FITCHBURG UTILITY BUILDING

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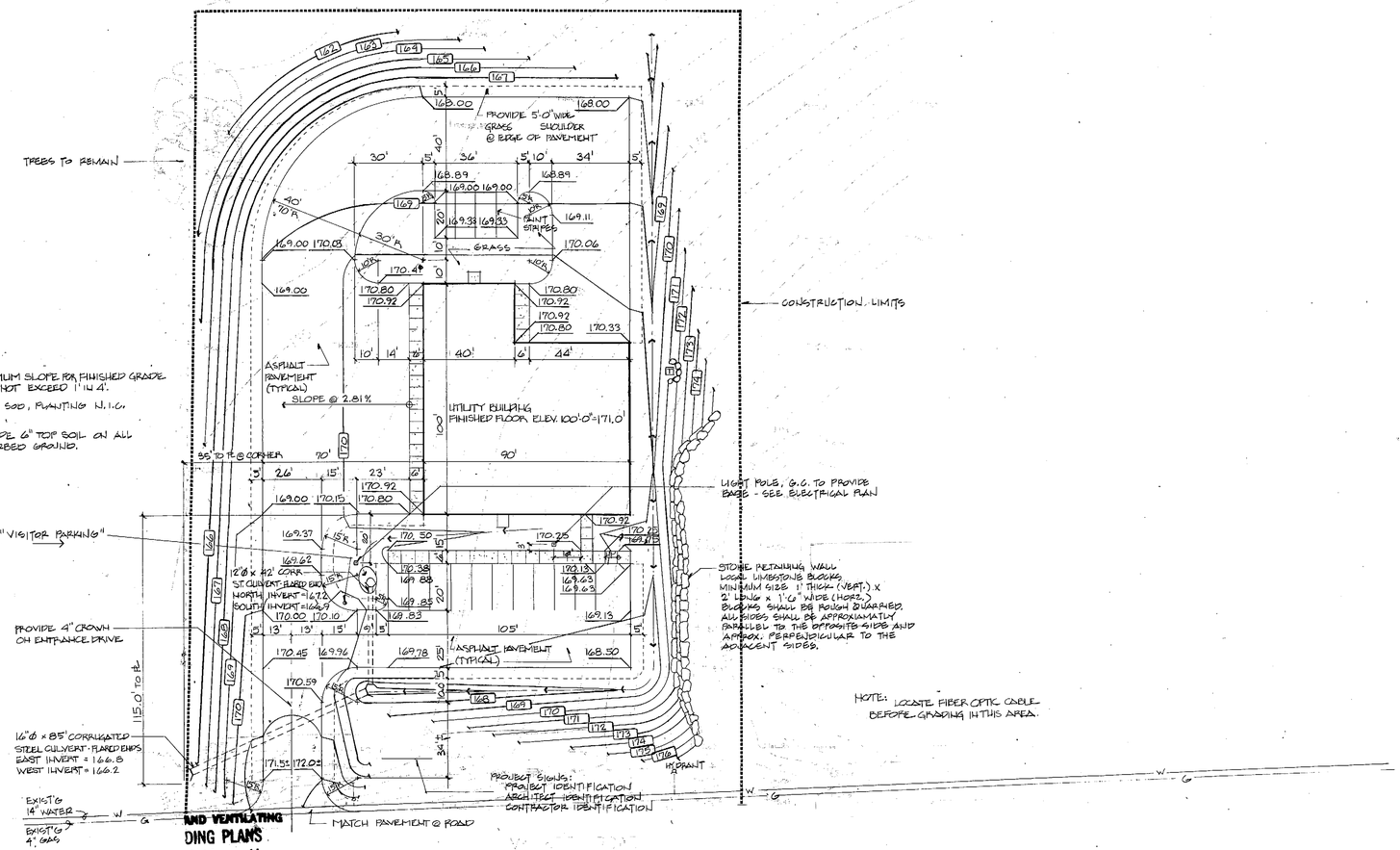
BUILDING DATA

ZONING	R-D
OCCUPANCY	IUHR 59 HAZARDOUS
CONSTRUCTION TYPE	METAL FRAME UNPROTECTED (NON)
AREA MAIN LEVEL	7,767 SQ. FT.
UPPER LEVEL	2,590 SQ. FT.
OCCUPANT LOAD	67

LEGEND

NEW CONTOURS — 170
SPOT ELEVATION — 170.00
DRAINAGE SWALE



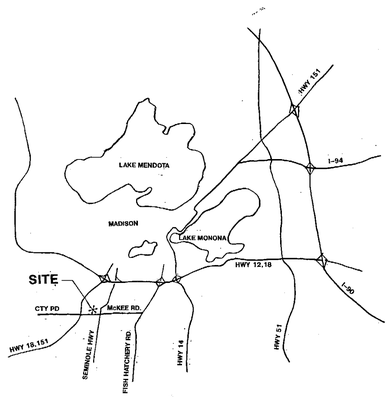
NOTES:

1) MAXIMUM SLOPE FOR FINISHED GRADE SHALL NOT EXCEED 1' IN 4'.
2) SEED, SOD, PLANTING N.I.C.
3) PROVIDE 6" TOP SOIL ON ALL DISTURBED GROUND.

HOTE: LOCATE FIBER OPTIC CABLE BEFORE GRADING IN THIS AREA.

AND VENTILATING
DING PLANS
ditionally
ROVED
RY, LABOR AND HUMAN RELATIONS
MAR 16 1989
ORRESPONDENCE
2264B

BUILDING PLANS CONDITIONALLY APPROVED
CITY OF FITCHBURG
BUILDING INSPECTION DEPARTMENT
SIGNATURE DATE 4/6/89



LOCATION MAP

1 SITE GRADING PLAN
1"=30'-0"

BUILDING & SITE PLANS CONDITIONALLY APPROVED
CITY OF FITCHBURG
ZONING DEPARTMENT
Signature Date 4-6-89

Conditionally Approved
Fire Prevention Bureau
Fitchburg Fire Department
NAME TITLE
04-03-89
DATE

WISCONSIN DAVID O. NOTZOL ARCHITECT FOND DU LAC

1-31-89

2/4/89

ARCHITECTURAL | STRUCTURAL | PLUMBING | H.V.A.C. | ELECTRICAL

REVISIONS							
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FILE NO.	2414
SURVEYED BY	
DRAWN BY	JAB1
DATE	
SCOPE I.D.	88F40
SCALE	

PROJECT REVIEW

DESIGN	DATE	DESIGN	DATE
REVIEW	DATE	REVIEW	DATE

Foth & Van Dyke
Engineers / Architects

FITCHBURG UTILITY BUILDING
6060 McKee Road Fitchburg, WI

SHEET NO. 1

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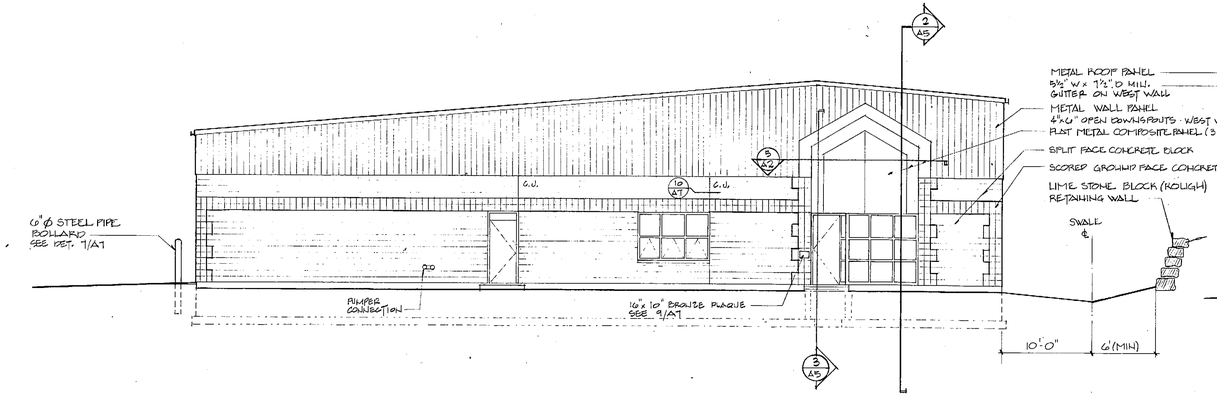
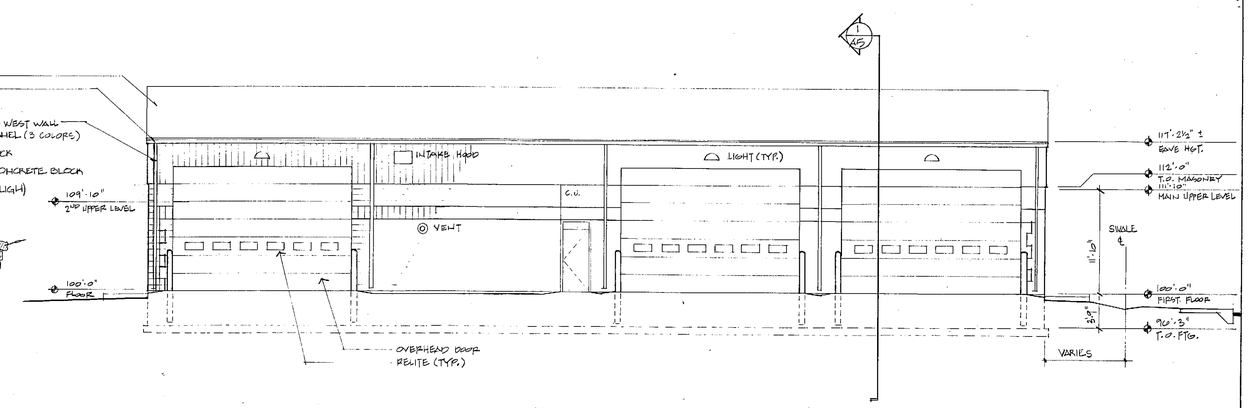


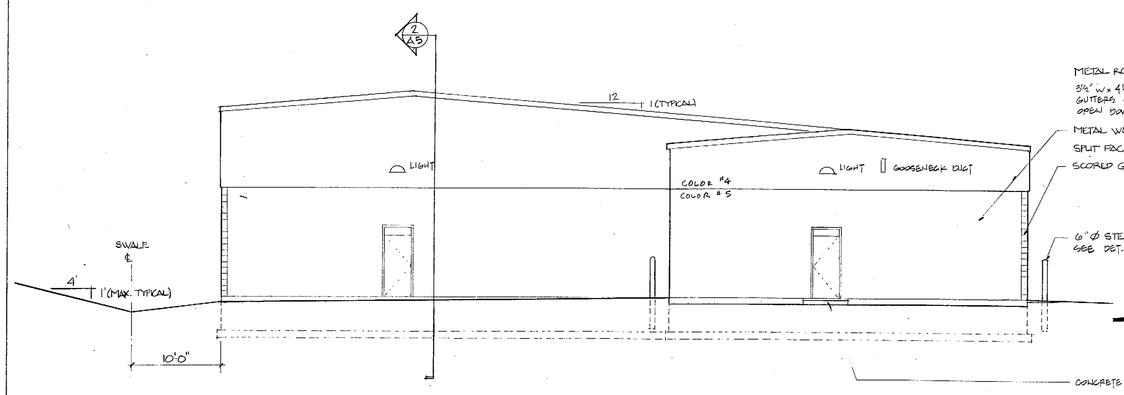
1 SOUTH ELEVATION

1/8" = 1'-0"



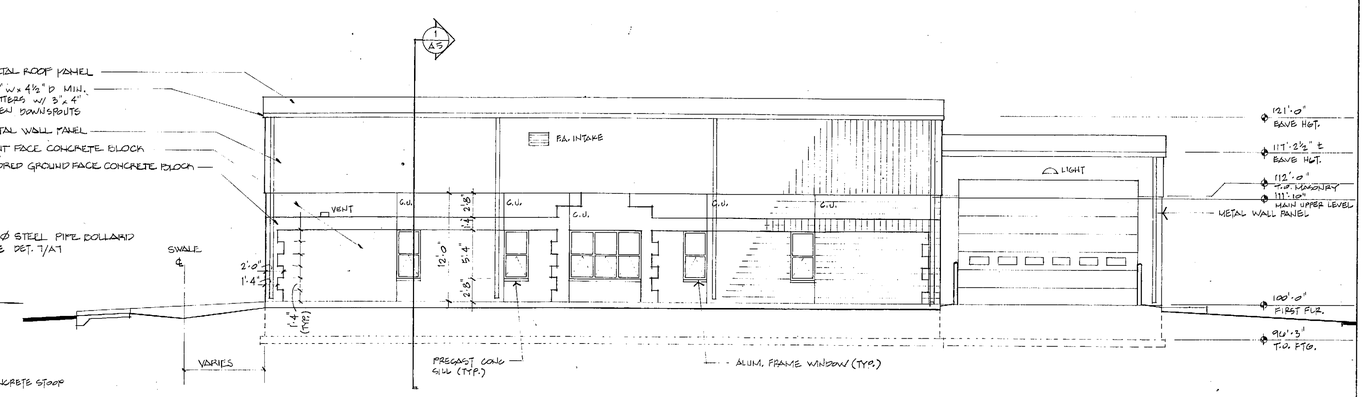
2 WEST ELEVATION

1/8" = 1'-0"



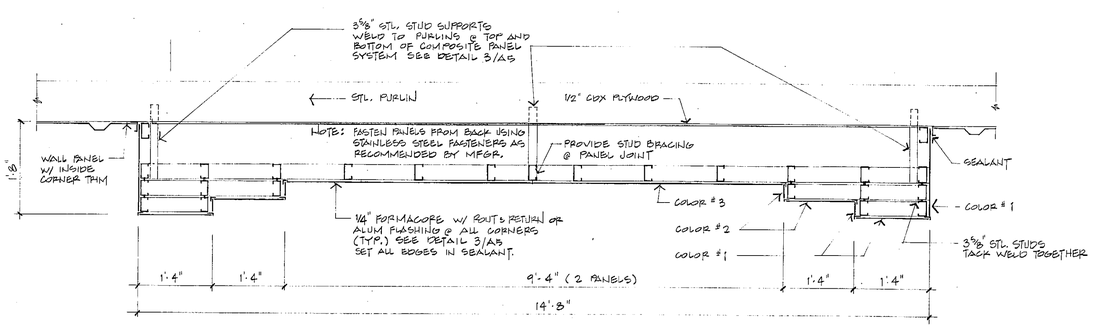
3 NORTH ELEVATION

1/8" = 1'-0"



4 EAST ELEVATION

1/8" = 1'-0"



5 ENTRANCE FASCIA DETAIL

3/4" = 1'-0"

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FILE NO.	2414
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DRAWN BY	D.O.N.
DATE	2-7-89
SCOPE I.D.	88F40
SCALE	

PROJECT REVIEW

DESIGN	D.O.N.	DATE	DESIGN	DATE
REVIEW	J.A.J.	DATE 2-3-89	REVIEW	DATE

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FITCHBURG UTILITY BUILDING

6060 McKee Road — Fitchburg, WI

SHEET NO. **A-2**

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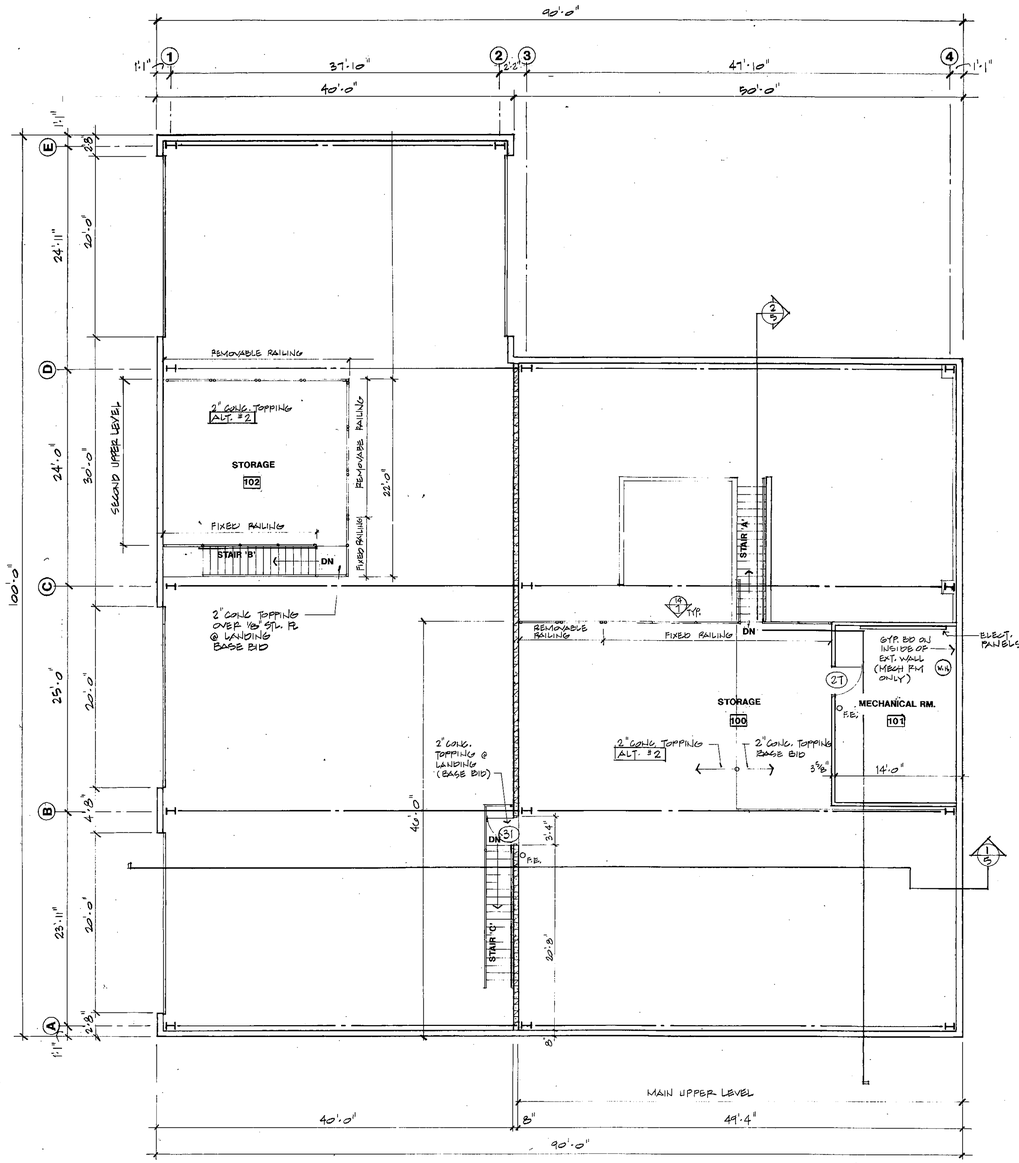
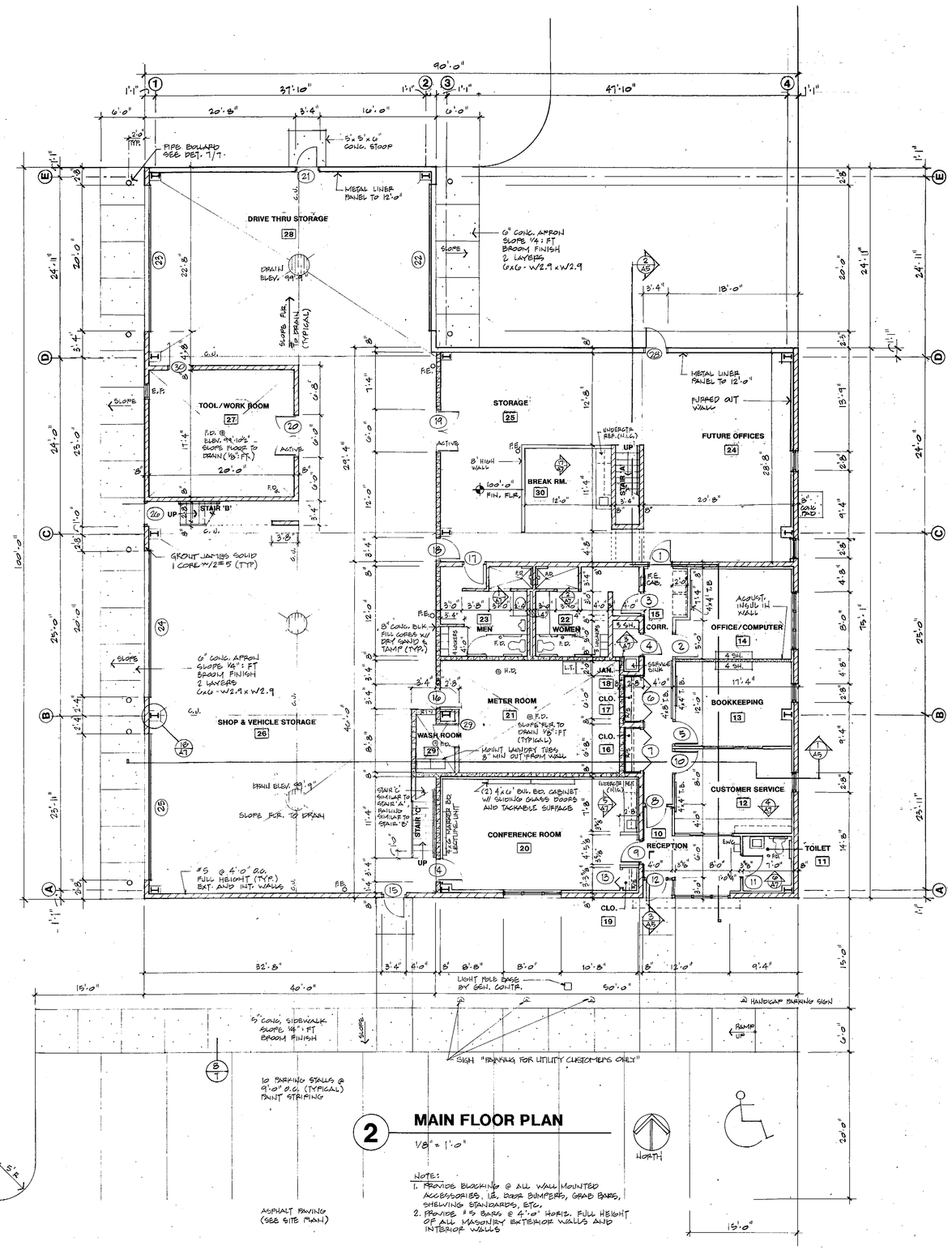
TELESPINE POST N1A755



1 UPPER LEVEL PLAN

1/8" = 1'-0"

NORTH



2 MAIN FLOOR PLAN

1/8" = 1'-0"

NORTH

NOTE:
1. PROVIDE BLOCKING @ ALL WALL MOUNTED ACCESSORIES, I.E. DOOR BUMPERS, GRAB BARS, SHELVING STANDARDS, ETC.
2. PROVIDE #5 BARS @ 4'-0" HORIZ. FULL HEIGHT OF ALL MASONRY EXTERIOR WALLS AND INTERIOR WALLS

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DRAWN BY	JABI
DATE	2-7-89
SCOPE I.D.	BBF40
SCALE	

PROJECT REVIEW

DESIGN	D.O.H.	DATE	
REVIEW	J.A.J.	DATE	2-3-89
DESIGN		DATE	
REVIEW		DATE	

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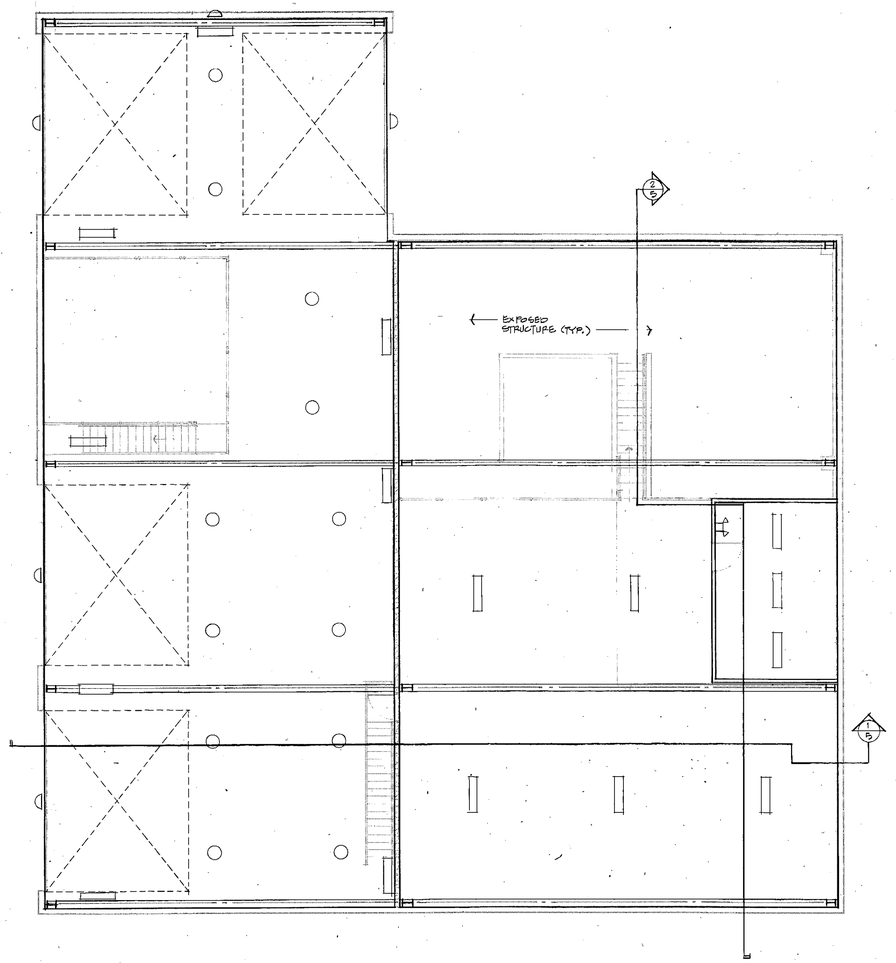
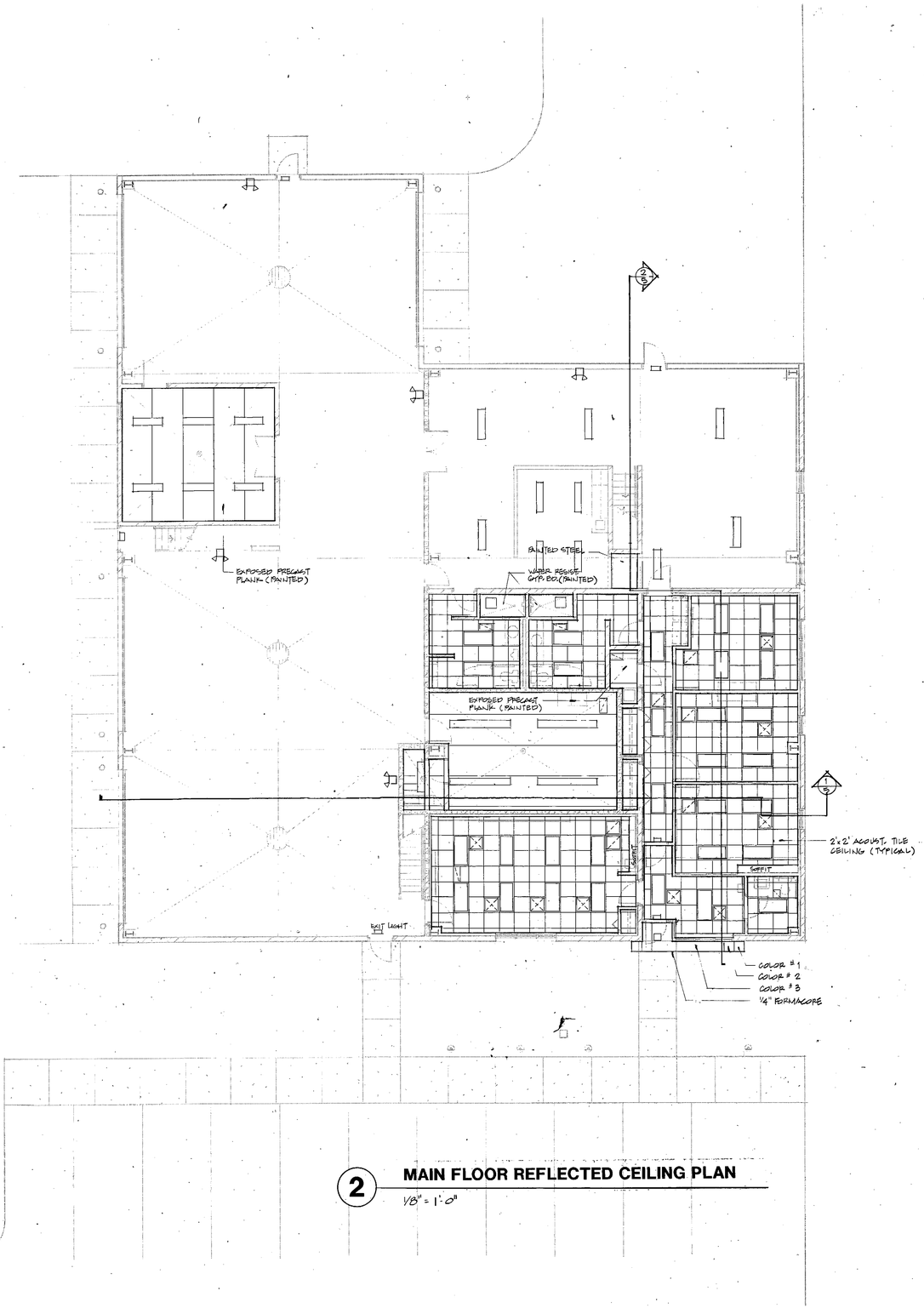


1 UPPER LEVEL REFLECTED CEILING PLAN

1/8" = 1'-0"



2 MAIN FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"

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SURVEYED BY	
DRAWN BY	D.O.H
DATE	2-7-89
SCOPE I.D.	88740
SCALE	

PROJECT REVIEW

DESIGN	D.O.H	DATE	DESIGN	DATE
REVIEW	J.A.L	DATE 2-3-89	REVIEW	DATE

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FITCHBURG UTILITY BUILDING
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SHEET NO.
A-4

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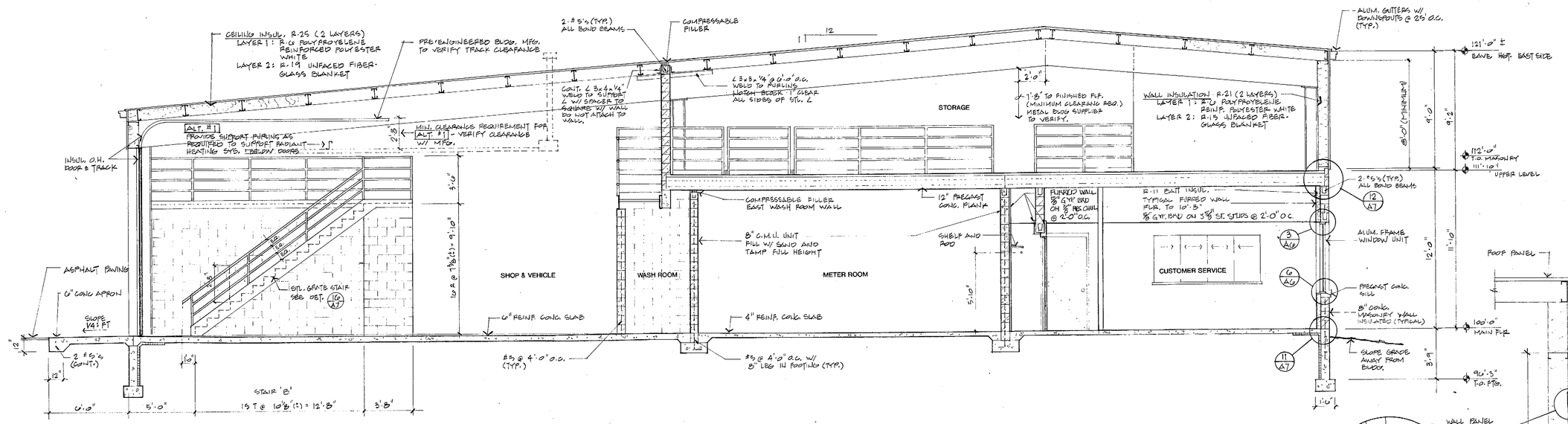
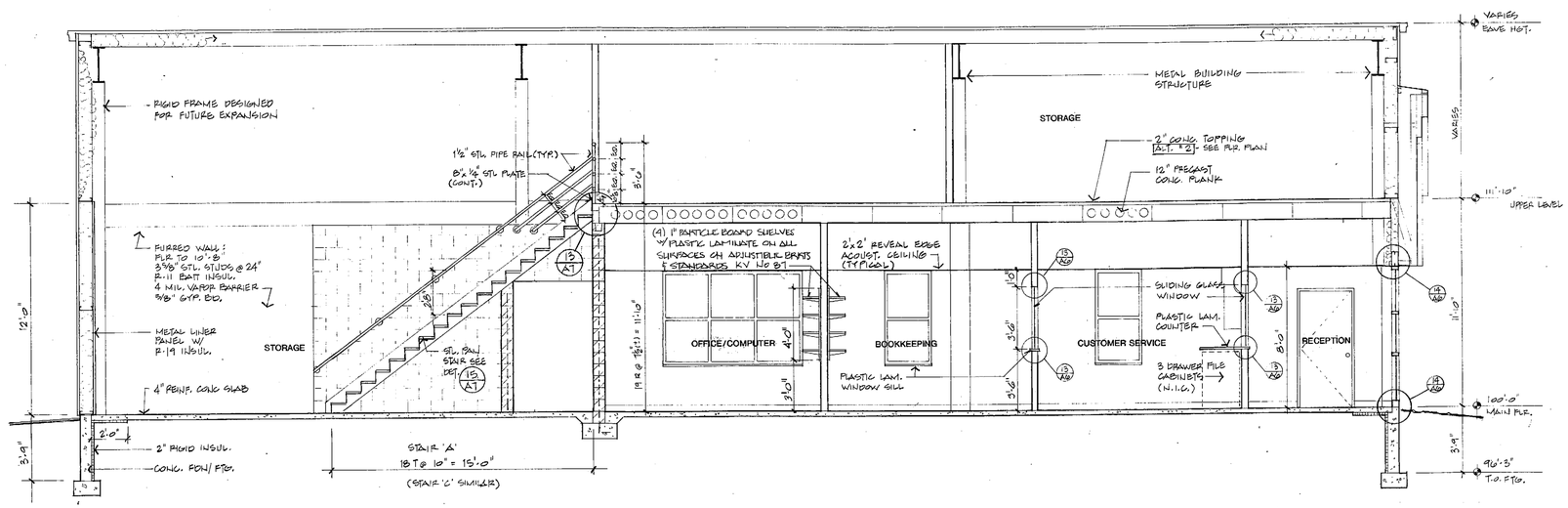
TELEPHONE ROOT

NOTE: METAL BUILDING SUPPLIER TO PROVIDE ALL ROOF CURBS, WATERTIGHT FLASHINGS, AND ADEQUATE SUPPORT REQUIRED FOR ALL ROOF PENETRATIONS AND ROOF MOUNTED ACCESSORIES. REVIEW ALL PLANS INCLUDING ELECTRICAL, MECHANICAL, AND PLUMBING.



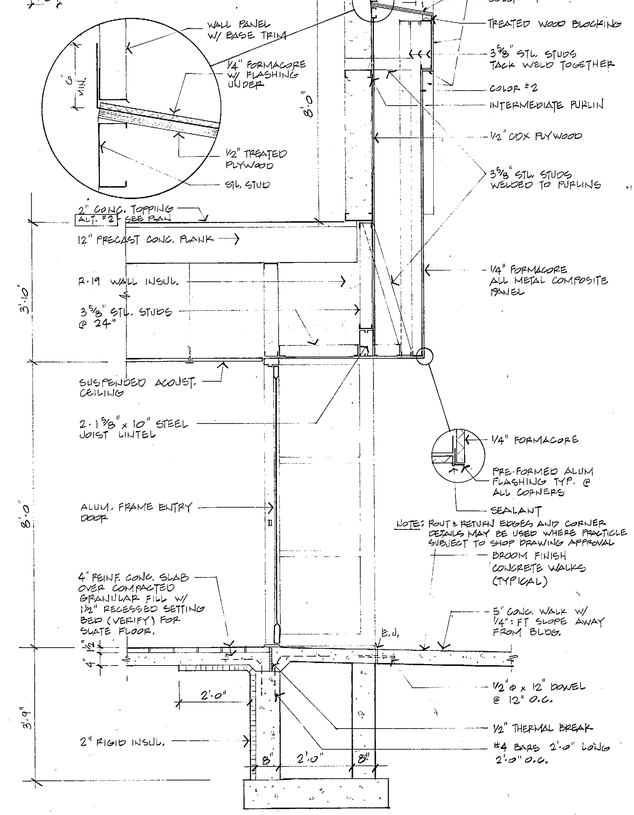
1 BUILDING SECTION

1/4" = 1'-0"



2 BUILDING SECTION

1/4" = 1'-0"



3 ENTRANCE FASCIA SECTION

1/2" = 1'-0"

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FILE NO.	2414
SURVEYED BY	
DRAWN BY	JAB;
DATE	2-7-89
SCOPE I.D.	88F40
SCALE	

PROJECT REVIEW

DESIGN D.O.L.	DATE	DESIGN	DATE
REVIEW J.A.D.	DATE 2-3-89	REVIEW	DATE

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ROOM FINISH SCHEDULE

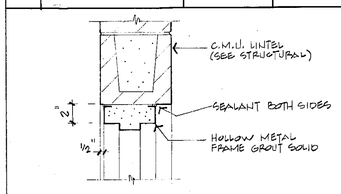
NO.	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALL MATERIAL/FINISH NORTH	EAST	SOUTH	WEST	CEILING MATERIAL	HEIGHT	REMARKS
10	RECEPTION	SLATE	SLATE	G.B./VINYL	G.B./VINYL	G.B./VINYL	G.B./VINYL	A.C.P.	8'-0"	PAINT GYP. BD C-0
11	TOILET	CERAMIC TILE	4" CERAMIC TILE					C.A.C.T.		
12	CUSTOMER SERVICE	CARPET - 1	4" VINYL					A.C.P.		
13	BOOKKEEPING									
14	OFFICE/COMPUTER									
15	CORRIDOR									
16	CLOSET			G.B./P-C-5	G.B./P-C-5	G.B./P-C-5	G.B./P-C-5			
17	CLOSET									
18	JANITOR	CONC. (C-2)	—	C.B./P-C-4	C.B./P-C-4	C.B./P-C-4	C.B./P-C-4	CONC. PLANK/P-C-4	10'-8"	
19	CLOSET	CARPET - 2	4" VINYL	G.B./P-C-5	G.B./P-C-5	G.B./P-C-5	G.B./P-C-5	A.C.P.	8'-0"	
20	CONFERENCE RM	CARPET - 2	4" VINYL	G.B./VINYL	G.B./VINYL	G.B./VINYL	G.B./VINYL	A.C.P.	8'-0"	PAINT GYP. BD C-0
21	METER RM.	CONC. (C-1)	—	C.B./P-C-3*	C.B./P-C-3*	C.B./P-C-3*	C.B./P-C-3*	CONC. PLANK/P-C-3*	10'-8"	* ALT. #3
22	WOMEN	CONC. (C-1)	—	C.B./P-C-3	C.B./P-C-3	C.B./P-C-3	C.B./P-C-3	C.A.C.T.	8'-0"	WATER RESIST. G.B. CLG. IN SHOWER P-C-5
23	MEN		—					C.A.C.T.	8'-0"	WATER RESIST. G.B. CLG. IN SHOWER P-C-5
24	FUTURE OFFICES	CONC. (C-2)	—	MTL. PANEL	G.B./P-C-5	C.B./P-C-4	C.B./P-C-4*	—		* ALT. #3
25	STORAGE		—		C.B./P-C-4*	C.B./P-C-4*		—		* ALT. #3
26	SHOP & VEHICLE STOR.		—	C.B./P-C-4*				—		* ALT. #3
27	TOOL/WORK RM.		—					CONC. PLANK/P-C-4	8'-8"	* ALT. #3
28	DRIVE THRU STOR.		—	MTL. PANEL	MTL. PANEL			—		* ALT. #3
29	WASH ROOM		—	C.B./P-C-3	C.B./P-C-3	C.B./P-C-3	C.B./P-C-3	CONC. PLANK/P-C-3	10'-8"	
30	BREAK ROOM		4" VINYL	G.B./P-C-5	C.B./P-C-4	C.B./P-C-4	G.B./P-C-5	—		
100	STORAGE	CONC. (C-2)	—	MTL. RAIL/P-M-1 G.B.	G.B./P-C-5*	—	C.B./P-C-4*	—		* ALT. #3
101	MECHANICAL EQUIP		—	G.B./P-C-5		G.B./P-C-5	G.B./P-C-5	—		
102	STORAGE		—	MTL. RAIL/P-M-1	MTL. RAIL/P-M-1	MTL. RAIL/P-M-1	MTL. PANEL	—		

DOOR & FRAME SCHEDULE

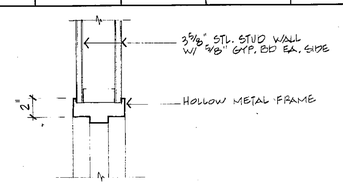
DOOR NO.	ROOM NO.	SIZE	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DETAIL JAMB	DETAIL HEAD	FIRE RATING	LOUVER	GLAZING	HARDWARE SET	REMARKS
1	15	3'0" x 7'0" x 1 3/4"	B	SOLID CORE WOOD	STAIN & VARNISH	A	HOLLOW METAL	ENAMEL	7/C0	9/C0			S	B	12" x 30" VISION PANEL
2	14		B			B			5/C0	2/C0		U.C. 1"	S	B	12" x 30" VISION PANEL
3	15		B			A			12/C0	9/C0		L 30x10		D	
4	18		B			A			12/C0	9/C0		L 14x10		E	
5	14		B			B			5/C0	2/C0		U.C. 1"	S	B	12" x 30" VISION PANEL
6	13	2'0" x 7'0" (1 PAIR)	C			A			12/C0	9/C0				I	
7	12	2'0" x 7'0" (1 PAIR)	C			A			12/C0	9/C0				I	
8	12	3'0" x 7'0" x 1 3/4"	B			B			5/C0	2/C0			S	B	12" x 30" VISION PANEL
9	20	3'0" x 7'0" x 1 3/4"	B			A			12/C0	9/C0		U.C. 1"		B	
10	10	3'0" x 7'0" x 1 3/4"	B			B			5/C0	2/C0		U.C. 1"	S	B	12" x 30" VISION PANEL
11	11	3'0" x 7'0" x 1 3/4"	B			B			5/C0	2/C0		L 14x10		C	
12	10	3'0" x 7'0" x 1 3/4"	A	ALUM.	BRZ. ANODIZED	C	ALUM.	BRZ. ANODIZED	—	—			1S	A	
13	20	2'8" x 7'0"	C	SOLID CORE WOOD	STAIN & VARNISH	A	HOLLOW METAL	ENAMEL	5/C0	2/C0				I	
14	20	3'0" x 7'0" x 1 3/4"	B	INSUL. HOLLOW METAL	ENAMEL	A	HOLLOW METAL	ENAMEL	7/C0	4/C0				B	
15	20		B			C				1/C0 & 10/C0			1S	H	FIXED PANEL ABOVE DOOR 12" x 30" VISION PANEL
16	21		B			A				4/C0		L 30x24	S	F	12" x 30" VISION PANEL
17	23		B	SOLID CORE WOOD	STAIN & VARNISH	A						L 30x10		D	
18	25		B	INSUL. HOLLOW METAL	ENAMEL	A							S	F (W.S.)	12" x 30" VISION PANEL
19	25	2'0" x 7'0" x 1 3/4" (1 PAIR)	B	INSUL. HOLLOW METAL		C				1/C0			S	G (W.S.)	12" x 30" VISION PANEL (ACTIVE LEAF)
20	27	2'0" x 7'0" x 1 3/4" (1 PAIR)	B	HOLLOW METAL		C						L 32 x 20 ONE DOOR		G	
21	28	3'0" x 7'0" x 1 3/4"	B	INSUL. HOLLOW METAL		C				1/C0 & 10/C0			1S	H	FIXED PANEL ABOVE DOOR 12" x 30" VISION PANEL
22	28	20" x 14"	D	INSUL. METAL	—	—	—	—	8/C0 & 11/C0	—					
23	28		D		—	—	—	—		—					
24	26		D		—	—	—	—		—					
25	26		D		—	—	—	—		—					
26	26	3'0" x 7'0" x 1 3/4"	B	INSUL. HOLLOW METAL	ENAMEL	C	HOLLOW METAL	ENAMEL	7/C0	1/C0 & 10/C0			1S	H	FIXED PANEL ABOVE DOOR 12" x 30" VISION PANEL
27	101	3'0" x 7'0" x 1 3/4"	B	HOLLOW METAL		B			5/C0	2/C0				B	
28	24	3'0" x 7'0" x 1 3/4"	B	INSUL. HOLLOW METAL		C							1S	F	FIXED PANEL ABOVE DOOR 12" x 30" VISION PANEL
29	29	3'0" x 7'0" x 1 3/4"	B	HOLLOW METAL		A			7/C0	4/C0		L 30x24		B	
30	27	3'0" x 7'0" x 1 3/4"	B			A								H	MOUNT BUMPER ON STL. COL.
31	100	3'0" x 7'0" x 1 3/4"	B	INSUL. HOLLOW METAL		A								B (W.S.)	MOUNT BUMPER ON DOOR

LEGEND:

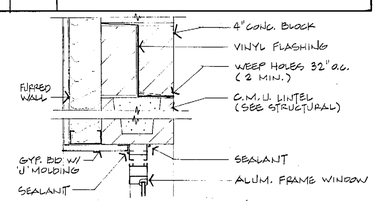
ALUM. - ALUMINUM
BRZ. - BRONZE
CONC. - CONCRETE
A.C.P. - ACOUSTICAL PANEL
C.A.C.T - CERAMIC ACOUSTICAL TILE
C.B. - CONCRETE BLOCK
U.C. - UNDER CUT
G.B. - GYPSUM BOARD
MTL. - METAL
P - PAINT
C - COATING (SEE SPEC.)
M - METAL COATING (SEE SPEC.)
S - SAFETY GLASS
1S - INSULATED SAFETY GLASS



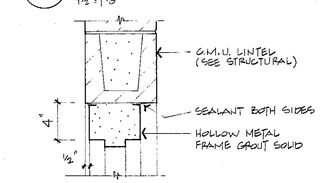
1 HEAD DETAIL
1½" = 1'-0"



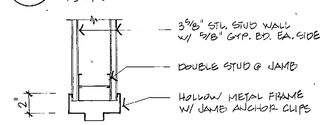
2 HEAD DETAIL
1½" = 1'-0"



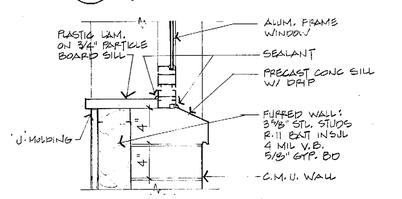
3 HEAD DETAIL
1½" = 1'-0"



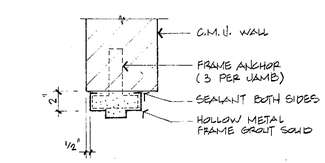
4 HEAD DETAIL
1½" = 1'-0"



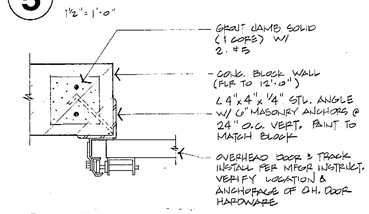
5 JAMB DETAIL
1½" = 1'-0"



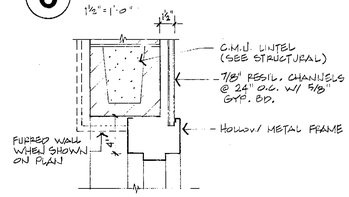
6 SILL DETAIL
1½" = 1'-0"



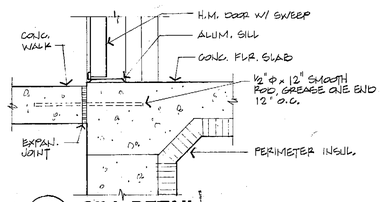
7 JAMB DETAIL
1½" = 1'-0"



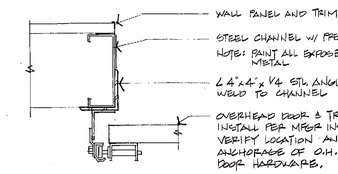
5 JAMB DETAIL
1½" = 1'-0"



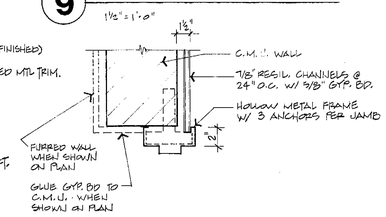
6 SILL DETAIL
1½" = 1'-0"



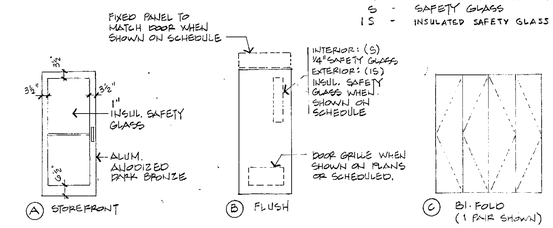
10 SILL DETAIL
1½" = 1'-0"

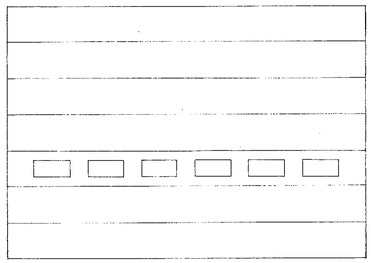


11 JAMB DETAIL 12'-14' A.F.F.
1½" = 1'-0"

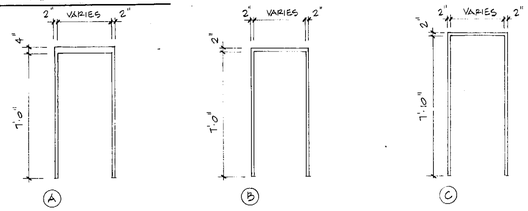


12 JAMB DETAIL
1½" = 1'-0"

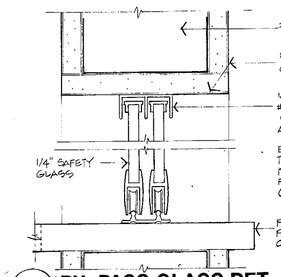




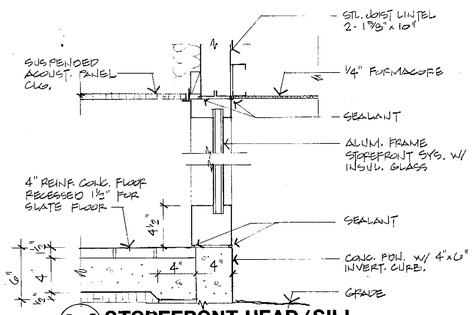
DOOR TYPES



DOOR FRAME TYPES



13 BY-PASS GLASS DET.
N.T.S.



14 STOREFRONT HEAD/SILL
1½" = 1'-0"

REVISIONS NO.	DESCRIPTION	DATE	BY	NO.	DESCRIPTION	DATE	BY
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△				△			
△				△			

FILE NO.	2414
SURVEYED BY	
DRAWN BY	JAB1
DATE	2-7-89
SCOPE I.D.	88F40
SCALE	

PROJECT REVIEW

DESIGN	D.O.U.	DATE	DESIGN	DATE
REVIEW	J.A.J.	DATE 2-3-89	REVIEW	DATE

Foth & Van Dyke
Engineers / Architects

FITCHBURG UTILITY BUILDING
6060 McKee Road — Fitchburg, WI

SHEET NO. **A-6**

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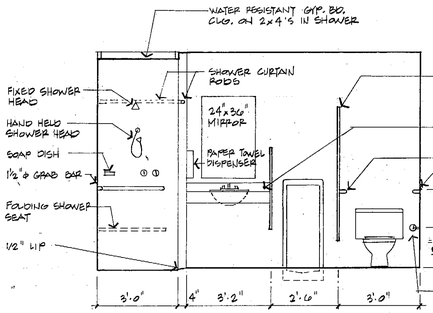
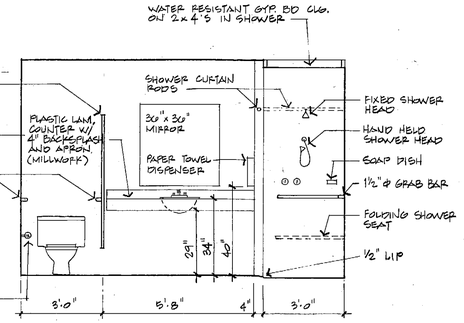
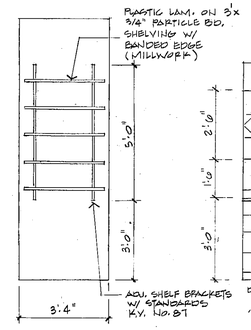


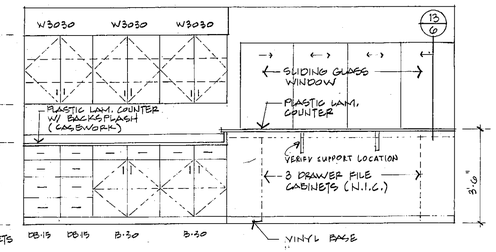
1 MENS ROOM ELEV.
3/8" = 1'-0"



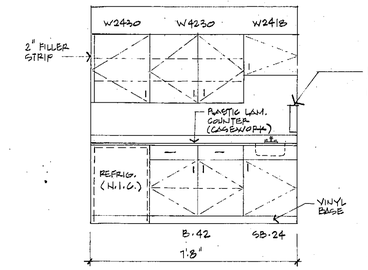
2 WOMENS ROOM ELEV.
3/8" = 1'-0"



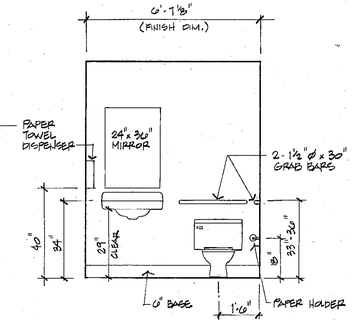
3 JAN. RM.
3/8" = 1'-0"



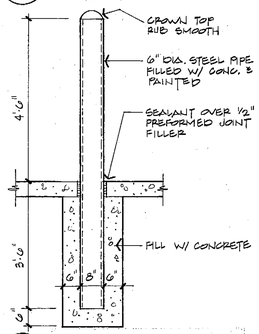
4 CUSTOMER SERVICE ELEV.
3/8" = 1'-0"



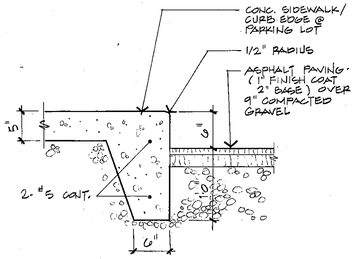
5 CONF. RM. ELEV.
3/8" = 1'-0"



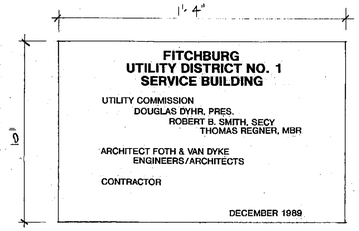
6 TOILET RM. ELEV.
3/8" = 1'-0"



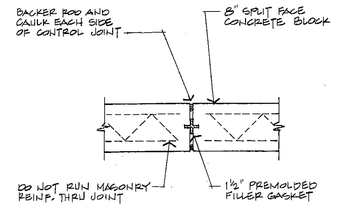
7 PIPE BOLLARD DET.
1½" = 1'-0"



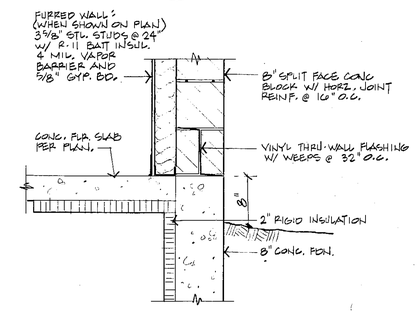
8 SIDEWALK/CURB DET.
1" = 1'-0"



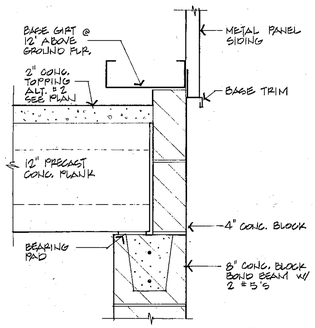
9 BRONZE PLAQUE
3" = 1'-0"



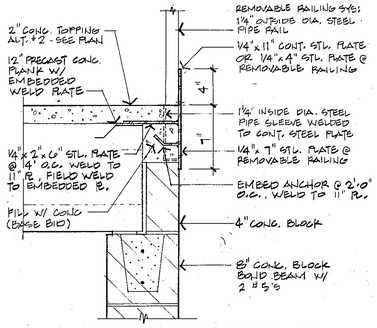
10 EXPAN.JOINT DET.
1½" = 1'-0"



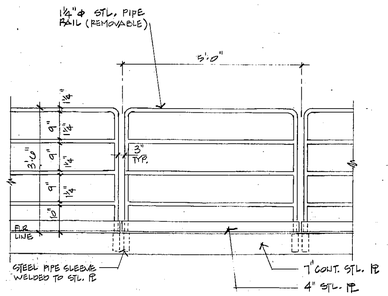
11 EXT. WALL/FDN. DET.
1" = 1'-0"



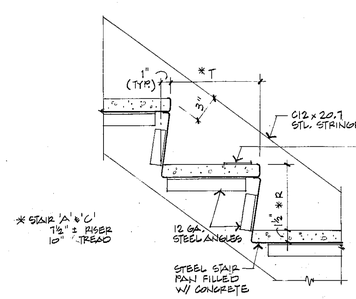
12 PRECAST @ EXT. WALL
1½" = 1'-0"



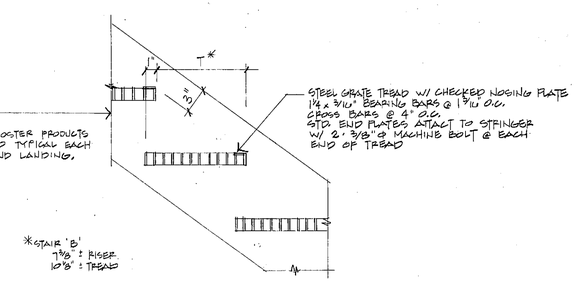
13 GUARDRAIL @ PRECAST
1½" = 1'-0"



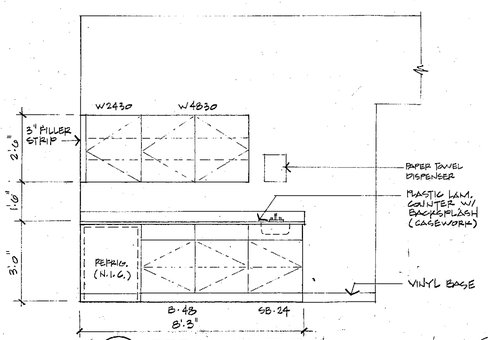
14 REMOVABLE GUARDRAIL
1½" = 1'-0"



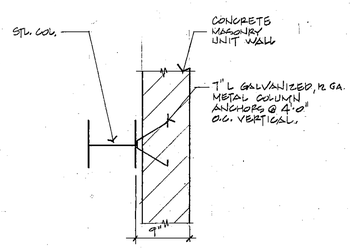
15 STAIR TREAD/RISER DET.
1½" = 1'-0"



16 TREAD DETAIL
1½" = 1'-0"



17 BREAK RM. ELEV.
3/8" = 1'-0"



18 COL/CMU WALL SUPPORT
1" = 1'-0"

REVISIONS							
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FILE NO.	2414
SURVEYED BY	
DRAWN BY	JAB;
DATE	2-7-89
SCOPE I.D.	88P40
SCALE	

PROJECT REVIEW

DESIGN	D.O.W.	DATE	DESIGN	DATE
REVIEW	J.A.J.	DATE 2-9-89	REVIEW	DATE

Foth & Van Dyke
Engineers / Architects

FITCHBURG UTILITY BUILDING
6060 McKee Road — Fitchburg, WI

SHEET NO. **A-7**

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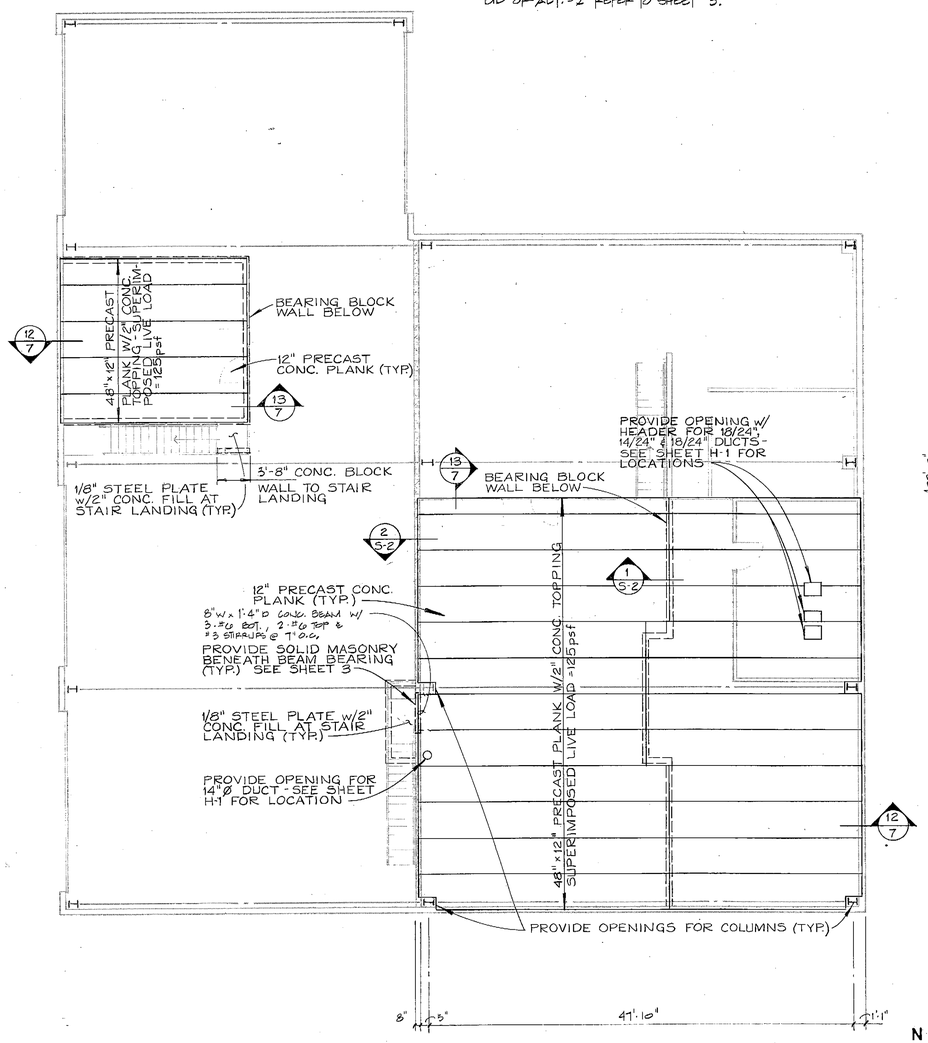
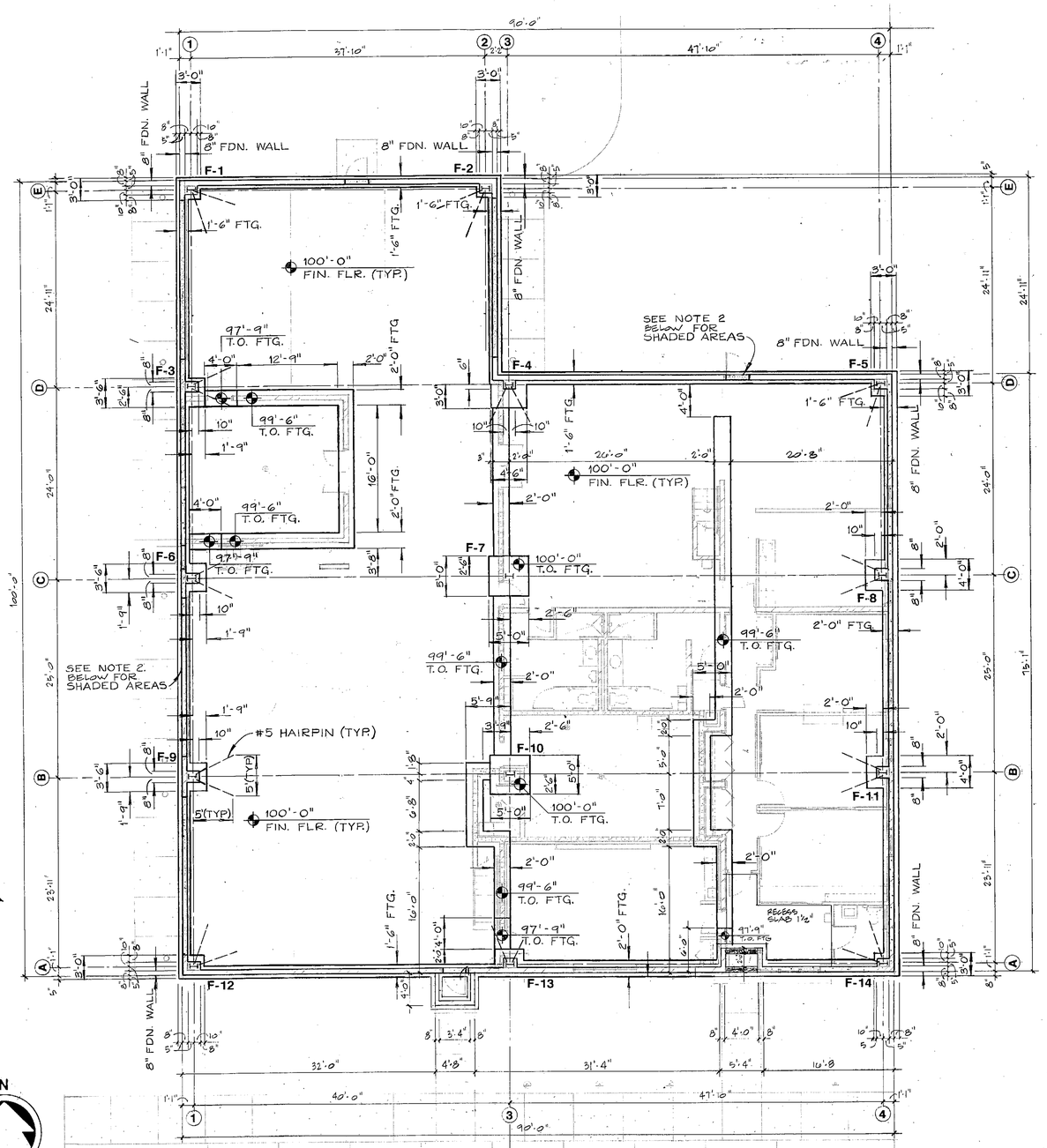
NOTES:
1. SEE SHEET 3 FOR LOCATION OF LINTELS AND CONSTRUCTION JOINTS.
2. CONCRETE USED FOR FOOTINGS AND FOUNDATION WALLS SHALL BE CLASS B
3. FOOTING AND HAIRPIN SIZE TO BE VERIFIED BY ENGINEER PRIOR TO CONSTRUCTION
4. FOR LOCATION OF 2" CONC. TOPPING IN BASE BID OR ALT. #2 REFER TO SHEET 3.



UPPER LEVEL PLAN - STRUCTURAL

1/8" = 1'-0"



FOUNDATION PLAN

1/8" = 1'-0"

NOTES:
1. ALL PERIMETER TOP OF FOOTING ELEVATIONS TO BE 96'-3"
2. ALL TOP OF FOUNDATION WALLS TO BE AT 100'-0" EXCEPT AT OVERHEAD AND ACCESS DOORS (SHADED) WHICH ARE 99'-6" SEE SHEET 3 FOR DOOR LOCATIONS.
3. F-1 = FOUNDATION MARK SEE SHEET S-2

REVISIONS									
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△				△				DATE	2-7-89
△				△				SCOPE I.D.	88F40
								SCALE	

FILE NO. 2414

PROJECT REVIEW

DESIGN	DATE	DESIGN	DATE
REVIEW	DATE	REVIEW	DATE

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FITCHBURG UTILITY BUILDING

FOUNDATION/STRUCTURAL PLAN

SHEET NO. **S-1**

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LINTEL SCHEDULE

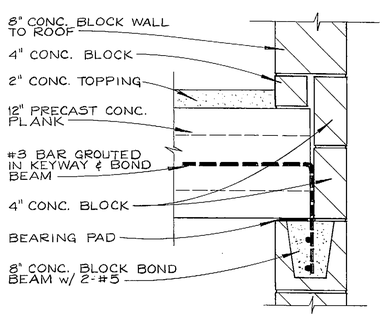
MARK	TYPE & SIZE	REINF.
L-1	8" BOND BEAM	2-#4
L-2	8" BOND BEAM	2-#7
L-3	W8 x 10	—
L-4	L3 x 4 x 1/4"	—

FOOTING & PIER SCHEDULE

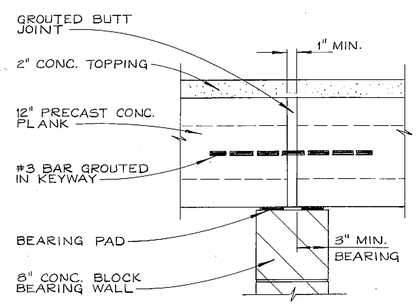
MARK	FOOTING			PIER			REMARKS
	SIZE	REINF.	TOP ELEV.	SIZE	REINF.	TOP ELEV.	
F-1	3'x3'x10"	3-#4 EW/T&B	96'-3"	1'-8"x1'-0"	4-#5	100'-0"	
F-2	3'x3'x10"	3-#4 EW/T&B	96'-3"	1'-8"x1'-0"	4-#5	100'-0"	
F-3	3.5'x3.5'x10"	3-#6 EW/T&B	96'-3"	1'-8"x1'-4"	4-#6	100'-0"	
F-4	4.5'x4.5'x12"	5-#6 EW/T&B	96'-3"	1'-8"x1'-4"	4-#6	100'-0"	
F-5	3'x3'x10"	3-#4 EW/T&B	96'-3"	1'-8"x1'-4"	4-#6	100'-0"	
F-6	3.5'x3.5'x10"	3-#6 EW/T&B	96'-3"	1'-8"x1'-4"	4-#6	100'-0"	
F-7	5'x5'x12"	7-#6 EW/T&B	100'-0"	—	—	—	
F-8	4'x4'x10"	6-#5 EW/T&B	96'-3"	1'-8"x1'-4"	4-#6	100'-0"	
F-9	3.5'x3.5'x10"	3-#6 EW/T&B	96'-3"	1'-8"x1'-4"	4-#6	100'-0"	
F-10	5'x5'x12"	7-#6 EW/T&B	100'-0"	—	—	—	
F-11	4'x4'x10"	6-#5 EW/T&B	96'-3"	1'-8"x1'-4"	4-#6	100'-0"	
F-12	3'x3'x10"	3-#4 EW/T&B	96'-3"	1'-8"x1'-0"	4-#5	100'-0"	
F-13	3.5'x3.5'x10"	3-#6 EW/T&B	96'-3"	1'-8"x1'-0"	4-#5	100'-0"	
F-14	3'x3'x10"	3-#4 EW/T&B	96'-3"	1'-8"x1'-0"	4-#5	100'-0"	

LEGEND

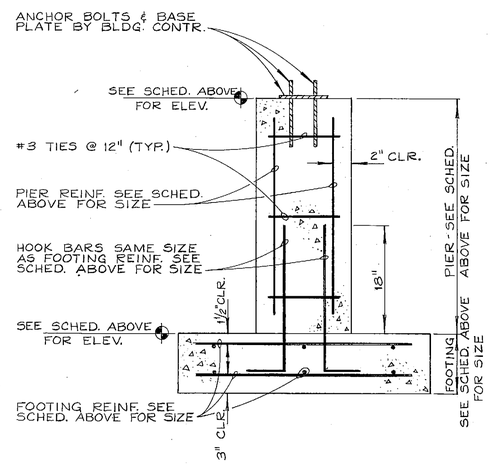
EW EACH WAY
T&B TOP & BOTTOM
REINF. REINFORCEMENT STEEL
ELEV. ELEVATION



2 PRECAST AT BEARING WALL
1-1/2" = 1'-0"



1 PRECAST BUTT JOINT
1-1/2" = 1'-0"



TYPICAL FOOTING & PIER DETAIL
NOT TO SCALE

REVISIONS							
NO.	DESCRIPTION	DATE	BY	NO.	DESCRIPTION	DATE	BY
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△				△			

FILE NO.	2414
SURVEYED BY	
DRAWN BY	
DATE	2-7-89
SCOPE I.D.	BBF40
SCALE	

PROJECT REVIEW

DESIGN	DATE	DESIGN	DATE
REVIEW	DATE	REVIEW	DATE

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Engineers / Architects

FITCHBURG UTILITY BUILDING

STRUCTURAL DETAILS

SHEET NO.
S-2

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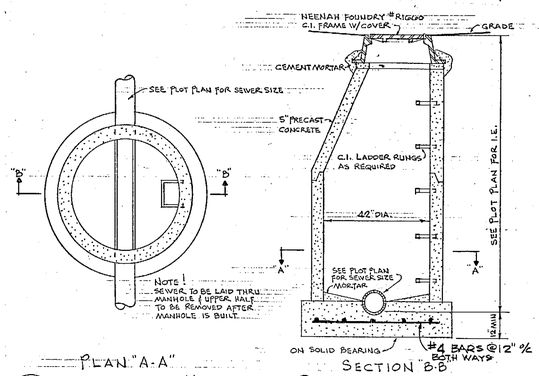
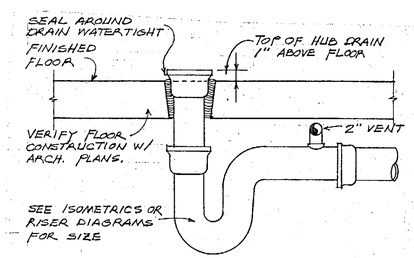
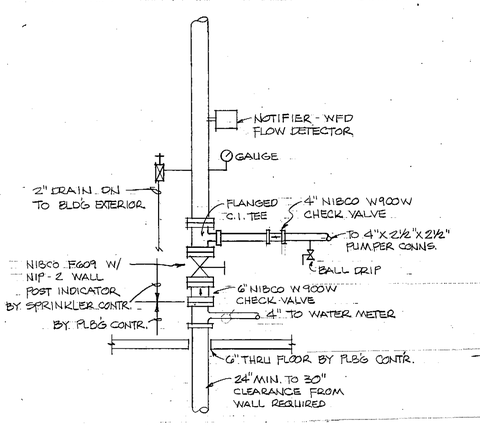


4 P-1 MANHOLE DETAIL NOT TO SCALE

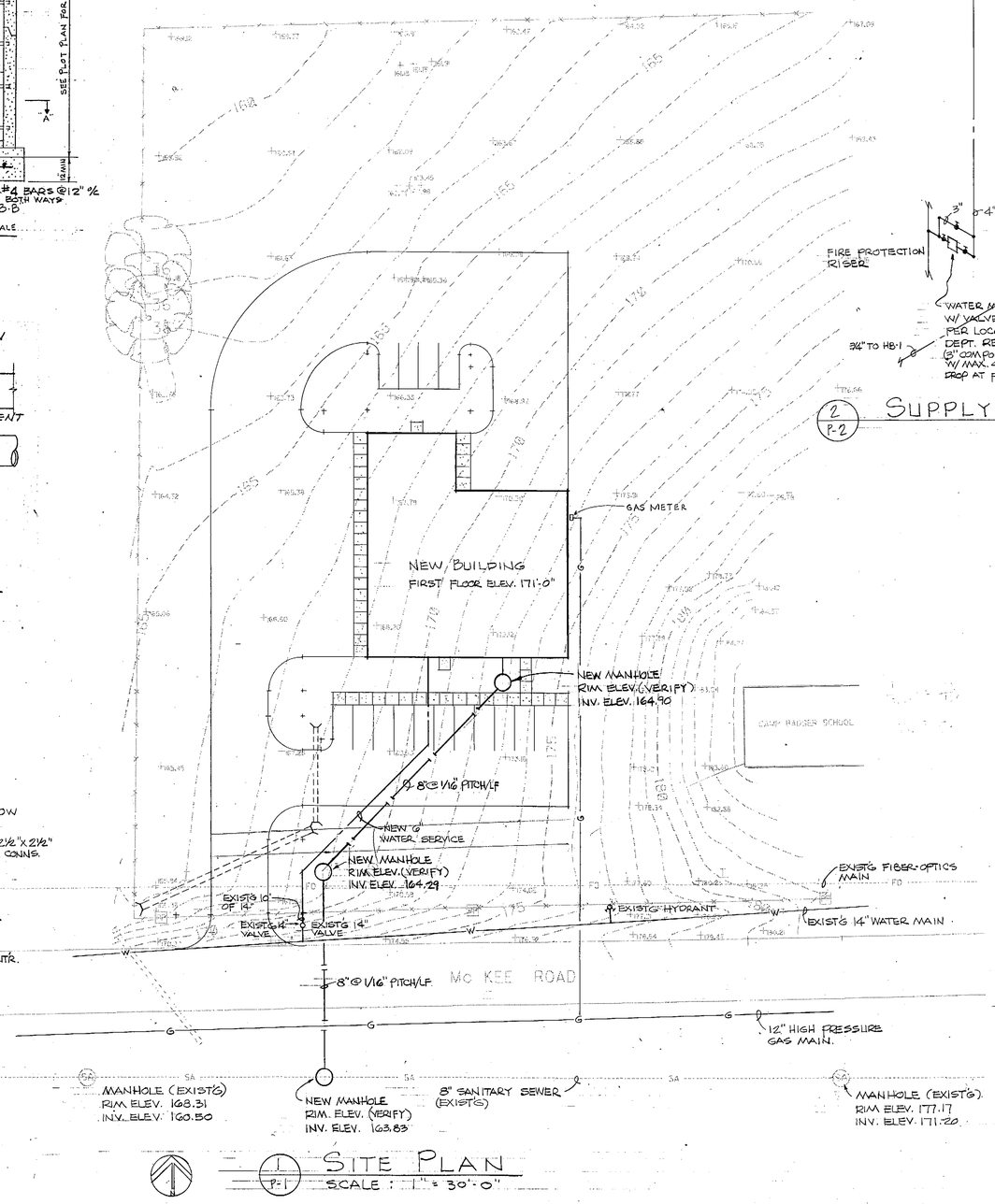


5 P-1 HUB DRAIN DETAIL NOT TO SCALE

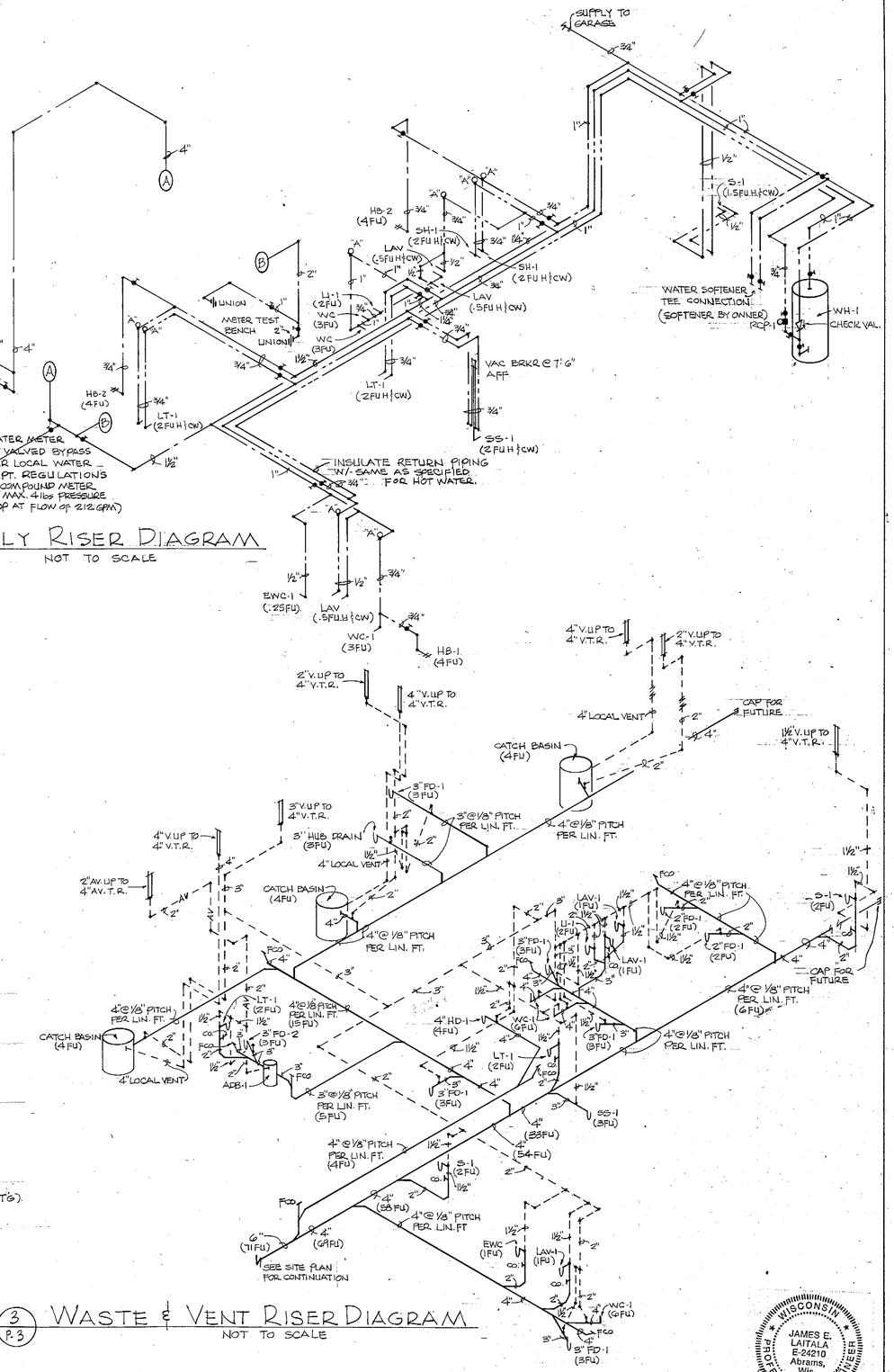


6 P-1 SPRINKLER RISER DETAIL NOT TO SCALE

WATER FLOW DATA
STATIC PRESSURE 63 PSI
RESIDUAL PRESSURE 54 PSI @ 1980 GPM
20 PSI @ 4600 GPM



1 P-1 SITE PLAN SCALE: 1" = 30'-0"



2 P-2 SUPPLY RISER DIAGRAM NOT TO SCALE

3 P-3 WASTE & VENT RISER DIAGRAM NOT TO SCALE

WISCONSIN JAMES E. LAITALA E-24210 Abrams, Wis. PROFESSIONAL ENGINEER

REVISIONS										
NO.	DESCRIPTION	DATE	BY	NO.	DESCRIPTION	DATE	BY	FILE NO.	2414	
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△				△				DRAWN BY		
△				△				DATE	2-7-89	
△				△				SCOPE I.D.	88F40	
								SCALE		

PROJECT REVIEW

DESIGN	J.E.L.	DATE 2/1/89	DESIGN	DATE
REVIEW		DATE	REVIEW	DATE

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FITCHBURG UTILITY BUILDING
6060 McKee Road Fitchburg, WI

SHEET NO. **P-1**

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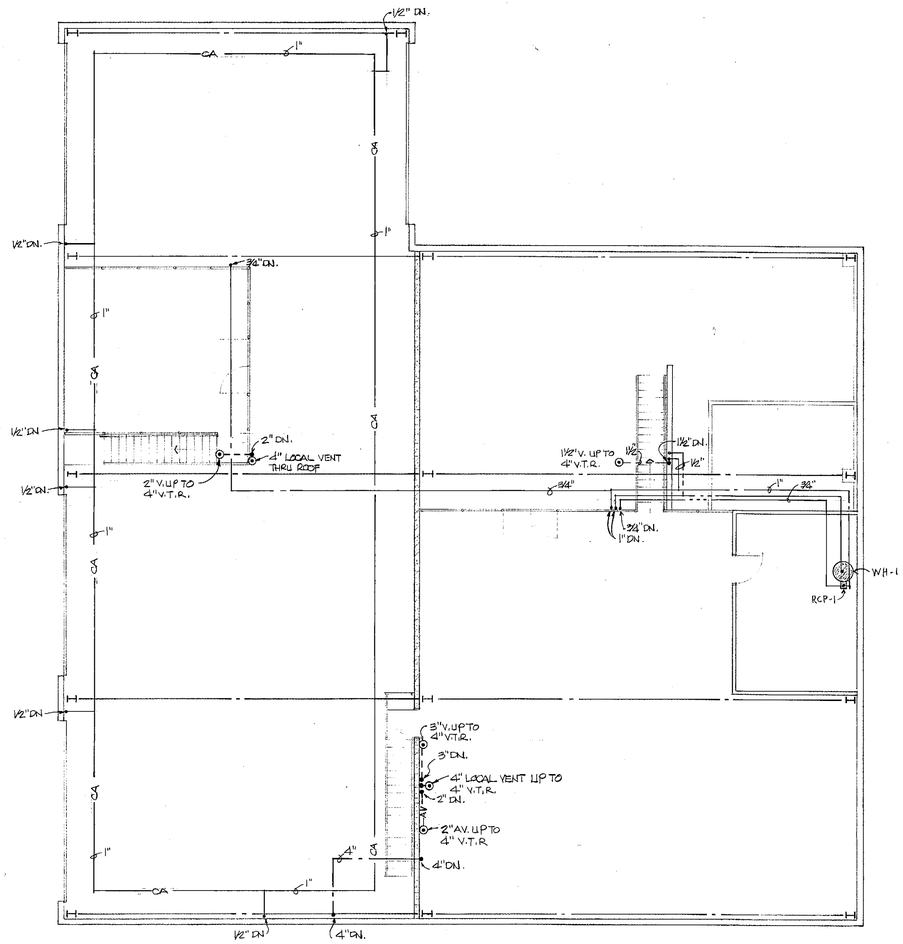
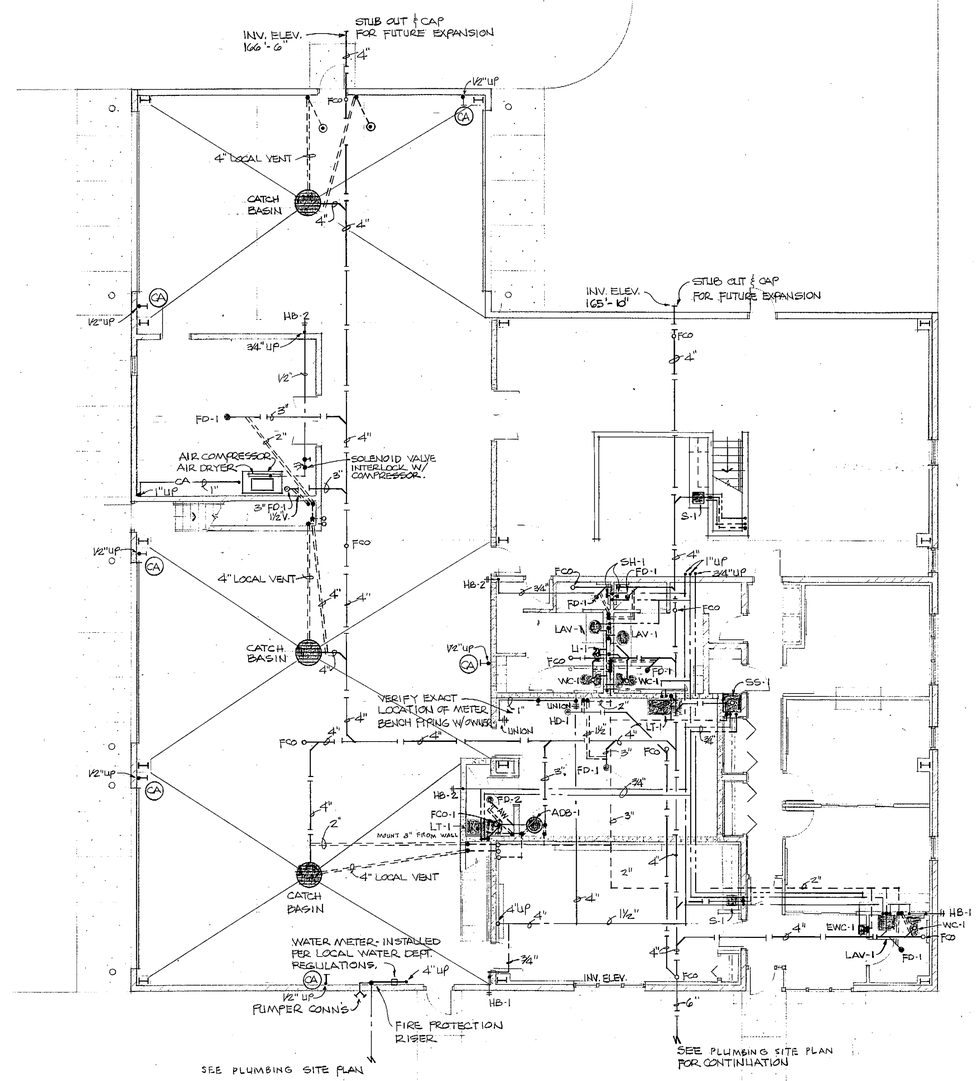


2 / P-2 UPPER LEVEL PLUMBING PLAN

1/8" = 1'-0"



1 / P-2 FIRST FLOOR PLUMBING PLAN

1/8" = 1'-0"

WISCONSIN JAMES E. LAITALA E-24210 Abrams, Wis. PROFESSIONAL ENGINEER

REVISIONS							
NO.	DESCRIPTION	DATE	BY	NO.	DESCRIPTION	DATE	BY
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△				△			
△				△			

FILE NO.	2414
SURVEYED BY	
DRAWN BY	
DATE	2-7-89
SCOPE I.D.	88F40
SCALE	

PROJECT REVIEW

DESIGN	J.E.L.	DATE 2/1/89	DESIGN		DATE
REVIEW		DATE	REVIEW		DATE

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FITCHBURG UTILITY BUILDING

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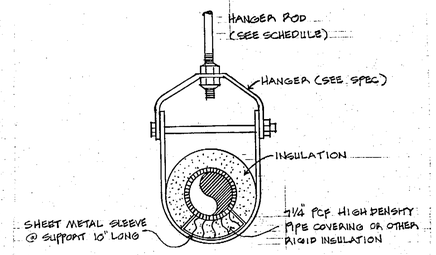
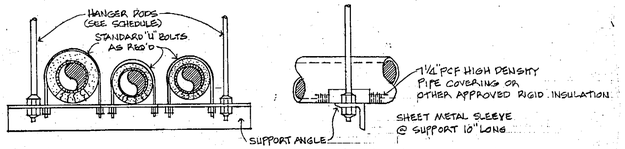


TYPICAL PIPING SUPPORT FOR ALL INSULATED PIPING

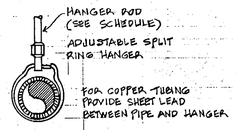
1 / P-3

NOTE!
AT PIPE SUPPORT OR HANGERS
FOR COPPER TUBE SIZES 2" AND LARGER
A HIGH DENSITY RIGID INSULATION SHALL BE USED



TRAPEZE HANGER DETAIL

5 / P-3



PIPING SUPPORT

6 / P-3

PIPE SIZE INCHES	SPACING FEET STEEL	SPACING FEET COPPER	HANGER ROD SIZE INCHES
½	5	6	⅜
¾	6	6	⅜
1	7	6	⅜
1¼	8	6	⅜
1½	9	10	⅜
2	10	10	⅜
2½	11	10	⅜
3	12	10	⅜

PIPE SUPPORT SCHEDULE

SYMBOL	A	B	C	D	E
MODEL NO.	75001	75002	75003	75004	75006

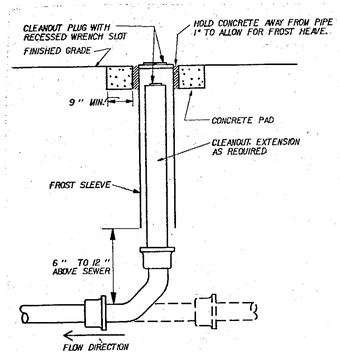
SHOCK ABSORBER SCHEDULE

MODEL NUMBERS BASED ON WOSAM
INSTALL PER MANUFACTURERS REQUIREMENTS

SYMBOLS	ABBR.	DESCRIPTION
	STM. S.	STORM SEWER
	SAN. S.	SANITARY SEWER OR DRAIN BELOW GRADE
	SAN. S.	SANITARY SEWER OR DRAIN ABOVE GRADE
	V.	VENT PIPE ABOVE GRADE
	V.	VENT PIPE BELOW GRADE
	CW.	COLD WATER
	HW.	HOT WATER
	HW.	HOT WATER WITH HEAT TAPE 120 DEGREES
	HW.	HOT WATER WITH HEAT TAPE 140 DEGREES
	H.W.R.	HOT WATER RECIRCULATING
	B.V.	BALL VALVE
	SA.	SHOCK ABSORBER
	CO. OR F.C.O.	CLEANOUT OR FLUSH CLEANOUT (NOTED)
(CA)	CA.	COMPRESSED AIR OUTLET
CA	CA.	COMPRESSED AIR PIPING
AV	AV.	ACID VENT PIPING
AW	AW.	ACID WASTE PIPING UPSTREAM OF ADB-1

KEY OF PLUMBING SYMBOLS

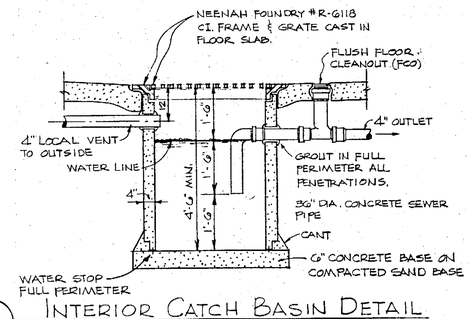
ACID PIPING TO BE FUSEAL, ENFIELD OR EQUAL.
THIS INCLUDES FITTINGS.



EXTERIOR CLEANOUT DETAIL

2 / P-3

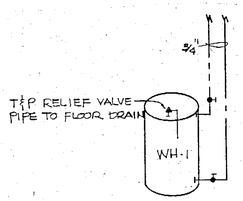
NOT TO SCALE



INTERIOR CATCH BASIN DETAIL

7 / P-3

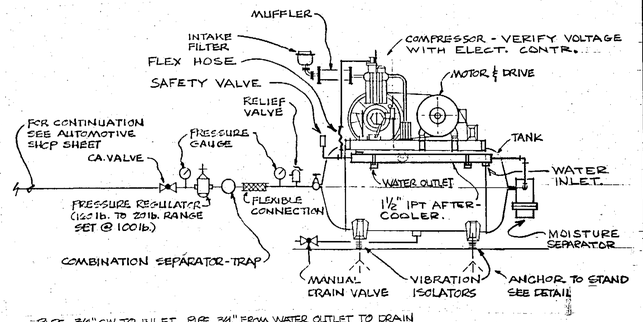
NOT TO SCALE



WATER HEATER DETAIL

3 / P-3

NOT TO SCALE



PIPE 3/4" CW TO INLET. PIPE 3/4" FROM WATER OUTLET TO DRAIN

AIR COMPRESSOR DETAIL

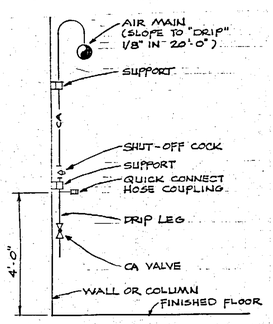
8 / P-3

NOT TO SCALE

PLUMBING FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION	MTG AFF	PIPING CONNECTIONS WASTE	VENT	C.W.	H.W.	FURNISHED BY	INSTALLED BY	REMARKS
WC-1	AMERICAN STANDARD	2109.100	FLUSH TANK TYPE WATER CLOSET	FLOOR	4"	1½"	½"		P.C.	P.C.	COLOR WHITE
	BEMIS	1955-C	SOLID PLASTIC OPEN FRONT SEAT						P.C.	P.C.	COLOR WHITE
U-1	AMERICAN STANDARD	6400.014	FLOOR TYPE URINAL	24" TO RIM	2"	1½"			P.C.	P.C.	COLOR WHITE
	SLOAN	186	FLUSH VALVE				¾"		P.C.	P.C.	
SS-1	MUSTEE	63	MOLDED STONE SERVICE SINK 24"X24"	FLOOR	3"	1½"			P.C.	P.C.	
	CHICAGO FAUCETS	911-15	SERVICE SINK FAUCET W/ VAC. BRKR	VAC. BRKR @ 7'-6"			¾"	¾"	P.C.	P.C.	
	MUSTEE	65.600 & 65.700	MOP HANGER & HOSE HOLDER						P.C.	P.C.	
FD-1	ZURN	415-ZN	FLOOR DRAIN	FLUSH					P.C.	P.C.	SEE PLAN FOR SIZE
FCO	ZURN	Z-1400-2-ZN	FLUSH FLOOR CLEANOUT	FLUSH					P.C.	P.C.	SEE PLAN FOR SIZE
WCO	ZURN	Z-1440-1	FLUSH WALL CLEANOUT	FLUSH					P.C.	P.C.	SEE PLAN FOR SIZE
RD-1	ZURN	Z-100ERC	ROOF DRAIN						P.C.	P.C.	SEE PLAN FOR SIZE
EWC-1	OASIS	OCP5M	ELECTRIC WATER COOLER	29" TO BOTT. EDGE					P.C.	P.C.	
SH-1	SYMMONS	1-801S	SURFACE MOUNTED STAINLESS STEEL SHOWER UNIT W/ PRESSURE BALANCING SHOWER VALVE	HEAD @ 6'-0"			½"	½"	P.C.	P.C.	
LAV-1	AMERICAN STANDARD	0076.027	VITREOUS CHINA SELF-RIMMING LAVATORY			1½"	1½"		P.C.	P.C.	COLOR WHITE
	SYMMONS	S-60-GH	METERING FAUCET W/ 4" CENTERS				½"	½"	P.C.	P.C.	
HB-1	WOODFORD	65	FREEZEPROOF HOSEBIBB				¾"		P.C.	P.C.	
WH-1	STATE INDUSTRIES	SR8-50-NADS-F	GAS FIRED WATER HEATER DIRECT VENT								48,000 BTU/HR INPUT
HD-1	ZURN	32100-Z	HUB DRAIN (SEE PLAN FOR SIZE)								
ADB-1	SCHIER	NT-30AE	ACID DILUTION BASIN	FLUSH	3"	2"					
FD-2	FUSEAL	7751.	ACID RESISTANT FLOOR DRAIN								SEE PLAN FOR SIZE

CONTRACTOR TO FURNISH ENOUGH LIMESTONE CHIPS TO FILL ADB-1 TWICE AFTER FIRST FILL.



(CA)

TYPICAL AIR DRIP

4 / P-3

NOT TO SCALE

WISCONSIN PROFESSIONAL ENGINEER JAMES E. LAITALA E-24210 Abrams, Wis.

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DRAWN BY	
DATE	2-7-89
SCOPE I.D.	88F40
SCALE	

PROJECT REVIEW: DESIGN J.B.L. DATE 2/7/89 DESIGN DATE; REVIEW DATE REVIEW DATE

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FITCHBURG UTILITY BUILDING
6060 McKee Road Fitchburg, WI

SHEET NO. P-3

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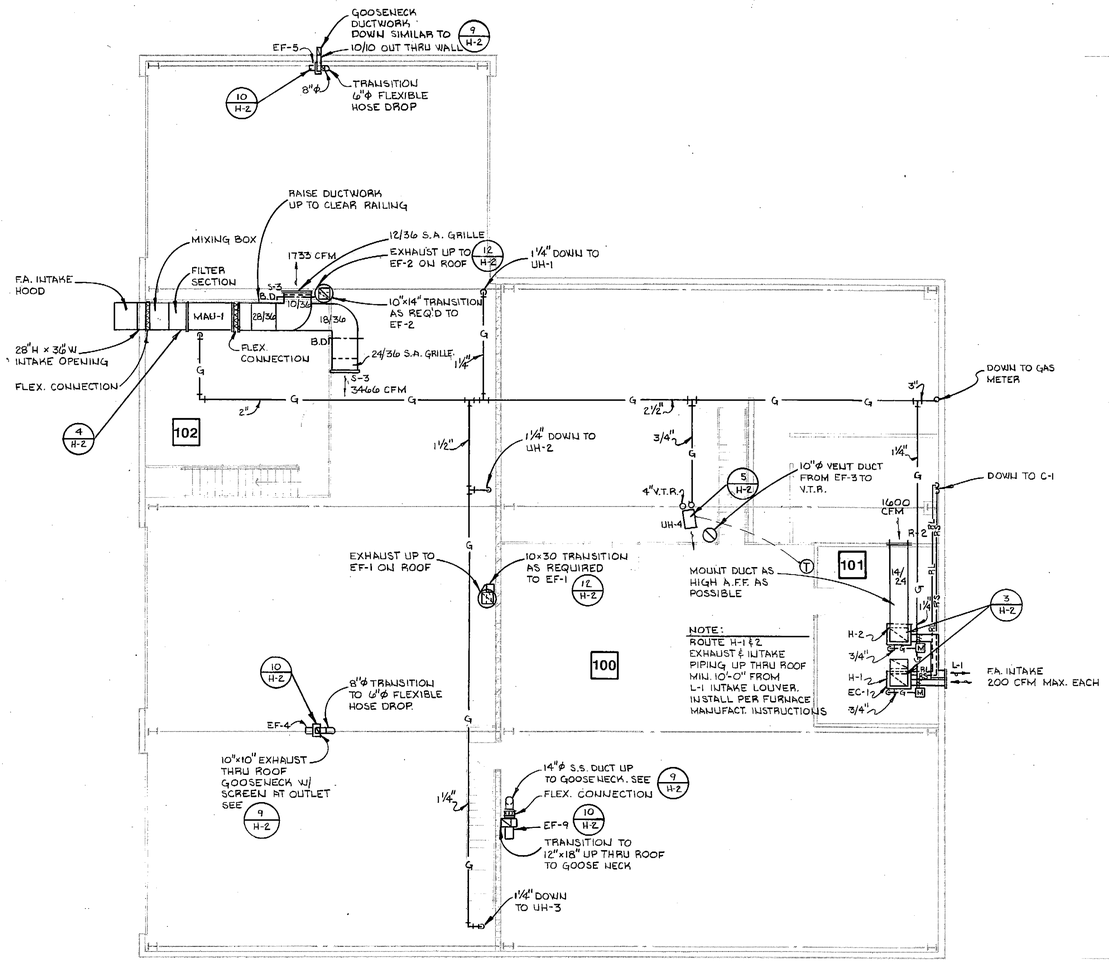

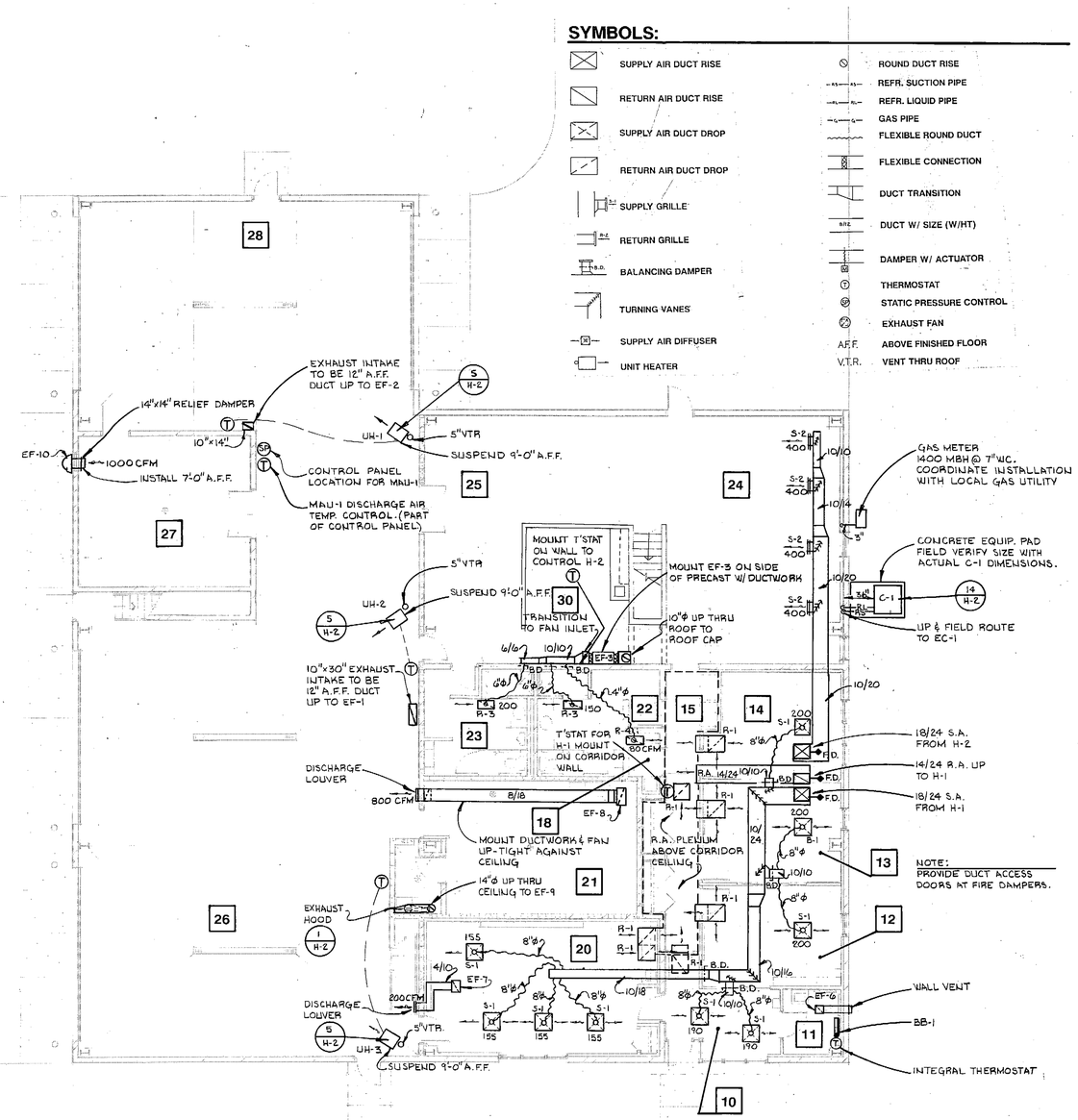

N

1 **UPPER LEVEL PLAN - H.V.A.C.**

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

2 **MAIN FLOOR PLAN - H.V.A.C.**

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

REVISIONS							
NO.	DESCRIPTION	DATE	BY	NO.	DESCRIPTION	DATE	BY
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FILE NO.	2414
SURVEYED BY	
DRAWN BY	PDP1
DATE	2-7-89
SCOPE I.D.	88F40
SCALE	AS NOTED

PROJECT REVIEW

DESIGN	DATE	DESIGN	DATE
REVIEW	DATE	REVIEW	DATE

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FITCHBURG UTILITY BUILDING

H.V.A.C. PLAN - BASE BID

SHEET NO. **H-1**

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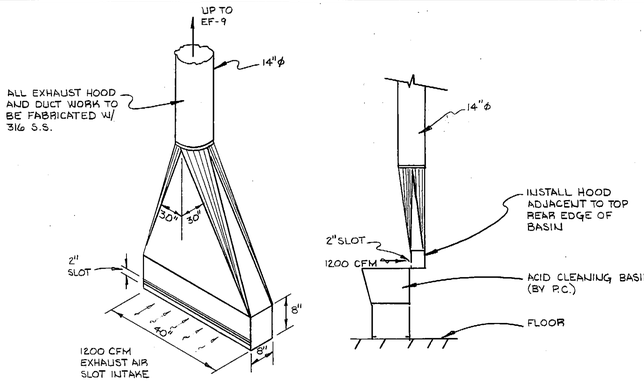
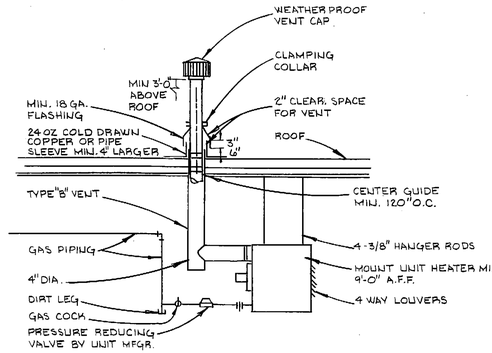
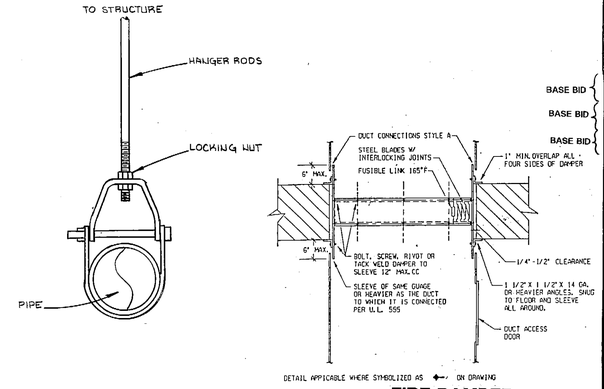


1 / H-2 ACID CLEANING EXHAUST HOOD DETAIL
NOT TO SCALE



5 / H-2 UNIT HEATER DETAIL
NOT TO SCALE



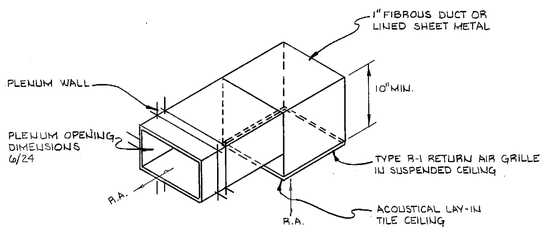
8 / H-2 CLEVIS HANGER PIPE SUPPORTS
NOT TO SCALE

11 / H-2 FIRE DAMPER AT FLOOR DETAIL

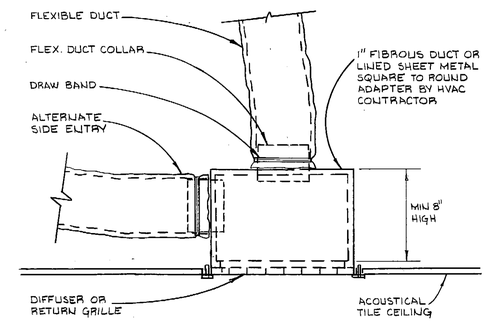
NOTE:
GOOSENECK MATERIAL TO VARY WITH APPLICATION. USE 316 STAINLESS STEEL FOR EF-9, USE STANDARD SHEET METAL EF-4 & EF-5 EXHAUST. ALL GOOSENECKS TO BE WELDED, AIR & WATERTIGHT AND PRIME COATED & READY FOR FINAL FINISH.

mech. equip. schedule

	i.d.	description	manf.	model	elec. data	remarks
BASE BID	UH-1	Gas Fired Unit Heater Input: 240 MBH Output: 192 MBH	Reznor	CEEXL 250	7.3A, 115V 1/4 H.P.	W/Thermostat & 4-way Louvers
BASE BID	UH-2	Gas Fired Unit Heater Input: 220 MBH Output: 176 MBH	Reznor	CEEXL 225	6.4A, 115V 1/6 H.P.	W/Thermostat & 4-way Louvers
BASE BID	UH-3	Gas Fired Unit Heater Input: 220 MBH Output: 176 MBH	Reznor	CEEXL 225	6.4A, 115V 1/6 H.P.	W/Thermostat & 4-way Louvers
	EF-1	Belt Drive Centrifugal Roof Mount Exhaust Fan 1600 CFM @ 0.375" SP	Greenheck	GB-14-4	1/3 H.P., 115V	W/Backdraft Damper
	EF-2	Belt Drive Centrifugal Roof Mount Exhaust Fan 800 CFM @ 0.375" SP	Greenheck	GB-9-4	1/6 H.P., 115V	W/Backdraft Damper
	MAU-1	Direct Fired Make-up Air Unit. 5000 CFM @ 0.5"E.S.P. Heat Output: 506 MBH	Weather - Rite	TOT 115	3 H.P. 208V 3 phase	W/Intake Hood, Mixing Box, Filter Section
	EF-3	Centrifugal Inline Fan 430 CFM @ 1/2" SP	Greenheck	CSP-60	5.0A, 115V	W/Intergral Backdraft Damper
	EF-4	Utility Fan 800 CFM @ 1-3/4" SP	Pearless	105D	1/2 H.P. 208V,3ϕ	W/Automatic Discharge Shutter & Belt Guard
	EF-5	Utility Fan 800 CFM @ 1-3/4" SP	Pearless	105D	1/2 H.P. 208V,3ϕ	W/Automatic Discharge Shutter & Belt Guard
	C-1	Condensing Unit Cooling Capacity: 47,500 BTUH	Lennox	HS16-511V	208V,1 phase 50A Cir. Bkr. 32A Circuit	W/Timed Off Control
	EC-1	Evaporator Coil Down Flow	Lennox	CR16-51-FF	-	Expansion Valve Kit LB-53081CC
	H-1	Gas Fired Downflow Furance 1600 CFM @ 0.75" SP	Lennox	GSR14Q4/5-80	3/4 H.P., 115V	Htg. Input: 80 MBH Htg. Output: 72 MBH
	H-2	Gas Fired Downflow Furance 1600 CFM @ 0.75" SP	Lennox	GSR14Q4/5-80	3/4 H.P., 115V	Htg. Input: 80 MBH Htg. Output: 72 MBH
	EF-6	Toilet Room Exhaust Fan 96 CFM @ .10" SP	Greenheck	SP-8	.60A, 115V	W/Wall Cap Vent WCSP
	EF-7	Conf. Rm. Exhaust Fan 200 CFM @ .125" SP	Greenheck	SP-25	1.0A, 115V	W/Speed Control & WLSP Wall Discharge
	EF-8	Test Room Ventilation Fan 800 CFM @ .375" SP	Greenheck	SP-60	5.0A, 115V	W/Speed Control & WL-60 Wall Discharge
	EF-9	Hood Exhaust Fan 1200 CFM @ 1-1/4" SP	Pearless	105E	3/4 H.P. 208V,3ϕ	W/Heresite Coating
	EF-10	Wall Exhaust Fan 1000 CFM @ 3/8" SP	Greenheck	GWB 14-4	1/4 H.P., 115V	W/14"x14" Relef. Damper
	BB-1	Electric Baseboard Htr.	Cadet	2 Ft. @ 250 WFt.	500W @ 208V	W/Integral Thermostat
	UH-4	GAS FIRED UNIT HTR. INPUT 30 MBH OUTPUT 24.9 MBH	REZNOR	CEEXL 30	2.3A,115V 1/30 H.P.	W/THERMOSTAT 4-WAY LOUVERS.

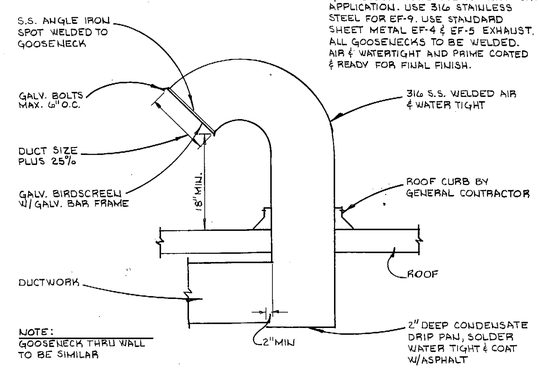


2 / H-2 FIELD FABRICATED R.A. ROOM TO PLENUM TRANSFER
NOT TO SCALE



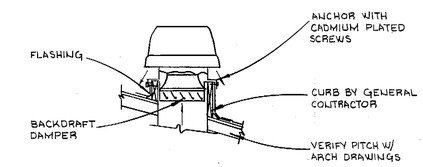
NOTE:
FOR ROOMS WITH UNFINISHED CEILINGS MOUNT ADAPTER ASSEMBLY EXPOSED.

6 / H-2 FIELD FABRICATED SQUARE TO ROUND GRILLE CONNECTION DETAIL
NOT TO SCALE



NOTE:
GOOSENECK THRU WALL TO BE SIMILAR

9 / H-2 RECTANGULAR GOOSENECK DETAIL
NOT TO SCALE



12 / H-2 ROOF VENTILATOR DETAIL
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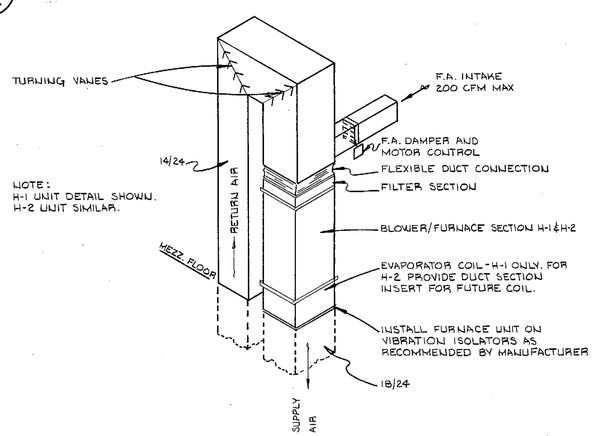

3 / H-2 FURNACE SYSTEM DETAIL
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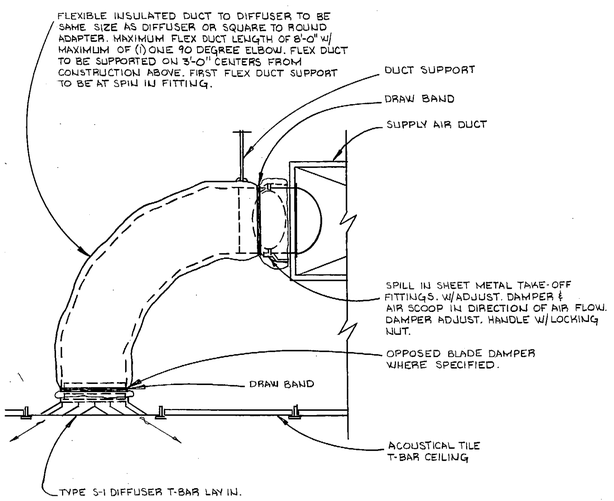
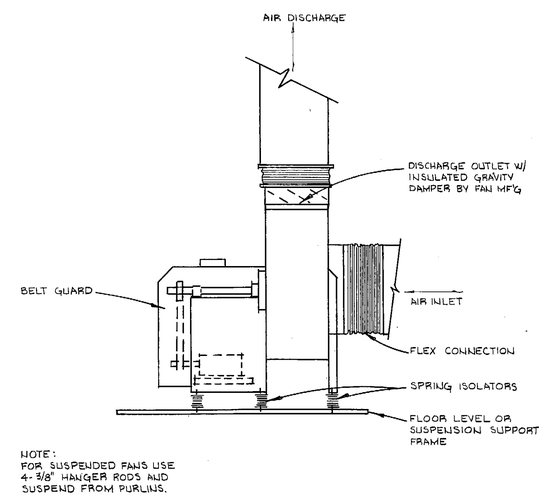


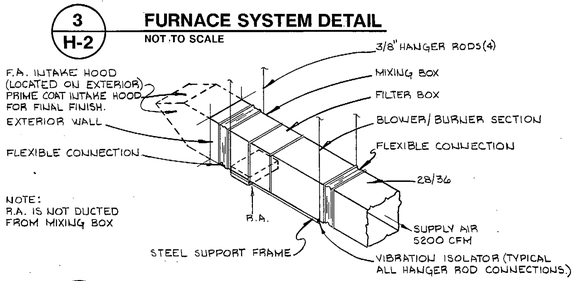
7 / H-2 BRANCH DUCT TAKE-OFF & DIFFUSER INSTALLATION DETAIL
NOT TO SCALE



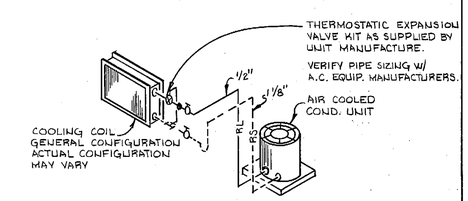
NOTE:
FOR SUSPENDED FANS USE 4-3/8" HANGER RODS AND SUSPEND FROM PURLINS.

10 / H-2 UTILITY EXHAUST FAN DETAIL
NOT TO SCALE

13 / H-2 ROOF CAP TYPE VENT DETAIL
NOT TO SCALE



4 / H-2 MAKE-UP AIR SYSTEM DETAIL



14 / H-2 AIR COOLED CONDENSING UNIT & COOLING COIL CONNECTION DETAIL
NOT TO SCALE

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SCOPE I.D.	BBF40
SCALE	AS NOTED

PROJECT REVIEW

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FITCHBURG UTILITY BUILDING

H.V.A.C. DETAILS / SCHEDULES

SHEET NO. **H-2**

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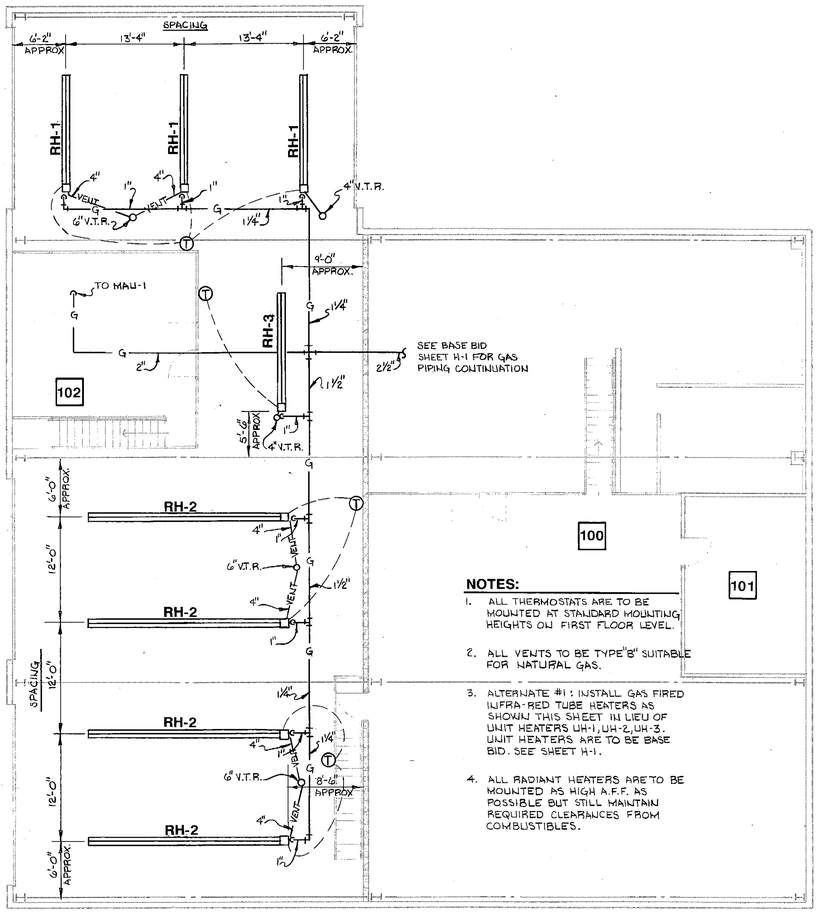
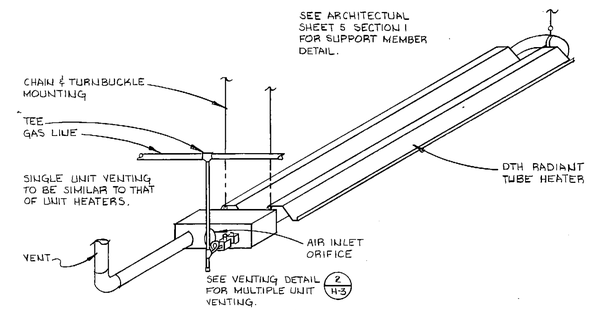
mech. equip. schedule — ALTERNATE #1 BID

i.d.	description	manf.	model	elec. data	remarks
RH-1	Gas Fired Infra-Red Radiant Tube Type Heater output: 75,000 BTUH ea.	Detroit Radiant Producrs Co.	DTH 20 - 75N	4.8A, 115V	3 Units Req'd
RH-2	Gas Fired Infra-Red Radiant Tube Type Heater output: 100,000 BTUH ea.	Detroit Radiant Products Co.	DTH 40 - 100N	4.8A, 115V	4 Units Req'd
RH-3	Gas Fired Infra-Red Radiant Tube Type Heater output: 40,000 BTUH ea.	Detroit Radiant Products Co.	DTH 20 - 40N	4.8A, 115V	1 Unit Req'd



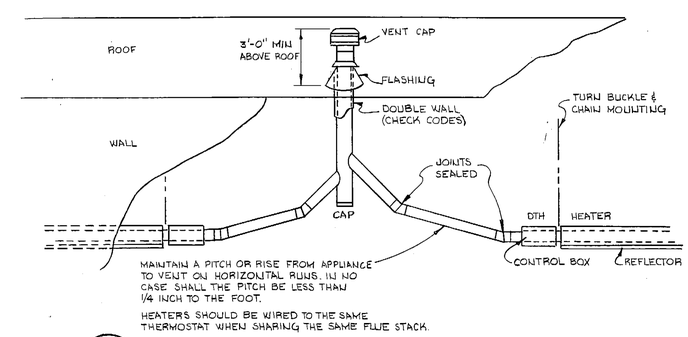
1 UPPER LEVEL PLAN ALTERNATE #1 BID - RADIANT HEAT

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



1 H-3 RADIANT HEATER DETAIL

NOT TO SCALE



2 H-3 GAS FIRED INFRA-RED UNIT VENTING DETAIL

NOT TO SCALE

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PROJECT REVIEW

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FITCHBURG UTILITY BUILDING

H.V.A.C. - ALTERNATE #1 PLAN / SCHEDULE / DETAILS

SHEET **H**

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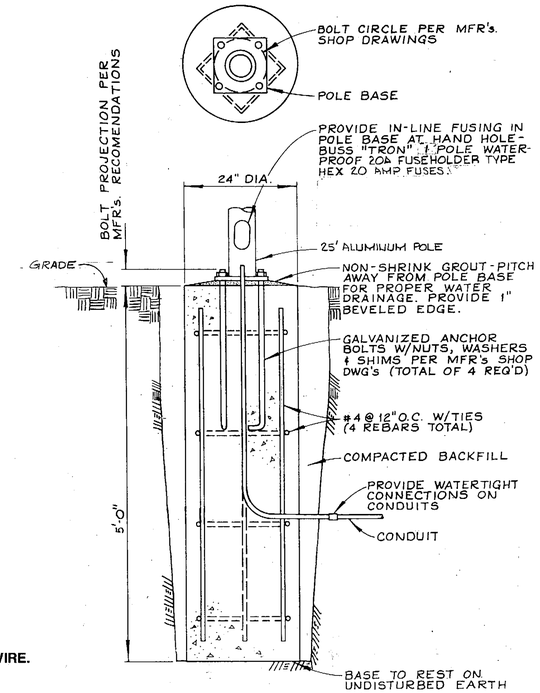
SYMBOLS

- FLUORESCENT FIXTURE
- INCANDESCENT OR H.I.D. FIXTURE
- RECESSED INCANDESCENT OR H.I.D. FIXTURE
- SINGLE POLE SWITCH
- THREE WAY SWITCH
- DUPLEX GROUNDED RECEPTACLE
- DUPLEX GROUNDED RECEPTACLE - COUNTER HEIGHT OR 48" A.F.F. WHERE NO COUNTER EXISTS, SEE SPECIFICATION.
- SPECIAL OUTLET 250V, 50A, 2P, 3W HUBBELL #9367 W/ #9368 PLUG.
- MOTOR OR SPECIAL OUTLET
- TELEPHONE OUTLET
- HEAT DETECTOR
- FIRE ALARM STATION
- FIRE ALARM SIGNAL WITH STROBE
- JUNCTION BOX
- DISCONNECT SWITCH
- DATA LINE OUTLET, 3/4"C TO TELEPHONE PANEL W/#12 INSULATED GND. WIRE.
- SWITCHED CIRCUIT
- BRANCH CIRCUIT
- K — "OPEN-STOP-CLOSE" OVERHEAD DOOR SWITCH FOR MOTOR OF SAME NO., FURNISHED BY OTHERS, INSTALLED AND WIRED BY E.C. K INDICATES KEY OPERATED.
- E.C. — ELECTRICAL CONTRACTOR
- W.P. — WEATHERPROOF
- A.F.F. — ABOVE FINISHED FLOOR
- A.F.G. — ABOVE FINISHED GRADE
- FA\CP — FIRE ALARM CONTROL PANEL
- DOUBLE THROW SAFETY SWITCH, NOT FUSIBLE, 240V, 2 POLE, 30A.
- P — PHOTOELECTRIC CONTROL, TORK MODEL 2001 OR EQUAL.
- 8" FIRE ALARM BELL
- M — START/STOP PUSHBUTTON, MAINTAINED CONTACT FOR MOTOR OF SAME NUMBER.
- MC — MECHANICAL CONTRACTOR
- MAN — MANUAL STARTER
- MAG — MAGNETIC STARTER
- OU — ON UNIT
- NU — NEAR UNIT
- PW — PREWIRED
- CB — CIRCUIT BREAKER
- CRKT — CIRCUIT
- SPD — SPEED
- SW — SWITCH



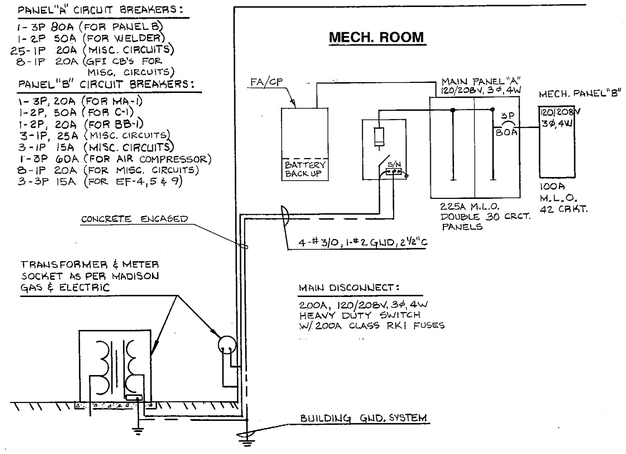
DETAIL NO.1
CONCRETE BASE DETAIL FOR POLE LIGHTS

NOT TO SCALE

FIXTURE SCHEDULE

TYPE	LAMPS NO.	LAMPS ORD. ABBR.	DESCRIPTION	MFR.	CAT. NO.	DIFFUSER OR SHEILDING	FINISH	MOUNTING
A	2	F40T12/LW RS/WM II	FLUORESCENT TROFFER	LITHONIA	2SP-G-240-A12-120-ES	ACRYLIC PRISMATIC	WHITE BAKED ENAMEL	FLUSH WITH CEILING
B	1	40W A19	RECESSED SHOWER LIGHT	PROGRESS	P6-TG WITH P6624	WHITE ACRYLIC		RECESSED
C	2	F40T12/LW RS/WM II	FLUORESCENT INDUSTRIAL WITH 10% UPLIGHT	LITHONIA	AF10-240 120-ES (4 W/BT PREFIX)	NONE	WHITE BAKED ENAMEL	CHAIN HUNG 8' A.F.F.
D	2	F40T12/LW RS/WM II	GENERAL PURPOSE FLUORESCENT INDUSTRIAL	LITHONIA	EJ-2-40 120-ES	NONE	WHITE BAKED ENAMEL	CHAIN HUNG, 10' AFF IN GARAGE, 8' AFF ELSEWHERE
E	1	MVR 250 C/U	HIGH BAY ENCLOSED METAL HALIDE	LITHONIA	TE 250M-E17W-120-SF-LCP3	TEMPERED GLASS	SPUN ALUMINUM	HOOK-CORD-PLUG & RECEPTACLE 16' A.F.F.
F	1	MVR 400 C/U	HIGH BAY ENCLOSED METAL HALIDE	LITHONIA	TE400-E17W 120-SF-LCP3	TEMPERED GLASS	SPUN ALUMINUM	HOOK-CORD-PLUG & RECEPTACLE 16' A.F.F.
G	1	MVR 175 U	METAL HALIDE WALL MOUNT	GARDCO	WE-14-1-FM 120-175 MH BRA-POLY	POLYCARBONATE	DARK BRONZE	WALL ABOVE DOORS, 15' AFG
H	1	MVR 250 U	METAL HALIDE WALL MOUNT	GARDCO	WE-19-1-FM 120-250MH BRA-PC-POLY	POLYCARBONATE	DARK BRONZE	WALL ABOVE DOORS, 15' AFG
I	1	MVR400 U	METAL HALIDE POLE MOUNTED AREA LIGHT ‡	GARDCO	H-19-2-3 120-400 MH BRP-POLY	POLYCARBONATE	DARK BRONZE	POLE MOUNT 25' AFG
EL			EMERGENCY LIGHTING PACKAGE IN LITHONIA FLUORESCENT FIXTURES	LITHONIA	ADD "EL" FIXTURE CAT. N.			IN FIXTURE BY MANUFACTURER
ELB	2	H7553 PAR-36	SELF CONTAINED EMERGENCY LIGHT	LITHONIA	ELU-2C	SEALED BEAM	STEEL HOUSING	WALL 8' A.F.F.
EX	2	F4/T5	SINGLE FACE EXIT LIGHT	MARCO	X2591BP	STENCIL FACE	RED LETTERS ON WHITE	WALL 7' A.F.F.

‡ PROVIDE: 2-25' GARDCO ALUMINUM POLES, CAT # CAS-25H DARK BRONZE.



POWER SINGLE LINE
NOT TO SCALE

MOTOR & SPECIAL OUTLET SCHEDULE

MTR. NO.	DESCRIPTION	LOCATION	KW.	H.P.	VOLT	Φ	CKT. NO.	BKR./FUSE POLE	BKR./FUSE AMP.	STARTER TYPE	STARTER WIRING BY	STARTER LOC.	CONTROL TYPE	CONTROL WIRING BY	CONTROL LOC.	REMARKS
UH-1	UNIT HEATER	GARAGE		1/4	115	1	B-1	1	20	MAG.	EC	NU	THERMOSTAT	MC	GARAGE	BASE BID
UH-2	UNIT HEATER	GARAGE		1/6	115	1	B-19	1	20	MAG.	EC	NU	THERMOSTAT	MC	GARAGE	BASE BID
UH-3	UNIT HEATER	GARAGE		1/6	115	1	B-19	1	20	MAG.	EC	NU	THERMOSTAT	MC	GARAGE	BASE BID
EF-1	ROOF EXHAUST	ROOF		1/3	115	1	B-2	1	20	MAN.	EC	SEE PLAN	—	—	—	SEE NOTE 2
EF-2	ROOF EXHAUST	GARAGE		1/4	115	1	B-3	1	15	MAN.	EC	SEE PLAN	—	—	—	SEE NOTE 2
MA-1	MAKE-UP AIR UNIT	TOOL RM. MEZZ.		3	208	3	B-7	3	20	MAG.	PW	OU	INTERLOCK W/ EF-1 & EF-2			SEE NOTE 1
EF-3	CENTRIFUGAL FAN	ABOVE BREAK RM.		FRAC.	115	1	B-4	1	15	—	—	—	TIME CLOCK	MC	MECH. RM.	SEE NOTE 2
EF-4	UTILITY FAN	GARAGE		1/2	208	3	B-5	3	15	MAN.	EC	SEE PLAN	—	—	—	
EF-5	UTILITY FAN	GARAGE		1/2	208	3	B-6	3	15	MAN.	EC	SEE PLAN	—	—	—	
C-1	CONDENSING UNIT	PAD MOUNT	6.0		208	1	B-13	2	50	MAG.	PW	OU	THERMOSTAT	MC	OFFICE	
H-1	DOWN FLOW FURNACE	MECH. RM.		3/4	115	1	B-10	1	25	MAG.		OU	THERMOSTAT	MC	OFFICE	
H-2	DOWNFLOW FURNACE	MECH. RM.		3/4	115	1	B-8	1	25	MAG.		OU	THERMOSTAT	MC	BREAK RM.	
EF-6	TOILET FAN	TOILET RM.		FRAC.	115	1	OFF LTG CKT			—	—	—	LIGHT SWITCH	EC	TOILET RM.	
EF-7	CONF. EXHAUST FAN	CONF. RM.		FRAC.	115	1	B-12	1	20	—	—	—	SPD. SWITCH	EC	CONF. RM.	SPD. SW. BY MC. SEE NOTE 2
EF-8	TEST ROOM VENTILATOR	TEST RM.		FRAC.	115	1	B-12	1	20	—	—	—	SPD. SWITCH	EC	TEST RM.	SPD. SW. BY MC. SEE NOTE 2
EF-9	HOOD EXHAUST	MEZZ.		3/4	208	3	B-15	3	15	MAN.	EC	SEE PLAN	—	—	—	
EF-10	WALL EXHAUST	TOOL RM.		1/4	115	1	B-16	1	15	MAN.	EC	SEE PLAN	TANK VALVE	—	—	SEE NOTE 2
	AIR COMPRESSOR	TOOL RM.		10	208	3	B-18	3	60	MAG.	EC	TOOL RM.	——	EC	ON	NEMA SIZE 2 STARTER W/208V COIL.
BB-1	BASEBOARD HEATER	TOILET RM.	0.5		208	1	B-14	2	20	—	—	—	INTEGRAL THERMOSTAT	PW	OU	
RH	RADIANT HEATERS 1,2 & 3 (ALTERNATE BID)	GARAGE	0.1 EA.		115	1	3 CRKT's	1	20	MAG.	EC	OU	THERMOSTAT	MC	GARAGE	ALTERNATE BID - 1 SEE MECH. SHT. H-3
	WELDER RECEPTACLE	TOOL ROOM & MAIN BAY	10.4		208	1	A-24	2	50							250V, 50A, 2P, 3W HUBBELL #9367
UH-4	UNIT HEATER	ABOVE BREAK RM.		1/20	115	1	B-1	1	20	MAG.	E.C.	N.U.	THERMOSTAT	MC	MEZZ.	

NOTE #1 - MA-1 DISCONNECT AND STARTER FURNISHED ON UNIT BY MC. MA-1 TO OPERATE WHEN EF-1 AND/OR EF-2 ARE OPERATING.

NOTE #2 - DISCONNECT ON UNIT BY MC.

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PROJECT REVIEW

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REVIEW		DATE	REVIEW		DATE

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FITCHBURG UTILITY BUILDING

SYMBOLS AND SCHEDULES

SHEET NO. **E-1**

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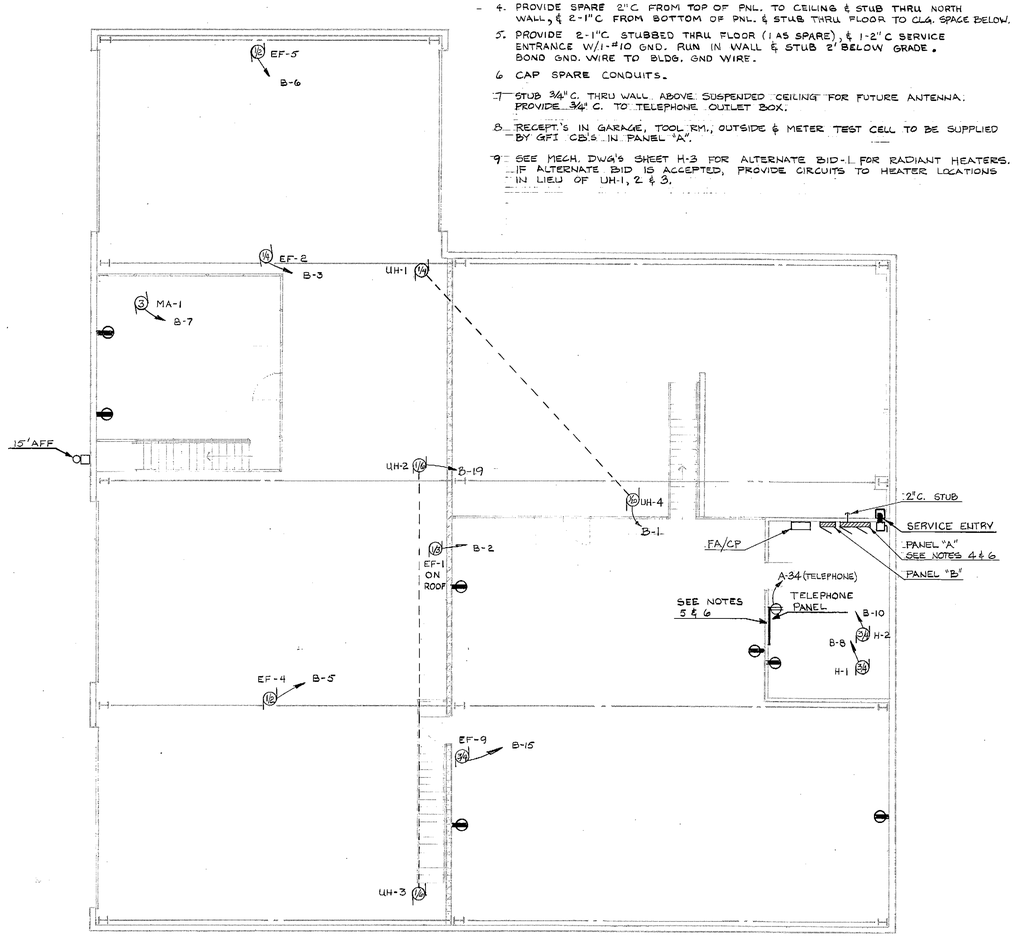
NOTES:

1. CIRCUITS TO RECEPT'S NOT SHOWN, PROVIDE CIRCUITS BACK TO PANEL "A" (MAX. OF 3 RECEPT.'S/CRKT. IN SHOP, TOOL RM. & GARAGE; 6 RECEPT.'S MAX./CRKT. ELSEWHERE).
2. FIRE ALARM CIRCUITS NOT SHOWN. PROVIDE CIRCUITS BACK TO FA/CP PNL. RACEWAY SHALL BE 1/2".
3. TELEPHONE RACEWAY NOT SHOWN, PROVIDE 3/4"C FROM OUTLET TO SPACE ABOVE CEILING IN FINISHED AREAS, & 3/4"C FROM OUTLET TO PNL. IN UNFINISHED AREAS.
4. PROVIDE SPARE 2"C FROM TOP OF PNL. TO CEILING & STUB THRU NORTH WALL, & 2-1"C FROM BOTTOM OF PNL. & STUB THRU FLOOR TO CLG. SPACE BELOW.
5. PROVIDE 2-1"C STUBBED THRU FLOOR (1 AS SPARE), & 1-2"C SERVICE ENTRANCE W/1-#10 GND. RUN IN WALL & STUB 2' BELOW GRADE. BOND GND. WIRE TO BLDG. GND WIRE.
6. CAP SPARE CONDUITS.
7. STUB 3/4"C. THRU WALL ABOVE SUSPENDED CEILING FOR FUTURE ANTENNA. PROVIDE 3/4" C. TO TELEPHONE OUTLET BOX.
8. RECEPT.'S IN GARAGE, TOOL RM., OUTSIDE & METER TEST CELL TO BE SUPPLIED BY GFI CB.'S IN PANEL "A".
9. SEE MECH. DWG'S SHEET H-3 FOR ALTERNATE BID-1. FOR RADIANT HEATERS. IF ALTERNATE BID IS ACCEPTED, PROVIDE CIRCUITS TO HEATER LOCATIONS IN LIEU OF UH-1, 2 & 3.



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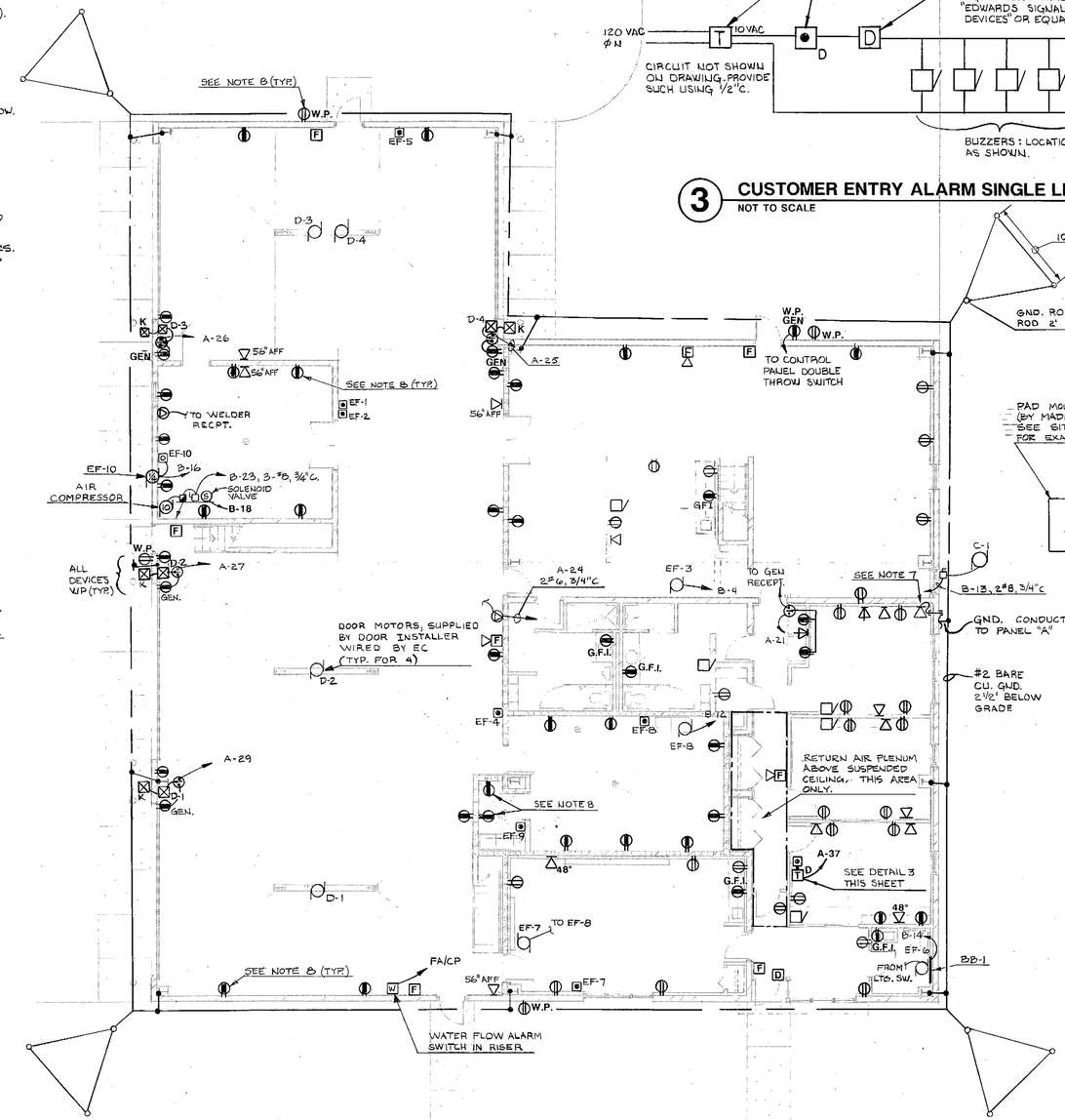
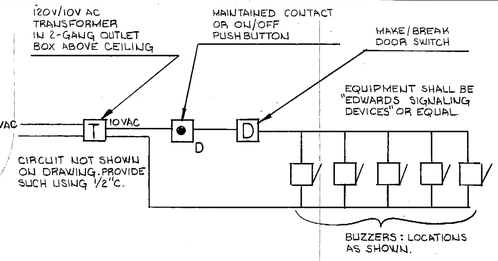
1 UPPER LEVEL PLAN - ELECTRICAL

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





3 CUSTOMER ENTRY ALARM SINGLE LINE

NOT TO SCALE

2 MAIN FLOOR PLAN - ELECTRICAL

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

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								SCALE	AS NOTED	REVIEW	DATE

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FITCHBURG UTILITY BUILDING

POWER PLAN

SHEET NO. E-2

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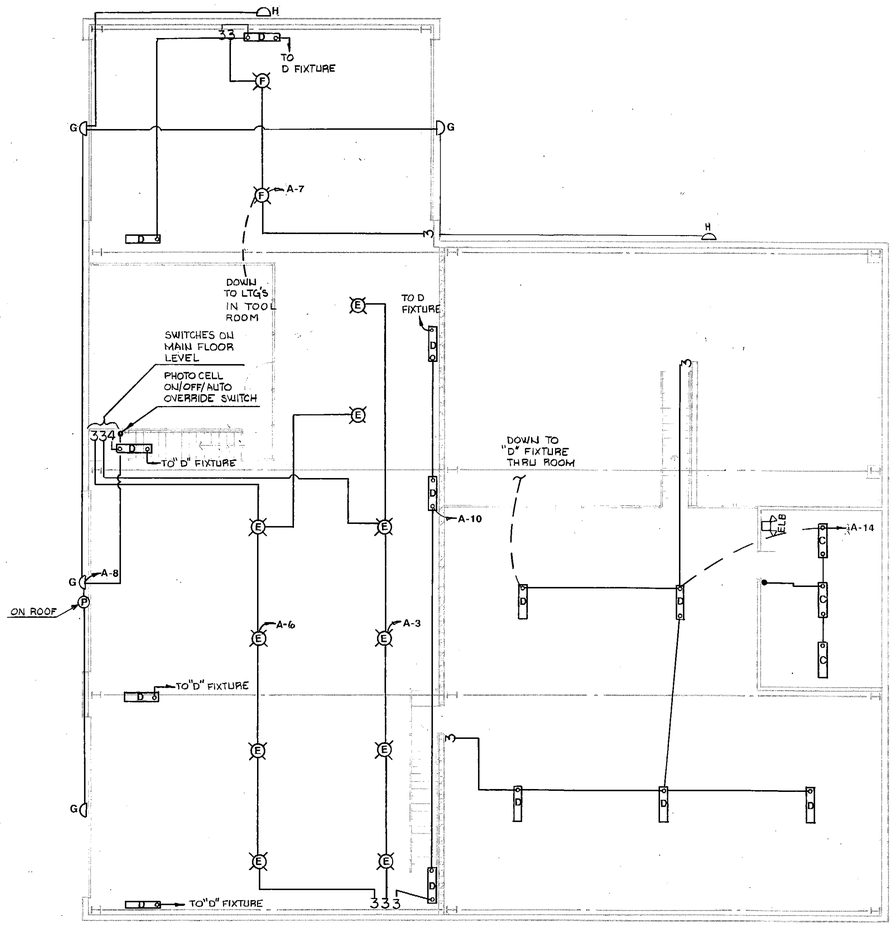
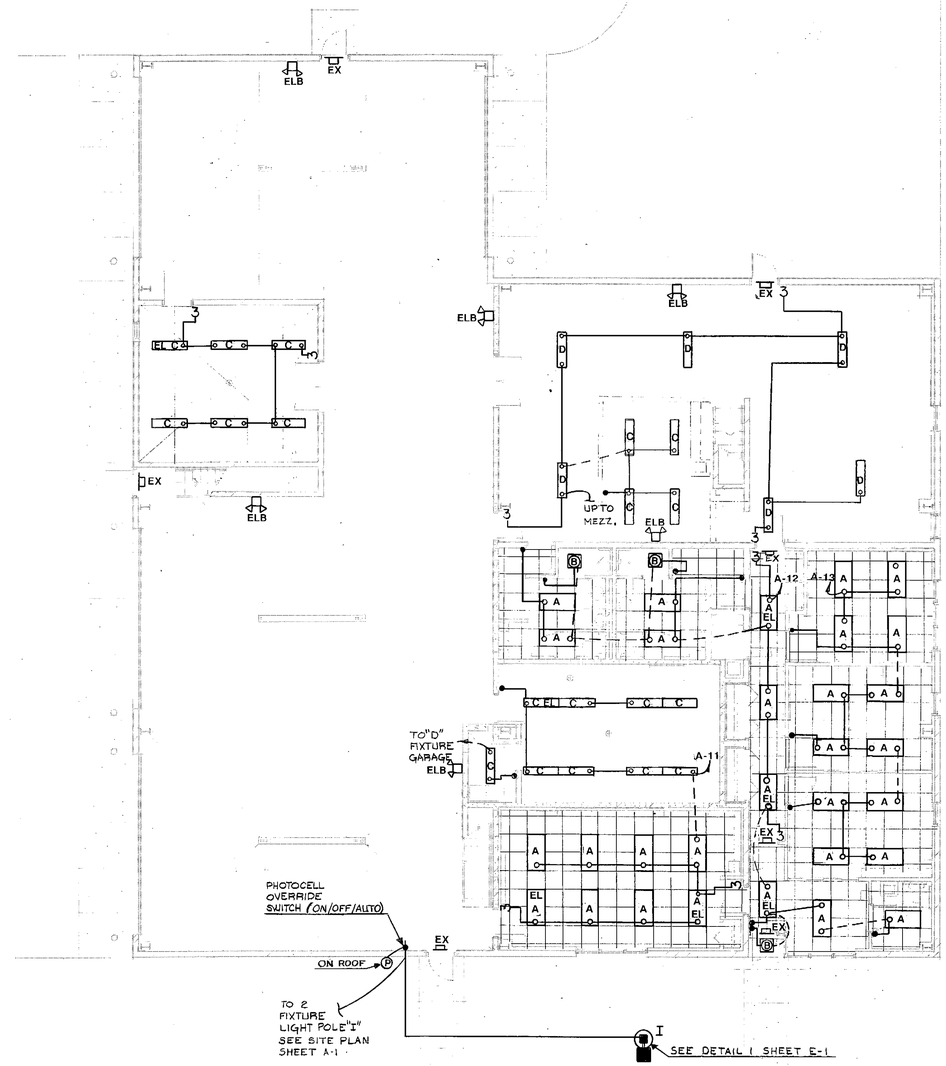
NOTES:

1. CIRCUIT FOR EMERGENCY LIGHTS & EXIT LIGHTS NOT SHOWN. PROVIDE CIRCUIT FOR THESE LIGHTS BACK TO PNL."A".





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1 UPPER LEVEL PLAN - LIGHTING

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

2 MAIN FLOOR PLAN - LIGHTING

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

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SCOPE I.D.	88F40
SCALE	AS NOTED

PROJECT REVIEW

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FITCHBURG UTILITY BUILDING

LIGHTING PLAN

SHEET NO. **E-3**

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