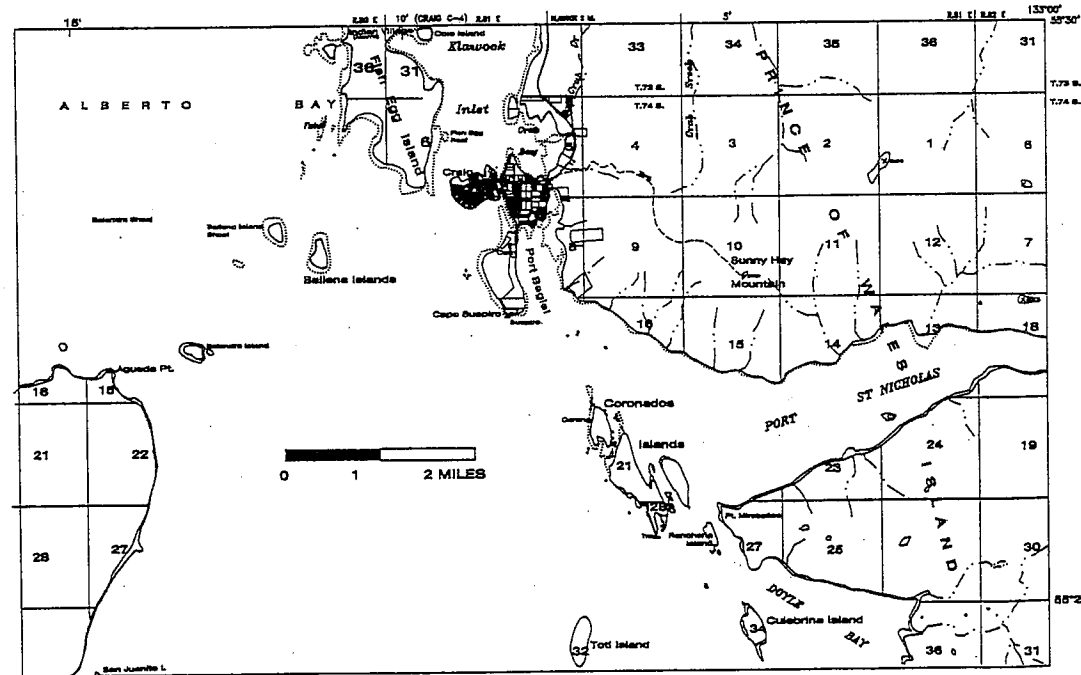


# CITY OF CRAIG FALSE ISLAND ICEHOUSE CONSTRUCTION

DECEMBER 2001

## VICINITY MAP

CRAIG (B-4) QUADRANGLE  
ALASKA  
1:63360 SERIES (TOPOGRAPHIC)



## SHEET LIST

- T1 VICINITY MAP / SHEET LIST
- T2 DESIGN CRITERIA
- T3 ABBREVIATIONS & SYMBOLS
- C1 PLAN VIEW LAYOUT
- S1 LAYOUT/FRAMING FIRST LEVEL ICE HOUSE
- S2 LAYOUT/FRAMING SECOND LEVEL PENTHOUSE
- S3 ROOF FRAMING & LAYOUT
- S4 ELEVATION VIEWS
- S5 TYPICAL SECTION
- S6 SECTION VIEWS
- S7 SECTION VIEWS
- S8 FRAMING DETAILS
- M1 EQUIPMENT LAYOUT

		Designed: JLC	Approved: TSS		Client: CITY OF CRAIG P.O. BOX 725 CRAIG, AK 99921	Project: FALSE ISLAND ICEHOUSE CONSTRUCTION	Sheet Description: COVER SHEET	Sheet No. T1
Date	No.	Description	By		R&M ENGINEERING-KETCHIKAN, INC. P.O. BOX 9592 KETCHIKAN, ALASKA 99901			
		Checked: TSS	Project No. 002406.01					
REVISION								



# DESIGN CRITERIA

## STRUCTURAL

### 1. CODES

ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE 1997 EDITION OF THE UNIFORM BUILDING CODE (UBC).

### 2. DESIGN LIVE LOADS:

ROOFS: a) 20 PSF LIVE  
b) 40 PSF SNOW  
c) 5 PSF MECHANICAL

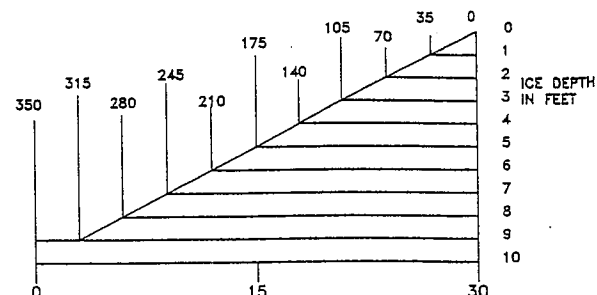
FLOORS: PENTHOUSE - 40 PSF  
ICE STORAGE - VARIES

### 3. WIND DESIGN: 100 MPH, EXPOSURE D

### 4. SEISMIC DESIGN: $V = 2.5 \times C_a \times I \times W / R$

ZONE 3 Z = 0.30  
IMPORTANCE FACTOR = 1.0

ICE STORAGE FLOOR LOAD IN LBS/SQ. FT.



## MECHANICAL

### 1. CODES - LATEST EDITION OF:

UNIFORM MECHANICAL CODE (UMC)

UNIFORM PLUMBING CODE (UPC)

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

## ELECTRICAL

### 1. CODES

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 1999 NATIONAL ELECTRIC CODE (NEC) AND THE NATIONAL ELECTRIC SAFETY CODE (ANSI C2-LATEST EDITION). OTHER REGULATION AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK WOULD INCLUDE STATE, COUNTY, CITY OR UTILITY INSPECTORS WHO ARE RESPONSIBLE FOR ELECTRICAL CONSTRUCTION SAFETY.

### 2. UTILITY SERVICES BY AP&T, 3-PHASE PRIMARY CABLE AND STEP-DOWN TRANSFORMER WITH LOW VOLTAGE METERING.

### 3. PLANT SERVICE DESIGN

- a. 120/208 VOLT, 3-PHASE, 4-WIRE, SOLID GROUNDED NEUTRAL SYSTEM
- b. POWER FACTOR 90 PERCENT OR GREATER

### 4. INTERIOR LIGHTING DESIGN

30 FOOT CANDLES  
METAL HALIDE LAMPS  
208 VOLT BALLAST

# GENERAL NOTES

## GENERAL

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON THE DRAWINGS.
3. OPENINGS LARGER THAN 6" SHALL NOT BE PLACED IN CONCRETE SLABS, DECKS, BEAMS, JOISTS, COLUMNS, WALLS, ETC. UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC. LARGER THAN SIX INCHES NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.
4. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
5. THE ENGINEERING FOR THE STRUCTURAL INSULATED PANELS SHALL BE PROVIDED BY THE CONTRACTOR FOR THE LOADS INDICATED ON THE DRAWINGS.

## SPECIFICATIONS

ICE BIN WALLS: 5 1/2" STRUCTURAL INSULATED PANELS

FINISH:  
EXTERIOR: 1/2" EXT. PLYWOOD  
INTERIOR: 1/2" EXT. PLYWOOD

PENTHOUSE FLOOR: 11 1/4" STRUCTURAL INSULATED PANELS

FINISH:  
EXTERIOR (CEILING): 1/2" EXT. PLYWOOD  
INTERIOR (FLOOR): 3/4" EXT. PLYWOOD

ICE BIN/PENTHOUSE CEILING: 7 1/2" STRUCTURAL INSULATED PANELS

ICE BIN FLOOR: 5 1/2" STRUCTURAL INSULATED PANELS

FINISH:  
EXTERIOR: 1/2" EXT. PLYWOOD  
INTERIOR: 1/2" EXT. PLYWOOD

ICE BIN LINER WALLS: 2" X 6" WOOD FRAME CONSTRUCTION (NO INSULATION)

FINISH:  
EXTERIOR: 1/2" EXT. PLYWOOD

ICE BIN FLOOR: 1" EXT. PLYWOOD

PENTHOUSE WALLS: 5 1/2" STRUCTURAL INSULATED PANELS

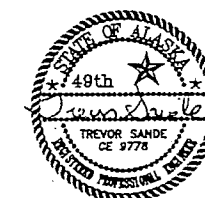
PENTHOUSE CEILING: 7 1/2" STRUCTURAL INSULATED PANELS

ICE STORAGE & PENTHOUSE ROOF:  
2 X 10 RAFTERS @16" O.C.  
METAL ROOFING

MINIMUM INSULATION REQUIREMENTS UNLESS OTHERWISE NOTED:

Roof/Ceiling (ICE BIN)	R50 MIN.
Roof (PENTHOUSE)	R50 MIN.
Ext. Walls	R40 MIN.
Floors & Soffits	R40 MIN.

	Designed: JLC	Approved: TSS		Client: CITY OF CRAIG P.O. BOX 725 CRAIG, AK 99921	Project: FALSE ISLAND ICEHOUSE CONSTRUCTION	Sheet Description: DESIGN CRITERIA	Sheet No.: T2
Date	No.	Description	By				
		REVISION					
		Checked: TSS	Project No. 002406.01	R&M ENGINEERING-KETCHIKAN, INC. P.O. BOX 9592 KETCHIKAN, ALASKA 99901			



ABBREVIATIONS

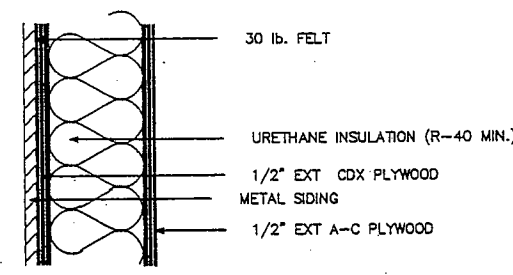
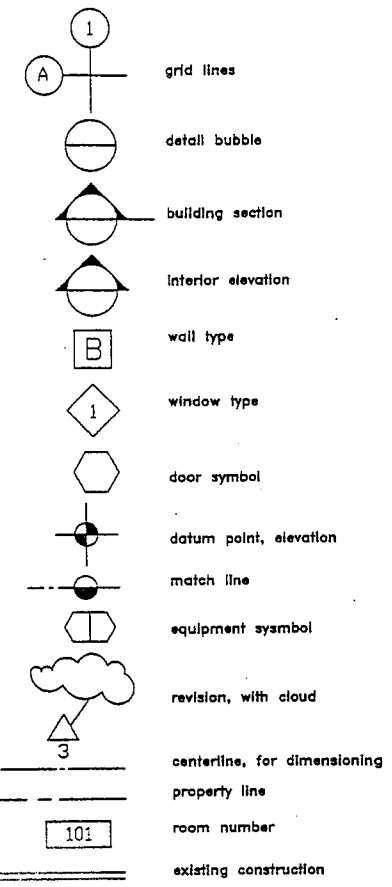
A.B. Anchor Bolt  
 A.C.O.S. Acoustical Ceiling  
 A.C.T. Americans with Disabilities Act  
 A.D.A. Adjustable  
 A.F.F. Above Finished Floor  
 A.G.G.R. Aggregate  
 ALUM. Aluminum  
 ANOD. Anodized  
 APPROX. Approximate  
 ARCH. Architectural  
 ASPH. Asphalt  
 B.D. Board  
 B.W.N. Between  
 B.C. Building  
 B.L.G. Blocking  
 B.M. Beam  
 B.O.T. Bottom  
 CAB. Cabinet  
 C.B. Catch Basin  
 CEM. Cement  
 C.F. Ceramic  
 C.A.M.F. Cement in Place Concrete  
 C.J. Control Joint  
 C.L. Clear  
 C.M.U. Concrete Masonry Unit  
 C.C. Column  
 C.C.N. Concrete Connection  
 C.C.S.T.R. Construction  
 C.C.S.T.R. Continuous  
 C.C.P. Carpet  
 C.C.S.K. Countersunk  
 C.C.N.T.R. Ceramic Tile  
 C.C.T.R. Center  
 D.B.L. Double  
 D.E.T. Detail  
 D.E.M.O. Demolition  
 D.F. Drinking Fountain  
 D.I.A. Diameter  
 D.A.G. Diagonal  
 D.I.M. Dimension  
 D.I.S.P. Dispenser  
 D.O.W. Down  
 D.O.O. Door Opening  
 D.O.S. Downsout  
 D.O.T. Drain Tile  
 D.W.G. Drawing  
 E.I.F.S. Exterior Insulation Finish System  
 E.C.H. Expansion Joint  
 E.P. J.T. Expansion Joint  
 E.L.E. Electrical  
 E.V.R. Elevator  
 E.M.E.R.G. Emergency  
 E.N.C.L. Enclosure  
 E.Q.U.I.P. Equipment  
 E.A.D.J. Adjuster  
 E.X.I.S.T. Existing  
 E.X.P. Expanded  
 E.X.T. Expansion  
 E.X.T. Exterior

F.A. Fire Alarm  
 F.A.T. Fire Alarm Test  
 F.O.I.C. Furnished by Owner Installed by Contractor  
 F.O.D. Floor Drain  
 F.O.C. Fire Extinguisher  
 F.O.C. Fire Extinguisher Cabinet  
 F.O.C. Fire Hydrant  
 F.O.C. Fire Hose Cabinet  
 F.O.C. Fire Head Machine Screw  
 F.O.C. Finish  
 F.O.C. Floor  
 F.O.C. Washing  
 F.O.C. Face of Column or Concrete  
 F.O.C. Face of Finish  
 F.O.C. Face of Masonry  
 F.O.C. Face of Studs  
 F.O.C. Fireproof  
 F.O.C. Frame  
 F.O.C. Foot or Feet  
 F.O.C. Cooling  
 F.O.C. Furring  
 F.O.C. Future  
 F.O.C. Full Width  
 G.A. Gauge  
 G.A.L. Gallon  
 G.A.L.V. Galvanized  
 G.A.B. Grab Bar  
 G.L. Glass Laminated  
 G.L. Glass Glazing  
 G.R. Ground  
 G.R. Grade  
 G.W.B. Gypsum Wall Board  
 G.Y.P. Gypsum  
 H.B. Hose Bibb  
 H.C. Hollow Core  
 H.C. Handicap  
 H.D.O. High Density Overlay  
 H.W. Hardwood  
 H.W. Hollow Metal  
 H.Z. Horizontal  
 H.L. Height  
 H.V.A.C. Heat Ventilation/Air Conditioning  
 H.W.T. Hot Water Tank  
 I.D. Inside Diameter  
 I.H.M. Insulated Hollow Metal  
 I.N.C. Inclinometer  
 I.N.C. Including  
 I.N.S.U.L. Insulation  
 I.N.T. Interior  
 J.A.N. Janitor  
 J.B. Junction Box  
 J.J. Joint  
 K.I.T. Kitchen  
 K.O. Knock-Out  
 L.A.M. Length, Long  
 L.A.M. Laminated  
 L.A.V. Laminated  
 L.F. Linear Feet  
 L.H. Left Hand  
 L.P. Locker  
 L.T. Lintel

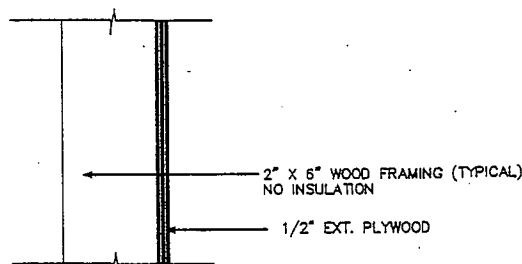
M.A.T. Material  
 M.A.R.B. Marble  
 M.A.S. Masonry  
 M.A.S. Maximum  
 M.A.S. Maximum Bolt  
 M.A.S. Medium Density Overlay  
 M.A.S. Mechanical  
 M.A.S. Membrane  
 M.A.S. Mezzanine  
 M.A.S. Metal  
 M.A.S. Manufacturer  
 M.A.S. Millar  
 M.A.S. Minimum  
 M.A.S. Mirror  
 M.A.S. Miscellaneous  
 M.A.S. Masonry Opening  
 M.A.S. Mounted  
 M.A.S. Mullion  
 M.A.S. North  
 M.A.S. Not in Contract  
 M.A.S. Lumber  
 M.A.S. Nominal  
 M.A.S. Not To Scale  
 M.A.S. Overall  
 M.A.S. Obscure  
 M.A.S. On Center  
 M.A.S. Outside Diameter  
 M.A.S. Office  
 M.A.S. Overflow Floor Drain  
 M.A.S. Overhang  
 M.A.S. Opening  
 M.A.S. Opposite Hand  
 M.A.S. Open to Structure  
 M.A.S. Opening  
 M.A.S. Opposite  
 P.A. Public Address  
 P.B. Particle Board  
 P.E.R.T. Perforated  
 P.L. Property Line, Plate  
 P.L.A.M. Plastic Laminate  
 P.L.A.S.T. Plaster  
 P.W.D. Plywood  
 P.A.N. Panel  
 P.S.F. Pounds per Square Foot  
 P.S.I. Pounds per Square Inch  
 P.T. Point  
 P.T. Pressure Treated  
 P.T. Paper Towel Dispenser  
 P.T.D./R. Combination Paper Towel  
 P.T. Dispenser and Receptacle  
 P.T. Partition  
 Q.T. Quarry Tile  
 R. Riser  
 R.A.D. Radius  
 R.C.P. Reflected Ceiling Plan  
 R.D. Roof Drain  
 R.E.S. Resilient  
 R.E.T. Refrigerator  
 R.E.G. Register  
 R.H. Round-Head  
 R.E.Q. Required  
 R.H. Right Hand  
 R.C.M. Room  
 R.O.P. Rough Opening  
 R.O.T. Right of Way  
 R.S.T. Resilient Tile  
 R.W.D. Redwood

SOUTH  
 S.C. Solid Core  
 S.C. Cover Dispenser  
 S.C. Schedule  
 S.C. Soap Dispenser  
 S.C. Sealed  
 S.C. Section  
 S.C. Self  
 S.C. Tower  
 S.C. Nest  
 S.C. Heating  
 S.C. Millar  
 S.C. Metal  
 S.C. Sanitary Napkin Dispenser  
 S.C. Specification  
 S.C. Square Foot (Feet)  
 S.C. Square Inch (es)  
 S.C. Stainless Steel  
 S.C. Standard  
 S.C. Steel  
 S.C. Storage  
 S.C. Structural Structure  
 S.C. Suspended  
 S.C. Symmetrical  
 S.C. Sheet Vinyl  
 T.R.D. Tread  
 T.B. Towel Bar  
 T.O.C. Top Of Curb  
 T.O.G. Tongue and Groove  
 T.S. Tubs Steel  
 T.E.L. Telephone  
 T.E.M.P. Tempered  
 T.E.P. Terrazzo  
 T.E.C. Threshold  
 T.E.J. Tooled Joint  
 T.O.S. Top of Slab  
 T.O.P. Toilet Paper Holder  
 T.Y.P. Typical  
 U.L. Underwriters' Laboratories  
 U.O.N. Unless Otherwise Noted  
 U.R. Urinal  
 V.I.F. Verify in Field  
 V.T. Vinyl Tile  
 V.E.R.T. Vertical  
 V.E.S.T. Vestibule  
 W. West  
 W. With  
 W.C. Water Closet  
 W. Window  
 W.O. Without  
 W.L. Water Line  
 W.P. Waterproofing  
 W.S. Weatherstrip or Wood Screen  
 W.S.C. Wainscot  
 W. Weight  
 W.W.F. Welded Wire Fabric  
 Y.D. Yard Drain

DRAWING SYMBOLS



1 EXTERIOR WALL- ICE BIN AND PENTHOUSE



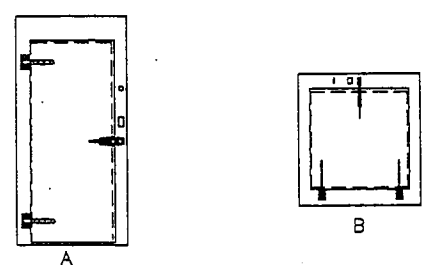
2 INTERIOR WALL-ICE STORAGE AREA

WALL TYPES

DOOR SCHEDULE

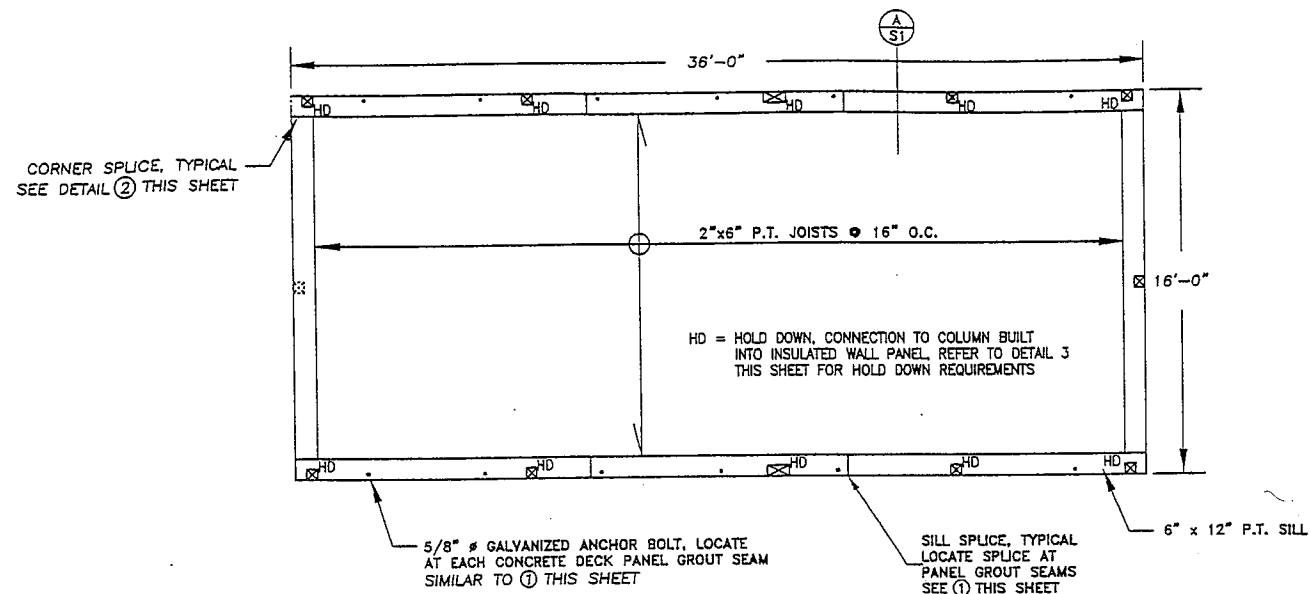
No.	Type	Size (WxH)	Thick	Construction door frame	Details			Remarks
					Head	Jamb	Thresh.	
(1)	A	36" x 84"		INFIT FREEZER	-	-	-	PENTHOUSE ACCESS (HINGE RIGHT)
(2)	A	36" x 84"		INFIT FREEZER	-	-	-	ICE STORAGE ACCESS (HINGE LEFT)
(3)	B	36" x 36"	3"	INFIT FREEZER	-	-	-	HATCH ACCESS PENTHOUSE TO ICE STORAGE

DOOR TYPES



Designed: JC	Approved: TSS		Client: CITY OF CRAIG P.O. BOX 725 CRAIG, AK 99921	Project: FALSE ISLAND ICEHOUSE CONSTRUCTION	Sheet Description: ABBREVIATIONS & SYMBOLS	Sheet No. T3
Drawn: JC	Scale: AS NOTED Date: 12/19/01					
Date	No.	Description	By	Checked: TSS	Project No. 002407	

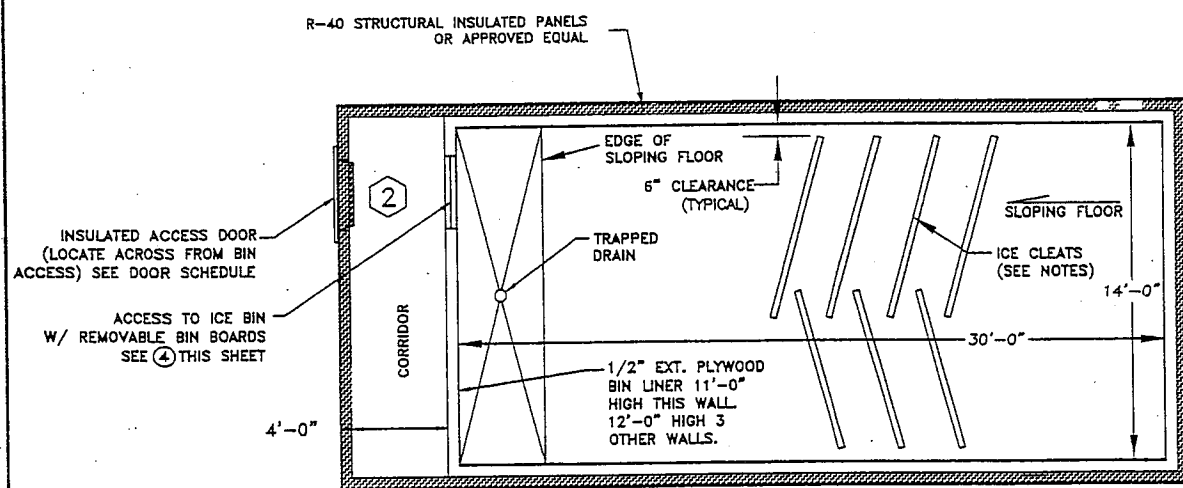
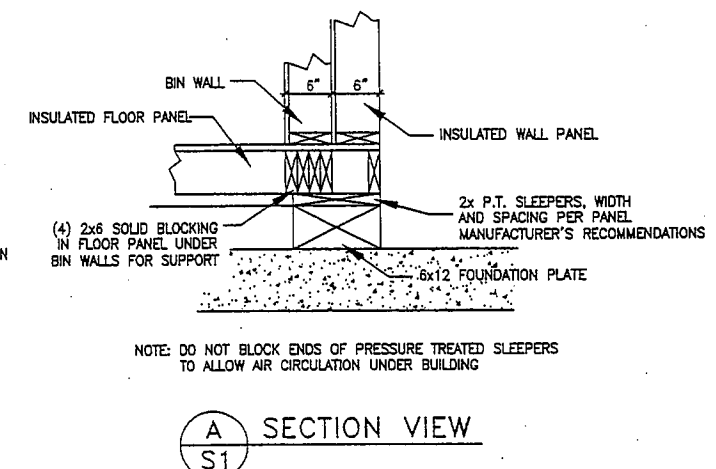
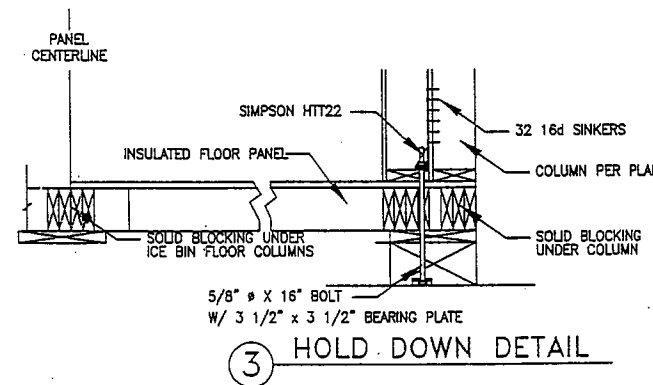
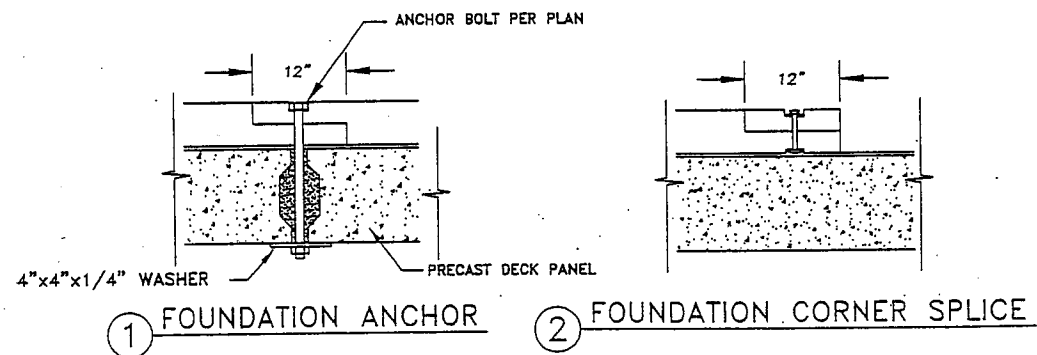
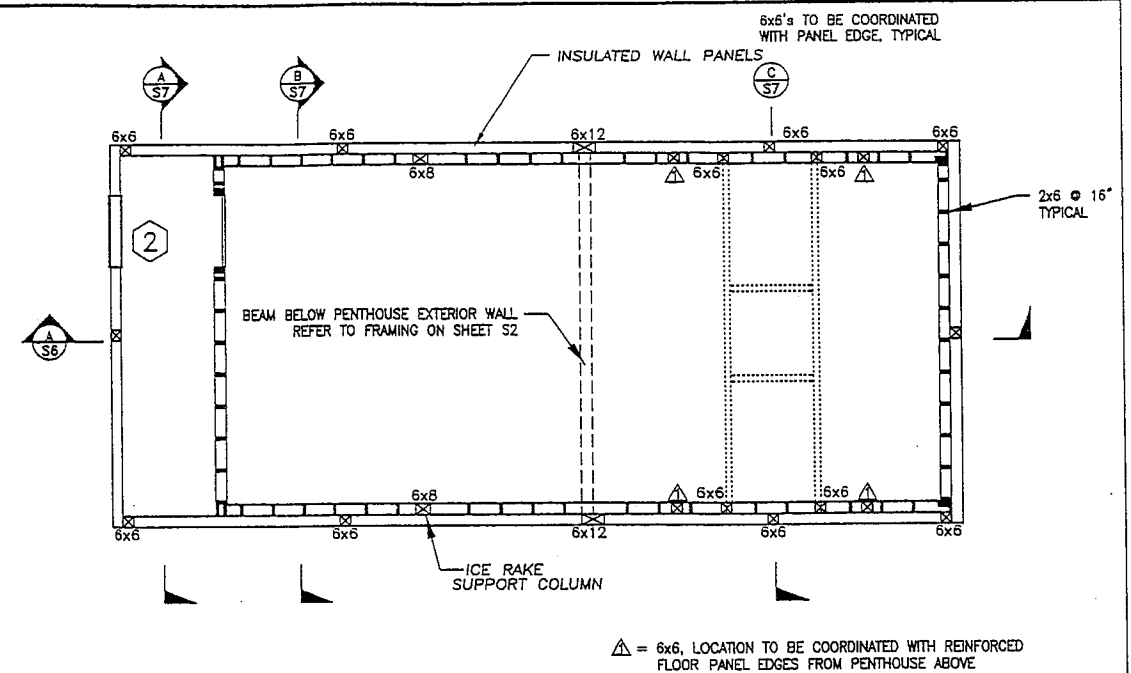




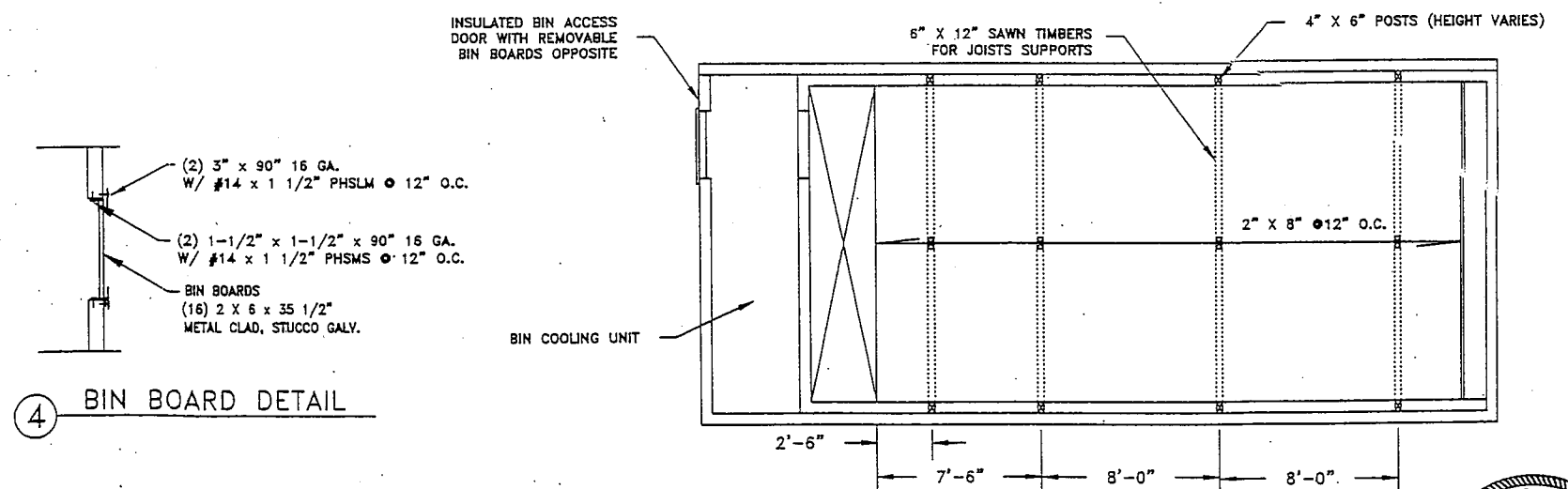
PLAN VIEW - WOOD FOUNDATION

STRUCTURAL NOTES:

- 1.) EXTEND ALL 6"x12", 6"x8", & 6"x6" POSTS FROM FLOOR TO CEILING & SECURE @ TOP AND BOTTOM.
- 2.) EXTEND PLYWOOD BIN LINER TO INSIDE BIN FLOOR ONLY LEAVE BELOW FLOOR OPEN FOR AIR CIRCULATION.
- 3.) PROVIDE SOLID BLOCKING IN INSULATED PANELS ABOVE & BELOW 6"x12", 6"x10", 6"x8", & 6"x6" POSTS.

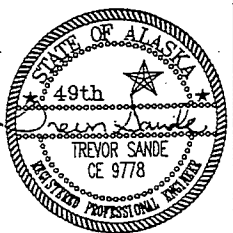


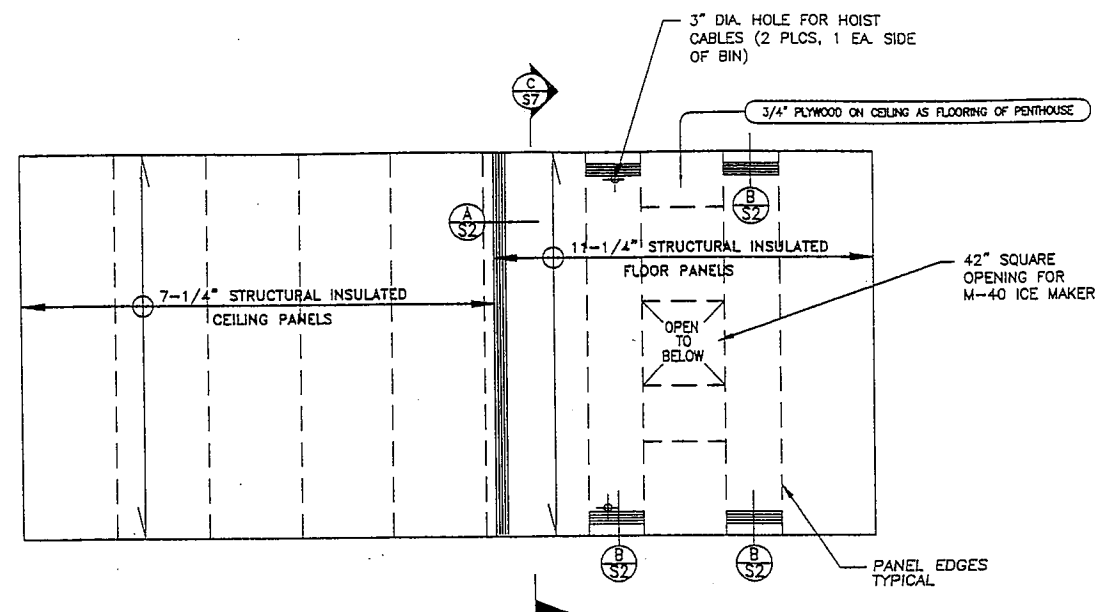
PLAN VIEW - ICE BIN STORAGE



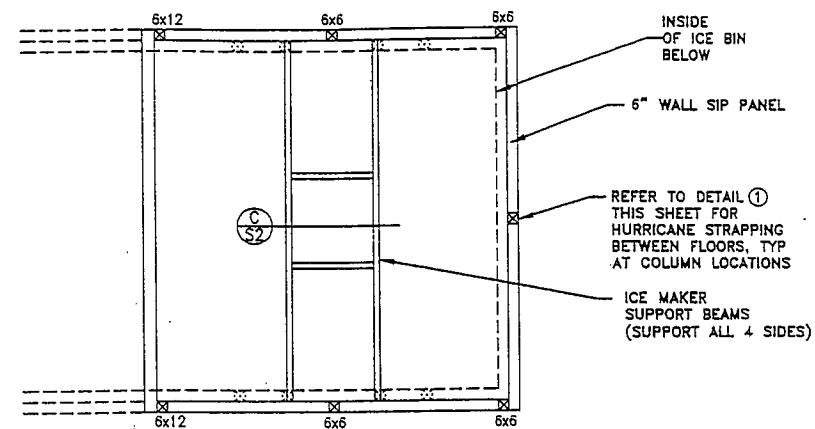
PLAN VIEW - ICE BIN FLOOR FRAMING

Designed: JLC	Approved: TSS	<p>R&amp;M ENGINEERING-KETCHIKAN, INC. 355 CARLANNA LAKE ROAD KETCHIKAN, ALASKA 99901</p>	Client: CITY OF CRAIG BOX 725 CRAIG, AK 99921	Project: FALSE ISLAND DOCK AND ICEHOUSE ADDITION	Sheet Description: LAYOUT / FRAMING FIRST LEVEL ICE HOUSE	Sheet No. S1
Drawn: VHM	Scale: AS NOTED					
Date	No.	Description	By	Checked: JC	Project No. 002406.01	

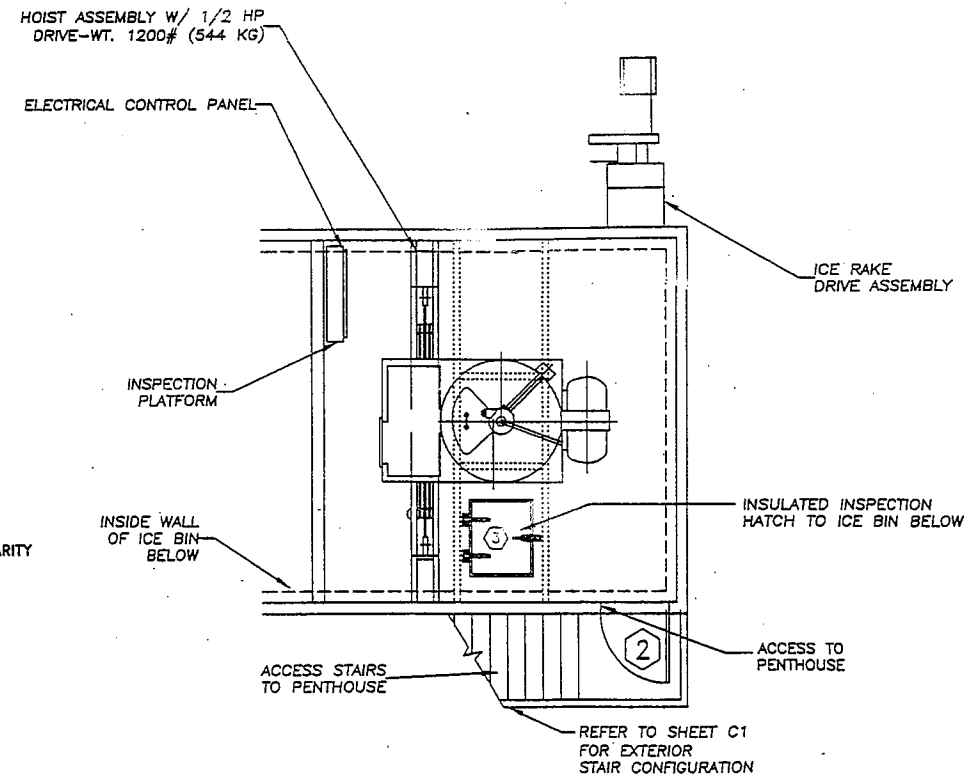
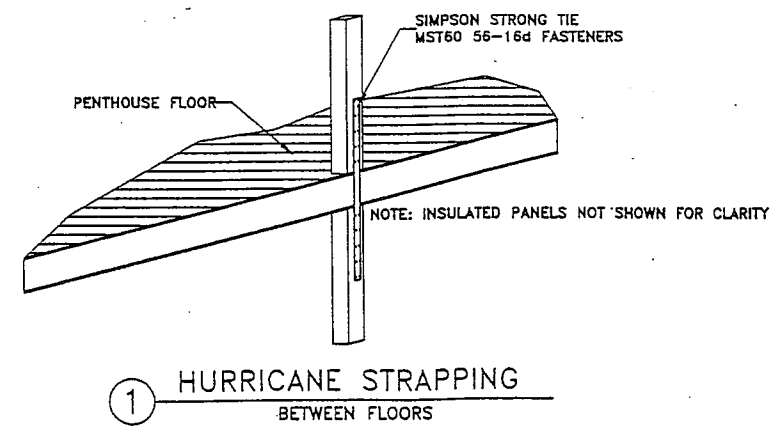
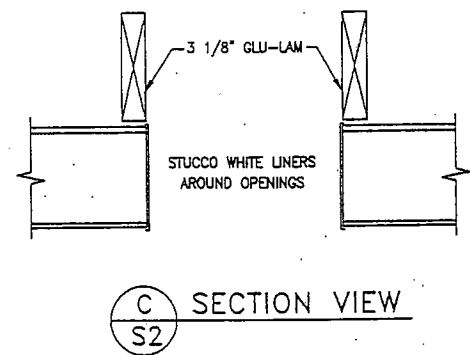
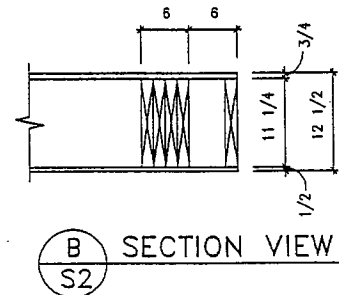
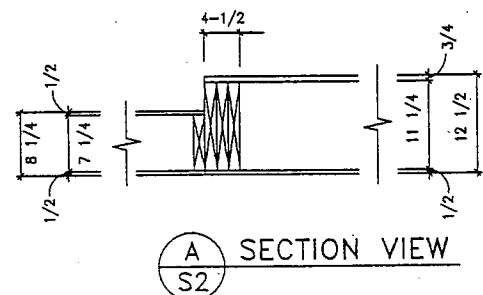




BIN CEILING / PENTHOUSE FLOOR  
PANEL LAYOUT AND REINFORCING

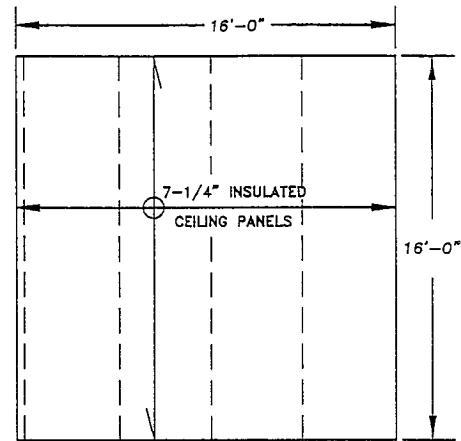


PLAN VIEW - PENTHOUSE FRAMING

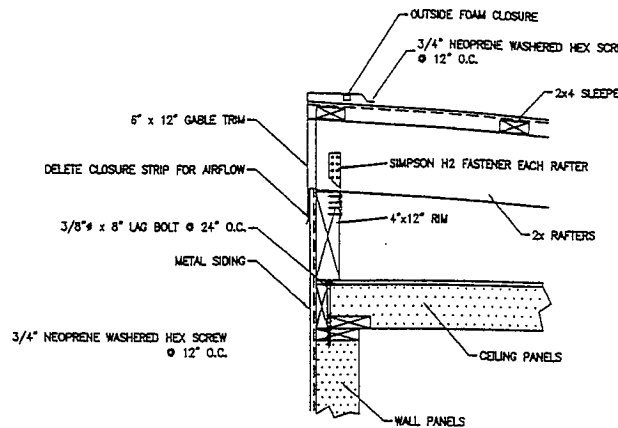


Designed: JLC	Approved: TSS		Client: CITY OF CRAIG BOX 725 CRAIG, AK 99921	Project: FALSE ISLAND DOCK AND ICEHOUSE ADDITION	Sheet Description: LAYOUT / FRAMING SECOND LEVEL PENTHOUSE	Sheet No. S2
Drawn: YHM	Scale: AS NOTED Date: 12/19/01					
Date	No.	Description	By	Checked: JC	Project No. 002406.01	
		REVISION				



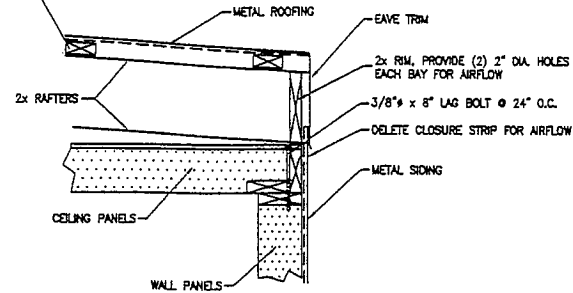


PENTHOUSE CEILING PANEL PLAN



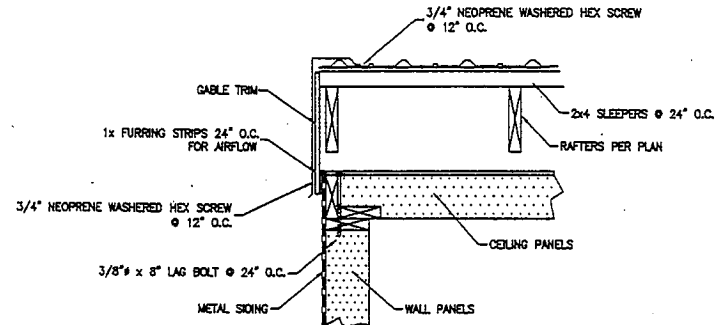
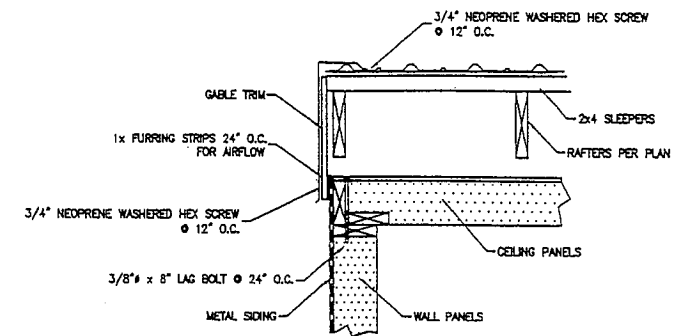
NOTE: SECURE 4"x12" RIM TO WALL COLUMNS WITH SIMPSON MST60 STRAP, REFER TO FOUNDATION PLAN FOR HOLD DOWN/COLUMN LOCATIONS

A SECTION VIEW  
S3

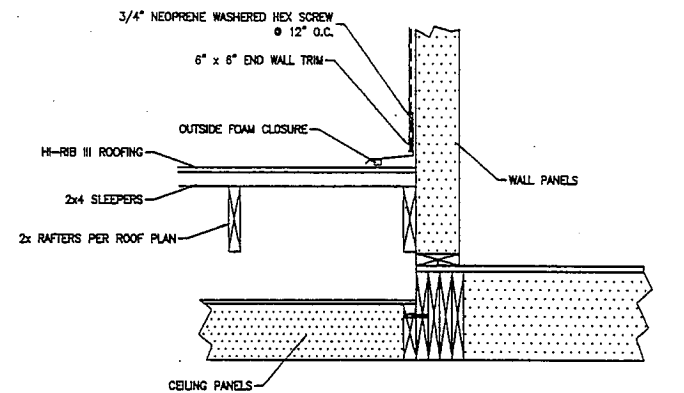


NOTE: SECURE RAFTERS EVERY 32" W/ 20 GA. 1 1/4" x 30" STRAP

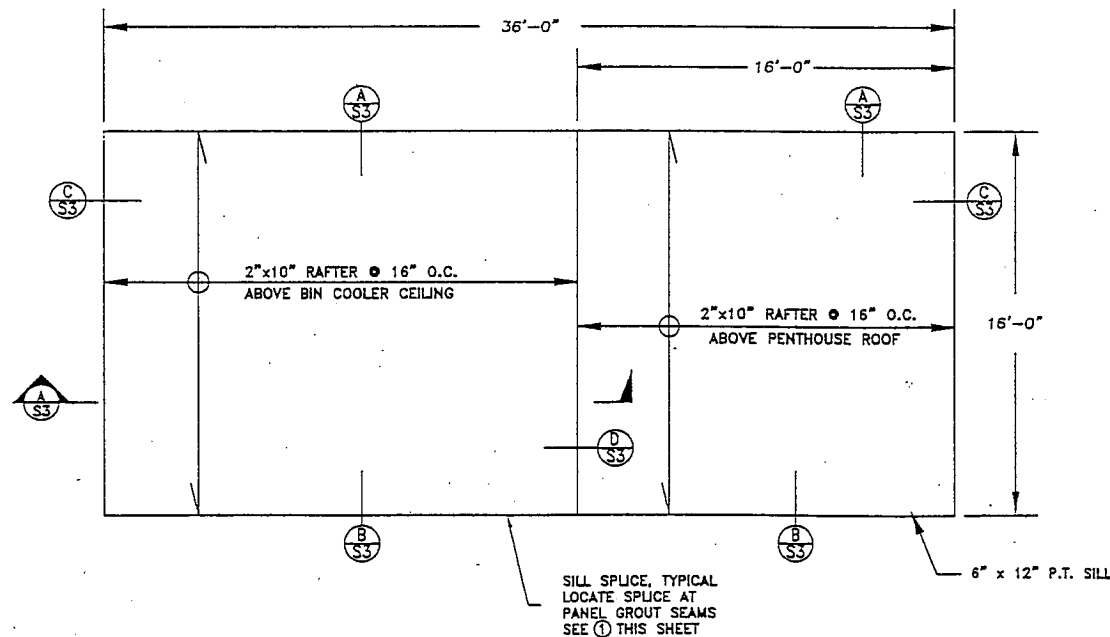
B SECTION VIEW  
S3



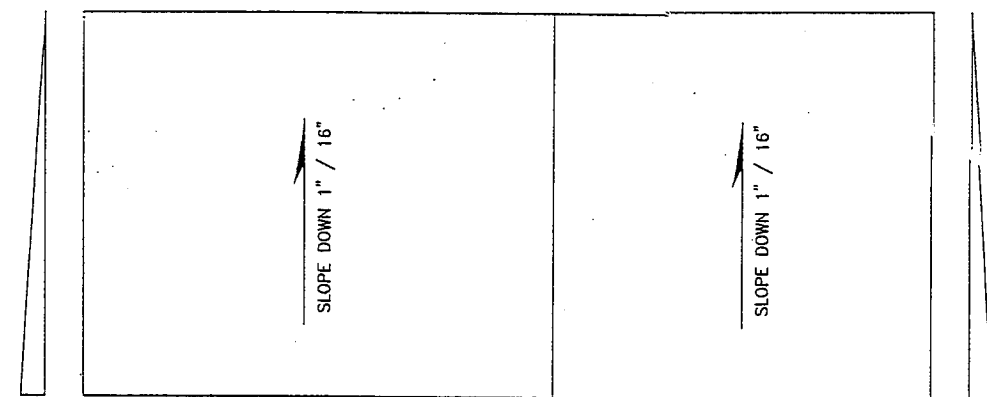
C SECTION VIEW  
S3



D SECTION VIEW  
S3



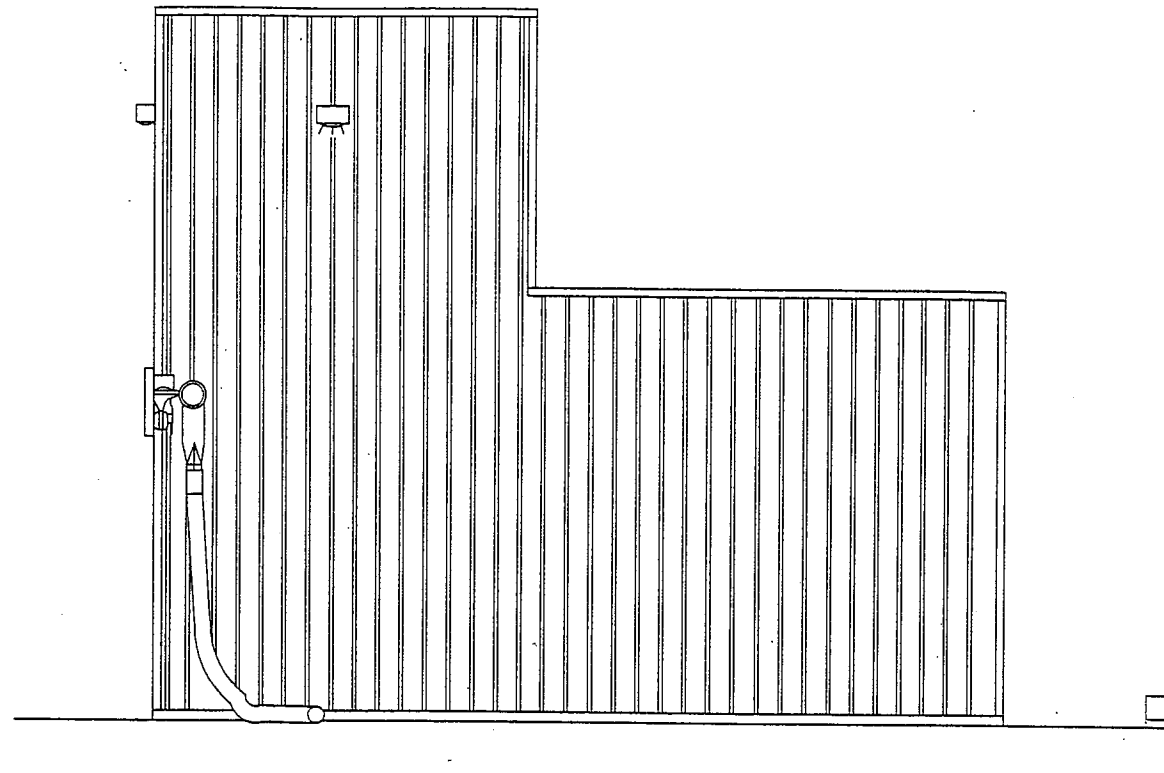
ROOF FRAMING PLAN



ROOF PLAN

Designed: JLC	Approved: TSS		Client: CITY OF CRAIG BOX 725 CRAIG, AK 99921	Project: FALSE ISLAND DOCK AND ICEHOUSE ADDITION	Sheet Description: ROOF FRAMING & LAYOUT	Sheet No. S3
Drawn: VHM	Scale: AS NOTED					
Checked: JC	Project No. 002406.01	R&M ENGINEERING-KETCHIKAN, INC. 355 CARLIANNA LAKE ROAD KETCHIKAN, ALASKA 99901		STATE OF ALASKA 49th TREVOR SANDE CE 9778 REGISTERED PROFESSIONAL ENGINEER		

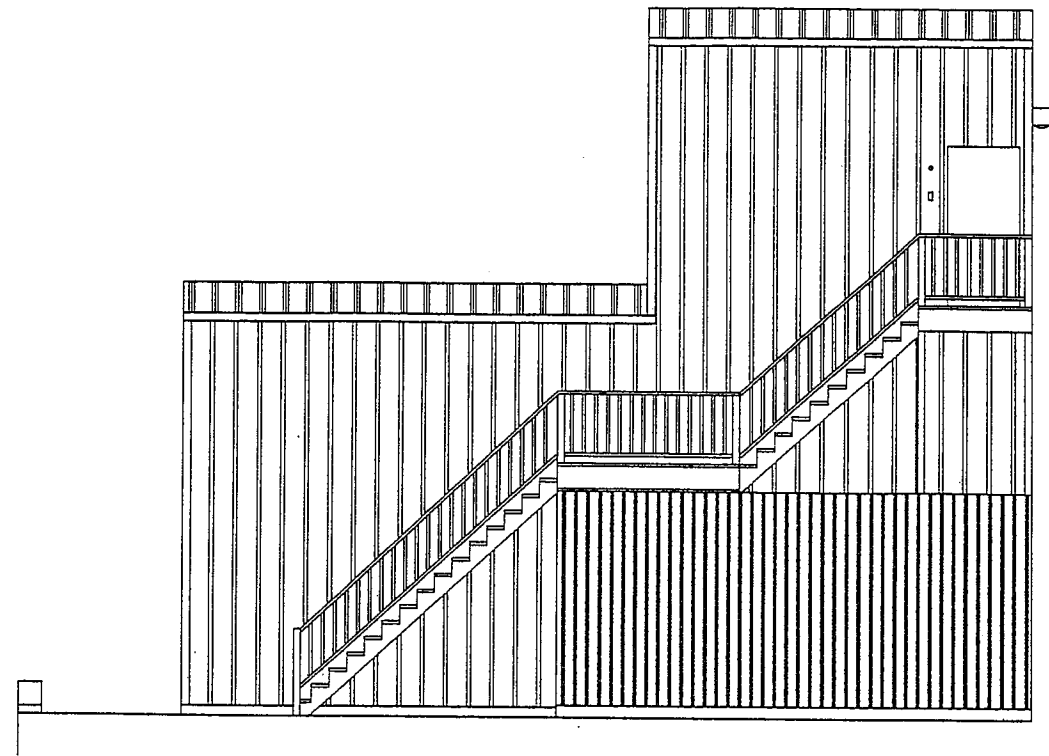
ELEV. 17.0



SOUTH ELEVATION

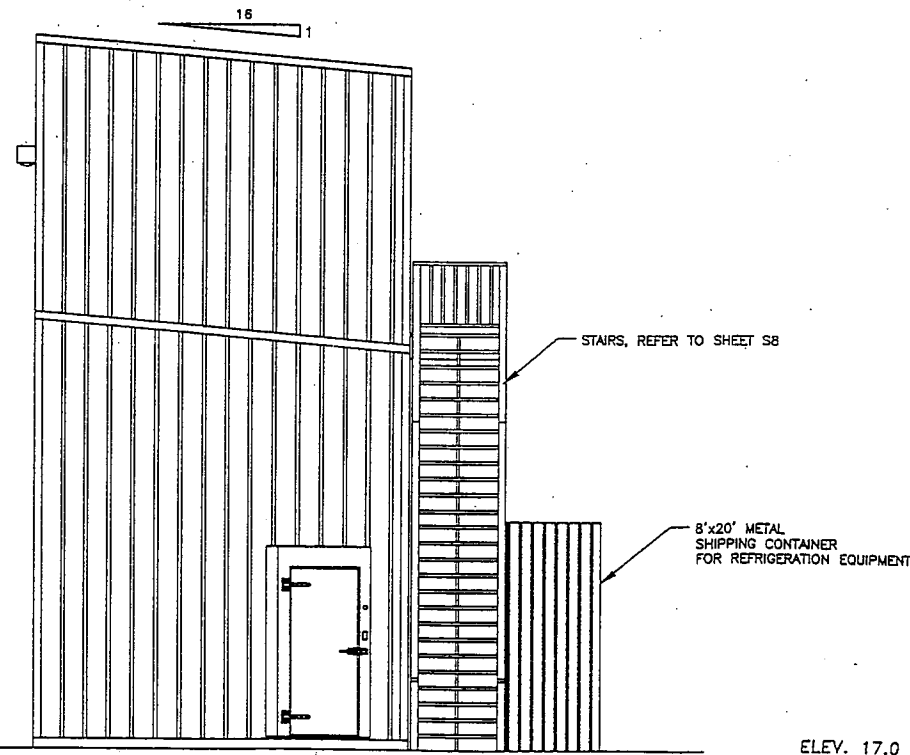
0 2 4 FEET

ELEV. 17.0



NORTH ELEVATION

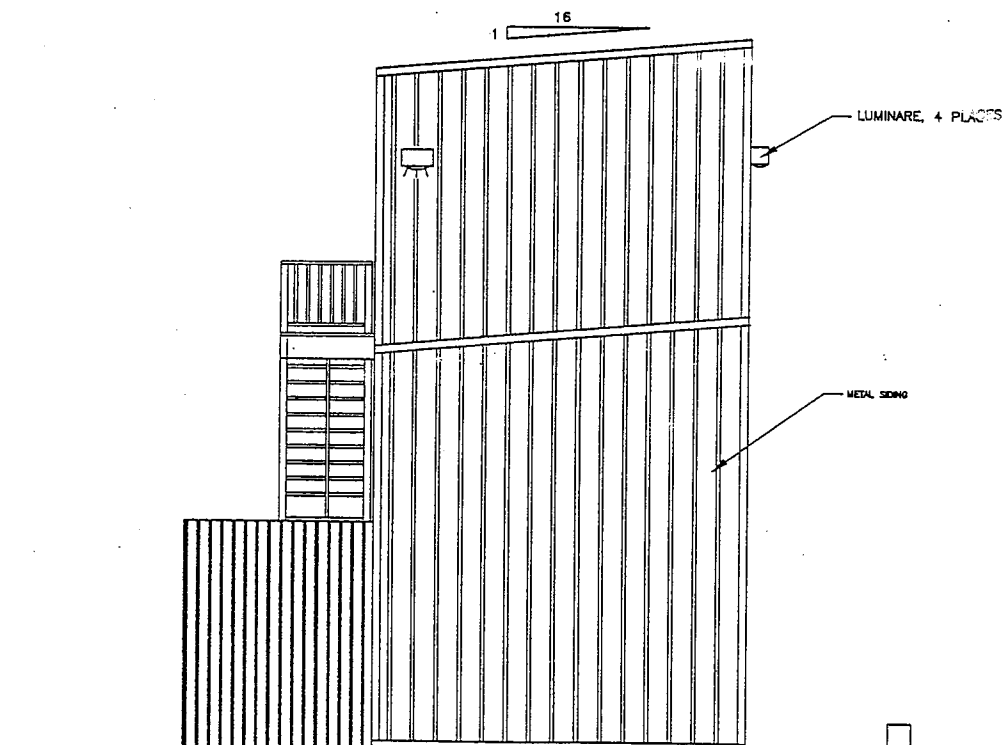
0 2 4 FEET



EAST ELEVATION


0 2 4 FEET

ELEV. 17.0

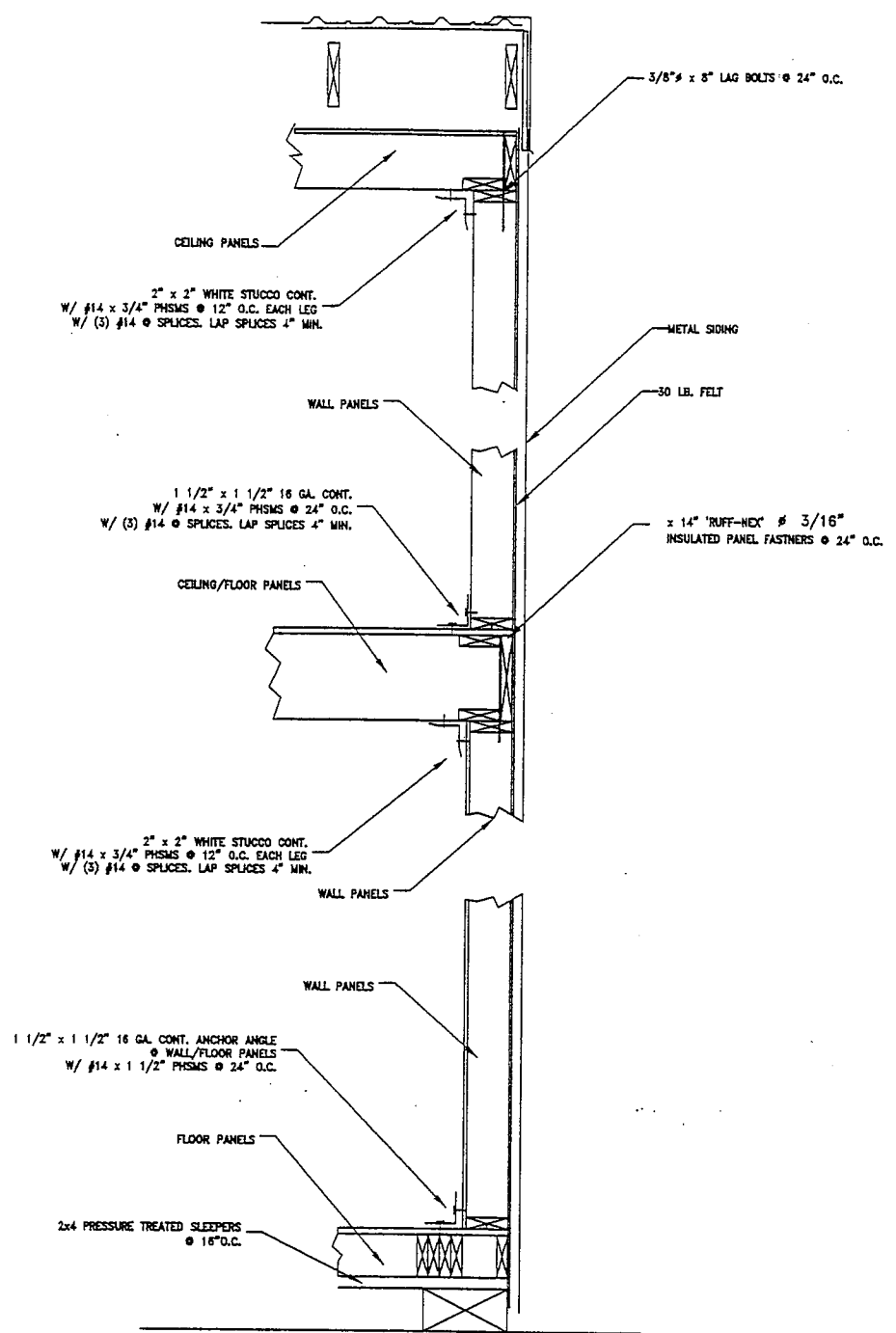


WEST ELEVATION


0 2 4 FEET

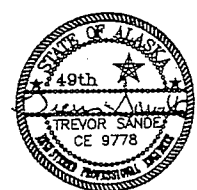
Designed: JLC		Approved: TSS		 R&M ENGINEERING-KETCHIKAN, INC. 355 CARLANNA LAKE ROAD KETCHIKAN, ALASKA 99901	Client: CITY OF CRAIG BOX 725 CRAIG, AK 99921	Project: FALSE ISLAND DOCK AND ICEHOUSE ADDITION	Sheet Description: ELEVATION VIEWS	Sheet No. S4
Date	No.	Description	By					
Checked: JC		Project No. 002406.01						



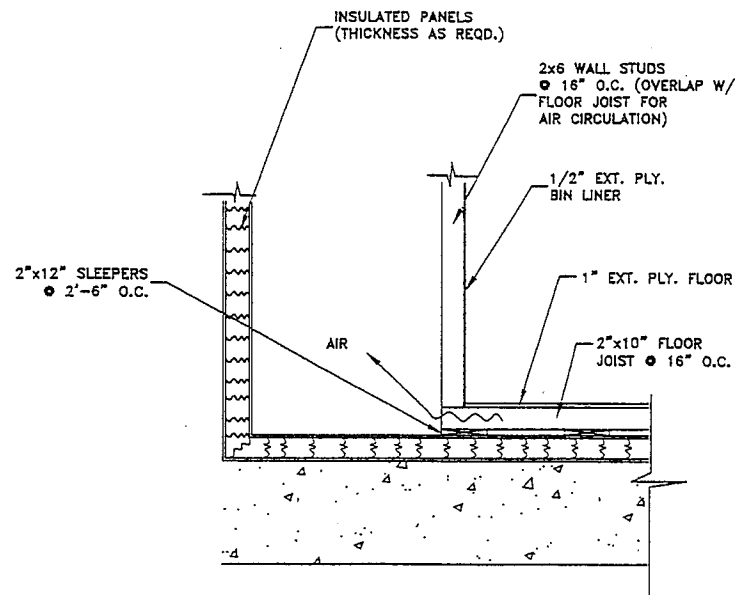


TYPICAL WALL SECTION

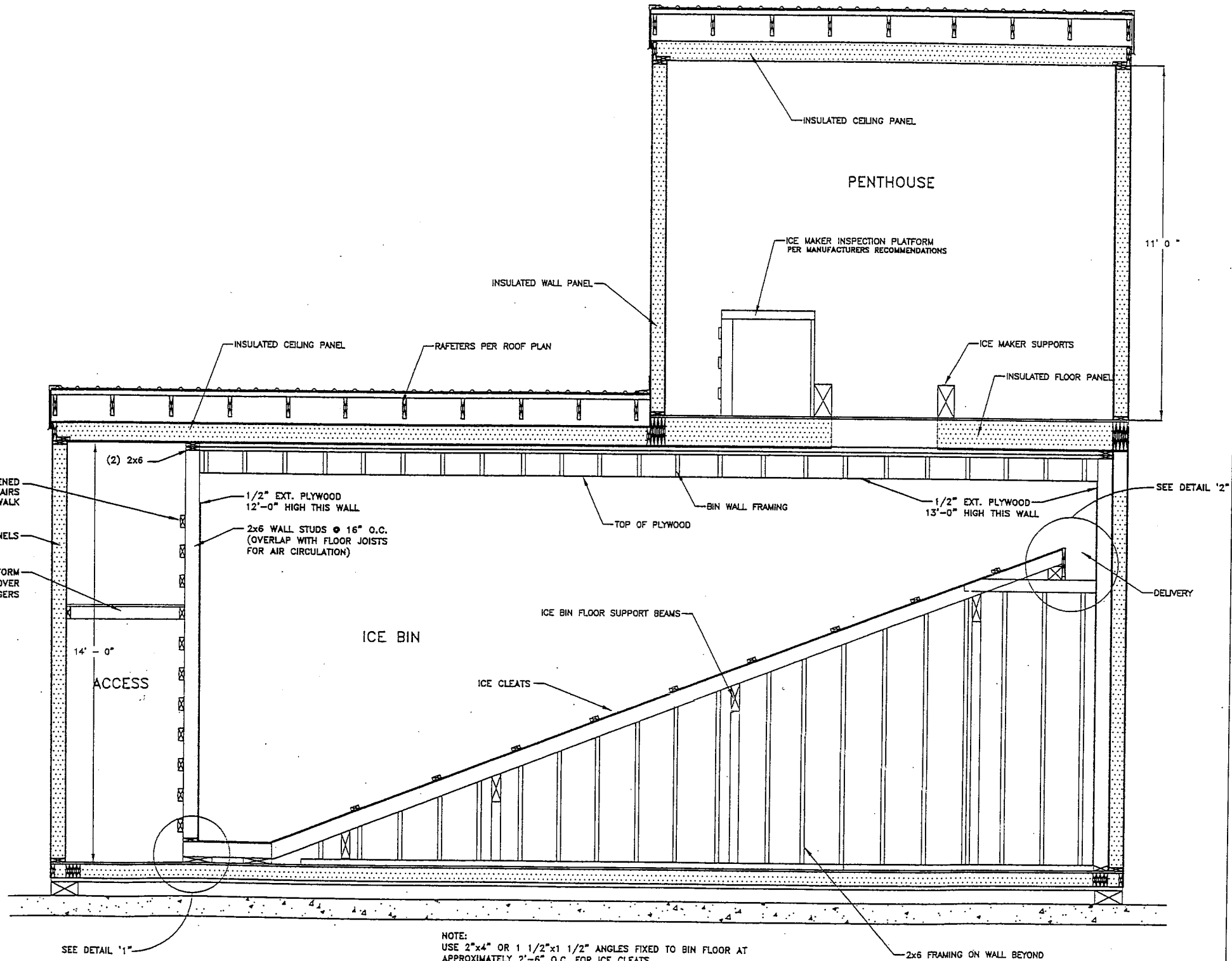
Designed: JLC		Approved: TSS		 R&M ENGINEERING-KETCHIKAN, INC. 355 CARLANNA LAKE ROAD KETCHIKAN, ALASKA 99901	Client: CITY OF CRAIG BOX 725 CRAIG, AK 99921	Project: FALSE ISLAND DOCK AND ICEHOUSE ADDITION	Sheet Description: TYPICAL SECTIONS	Sheet No. S5
Drawn: YHM		Scale: AS NOTED	Date: 12/19/01					
Checked: JC		Project No. 002406.01						
Date	No.	Description	By					
		REVISION						





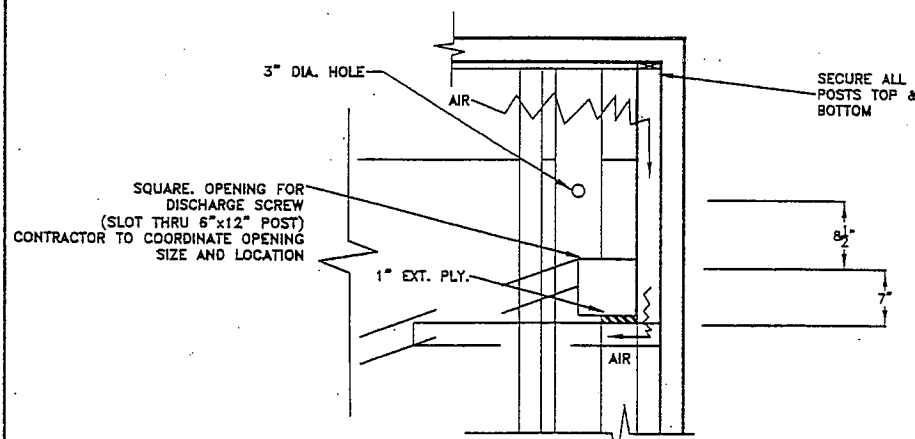


1  
DETAIL  
N.T.S.



NOTE:  
USE 2"x4" OR 1 1/2"x1 1/2" ANGLES FIXED TO BIN FLOOR AT  
APPROXIMATELY 2'-6" O.C. FOR ICE CLEATS.

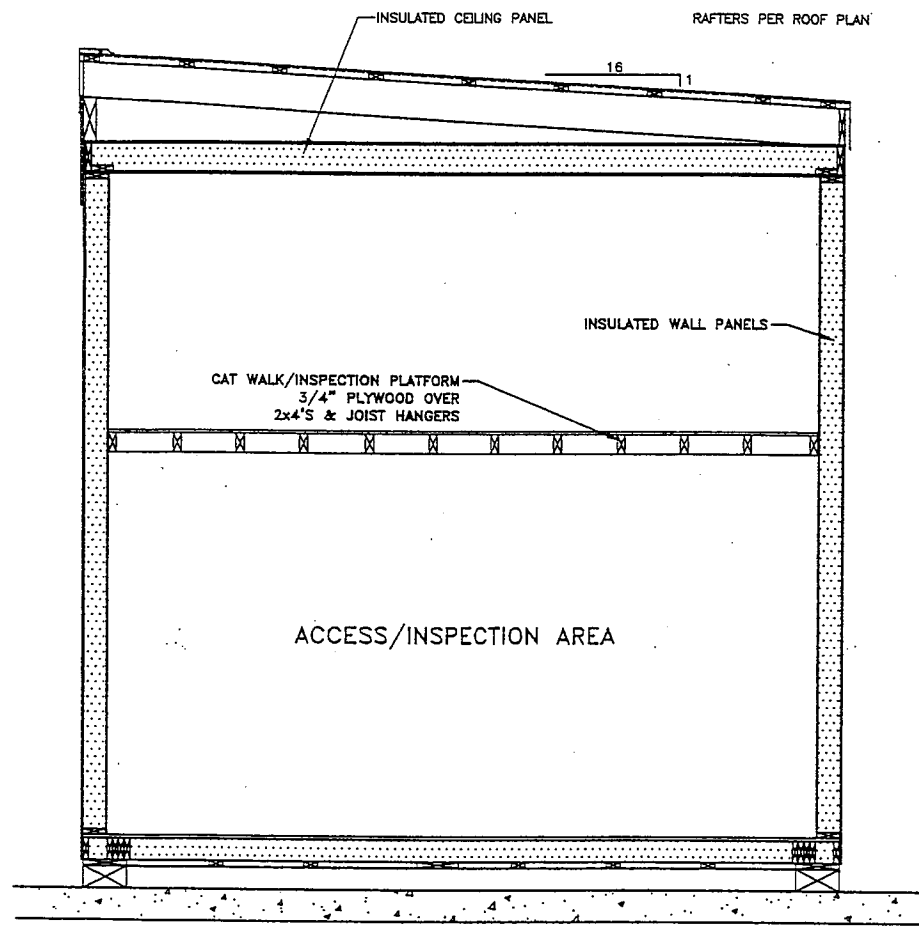
A  
S6  
SECTION VIEW



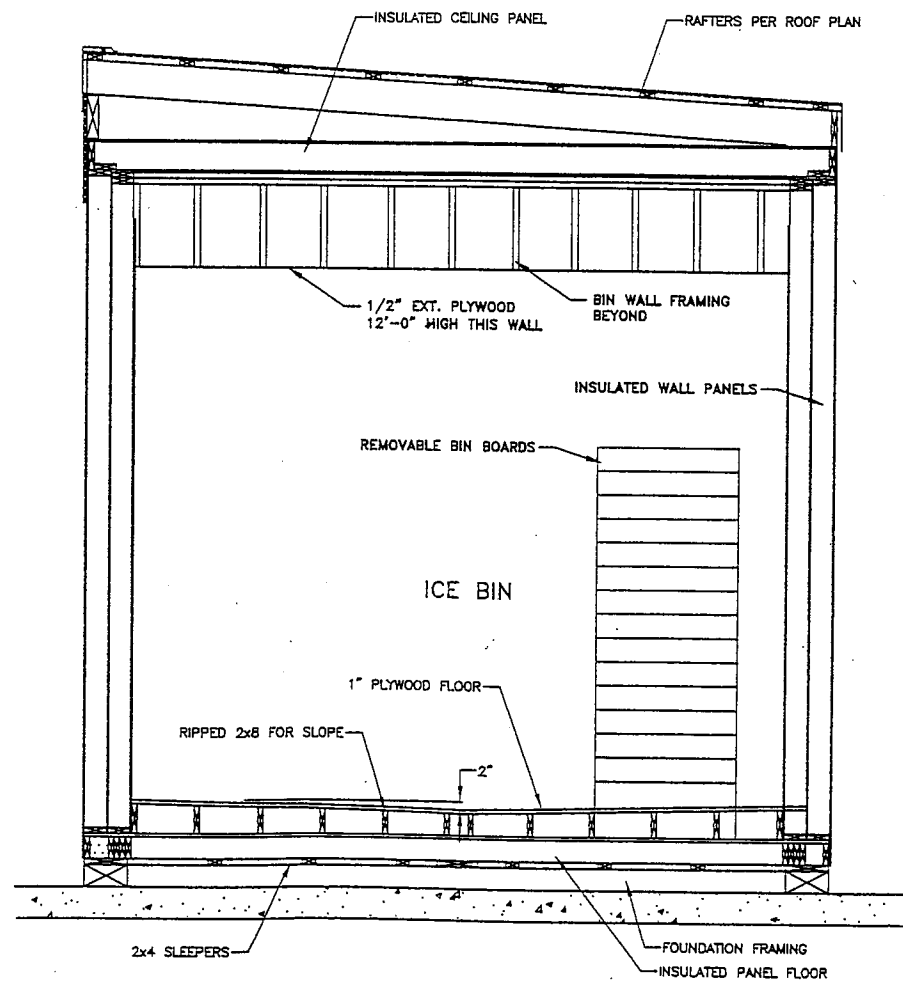
2  
DETAIL  
N.T.S.

Designed: JLC	Approved: TSS	 R&M ENGINEERING-KETCHIKAN, INC. 355 CARLINA LAKE ROAD KETCHIKAN, ALASKA 99901	Client: CITY OF CRAIG BOX 725 CRAIG, AK 99921	Project: FALSE ISLAND DOCK AND ICEHOUSE ADDITION	Sheet Description: SECTION VIEWS	Sheet No. S6
Drawn: VHM	Scale: AS NOTED Date: 12/19/01					
Date	No.	Description	By	Checked: JC	Project No. 002406.01	

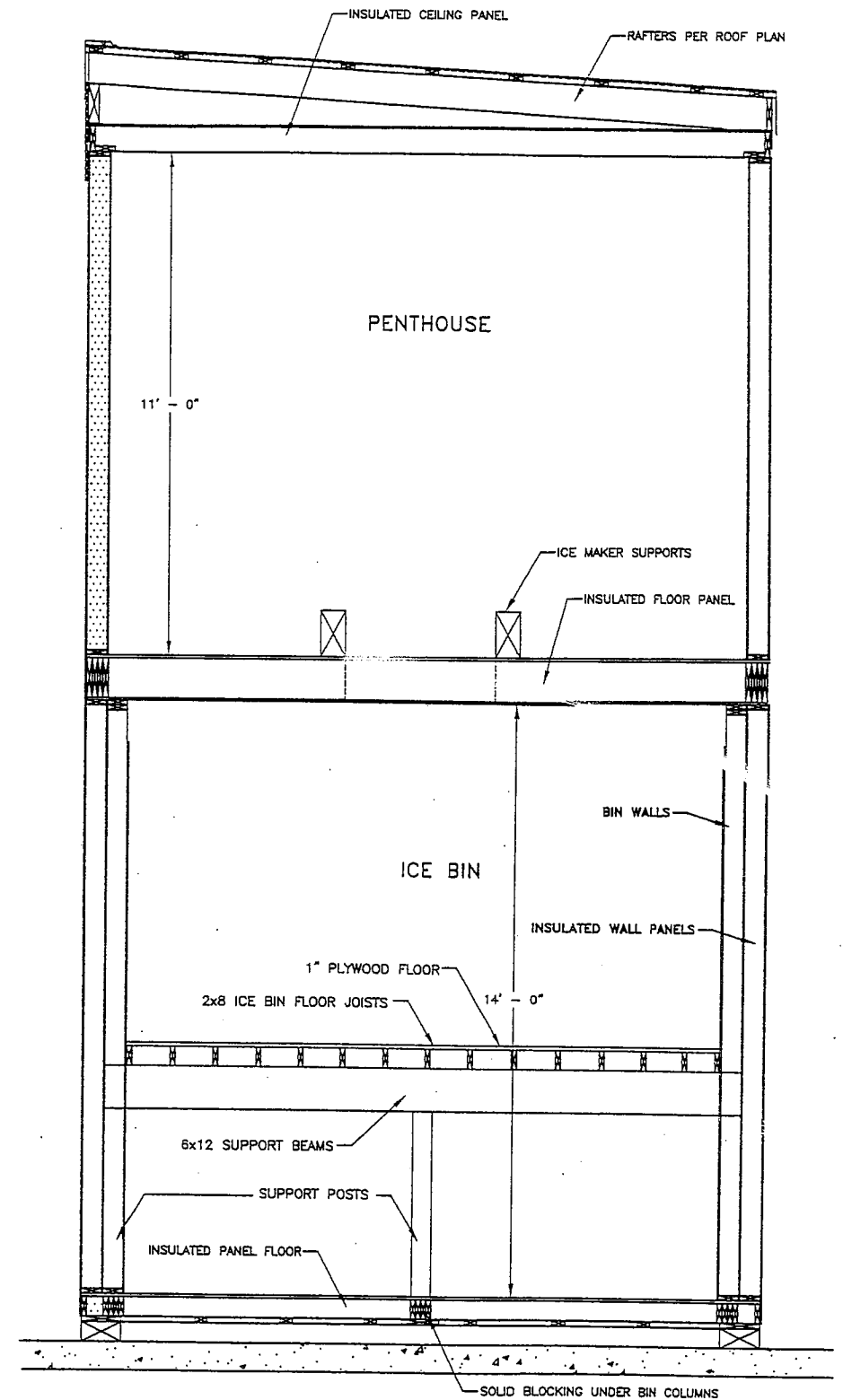




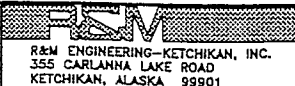
**A** SECTION VIEW  
S7  
0 12' 24'

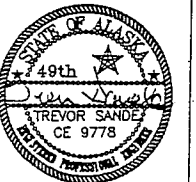


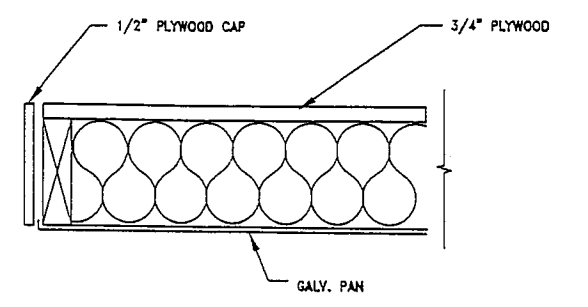
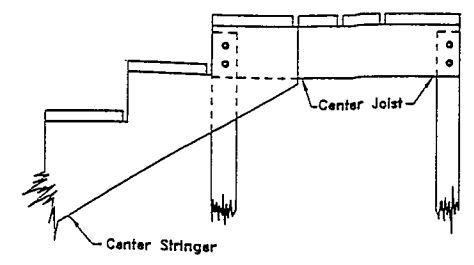
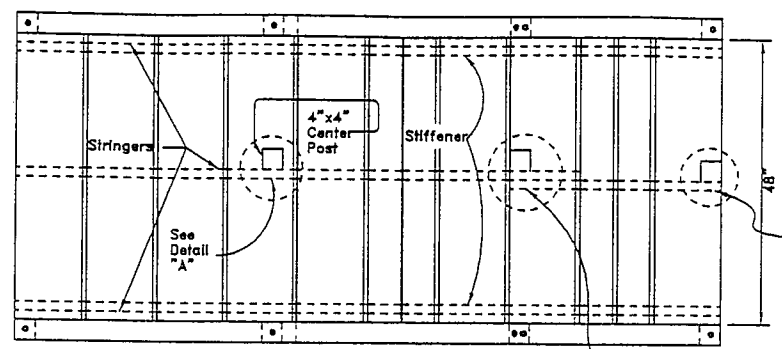
**B** SECTION VIEW  
S7  
0 12' 24'



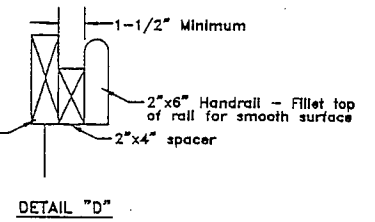
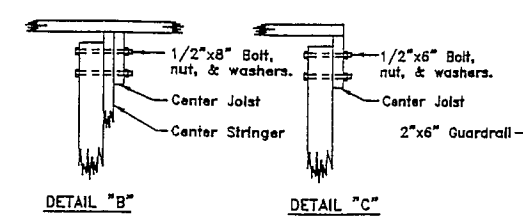
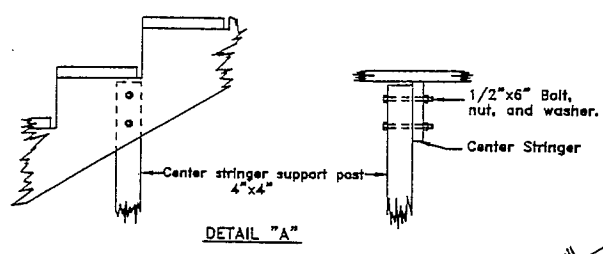
**C** SECTION VIEW  
S7  
0 12' 24'

Designed: JLC		Approved: TSS		 R&M ENGINEERING-KETCHIKAN, INC. 355 CARLANNA LAKE ROAD KETCHIKAN, ALASKA 99901	Client: CITY OF CRAIG BOX 725 CRAIG, AK 99921	Project: FALSE ISLAND DOCK AND ICEHOUSE ADDITION	Sheet Description: SECTION VIEWS	Sheet No. S7
Date	No.	Description	By					
		REVISION		Checked: JC	Scale: AS NOTED	Date: 12/19/01	Project No. 002406.01	



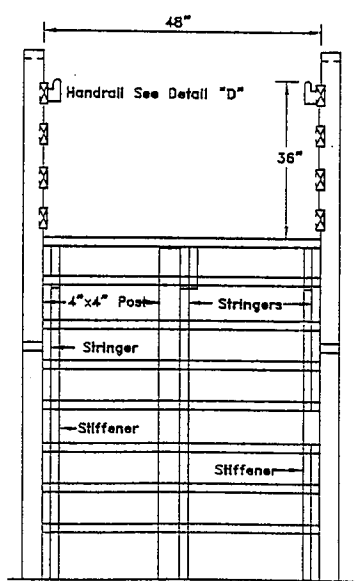
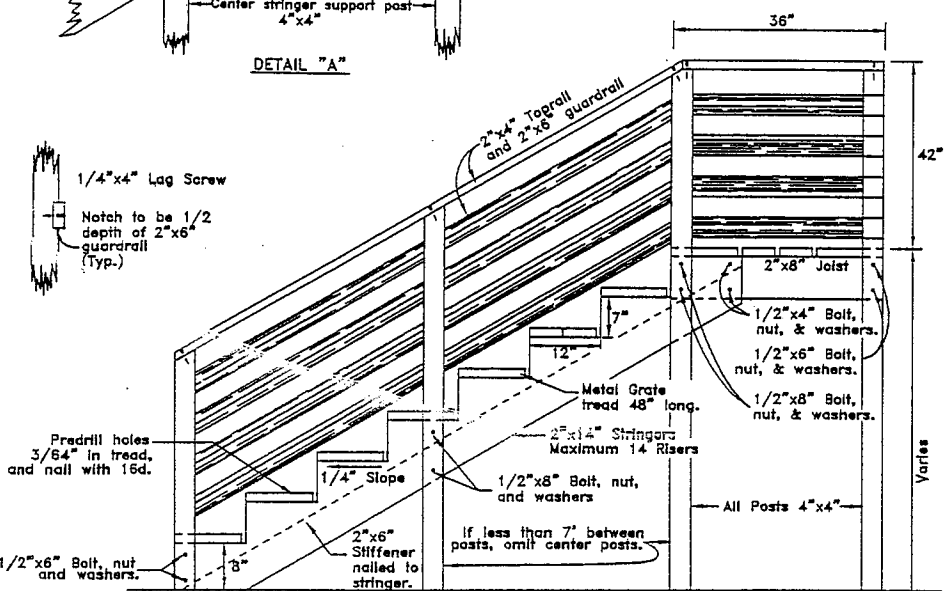


2 FLOOR/CEILING EDGE DETAIL  
S8 NOT TO SCALE



DETAIL "B"      DETAIL "C"

DETAIL "D"



1 WOOD STAIRWAY  
S8 NOT TO SCALE

GENERAL NOTES:

1. Wooden stairs shall be constructed in accordance with the latest National Design Specifications for Stress Grade Lumber and its Fastenings.
2. Treatment: Footings and post in contact with the ground shall use preservative (creosote) oils in coastal areas and oil born (pentachlorophenol) preservatives for inland areas. Water-borne preservatives shall be used above ground in accordance with the latest standards of the American Wood Preservers Association.
3. All steel fasteners shall conform to ASTM A307 grade A.
4. Washers shall be placed under all lag screw heads, boltheads, and nuts.
5. Lag screw heads and boltheads shall be countersunk. Threaded portion of bolt with nut shall be placed on interior sides of stringers.
6. All ferrous metals shall be galvanized in accordance with ASTM A153.
7. Timber and or lumber shall be Douglas Fir, Larch, or as approved by the Engineer.
8. Engineer may use cross braces on support post for local conditions.

Designed: JLC	Approved: TSS
Drawn: VHM	Scale: AS NOTED Date: 12/19/01
Checked: JC	Project No. 002406.01

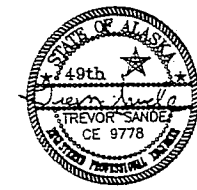
**R&M ENGINEERING-KETCHIKAN, INC.**  
355 CARLIANNA LAKE ROAD  
KETCHIKAN, ALASKA 99901

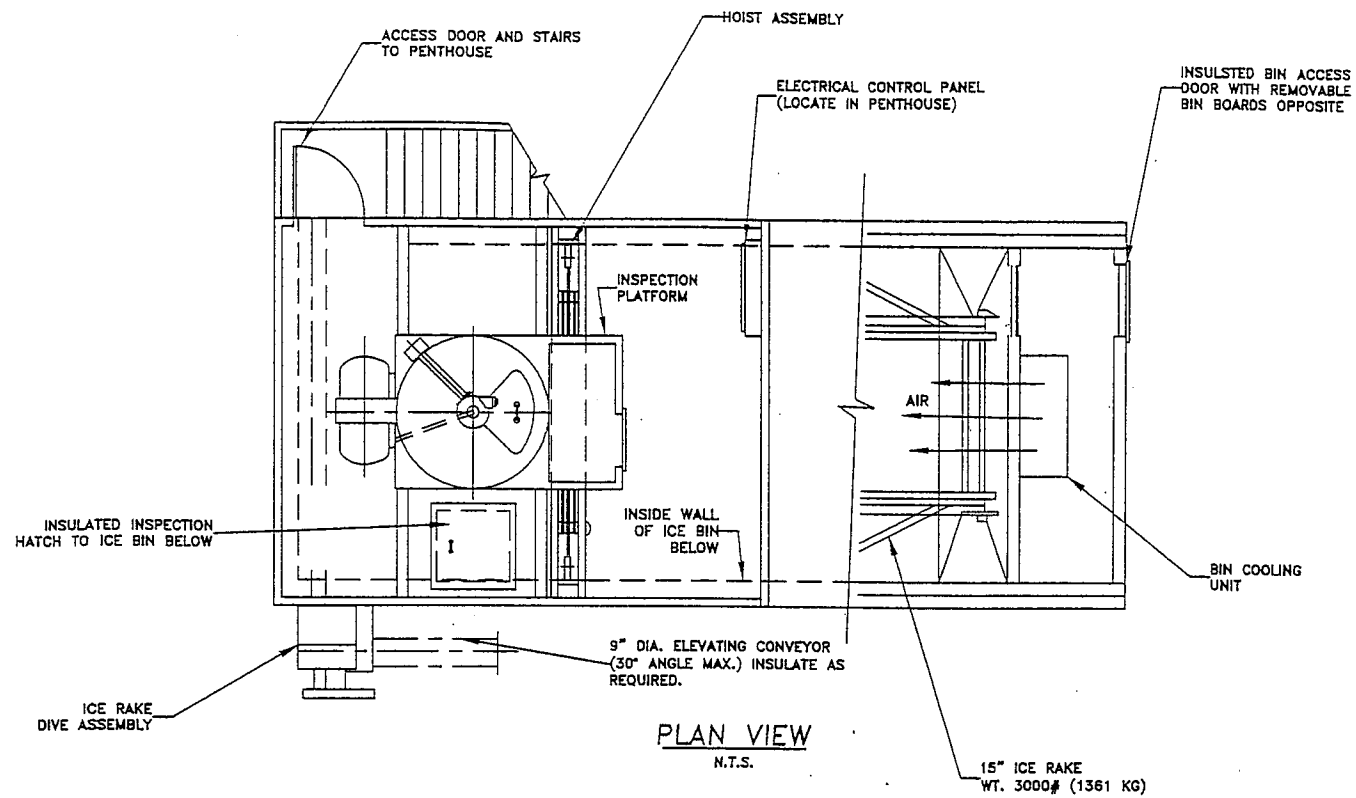
Client: CITY OF CRAIG  
BOX 725  
CRAIG, AK 99921

Project: FALSE ISLAND  
DOCK AND ICEHOUSE ADDITION

Sheet Description: DETAILS

Sheet No. S8

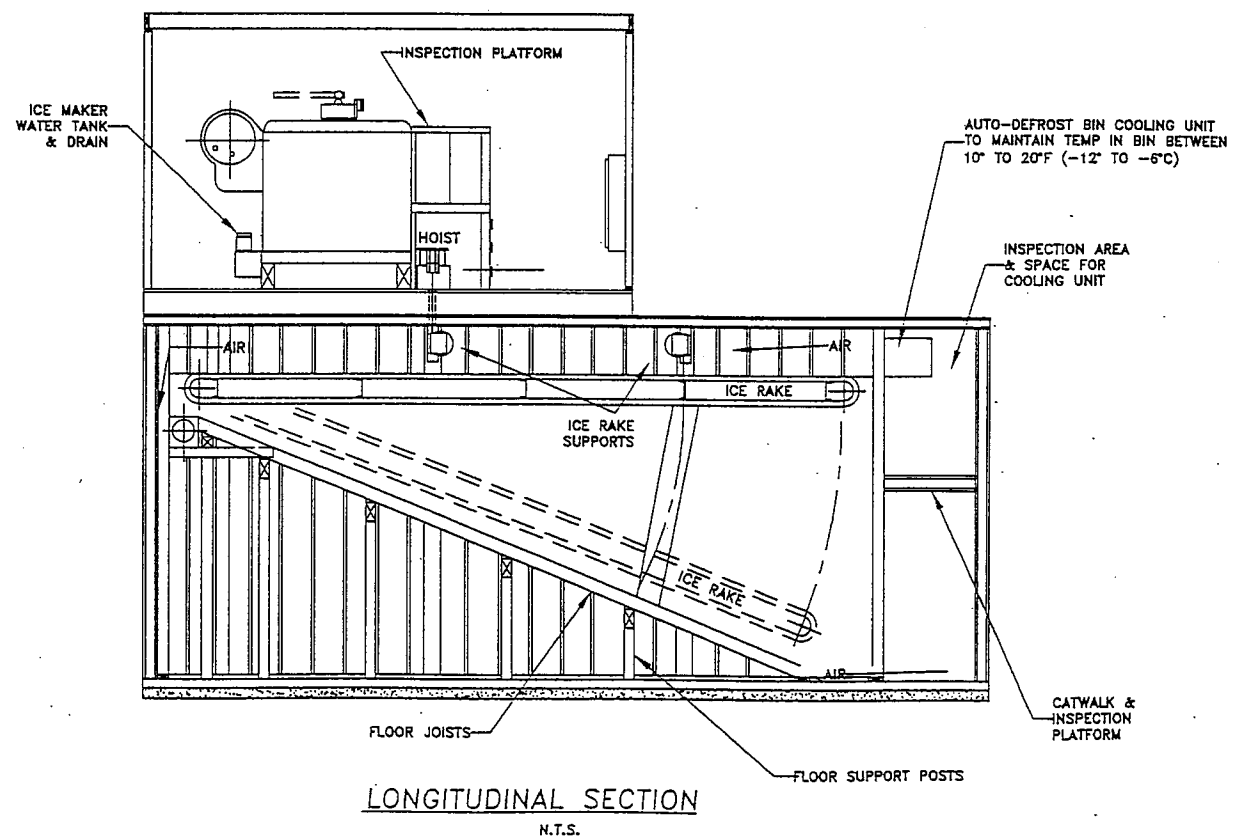




PLAN VIEW

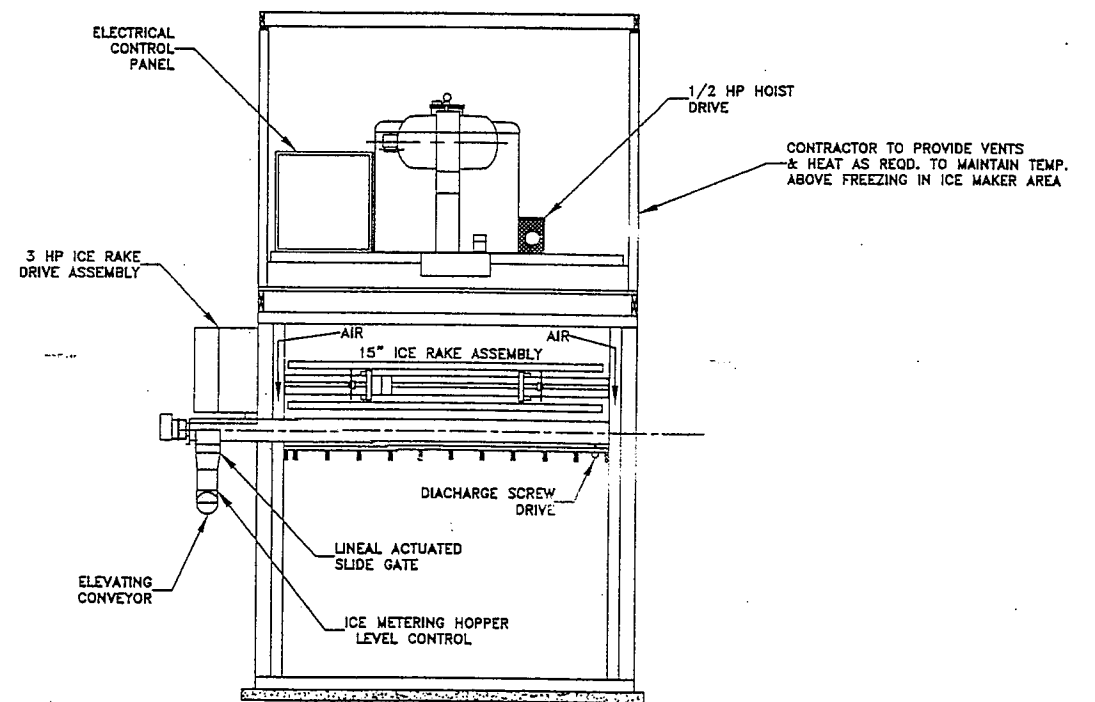
N.T.S.

15" ICE RAKE  
WT. 3000# (1361 KG)



LONGITUDINAL SECTION

N.T.S.



END SECTION

N.T.S.

- NOTES:
1. ICE BIN STORAGE CAPACITY IS 35 U.S. TONS • 10'-0" ICE DEPTH.
  2. DELIVERY RATE: 30 TONS/HOUR
  3. FLOOR LOAD IS 350 LBS/SQ. FT. • 10'-0" ICE DEPTH.

Designed: JLC	Approved: TSS
Drawn: VHM	Scale: AS NOTED Date: 12/19/01
Checked: JC	Project No. 002406.01

**REM**  
REM ENGINEERING-KETCHIKAN, INC.  
355 CARLIANNA LAKE ROAD  
KETCHIKAN, ALASKA 99901

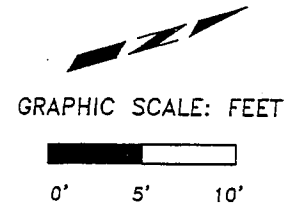
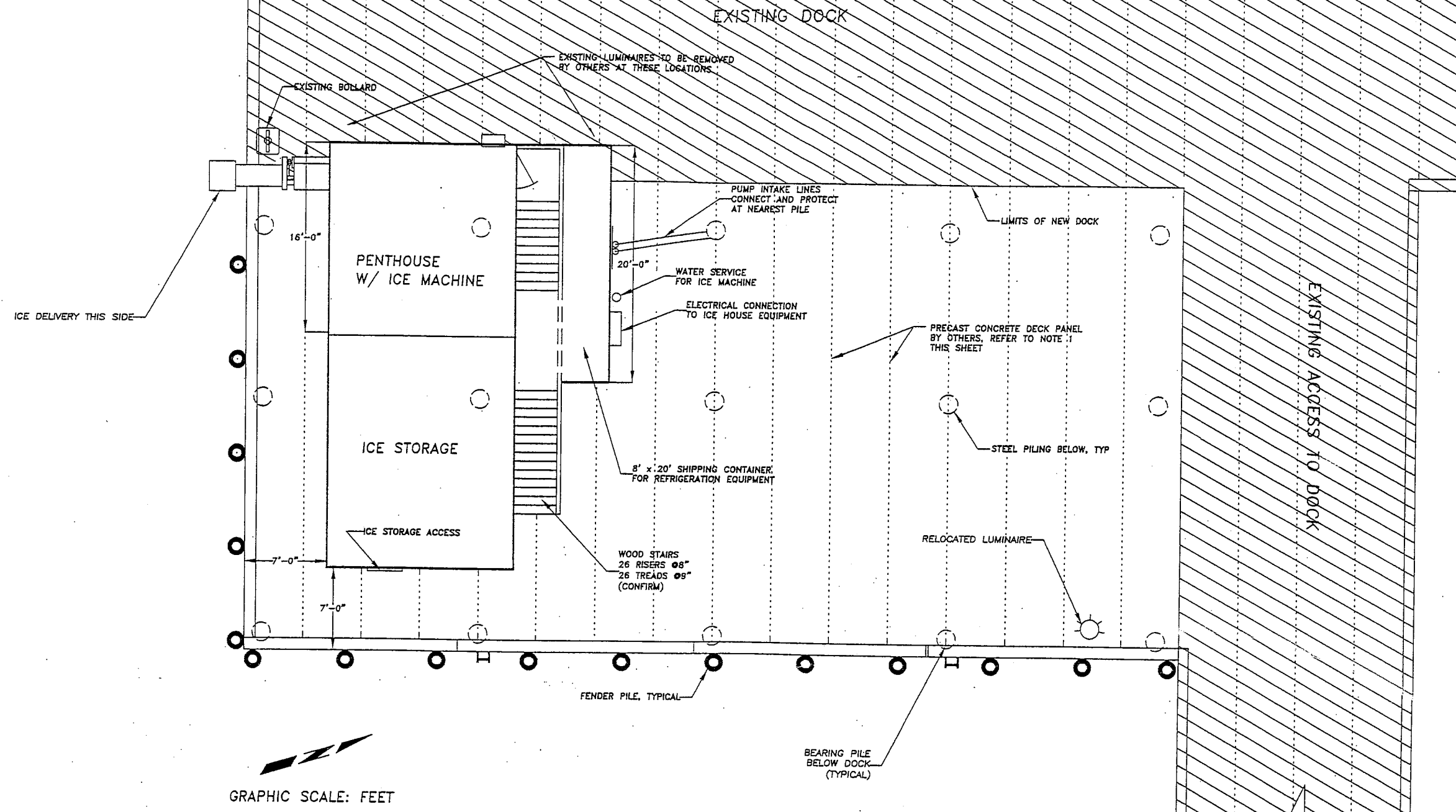
Client: CITY OF CRAIG  
BOX 725  
CRAIG, AK 99921

Project: FALSE ISLAND  
DOCK AND ICEHOUSE ADDITION

Sheet Description: EQUIPMENT LAYOUT

Sheet No. M1





NOTES:

- 1) THE CONCRETE DOCK SHOWN IS CURRENTLY UNDER CONSTRUCTION BY THE CITY OF CRAIG. THE WORK IS SCHEDULED TO BE COMPLETED BY MARCH 1, 2002.
- 2) THE CITY OF CRAIG WILL INSTALL THE WATER SERVICE PIPE UNDER THE CONCRETE DOCK TO THE LOCATION SHOWN ON THIS SHEET. THE CONTRACTOR WILL BE RESPONSIBLE FOR EXTENDING THE PIPE UNDER THE DOCK, CORING THE DOCK AND EXTENDING THE PIPE INTO THE BUILDING.

Designed: JLC		Approved: TSS			Client: CITY OF CRAIG BOX 725 CRAIG, AK 99921	Project: FALSE ISLAND DOCK AND ICEHOUSE ADDITION	Sheet Description: LAYOUT PLAN VIEW	Sheet No. C1
Drawn: VHM		Scale: AS NOTED Date: 12/19/01						
Checked: JC		Project No. 002406.01						
Date	No.	Description	By	R&M ENGINEERING-KETCHIKAN, INC. 355 CARLAINNA LAKE ROAD KETCHIKAN, ALASKA 99901				

