

# THEODORE LOGAN AND SON OFFICE AND WAREHOUSE FACILITY 34 BLUEBERRY ROAD PORTLAND, MAINE

Issued for Bid / Construction

February 28, 2003

RELEASED FOR BIDS APRIL 14-2003

RELEASED W/ OWNERS AND MISC CHANGES 7-15-03

## Prepared for:

MR. JOHN LOGAN  
OWNER

## ARCHITECT:

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878-8038

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Mechanical Systems Engineers  
Yarmouth, Maine  
207-846-1441

ELECTRICAL ENGINEER  
Elec. Design Consultants  
Long Island Maine  
207-766-5041

### Abbreviations

AF Architect	DF Detail	PA Part	SA Section	WD Wood	WV Wood Veneer
AL Architectural	ES Estimate	PR Price	SC Schedule	WY Wood	WV Wood Veneer
AM Architectural Material	EP Estimate Part	RA Return	SM Sheet	YD Yard	WV Wood Veneer
AN Architectural Note	ES Estimate	RF Roof	SP Splice	YD Yard	WV Wood Veneer
AO Architectural Office	EP Estimate Part	RH Recessed	SR Square	YD Yard	WV Wood Veneer
AP Architectural Panel	ES Estimate	RI Recessed	ST Steel	YD Yard	WV Wood Veneer
AS Architectural Section	ES Estimate	RJ Recessed	TH Tin	YD Yard	WV Wood Veneer
AT Architectural Table	ES Estimate	RK Recessed	TL Tin Lead	YD Yard	WV Wood Veneer
AV Architectural Valve	ES Estimate	RL Recessed	TR Tin Roof	YD Yard	WV Wood Veneer
AW Architectural Window	ES Estimate	RM Recessed	TS Tin Siding	YD Yard	WV Wood Veneer
AX Architectural X-ray	ES Estimate	RN Recessed	TV Tin	YD Yard	WV Wood Veneer
AY Architectural Y-axis	ES Estimate	RO Recessed	TT Tin	YD Yard	WV Wood Veneer
AZ Architectural Z-axis	ES Estimate	RS Recessed	TV Tin	YD Yard	WV Wood Veneer
BA Building Area	ES Estimate	RU Recessed	TY Tin	YD Yard	WV Wood Veneer
BB Building Boundary	ES Estimate	RV Recessed	UA Underlayment	YD Yard	WV Wood Veneer
BC Building Code	ES Estimate	RU Recessed	UB Underlayment	YD Yard	WV Wood Veneer
BD Building Drawing	ES Estimate	RV Recessed	UC Underlayment	YD Yard	WV Wood Veneer
BE Building Element	ES Estimate	RS Recessed	UD Underlayment	YD Yard	WV Wood Veneer
BF Building Foundation	ES Estimate	RU Recessed	UE Underlayment	YD Yard	WV Wood Veneer
BG Building Footing	ES Estimate	RV Recessed	UF Underlayment	YD Yard	WV Wood Veneer
BH Building Frame	ES Estimate	RU Recessed	UG Underlayment	YD Yard	WV Wood Veneer
BI Building Gable	ES Estimate	RV Recessed	UH Underlayment	YD Yard	WV Wood Veneer
BJ Building Girder	ES Estimate	RU Recessed	UI Underlayment	YD Yard	WV Wood Veneer
BK Building Joist	ES Estimate	RV Recessed	UJ Underlayment	YD Yard	WV Wood Veneer
BL Building Lintel	ES Estimate	RU Recessed	UK Underlayment	YD Yard	WV Wood Veneer
BM Building Member	ES Estimate	RV Recessed	UL Underlayment	YD Yard	WV Wood Veneer
BN Building Nail	ES Estimate	RU Recessed	UM Underlayment	YD Yard	WV Wood Veneer
BO Building Note	ES Estimate	RV Recessed	UN Underlayment	YD Yard	WV Wood Veneer
BP Building Plan	ES Estimate	RU Recessed	UO Underlayment	YD Yard	WV Wood Veneer
BQ Building Profile	ES Estimate	RV Recessed	UP Underlayment	YD Yard	WV Wood Veneer
BR Building Rafter	ES Estimate	RU Recessed	UQ Underlayment	YD Yard	WV Wood Veneer
BS Building Sill	ES Estimate	RV Recessed	UR Underlayment	YD Yard	WV Wood Veneer
BT Building Stud	ES Estimate	RU Recessed	US Underlayment	YD Yard	WV Wood Veneer
BV Building Stud	ES Estimate	RV Recessed	UT Underlayment	YD Yard	WV Wood Veneer
BW Building Wall	ES Estimate	RU Recessed	UU Underlayment	YD Yard	WV Wood Veneer
BX Building Window	ES Estimate	RV Recessed	UV Underlayment	YD Yard	WV Wood Veneer
BY Building Window	ES Estimate	RU Recessed	UW Underlayment	YD Yard	WV Wood Veneer
BZ Building Window	ES Estimate	RV Recessed	UX Underlayment	YD Yard	WV Wood Veneer
CA Ceiling	ES Estimate	RU Recessed	UY Underlayment	YD Yard	WV Wood Veneer
CB Ceiling	ES Estimate	RV Recessed	UZ Underlayment	YD Yard	WV Wood Veneer
CC Ceiling	ES Estimate	RU Recessed	VA Underlayment	YD Yard	WV Wood Veneer
CD Ceiling	ES Estimate	RV Recessed	VB Underlayment	YD Yard	WV Wood Veneer
CE Ceiling	ES Estimate	RU Recessed	VC Underlayment	YD Yard	WV Wood Veneer
CF Ceiling	ES Estimate	RV Recessed	VD Underlayment	YD Yard	WV Wood Veneer
CG Ceiling	ES Estimate	RU Recessed	VE Underlayment	YD Yard	WV Wood Veneer
CH Ceiling	ES Estimate	RV Recessed	VF Underlayment	YD Yard	WV Wood Veneer
CI Ceiling	ES Estimate	RU Recessed	VG Underlayment	YD Yard	WV Wood Veneer
CJ Ceiling	ES Estimate	RV Recessed	VH Underlayment	YD Yard	WV Wood Veneer
CK Ceiling	ES Estimate	RU Recessed	VI Underlayment	YD Yard	WV Wood Veneer
CL Ceiling	ES Estimate	RV Recessed	VJ Underlayment	YD Yard	WV Wood Veneer
CM Ceiling	ES Estimate	RU Recessed	VK Underlayment	YD Yard	WV Wood Veneer
CN Ceiling	ES Estimate	RV Recessed	VL Underlayment	YD Yard	WV Wood Veneer
CO Ceiling	ES Estimate	RU Recessed	VM Underlayment	YD Yard	WV Wood Veneer
CP Ceiling	ES Estimate	RV Recessed	VN Underlayment	YD Yard	WV Wood Veneer
CQ Ceiling	ES Estimate	RU Recessed	VO Underlayment	YD Yard	WV Wood Veneer
CR Ceiling	ES Estimate	RV Recessed	VP Underlayment	YD Yard	WV Wood Veneer
CS Ceiling	ES Estimate	RU Recessed	VQ Underlayment	YD Yard	WV Wood Veneer
CT Ceiling	ES Estimate	RV Recessed	VR Underlayment	YD Yard	WV Wood Veneer
CU Ceiling	ES Estimate	RU Recessed	VS Underlayment	YD Yard	WV Wood Veneer
CV Ceiling	ES Estimate	RV Recessed	VT Underlayment	YD Yard	WV Wood Veneer
CW Ceiling	ES Estimate	RU Recessed	VV Underlayment	YD Yard	WV Wood Veneer
CX Ceiling	ES Estimate	RV Recessed	VG Underlayment	YD Yard	WV Wood Veneer
CY Ceiling	ES Estimate	RU Recessed	VH Underlayment	YD Yard	WV Wood Veneer
CZ Ceiling	ES Estimate	RV Recessed	VI Underlayment	YD Yard	WV Wood Veneer

### Symbol Legend

	Section		Room Number
	Station		Door Number
	Detail		Key Note
	Section Number		Wall Type
	Section Where Section Applies		Removal Note

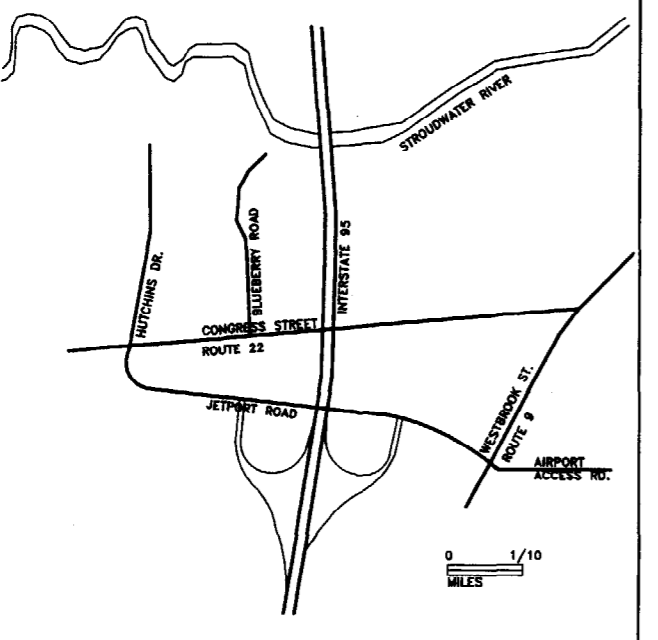
#### Section

	Particle Board		Concrete
	Wood - Rough		Open Board
	Wood - Finish		Plywood
	Wood - Intermediate Studing		Built Insulation
	Concrete Masonry Unit		Rigid Insulation
	Brick		Steel
			Aluminum

#### Plan

	1 HOUR
	2 HOUR
	Climbing Wall

### Vicinity Map



### Drawing Index

T1 TITLE SHEET

SITE DRAWINGS AND SPECIFICATIONS ARE PREPARED AND PROVIDED BY SYTDesign Consultants UNDER SEPARATE COVER.

A1-A FLOOR PLAN (ALTERNATE)

A2-A ROOF PLAN (ALTERNATE)

A3 REFLECTED CEILING PLAN

A4 BUILDING ELEVATIONS

A5 MISC. DETAILS

A6 3/4" WALL SECTIONS

A7 3/4" WALL SECTIONS

A8 3/4" WALL SECTIONS

A9-A FINISH SCHEDULE (ALTERNATE)

A10-A DOOR AND FRAME SCHED. (ALTERNATE)

A-11 DETAILS

STRUCTURAL

~~S1 FOUNDATION PLAN~~

S1-A FOUNDATION PLAN (ALTERNATE)

~~S2 ROOF FRAMING PLAN~~

S2-A ROOF FRAMING PLAN (ALTERNATE)

S3 FOUNDATION SECTIONS AND DETAILS

S4 COLUMN SCHED AND FRAMING DETAILS

MECHANICAL

M1 MECH FLOOR PLAN / SECT'N A-A, B-B

M2 GEN'L NOTES, SCHEDULES AND DETAILS

PLUMBING

P1 PLUMBING FLOOR PLAN

P2 PLUMBING DETAILS AND SCHEDULES

ELECTRICAL

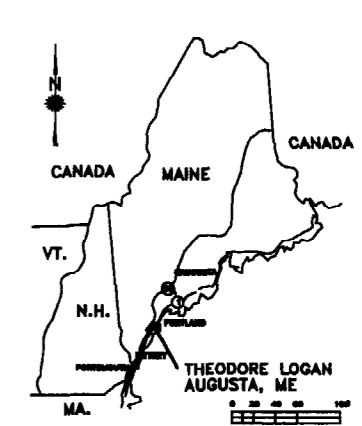
E-S ELECTRICAL SITE PLAN

E-1A ELECT'L LIGHTING AND FIRE ALARM

E-2A POWER DISTRIBUTION PLAN

E-3A SCHEDULES NOTES AND SYMBOLS

### Area Map



PDA Project No.: 010-013



THEODORE LOGAN AND SON  
OFFICE AND WAREHOUSE FACILITY  
34 BLUEBERRY ROAD, PORTLAND, MAINE

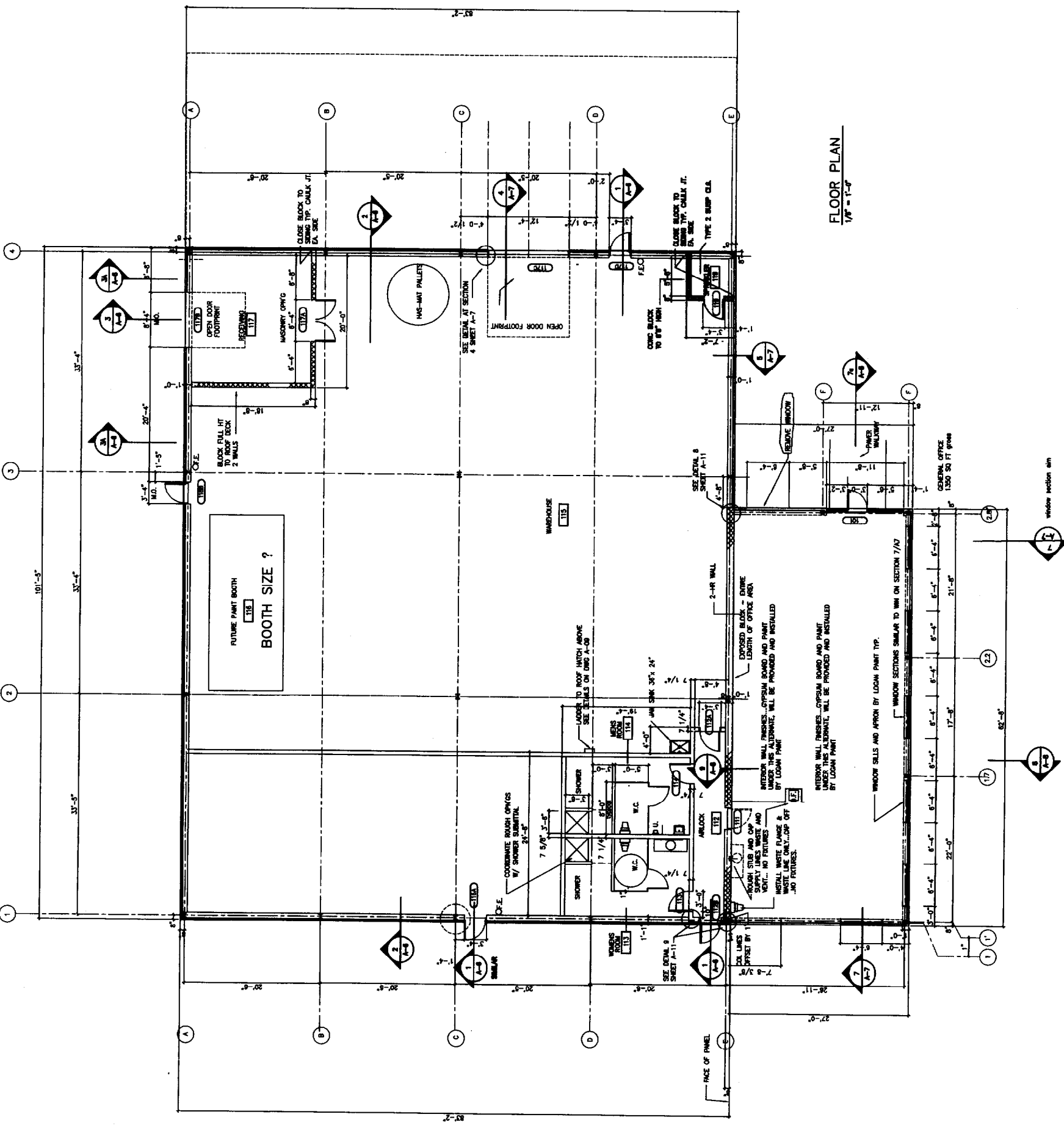
FLOOR PLAN - ALTERNATE #1

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

DATE: MAR 8 2003  
DESIGNED: J.A.  
DRAWN: J.A.  
CHECKED: [Signature]  
APPROVED: [Signature]

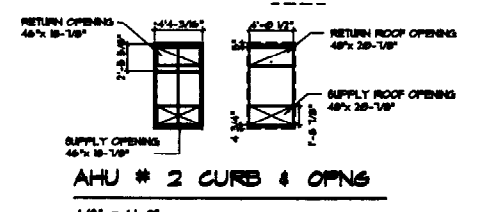
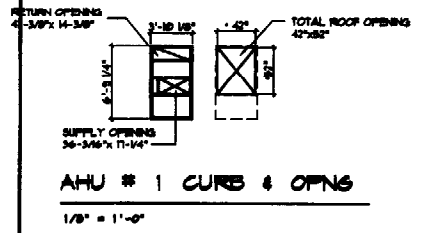
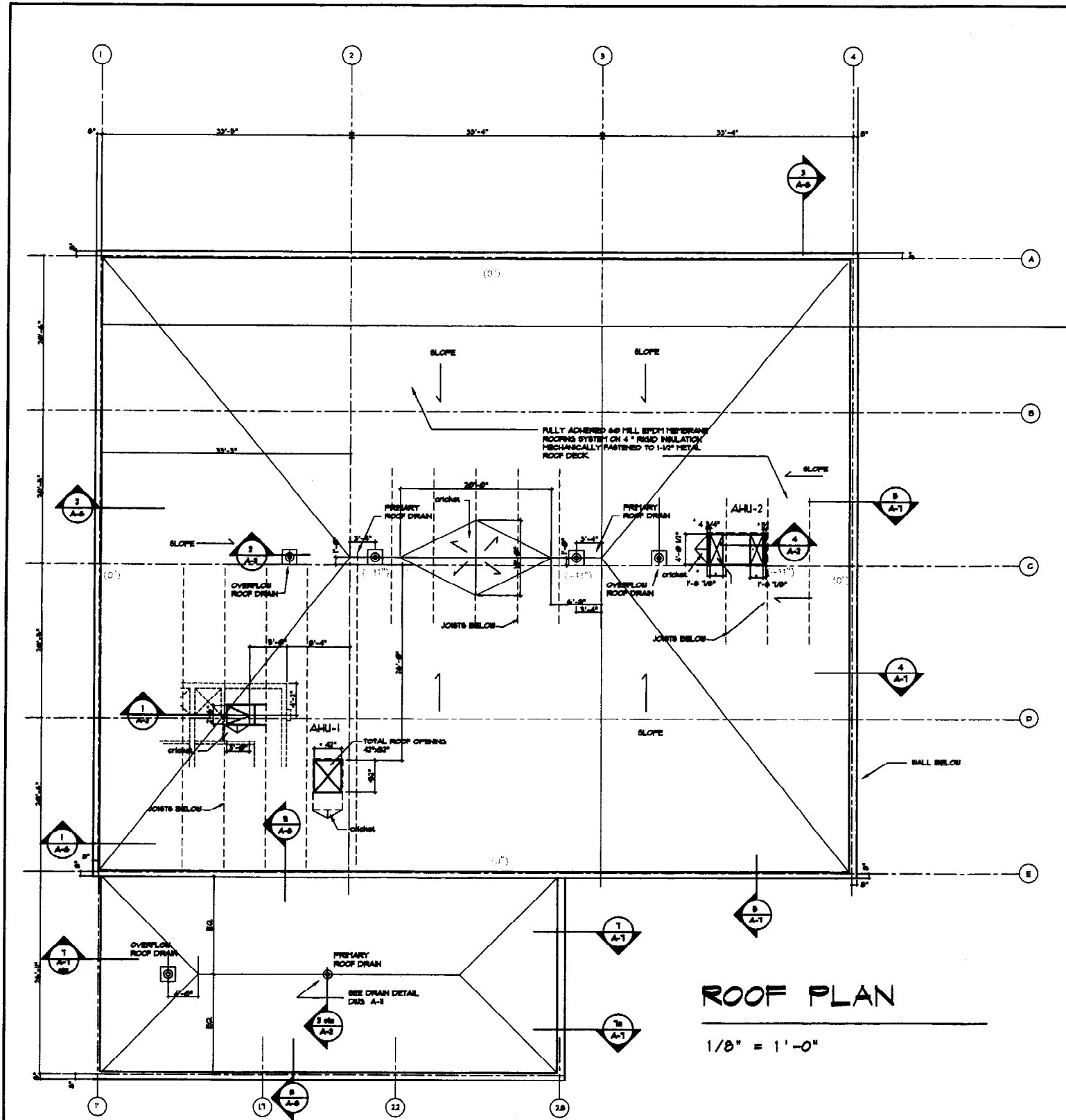


REV'S	DATE	DESCRIPTION
1	7-15-03	Initial changes per owner's direction
2	7-01-03	revised - rework for planning staff review
3	7-15-03	FOR BID/CONSTRUCTION
4	01-13-03	ISSUE SUBMITTAL
5	10-10-02	PROGRESS ISSUED FOR OWNER REVIEW
6	10-07-02	ISSUED FOR PLANNING STAFF REVIEW
7	7-31-02	ISSUED FOR FLOOR PLAN/CLERKS APPROVAL BY OWNER

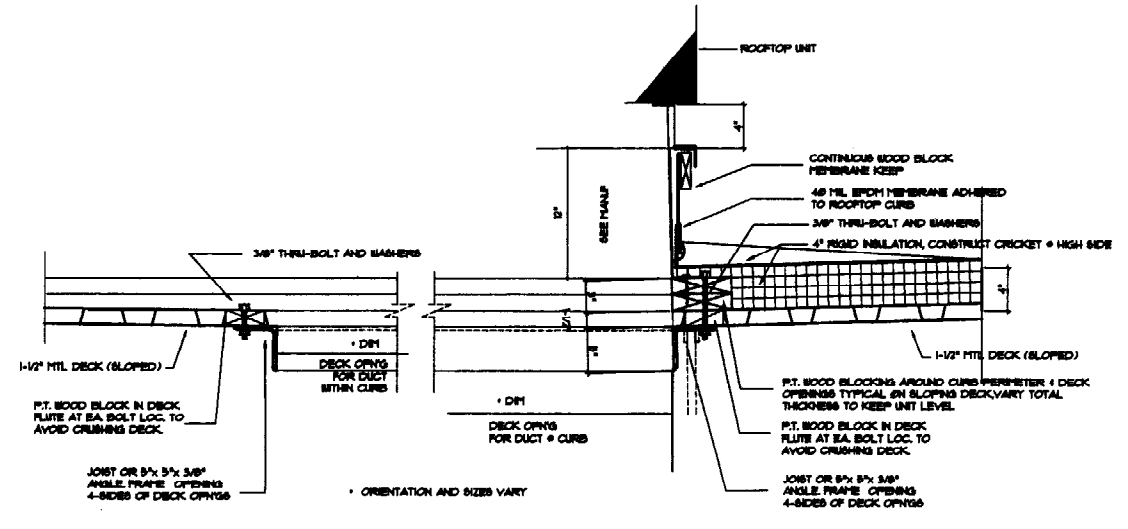
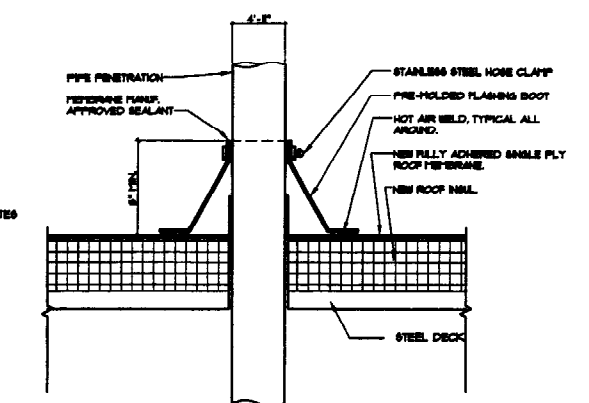
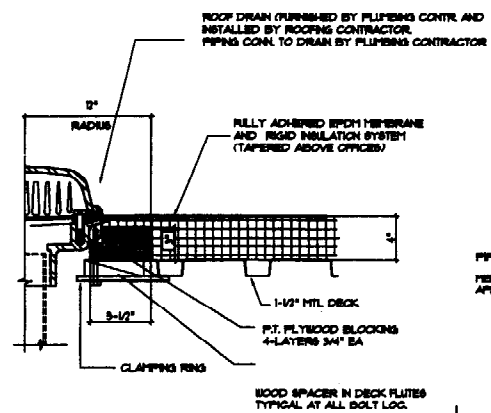
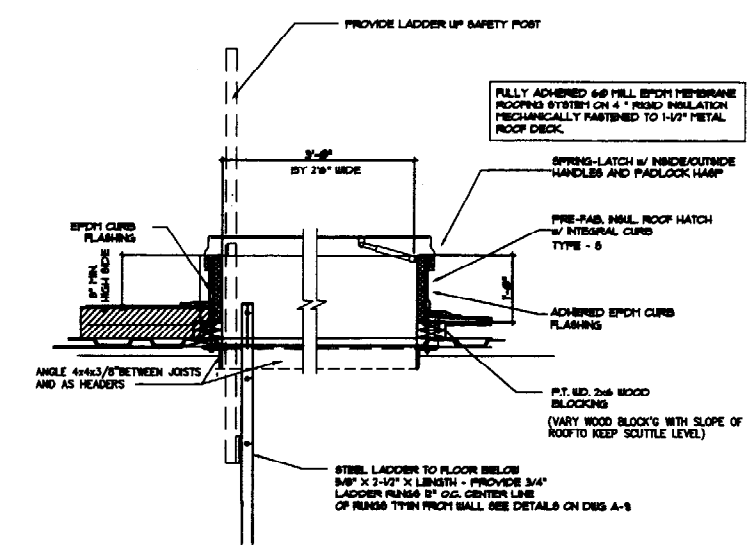


THE OWNER IS AN AGENT OF THE STATE OF MAINE. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING. THE ARCHITECT IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF ANY OTHER WORK OR FOR ANY DAMAGE TO PERSONS OR PROPERTY. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE BUILDING.

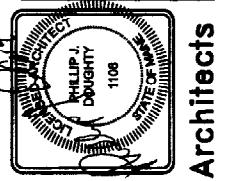
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NOTE:  
• ALL DIMS MAY VARY WITH EQUIPT MANUFACTURERS



NO.	DATE	BY	CHKD.	APP'D.
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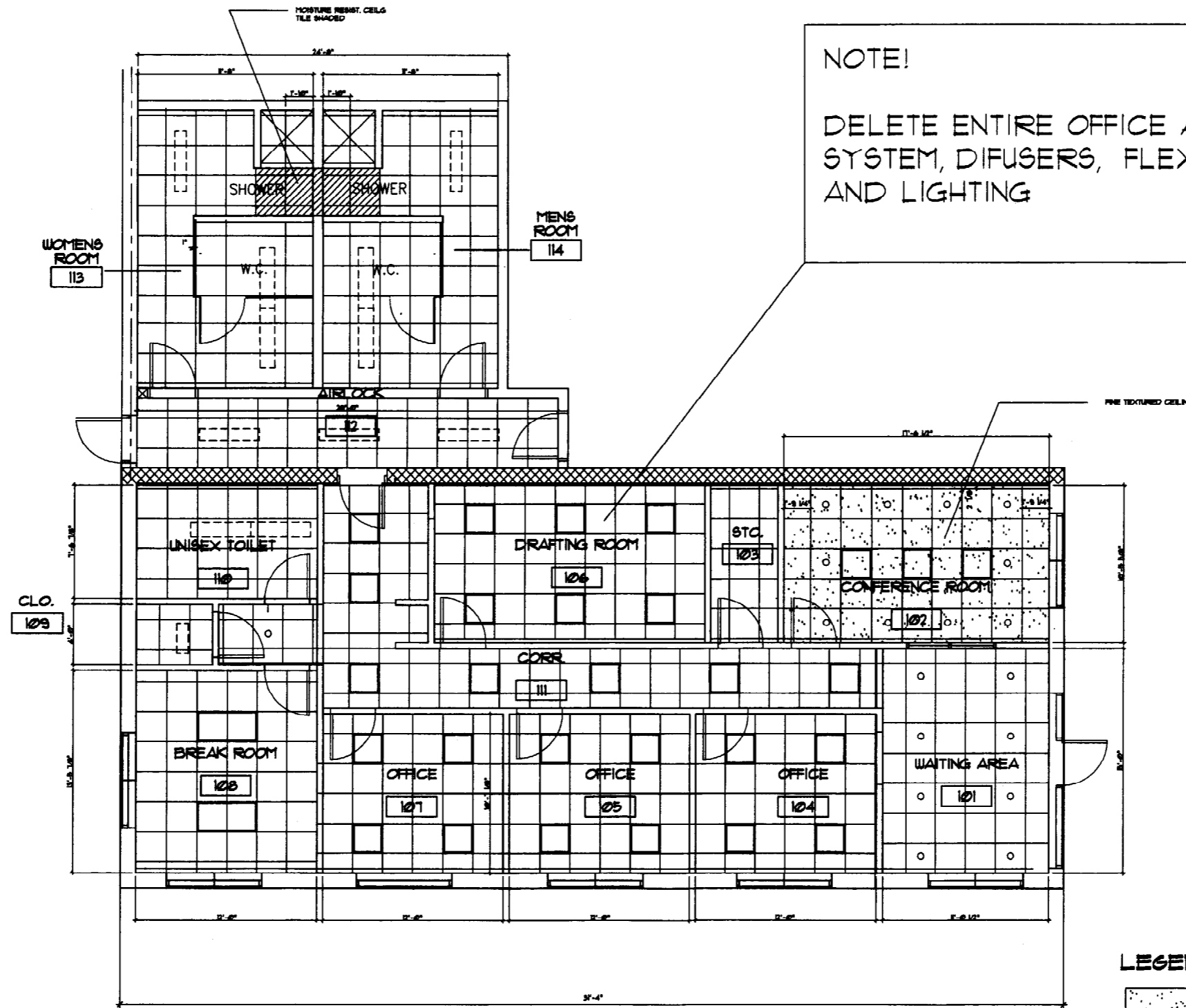


THEODORE LOGAN AND SON  
OFFICE AND WAREHOUSE FACILITY  
34 ELLERY ROAD, PORTLAND, MAINE  
ROOF PLAN AND DETAILS - ALTERNATE #1

SCALE: AS SHOWN  
DATE: 8-2-03  
DESIGNED BY: PJA  
DRAWN BY: PJA  
CHECKED: PJA  
APPROVED: PJA

SHEET NO. **A-2-A**  
ALTERNATE #1

DINA • Phillip J. Doughty Associates • Architects



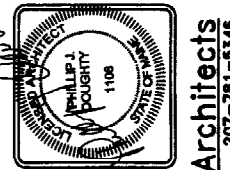
NOTE!  
 DELETE ENTIRE OFFICE AREA CEILING SYSTEM, DIFUSERS, FLEX DUCT AND LIGHTING

REFLECTED CEILING PLAN

LEGEND

- TYPE 1- 'CIRRUS', ANGLED TEGULAR CONFERENCE ROOM
- NO TEXTURE SHOWN  
TYPE 2- 'FISGURED', ANGLED TEGULAR BALANCE OF CEILING\$ EXCEPT AT SHOWER AREA AS SHOWN
- TYPE 3- FISGURED PERFORATED MOISTURE RESISTANT CERAMIC AND MINERAL FIBER COMPOSITE CEILING TILE.

REV	DATE	DESCRIPTION
1	7-15-03	REVISION
2	FEB 04 2003	FOR SUB/CONSTRUCTION
3	07-13-03	FOR SUBMITTAL
4		
5		
6		
7		
8		
9		
10		



THEODORE LOGAN AND SON  
 OFFICE AND WAREHOUSE FACILITY  
 34 BLUEBERRY ROAD, PORTLAND, MAINE

REFLECTED CEILING PLAN

PHILIP J. DOUGHTY  
 ARCHITECT  
 No. 1108

SCALE: 1/4" = 1'-0"  
 DATE: FEB 2003  
 DESIGNED: P.A.  
 DRAWN: P.A.  
 CHECKED:  
 APPROVED:

PROJ. SHEET NO. A-3

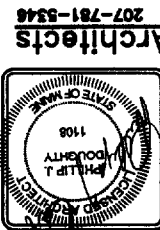
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34 BLUBERRY ROAD, PORTLAND, MAINE

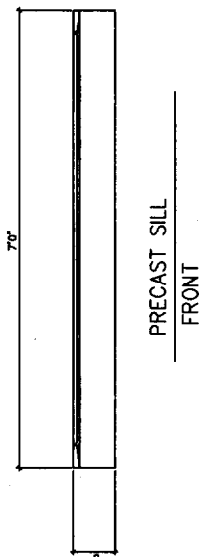
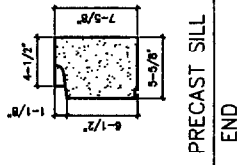
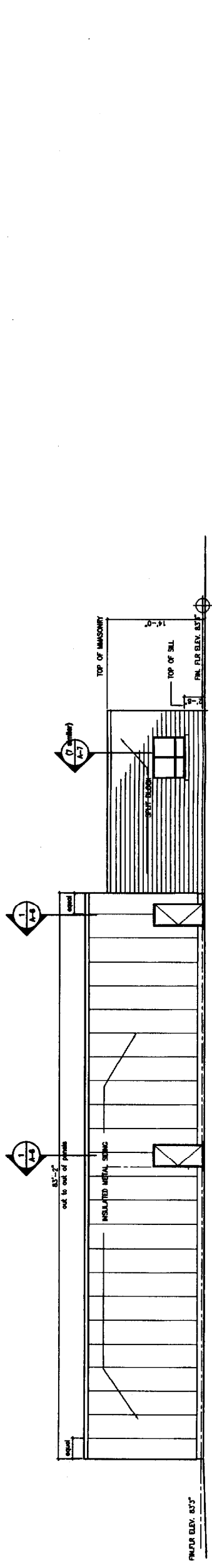
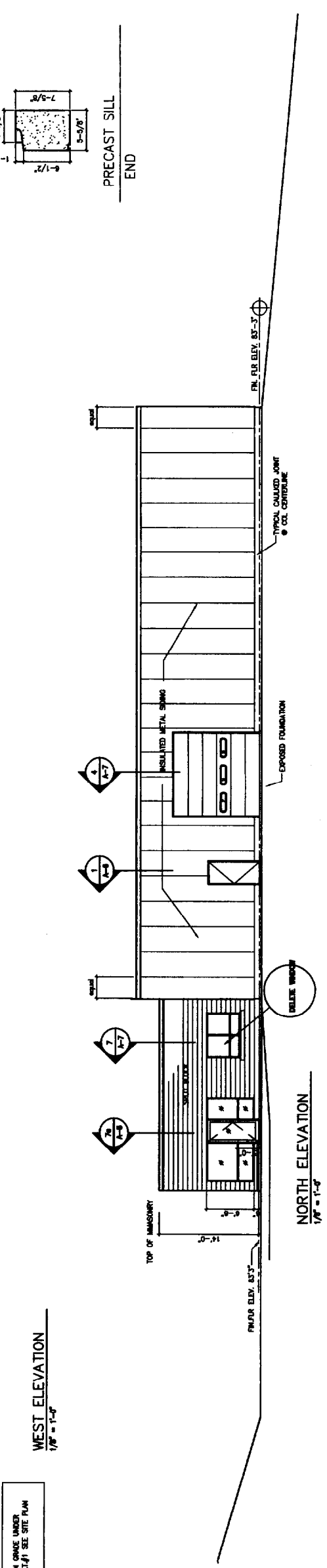
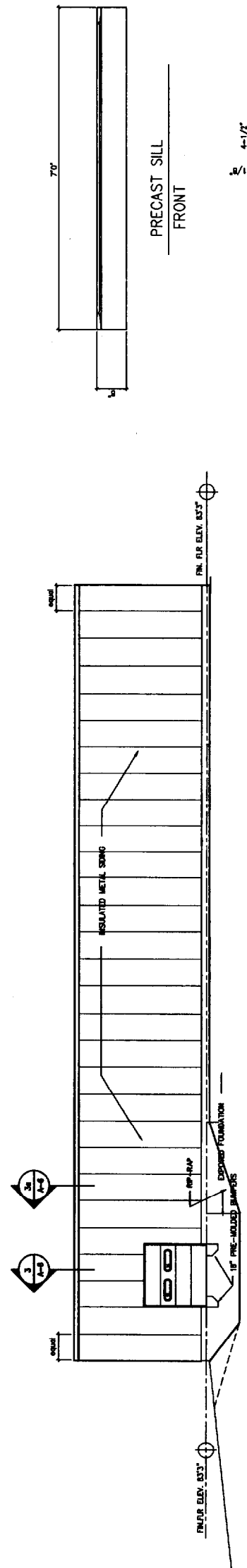
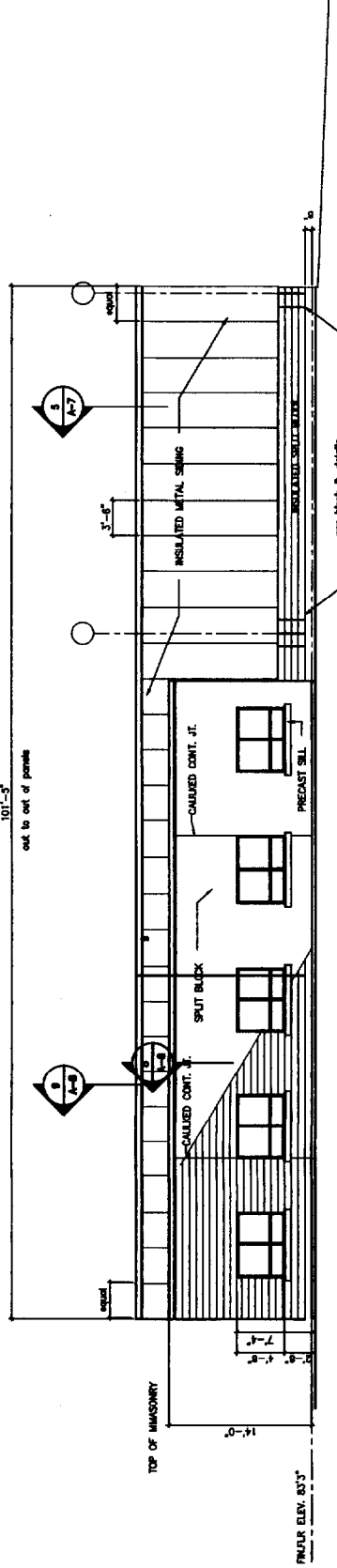
**BUILDING ELEVATIONS**

APPROVED: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
DRAWN: \_\_\_\_\_  
DESIGNED: \_\_\_\_\_  
DATE: \_\_\_\_\_



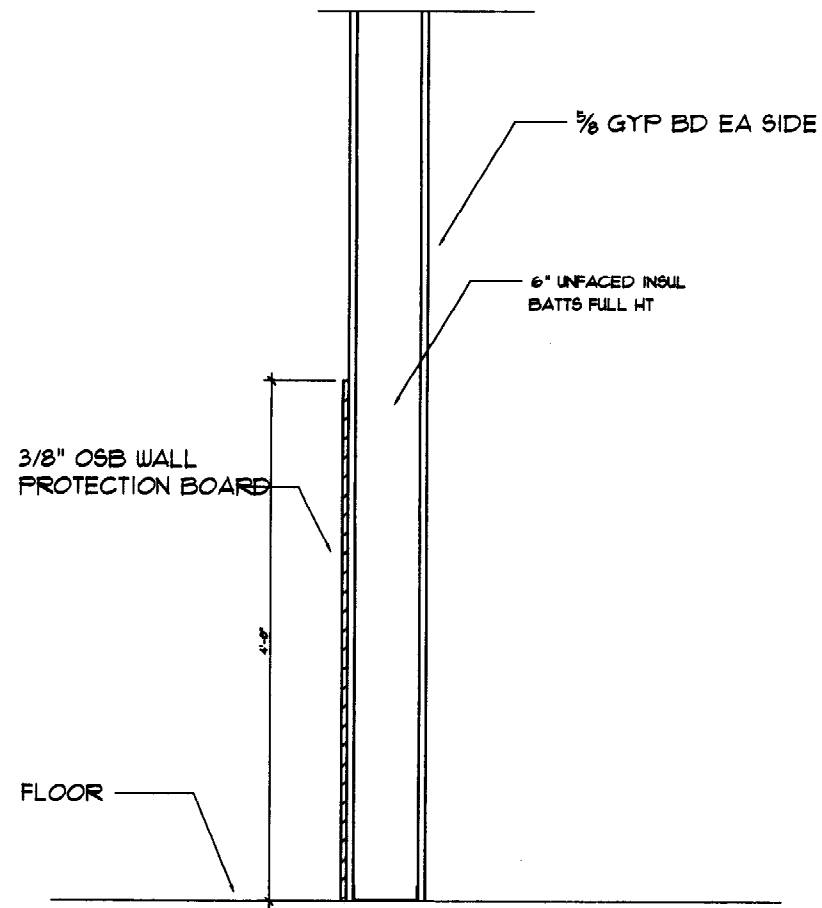
Architects  
Phillip J. Doughty Associates  
364 U.S. Route One  
Falmouth, ME, 04105  
207-781-8348

REV'S	DATE	DESCRIPTION
1	7-18-03	possible changes per owners direction
2	7-1-03	revised - reworked for drawing staff review
3	01-13-03	FOR BID/CONSTRUCTION
4	01-13-03	FOR REVIEW BY OWNER
5	10-10-06	FOR REVIEW BY OWNER
6	10-07-06	FOR REVIEW BY OWNER
7	7-21-02	ISSUED FOR FLOOR PLAN/ELEVATIONS APPROVAL BY OWNER
8	7-17-02	ISSUED FOR FLOOR PLAN/ELEVATIONS APPROVAL BY OWNER

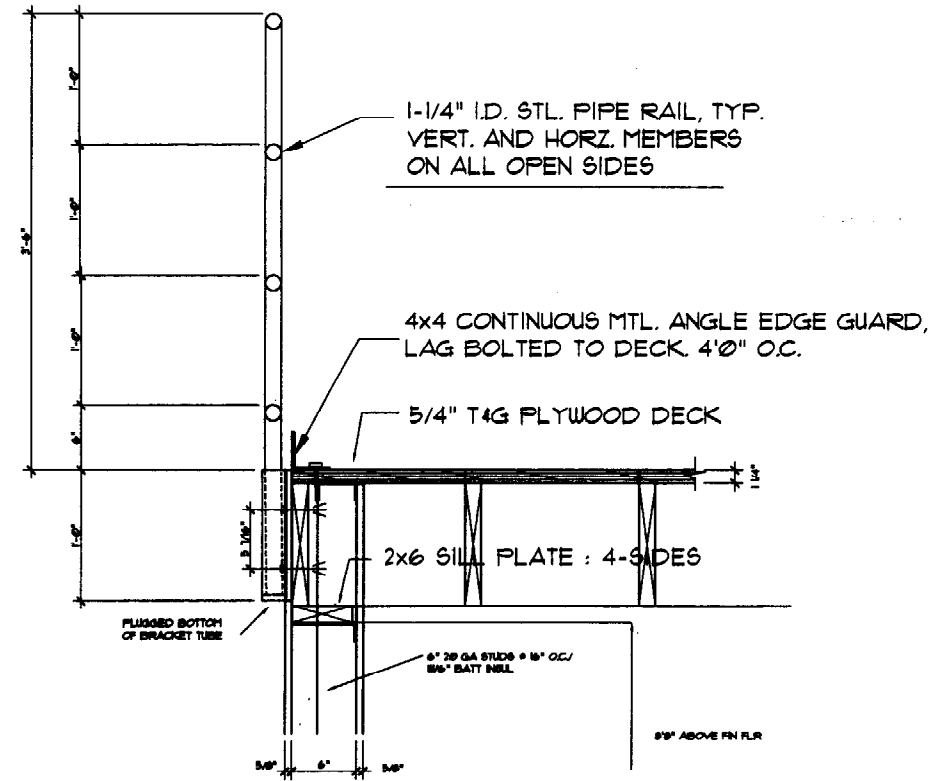


FIN GRADE MARKER  
ALWAYS SEE SITE PLAN

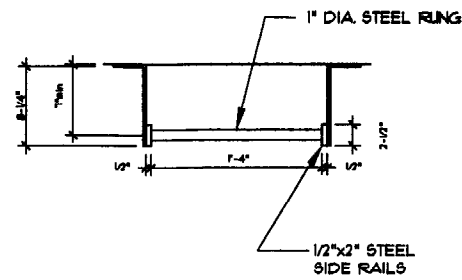
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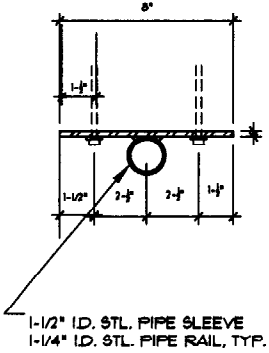
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NTS



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A5 1" = 1'-0"

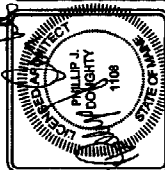


SECTION @ LADDER  
NTS



SECTION @ TYP. PIPE SLEEVE BRACKET  
NTS

NO.	REVISION	DESCRIPTION	DATE
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2	REVISED		FEB. 28, 2003
3	REVISED		



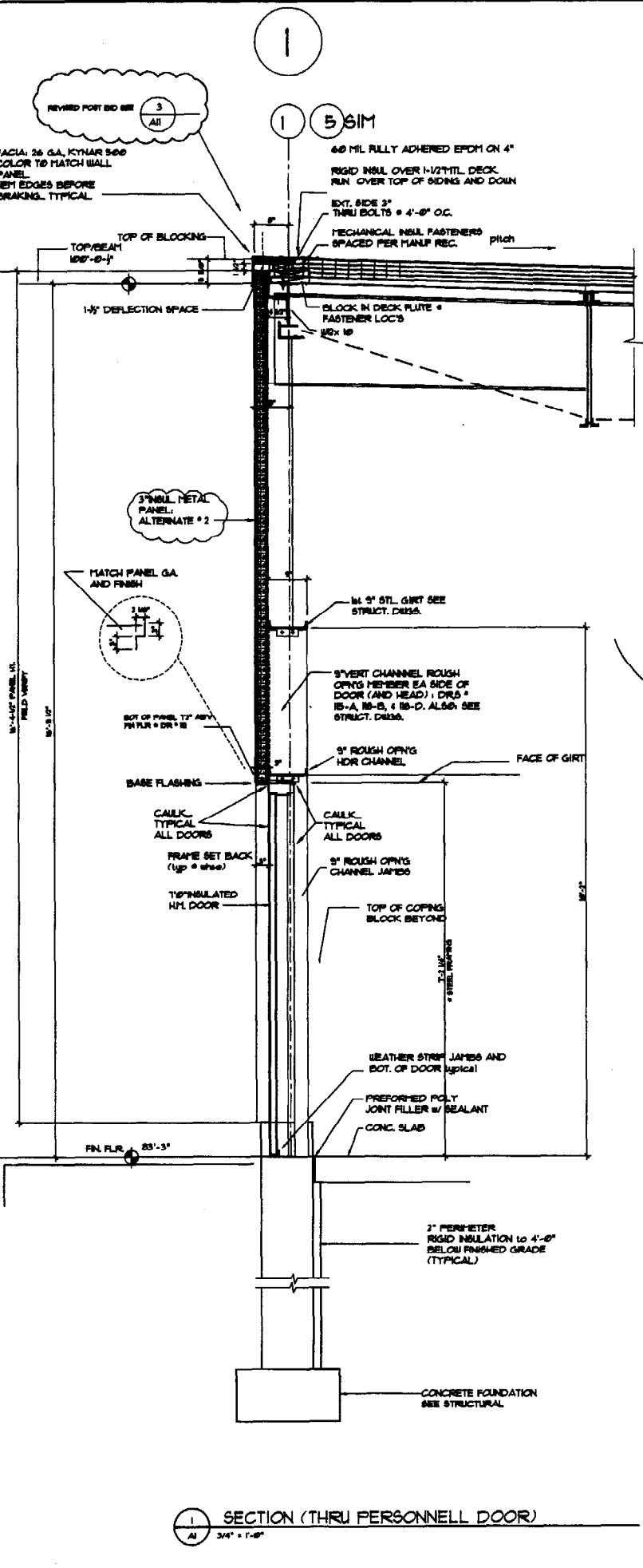
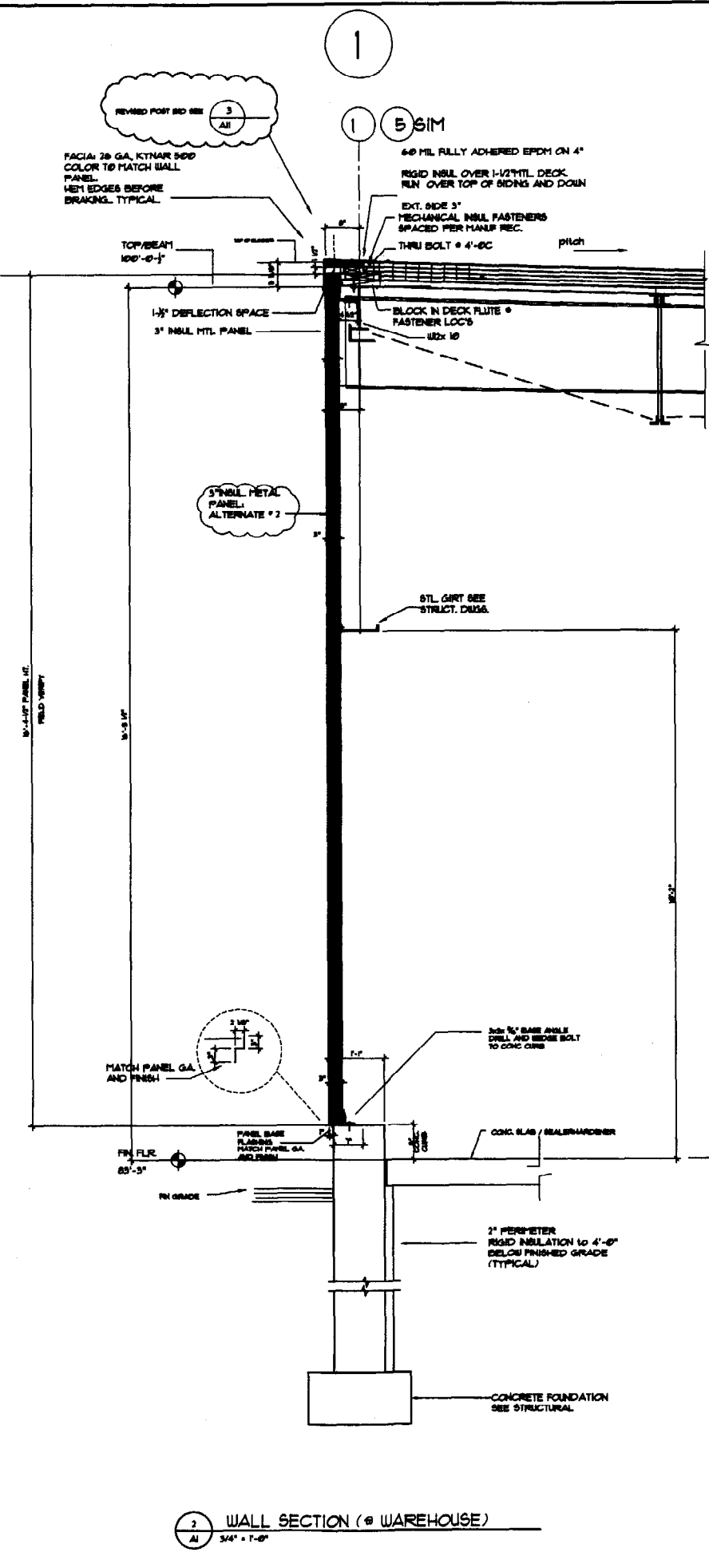
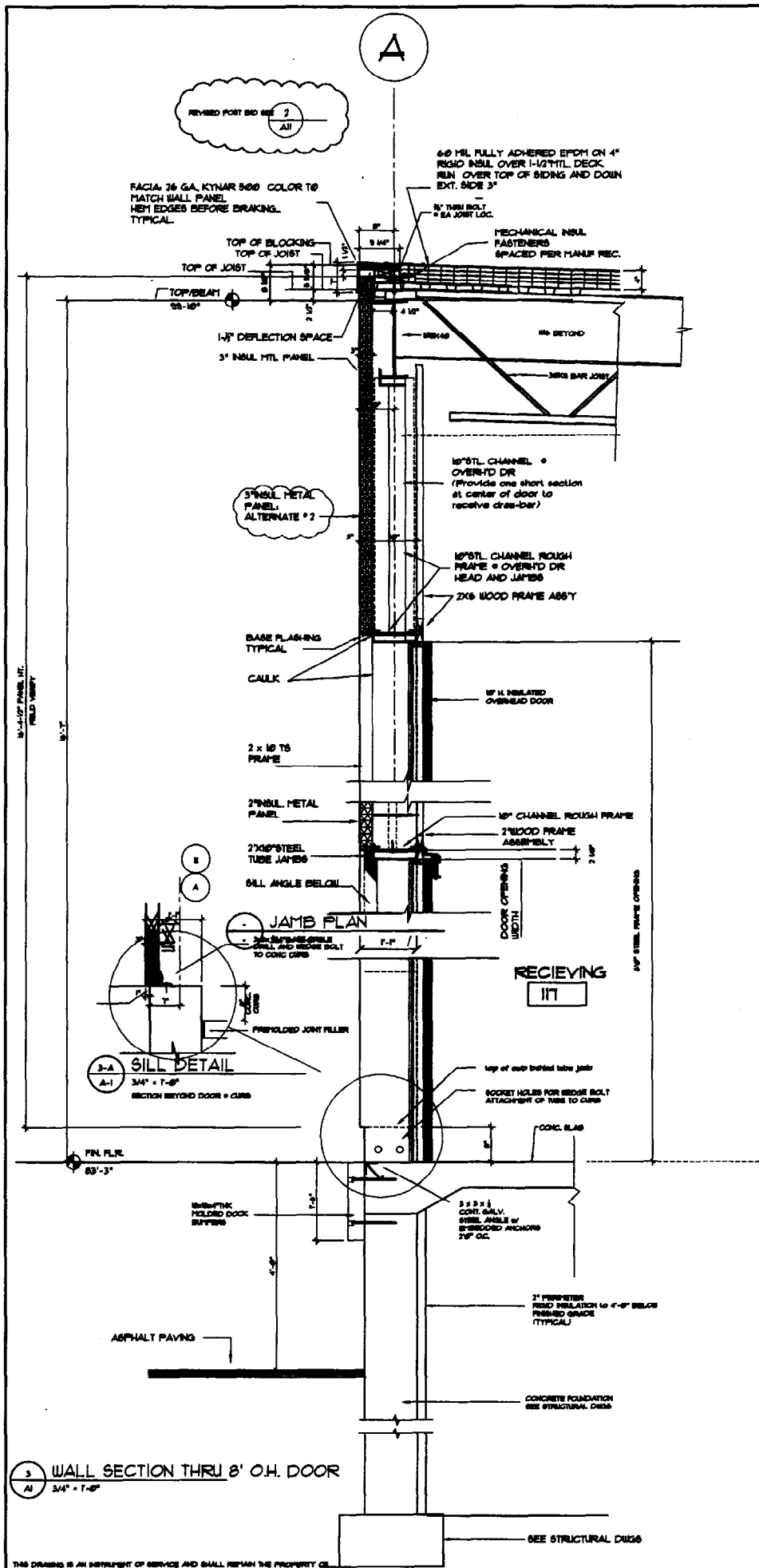
THEODORE LOGAN AND SON  
OFFICE AND WAREHOUSE FACILITY  
34 BLUEBERRY ROAD, PORTLAND, MAINE

SCALE : AS SHOWN  
DATE : FEB. 2003  
DESIGNED: PD  
DRAWN: PD  
CHECKED:  
APPROVED:

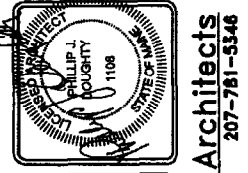
Phillip J. Doughty Assoc. Architects  
PDA Architects 342 U.S. Route One, Balmouth Maine 04103 • 207.741.5346

PROJ	002-013	SHT	OF
SHEET NO.			
A-5			

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NO.	DATE	BY	CHKD.	APP'D.	DESCRIPTION
1	7-18-88	JLD	JLD	JLD	PROVIDE CHANGES PER CHANGE ORDERS
2	8-11-88	JLD	JLD	JLD	REVISED DRAWING
3	8-11-88	JLD	JLD	JLD	PROCESSED PERMIT 1-18-88
4	8-11-88	JLD	JLD	JLD	PROCESSED PERMIT 1-18-88
5	8-11-88	JLD	JLD	JLD	PROCESSED PERMIT 1-18-88
6	8-11-88	JLD	JLD	JLD	PROCESSED PERMIT 1-18-88
7	8-11-88	JLD	JLD	JLD	PROCESSED PERMIT 1-18-88
8	8-11-88	JLD	JLD	JLD	PROCESSED PERMIT 1-18-88
9	8-11-88	JLD	JLD	JLD	PROCESSED PERMIT 1-18-88
10	8-11-88	JLD	JLD	JLD	PROCESSED PERMIT 1-18-88



THEODORE LOGAN AND SONS  
OFFICE AND WAREHOUSE FACILITY  
34 BLUEBERRY ROAD, PORTLAND, MAINE

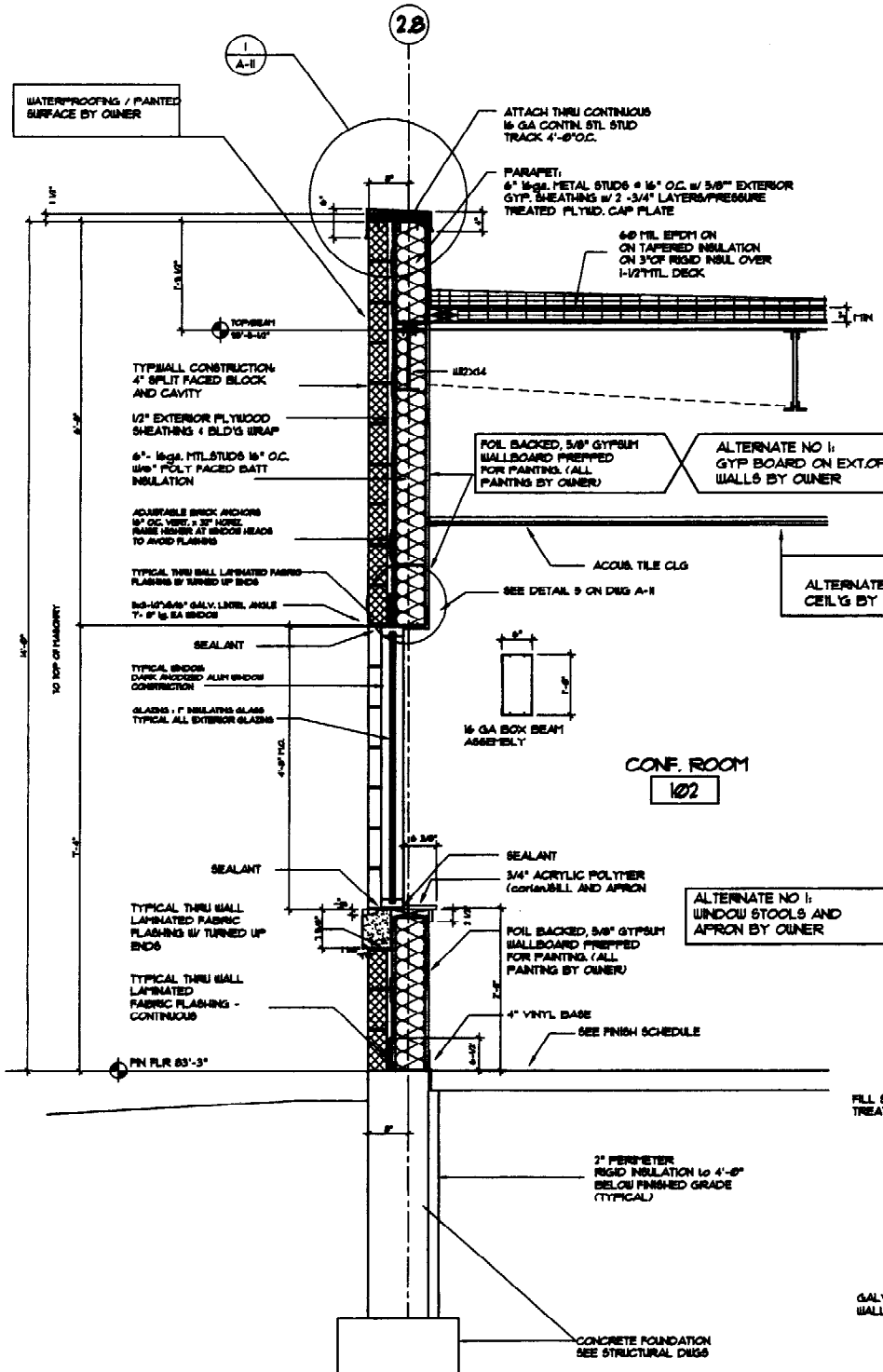
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DESIGNED BY: JLD  
DRAWN BY: JLD  
CHECKED BY: JLD  
APPROVED: JLD

PROJECT NO. 020-001  
SHEET NO. 5  
A-6

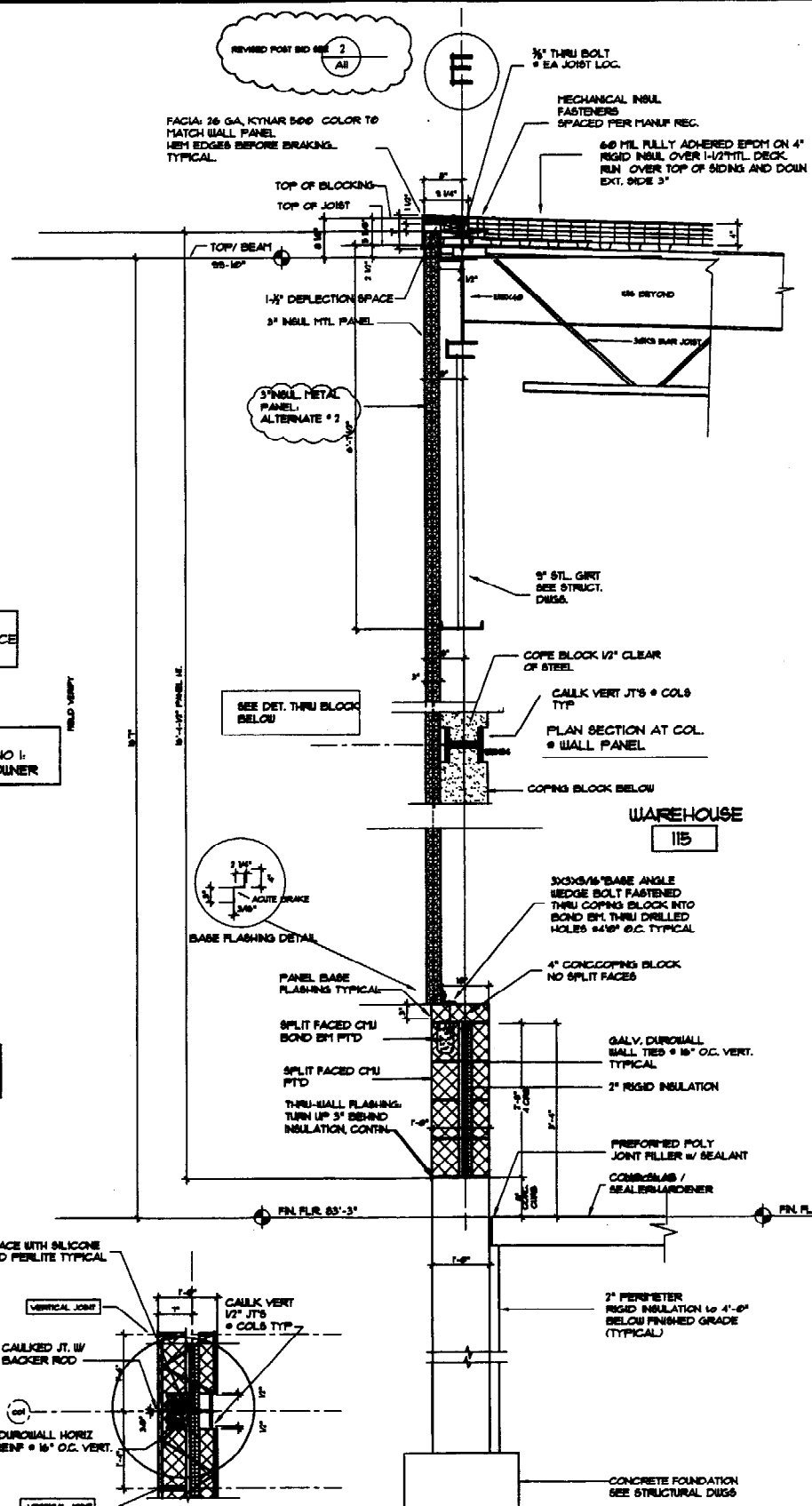
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PJDA • Phillip J. Doughty Associates • Architects  
364 U.S. Route One • Falmouth, ME. 04105 • 207-781-5348

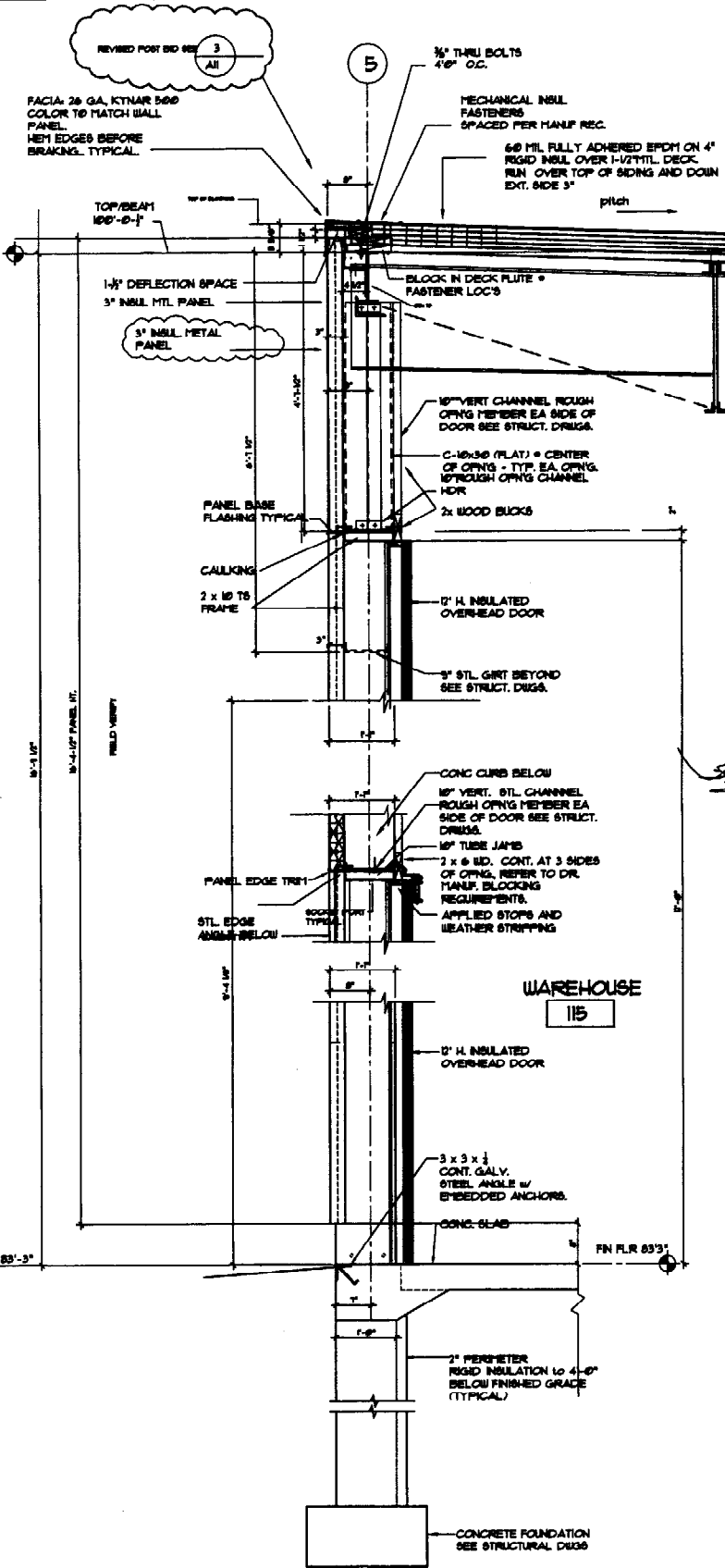
NOTE: KEEP TOPS OF MASONRY CAVITY WALL CAVITY COVERED WITH A COVERING IMPERVIOUS TO WATER UNTIL TOP OF WALL IS COVERED WITH ROOFING MEMBRANE AND FLASHING TYPICAL.



1 WALL SECTION THRU CONF RM WINDOW (OFFICE WINDOW SIM)  
3/4" x 1'-0"

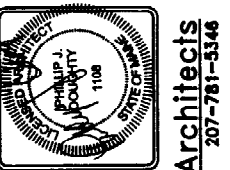


2 WALL SECTION (@FRONT WALL)  
3/4" x 1'-0"



3 WALL SECTION THRU 12' O.H. DOOR  
3/4" x 1'-0"

NO.	DATE	BY	CHKD.	APP'D.	DESCRIPTION
1	JULY 14-88	PHJ	PHJ	PHJ	PREPARED FOR REVIEW BY OWNER FOR CONSTRUCTION
2	AUG 24-88	PHJ	PHJ	PHJ	FOR CONSTRUCTION
3	AUG 24-88	PHJ	PHJ	PHJ	FOR CONSTRUCTION
4	JULY 12-88	PHJ	PHJ	PHJ	REVISION

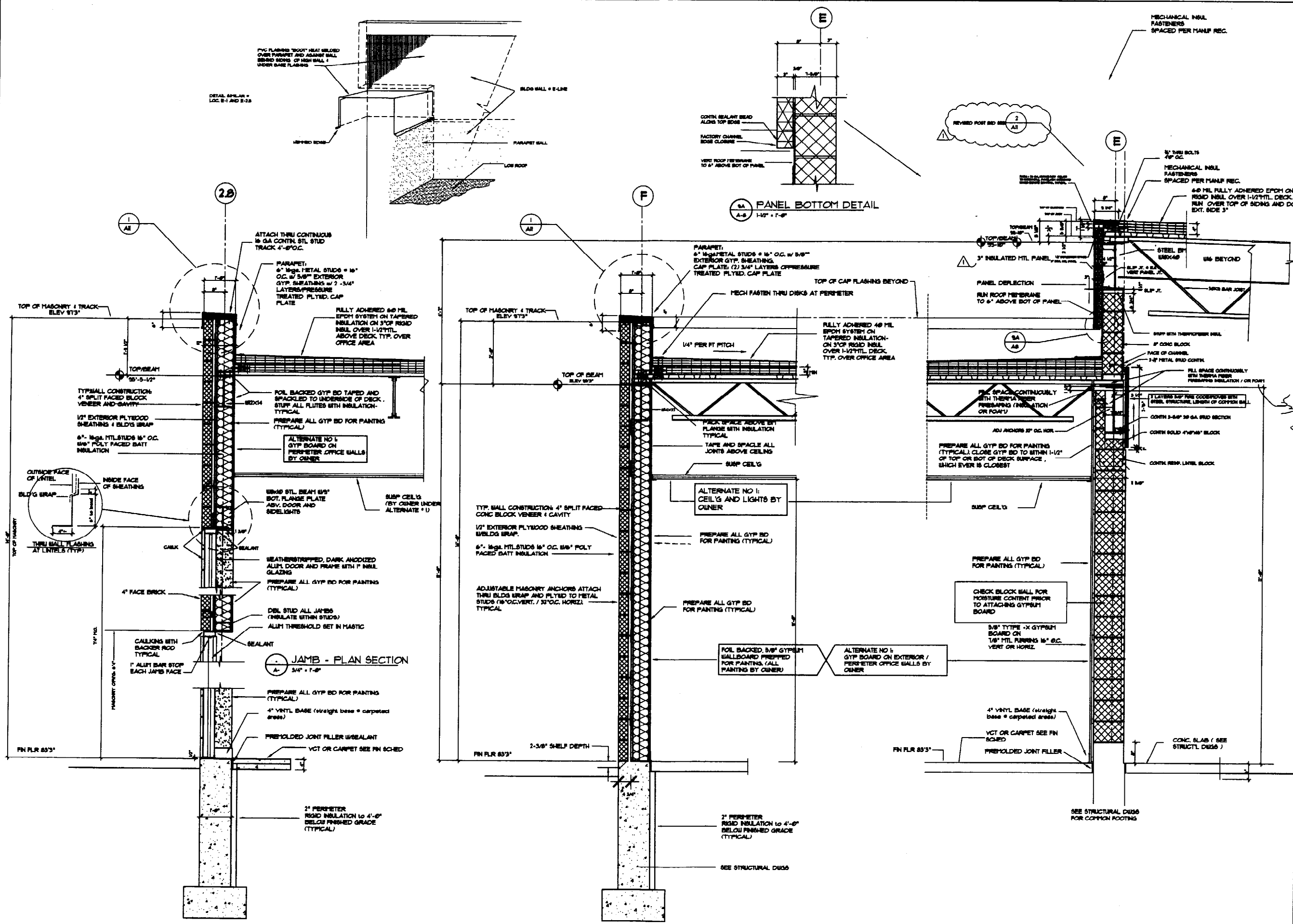


THEODORE LOGAN AND SON  
OFFICE AND WAREHOUSE FACILITY  
34 BLUEBERRY ROAD, PORTLAND, MAINE  
RDA • Philip J. Doughty Associates • Architects  
364 U.S. Route One • Falmouth, ME. 04105 • 207-781-5346

SCALE: 3/4" = 1'-0"	DATE: JUL 1988	DESIGNED BY: PHJ	DRAWN BY: PHJ	CHECKED BY: PHJ	APPROVED: PHJ
PROJECT NO. 000-001	SHEET NO. 5	A-7			

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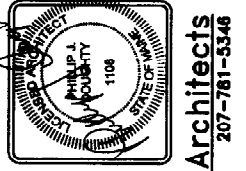


SECTION THRU OFFICE ENTRANCE  
A-1 3/4" x 1'-0"

WALL SECTION THRU OFFICE EAST WALL  
A-2 3/4" x 1'-0"

WALL SECTION THRU OFFICE/WAREHOUSE  
A-3 3/4" x 1'-0"

NO.	DATE	BY	CHKD	APP'D	DESCRIPTION
1	1-2-83	PLM	PLM	PLM	PROVIDED CHANGE PER OWNER'S ATTENTION FOR RECONSTRUCTION OF SUBSTITUTION
2	1-2-83	PLM	PLM	PLM	PROVIDED CHANGE PER OWNER'S ATTENTION FOR CHANGE REVISION AND CONTENT
3	1-2-83	PLM	PLM	PLM	
4	1-2-83	PLM	PLM	PLM	
5	1-2-83	PLM	PLM	PLM	
6	1-2-83	PLM	PLM	PLM	
7	1-2-83	PLM	PLM	PLM	
8	1-2-83	PLM	PLM	PLM	
9	1-2-83	PLM	PLM	PLM	
10	1-2-83	PLM	PLM	PLM	



**Architects**  
 Theodore Logan and Sons  
 Office and Warehouse Facility  
 3-1 Blueberry Road, Portland, Maine  
 Phillip J. Doughty Associates  
 364 U.S. Route One  
 Falmouth, ME. 04105  
 207-781-3348

SCALE: 1/4" = 1'-0"  
 DATE: 1-2-83  
 DESIGNED: PLM  
 DRAWN: PLM  
 CHECKED: PLM  
 APPROVED: PLM

SHEET NO. **A-8**

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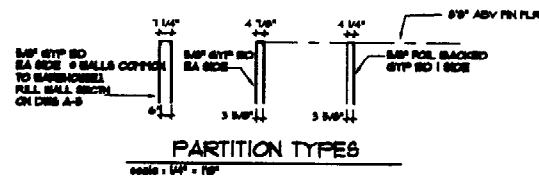
# ROOM FINISH SCHEDULE

RM NO.	ROOM NAME	FLOOR		WALLS				CEILING		REMARKS
		MATERIAL	BASE	NORTH	SOUTH	WEST	EAST	MATERIAL	HT	
101	WAITING RM									
102	CONFERENCE RM									
103	STORAGE									
104	OFFICE									
105	OFFICE									
106	DRAFTING ROOM									
107	OFFICE									
108	BREAK ROOM									
109	CLOSET									
110	UNIBOX TOILET									
111	CORRIDOR									
112	AIRLOCK	CONC W/SEALER	4" VNTL	BLK PTD	BLK PTD	BLK PTD	BLK PTD	2X2 ACT FISURED	8'-0"	
113	WOMEN'S ROOM	CONC PAINTED	4" VNTL	BLK PTD	GYP BD. PTD	BLK PTD	BLK PTD	2X2 ACT FISURED	8'-0"	
114	MEN'S ROOM	CONC PAINTED	4" VNTL	BLK PTD	BLK PTD	BLK PTD	BLK PTD	2X2 ACT FISURED	8'-0"	
115	WAREHOUSE	CONC W/SEALER		BLK PTD	BLK PTD	BLK PTD	BLK PTD	1018/5/DECK PAINTED		EXPOSED PREFIN METAL PANEL ABV BLOCK
116	FUTURE PAINT BOOTH									
117	RECEIVING	CONC W/SEALER		BLK PTD	BLK PTD	BLK PTD	BLK PTD	1018/5/DECK PAINTED		EXPOSED PREFIN METAL PANEL ABV BLOCK
118	FUTURE PAINT AREA									

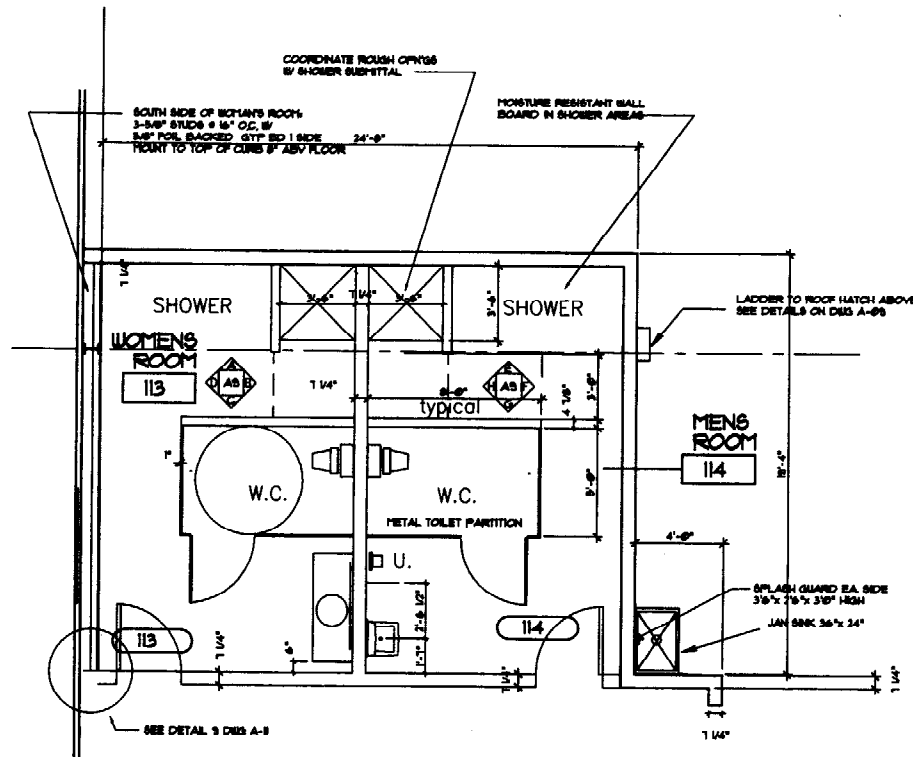
NO ROOM FINISHES UNDER ALTERNATE #1

**NOTES:**

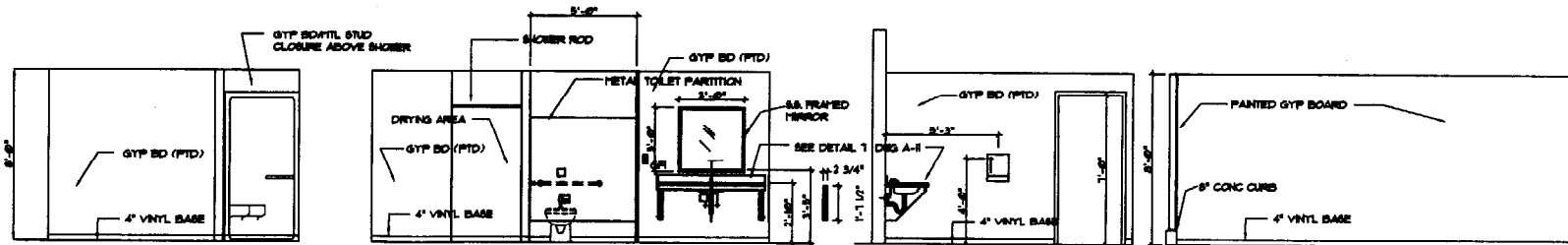
MOISTURE RESISTANT CEILG TILE • SHOWER DRYING AREA  
 ALL PAINTING BY OWNER  
 ALL GYP. BD TAPED SPACKLED AND PREPARED FOR PAINTING



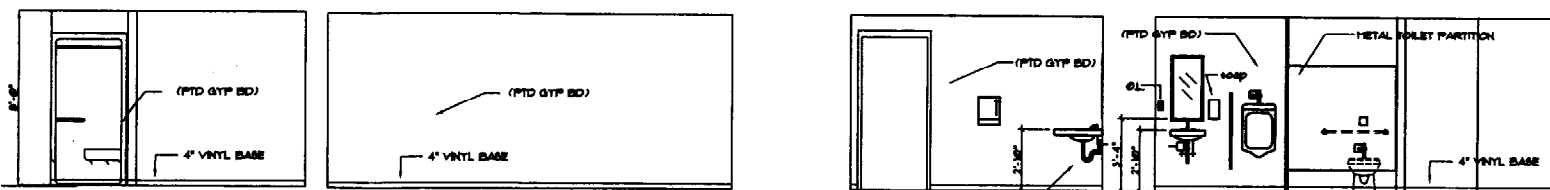
NOTE!  
 UNDER THIS ALTERNATE, INSTALL PLUMBING  
 ROUGH-INS FOR WATER SUPPLY, DRAINAGE,  
 WASTE AND VENT



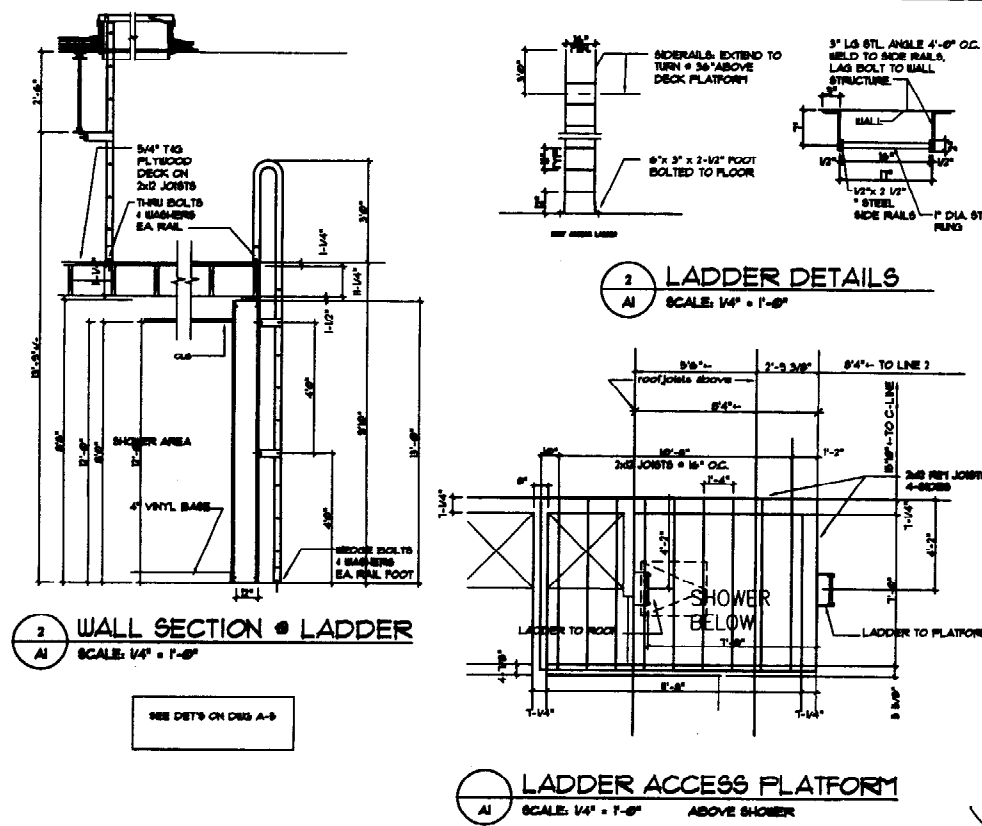
**1 ENLARGED TOILET ROOM PLANS**  
 A2 SCALE: 1/4" = 1'-0"



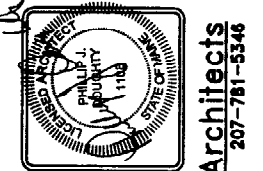
**TOILET ELEVATIONS - WOMEN'S 113**



**TOILET ELEVATIONS - MEN'S 114**



NO.	DATE	BY	CHKD	APP'D	DESCRIPTION
1	7-18-03	AM	AM		FOR BID/CONSTRUCTION
2	7-18-03	AM	AM		FOR BID/CONSTRUCTION
3	7-18-03	AM	AM		FOR BID/CONSTRUCTION
4	7-18-03	AM	AM		FOR BID/CONSTRUCTION
5	7-18-03	AM	AM		FOR BID/CONSTRUCTION
6	7-18-03	AM	AM		FOR BID/CONSTRUCTION
7	7-18-03	AM	AM		FOR BID/CONSTRUCTION
8	7-18-03	AM	AM		FOR BID/CONSTRUCTION
9	7-18-03	AM	AM		FOR BID/CONSTRUCTION
10	7-18-03	AM	AM		FOR BID/CONSTRUCTION
11	7-18-03	AM	AM		FOR BID/CONSTRUCTION
12	7-18-03	AM	AM		FOR BID/CONSTRUCTION
13	7-18-03	AM	AM		FOR BID/CONSTRUCTION
14	7-18-03	AM	AM		FOR BID/CONSTRUCTION
15	7-18-03	AM	AM		FOR BID/CONSTRUCTION
16	7-18-03	AM	AM		FOR BID/CONSTRUCTION
17	7-18-03	AM	AM		FOR BID/CONSTRUCTION
18	7-18-03	AM	AM		FOR BID/CONSTRUCTION
19	7-18-03	AM	AM		FOR BID/CONSTRUCTION
20	7-18-03	AM	AM		FOR BID/CONSTRUCTION



**Architects**  
 207-781-5346  
**Philip J. Doughty Associates**  
 Falmouth, ME, 04105  
 364 U.S. Route One  
 RIDA  
 THEODORE LOGAN AND SON  
 OFFICE AND WAREHOUSE FACILITY  
 34 SLUBERRY ROAD, PORTLAND, MAINE  
 FINISH SCHEDULE ALTERNATE #1

SCALE: AS SHOWN	SHT OF
DATE: JAN 15 03	
DESIGNED: AM	
DRAWN: AM	
CHECKED: AM	
APPROVED: AM	
PROJ. SHEET NO.	
A9-A	

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DOOR AND FRAME SCHEDULE

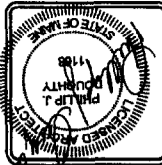
DOOR NO.	DOOR	FRAME	GLASS		FIN	TYPE	SIZE	HURDLES		DETAILS		GENERAL	
			GLASS	TYPE				FIN	TYPE	HEAD	JAMB	SKILL	INS
M1	EXTERIOR TO BATHS	1-1/2"	ALUM	NO	PTD	2"	ALUM	NO	PTD	NO	NO	HIB-	YES
M2	CONFERENCE RT	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M3	STORAGE	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M4	OFFICE	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M5	OFFICE	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M6	DRAFTING ROOM	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M7	OFFICE	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M8	BREAK ROOM	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M9	CLOB	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M10	UNIBEX TOILET	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M11	CORR III TO WARE	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M12	CORR II TO WARE	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M13	CORR I TO WARE	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M14	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M15	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M16	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M17	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M18	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M19	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M20	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M21	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M22	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M23	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M24	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M25	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M26	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M27	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M28	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M29	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M30	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M31	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M32	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M33	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M34	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M35	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M36	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M37	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M38	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M39	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M40	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M41	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M42	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M43	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M44	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M45	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M46	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M47	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M48	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M49	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO
M50	WARE TO EXTERIOR	3'-0"x1'-0"	WOOD	NO	PTD	2"	WOOD	NO	PTD	NO	NO	HIB-	NO

- NOTES:
1. ALL DOORS IN MASONRY WALLS SHALL HAVE WELDED FRAMES
  2. ALL DOORS IN LIGHT-GAGE WALL CONSTRUCTION SHALL HAVE KD. FRAMES
  3. H.M. = HOLLOW METAL
  4. N.L. = NARROW LITE
  5. F. = FLUSH DOOR (H.M.)
  6. F-1 = FLUSH DOOR (WOOD)
  7. H.H.S. = HARDWARE SET
  8. S.C. = SOLID CORE
  9. ALL EXTERIOR H.M. DOORS ARE INSULATED

NOTE DOORS 1 & IT-C & IT-D HAVE BEEN ADDED SINCE BIDS WERE NECT

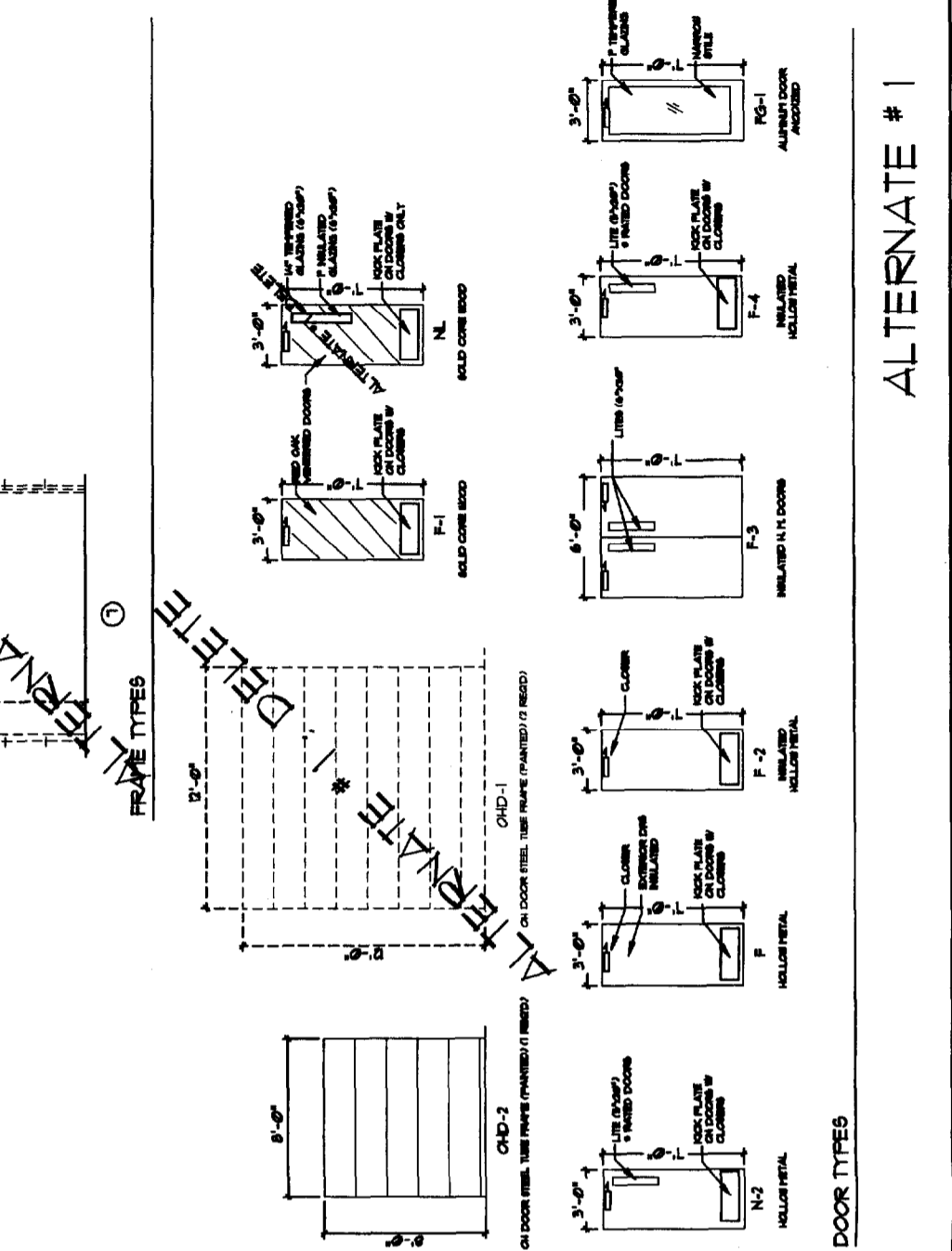
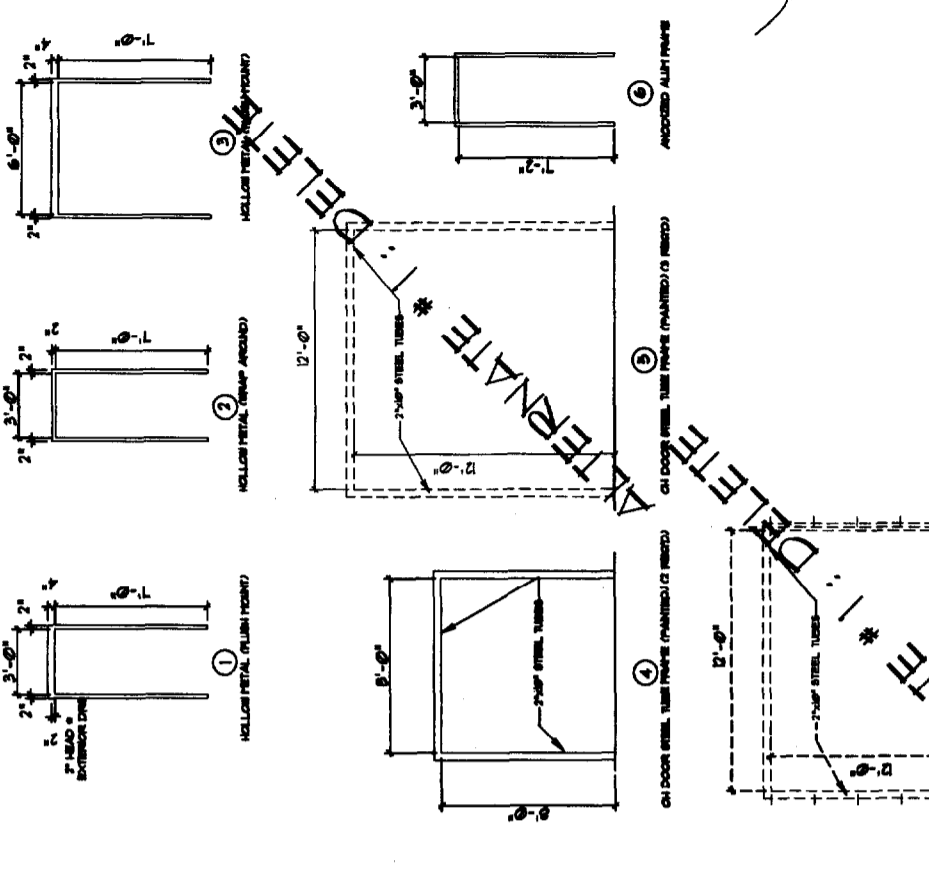
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NO.	DATE	DESCRIPTION
1	11-15-88	ISSUED FOR PERMIT
2	11-15-88	FOR SUBCONTRACTOR
3	11-15-88	FOR ARCHITECTURAL
4	11-15-88	FOR OWNER REVIEW



THEODORE LOGAN AND SONS  
OFFICE AND WAREHOUSE FACILITY  
34 BLUEBERRY ROAD, PORTLAND, MAINE  
SCALE: AS SHOWN  
DATE: 11-15-88  
DRAWING NO. 11-15-88  
CHECKED BY: [Signature]  
APPROVED: [Signature]

SHEET NO. 1  
DATE: 11-15-88  
A-10-A



ALTERNATE # 1

DOOR TYPES

REV'S	DATE	DESCRIPTION	BY	CHKD	APP'D
1	7-11-03	POST BID CHANGES PER OWNERS DIRECTON	PJD	PJD	PJD
0	FEB. 28, 2003	ISSUED FOR BID / CONSTRUCTION	PJD	PJD	PJD

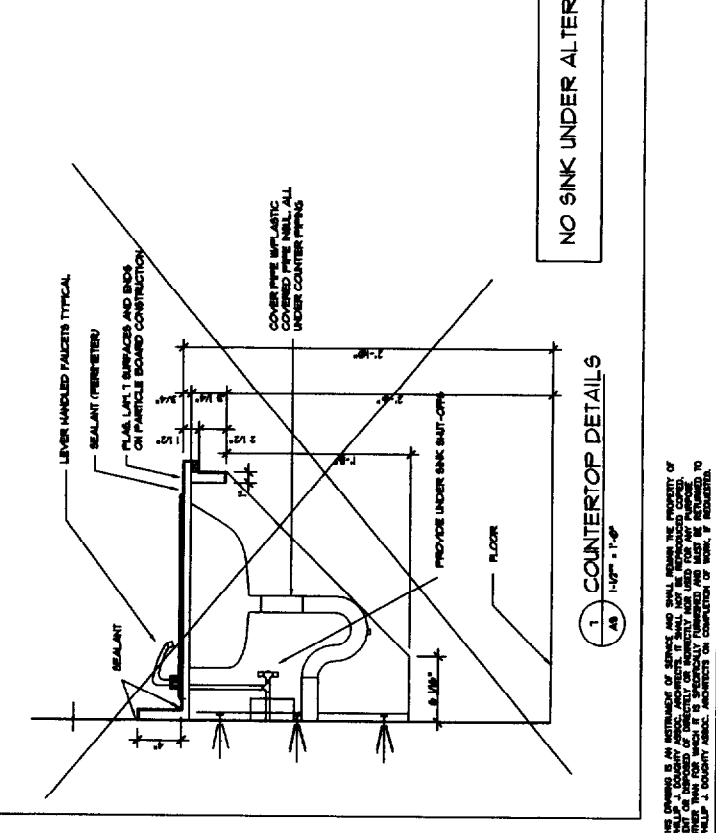
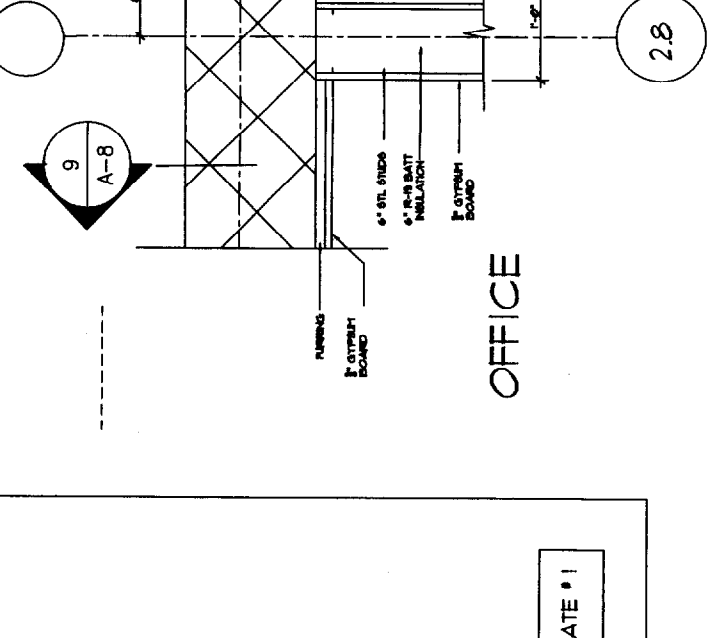
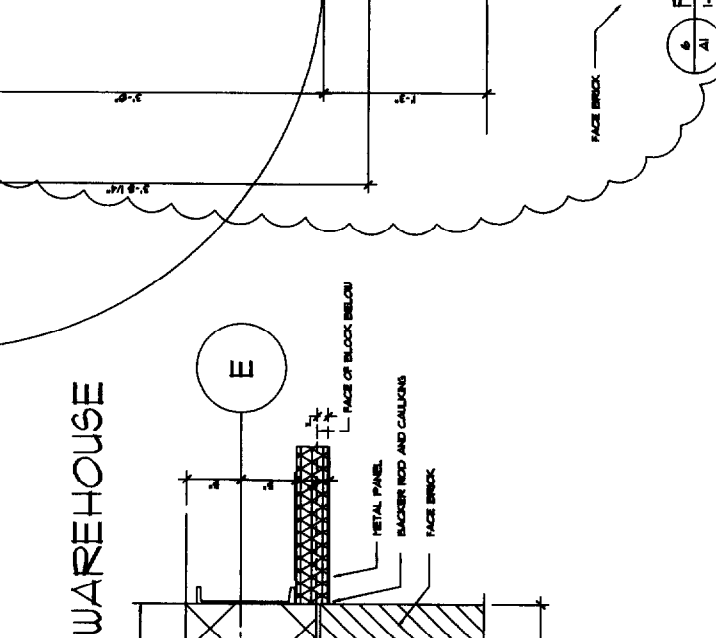
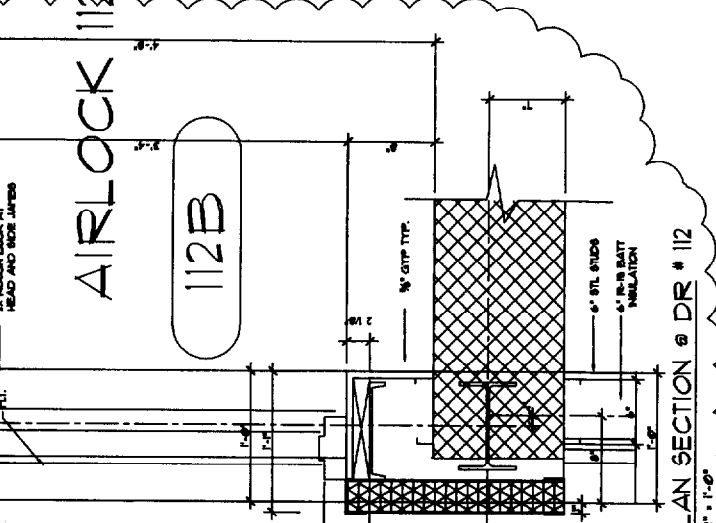
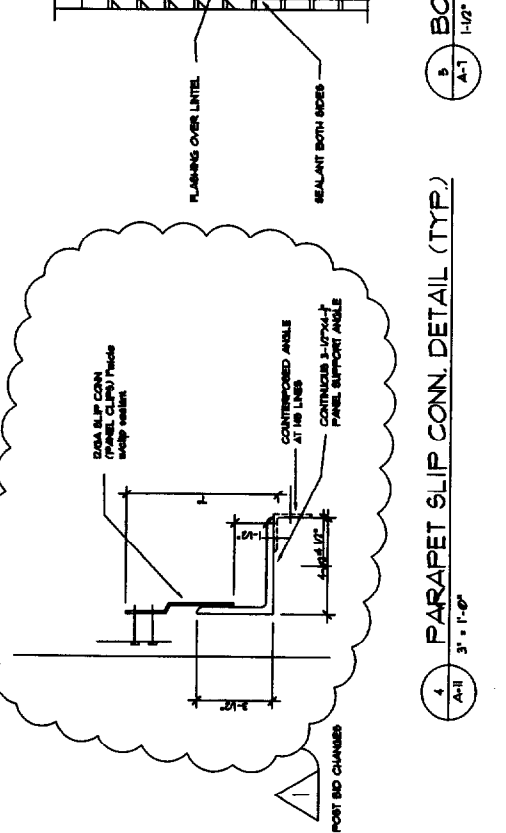
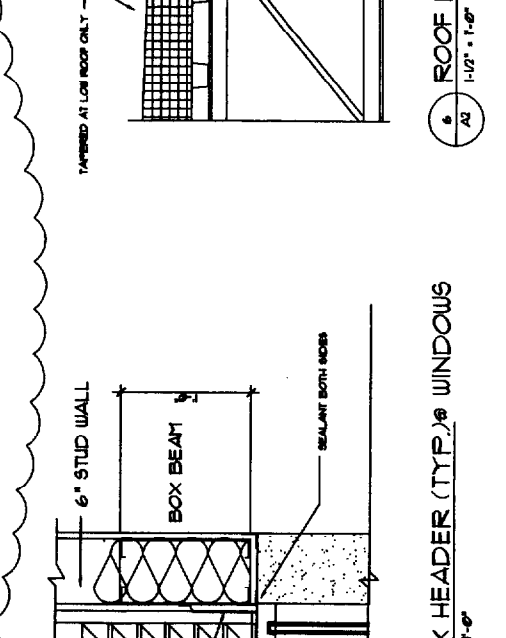
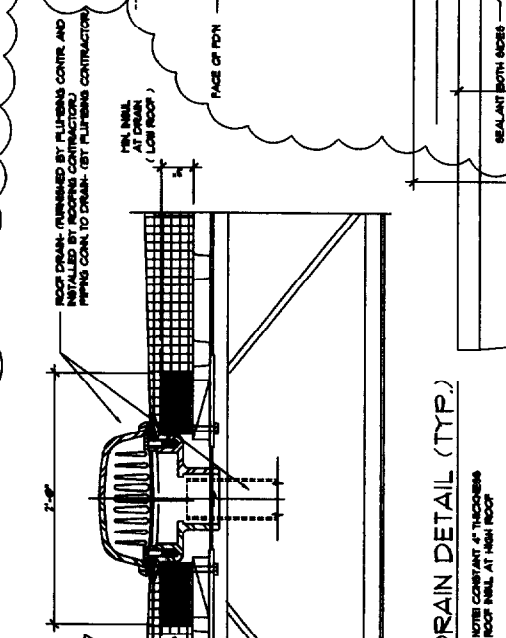
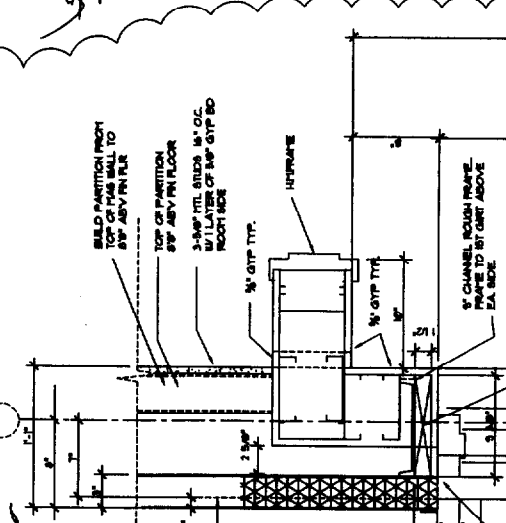
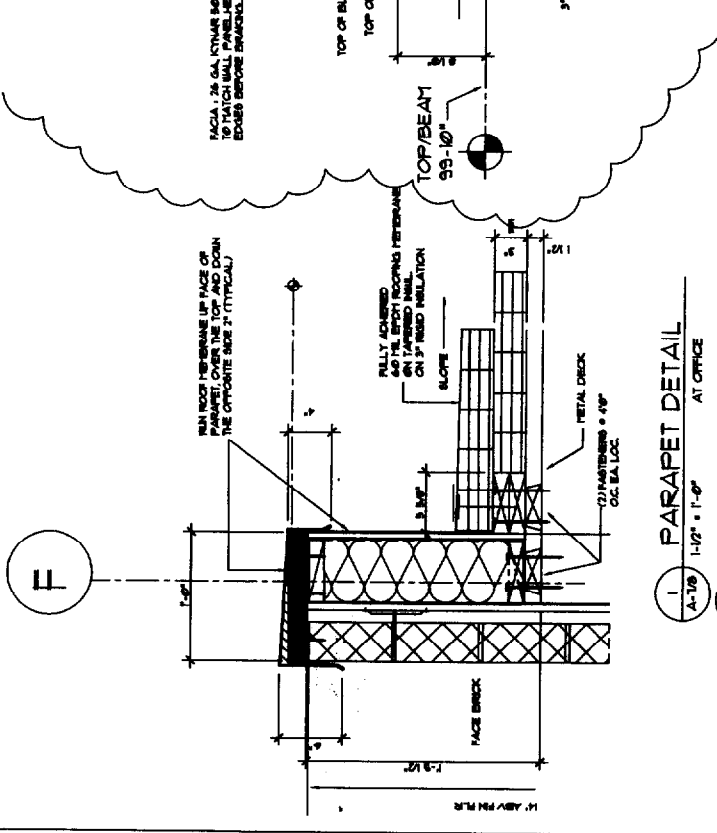
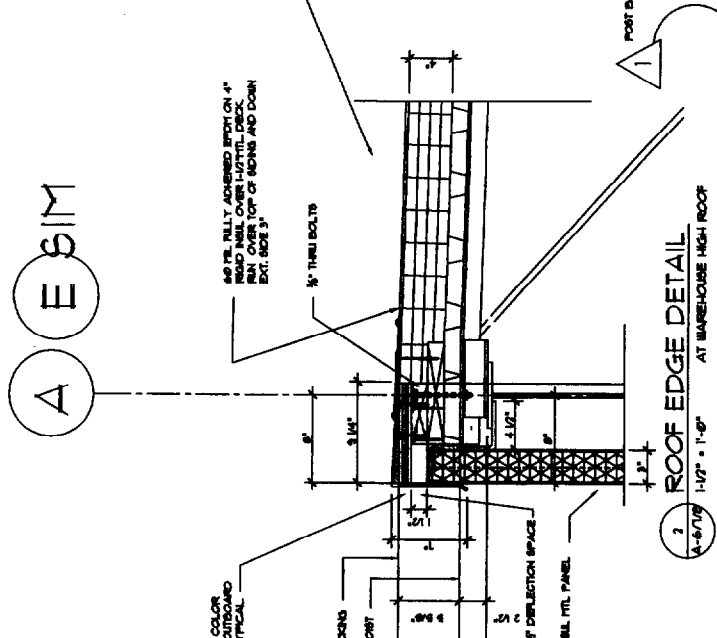
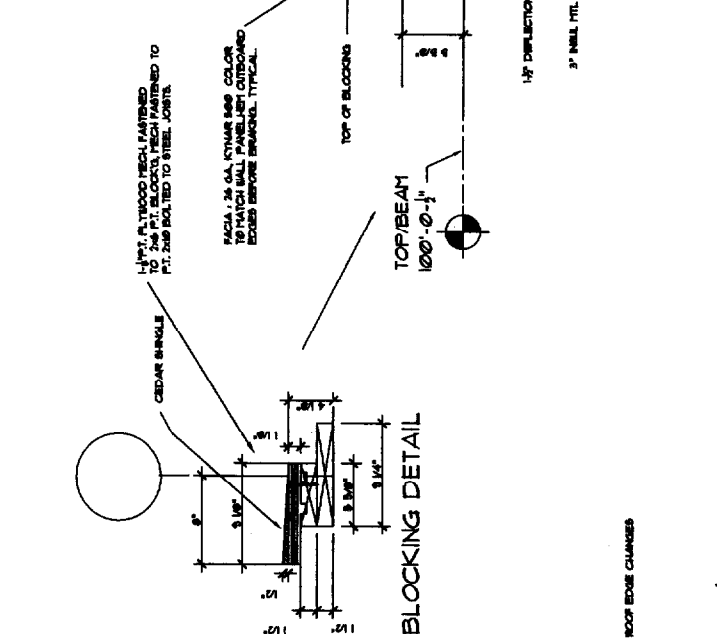
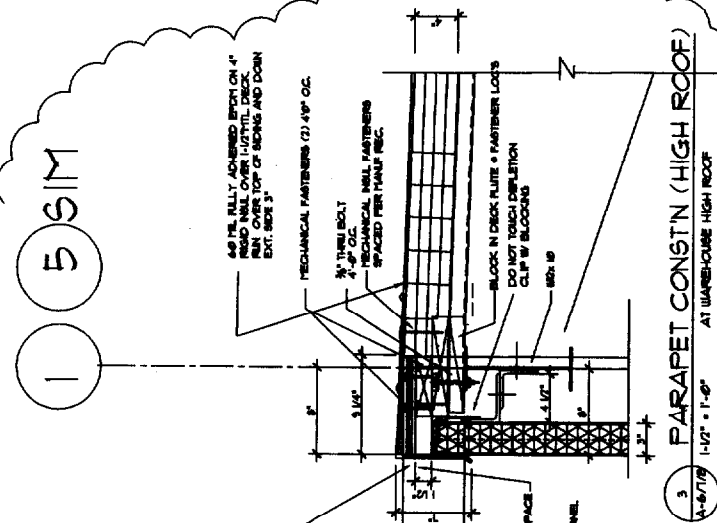
THEODORE LOGAN AND SON  
OFFICE AND WAREHOUSE FACILITY  
34 BLUEBERRY ROAD, PORTLAND, MAINE

PHILLIP J. DOUGHTY ASSOC. ARCHITECTS  
362 U.S. ROUTE ONE, FALMOUTH, MAINE 04103 • 207.781.8346

PROJ: 002-013  
SHEET NO. A-11

SCALE: AS SHOWN  
DATE: FEB 2003  
DESIGNED: PJD  
DRAWN: PJD  
CHECKED: PJD  
APPROVED: PJD

DETAILS



NO SINK UNDER ALTERNATE #1

1 COUNTER TOP DETAILS  
A-1 1/4\"/>

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REV'S		DESCRIPTION		DATE	BY	CHKD	APP'D	DATE

**THEODORE LOGAN AND SON**

FOUNDATION PLAN

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

DATE: 08-1-88

DESIGNED: J.L.M.

DRAWN: M.M.

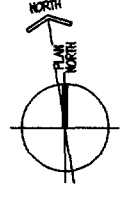
CHECKED: M.M.

APPROVED: [Signature]

PROJ: 002-013

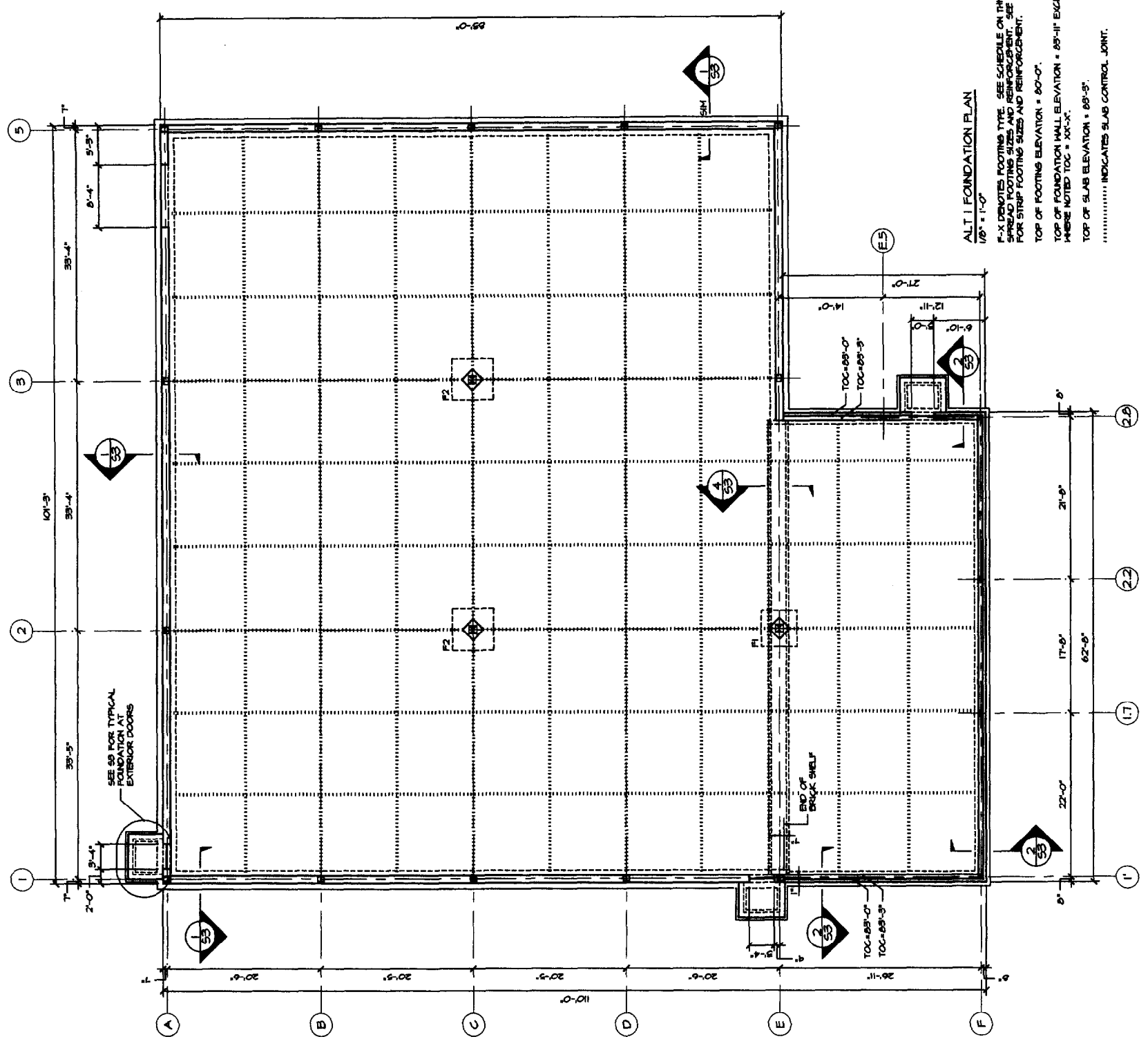
SHEET NO. S-1A

PHILIP J. DOUGHTY ASSOC. ARCHITECTS  
302 U.S. ROUTE ONE, FALMOUTH, MAINE 04103 • 207.781.9346



- GENERAL NOTES:**
- THE NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THESE GENERAL NOTES.
  - STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND PERMITS. ALL ELECTRICAL, PLUMBING, MECHANICAL, AND OTHER TRADES SHALL BE SHOWN ON THESE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF CHANGES, INSERTS, RISERS, SLEEVES, EXPANSIONS AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
  - ALL DIMENSIONS, ELEVATIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD BY THE GENERAL CONTRACTOR. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. THE CONTRACTOR SHALL DETERMINE ALL NECESSARY DIMENSIONS, ELEVATIONS AND CONDITIONS REQUIRED FOR THE FOUNDATION AND FOR THE BUILDING'S COMPLIANCE WITH ALL APPLICABLE PERMITS AND REGULATIONS. ALL DIMENSIONS SHALL ACCURATELY REFLECT THE GENERAL CONTRACTOR'S VERIFICATION OF FIELD CONDITIONS.
  - SHOP DRAWINGS SHALL BE ORIGINAL DRAWINGS PREPARED BY THE GENERAL CONTRACTOR OR A SUBCONTRACTOR. THE SUBMISSION OF THE STRUCTURAL CONTRACT DOCUMENTS FOR USE AS SHOP DRAWINGS IS NOT ACCEPTABLE.
  - THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE GENERAL CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCING TO BE FOLLOWED TO INSURE THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION. THIS INCLUDES THE LOCATION OF NECESSARY SHORING, SLEEVES, TEMPORARY BRACINGS, GUTS AND/OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE GENERAL CONTRACTOR AFTER COMPLETION OF THE BUILDING.
  - SECTIONS AND DETAILS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL AND USED FOR SIMILAR CONDITIONS.
  - THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL FOLLOW ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
- DESIGN CRITERIA:**
- BUILDING CODE:** 1991 BOCA NATIONAL BUILDING CODE
  - DESIGN WIND:**
    - WIND LOADS:**
      - GROUND WIND LOAD, P<sub>g</sub> 60 PSF
      - ROOF WIND LOAD, P<sub>r</sub> 12 PSF
      - WIND SURFACE WIND LOAD, P<sub>s</sub> 42 PSF
      - PLAT ROOF WIND LOAD
    - WIND LOADS:**
      - MAIN WIND-FORCE RESISTING SYSTEM 65 MPH
      - BASIC WIND SPEED, V 145 PSF
      - WIND VELOCITY FACTOR, I C
      - EXPOSURE CATEGORY, II
      - EXPOSURE AND GLAZING C
  - SEISMIC DESIGN DATA:**
    - PEAK VELOCITY RELATED ACCELERATION, A<sub>v</sub> 0.11
    - SEISMIC HAZARD CATEGORY, I
    - SEISMIC HAZARD EXPOSURE GROUP 1
    - SEISMIC PERFORMANCE CATEGORY 5
    - SOIL PROFILE TYPE S
    - SITE SOIL COEFFICIENT, S 1.0
    - RESPONSE MODIFICATION FACTOR, R 1.0
    - DEFLECTION AMPLIFICATION FACTOR, C<sub>d</sub> 4.5
    - ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F1	4'-4" x 4'-4" x 1'-0"	6 #5 E.H. BOT.
F2	3'-0" x 3'-0" x 1'-0"	6 #5 E.H. BOT.



**ALT 1 FOUNDATION PLAN**  
1/8" = 1'-0"

F-X DENOTES FOOTING TYPE. SEE SCHEDULE ON THIS SHEET FOR FOOTING TYPES AND REINFORCEMENT. SEE SECTIONS FOR STRIP FOOTING SIZES AND REINFORCEMENT.

TOP OF FOOTING ELEVATION = 80'-0"

TOP OF FOUNDATION WALL ELEVATION = 85'-11" EXCEPT WHERE NOTED TOC = 10'-0"

TOP OF SLAB ELEVATION = 88'-3"

..... INDICATES SLAB CONTROL JOINT.

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REV. NO.	DESCRIPTION	DATE
0	FOR CONSTRUCTION	APR 28, 2003

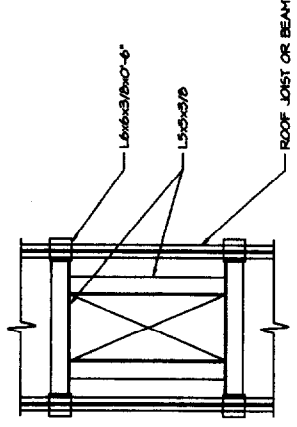
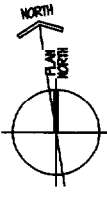
**THEODORE LOGAN AND SON**  
ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"  
DATE: 11/11/02  
DESIGNED: M.L.M.  
DRAWN: M.L.M.  
CHECKED: M.L.M.  
APPROVED: M.L.M.

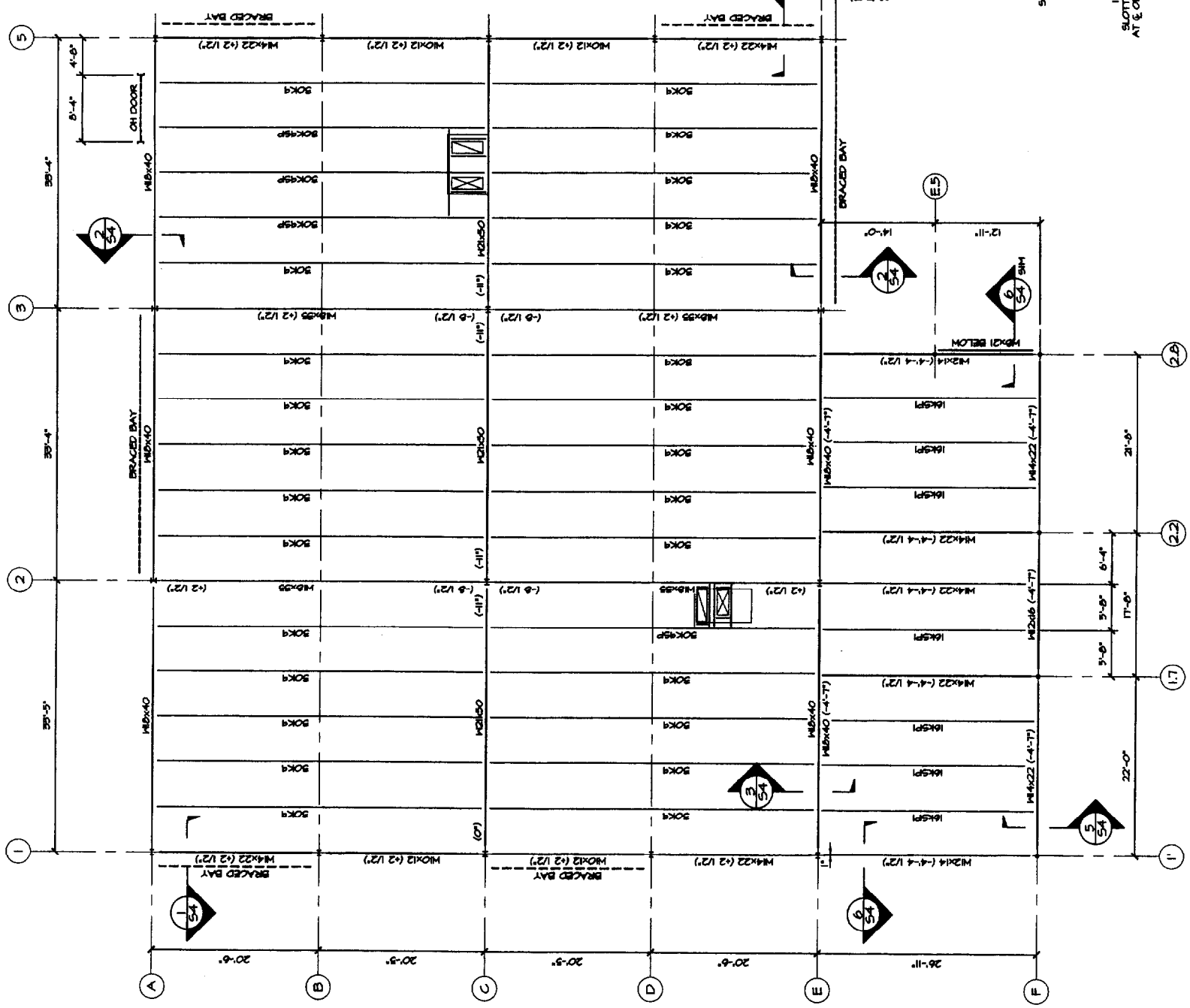
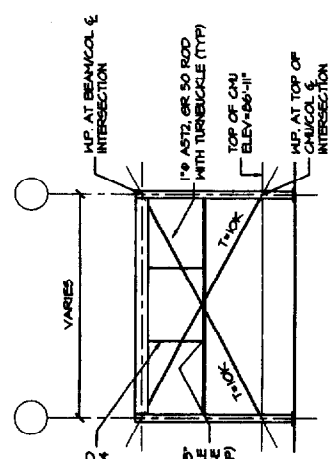
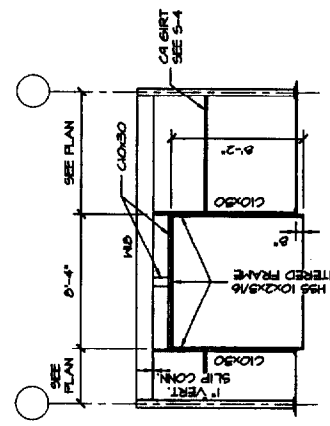
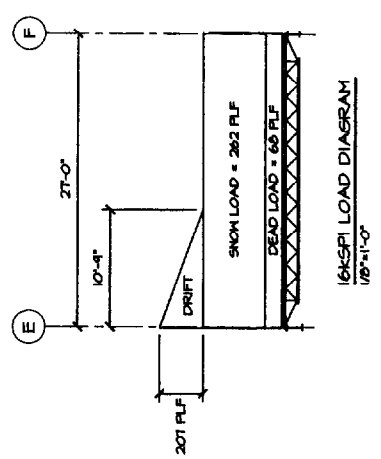
PHILIP J. DOUGHTY ASSOC. ARCHITECTS  
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PROJ. NO. 002-013  
SHEET NO. 3  
S-2A

ROUGH OPENING	LINTEL SIZE
UP TO 3'-4"	GALVANIZED L-4x3 1/2x3/8 LLV
3'-5" TO 6'-4"	GALVANIZED L-5x3 1/2x3/8 LLV
UP TO 6'-4"	8" LINTEL BLOCK WITH (2) #5
UP TO 12'-0"	12" LINTEL BLOCK WITH (2) #6



TYPICAL ROOFTOP OPENING FRAME  
NO SCALE  
COORDINATE SIZE AND LOCATION WITH EQUIPMENT



ALT I ROOF FRAMING PLAN  
1/8" = 1'-0"  
TOP OF STEEL ELEVATION = 66'-10"  
UNLESS NOTED (3x-3")

2x4x8P AND SOK3xP STEEL JOISTS SHALL BE DESIGNED FOR A DEAD LOAD OF 12 PSF PLUS A SNOW LOAD OF 42 PSF PLUS THE 500 LB CONCENTRATED LOADS LOCATED ANYWHERE ALONG THE TOP CHORD.

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REV'S N.	DESCRIPTION	DATE	BY	CHKD	APP'D	DATE

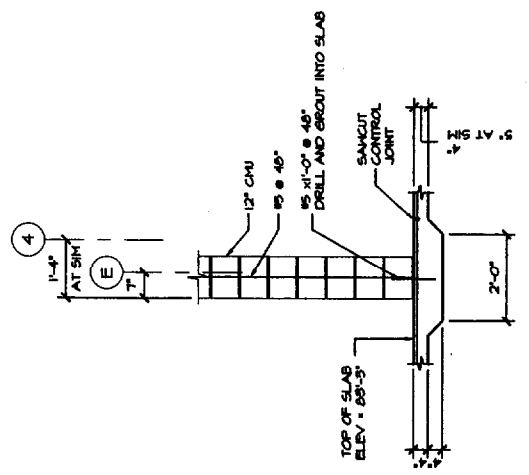
**FOUNDATION SECTIONS AND DETAILS**

THEODORE LOGAN AND SON

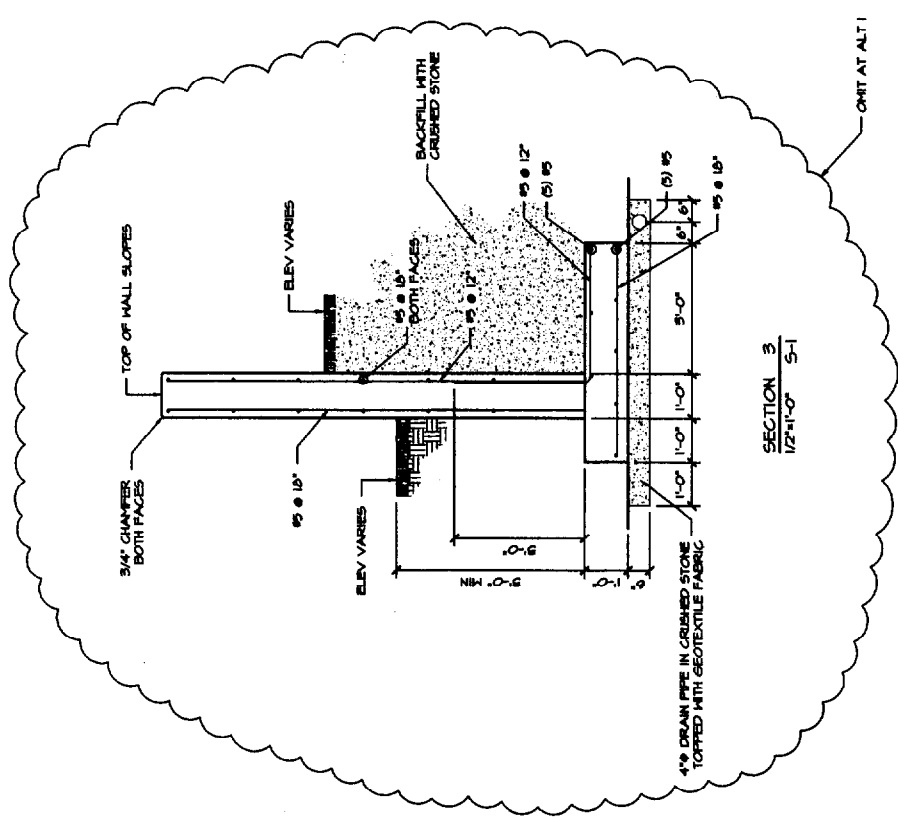
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 CHECKED: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 DESIGNED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SCALE: \_\_\_\_\_

PHILLIP J. DOUGHTY ASSOC. ARCHITECTS  
 ADDRESS: 302 U.S. ROUTE ONE, FALMOUTH, MAINE 04103 • 207.781.3340

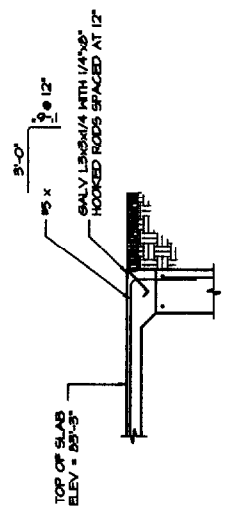
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 SHEET NO. S-3



SECTION 4  
1/2"=1'-0" S-1

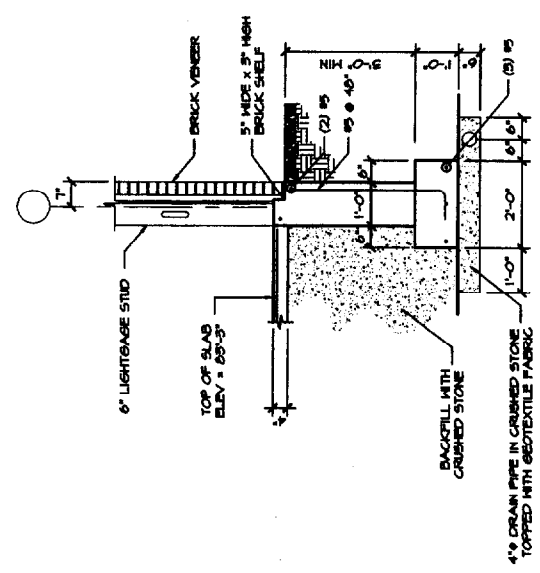


SECTION 3  
1/2"=1'-0" S-1

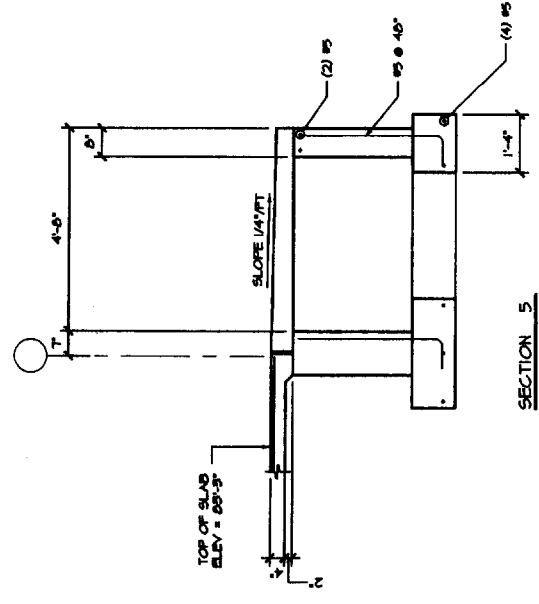


SECTION AT OVERHEAD DOORS  
1/2"=1'-0"

SEE SECTION 1 FOR ADDITIONAL INFORMATION  
 SEE 3/16\"/>

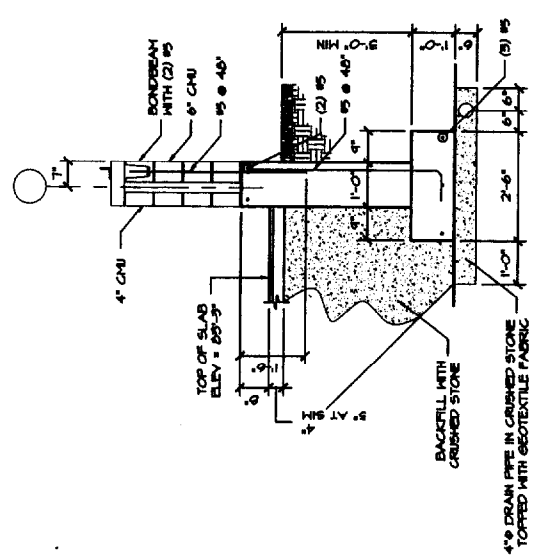


SECTION 2  
1/2"=1'-0" S-1

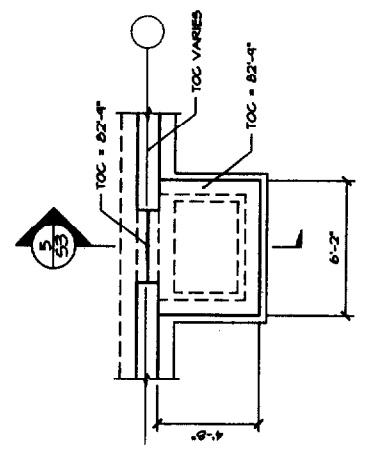


SECTION 5  
1/2"=1'-0" S-3

SEE SECTIONS 1 AND 2 FOR ADDITIONAL INFORMATION



SECTION 1  
1/2"=1'-0" S-1



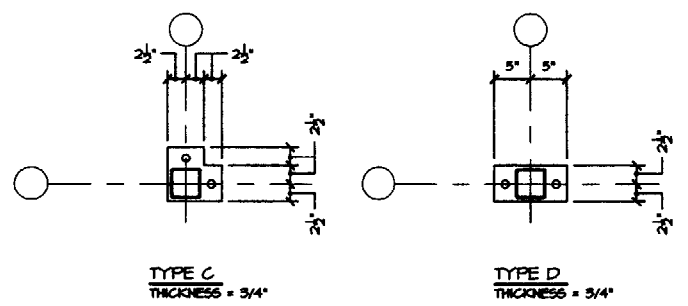
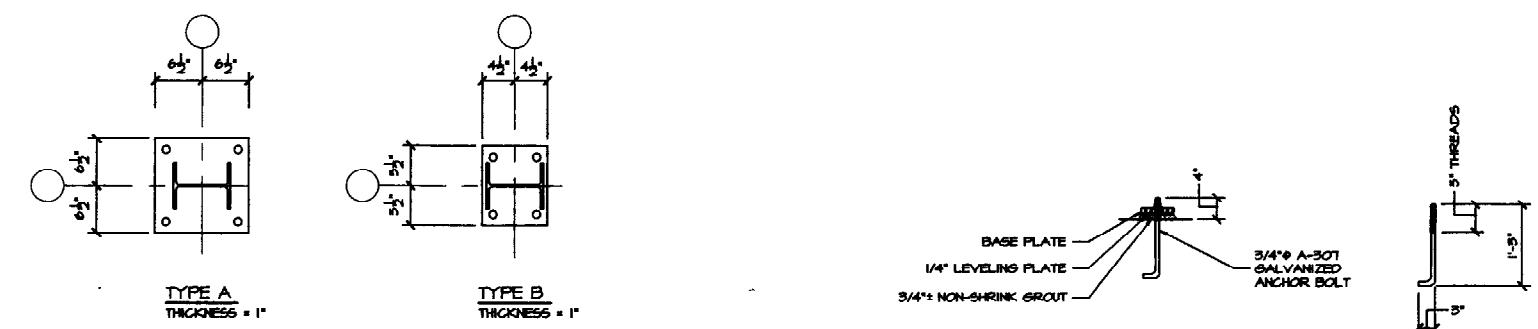
TYPICAL FOUNDATION PLAN FOR DOOR LOCATIONS  
1/4"=1'-0"

SEE FOUNDATION PLAN FOR DOOR LOCATIONS

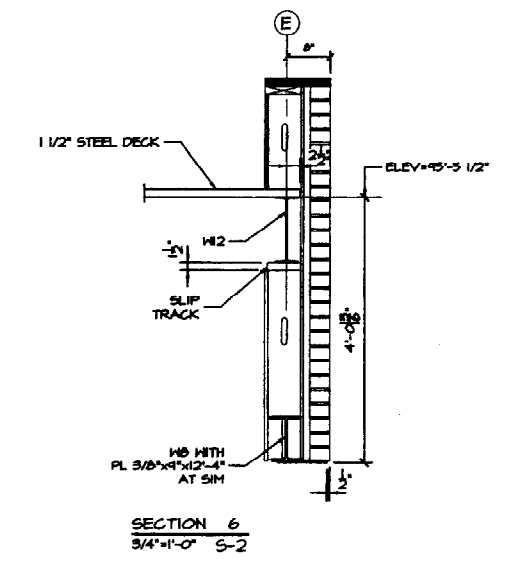
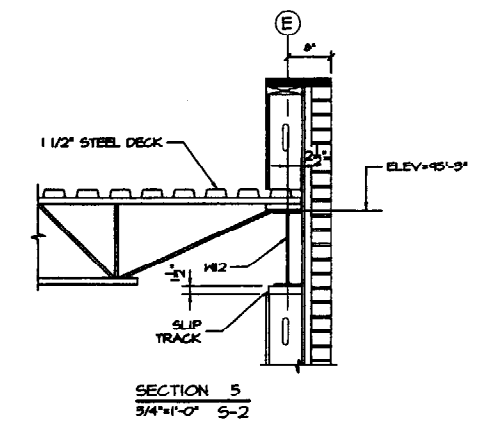
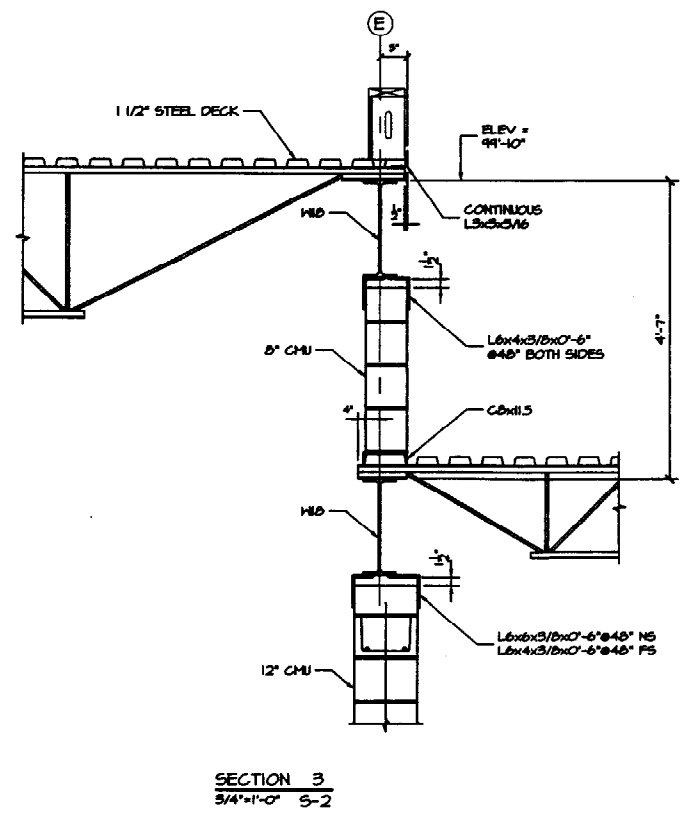
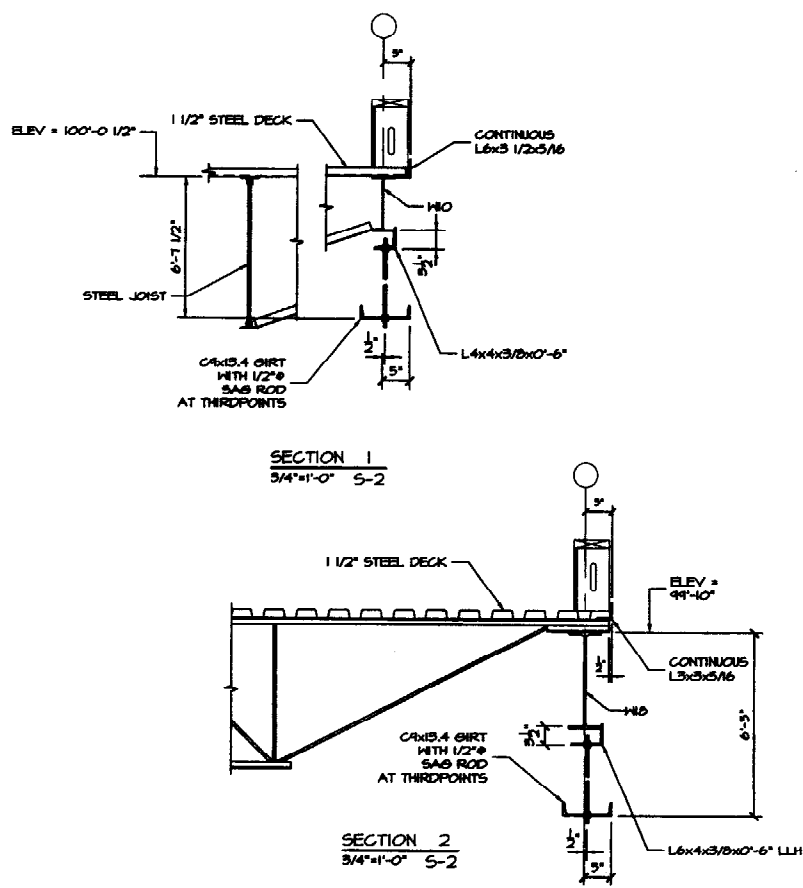
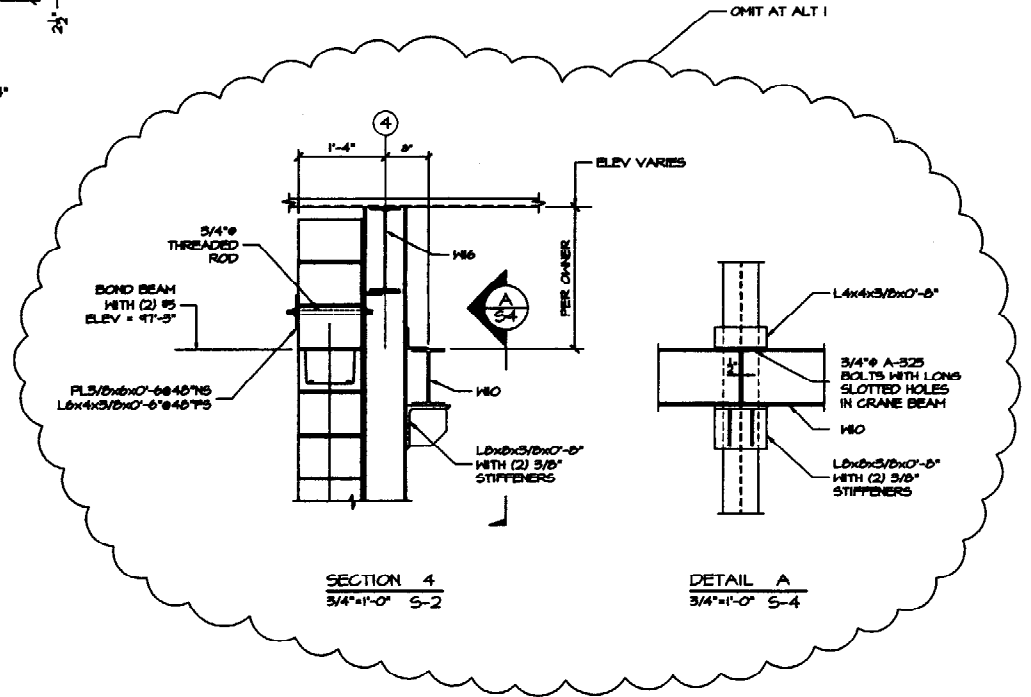
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COLUMN SCHEDULE					
COLUMN MARK	SIZE	BOT. OF BASE PL. ELEV.	BASE PL. TYPE	TOP OF COLUMN ELEV.	COMMENTS
A-1	H8x21	84'-0"	B	100'-0 1/2"	
A-2	H8x24	84'-0"	B	100'-0 1/2"	
A-3	H8x24	84'-0"	B	100'-0 1/2"	
A-4	H8x24	84'-0"	B	100'-0 1/2"	OMIT AT ALT 1
A-5	H8x21	84'-0"	B	100'-0 1/2"	
B-1	H8x18	84'-0"	B	100'-0 1/2"	
B-4	H8x18	82'-8"	A	99'-7"	OMIT AT ALT 1
B-5	H8x18	84'-0"	B	100'-0 1/2"	
C-1	H8x24	84'-0"	B	100'-0 1/2"	
C-2	H8x24	82'-8"	A	99'-1 1/2"	
C-3	H8x21	82'-8"	A	100'-0 1/2"	
C-4	H8x24	82'-8"	A	99'-1 1/2"	OMIT AT ALT 1
C-5	H8x24	84'-0"	B	100'-0 1/2"	
D-1	H8x18	84'-0"	B	100'-0 1/2"	
D-4	H8x18	82'-8"	A	99'-7"	OMIT AT ALT 1
D-5	H8x18	84'-0"	B	100'-0 1/2"	
E-1	H8x18	84'-0"	B	100'-0 1/2"	
E-2	H8x21	82'-8"	A	100'-0 1/2"	
E-3	H8x24	84'-0"	B	100'-0 1/2"	
E-4	H8x24	84'-0"	B	100'-0 1/2"	OMIT AT ALT 1
E-5	H8x21	84'-0"	B	100'-0 1/2"	
E5-2.0	H554x4x0.1875*	85'-4"	D	44'-5 5/8"	
F-1	H554x4x0.1875*	85'-4"	C	45'-5 1/2"	
F-1.7	H554x4x0.1875*	85'-4"	D	45'-5 1/2"	
F-2.2	H554x4x0.1875*	85'-4"	D	45'-5 1/2"	
F-2.8	H554x4x0.1875*	85'-4"	C	45'-5 1/2"	

COLUMNS NOTED \* ARE STEEL POSTS AS DEFINED BY OSHA STEEL ERECTION STANDARDS. BASE ANCHORAGE FOR STEEL POSTS ARE NOT DESIGNED TO CARRY ECCENTRIC ERECTION LOADS.



BASE PLATE DETAILS  
1\"/>



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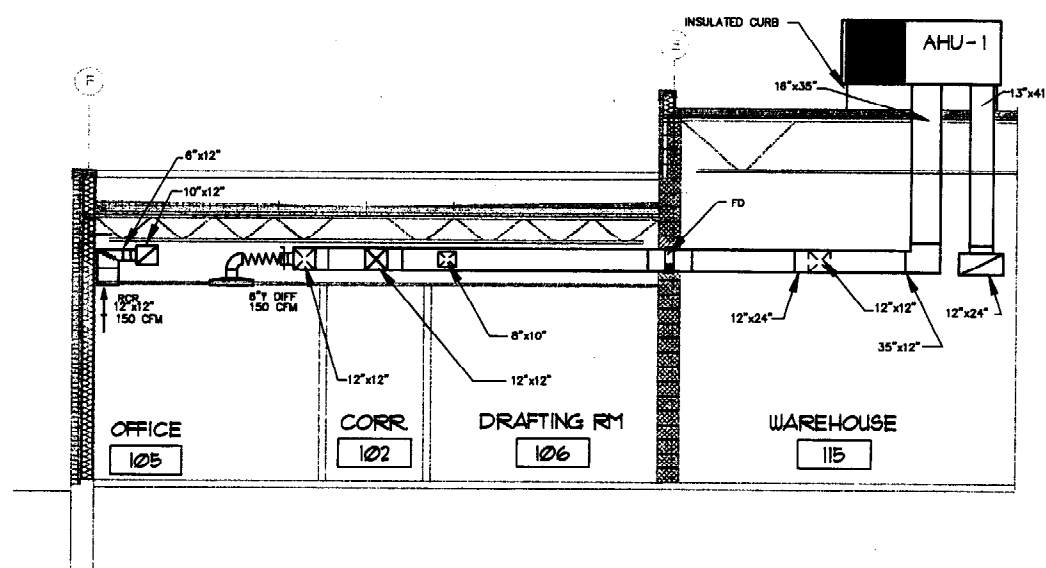
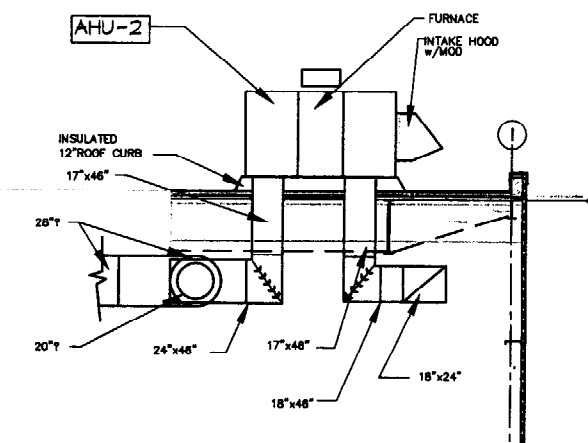
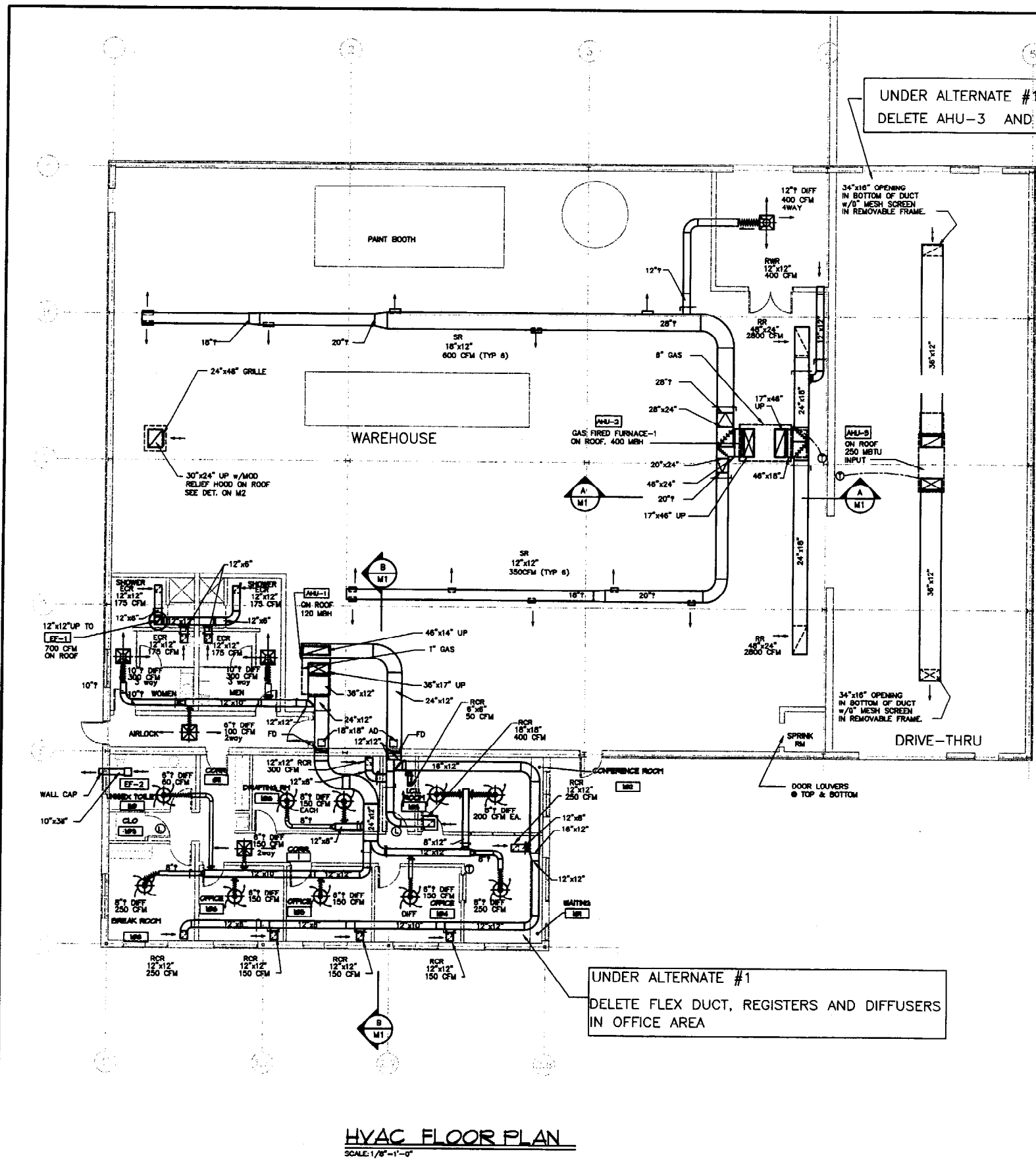
PROJ. 002-013	SHT. 04
SHEET NO.	S-4

THEODORE LOGAN AND SON

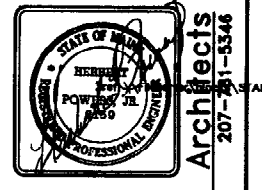
PHILIP J. DOUGHTY ASSOC. ARCHITECTS  
362 U.S. Route One, Falmouth, Maine 04103 • 207. 781. 8346



C:\PROJECTS\02D-001\DRAWING\BALT\ACOR\ALTS\MECH\SYSTEMS\HVAC\10216-HI.DWG, 4/11/2003 3:23:23 PM



DATE	2/22/03
APPV'D	
CHK BY	
DWN BY	
DES BY	
DATE	
AS NOTED	



**MECHANICAL FLOOR PLAN**  
SECTION A-A & B-B

**THEODORE LOGAN AND SON**

**RJDA • Philip J. Doughty Associates**  
364 U.S. Route One • Falmouth, ME 04103 • 207-551-5346

SCALE: AS NOTED  
DATE: FEB. 22, 2003  
DES BY: P.O.  
DWN BY: P.O.  
CHK BY: H.L.P.  
APPV'D:

PROJ	020001	SHT	of
DWG.NO.			
M1			

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**MECHANICAL SYSTEMS ENGINEERS**  
ROYAL RIVER CENTER, UNIT #10  
10 FOREST FALLS DRIVE  
YARMOUTH, MAINE 04098  
VOICE: (207) 848-1441  
FAX: (207) 848-1443  
mechsys@maine.rr.com  
© 2003 MESE

### GENERAL NOTES

- HVAC Contractor shall coordinate work with all other trades.
- All piping and ductwork shall be run concealed and on warm side of building insulation unless noted otherwise.
- All ductwork is shown diagrammatically. Exact locations are to be determined in the field.
- All duct sizes indicated are sheet metal (outside) dimensions.
- All cutting and patching shall be provided by the General Contractor.
- All square elbows in ductwork SHALL HAVE airfoil turning vanes.
- Refer to reflected ceiling plan for exact location of all ceiling registers, grilles and diffusers.
- All fire dampers and motor operated dampers shall have access doors as large as possible up to 12"x12".
- All dimensions are approximate and are to be field verified.

### AIR HANDLING UNIT SCHEDULE

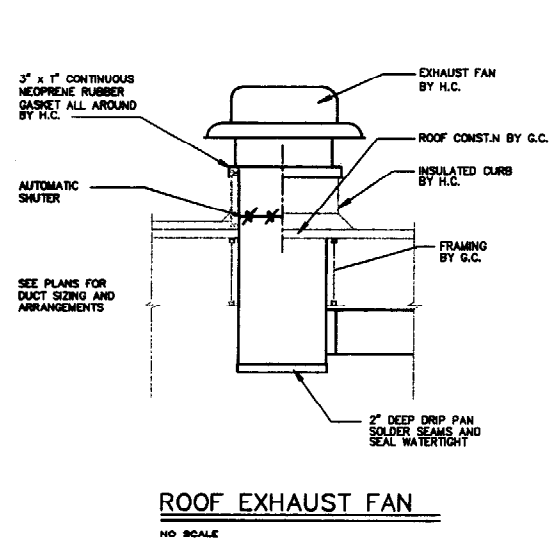
TAG	AREA SERVED	KW	CFM	SP	RPM	HP	ELECTRIC	HEATING GAS			COOLING		POWER EXHAUST		FURNACE EXHAUST		REMARKS				
								STAGE	INPUT MBH	OUTPUT MBH	EDB	EWB	SEN MBH	TOT MBH	HP	RPM		ELECTRIC	HP	RPM	ELECTRIC
AHU-1	OFFICES	6.8	2500	1.25	1154	2.0	208/60/3?	2	205/150	166/122	84	67	65.8	72.5	3/4	1100	208/60/3?	1/20	3350	120/60/1?	
AHU-2	WAREHOUSE	N/A	6000	1.0	1040	3.0	208/60/3?	1	400	308					2	1725	208/60/3?	-	-	-	
AHU-3	DRIVE-THRU	N/A	2700	1.0	965	10	208/60/3?	1	250	197.5					-	-	-	1/20	3350	120/60/1?	DELETE UNDER

### FAN SCHEDULE

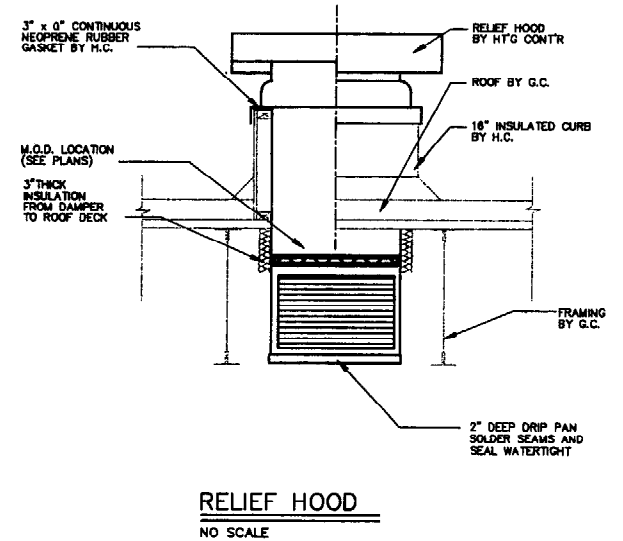
TAG	AREA SERVED	TYPE	CFM	SP	RPM	SONES	HP	ELECTRIC	REMARKS
EF-1	TOILET 113,114	ROOF CENTRIFUGAL	700	.5	1100	5.6	1/4	120/60/1?	
EF-2	TOILET 110	CEILING IN-LINE	100	.25	1500	-	100 watts	120/60/1?	

### SYMBOLS AND ABBREVIATIONS

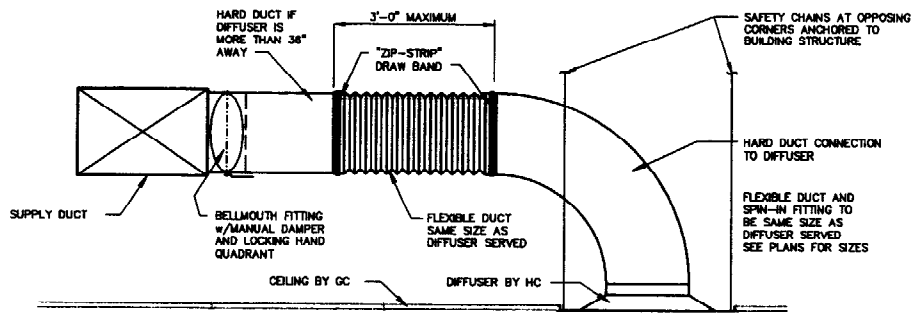
AC	AIR CONDITIONING	LAT	LEAVING AIR TEMPERATURE	⊕	THERMOSTAT
AD	ACCESS DOOR	LDB	LEAVING DRY BULB	⊖	MANUAL DAMPER
AFF	ABOVE FINISH FLOOR	MOD	MOTOR OPERATED DAMPER	⊗	FLEXIBLE DUCT
AHU	AIR HANDLING UNIT	NTS	NOT TO SCALE	⊙	LAY-IN DIRECTIONAL DIFFUSER
AP	ACCESS PANEL	OA	OUTDOOR AIR	⊕	LAY-IN ROUND DIFFUSER
APD	AIR PRESSURE DROP	PC	PLUMBING CONTRACTOR	⊗	SUPPLY AIR DUCT
ATC	AUTOMATIC TEMP. CONTROL	R	RETURN	⊙	RETURN / RELIEF AIR DUCT
BD	BACKDRAFT DAMPER	RA	RETURN AIR	⊕	
BJ	BAR JOIST	RCR	RETURN CEILING REGISTER	⊖	
DIFF	DIFFUSER	RWR	RETURN WALL REGISTER	⊗	
EAT	ENTERING AIR TEMPERATURE	RWV	RESET WATER VALVE	⊙	
EC	ELECTRICAL CONTRACTOR	S	SUPPLY	⊕	
ECR	EXHAUST CEILING REGISTER	SA	SUPPLY AIR	⊖	
EDB	ENTERING DRY BULB	SC	SITE CONTRACTOR	⊗	
EF	EXHAUST FAN	SF	SUPPLY FAN	⊙	
ER	EXHAUST REGISTER	SP	STATIC PRESSURE	⊕	
ESP	EXTERNAL STATIC PRESSURE	SR	SUPPLY REGISTER	⊖	
EWB	ENTERING WET BULB	T	THERMOMETER	⊗	
FC	FLEXIBLE CONNECTOR	TC	TEMPERATURE CONTROL	⊙	
FD	FIRE DAMPER	TCP	TEMPERATURE CONTROL PANEL	⊕	
FV	FACE VELOCITY	TSP	TOTAL STATIC PRESSURE	⊖	
GC	GENERAL CONTRACTOR	T'STAT	THERMOSTAT	⊗	
HC	HEATING CONTRACTOR	TV	TURNING VANE	⊙	
L	LOUVER	UC	UNDERCUT	⊕	



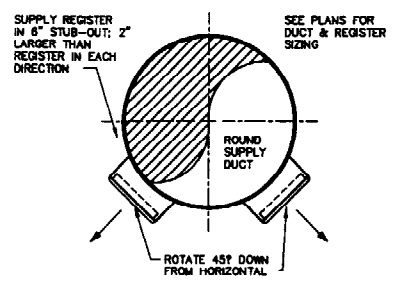
ROOF EXHAUST FAN  
NO SCALE



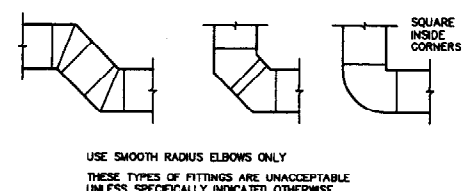
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FLEXIBLE DUCT & DIFFUSER CONNECTION DETAIL  
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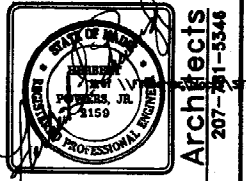


WAREHOUSE SUPPLY REGISTER DETAIL  
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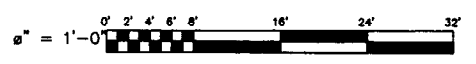
REV	DESCRIPTION	DATE
0	ISSUED FOR BID / CONSTRUCTION	2/22/03



MECHANICAL GENERAL NOTES, ABBREVIATION SCHEDULES AND DETAILS  
THEODORE LOGAN AND SON  
RDA • Phillip J. Doughty Associates • Falmouth, ME. 04105  
364 U.S. Route One  
SCALE: AS NOTED  
DATE: FEB. 22, 2003  
DES BY: P.O.  
DWN BY: P.O.  
CHK BY: H.L.P.  
APPV'D:

PROJ	020001	SHT	of
DWG.NO.	M2		

MECHANICAL SYSTEMS ENGINEERS  
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mechsys@maine.rr.com



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**MECHANICAL SYSTEMS ENGINEERS**  
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 TEL: (603) 752-1441  
 FAX: (603) 752-1442  
 mschep@mechse.com  
 © 2003 MESE

0" = 1'-0"  
 0" 2" 4" 6" 8" 10" 12" 14" 16" 18" 20" 22" 24" 26" 28" 30"

**P1**  
 DWG. NO.  
 020001  
 SHEET  
 OF

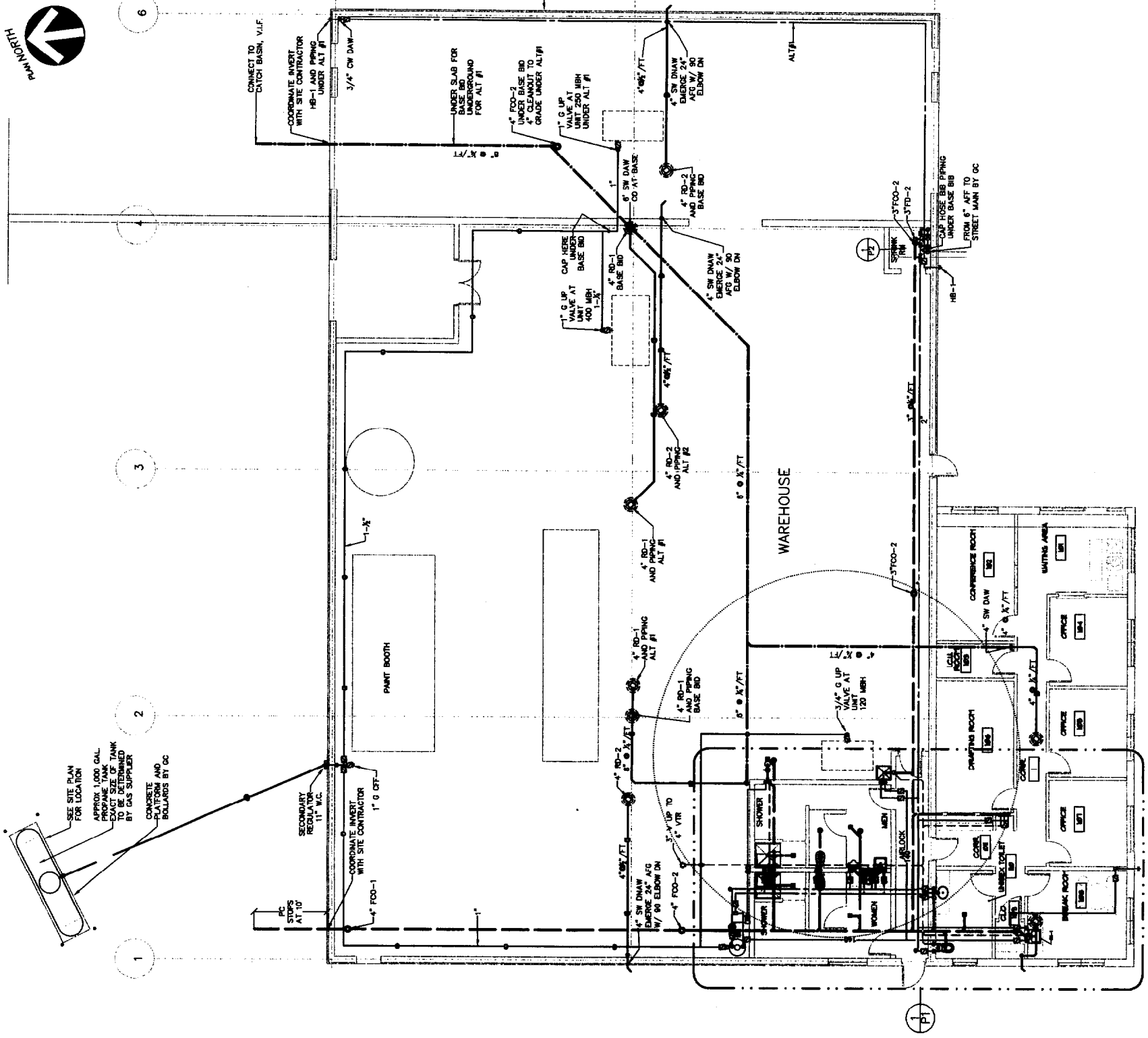
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 DATE: FEB. 22, 2003  
 DES BY: E.J.P.  
 DWN BY: E.J.P.  
 CHK BY: H.L.P.  
 APPV. D.

**PLUMBING FLOOR PLAN**  
**THEODORE LOGAN AND SON**  
 364 U.S. Route One  
 Falmouth, ME. 04103  
**Architects**  
 207-781-5348

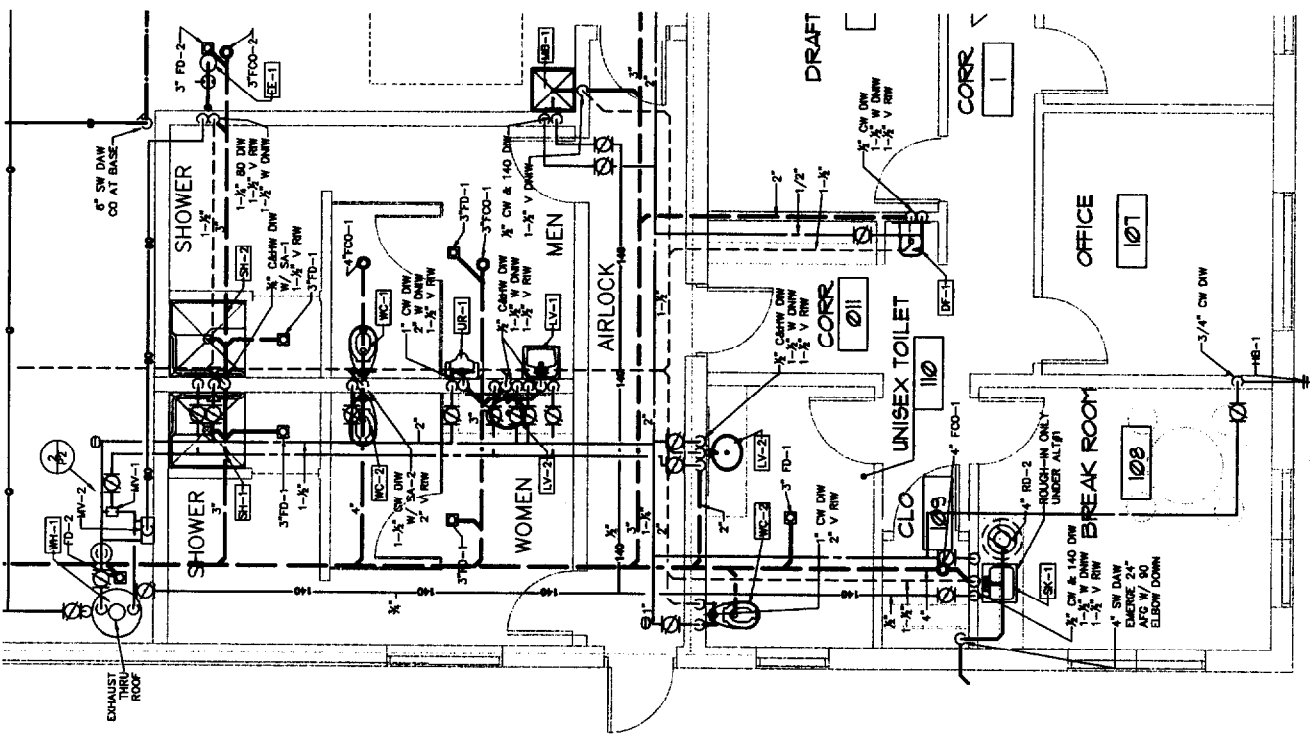


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0	ISSUED FOR BID CONSTRUCTION				

**2 P1**  
**PLUMBING FLOOR PLAN #1**  
 SCALE: 1/8" = 1'-0"



**1 P1**  
**ENLARGED FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"



### GENERAL NOTES

- All work shall be in accordance with the Maine State Plumbing Code, local codes and ordinances, National Fire Code (NFPA), or these plans or specifications, whichever is more strict.
- All drawings are schematic only, and are intended to indicate the intent, extent, and general arrangement of work. They are not meant to show every fitting, change of direction or every situation. Verify locations in the field. Work indicated shall be furnished complete to perform the function intended.
- Carefully coordinate the space requirements and location of piping with the other trade contractors. If coordination fails, conflicts will be decided in favor of the other contractors with this contractor relocating his piping and equipment at no expense to the Owner.
- All plumbing fixtures shall be back vented. This contractor shall make all final plumbing connections to equipment/ fixtures provided by other contractors.
- For pipe sizes not shown on floor plans: refer to adjacent or enlarged plumbing plans, then appropriate schedules, details, diagrams, specifications, and equipment/ fixture connection sizes. For otherwise indeterminate pipe segments, the size shall be the same as the largest adjacent segment. Pipe sizes are nominal (not O.D.) unless specifically noted otherwise.
- All piping shall run concealed above ceilings, in walls, in soffits and in chases unless noted otherwise.
- No structural members shall be cut without approval of the Architect.
- All plumbing shall be supported from the building structure. All piping 2" and larger shall be supported from the top chord of bar joists. All piping drops to fixtures shall be anchored solid to walls with a steel support bracket with adjustable clip.
- All water piping shall be installed parallel to building lines and pitched to low points. Provide drop-offs at low points. Piping shall be run neatly grouped together when practical.
- All piping through roofs, masonry walls and partitions shall have steel pipe sleeves. Spacing between pipes and sleeves shall be caulked and sealed airtight and water tight. All pipe penetrations through a fire rated wall or floor shall be cast iron, steel or copper and rated to match the rating of the wall, as per the NFPA.
- All wall fixtures shall be carrier mounted unless otherwise specified.
- All storm and domestic water piping, unless buried or specified otherwise, shall be insulated.
- Run all water piping on warm side of building insulation. No water, waste or storm lines shall be run in exterior walls, unless directly indicated.
- Provide shock absorbers as shown on drawings and where required to avoid water hammer, sizes shall conform to P.D.I. standards.
- All sanitary waste piping less than 3" shall pitch down at 1/8" per L.F. All 3" and larger piping shall pitch at 1/4" per L.F. whenever possible. The piping main from where it enters the building to the furthest point in the system shall pitch down at 1/8" per L.F. unless indicated otherwise. No sanitary/ waste piping under slab shall be less than 2" in diameter.

### PLUMBING FIXTURE SCHEDULE

SYMBOL	TAG	FIXTURE	CW	HW	S / W	V	REMARKS	MIN'TD AFF
WC	WC-1	WATER CLOSET, WALL, HDC	1"	-	4"	2"	1/8 GPF EXPOSED FV W/TP, VC, ELONGATED, TOP SPOUT, WALL CARRIER MOUNTED, W/SEAT	ADA HEIGHT RM 34"
WC	WC-2	WATER CLOSET, WALL, RIGHT HANDED, HDC	1"	-	4"	2"	1/8 GPF EXPOSED FV W/TP, VC, ELONGATED, TOP SPOUT, WALL CARRIER MOUNTED, W/SEAT	ADA HEIGHT RM 34"
UR	UR-1	URNAL, WALL	1"	-	2"	1-1/2"	1 GPF FV, VC, WALL CARRIER MOUNTED	STANDARD RM 24"
LV	LV-1	LAVATORY, WALL, ADULT, HDC	1/2"	1/2"	1-1/2"	1-1/2"	VC, CTRR MNTD, SINGLE HANDLE FAUCET	ADA HEIGHT RM 34"
LV	LV-5	LAVATORY, COUNTERTOP, ADULT, HDC	1/2"	1/2"	1-1/2"	1-1/2"	VC, CTRR MNTD, SINGLE HANDLE FAUCET	CTR HEIGHT
SK	SK-1	SINK, SINGLE BOWL, KITCHEN, HDC	1/2"	1/2"	1-1/2"	1-1/2"	SS, CTRR MNTD, KITCHEN FAUCET W/ SPRAY	CTR HEIGHT
MB	MB-1	MOP BASIN	1/2"	1/2" 140	3"	1-1/2"	MOLDED STONE, 24"x24"x10" FLOOR MNTD, W/ SERVICE FAUCET	FAUCET 34"
SH	SH-1	SHOWER, LEFT HANDED, HDC	1/2"	1/2"	2"	1-1/2"	FIBERGLASS STALL, HAND HELD AND REGULAR HEADS	VALVE 44"
SH	SH-2	SHOWER, RIGHT HANDED, HDC	1/2"	1/2"	2"	1-1/2"	FIBERGLASS STALL, HAND HELD AND REGULAR HEADS	VALVE 44"
DF	DF-1	DRINKING FOUNTAIN, HDC	1/2"	-	1-1/2"	1-1/2"	W/ CARRIER	ADA RIMS 54" 84"
EE	EE-1	EMERGENCY SHOWER AND EYEWASH, HDC	-	1-1/2" 80	1-1/2"	1-1/2"		

### SPECIALTIES SCHEDULE

TAG	FIXTURE	IN	OUT	ODW	OTHER	VOLTS/PH	REMARKS
BFP-1	BACKFLOW PREVENTER REDUCED PRESSURE ZONE	2"	2"	3/4"	-	-	W/ BALL VALVES
BFP-2	BACKFLOW PREVENTER MECHANICAL EQUIPMENT	3/4"	3/4"	3/4"	-	-	
FOO-1	FLOOR CLEANOUT GENERAL ROUND	-	SIZE OF PIPE UP TO 4"	-	-	-	ROUND NICKLE BRONZE TOP
FOO-2	FLOOR CLEANOUT ROUND FOR UNFINISHED AREAS	-	SIZE OF PIPE UP TO 4"	-	-	-	ROUND POLISHED BRONZE TOP
FOO-3	FLOOR CLEANOUT ROUND SHALLOW	-	SIZE OF PIPE UP TO 4"	-	-	-	ROUND POLISHED BRONZE TOP
FD-1	FLOOR DRAIN GENERAL ROUND	-	3"	-	-	-	6" NICKLE BRONZE TOP, TRAP PRIMER
FD-2	FLOOR DRAIN SMALL	-	2"	-	-	-	5" NICKLE BRONZE TOP
MB-1	HOSE BIB NON-FREEZE EXTENSION	3/4"	-	-	-	-	OPERATING KEY
MV-1	THERMOSTATIC MIXING VALVE, MASTER	1" CW 1" 140	1-1/2" 110	-	-	-	THERMOSTATIC, ADJUSTABLE
MV-2	MIXING VALVE, EMERGENCY	3/4" CW 3/4" 140	3/4" 110	-	-	-	THERMOSTATIC, ADJUSTABLE
RD-1	ROOF DRAIN	-	3"	-	-	-	
SA-1	SHOCK ABSORBER	3/4"	-	-	-	-	"A" P.D.I. UNITS
SA-2	SHOCK ABSORBER	3/4"	-	-	-	-	"B" P.D.I. UNITS
TP-1	TRAP PRIMER AUTOMATIC	3/4" CW	3/4"	-	-	-	PROVIDE SPLITTER WHERE INDICATED
TP-2	TRAP PRIMER ELECTRIC	3/4" CW	3/4"	-	-	115/1	W/ TIMER. ELECTRIC BY DIV. 16
WCD-1	WALL CLEANOUT, SQUARE	-	SIZE OF PIPE	-	-	-	SQUARE NICKLE BRONZE COVER
BWP-1	BACKWATER VALVE	-	SIZE OF PIPE	-	-	-	PVC

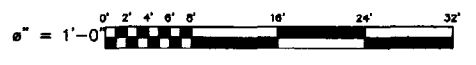
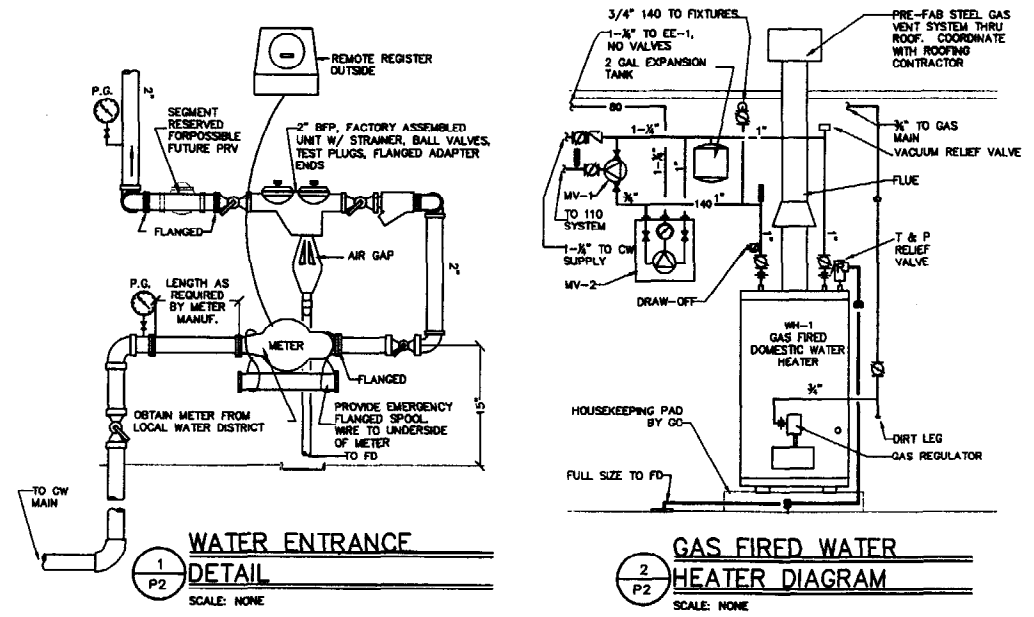
### ABBREVIATIONS, LINETYPES & SYMBOLS

PLAN NORTH

<ul style="list-style-type: none"> <li>AT AT</li> <li>80 80 TEMPERED WATER</li> <li>110 110°F TEMPERED HOT WATER</li> <li>140 140°F HOT WATER</li> <li>ADA AMERICANS WITH DISABILITIES ACT</li> <li>AFV ABOVE FINISHED FLOOR</li> <li>AP ACCESS PANEL</li> <li>ATC AUTOMATIC TEMPERATURE CONTROL</li> <li>SFF BELOW FINISHED FLOOR</li> <li>BFD BELOW FINISHED GRADE</li> <li>BFP BACKFLOW PREVENTER</li> <li>BLV BALL VALVE</li> <li>BV BALANCING VALVE</li> <li>BNV BACKWATER VALVE</li> <li>CF CAPPED FOR FUTURE</li> <li>CHK CHECK VALVE</li> <li>CI CAST-IRON</li> <li>CTR COUNTER</li> <li>CO CLEANOUT</li> <li>CONT CONTINUOUS WASTE</li> <li>CIE CONNECT TO EXISTING</li> <li>CU COPPER</li> <li>CW COLD WATER</li> <li>CHW COLD &amp; HOT WATER</li> <li>DAW DROP AT WALL</li> <li>DC DROP IN CHASE</li> <li>DW DROP IN WALL</li> <li>DN DOWN</li> <li>DNHW DOWN AT WALL</li> <li>DNC DOWN IN CHASE</li> <li>DNW DOWN IN WALL</li> <li>DO DRAINOFF</li> <li>FBO FURNISHED BY OWNER</li> <li>FOO FLOOR CLEANOUT</li> <li>FD FLOOR DRAIN</li> <li>FYE FINISHED FLOOR ELEVATION</li> <li>FT FEET</li> <li>FV FLUSHVALVE</li> <li>G L.P. GAS</li> <li>GC GENERAL CONTRACTOR</li> <li>GLY GLOBE VALVE</li> <li>GF GALLONS PER FLUSH</li> <li>GPM GALLONS PER MINUTE</li> <li>GV GATE VALVE</li> <li>HB HOSE BIB</li> <li>HC HEATING CONTRACTOR (16000)</li> <li>HW HOT WATER (110)</li> </ul>	<ul style="list-style-type: none"> <li>IE INVERT ELEVATION</li> <li>IDW INDIRECT WASTE</li> <li>LA LAVATORY</li> <li>LF LINEAR FEET</li> <li>MNTD MOUNTED</li> <li>MV MIXING VALVE</li> <li>NB NICKLE BRONZE</li> <li>OFF OFFSET FOR CLARITY</li> <li>PC PLUMBING CONTRACTOR (16-100)</li> <li>PPF PLOGGED FOR FUTURE</li> <li>PG PRESSURE GAUGE</li> <li>PH PHASE</li> <li>PRV PRESSURE REDUCING VALVE</li> <li>PSI POUNDS PER SQUARE INCH</li> <li>RAW RISE AT WALL</li> <li>ROOF ROOF DRAIN</li> <li>RH RIGHT HAND</li> <li>RIC RISE IN CHASE</li> <li>RWC RISE IN WALL</li> <li>RPM REVOLUTIONS PER MINUTE</li> <li>RV RELIEF VALVE</li> <li>S SANITARY WASTE</li> <li>SA SHOCK ABSORBER</li> <li>SK SINK</li> <li>SP SUMP PUMP</li> <li>SS STAINLESS STEEL</li> <li>SW STORM WATER</li> <li>TEMP TEMPERATURE CONTROL CONTRACTOR</li> <li>TO TEMPERATURE GAUGE</li> <li>TMV THERMOSTATIC MIXING VALVE</li> <li>TP TRAP PRIMER</li> <li>TYP TYPICAL</li> <li>UDOWN UP &amp; DOWN IN WALL</li> <li>UC UP IN CHASE</li> <li>UP UP IN WALL</li> <li>UR URINAL</li> <li>V VENT</li> <li>VB VACUUM BREAKER</li> <li>VC WREGLASS CHINA</li> <li>VF VERIFY IN FIELD</li> <li>VTR VENT THRU ROOF</li> <li>W WASTE</li> <li>W/ WITH</li> <li>W/D WITH CUT</li> <li>WC WATER CLOSET</li> <li>WCD WALL CLEANOUT</li> <li>WF WATER FILTER</li> </ul>	
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### WATER HEATER SCHEDULE

TAG	LOCATION	SERVICE	GAL	COLD IN	HOT	MBH	RECOVERY	REMARKS
WH-1	WAREHOUSE	140° HW DOMESTIC	100	1"	1"	60	98.7 @ 90°F RISE	GAS FIRED USING L.P. GAS. ELEC. BY DIV. 16



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DES BY: E.J.P.  
DWN BY: E.J.P.  
CHK BY: H.L.P.  
APPV'D:

PLUMBING DETAILS AND SCHEDULES

THEODORE LOGAN AND SON

Architects

PHDA • Philip J. Doughty Associates • Falmouth, ME 04105  
364 U.S. Route One • 207-591-5348

ISSUED FOR BID/CONSTRUCTION description rev

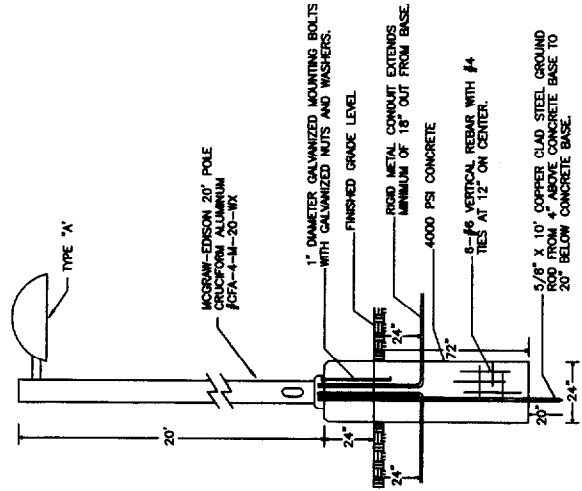
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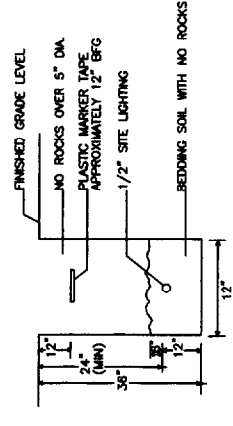
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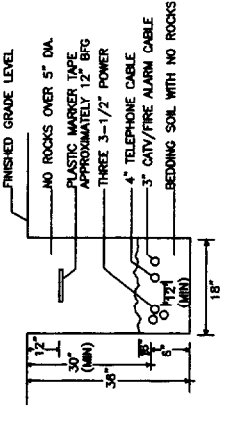
**SITE LIGHTING TRENCH DETAIL**

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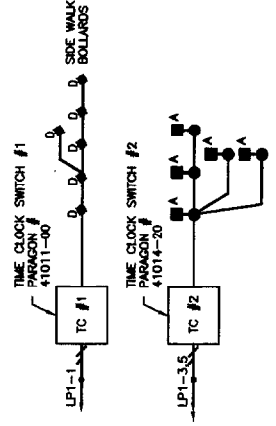
**SERVICE TRENCH DETAIL A-A**

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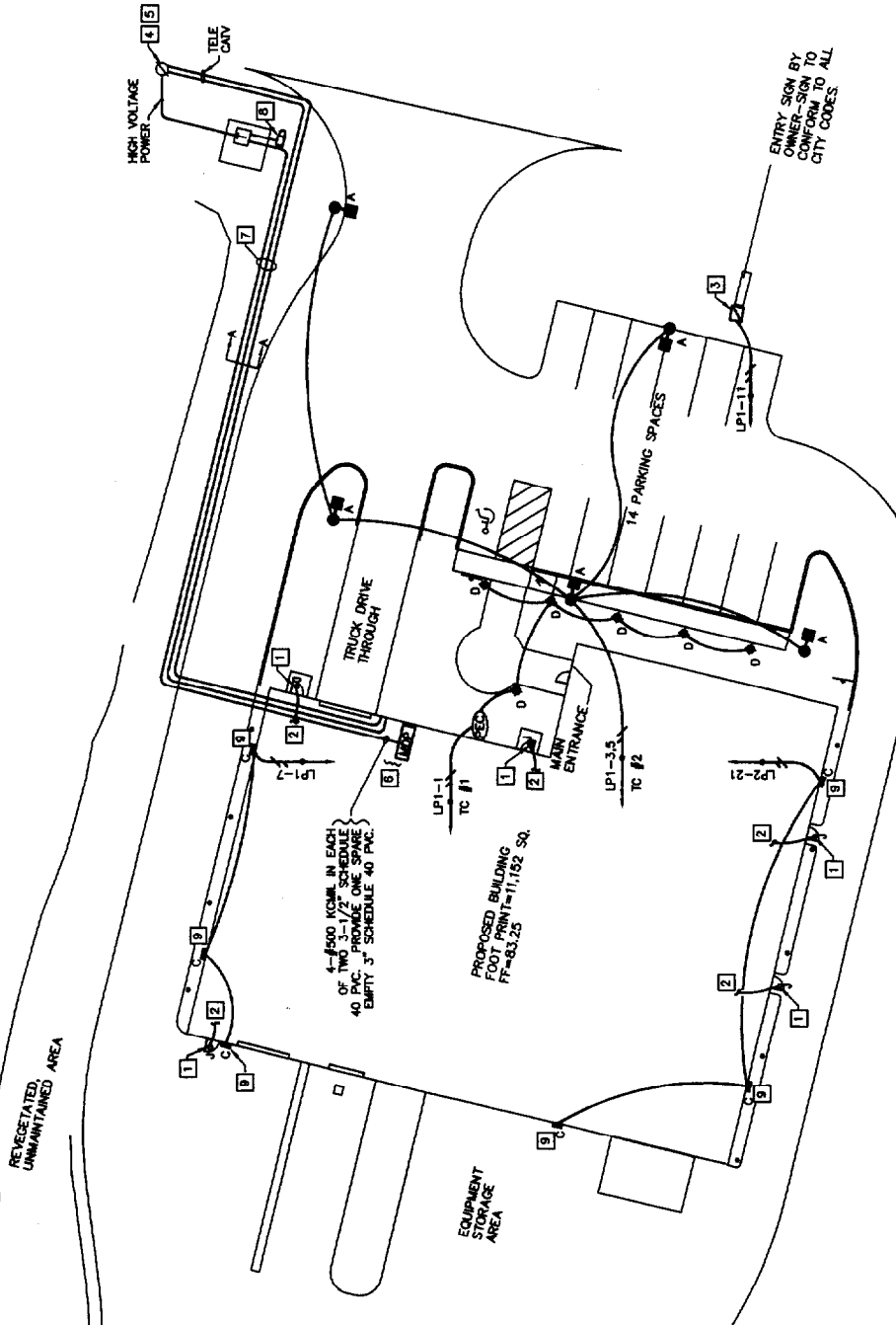
**SITE LIGHTING CONTROL AND WIRING DETAIL**

NOT TO SCALE



**ELECTRICAL SITE PLAN**

SCALE: 1" = 20'



- CONSTRUCTION NOTES:**
- 1 CENTER TYPE "A" ENTRY LIGHT AT 12" ABOVE DOOR FRAME SURFACE MOUNT ON 10" X 17" FLUSH TRIM BOARD PAINTED TO MATCH BUILDING.
  - 2 CONTINUE CIRCUIT TO GFCI RECEPTACLE AT DOOR SHOWN ON SHEET E-2.
  - 3 PROVIDE TYPE C DISCONNECT SWITCH AT LIGHTED SIGN. FUSE IN ACCORDANCE WITH LOAD.
  - 4 VERIFY LOCATION OF RISER POLE.
  - 5 PROVIDE CONDUIT RISERS ON UTILITY POLE FOR POWER, TELE, AND CATV.
  - 6 VERIFY EXACT LOCATION OF SERVICE ENTRANCE FOR POWER, TELE, AND CATV.
  - 7 SKETCH EXACT LOCATION OF UNDERGROUND ELECTRICAL CONDUITS ON ELECTRICAL SITE PLAN AND CIVIL SITE PLAN AS PART OF AS-BUILT DRAWING SUBMITTAL.
  - 8 PROVIDE CONDUIT, WIRING AND SUPPORT STRUCTURE FOR UTILITY METER AT PAD MOUNTED TRANSFORMER.
  - 9 PROVIDE WALL PACK, TYPE "C", AT 18" ABOVE GRADE.

REV'S	N	DESCRIPTION	DRAWN	CHECKED	APP'D	DATE
C		ISSUED FOR BID/CONSTRUCTION				3-28-05

**PHILIP J. DOUGHTY ASSOCIATES**  
ARCHITECTS  
207-781-5346  
364 U.S. ROUTE ONE  
FAIRMOUTH, ME. 04105  
THEODORE LOGAN AND SON  
ELECTRICAL SITE PLAN

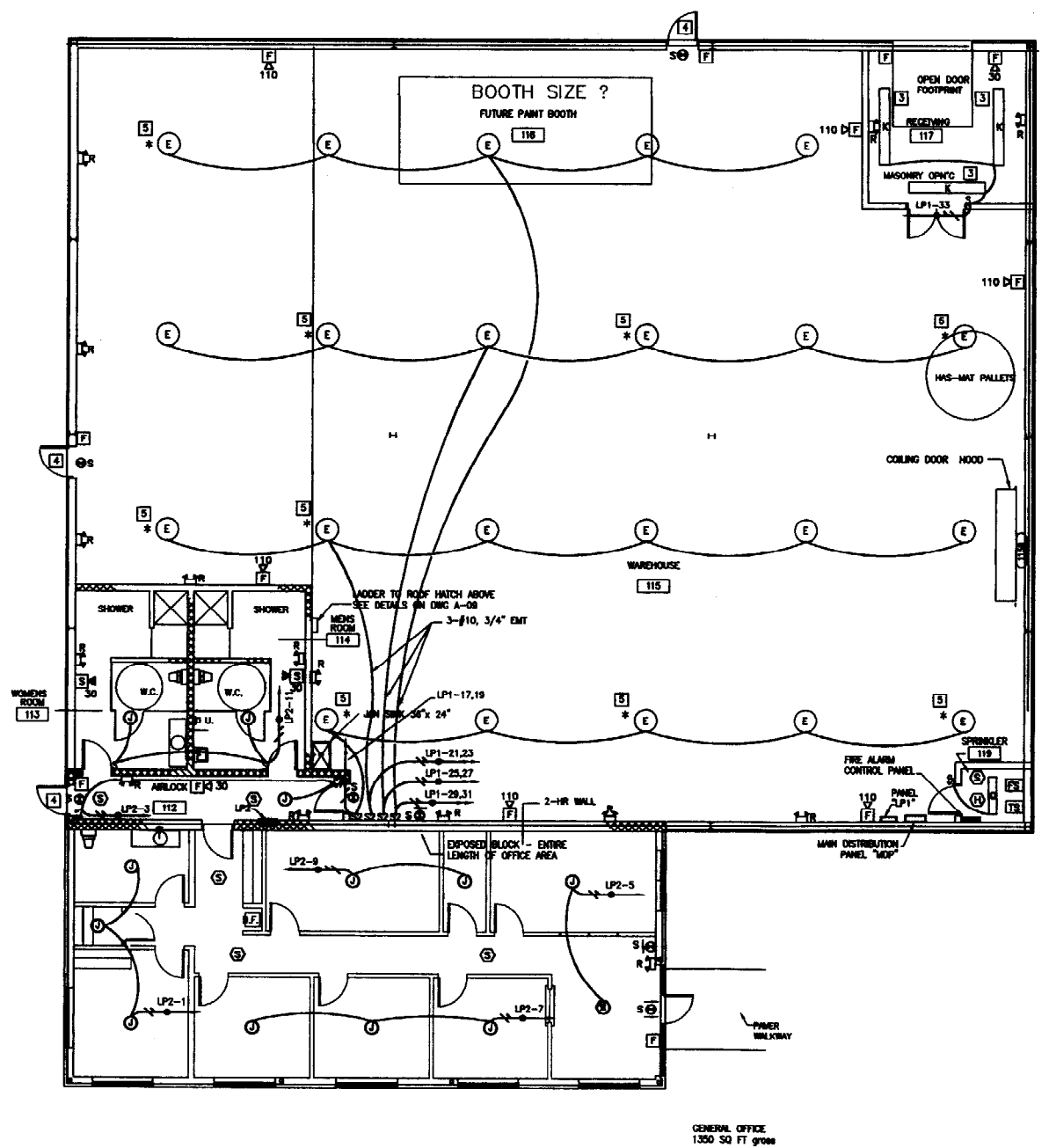
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PROJ. SHEET NO. **E-3**  
4 OF 18

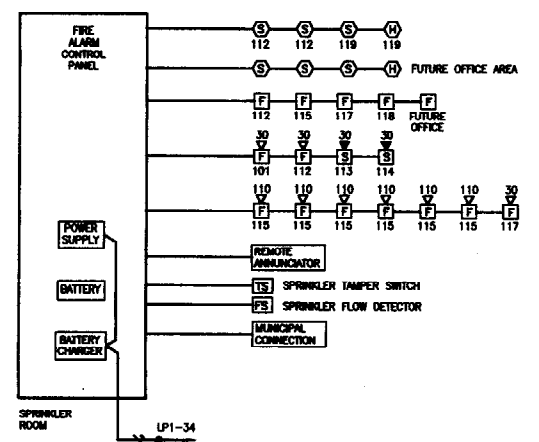
REGISTERED PROFESSIONAL ENGINEER  
STATE OF MAINE  
SHEET 2 OF 3

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**NOTE:**  
EXIT SIGNS AND EMERGENCY LIGHT BATTERY PACKS ARE TO BE POWERED FROM THE LINE SIDE OF THE SWITCH CONTROLLING THE LIGHTS IN THE AREA SERVED.



- CONSTRUCTION NOTES:**
- 1 CONTINUE CIRCUIT TO EXTERIOR MOUNTED ENTRY LIGHT SHOWN ON SHEET E-5.
  - 2 FLUSH MOUNT RECEPTACLES AT 16" AFG.
  - 3 CHAIN MOUNT TYPE "C" WITH BOTTOM OF LUMINAIRE REFLECTOR EVEN WITH BOTTOM OF STRUCTURAL MEMBERS.
  - 4 EXTERIOR LIGHT SHOWN ON ELECTRICAL SITE DRAWING.
  - 5 PROVIDE QUARTZ RESTRIKE IN THIS TYPE "E" LUMINAIRE.
  - 6 PROVIDE DIMMING BALLAST AND DIMMER SWITCH RECOMMENDED BY BALLAST MANUFACTURER FOR 0-100% DIMMING RANGE.



**FIRE ALARM SYSTEM FUNCTIONAL BLOCK DIAGRAM**  
NOT TO SCALE



**LIGHTING AND FIRE ALARM PLAN**  
SCALE: 1/8" = 1'-0"

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**NOTE:**  
SHEET E-1A SHOWS THE ELECTRICAL WORK UNDER ALTERNATE #1.

	3-28-03	P.O.	P.O.	P.O.	DATE
	7-31-02				
	7-17-02				

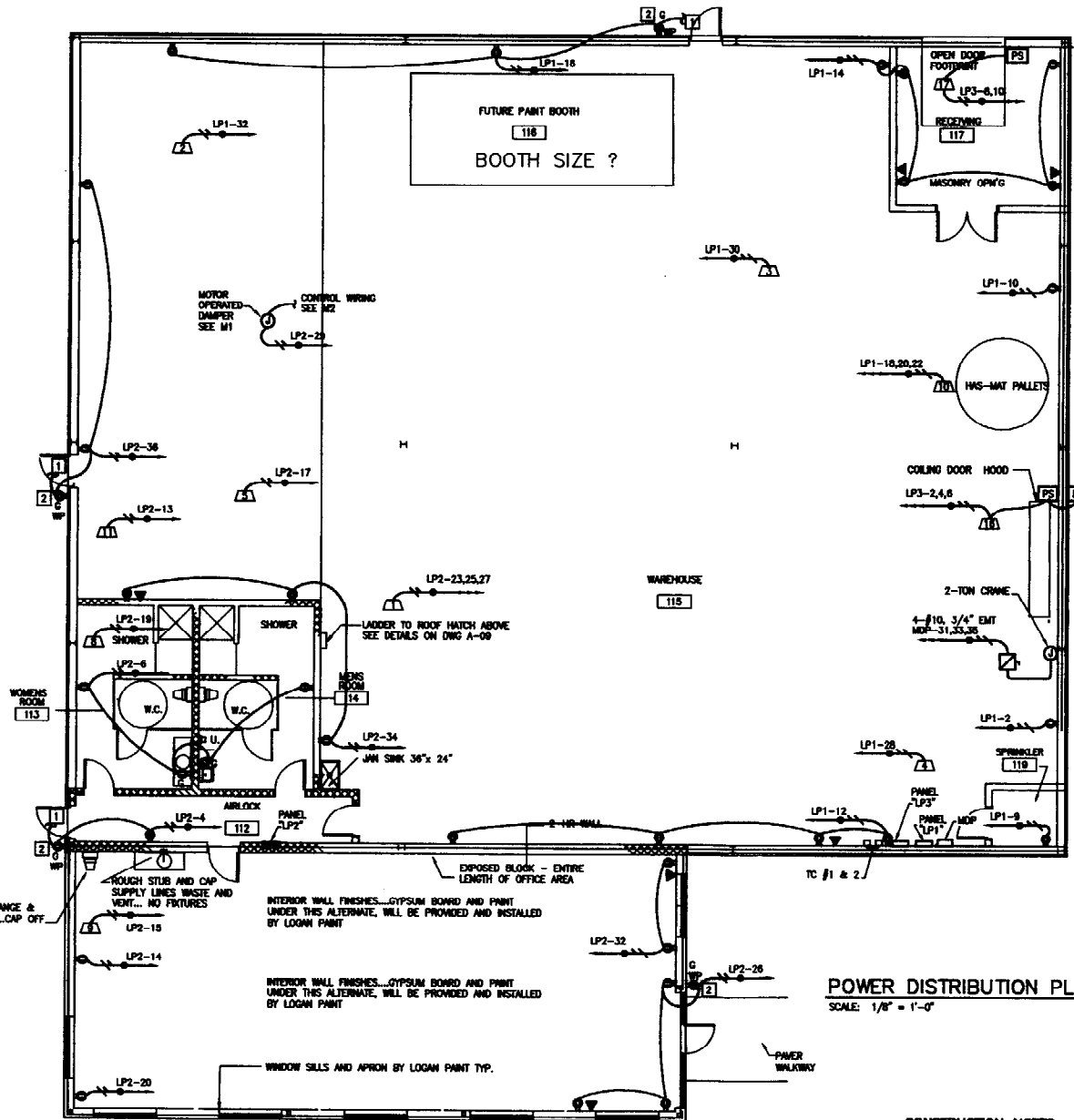
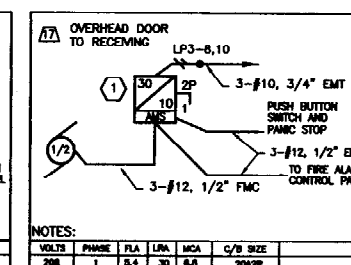
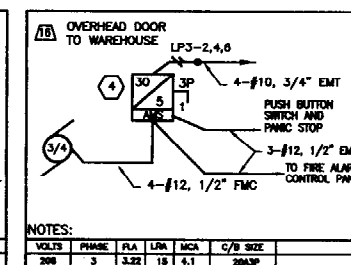
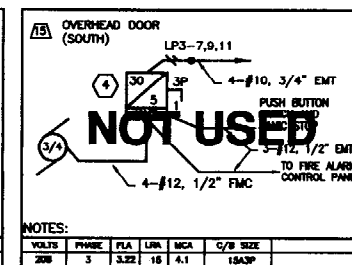
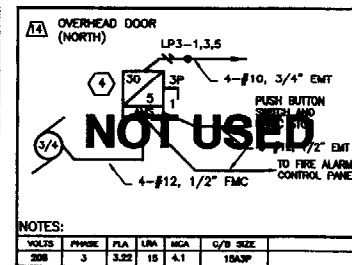
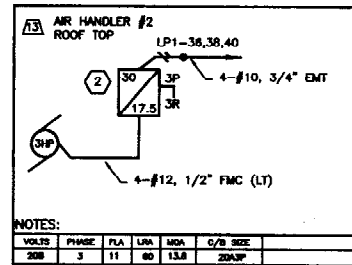
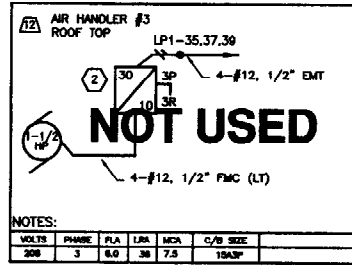
**Architects**  
Theodore Logan and Son  
364 U.S. Route One  
Falmouth, ME 04105  
207-781-5348

SCALE: 1/8" = 1'-0"	DESIGNED: JES
DATE: 04/10/2003	DRAWN: JMC
CHECKED: JES	APPROVED: [Signature]

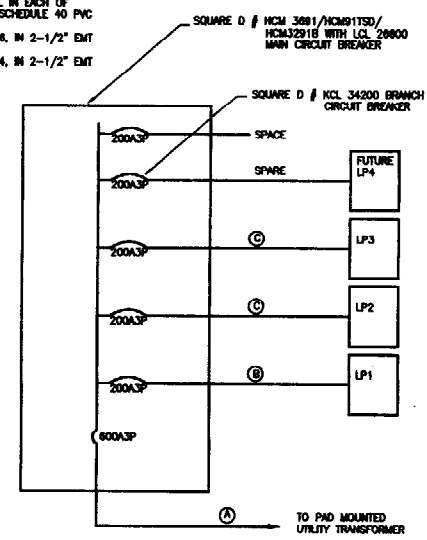
**ELECTRICAL LIGHTING AND FIRE ALARM PLAN**

THEODORE LOGAN AND SON

PROJECT: [Blank]	SHEET: 2 OF 4
SHEET NO. <span style="font-size: 2em; font-weight: bold;">E-1A</span>	



- FEDDER SCHEDULE**
- ① 4-#800 KCMIL IN EACH OF TWO 3-1/2" SCHEDULE 40 PVC
  - ② 4-#3/0, 1-#4, IN 2-1/2" EMT
  - ③ 4-#4/0, 1-#4, IN 2-1/2" EMT



**PANEL "LP3" PANEL SCHEDULE (NORMAL POWER)**

CIRCUIT NO.	CIRCUIT WIRE LOAD	BRANCH CIRCUIT DESCRIPTION
1	20	SPARE
2	20	SPARE
3	20	SPARE
4	20	SPARE
5	20	SPARE
6	20	SPARE
7	20	SPARE
8	20	SPARE
9	20	SPARE
10	20	SPARE
11	20	SPARE
12	20	SPARE
13	20	SPARE
14	20	SPARE
15	20	SPARE
16	20	SPARE
17	20	SPARE
18	20	SPARE
19	20	SPARE
20	20	SPARE
21	20	SPARE
22	20	SPARE
23	20	SPARE
24	20	SPARE
25	20	SPARE
26	20	SPARE
27	20	SPARE
28	20	SPARE
29	20	SPARE
30	20	SPARE
31	20	SPARE
32	20	SPARE
33	20	SPARE
34	20	SPARE
35	20	SPARE
36	20	SPARE
37	20	SPARE
38	20	SPARE
39	20	SPARE
40	20	SPARE
41	20	SPARE
42	20	SPARE
43	20	SPARE
44	20	SPARE
45	20	SPARE
46	20	SPARE
47	20	SPARE
48	20	SPARE
49	20	SPARE
50	20	SPARE
51	20	SPARE
52	20	SPARE
53	20	SPARE
54	20	SPARE
55	20	SPARE
56	20	SPARE
57	20	SPARE
58	20	SPARE
59	20	SPARE
60	20	SPARE
61	20	SPARE
62	20	SPARE
63	20	SPARE
64	20	SPARE
65	20	SPARE
66	20	SPARE
67	20	SPARE
68	20	SPARE
69	20	SPARE
70	20	SPARE
71	20	SPARE
72	20	SPARE
73	20	SPARE
74	20	SPARE
75	20	SPARE
76	20	SPARE
77	20	SPARE
78	20	SPARE
79	20	SPARE
80	20	SPARE
81	20	SPARE
82	20	SPARE
83	20	SPARE
84	20	SPARE
85	20	SPARE
86	20	SPARE
87	20	SPARE
88	20	SPARE
89	20	SPARE
90	20	SPARE
91	20	SPARE
92	20	SPARE
93	20	SPARE
94	20	SPARE
95	20	SPARE
96	20	SPARE
97	20	SPARE
98	20	SPARE
99	20	SPARE
100	20	SPARE

- CONSTRUCTION NOTES:**
- CONTINUE POWER CIRCUIT TO EXTERIOR MOUNTED TYPE "J" SHOWN ON SHEET E-3.
  - FLUSH MOUNT RECEPTACLE AT 18" ABOVE FINISHED FLOOR.

**NOTE:**  
SHEET E-2A SHOWS THE ELECTRICAL WORK UNDER ALTERNATE #1.

C:\MADLOGAN AND BORNLOGAN-SEA, INC. 04/14/2003 11:46:27 PM

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NO.	DATE	BY	DESCRIPTION
1	3-28-03	PD	ISSUED FOR CONSTRUCTION
2	7-31-03	PD	ISSUED FOR FLOOR PLAN RELATION APPROVAL BY OWNER
3	7-17-03	PD	ISSUED FOR FLOOR PLAN RELATIONS APPROVAL BY OWNER
4		DNW	DESIGNED
5		MS	DRAWN
6		MS	CHECKED
7		MS	APPROVED



**Architects**  
Philip J. Doughty Associates  
Falmouth, ME 04101  
364 U.S. Route One

**THEODORE LOGAN AND SON**

SCALE: 1/8" = 1'-0"  
DATE: JAN. 2003  
DESIGNED: MS  
DRAWN: MS  
CHECKED: MS  
APPROVED: MS

PROJ. SHEET NO. 3 of 4  
E-2A