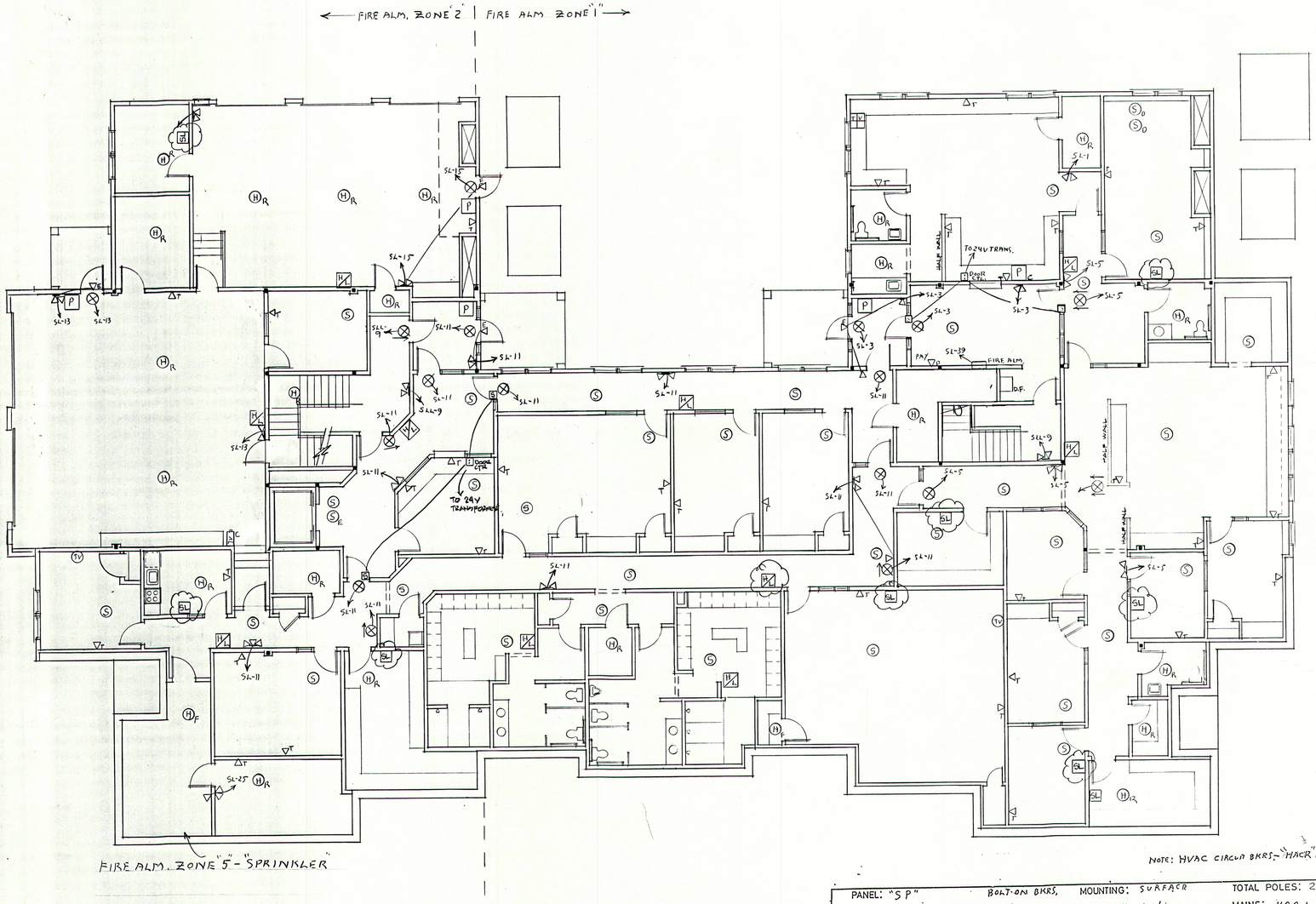


GROUND FLOOR PLAN

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

PANEL: "SL" BOLT-ON BKRS, MOUNTING: FLUSH TOTAL POLES: 42
PHASE: 3 WIRES: 4 VOLTAGE: 120/208 MAINS: 125 A - LUGS

DESCRIPTION OF LOADS	LOAD AØ	LOAD BØ	LOAD CØ	BREAKER FRAME	BREAKER TRIP	BREAKER POLES	CKT	CKT	BREAKER POLES	BREAKER TRIP	BREAKER FRAME	LOAD AØ	LOAD BØ	LOAD CØ	DESCRIPTION OF LOADS
DISPATCH LITES	9				20	1	1	2	1	20					DISPATCH RECT 1
DARE LOBBY LDV "		10					3	4							" " 2
CORRIDOR POLICE "			11.5				5	6							DISP. KIT "
PATROL RM "	14						7	8							BATT CHARGERS
POLICE CENTER		10					9	10							OFF. RECTS. 1
CORRIDOR "			13.3				11	12							" " 2
RESCUE "	14						13	14							
POLICE "		8					15	16							RESCUE RECT.
RESCUE/POLICE CH "			8				17	18							" DOOR #1
GND. LEVEL LAVS "	11						19	20							" " #2
POLICE CONF "		8					21	22							POLICE " #1
" " 4 LITES "			8				23	24							" #2
RESCUE STOR/CONF "	5.5						25	26							" #3
EXTERIOR WALL "		13.2					27	28							" RECT
" ENTRANCE			6.7				29	30							" CONF. "
							31	32							" OFFICES "
							33	34							MISC RECT 1
							35	36							" " 2
SPRINKLER F.M					15		37	38							H20 PUMPS, J BOX
FIRE ALARM PNL					15		39	40							OFFICES
							41	42							

PHASE A: PHASE B: PHASE C: TOTAL:

PANEL: MDP 22,000 AIC - BOLT ON MOUNTING: SURFACE TOTAL POLES: 24
PHASE: 3 WIRES: 4 VOLTAGE: 120/208 MAINS: 600 BREAKER

DESCRIPTION OF LOADS	LOAD AØ	LOAD BØ	LOAD CØ	BREAKER FRAME	BREAKER TRIP	BREAKER POLES	CKT	CKT	BREAKER POLES	BREAKER TRIP	BREAKER FRAME	LOAD AØ	LOAD BØ	LOAD CØ	DESCRIPTION OF LOADS
ELEVATOR-20HP	62				100	3	1	2	3	400					TO TRANSFER SW
(SHUNT TRIP)		62					3	4							AND PNL "SH"
" "			62				5	6							"
PANEL "L"					125	3	7	8							SPACE
" "							9	10							"
" "							11	12							"
PANEL "LL"					125	3	13	14							"
" "							15	16							"
" "							17	18							"
							19	20							
							21	22							
							23	24							
							25	26							
							27	28							
							29	30							
							31	32							
							33	34							
							35	36							
							37	38							
							39	40							
							41	42							

PHASE A: PHASE B: PHASE C: TOTAL:

NOTE: HVAC CIRCUIT BKRS - "HACR" RATED

PANEL: "SP" BOLT-ON BKRS, MOUNTING: SURFACE TOTAL POLES: 24
PHASE: 3 WIRES: 4 VOLTAGE: 120/208 MAINS: 400 LUGS

DESCRIPTION OF LOADS	LOAD AØ	LOAD BØ	LOAD CØ	BREAKER FRAME	BREAKER TRIP	BREAKER POLES	CKT	CKT	BREAKER POLES	BREAKER TRIP	BREAKER FRAME	LOAD AØ	LOAD BØ	LOAD CØ	DESCRIPTION OF LOADS
HVAC #1	51.3				60	3	1	2	3	90		71.1			HVAC # 3
"		51.3					3	4					71.1		" "
"			51.3				5	6						71.1	" "
HVAC #2	71.1				90	3	7	8	3	100		84.9			HVAC #4
"		71.1					9	10					84.9		" "
"			71.1				11	12						84.9	" "
PNL SL					125	3	13	14							
"					"		15	16							
"					"		17	18							
PNL SLL					125	3	19	20							
							21	22							
							23	24							
							25	26							
							27	28							
							29	30							
							31	32							
							33	34							
							35	36							
							37	38							
							39	40							
							41	42							

PHASE A: PHASE B: PHASE C: TOTAL:

NO.	REVISIONS OR ISSUE	DATE
4	GENERAL REVISIONS - X ISSUED FOR CONSTRUCTION	8-18-97
3	ADDED STROBE LIGHTS & GEN. REVISION PER STATE FIRE MARSHALL & ADDENDUM NO. 1	8-4-97
2	ISSUED FOR PLUMB PERMIT APPLICATIONS	7-29-97
1	ISSUED TO SUB CONTRACTORS, FOR BID PROPOSALS	7-23-97

SIGNAGE PLAN - GROUND FL.

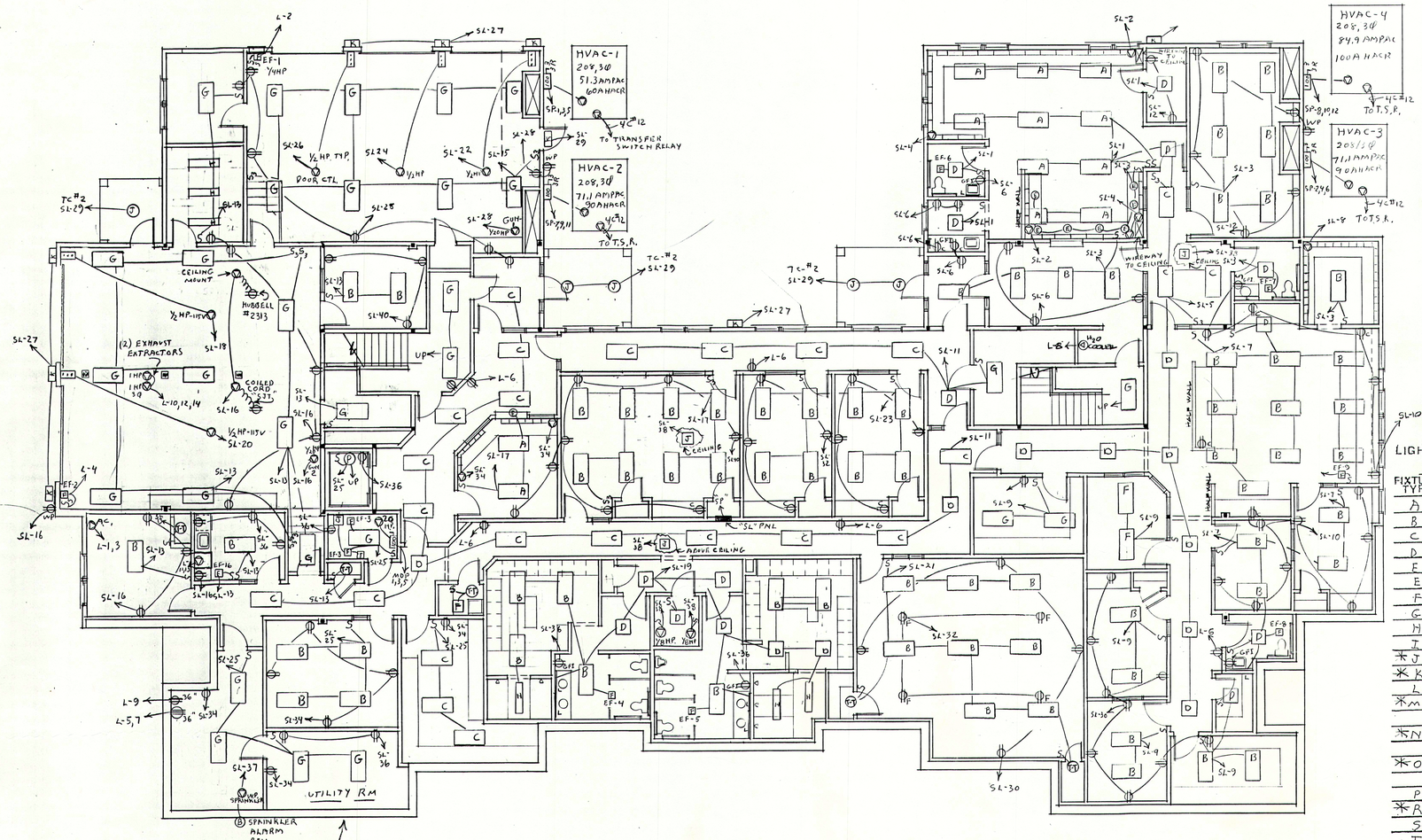
STATE OF MAINE
SPENCER B. FITTS
1006
REGISTERED PROFESSIONAL ENGINEER

THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

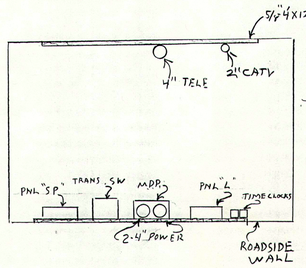
SCALE: 1/8" = 1'-0"
DRAWN: SBF
DATE: 7/11/97
JOB NO. 97-185
DRAWING NO. E-3

ST-1RS - HARD



GROUND FLOOR PLAN

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



BASIC PLAN LAYOUT
UTILITY RM
N.T.S.

PANELBOARD SCHEDULE SHEET

PROJECT: SHED POWER		PROJ. No.	DATE: 7/97	BY: SBF	PANEL: "A"
VOLTAGE: 120/208	1Ø				
SURFACE ✓	FLUSH:				
MAIN BREAKER: 60					
MAIN LUGS: 60	CU X AL				
TOP FEED:	BOTTOM FEED: X				
BOLT-ON BUS: X	PLUG-IN:				
COVER	I.C. CAPACITY				
HINGE:	SCREW: X	22,000			

LOAD		BREAKERS			
TYPE	WATTS	POLE	AMPS	USED	SPARE	SPACE
TOTAL						

BKR. NO.	A-LOAD	U_E	B-LOAD	U_E	P_{OLE}	$AMPS$	G_F^*	DESIGNATION
1	2			1	15			EXTERIOR WALL LIGHT
2				1	20			INSIDE LIGHTING FUT
3				1	20	X		EXTERIOR OUTLET
4				2	20			POWER FEED 208V 1Ø
1				-	-			" " "
5				1	20			INSIDE OUTLET RECT. SPACE

LEGEND

- A – 2'X4' FLUORESCENT TROFFER – "A" INDICATES TYPE – SEE FIXTURE SCHED.
- D – 2'X4' " " – "D" " " " " "
- J – LIGHT FIXTURE – SEE FIXTURE SCHED.
- F – EXHAUST FAN – SUPPLIED & MOUNTED BY MECH. SECTION, WIRED BY ELECT. CONTR.
- TC – TIME CLOCK – PARAGON # EC7151
- S – WALL SWITCH – HUBBELL #1221-I 9207I WH. – 40" A.F.F. – 3=3WAY, L=PILOT, K=KEY
- ⇒ – DUPLEX RECEPTACLE – HUBBELL #5326I 9210 WH. – 18" AFF, C=6" ABOVE CTR, WP= WEATHER PROOF, GFI= GND FAULT INTER., F= FLUOR/COM
- ⓥ – POWER CONNECTION AS REQ'D.
- F – JUNCTION BOX – AS REQ'D
- ⋮ – THREE BUTTON OVERHEAD DOOR CTL, SUPPLIED WITH DOOR
- 100 3R – HEAVY DUTY DISCONNECT SWITCH, 100A RATED, 3 POLE, WEATHERTIGHT, MOUNT AS DIRECTED
- PANELBOARD OR DEVICE AS INDICATED.
- TV – T.V. OUTLET BOX, BLANK PLATE, ONE RUN RG-6 CABLE TO UTILITY RM, 24" AFF.
- ◁ – OUTLET BOX WITH MODULAR JACK ON PLATE, ONE RUN 3 PR. STA. WIRE TO UR, 18" AFF
- ⊗ – EXIT FIXTURE – SEE FIXTURE SCHED., CEILING/WALL MOUNTED
- ◬ – EMERGENCY LIGHTING FIXTURE AND BATERY ASSEMBLY SEE FIXTURE SCHED.
- ▷ – " " " " , SINGLE HEAD, E= EXTERIOR TYPE " "
- ⊠ – WIREWAY ENCLOSURE – METAL, 4"X6" WITH COVER, PAINT AS REQ'D, APPROX. 10FT
- "WIREMOLD" or EQUAL #2000 PLUG-MOLD WITH GND'D RECEPTACLES ON 12" CTRS.
- S – ELECTRIC STRIKER LATCH-24VAC, AVAILABLE FROM DOOR HARDWARE SUPPLIER
- ⋮ – " PUSH BUTTONS (2), MOUNT FLUSH IN SINGLE GANG BOX. EDWARDS 674-4 SIGNAL TRANSFORMER – EDWARDS # 88-55
- S – FIRE ALARM SMOKE DETECTOR, PHOTO TYPE, "E" = FOR ELEVATOR RECALL
- H – " " HEAT DETECTOR, "F" = FIXED 190°F, "R" = FIXED 135°F/RATE-OF-RISE
- P – " " PULL STATION – 40" A.F.F – SEE SPECS
- H – " " HORN/LIGHT – 4" BELOW FIN. CLG.
- SL – " " STROBE LIGHT UNITS

C = COLUMBIA
GE = GENERAL ELECTRIC
P = PRESCOLITE
H = HADCO
M = MANNING CO
K = KIM

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	FIXTURE DESCRIPTION	FIXTURE PLATE AND TYPE	VOLT.	LAMPS
A	PARABOLIC LAYIN TROFFER 2X4'	C-PH24332GLD3653EB8	120	3-T8 32-CWX
B	GRID TROFFER 2X4'	C-T2443268FSAR4EB8	120	4-T8 32 "
C	" " "	C-T2423268FSA124EB8	120	2-T8 32 "
D	" " " 2'X2'	C-J222MGFSA12EB8	120	2-T8 17 "
E	RECESSED CAN	P-PBXTO-94B-HPF	120	2-F13 DTT SPX27
E1	" " WALL WASHER	P-PBXTW-945-HPF	120	" " " "
F	SURFACE VANDAL RESISTANT 2'X4'	C-DS2432SMFS	120	2-T832 CWX
G	" WRAPAROUND 2'X4'	C-WPW432EB8WCS	120	4-T832 "
H	WATERTIGHT – SHOWERS	C-47A4232EB8 WL	120	2-T832 "
I	STRIP FIXTURE – (DWGN INDICATES 3' OR 4' TUBE	C-CH34,8-132EB8	120	1-T832 "
✱J	EXTERIOR CAN DOWNLIGHT	P-58X-HL85	120	1-35W ~~HPS~~ E17
✱K	" WALLPACK WITH PHOTOCELL	GE-WILRISSON1A5N40B	120	1-150W ~~HPS~~
L	SURFACE LAVATORY	C-W240ALE	120	1-T832 SPX27
✱M	SIDE/REAR POLE FIXTURE	H-VS65AB5NU	208	1-50W ~~HPS~~
	" " POLE BLACK	H-P195M0090-15-A	—	—
✱N	FRONT POLE FIXTURE	H-VS65AB5NL-HS	208	1-250W ~~HPS~~
	" POLE BLACK	H-P195M0090-18-A	—	—
✱O	" WALKWAY FIXTURE	H-V561AB5NH	208	1-70W ~~HPS~~
	" " POLE BLACK	H-P1560-8-A	—	—
P	PORCELAIN KEYLESS BOX FIXTURE	P-1525-8	120	1-60W A19
✱R	FRONT ENTRANCE WALL SCONCE "	H-VH65AB5NT	120	1-70W M.H.
S	WALLMOUNT FIXTURE – STAIRS "	C-W4232EBB	120	2-T832 CWX
T	WALL SCONCE – INTERIOR "	M-DSG113APL-C26W	120	1-PLC26W
T-T	SURFACE DRUM FIXTURES – CLOSETS	P-9424-13	120	1-F13 DTT

✱ NOTE:
ALL EXTERIOR LIGHTING SHALL BE METAL HALLIDE FIXTURES. FIXTURES J, K, M, N, O & R ABOVE TO BE REVISED FROM H.P.S TO M.H.

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	FIXTURE DESCRIPTION	FIXTURE PLATE AND TYPE	VOLT.	LAMPS
U	SIGN FIXTURES	K-70MH 120M	120	1-ED17-7MH
V	FRONT ENTRANCE CEILING WASH-IT DISTR.	K-70MH 120	120	1-ED17-7MH
X	" " HANGING FIXTURE	H-VH65AB5NT	208	1-70W MH
⊗	EXIT SIGN FIXTURE	C-PEXL3RENW	120	LITE-STRIP
◬	EMERGENCY LIGHT ASSEMBLY – SELF CONTAINED	P-ESB7-12V	120	ELH-H1212-
▷	" " SINGLE HEAD INTERIOR	P-ELH-H1212	12	PAR36-12W
▷E	" " " " EXTERIOR	P-ESH-H1212WH	12	" "

STATE OF MAINE
SPENCER B. FITTS
1996
REGISTERED PROFESSIONAL ENGINEER

NO.	REVISIONS OR ISSUE	DATE
2	REVISED PER ADDENDUM #1 – GENERAL REVISION ✱ ISSUED FOR CONSTRUCTION	8-18-97
1	ISSUED TO SUB-CONTRACTORS FOR BID PROPOSALS	7-23-97

LIGHTING AND POWER – GROUND FL.

THE POCHEBIT CO., INC.

171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES

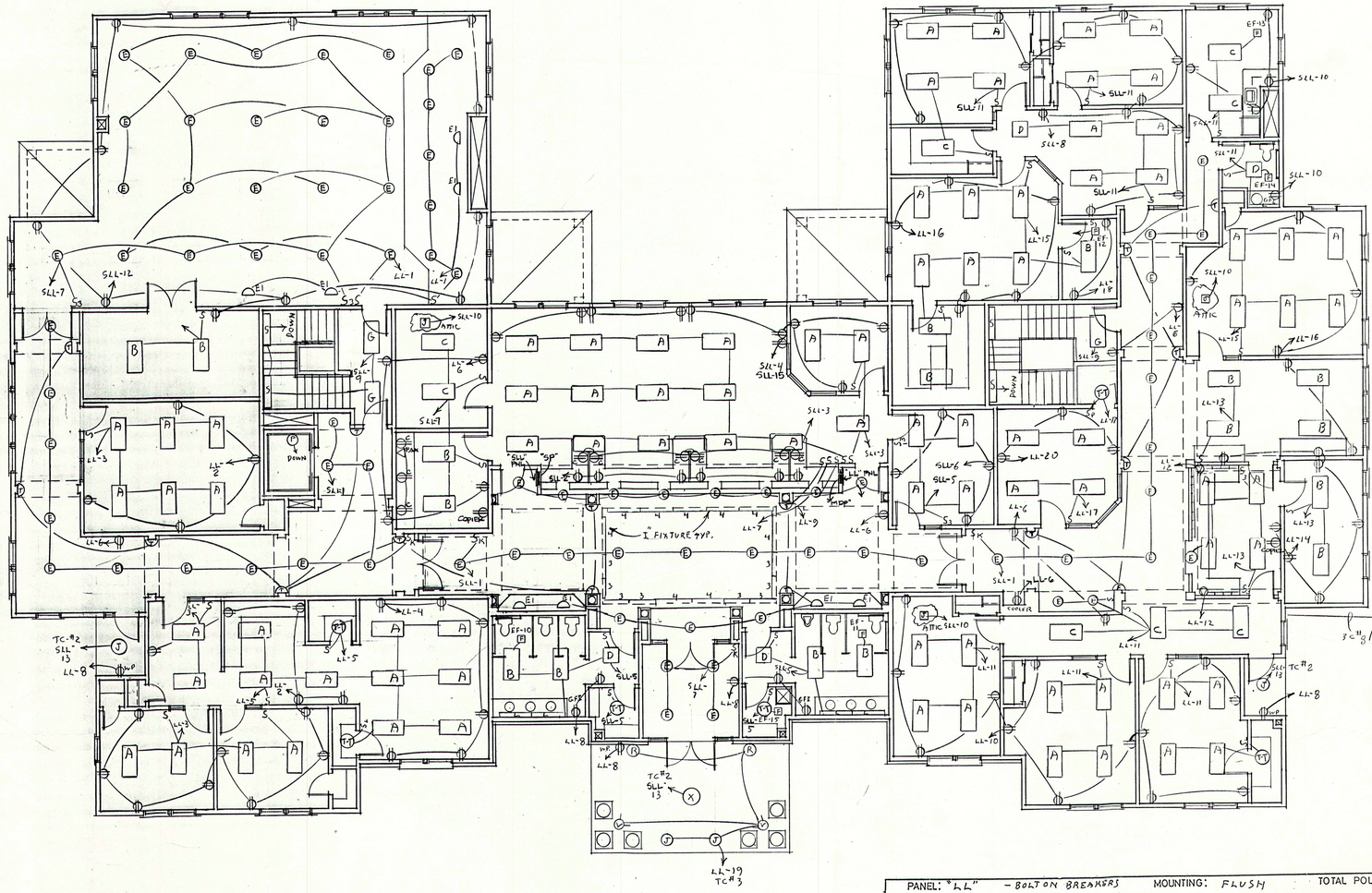
TUTTLE ROAD CUMBERLAND, MAINE

SCALE: 1/8"=1'-0"
DRAWN: SBF
DATE: 7/17/97

JOB NO. 97-185

DRAWING NO. E-1

PROFESSIONAL GRAPHICS DPD-4D



FIRST FLOOR PLAN

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

PANEL: "L" BOLT-ON BKRS, MOUNTING: SURFACE TOTAL POLES: 42
PHASE: 3 WIRES: 4 VOLTAGE: 120/208 MAINS: 125 LUGS

DESCRIPTION OF LOADS	LOAD A	LOAD B	LOAD C	BREAKER FRAME	BREAKER TRIP	BREAKER POLES	CKT	ABC	CKT	BREAKER POLES	BREAKER TRIP	BREAKER FRAME	LOAD A	LOAD B	LOAD C	DESCRIPTION OF LOADS
AIR COND	5.3				20	2	1		2	1	20		6			EF-1 ¼HP
" "		5.3			1	1	3		4	1	20			6		EF-2 ¼HP
DRYER			25		30	2	5		6	1	20				5	MISC RECT.
"	25				1	1	7		8	1	20		5			H2O COOLER
WASHER OUTLET		10			20	1	9		10	3	20			8.2		EXHAUST EXT. (2)
SMALL STOVE			10		30	2	11		12						8.2	IMPEA "
" "	10				1	1	13		14				8.2			" "
FEED TO SHED		10			60	2	15		16	2	20			19		TO LIGHTING
" "			10		1	1	17		18	1					10	RELAY
SIGN LIGHTS	7				20	2	19		20	2	20		11			TO TIME CLOCK #1
" "		7			1	1	21		22	1	1			11		/
SPACE							23		24							SPACE
							25		26							
							27		28							
							29		30							
							31		32							
							33		34							
							35		36							
							37		38							
							39		40							
							41		42							

PHASE A: PHASE B: PHASE C: TOTAL:

PANEL: "LL" BOLT-ON BKRS, MOUNTING: FLUSH TOTAL POLES: 42
PHASE: 3 WIRES: 4 VOLTAGE: 120/208 MAINS: 125A-LUGS

DESCRIPTION OF LOADS	LOAD A	LOAD B	LOAD C	BREAKER FRAME	BREAKER TRIP	BREAKER POLES	CKT	ABC	CKT	BREAKER POLES	BREAKER TRIP	BREAKER FRAME	LOAD A	LOAD B	LOAD C	DESCRIPTION OF LOADS
CORRIDOR LIGHTS	9.5				20	1	1		2	1	20					WORK AREA RECT
WORK AREA "		12.4					3		4							" " "
TOWN CLERK, LAVS "			17				5		6							TOWN CLERK,
COUNCIL CHAMBER "	6						7		8							MAN. ASST. REC-AREA
STAIRWAYS "		8					9		10							HVAC CTL
MANAGER, ASST REC. "			11				11		12							COUNCIL CHAMBERS "
ENTRANCE "	2						13		14							SPACE
SPACE							15		16							
							17		18							
							19		20							
							21		22							
							23		24							
							25		26							
							27		28							
							29		30							
							31		32							
							33		34							
							35		36							
							37		38							
							39		40							
							41		42							

PHASE A: PHASE B: PHASE C: TOTAL:

PANEL: "LL" - BOLT ON BREAKERS MOUNTING: FLUSH TOTAL POLES: 42
PHASE: 3 WIRES: 4 VOLTAGE: 120/208 MAINS: 125 LUGS

DESCRIPTION OF LOADS	LOAD A	LOAD B	LOAD C	BREAKER FRAME	BREAKER TRIP	BREAKER POLES	CKT	ABC	CKT	BREAKER POLES	BREAKER TRIP	BREAKER FRAME	LOAD A	LOAD B	LOAD C	DESCRIPTION OF LOADS
FINANCE, STORAGE LITES	8				20	1	1		2	1	20					CONF. ADULT ED. RECT
CONF. ADULT ED "		10					3		4							ADULT ED "
ADULT ED. OFFICE			8				5		6							HALLWAY "
MAIN LOBBY "	6						7		8							LAV. EXTERIOR "
DOWNLITH SCONCES "		7					9		10							ENGR, CEO, PLANN. "
ENGR, CEO, PLANNING "			12				11		12							RECEPT. "
RECT, MAPS, FILE "	9						13		14							FILE, PLANS "
ASSESSOR, FINANCE "		11					15		16							ASSESSOR, FINANCE "
CONF "			3				17		18							PRINTER "
MAIN ENTR "	7						19		20							CONF "
SPACE							21		22							SPACE
							23		24							
							25		26							
							27		28							
							29		30							
							31		32							
							33		34							
							35		36							
							37		38							
							39		40							
							41		42							

PHASE A: PHASE B: PHASE C: TOTAL:

STATE OF MAINE
SPENCER B. FITTS 1093 REGISTERED PROFESSIONAL ENGINEER
2/6/97

NO.	REVISIONS OR ISSUE	DATE
2	REVISED PER ADDENDUM NO 1 - GENERAL REVISIONS * ISSUED FOR CONSTRUCTION	8-19-97
1	ISSUED TO SUBCONTRACTORS FOR BID PROPOSALS	7-23-97

LIGHTING AND POWER - 1ST. FL

THE POCHEBIT CO., INC.

171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES

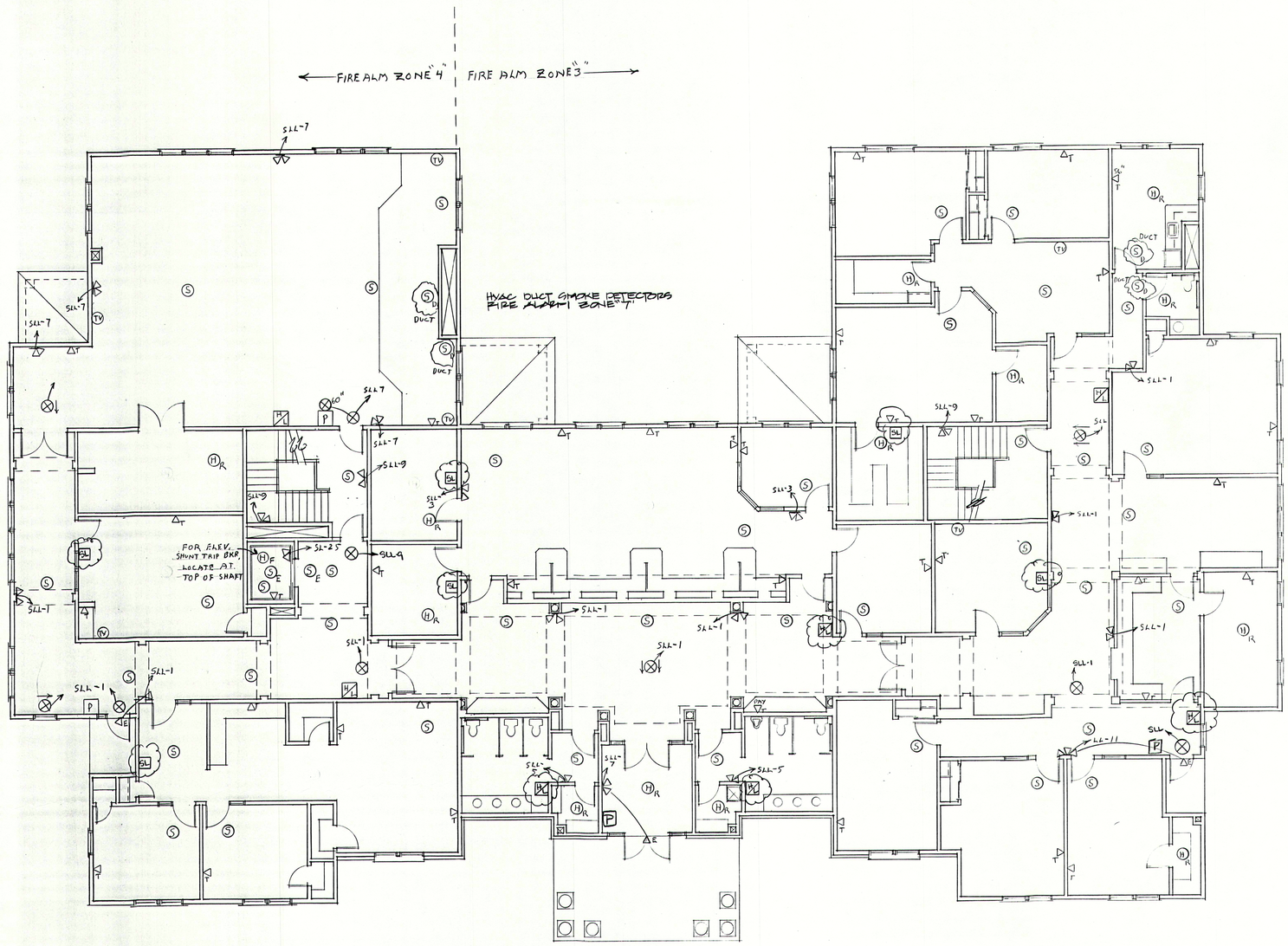
TUTTLE ROAD CUMBERLAND, MAINE

SCALE: 1/8" = 1'-0"
DRAWN:
DATE: 7/11/97

JOB NO. 97-185

DRAWING NO. E-2

PROFESSIONAL GRAPHICS DPD-4D



FIRST FLOOR PLAN

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

NO.	REVISIONS OR ISSUE	DATE
4	ISSUED FOR CONSTRUCTION REVISED PER ADDENDUM NO. 1 GEN REVISIONS	8-18-97
3	ADDED STROBE & HORN/LIGHT UNITS RELOCATED EXIT LIGHTS PER ST. FIRE MARSHAL'S ADDEN. #1	8-4-97
2	ISSUED FOR BLDG. PERMIT APPLICATIONS	7-29-97
1	ISSUED TO SUB CONTRACTORS FOR BID PROPOSALS	7-23-97

SIGNAL AND POWER - 1ST FL.

STATE OF MAINE
SPENCER B. FITTS
1996
REGISTERED PROFESSIONAL ENGINEER
7/23/97

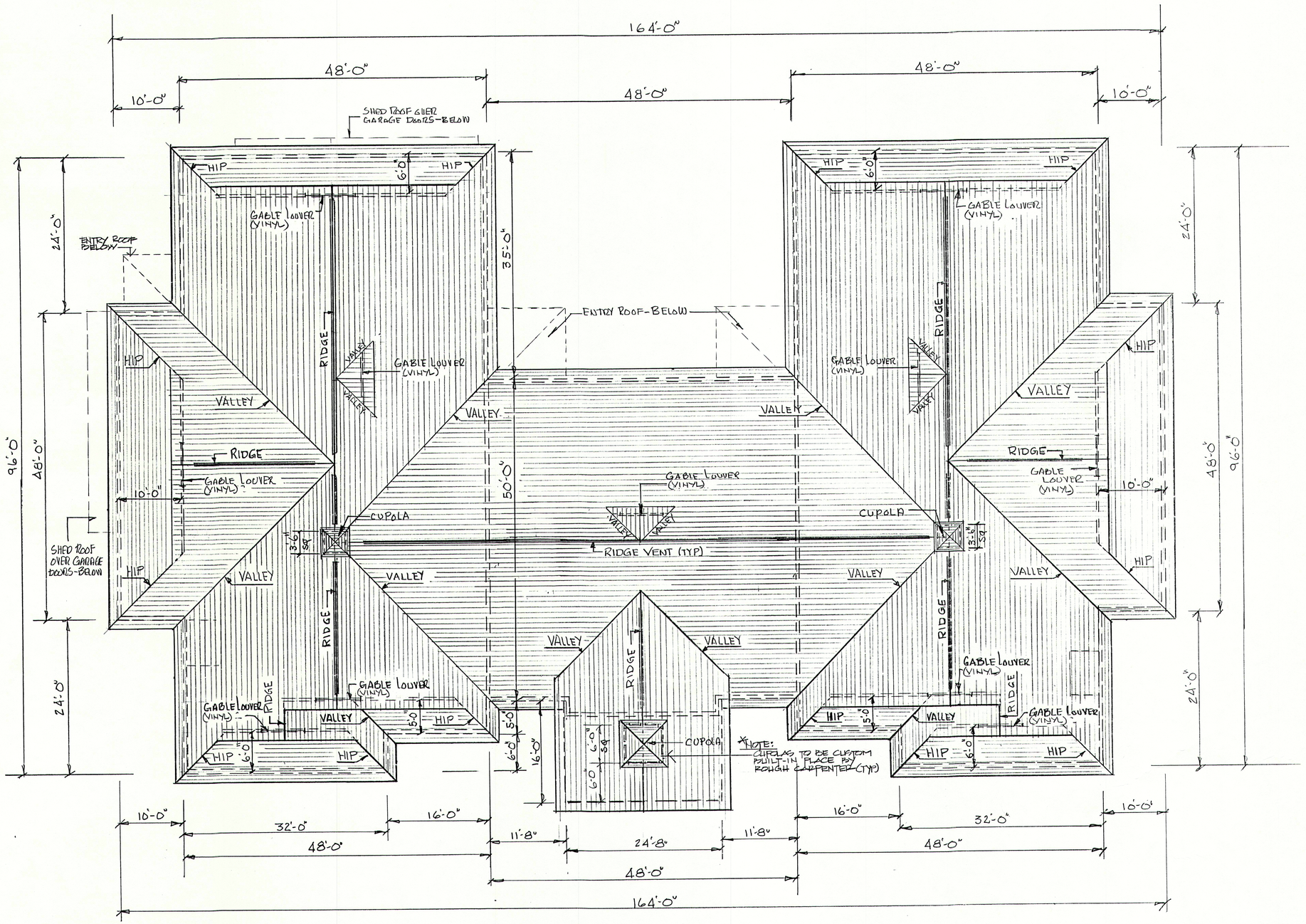
THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

SCALE: 1/8" = 1'-0"
DRAWN: SBF
DATE: 7/23/97

JOB NO. 97-185

DRAWING NO. E-4



ROOF PLAN

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

NO.	REVISIONS OR ISSUE	DATE
3	GENERAL REVISIONS * ISSUED FOR CONSTRUCTION	8-14-97
2	ISSUED FOR BLDG. PERMIT APPLICATIONS	7-29-97
1	ISSUED TO SUBCONTRACTORS FOR BID PROPOSALS	7-23-97

ROOF PLAN

VERNARD E. FROST No. 3870 STATE OF MAINE

STATE OF MAINE JOHN W. POCHEBIT 1633 REGISTERED PROFESSIONAL ENGINEER

THE POCHEBIT CO., INC.

171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING

TOWN OF CUMBERLAND

TOWN OFFICES

TUTTLE ROAD CUMBERLAND, MAINE

SCALE: 1/8" = 1'-0"
DRAWN: W.L.W.
DATE: JULY 21, 1997

JOB NO. 97-185

DRAWING NO. 6

Tuttle Road

To Rt#9

To U.S. Rt#1

Cmp Pole#108

Gravel Drive

Sewer Manhole
Rim Elev. 106.45

Gravel Drive

N/F
Richard W. Doane

Cmp Pole#107

Existing Sanitary Sewer

Project Benchmark
Double Headed Nail
Set Horizontally 1'± Above Grade In C.M.P.
Pole #106
Elev. 102.26

Sewer Manhole
Rim Elev. 96.47

Cmp Pole#105

Sewer Manhole
Rim Elev. 87.84
Inv. 82.7±

INV. 83.5

Cmp Pole#104

8" SANITARY SEWER
L = 37', S = 0.004

Cmp Pole#103

N/F
Lawrence Allen Jr.

OVERHEAD ELECTRIC, TELEPHONE, AND CABLE TELEVISION

Approx. Location Exist. Water Main

TEST PIT TO WATER MAIN

PROPOSED MANHOLE (TYP)

INV. OUT = 83.64±

INV. IN = 83.74

8' WIDE SIDEWALK

NEW POLE

E/T/CATV

SIGN

STOP SIGN

4" SOLID WHITE LINE

Approximate Right-Of-Way

YARD LIGHTING (TYP)

44.0'

234.0'

25.0'

50.0'

50'-0"

4" SOLID YELLOW LINES

8" SANITARY SEWER
L = 225', S = 0.004

50.0' TAPER

81.0'

19.0'

24.0'

UNDERGROUND ELECTRIC, TELEPHONE AND CABLE TELEVISION

Abandoned Railroad Bed

FUTURE TRAIL TO ARBORETUM TO BE COORDINATED WITH THE TOWN FOREST BOARD

Existing Foot Path

BIKE RACK

PAINTED MATCHED CROSSWALKS

44 SPACES

SETBACK

BUILDING SETBACK

6" WATER SERVICE (MIN. 5' COVER)

INV. = 84.66±

8' SIDEWALK (TYP)

FLAG POLE

6.0'

5.0'

15.0'

36.0'

R=25'

R=80'

R=15'

R=100'

R=5'

R=50'

R=30'

R=40'

DIRECTIONAL SIGNAGE FOR POLICE AND RESCUE

RETAINING WALL

EMERGENCY GENERATOR PAD

UE

5'-0" SIDEWALK

6" SERVICE CONNECTION

UNDERGROUND ELECTRIC

TOWN OFFICES
FIRST FLOOR ELEV. = 103.0
BASEMENT FLOOR ELEV. = 91.0
GARAGE FLOOR ELEV. = 90.4±
POLICE AND RESCUE FLOOR ELEV. = 88.8±

MAINTENANCE BUILDING

PROP. PROPANE GAS

ABOVE GROUND PROPANE TANKS

UTILITIES TRANSFORMER PAD

2 SPACES RESERVED FOR RESCUE

17.0'

18.5'

HVAC UNITS

DUMPSTER

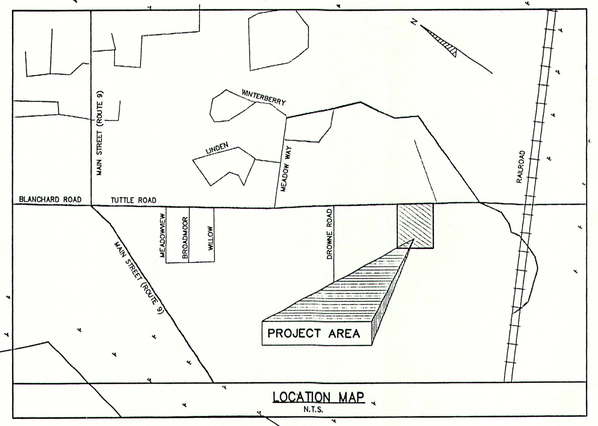
107.0'

UTILIZE EXISTING VEGETATION TO PROVIDE SCREENING

Existing Foot Bridge

ENTRANCE TO TOWN FOREST TO BE COORDINATED WITH THE TOWN FOREST BOARD

MAGNETIC



LOCATION MAP
N.T.S.

NOTES

LANDSCAPING SHOWN IS CONCEPTUAL ONLY. THE TOWN FOREST BOARD WILL BE ASKED TO ASSIST IN THE PREPARATION OF DETAIL LANDSCAPING WHICH WILL BE PROVIDED TO THE BOARD FOR APPROVAL PRIOR TO EXECUTION OF THE PLAN.

UNDERGROUND ELECTRICAL, TELEPHONE AND CABLE TV LOCATIONS SHOWN ARE APPROXIMATE ONLY. REFER TO THE ELECTRICAL SITE PLAN FOR MORE DETAILED INFORMATION.

SETBACKS		
	ZONING REQUIREMENTS RR1	ACTUAL
FRONT	50'	108'
REAR	75'	500'± WEST
SIDE	30:75 COMBINED	500'± EAST

NOTES:

1- DATUM:
HORIZONTAL- ASSUMED COORDINATES AND COMPASS OBSERVATION TAKEN ON MARCH 23,1997

VERTICAL- BASED UPON USGS DISK LOCATED AT THE CROSSING OF THE MAINE CENTRAL RAILROAD TRACK AND TUTTLE ROAD. 1.5' SOUTHEAST OF METAL WITNESS POST STAMPED "L-163" N.G.V.D. 29 ELEV. 74.19
SEE PROJECT BENCHMARK CMP POLE #106

2. SIGHT DISTANCE ALONG TUTTLE ROAD AT THE PROPOSED ENTRANCE EXCEEDS 1000 FEET IN BOTH DIRECTIONS. MINIMUM REQUIRED SIGHT DISTANCE AT THE POSTED SPEED LIMIT (35 MPH) = 350'.

LEGEND

EXISTING CONTOUR
EDGE OF PAVEMENT
FOOT PATH
APPROXIMATE R.O.W.
WET AREAS
UTILITY POLE
SEWER MANHOLE
HYDRANT
CATCH BASIN

20 0 10 30 40 80
1 inch = 20 ft.

NOT TO SCALE
REDUCED TO PRINT
FOR INFORMATIONAL PURPOSES
WORK NOT INCLUDED IN CONTRACT

NO.	REFERENCE DRAWINGS

REV.	DATE	STATUS	BY	CHKD	APPD
E	7/17/97	FOR BIDS	MSB	JRK	JRK
D	6/2/97	REVISE BUILDING FLOOR ELEVATIONS AND GRADING	MSB	JRK	RDA
C	5/15/97	REVISED PER TOWN PLANNERS COMMENTS	MSB	JRK	RDA
B	5/8/97	REVISED PER TOWN PLANNERS COMMENTS	MSB	JRK	RDA
A	5/6/97	SUBMITTED TO TOWN OF CUMBERLAND PLANNING BOARD	MSB	JRK	RDA

STATE OF MAINE — JOHN R. KNOWLTON — No. 5082 — REGISTERED PROFESSIONAL ENGINEER
7.17.97

SQUAW BAY CORP.
Consulting Engineers
P.O. BOX 86A, CUMBERLAND CENTER, ME. 04021

CLIENT
TOWN OF CUMBERLAND
CUMBERLAND, MAINE 04021

DESIGN: RDA/JRK
DRAWN: RWH/MSB
CHKD: JRK/RDA
DATE: APRIL, 1997
SCALE: N.T.S. ~~1"=20'~~

PROJECT:
CUMBERLAND TOWN OFFICES
TUTTLE ROAD, CUMBERLAND, MAINE

GEOMETRIC LAYOUT AND UTILITY PLAN

PROJ. NO. 97-200-02
DWG. NO. C-101
REV. E

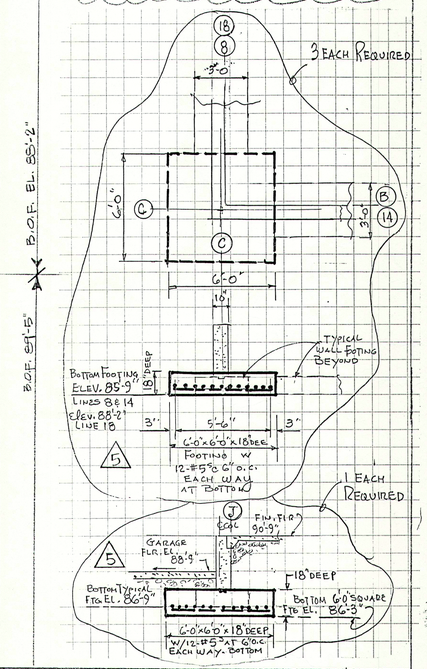
D:\97-200\02\MUNI\9720002 Thu Jul 17 07:38:42 1997

FOOTING SCHEDULE	
SYMBOL	
FTG TYPE A	SIZE: 5'-6" x 3'-6" x 1'-0" DEEP FTG #'s: 3-7-8-16-17-21-40-42
FTG TYPE B	SIZE: 4'-0" x 4'-0" x 1'-0" DEEP FTG #'s: 1-2-5-6-9-39-46
FTG TYPE C	SIZE: 4'-6" x 4'-6" x 1'-0" DEEP FTG #'s: 10-11-18-19-20-22-57-58
FTG TYPE D	SIZE: 5'-6" x 5'-6" x 1'-6" DEEP FTG #'s: 13-14-15-31-32-33-49

*NOTE: ALL FOOTINGS TO HAVE #4 BARS 6" O.C. EACH WAY AT BOTTOM

SPECIAL NOTES:

1. INVERT ELEVATIONS & FLOW DIRECTIONS OF ALL 4" PERFORATED DRAIN LINES TO BE PREDETERMINED & ENGINEERED FOR POSITIVE NATURAL FLOW. CONSULT ENGINEER BEFORE LAYING.
2. * BRACE ALL WALLS BEFORE BACK-FILLING. DO NOT PROCEED UNTIL APPROVED OF BY THE ENGINEER.
3. CONCRETE COVER OVER REINFORCING BARS:
   1.) WALLS = 2" (EITHER FACE) IF NOT IN ℄ OF WALL (NOTE BARS THAT ALTERNATE DIRECTION
   2.) FOOTINGS = 3" FROM BOTTOM



NO.	REVISIONS OR ISSUE	DATE
5	REVISED PTGS AT LINES "B" & C, "14 & C, "18" & 19 ADDED NOTE #3 AND FOOTING DETAIL; ISSUED FOR FIELD USE	8-5-97
4	REVISED DIMENSIONS: AT LINE "2" BETWEEN LINES "C" TO "H" & ON LINE "7" BETWEEN "K" TO "S" ADDED SPECIAL NOTES. GEN. REVISIONS ISSUED FOR BLDG. PERMIT APPLICATIONS	7-29-97
3	GENERAL REVISIONS ISSUED TO BLDG CONTRACTORS	7-22-97
2	ISSUED TO REINFORCING & STRUCTURAL STEEL SUPPLIERS	7-18-97
1	ISSUED FOR FOUNDATION & STEEL BIDS	7-7-97

FOUNDATION PLAN & DETAILS

THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

SCALE: AS NOTED	JOB NO.	DRAWING NO.
DRAWN: W.L.W.	97-185	1
DATE: JULY 7, 1997		

REGISTERED ARCHITECT — VERNARD E. FROST No. 1353 — STATE OF MAINE

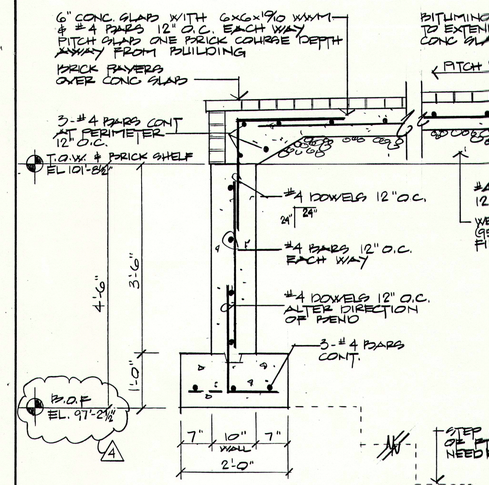
STATE OF MAINE — JOHN W. POCHEBIT 1933 — REGISTERED PROFESSIONAL ENGINEER

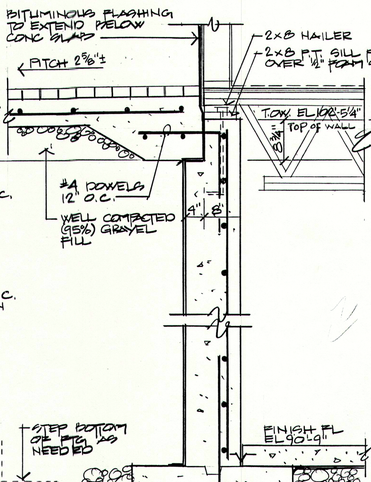
FOUNDATION PLAN

1/8" = 1'-0"

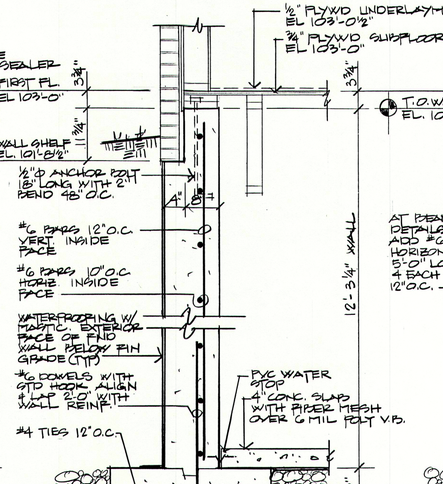
SPECIAL NOTES

1. DOOR FRAMES, HEADS, THRESHOLD, ETC. TO BE SET FROM TOP 1/2" FL/WD UNDERLAYMENT EL 103'-0 1/2"
2. FRAMED - SEE NOTE FOR SETTING ROUGH OPENINGS
3. INVERT ELEVATIONS & FLOW DIRECTIONS OF ALL 4" PERFORATED DRAIN LINES TO BE PRE-DETERMINED CONSULT ENGINEER BEFORE LAYING



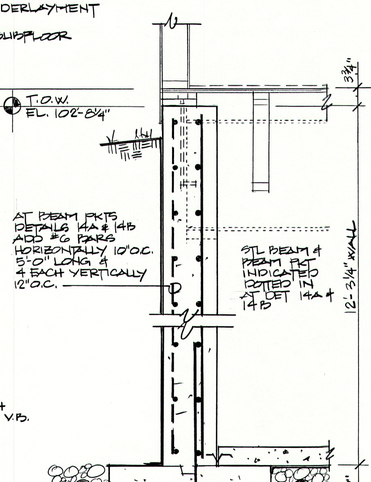


A WALL SECTION AT FRONT ENTRY
3/4"=1'-0"

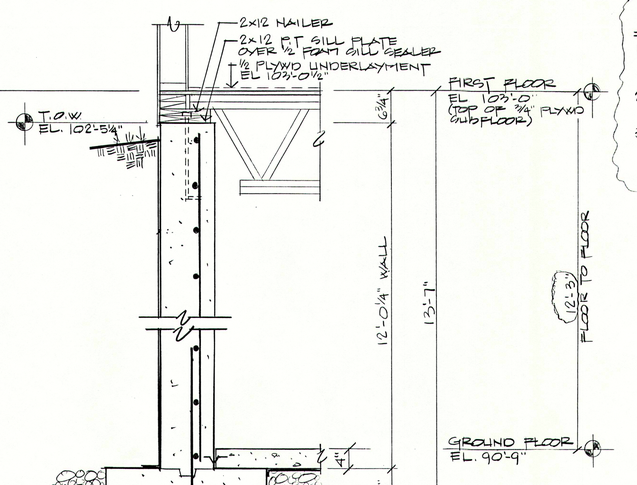


B WALL SECTION
3/4"=1'-0"

C WALL SECTION
3/4"=1'-0"

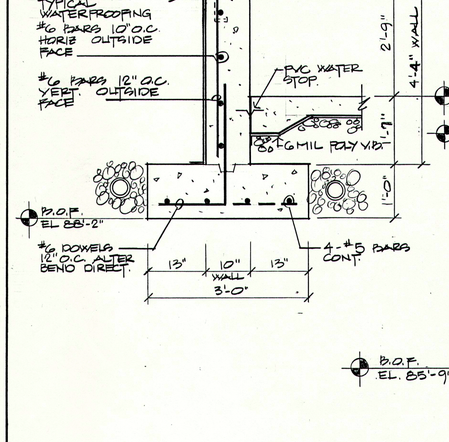


D WALL SECTION
3/4"=1'-0"

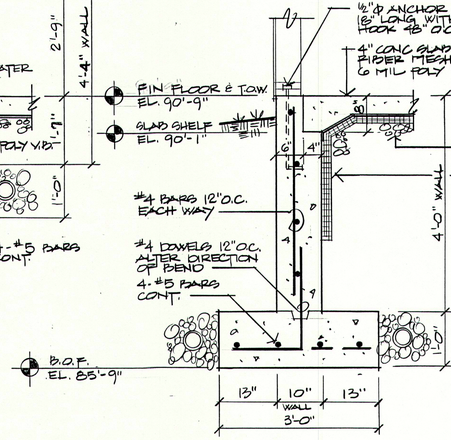


E WALL SECTION
3/4"=1'-0"

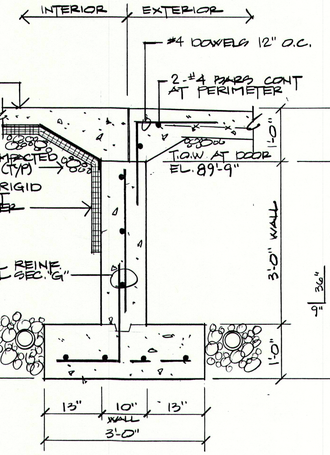
*NOTE: TYPICAL WALL & FTG REINFORCING SHOWN & IDENTIFIED THIS SECTION



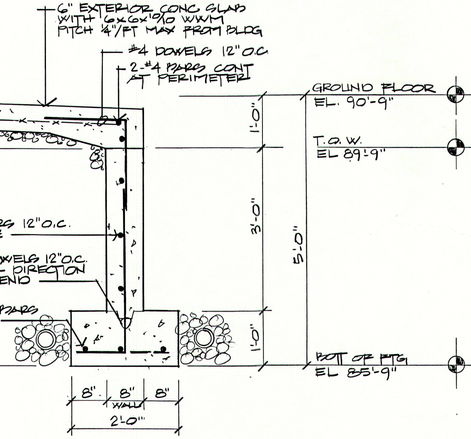
F WALL SECTION
3/4"=1'-0"



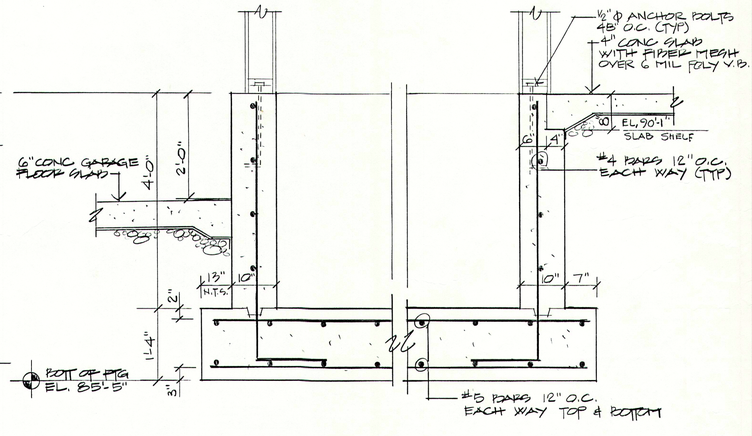
G WALL SECTION
3/4"=1'-0"



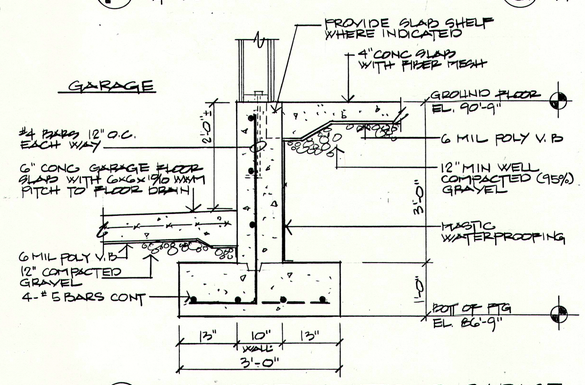
H WALL SECTION AT EXTERIOR DOORS
3/4"=1'-0"



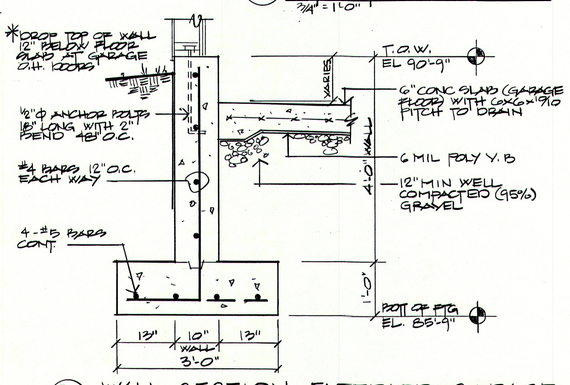
I WALL SECTION AT REAR ENTRIES
3/4"=1'-0"



J SECTION AT ELEVATOR PIT
3/4"=1'-0"



K WALL SECTION INTERIOR GARAGE
3/4"=1'-0"



L WALL SECTION EXTERIOR GARAGE
3/4"=1'-0"

NO.	REVISIONS OR ISSUE	DATE
4	REVISED PORT OF FTG EL. ON SECTION 'A' ISSUED FOR BLDG PERMIT APPLICATIONS	7-29-97
3	GENERAL REVISIONS - ISSUED TO SUB CONTRACTORS	7-22-97
2	ISSUED TO REINFORCING & STRUCTURAL STEEL SUPPLIERS	7-18-97
1	ISSUED FOR FOUNDATION & STEEL BIDS	7-7-97

FOUNDATION WALL SECTIONS & DETAILS

THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
THistle ROAD CUMBERLAND, MAINE

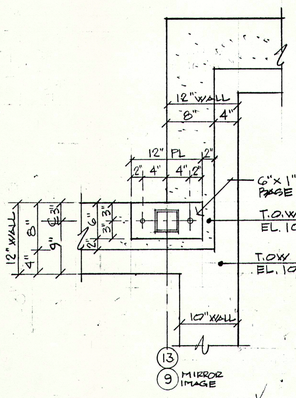
SCALE: 3/4"=1'-0"
DRAWN: SG.WIEBER
DATE: JULY 6, 1997

JOB NO. 97—185

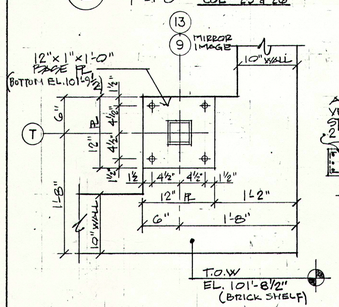
DRAWING NO. 2

REGISTERED LANDSCAPE ARCHITECT VERNARD E. FROST No. 163
STATE OF MAINE JOHN W. POCHEBIT 1633 REGISTERED PROFESSIONAL ENGINEER

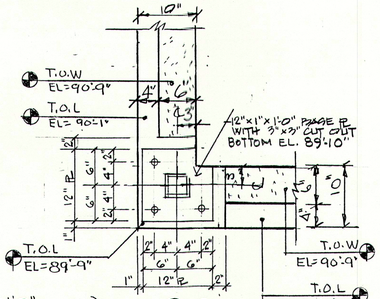
PROFESSIONAL GRAPHICS DPD-4D



2 B.P. PLAN
1"=1'-0" COL #25 & 26



1 B.P. PLAN
1"=1'-0" COL #27 & 28



4 B.P. PLAN
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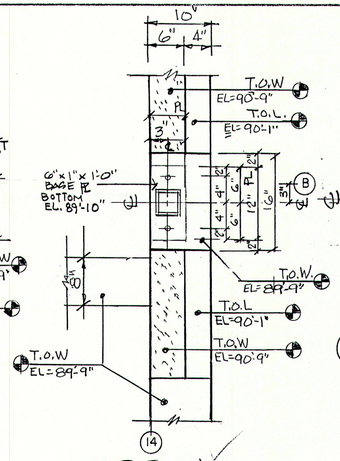

5 B.P. PLAN
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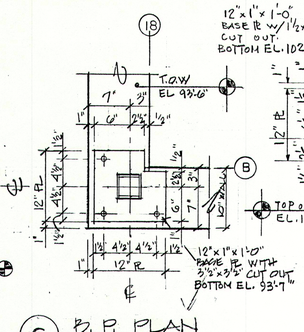

6 B. P. PLAN
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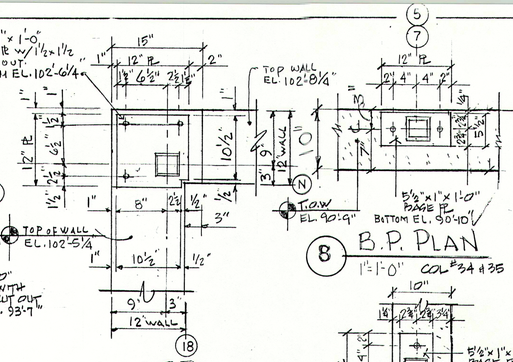
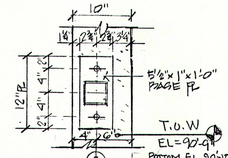


7 B.P. PLAN
1"=1'-0" COL. 59

8 B.P. PLAN
1"=1'-0" COL #34 & 35

9 B.P. PLAN
1"=1'-0" COL #45

10 B.P. PLAN
COL #36



8A B.P. PLAN
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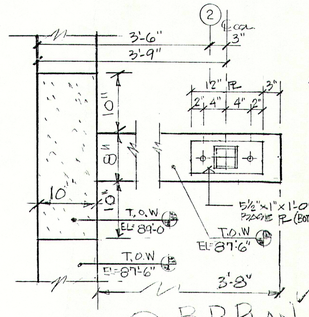

12B B.P. PLAN
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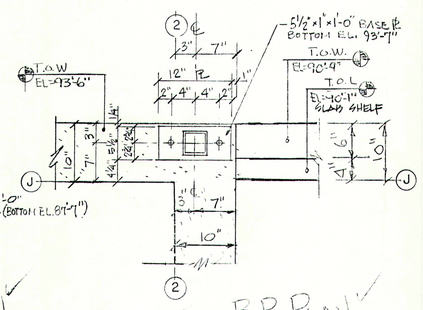

12C B.P. PLAN
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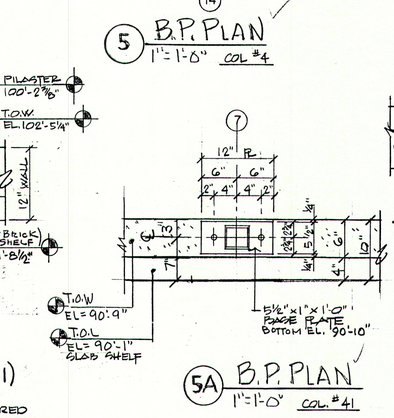
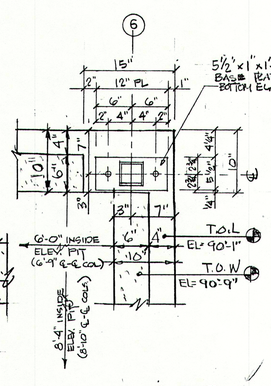
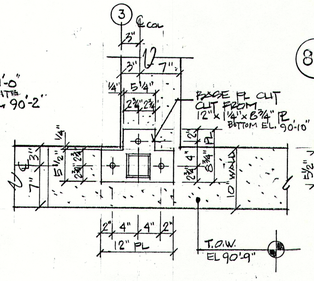


5A B.P. PLAN
1"=1'-0" COL. #41



11 B.P. PLAN
1"=1'-0" COL #43 & 44



12 B.P. PLAN
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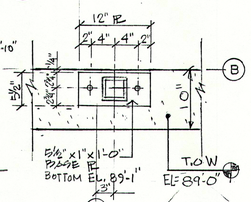

12A B.P. PLAN
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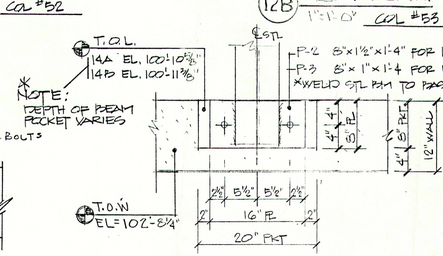
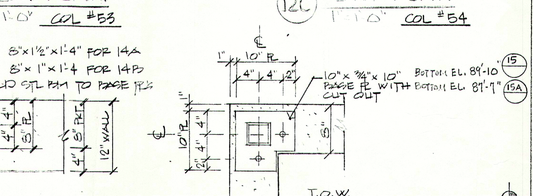
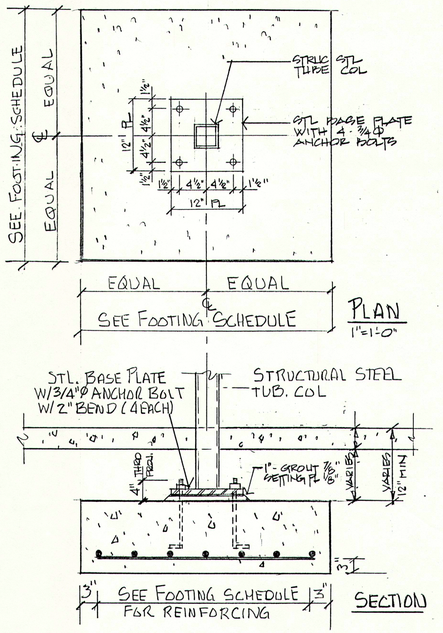


14A 14B B.P. PLAN
1"=1'-0" P. PL-2 P. PL-3

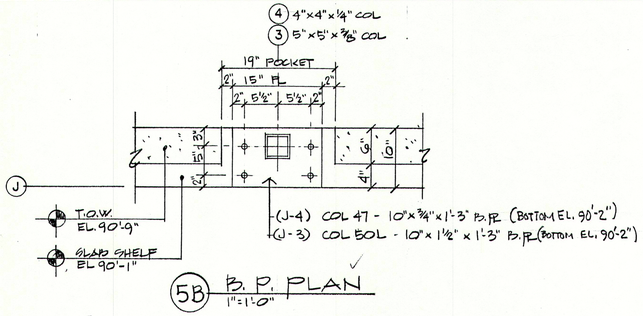


15 15A B.P. PLAN
1"=1'-0"

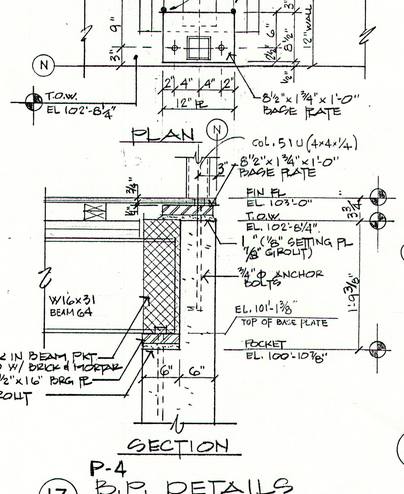


INTERIOR COLUMN FOOTING DETAIL

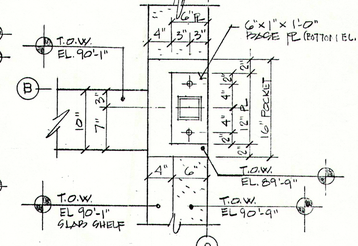
SPOT COLUMN FOOTING & BASE PL SCHEDULE							
FTG TYPE	COLUMN NO.	BASE PLATE	ANCHOR BOLTS ¾Ø	FOOTING SIZE	BOT OF FTG EL.	TOP OF FTG EL	BOT BASE PL EL	REINFORCING
A	3-7-8-16 17-40-42	12"x ¾"x12"	4 EACH	3'-6"x 3'-6"x 1'-0"	88'-9"	89'-9"	89'-10"	7-#4 6"OC. EACH WAY
A	21	DO	DO	DO	87'-9	88'-9"	88'-10"	DO
B	1-2-5-6-9 39	DO	DO	4'-0"x 4'-0" x 1'-0"	88'-9	89'-9"	89'-10"	8-#4 6"O.C EACH WAY
B	46	DO	DO	DO	86'-3"	87'-3"	87'-4"	DO
C	10-11-18-19 37-38	DO	DO	4'-6" x 4'-6" x 1'-0"	88'-9"	89'-9"	89'-10"	9-#4 6"O.C. EACH WAY
C	20-22	DO	DO	DO	87'-9"	88'-9"	88'-10"	DO
D	13-14-15-31 32-33	12"x 1"x12"	DO	5'-6"x 5'-6" x 1'-6"	88'-3"	89'-9"	89'-10"	11-#4 6'O.C. EACH WAY
D	49	DO	DO	DO	85'-9"	87'-3"	87'-4"	DO.



5B B.P. PLAN
1"=1'-0"

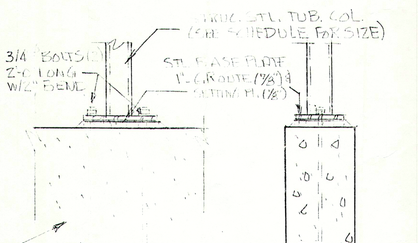


13 B.P. DETAILS
1"=1'-0" COL #31U



16 B.P. PLAN
1"=1'-0" COL #29

NOTE: DETAIL SHOWS PLATE FOR STL. COL. MATE DETAIL FOR STL. BEAM IS SAME



TYPICAL STL. BASE PLATE

N.T.S. SEE EACH TYPE SCHEDULE & DETAILS FOR PLATE SIZES

REV. & ISSUE BELOW		
1	ISSUED FOR REINFORCING & STRUCTURAL STEEL SUPPLIERS	7-18-97
NO.	REVISIONS OR ISSUE	DATE

STEEL BASE PLATE DETAILS

4	GENERAL REVISIONS - ISSUED FOR FIELD USE	8-18-97
3	GENERAL REVISIONS - ISSUED FOR BLDG PERMIT APPLICATIONS	7-29-97
2	GENERAL REVISION - ISSUED TO SUB CONTRACTORS	7-22-97
NO.	REVISION OR ISSUE	DATE

REGISTERED ARCHITECT — VERNARD E. FROST No. 363 — STATE OF MAINE

REGISTERED PROFESSIONAL ENGINEER — JOHN W. POCHEBIT 3633 — STATE OF MAINE

THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

SCALE: AS NOTED
DRAWN: W.L.W.
DATE: JULY 18, 1997

JOB NO. 97-185

DRAWING NO. S3

NOTES

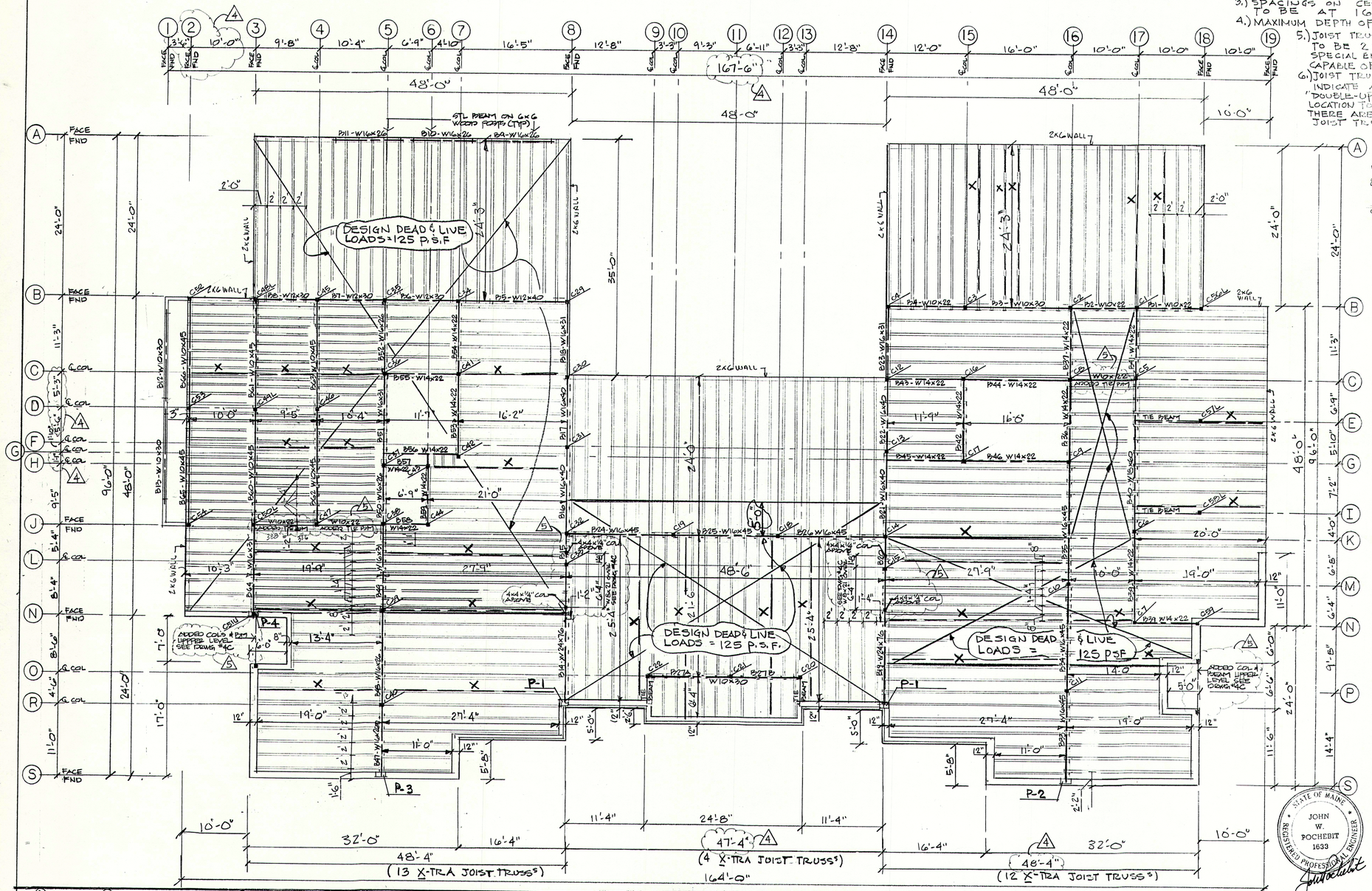
1.) DESIGN DEAD & LIVE LOADS = 125 POUNDS/SQUARE FOOT WHERE INDICATED.
ALL OTHER AREAS TO BE AT 85 P.S.F.
2.) JOIST TRUSSES INDICATED ARE ONLY TO INDICATE DIRECTION OF SPAN. NUMBER TO BE DETERMINED.
3.) SPACINGS ON CENTER ARE IN ALL CASES TO BE AT 16" O/C MAX. (NO VARIANCE).
4.) MAXIMUM DEPTH OF JOIST TRUSS TO BE 22"
5.) JOIST TRUSS END BEARING CONDITION TO BE 2 MEMBERS DEEP (3") WITH SPECIAL END PLATE CONNECTION CAPABLE OF AN END REACTION OF 2,500 LBS.
6.) JOIST TRUSSES MARKED WITH "X" INDICATE AN EXTRA TRUSS SO AS TO "DOUBLE-UP" UNDER PARTITIONS. EXACT LOCATION TO BE DETERMINED. THERE ARE TO BE APPROXIMATELY 29 EXTRA JOIST TRUSSES.
7.) JOIST TRUSS FABRICATOR IS TO PREPARE AN ENGINEERING DRAWING INDICATING LOCATION, SIZES, SPACINGS, ETC. ETC. COMPLETE FOR APPROVAL PRIOR TO FABRICATION.
8.) "X" JOIST TRUSSES ARE TO BE CAPABLE OF SUPPORTING 200 POUNDS/LINEAR FOOT.
9.) SEE DRAWINGS NO. 7 & 8 FOR LOCATIONS OF OTHER COLUMNS REQUIRED AT THE FRONT & REAR ENTRY'S, ELEVATOR, UPPER LEVEL TO SUPPORT THE ROOF GIRDER TRUSS, ETC.

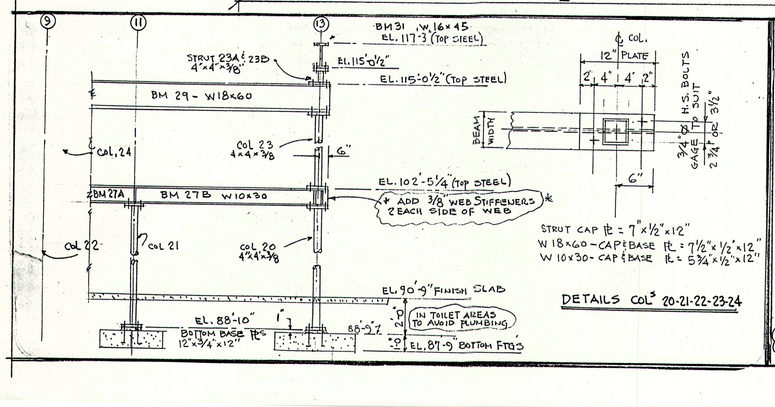
STEEL BEAM SCHEDULE

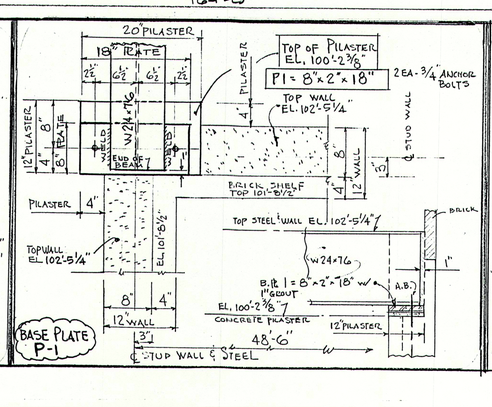
SYM	SIZE
B1	W10×22
B2	W10×22
B3	W10×30
B4	W10×22
B5	W12×40
B6	W12×30
B7	W12×30
B8	W12×30
B9	W16×26
B10	W16×26
B11	W16×26
B12	W10×30
B13	W10×30
B14	W24×76
B15	W16×40
B16	W16×40
B17	W16×40
B18	W16×31
B19	W24×76
B20	W16×40
B21	W16×40
B22	W16×40
B23	W16×31
B24	W16×45
B25	W16×45
B26	W16×45
B27A&B	W10×30
B28	W16×31
B29	W18×60
B30	W16×45
B31	W16×45
B32	—
B33	W16×45
B34	W16×45
B35	W16×45
B36	W14×22
B37	W14×22
B38	W14×22
B39	W14×22
B40	W18×60
B41	W14×22
B42	W14×22
B43	W14×22
B44	W14×22
B45	W14×22
B46	W14×22
B47	W16×26
B48	W16×26
B49	W16×31
B50	W16×26
B51	W16×31
B52	W16×26
B53	W14×22
B54	W14×22
B55	W14×22
B56	W14×22
B57	W14×22
B58	W14×22
B59	W14×22
B60	W10×45
B61	W10×45
B62	W10×45
B63	W10×45
B64	W16×31
B65	W10×45
B66	W10×45
B67	W 14×22
B68	W 14×22
B69	W 14×22
P-70	W 14×22

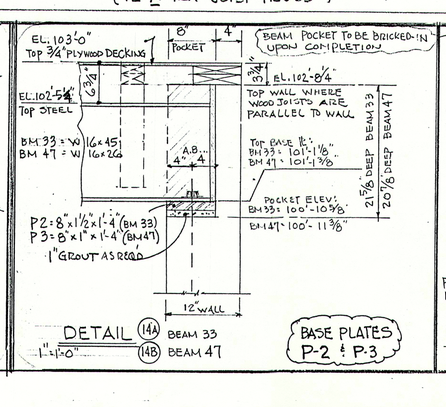
COLUMN SCHEDULE

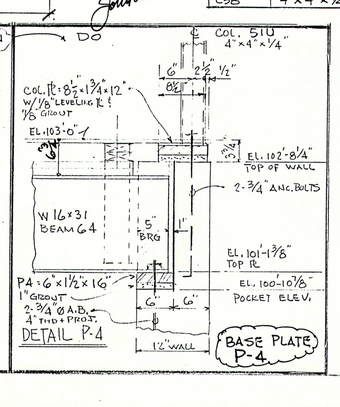
SYM	SIZE	BASE PLATE SIZE	BOT OF B.P. EL.	DETAIL NO.
C1	4"×4"×¼"	12"×¾"×12"	89'-10"	-
C2	4"×4"×¼"	DO	DO	-
C3	4"×4"×¼"	DO	DO	-
C4	4"×4"×¼"	6"×1"×12"	DO	5
C5	4"×4"×¼"	12"×¾"×12"	DO	-
C6	4"×4"×¼"	DO	DO	-
C7	4"×4"×¼"	DO	DO	-
C8	4"×4"×¼"	DO	DO	-
C9	4"×4"×¼"	DO	DO	-
C10	4"×4"×5/16"	DO	DO	-
C11	4"×4"×5/16"	DO	DO	-
C12	4"×4"×⅜"	12"×1"×12"	DO	4 CUT
C13	4"×4"×⅜"	12"×1"×12"	DO	-
C14	4"×4"×⅜"	DO	DO	-
C15	4"×4"×⅜"	DO	DO	-
C16	4"×4"×¼"	12"×¾"×12"	DO	-
C17	4"×4"×¼"	DO	DO	-
C18	4"×4"×5/16"	DO	DO	-
C19	4"×4"×5/16"	DO	DO	-
C20	4"×4"×⅜"	DO	88'-10"	SEE DETAIL THIS SHEET
C21	4"×4"×¼"	DO	88'-10"	DO
C22	4"×4"×⅜"	DO	88'-10"	DO
C23	4"×4"×⅜"	5¾"×½"×12"	102'-5¼"	DO
C24	4"×4"×⅜"	5¾"×½"×12"	102'-5¼"	DO
C25	4"×4"×¼"	6"×1"×12"	102'-6¼"	2
C26	4"×4"×¼"	6"×1"×12"	102'-6¼"	2
C27	4"×4"×¼"	12"×1"×12"	101'-9½"	1
C28	4"×4"×¼"	12"×1"×12"	101'-9½"	1
C29	4"×4"×¼"	6"×1"×12"	89'-10"	16
C30	4"×4"×⅜"	12"×1"×12"	89'-10"	4 CUT
C31	4"×4"×⅜"	12"×1"×12"	DO	-
C32	4"×4"×⅜"	DO	DO	-
C33	4"×4"×⅜"	DO	DO	-
C34	4"×4"×¼"	5½"×1"×12"	90'-10"	8
C35	4"×4"×¼"	5½"×1"×12"	90'-10"	8
C36	4"×4"×¼"	8¾"×12 8¾"	90'-10"	10
C37	4"×4"×¼"	5½"×1"×12"	DO	8A
C38	4"×4"×¼"	5½"×1"×12"	DO	8A
C39	4"×4"×¼"	12"×¾"×12"	89'-10"	-
C40	4"×4"×¼"	DO	DO	-
C41	4"×4"×¼"	5½"×1"×12"	90'-10"	5A
C42	4"×4"×¼"	12"×¾"×12"	89'-10"	-
C43	4"×4"×¼"	5½"×1"×12"	90'-2"	11
C44	4"×4"×¼"	5½"×1"×12"	90'-2"	11
C45	4"×4"×¼"	8¾"×11¾×8¾"	90'-10"	9 CUT
C46	5"×5"×¼"	12"×¾"×12"	87'-4"	-
C47	4"×4"×¼"	10"×¾"×15"	90'-2"	5B
C48U	4"×4"×¼"	8"×½"×10"	102'-5¼"	CUT
C48L	4"×4"×½"	8¾"×11¾×12"	90'-10"	12 CUT
C49U	5"×5"×¼"	8"×½"×10"	102'-5¼"	
C49L	5"×5"×⅜"	12"×1"×12"	87'-4"	-
C50U	5"×5"×¼"	9"×½"×10"	102'-5¼"	
C50L	5"×5"×⅜"	10"×1½"×15"	90'-2"	5B
C51U	4"×4"×¼"	8½"×1¾"×12"	102'-9½"	
C52	4"×4"×¼"	5½"×1"×12"	89'-1"	12A
C53	4"×4"×¼"	5½"×1"×12"	87'-9"	12B
C54	4"×4"×¼"	5½"×1"×12"	93'-7"	12C
C55	—	NOT USED		—
C56U	4"×4"×¼"		102'-5¼"	
C56L	4"×4"×¼"	12"×1"×12"	93'-7"	6 CUT
C57U	4"×4"×¼"		102'-5¼"	
C57L	4"×4"×¼"	12"×¾"×12"	89'-10"	—
C58U	4"×4"×¼"		102'-5¼"	
C58L	4"×4"×¼"	12"×¾"×12"	89'-10"	—
C59	4"×4"×¼"	12"×1"×12"	102'-6¼"	7 CUT
STRUT 23A	4"×4"×⅜"	7½"×½"×12"	115'-0½"	SEE DETAIL THIS SHEET
STRUT 24A	4"×4"×⅜"	7½"×½"×12"	115'-0½"	DO
ENTRY COL.	4"×4"×¼"	10"×¾"×10"	89'-10"	15
ENTRY COL.	4"×4"×¼"	10"×¾"×10"	89'-10"	15
ENTRY COL.	4"×4"×¼"	10"×¾"×10"	87'-7"	15A
STU	4"×4"×¼"		102'-5¼"	
SBU	4"×4"×¼"		102'-5¼"	
ISU	4"×4"×¼"		102'-5¼"	
ISU	4"×4"×¼"		102'-5¼"	











NO.	REVISIONS OR ISSUE	DATE
4	REVISED DIMENSIONS BETWEEN LINES C TO H AT LINES 2 ALONG FRONT & REAR WALLS. ISSUED FOR BLDG. PERMIT APPLICATIONS	7-29-97
3	GENERAL REVISIONS ISSUED TO SUBS CONTRACTORS	7-22-97
2	ISSUED TO REINFORCING & STRUCTURAL STEEL SUPPLIER	7-18-97
1	ISSUED FOR FOUNDATION & STEEL PADS	7-7-97

FIRST FLOOR FRAMING PLAN

THE POCHEBIT CO., INC.

171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES

TUTTLE ROAD CUMBERLAND, MAINE

SCALE: AS NOTED
DRAWN: W.L.W - S.G.W.
DATE: JULY 7, 1997

JOB NO. 97-185

DRAWING NO. 4

5 ADDED COL & BM LINES 2-3 AT LINES C & H. ADDED TIE BMS. GEN REV. ISSUED FOR FIELD USE 8-19-97

Col ① Details

SCALE: 1½"=1'-0"

5¾" F.W. on W10x22 (3 EF SIDES)

B2 W10x22 9K — B1 W10x22 9K — B4 W14x22 12K

TOP STEEL 102'-5¼" — WOOD JOIST TRUSS

W14x22 BM GA=2¾" — WOOD JOIST TRUSS

10x22 F.W.: 5¾" GA 2¾"
14x22 F.W.: 5" 2¾"

W10x22 EACH SIDE (N+F SIDES)

3" — 1½" 3½" x 3½" x ½" HSS

10" MIN. MAKE 12"

5½" x ½" x 12" CAP PL

4"x4"x¼" S. STU. COL.

NAILER HOLES:
⅜" NAILER BOLTS AT 2'-0" o.c. STAGGERED EACH SIDE OF WEB
TOP & BOTTOM FLANGES

8" 2'-8" 2'-8" 2'-8" 2'-8"

⅜" — ℄ 4x4x ¼ col. or 5x5 x ¼ col.

1⅛" EDGE DISTANCE ON 5" FLANGED BM — MAXIMUM WIDTH CAP PL ALLOWED WITHIN STUD WALLS — 5½" STUD WALLS

W14x22

2⅜" — 5¼" CAP PL

1⅛"

4x4x ¼ col. (5x5 col.)	2½" (1½")	3½" (4½")	3½" (4½")	2½" (1½")	(4 EACH ¾" H.S. BOLTS)

* USE 5½" x ½" x 12" CAP PLATE FOR ALL 5½" MAX. WIDTH BEAMS SEE SPECIAL DETAILS FOR WIDER FLANGE BEAMS THAT MUST FIT WITHIN STUD WALLS

12" CAP PL — WILL ACCEPT 5x5 col. WITH 4½" ℄ GAGE DIMENSION

Col. Cap ②

4x4x¼

B2 W10x22 10K — B3 W10x30 12K — B2 W10x22 9K — B3 W10x22 12K — B4 W14x22 12K

SIMILAR TO Col. CAP ① — USE 5½" x ½" x 12" CAP PL

Col. Cap ③

4x4x¼

B4 W10x22 9K — B3 W10x30 12K

10'-8" — To Suit ⑲ — 16½"

EL. 102'-5¼" TOP STEEL

W10x22 D=10⅛" FW=5¾" — W10x30 D=10½" FW=5¾" — W10x22 GA=2¾"

To Suit Fabricator — (15) (TYPICAL) 2 ∠ 3½ x 3½ x 5/16" x 5½" w/ 4 EA A325 HS BOLTS

5¾" x ⅜" x 6" FILLER PL WELDED TO "OTHER" W10x22

2½" 3½" 3½" 2½" — 12"

CAP PL 5¾" x ½" x 12" w/ 4 ¾" ϕ H.S. BOLTS 2¾" GAGE

2½" 3½" 3½" 2½" — 12"

OPTIONAL CAP / CONNECTION DETAILS

NOTE FOR ALL CAP PLATES WHERE 4"x4"x ___ columns ARE LOCATED – THE 3½"+3½" DIMENSIONS CAN BE 4"+4" WITH 2" EDGE DISTANCES FROM END VS 2½" AS INDICATED (PREFERRED 4"+4")

THIS IS TYPICAL FOR ALL 4x4x ___ COLUMNS

HOWEVER: FOR 5"x5"x ___ COLUMNS – THE BOLT GAGES ARE TO BE 4½"+4½" w/ 1½" END DISTANCES FOR ALL 12" LONG CAP PLATES

Col. ④ Details

4x4x¼ (B-14)

B4 W10x22 9K — (14) — B3 W16x31 F.W.=5½" — 3" — ϕ B3 — B2 W16x31 F.W.=5½"

BEAMS TO HAVE TYPICAL ⅝" ϕ NAILER BOLTS AT 2'-0" o.c. STAGGERED EACH SIDE OF WEB TOP & BOTTOM FLANGES

EL. 102'-5¼" TOP of STEEL

W10x22 B4 (7) BOLTS FW=5¾" — (2) 2¾ GA x 7" ON OPPOSITE DIRECTION

CAP PLATE TO BE 5½" x ½" x 12" w/ 1-¾" ϕ H.S. BOLTS — EXTERIOR STUD WALL

5½" WIDTH TO FIT WITHIN STUD WALL

Col Cap ⑤⑥

4x4x¼

℄ Col — To Suit — EL. 102'-5¼" (T.S.)

W 18x60 F.W.=1½" — W14x22 B4 — W10x22 TIE BEAM — B4 W 18x60 21'-0"

W14x22

7-29-97 ADDED TIE BEAM W 10x22 LOCATED ON FAR SIDE OF W18x60

2 ∠ 5" 4 x 3½" x 5/16 x 8½" w/ 6 EA A 325 BOLTS

CAP PL = 7½" x ½" x 12" GAGE 3½" 4 BOLTS

2½" 3½" 3½" 2½"

Col Cap ⑦

4x4x¼

CAP PL TO BE 5½" x ½" x 12"

SIMILAR TO CAP DETAIL ①

12" x 1" x 1'-0" BP — ℄ Col (53) — BP 12" x 1" x 1'-0" T.W. 102-5¼"

B4 W14x22 9K — B3 W14x22 2K — FW=5" — TOP STEEL EL. 102-5¼"

(17) TYPICAL NAILER BOLTS — TRUSS TOP CHORD

TIE BEAM connection

B3 8 W14x22 — 14x22 B3 TIE BEAM — 2" x ½" FILLET FIELD WELD. SHOP SPLICE

CAP PL 5½" x ½" x 12" GA = 2¾" x 7"

2¾" GA — 12" FOR WALL

6" x 6" x ¾" x 0'-8" LONG 2-⅜" EXP. BOLTS 5" o.c.

5" 8" 5" — 9" 3" — HOLLOW WALL EDGE — 12" WALL BEYOND

N

Cap PL ⑧

4x4x¼

B44 W14x22 GA=2¾" — 14x22 FW=5" — CAP PL TO BE 5½" x ½" x 12" — ℄ TIE BEAM NEAR SIDE W10x22

EL. 102'-5¼" TOP STEEL — ADD TIE BEAM W10x22 (T-29-97)

W14x22 B36 — W14x22 B37

BM 44 FAR SIDE W14x22 COPE TOP & BOTTOM FLANGES — CAP PL 5½" x ½" x 12"

Cap ⑫

4x4x⅜ col

V=26K — BM 23 W16x40 — BM 13 W14x22 V=9K — W16x40 — W14x22 — W16x31

FW=7" GA=3½" D=16

(TOTAL COL LOAD: 66K)

CAP PLATE TO BE CUT AS INDICATED SO AS TO "FIT" WITHIN STUD WALL

6" 6" — 13⅜" — 2½" GA — 3½" — 3½" — 2½" — 12" PL — TOP PLATE

PREFERRED CONNECTION DETAIL — 1/8" FILLER PL w/ W16x31 — 4-¾" ϕ H.S. BOLTS

OPTIONAL DETAIL — 4 ROW CONNECTION 8-A325HS BOLTS ALLOWABLE V: 53K — CAP PL ½" x 12" — TOTAL P=66K NO STIFFENING PLATES REQ'D

Col. CAP ⑬+⑭

4x4x⅜

BM 16 W16x40 — AT Col ⑮ — @ Col ⑭ BM 26 16 W4S FAR SIDE COPE FLANGES T+B

BM 45 W14x22 FW=5" GA=2¾" — W16x40 (21) — W16x40 (21) — CAP PL 7" x ½" x 12"

Col. CAP ⑮

4x4x⅜ col — ℄ 6" MIN. (TO SUIT FABRICATOR) — TOP STEEL 102'-5¼"

W 24 x 76 BM (19) FW=9" GA=5½" — BM (20) W16x40

9" x ½" x 12" PL GA = 5½" x 7" 4 BOLTS

2½" 3½" 3½" 2½" — 12"

Col S CAP ⑯+⑰

4x4x¼

(18) W14x22 FW=5" ga=2¾" — (19) W14x22 — BM 45 W14x22

USE 5½" x ½" x 12" PL ga = 2¾" x 7" 4 BOLTS

Col. Caps ⑱+⑲

4x4x5/16"

BM 45 W16x45 FW=7" ga=3½" — BM 60 W16x45 — BM 60 W16x45

USE 7" x ½" x 12" PL ga = 3½" x 7" 4 BOLTS

Col. Cap ㉕㉖

4x4x¼

Continuous Over — BM 31 W16x45 FW=7" GA 3½" D 16⅛" — BM 51 W16x45

TOP STEEL EL. 111'-3"

W16x45 BM 31

CAP PL = 7" x ½" x 12"

Col Cap ㉗+㉘

4x4x¼

BM 28 W16x31 D=15⅞" FW=5⅛" GA=2¾" — BM 51 W16x45

CAP PL = 7" x ½" x 12"

Col Cap ㉙

(9) W12x40 — (15) 16x31 FW=5½"

SIMILAR TO Col CAP ④ 5½" x ½" x 12"

Col. Cap ㉚

4x4x⅜ — (18) W16x31 FW=5½" D=15⅞" — (17) W16x40 FW=9" D=16

CAP = 7" x ½" x 12" ADD ⅛" FILLER PL TO W16x31 (BM 15)

Col. Caps ㉛㉜

4x4x⅜ col

W16x40 FW=9"

(31) SIMILAR TO (14) BUT NO 3RD BEAM FRAMING INTO THE CONNECTION — 7" x ½" x 12"

(32) SIMILAR TO (14)

Col. Cap ㉝

SIMILAR TO CAP ⑮ — 9" x ½" x 12" PL

Col Cap ㉞

SIMILAR TO CAP ① — 5½" x ½" x 12"

Col. Cap ㉟

W16x26 FW 5½" D=15¾" GA=2¾" — 5½" x ½" x 12"

Col. Cap ㊱

W16x26 5⅞"–15⅞" — W16x31 5⅞"–15⅞" — 5½" x ½" x 12" — USE ⅛" FILLER PL on W16x26 BM (32)

Col. Cap PL ⑨ (REVISED) 7-31-97

4x4x¼ col

(16) W14x22 — 10' — OR

BM (35) W16x45 FW=7" — W14x22 — BM (36) W14x22

USE Col. CAP 7" x ½" x 12" 4 BOLTS — PREFERRED METHOD

WALL BEYOND — 10'

ABOVE CEILING BOX OUT ON STAIRWELL 1'-0" to 6'-0" MAX — ADD 3½" STEEL STUD — 5½" STEEL STUD — WILL BOX THIS OUT ABOVE CEILING LINE

11" RAISE — WT ¼ W14x22 — 2 ∠ 5 4 x 3½ x 5/16

10'

CAP ⑩ ⑪

4x4x5/16 col

(34) W16x45 FW=7" GA=3½" — (33) 16x45 — EL. 102'-5¼" TOP STEEL

CAP PL TO BE 7" x ½" x 12" GA = 3½" 4 BOLTS

NO.	REVISIONS OR ISSUE	DATE
2	GENERAL REVISIONS – ISSUED FOR FIELD USE	8-18-97
1	REVISED COL CAP #9 – ISSUED TO STRUCTURAL STEEL SUPPLIER	8-4-97

COLUMN CAP PLATE & BEAM CONNECTION DETAILS

THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

SCALE: NONE
DRAWN: JWP
DATE: JULY 30, 1997

JOB NO. 97–185

DRAWING NO. 4A

PROFESSIONAL GRAPHICS DPD-40

COLUMN CAP DETAILS

4x4x — COLUMNS TO HAVE 1/2" CAP PLATES
5x5x — COLUMNS TO HAVE 5/8" CAP PLATES

1	5½"x½"x12"	SEE DETAIL COL CAP ①		36	5½"x½"x12" CAP PL	USE ⅛" FILLER PL ON DWG #2 W16x26
2	DO	SIMILAR TO CAP ①		37	DO	
3	5¾"x½"x12"	SEE DETAIL COL CAP ③		38	DO	
4	5½"x½"x12"	SEE DETAIL COL CAP ④		39	DO	
5	7½"x½"x12"	SEE DETAIL COL CAP ⑤		40	5½"x½"x12" CAP PL	
6	DO	DO		41	DO	
7	5½"x½"x12"	SIMILAR TO CAP ④ PLUS SEE DETAIL CAP ⑦ FOR TIE BEAM		42	DO	
8	DO	SEE DETAIL CAP PL ⑧		43	DO	
9	7"x½"x12"	SEE DETAIL CAP ⑨ (REVISED 7-24-97 (4 BOLTS))	✓	44	DO	W10x45 TO BEAR ON CAP FRAME W12x30 INTO W10x45 SIDE FLANGE PER DETAIL
10	7"x½"x12"	SEE DETAIL CAP ⑩	✓	45	8"x½"x12" CAP	
11	DO	V V V V	✓	46	8"x5/8"x12"	(5½"x9" GAGE) SEE DETAIL
12	CUT FROM 7"x½"x12" PL	SEE DETAIL CAP ⑫	✓	47	8"x½"x12"	DO
13	7"x½"x12"	SEE DETAIL ⑬ & ⑭	✓	48U	CUT FROM 8"x½"x12" PL W/SIDE PLATES	SEE DETAIL COL 48
14	DO		✓	48L	CUT FROM 8"x½"x12" PL	SEE DETAIL COL 48
15	9"x½"x12"	SEE DETAIL CAP ⑮	✓	49U	½" SADDLE 5/8" BASE	SEE DETAIL 49
16	5½"x½"x12"		✓	49L	5/8" CAP ½" BASE	SEE DETAIL 49
17	DO		✓	50U	½" SADDLE 5/8" BASE	SEE DETAIL 50U
18	T"x½"x12"		✓	51L	5/8" CAP ½" BASE	SEE DETAIL 50L
19	DO		✓	51U	½" SADDLE - SEE DETAIL 51U	
20	5¾"x½"x12"	SEE DETAILS DWG #4	✓	52	8"x½"x8¾"	SEE DETAIL 52
21	DO	DO	✓	53	8"x½"x12"	(5½"x7" GAGE)
22	DO	DO	✓	54	8"x½"x12"	SEE DETAIL 54
23	7½"x½"x12"	DO	✓	55	NOT USED	
24	DO	DO	✓	56U	½" SADDLE - SEE DETAIL 56U	
25	7"x½"x12"	SEE DETAIL CAP ⑮ & DWGS 8 & 14	✓	56L	12"x½"x12" W/NOTCH OUT	SEE DETAIL 56L
26	DO		✓	57U	SEE DETAILS 57U	
27	DO		✓	57L	✓ ✓	57L
28	DO		✓	58U	✓ ✓	58U
29	5½"x½"x12"	SIMILAR TO CAP DETAIL ④	✓	58L	✓ ✓	58L
30	7"x½"x12"	W/⅛" FILLER PL ON W18 W16x31	✓	59	½" SADDLE - SEE DETAIL 59U	
31	DO		✓	STRUT 23A	7"x½"x12"	SEE DETAILS DWG #4
32	DO		✓	STRUT 24A	DO	DO
33	9"x½"x12" PL	SIMILAR TO CAP ⑮	✓	59U		
34	5½"x½"x12"	SIMILAR TO CAP ①	✓	43U		
35	DO	DO	✓	44U		

EQUALS

BEAM SEAT PL: 1/2" BENT PL JOIST SUPPORT (Bent Pl) 9½"x12"x 6" HIGH (Bearing Pl) DETAIL TO FOLLOW

Col. Cap (48) & (48U) (REVISED 8-2-97)

4x4x1/4 & 4x4x1/2

Col. Cap (48) 4x4x — col.

Bm (3) W12x30 Fu=65 D=11⅜ 3½

ROOF TRUSS GUSSET BOTTOM CHORD 2-2½"x6" PLATE MINIMUM

12" 6" 6" ℄ col. 3/8 THRU-LA BOLT

5" OUTSIDE TO FACE WITHIN 5½" STUD WALL

SECTION X-X (TRAN)

CUT BEAM FLANGE (COPE) & CAP PL OF (48L) TO 5" WIDE

CUT FROM 8"x½"x12" PL

Bm (3) W10x45 Fu=50 D=11⅛ 3½

WEB OF BM (3) W12x30

GA

STUD WALL OUTLINE

ROOF GIRDER TRUSS

OUTSIDE FACE OF WALL

8" OUTSIDE

SADDLE TYPE CAP ½" 7" 7/16ϕ LAG SCREW HOLES E.S. + BOTTOM

½" BASE PL COL 48U

WEB OF BM (1) W10x45

Col. 48U (4"x4"x¼)

EL. 102'-5¼" TOP OF STEEL

BM (8) W12x30 COPE FLANGES

4 BOLTS ¾"ϕ HS TOP & BOTTOM

* COPE T & B FLANGES OF BM (2) W10x45

½" CAP PL COL 48U

2¾" GA. ℄ 5½" GA (4"x4"x½) COL 48L

6" 12" LONG 6" 4"x¼ 2" NOTCH OUT 3½" IN NOTCH OUT TOWARDS LINE (A)

1½" 4½" 4½" 1½"

REVISED 8-2-97

Col # 49L + 49U

(5x5x3/8) (5x5x¼) ℄ col.

BM (3) W12x30 Fu=65 D=11⅜ 3½

PLATE

5½ GA

1¼" 1¼"

12" PL 9"

12" LONG 1½" 4½" "4½" 1½"

3" 3" 8" OUTSIDE

Top Saddle PL EL. 113'-6" ½" SADDLE-TYPE CAP

7/16ϕ LAG BOLT/SCREW HOLES SIDES & BOTTOM (8 LAGS)

COL (49U) SADDLE CAP: ½" BASE PL: 8"x5/8"x12"

COL (49L) CAP: 8"x5/8"x12" BASE PL: 12"x1"x12"

Top Steel 102'-5¼"

W10x45 (6) W10x45 (61)

COL (49U) 5x5x¼ 8"x5/8"x12"

9" 8"x5/8"x12" COL (49L) 5x5x3/8

Col. (56U) & (56L)

4x4x¼ col (56U)

8" OUTSIDE

7/16ϕ HOLES FOR 3/8ϕ LAG BOLTS (8 TOTAL) 4 BOTTOM 4 SIDES

SEE CAP (51U) FOR SLOPED CUT TOWARDS LINE (A)

EL. 113'-6" TOP OF SADDLE BASE PLATE

12" LONG 5½" 4½" 1½" 3¼" 2¼" 2¼" 1¾"

Face of Exterior Wall

Col (56U)

Bm (1) W10x22

Bm (1) W10x22

5¾" FLANGE 1½" 5/16 5/8 WIDE

2" 4" 4" 2"

12"x½" BASE PL 12"x½" CAP PL

*F Col (56U) of Col (56L)

Col (56L)

FOUNDATION WALL BELOW (Top Wall El'ev. 93'-6")

12" BASE

12" BASE PL

BASE PL - SEE DETAIL 6 - DWG 3 12"x1"x12" BASE PL

Col. Cap (50U) & (50L)

5x5x¼ 5x5x3/8

PLAN VIEW SIMILAR TO CAP (49U)

(2) W10x45 Fu=50 D=10⅛ GA=2⅜

TIE BEAM W10x22 Fu=50 D=10⅛ GA=2¾

12" LONG

½" 9" 1½"

7/16ϕ HOLES EACH SIDE (4 TOTAL)

TOP EL. 113'-6" TOP SADDLE PL

3¼" 2¾"

5½" 1¼"

½" SADDLE-TYPE CAP

7/16ϕ HOLES AT BOTTOM (4 TOTAL)

12" R 9" 7" 7" 1½" 3"

8" PL

8"x5/8"x12" 5½" GA x 9" 4 BOLTS

col (50U) 5x5x¼ 10" ± (TO SUIT FABRICATOR)

(2 ROWS) 2¾" 4"x3½"x5/16" ALLOW V=26.5K

W 16x31 V=110K

EL. 102'-5¼" TOP STEEL

W10x45

8"x5/8"x12" 5½" GA x 9" 4 BOLTS

5x5x3/8 Col 50U Base PL Dwg #3 (10"x 1½"x1'-3")

Roof Girder Trusses Connection

Col. Cap (51U) & Col Cap (59U)

4x4x¼ col

EXTERIOR FACE WALL

CUT OUT 2" DEEP ON SLOPE OF

NOTCH OUT TOWARDS OUTSIDE OF BUILDING TOWARDS LINE (5)

12" LONG 1½" 4½" 4½" 1½"

3" 3" 12" 12" 7" 2"

6" HIGH 2¾" 3¼"

ELEV. 113'-6" TOP OF SADDLE PLATE

7/16ϕ HOLES FOR 3/8ϕ LAG BOLTS 4 on Sides 4 on Bottom Plate

WELDED SEAM SCREWED

4½" 4½" 4"x4"x¼ col. 5½" Expanded for 2-stud Width

8" OUTSIDE 7" INSIDE 1½"

CAP (51U)

CAP (59U)

12" NOTCHED END 7"

ELEV. 113'-6" TOP OF ½" PLATE

For Base PL Detail - See Detail 13 - Dwg 3 8½"x1¾"x12"

For Base PL Detail - See Detail 7 - Dwg 3 12"x1"x12" w/ cut-out

---

Columns 57L + 57U
Columns 58L & 58U
Base PL's 0.57L 58L on Dwg #3
12"x¾"x12"

CAPS ARE SIMILAR TO 49U & 50U
½"x12" Long x 6" High SADDLES TO SUPPORT ROOF GIRDER TRUSSES

4x4x — col.

16'-0"

12" CLEAR

6¾" 3/4

"TOP 3/4" Plywood = 10'-3" FINISH FLOOR 10'-0" 10'-5¼"

EL. 102'-5¼" Top of Steel (Between Base & Cap PL's)

4x4x — col.

℄ Floor Truss 4¼" 4" 4¼" ℄ Floor Truss

12" CLEAR

EL. 102'-5¼" EL. 102'-5¼"

NOTE:
+ INDICATE 7/16ϕ HOLES FOR 3/8ϕ LAGS/THRU-BOLTS 6 EACH READ FOR FASTENING WOOD NAILERS/BLOCKING, ETC. TO BRACE CONNECTION PL'S TO FLOOR JOISTS & DECKING
O = 4¾"ϕ H.S. BOLTS (8 o.c. E.W.) FOR SECURING BASE & CAP PL's (½" DIA)

8" 2" 4" 2" 12"x½"x12" BASE CAP

NO.	REVISIONS	OR	ISSUE	DATE
2	GENERAL REVISIONS ISSUED FOR FIELD USE			8-18-97
1	GENERAL REVISIONS & ADDITIONS - ISSUED TO STRUCTURAL STEEL SUPPLIER			8-4-97

COLUMN CAP PLATE & BEAM CONNECTION DETAILS

THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
THTLE ROAD CUMBERLAND, MAINE

SCALE: NONE
DRAWN: JWP
DATE: JULY 30, 1997

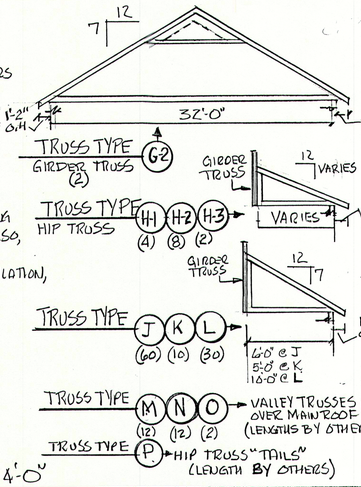
JOB NO. 97—185

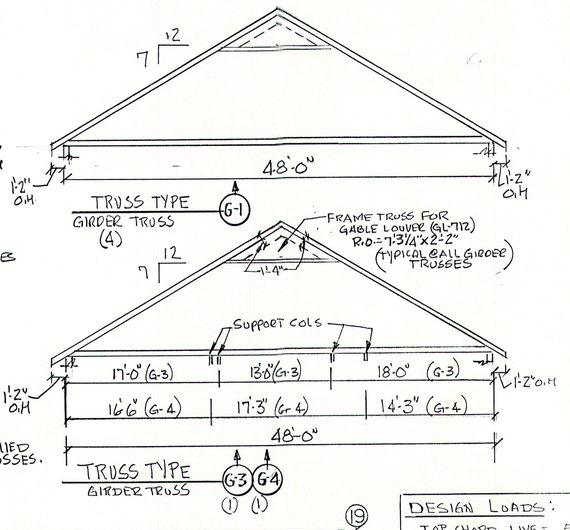
DRAWING NO. 4B

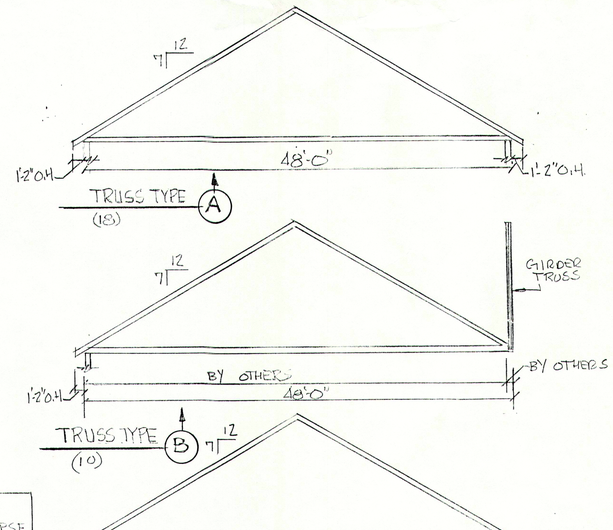
PROFESSIONAL GRAPHICS DPD-4D

NOTES

1. CONTRACTOR TO INSTALL ALL TEMPORARY AND PERMANENT ROOF TRUSS BRACING AND TIES AS REQUIRED AND RECOMMENDED BY TRUSS MANUFACTURER. ALSO ALL BRACING AND TIES SHOWN ON CONSTRUCTION PLANS.
2. ROOF TRUSS TO BE DESIGNED AND "SEALED" BY STATE OF MAINE STRUCTURAL ENGINEER AND GUARANTEED BY MANUFACTURER.
3. ROOF TRUSS DESIGN CRITERIA TO MEET OR EXCEED ALL CODES FOR THE AREA IN WHICH BUILDING IS TO BE BUILT. (SEE TRUSS SCHEDULE FOR MIN. LOAD DESIGN)
4. ROOF TRUSS ENGINEER & MANUFACTURER TO SPECIFY AND STIPULATE SIZE & TYPE OF TRUSS TO BEARING PLATE ANCHOR CONNECTIONS TO BE USED AND METHOD OF APPLICATION. ALSO, CONNECTION DETAILS FOR ALL HIP TRUSSES, GIRDER TRUSSES AND VALLEY TRUSSES SHALL BE SPECIFIED.
5. WEB DESIGN TO BE DETERMINED BY TRUSS ENGINEER.
6. ROOF TRUSS LENGTHS AND AMOUNT NEEDED TO BE VERIFIED AND DETERMINED BY TRUSS ENGINEER AND MANUFACTURER.
7. TRUSS DESIGN TO ADHERE TO T.P.I. INSTITUTE DESIGN STANDARDS, LATEST EDITION.
8. CONTRACTOR TO SUBMIT WOOD TRUSS SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO FABRICATION.
9. TRUSS MANUFACTURER TO DETERMINE NUMBER OF TRUSSES REQUIRED TO MAKE UP ALL MULTI-TRUSSES IN ADDITION TO ATTACHMENT DETAILS SO MULTI-TRUSSES ACT AS ONE UNIT.
10. TRUSS MANUFACTURER TO PROVIDE DETAILS TO FIELD MODIFY ANY TRUSS THAT MAY HAVE TO BE CUT TO AVOID ANY STRUCTURAL FRAMING OR UNKNOWN SITE CONDITIONS
11. TRUSS MANUFACTURER TO PROVIDE ALL HANGERS REQUIRED. SUBMIT HANGER SCHEDULE FOR ENGINEER REVIEW AND TO CONTRACTOR.
12. TRUSS MANUFACTURER TO PROVIDE CONTRACTOR WITH T.P.I INSTITUTE APPROVED SYSTEM PERMANENT LATERAL AND DIAGONAL BRACING REQUIREMENTS FOR ALL ROOF TRUSSES.
13. ROOF SHEATHING TO BE 5/8" 32/16 APA RATED CDX PLYWOOD WITH EXTERIOR GLUE. NAIL USING 8d NAILS 6" O.C. AT EDGES & 12" O.C. AT FIELD. ALSO, USE METAL PLYWOOD CLIPS @ EDGES.
14. MECH. ENGINEER TO DESIGN FOR ATTIC VENTILATION, USE PASSIVE OR MECHANICAL MEANS. PROVIDE SUFFICIENT VAPOR RETARDER.
15. ROOF TRUSSES TO BE DESIGNED TO CARRY ROOF CUPOLAS. (SEE PLAN FOR LOCATIONS). REFER TO CONSTRUCTION PLANS FOR SIZE AND DESIGN OF CUPOLA.

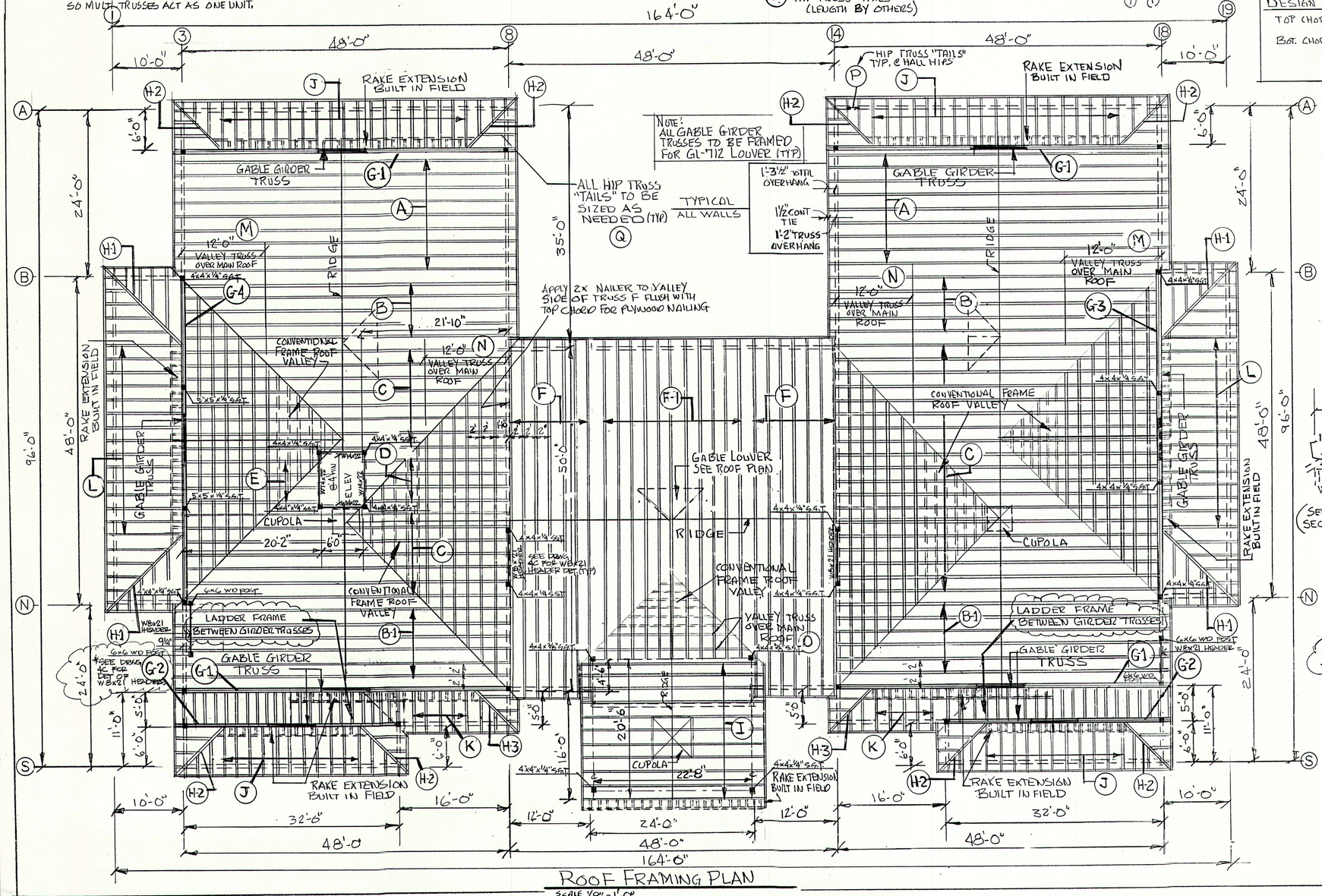






DESIGN LOADS:

TOP CHORD	LIVE =	50 PSF
	DEAD =	10 PSF
BOT. CHORD	LIVE =	10 PSF
	DEAD =	10 PSF



ROOF FRAMING PLAN
SCALE 1/8" = 1'-0"

NO.	REVISIONS OR ISSUE	DATE
3	ADDED W8x21 HEADERS LINES 2, 8, 13, 18 & COL/POST SIZES GEN. REV. ISSUED FOR FIELD USE	8-21-97
2	GENERAL REVISIONS - ISSUED FOR BUILDING PERMIT APPLICATIONS	7-29-97
1	ISSUED TO SUBCONTRACTORS FOR BID PROPOSALS	7-23-97

ROOF FRAMING PLAN & TRUSS DETAILS

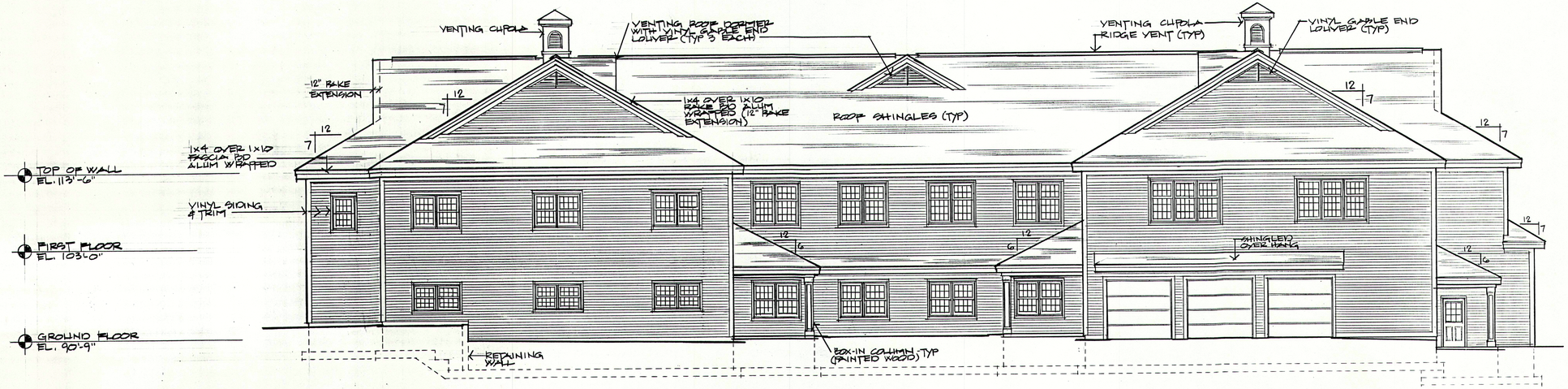
THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

SCALE: 1/8" = 1'-0"
DRAWN: W.L.W
DATE: JULY 21, 1997
JOB NO. 97-185
DRAWING NO. 5

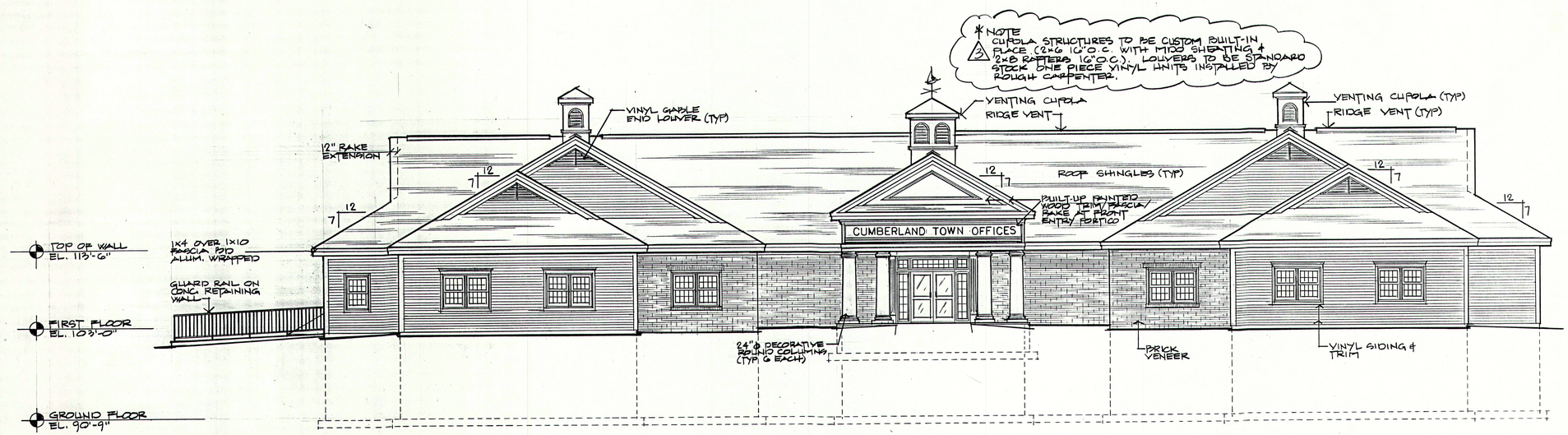
REGISTERED ARCHITECT VERNARD E. FROST No. 363 STATE OF MAINE

STATE OF MAINE JOHN W. POCHEBIT 1633 REGISTERED PROFESSIONAL ENGINEER



REAR ELEVATION

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



FRONT ELEVATION

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

NO.	REVISIONS OR ISSUE	DATE
3	ADDED NOTE ON CUPOLA STRUCTURES * ISSUED FOR CONSTRUCTION	8-14-97
2	ISSUED FOR BLDG PERMIT APPLICATIONS	7-29-97
1	ISSUED TO SUB CONTRACTORS FOR BID PROPOSALS	7-23-97

BUILDING ELEVATIONS

THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

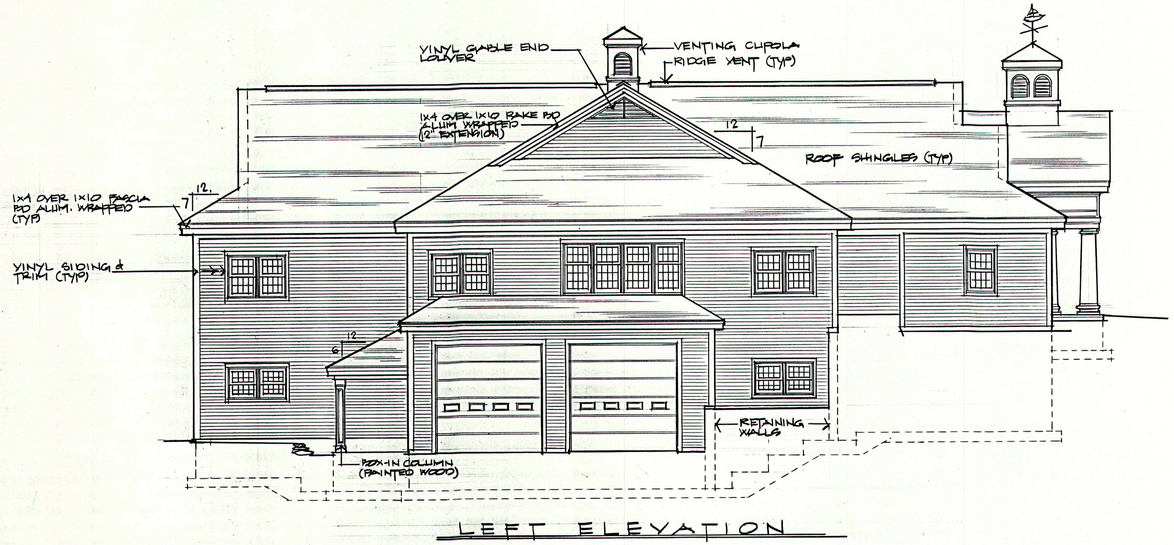
PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
THISTLE ROAD CUMBERLAND, MAINE

REGISTERED ARCHITECT * STATE OF MAINE * VERNARD E. FROST No. 363

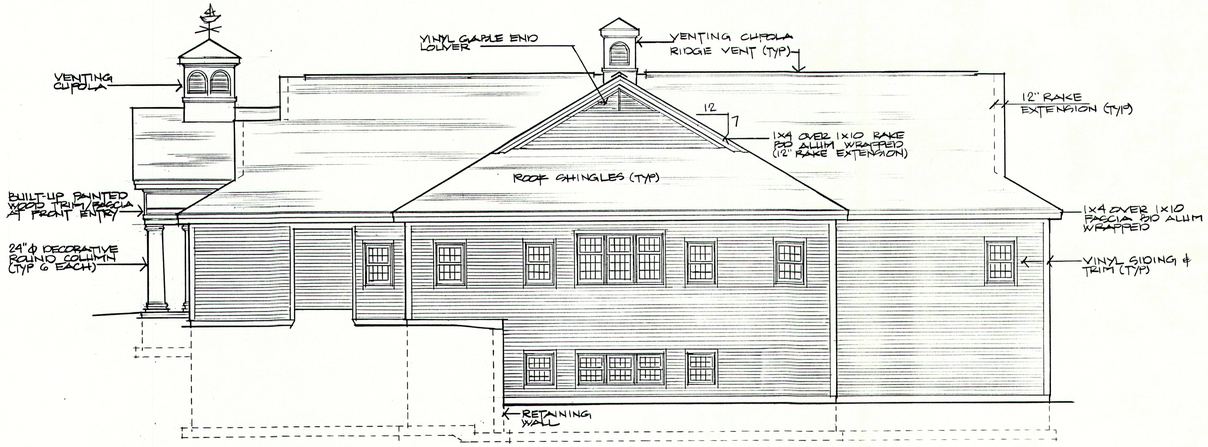
STATE OF MAINE * JOHN W. POCHEBIT 1693 * REGISTERED PROFESSIONAL ENGINEER

SCALE: 1/8"=1'-0"	JOB NO.	DRAWING NO.
DRAWN: S.G. WIEMER	97—185	10
DATE: JULY 21, 1997		

PROFESSIONAL GRAPHICS DPD-4D



LEFT ELEVATION



RIGHT ELEVATION

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

NO.	REVISIONS OR ISSUE	DATE
3	ISSUED FOR CONSTRUCTION	8-14-97
2	REVISED RIGHT ELEV. (WINDOW DELETED PER GR.FLOOR PLAN)-ISSUED FOR BLDG. PERMIT APPLICATIONS	7-29-97
1	ISSUED TO SUB CONTRACTORS FOR BID PROPOSAL	7-23-97

BUILDING ELEVATIONS

THE POCHEBIT CO., INC.

171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING

TOWN OF CUMBERLAND TOWN OFFICES

THTLE ROAD CUMBERLAND, MAINE

SCALE: 1/8" = 1'-0"
DRAWN: S.G. WIEMER
DATE: JULY 21, 1997

JOB NO. 97-185

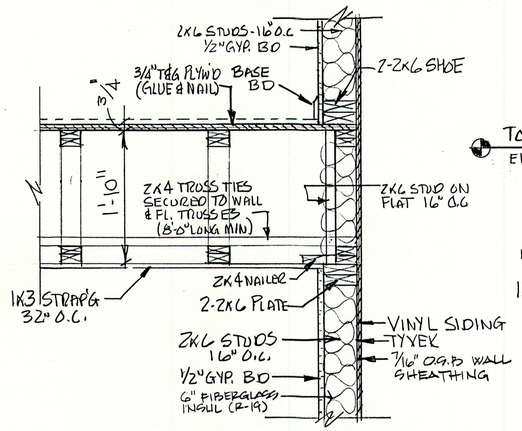
DRAWING NO. 11

REGISTERED ARCHITECT VERNARD E. FROST No. 363 STATE OF MAINE

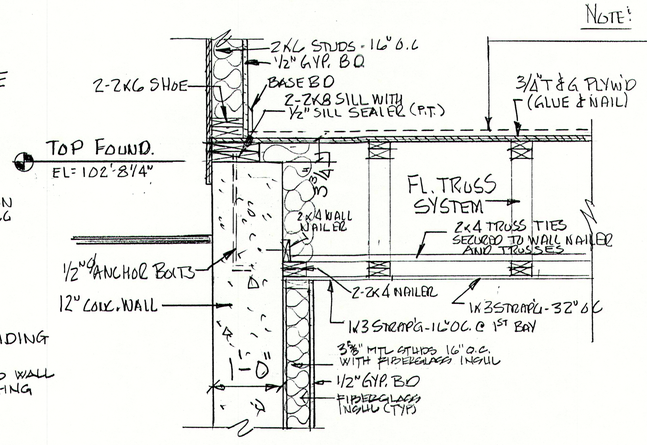
STATE OF MAINE JOHN W. POCHEBIT 1693 REGISTERED PROFESSIONAL ENGINEER

597871

PROFESSIONAL GRAPHICS DPD-4D

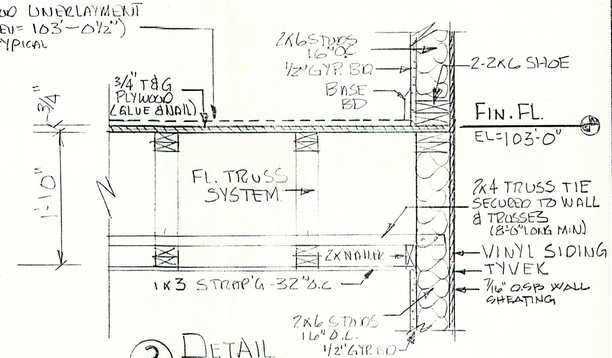


1 DETAIL
1"=1'-0"

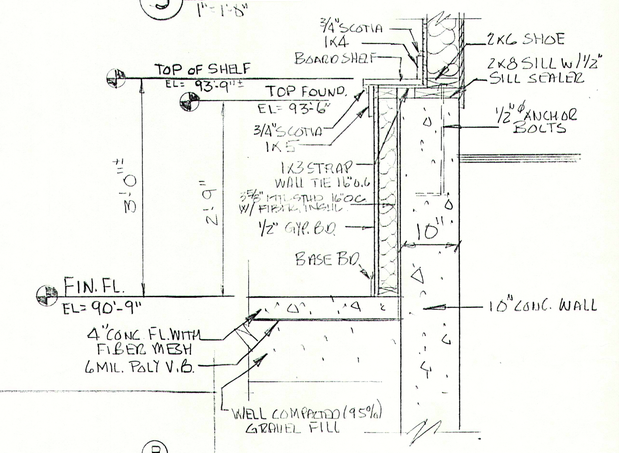


2 DETAIL
1"=1'-0"

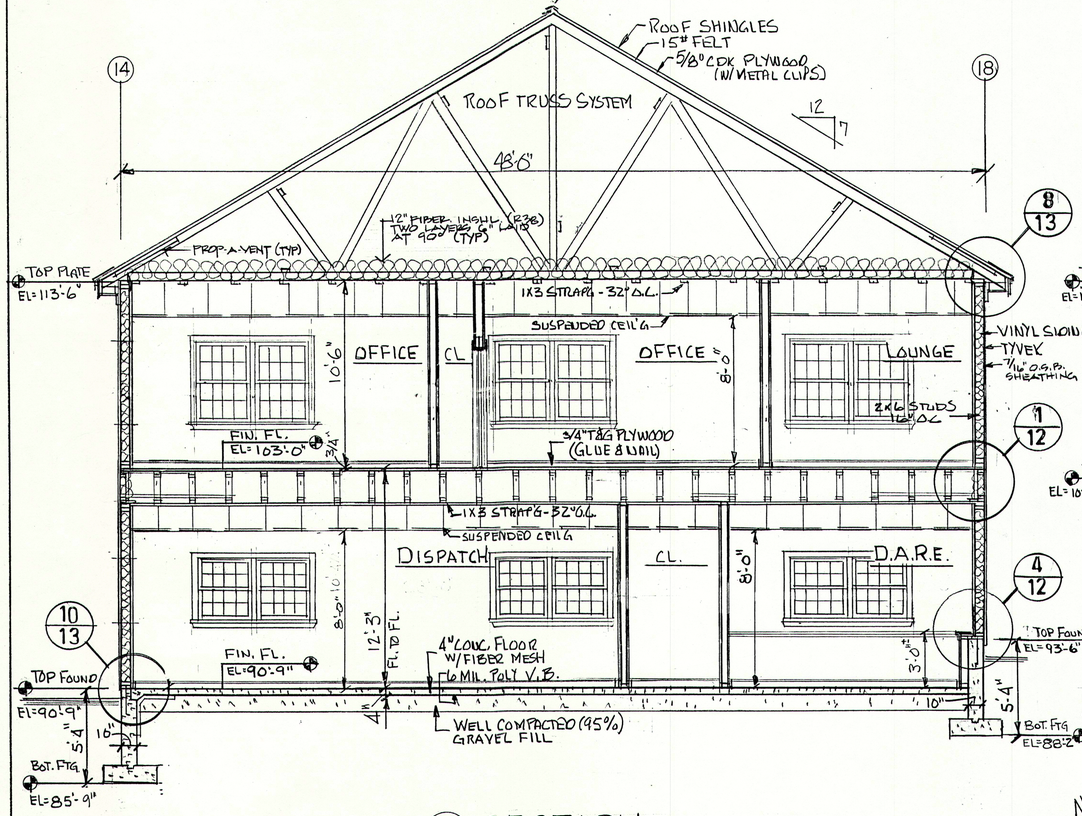
NOTE: 1/2" PLYWOOD UNDERLAYMENT (TOP ELEV= 103'-0 1/2") TYPICAL



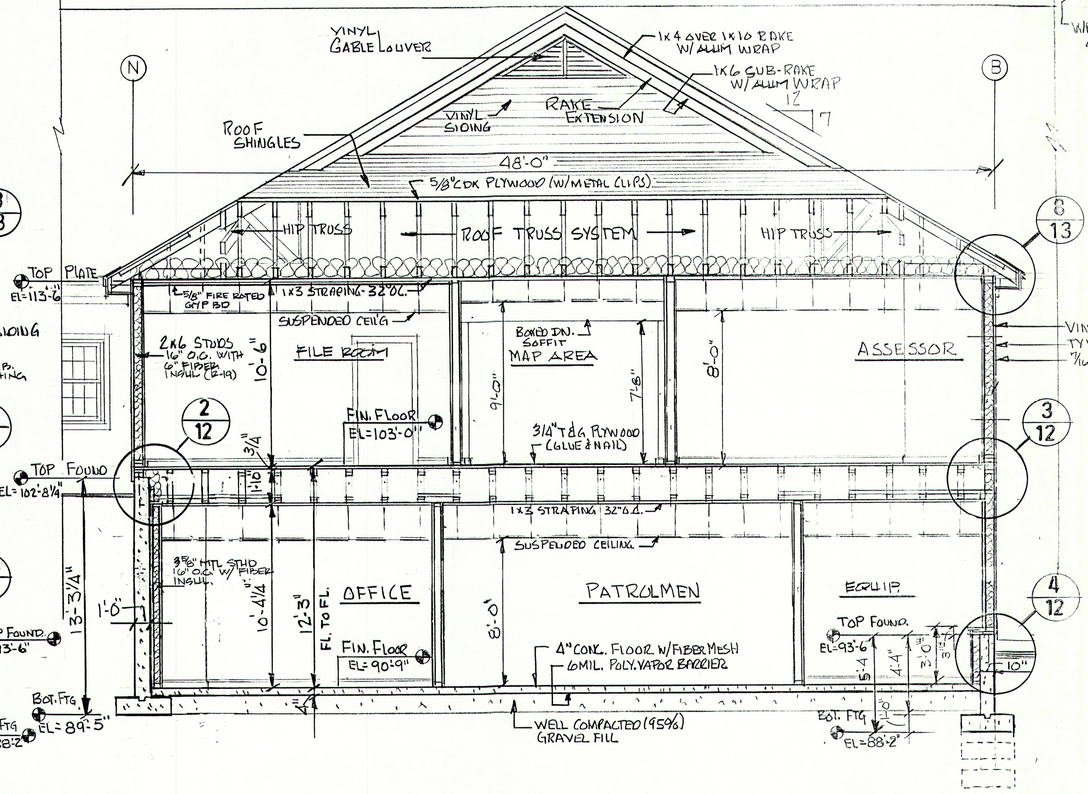
3 DETAIL
1"=1'-0"



4 DETAIL
1"=1'-0"



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



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

NOTE: SEE FOUNDATION PLAN & RELATED DETAILS FOR STL. REINF. IN CONC. WALLS, FOOTINGS AND FLOOR.

NO.	REVISIONS OR ISSUE	DATE
4	GENERAL REVISIONS & ISSUED FOR CONSTRUCTION	8-4-97
3	GENERAL REVISIONS - ISSUED FOR BLDG. PERMIT APPLICATIONS	7-29-97
2	GENERAL REVISIONS - ISSUED TO SUB CONTRACTOR FOR BID PROPOSALS	7-23-97
1	MAILED FOR FOUNDATION & STEEL BIDS	7-7-97

BUILDING SECTION & DETAILS

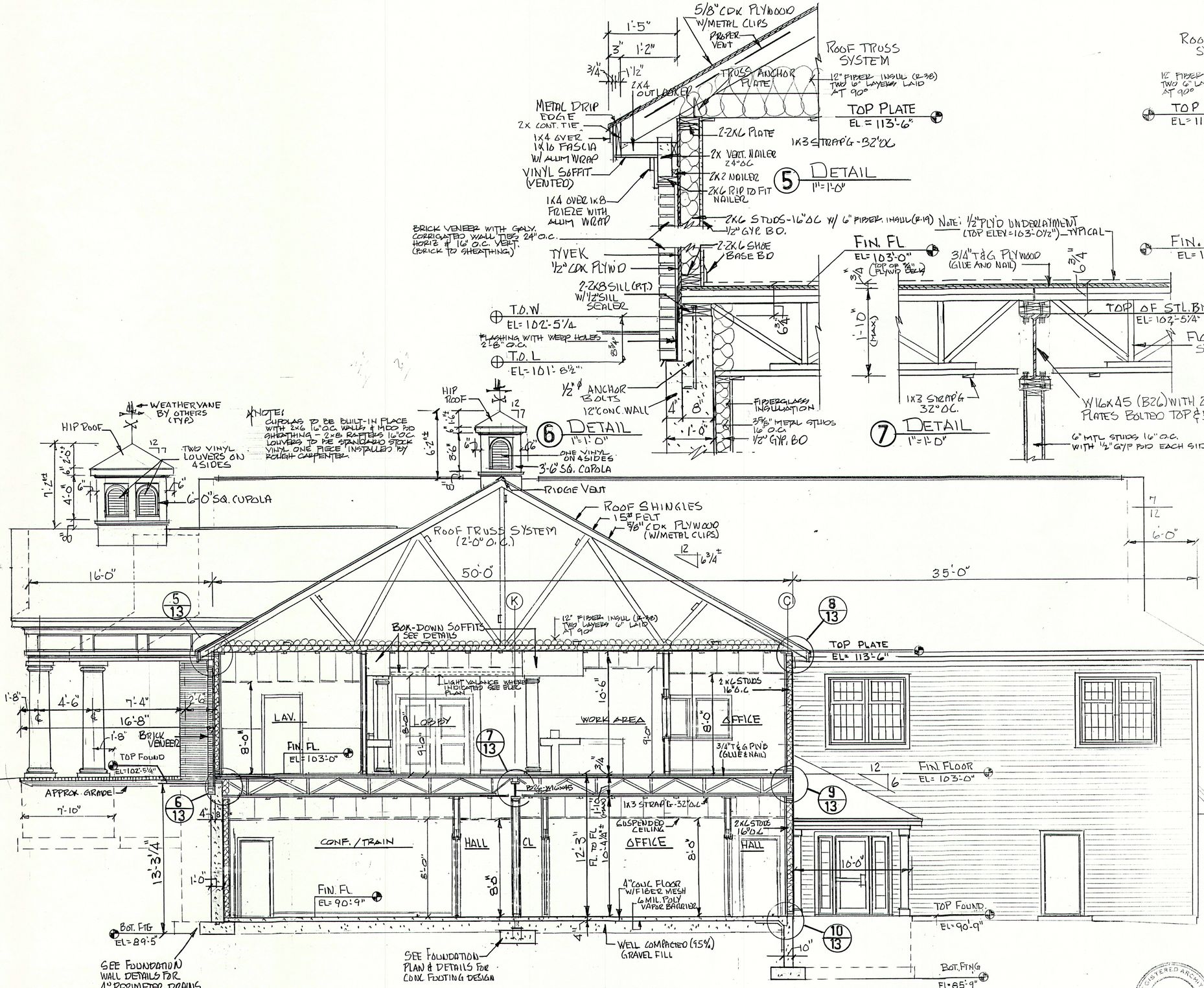
THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

SCALE: AS NOTED
DRAWN: W.L.W.!
DATE: JULY 6, 1997

JOB NO. 97--195

DRAWING NO. 12

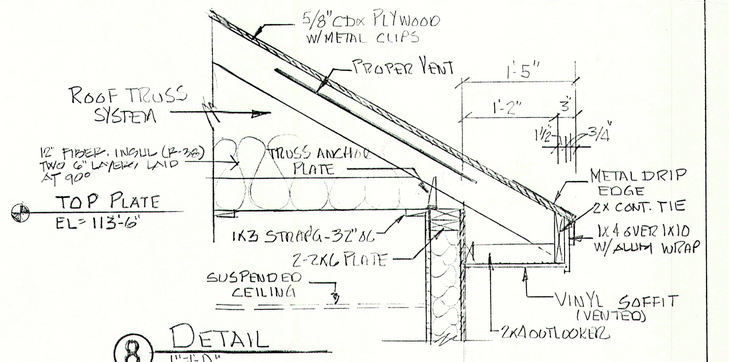


C SECTION
SCALE: ¼"=1'-0"

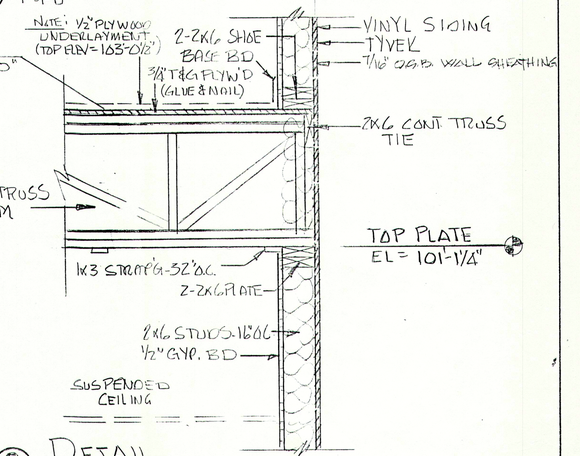
NOTE: SEE FOUNDATION PLAN & RELATED DETAILS FOR STL. REINF. IN CONC. WALLS, FOOTINGS AND FLOOR

6 DETAIL
1" = 1'-0"

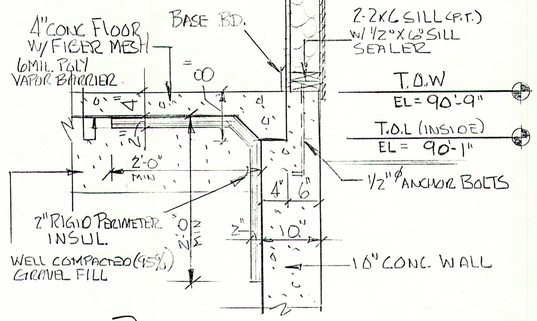
7 DETAIL
1" = 1'-0"



8 DETAIL
1" = 1'-0"



9 DETAIL
1" = 1'-0"



10 DETAIL
1" = 1'-0"

NO.	REVISIONS	OR	ISSUE	DATE
3	GENERAL REVISIONS - ISSUED FOR BLDG PERMIT APPLICATIONS			7-29-97
2	GENERAL REVISIONS - ISSUED TO GNRL CONTRACTORS FOR BID PROPOSALS			7-23-97
1	ISSUED FOR FOUNDATION & STEEL BIDS			7-7-97

BUILDING SECTION & DETAILS

THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

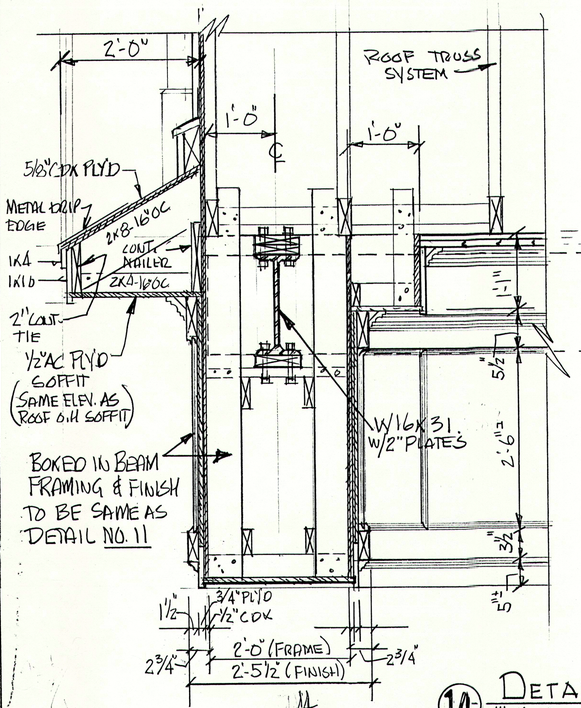
SCALE: AS NOTED
DRAWN: W.L.W.
DATE: JULY 7, 1997

JOB NO. 97—185

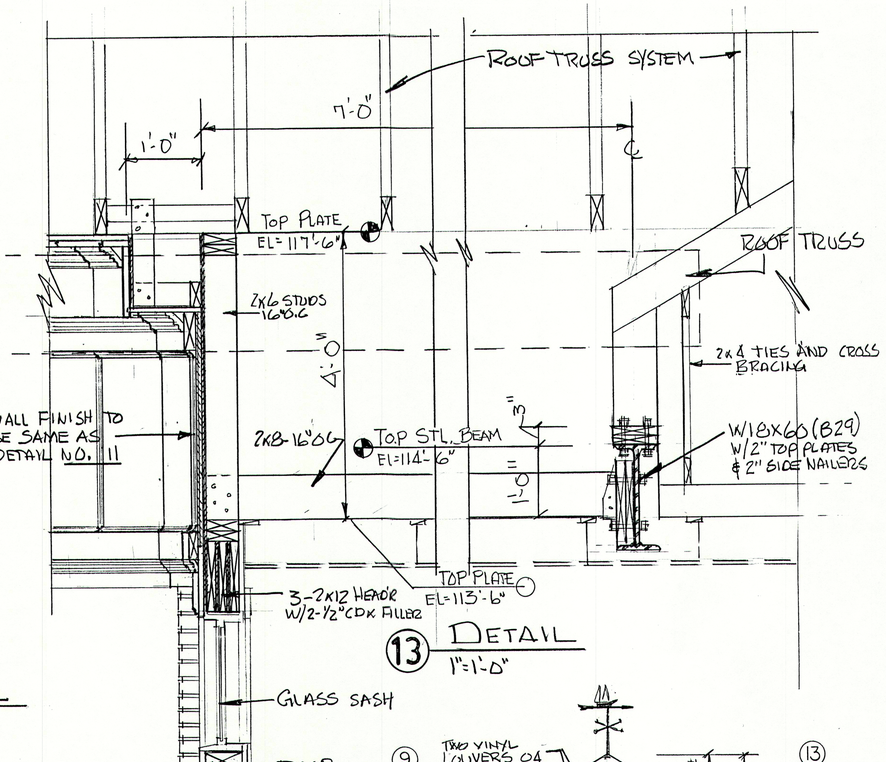
DRAWING NO. 13

REGISTERED ARCHITECT — VERNARD E. FROST No. 363 — Vernard E. Frost

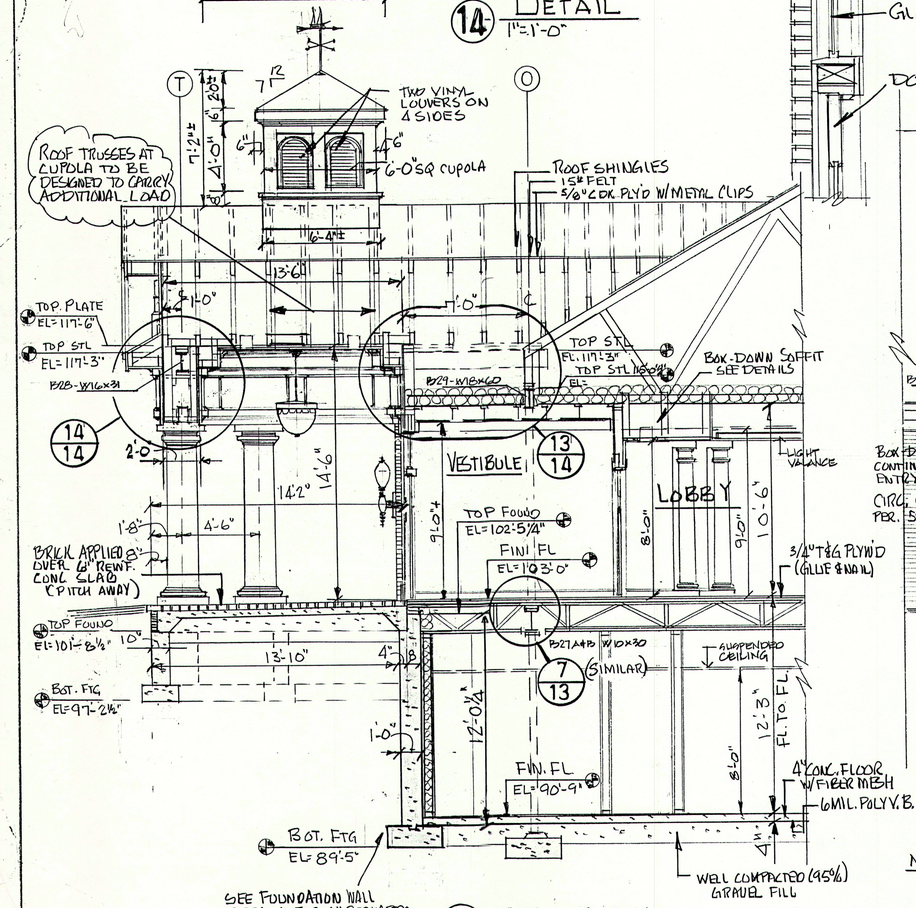
STATE OF MAINE — REGISTERED PROFESSIONAL ENGINEER — JOHN W. POCHEBIT 1633 — John W. Pochebit



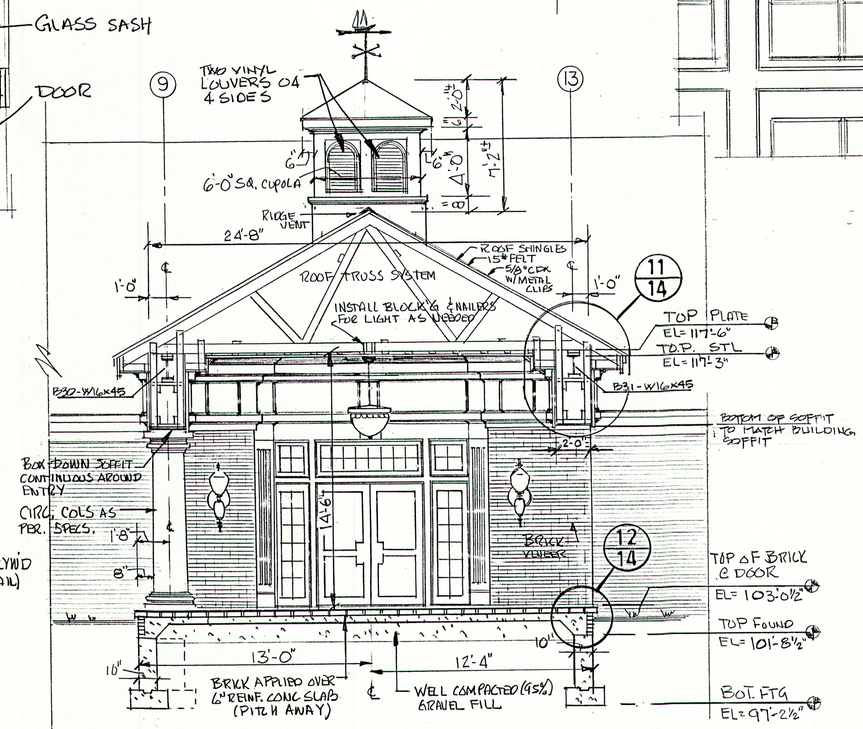
14 DETAIL
1"=1'-0"



13 DETAIL
1"=1'-0"

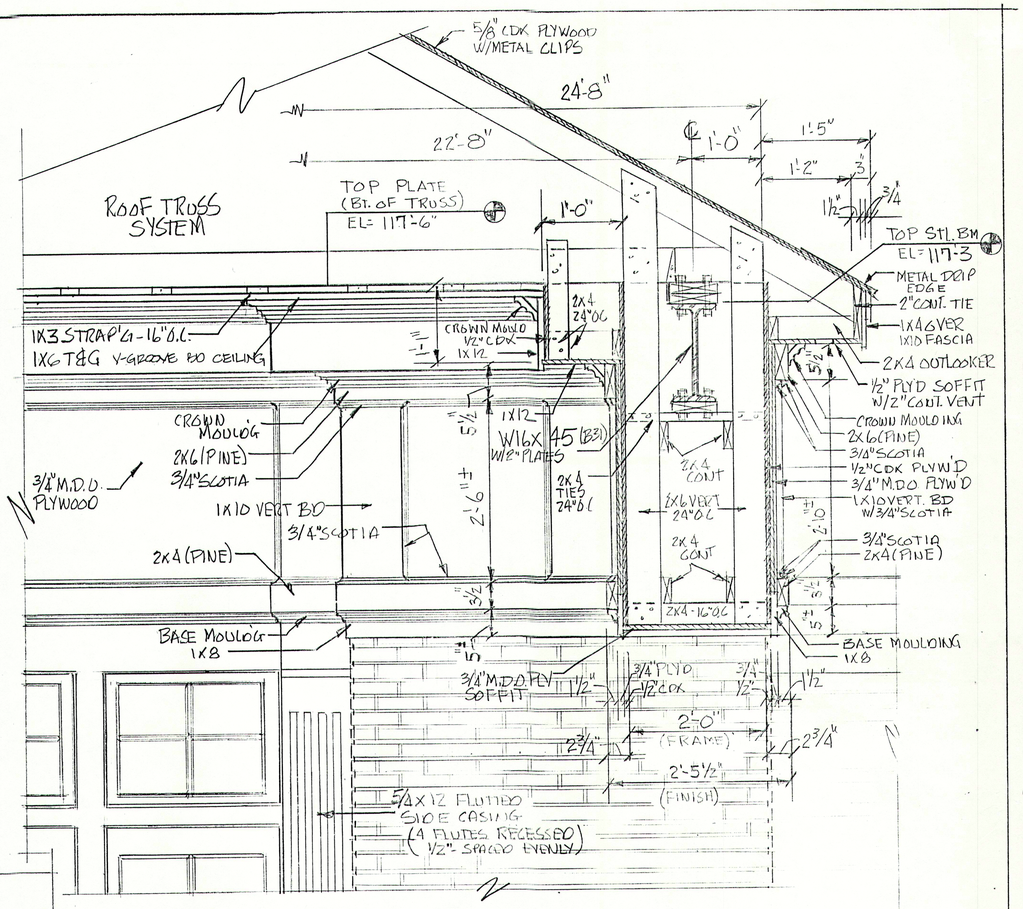


D SECTION
SCALE: ¼"=1'-0"

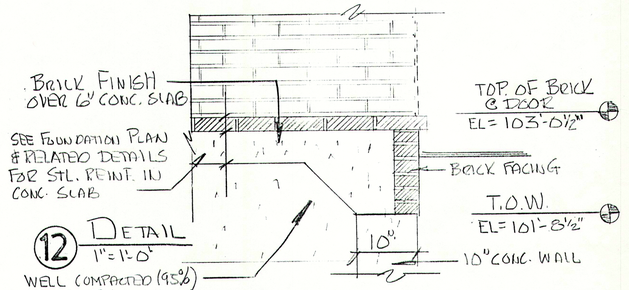


E SECTION
SCALE: ¼"=1'-0"

NOTE: SEE FOUNDATION PLAN & RELATED DETAILS FOR STL. REINF. IN CONC. FOUNDATION, FOOTINGS AND FLOOR



11 DETAIL
1"=1'-6"



12 DETAIL
1"=1'-0"

NO.	REVISIONS	OR	ISSUE	DATE
4	GENERAL REVISIONS & ISSUED FOR CONSTRUCTION			8-14-97
3	GENERAL REVISIONS - ISSUED FOR BLDG PERMIT APPLICATIONS			7-29-97
2	GENERAL REVISIONS - ISSUED TO BLDG CONTRACTORS FOR BID PROPOSALS			7-23-97
1	ISSUED FOR FOUNDATION & STEEL BIDS			7-7-97

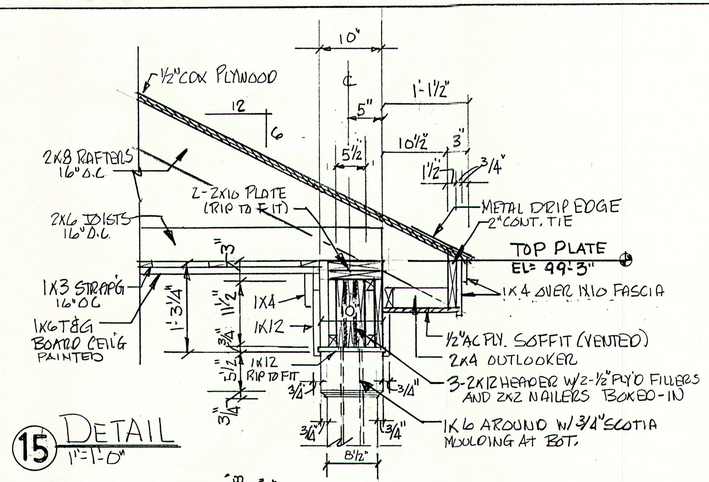
BUILDING SECTIONS & DETAILS

THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

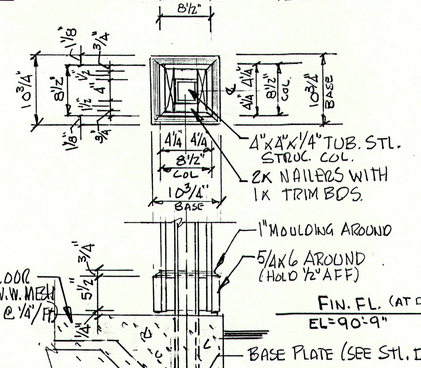
PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

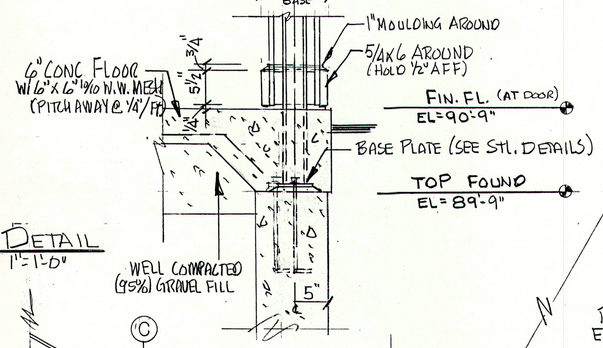
SCALE: AS NOTED
DRAWN: W.L.W.
DATE: JULY 6, 1997
JOB NO. 97-185
DRAWING NO. 14

REGISTERED ARCHITECT VERNARD E FROST No. 393 MAINE
STATE OF MAINE JOHN W. POCHEBIT 1633 REGISTERED PROFESSIONAL ENGINEER



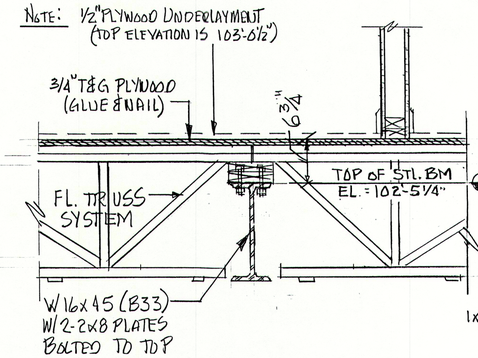
15 DETAIL
1"=1'-0"



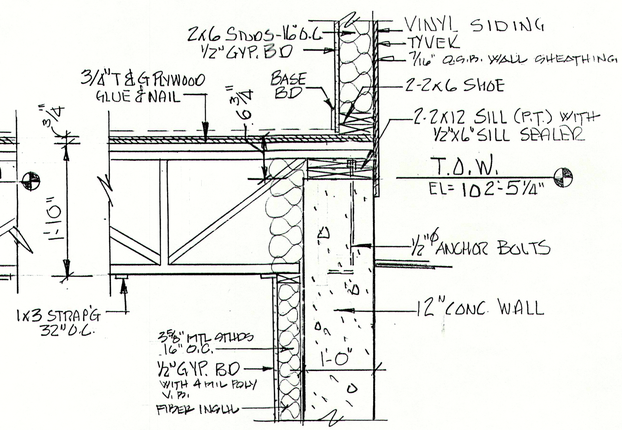


16 DETAIL
1"=1'-0"

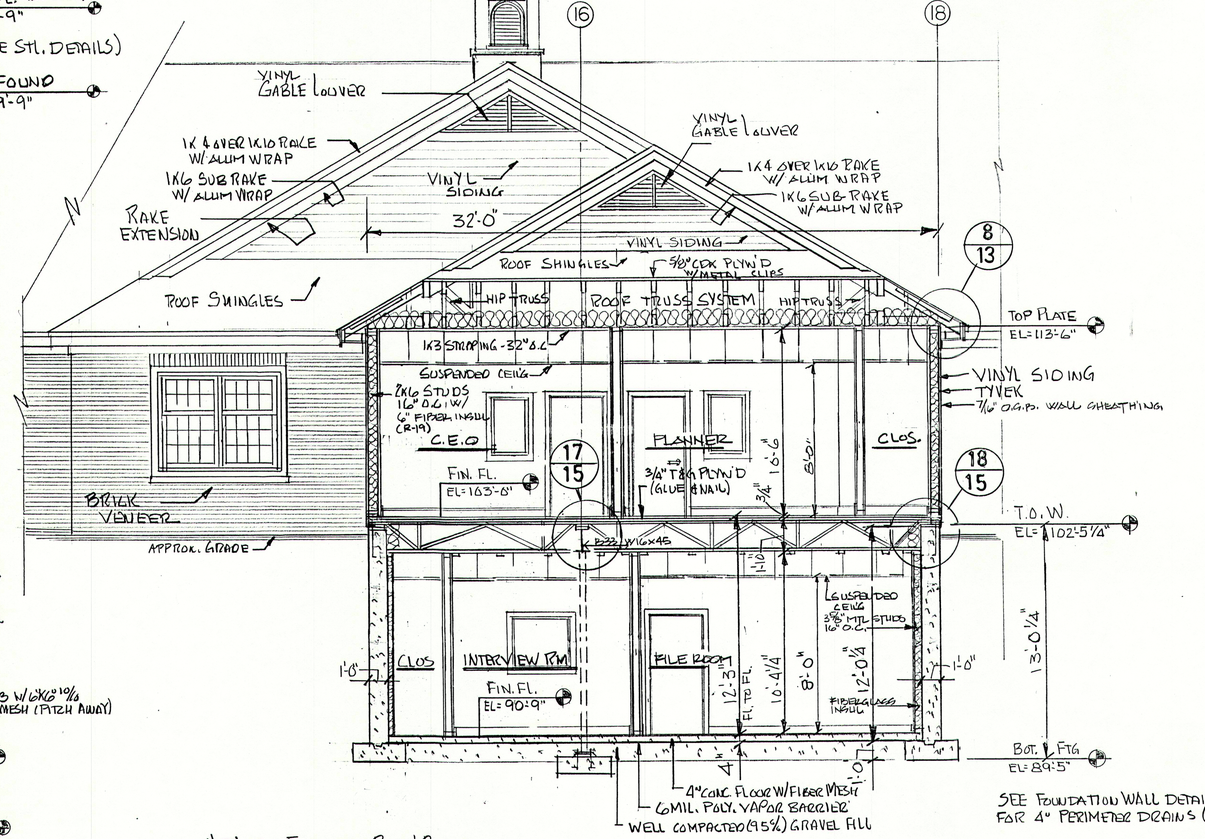
NOTE: ½"PLYWOOD UNDERLAYMENT (TOP ELEVATION IS 103'-6½")



17 DETAIL
1"=1'-0"

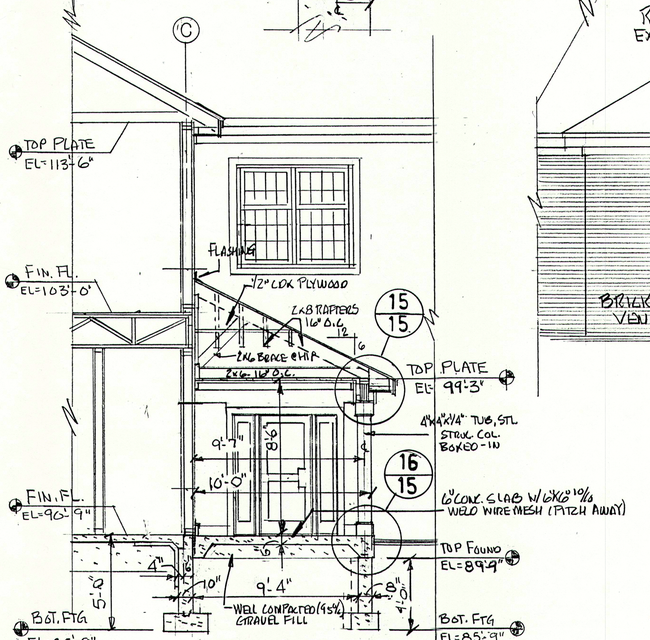


18 DETAIL
1"=1'-0"



SEE FOUNDATION WALL DETAILS FOR 4" PERIMETER DRAINS (TYP)

G SECTION
SCALE: ¼"=1'-0"



F SECTION
SCALE: ¼"=1'-0"

NOTE: SEE FOUNDATION PLAN & RELATED DETAILS FOR STL. REINF. IN CONC. WALLS, FOOTINGS AND FLOOR

NO.	REVISIONS OR ISSUE	DATE
4	GENERAL REVISIONS X ISSUED FOR CONSTRUCTION	8-14-97
3	GENERAL REVISIONS - ISSUED FOR BUILDING PERMIT APPLICATIONS	7-29-97
2	GENERAL REVISIONS - ISSUED TO SUB CONTRACTORS FOR BID PROPOSALS	7-23-97
1	ISSUED FOR FOUNDATION & STEEL BIDS	7-7-97

BUILDING SECTIONS & DETAILS

THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

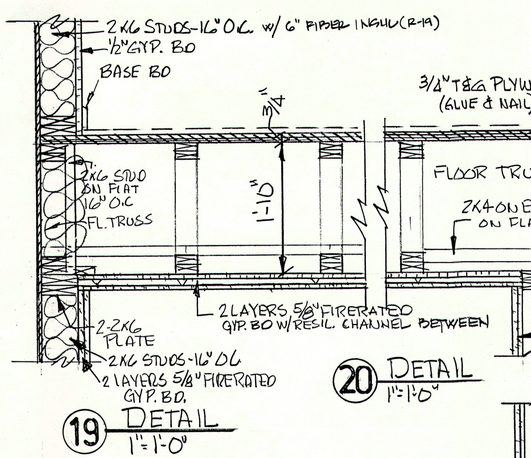
SCALE: AS NOTED
DRAWN: W.L.W.
DATE: JULY 6, 1997

JOB NO. 97-185

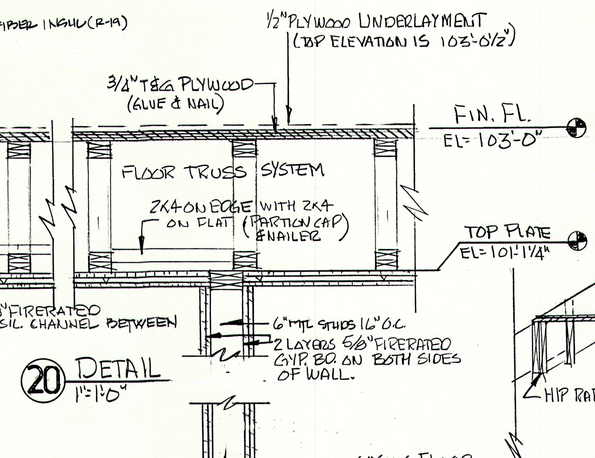
DRAWING NO. 15

REGISTERED ARCHITECT STATE OF MAINE VERNARD E. FROST No. 363

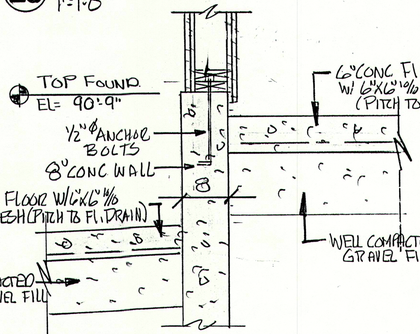
STATE OF MAINE JOHN W. POCHEBIT 1633 REGISTERED PROFESSIONAL ENGINEER



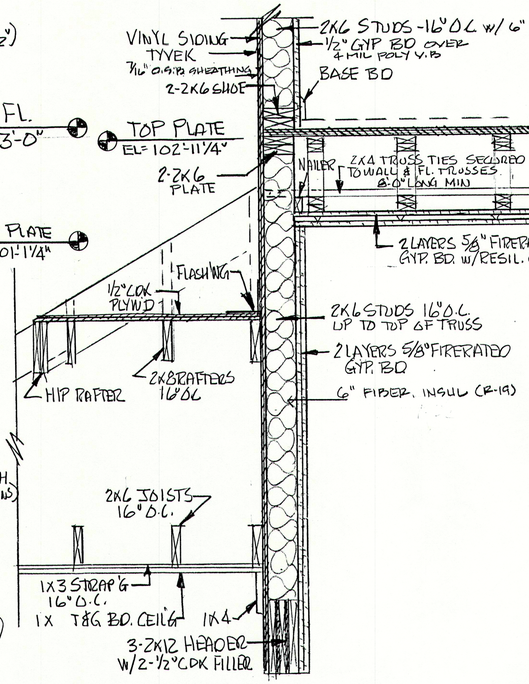
19 DETAIL
1"=1'-0"



20 DETAIL
1"=1'-0"

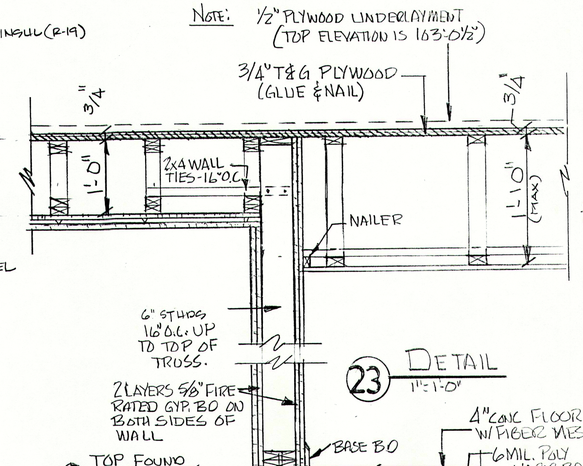


21 DETAIL
1"=1'-0"



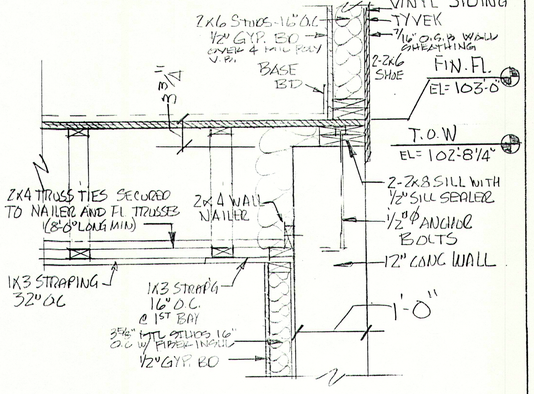
22 DETAIL
1"=1'-0"

Note: ½" PLYWOOD UNDERLAYMENT (TOP ELEVATION IS 103'-0½")

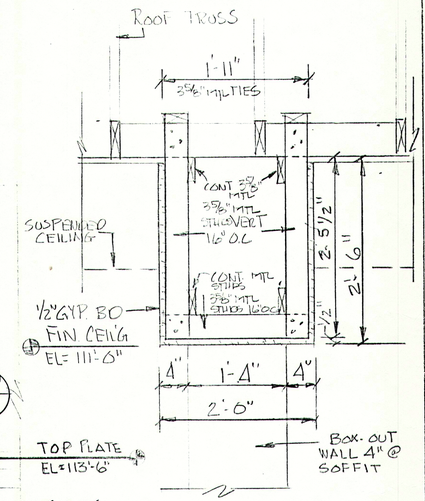


23 DETAIL
1"=1'-0"

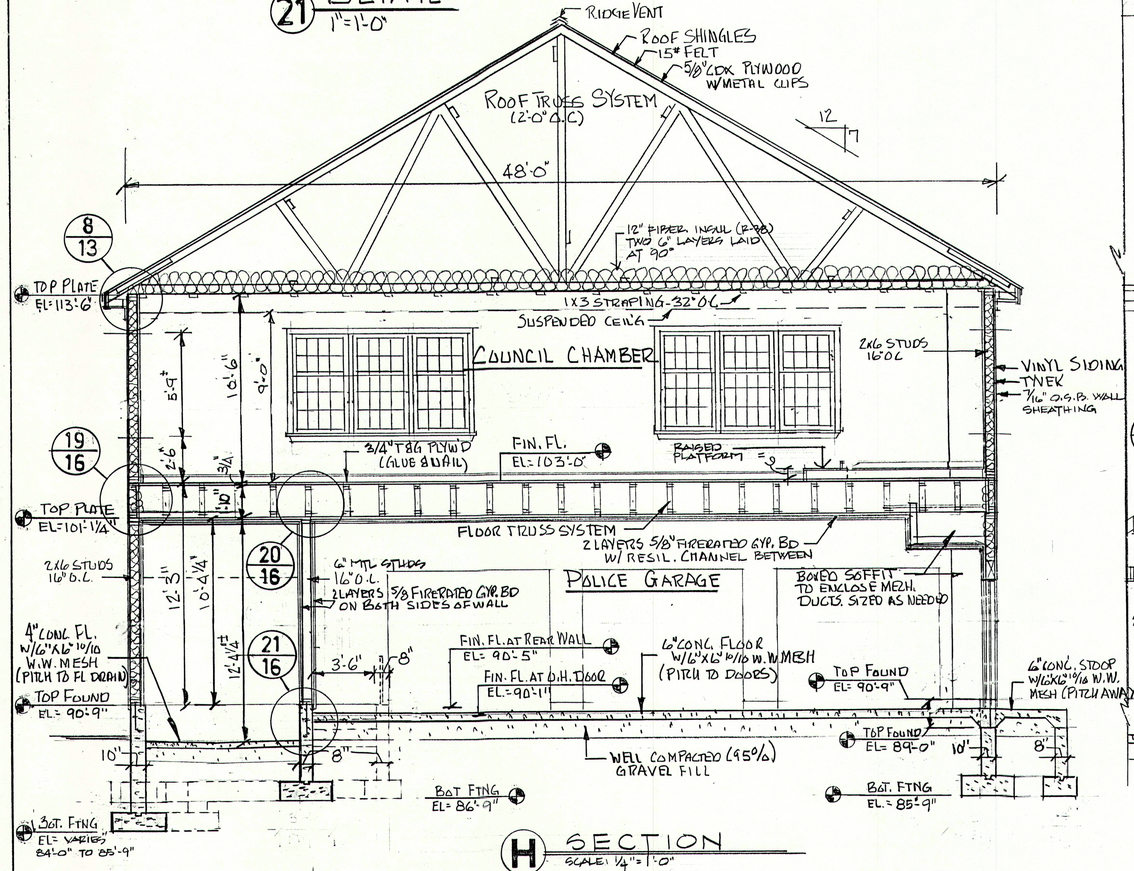
24 DETAIL
1"=1'-0"



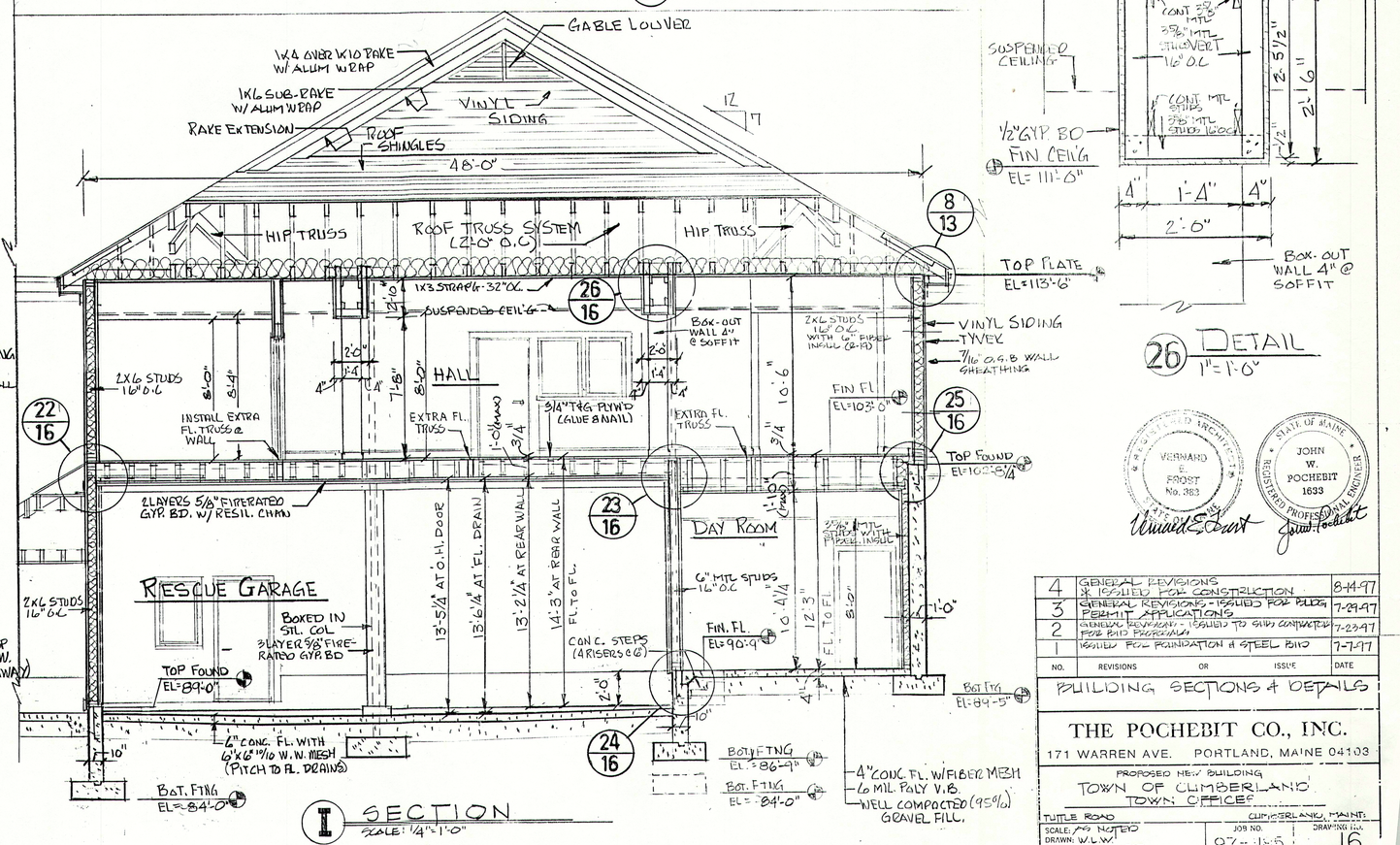
25 DETAIL
1"=1'-0"



26 DETAIL
1"=1'-0"



H SECTION
SCALE: ¼"=1'-0"



I SECTION
SCALE: ¼"=1'-0"

REGISTERED ARCHITECT — VERNARD E. FROST No. 383 — STATE OF MAINE

REGISTERED PROFESSIONAL ENGINEER — JOHN W. POCHEBIT 1633 — STATE OF MAINE

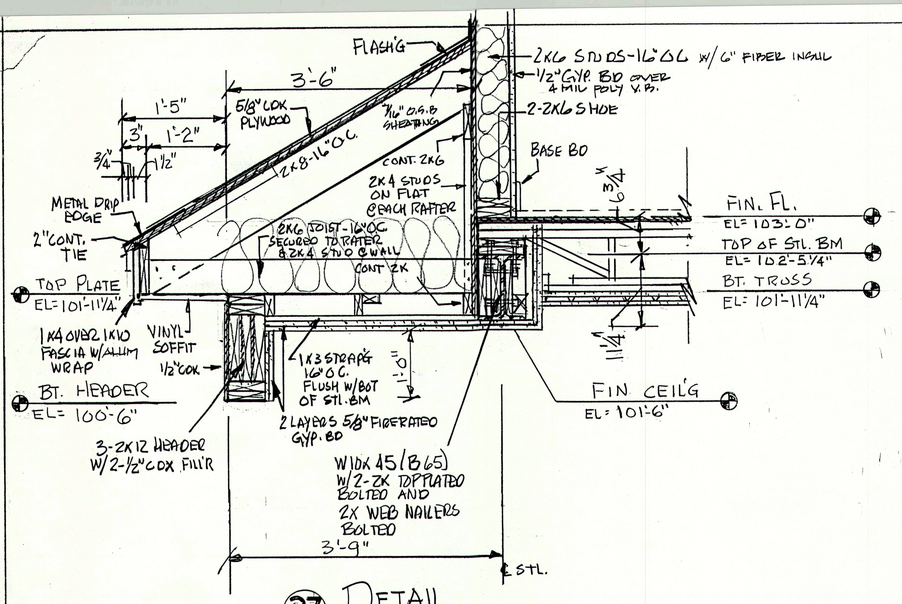
NO.	REVISIONS OR ISSUE	DATE
4	GENERAL REVISIONS & ISSUED FOR CONSTRUCTION	8-11-97
3	GENERAL REVISIONS - ISSUED FOR BLDG PERMIT APPLICATIONS	7-29-97
2	GENERAL REVISIONS - ISSUED TO SUBS CONTRACTS FOR BID PURPOSES	7-23-97
1	ISSUED FOR FOUNDATION & STEEL BID	7-7-97

BUILDING SECTIONS & DETAILS

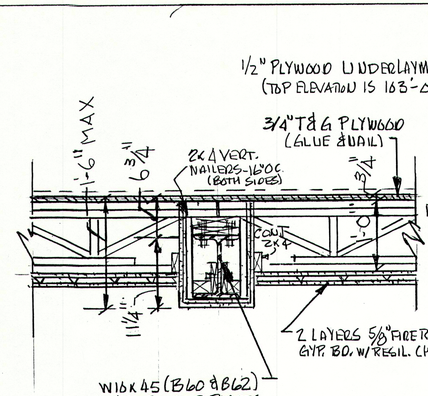
THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

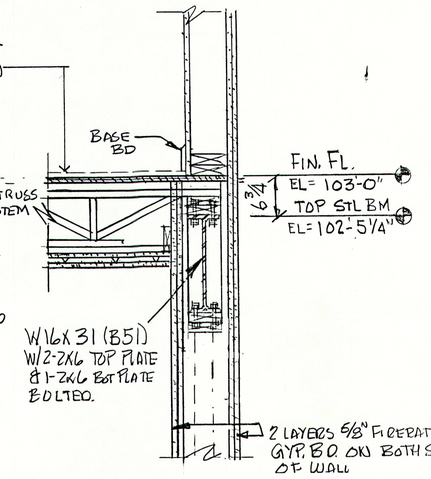
SCALE: AS NOTED	JOB NO.	DRAWING NO.
DRAWN: W.L.W.	97-165	16
DATE: JULY 6, 1997		



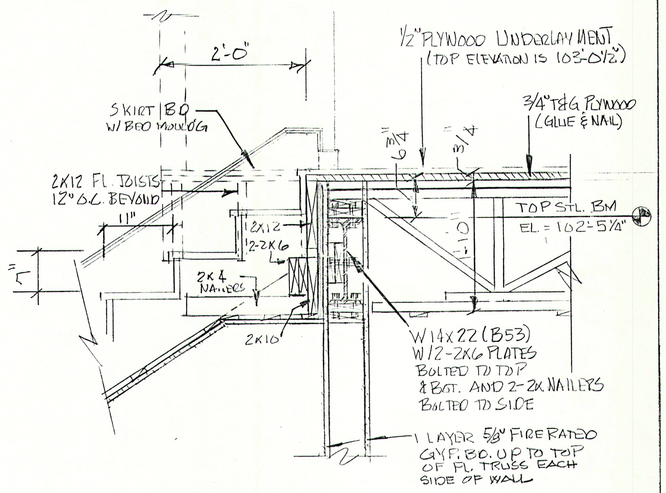
27 DETAIL
1"=1'-0"



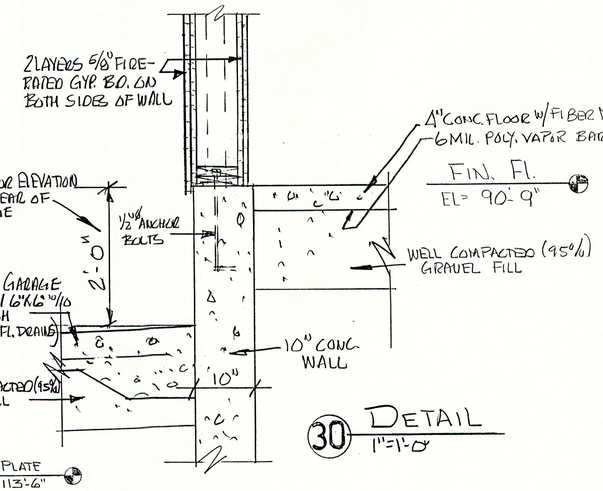
28 DETAIL
1"=1'-0"



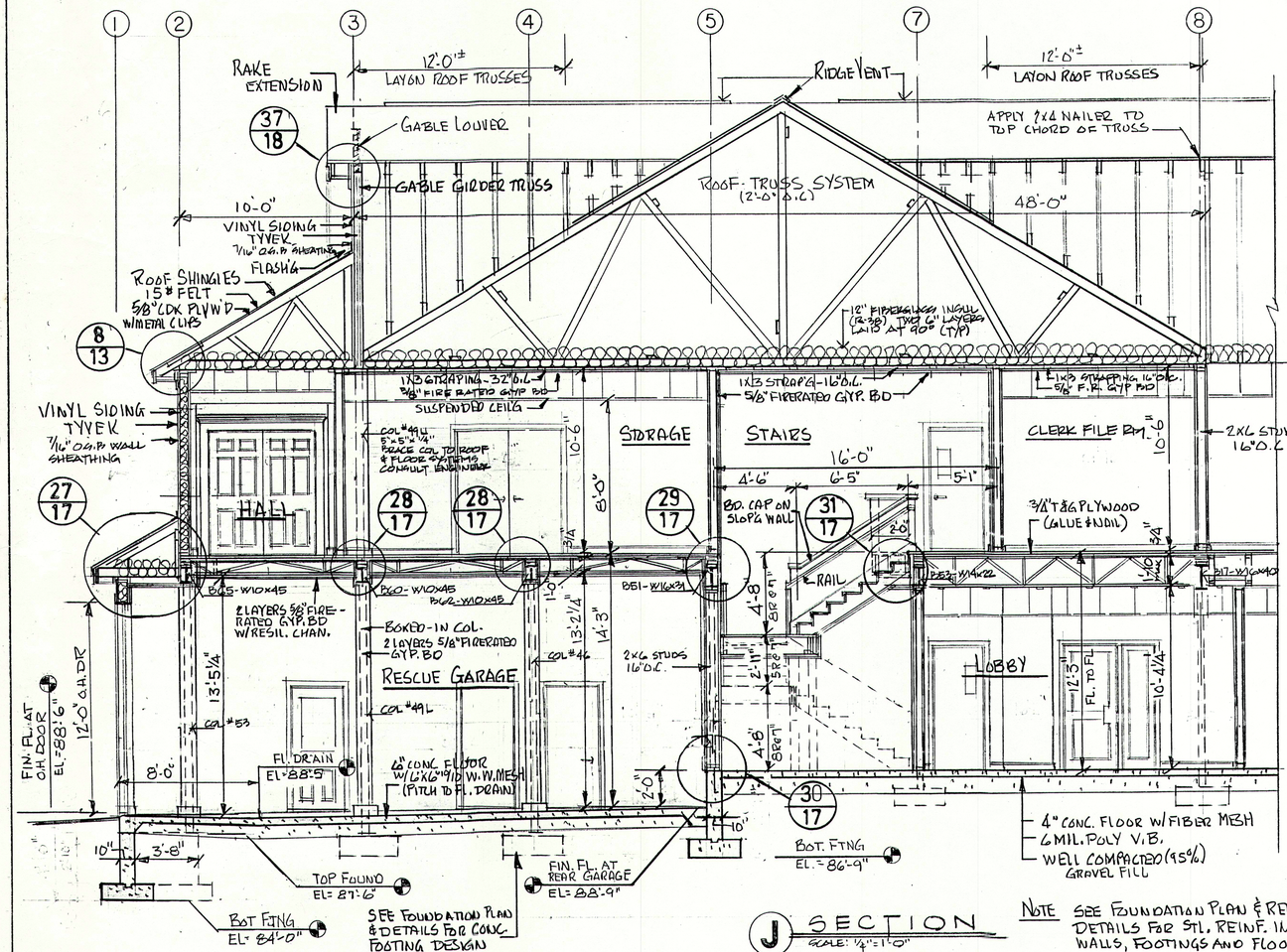
29 DETAIL
1"=1'-0"



31 DETAIL
1"=1'-0"



30 DETAIL
1"=1'-0"



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

NOTE SEE FOUNDATION PLAN & RELATED DETAILS FOR STL. REINF. IN CONC. WALLS, FOOTINGS AND FLOOR

NO.	REVISIONS OR ISSUE	DATE
4	GENERAL REVISIONS & ISSUED FOR CONSTRUCTION	8-14-97
3	GENERAL REVISIONS - ISSUED FOR BLDG PERMIT APPLICATIONS	7-29-97
2	GENERAL REVISIONS - ISSUED TO SUB CONTRACTORS FOR BID PROPOSALS	7-23-97
1	ISSUED FOR FOUNDATION & STEEL BIDS	7-7-97

BUILDING SECTION & DETAILS

REGISTERED ARCHITECTS — STATE OF MAINE — VERNARD E. FROST No. 363

REGISTERED PROFESSIONAL ENGINEER — STATE OF MAINE — JOHN W. POCHEBIT 1633

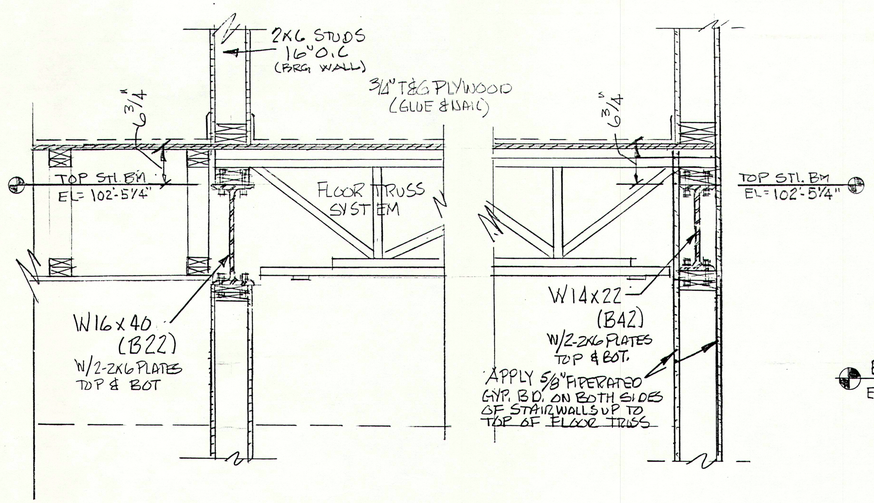
THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

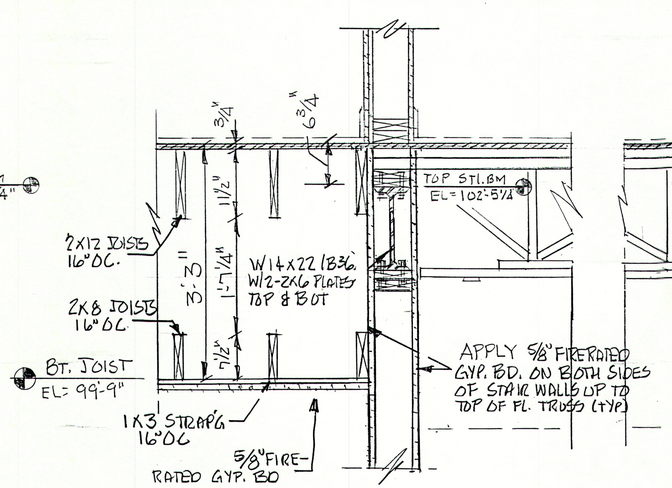
SCALE: AS NOTED
DRAWN: W.L.W
DATE: JULY 6, 1997

JOB NO. 97-185

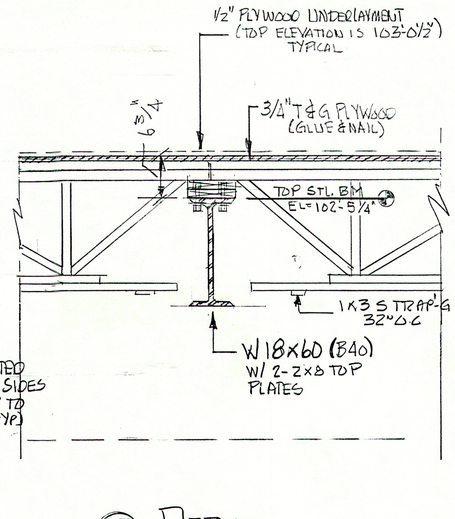
DRAWING NO. 17



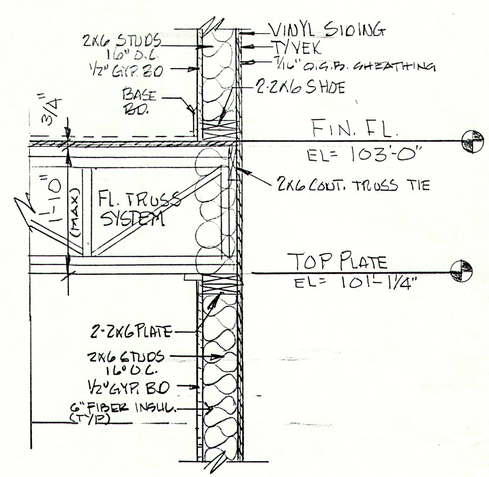
32 DETAIL
1"=1'-0"



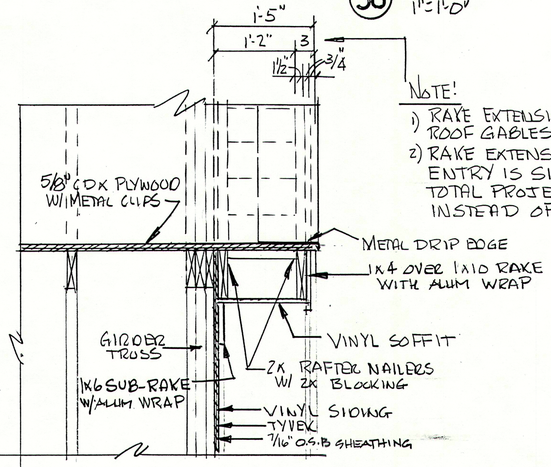
33 DETAIL
1"=1'-0"



34 DETAIL
1"=1'-0"



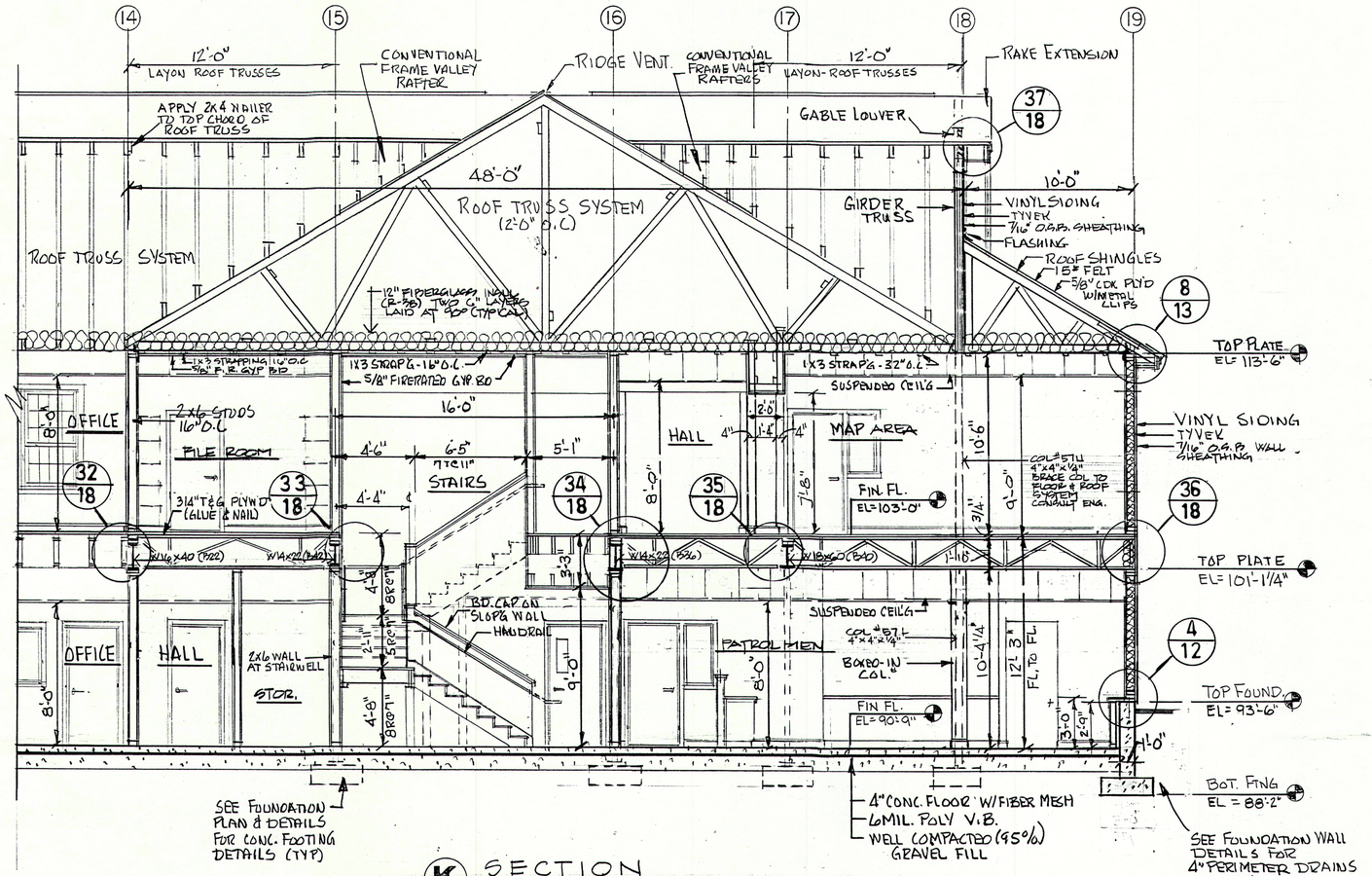
35 DETAIL
1"=1'-0"



NOTE!
1) RAKE EXTENSION ON ALL MAIN ROOF GABLES IS AS SHOWN.
2) RAKE EXTENSION AT FRONT ENTRY IS SIMILAR EXCEPT TOTAL PROJECTION IS 2'-0" INSTEAD OF 1'-5".

36 DETAIL
1"=1'-0"

37 DETAIL
1"=1'-0"



K SECTION
SCALE: ¼"=1'-0"

NOTE: SEE FOUNDATION PLAN & RELATED DETAILS FOR STL. REINF. IN CONC. WALLS, FOOTINGS AND FLOOR

NO.	REVISIONS OR ISSUE	DATE
4	ISSUED FOR CONSTRUCTION	8-14-97
3	GENERAL REVISIONS - ISSUED FOR BLDG PERMIT APPLICATIONS	7-29-97
2	GENERAL REVISIONS - ISSUED TO SUB CONTRACTORS FOR BID PROPOSALS	7-23-97
1	ISSUED FOR FOUNDATION & STEEL BIDS	7-7-97

BUILDING SECTION & DETAILS

THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

PROPOSED NEW BUILDING
TOWN OF CUMBERLAND
TOWN OFFICES
TUTTLE ROAD CUMBERLAND, MAINE

SCALE: AS NOTED
DRAWN: W.L.W.
DATE: JULY 6, 1997
JOB NO. 97-185
DRAWING NO. 18

REGISTERED ARCHITECT — VERNARD E. FROST No. 363 — STATE OF MAINE

STATE OF MAINE — JOHN W. POCHEBIT 1633 — REGISTERED PROFESSIONAL ENGINEER

VAV ZONE DAMPERS

SYMBOL	SIZE	CFM	P.D.	MAX. VEL.	REMARKS
VAV-1	14"ϕ	1290	<0.02	1200	
VAV-2	12"ϕ	730	<0.02	940	
VAV-3	14"ϕ	1210	<0.02	1130	
VAV-4	12"ϕ	935	<0.02	1180	
VAV-5	8"ϕ	350	<0.02	1010	
VAV-6	10"ϕ	485	<0.02	900	
VAV-7	10"ϕ	540	<0.02	1000	
VAV-8	12"ϕ	795	<0.02	1000	
VAV-9	12"ϕ	705	<0.02	900	
VAV-10	12"ϕ	730	<0.02	910	
VAV-11	8"ϕ	270	<0.02	780	
VAV-12	6"ϕ	230	<0.02	1190	
VAV-13	10"ϕ	490	<0.02	1010	
VAV-14	8"ϕ	305	<0.02	900	
VAV-15	12"ϕ	935	<0.02	1180	
VAV-16	8"ϕ	360	<0.02	1040	
VAV-17	12"ϕ	975	<0.02	1230	
VAV-18	12"ϕ	900	<0.02	1140	
VAV-19	10"ϕ	550	<0.02	1010	
VAV-20	8"ϕ	370	<0.02	1050	
VAV-21	14"ϕ	1330	<0.02	1250	
VAV-22	12"ϕ	980	<0.02	1260	
VAV-23	10"ϕ	485	<0.02	900	
BF-1	(1) 16"ϕ	3000	<0.06	1900	
BF-2	(1) 16"ϕ	3000	<0.06	1900	
BF-3	(2) 14"ϕ	3000	<0.06	1700	

FAN SCHEDULE

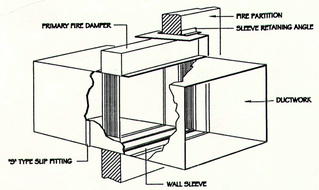
SYMBOL	MFG.	MOD. NO.	CFM	S.P.	HP/W	RPM	ELEC.	REMARKS
EF-1	PENN	P151T	1300	1/4"	1/4	1000	120V-1PH.	① ② ⑤ ⑥
EF-2	PENN	P151T	2000	1/4"	1/4	1100	120V-1PH.	① ② ⑤ ⑥
EF-3,4&5	PENN	Z-10	365	1/4"	130	1050	120V-1PH.	① ② ⑤
EF-6,7,8,10,11,12 13,14,15,16&17	PENN	Z-8	100	1/4"	105	1050	120V-1PH.	① ② ⑤
EF-9	KANAFLAKT	K-6	100	1/4"	1/20	2150	120V-1PH.	① ② ⑤

① DIRECT DRIVE
② BACKDRAFT DAMPER
④ V-BELT
③ PRE-FAB CURB
⑤ 3SPEED CONTROL
⑥ WALL SLEEVE , GUARD & DISCHARGE LOUVER 24x24

NOTE : PROVIDE EF-3 WITH THERMOSTAT CONTROL.

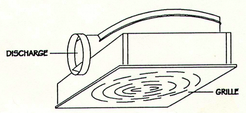
DIFFUSERS-GRILLES-REGISTERS

SYMBOL	MFGR & MODEL#	SIZE	NC	PD	THROW	CONN.	REMARKS
A	ANEMOSTAT #EPL	6" DIA.	20	0.03	2-6	6" DIA.	ED GRID
B	ANEMOSTAT #EPL	8" DIA.	<20	0.01	3-8	8" DIA.	ED GRID
C	ANEMOSTAT #EPL	10" DIA.	<29	0.05	5-14	10" DIA.	ED GRID
D	ANEMOSTAT #EPL	12" DIA.	<29	0.03	7-17	12" DIA.	ED GRID
E	ANEMOSTAT #53HD	12"X 12"	<25	0.04	——	10" DIA.	
F	ANEMOSTAT #GCSL	12"X 24"	<25	0.04	——	14" DIA.	
G	ANEMOSTAT #GCSL	24"X 24"	<30	0.03	——	16" DIA.	
H	ANEMOSTAT #52VD	12"X 4"	<20	0.02	9-15	6" DIA.	
J	ANEMOSTAT #52VD	14"X 6"	<20	0.03	11-18	8" DIA.	
K	ANEMOSTAT #52VD	16"X 8"	<20	0.02	13-20	10" DIA.	
L	ANEMOSTAT #52VD	24"X 8"	<20	0.02	18-28	10" DIA.	
S	ANEMOSTAT #SGAL1	12"X 6"	<20	0.02	10-14	6" DIA.	VD

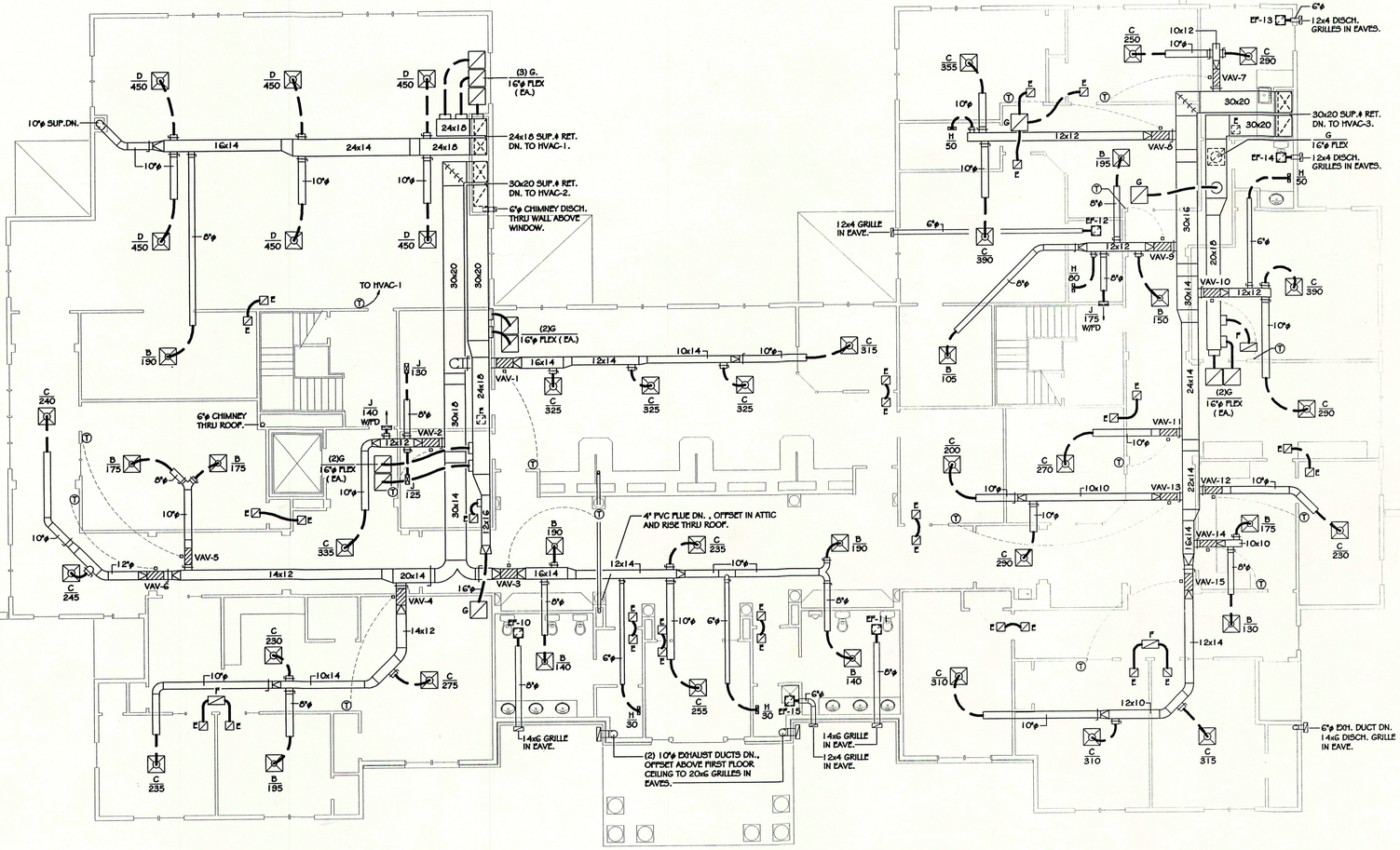


PRIMARY FIRE DAMPER DETAIL

TYPE "B" 100% FREE AREA



CEILING FAN



FIRST FLOOR PLAN / MECHANICAL

CONSTRUCTION SET
7-14-97

STATE OF MAINE ☆ MICHAEL PETER JOHNSON NO. 4538 ☆ REGISTERED PROFESSIONAL ENGINEER

JOHNSON & JORDAN
MECHANICAL CONTRACTORS
P.O.BOX 1585
SCARBOROUGH, ME. 04070-1585
TEL. (207) 883-8345 * FAX (207) 883-8619

REVISIONS: 7-14-97 : DUCTWORK @ STAIRWELLS

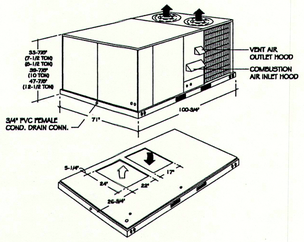
DRAWINGS THIS SHEET: FIRST FLOOR PLAN / MECH. ; SCHEDULES ; DETAILS

DRAWN:	CHECKED:
JWB	MPJ
SCALE: 1/8"=1'-0"	
DATE: 6-30-97	
PROJECT # 97105	

PROJECT: TOWN OF CUMBERLAND TOWN OFFICES

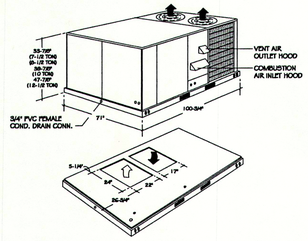
SHEET # M-2 OF 4

PRODUCT DATA	
MODEL NO. DCG102N20025	
COOLING PERFORMANCE	
TOTAL CAPACITY	106 MBH
SENSIBLE CAPACITY	76 MBH
OUTDOOR DESIGN TEMP.	95/72 DEG.F DBWB
TOTAL SUPPLY AIR	3200 CFM
TEMP. OF AIR ENTERING EVAPORATOR COIL	80/67 DEG.F DBWB
POWER INPUT REQUIREMENT (LESS BLOWER MOTOR)	—— KW
HEATING PERFORMANCE	
GAS-FIRED HEAT EXCHANGER INPUT CAPACITY	245 MBH
SUPPLY AIR BLOWER PERFORMANCE	
TOTAL SUPPLY AIR	3200 CFM
TOTAL RESISTANCE EXTERNAL TO UNIT	1.0 IWG
BLOWER SPEED	1220 RPM
POWER OUTPUT REQUIREMENT	—— BHP
MOTOR RATING	3 HP
POWER INPUT REQUIREMENT	—— KW
ELECTRICAL DATA	
POWER SUPPLY	208/3/60
TOTAL UNIT AMPACITY	51.3 AMPS
MINIMUM WIRE SIZE	—— AWG
MAXIMUM OVERCURRENT DEVICE ☐ FUSES ☐ HACR BREAKER	60 AMPS
TOTAL UNIT WEIGHT	
INCLUDING FACTORY-INSTALLED OPTIONS	1125 LBS.

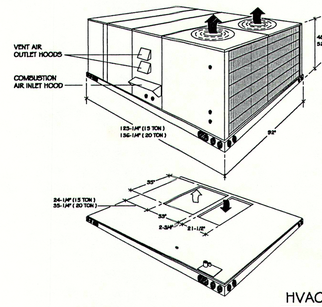


HVAC-1

PRODUCT DATA	
MODEL NO. DCG150N20025	
COOLING PERFORMANCE	
TOTAL CAPACITY	156 MBH
SENSIBLE CAPACITY	116 MBH
OUTDOOR DESIGN TEMP.	95/72 DEG.F DBWB
TOTAL SUPPLY AIR	5000 CFM
TEMP. OF AIR ENTERING EVAPORATOR COIL	80/67 DEG.F DBWB
POWER INPUT REQUIREMENT (LESS BLOWER MOTOR)	—— KW
HEATING PERFORMANCE	
GAS-FIRED HEAT EXCHANGER INPUT CAPACITY	245 MBH
SUPPLY AIR BLOWER PERFORMANCE	
TOTAL SUPPLY AIR	5000 CFM
TOTAL RESISTANCE EXTERNAL TO UNIT	1.3 IWG
BLOWER SPEED	1140 RPM
POWER OUTPUT REQUIREMENT	—— BHP
MOTOR RATING	5 HP
POWER INPUT REQUIREMENT	—— KW
ELECTRICAL DATA	
POWER SUPPLY	208/3/60
TOTAL UNIT AMPACITY	71.1 AMPS
MINIMUM WIRE SIZE	—— AWG
MAXIMUM OVERCURRENT DEVICE ☐ FUSES ☐ HACR BREAKER	90 AMPS
TOTAL UNIT WEIGHT	
INCLUDING FACTORY-INSTALLED OPTIONS	1470 LBS.



HVAC-2&3



HVAC-4

PRODUCT DATA	
MODEL NO. DCG180N32025	
COOLING PERFORMANCE	
TOTAL CAPACITY	184.0 MBH
SENSIBLE CAPACITY	141.0 MBH
OUTDOOR DESIGN TEMP.	95/72 DEG.F DBWB
TOTAL SUPPLY AIR	6000 CFM
TEMP. OF AIR ENTERING EVAPORATOR COIL	80/67 DEG.F DBWB
POWER INPUT REQUIREMENT (LESS BLOWER MOTOR)	—— KW
HEATING PERFORMANCE	
GAS-FIRED HEAT EXCHANGER INPUT CAPACITY	400 MBH
SUPPLY AIR BLOWER PERFORMANCE	
TOTAL SUPPLY AIR	6000 CFM
TOTAL RESISTANCE EXTERNAL TO UNIT	1.6 IWG
BLOWER SPEED	1170 RPM
POWER OUTPUT REQUIREMENT	—— BHP
MOTOR RATING	7.5 HP
POWER INPUT REQUIREMENT	—— KW
ELECTRICAL DATA	
POWER SUPPLY	208/3/60
TOTAL UNIT AMPACITY	84.9 AMPS
MINIMUM WIRE SIZE	—— AWG
MAXIMUM OVERCURRENT DEVICE ☐ FUSES ☐ HACR BREAKER	100 AMPS
TOTAL UNIT WEIGHT	
INCLUDING FACTORY-INSTALLED OPTIONS	2140 LBS.

HVAC-5

THRU WALL UNIT
GE #AJJ10DF , 208V-1PH-60HZ ,
5.3 AMPS , 9.5 MBH COOLING ,
11.3 MBH HEATING ,
26" W. x 15-5/8" H. x 16-7/8" D.
WITH WALL CASE & GRILLE.

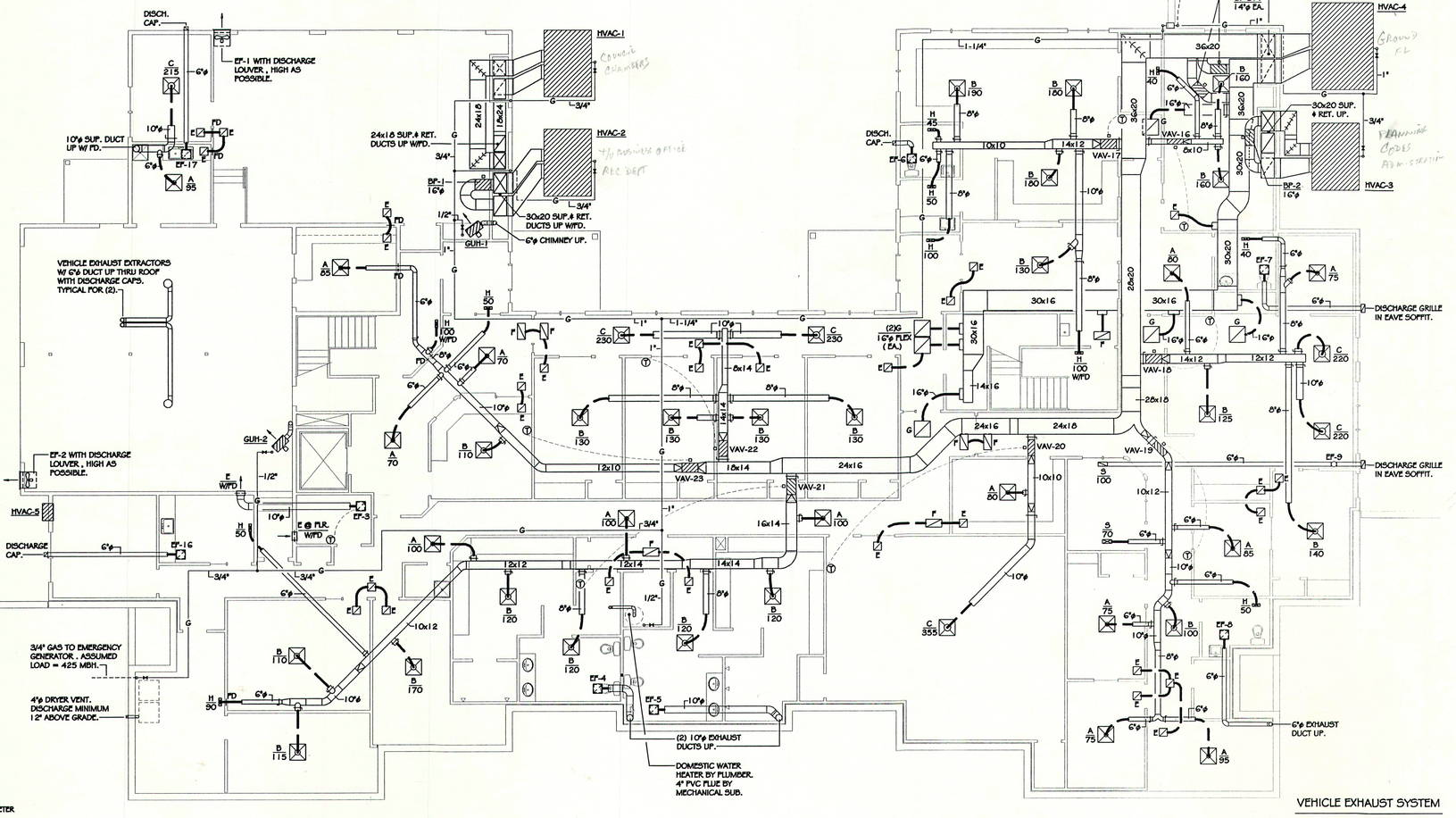
NOTE :

1) PROVIDE SMOKE DETECTORS IN RETURN AIR OF HVAC UNITS #1 , 2 , 3 & 4.
2) PROVIDE CONTROL IN HVAC UNITS #1 , 2 , 3 & 4 TO LOCK OUT COOLING ON EMERGENCY POWER.

HEATING SYMBOLS LEGEND

- HOT WATER HEATING SUPPLY MAIN
- HOT WATER HEATING RETURN MAIN
- STEAM MAIN
- CONDENSATE RETURN
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- GATE VALVE
- CHECK VALVE
- BALANCING COCK
- MOTORIZED CONTROL VALVE
- GLOBE VALVE
- 0.5 # Y VALVE
- RELIEF VALVE
- T — THERMOSTAT
- T — THERMOSTAT W/ GAURD
- THERMOMETER
- PRESSURE GAUGE
- A — AIR PIPING
- G — GAS PIPING
- BALANCING DAMPER IN DUCT
- FIRE DAMPER IN DUCT
- BUTTERFLY VALVE
- ECCENTRIC REDUCER
- A — AIR VENT
- PUMPED CONDENSATE RETURN

DOMESTIC HOT WATER PIPING SCHEMATIC
N.T.S.



GROUND LEVEL FLOOR PLAN / MECHANICAL

CONSTRUCTION SET
7-14-97

VEHICLE EXHAUST SYSTEM

NEDERMAN SIMPLE EXHAUST EXTRACTORS (2 EACH) . SIMPLE SYSTEM WITH AUTODISCONNECT FOR COMMERCIAL VEHICLES PLUS 2 EACH , 1 HP , 208 VOLT , 3 PHASE , 60 HZ EXHAUST FANS , BRACKET EXTENSION ELECTRICAL CONTROLS & INSTALLATION TO MAKE A COMPLETE WORKING INSTALLATION.

GAS UNIT HEATERS #GUH-1 & 2

MODINE #PV125AE30 , LP GAS FIRED UNIT HEATER , SPARK IGNITION , POWER VENTED , 1/20 HP , 120V-1PH-60HZ , 125 MBH INPUT , 100 MBH OUTPUT , 1850 CFM , 140 LBS. , 6"ϕ CHIMNEY.

STATE OF MAINE ☆ PROFESSIONAL ENGINEER ☆ MICHAEL PETER JOHNSON NO. 4528

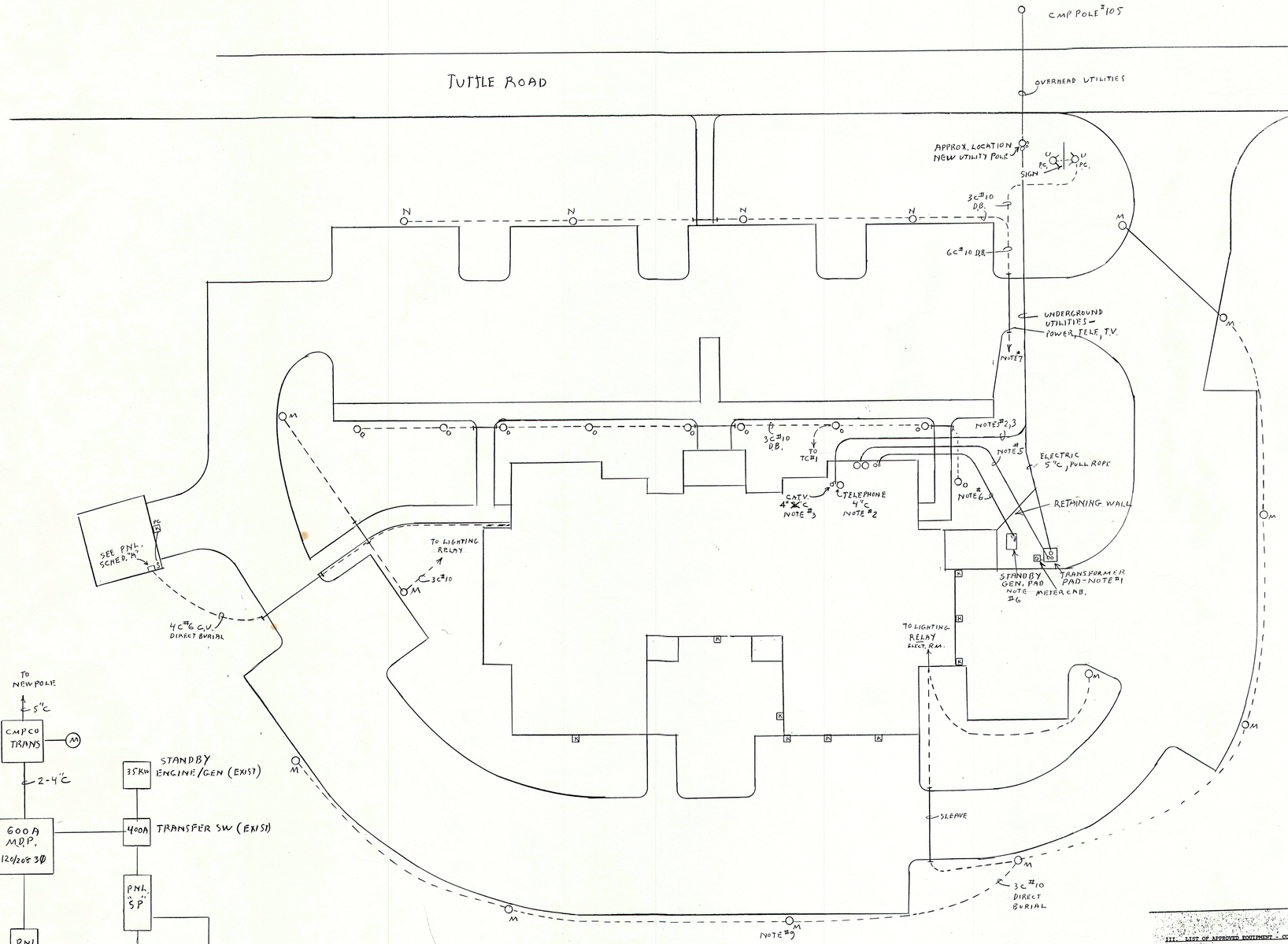
JOHNSON & JORDAN
MECHANICAL CONTRACTORS
P.O.BOX 1585
SCARBOROUGH , ME. 04070-1585
TEL. (207) 883-8345 * FAX (207) 883-8619

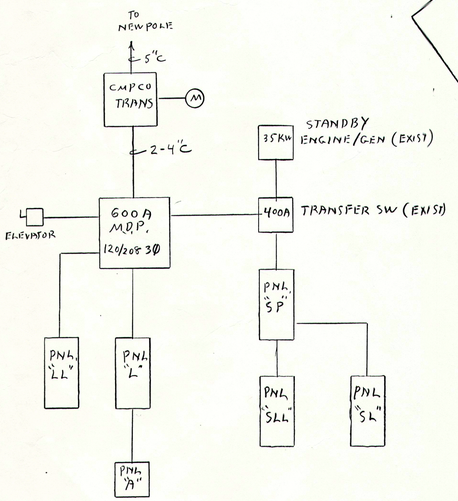
REVISIONS:
MECHANICAL 7-14-97 : FLOOR PLAN CHANGES.

DRAWN: JWB | CHECKED: MPJ | DRAWINGS THIS SHEET: GROUND FLOOR / MECHANICAL
SCALE: 1/8"= 1'-0" | HVAC UNIT DATA
DATE: 6-30-97 | SCHEMATIC / LEGEND
PROJECT # 97105

PROJECT: TOWN OF CUMBERLAND TOWN OFFICES

SHEET # M-1 OF 4





ONE LINE - POWER
N.T.S.

NOTES:

1 (a) One five inch (5") conduit from the new utility pole to the transformer pad. Install "pull rope" for power Company use.

(b) Supply and install one 7'x 7' transformer pad per C.M.P. Co specifications. See details on plan E-5. (BY OWNER/OTHERS)

(c) Supply and install a 15" by 34" meter enclosure mounted on a pedestal beside transformer. Install a 1 1/4" conduit between the transformer and meter enclosure with "pull rope". Final location will be determined by C.M.P. Co. See details on plan E-5. C.M.P. contact is Jeffrey L. Hanscom at 828-2886. Call C.M.P. Co. prior to installation.

2. The Telephone Company, (NYNEX) requires a four inch (4") conduit from the utility pole to the building utility room as noted. "Long" sweeps in the conduit are required. Install "pull rope". NYNEX contact is Kathy Matherson, 797-1457. Call NYNEX prior to installation.

3. The C.A.T.V. Co. (Time Warner) requires a 4" X conduit from the pole to the building utility room as noted. "Long" sweeps are required. Install pull rope. Time Warner number is 775-3431. Call C.A.T.V. Co. prior to installation.

4. The utility service conduits shall be brought up the utility pole as directed by their representatives. Conduit depths and separation shall be as required by these utilities. Also see Sections #912, 913, and 914 of the Central Me. Power Contractors Handbook.

5. The secondary service shall be two 4" conduits with four 500 MCM C.U. XHHW-2 conductors in each from the transformer to the Main Distribution Panel.

6. The existing standby generator and transfer switch will be disconnected and moved by the electrical contractor. The engine/generator will be secured on a new concrete pad located as indicated. Two conduits will be installed underground to the new transfer switch location. One 2" conduit with four (4) #3/0 THWN-2 and one (1) #6 CU THWN-2 conductors. The second conduit will be one 3/4" conduit with six # 12 C.U. THWN-2 conductors.

7. The two (2) sign fixtures will be photo controlled and connected to circuits #19, 21 of panel L. The four light standards will be connected to Time Clock #1' (Paragon #EC 71ST) which is connected to circuits # 20, 22 of panel L.

8. The lighting relay shall be a Square "D" model #SMOIV02 in a NEMA #1 enclosure. The exterior wall mounted Photo control shall be an Intermatic #K412C or equal.

9. The light standard concrete supports shall be 18" Dia. x 36" for 8' poles and supplied and 24" Dia. x 48" fkor 18' poles, supplied and installed ;by the ~~electrical contractor~~. OWNER OR OTHERS

10. ALL MAIN SERVICE CONDUITS (CMP, NYNEX, CA.TV) SHALL RUN CONTINUOUS FROM NEW UTILITY POLE TO BUILDING, TRANSFORMER PAD OR PEDESTAL

XII. ILLUSTRATION NO. 20

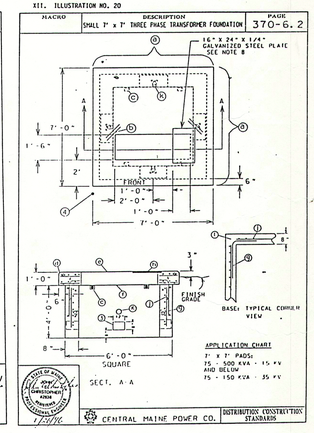
PAGE	DESCRIPTION	MACRO
370-6.1	SMALL 1Ø x 3Ø THREE PHASE TRANSFORMER FOUNDATION	

NOTES:
1. FRONT denotes the side on which the access doors are located. The foundation must be located so that the FRONT is accessible by truck and suitably protected from plow and traffic damage.
2. The concrete base shall be set on a suitable gravel base. Provide adequate drainage away from the base. Finish grade shall be graded away from the foundation.
3. Provide 8" x 12" cable holes (band outs) 8" up the wall from the base. Locate cable holes as required by cable company. Line up cable holes with trench.
4. CMPCo. to furnish a 3/4" x 8' galvanized ground rod to be installed six inches in front of the left FRONT corner of the foundation. The top of the ground rod is to be 6 inches below finish grade.
5. Concrete compressive strength shall be 4000 PSI @ 28 days. For cast-in-place early high strength may be used with a minimum of seven day cure time.
6. Reinforcing steel to have: FY = 60 KSI.
7. For precast units: the precast supplier shall provide lifting lugs in the slab (foundation) and base; the precast supplier shall assemble the slab to the base prior to shipping to the site to ensure that the slab and base fit properly with no cracking at the slab evidents.
8. The foundation supplier to supply a 16" x 24" x 1/4" galvanized steel plate to cover a portion of the cable hole when the transformer does not completely cover it. The customer may be required to cut the steel plate.
   a. 7-#5 Rebar evenly spaced each way top to bottom.
   b. 2-#4 Corner diagonal rebar 2'-0" long top and bottom.
   c. 4" x 4" x 1/2" angle 6" long with 2-3/4" diameter expansion anchors typical - 4 places (two piece precast only).
   d. Chamfer typical
   e. 2" Concrete cover over top rebar.
   f. 3" Concrete cover over bottom rebar.
   g. #5 L-Bar @ 12" (cast-in-place only)
   h. 16" x 24" x 1/4" galvanized steel plate.
   i. 6" x 6 Volt @ center of cover.
   j. #5 Rebar on 12" centers.
   k. Pulling eye insert, for use with 3/4" national course thread eye-bolt, (Richmond LCB-1 or equivalent). Located opposite each cable hole and 2" (two feet) from the bottom.
   l. All rebar ends to be covered by 1" of concrete, minimum.

DISTRIBUTION CONSTRUCTION STANDARDS | CENTRAL MAINE POWER CO. | 4/1/96

XII. ILLUSTRATION NO. 20

MACRO	DESCRIPTION	PAGE
	SMALL 1Ø x 3Ø THREE PHASE TRANSFORMER FOUNDATION	370-6.2



DISTRIBUTION CONSTRUCTION STANDARDS | CENTRAL MAINE POWER CO. | 1/15/96

III. LIST OF APPROVED EQUIPMENT - COMMERCIAL Page 20

TRANSFORMER-RATED OVERALL OUTDOOR METER CABINET WITH DEMAND RESET COVERS

- All units must have top hinge and support arms -

Manufacturer	No. of Pos.	Dimensions	Catalog No.
Anchor	1	34"Hx15"Wx13"D	NE-3415D-HP
	2	34"Hx28"Wx13"D	NE-3428D-HP
Milbank	1	34"Hx15"Wx14"D	S2718FB-DRC-XL
	2	34"Hx28"Wx11"D	S3390FB-DRC-XL
Superior	1	34"Hx15"Wx11"D	13642A-6864
	2	34"Hx28"Wx11"D	13643A-6864

STATE OF MAINE * SPENCER B. FITTS 1996 REGISTERED PROFESSIONAL ENGINEER

Spencer B. Fitts P.E. 7/11/97

NO.	REVISIONS OR ISSUE	DATE
2	GENERAL REVISIONS PER ADDENDUM NO. 1 * ISSUED FOR CONSTRUCTION	8-18-97
1	ISSUED TO SUBCONTRACTORS FOR BID PROPOSALS	7-23-97

LIGHTING AND UTILITY - EXTERIOR

THE POCHEBIT CO., INC.

171 WARREN AVE. PORTLAND, MAINE 04103

TOWN OF CUMBERLAND TOWN OFFICES

SCALE: 20'=1"	JOB NO. 97-185	DRAWING NO. E-5
DRAWN: SBF		
DATE: 7/11/97		

597871 PROFESSIONAL GRAPHICS DPD-4D

SECTION 16100 ELECTRICAL SPECIFICATIONS

Cumberland Town Offices

GENERAL

SCOPE OF WORK

The work to be performed under these Specifications shall include all labor, materials, equipment, transportation and incidentals necessary for the proper execution and completion of all Electrical Work indicated on the Contract Drawings or specified herein, with the intent that the installation shall be complete in every respect and ready for use.

Minor details not usually shown or specified, but necessary for proper installation and operation, shall be included on the Contractor's bid, the same as if indicated or specified herein.

The extent of the work under this Section is indicated on the Drawings and as herein specified. The work includes, but is not limited to, furnishing and installing the following:

1. A 120/208V three phase underground service transformer pad, meter enclosure and main breaker panelboard as required.
2. Area panelboards, wiring, panel circuit breakers, outlets, etc. as noted on the plans and specifications.
3. Switches and wiring as required for mechanical equipment, water heater, boiler, HVAC, etc.
4. Interior and exterior area building light fixtures.
5. Emergency light battery/charger units with attached and remote lighting heads.
6. Exit light fixtures.
7. Three 4'x8'x5/8" plywood backboard for power and telephone equipment.
8. Fire alarm system with remote pull station, alarm indication and annunciator in the public safety area.
9. Cable T.V. system as required for an outlet in rooms shown.
10. Disconnect an existing engine generator and transfer switch assemblies and install at locations indicated on plans.

DRAWING AND SPECIFICATIONS

The Drawings and Specifications are complementary, and what is called for by one shall be as binding as if called for by both.

The drawings are diagrammatic,and are intended to show the general arrangement and extent of work to be done and do not show all the required fittings, offsets, hangers, etc., required to execute the work properly. The final location and arrangement of all parts shall be determined as the actual work progresses, so as to conform in the best possible manner with the surrounding work, and with the general intent of the Drawings and specifications.

CODES, PERMITS, AND FEES

This Contractor shall give all necessary notices, including electrical utilities, obtain all permits, and pay all government taxes,fees, and other costs, including utility connections or extensions, in connection with this work; file all necessary plans, prepare all documents, and obtain all necessary approvals of all government departments having jurisdiction; obtain all required certificates of inspection for his work and deliver same to the Owner before request for acceptance and final payment for the work. Work and materials shall conform to the National Electrical Code, and other applicable codes.

WORKMANSHIP AND MATERIALS IN GENERAL

All work shall be performed under supervision of a licensed master electrician and competent workmen.

All equipment, apparatus, appliances and fixtures shall be new and installed, connected and adjusted in strict accordance with the manufacturer's recommendations and instructions.

SUBSTITUTIONS

Where no specific make of materials, apparatus or fixture is mentioned, any standard product of a manufacturer regularly engaged in the production of such equipment may be furnished, provided it conforms to the applicable codes and standards. Where a specific make is mentioned,it shall be interpreted as establishing a standard of quality and shall not be construed to limit competitive products. This Contractor may substitute any product which, in the judgement of the Engineer, is equal to that named.

COOPERATION WITH OTHER TRADES

Where the work of the Contractor is to be installed in close proximity to work of other trades, or where the work will interfere with the work of other trades, he shall assist in working out space conditions to make a satisfactory adjustment. If this Contractor installs his work before coordinating with the work of other trades, he shall make necessary changes in his work to correct the condition without extra charge.

ELECTRICAL CONNECTIONS

Except as indicated or specified herein, this Contractor shall provide and install power wiring to all electrical equipment complete and ready for operation including disconnect switches and fuses.

TEMPORARY ELECTRICAL SERVICE

The Electrical Contractor shall provide temporary power and wiring for use by all trades throughout the building, consisting of a 20 amp, 120V source available to all areas through a fifty foot extension cord, and 200 watt lamp outlet or equivalent for each 1000 square feet of construction area.

CUTTING AND PATCHING

This Contractor shall advise the General Contractor of locations and sizes of all openings and chases, and furnish and locate all sleeves and inserts required for the installation of the electrical work. No structural members shall be cut without the approval of the Architect. All patching shall be performed in a neat and workmanlike manner acceptable to the Owner.

WATERPROOFING

The Electrical Contractor shall provide all flashing, caulking and sleeves required where his items pass through the outside walls or roof. The waterproofing of the openings shall be made absolutely watertight. The methods of installation shall meet the approval of the Architect.

IDENTIFICATION

a. All equipment and equipment controlling devices furnished by this Contractor shall be permanently labeled, in an approved manner

b. All wire and cable shall be color coded and shall be labeled with tags or tape at each end giving use and circuit number.

c. Overcurrent devices shall clearly indicate what they feed by means of typewritten panel schedules mounted on inside of the front cover doors.

TESTING

As the various parts of the work are completed, the Contractor shall make insulation resistance and continuity tests to insure that the system is free from short circuits and accidental grounds and that all connections, switches, control and equipment are in proper operating condition.

AS-BUILT DRAWINGS

The Contractor shall maintain a scale drawing, showing the progressive installation of his work, in its actual location and showing the actual construction and shall, at the completion of the work, submit this drawing, together with all equipment instruction manuals and any other documents pertaining to the equipment, appliances, fixtures, etc. installed or wired under this Section, to the Owner for the Owner's use.

GUARANTEE

The Contractor shall warrant and maintain his work for one (1) year after the completion and acceptance of this work. If any defects in material or workmanship appear within this time, unless due to faulty use of the apparatus, the Contractor shall, at his own expense, remedy such defects and pay for any damage to other work resulting from such defect.

B. PRODUCTS

All wiring, where required by National Electrical Code, or as noted on the plans shall be approved raceways if indicated on plans, or non-metallic cable. U.L. approved conduit shall be metallic conduit, P.V.C. schedule 40 or electrical metallic tubing (E.M.T.). Compression fittings shall be utilized with the E.M.T.

WIRE AND CABLE

All wire and cable shall comply with the latest requirements and specifications of the NFPA and/or the Insulated Power Cable Engineers Association (IPCEA), and shall be stamped approximately every two (2) feet to indicate voltage, type, temperature rating, UL listing, manufacturer's name, size, etc. Conductors used in the wiring system shall be softdrawn copper wire having conductivity of not less than 98% of that of pure copper, unless otherwise indicated or specified. Wire No. 10AWG and smaller shall be solid and Wire No. 8AWG and larger shall be stranded. Conductor insulation shall be 600 volt with insulation types as follows:

General Use Areas	THW, THWN, THHN, XHHW
Wet or Moist Location	THWN, RHW, XHHW
Service Entrance	RHW, XHHW, THWN, (Type USE)
Buried Distribution	RR, THWN, (Type UF)

Wiring internal to fixtures, shall be minimum No. 14AWG Type AF or TF (150 degrees C) with minimum 300 volt insulation.

OUTLET AND BOXES

Boxes shall be UL and NEC approved, metallic, of proper size and shape for conduits or cables entering them. Cast boxes will be utilized in the exterior areas.

INSTALLATION

RACEWAYS AND FITTINGS

Outlets shall be installed in locations shown on the drawings. The Contractor shall study the general building plans in relation to the spaces surrounding each outlet in order that his work may fit the other work required by these specifications. When necessary, the Contractor shall relocate outlets so that fixtures or other fittings will be symmetrically located according to room layout and will not interfere with other work or equipment. Boxes shall be installed in a rigid and satisfactory manner, either by wood screws (wall mounted boxes in wood construction may be nailed), expansion shields on masonry, or machine screws on steelwork.

Conductors shall be continuous from outlet to outlet, and no splices shall be made except within junction boxes. Junction boxes may be utilized whenever required or as shown on the Drawings. Wire connectors, insulating materials or solderless pressure connectors, properly taped, shall be utilized for all splices in wiring. All wiring shall be concealed in walls, ceilings and floors where possible. Wiremold or conduit shall be used for any surface runs.

Exposed runs of wiring shall be in conduit and installed with runs parallel or perpendicular to walls, structural members or intersections of vertical plans and ceilings, with turns consisting of cast-metal fittings of symmetrical bends. Bends shall be made with an approved conduit-bending machine. Conduit which has been crushed or deformed in any way shall not be installed.

EQUIPMENT CONNECTIONS

Equipment connection shall be made with LIQUID TIGHT flexible metal conduit. Controllers for motor, disconnect switches and all control, protective and signal devices for motor circuits shall be connected and left in operating condition. The number and size of conductors on the plans or recommended by the manufacturer of the apparatus. Where equipment is furnished and installed by other trades for connection to electrical system, this Contractor shall supervise such installation. All work shall conform to the National Electrical Code requirements.

GROUNDING SYSTEM

The entire electrical installation shall be provided with a system ground connected to the water service entrance pipe if metal, to the foundation reinforcing steel and to a 5/8" x 8'-0" copperweld steel ground rod. Installation shall be in accordance with N.E.C. and local requirements. See tables 250-94 (a) and 250-95 (N.E.C.)

Provide a separate grounding wire to all outlets. Ground wire secured under conduit bushings or cable clamps will not be permitted.

INSTRUCTION TO OWNER

At the completion of the work, this Contractor shall turn over to the Owner, for the owner's use, three (3) sets of operating and maintenance instructions of all equipment. The Contractor shall explain instructions of all equipment. The Contractor shall explain and demonstrate the operation of each system to the owner's representative.

A. STANDBY ENGINE GENERATOR SYSTEM

A 35 KW engine generator and 400 amp. transfer switch is presently installed at the Town Office building. This system will be moved to the new location when directed by the Town representative. A suitable, approved enclosure will replace the removed Transfer Switch enclosure. The "normal" and "load" power conductors will be secured together in an approved manner, properly insulated to insure all circuits are energized under normal conditions.

All propane gas fittings and the regulator will be installed by the General Contractor.

The Electrical Contractor should carry an allowance of $500 to cover the required startup and test by the local Onan representative technician to insure proper operation at the new location. An allowance of $200 shall be carried to cover costs of relay additions for HVAC control by the transfer switch.

A. FIRE ALARM SYSTEM

a. The fire alarm system in the building shall be a complete noncoded, closed circuit, supervised, automatic system. Equipment listed is Notifier, equivalent equipment of state-of-the-art design by Autocall, Pyrotronics, Simplex, Fire-Lite, Honeywell, Gamewell will be reviewed if they are equal in performance and features (submit preliminary bill of material before bidding for tentative approval by the Engineer.)

B. PRODUCTS

MATERIALS

a. Fire alarm control panel shall be Modular 24 VDC with eight active, class B zones, and two supervised horn/light circuits. The control panel shall contain necessary power supply and modules for a complete system. The fire alarm control panel shall be ~~surface~~ mounted Notifier ~~# SFP-5000 series.~~ #5500 SERIES - EIGHT ZONE 2

b. Batteries shall be sealed lead acid capable of operating the alarm systems for 10 minutes after a 24 hr. power outage.

c. All devices shall be furnished with outlet boxes. Automatic heat detectors shall be Notifier HD-80. Smoke detectors shall be Notifier #2400 series photo-electric type.

d. Alarm horns shall be 24V d.c. with flashing strobe, flush mounted Notifier #MA/SS.

e. Manual stations shall be semi-flush Notifier #BNG-1R series, single action, with outlet box for flush mounting.

2 f. FLASHING STROBE LIGHTS ONLY SHALL BE FLUSH MOUNTED GENTEX #GX94187SWR

C. EXECUTION

INSTALLATION

a. Install as shown on the plans. All devices shall be flushed mounted, if possible. Wire with concealed wiring.

b. The a-c service for the fire alarm shall be a dedicated circuit breaker on the panel as indicated on the plans. Furnish a lockable circuit breaker and identify the breaker by painting red.

c. All 24VDC wiring shall not be smaller than #16 AWG UL approved conductor. Size and number of wires shall be in accordance with wiring diagrams supplied by the manufacturer.

d. Install fire alarm wiring concealed in the structure. Provide nameplates to indicate locations of end-of-line resistors (EOL).

e. The Electrical Contractor shall, upon completing the installation of the Fire Alarm System, conduct a complete test of the system in the presence of a representative of the Fire Alarm Equipment Manufacturer, The local Fire Dept., and a representative of the Owner. During the course of the test, each manual station shall be activated, each rate-of-rise heat detector shall be activated by way of applying heat, each fix temperature heat detector shall be activated by way of shorting the fixed temperature detector terminals. Each smoke detector shall be activated by applying smoke. The manufacturer shall supply a minimum of one year guarantee on all Fire Alarm equipment.

f. Each supervised circuit associated with the Fire Alarm System shall be opened at the most remote point in that circuit causing the trouble indication at the control panel to operate, thereby ascertaining that each circuit is supervised as required. At the completion of the test, a letter shall be submitted by the Electrical Contractor to the Owners stipulating that the Fire Alarm System was installed according to these specifications.

g. The manufacturer shall furnish to the owner, a one-year contract, effective from the date of acceptance, for maintenance and inspection services of the manufacturer's equipment with a minimum of two inspections during that contract year. Written evidence of such inspections shall be left with the appropriate authorities, verifying that at the conclusion of each inspection, the Fire Alarm System has been tested.

h. Furnish a framed scale drawing of the building showing each fire alarm device with each zone indicated. The drawing shall be made in a neat manner with the drawing framed in glass and installed at or near to the fire alarm panel.

2 ADDITIONAL NOTES:

1. Existing Generator - Electrical trade contractors shall exam the existing generator @ existing Town Hall (12 Drowne Rd. Tel: 829-5559) before submitting Bid Proposal. Electrical Trade Contractor shall include all costs to disconnect transportation/rigging, re-connect at new site. This work to be done on off-hours of existing Town Hall; and on/or about the day before substantial completion (Jan. 15+/-, 1998).....The electrician shall F & I a new transfer switch box (compatible to the existing) for the new building so that permanent power can be on during construction winter months (Nov., Dec., Jan.). Electrician shall include any other Labor & Materials to accomplish this.
2. Generator Operation: Normal operation (C.M.P. Power). All electrical facilities are supplied with electrical power.
   Stand-By Generator Operation Electrical power shall be supplied to panels "SP", "SL", "SLL", All HVAC units are inhibited from operating in a cooling cycle.
   HVAC #4 (supplies the ground floor areas) will supply heat only as required. The remaining three (3) HVAC units could heat their respective areas utilizing manual switching. An allowance of $200.00 (as stated on Page 9 of 9 in specification section) shall be carried to install a circuit from the existing relay in the transfer switch control unit to the four (4) HVAC units for their control during stand-by generator operation.
   The Mechanical Contractor will supply and install any other control equipment in the HVAC units including manual switching for heat controls.

NO.	REVISIONS OR ISSUE	DATE
2	ADDED ADDITIONAL NOTES PER ADDENDUM NO. 1 & ISSUED FOR CONSTRUCTION	8-18-97
1	ISSUED TO SUBCONTRACTORS FOR BID PROPOSALS	7-23-97

SPECIFICATIONS

THE POCHEBIT CO., INC.
171 WARREN AVE. PORTLAND, MAINE 04103

TOWN OF CUMBERLAND
TOWN OFFICES

SCALE: NONE
DRAWN: JS
DATE: 7/23/97

JOB NO. 97-185

DRAWING NO. E-6

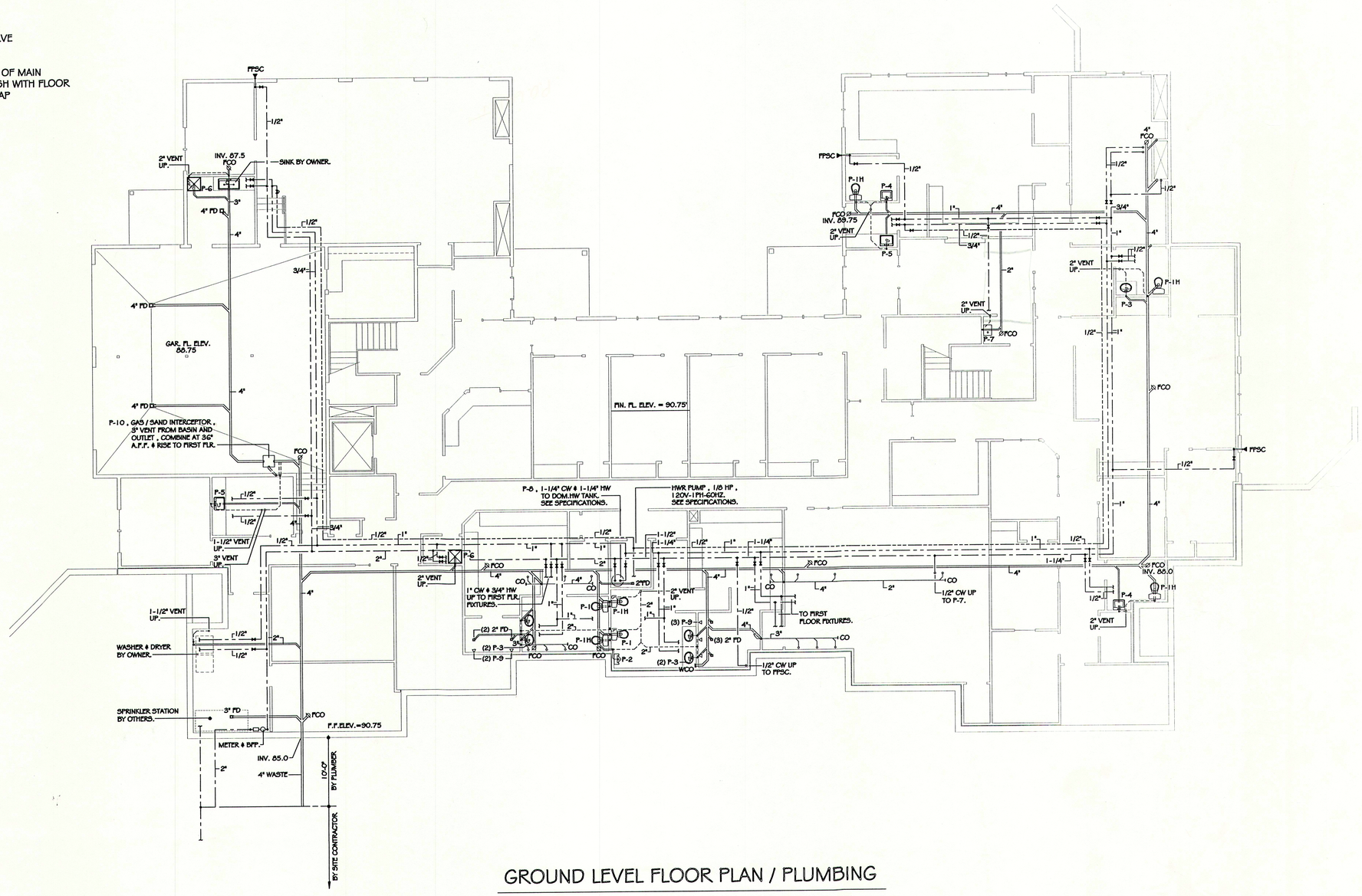
STATE OF MAINE SPENCER D. PITTS 1996

7/23/97

PROFESSIONAL GRAPHICS DPD-4D

PLUMBING SYMBOLS LEGEND

- SOIL OR WASTE ABOVE FLOOR
- SOIL OR WASTE BELOW FLOOR
- ROOF DRAIN ABOVE FLOOR
- ROOF DRAIN BELOW FLOOR
- VENT ABOVE FLOOR
- VENT BELOW FLOOR
- COLD WATER
- HOT WATER
- HOT WATER RECIRCULATION
- T — TEMPERED HOT WATER
- T — TEMPERED HOT WATER RECIRCULATION
- GATE VALVE
- CHECK VALVE
- GLOBE VALVE
- BACKWATER VALVE
- G — GAS PIPING
- A — AIR PIPING
- CLEAN-OUT END OF MAIN
- CLEAN-OUT FLUSH WITH FLOOR
- ANTI-SIPHON TRAP
- FD — FLOOR DRAIN
- RD — ROOF DRAIN
- S — SPRINKLER



GROUND LEVEL FLOOR PLAN / PLUMBING

NOTE : SEE SPECIFICATIONS FOR PLUMBING FIXTURE SCHEDULE.

CONSTRUCTION SET
7-14-97

STATE OF MAINE ☆ REGISTERED PROFESSIONAL ENGINEER ☆ MICHAEL PETER JOHNSON NO.4528

JOHNSON & JORDAN
MECHANICAL CONTRACTORS
P.O.BOX 1595
SCARBOROUGH, ME 04070-1595
TEL. (207) 883-6345 * FAX (207) 883-6619

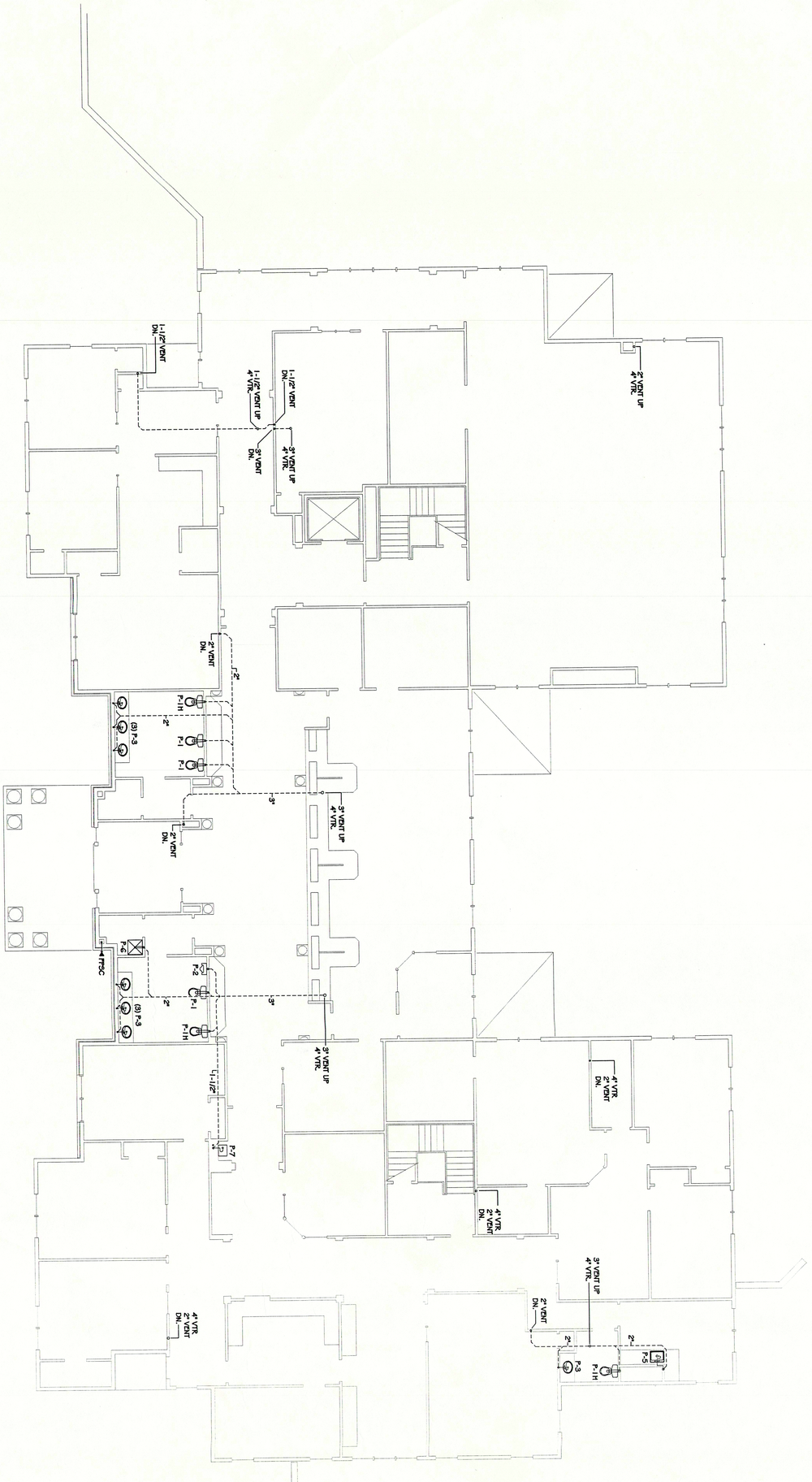
REVISIONS:
7-14-97 : FLOOR PLAN CHANGES.

DRAWINGS THIS SHEET:
GROUND FLOOR / PLUMBING
PLUMBING SYMBOLS LEGEND

DRAWN:	CHECKED:	SCALE:	DATE:	PROJECT #
JWB	MPJ	1/8"=1'-0"	6-30-97	97105

PROJECT:
TOWN OF CUMBERLAND
TOWN OFFICES

SHEET #
M-3
OF 4



FIRST FLOOR PLAN / PLUMBING

NOTE : SEE SPECIFICATIONS FOR PLUMBING FIXTURE SCHEDULE.

CONSTRUCTION SET
7-14-97

SHEET # M-4 OF 4	PROJECT: TOWN OF CUMBERLAND TOWN OFFICES	DRAWN: JWB / CHECKED: MPJ; SCALE: 1/8"= 1'-0"; DATE: 6-30-97; PROJECT# 97105	DRAWINGS THIS SHEET: FIRST FLOOR PLAN / PLUMBING	REVISIONS: 7-14-97 : VENTING ADDED	JOHNSON & JORDAN MECHANICAL CONTRACTORS P.O.BOX 1585 SCARBOROUGH , ME. 04070-1585 TEL. (207) 883-8345 * FAX (207) 883-8619

STATE OF MAINE — MICHAEL PETER JOHNSON NO. 4528 — REGISTERED PROFESSIONAL ENGINEER