

The Following Items Must Be Considered By The Purchaser Prior To Approving This Layout

- All material (unless otherwise noted) is in accordance with ASME A17.1
The Purchaser Must Provide The Following:
 In accordance with ASME A17.1 Code Requirements or Local Code Requirements whichever are more stringent.
- HOISTWAY AND PIT**
- A clear hoistway of the dimensions shown, plumb to within 1" total. Hoistway shown is minimum. Any out-of-plumb condition must not encroach on hoistway size envelope from top to bottom.
 - Venting of hoistway as required by code.
 - A dry pit, reinforced to sustain vertical loads as shown.
 - A 30" square hole is to be left in the pit floor, if required for jack installation, and is to be grouted in by others after jack unit is installed.
 - A pit ladder for each elevator of non-combustible material, constructed and installed in accordance with code, and extending from pit floor to 42" above sill of lowest hoistway door.
 - Adequate supports for guide rail brackets, to support horizontal loads as shown. Support locations must not exceed spacing as required by code, and as shown. When maximum spacing is exceeded, rail reinforcement, or additional supports must be provided at purchasers expense.
 - Guide rail support locations must be steel, brick, concrete, or filled concrete block. Inserts, if used, are supplied and installed by others, in locations shown, as walls are erected. If rail brackets are attached to steel beams, fireproofing is to be applied AFTER rail brackets are installed.
 - A sump pump or drain must be installed in the hoistway & pit. Per ANSI/ASME A17.1, Rule 106.1b, 3-4.
 - Projections or recesses in the hoistway of 2" or more, on sides not used for loading or unloading, shall be beveled at an angle not less than 75° from the horizontal.
 - A hoist beam, hook, or eyebolt shall be furnished at the top of hoistway, located on centerline of car and guides — designed for load capacity of 3400# minimum.
 - Entrance walls accepting passenger type entrances are to be erected (or rough opening as shown filled in) after door frames and sills are installed.
 - A suitable sill support and recess as shown, full width of the hoistway, grouted by others after door sills are installed.
 - Door frames and sills for freight type elevator doors, set square with hoistway and plumb above each other. Door frames to be of sufficient strength to carry loads imposed, and side jambs shall extend to beam above with 2" min. return in hoistway on each side (see door drawings).
 - Required sleeves in hoistway wall, or any trenching and filling, for oil line and wiring duct for each elevator, as shown.
 - Any cutting and patching of building construction required to install signal fixtures, or other elevator apparatus, and any repairs, grouting, patching, or pointing made necessary by same.
 - Barricades as may be required during construction.
- MACHINE ROOM**
- A machine room properly lighted and ventilated per code requirements with temperature maintained between 65° - 95°. Door of size to permit access for hydraulic machine, to be self closing and locking, but openable from inside without key.
- ELECTRICAL**
- All electrical in accordance with ANSI and NEC.
- A fused disconnect switch for each elevator, of ample capacity, with wiring to the elevator motor starter control. Disconnecting means shall disconnect the normal power supply as well as emergency supply, when provided.
 - Light and switch in elevator machine room, with switch located adjacent to access door. Convenience outlet in machine room.
 - Light, switch and convenience outlet in elevator pit, light switch accessible from lower landing opening. Install light to clear elevator car.
 - Suitable 110V service in the hoistway, midway of travel (see layout) or connected to terminals in elevator controller for car light service (elevator contractors option).
 - Heat, and product of combustion sensors located in each elevator lobby with necessary wiring to elevator control panel, when fire service is specified.
 - If sprinklers are present in the machine room or hoistway, a means shall be provided to automatically disconnect the main line power supply prior to the application of water.

- 3y Purchaser (continued):
- Telephone instrument in elevator car, and wiring from building source to elevator control panel.
 - Furnishing of any special intercom, paging, or television systems, including wiring from building source to elevator control panel.
 - If duplex installation, provide additional 110V power source for hall calls and computer.
 - If elevator is equipped with a battery emergency lowering unit, an auxiliary contact is required on main power disconnect in elevator machine room. These contacts (supplied by others) shall be U.L. approved and located in disconnect.
- GENERAL**
- Necessary power for installing, erecting, and testing, without charge.
 - Any features or equipment required, but not specifically specified as being furnished by elevator contractor.
 - A safe and dry space to store elevator equipment and tools before and during construction.

TECHNICAL DATA

CAR NO.	-
POWER SUPPLY	208V-3PH-60HZ ← CONFIRM
POWER UNIT	SUBMERSIBLE
PUMP	210-43
MOTOR H.P.	25 HP
FL./LR AMPS	82FLA / 411LRA
WORKING PRESSURE	301 PSI
PLUNGER O.D.	4.980"
PLUNGER WALL	.365"
PLUNGER LENGTH (3-PC.)	42'-11 3/4"
CYLINDER O.D.	8.625"
CYLINDER WALL	.322"
CYLINDER LENGTH (3-PC.)	43'-4 1/4" -
PLUNGER-CYL. CLEARANCE	1/2"
CYL. COUPLING O.D.	9.625"
CAR WEIGHT	2523#
GROSS LOAD	5331#
STILE SIZE	MC6"x12#/ft
TYPE OF START	Y-DELTA
CONTROLLER (V.C.)	MICROPROCESSOR

HORIZONTAL GUIDE RAIL REACTIONS		
	Rx	Ry
NORMAL (RUNNING)	136#	61#
LOADING (FREIGHT)	N/A	N/A
SEISMIC (ZONE 2)	709#	354#

@ EACH JACK UNIT	7550#
@ EACH BUFFER (2 loc.)	6471# eg.

APPROVED BY _____ DATE _____

THE PURCHASER OF THE INSTALLED ELEVATOR EQUIPMENT MUST COORDINATE AND PROVIDE THE BUILDING DIMENSIONS/CHARACTERISTICS SHOWN ON THESE DRAWINGS.
 SPACE FOR APPROVAL

DATE	BY	CHKD	DESCRIPTION
5-17-05	ewd		ORIGINAL

SPECIFICATIONS and DATA

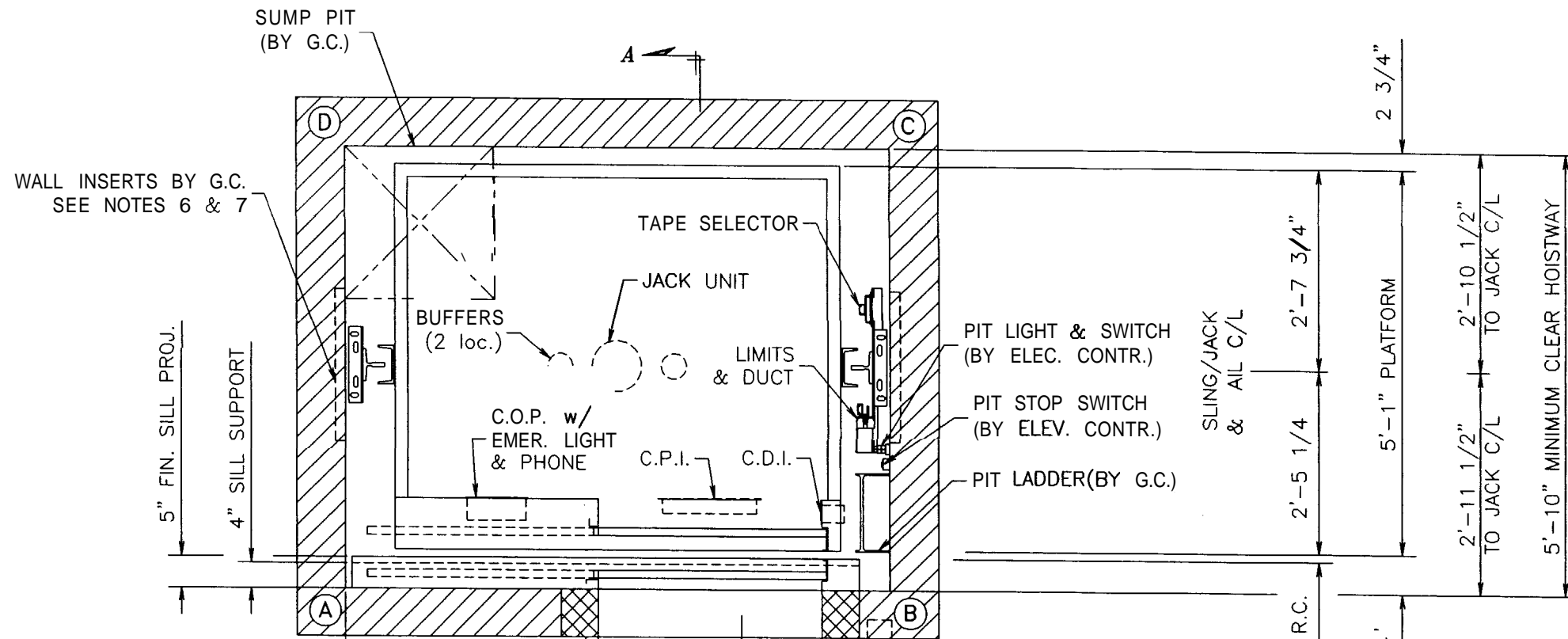
CAR-NO.	-
CLASSIFICATION	PASSENGER
TYPE	STD. IN-GROUND
CAPACITY (LOADING)	2000#
CAR SPEED @ FULL LOAD	108 UP / 120 DOWN
TRAVEL (FUTURE)	25'-8" (15'-0") ← CONFIRM
NO. LANDINGS	3 (4)
NO. OF OPENINGS	3 (4)
FRONT OPENINGS @	B-LL-G
FUTURE OPENINGS @	2nd
DOOR M.P.E	SIDE-SLIDE
DOOR SIZE	3'-0"W x 7'-0"H
PLATFORM SIZE	6'-0"W x 5'-1"D
OPERATOR EQUIPMENT	GAL MODL
DOOR PROTECTION	PANA-40 PLUS
GUIDE RAILS	15#/ft
GUIDE SHOES	SWIVEL/NYLON
OPERATION	SIMPLEX-SEL./COL.
FIRE SERVICE	PHASE I & II (ME)
LOBBY/ALT. FLOOR	"G" / "LL" ← CONFIRM
SIGNALS	CPI & GONG/CDI & GONG/IND. SERV./NUDGING/T&B ACCESS/ FUTURE FLOOR @ 2nd/CAR & HALL LOCKOUTS Q EACH

**Pine State Elevator
Portland, Maine**

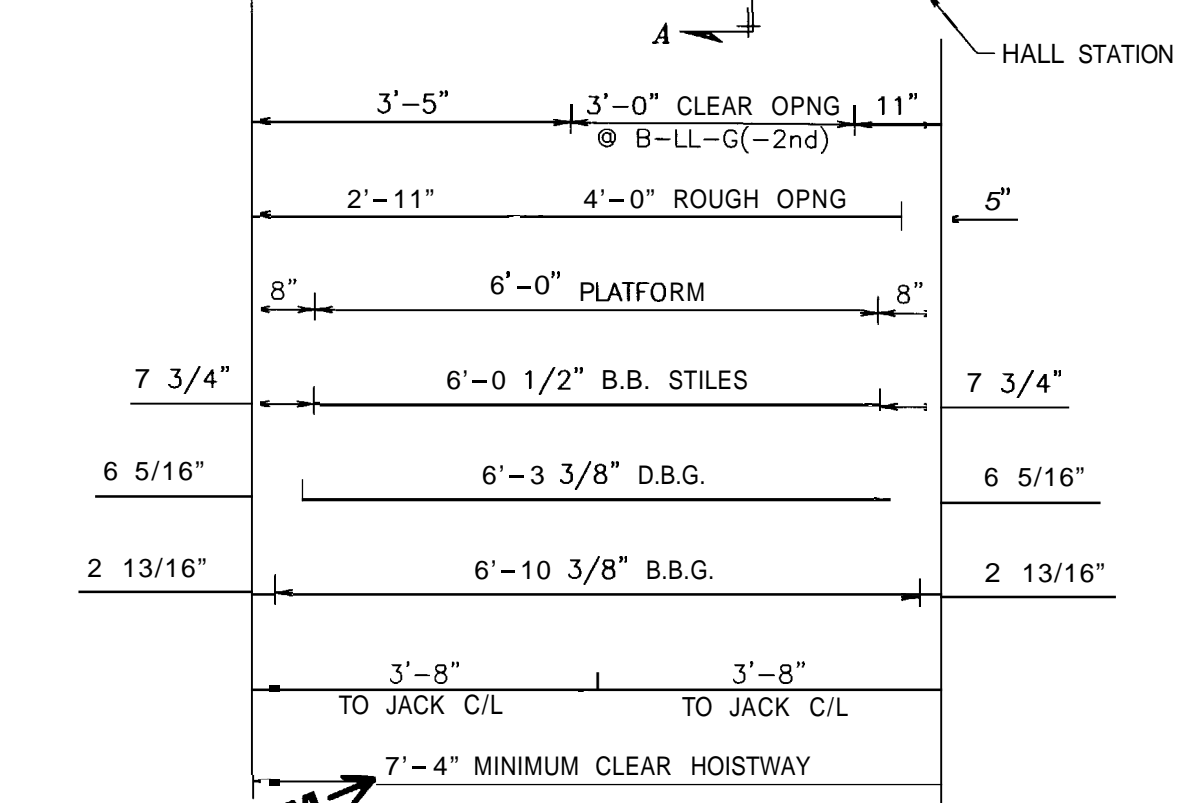


**ROOT CELLAR
PORTLAND, ME**

ARCHITECT	
GENERAL CONTRACTOR	
CONTRACT No.	11064
SHEET No.	1 OF 4



CONFIRM



CONFIRM

Plan View @ "B"
 SCALE : NONE
 (DEPICTING FEATURES AT VARIOUS LEVELS)

PIPE RUPTURE VALVE IN PIT

IF THE JOB SITE IS IN A SEISMIC RISK ZONE 2 OR GREATER A PIPE RUPTURE VALVE IS REQUIRED AT THE JACK UNIT IN ACCORDANCE WITH ASME/ANSI A17.1.

A SUMP OR DRAIN IS REQUIRED IN THE PIT WITH PROPER DISCHARGE AS PER ASME/ANSI A17.1.

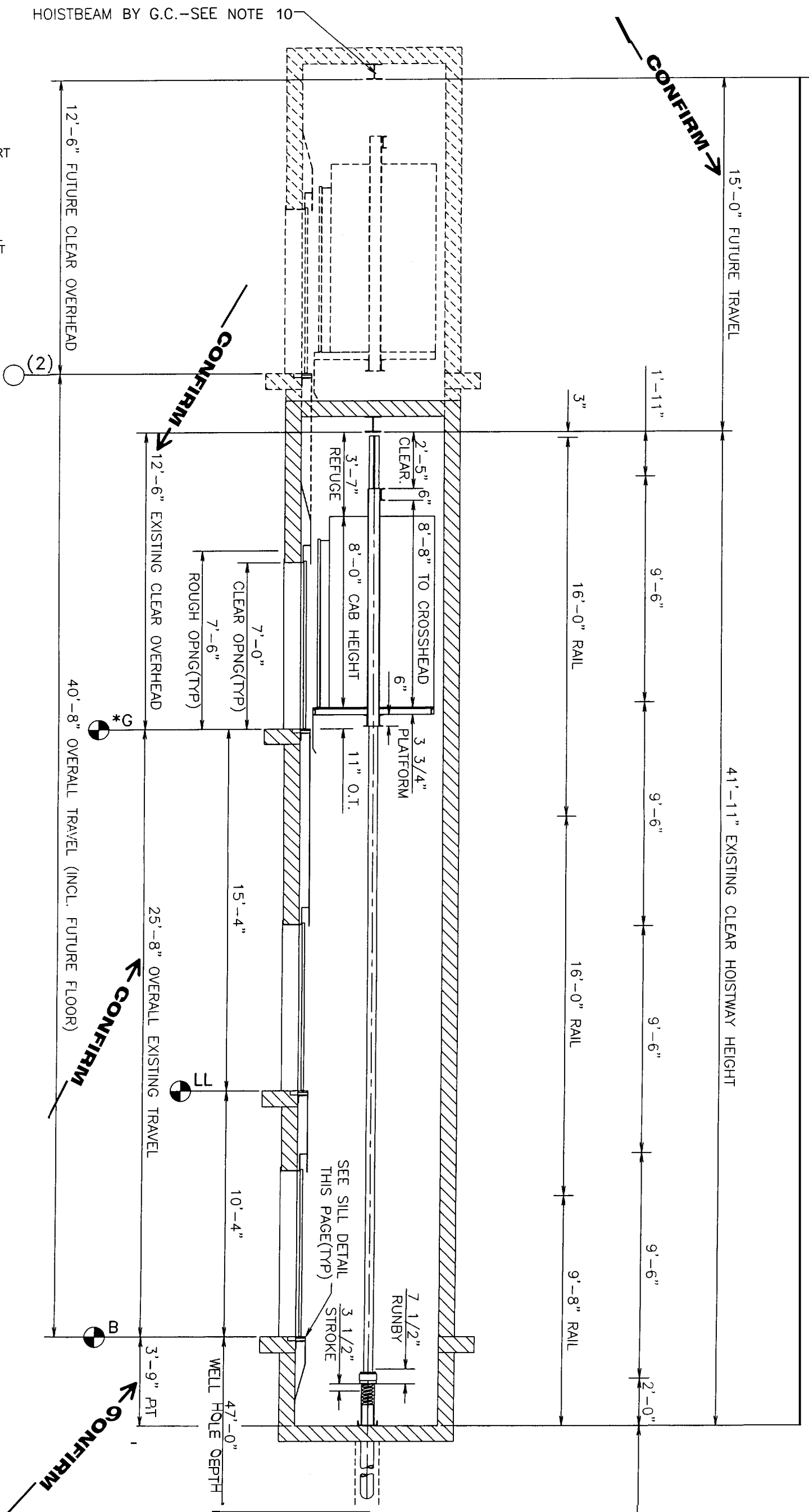
AN AREA OF 5.49 SQUARE FEET (NOT LESS THAN 24 INCHES ON ANY SIDE) IS TO BE LOCATED ON THE CAR TOP WHERE 43 INCHES MINIMUM OF VERTICAL CLEARANCE EXIST WITH THE CAR AT ITS MAXIMUM LIMIT OF TRAVEL. THIS REFUGE SPACE IS TO BE MARKED ON THE CAR TOP USING A CONTRASTING COLOR. (SEE ASME/ANSI A17.1.)

THE RAILS FOR THIS JOB ARE APPROXIMATELY 16'-0" LONG. MAKE SURE THAT THIS LENGTH COMPONENT CAN BE MOVED THROUGH THE JOB SITE INTO THE HOISTWAY.

PROJECT	
ROOT CELLAR PORTLAND, ME	
CONTRACT No.	SHEET No.
11064	2 OF 4

DATE	BY	CHKD	DESCRIPTION
5-16-05	ewd		ORIGINAL

56'-11" CIPAR HOISTWAY (INCL. FUTURE TRAVEL)



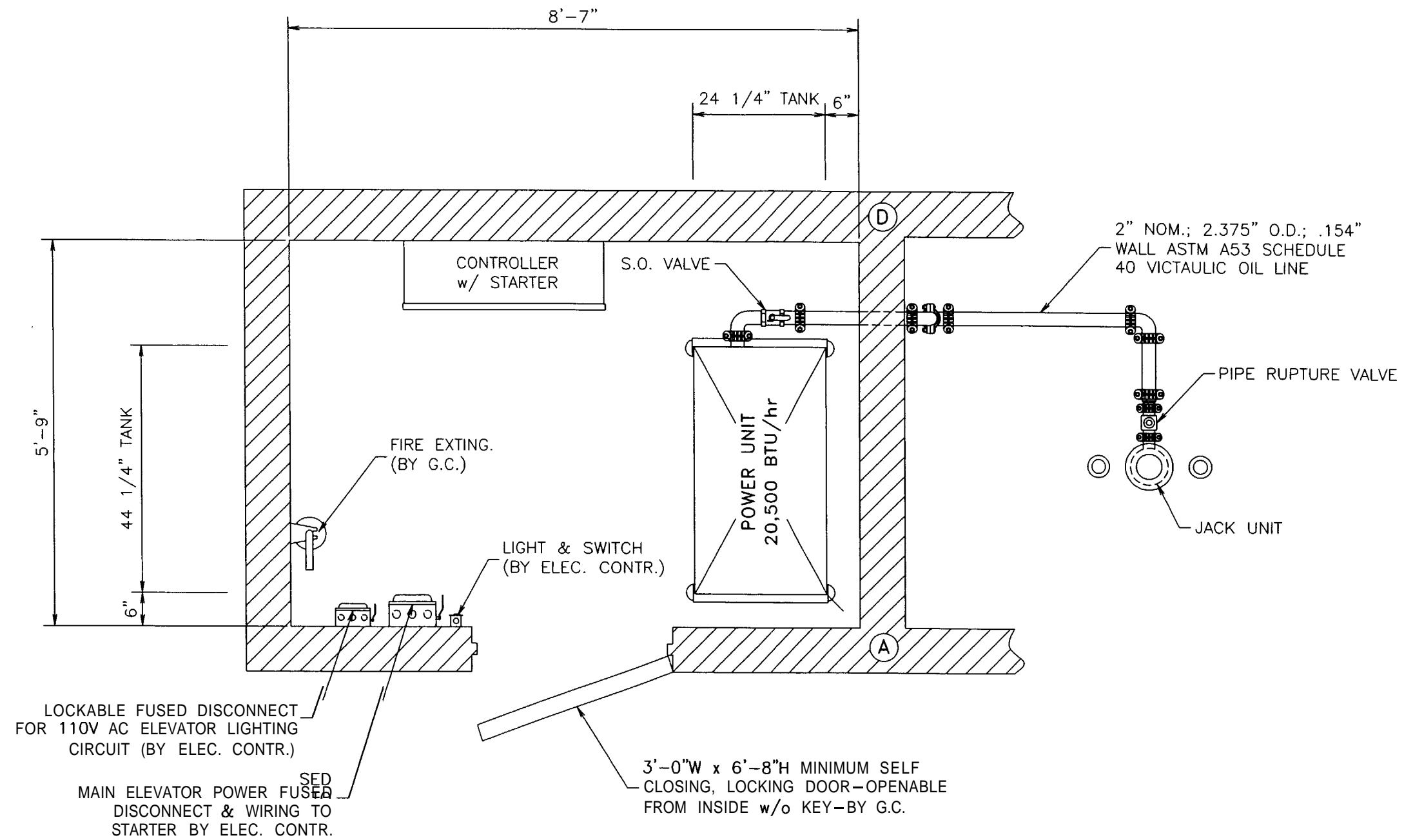
Hoistway Section "A - A"

SCALE : NONE

DATE	BY	CHKD	DESCRIPTION
5-16-05	ewd		ORIGINAL

PROJECT
**ROOT CELLAR
 PORTLAND, ME**

CONTRACT No. **11064**
 SHEET No. **3 OF 4**

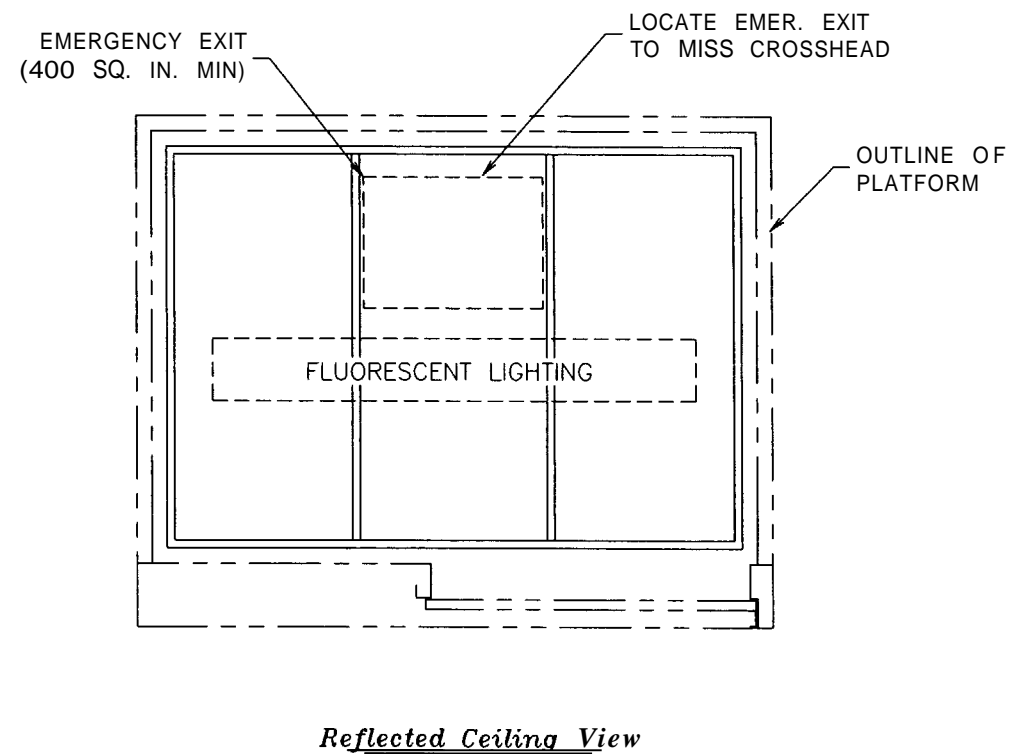
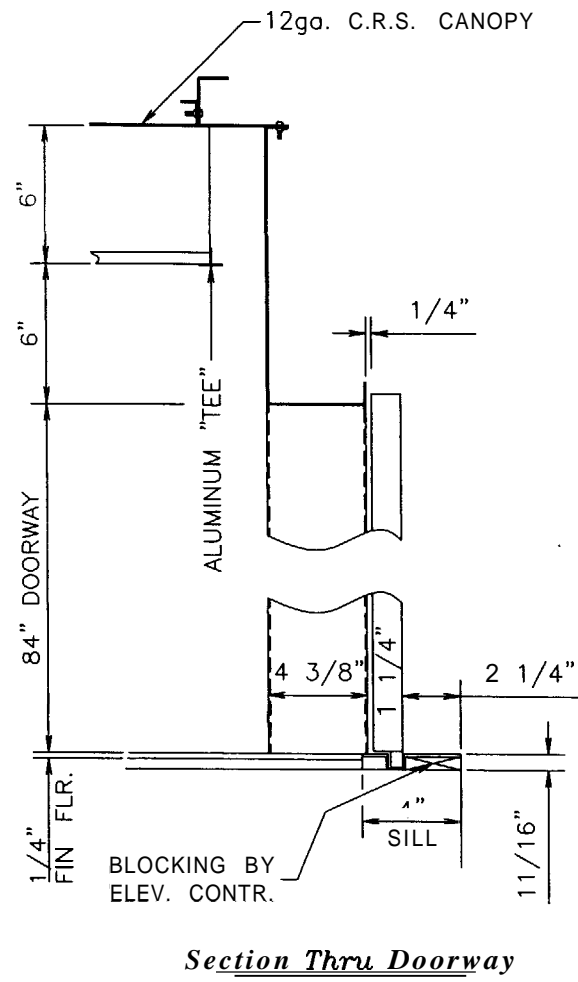
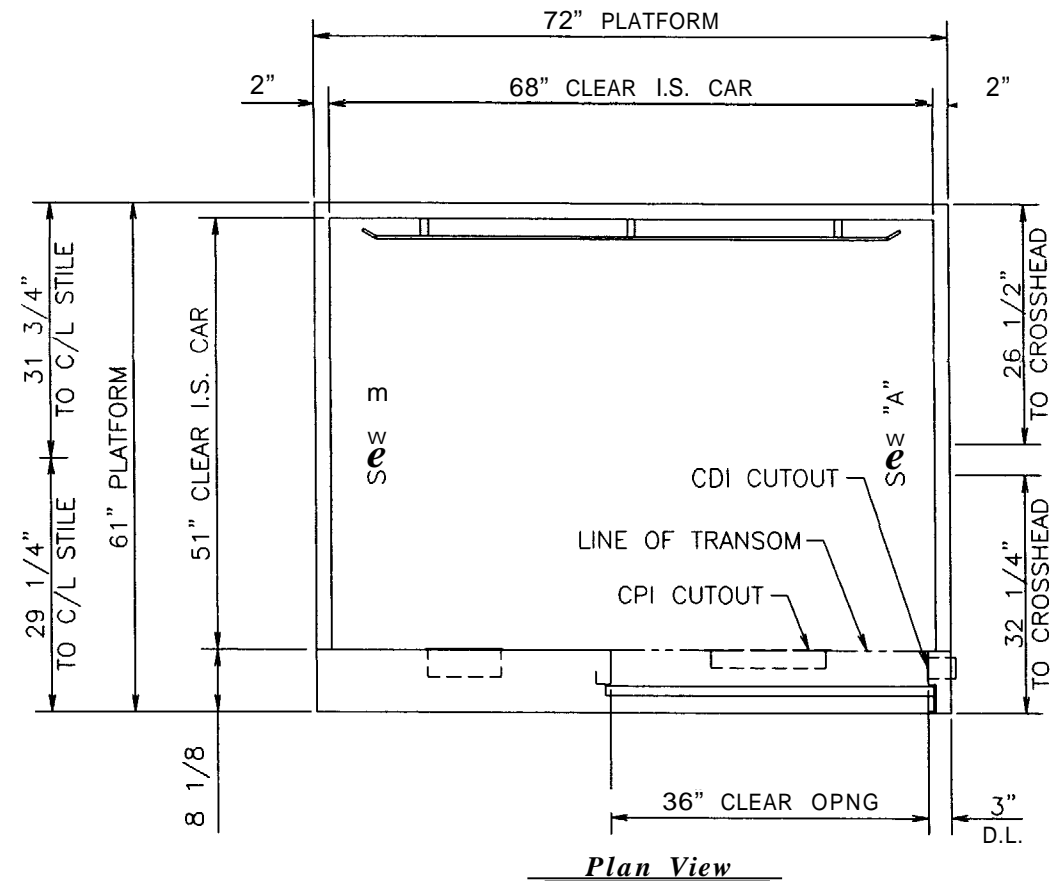


Machine Room @ "B"

SCALE : NONE

DATE	BY	CHKD	DESCRIPTION
5-17-05	ewd		ORIGINAL

PROJECT	
ROOT CELLAR PORTLAND, ME	
CONTRACT No.	SHEET No.
11064	4 OF 4



PLATFORM SIZE	72" WIDE x 61" DEEP
DOORWAY SIZE	36" WIDE x 84" HIGH
DOOR TYPE	SINGLE-SPEED SIDE-SLIDE
OPERATOR	GAL MODL
TEMPLATE No.	8231
STILE SIZE/TYPE	6" CHANNEL

CERT. FRAME	STAINLESS STEEL-BY CAB MFG.
EMER. LIGHT	BY FIXTURE MANUFACTURER
2-PIECE ASSY.	<input type="checkbox"/> NOT REQ'D <input checked="" type="checkbox"/> REQUIRED @ REAR
PAD HOOKS	<input type="checkbox"/> NOT REQ'D <input checked="" type="checkbox"/> REQUIRED
PROTECT. PADS	<input checked="" type="checkbox"/> NOT REQ'D <input type="checkbox"/> REQ'D <input type="checkbox"/> @ RETURN
CUTOUTS REQUIRED	<input checked="" type="checkbox"/> CAR STATION w/ PHONE OR BOX <input checked="" type="checkbox"/> CAR POSITION INDICATOR <input checked="" type="checkbox"/> CAR LANTERN <input type="checkbox"/> OTHER:
DOOR PROTECT.	PANA-40 PLUS
EMER. EXIT SW.	<input type="checkbox"/> NOT REQ'D <input checked="" type="checkbox"/> REQ'D w/ MOUNTING

FINISH SPECIFICATIONS	
ITEM	MATERIAL/FINISH
SIDE WALL "A"	PL. LAMIN.-ADVISE COLOR
SIDE WALL "B"	PL. LAMIN.-ADVISE COLOR
REAR WALL	PL. LAMIN.-ADVISE COLOR
DOOR PANELS	PL. LAMIN.-ADVISE COLOR
RETURN PANEL	SATIN STAINLESS STEEL (20ga.)
STRIKE JAMB	SATIN STAINLESS STEEL (16ga.)
TRANSOM	SATIN STAINLESS STEEL (16ga.)
CANOPY	12 ga. C.R.S.-WHITE ENAMEL
CEILING FRAME	ANODIZED ALUMINUM "TEE"
BASE	SATIN STAINLESS STEEL (20ga.)
CEILING TYPE	<input checked="" type="checkbox"/> PLASTIC THERMOCLEAR <input type="checkbox"/> ALUMINUM EGGCRATE
HANDRAIL(S)	2" x 3/8" <input checked="" type="checkbox"/> REAR SATIN STAINLESS STEEL <input type="checkbox"/> SIDES
EXHAUST FAN	<input checked="" type="checkbox"/> SINGLE SPEED <input type="checkbox"/> GRILL ONLY <input type="checkbox"/> TWO SPEED <input type="checkbox"/> O.E. BLOWER

****EXIT CONTACT REQUIRED PER A17.1-2000 CODE****

T 3 DRAWING REPRESENTS GENERAL DESIGN INTENT ONLY. TUAL AS-BUILT DETAILS MAY VARY FROM THAT SHOWN.

NOTES

- 1.) CAB SHELL CONSTRUCTION COMPLIES WITH ALL REQUIREMENTS AS SET FORTH IN THE ASME/ANSI A17.1 ELEVATOR SAFETY CODE. ALL LOCAL AND/OR HANDICAP REQUIREMENTS ARE THE RESPONSIBILITY OF THE INSTALLER.
- 2.) ARCHITECTURALLY SPECIFIED INTERIORS MAY NOT MEET ASME/ANSI A17.1 CODE REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE ELEVATOR INSTALLER TO OBTAIN APPROVALS FROM STATE AND/OR LOCAL AUTHORITIES FOR ANY MATERIALS THAT DO NOT COMPLY.
- 3.) THE ELEVATOR INSTALLER MUST ADVISE IF WALL SIZES SHOWN PROHIBIT INSTALLATION DUE TO HOISTWAY ENTRANCE SIZE OR OTHER ACCESS LIMITATIONS.

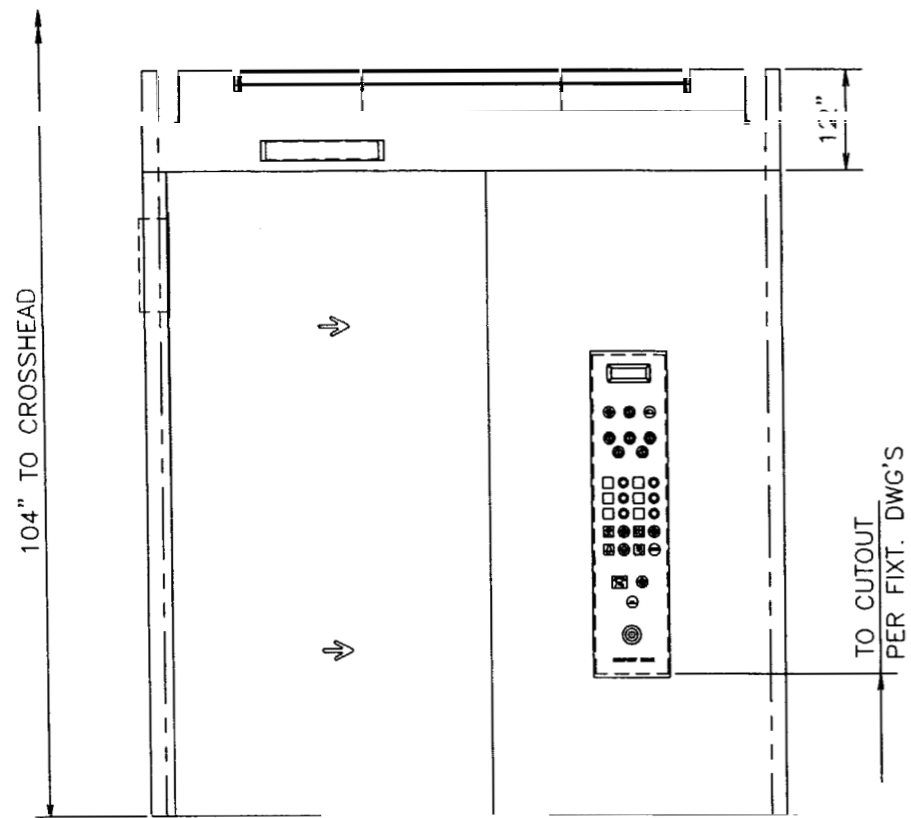


ELEVATOR CAB
SINGLE SLIDE-FRONT OPENING-WOOD CORE
PROJECT

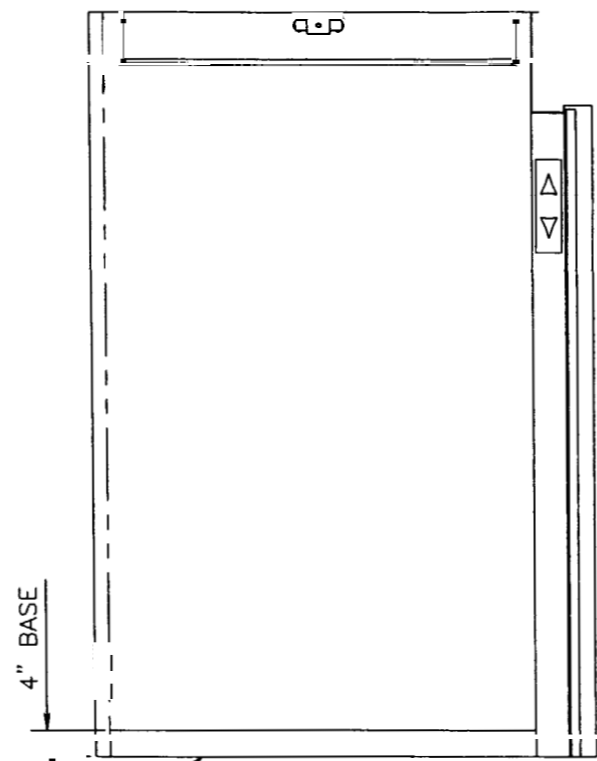
ROOT CELLAR
PORTLAND, ME

DATE	BY	CHKD	DESCRIPTION
5-17-05	ewd		ORIGINAL

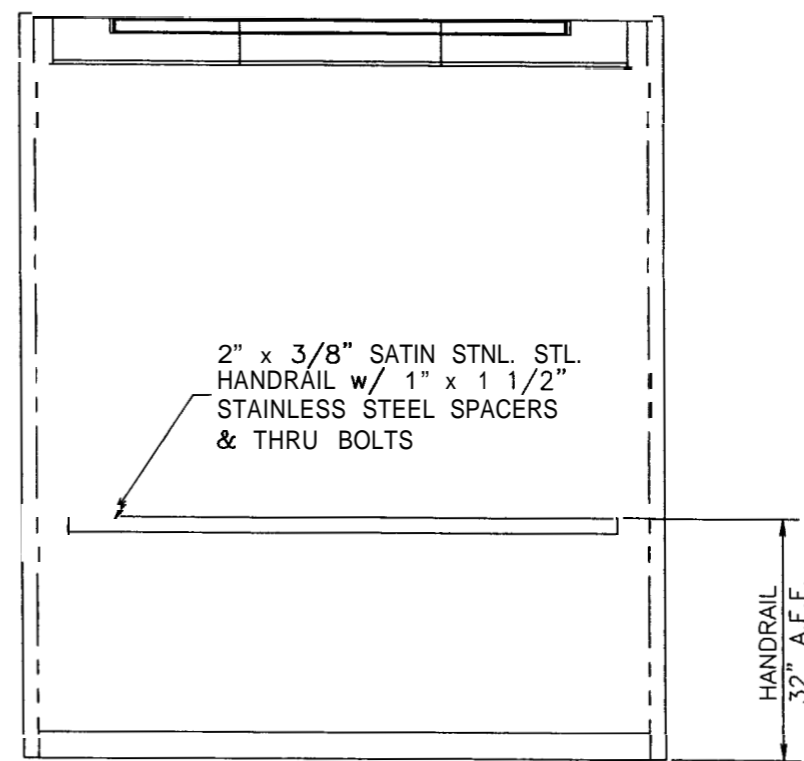
CONTRACT No. **11064** SHEET No. **1 OF 2**



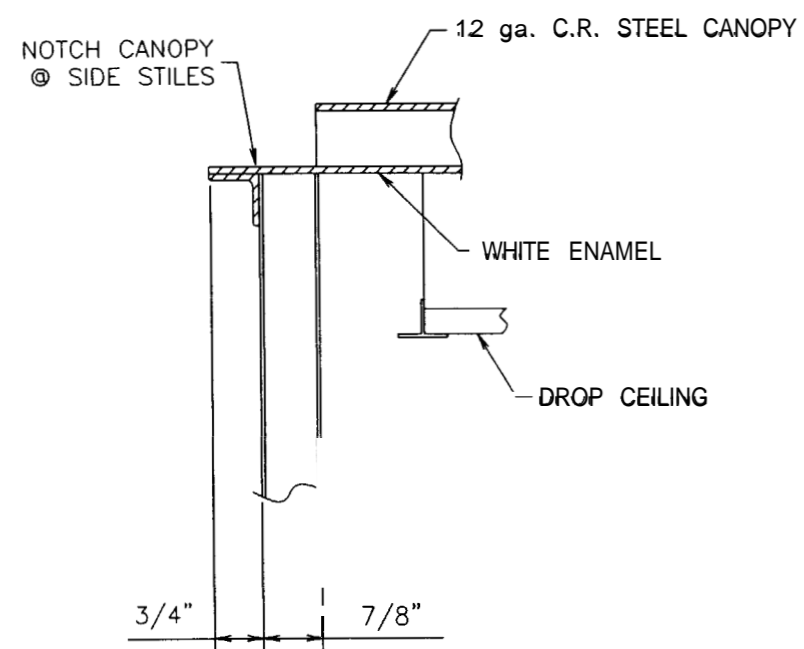
Front Elevation



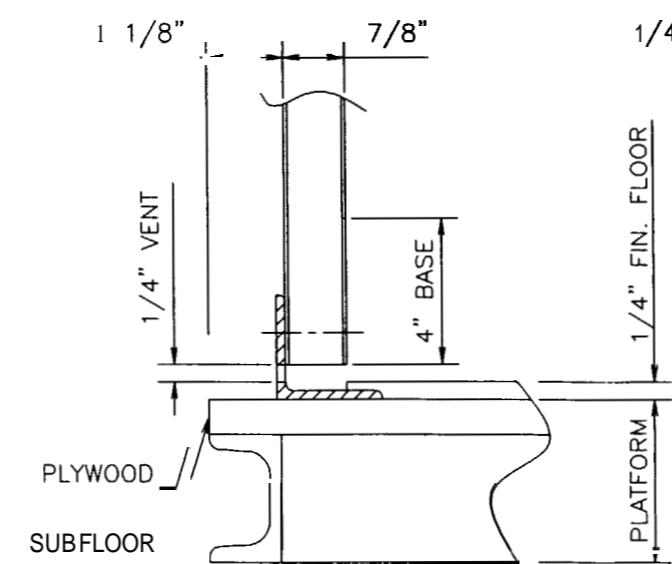
Side "A" Elevation
(Side "B" Elevation similar)



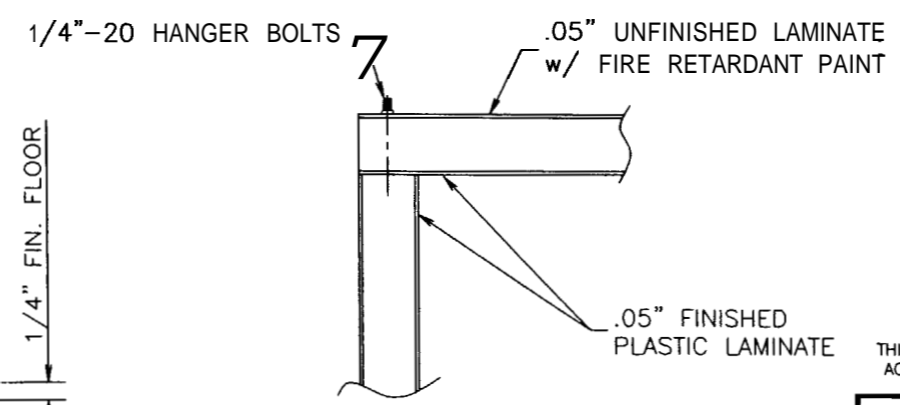
Rear Elevation



Cab to Canopy Connection



Cab to Platform Connection



Corner Fastening Detail

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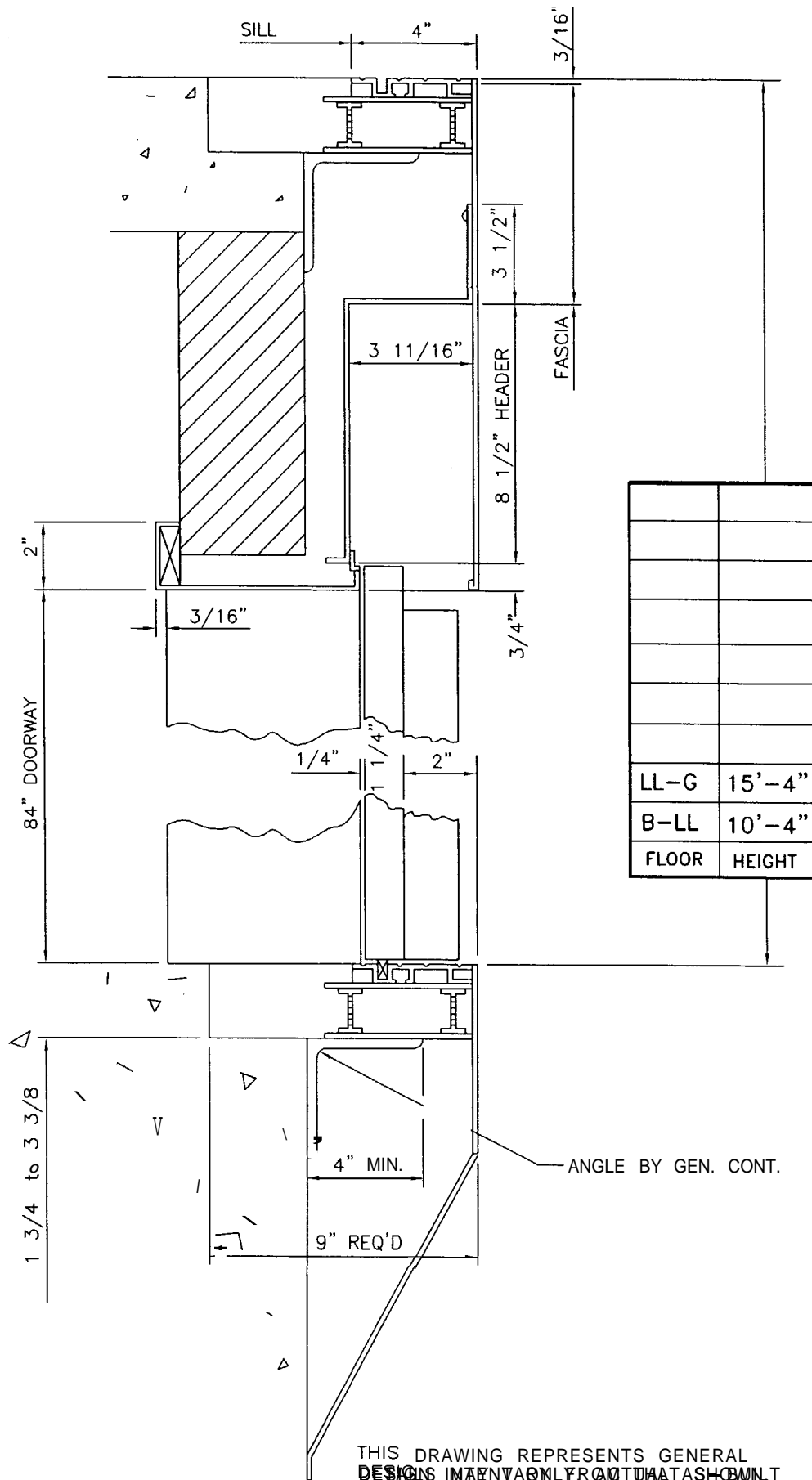
ELEVATOR CAB
SECTIONS AND ELEVATIONS

PROJECT

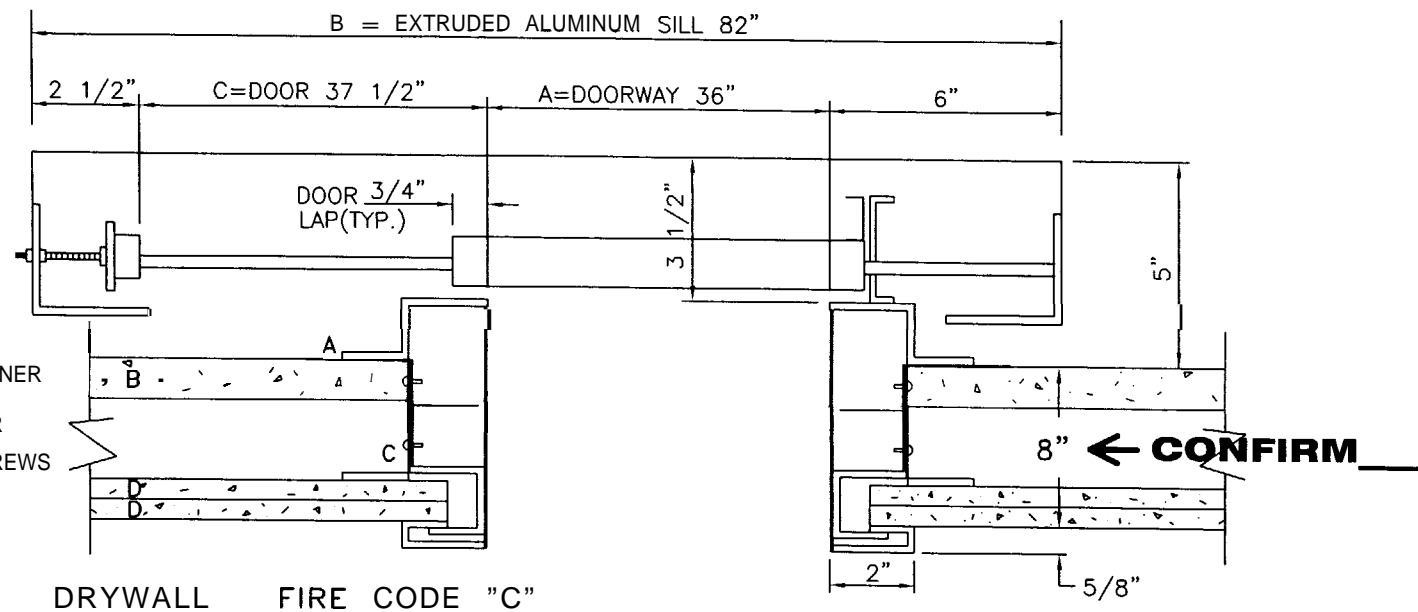
ROOT CELLAR
PORTLAND, ME

DATE	BY	CHKD	DESCRIPTION
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CONTRACT No. **11064** SHEET No. **2 OF 2**



- A. 20 GA. J RUNNER
- B. GYPSUM LINER
- C. 1/2" TEK SCREWS ON 6"
- D. DRYWALL CODE "C"



GC NOTE: A MINIMUM ROUGH OPENING OF 48" WIDE x 90" HIGH MUST BE PROVIDED BY GENERAL CONTRACTOR IN ORDER TO INSTALL ENTRANCES.

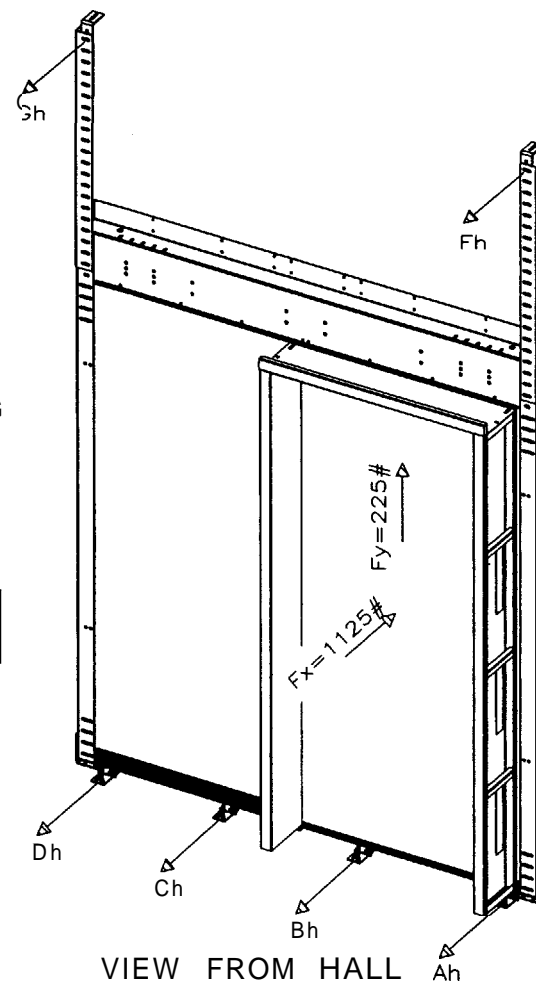
HORIZONTAL REACTIONS ON BUILDING STRUCTURE PER ASME A17.1 RULE 308.1(m)

Ah	Bh	Ch	Dh	Fh	Gh
308.3	327.8	46.8	40.3	300.5	100.2

NOTES:

1. ALL FRAMES ARE KNOCK-DOWN CONSTRUCTION.
2. ALL DOORS AND FRAMES BEAR "UL" 1 1/2 HOUR FIRE LABELS
3. FASCIA PER A.N.S.I. CODE.
4. ARE SET.
5. SUITABLE SILL SUPPORT & RECESS TO BE GROUTED BY OTHERS AFTER DOOR SILLS ARE INSTALLED.

THIS DRAWING REPRESENTS GENERAL DESIGN INTENT ONLY FROM THE DATA SHOWN

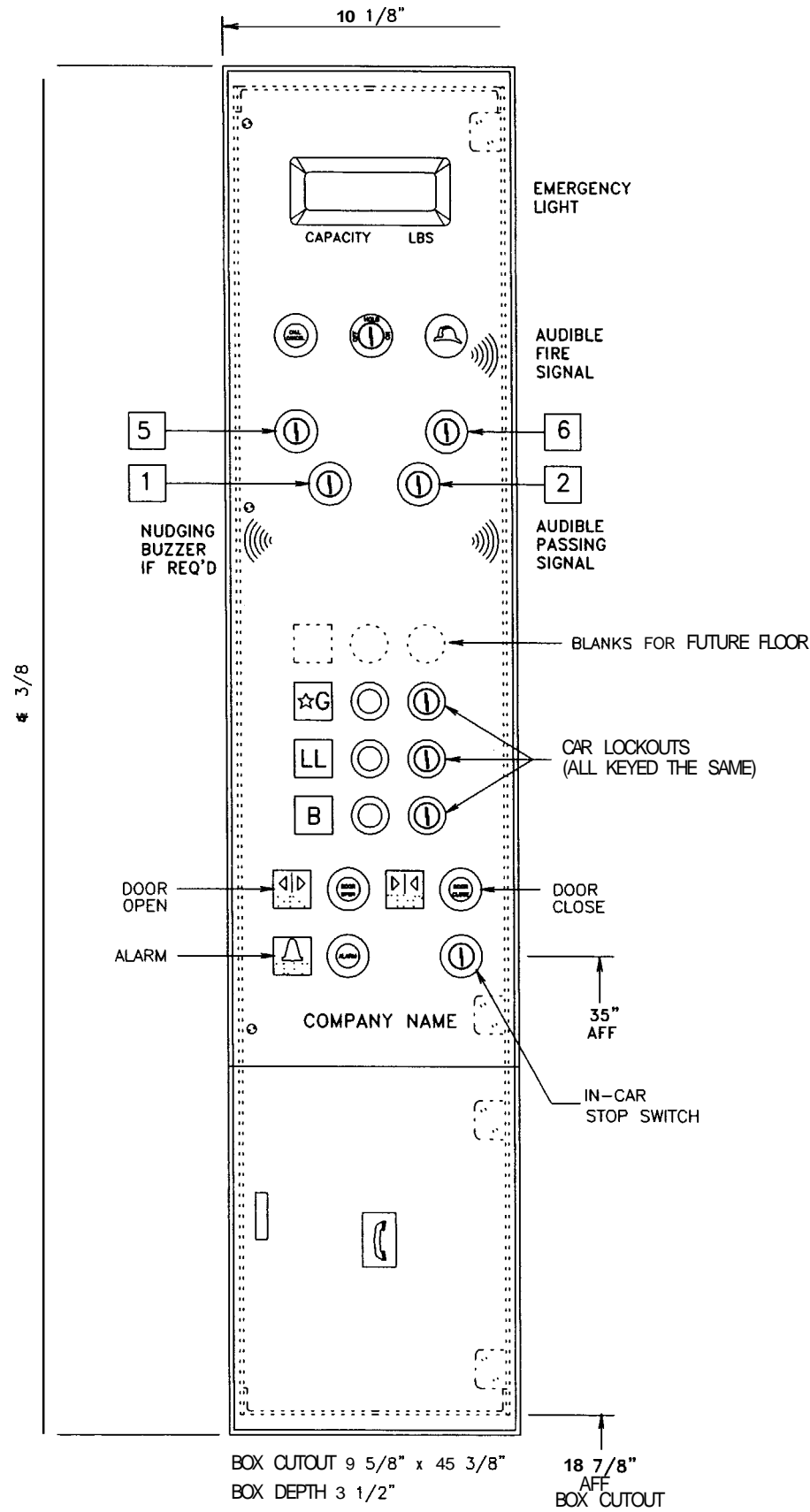


VIEW FROM HALL

DATE	BY	CHKD	DESCRIPTION
5-17-05	ewd		ORIGINAL

FRAMES	14 GA. STL.
DOORS	14 GA. STL.
SIGHT GUARDS	14 GA. STL.
FASCIA	14 GA. STL.
HANGER COVER	14 GA. STL.
TOE GUARD	14 GA. STL.
SILLS	MILL FINISH EXTRUDED ALUMINUM
FINISH AND COLOR SELECTION	
DOORS	ENAMEL-ADVISE COLOR ← ADVISE
FRAMES	ENAMEL-ADVISE COLOR ← ADVISE
A	30" 32" 34" 36" 38" 40" 42"
B	70" 74" 78" 82" 86" 90" 94"
C	31 1/2" 33 1/2" 35 1/2" 37 1/2" 39 1/2" 41 1/2" 43 1/2"
3 ENTRANCES REQ. AS SHOWN	
ENTRANCES REQ. OPPOSITE	
DETAIL	SINGLE SLIDE
PROJECT	ROOT CELLAR PORTLAND, ME
CONTRACT NO.	SHEET NO.

CAR OPERATING PANEL



BOX CUTOUT 9 5/8" x 45 3/8"
BOX DEPTH 3 1/2"

18 7/8" AFF
BOX CUTOUT

1046-TE C.O.P.

THIS DRAWING DEPICTS GENERAL DESIGN INTENT ONLY. ACTUAL AS-BUILT DETAILS MAY VARY.

VOLTAGE
 120V AC 48V AC OTHER:

COVER MATERIAL

1/8" SATIN FINISH STAINLESS STEEL BRONZE

PUSH BUTTONS

STANDARD VANDAL RESISTANT
 RWB VP
WHITE BUTTON - BLACK HALO METAL BUTTON - CENTER ILLUMINATED

NUMBER OF OPENINGS 4

FLOOR MARKINGS B LL (☆G) -

CIRCLE EGRESS (☆) FLOOR
SINGLE COLUMN FOR UP TO 5 LANDINGS.
DOUBLE COLUMN FOR 6 TO 10 LANDINGS.

KEY SWITCHES

G.A.L. STANDARD CHICAGO MEDECO (VANDAL RESISTANT)

- 1 LIGHT
- 2 FAN (1 SP.)
- 3 OFF/LIGHT /FAN (1 SP.)
- 4 ELECTRICAL EYE
- 5 IND. SERV. KEY SWT.
- 6 ACCESS ON/OFF
- 7 DOOR HOLD
- 8 MASS EMT AND
- 9 "MEDICAL EMERGENCY" LIGHT
- 10

CHOOSE UP TO 5 KEY SWITCHES.
(A LIGHT-UP INDICATOR MAY BE SUBSTITUTED)

STOP SWITCH

TOGGLE PULL TO STOP KEY OPERATED

FIRE SERVICE

REQD NOT REQD
WHEN USED INCLUDES KEY SWITCH, JEWEL, AUDIBLE SIGNAL & CALL CANCEL P.B.
 ASME/ANSI FOR A17.1-2000 CODE
 SPECIAL KEY REQ'D FOR MAINE (YALE #3502)

OTHER CODE REQUIREMENTS. PLEASE ADVISE

TELEPHONE

PHONE COMPARTMENT (PHONE UNIT BY CANTON)
 G.A.L. HANDS FREE PHONE, INSIDE COMPARTMENT (INCLUDES PUSH TO CALL BUTTON & HELP IS ON THE WAY)
 G.A.L. HANDS FREE PHONE, COVER MOUNTED

ENGRAVING LOGO

CAPACITY 2000# NAME PINE STATE ELEVATOR

HINGE

AS SHOWN OPPOSITE

NUDGING BUZZER

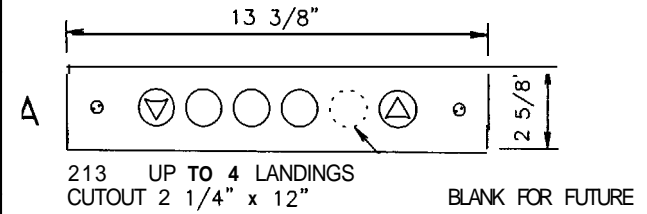
NOT REQD REQ'D

No. OF C.O.P.'s

5-17-05	ewd	ORIGINAL
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1

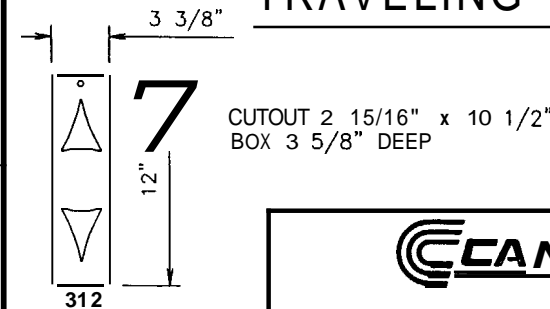
CAR POSITION INDICATORS



CAR POSITION INDICATOR

QTY.	TYPE	w/o SIGNAL	FLOOR DESIGNATIONS
1	B		B LL G -

TRAVELING LANTERNS



TRAVELING LANTERNS		
QTY.	WITHOUT PROGRAMMER	WITH PROGRAMMER
1	X	



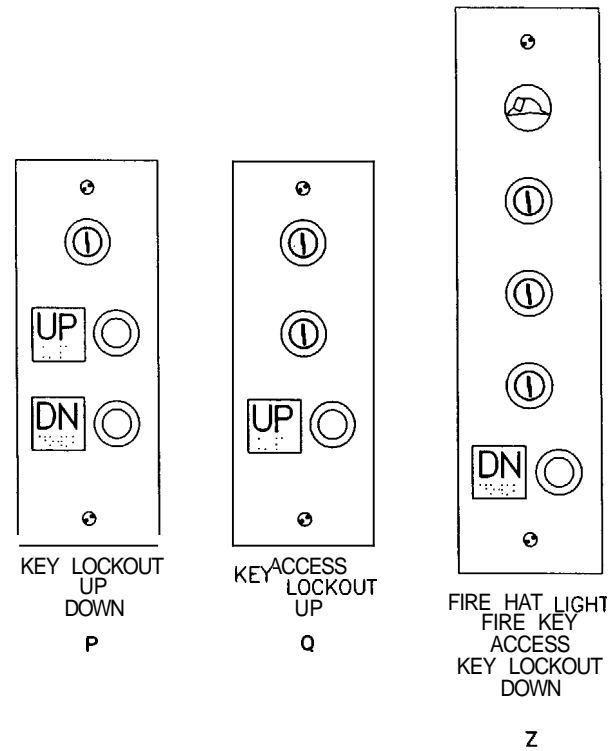
DETAIL CAB FIXTURES

C.O.P. - 10 LEVELS (MAX) / 5 KEY SW's

ROOT CELLAR
PORTLAND, ME

CONTRACT No. **11064** SHEET No. **1 OF 2**

HALL STAT ONS



A17.1-2000 CODE FIRE KEY FOR MAINE (YALE #3502)

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HALL STATIONS		
QTY.	TYPE	USED AT FLOORS
1	Q	B
1	P	LL
1	Z	G

STANDARD ASME/ANSI A17.1 FIRE SERVICE UNLESS OTHERWISE NOTED(WHEN FIRE SERVICE IS PROVIDED).

CUTOUT AND PLATE SIZES

TYPE	CUTOUT	COVERPLATE
A THRU M	4 1/2"W x 8 1/4"L x 3"D	5"W x 9 3/4"L
N THRU Q	4 1/2"W x 12 1/2"L x 3"D	5"W x 14"L
R	4 1/2"W x 14 1/2"L x 3"D	5"W x 16"L
Z	4 1/2"W x 18 1/2"L x 3"D	5"W x 20"L

PUSH BUTTONS	
STANDARD	VANDAL RESISTANT
<input checked="" type="checkbox"/> RWB	<input type="checkbox"/> VP
WHITE BUTTON - BLACK HALO	STEEL BUTTON - CENTER ILLUMINATED
COVER MATERIAL	VOLTAGE
<input checked="" type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> BRONZE	<input checked="" type="checkbox"/> 120V AC <input type="checkbox"/> 48V AC
<input checked="" type="checkbox"/> 1/8" SATIN FINISH	<input type="checkbox"/> OTHER:

DATE	BY	CHKD	DESCRIPTION
5-17-05	ewd		ORIGINAL

CANTON ELEVATOR

DETAIL **HALL FIXTURES**

PROJECT **ROOT CELLAR
PORTLAND, ME**

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