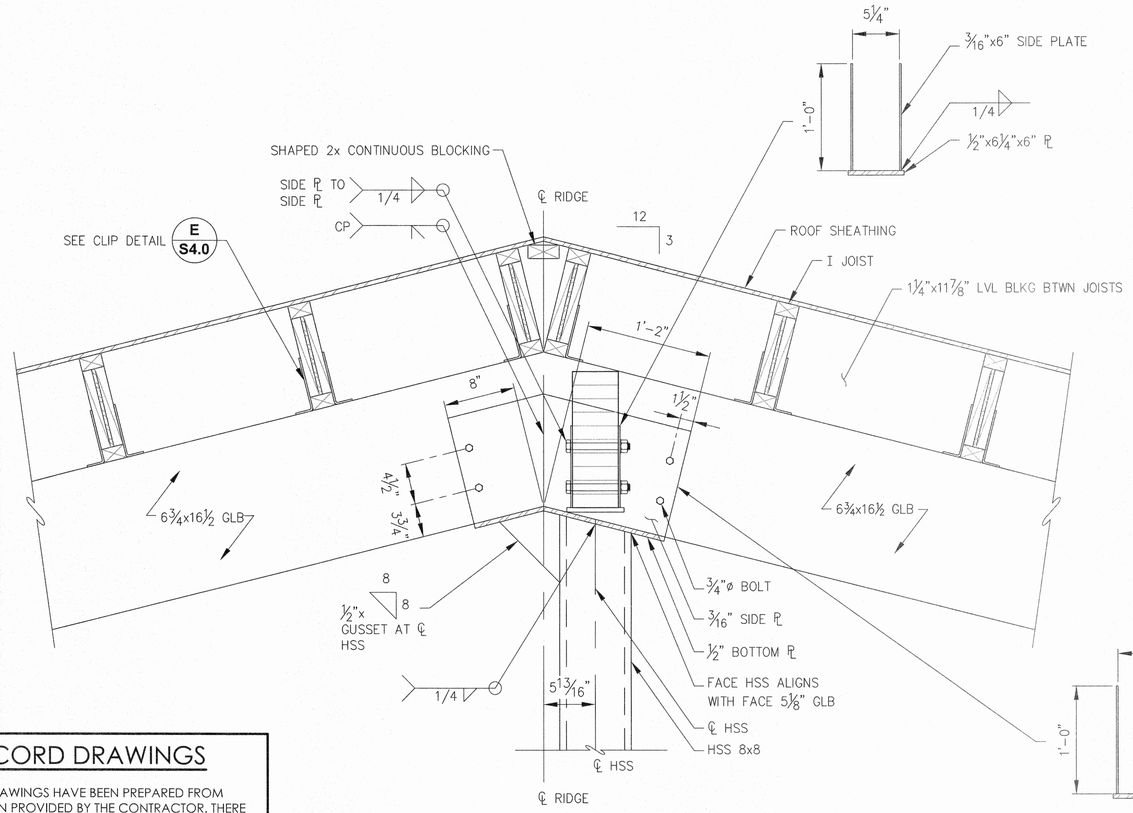
REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	**S4.0**	35



A BEAM TO COLUMN AND BEAM TO BEAM AT EAVE



B BEAM TO COLUMN AND BEAM TO BEAM AT DRIVE



C BEAM TO COLUMN AT RIDGE

RECORD DRAWINGS

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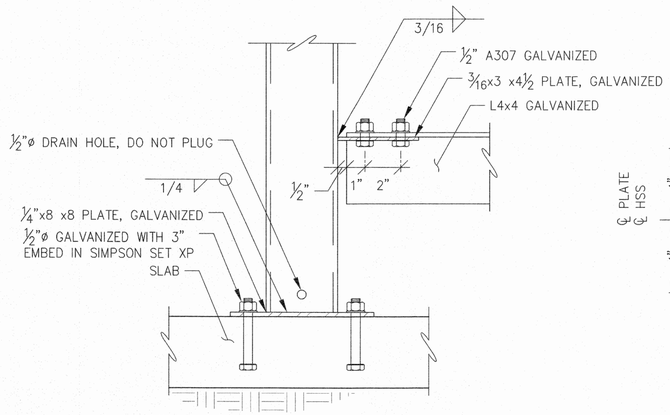
CHECKED BY: CMG	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION
	KAKE FERRY TERMINAL PASSENGER FACILITY PLANSET B
	ROOF SECTIONS AND DETAILS ADD #1
DESIGNED BY: CMG	
DRAWN BY: DRD	

PATH: N:\12XXX\122068 AMHS KAKE TERMINAL\E1 DRAWINGS\PND\2017-9-29\S4.1.DWG
TAB: S4.1 Monday, October 09, 2017 8:16:01 AM DANIELLE DUNIVIN

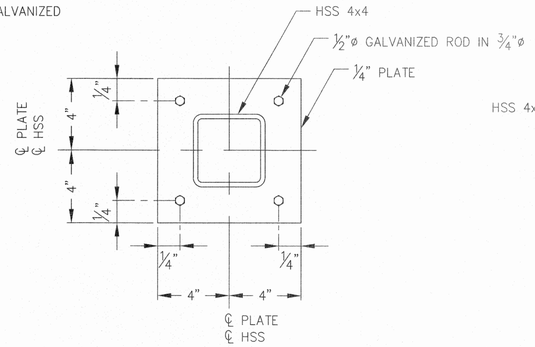
REVISIONS NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	**S4.1**	35

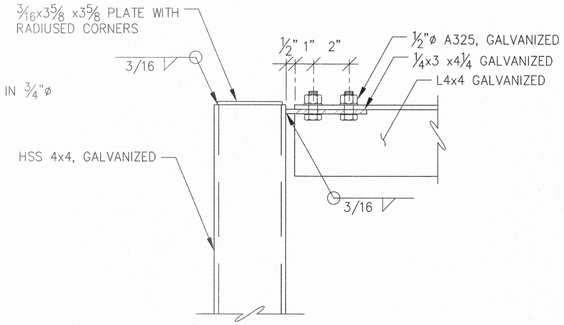
PLANS PREPARED BY:
PND ENGINEERS, INC.
9360 GLACIER HWY
JUNEAU, AK 99801



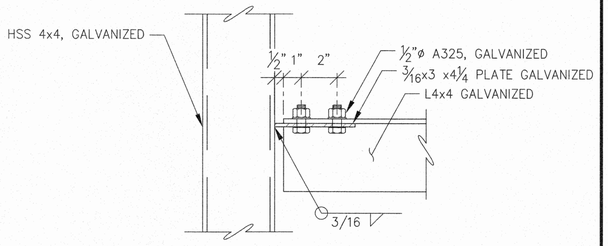
1 HSS BASE DETAIL



2 HSS BASE PLATE



3 TOP HSS TO L4x4, TYPICAL



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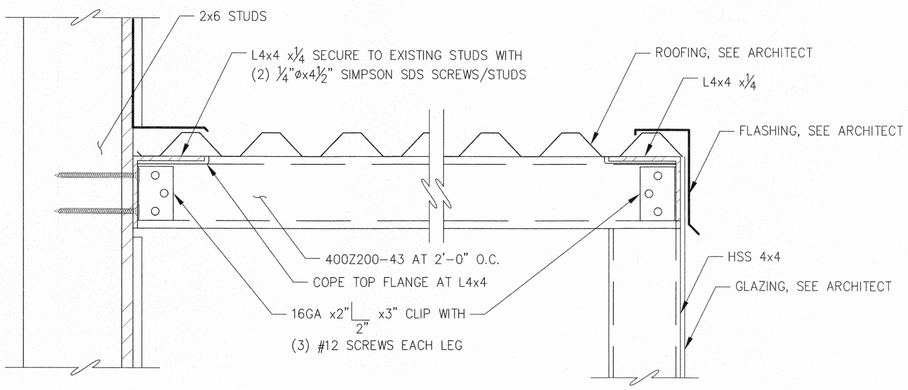
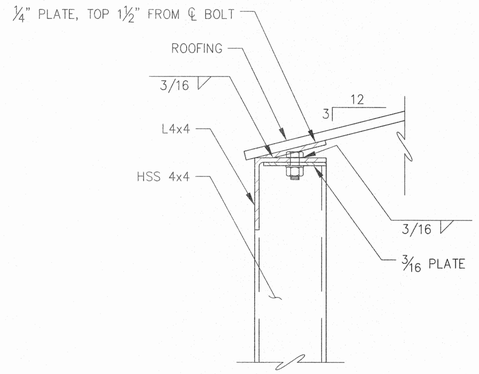
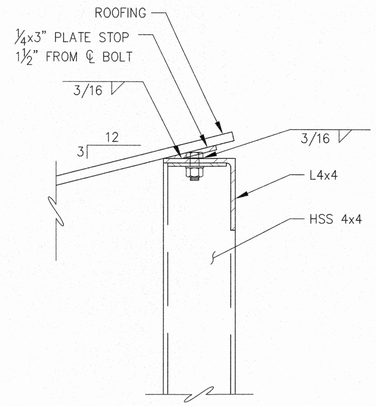


5 ROOF SECTION



6 ROOFING TO L4x4 BOTTOM OF SLOPE



7 ROOFING TO L4x4 TOP OF SLOPE

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October 9, 2017

WELSHWHITELEY ARCHITECT, LLC

PLANS PREPARED BY:
PND ENGINEERS, INC.
9360 GLACIER HWY
JUNEAU, AK 99801

CHECKED BY: CMG
DESIGNED BY: CMG
DRAWN BY: DRD

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET B

WINDBREAK SECTIONS AND DETAILS

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REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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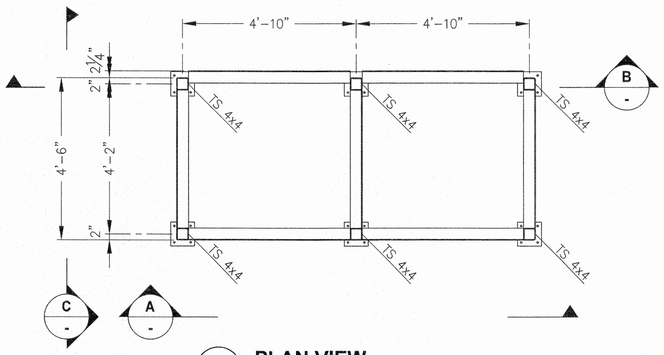
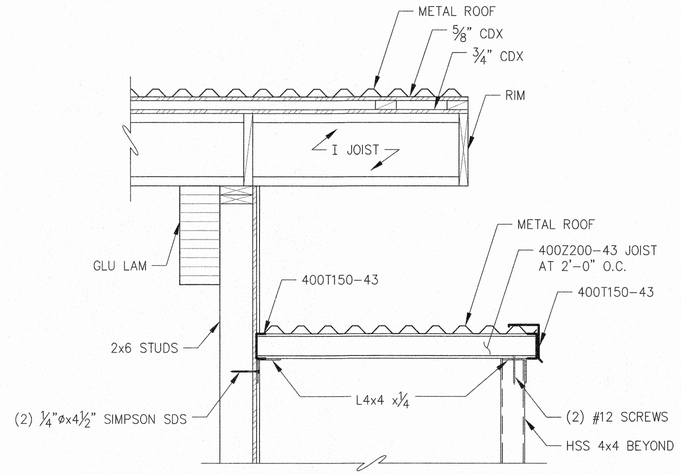
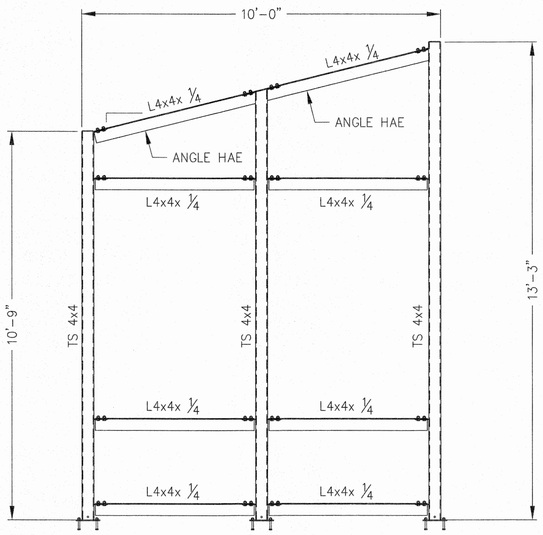


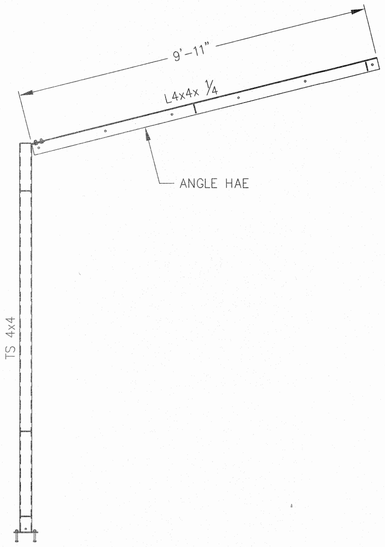
1 **PLAN VIEW**



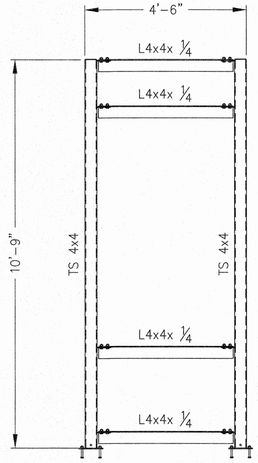
WINDBREAK ROOF SECTION



A **ELEVATION VIEW**



B **ELEVATION VIEW**



C **ELEVATION VIEW**

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October 9, 2017

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CHECKED BY:	CMG
DESIGNED BY:	CMG
DRAWN BY:	DRD

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET B

WINDBREAK SECTIONS AND DETAILS

PATH: N:\12XXX\122068 AMHS KAKE TERMINAL\E1 DRAWINGS\PND\2017-9-29\S4.2.DWG
TAB: S4.3 Monday, October 09, 2017 8:16:11 AM DANIELLE DUNIVIN

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	**S4.3**	35

HEAT PUMP/AIR CONDITIONING UNITS SCHEDULE

EQUIPMENT	LOCATION SERVED	DESIGN MANUFACTURER AND MODEL	REFRIGERANT PIPING – INCHES	CONDENSATE PIPING – INCHES	FEATURES/OPTIONS
HP–1	BUILDING	DAIKIN FTXS36LVJU	5/8 RS; 3/8 RL	1"	HEAT PUMP: INDOOR FAN COIL UNIT; NOMINAL SENSIBLE COOLING CAPACITY OF 36,000 BTU/HR, RATED HEATING CAPACITY 38,000 BTU/HR WALL MOUNTED UNIT, 4–WAY DISCHARGE, INTEGRAL CONDENSATE PUMP. PROVIDE OPTIONAL REMOTE THERMOSTAT WITH TIME CLOCK. MOUNT BEHIND VANDAL PROOF, LOCKABLE, CLEAR PLASTIC GUARD. POWER FOR INDOOR UNIT FROM CCU–1.
CCU–1	BUILDING	DAIKIN RXS36LVJU	5/8 RS; 3/8 RL	––	COMPRESSOR/CONDENSER UNIT, OUTDOOR UNIT. RATED COOLING CAPACITY 36,000 BTU/HR, RATED HEATING CAPACITY 38,000 BTU/HR. 208–230V, SINGLE PHASE. PROVIDE LEVEL MOUNTING BASE. SECURE TO CONCRETE PAD WITH ASTM F593–316 AUSTENITIC STAINLESS STEEL ANCHOR BOLTS.

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

EQUIPMENT	DESCRIPTION	MANUFACTURE AND MODEL	FEATURES
WC–1	WATER CLOSET	AMERICAN STANDARD, AFWALL MILLENIUM	WALL MOUNTED, SIPHON JET, VITREOUS CHINA BOWL, WITH ELONGATED RIM, 1–1/2 INCH TOP SPUD. EXPOSED MANUAL FLUSH VALVE W/SEAT BUMPER. 1.6 GALLON FLUSH VOLUME. SOLID WHITE PLASTIC SEAT, OPEN FRONT, SELF–SUSTAINING HINGE. COORDINATE WITH ARCHITECTURAL FOR MOUNTING HEIGHTS. PROVIDE WALL CARRIER.
WC–2	WATER CLOSET	AMERICAN STANDARD, AFWALL MILLENIUM	WALL MOUNTED, SIPHON JET, VITREOUS CHINA BOWL, WITH ELONGATED RIM, 1–1/2 INCH TOP SPUD. EXPOSED BATTERY OPERATED AUTOMATIC FLUSH VALVE W/ MANUAL FLUSH OVERRIDE. 1.6 GALLON FLUSH VOLUME. SOLID WHITE PLASTIC SEAT, OPEN FRONT, SELF–SUSTAINING HINGE. RIM HEIGHT FOR ADA COMPLIANCE. COORDINATE WITH ARCHITECTURAL FOR MOUNTING HEIGHTS. PROVIDE WALL CARRIER.
U–1	URINAL	AMERICAN STANDARD, WASHBROOK	VITREOUS CHINA, WALL HUNG, SIPHON JET URINAL WITH SHIELDS, INTEGRAL TRAP, ELONGATED RIM, REMOVABLE STAINLESS STEEL STRAINER, ONE–INCH TOP SPUD, STEEL SUPPORTING HANGER. EXPOSED ELECTRONIC BATTERY POWERED FLUSH VALVE. SIMILAR TO SLOAN 8186 1.0 GALLON FLUSH. ADA COMPATIBLE.
SS–1	SERVICE SINK	AMERICAN STANDARD, FLORWELL	FLOOR MOUNTED SINK. 28"x28" ENAMELED CAST IRON, CORNER DESIGN WITH VINYL BUMP GUARD AND 3–INCH DRAIN. STAINLESS STEEL STRAINER. EXPOSED WALL TYPE SUPPLY WITH LEVER HANDLES, SPOUT AND WALL BRACE WITH 3/4" HOSE THREAD, INTEGRAL VACUUM BREAKER. FIVE FEET OF 1/2–INCH DIAMETER PLAIN END REINFORCED RUBBER HOSE, HOSE CLAMP HANGER, AND MOP HANGER.
L–1	LAVATORY FAUCET	AMERICAN STANDARD, LUCERNE SLOAN OPTIMA EAF–350	VITREOUS CHINA WALL MOUNTED BASIN, 20x18 INCHES WITH DRILLINGS ON 4–INCH CENTERS, FRONT OVERFLOW. WALL MOUNTED CARRIER ARMS. CHROME PLATED FAUCET, HANDS FREE FAUCET W/ ELECTRONIC TEMPERING VALVE. ADA COMPLIANT MANUFACTURED INSULATION SHIELDS AS REQUIRED. QUARTER TURN BALL VALVE STOPS. INFRARED SENSOR AND LITHIUM BATTERY. VANDAL RESISTANT SPRAY OUTLET, 0.5 GPM.
WHA	WATER HAMMER ARRESTOR	ZURN Z–1700 WHA–1: SIZE 100 WHA–2: SIZE 200	HOT WATER WITH 3/4–INCH AND COLD WATER WITH 1–INCH THREADED CONNECTIONS. ISOLATING VALVE INSTALLED FOR WHA.
TP	TRAP PRIMER	WATTS T20 PRECISION PR–500	ALL BRASS, 1/2–INCH IPS, SPRING–LOADED. UNION CONNECTIONS AT INLET AND OUTLET. WITH VACUUM BREAKING MEANS.
FD–1	FLOOR DRAIN	ZURN Z–415	6" DIAMETER TOP.
DF–1	DRINKING FOUNTAIN	ELKAY EHWM217C	DUAL DRINKING FOUNTAIN, HEAVY DUTY, ADA COMPATIBLE WITH OPTIONAL APRON, IN WALL MOUNTING PLATE AND SUPPORT LEGS. 14 GAGE STAINLESS STEEL, BOTTOM COVER PLATES.
TV–1	THERMOSTATIC MIXING VALVE	POWERS LFMM430	TEMPERATURE LIMITING THERMOSTATIC MIXING VALVE. 1/2" INLETS, 3/4" OUTLET. STRAINER/CHECK STOPS.
HWH–1	HOT WATER HEATER	EEMAX EX95T ML	ELECTRIC TANKLESS WATER HEATER. 9.5 KW 240V AT 1.0 GPM WITH 50F EWT. UNIT SHALL BE UL RATED. ELEMENT SHALL HAVE REPLACABLE CARTRIDGE INSERT, REPLACEABLE FILTER. IRON FREE ELEMENT, NICKEL CHROME MATERIAL. MAXIMUM OPERATING PRESSURE 150 PSI.
WH–1	WALL HYDRANT	ZURN 1300	3/4" NON–FREEZE TYPE IN RECESSED BOX WITH INTERNAL VACUUM BREAKER. NICKEL BRONZE FACE. 2–INCH SIZE.
	WATER METER	SENSUS OMNI C2	THERMOPLASTIC ROTOR, MAGNETIC DRIVE, BRONZE CASE. 10GPM NOMINAL FLOW AT 1 PSI PRESSURE DROP.
ET–1	EXPANSION TANK	AMTROL THERM–X–TROL ST–12C	ASME RATED. POTABLE WATER USE. PRE–PRESSURIZED BUTYL DIAPHRAGM THERMAL EXPANSION CHAMBER. TOTAL NOMINAL VOLUME 6.4 GALLONS.

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE	HOT WATER	COLD WATER	WASTE	VENT
WATER CLOSET, FLUSH VALVE	–	1–1/2	4	2
URINAL	–	1	2	2
LAVATORY	1/2	1/2	1–1/2	1–1/2
FLOOR DRAIN	–	–	2 OR 3	1–1/2
DRINKING FOUNTAIN	–	1/2	1–1/2	1–1/4
PRIMING LINE	–	1/2	–	–
SERVICE SINK	1/2	1/2	3	2

FAN SCHEDULE

EQUIPMENT	AREA SERVED	CFM	TSP, INCHES OF WATER	DESIGN MANUFACTURER AND MODEL	MINIMUM HORSEPOWER ELECTRICAL CHARACTERISTICS	FEATURES AND ACCESSORIES
TEF–1	WOMEN'S TOILET ROOM	150	0.20	PANASONIC FV–11–15VK1	42W, 120–V, 1–PHASE	CEILING MOUNTED, CABINET EXHAUST FAN WITH INTEGRAL INLET GRILLE, DUCT CONNECTION. TO OPERATE AT COMMAND OF OCCUPANCY SENSOR PROVIDE BY ELECTRICAL.
TEF–2	MEN'S TOILET ROOM	150	0.20	PANASONIC FV–11–15VK1	42W, 120–V, 1–PHASE	CEILING MOUNTED, CABINET EXHAUST FAN WITH INTEGRAL INLET GRILLE, DUCT CONNECTION. TO OPERATE AT COMMAND OF OCCUPANCY SENSOR PROVIDE BY ELECTRICAL.
TEF–3	JANITOR	70	0.25	PANASONIC FV–05–11VK1	20.1W, 120–V, 1–PHASE	CEILING MOUNTED, CABINET EXHAUST FAN WITH INTEGRAL INLET GRILLE, DUCT CONNECTION. TO OPERATE CONTINUOUS BY WALL–SWITCH.
TF (2)	TOILET ROOM TRANSFER FAN	180	–	BROAN MODEL 511	0.9 AMPS, 120–V, 1–PHASE	DIRECT DRIVE DUAL FAN TRANSFER FAN, IN–THE–WALL MOUNTED. STEEL GRILLE, BOTH ENDS. SOLID STATE RECESSED SPEED CONTROLLER.
CEILING FAN, CF–1	LOBBY	5000 HIGH SPEED	–	HUNTER LOW PROFILE III MODEL 20807	66 WATTS HIGH SPEED 120–V, 1–PHASE	PROPELLER TYPE CEILING FAN. 52" DIA. CEILING FAN WITH MAPLE/CHERRY VENEER BLADES (5), ANTIQUE PEWTER FINISH, 36" DOWNROD. MULTIPLE SPEED FAN CONTROL.

SYMBOLS

CW	COLD WATER	
HW	HOT WATER	
RL	REFRIGERANT LIQUID	
RS	REFRIGERANT SUCTION	
W	WASTE	
V	VENT	
	ACCESS DOOR	
	EXISTING	
	RELOCATE	
	REMOVE	
	CONNECTION POINT, REMOVAL POINT	
AV	AUTOMATIC VALVE	
CO	CLEANOUT	
DV	DRAIN VALVE	
	UNION	
	PITCHED DOWN	
	REDUCER	
	CAPPED OR PLUGGED	
	GATE VALVE OR BALL VALVE	
	STRAINER	
5	FLOW SETTER W/NO.	
	TEST PORT/PLUG	
FCO	FLOOR CLEANOUT	
	CHECK VALVE	
	GLOBE VALVE OR ISOLATING BALL VALVE	

2	CONSTRUCTION NOTE
T V	THERMOSTAT OR THERMOSTATIC SENSOR – IMMERSION, ROOM
	THERMOMETER
$	CONTROL SWITCH
ø	DIAMETER

AFF	ABOVE FINISHED FLOOR
CCU	COMPRESSOR–CONDENSER UNIT
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CO	CLEANOUT
DI	DUCTILE IRON
DU	DIELECTRIC UNION
DV	DRAIN VALVE
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
HB	HOSE BIBB
HP	HEAT PUMP
HWH	HOT WATER HEATER
IAW	IN ARCHITECTURAL WORK
IEW	IN ELECTRICAL WORK
ICW	IN CIVIL WORK
IPS	IRON PIPE SIZE
L–1	LAVATORY
MBH	1,000 BTU PER HOUR
NIC	NOT IN CONTRACT
NIM	NOT IN MECHANICAL
NO	NORMALLY OPEN
PSI	POUNDS PER SQUARE INCH
SS	SERVICE SINK
TEF	TOILET EXHAUST FAN
TF	TRANSFER FAN
TP	TRAP PRIMER
T&P	TEMPERATURE AND PRESSURE RELIEF VALVE
TSP	TOTAL STATIC PRESSURE
TYP.	TYPICAL
U	URINAL
VI	VIBRATION ISOLATORS
VTR	VENT THROUGH ROOF
WCO	WALL CLEAN OUT
WHA	WATER HAMMER ARRESTOR
YCO	YARD CLEANOUT

SHEET NOTES:

1. SEE SPECIFICATIONS FOR ADDITIONAL MANUFACTURER'S INFORMATION ON EQUIPMENT AND SYSTEMS REQUIREMENTS.
2. CODES & REGULATIONS: ALL WORK HEREUNDER SHALL BE STRICTLY IN CONFORMANCE WITH APPLICABLE CODES AND REGULATIONS. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2009 INTERNATIONAL FIRE CODE, 2009 INTERNATIONAL MECHANICAL CODE, 2009 UNIFORM PLUMBING CODE, NFPA, AND STATE OF ALASKA MODIFICATIONS INSOFAR AS MINIMUM REQUIREMENTS ARE CONCERNED, BUT THE DRAWINGS AND SPECIFICATIONS SHALL GOVERN IN CASE THE MINIMUM REQUIREMENTS ARE EXCEEDED. ALL ELECTRICAL EQUIPMENT SHALL BEAR THE UL LABEL.

MECHANICAL SHEET LIST

RECORD DRAWINGS

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09-25-2017

WELSH WHITELEY ARCHITECT, LLC

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P O BOX 21081
JUNEAU, ALASKA 99802
TEL: 907 780-6151

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CHECKED BY: DOUG MURRAY

DESIGNED BY: DOUG MURRAY

DRAWN BY: KB

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

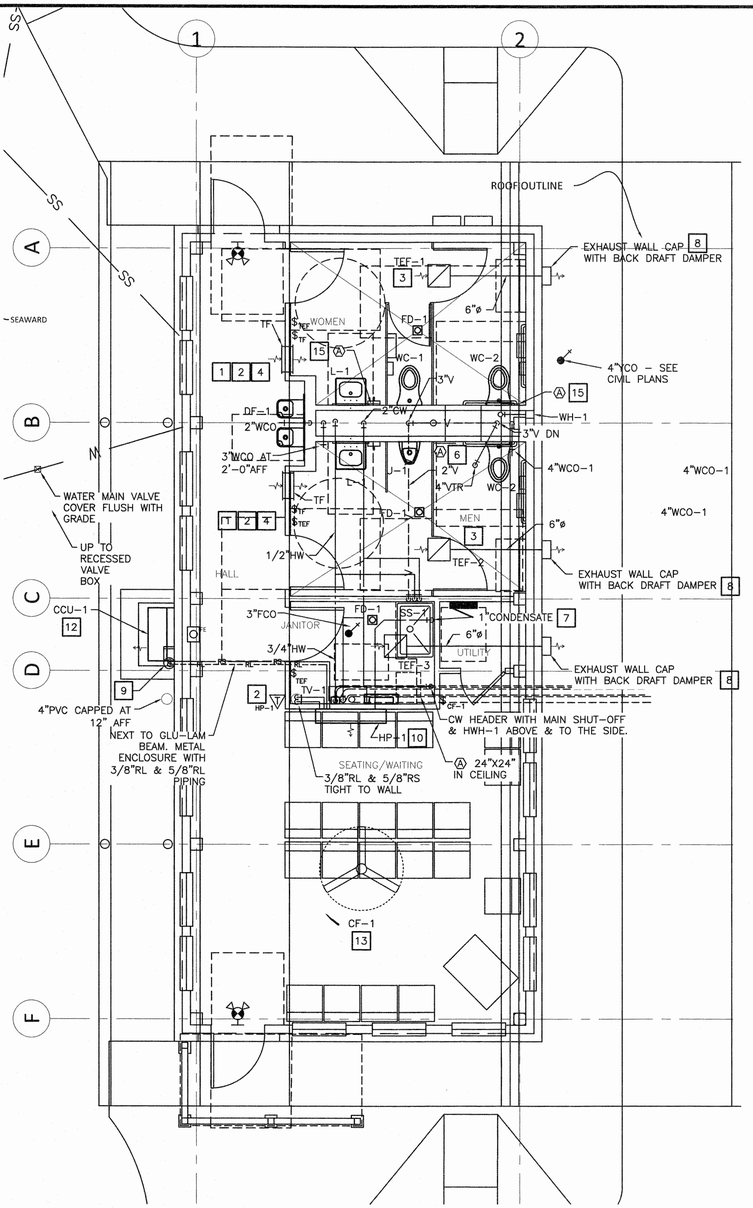
SHEDULES - SYMBOLS

PATH: Z:\CURRENT PROJECTS\70\70–14\DRAWINGS\AS–BUILT\M1.0.DWG
TAB: M1.0 Tuesday, September 26, 2017 2:03:05 PM DOMINIC I. MCGONEGAL

REVISIONS NO.	DATE	DESCRIPTION

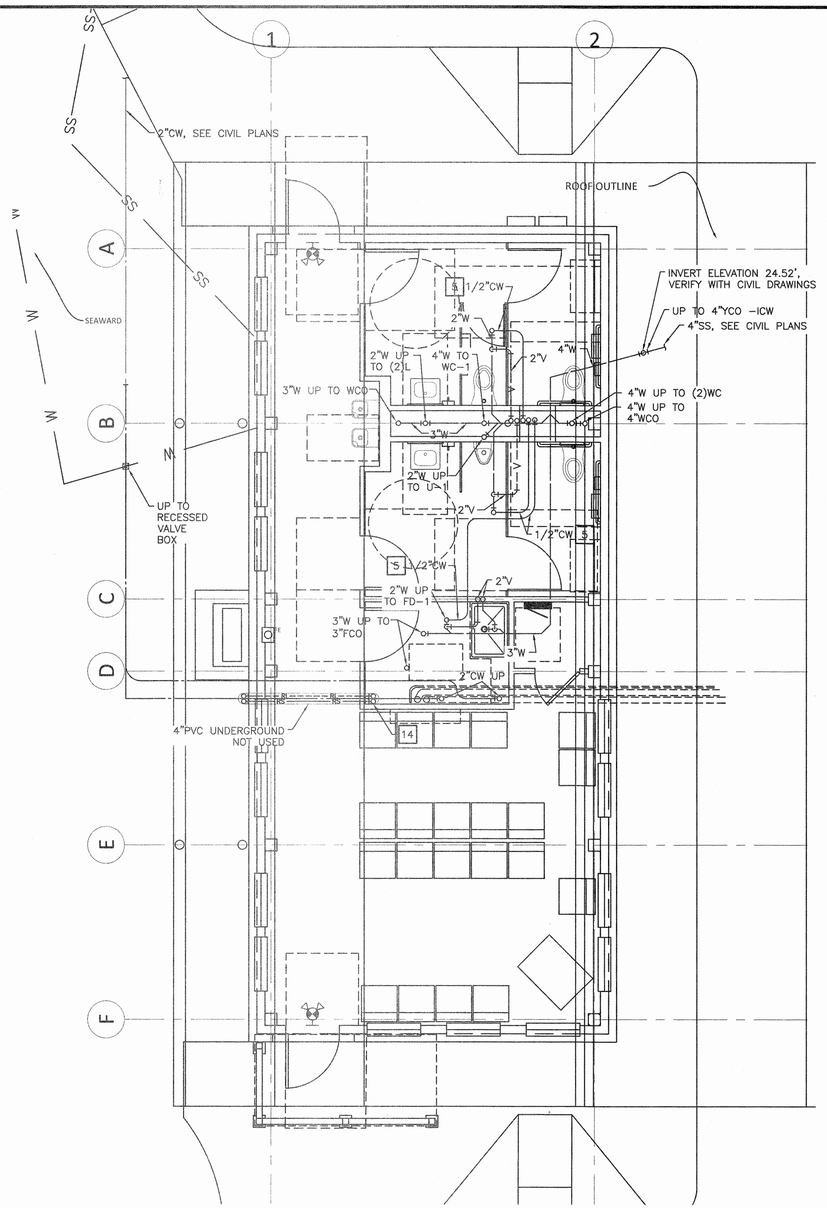
PROJECT DESIGNATION: SAMHS00002

YEAR	SHEET NO.	TOTAL SHEETS
2015	M1.0	35



1 FLOOR PLAN-PIPING

SCALE: 0 2' 4' 8' 16'



2 FOUNDATION PLAN-PIPING

SCALE: 0 2' 4' 8' 16'

GENERAL NOTES:

1. INSULATE RL, RS, AND CONDENSATE DRAIN PIPE WITH A MINIMUM OF 3/4 INCH THICK FLEXIBLE ELASTOMERIC CELLULAR INSULATION. PROVIDE ALUMINUM SHEET METAL COVER ON ALL INTERIOR AND EXTERIOR INSULATED PIPING.
2. SEE DETAILS AND DIAGRAMS ON SHEET M3.1 FOR ADDITIONAL INFORMATION AND CONFIGURATION OF PIPING.

CONSTRUCTION NOTES:

1. FAN SPEED CONTROLLER. LOCATE ADJACENT TO LIGHT SWITCH.
2. PROVIDE CLEAR PLASTIC LOCKABLE COVER OVER THERMOSTAT/CONTROLLER.
3. OPERATION OF TEF-1 BY OCCUPANCY SENSOR, SEE ELECTRICAL.
4. MOUNT TRANSFER FAN AT 9'-0" ABOVE FLOOR. FAN CONTROLLED BY SPEED CONTROL SWITCH LOCATED WHERE SHOWN.
5. 1/2" TYPE K COPPER TO FD-1 TRAP PRIMER CONNECTION.
6. WATER HAMMER ARRESTORS AND VALVES ACCESSIBLE IN ATTIC SPACE.
7. INDIRECT WASTE CONDENSATE PIPING INTO SS-1. ROUTE DRAIN CONCEALED IN WALL TO JUST ABOVE SPLASH PANEL. FINISH WITH ELBOW DOWN AND ESCUTCHEON.
8. MOUNT EXHAUST WALL CAP AS HIGH AS POSSIBLE. SEAL PENETRATION WATER TIGHT. SEE DETAIL ON SHEET M3.1.
9. REFRIGERANT PIPING INSTALLED IN METAL ENCLOSURE ON OUTSIDE OF BUILDING TO THE 9'-0" LEVEL, PENETRATE TO INTERIOR.
10. MOUNT HP-1 AS HIGH AS POSSIBLE. APPROXIMATELY 9'-1" ABOVE FINISHED FLOOR TO BOTTOM OF UNIT.
11. NOT USED
12. OUTDOOR UNIT MOUNTED ON TREATED TIMBERS SECURED TO CONCRETE SIDEWALK. (4"x6")
13. SUPPORT AND SECURE CF-1 BASE TO STRUCTURE PER MANUFACTURER'S REQUIREMENTS.
14. CAPPED ABOVE FLOOR.
15. WALL ACCESS DOOR.

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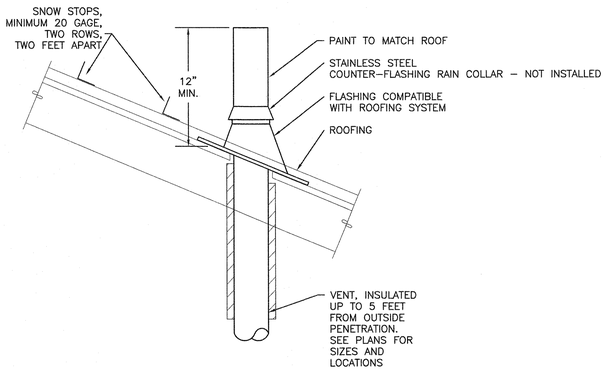
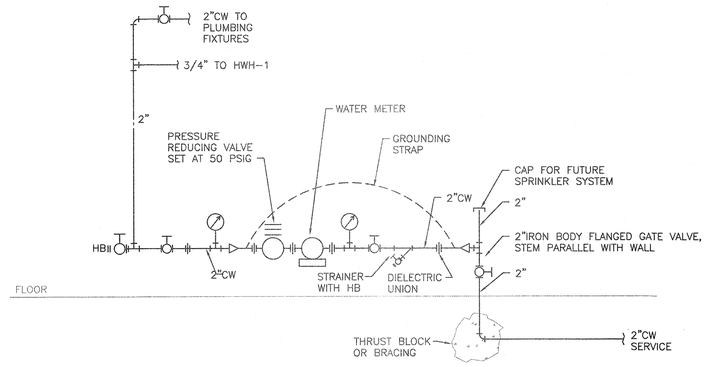
CHECKED BY: DOUG MURRAY	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION
	KAKE FERRY TERMINAL **PASSENGER FACILITY** **PLANSET B**
	FLOOR PLAN - FOUNDATION & MAIN FLOOR, ADD #1
DESIGNED BY: DOUG MURRAY	
DRAWN BY: KB	
PATH: Z:\CURRENT PROJECTS\70\70-14\DRAWINGS\AS-BUILT\M2.1.DWG	
TAB: M2.1 Tuesday, September 26, 2017 2:03:08 PM	DOMINIC I. MCGONEGAL

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	M2.1	35



1 VENT THROUGH ROOF DETAIL – METAL ROOFING

NO SCALE

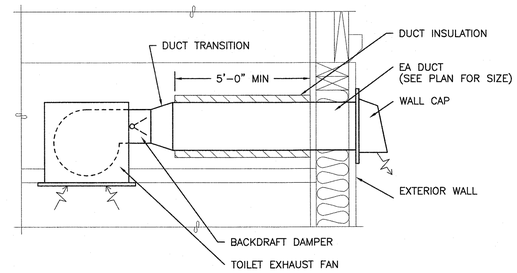


2 COLD WATER HEADER PIPING DIAGRAM

NO SCALE

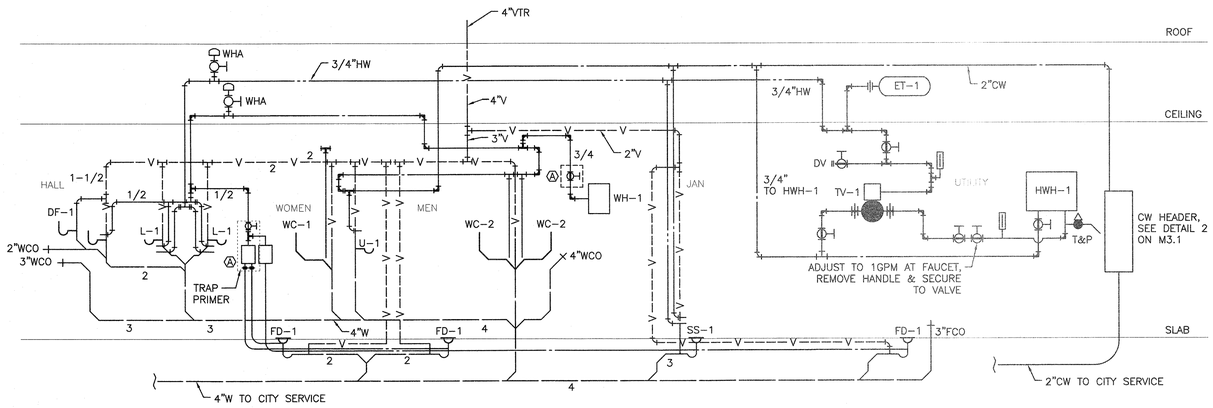
CONSTRUCTION NOTES:

1. PROVIDE 18" LONG NIPPLE FOR FUTURE METER. METER TO BE NEPTUNE MODEL T10.



3 TOILET EXHAUST FAN (TEF) DETAIL

NO SCALE



4 PLUMBING DIAGRAM

NO SCALE

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WELSH WHITELEY ARCHITECT, LLC

DRAWINGS PREPARED BY:
PDC ENGINEERS
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

DETAILS & DIAGRAMS
ADD #1

PATH: Z:\CURRENT PROJECTS\70\70–14\DRAWINGS\AS–BUILT\M3.1.DWG
TAB: M3.1 Tuesday, September 26, 2017 2:03:10 PM DOMINIC I. MCGONEGAL

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	SAMHS00002	2015	M3.1	35

SYMBOLS AND MOUNTING HEIGHTS

MOUNTING HEIGHTS ARE TO BE AS LISTED BELOW UNLESS OTHERWISE INDICATED ON PLAN.

$ $3 $K $T	SWITCHES, 3 WAY, KEYED, TIMER	48" AFF
MS	MOTOR SWITCH W/ PILOT LIGHT	
HOA	HAND-OFF-AUTO SWITCH	
M	LITGHT SWITCH W/ MOTION SENSOR	
SP	FAN SPEED CONTROL SWITCH, BY MECH	
D	DIMMER SWITCH	
	DUPLEX RECEPTACLE B = BLUE DEVICE, CKT ON 24/7	NO RECEPT ABOVE BASEBOARD 4" ABOVE BACKSPLASH/SINK 24" AFF MIN ELSEWHERE
T	TAMPERPROOF DUPLEX RECEPT	
	QUADPLEX RECEPT (2 DUPLEX)	
	GFI - GROUND FAULT RECEPT	
	SPLIT WIRED DUPLEX RECEPT	
	SPECIAL RECEPTACLE D = NEMA 14-30R R = NEMA 14-50R	
W	TELEPHONE OUTLET, W=WALL @48"	
	DATA / TELEPHONE OUTLET	
	PUSHBUTTON	48" AFF
P	PHOTOCELL	
C	SECURITY SYSTEM OUTLET (CAMERA)	1' ABOVE WINDOW HEADER
T T L	THERMOSTAT-LINE VOLTAGE L = LOW VOLTAGE TSTAT	54" TO TOP MAX
	FLUORESCENT FIXTURES	SEE FIXTURE SCHEDULE
	EMERGENCY LIGHT - BATTERY PACK	
	NIGHT LIGHT, UNSWITCHED	
	MISC LIGHT FIXTURES DOWNLIGHT, FLOODS AND WALL PACKS	
	HPS LIGHT FIXTURES POLE MOUNTED	
	INCANDESCENT FIXTURE	
	EMERGENCY BATTERY PACK FIXTURE	
	REMOTE EMERG LIGHT HEAD	
	EXIT LIGHT, W/ EMERG LIGHT HEADS	
	GUY	
	EXISTING UTILITY POLE & GUY	
	NEW WOOD UTILITY POLE & GUY	

	DISCONNECT	
	COMBINATION MAGNETIC STARTER/DISCONNECT	
M	MOTOR	
	MOTOR STARTER	
CR	CONTACTOR	
FL	FLOAT SWITCH (PROVIDED BY OTHERS)	
TC	TIME CLOCK	
R	RELAY	
	ELECTRIC BASEBOARD HEATER, SEE SPEC FOR WATTAGES	
	ECH, ELECTRIC CABINET HEATER, SEE SPEC FOR WATTAGES	12" AFF
	PANELBOARD - RECESSED	6'-6" AFF TOP
	PANELBOARD - SURFACE	
T	TRANFORMER	
J	JUNCTION BOX C=CAMERA PS=PURSER SHELTER R=RAMP (POWER) H = HANDHOLE, CONCRETE SIDEWALK BOX	
M	MOTION SENSOR	

GROUND, NEUTRAL, HOT CONDUCTORS - #12 UNLESS OTHERWISE NOTED. INSTALL EQUIPMENT GROUNDING CONDUCTOR IN EACH BRANCH CIRCUIT. MINIMUM CIRCUITING IS 2#12 W/ 1#12G. EACH BRANCH CIRCUIT SHALL HAVE ITS OWN NEUTRAL, NO SHARED NEUTRAL. INDOOR BRANCH CIRCUITS CAN BE TYPE MC OR TYPE THHN/THWN RUN IN EMT. 3/4"C MINIMUM HOMERUN SIZE.

WHERE WIRE SIZE IS SHOWN BY HOMERUN THAT SIZE WIRE SHALL BE USED FOR THE ENTIRE CIRCUIT WITH THE CONDUIT SIZED PER THE WIRE COUNT.

DASHED EQUIPMENT INDICATES EXISTING OR FUTURE EQUIPMENT. REFER TO DRAWING NOTE.

ACS	LOCAL TEL CO	— · — E — · —	OVERHEAD LINE
AFCI	ARC FAULT CIRCUIT INTERRUPTER		OHE = OVHD PRIMARY LINE -X = REMOVE LINE
ATS	AUTOMATIC TRANSFER SWITCH		S = SECONDARY LINE -U = UNDERGROUND
CPP	COMPUTER PATCH PANEL		T = TELEPHONE LINE
CTC	COMPUTER TERMINAL CABINET		L = PARKING LOT LIGHTING
FACP	FIRE ALARM CONTROL PANEL		C = SECURITY CAMERA
GEC	GROUNDING ELECTRODE CONDUCTOR		P = POWER
GFCI / GFI	GROUND FAULT CIRCUIT INTERRUPTER		PS=PURSER SHELTER POWER
IPEC	LOCAL ELECTRIC CO		R = FUTURE RAMP POWER
LT FLEX	LIQUIDTIGHT FLEXIBLE CONDUIT		
NID	NETWORK INTERFACE DEVICE		
SCCR	SHORT CIRCUIT CURRENT RATING		
SE	SERVICE ENTRANCE		
TPP	TELEPHONE PATCH PANEL	— — —	UNDERGROUND CIRCUIT
TTB	TELEPHONE TERMINAL BOARD	— — —	OR EXISTING CIRCUIT
WP	WEATHERPROOF		
XP	EXPLOSIONPROOF - CLASS I HAZARDOUS LOCATION		

PROJECT GENERAL NOTES

A THE PROJECT IS DESIGNED TO THE 2014 NEC AND 2009 IBC, IFC & IMC.

B COORDINATE HEATER INSTALLATION TO AVOID CASEWORK AND FURNITURE. MOUNT DEVICES CLEAR OF THE HEATER PER ELECTRIC HEATER MFR REQUIREMENTS (MIN OF 12" ABOVE AND 6" FROM THE SIDE OF THE HEATERS).

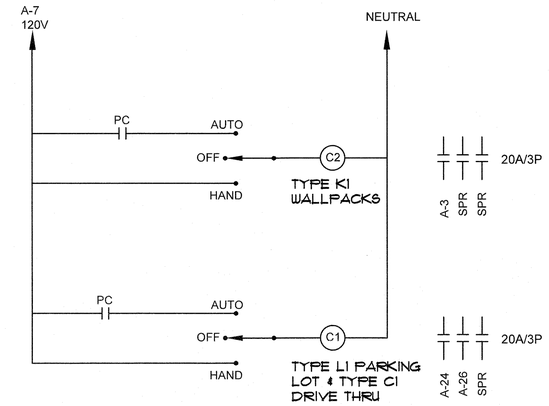
C IN GENERAL THE ELECTRICAL DEVICES IN THE ENTIRE BUILDING SHALL BE INSTALLED RECESS MOUNTED. PRIOR TO INSTALLATION COORDINATE THE LIGHTING, SWITCHES, RECEPTACLES, SECURITY CAMERA AND TELEPHONE/DATA OUTLETS LAYOUT WITH THE PROJECT ENGINEER.

D REFERENCES TO THE MECHANICAL CONTRACTOR INCLUDES PLUMBING, HVAC, CONTROL AND SHEET METAL CONTRACTORS.

E IBC OCCUPANCY TYPES -
1ST FLOOR = B,

F THE ELECTRICAL SET CONSISTS OF 10 SHEETS: E1, E2.1, E3.1-3.3, E4.1-4.2, E5.1-5.2, E6.1.

G SEE 16010 FOR THE SCOPE OF WORK INVOLVED WITH SECTIONS 662 AND 695.



C# CONTACTOR
PC PHOTOCELL CONTROL
HOA HAND-OFF-AUTO SWITCH

1 EXTERIOR LIGHTING CONTROL DETAIL

NO SCALE

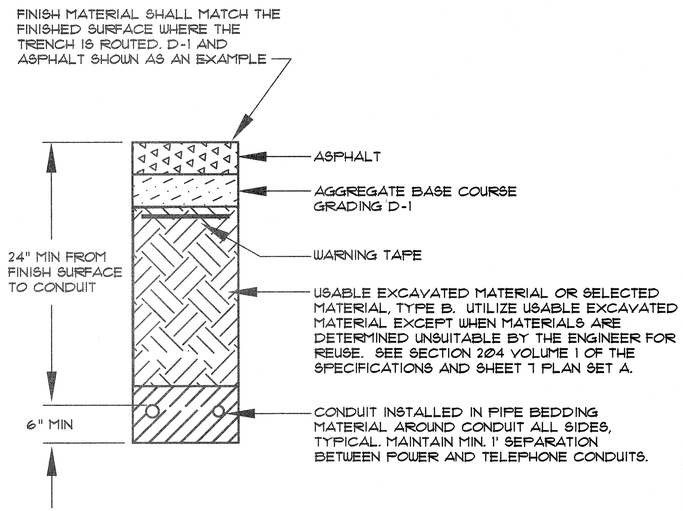
NOTES:

A IN THE AUTO MODE, THE FIXTURES SHALL BE CONTROLLED BY PHOTOCELL AND BY SPLIT BUS PANEL A:
-THE TYPE C1 CANOPY LIGHTS AND TYPE L1 PARKING LOT LIGHT ARE ON ONLY WHEN THE BUILDING IS OPERATING IN THE OCCUPIED MODE.
-THE TYPE K1 WALL PACK FIXTURES SHALL BE ON WHENEVER IT IS DARK (WITH THE BUILDING UNOCCUPIED OR OCCUPIED.)

B IN THE HAND MODE ALL FIXTURES ON (BYPASS PHOTOCELL/CONTROL CIRCUITING).

C HOA SWITCH CAN BE INTEGRAL WITH CONTACTOR.

D COORDINATE THE EXTERIOR LIGHTING FIXTURE LOCATIONS, MOUNTING HEIGHTS, LAYOUT AND CONTROL WITH THE ENGINEER PRIOR TO INSTALLATION.



2 TRENCH DETAIL

NO SCALE

GENERAL NOTES:

A SEE CIVIL FOR SPECIFICATIONS ON TYPES OF MATERIALS. COORDINATE INSTALLATION WITH ENGINEER

B MAINTAIN MIN. 1' SEPARATION BETWEEN CONDUITS AND THE DRY PIPES (WATER, SANITARY SEWER) AND BETWEEN THE POWER & TELE CONDUITS.

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN PREPARED FROM INFORMATION PROVIDED BY THE CONTRACTOR. THERE IS NO GUARANTEE TO THE ACCURACY OF THE INFORMATION CONTAINED HEREIN, EITHER EXPRESSED OR IMPLIED.

August 31, 2017

WELSHWHITELEY ARCHITECT, LLC
NELSON ELECTRICAL ENGINEERING

CHECKED BY: TED

STATE OF ALASKA · 49th · KEITH NELSON EE-7655 5-30-18 REGISTERED PROFESSIONAL ENGINEER — Electronic Signature

DESIGNED BY: KCN
DRAWN BY: KCN

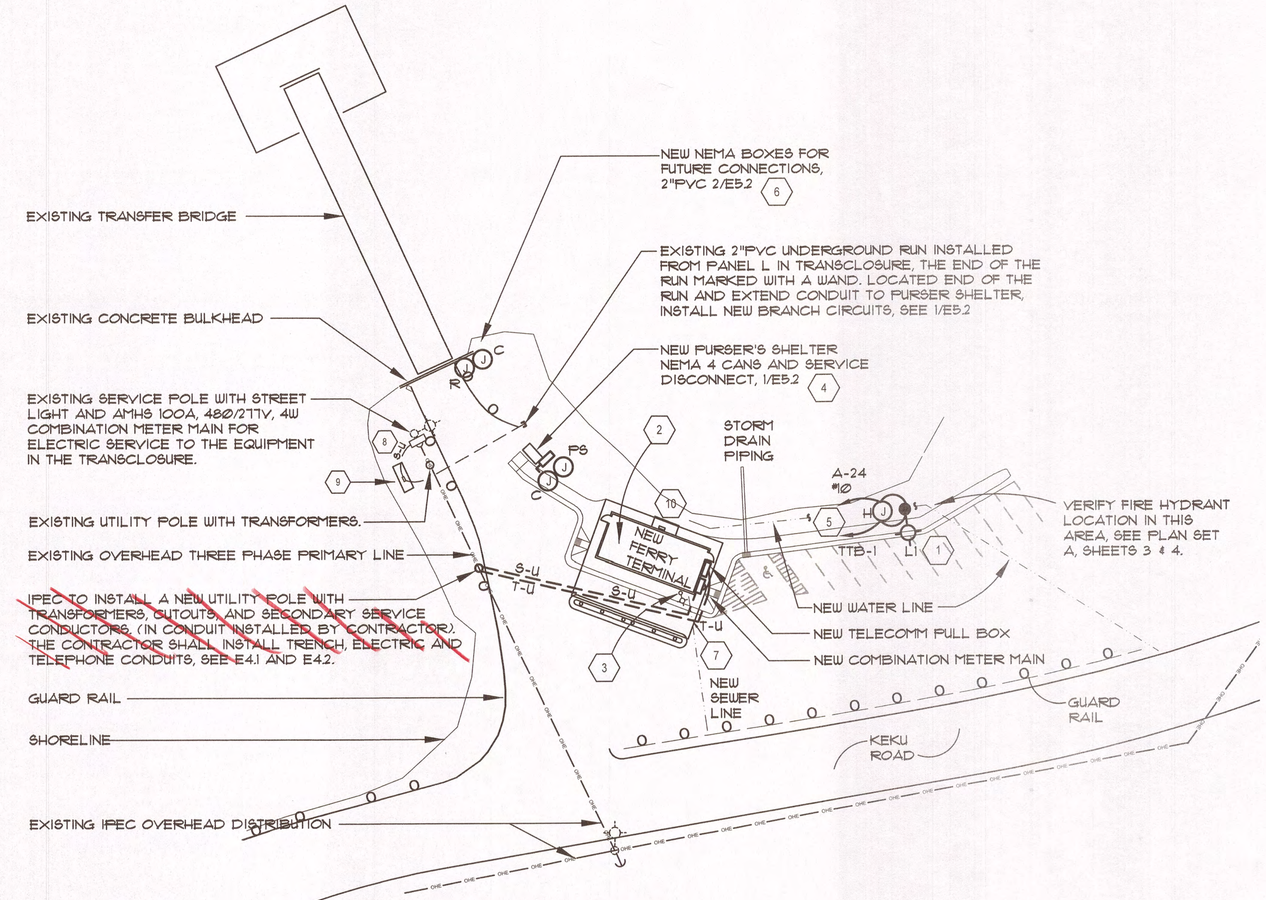
PATH: G:\FILEHISTORY\KNEE\LAPTOP-DUMKBOBA\DATA\C\USERS\KNEE\DOCUMENTS\0-KNEE\2011\ANGOON-KAKE\DWG\16\KAK
TAB: E1

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

ELECTRICAL SYMBOLS & MISC. DETAILS

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	E1	35



1 ELECTRICAL SITE PLAN
SCALE: 1" = 60'

2 EXISTING FERRY SHELTER PHOTO
NO SCALE

ELECTRICAL NOTES

1. LIGHT POLE WITH PROVISIONS FOR FUTURE SECURITY CAMERA SYSTEM. INSTALL SIDEWALK BOX WITH (2) 1-/4"RSC FROM BOX UP INTO THE POLE BASE. ONE CONDUIT IS FOR LIGHTING CIRCUIT. THE OTHER CONDUIT IS FOR FUTURE SECURITY CAMERA WITH PULL STRING FOR FUTURE SECURITY CAMERA. LOCATE SIDEWALK BOX AND POLE NORTH OF SIDEWALK. SEE E5.1
2. AN EXISTING WAITING SHELTER IS LOCATED IN THE FOOTPRINT OF THE NEW BUILDING. THE EXISTING WAITING SHELTER SHALL BE DEMOLISHED. REMOVE ALL EXISTING ELECTRICAL CIRCUITS. SEE 2/E2.1.
3. DISCONNECT AND REMOVE EXISTING WOOD POLE WITH STREET LIGHT, POLE MOUNTED DISCONNECT AND CIRCUITING.
4. SEE 1/E5.2 FOR PURSER'S SHELTER ELECTRICAL PLAN & CONDUIT PLAN ON 2/E3.1
5. 1"PVC W/ #10 LIGHTING CIRCUIT TO PANEL A VIA LIGHTING CONTACTORS IN STORAGE ROOM, SEE 1/E1.1 & E3.1. 2"PVC FOR FUTURE SECURITY CAMERA TO TTB-1 LOCATED IN STORAGE ROOM, SEE E4.2. SEE CONDUIT PLAN ON 2/E3.1
6. INSTALL (2) NEW 24X24X6 NEMA 4 HINGE COVER CANS FOR FUTURE CONNECTIONS TO RAMP POWER (R) AND SECURITY CAMERA (C). MOUNT THE CANS AT BULKHEAD WITH GALVANIZED STRUT, SEE 2/E5.2. INSTALL (2) 2"PVC80 FROM SECURITY CAMERA SYSTEM CAN TO THE CAN MOUNTED ON PURSER SHELTER, SEE 1/E5.2 AND E4.2, INSTALL 2"PVC80 FROM RAMP POWER CAN TO THE "PS" NEMA 4 CAN AT THE PURSER SHELTER FOR FUTURE POWER CONNECTIONS.
7. COORDINATE THE SERVICE CONDUITS TO CROSS ABOVE THE SEWER LINE WHICH RUNS AT 4' DEEP. MAINTAIN 1' FOOT CLEARANCE FROM SEWER PIPING.
8. EXISTING UNDERGROUND SERVICE FROM POLE TO EXISTING AMHS TRANSCLOSURE TO REMAIN, SEE E4.1.
9. EXISTING AMHS TRANSCLOSURE WITH PANEL L (TRANSCLOSURE LOCATION SHOWN IS BASED ON WORK BEING DONE IN SUMMER 2015) - REMOVE AND REPLACE TRANSFORMER, BREAKERS AND INSTALL NEW CIRCUITS FOR NEW PURSER'S SHELTER, SEE 2/E3.3, E4.1 & 1/E5.2. THERE IS AN EXISTING 2"C STUBBED UP AT PANEL L. EXTEND THIS CONDUIT FOR THE PURSER SHELTER BRANCH CIRCUITS.
10. TO HANDHOLE LOCATED AT TYPE L1 LIGHT POLE.

GENERAL NOTES

A. SEE PLAN SET A CIVIL DRAWINGS FOR EXISTING AND NEW SITE WORK. SEE C3.0 FOR EXTENT OF NEW PAVING

B. COORDINATE THE LOCATION OF THE SANITARY SEWER, AND WATER LINES WITH PLAN SET A SHEET 3.

C. SEE 2/E1 FOR TRENCHING. SEE E5.1 - E5.2 FOR LIGHT POLE INSTALLATION, SIDEWALK BOX DETAILS. MAINTAIN MIN. 1' SEPARATION BETWEEN THESE 'WET' PIPES AND THE ELECTRICAL AND TELEPHONE SERVICE CONDUITS.

D. COORDINATE THE EXACT LOCATION OF EACH NEMA 4 CAN, LIGHTING POLE BASE AND SIDEWALK BOX WITH THE ENGINEER PRIOR TO INSTALLATION.

E. INSTALL THE LONG DIMENSION OF THE SIDEWALK BOX PARALLEL TO THE CURB OR SIDEWALK.

F. ALL WORK SHOWN ON THE SITE PLAN OUTSIDE OF A 5' PERIMETER OF THE WAITING SHELTER AND PURSER'S SHELTER SHALL BE BID AS WORK ITEM 662(1), SEE SECTION 16010-1.03 FOR ADDITIONAL INFO ON THE WORK WITHIN 5' PERIMETER OF THE BUILDINGS.

ADD # 1

PLANSET B SHEET NO. E2.1, ELECTRICAL SITE PLAN. *Replace leader note* "IPEC TO INSTALL A NEW UTILITY POLE WITH TRANSFORMERS, CUTOUTS, AND SECONDARY SERVICE CONDUCTORS. (IN CONDUIT INSTALLED BY CONTRACTOR). THE CONTRACTOR SHALL INSTALL TRENCH, ELECTRIC AND TELEPHONE CONDUITS, SEE E4.1 AND E4.2." *with* "IPEC TO INSTALL A NEW UTILITY POLE WITH TRANSFORMERS, CUTOUTS, AND SECONDARY SERVICE CONDUCTORS. IPEC TO INSTALL TRENCH, ELECTRIC AND TELEPHONE CONDUITS, SEE E4.1 AND E4.2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION SEQUENCING WITH IPEC."

RECORD DRAWINGS

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August 31, 2017

WELSHWHITELEYARCHITECT, LLC
NELSON ELECTRICAL ENGINEERING

CHECKED BY: TED

STATE OF ALASKA · 49th · Keith Nelson · KEITH NELSON · EE-7655 · 9-30-15 · REGISTERED PROFESSIONAL ENGINEER · Electronic Signature

DESIGNED BY: KCN
DRAWN BY: KCN

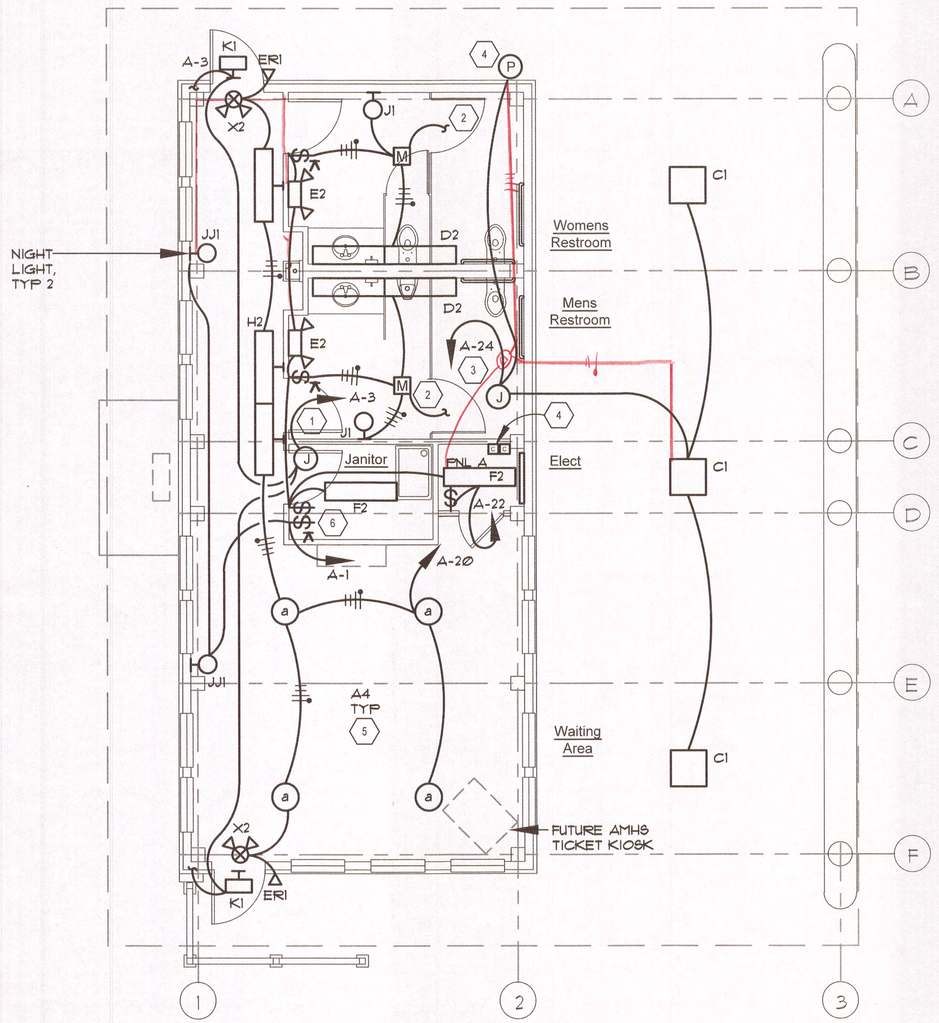
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

ELECTRICAL SITE PLAN

PATH: C:\USERS\KNEE\DOCUMENTS\0-KAKE AS-BLT\KAK E1 CA 171010.DWG
TAB: E2.1

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	E2.1	35



LIGHTING PLAN

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

0 4' 8' 12'

N

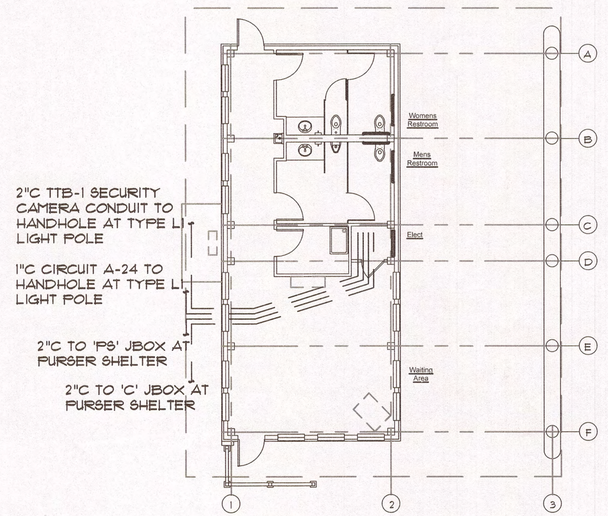
ELECTRICAL NOTES:

1. HOMERUN VIA WALLPACK LIGHTING CONTACTOR IN STORAGE ROOM. SEE 1/E1. JBOX LOCATED IN CEILING SPACE.
2. CONNECT TO EXH FAN IN BATHROOM. SEE E3.2. MOTION SENSOR ONE RELAY/CONTACT CONTROLS THE TYPE D2 & J2 FIXTURES AND THE OTHER RELAY/CONTACT CONTROLS THE EXHAUST FAN. AFTER NO MOTION IS DETECTED, PROGRAM THE SENSOR TIME DELAY: LIGHTS OFF = 1 MINUTE, FAN OFF = 15 MINUTES.
3. HOMERUN VIA PARKING LOT LIGHTING CONTACTOR IN STORAGE ROOM. SEE 1/E1. CONNECT CIRCUIT FOR THE TYPE C1 FIXTURES TO THE PARKING LOT TYPE L1 FIXTURES. JBOX LOCATED IN CEILING SPACE.
4. EXTERIOR LIGHTING CONTROLS - (2) CONTACTORS, TIME CLOCK. PHOTOCELL, SEE 1/E1.1.
5. CEILING IS WOOD, SLOPED, TONGUE AND GROOVE WITH SPACE ABOVE TO INSTALL CONDUIT. PENDANT MOUNT FIXTURES SO THE BOTTOM OF ALL FIXTURES ARE SAME HEIGHT ABOVE FLOOR AT 9'-6".
6. NIGHT LIGHTING HOMERUN VIA KEYED SWITCH IN JANITOR'S CLOSET. INSTALL LABEL ON SWITCH. "E LIGHTS ADDED TO CIRCUIT" AT 1 OF KEYED SWITCH LINE SIDE,

GENERAL NOTES:

A SEE E6.1 FOR PANELBOARD SCHEDULES

B STEEL COLUMNS CARRY GLU-LAM BEAMS. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS - COORDINATE RACEWAY INSTALLATION.



2 SITE PLAN BURIED CONDUITS

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

GENERAL NOTES:

A SEE 1/E2.1 FOR ADDITION INFO

RECORD DRAWINGS

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August 31, 2017

WELSHWHITELEYARCHITECT, LLC
NELSON ELECTRICAL ENGINEERING

CHECKED BY: TED

STATE OF ALASKA 49th KEITH NELSON EE-7855 6-30-15 REGISTERED PROFESSIONAL ENGINEER — Electronic Signature

DESIGNED BY: KCN
DRAWN BY: KCN

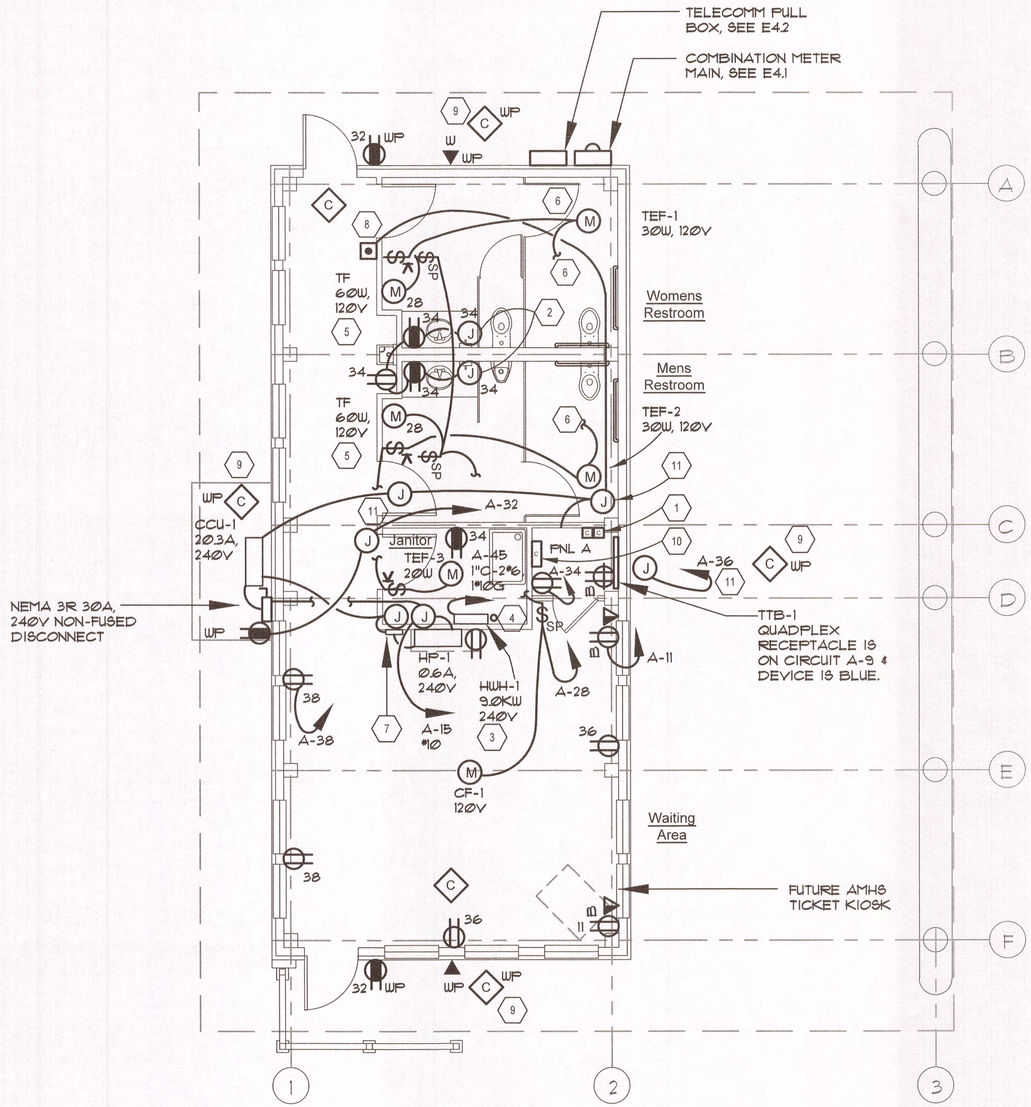
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

ELECTRICAL LIGHTING PLAN

PATH: C:\USERS\KNEE\DOCUMENTS\0-KAKE AS-BLT\KAK E1 CA 171010.DWG
TAB: E3.1

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	E3.1	35



1 POWER & SYSTEMS PLAN

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

0 4' 8' 12'

N

ELECTRICAL NOTES:

1. TIME CLOCK AND CONTACTORS FOR EXTERIOR BUILDING AND PARKING LOT LIGHTING. SEE 1/E1. CONTACTOR FOR SPLIT BUS, SEE E4.1
2. INSTALL JBOX FOR 120V CONNECTION TO LOW VOLTAGE TRANSFORMER FOR LAV FAUCETS, TOILET AND URINAL VALVE CONTROLS. TRANSFORMER IS PROVIDED BY MECH. COORDINATE W/ MECH AND MAKE COMPLETE CONNECTIONS. Boxes + Power installed to Bathroom stall as shown. mechanical equipment provided is batteried powered. 2 Gang blank cover was installed.
3. MAKE COMPLETE CONNECTIONS TO 9.0KW, 240V WATER HEATER PROVIDED BY MECHANICAL. COORDINATE LOCATION OF WATER HEATER WITH OWNER AND MECH.
4. WATER SERVICE METAL PIPE. MAKE CONNECTION TO GROUNDING ELECTRODE SYSTEM, SEE E4.1
5. SPEED SWITCH IS FOR THE TRANSFER FAN, TF. SWITCH IS PROVIDED BY MECHANICAL. MAKE COMPLETE CONNECTIONS,
6. TOILET EXHAUST FAN, TEF. INSTALL SWITCH AND MAKE CONNECTIONS TO THE MOTION SENSOR CONTROLLED LIGHTING CIRCUIT IN THE BATHROOM, SEE E3.1.
7. HARDWIRED CONTROLLER FOR HEAT PUMP BY MECH. MAKE COMPLETE CONTROL CONNECTIONS PER MFR REQUIREMENTS WITH MIN. #16/5C CONTROL CABLE BETWEEN CCU-1 AND HP-1. CONFIRM FINAL LOCATION WITH MECH ENGINEER. POWER & CONTROL JBOXES ARE LOCATED IN CEILING SPACE.
8. FLUSH MOUNT PUSHBUTTON FOR PANEL A CONTACTOR WHICH CONTROLS THE BOTTOM PANEL SECTION IN PANEL A (CKTS 19-48), COMPLETE WITH LABEL. JBOX IS LOCATED IN CEILING SPACE.
9. MOUNT BOX FLUSH IN SOFFIT.
10. 100A CONTACTOR, SEE E4.1
11. JBOX LOCATED IN CEILING SPACE

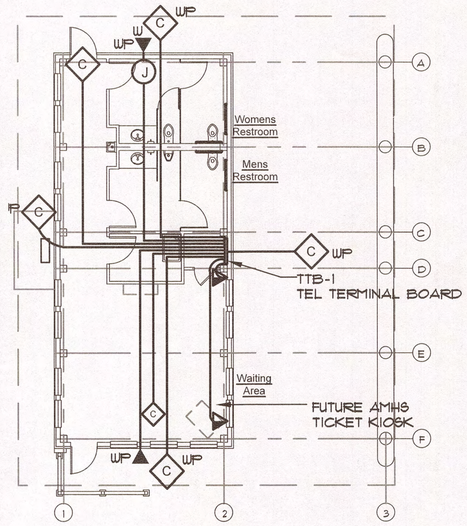
GENERAL NOTES:

A SEE E4.2 FOR TTB-1 TELEPHONE/DATA AND SECURITY CAMERA OUTLETS

B SEE M-1 MECHANICAL DRAWING FOR MOTOR NAMES & INFO.

C SEE E6.1 FOR PANELBOARD SCHEDULES.

D STEEL COLUMNS CARRY GLU-LAM BEAMS. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS - COORDINATE RACEWAY INSTALLATION.



2 CAMERA & TELECOMM CONDUIT PLAN

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

GENERAL NOTES:

A SEE 1/E3.2 FOR ADDITION INFO

RECORD DRAWINGS

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August 31, 2017

WELSHWHITELEYARCHITECT, LLC
NELSON ELECTRICAL ENGINEERING

CHECKED BY: TED

STATE OF ALASKA · 49th · KEITH NELSON EE-7655 9-30-15 REGISTERED PROFESSIONAL ENGINEER — Electronic Signature

DESIGNED BY: KCN
DRAWN BY: KCN

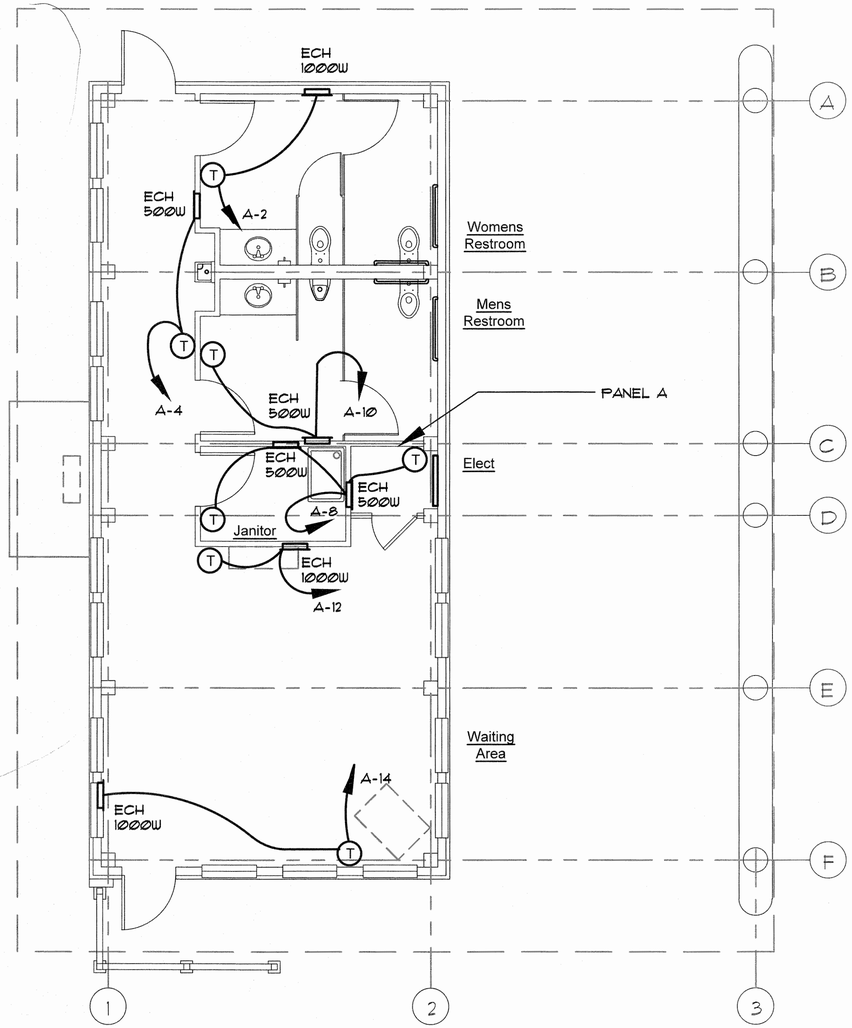
PATH: C:\USERS\KNEE\DOCUMENTS\0-KAKE AS-BLT\KAK E1 CA 171010.DWG
TAB: E3.2

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET B

ELECTRICAL POWER & SYSTEMS PLAN

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SAMHS00002	2015	E3.2	35



1 HEATING PLAN

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

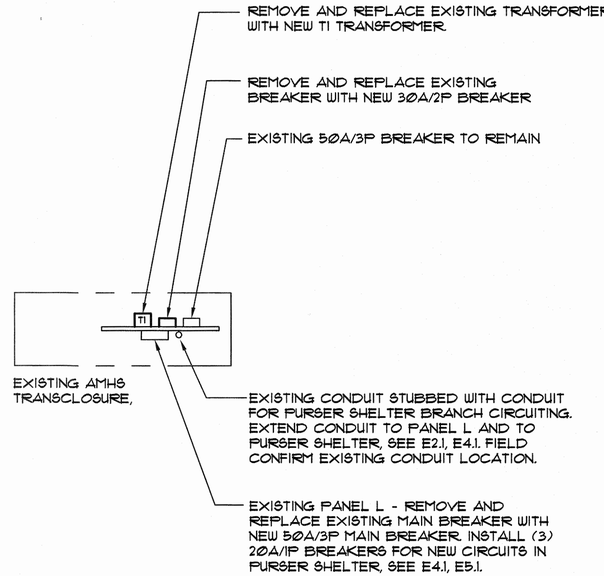
0 4' 8' 12'

N

GENERAL NOTES:

A SEE ARCHITECTURAL DRAWINGS FOR STEEL COLUMN LOCATIONS AND COORDINATE RACEWAY/WIRING INSTALLATION.

B SET THERMOSTATS OF ALL ELECTRIC HEATERS TO 50F



2 AMHS TRANSCLOSURE PLAN

NO SCALE

GENERAL NOTES:

A DETAIL IS BASED ON AS-BUILT DRAWINGS. NOT ALL EQUIPMENT IS SHOWN. FIELD CONFIRM EXISTING CONDITIONS.

B SEE E2.1 FOR TRANSCLOSURE LOCATION AND RAMP POWER CONDUIT, E4.1 FOR ONE LINE, 1/E5.1 FOR PURSER SHELTER CIRCUITING.

RECORD DRAWINGS

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August 31, 2017

WELSHWHITELEYARCHITECT, LLC
NELSON ELECTRICAL ENGINEERING

CHECKED BY: TED

STATE OF ALASKA 49th KEITH NELSON EE-7855 9-30-15 REGISTERED PROFESSIONAL ENGINEER Electronic Signature

DESIGNED BY: KCN
DRAWN BY: KCN

PATH: C:\USERS\KNEE\DOCUMENTS\0-KAKE AS-BLT\KAK E1 CA 171010.DWG
TAB: E3.3

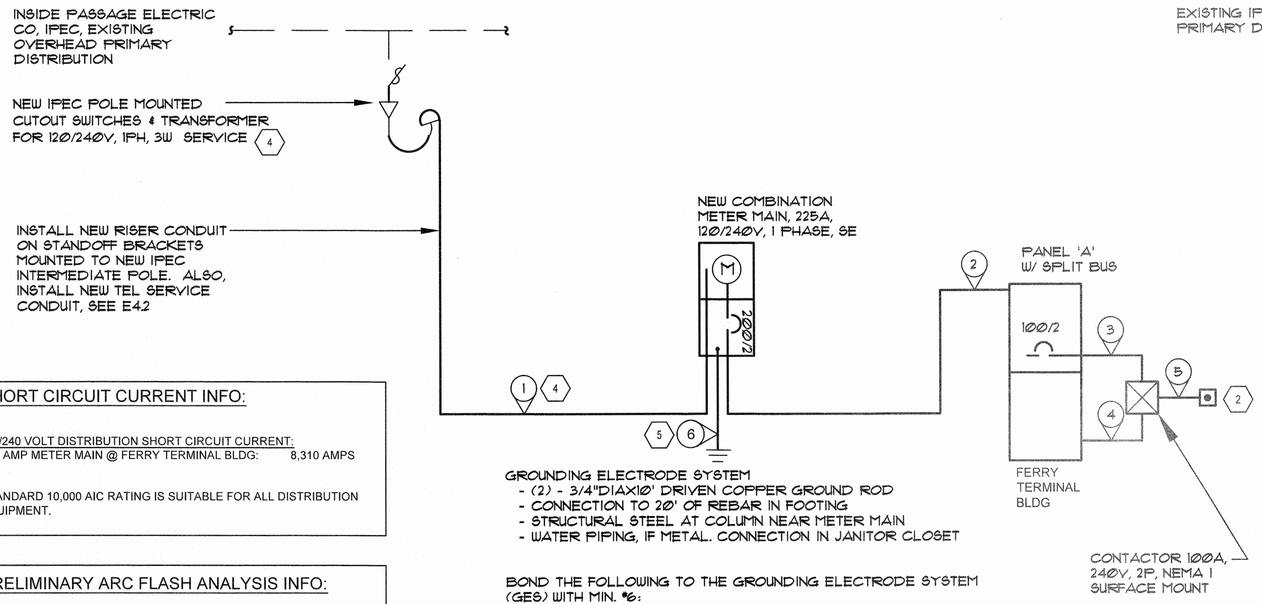
REVISIONS		
NO.	DATE	DESCRIPTION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOAST REGION

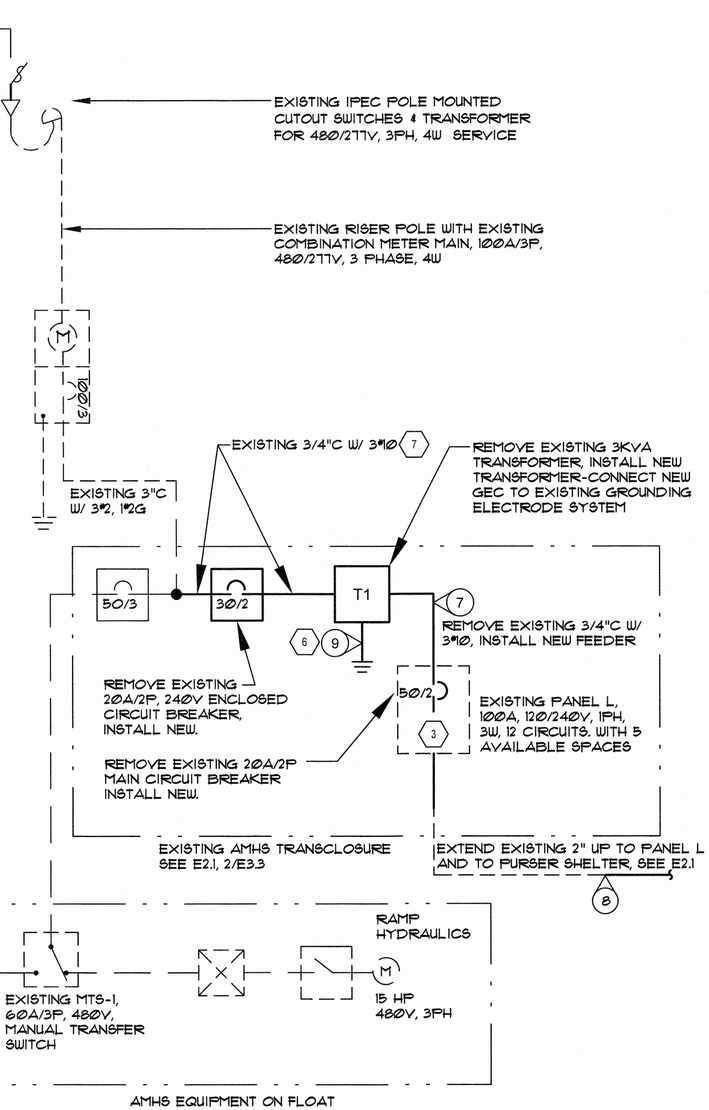
KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

ELECTRICAL HEATING PLAN & TRANSCLOSURE DETAIL

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	E3.3	35



1 ELECTRICAL ONE LINE DIAGRAM
NO SCALE



SHORT CIRCUIT CURRENT INFO:

120/240 VOLT DISTRIBUTION SHORT CIRCUIT CURRENT:
200 AMP METER MAIN @ FERRY TERMINAL BLDG: 8,310 AMPS

STANDARD 10,000 AIC RATING IS SUITABLE FOR ALL DISTRIBUTION EQUIPMENT.

PRELIMINARY ARC FLASH ANALYSIS INFO:

120/240V VOLT DISTRIBUTION SYSTEM EQUIPMENT:

FLASH PROTECTION BOUNDARY	4' - 0"
LIMITED APPROACH BOUNDARY	3' - 6"
RESTRICTED APPROACH BOUNDARY	1' - 0"
PROHIBITED APPROACH BOUNDARY	0" - 1"
SHOCK HAZARD	240VAC

FEEDER NUMBER	CONDUIT AND WIRE SIZE
1	3"C BY CONTRACTOR, 3#3/0 BY IPEC
2	2"C W/ 3#3/0, 1#4G
3	1-1/4"C W/ 3#2, 1#8G
4	1-1/4"C W/ 3#2, 1#8G
5	1/2"C W/ 2#12, 1#12G
6	1#2 BARE CU GEC
7	1"C W/ 3#6, 1#8G
8	2"C W/ 3#10, 1#10G
9	1#8 BARE CU GEC

NEC LOAD CALCULATION - NEW PANEL A

LOAD TYPE	VA
LIGHTING @1.25	3,040
MOTORS	310
RECEPTACLES	2,880
HEATING	9,872
HOT WATER	9,000
FUTURE WASTE HEAT SYSTEM	2,500
LARGEST MOTOR @ 0.25	1,086
TOTAL CONNECTED LOAD	28,648
	119 AMPS

THE 200A, 120/240V, 1PH, 3W PANEL AND FEEDER WILL HANDLE THE CONNECTED LOAD

TRANSFORMER SCHEDULE

NAME	KVA	PRIMARY	SECONDARY	GROUNDING	NOTES
T1	10	480V, 1PH, 3W	120/240V, 1PH, 3W	8	6
EXIST	3	480V, 1PH, 3W	120/240V, 1PH, 3W		REMOVE

ELECTRICAL NOTES:

1. INSTALL CONTACTOR AND PUSHBUTTON. PUSHBUTTON SHALL CONTROL THE CONTACTOR WHICH SWITCHES THE LOWER PORTION OF PANEL A (CKTS 18-48) ON AND OFF. THE FERRY TERMINAL MANAGER SHALL TURN THESE CIRCUITS ON WHENEVER THE BUILDING IS OCCUPIED AND OFF WHENEVER THE BUILDING IS UNOCCUPIED.
2. ~~PUSHBUTTON~~ Ky switch IS LOCATED IN THE CORRIDOR, SEE E3.2.
3. REARRANGE EXISTING BREAKERS AND INSTALL NEW CIRCUIT BREAKERS IN EXISTING PANEL LOCATED IN AMHS TRANSCLOSURE. THE NEW CIRCUITS FEED THE NEW PURSER'S SHELTER. THE EXISTING PANEL IS A SQUARE D LOAD CENTER, 18 CKT, 120/240V, 1PH, 3W. SEE E2.1 & 2/E3.3.
4. IPEC INSTALLATION INCLUDES INSTALLING SERVICE TRANSFORMER, SERVICE CONDUCTORS FROM TRANSFORMER TO METER MAIN, AND MAKING CONNECTIONS AT TRANSFORMER AND COMBINATION METER MAIN. THE TRENCH AND SERVICE CONDUIT FOR THE UNDERGROUND SERVICE IS INSTALLED BY THE CONTRACTOR IN THIS CONTRACT. COORDINATE W/ IPEC THEIR SERVICE REQUIREMENTS INCLUDING THEIR MOB/DEMOB TO THE SITE, THE TRENCH ROUTE AND THEIR EQUIPMENT LOCATIONS. THE CONTRACTOR SHALL ALSO INSTALL EMPTY TELEPHONE SERVICE CONDUIT IN THE TRENCH, SEE E4.2.
5. TAKE PHOTOGRAPHS OF ALL CONCEALED CONNECTIONS OF THE GROUNDING ELECTRODE SYSTEM CONNECTIONS AND ROUTE OF CONDUCTORS, INCLUDE THEM IN O/M MANUALS.
6. CONNECT NEW GEC TO EXISTING GROUNDING ELECTRODE SYSTEM
7. REMOVE EXISTING 3#10 CONDUCTORS EXTEND CONDUITS AS REQUIRED TO FEED NEW BREAKER, INSTALL NEW 2#10, 1#10G.

GENERAL NOTES:

A ALL SERVICE WORK SHALL COMPLY WITH LOCAL UTILITY CO REQUIREMENTS.

B PROVIDE NEW TYPED CIRCUIT DIRECTORY FOR NEW PANELS & EXISTING PANELS THAT HAVE NEW WORK. FIELD CONFIRM EXISTING CIRCUITS IN EXISTING PANEL L.

C TAPE THE OUTLINE OF THE NEC 110.16 CLEARANCES ON THE FLOOR IN FRONT OF EACH NEW PANELBOARD.

D PER THE DOT: PANEL L WORK: THE ELECTRICAL DISTRIBUTION INFO FOR THE AMHS TRANSCLOSURE IS BASED ON AS-BUILT INFO AND THE CONTRACTOR SHALL BID ON THIS INFO. PRIOR TO ORDERING THE NEW EQUIPMENT, THE CONTRACTOR SHALL FIELD CONFIRM THE INSTALLATION REQUIREMENTS AND NOTE THE DIFFERENCES BETWEEN AS-BUILT AND FIELD CONDITIONS FOR DISCUSSION AS A POSSBILE CHANGE ORDER.

RECORD DRAWINGS

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August 31, 2017

WELSHWHITELEYARCHITECT, LLC
NELSON ELECTRICAL ENGINEERING

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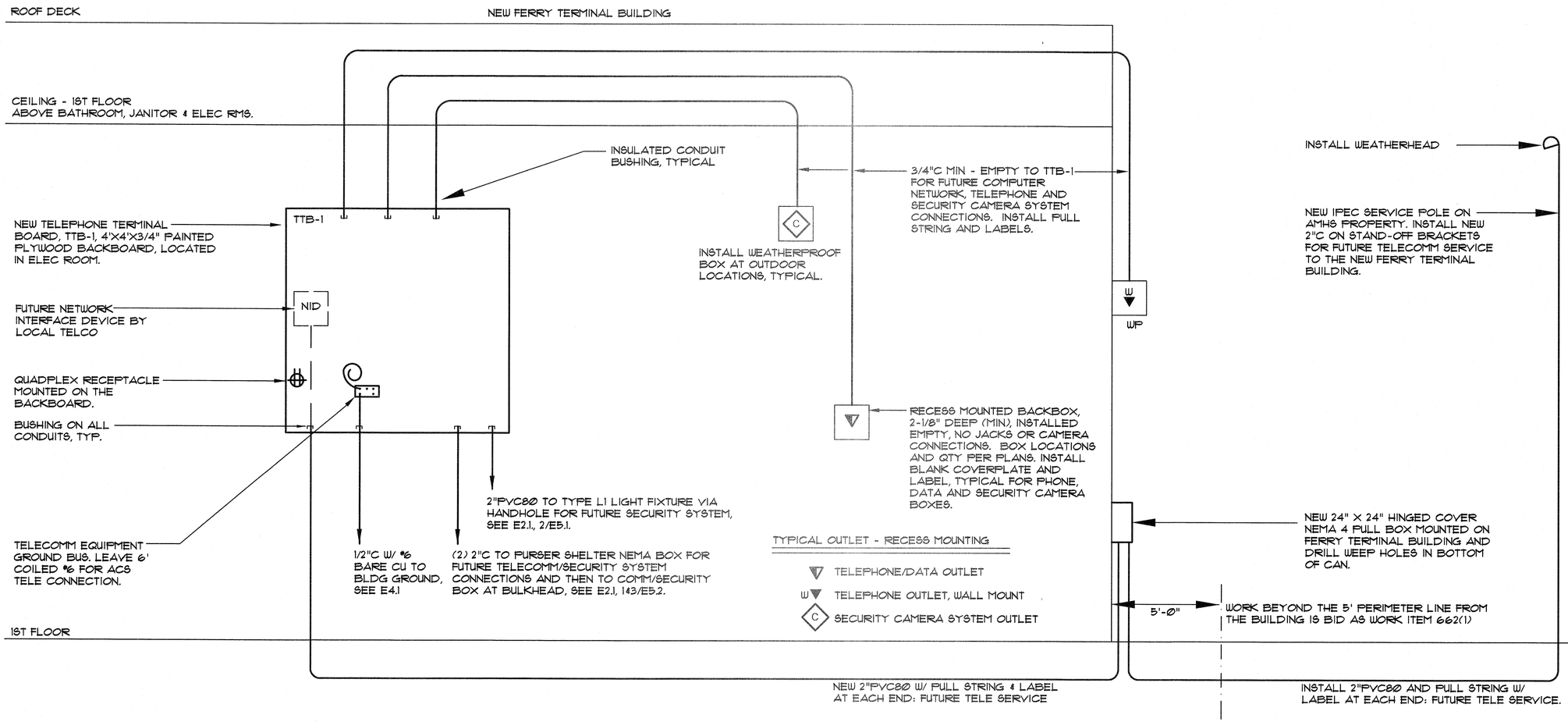
REVISIONS NO.	DATE	DESCRIPTION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL PASSENGER FACILITY
PLANSET B

ELECTRICAL ONE LINE DIAGRAM

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	E4.1	35



1 TELECOMMUNICATION & SECURITY SYSTEM ONE LINE DIAGRAM

NO SCALE

GENERAL NOTES:

A THIS DIAGRAM DOES NOT SHOW ALL DEVICES. THE INTENT OF THIS DETAIL IS TO SHOW THE TELECOMMUNICATION AND SECURITY SYSTEMS INSTALLATION METHODS. COORDINATE QUANTITIES AND LOCATIONS W/ THE OWNER. SEE SPECIFICATIONS E6 SERIES SHEETS FOR ADDITIONAL INFORMATION.

B THE TELECOMMUNICATIONS AND SECURITY SYSTEMS ARE EMPTY RACEWAY SYSTEMS. INSTALL COMPLETE RACEWAY CONCEALED FROM OUTLET TO TELEPHONE TERMINAL PANEL TTB-1. INSTALL PULL STRING IN EACH RACEWAY AND LABEL AT EACH END. LABEL SHALL IDENTIFY THE OUTLET LOCATION AND END POINT OF THE RACEWAY.

C OUTLET BOXES SHALL BE INSTALLED WITH BLANK COVERPLATE. BOXES SHALL BE INSTALLED CONCEALED. INSTALL LABEL ON COVERPLATE: TELE/DATA OR SECURITY CAMERA.

D COORDINATE THE INSTALLATION REQUIREMENTS WITH THE LOCAL TELCO (TELEPHONE) AND AMHS IT DEPARTMENT (SECURITY CAMERA AND DATA).

E FIRE CAULK AROUND ALL CONDUIT PENETRATIONS THRU THE GYP BOARD.

RECORD DRAWINGS

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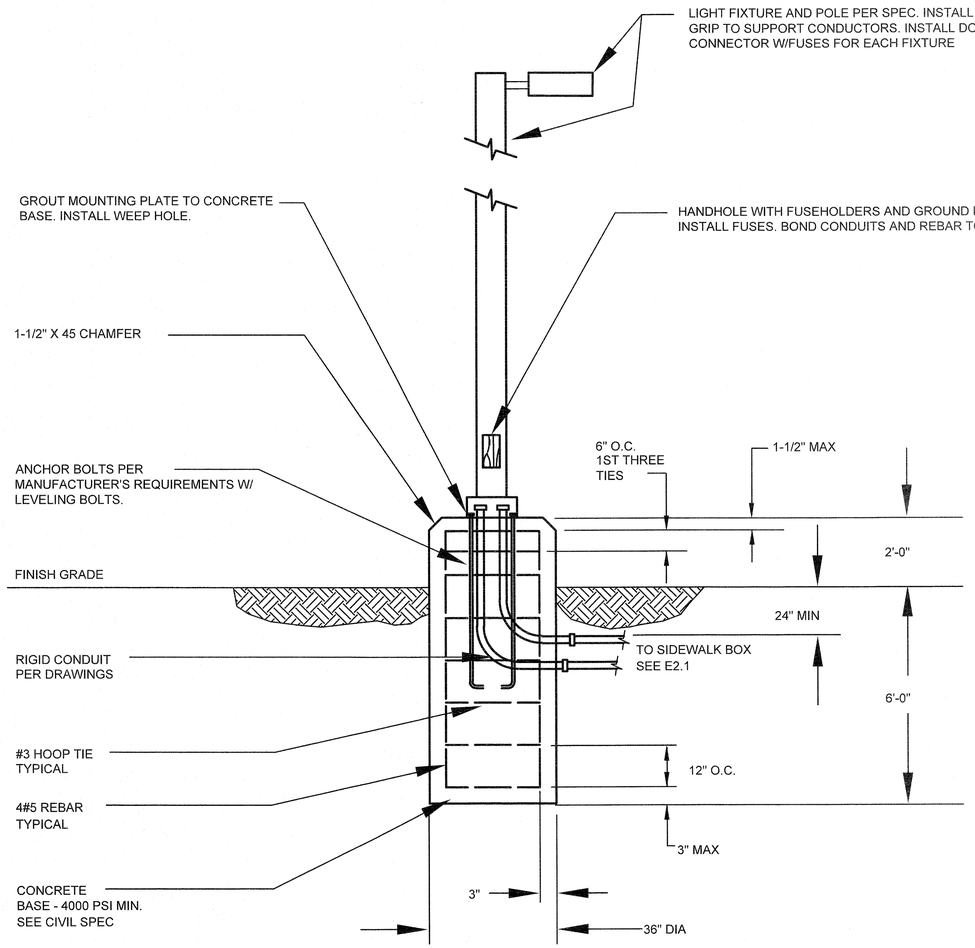
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

ELECTRICAL TELECOMM ONE LINE DIAGRAM

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	E4.2	35

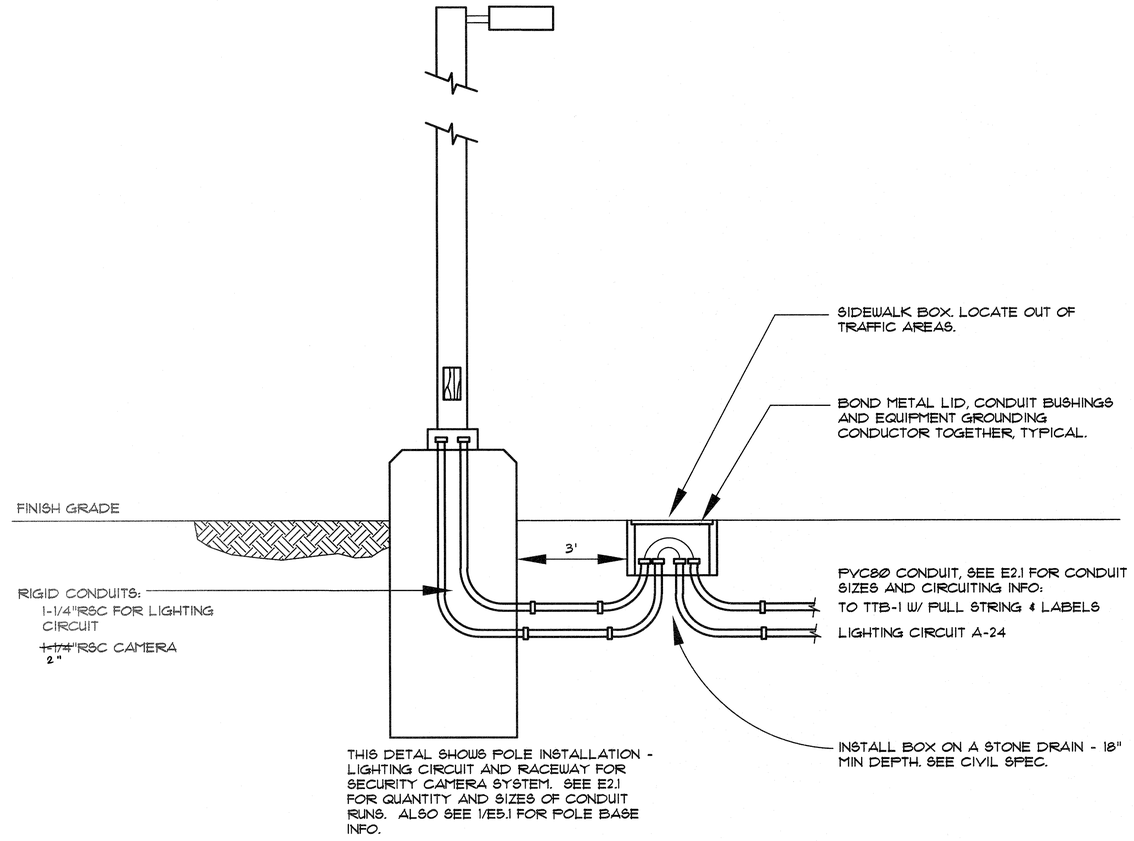


1 LIGHT POLE STANDARD DETAIL

NO SCALE

A. ALSO SEE DETAIL 2/E5.2 FOR ADDITIONAL INFO.

B. BID AS WORK ITEM 662(1)



THIS DETAL SHOWS POLE INSTALLATION - LIGHTING CIRCUIT AND RACEWAY FOR SECURITY CAMERA SYSTEM. SEE E2.1 FOR QUANTITY AND SIZES OF CONDUIT RUNS. ALSO SEE 1/E5.1 FOR POLE BASE INFO.

2 LIGHT POLE INSTALLATION DETAIL

NO SCALE

A. ALSO SEE DETAIL 1/E5.2 FOR ADDITIONAL INFO.

RECORD DRAWINGS

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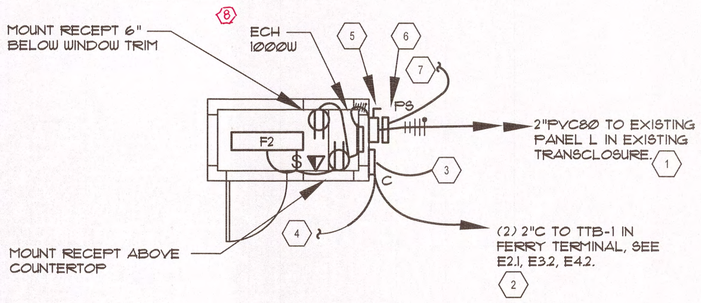
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

MISC. ELECTRICAL DETAILS

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	E5.1	35

BID THE WORK IN THE PURSER SHELTER AS
WORK ITEM 695(2), SEE SPECIFICATIONS



1 PURSER'S SHELTER ELECTRICAL PLAN

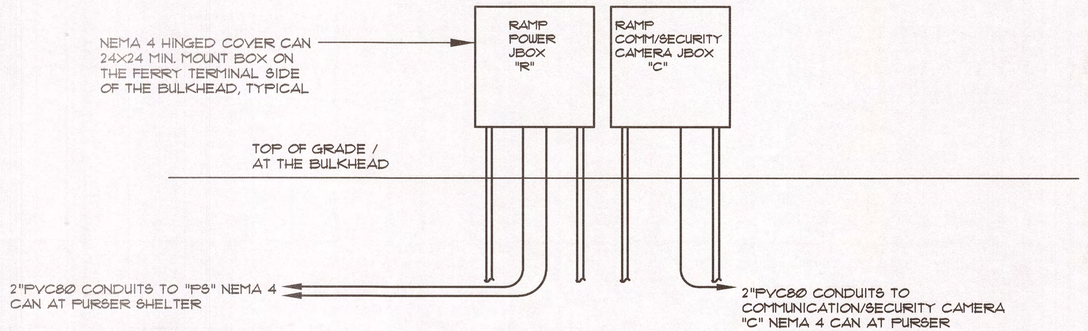
SCALE: 1/4" = 1' - 0"

0 4' 8' 12'

PLAN NORTH

ELECTRICAL NOTES:

1. INSTALL NEW 20A/2P BREAKER IN AVAILABLE SPACES IN EXISTING PANEL L SQUARE D LOAD CENTER - ONE CIRCUIT FOR LIGHTS, RECEPT, AND ONE FOR HEATER. CONFIRM AVAILABLE SPACE W/ DOT/AMHS. REARRANGE EXISTING BREAKERS AS REQUIRED TO OBTAIN 2 CONSECUTIVE SPACES.
2. ONE CONDUIT FOR FUTURE COMM, ONE CONDUIT FOR FUTURE SECURITY-CAMERA SYSTEM.
3. 24X24X4 NEMA 4 HINGED COVER CAN FOR FUTURE COMMUNICATIONS/SECURITY CAMERA SYSTEMS. INSTALL PULL STRINGS, LABELS IN ALL CONDUITS & WIRING DIAGRAM IN THE ENCLOSURE PER SPECIFICATIONS
4. (2) 2"C TO NEW NEMA 4 CAN (COMMUNICATIONS/SECURITY CAMERA SYSTEMS) MOUNTED ON BULKHEAD-ONE CONDUIT FOR FUTURE COMM, ONE CONDUIT FOR FOR SECURITY CAMERA SYSTEM, SEE E2.1, 2/E5.2
5. 30/3P, 240V, SE, NEMA 3R, NON-FUSED DISCONNECT. DO NOT CONNECT THE NEUTRAL TO THE GROUND BUS PER NEC 250.32. NO GROUND ROD REQUIRED PER NEC 250.32A EXCEPTION. INSTALL LABEL PER IDENTIFICATION SPEC.
6. 24X24X4 NEMA 4 HINGED COVER CAN FOR PURSER SHELTER POWER MOUNTED BELOW DISCONNECT, ROUTE BRANCH CIRCUITING FROM PANEL L TO BOX THEN TO DISCONNECT.
7. 2"PVC80 TO RAMP "C" NEMA 4 BOX, SEE E2.1, 2/E5.2
8. HEATER MOUNTED T-STAT



2 BULKHEAD BOX DETAIL

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

GENERAL NOTES:

A. DETAIL IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO SHOWS THE RACEWAY TRANSITION FROM THE UNDERGROUND RUN NEAR THE BULKHEAD. NOT ALL COMPONENTS ARE SHOWN. SEE E2.1, E4.2 & 1/E5.2.

B. LABEL COVER OF BOX AND INSTALL AS-BUILT DRAWING PER SPECIFICATIONS

C. COORDINATE LOCATION OF THE JBOXES AND INSTALLATION METHODS WITH THE ENGINEER PRIOR TO COMMENCING WITH THE ROUGH-IN WORK.

D. BID AS WORK ITEM 662(1)

RECORD DRAWINGS

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August 31, 2017

WELSHWHITELEYARCHITECT, LLC
NELSON ELECTRICAL ENGINEERING

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TAB: E5.2

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

MISC. ELECTRICAL DETAILS

REVISIONS NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	E5.2	35

KAKE FERRY TERMINAL LIGHTING FIXTURE SCHEDULE

TYPE	LAMPS	MOUNTING	DESCRIPTION	MANUFACTURER
A4	4-42TRT SP35	PENDANT, 9'-6" TO BOTTOM OF FIXTURE, SLOPED WOOD CEILING 3:12	PENDANT MOUNTED, CONICAL COMPACT FLUORESCENT, 27" DIA, MATTE WHITE, SLOPE ADAPTER, METAL SIDES, 120V,	SHAPER 444 SERIES
C1	90W LED 3000K	PENDANT, FIXTURE WITHIN GLU-LAM SPACE, SLOPED WOOD CEILING 3:12	LED SQUARE CANOPY FIXTURE FLAT TEMPERED GLASS LENS, IP65, GASKETED, WET LABEL, TYPE III DISTRIB, NATURAL ALUM, 240V	GARDCO SLENDERFORM SFC SERIES
D2	2-F32T8/735	SURFACE, CENTER CENTERED ABOVE MIRROR & PARTITIONS	4' FLUORESCENT INDIRECT, ASYMMETRIC DISTRIBUTION,	CORELITE AW-SP-T28 SERIES PERFORATED SHIELD,
E2	2 – 8 WATT HALOGEN BY MFR	SURFACE WALL, 6" ABOVE DOOR HEADER HEIGHT	EMERGENCY BATTERY PACK 2 HALOGEN LAMPS, CHARGER, TEST SWITCH, 6 VOLT BATTERY, 24 WATT MIN, 120/277V ADJUST LAMPS FOR MAX. LIGHT DISTRIBUTION	LITHONIA 6ELM2P SERIES
ER1	1 - 6 WATT HALOGEN SEALED	SURFACE WALL SAME AS 'E2'	EMERGENCY FIXTURE, REMOTE METAL HEAD, 1 LAMP, 6V, WET LOCATION, CONNECT TO X2 OR E2	LITHONIA ELA-NX SERIES SERIES
F2	2-F32T8/735	SURFACE	4' FLUORESCENT WRAPAROUND, ACRYLIC LENS, WHITE TRIM, 120V	METALUX SA-232 SERIES
H2	2-28T5HO/735 SP35	SURFACE GYP BOARD 8'AFF	4' INDIRECT ASYMETRIC WALL MOUNT WHITE ACRYLIC LENS, END CAPS, ROUND PERFERATIONS, 120V	NEO-RAY NUMBUS 601 SERIES
J1	19W LED 3500K	SURFACE, WALL, 6'AFF	LED CURVED WALL SCONCE, 14"WIDE PERFORATED CURVED SHIELD, ALUMINUM, 1900 LUMENS, 120V	SHAPER 635 SERIES
JJ1	16W LED	SURFACE, WALL, 7'AFF	WALL SCONCE, LED NIGHT LIGHT, SIM. TO J1 EXCEPT 1600 LUMENS, 16 WATT	SHAPER 635 SERIES
K1	30W LED	SURFACE, WALL 1' ABOVE HEADER	ROUND LED WALLPACK, SOLID UPPER HALF, RIBS, PRISMED LEN, DRIVERS FOR 1800 LUMEN OUTPUT, DARK BRONZE TGIC POWDER COAT FINISH, IP66 RATED, 120V	KIM WF SERIES
L1	255W LED DUAL ARRAY 3000K	POLE MOUNT 25' POLE	LED PARKING LOT FIXTURE, TYPE II DISTRIBUTION, WET LABEL GASKETED, DARK BRONZE TGIC POWDER COAT FINISH, FLAT GLASS, LENS MOUNTING ARM, DOUBLE FUSES & HOLDERS, EXTNL HOUSE SIDE SHIELD FOR WATERSIDE OF FIXTURE, IP66 RATED, 240V	GARDCO GULLWING GL18 SERIES
			25 FOOT, ROUND TAPERED STEEL GALVANIZED POLE W/ HANDHOLE, SIDE ARM MOUNT, BASE COVER, AASHTO 120MPH W/ 3 SEC. WIND GUST.	VALMONT RTS SERIES
X2	LED & 2-5.4W HALOGEN HEADS	WALL, BACKMOUNT. 6" ABOVE DOOR HEADER HEIGHT	COMBO LED EXIT FIXTURE WITH 2-EMERG LIGHT, GREEN LETTERING, CHARGER, TEST, HIGH OUTPUT BATTERY, ARROWS PER PLAN, WHITE HOUSING, EMERGENCY HALOGEN LAMPS, 120V, UNIT SHALL POWER 2 - ER1 REMOTE LAMPS	LITHONIA LHQM SERIES QUANTUM

NOTES:

1. MANUFACTURER'S LISTED ARE TO ESTABLISH QUALITY AND TYPE OF LIGHTING FIXTURE. PRIOR TO ORDERING THE FIXTURES THE OWNER AND ELECTRICAL CONTRACTOR SHALL SELECT THE TYPES OF FIXTURES, MOUNTING TYPES/ACCESSORIES, COLORS AND FINISHES.
2. PROVIDE LAMPS AND ALL MOUNTING AND OPERATING ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. ALL FIXTURES SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR INSTALLED FROM IT'S JBOX TO THE FIXTURE GROUND. FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE PER IBC REQUIREMENTS.
3. INDOOR BALLASTS SHALL BE HIGH POWER FACTOR, CLASS P, SOUND RATED 'A'. FLUORESCENT BALLASTS SHALL BE ELECTRONIC, 10% MAX. TOTAL HARMONIC DISTORTION, RAPID START, FULL LIGHT OUTPUT TYPE.
4. EXTERIOR HID FIXTURE BALLAST SHALL BE SUITABLE FOR OUTDOOR INSTALLATION, CONSTANT WATTAGE AUTOTRANSFORMER TYPE BALLAST AND RATED FOR -20F STARTING, BEAR THE SEAL OF THE CERTIFIED BALLAST MANUFACTURERS AND UNDERWRITERS' LABORATORIES, INC. IN ACCORDANCE WITH UL 1029, CLASS C SOUND RATING.
5. LED FIXTURES SHALL BE TESTED PER IESNA LM-79 STANDARDS.
6. PROVIDE THE OWNER WITH THE TOOLS FOR EACH TYPE OF TAMPERPROOF HARDWARE SYSTEM USED. (FOR EXAMPLE, TORK TX20 SCREWDRIVER) PROVIDE TWO SPARE KEYS FOR LOCKS.
7. PROVIDE SPARE PARTS:
   - FLUORESCENT:
     - 28T5HO/735 SP35: EIGHT LAMPS AND TWO BALLASTS
     - F32T8/735: EIGHT LAMPS AND TWO BALLASTS
   - CFL:
     - 42TRT: EIGHT LAMPS AND TWO BALLASTS
   - LED:
     - TYPE C1, J1, JJ1, K1 & L1 FIXTURES: (1) OPTICAL SYSTEM FOR EACH FIXTURE TYPE (LED LAMPS & DRIVER ASSEMBLY)

PANEL 'A' SCHEDULE

CKT. NO.	P	TRIP		LOAD SERVED	LOAD A	LOAD B	LOAD TYPE	CKT. NO.	P	TRIP	LOAD SERVED	LOAD A	LOAD B	LOAD TYPE
1	1	20		EMERGENCY LIGHT 9 Night Light - Corridor	40		L	2	1	20	Heat - Womens	1000		H
3	1	20		Lts - Wallpacks		96	L	4	1	20	Heat - Corridor		500	H
5	1	20		Spare	0		S	6	1	20	Spare	0		S
7	1	20		Control Ckt		50	A	8	1	20	Heat - Janitor/Storage		1000	H
9	1	20		Rec - TTB-1	360		G	10	1	20	Heat - Men	500		H
11	1	20		Rec - 24/7		360	G	12	1	20	Heat - Waiting		1000	H
13	1	20		Spare	0		S	14	1	20	Heat - Waiting	1000		H
15	2	30		CCU-1, HP-1		2436	H	16	2	100	Split Bus Main CB		0	F
17				" "	2436		H	18			" "	0		F
Circuits 1-18 are not switched. They are energized 24/7.							SPLIT BUS				Circuits 19-48 are switched on & off by the contactor.			
19	1	20		Spare		0	S	20	1	20	Lts- Corridor, Waiting		804	L
21	1	20		Spare	0		S	22	1	20	Lts - Bathrm, Jan, TEF1-3, Storage	562		L
23	1	20		Spare		0	S	24	2	20	Lts - Parking Lot, Drive Thru		465	L
25	1	20		Spare	0		S	26			" "	465		L
27	1	20		Spare		0	S	28	1	20	TF-1&2, CF-1		220	M
29	1	20		Space	0		S	30	1	20	Space	0		S
31	1	20		Space		0	S	32	1	20	Rec -Exterior		540	G
33	1	20		Space	0		S	34	1	20	Rec -Bathrm, Jan, Storage	720		G
35	1	20		Space		0	S	36	1	20	Rec - Waiting		540	G
37	1	20		Space	0		S	38	1	20	Rec - Waiting	360		G
39	1	20		Space		0	S	40	1	20	Space		0	S
41	1	20		Space	0		S	42	1	20	Space	0		S
43	1	20		Space		0	S	44	1	20	Space		0	S
45	2	50	*	HWH-1	4500		C	46	1	20	Space	0		S
47			*	"		4500	C	48	1	20	Space		0	S

225 AMP PANEL -MLO, 120/240, 1 PH, 3W
10,000 AIC, SURFACE MOUNTED, NEMA 1
SPLIT BUS 30 & 18 CKTS, GROUND BUS
TOP SECTION IS ON 24/7.
BOTTOM SECTION CONTROLLED BY PUSHBUTTON/CONTACTOR
OFF WHEN BUILDING IS UNOCCUPIED
ON WHEN BUILDING IS OCCUPIED WHILE FERRY IS IN PORT.
* = LOCKABLE HASP

RECORD DRAWINGS

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WELSHWHITELEYARCHITECT, LLC
NELSON ELECTRICAL ENGINEERING

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REVISIONS NO.	DATE	DESCRIPTION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHCOAST REGION

KAKE FERRY TERMINAL
PASSENGER FACILITY
PLANSET B

ELECTRICAL SPECIFICATIONS

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
SAMHS00002	2015	E6.1	35