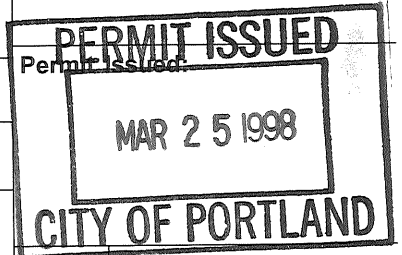


Permit No: **980270**

Location of Construction: 125 Presumpscot St		Owner: Chapman Co.		Phone:	
Owner Address: P.O. Box 10700 Portland, ME 04104		Lessee/Buyer's Name:		Phone: 773-4726 X246	
Contractor Name: Riverside Mechanical		Address:		Phone:	
Past Use: Max Use		Proposed Use: Same		COST OF WORK: \$ 2,600.00	
				PERMIT FEE: \$ 35.00	
				FIRE DEPT. <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	
				INSPECTION: Use Group: Type: Doca Mech 93	
Proposed Project Description: Install Vent System as per plans				Signature: <i>[Signature]</i>	
				Signature: <i>[Signature]</i>	
				Date: _____	
Permit Taken By: Mary Gresik		Date Applied For: 23 March 1998			



Zone: CBL: 425-A-002  
Zoning Approval: *[Signature]*  
Special Zone or Reviews:  
 Shoreland  
 Wetland  
 Flood Zone  
 Subdivision  
 Site Plan maj  minor  mm

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

**Zoning Appeal**  
 Variance  
 Miscellaneous  
 Conditional Use  
 Interpretation  
 Approved  
 Denied

**Historic Preservation**  
 Not in District or Landmark  
 Does Not Require Review  
 Requires Review

**Action:**  
 Approved  
 Approved with Conditions  
 Denied

Date: \_\_\_\_\_

**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

SIGNATURE OF APPLICANT *Bill Smith* ADDRESS: \_\_\_\_\_ DATE: 23 March 1998 PHONE: \_\_\_\_\_

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE \_\_\_\_\_ PHONE: \_\_\_\_\_

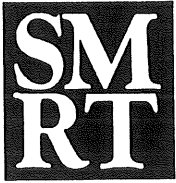
CEO DISTRICT 6

COMMENTS

3-30-98 Work is in progress

4-24-98 Ventilation system has all R4 installed

	Type	Inspection Record	Date
Foundation:	_____	_____	_____
Framing:	_____	_____	_____
Plumbing:	_____	_____	_____
Final:	_____	_____	_____
Other:	_____	_____	_____



## Architecture

## Engineering

## Planning

144 Fore Street/P.O. Box 618  
Portland, Maine 04104  
Tel. (207) 772-3846  
Fax (207) 772-1070  
e-mail: rbail@smrtinc.com

2051 Main Street/Suite 102  
Sarasota, Florida 34237  
Tel. (941) 955-9883  
Fax (941) 955-9893  
e-mail: SMRTFL@aol.com

DATE: February 24, 1998

TO: Janet Hansen

FROM: Russ Bailey *RTB*

RE: Chapman Passivator Area - Ventilation of Additional Rooms  
SMRT Project No. 97060-02

cc: IAM, file 97060-26

---

As we discussed earlier today, attached is a sketch and cutsheet for ventilation of the three additional rooms in the Assembly Area which are being built under the Passivator Room Project.

SMRT has analyzed different ventilation solutions for these spaces and have considered the solution first cost and Code conformance. We feel that positive ventilation is the only way to provide adequate outdoor air for the occupants of these spaces in conformance with the 1993 BOCA Mechanical Code.

The attachments show a residential-style Honeywell Heat Recovery Ventilator delivering outdoor air to the three rooms and preheating the air with exhaust from the Assembly Room. The outdoor air and exhaust air transfer heat through aluminum cross-flow plates within the unit. The unit will cost around \$750.

Listed below is the reasoning and thought process involved in the ventilation design:

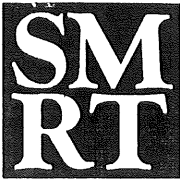
1. Bill Smith called 2/17/98 stating that the Building Inspector, during a pre-construction walk-thru, noticed that the three interior rooms 105, 106 and 107 were not provided with a means of ventilation. The Inspector, Mr. Mer Leary, stated that the building code requires that these rooms be ventilated. Bill stated that these rooms were added to the project after the building permit was issued. RTB and BS discussed the possible solutions, including continuous exhaust, removing the doors for natural ventilation, and exhaust to the ceiling

space. BS stated that he had not budgeted for additional ventilation. RB stated that he would contact the Inspector and develop an acceptable ventilation solution.

2. Mr. Leary was contacted 2/18/97 and stated that a permit should be obtained for the additional three rooms. Mr. Leary stated that it can be obtained as an addendum to the original permit. In a 2/24 conversation with Sam Hoffses/Plan Review, the rooms must meet the 1993 BOCA Mechanical Code requirements for natural or mechanical ventilation.
3. RB analyzed different solutions with the assistance of Ian MacDonald. RTB and IAM strongly agree that the rooms require ventilation. The criteria used to judge the solutions is code applicability and first cost:
  - a. One unacceptable solution is natural ventilation through Assembly by removing the office doors. The Mechanical Code allows natural ventilation of an interior space through a perimeter space that is naturally ventilated. The perimeter space must have operable windows/doors that total an area at least 4% of the floor area. The Assembly Room (3800 sf), with only three operable windows (area 3' x 4' each) and one door opening (48 sf) does not meet that criteria (2.2%). In other words, the Assembly Room does not have adequate ventilation to begin with. Therefore, in SMRT's professional opinion, the Assembly Room should not be used for natural ventilation of the three rooms.
  - b. Another unacceptable solution is to continuously exhaust the spaces (6 ACH) and makeup from the Assembly Room. At first glance, this solution appears to provide adequate ventilation for the spaces. The Mechanical Code, however, does not allow transfer air to satisfy the outdoor air requirements and, therefore, SMRT cannot endorse this solution.
  - c. The solution that provides adequate ventilation at the least first cost is a "heat recovery ventilator that uses exhaust air to preheat outdoor air. The outdoor air is then ducted to the individual spaces. The ventilator should be Honeywell ER200 or an approved equal.
4. The attached sketches were forwarded to Sam Hoffses/Portland Plan Review for preliminary review and comment prior to the formal permit application. This step was taken to expedite the permitting process.

SMRT  
SPECIALTY MECHANICAL  
CORPORATION  
1000 N. W. 10th Ave  
Portland, OR 97227  
503.241.1111

SMRT  
SPECIALTY MECHANICAL  
CORPORATION  
1000 N. W. 10th Ave  
Portland, OR 97227  
503.241.1111

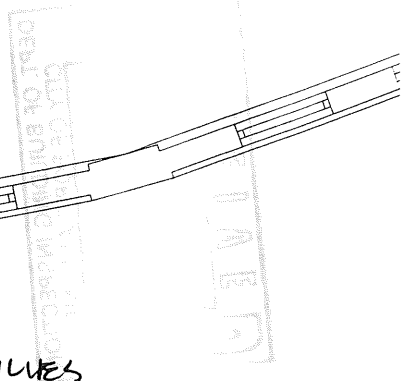
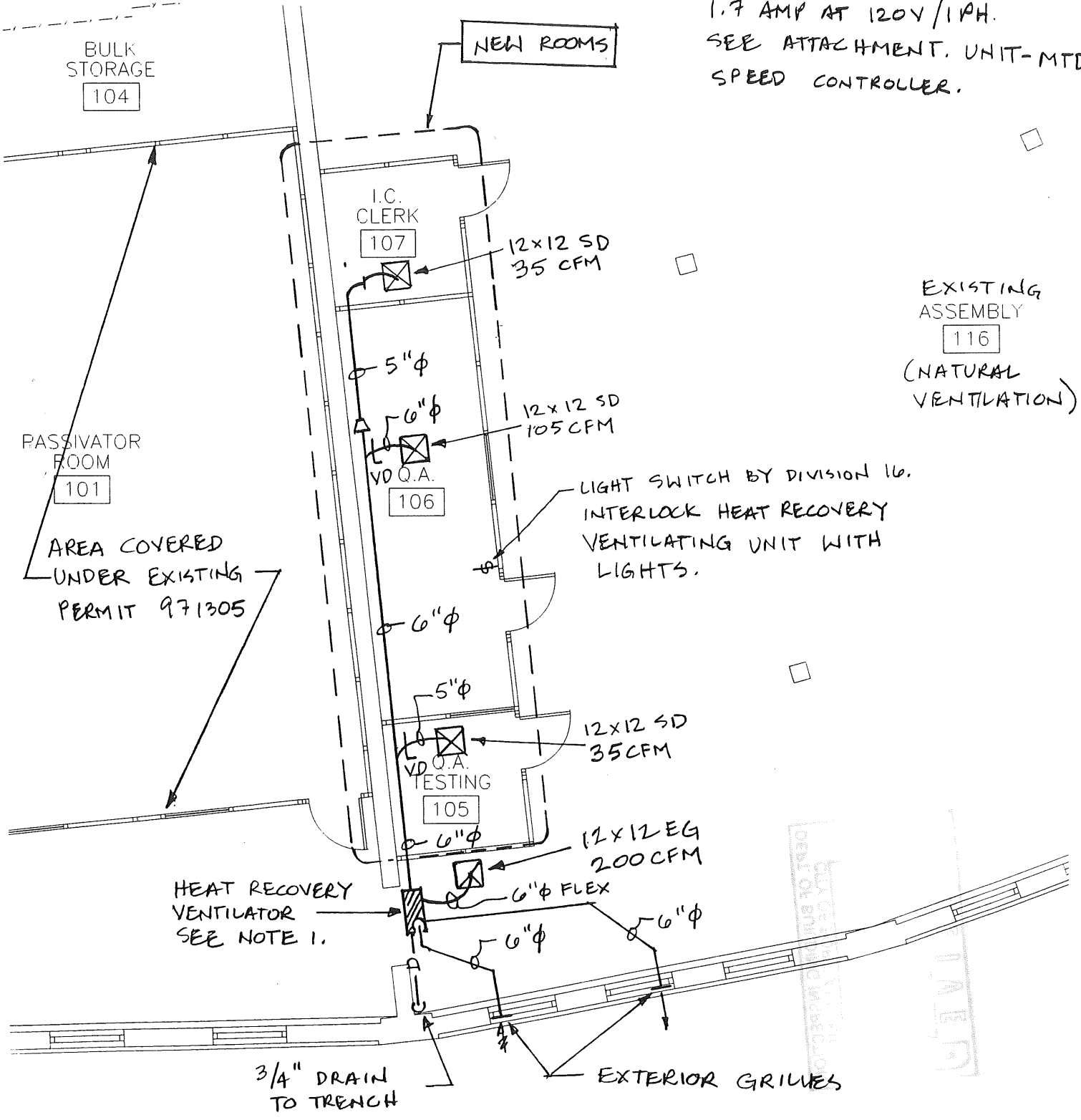


CHAPMAN PASSIVATOR ROOM  
(ADDENDUM)  
2/24/98 - BAILEY  
1/8" = 1'-0"

1 1/2 ton Air AC

NOTES

- HEAT RECOVERY VENTILATOR ABOVE CEILING, HONEYWELL HR200C, 184 CFM OUTSIDE AIR AT 0.4" SP. 1.7 AMP AT 120V/1PH. SEE ATTACHMENT. UNIT-MTD. SPEED CONTROLLER.

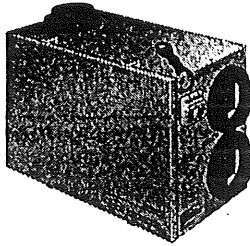


HONEYWELL HEAT RECOVERY VENTILATOR  
 CHAPMAN PASSIVATOR ROOM  
 SMRT, INC.  
 2/24/98 - BAILEY

**NEW!**

## HR200C Perfect Window™ Fresh Air Ventilation Systems

Heat recovery ventilators provide proper levels of ventilation with energy savings by transferring heat between the exhaust and fresh air streams.



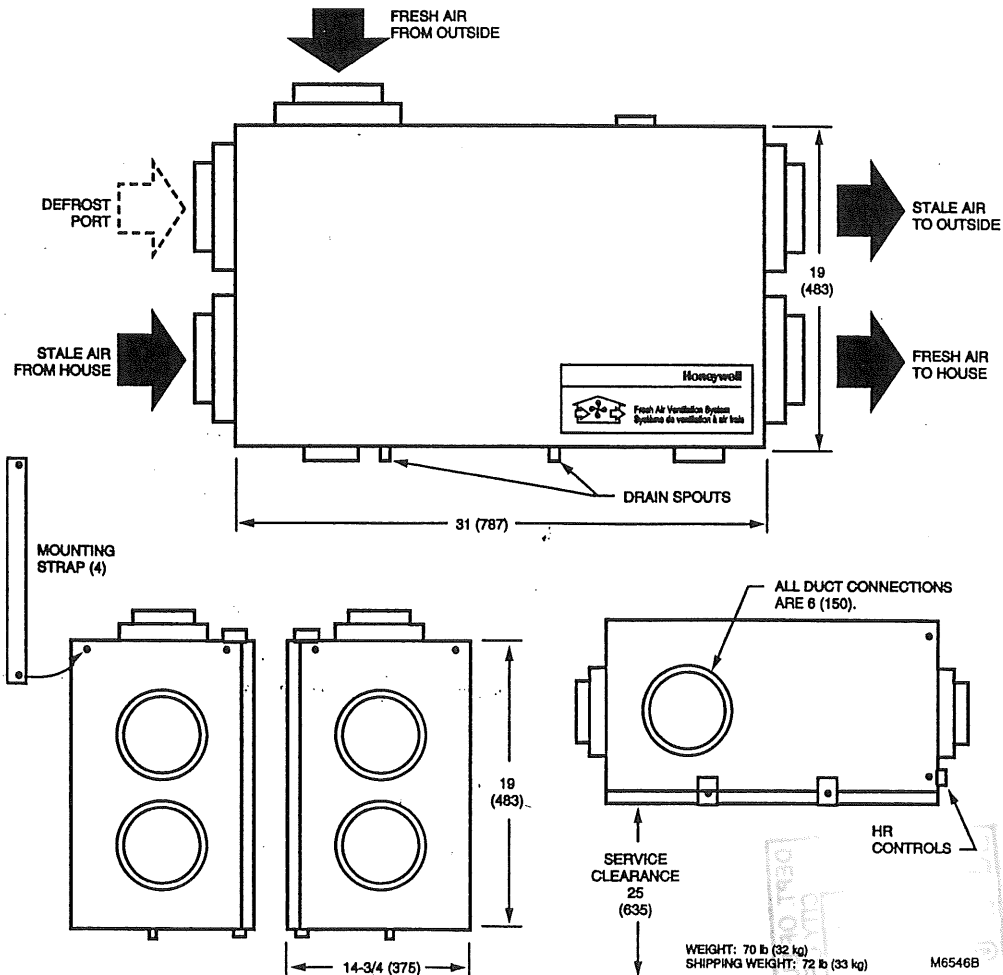
- Includes heat transfer core, prefilters, fan and blower assembly and defrost.
- Provides ventilation that helps contractors meet ASHRAE 62-89.
- Automatic, economical built-in defrost for operation to design temperatures of -40 F [-40 C].
- Electronic ventilation fan timer option.
- Low voltage, high-speed override.

- Microprocessor speed control.
- Stale air is not recirculated while the ventilator is in the defrost mode.
- Easy-to-clean cross-flow core assures years of trouble-free operation.
- Insulated cabinet.
- Rugged steel cabinet.
- Quiet operation.
- Permanent (washable) prefilters.
- Includes vibration isolation hardware and duct collars.

**APPROVAL BODIES:**

Home Ventilation Institute certified.  
 Canadian Standards Association approved.  
 ETL certified to U.L. 1812.

HR150; HR200 dimensions in in. (mm).



continued next page

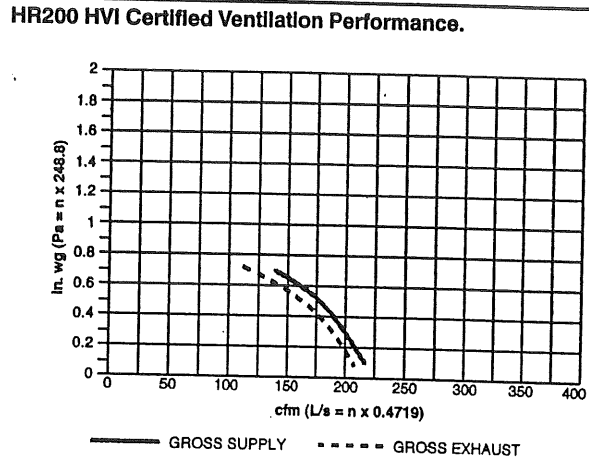
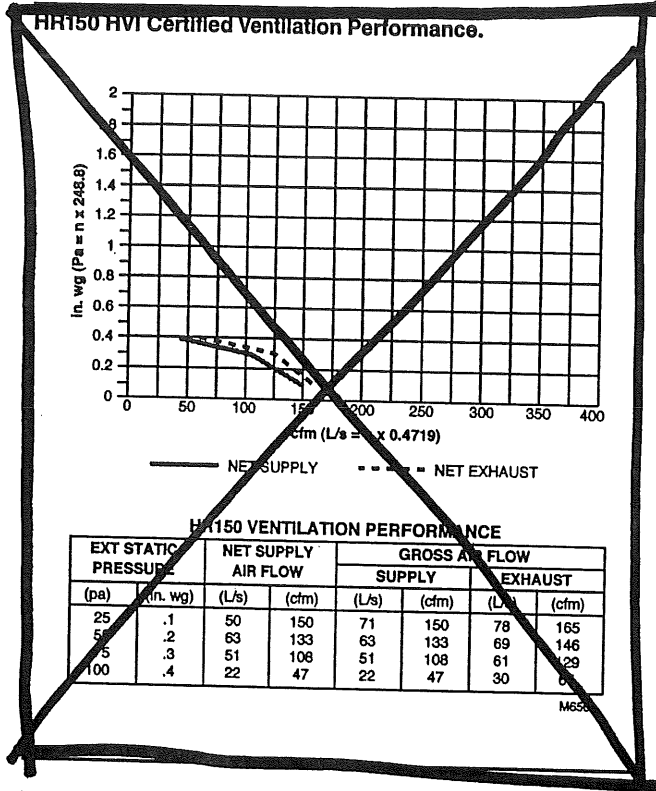
# Ventilation Systems

HR150C; HR200C continued

**ELECTRICAL RATINGS:**  
 Power Rating: 120 Vac, 60 Hz.  
 Consumption:

Model	Nominal Current (A)	
	HR150	HR200
Minimum Speed	0.7	0.8
Maximum Speed	1.7	1.7

**MAXIMUM TEMPERATURE RECOVERY: 80%.**  
**SENSIBLE EFFICIENCY (PERFORMANCE PER CAN/CSA-C439-88):**  
 Low Speed at 32 F [0 C]: 68%  
 High Speed at 32 F [0 C]: 62%  
 Low Speed at -13 F [-25 C]: 60%  
**MOUNTING:** Mounts in conditioned space such as basement, utility room, hallway or closet. Can also be mounted in a conditioned attic space.  
**INSTALLED WEIGHT:** 70 lb. [32 kg].

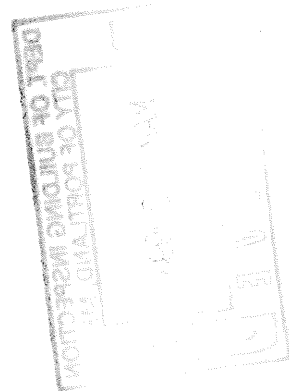


EXT STATIC PRESSURE (pa)	(in. wg)	NET SUPPLY AIR FLOW		GROSS AIR FLOW			
		(L/s)	(cfm)	SUPPLY		EXHAUST	
				(L/s)	(cfm)	(L/s)	(cfm)
.25	.1	101	214	102	216	97	206
50	.2	97	206	98	208	93	197
75	.3	91	193	93	197	88	186
100	.4	87	184	88	188	82	174
125	.5	80	170	81	172	75	159
150	.6	73	155	74	157	67	142
175	.7	64	137	65	138	54	114

M6562

Order Number	Core Type	Airflow
HR200C1003	Aluminum cross flow	214 cfm <sup>a</sup>

<sup>a</sup> Refer to HVI Certified Ventilation Performance diagrams above.



Feb-16-98 06:35P

Post-It™ brand fax transmittal memo 7671 # of pages &gt; 1

EB 17 '98 10:02

P. 01



Storage Products Mfg., Inc.

To	Bill Smith	From	Mark G. Goble
Co.	Chapman	Co.	Coastal
Dept.		Phone #	7751100
Fax #	7751369	Fax #	7751139

4530 LIBERTY DR.  
PHONE: 248-674-9070WIXOM, MI 48393  
FAX: 248-624-9072

February 18, 1998

Inplant Offices Inc  
3555 Scarlet Oak Blvd.  
St. Louis, MO 43122-6800

Dear Steve,

In response to your inquisition about the order shipping to Coastal Equipment Corporation or any of our standard stairways, there was a concern about the strength of the 3/8 inch bolts supplied to fasten the staircases was not sufficient.

Calculating a worse condition scenario of the application, which is a single-shear lap-joint made with the connection of the 3/16 inch thick angle to bar capping the end of the 10" structural channel with 8 pieces of a 3/8 inch grade 5 bolts, the total allowable load is 6376 lbs.

To calculate this allowable loading we considered the hole which are 1/16-inch larger in diameter than the bolts used. Safe tensile load and efficiency was determined by design stresses of 8500 psi. per structural design standards.

Considering this worse case scenario, the staircase is a dead load of 1245 lbs which allows 5130# of live load. Over and above the criteria used, the structural channel at the bottom of the staircase is resting directly on the floor therefore the bolts are merely used as a position restraint for the anchoring brackets. At the top of the staircase the shear forces are reduced by approximately 40% (if the bottom of the staircase is properly anchored) due to the pivot and triangulation effect created by the anchors at the bottom of the staircase. The actual vertical load applied at this position becomes 60% vertical and 40% horizontal.

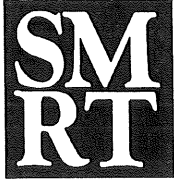
In conclusion, using standard structural design criteria, the hardware supplied is more than sufficient for the application.

Your truly,

Adrian Stelmach  
Vice President, Engineer

Manufacturers of RivMax Boltless Shelving





## Architecture

## Engineering

## Planning

144 Fore Street/P.O. Box 618  
Portland, Maine 04104  
Tel. (207) 772-3846  
Fax (207) 772-1070  
e-mail: rbail@smrtinc.com

2051 Main Street/Suite 102  
Sarasota, Florida 34237  
Tel. (941) 955-9883  
Fax (941) 955-9893  
e-mail: SMRTFL@aol.com

DATE: February 24, 1998  
TO: Janet Hansen  
FROM: Russ Bailey *RTB*  
RE: Chapman Passivator Area - Ventilation of Additional Rooms  
SMRT Project No. 97060-02  
cc: IAM, file 97060-26

---

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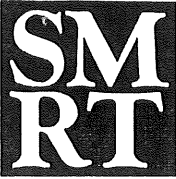
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1. Bill Smith called 2/17/98 stating that the Building Inspector, during a pre-construction walk-thru, noticed that the three interior rooms 105, 106 and 107 were not provided with a means of ventilation. The Inspector, Mr. Mer Leary, stated that the building code requires that these rooms be ventilated. Bill stated that these rooms were added to the project after the building permit was issued. RTB and BS discussed the possible solutions, including continuous exhaust, removing the doors for natural ventilation, and exhaust to the ceiling

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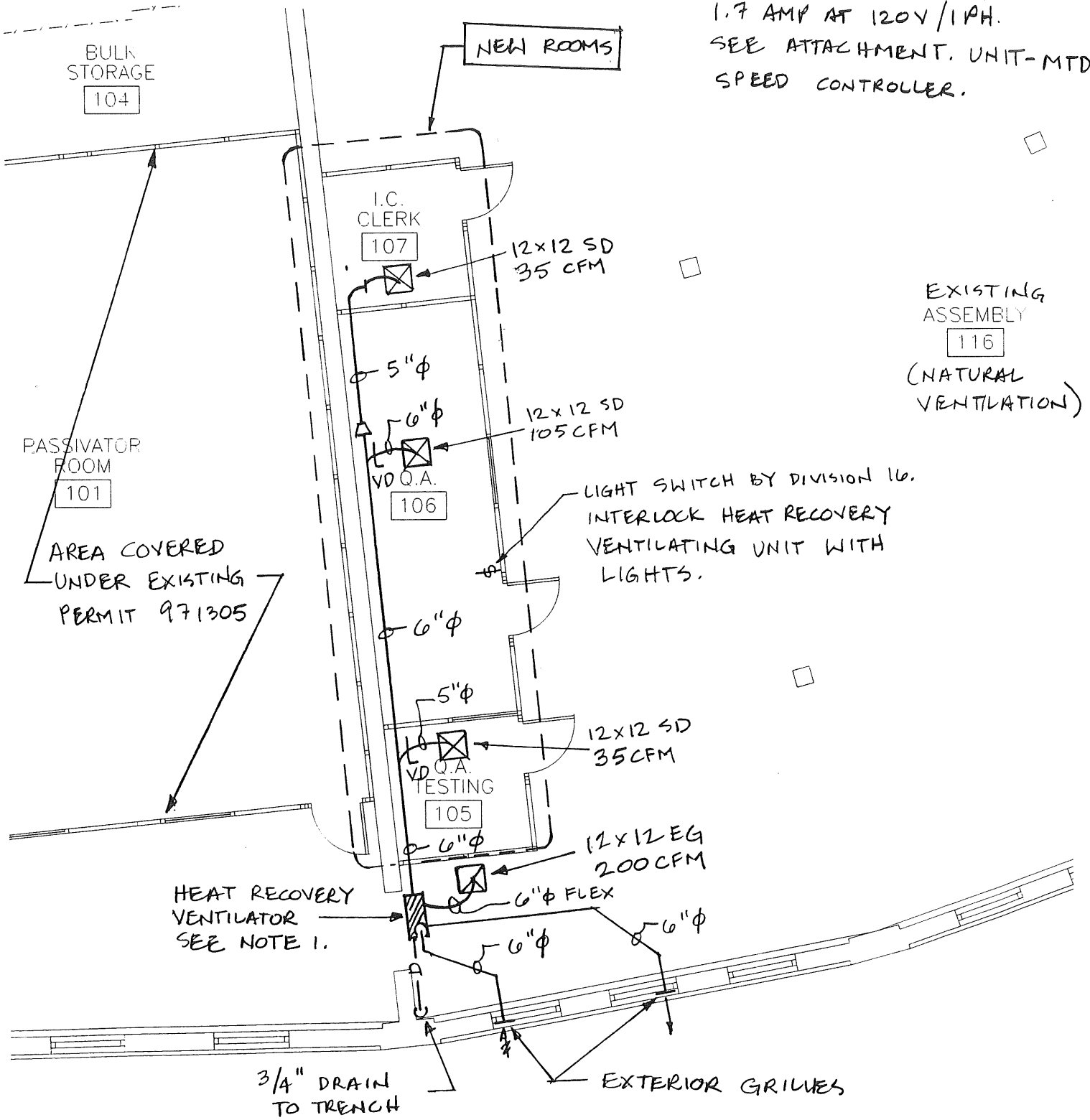
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CHAPMAN PASSIVATOR ROOM  
(ADDENDUM)  
2/24/98 - BAILEY  
1/8" = 1'-0"

NOTES

- HEAT RECOVERY VENTILATOR ABOVE CEILING, HONEYWELL HR200C, 184 CFM OUTSIDE AIR AT 0.4" SP. 1.7 AMP AT 120V/1PH. SEE ATTACHMENT. UNIT-MTD. SPEED CONTROLLER.



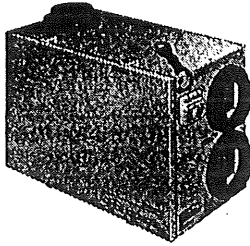
HONEYWELL HEAT RECOVERY VENTILATOR  
 CHAPMAN PASSIVATOR ROOM  
 SMRT, INC.  
 2/24/98 - BAILEY

**NEW!**

## HR200C Perfect Window™ Fresh Air Ventilation Systems

Heat recovery ventilators provide proper levels of ventilation with energy savings by transferring heat between the exhaust and fresh air streams.

- Includes heat transfer core, prefilters, fan and blower assembly and defrost.
- Provides ventilation that helps contractors meet ASHRAE 62-89.
- Automatic, economical built-in defrost for operation to design temperatures of -40 F [-40 C].
- Electronic ventilation fan timer option.
- Low voltage, high-speed override.

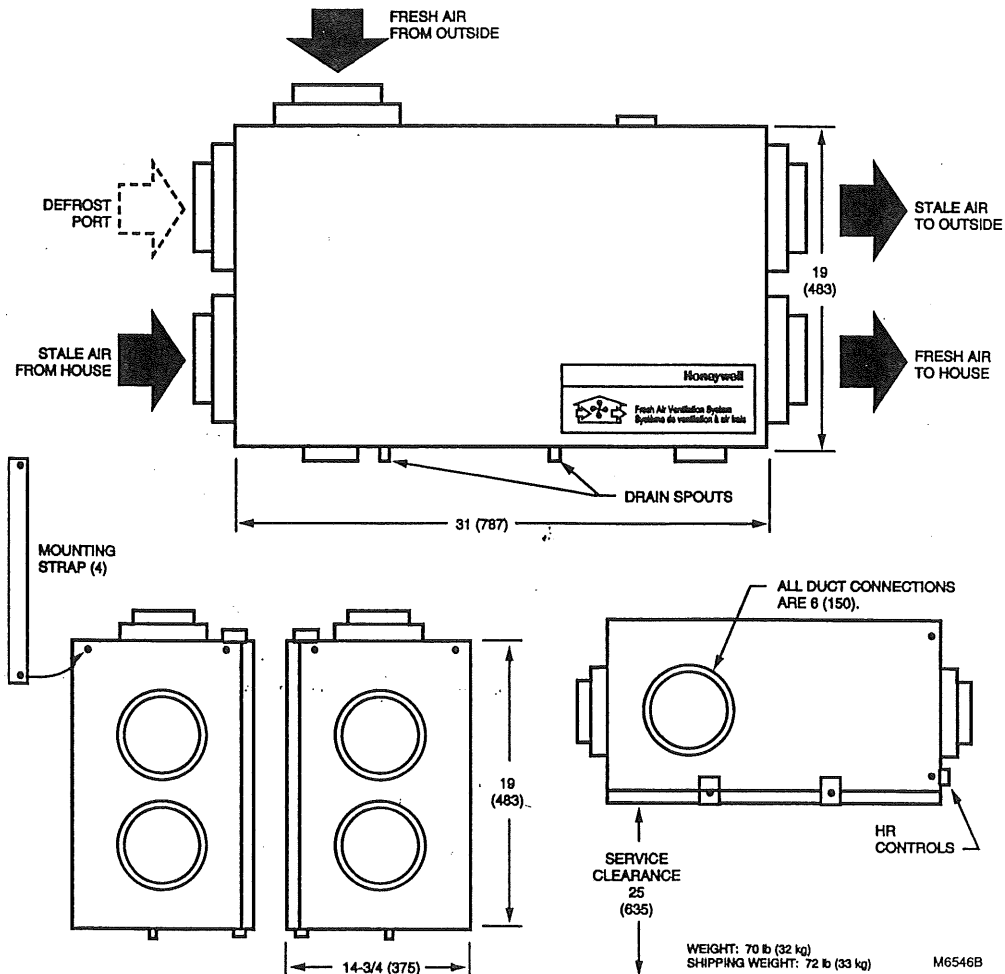


- Microprocessor speed control.
- Stale air is not recirculated while the ventilator is in the defrost mode.
- Easy-to-clean cross-flow core assures years of trouble-free operation.
- Insulated cabinet.
- Rugged steel cabinet.
- Quiet operation.
- Permanent (washable) prefilters.
- Includes vibration isolation hardware and duct collars.

**APPROVAL BODIES:**

Home Ventilation Institute certified.  
 Canadian Standards Association approved.  
 ETL certified to U.L. 1812.

HR150; HR200 dimensions in in. (mm).



*continued next page*

# Ventilation Systems

HR150C; HR200C continued

**ELECTRICAL RATINGS:**

Power Rating: 120 Vac, 60 Hz.

Consumption:

Model	Nominal Current (A)	
	HR150	HR200
Minimum Speed	0.7	0.8
Maximum Speed	1.7	1.7

MAXIMUM TEMPERATURE RECOVERY: 80%.

SENSIBLE EFFICIENCY (PERFORMANCE PER CAN/CSA-C439-88):

Low Speed at 32 F [0 C]: 68%

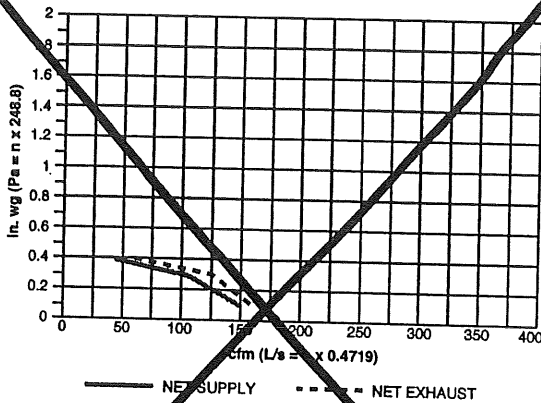
High Speed at 32 F [0 C]: 62%.

Low Speed at -13 F [-25 C]: 60%.

MOUNTING: Mounts in conditioned space such as basement, utility room, hallway or closet. Can also be mounted in a conditioned attic space.

INSTALLED WEIGHT: 70 lb. [32 kg].

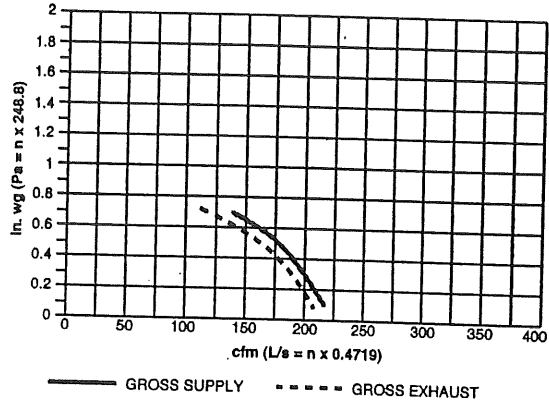
HR150 HVI Certified Ventilation Performance.



**HR150 VENTILATION PERFORMANCE**

EXT STATIC PRESSURE	(pa)	(in. wg)	NET SUPPLY AIR FLOW		GROSS AIR FLOW			
			(L/s)	(cfm)	SUPPLY		EXHAUST	
					(L/s)	(cfm)	(L/s)	(cfm)
25	.1	50	150	71	150	78	165	
50	.2	63	133	63	133	69	146	
75	.3	51	108	51	108	61	129	
100	.4	22	47	22	47	30	64	

HR200 HVI Certified Ventilation Performance.



**HR200 VENTILATION PERFORMANCE**

EXT STATIC PRESSURE	(pa)	(in. wg)	NET SUPPLY AIR FLOW		GROSS AIR FLOW			
			(L/s)	(cfm)	SUPPLY		EXHAUST	
					(L/s)	(cfm)	(L/s)	(cfm)
.25	.1	101	214	102	216	97	206	
50	.2	97	206	98	208	93	197	
75	.3	91	193	93	197	88	186	
100	.4	87	184	88	186	82	174	
125	.5	80	170	81	172	75	159	
150	.6	73	155	74	157	67	142	
175	.7	64	137	65	138	54	114	

Order Number	Core Type	Airflow
HR200C1003	Aluminum cross flow	150 cfm <sup>a</sup>
HR200C1003	Aluminum cross flow	214 cfm <sup>a</sup>

<sup>a</sup> Refer to HVI Certified Ventilation Performance diagrams above.

SHEET NO. 4 OF \_\_\_\_\_ JOB NO. \_\_\_\_\_

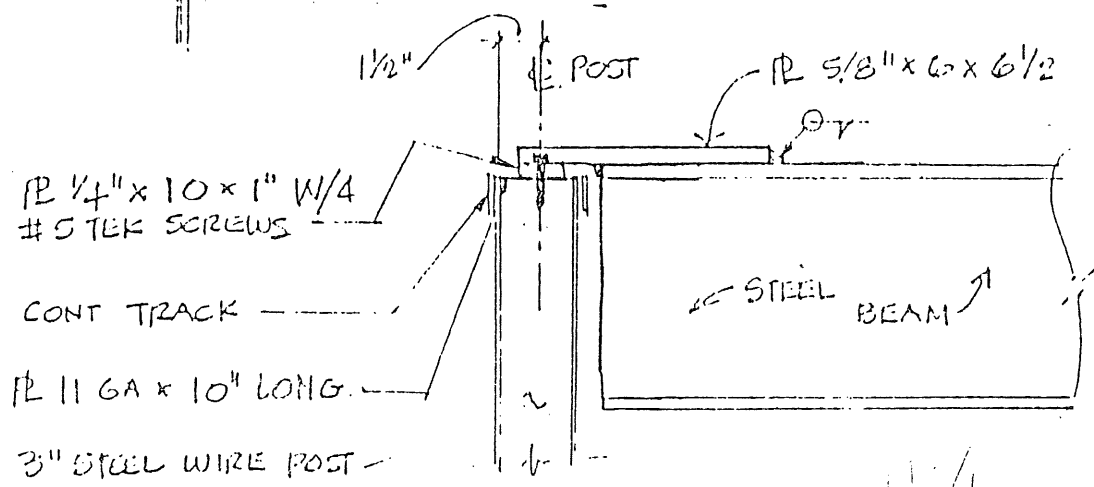
SUBJECT LINE  
3" WIRE POST.

TITLE 3" STEEL POST  
LOGS ARE WELD-FORMED

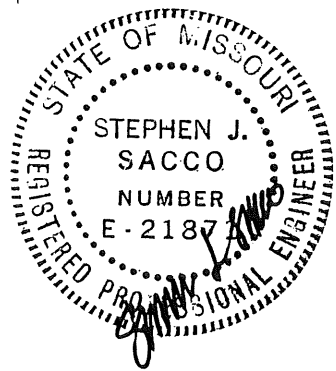
BY SJS DATE 1-15-92 CHECKED \_\_\_\_\_ DATE \_\_\_\_\_

### LOAD SUMMARY CHART (KIIPS)

HEIGHT	ALLOWABLE AXIAL CONCENTRIC LOAD
8'-0"	12.4
9'-0"	9.8
10'-0"	7.9
11'-0"	7.6
12'-0"	5.5



SECTION  
(HTS)



# \* 1st Floor \*

## Wall Panels :

1. Wall Panels will be 3" thick with  $\frac{1}{8}$ " vinyl covered  
Hardboard on both sides of a polystyrene core.  
Wiring posts will be 16 ga painted steel  
Panel HGT = 120"

Panel color = white Int / Beige Ext

2. Windows: (3)  $\frac{1}{4}$ " tempered safety glass.

3. Doors: (2) 3068 insulated steel with  $\frac{1}{4}$ " temp  
half glass. (Door 2 From PTD. Black)

Doors: (1) 6068 insulated steel Double Door with  
 $\frac{1}{4}$ " temp half glass. (PTD. Black)

4. Ceiling:  $\frac{5}{8}$ " Mineral Board.

5. Roof Deck: 22 ga  $1\frac{1}{2}$ " "B" Deck.

6.  $\frac{3}{4}$ " PLYWOOD = (1270 SF)

7. Roof Deck support Beams = (125\*PSF)

JOB NO.

11-8496

 Inplant Offices, Inc.

1555 SCARLET OAK BLVD. ST. CATS, MD 61122-6600 (314) 225-2010

TITLE:

Coastal Equip

DRAWN BY:

RTF

DATE: 10-28-97

CHECKED BY:

REVISED:

MATERIAL LIST

SHEET NO. 1 OF 2

NOTES:

# \* 2nd Floor \*

## Wall Panels

1. Wall Panels 1 3/4" Thick with 1/8" vinyl covered hardboard on both sides of a polystyrene core. Wiring posts will be 1/2" galv. painted steel.

Panel HGT = 96"

Panel color = white Int / Beige Ext

2. Windows : (3) 1/4" temp. safety glass.

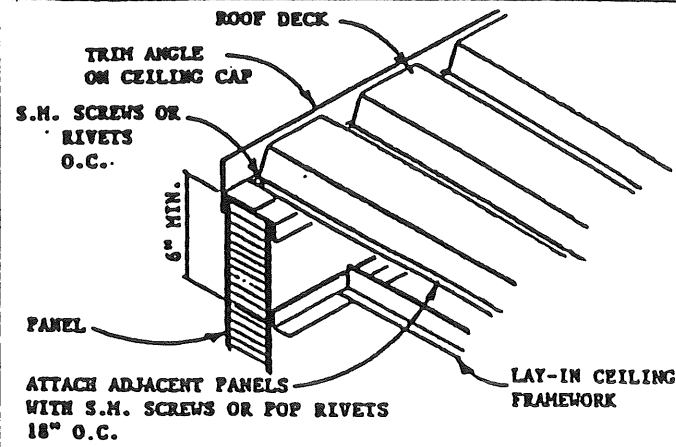
3. Door : (4) 3068 insulated steel with 1/4" temp. half glass (Door & Frame pTD Black)

4. Ceiling (16 x 30 area only) 5/8" mineral Board.

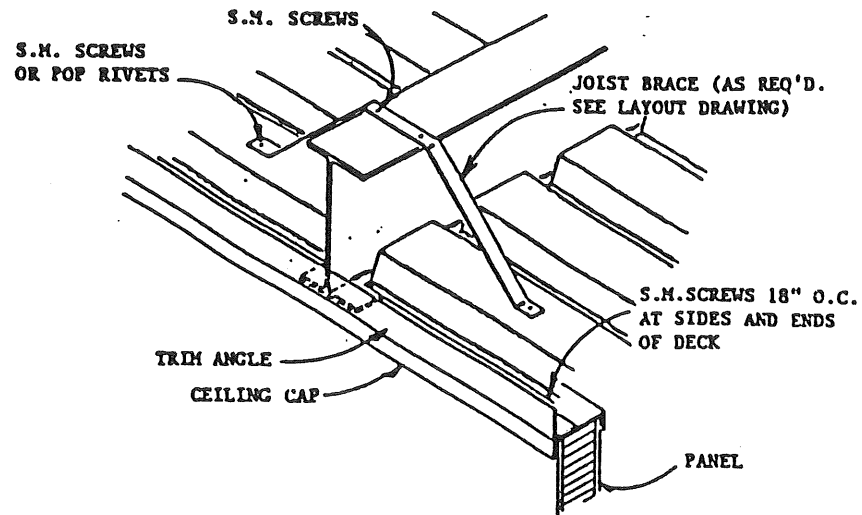
5. OSHA stair & Landing 4' x 8'

	JOB NO. 11-8446	<b>ENR Inplant Offices, Inc.</b> <small>3555 SCARLETT OAK BLVD. ST. LOUIS, MO 63122-6600 (314) 225-2010</small>	
NOTES: <hr/> <hr/> <hr/> <hr/>	TITLE: Coastal Equip		DATE: 10-28-97
	DRAWN BY: RTF		REVISED:
	CHECKED BY:		SHEET NO. 2 OF 2
	MATERIAL LIST		

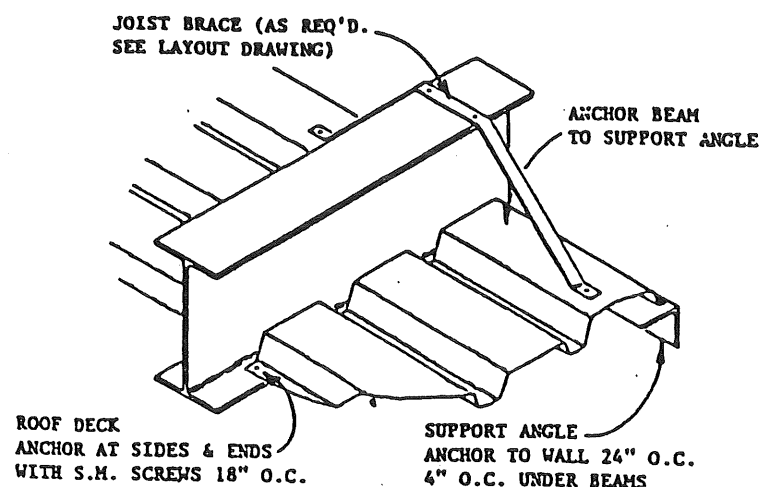




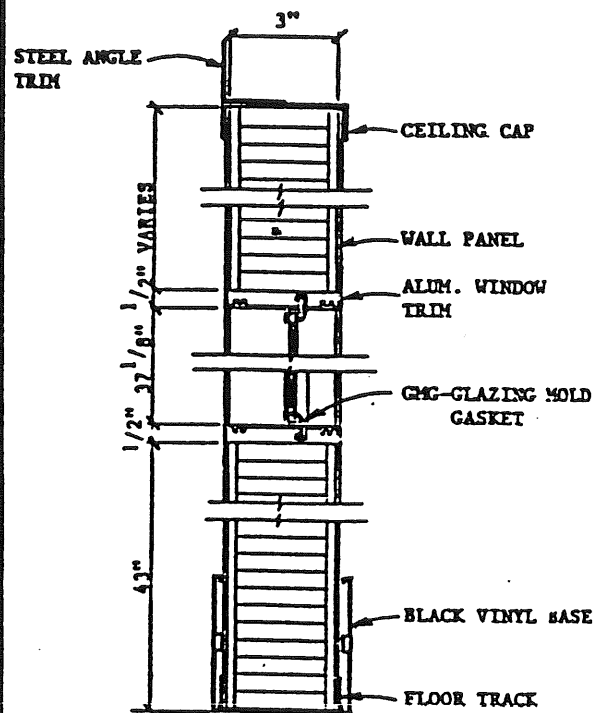
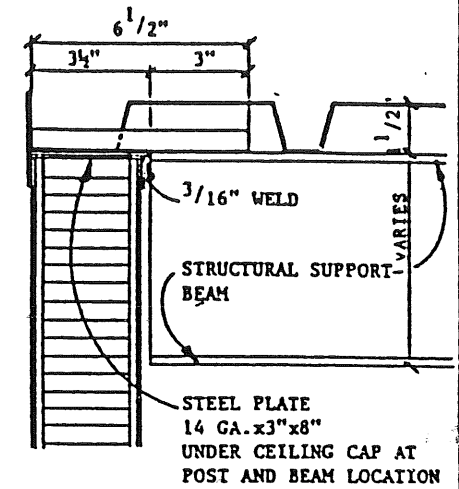
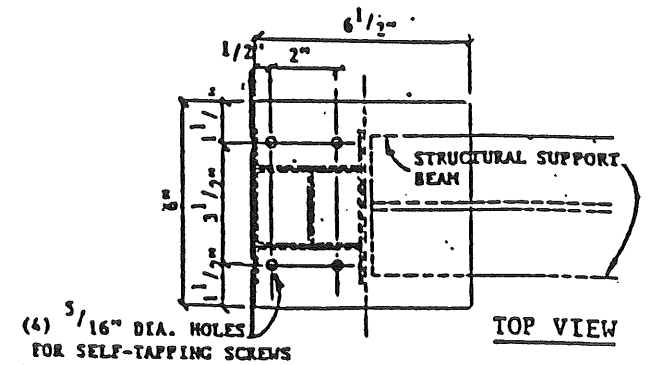
ROOF DECK AT CEILING CAP



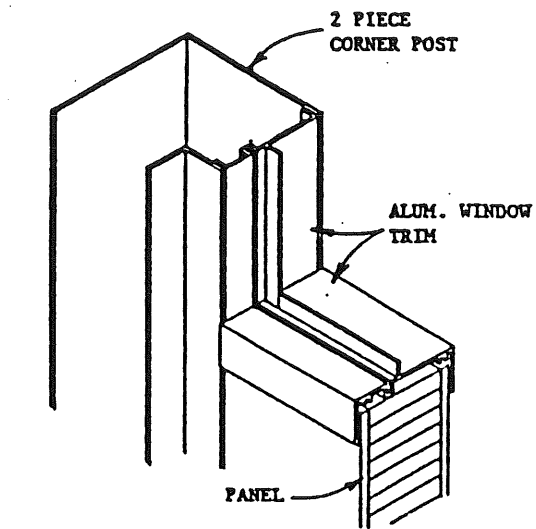
DECK SUPPORT ABOVE CEILING CAP



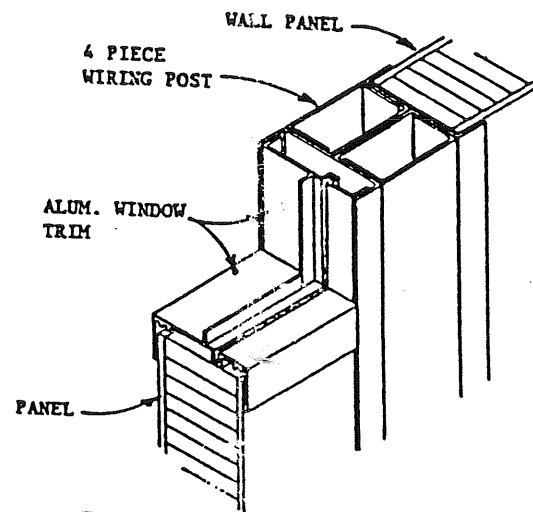
SUPPORT ANGLE (AT EXISTING WALLS)



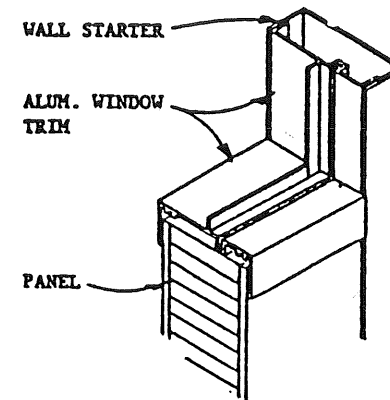
(A) WALL SECTION



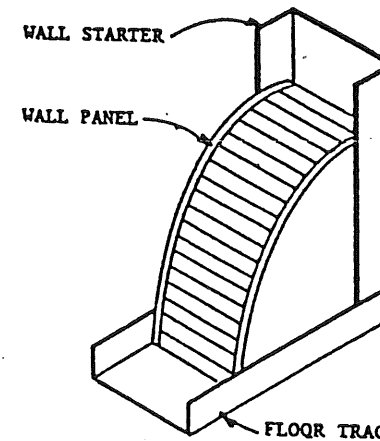
(C) WINDOW AT CORNER POST



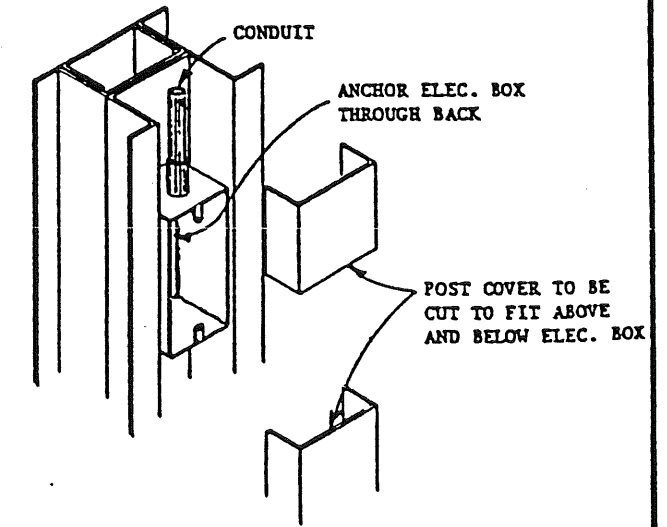
(E) WINDOW AT WIRING POST



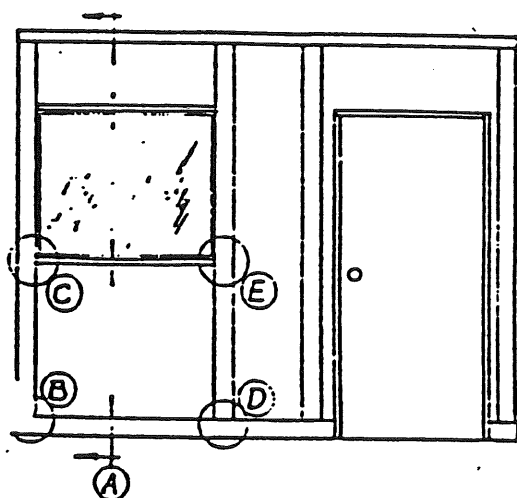
WINDOW AT WALL STARTER



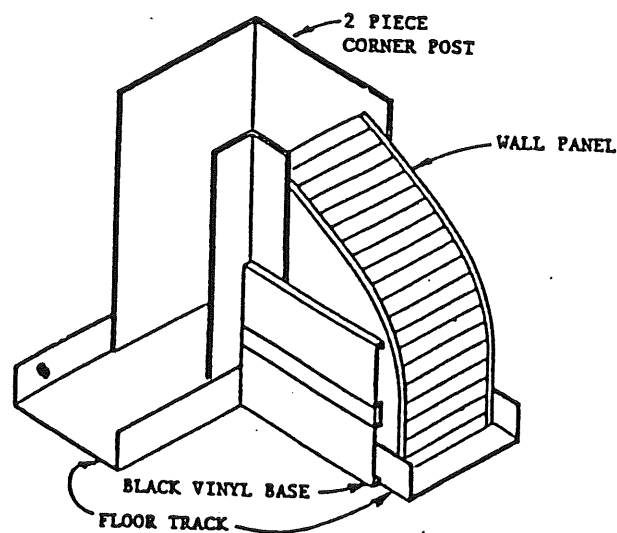
WALL STARTER



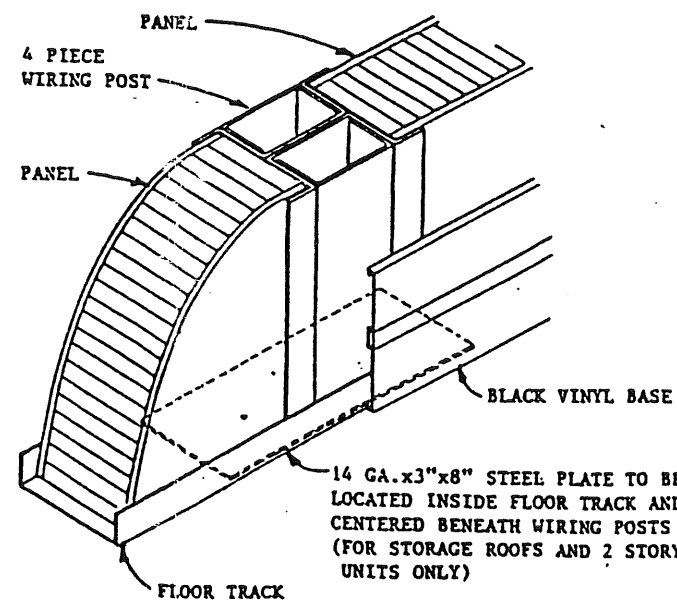
ELECTRIC BOX IN WIRING POST



TYPICAL ELEVATION



(B) CORNER POST



(D) WIRING POST AT BASE

Inplant Offices, Inc.

1000 ULTIMA DR. FULTON, MO 63028 (314) 343-1118

TITLE:

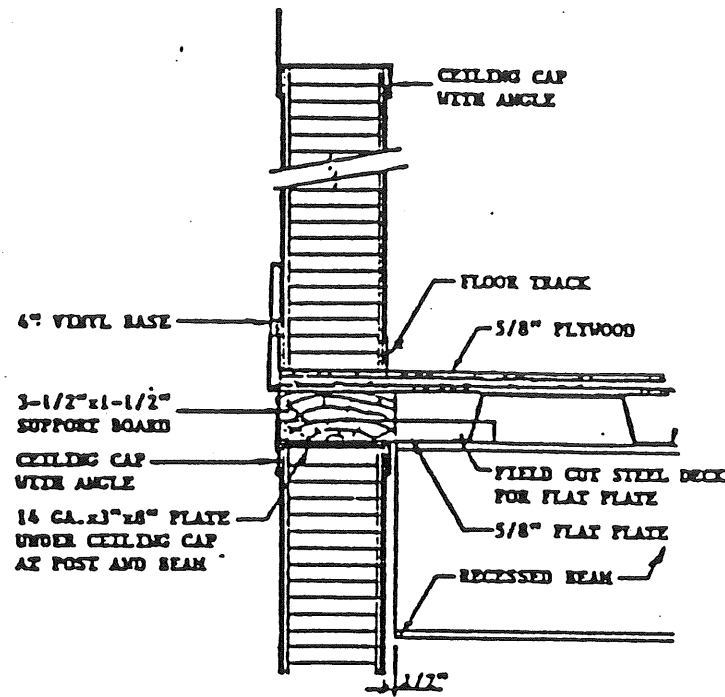
INPLANT 3" STEEL

DRAWN BY: DCK

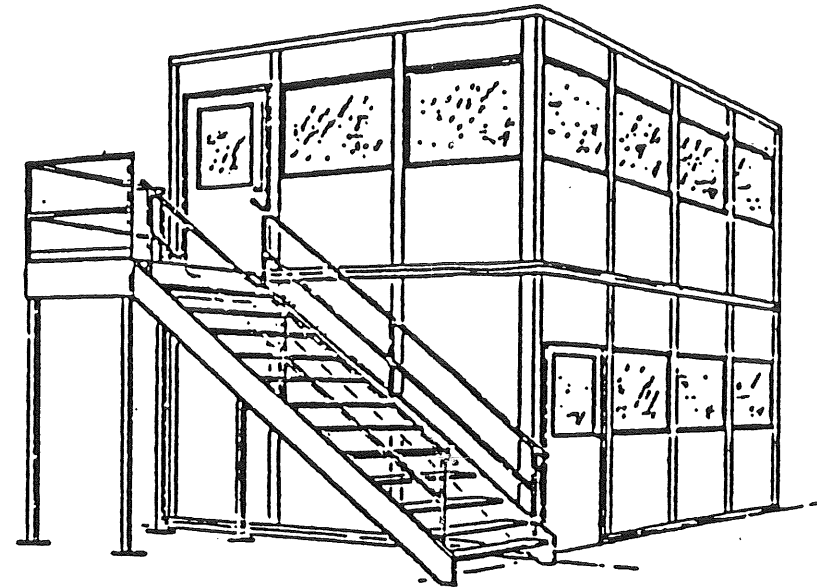
DATE: 7-88

REVISED:

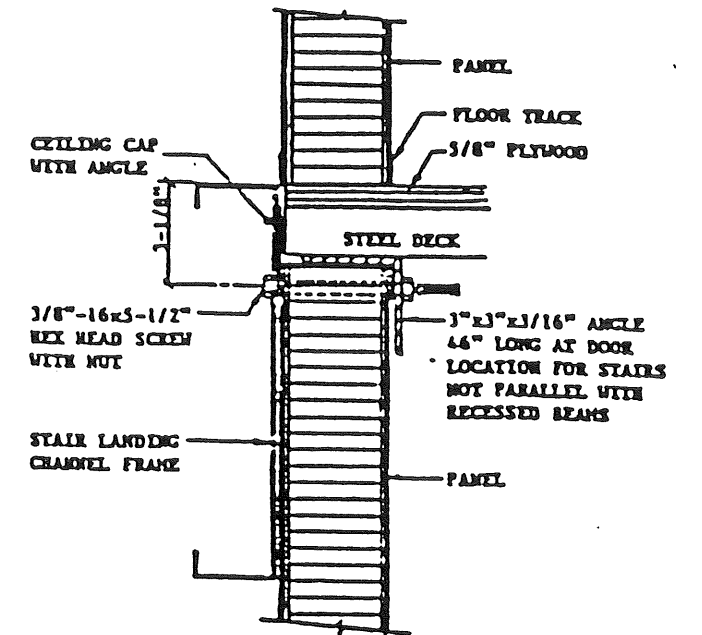
SHEET NO. 1 OF 1



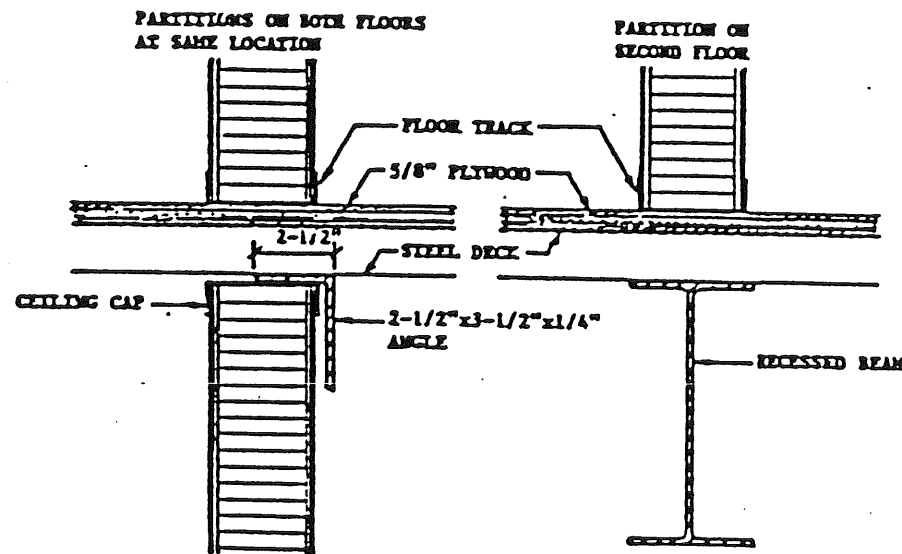
WALL SECTION AT BEAM



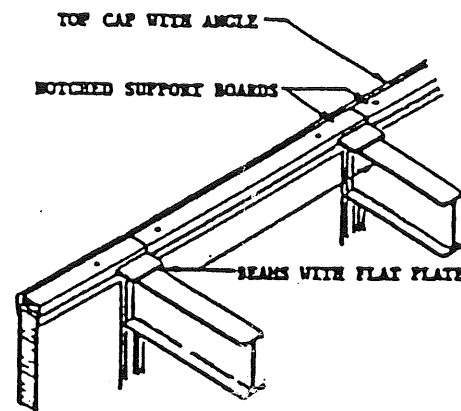
INPLANT 3" TWO-STORY



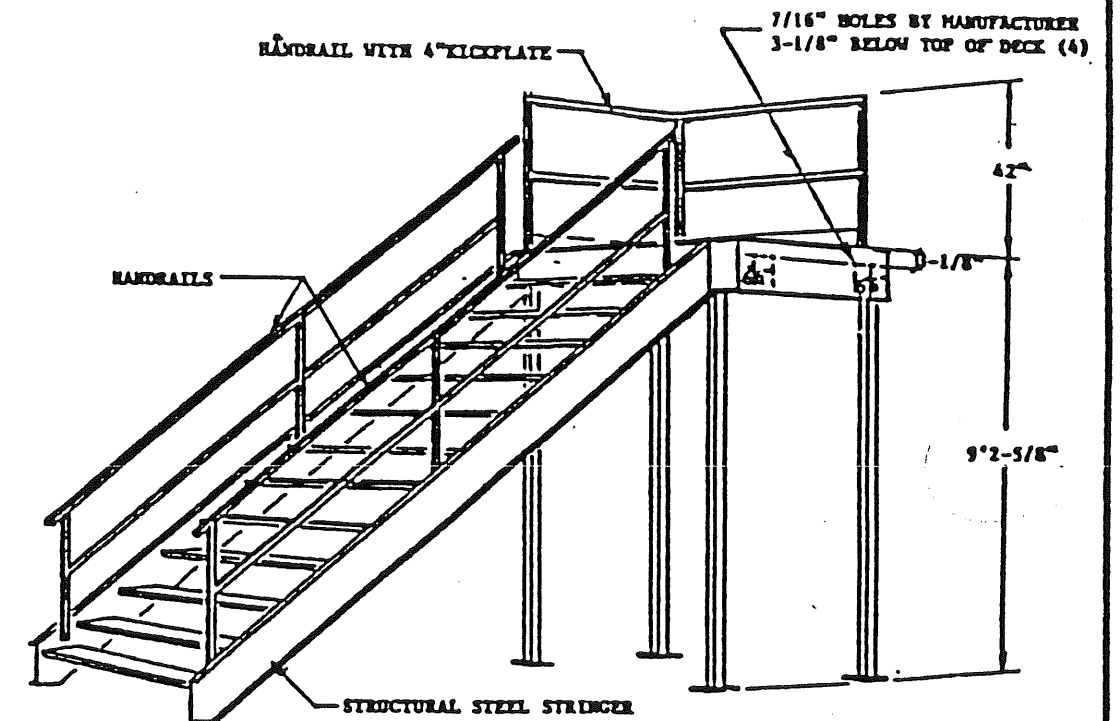
STAIR LANDING CONNECTION



INTERIOR PARTITIONS



SUPPORT BOARD INSTALLATION



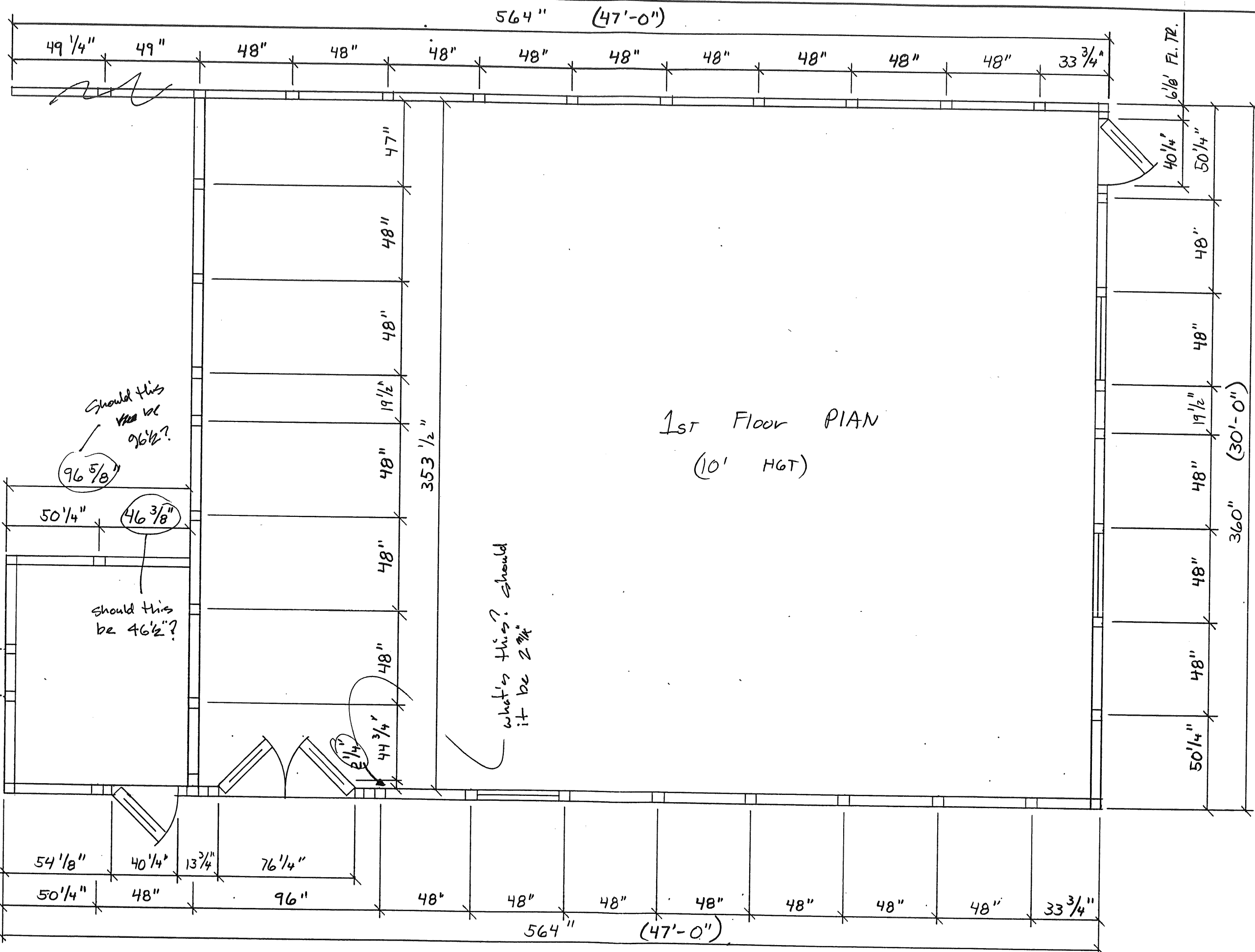
STAIRS AND LANDING

**NOTES:**

FOLLOW INSTRUCTIONS FOR ERECTION OF BOTH FLOORS WITH THE FOLLOWING ADDITIONS:

1. PLACE 14 GA. STEEL PLATES IN FLOOR TRACK AND UNDER CEILING CAP AT ALL WIRING POSTS AND CORNER POSTS (SEE INSTRUCTIONS AND WALL SECTION AT BEAM).
2. ATTACH RECESSED BEAMS TO CEILING CAP AND STEEL PLATE WITH SCREWS PROVIDED.
3. ATTACH SUPPORT BOARDS BETWEEN BEAM LOCATIONS WITH #12-24x2-1/2" PHILLIPS FLAT HEAD TEKS (2 PER SUPPORT BOARD).
4. ATTACH 3"x3"x3/16" ANGLE ON WALLS PARALLEL WITH RECESSED BEAMS WITH #10-16x3/4" SELF-TAPPING SCREWS.
5. LAY DECKING AND PLYWOOD AS SHOWN ON DETAILS AND DRAWINGS.
6. ERECT SECOND FLOOR AS PER INSTRUCTIONS.

<b>Inplant Offices, Inc.</b>	
<small>1000 DILLON DR. FERTON, MO 63028 (314) 343-1118</small>	
TITLE:	<b>Inplant TWO-STORY</b>
DRAWN BY: DCK	DATE: 5-88
REVISED:	SHEET NO. <u>1</u> OF <u>1</u>



1st Floor PLAN  
(10' HGT)

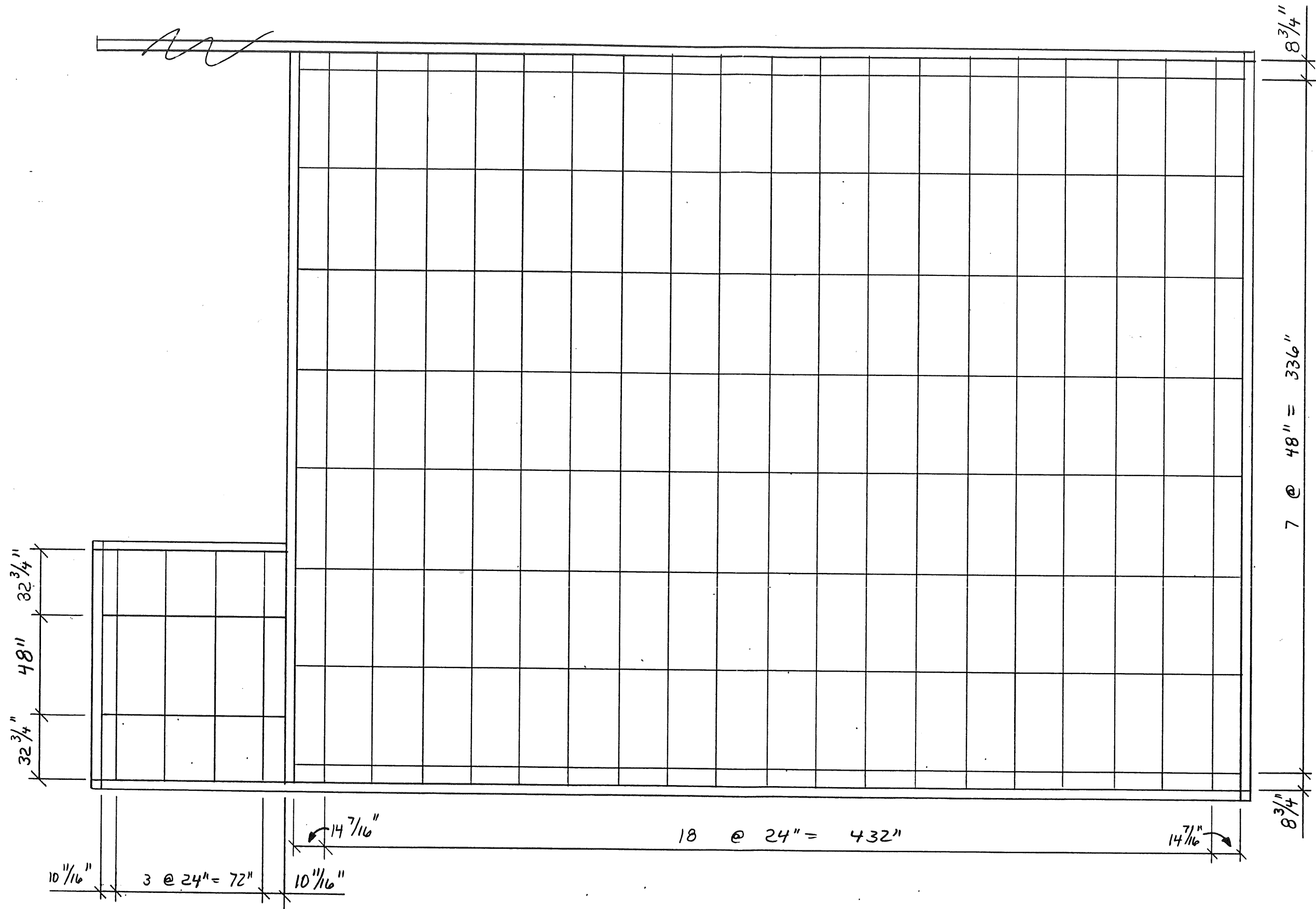
**INPLANT OFFICES INC.**  
3555 Scarlet Oak Blvd.  
ST. LOUIS, MO 63122-6600

Coastal Equipment Corp  
Implant 3' 5P

11-8446  
10-28-97

1 of 7

(1/4" = 1'-0")



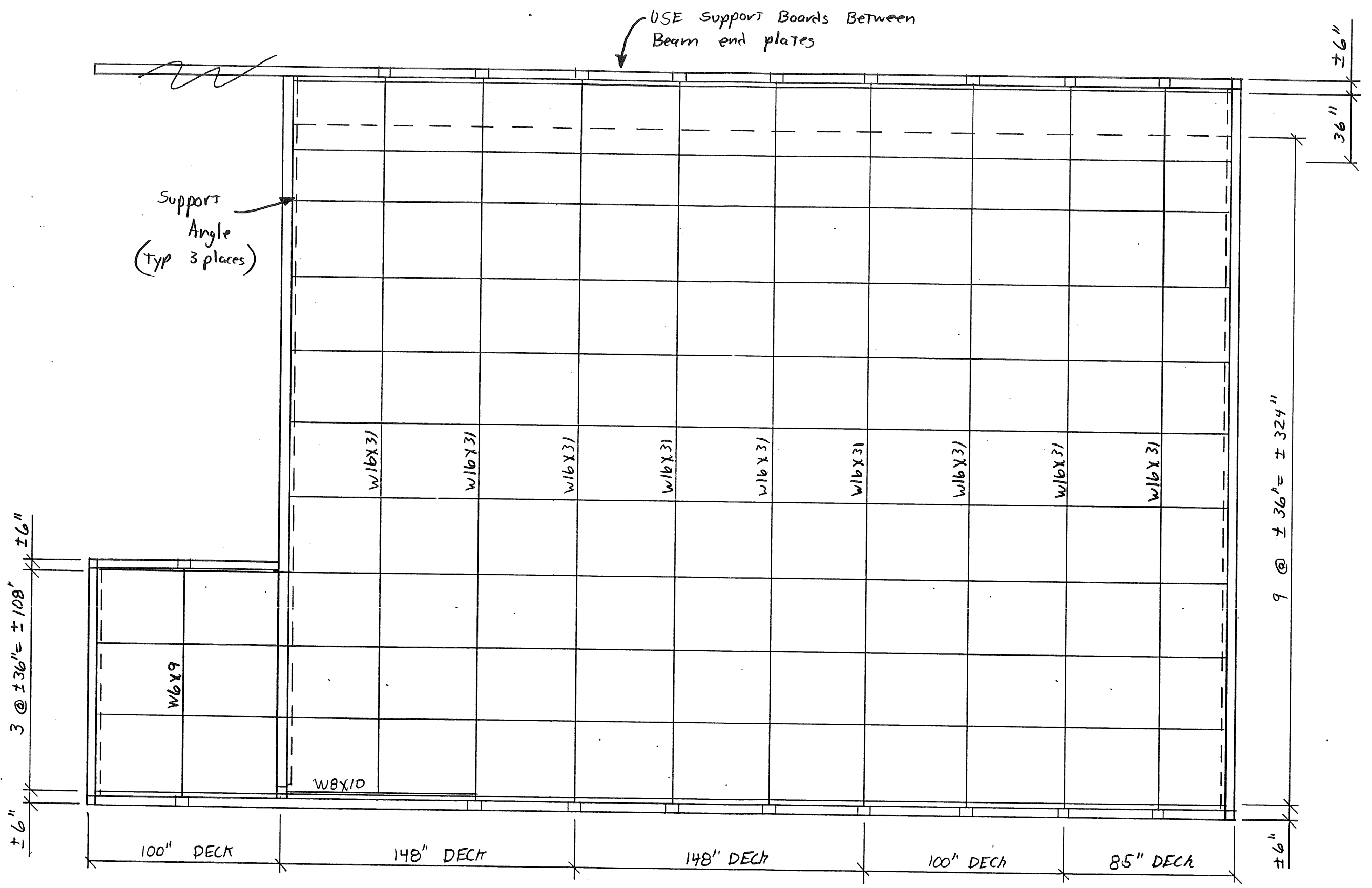
(1/4" = 1'-0")

**INPLANT OFFICES INC.**  
 3555 Scarlet Oak Blvd.  
 ST. LOUIS, MO 63122-6600

Coastal Equipment Corp  
Inplant 3" SP

11-8446  
10-28-97

2 of 7



Beam & DECKING PLAN  
(125 # PSF Loadbearing)

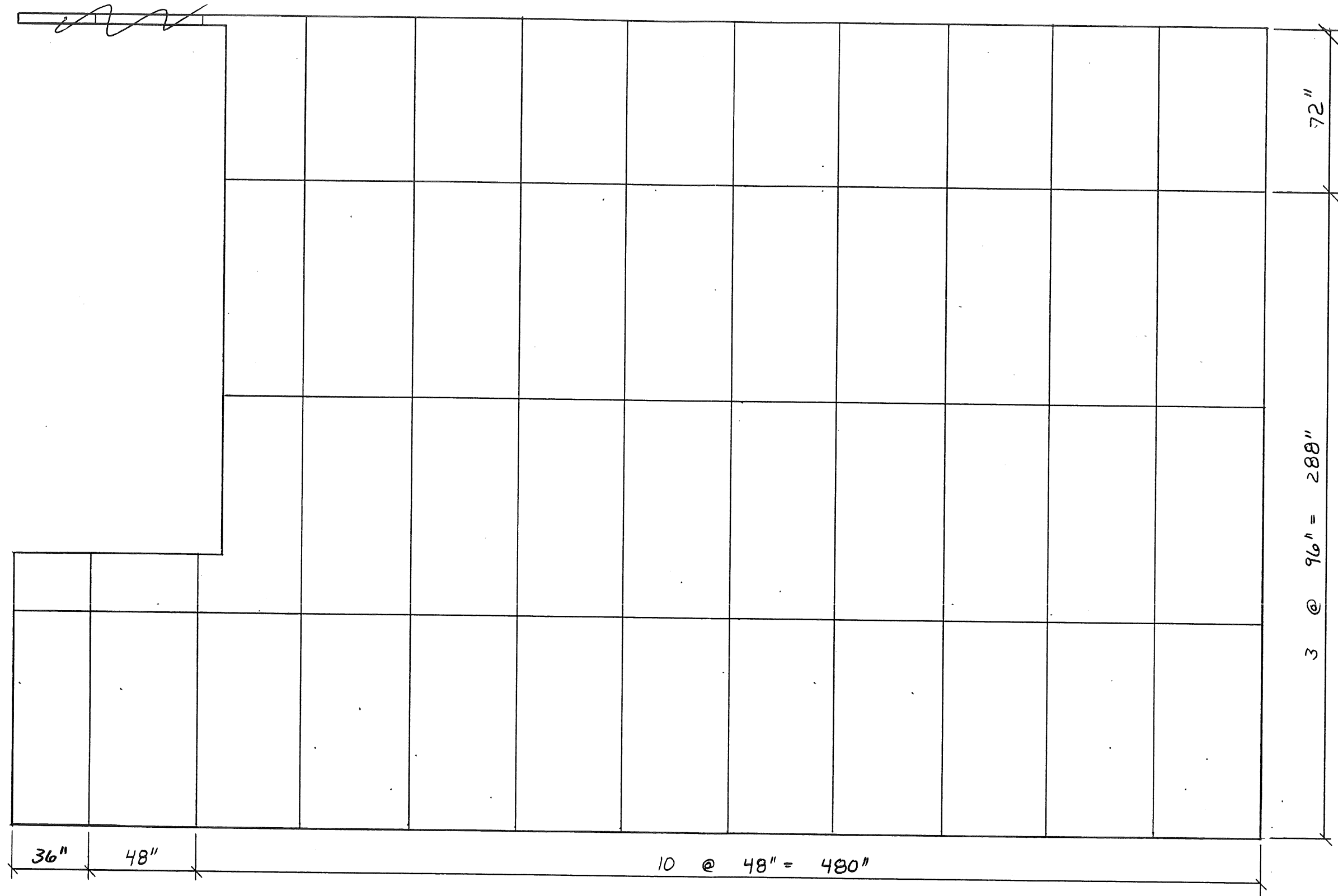
(1/4" = 1'-0")

**INPLANT OFFICES INC.**  
3555 Scarlet Oak Blvd.  
ST. LOUIS, MO 63122-6600

Coastal Equipment Corp  
Traylor 30 50

11-8444  
10-28-97

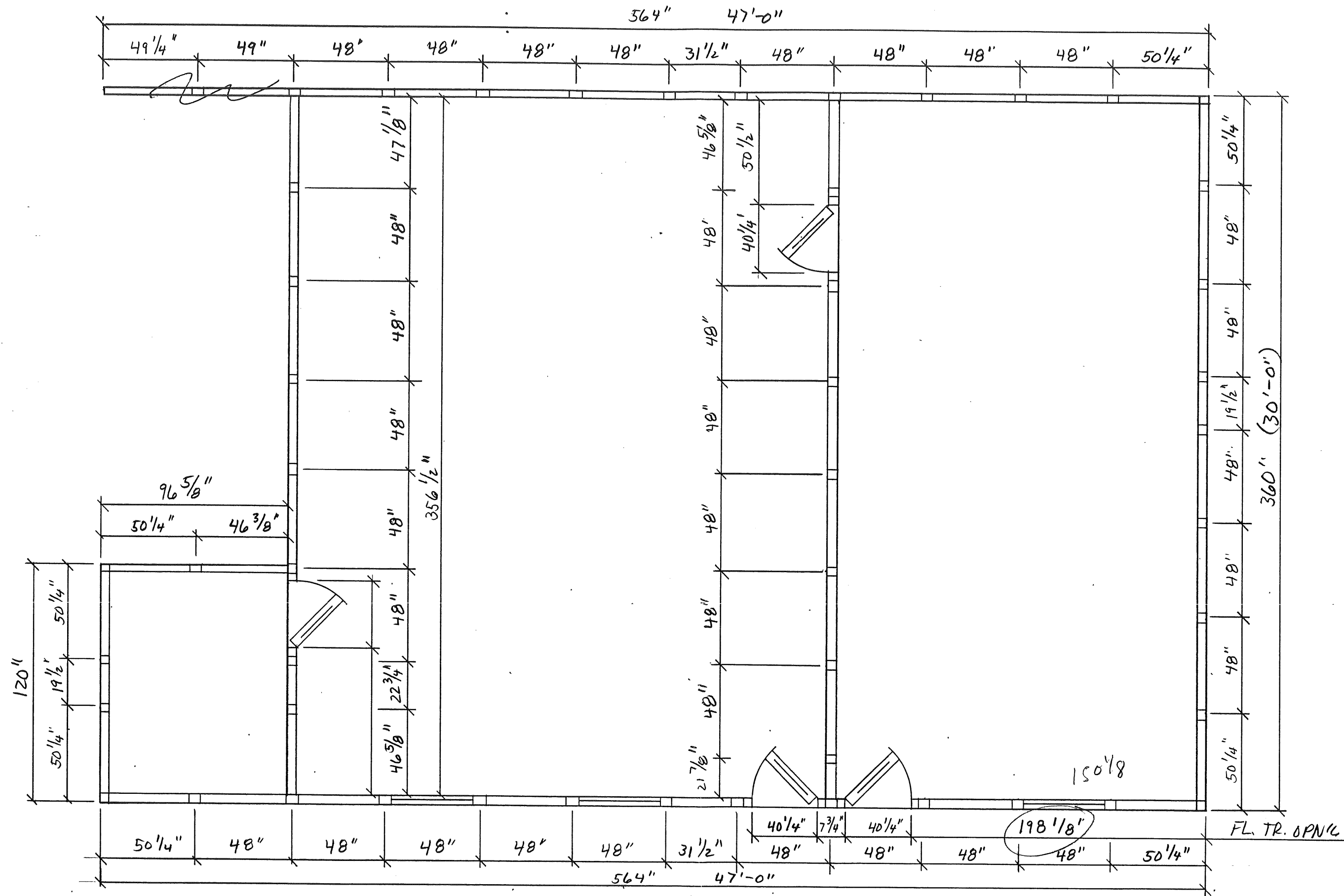
3 of 7



3/4" F/R PLYWOOD

(1/4" = 1'-0")

<p><b>INPLANT OFFICES INC.</b>          3555 Scarlet Oak Blvd.          ST. LOUIS, MO 63122-6600</p>	<p><u>Coastal Equipment Corp</u>  <u>Truplant 3' 5P</u></p>	<p><u>11-8446</u>  <u>10-28-97</u>  <u>4 of 7</u></p>
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2nd Floor PLAN  
(8' - HGT)

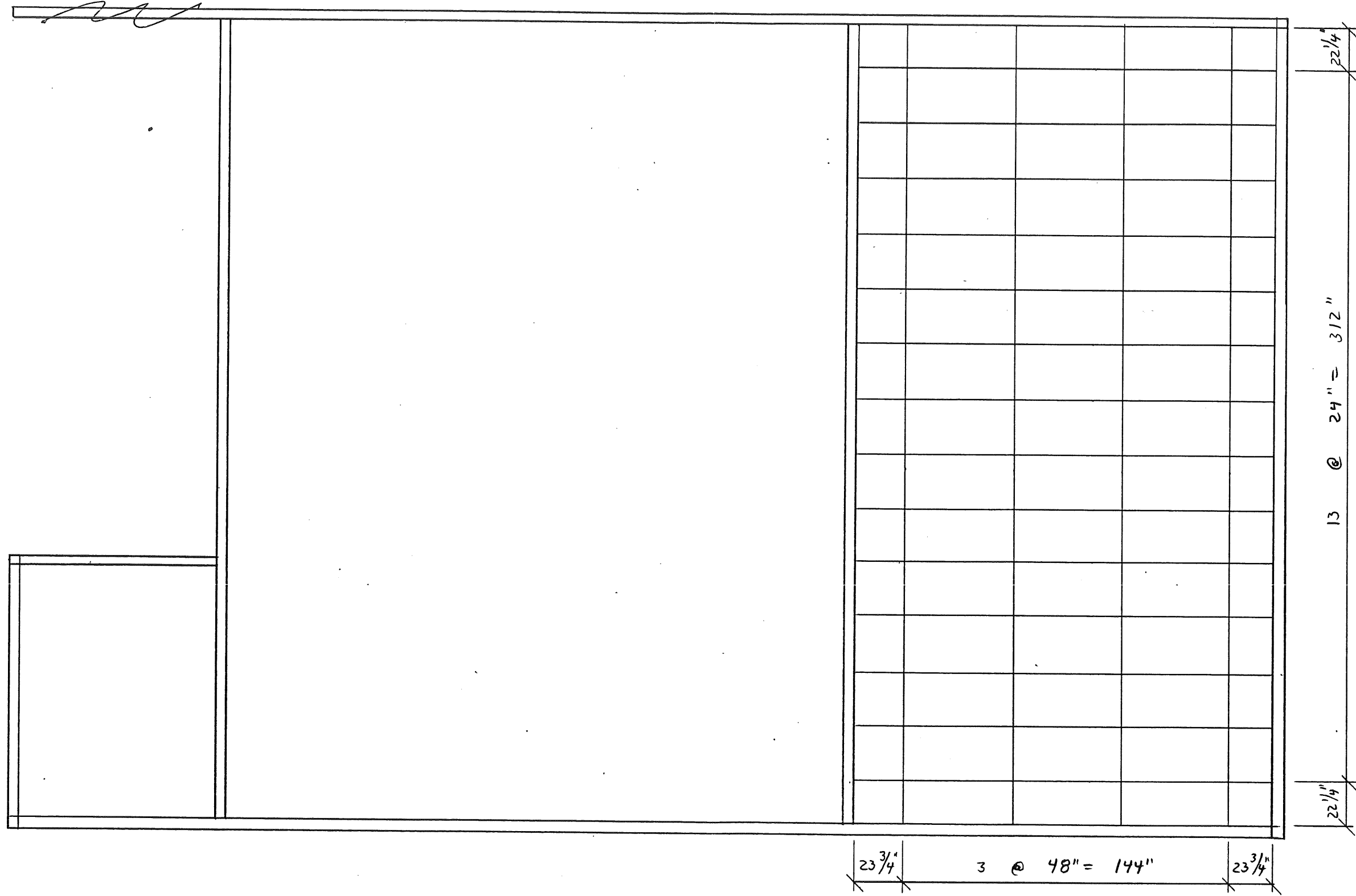
(1/4" = 1'-0")

INPLANT OFFICES INC.  
3555 Scarlet Oak Blvd.  
ST. LOUIS, MO 63122-6600

Coastal Equip. Corp  
Englan, 3" Sr

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Sheet 7



2nd Floor Ceiling PLAN

(1/4" = 1'-0")

**INPLANT OFFICES INC.**  
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Coastal Equipment Corp

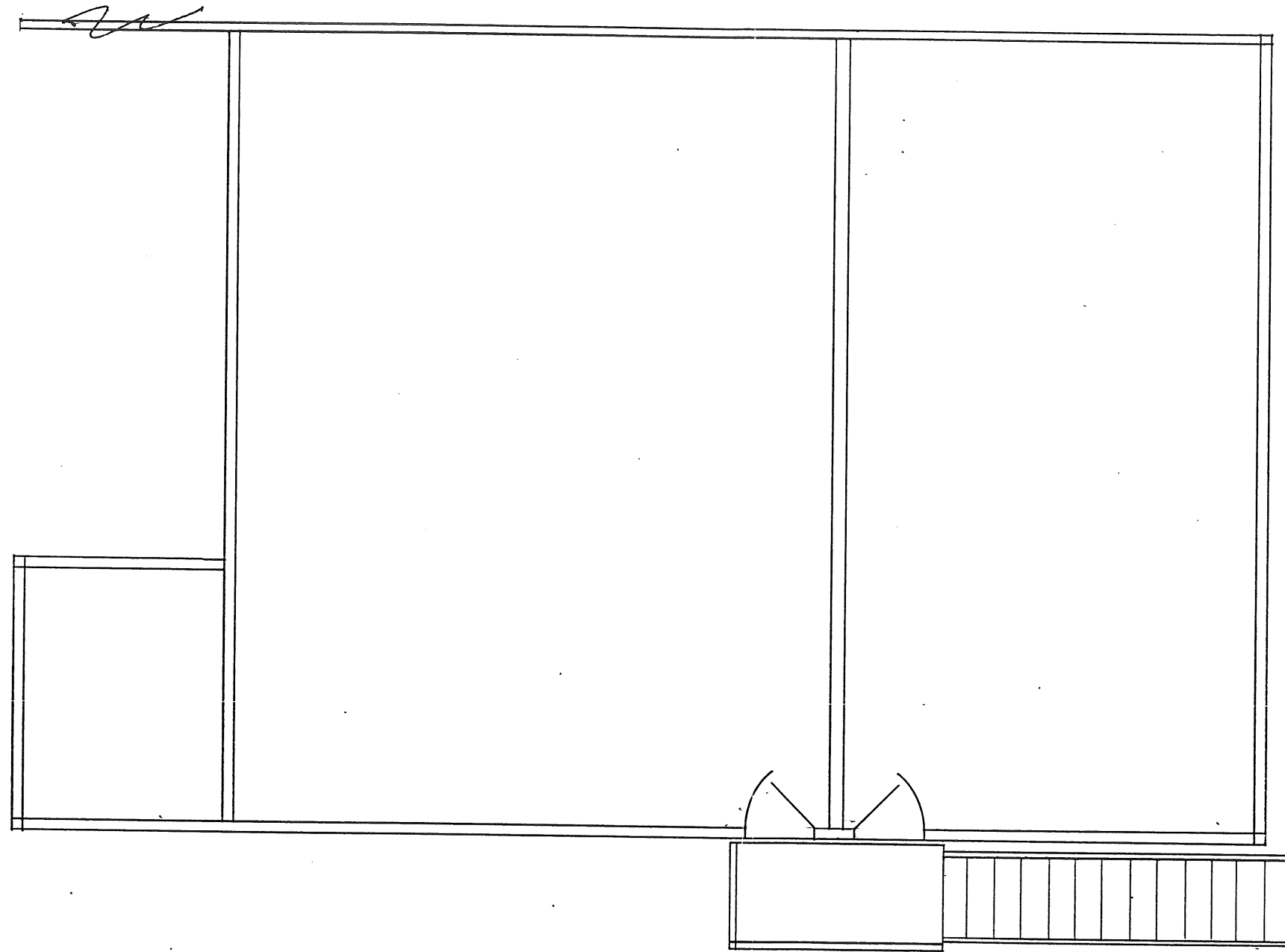
Englwa 31 SP

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10-22-97

6 of 7





STAIR & LANDING PLAN

(3/16" = 1'-0")

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Coastal Equipment Corp  
 Inplan: 3' 5"

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 10-28-97

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