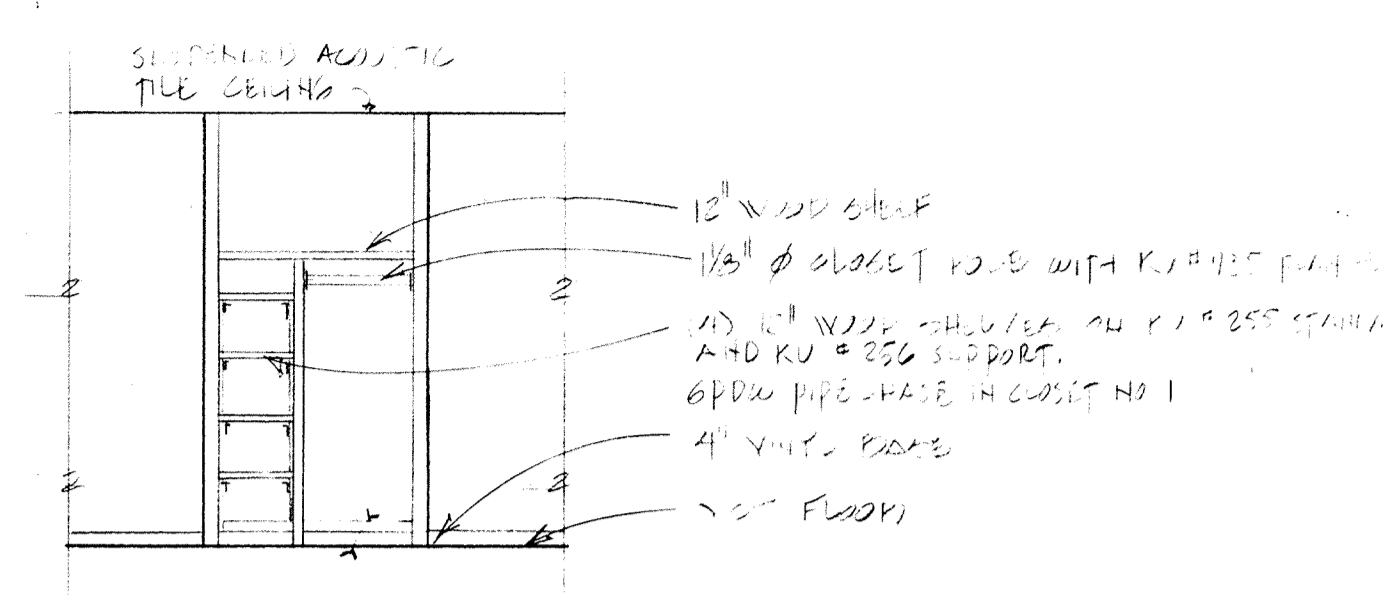
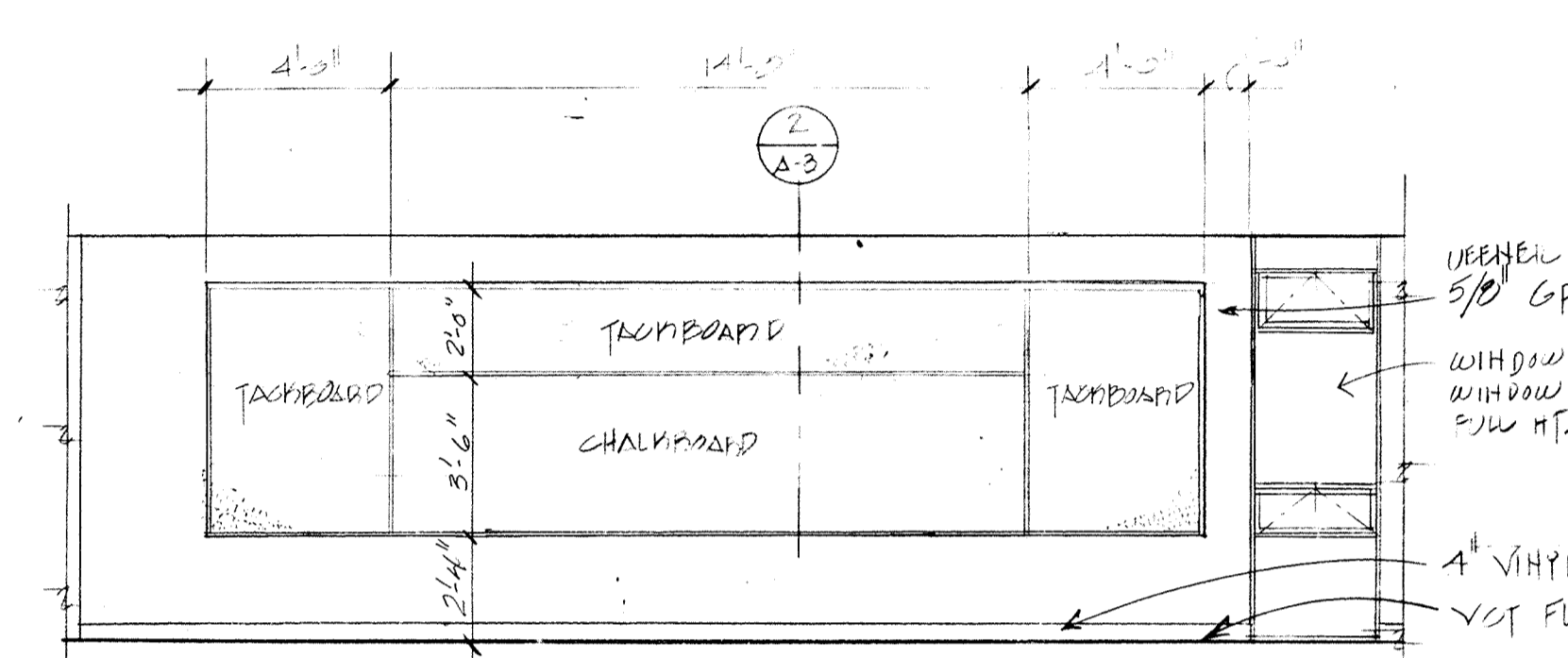


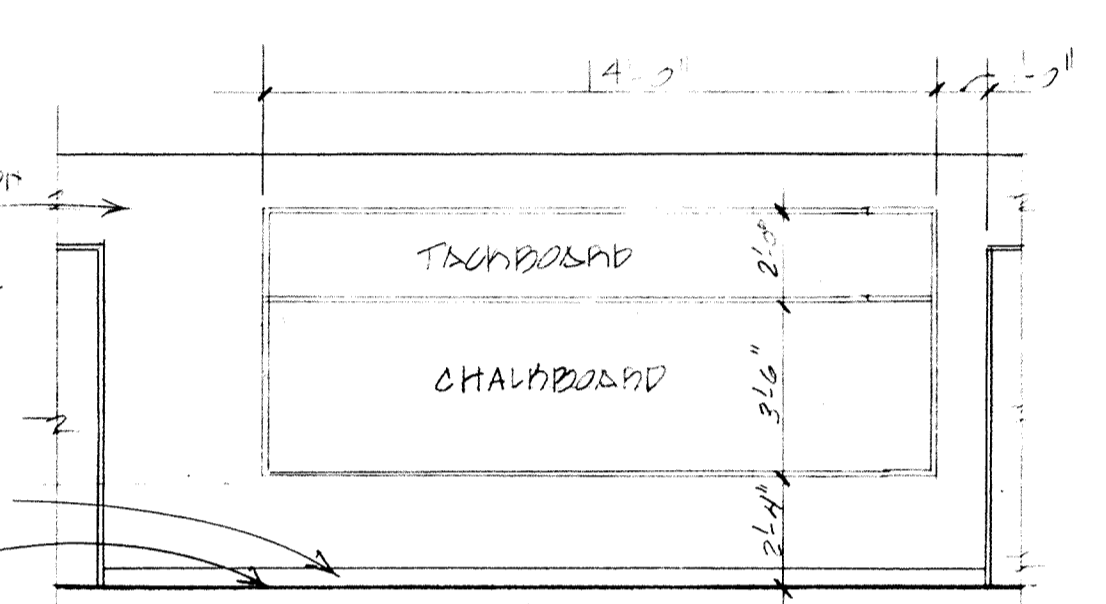
EAST ELEVATION-1 CLASSROOM #1  
SCALE: 1/4" = 1'-0"



EAST ELEVATION 2 CLOSET #1  
SCALE: 1/4" = 1'-0"



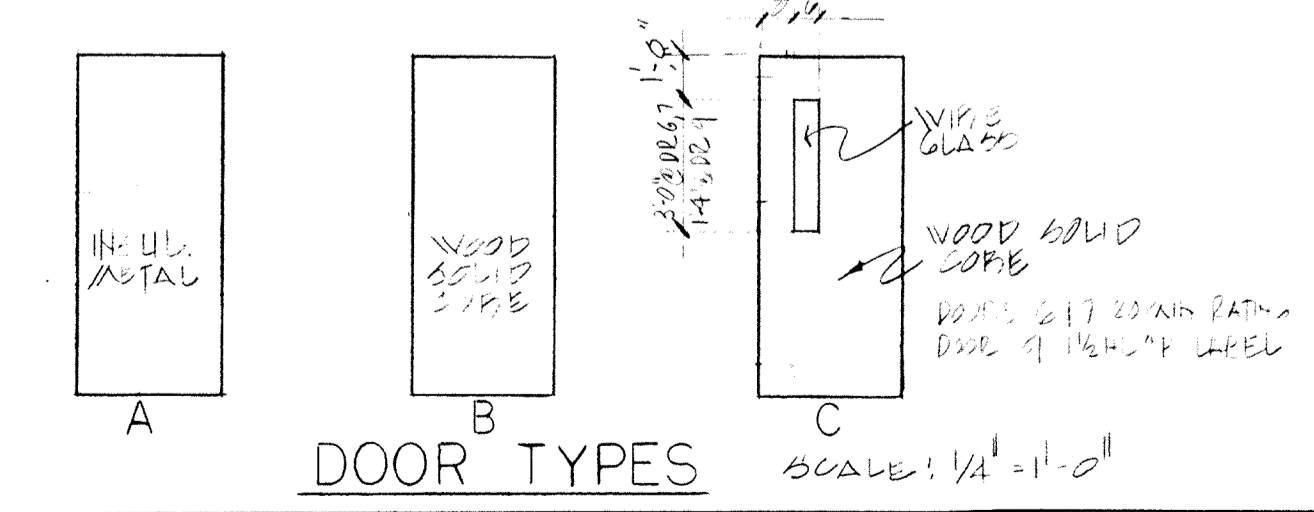
NORTH ELEVATION-3  
SCALE: 1/4" = 1'-0"



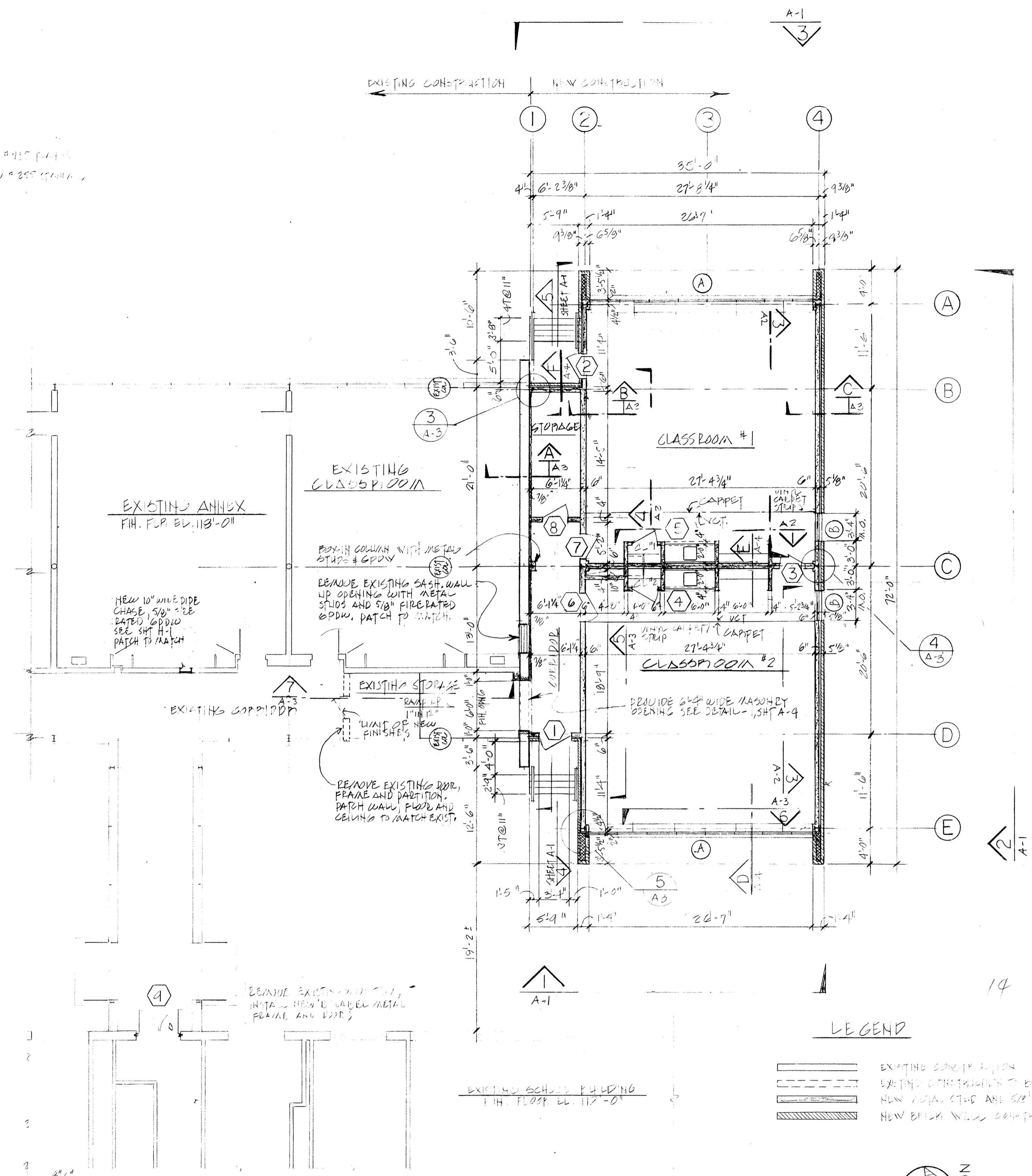
SOUTH ELEVATION-4  
SCALE: 1/4" = 1'-0"

ROOM FINISH SCHEDULE									
ROOM	FLOOR	BASE	N WALL	WALL	S WALL	W WALL	CEILING	GLG HT.	REMARKS
CLASS ROOM #1	VCT & CARPET	VINYL	6 PDW PAINT	6 PDW PAINT	6 PDW PAINT	6 PDW PAINT	D. ACT.	8'-10"	SEE ELEV. THIS SHEET
CLOSET #1	VCT								SEE ELEV. THIS SHEET
CLASS ROOM #2	VCT & CARPET								SEE ELEV. THIS SHEET
CLOSET #2	VCT								SEE ELEV. THIS SHEET
CORRIDOR							6 PDW PAINT	7'-11"	SEE ELEV. SHT A-1
SPRINKLE							6 PDW PAINT	7'-11"	SEE ELEV. SHT A-1
EXISTING CLASS ROOM			UPPER PART OF 5/8\"/>						
EXISTING SPRINKLE	VCT	VINYL	UPPER PART OF 5/8\"/>						
EXISTING CORRIDOR			UPPER PART OF 5/8\"/>						

DOOR SCHEDULE									
DOOR NO.	DOORS			FRAMES				REMARKS	
	OPENING SIZE WIDTH X HEIGHT	MATL	TYPE	HEAD	JAMB	SILL	MATL.		
1	3'-0" X 7'-0" X 13'-4"	METAL	A	1	2		METAL	PATCH HARDWARE, CLOSER, THRESHOLD, WEATHER STRIP	
2	3'-0" X 7'-0" X 13'-4"	METAL	A	1	2			SAME AS ABOVE	
3	3'-0" X 7'-0" X 13'-4"	WOOD	B	3	4			PASSAGE SET LOCKSET	
4	2'-6" X 7'-0" X 13'-4"	WOOD	B						
5	2'-6" X 7'-0" X 13'-4"	WOOD	B						
6	3'-0" X 7'-0" X 13'-4"	WOOD	D						
7	3'-0" X 7'-0" X 13'-4"	WOOD	C						
8	3'-0" X 7'-0" X 13'-4"	WOOD	B						
9	2'-2" X 6'-10" X 13'-4"	WOOD						PATCH HARDWARE, CLOSER, THRESHOLD, WEATHER STRIP	



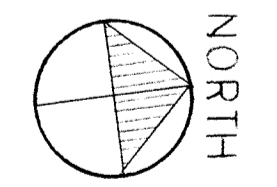
DOOR TYPES SCALE: 1/4" = 1'-0"



GROUND FLOOR PLAN  
1/8" = 1'-0"

LEGEND

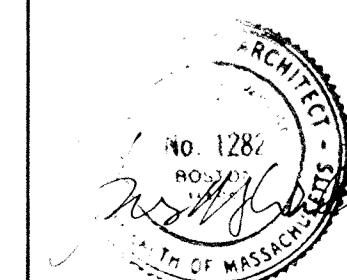
	EXISTING CONSTRUCTION
	EXISTING CONSTRUCTION TO BE REMOVED
	NEW WALL STUDS AND 5/8\"/>
	NEW BRICK WALL CONSTRUCTION



BUILDING USE GROUP - A-4 ASSEMBLY, CHURCHES, SCHOOLS  
 BUILDING TYPE - 2C UNPROTECTED, HIGH COMBUSTIBLE  
 NEW ADDITION 2109 SF  
 EXISTING ANNEX 7815 SF  
 ASSUMABLE 14,900 SF

"As Built Drawings"  
 FLOOR PLAN SCHEDULES AND INTERIOR ELEVATIONS

**WHITMAN & HOWARD, INC.**  
 45 WILLIAM STREET, WELLESLEY, MASS.



ORIGINAL FULL SIZE DRAWING = 4"  
 REPRODUCTIONS MAY BE REDUCED SIZE

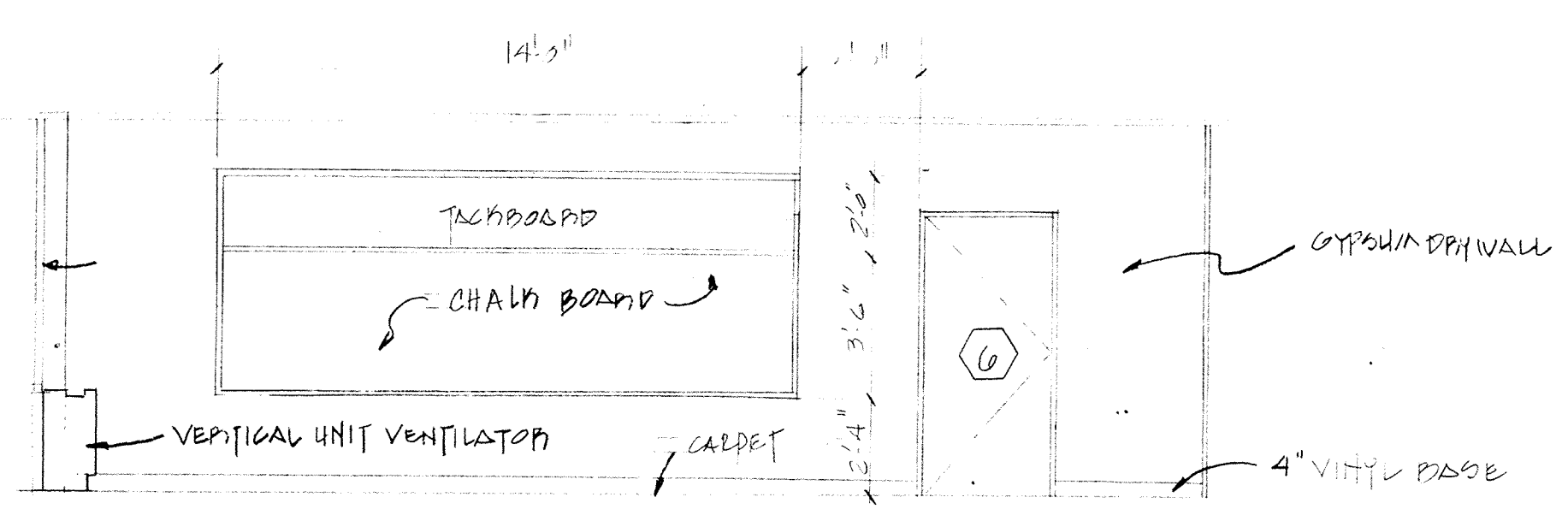
APPROVED

DESIGNED: *AWH* DRAWN: D.B. CHECKED: *AWH* SCALE: AS SHOWN DATE: DEC. 1986

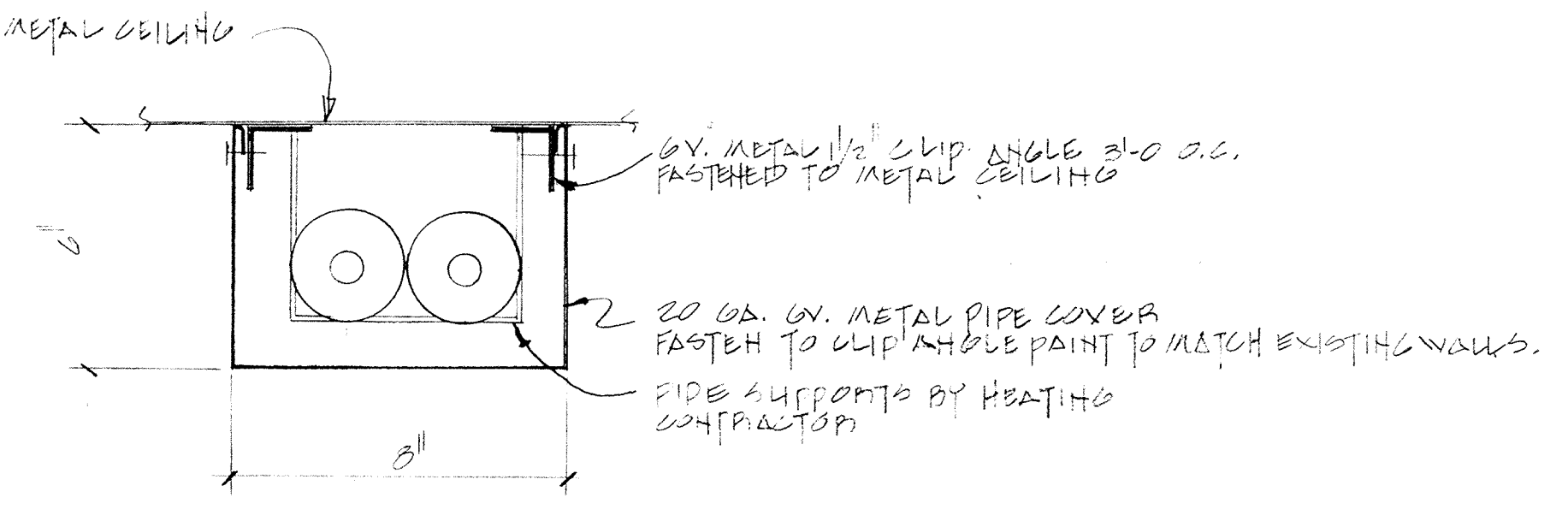
DRAWING NO. **A-2**  
 JOB NO. 86-164  
 CONTRACT NO.

PROPOSED ADDITIONS AND RENOVATIONS  
**NEWTON, MASS.**  
 COUNTRYSIDE ELEMENTARY SCHOOL

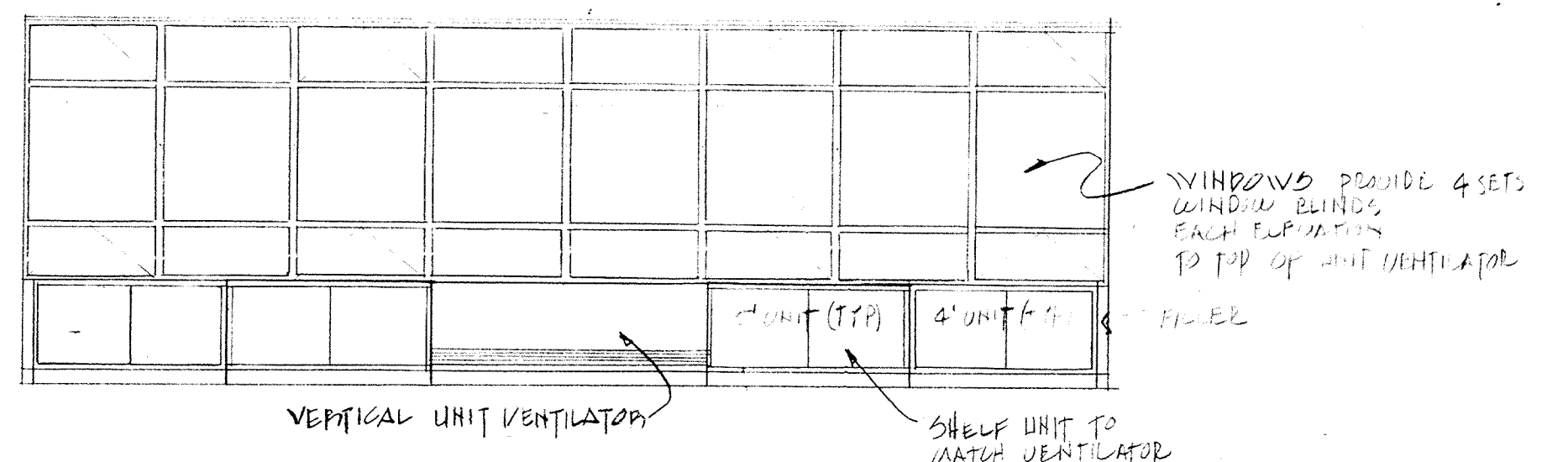
SHEET 3 OF 10 SHEETS



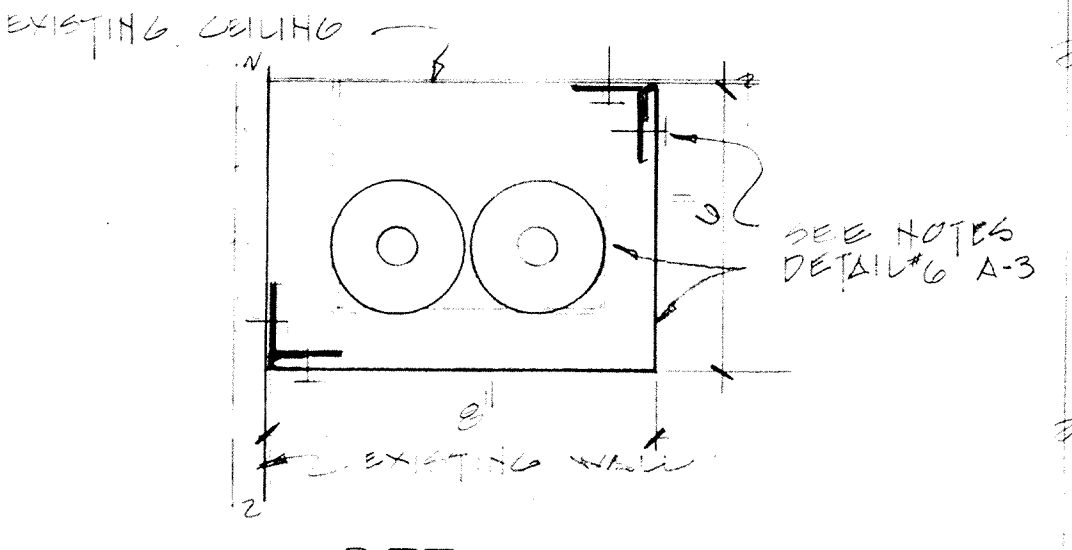
**SOUTH ELEVATION 5** CLASSROOM #2



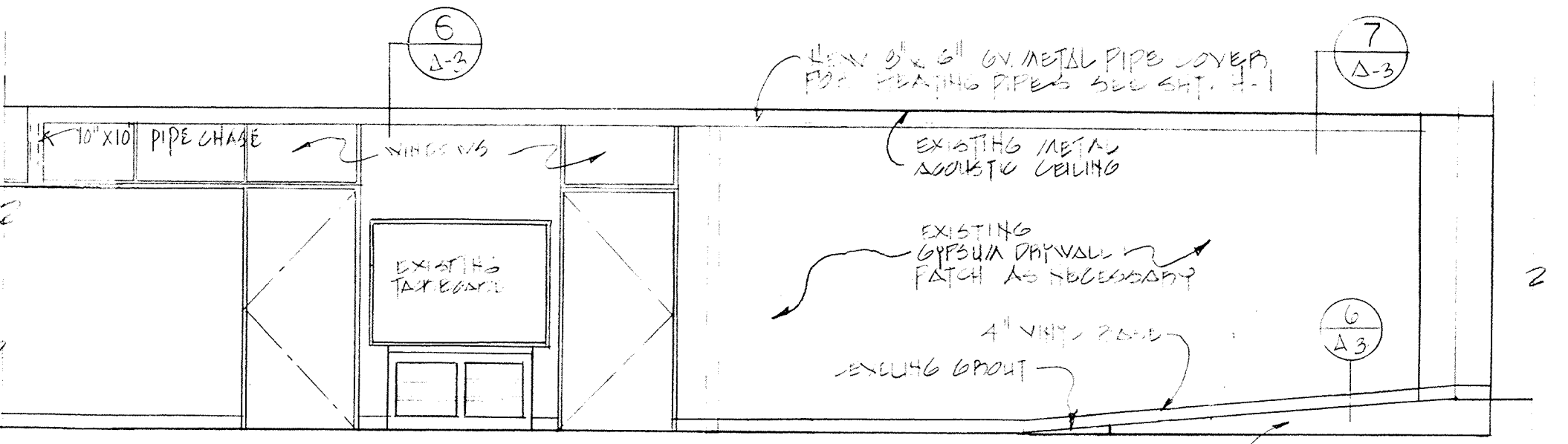
**DETAIL 6**  
3/4" = 1'-0"



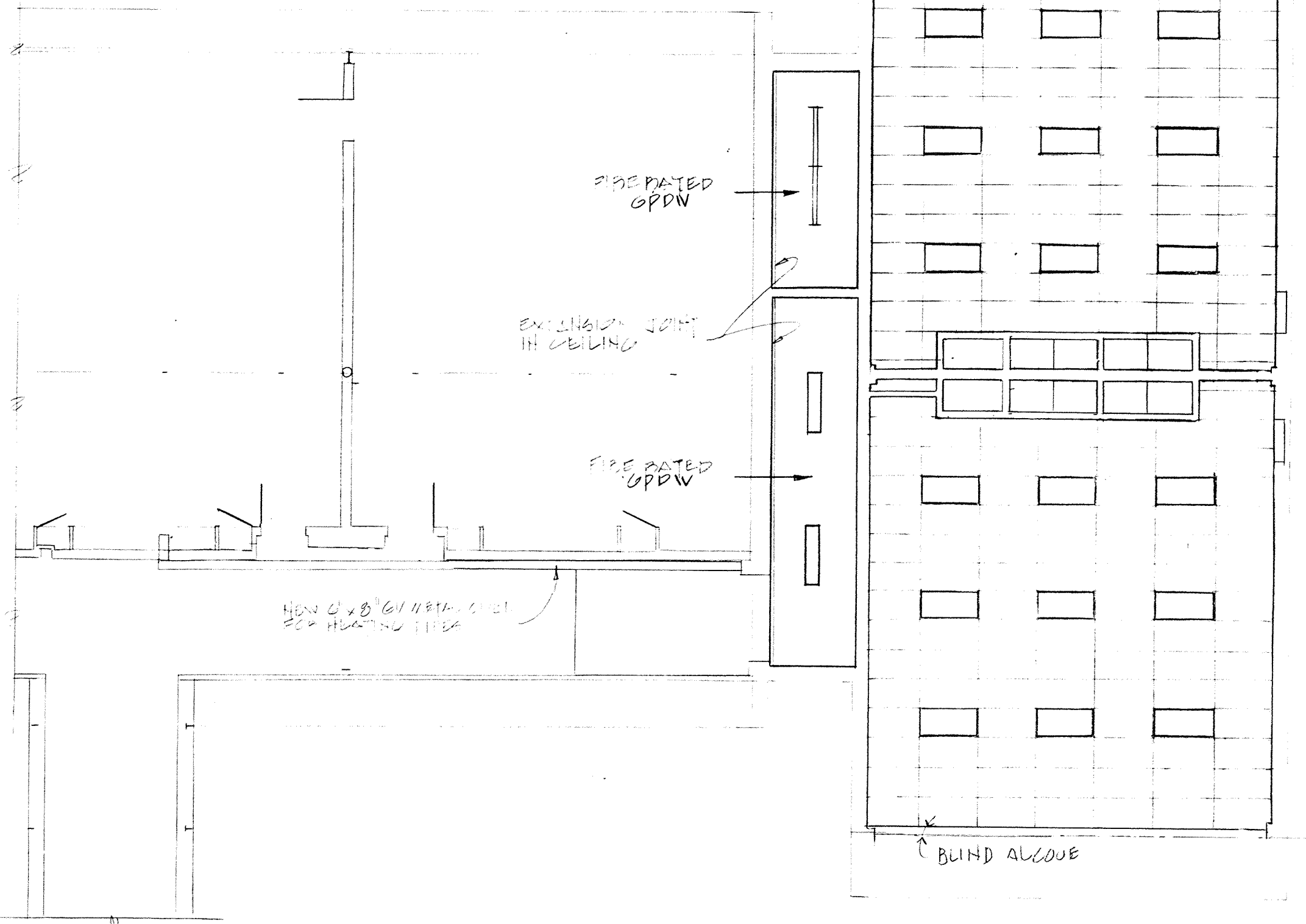
**EAST ELEVATION 6** CLASSROOM #2



**DETAIL 7**  
3/4" = 1'-0"

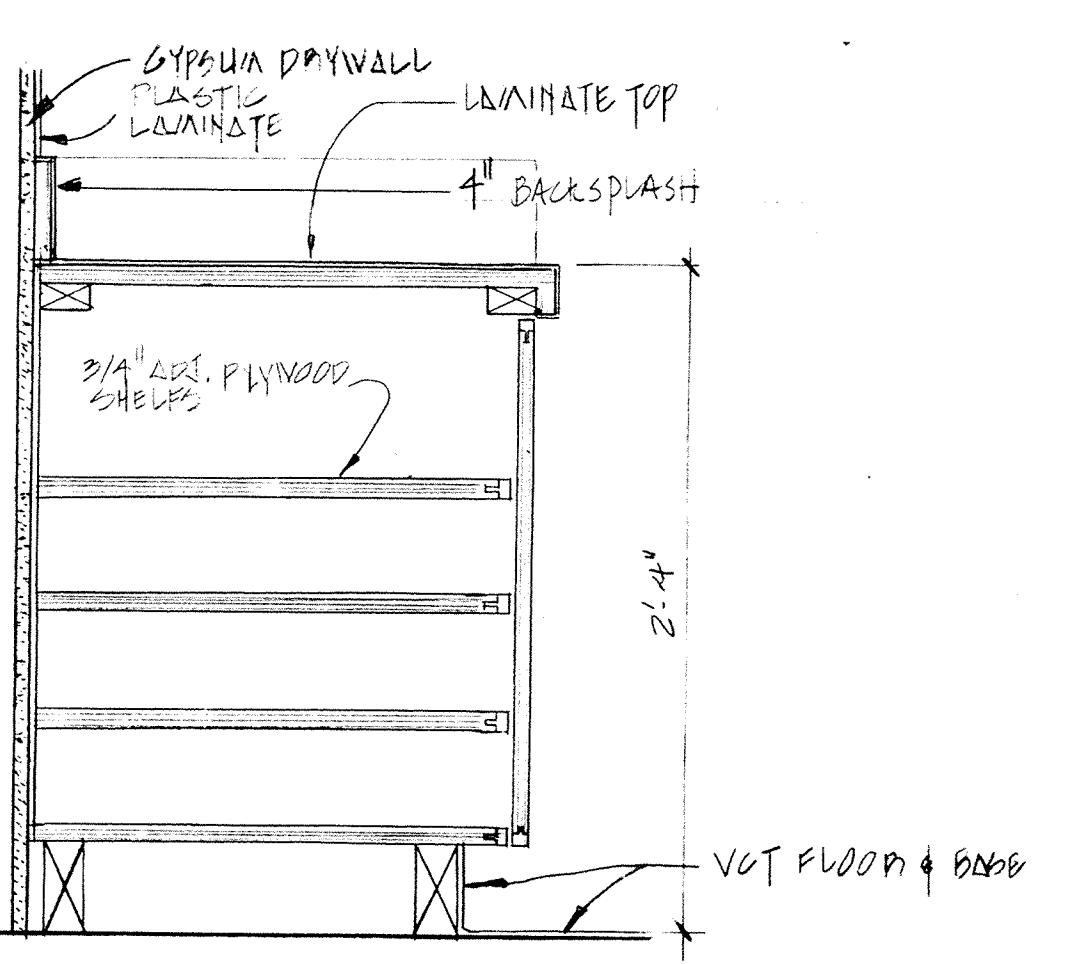


**WEST ELEVATION 7** EXIST. DR. DOOR

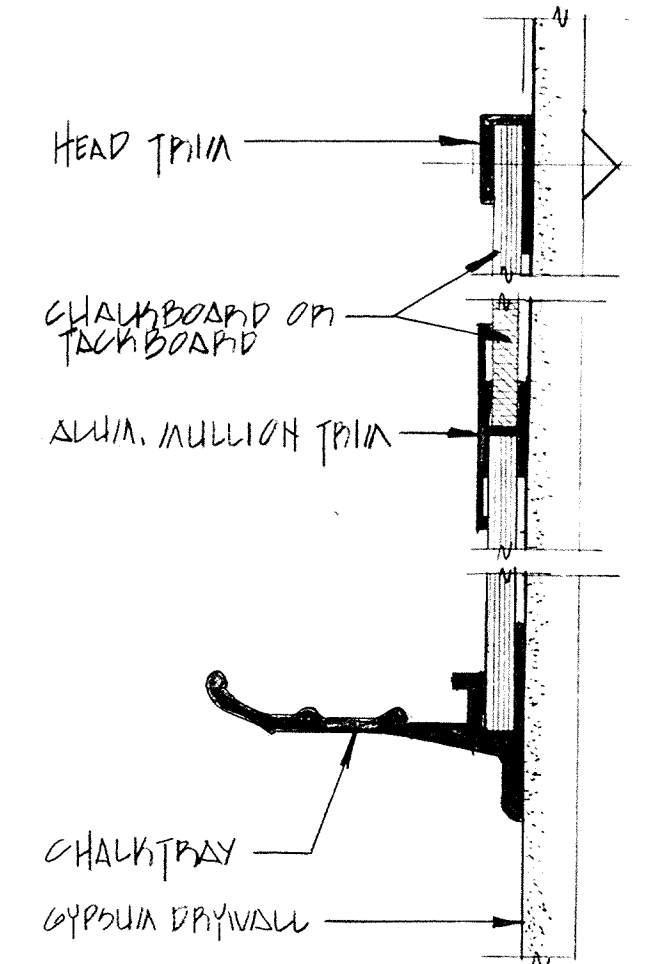


**REFLECTED CEILING PLAN**  
1/8" = 1'-0"

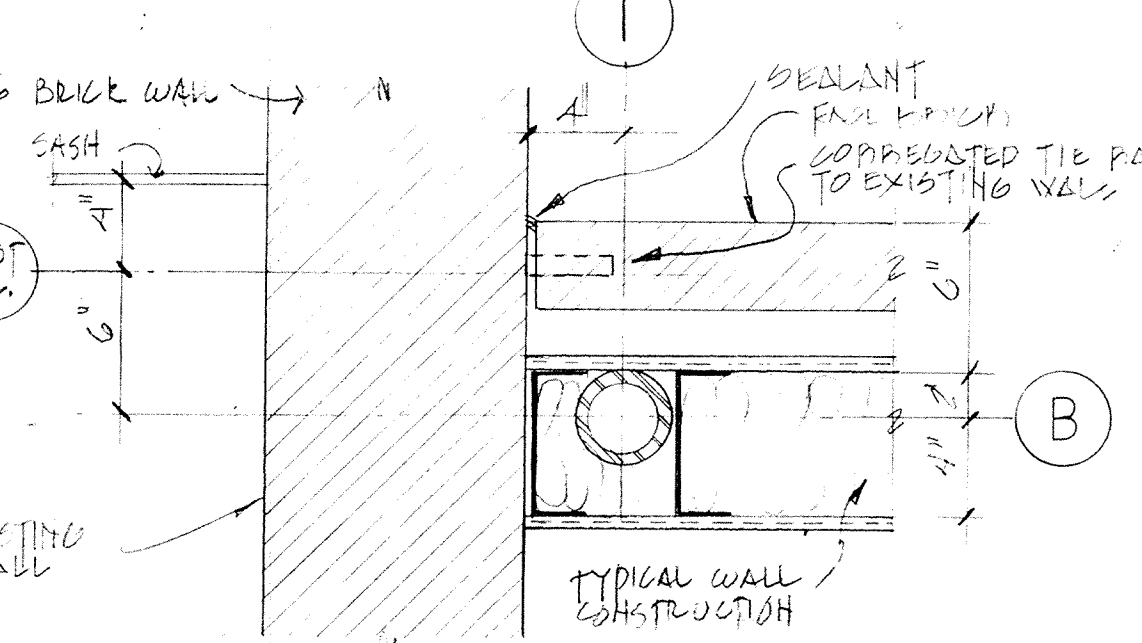
- LEGEND**
- 2" X 4" ACUSTIC TILES
  - 2" X 4" FLUORESCENT LIGHT FIXTURE
  - EXIST. FIXTURE RELOCATED
  - FLUORESCENT LIGHT FIXTURE (NO DIFFUSER)



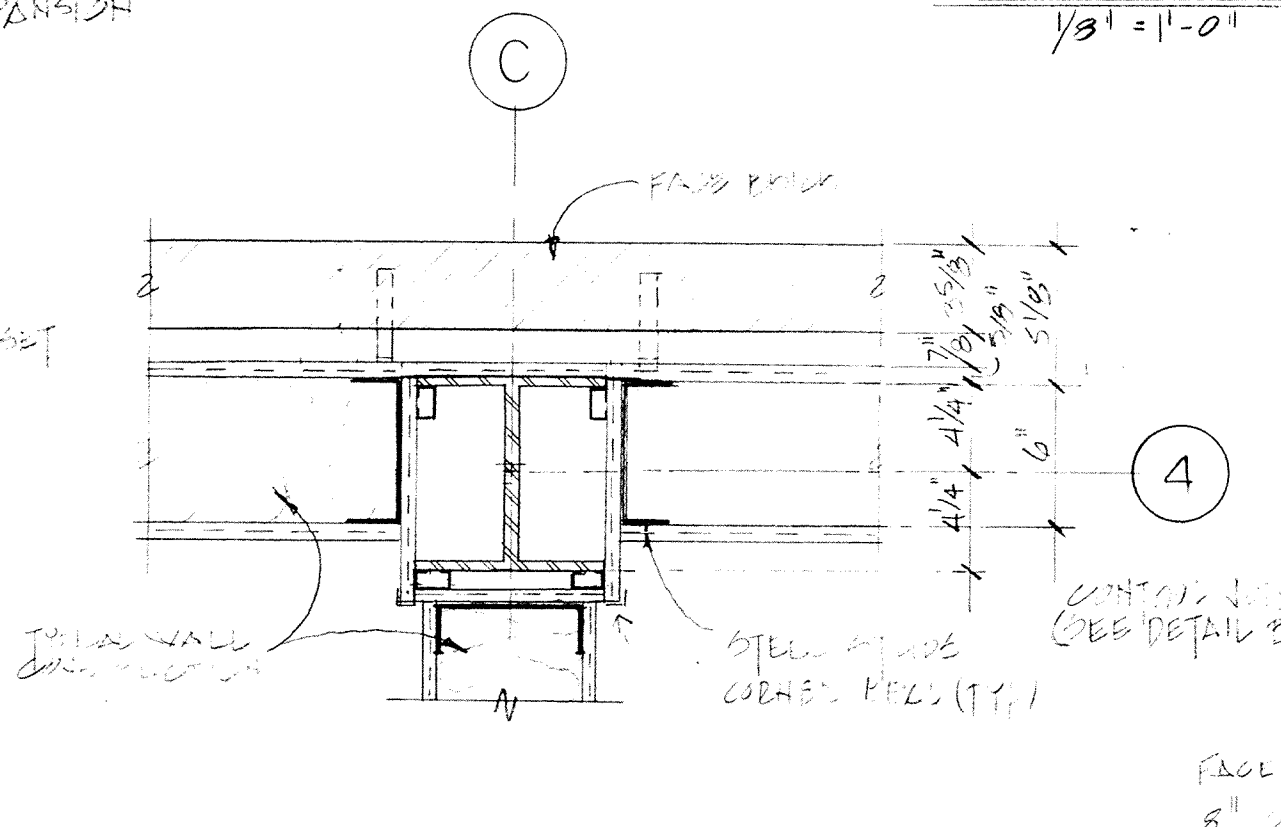
**DETAIL 1**  
SCALE = 1/2" = 1'-0" @ CABINET



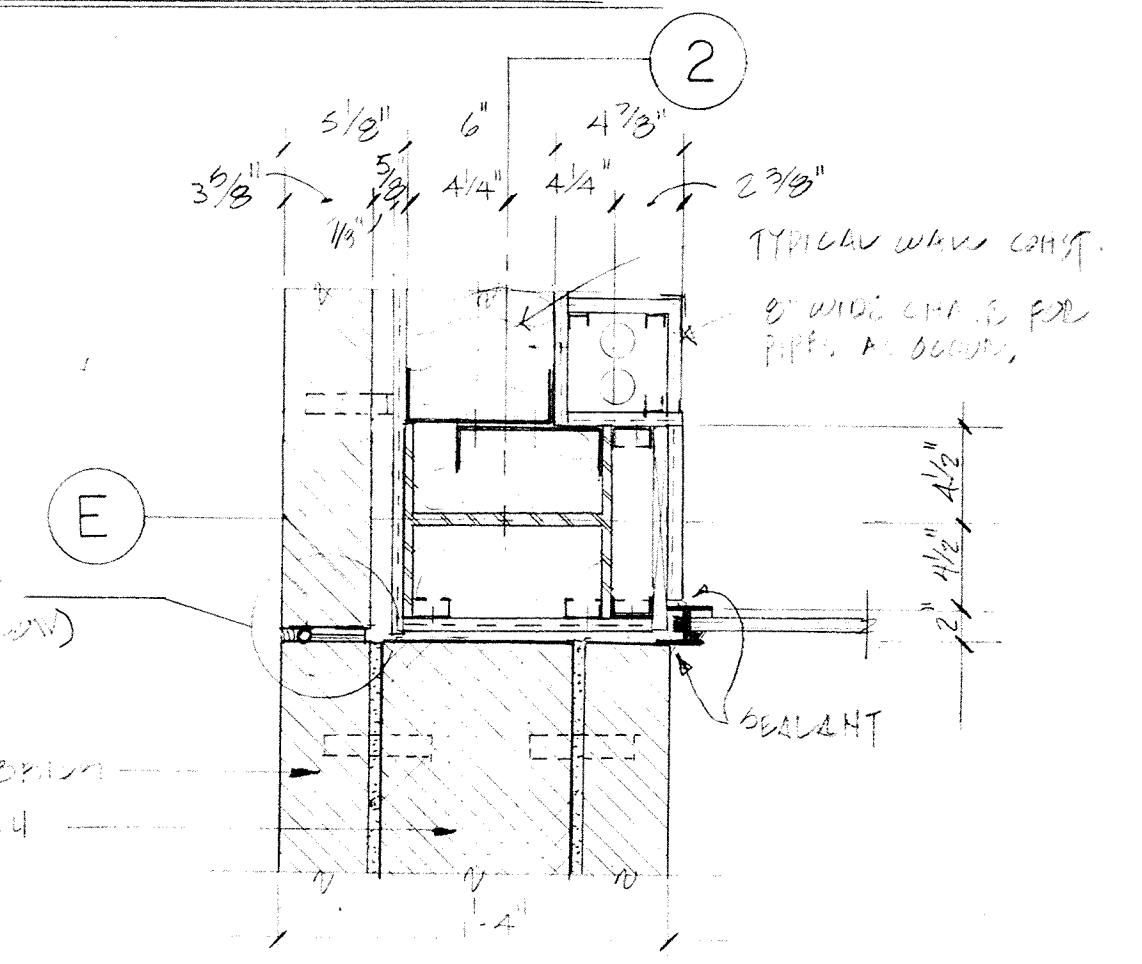
**DETAIL 2**  
SCALE = N.P. @ CHALKBOARD



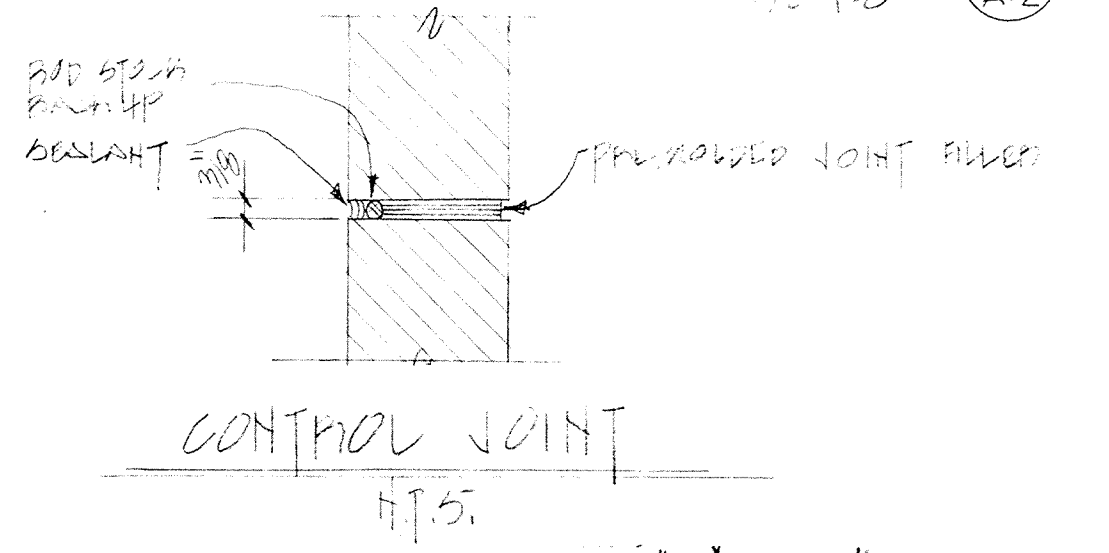
**DETAIL 3**  
1/2" = 1'-0" @ A-2



**DETAIL 4**  
1/2" = 1'-0" @ A-2



**DETAIL 5**  
1/2" = 1'-0" @ A-2



"As Built Drawings"  
INTERIOR ELEVATIONS AND DETAILS

NO.	DESCRIPTION	DATE

**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.



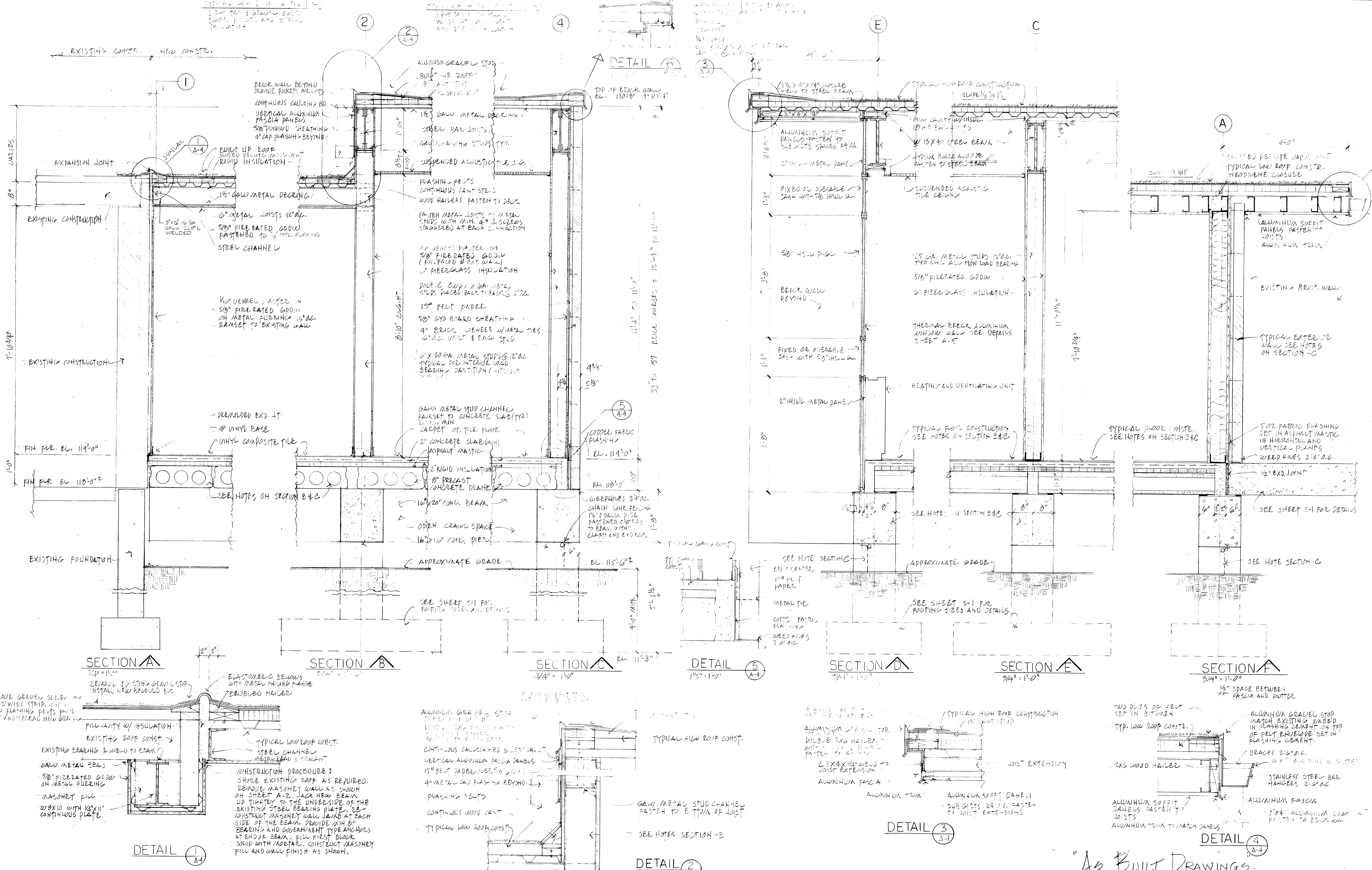
ORIGINAL FULL SIZE DRAWING = 4"  
REPRODUCTIONS MAY BE REDUCED SIZE

APPROVED

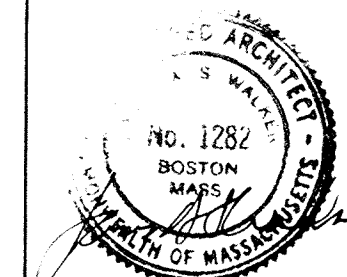
DESIGNED: [Signature] DB  
DRAWN: [Signature] DB  
CHECKED: [Signature] DB  
SCALE: AS SHOWN  
DATE: DEC. 1986

DRAWING NO. **A-3**  
JOB NO. 86 164  
CONTRACT NO.

PROPOSED ADDITIONS AND RENOVATIONS  
**NEWTON, MASS.**  
COUNTRYSIDE ELEMENTARY SCHOOL



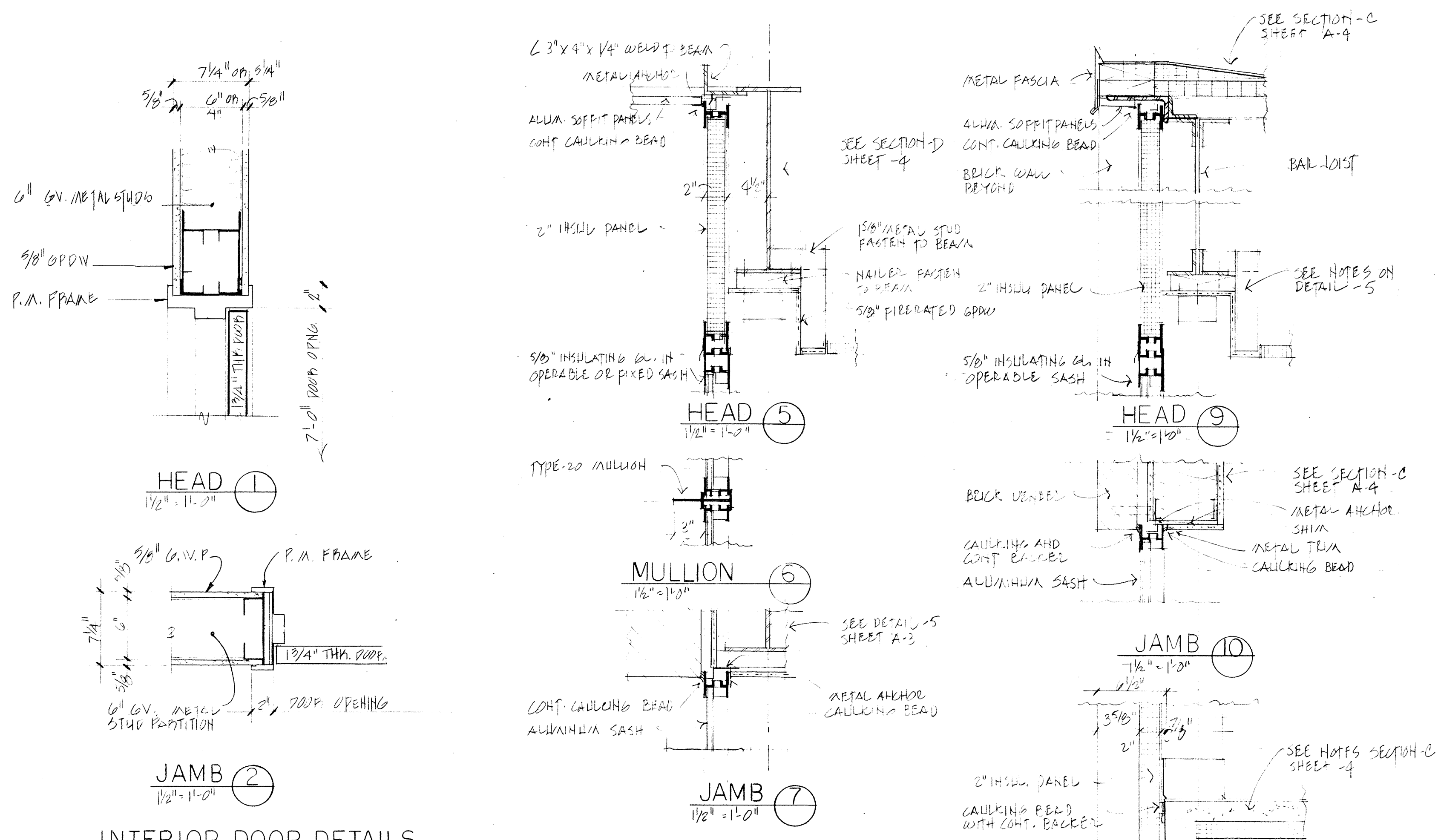
**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.



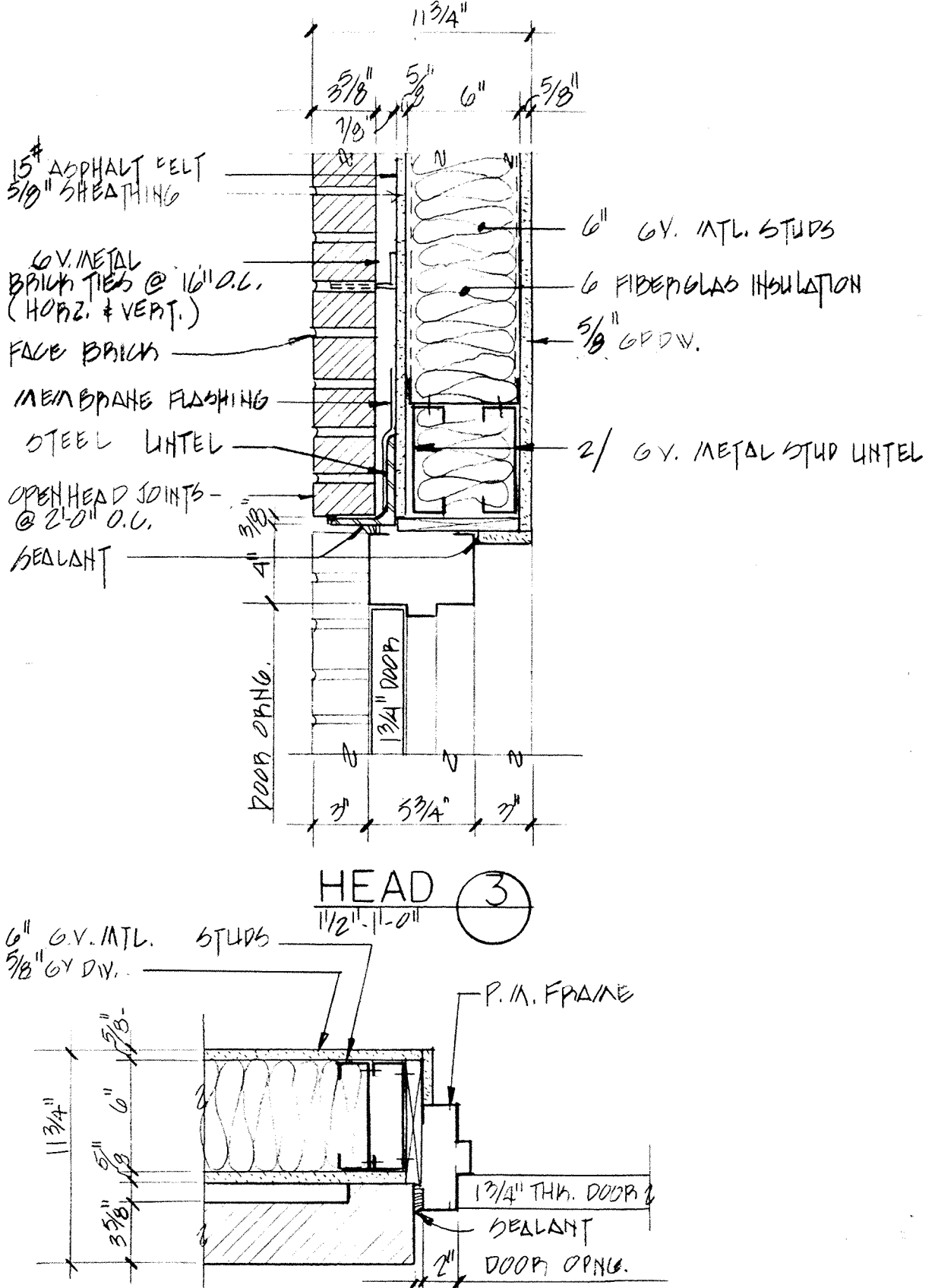
ORIGINAL FULL SIZE DRAWING = 4"  
REPRODUCTIONS MAY BE REDUCED SIZE

DRAWING NO.	A-4	PROPOSED ADDITIONS AND RENOVATIONS
JOB NO.	86-164	NEWTON, MASS.
CONTRACT NO.		COUNTRYSIDE ELEMENTARY SCHOOL

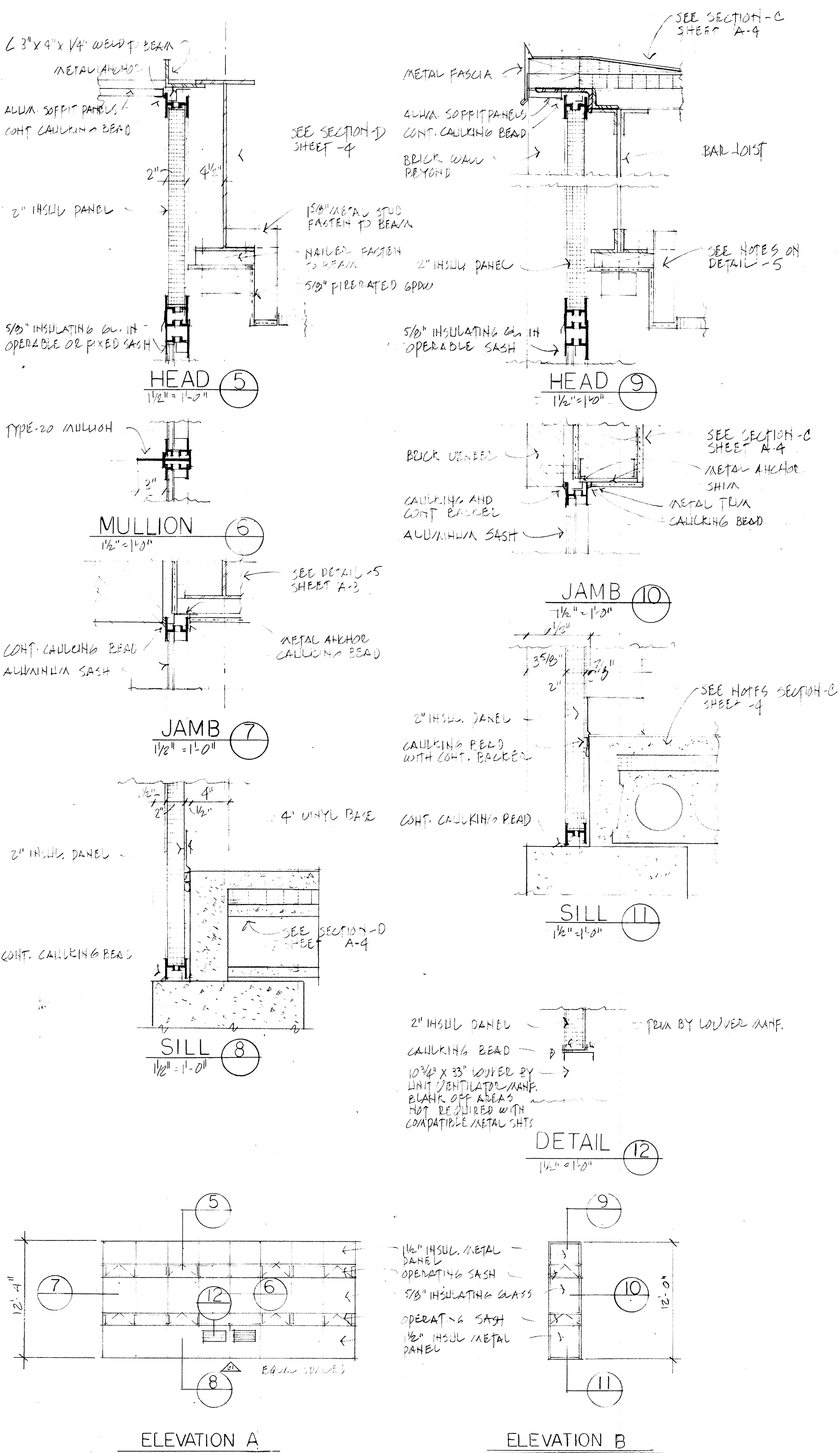
DESIGNED	AWM	CHECKED	AWM	SCALE	AS SHOWN	DATE	DEC. 1986
APPROVED							
				SHEET	5	OF 10	SHEETS



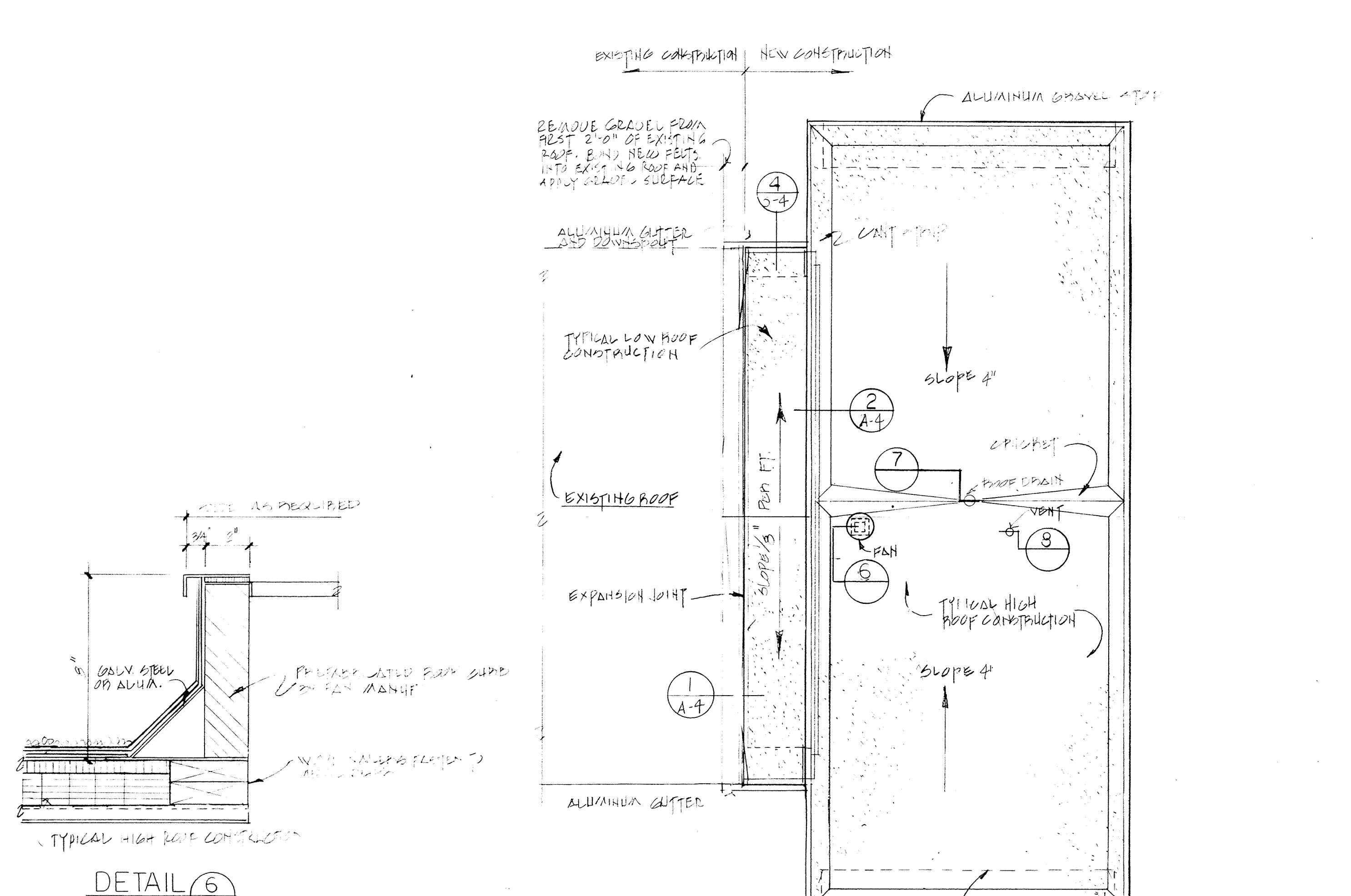
INTERIOR DOOR DETAILS



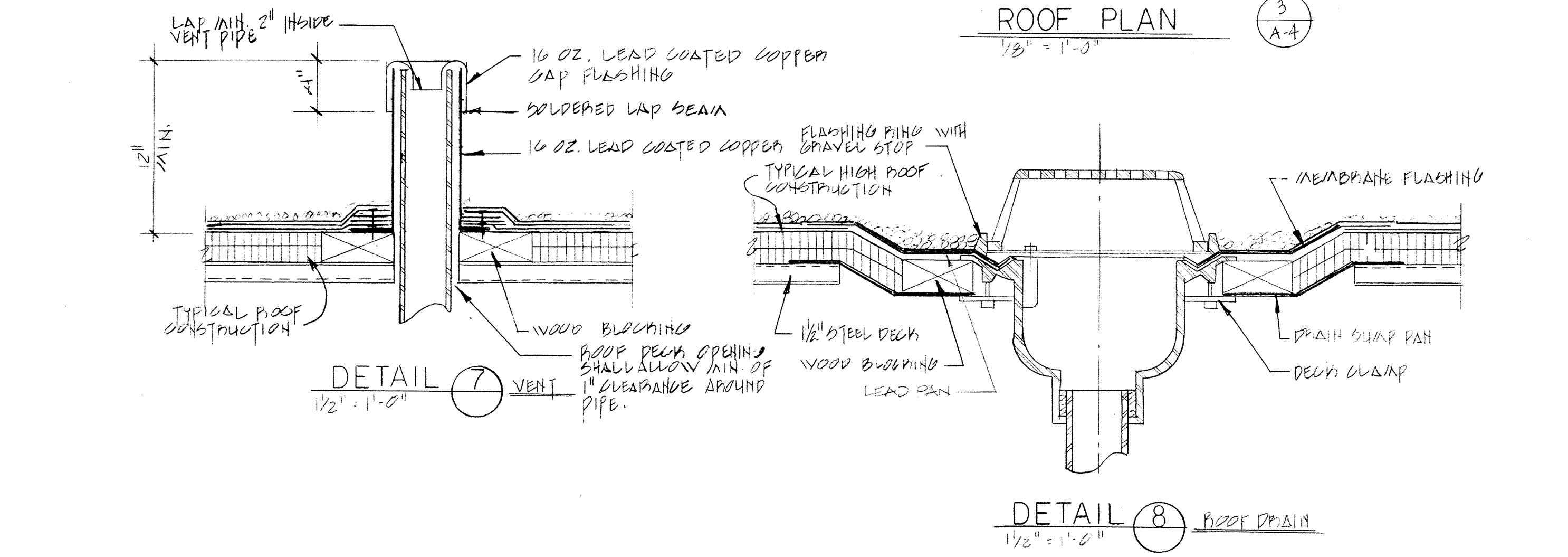
EXTERIOR DOOR DETAILS



WINDOW DETAILS



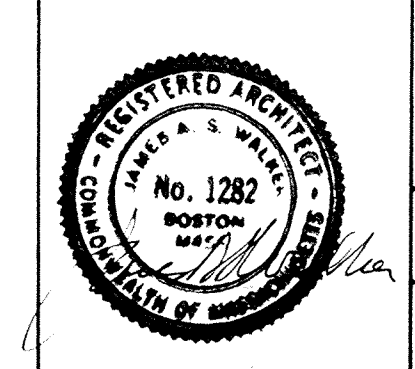
ROOF PLAN



DETAIL 8 ROOF DRAIN

NO.	DESCRIPTION	DATE

**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.



ORIGINAL FULL SIZE DRAWING = 4"  
REPRODUCTIONS MAY BE REDUCED SIZE

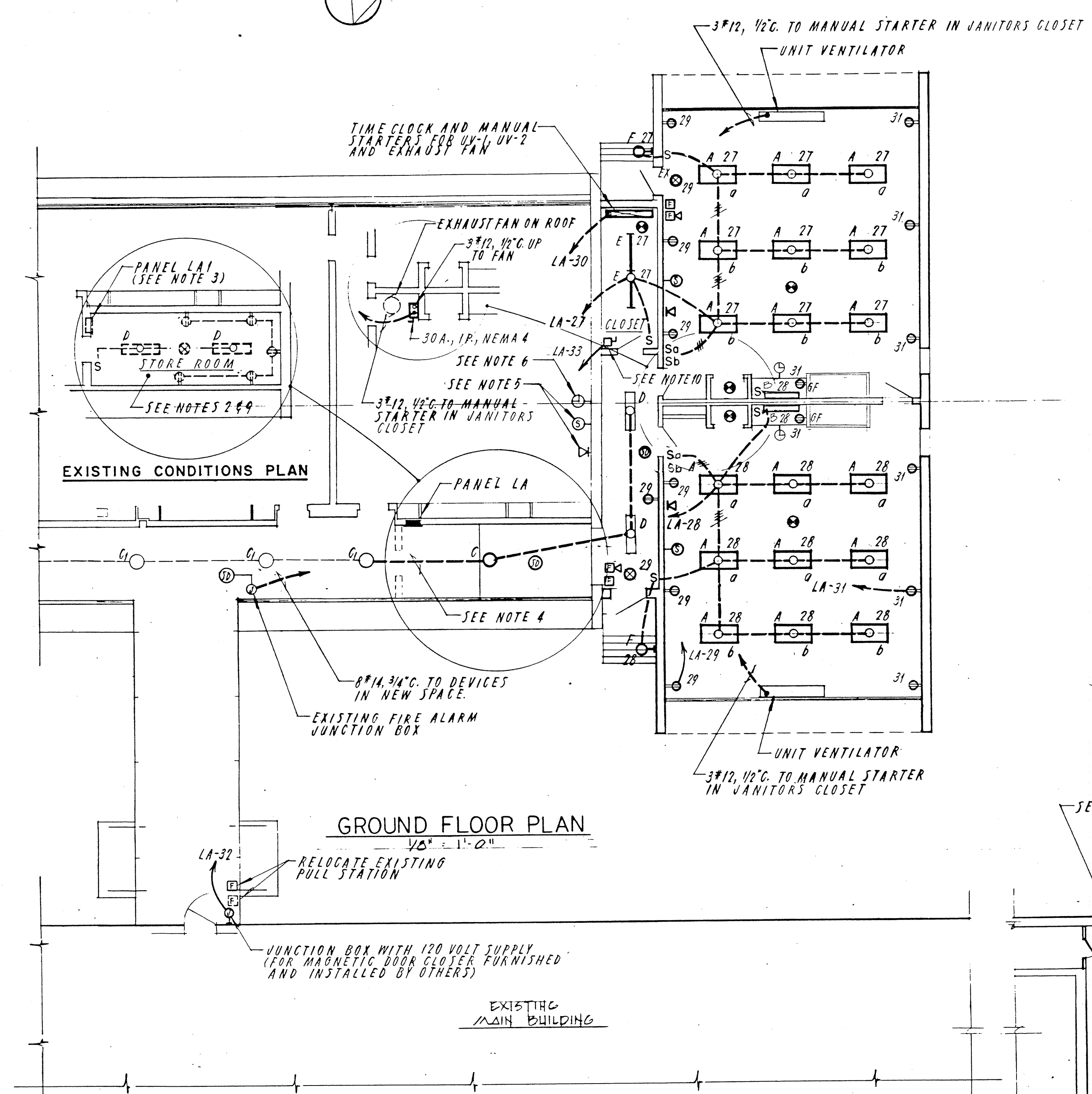
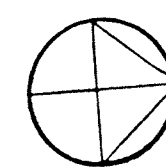
APPROVED

DESIGNED DRAWN: DB  
CHECKED: [Signature]  
SCALE: AS SHOWN  
DATE: DEC. 1986

DRAWING NO. A-5  
JOB NO. 86-164  
CONTRACT NO.

SHEET 6 OF 10 SHEETS

PROPOSED ADDITIONS AND RENOVATIONS  
**NEWTON, MASS.**  
COUNTRYSIDE ELEMENTARY SCHOOL



**"LA" PANEL SCHEDULE**

SERVICE: 100 AMP, 120/208 VOLTS, 3 PHASE, 4 WIRE MAINS ONLY  
 MOUNTING: FLUSH  
 LOCATION: CORRIDOR

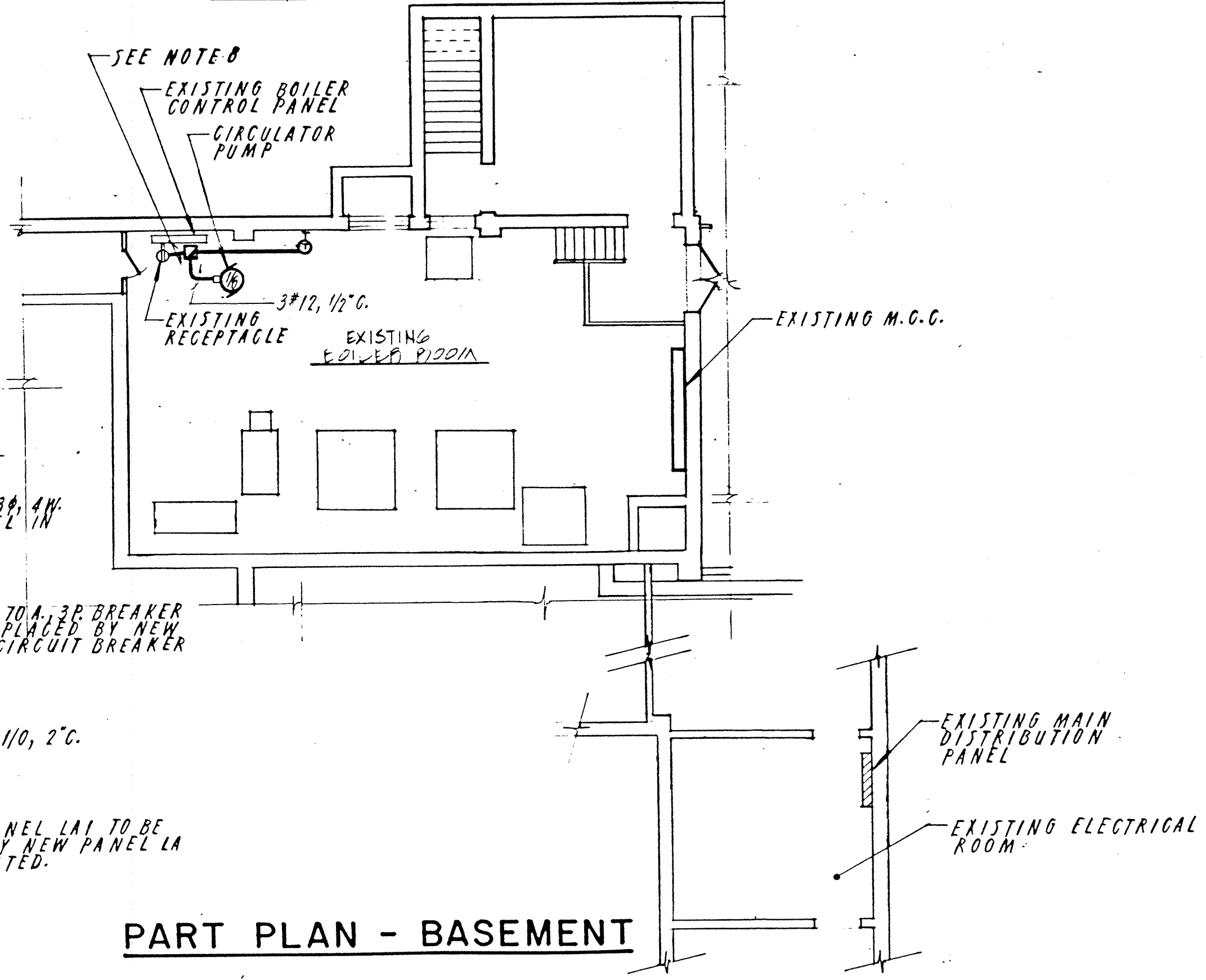
CIR. NO.	APPLICATION	LOAD		CIR. BRKR.		REMARKS
		KW	HP	POLES	TRIP	
1				1	20A	
2				1	20A	
3				1	20A	
4				1	20A	
5				1	20A	
6				1	20A	
7				1	20A	
8				1	20A	
9				1	20A	
10				1	20A	
11				1	20A	
12				1	20A	
13				1	20A	
14				1	20A	
15				1	20A	
16				1	20A	
17				1	20A	
18				1	20A	
19				1	20A	
20				1	20A	
21				1	20A	
22				1	20A	
23				1	20A	
24				1	20A	
25				1	20A	
26				1	20A	
27	LIGHTING-NEW SPACE	1.9		1	20A	
28	LIGHTING-NEW SPACE	1.9		1	20A	
29	RECEPTACLES	0.5		1	20A	
30	UNIT VENTILATORS EEF	1.0		1	20A	
31	RECEPTACLES	0.5		1	20A	
32	DOOR CLOSER	0.5		1	20A	
33	HEAT TRACING	0.5		1	20A	G.F.C.I. BREAKER
34	SPACE					
35	SPACE					
36	SPACE					

**LIGHTING FIXTURE SCHEDULE**

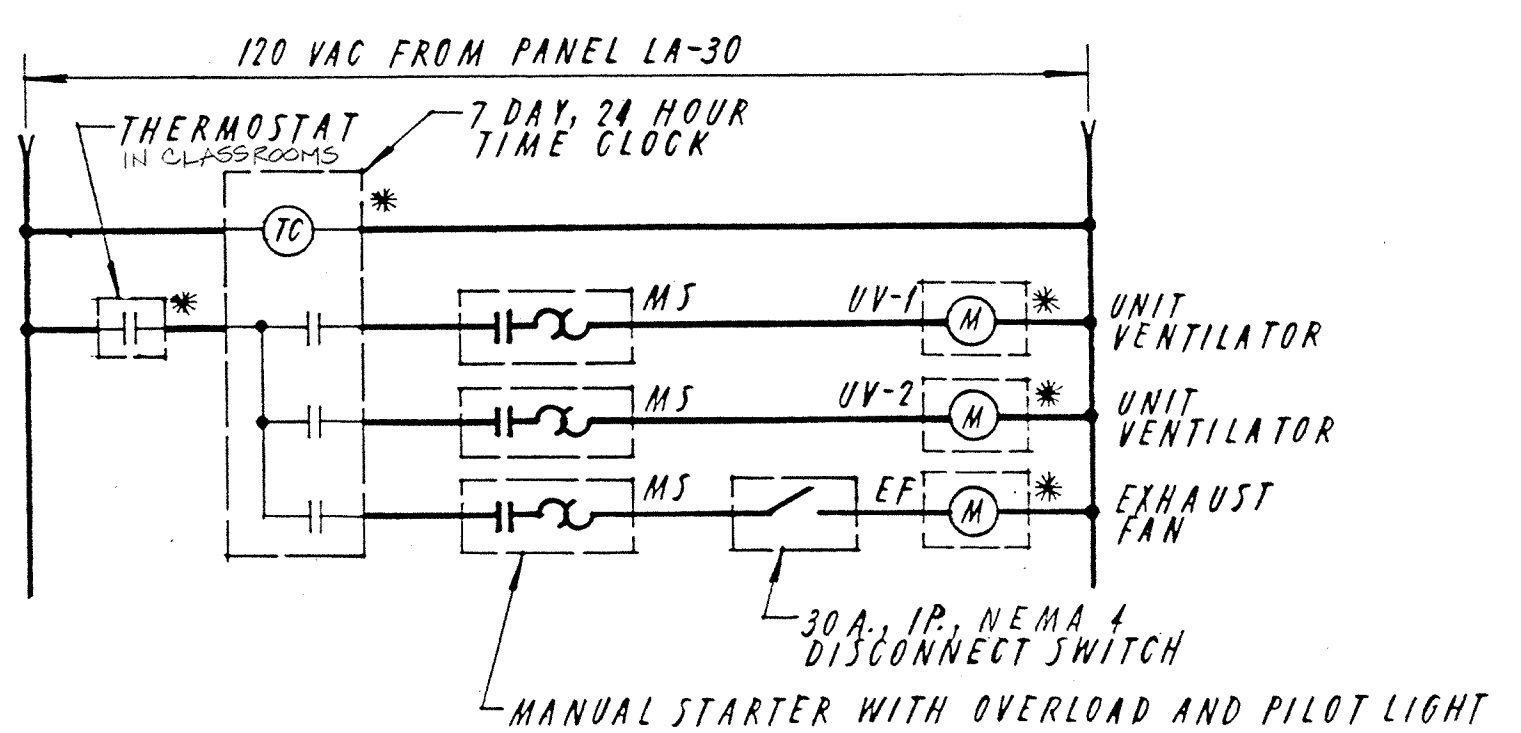
FIXTURE TYPE	MANUFACTURER	CATALOG NO.	WATTS	FIXT.	FIXTURE			REMARKS
					TYPE	MTG.	LAMPS	
A	BENJAMIN-THOMAS	085-2214-4	200	FLUOR. RECEPT.	4-10W	120		
B	BENJAMIN-THOMAS	C2W-2214-4	80	FLUOR. WALL	1-10W	120		
C	LIGHTOLIER	6770	100	INCAND. SURFACE	1-100W	120		TO MATCH "C" FIXTURE
D	EXISTING		120	INCAND. SURFACE	3-40W	120		TO BE RETAINED
E	EXISTING		100	FLUOR. SURFACE	2-10W	120		TO BE REMOVED ERE-CTED
EX	E.L.S.	SERIES FR.	15	FLUOR. SURFACE	2-6W	120		SELF-CONTAINED "B" BATT.
F	BENJAMIN-THOMAS	S-14-2WB	100	FLUOR. SURFACE	2-10W	120		
G	BENJAMIN-THOMAS	0LB-435-120B	35	HPS WALL	1-35W	120		

- LEGEND**
- 1 2 CEILING OUTLET WITH FLUORESCENT LIGHTING FIXTURE ("A" INDICATES TYPE, "2" INDICATES CIRCUIT, "B" INDICATES SWITCH CONTROL)
  - 6 CEILING OUTLET WITH INCANDESCENT LIGHTING FIXTURE. NOTATION SAME AS ABOVE.
  - EXIT LIGHTING FIXTURE
  - WALL-MOUNTED INCANDESCENT LIGHTING FIXTURE
  - EXISTING FLUORESCENT FIXTURE TO BE RELOCATED AND REUSED.
  - S SINGLE POLE SWITCH
  - DUPLEX RECEPTACLE
  - CLOCK RECEPTACLE
  - INTERCONNECTING TELEPHONE
  - THERMOSTAT
  - FIRE ALARM MANUAL PULL STATION
  - FIRE ALARM HORN
  - FIRE ALARM SMOKE DETECTOR
  - FIRE ALARM HEAT DETECTOR
  - LIGHTING PANELBOARD
  - JUNCTION BOX
  - CONDUIT RUN CONCEALED
  - CONDUIT TURNING UP
  - CONDUIT TURNING DOWN
  - LA-27 HOMERUN TO PANELBOARD LA, CIRCUIT 27. DIAGONALS INDICATE NUMBER OF #12 A.W.G. CONDUCTORS WHEN GREATER THAN TWO.
  - DISCONNECT SWITCH
  - MANUAL MOTOR STARTER
  - MOTOR - NUMERAL INDICATES HORSEPOWER
  - CONDUIT RUN EXPOSED
  - GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE

**GROUND FLOOR PLAN**



**PARTIAL ONE LINE DIAGRAM**



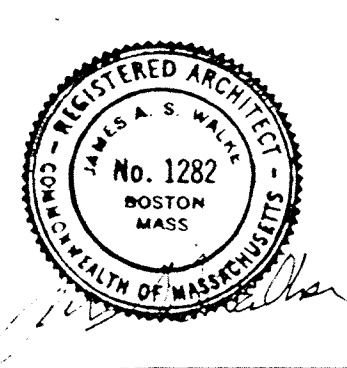
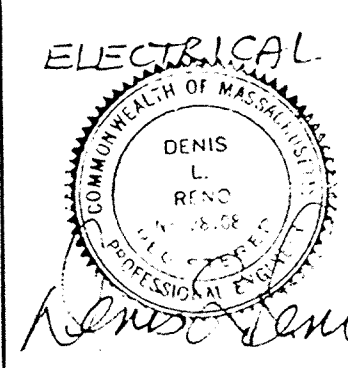
ALL ITEMS MARKED WITH AN ASTERISK FURNISHED UNDER DIVISION 15 AND INSTALLED AND WIRED UNDER DIVISION 16. ALL OTHER ITEMS FURNISHED, INSTALLED AND WIRED UNDER DIVISION 16.

**NOTES**

1. THIS DRAWING IS BASED ON RECORD DRAWINGS E-1, E-2, E-3 AND E-4, DATED NOV 19, 1981, BY GRAM & FERGUSON, AND E-1 AND E-2, DATED DEC. 11, 1981, BY HUGH STUBBINS/FRED S. DUBIN. THE ELECTRICAL CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING ELECTRICAL SYSTEMS INDICATED ON THIS DRAWING.
2. RETAIN EXISTING CORRIDOR LIGHTING FIXTURES (C), SMOKE DETECTOR AND FIRE ALARM JUNCTION BOX. DISCONNECT AND REMOVE EXISTING FIXTURES (D), LIGHT SWITCH AND HEAT DETECTOR IN STORE ROOM AND REUSE AS INDICATED.
3. EXISTING PANEL LA-1 WITH 24-1POLE AND 1-2POLE, 20 AMP BREAKERS FEEDS ELECTRICAL LOADS IN EXISTING SPACE. DE-ENERGIZE AND DISCONNECT THE FEEDER AND BRANCH CIRCUITS TERMINATING PRESENTLY IN PANEL LA-1 AND REMOVE LA-1. RECONNECT FEEDERS AND BRANCH CIRCUITS TO NEW PANEL LA AT NEW LOCATION.
4. EXTEND EXISTING CORRIDOR LIGHTING CIRCUIT TO CONNECT C AND D FIXTURES IN NEW SPACE CORRIDOR.
5. EXTEND SPEAKER CIRCUIT FROM EXISTING INTERCONNECTING TELEPHONE OUTLET TO NEW TELEPHONE AND SPEAKER OUTLETS IN NEW SPACE.
6. EXTEND CLOCK CIRCUIT FROM EXISTING CLOCK OUTLET TO CLOCK OUTLETS IN NEW SPACE.
7. FROM EXISTING FIRE ALARM JUNCTION BOX IN CORRIDOR EXTEND INITIATING AND ALARM CIRCUITS TO FIRE ALARM DEVICES IN NEW SPACE.
8. EXTEND EXISTING RECEPTACLE CIRCUIT TO INCLUDE NEW CIRCULATOR PUMP AND CONTROLS.
9. DISCONNECT AND REMOVE ALL EXISTING RECEPTACLES, SURFACE RACEWAY AND WIRING IN EXISTING STORE ROOM.
10. ON CIRCUIT LA-33 FURNISH AND INSTALL WIRING AND DISCONNECT SWITCH FOR DRAIN PIPE HEAT TRACING FURNISHED AND INSTALLED UNDER DIVISION 16. DISCONNECT SWITCH SHALL BE 30 AMP, SINGLE POLE.

**"As Built Drawings"**  
ELECTRICAL PLAN AND DETAILS

**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.



ORIGINAL FULL SIZE DRAWING - 4"  
REPRODUCTIONS MAY BE REDUCED SIZE

APPROVED  
DESIGNED: RKC  
DRAWN: E.C.C.  
CHECKED: DLR  
SCALE: AS NOTED  
DATE: DEC, 1986

DRAWING NO. E-1  
JOB NO. 86-164  
CONTRACT NO.

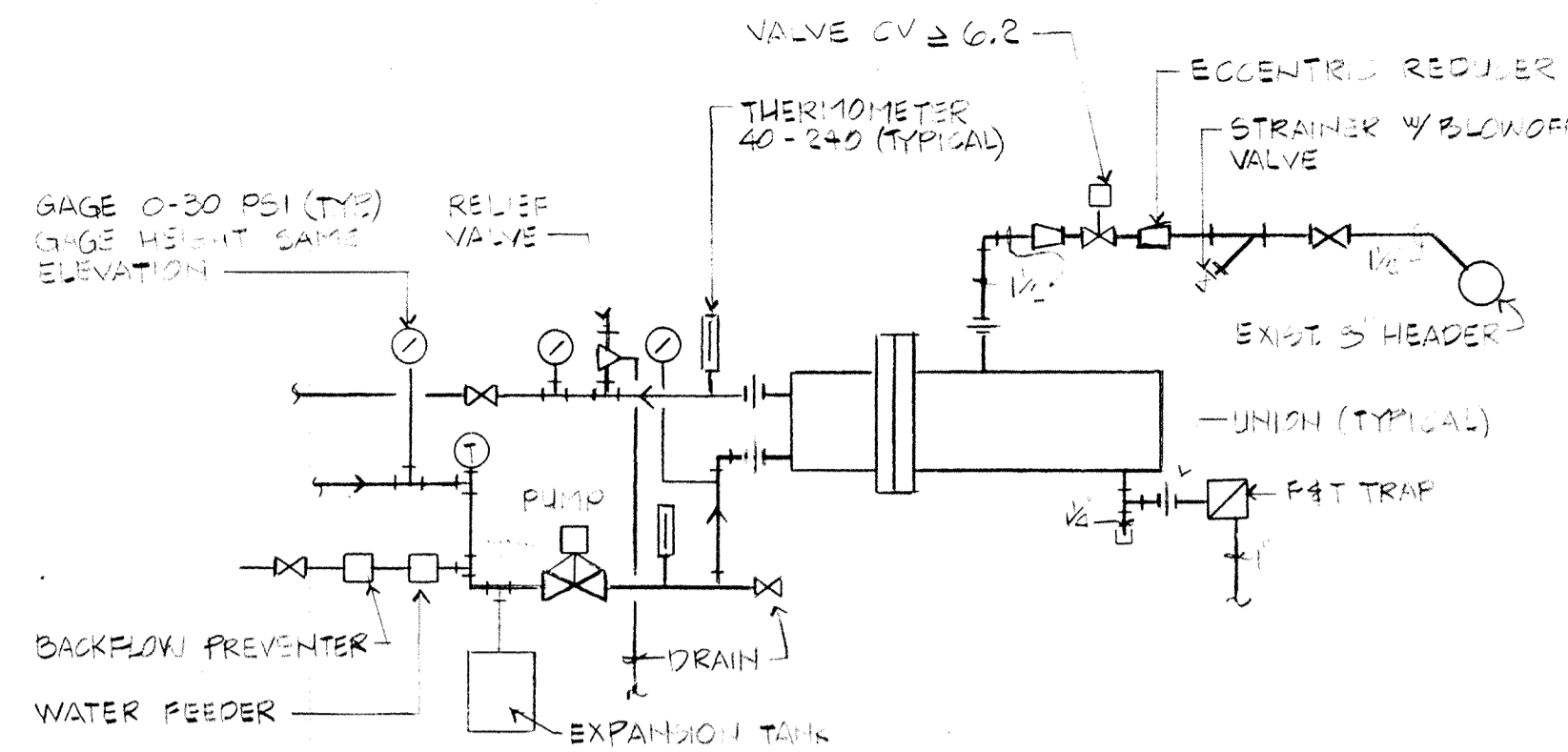
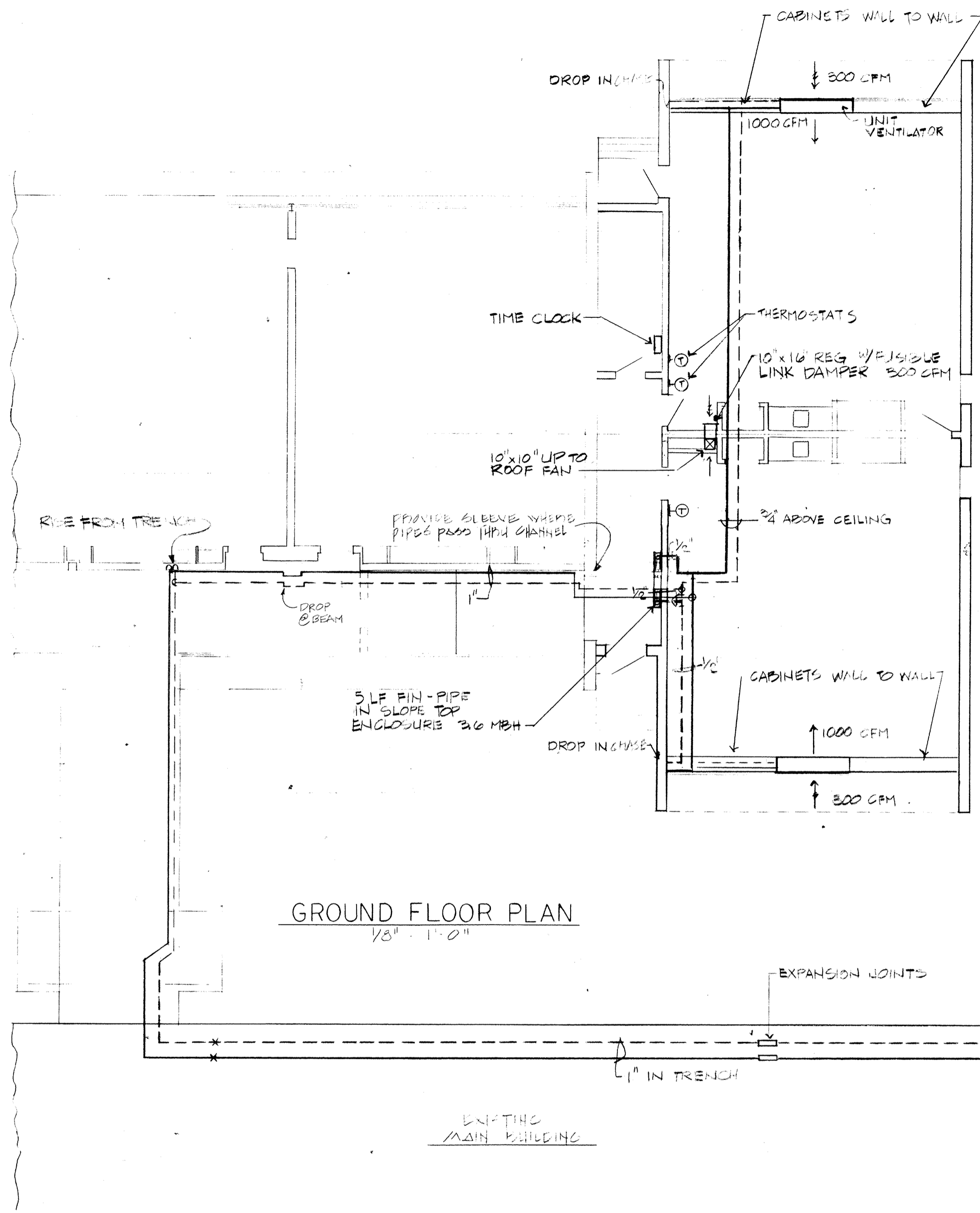
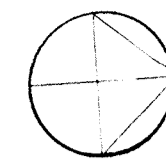
PROPOSED ADDITIONS AND RENOVATIONS

NEWTON, MASS.

COUNTRYSIDE ELEMENTARY SCHOOL

NO.	DESCRIPTION	DATE

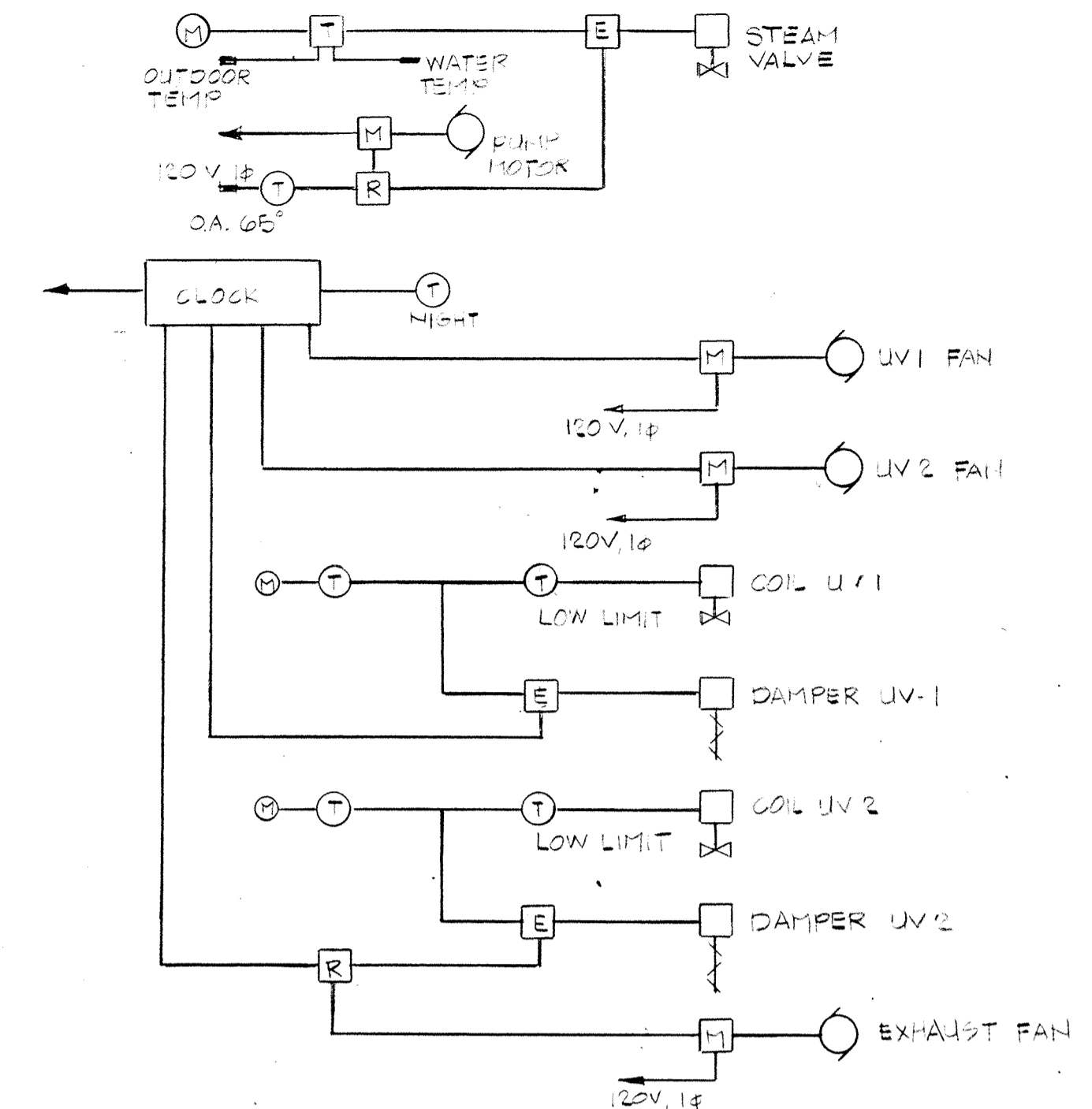
SHEET 10 OF 10 SHEETS



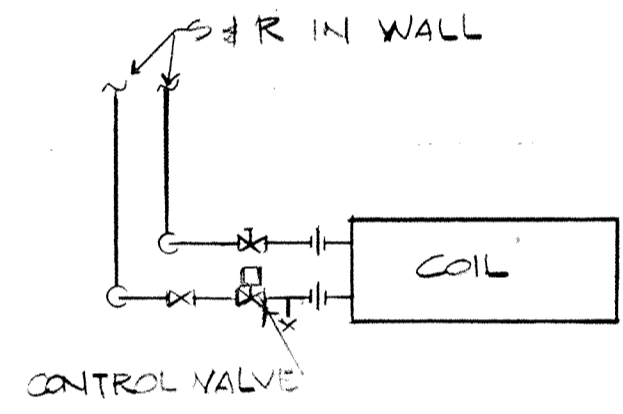
PIPING AT CONVERTOR  
NO SCALE

- (A) CONVERTOR (STEAM TO WATER) 4 GPM, 140-190°F WITH STEAM AT OPSI, WATER SIDE P.R. LESS THAN 1 FT.
- (B) CIRCULATOR - MINIMUM 4 GPM AT 13 FT AND 8 GPM AT 3 FT
- (C) DIAPHRAM TYPE EXPANSION TANK
- (D) EXISTING 3" STEAM HEADER
- (E) EXISTING 3" STEAM HEADER
- (F) CONTROL VALVE
- (G) 3/4" FAT TRAP

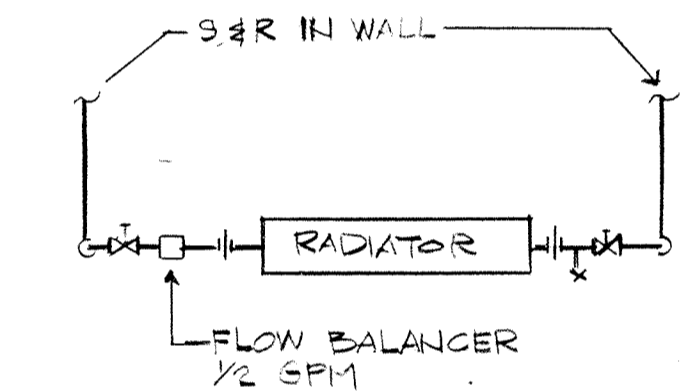
- CONTROL LEGEND
- (T) THERMOSTAT
  - (M) MAIN 20 PSI AIR
  - (E) E.P. SWITCH
  - (M) MANUAL STARTER
  - (K) RELAY
  - (M) MOTOR



CONTROL WIRING DIAGRAM  
NO SCALE

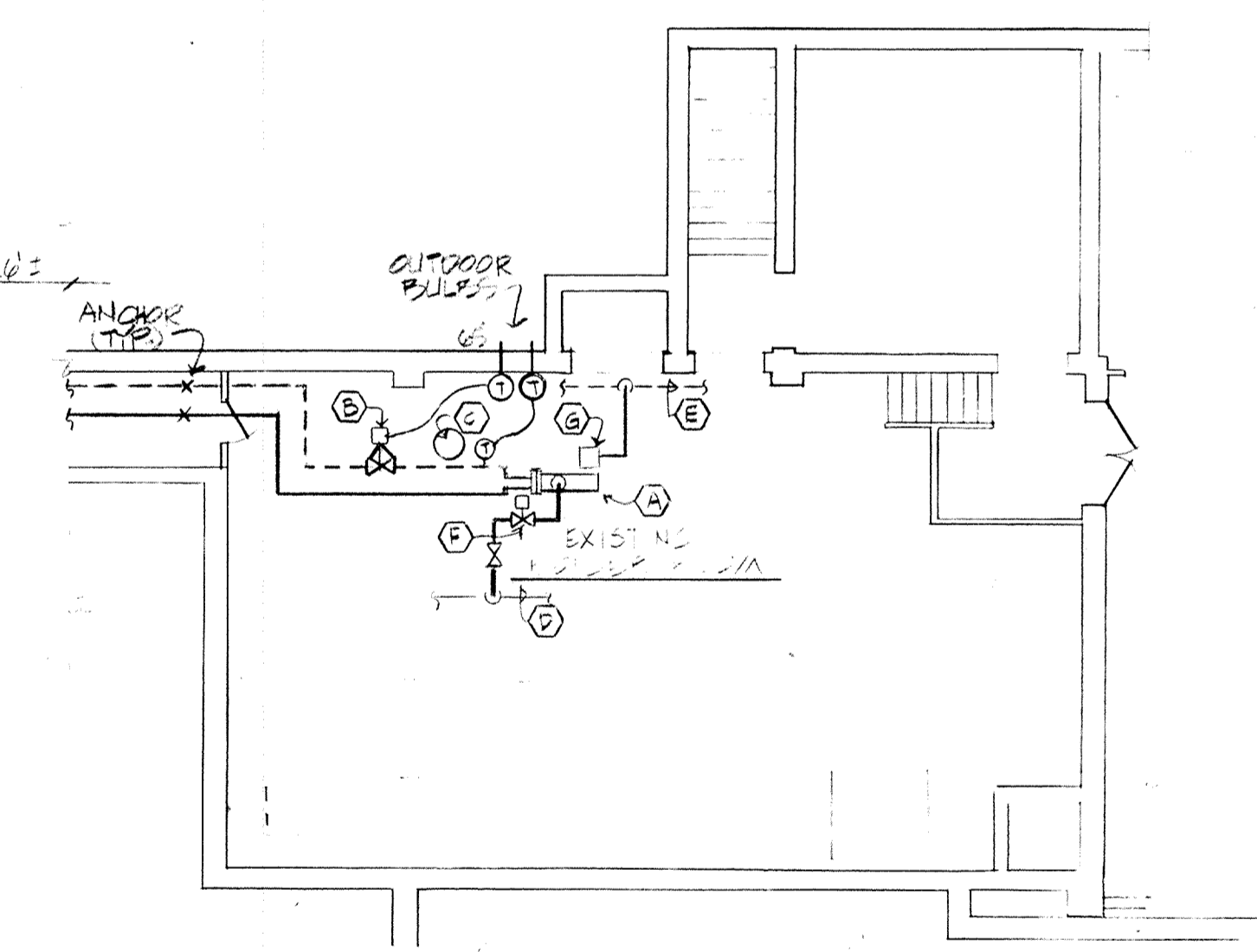


UNIT VENTILATOR



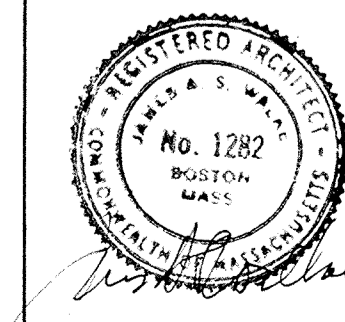
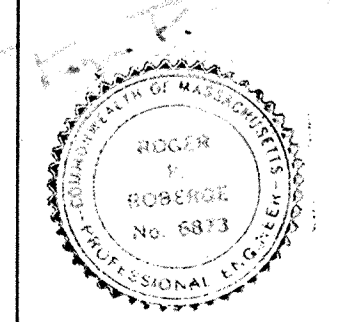
FIN PIPE RADIATOR

PIPING DETAILS



NO.	DESCRIPTION	DATE

**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.



ORIGINAL FULL SIZE DRAWING = 4" REPRODUCTIONS MAY BE REDUCED SIZE			
DESIGNED	DRAWN	CHECKED	SCALE
			AS SHOWN
DATE	DEC. 1986		

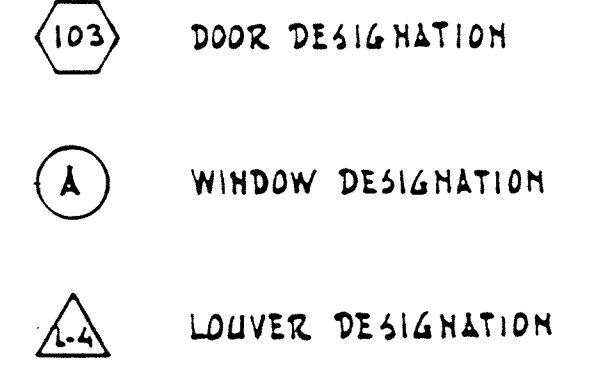
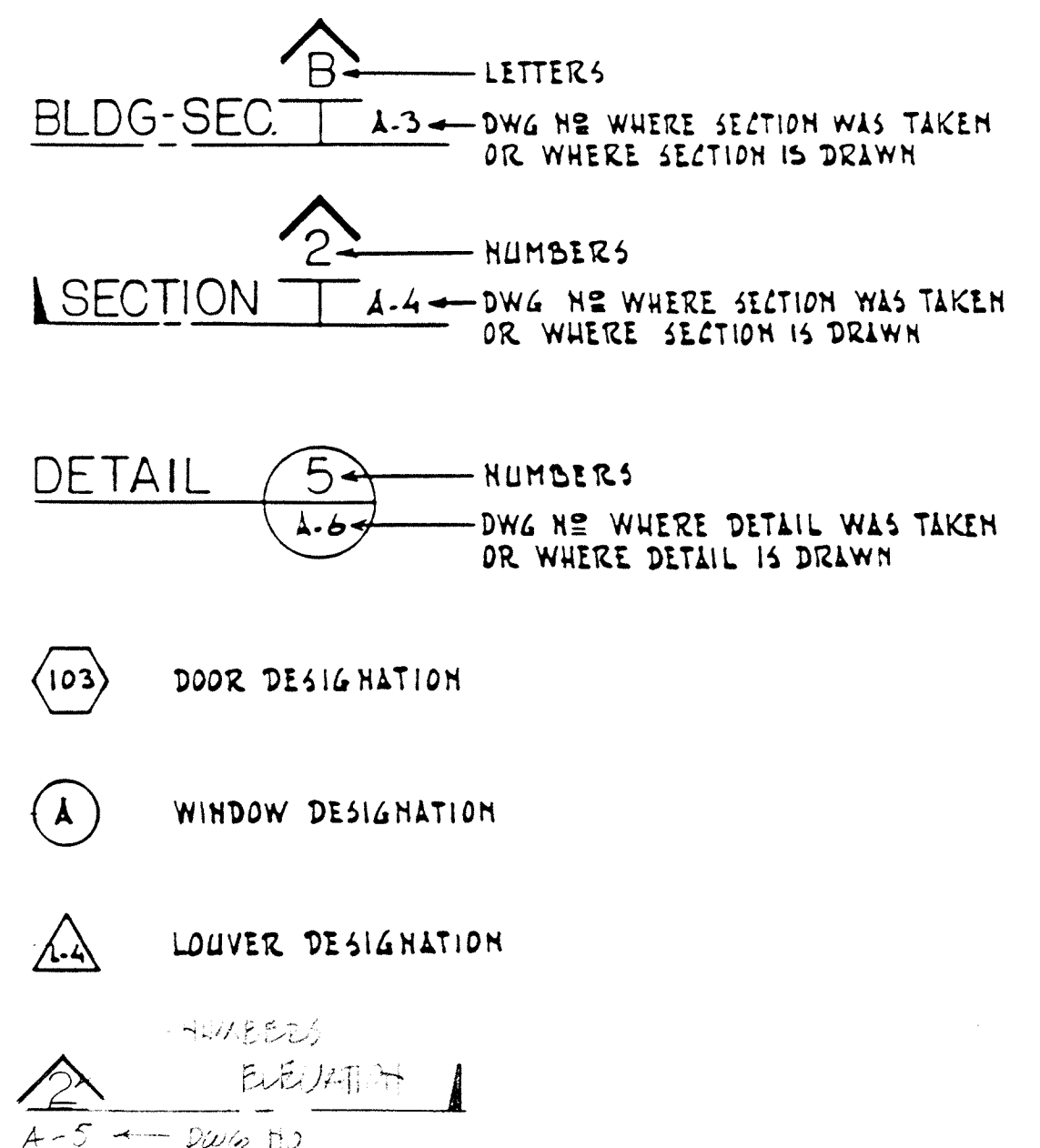
DRAWING NO.	H-1
JOB NO.	86-164
CONTRACT NO.	
SHEET 9 OF 10 SHEETS	

"As BUILT DRAWINGS"  
HEATING AND VENTILATING PLAN AND DETAILS  
PROPOSED ADDITIONS AND RENOVATIONS  
**NEWTON, MASS.**  
COUNTRYSIDE ELEMENTARY SCHOOL

**SYMBOLS USED AS ABBREVIATIONS:**

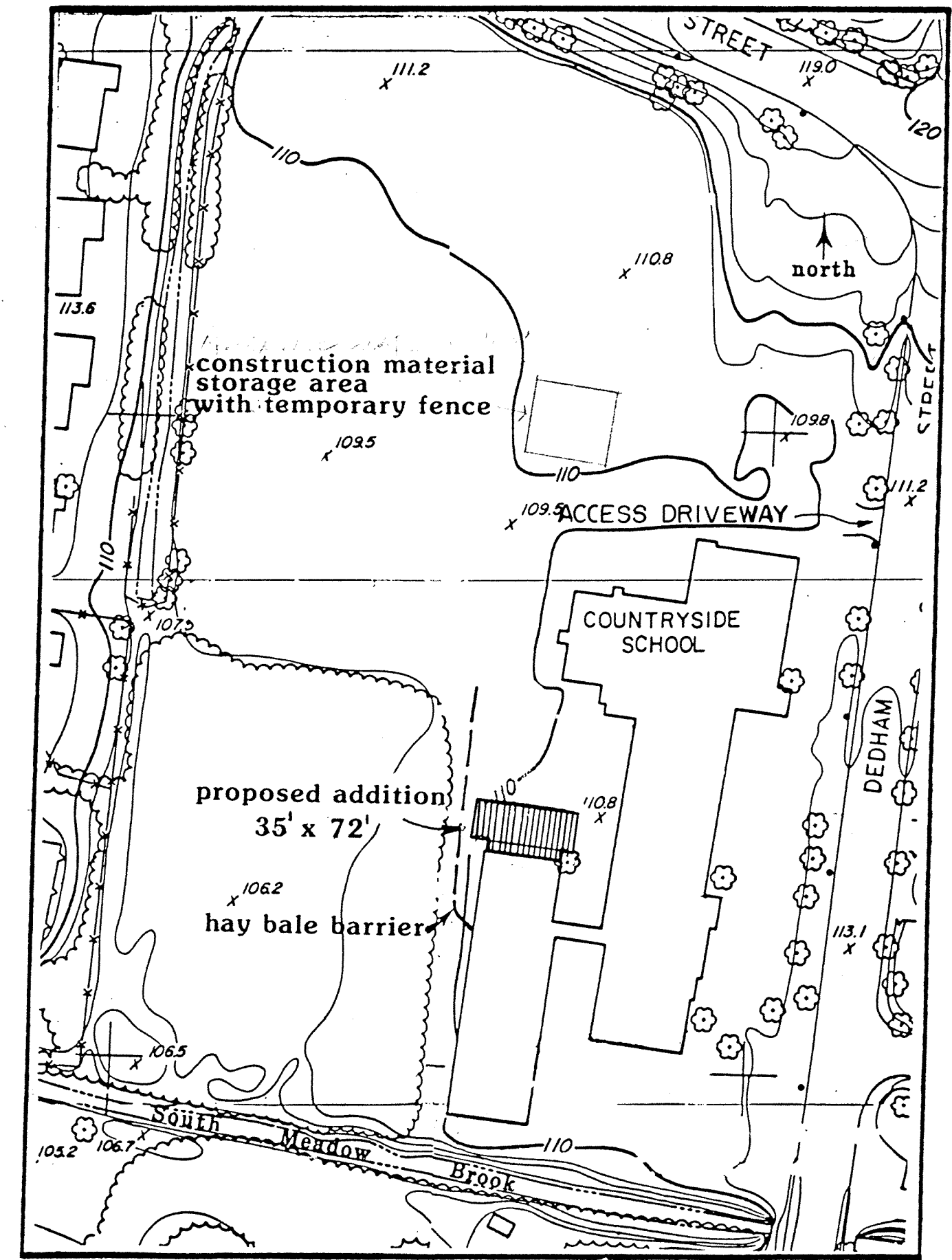
DA DOUBLE DASHING	DB DOUBLE BUNG	DN INSULATING DRAIN	NSC PRESTRESSED CONCRETE
DRB DRAINBOARD	DRA DRAIN	INSF INSULATING FILL	PL PROPERTY LINE
DRA DRAIN	DRD DRAINBOARD	INT INTERIOR	QT QUARRY TILE
DRB DRAINBOARD	DRD DRAINBOARD	INT INTERIOR	QT QUARRY TILE
DRD DRAINBOARD	DRD DRAINBOARD	INT INTERIOR	QT QUARRY TILE
DRD DRAINBOARD	DRD DRAINBOARD	INT INTERIOR	QT QUARRY TILE
DRD DRAINBOARD	DRD DRAINBOARD	INT INTERIOR	QT QUARRY TILE
DRD DRAINBOARD	DRD DRAINBOARD	INT INTERIOR	QT QUARRY TILE
DRD DRAINBOARD	DRD DRAINBOARD	INT INTERIOR	QT QUARRY TILE
DRD DRAINBOARD	DRD DRAINBOARD	INT INTERIOR	QT QUARRY TILE

**SYMBOLS:**



**LEGEND:**

- CONCRETE
- CONCRETE MASONRY UNIT (C.M.U.)
- CEMENT PLASTER, MORTAR OR G.P.W.
- RIGID INSULATION
- FIBERGLASS INSULATION
- LUMBER
- FINISH WOOD
- PLY-WOOD
- ACOUSTIC TILE
- STEEL

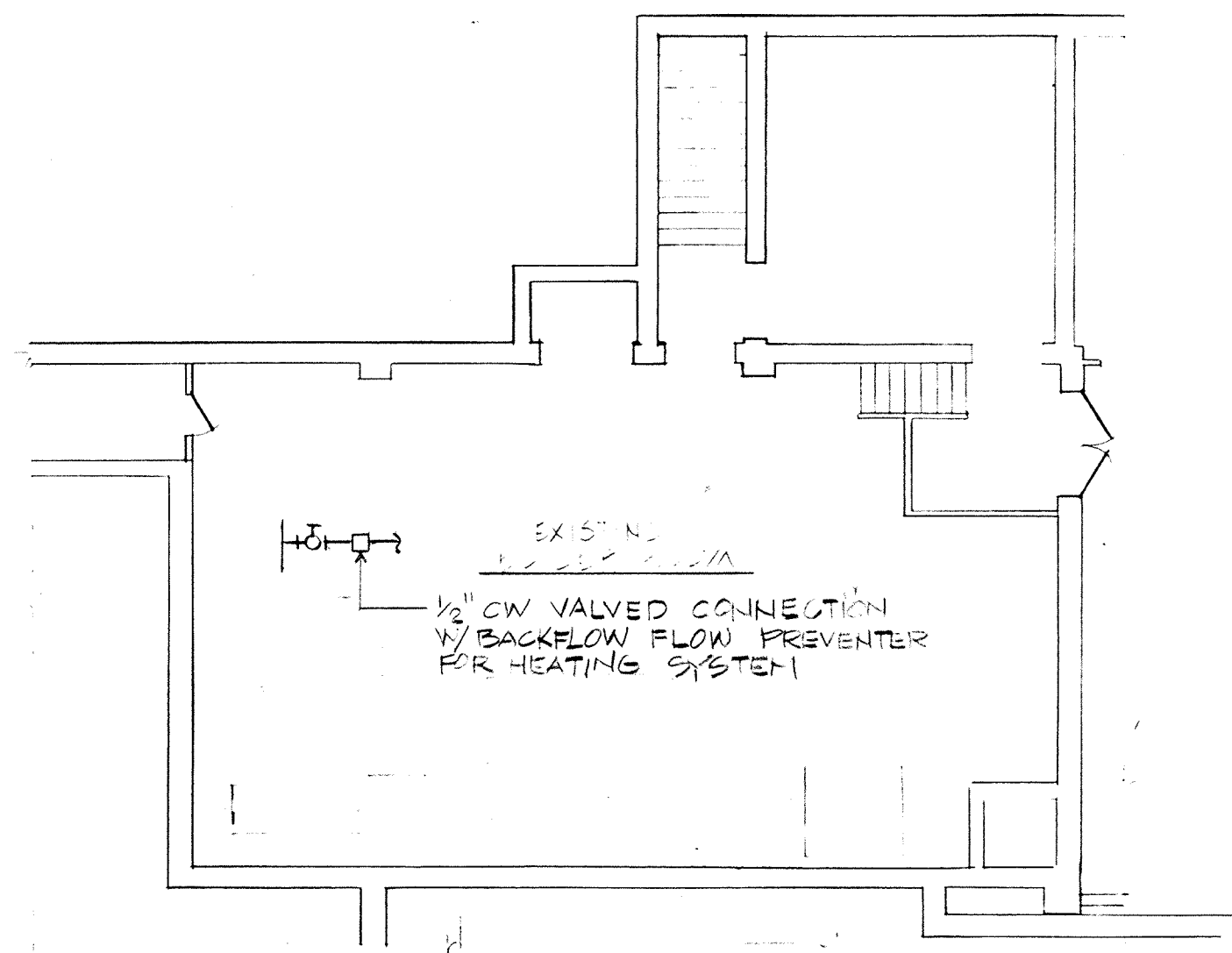
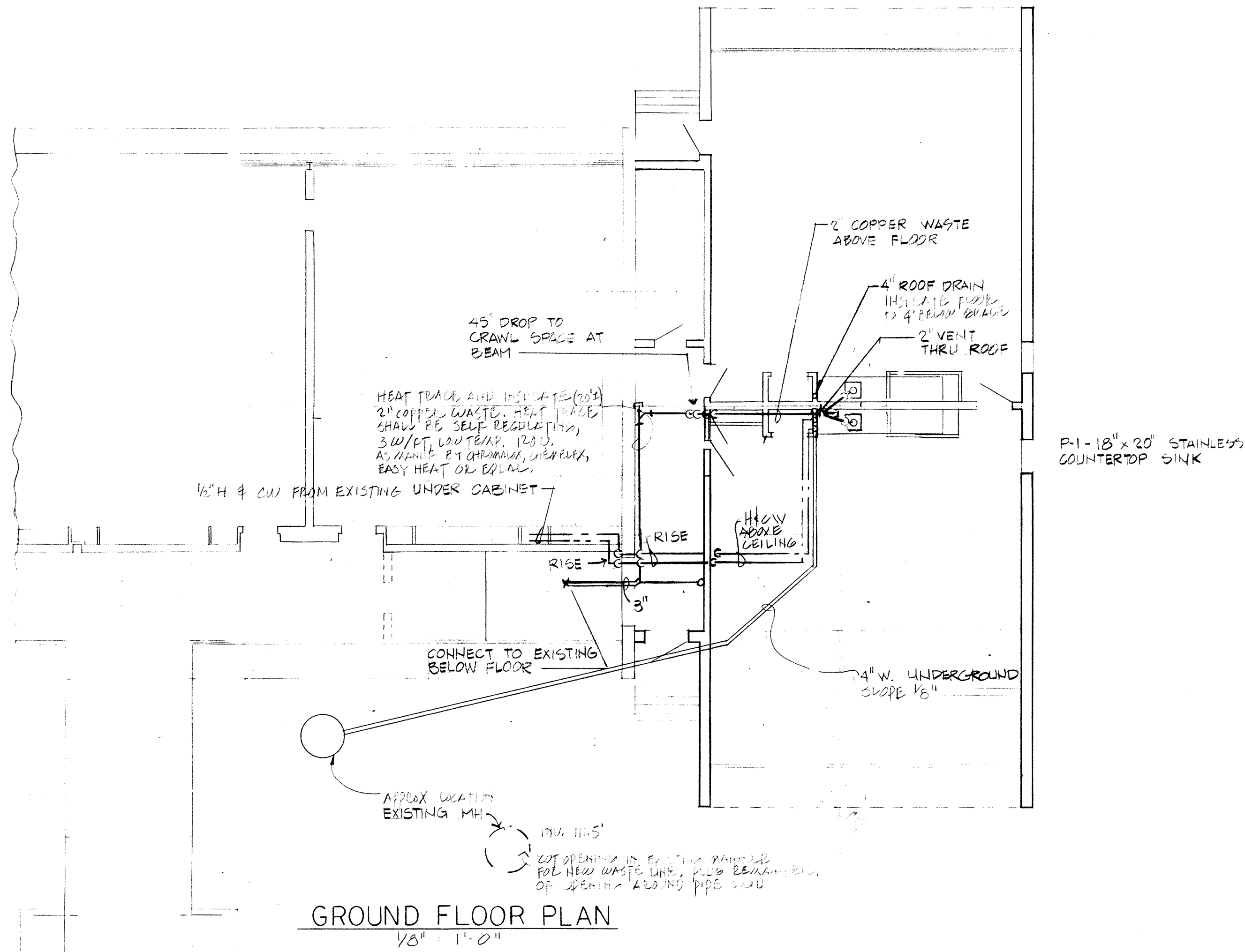
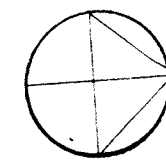


**SITE LAYOUT AND CONSERVATION PLAN**

N.T.S. "As BUILT DRAWINGS"  
 ABBREVIATIONS SYMBOLS AND SITE LAYOUT

<b>WHITMAN &amp; HOWARD, INC.</b> 45 WILLIAM STREET, WELLESLEY, MASS.		ORIGINAL FULL SIZE DRAWING = 4" x 6" REPRODUCTIONS MAY BE REDUCED SIZE	DRAWING NO. L-1 JOB NO. 86-164 CONTRACT NO.	PROPOSED ADDITIONS AND RENOVATIONS NEWTON, MASS.
		APPROVED _____ DATE DEC. 1986	DESIGNED/DRAWN DB CHECKED/SCALE AS SHOWN DATE DEC. 1986 SHEET 1 OF 10 SHEETS	COUNTRYSIDE ELEMENTARY SCHOOL

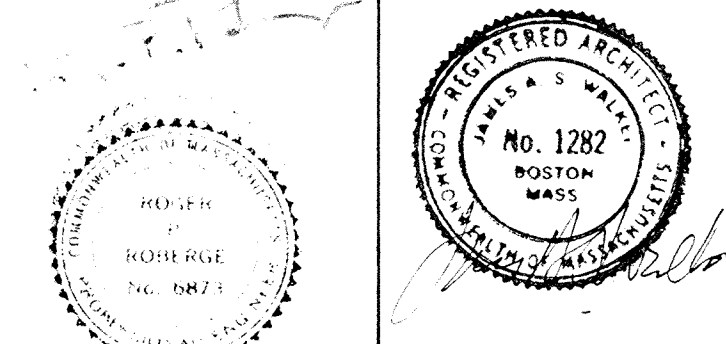
NO.	DESCRIPTION	DATE



EXISTING MAIN BUILDING

"As BUILT DRAWINGS"  
PLUMBING PLAN AND DETAILS

**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.



ORIGINAL FULL SIZE DRAWING = 4"  
REPRODUCTIONS MAY BE REDUCED SIZE

APPROVED

DESIGNED DRAWN  
EJC MPO

CHECKED  
H.G.

SCALE  
AS SHOWN

DATE  
DEC. 1986

DRAWING NO.  
**P-1**

JOB NO.  
86-164

CONTRACT NO.

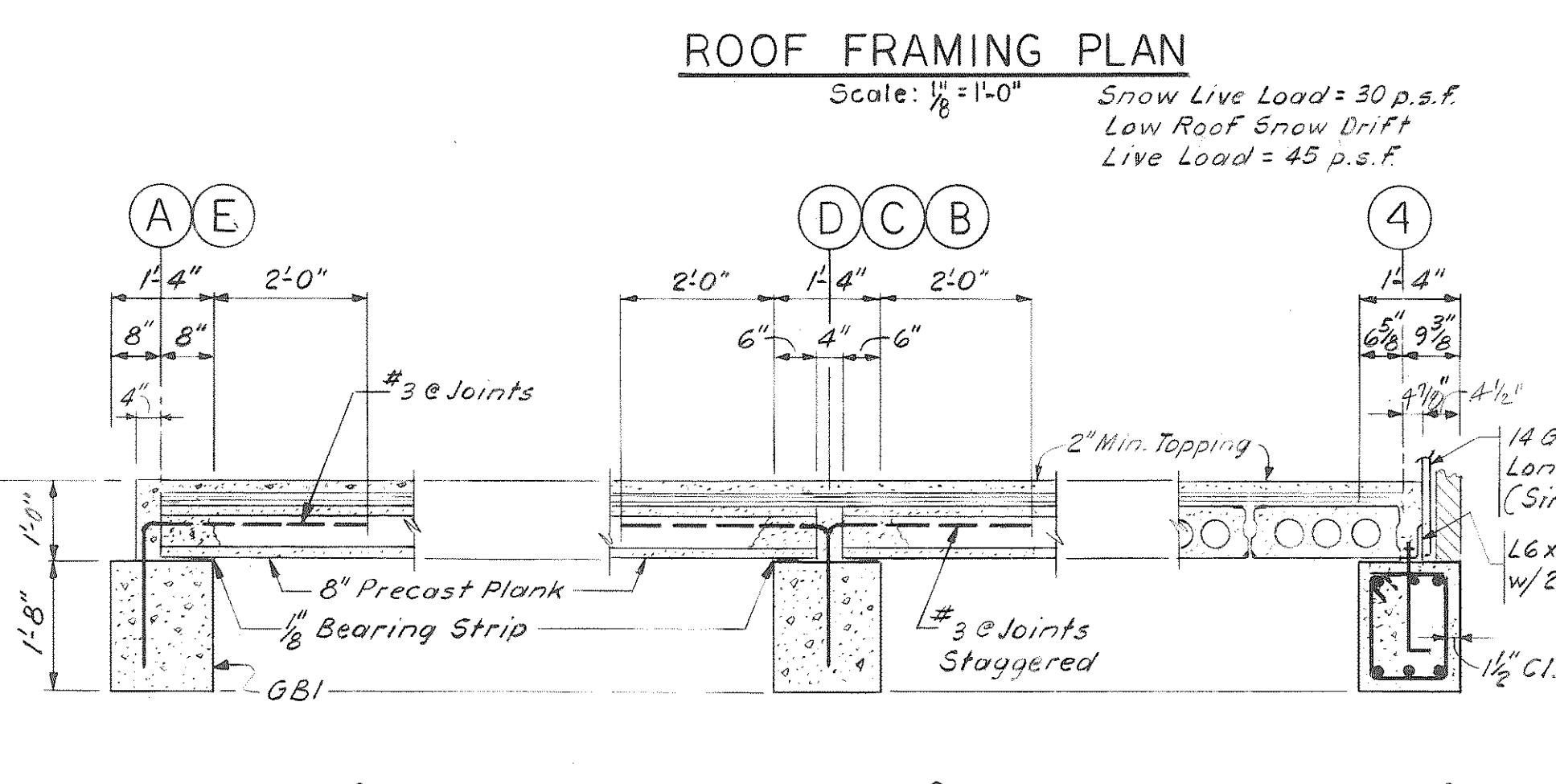
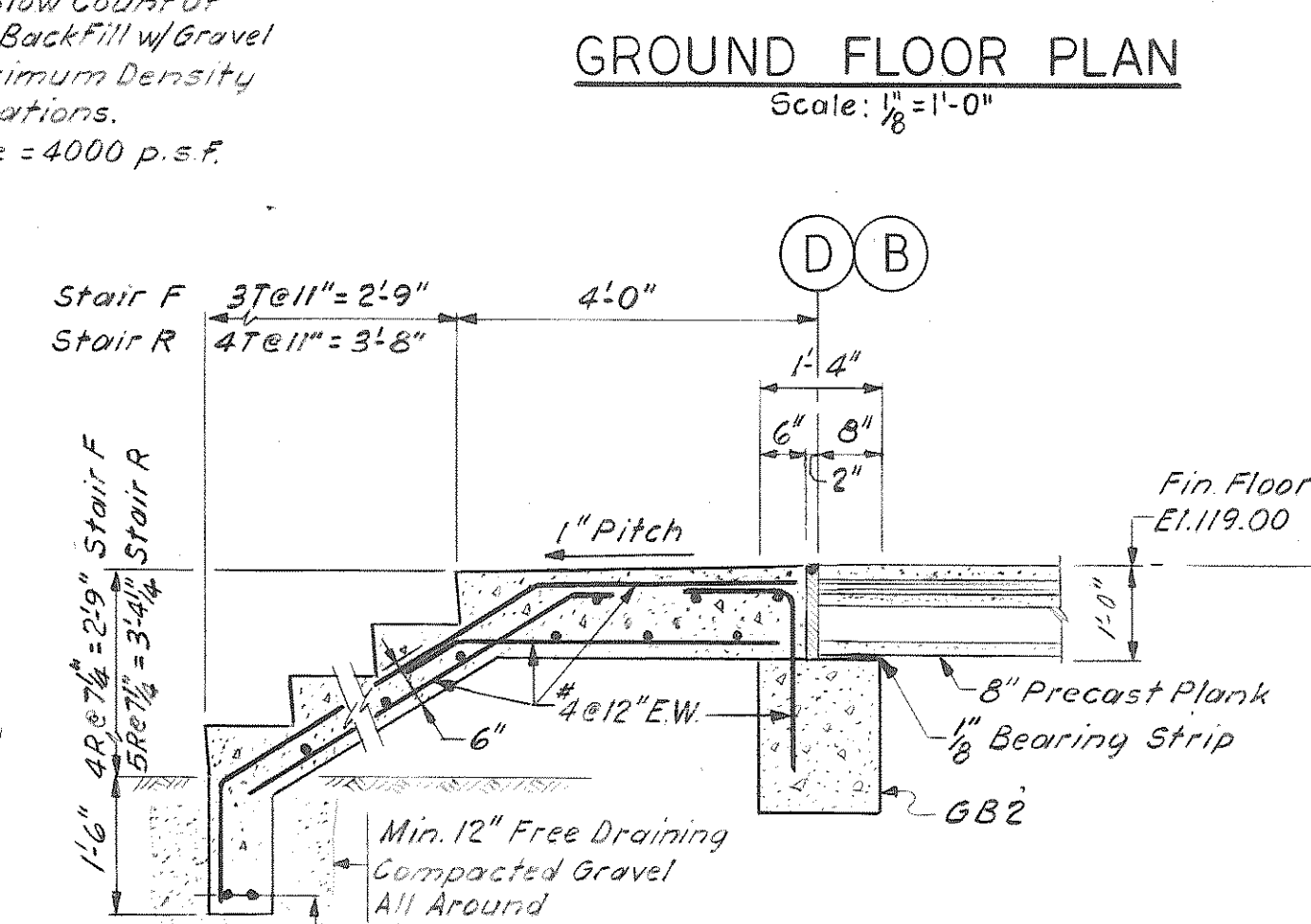
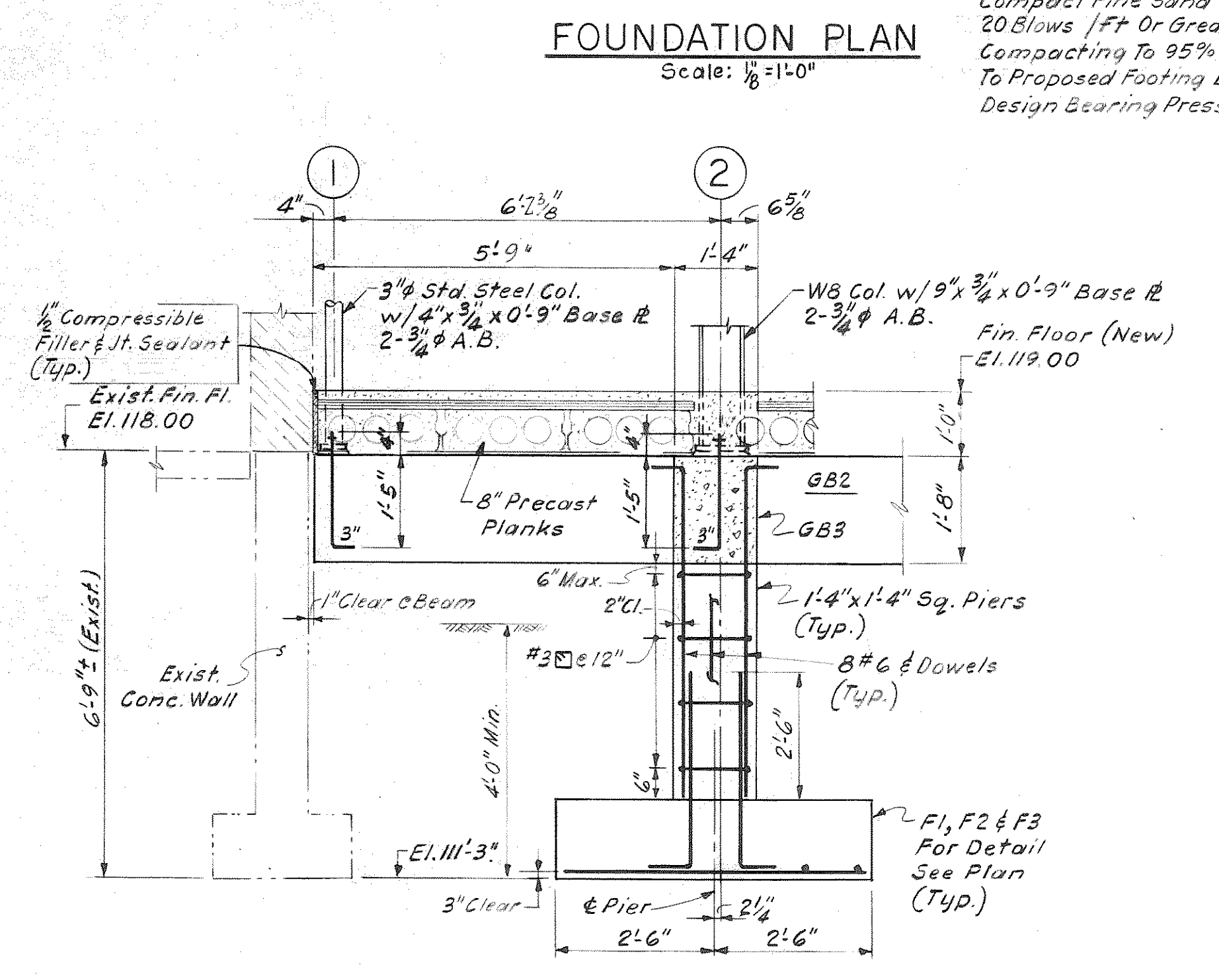
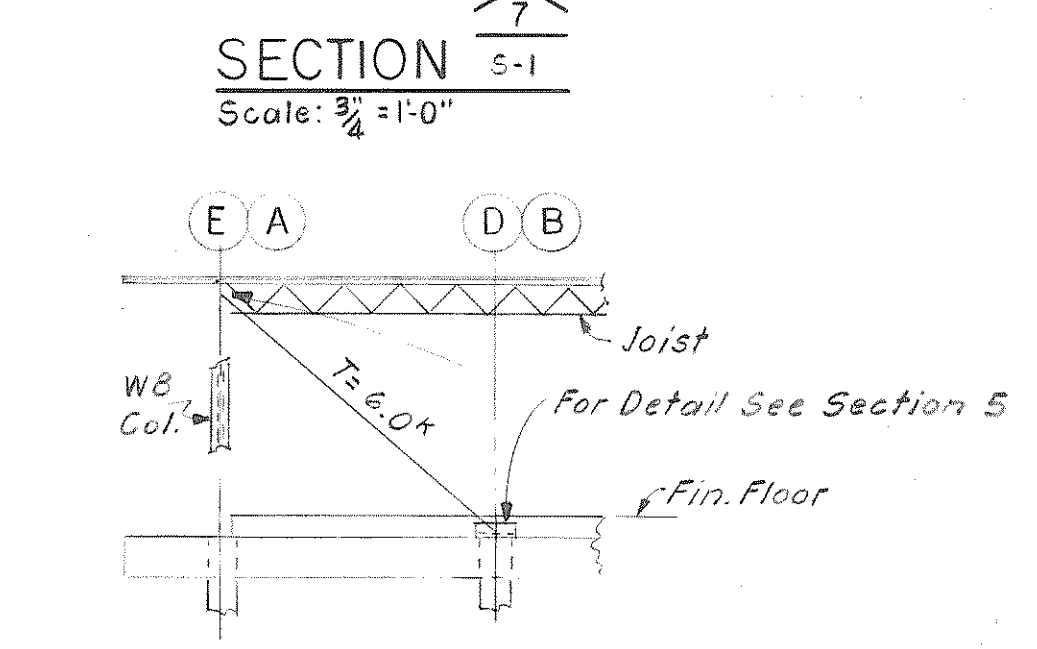
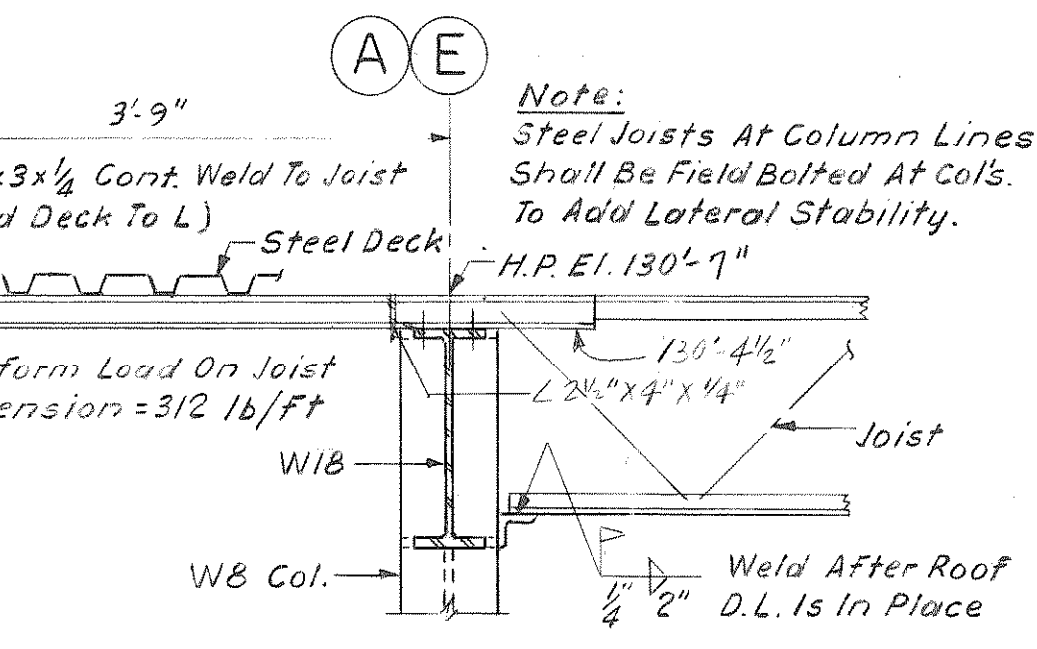
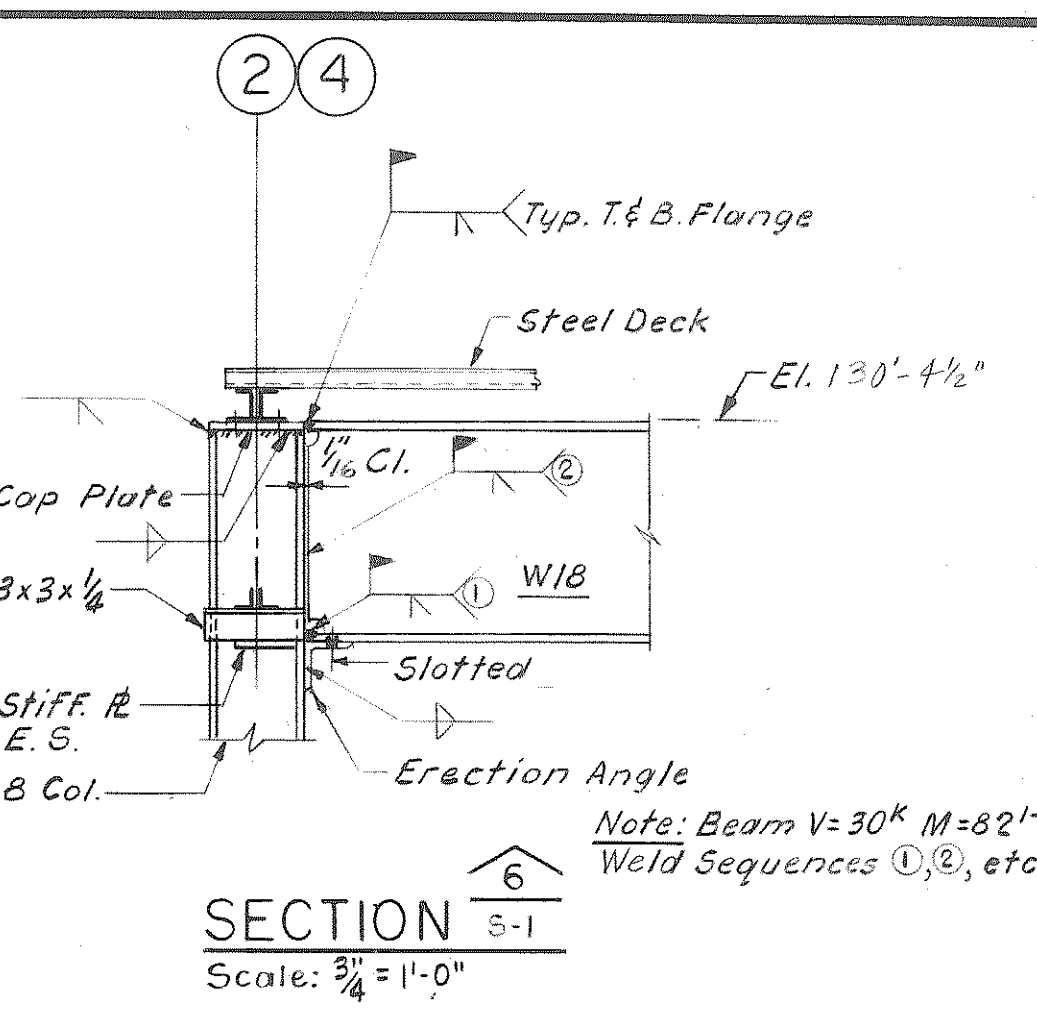
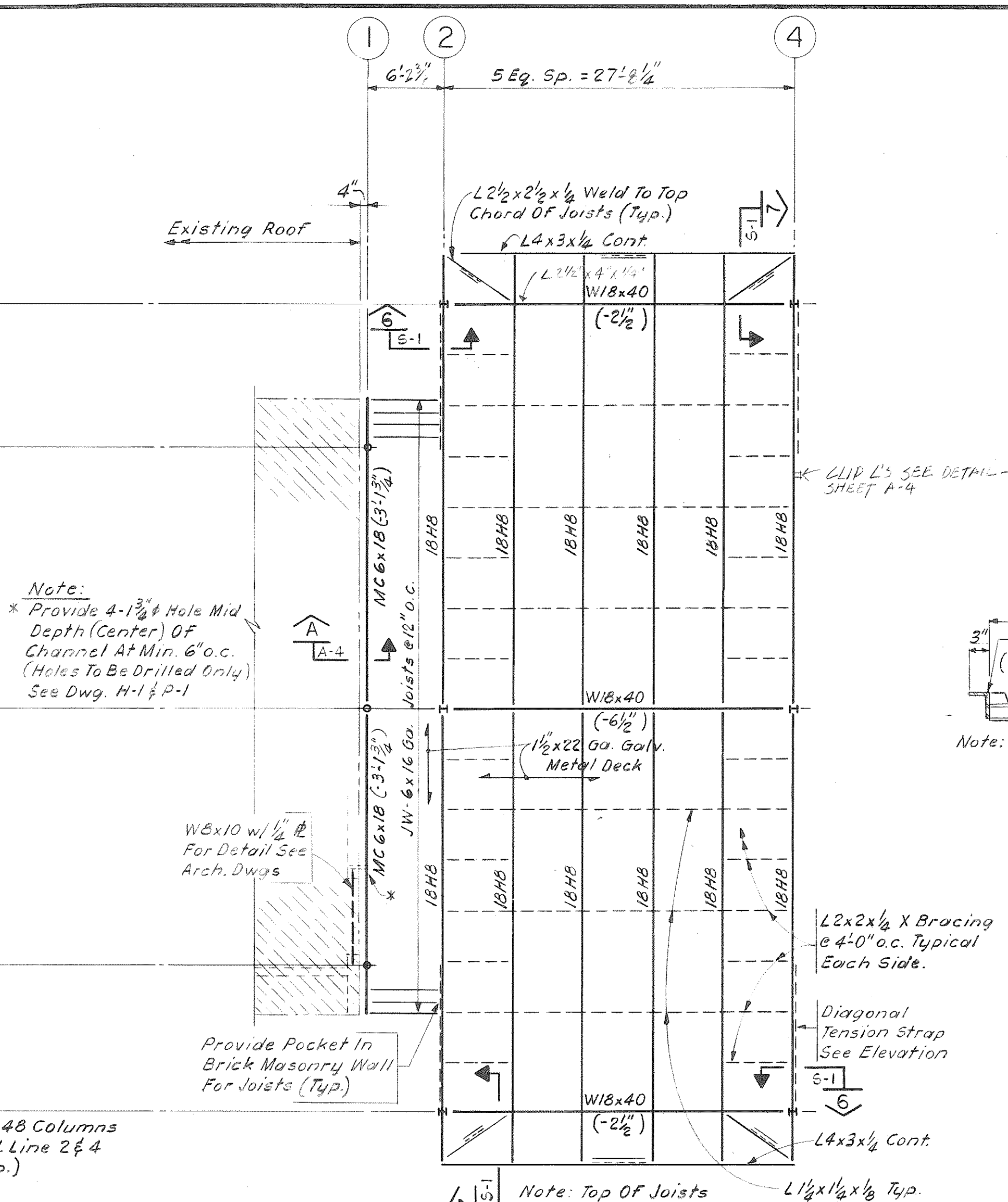
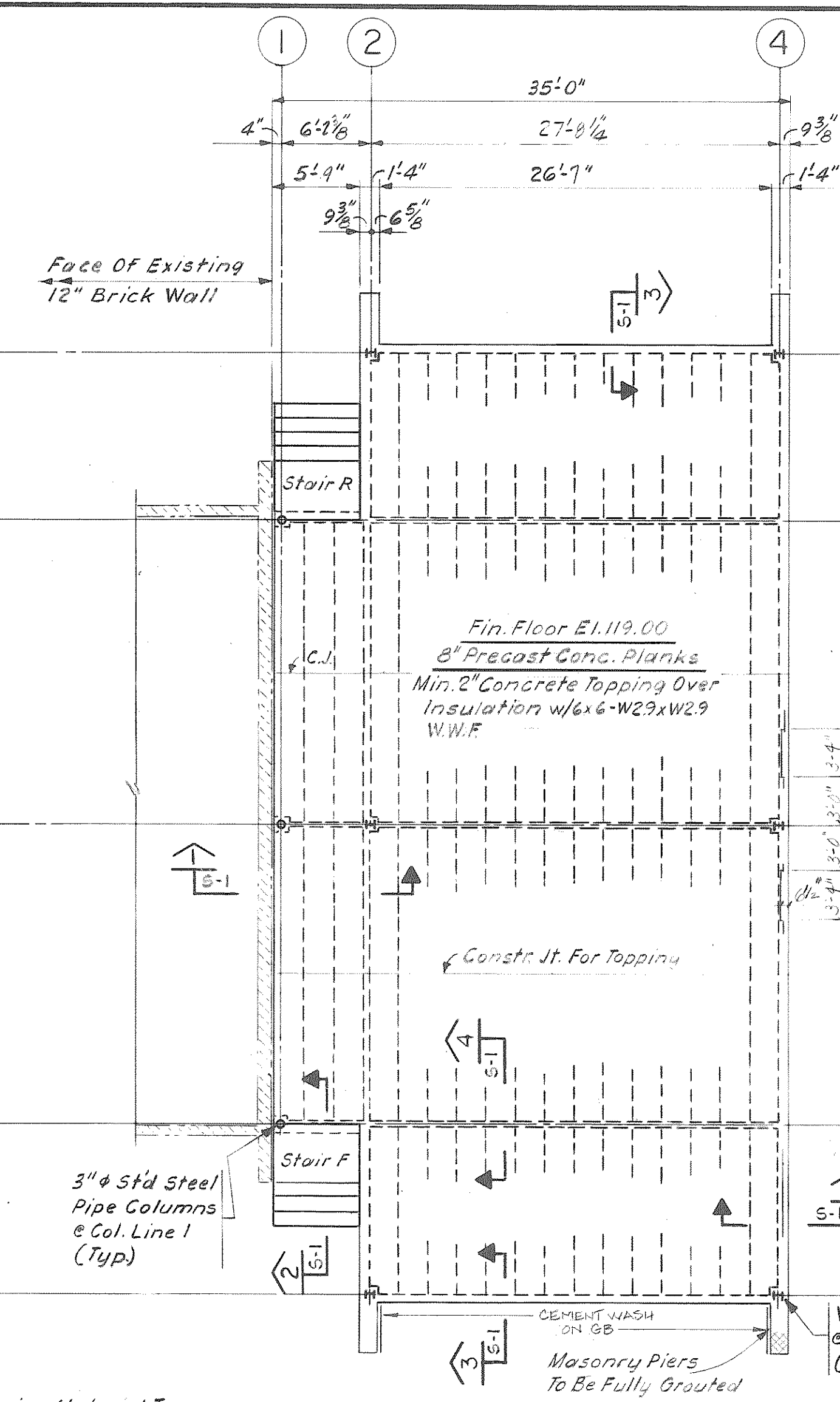
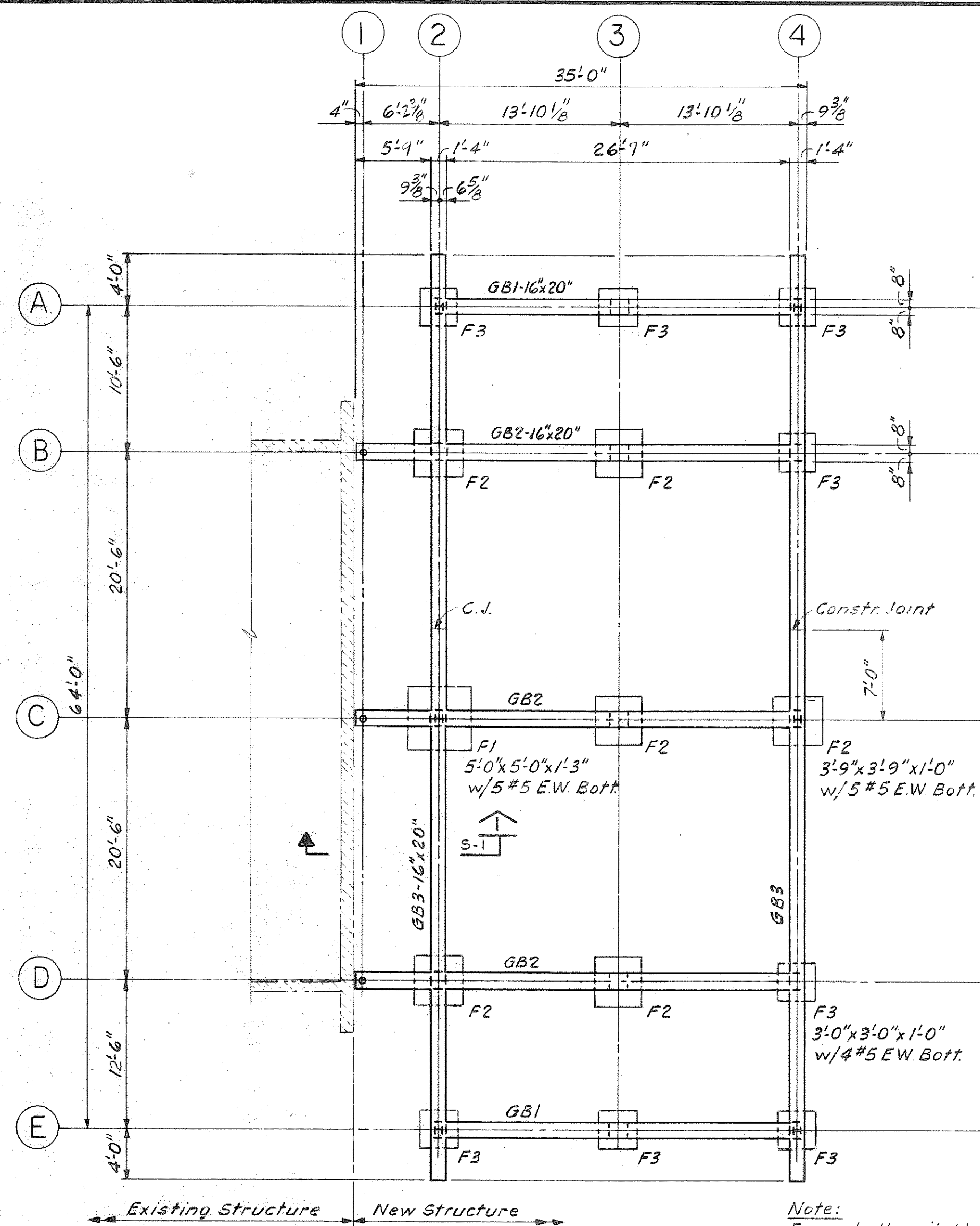
PROPOSED ADDITIONS AND RENOVATIONS

**NEWTON, MASS.**

COUNTRYSIDE ELEMENTARY SCHOOL

NO.	DESCRIPTION	DATE





- Notes:**
- All Dimensions And Conditions Must Be Verified In The Field And Any Discrepancies Shall Be Brought To The Attention Of The Engineer Before Proceeding With The Affected Portion Of Work.
  - All Concrete Shall Have A Minimum 28-Day Compressive Strength Of 4000 p.s.i. Unless Otherwise Noted.
  - No Footings Shall Be Poured On Loose Or Undisturbed Soils, In Water Nor On Frozen Ground.
  - All Welding Shall Be Done By Certified Welders And Shall Conform To A.W.S. Specifications, Amended To Date.

NO.	DESCRIPTION	DATE

**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.

Structure  
Richard J. Devano

**ORIGINAL FULL SIZE DRAWING = 4"**  
REPRODUCTIONS MAY BE REDUCED SIZE

APPROVED

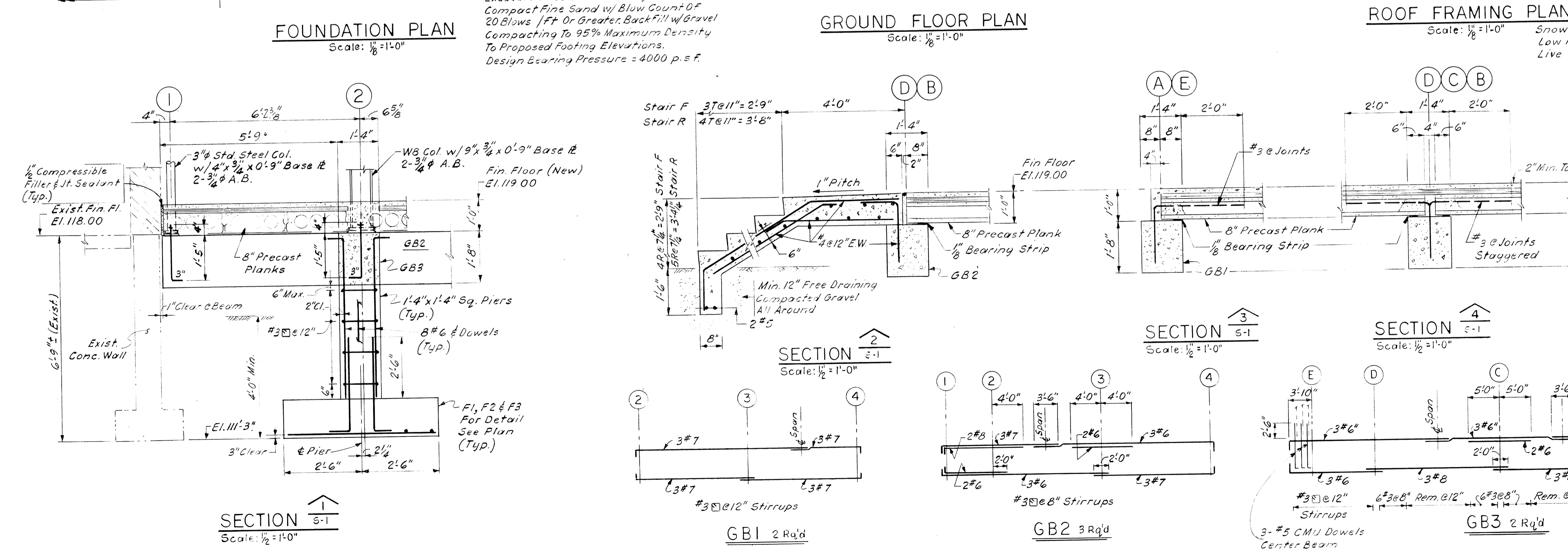
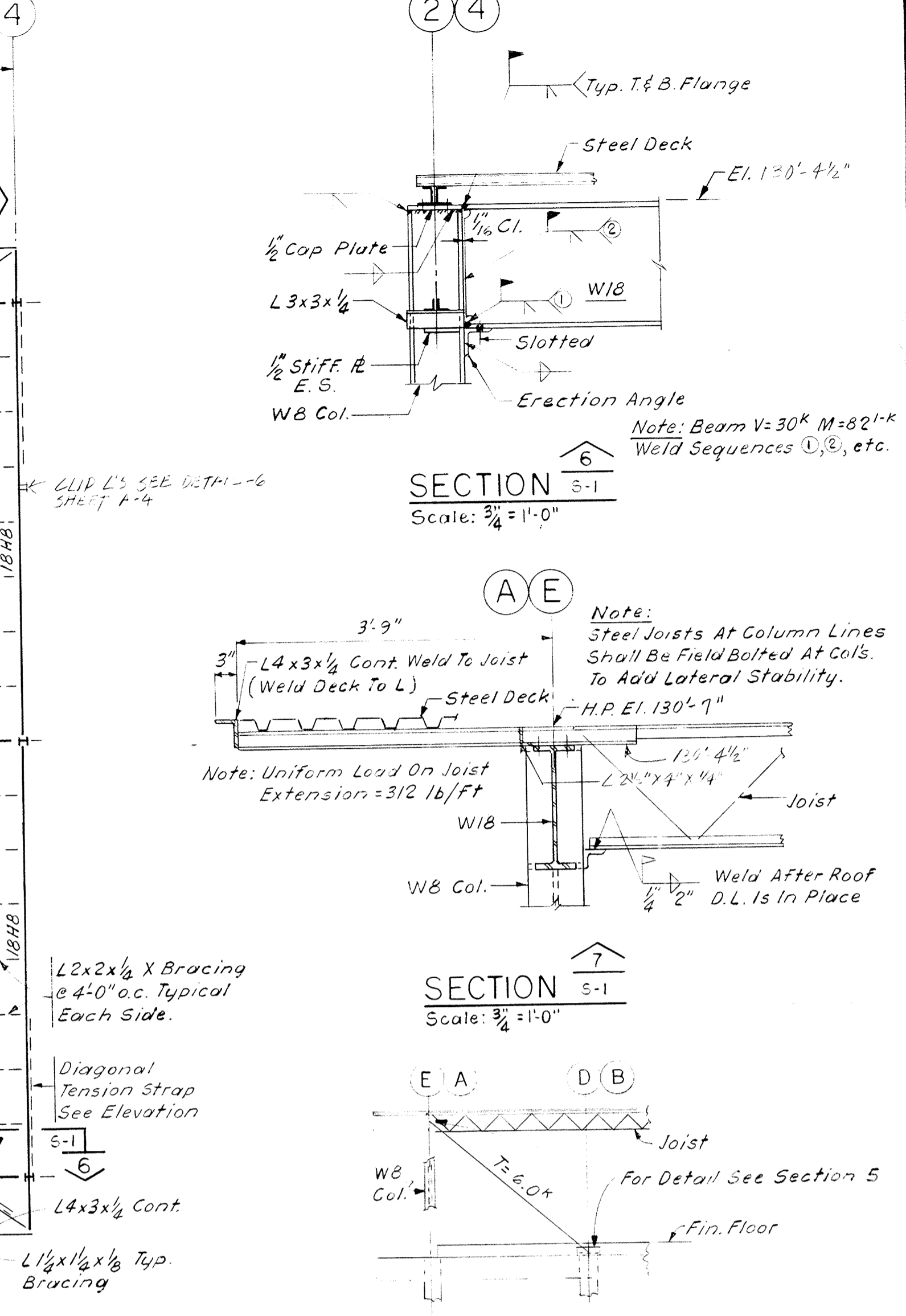
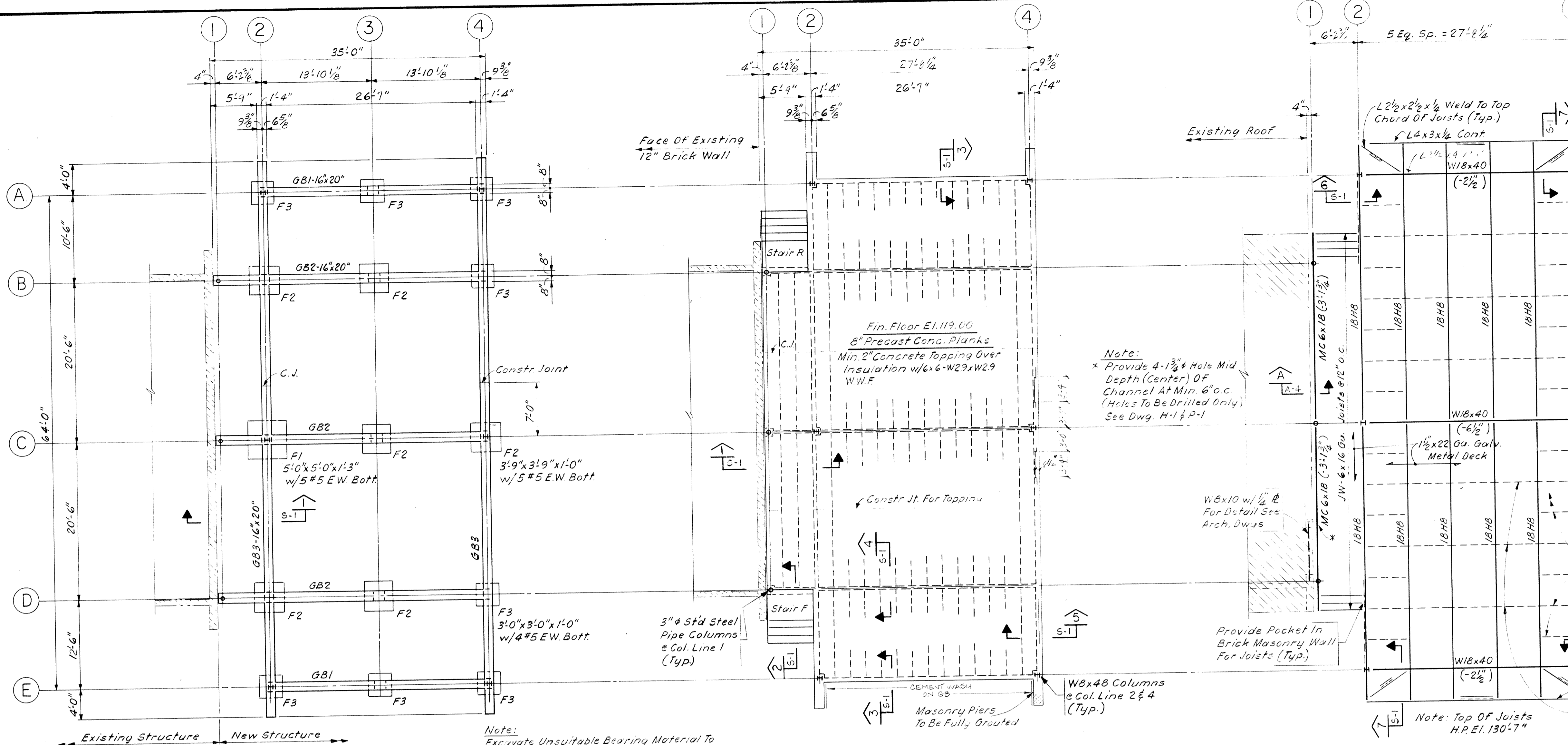
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CHECKED: E.W.  
SCALE: AS NOTED  
DATE: DEC. 1986

DRAWING NO. **S-1**  
JOB NO. 86-164  
CONTRACT NO.

SHEET 7 OF 10 SHEETS

**"As BUILT DRAWINGS"**  
FOUNDATION, FLOOR AND ROOF FRAMING PLAN AND DETAILS

PROPOSED ADDITIONS AND RENOVATIONS  
**NEWTON, MASS.**  
COUNTRYSIDE ELEMENTARY SCHOOL



**Notes:**

- All Dimensions And Conditions Must Be Verified In The Field And Any Discrepancies Shall Be Brought To The Attention Of The Engineer Before Proceeding With The Affected Portion Of Work.
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- All Welding Shall Be Done By Certified Welders And Shall Conform To A.W.S. Specifications, Amended To Date.

**"As BUILT DRAWINGS"**  
FOUNDATION, FLOOR AND ROOF FRAMING PLAN AND DETAILS

**FOUNDATION PLAN**  
Scale: 1/8" = 1'-0"

**GROUND FLOOR PLAN**  
Scale: 1/8" = 1'-0"

**ROOF FRAMING PLAN**  
Scale: 1/8" = 1'-0"

**TENSION STRAP ELEV. (4 Req'd)**  
Scale: 1/8" = 1'-0"

**SECTION 1**  
Scale: 1/2" = 1'-0"

**SECTION 2**  
Scale: 1/2" = 1'-0"

**SECTION 3**  
Scale: 1/2" = 1'-0"

**SECTION 4**  
Scale: 1/2" = 1'-0"

**SECTION 5**  
Scale: 1/2" = 1'-0"

**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.

Structural  
Robert J. Williams  
[Professional Engineer Seal]

ORIGINAL FULL SIZE DRAWING = 4"  
REPRODUCTIONS MAY BE REDUCED SIZE

DRAWING NO. **S-1**  
JOB NO. 86-164  
CONTRACT NO.

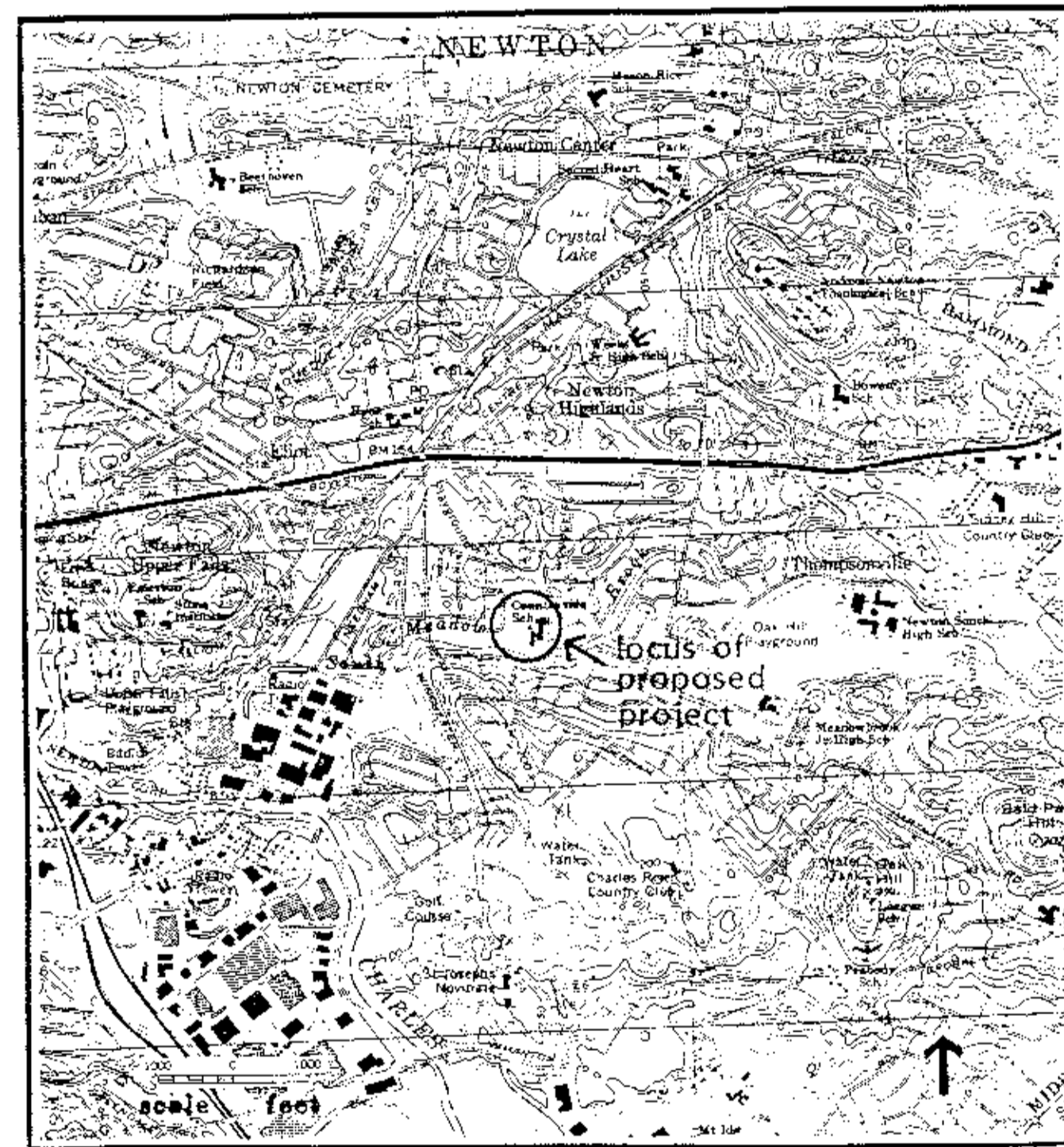
PROPOSED ADDITIONS AND RENOVATIONS  
**NEWTON, MASS.**  
COUNTRYSIDE ELEMENTARY SCHOOL

DESIGNED	DRAWN	CHECKED	SCALE	DATE
AS NOTED	AS NOTED	AS NOTED	AS NOTED	DEC. 1986

PROPOSED

"AS BUILT DRAWINGS"

# ADDITIONS AND RENOVATIONS TO COUNTRYSIDE SCHOOL NEWTON, MASS.



LOCUS PLAN

DRAWING INDEX

SHT. NO.	DWG NO.	TITLE
1	L-1	ABBREVIATIONS, SYMBOLS AND SITE LAYOUT
2	A-1	SITE PLAN AND EXTERIOR ELEVATIONS
3	A-2	FLOOR PLAN, SCHEDULES AND INTERIOR ELEVATIONS
4	A-3	INTERIOR ELEVATIONS AND DETAILS
5	A-4	WALL SECTIONS AND DETAILS
6	A-5	DOOR, WINDOW AND ROOF DETAILS
7	S-1	FOUNDATION, FLOOR AND ROOF FRAMING PLANS AND DETAILS
8	P-1	PLUMBING PLAN AND DETAILS
9	H-2	HEATING AND VENTILATING PLAN AND DETAILS
10	E-1	ELECTRICAL PLAN AND DETAILS

"AS BUILT DRAWINGS"

SUBMITTED BY CASBY BROS., INC.

*by [Signature]*

WHITMAN & HOWARD INC.

45 WILLIAM STREET WELLESLEY, MASSACHUSETTS

SYMBOLS USED AS ABBREVIATIONS:

Table with 2 columns: Symbol and Description. Includes entries like ANGLE, CENTERLINE, CHANNEL, PENNY, PERPENDICULAR, PLATE, ROUND.

ABBREVIATIONS:

Table with 2 columns: Abbreviation and Description. Includes entries like ABF ABOVE, AFF ABOVE FINISHED FLOOR, ASC ABOVE SUSPENDED CEILING.

Table with 2 columns: Abbreviation and Description. Includes entries like BPF BACK PLASTER (ED), BSMT BASEMENT, BRG BEARING, BPL BEARING PLATE.

Table with 2 columns: Abbreviation and Description. Includes entries like CAB CABINET, CAD CADMIUM, CPT CARPET (ED), CSMT CEMENT.

Table with 2 columns: Abbreviation and Description. Includes entries like CIPC CAST-IN-PLACE CONCRETE, CST CAST STONE, CB CATCH BASIN.

Table with 2 columns: Abbreviation and Description. Includes entries like CMT CERAMIC MOSAIC (TILE), CHBD CHALKBOARD, CHAMFER CHAMFER.

Table with 2 columns: Abbreviation and Description. Includes entries like DFR DAMPER, DP DAMPROOFING, DL DEAD LOAD.

SYMBOLS USED AS ABBREVIATIONS:

Table with 2 columns: Symbol and Description. Includes entries like ANGLE, CENTERLINE, CHANNEL, PENNY, PERPENDICULAR, PLATE, ROUND.

ABBREVIATIONS:

Table with 2 columns: Abbreviation and Description. Includes entries like EAF EACH FACE, E EAST, ELEC ELECTRIC(AL).

Table with 2 columns: Abbreviation and Description. Includes entries like FB FACE BRICK, FOC FACE OF CONCRETE, FOF FACE OF FINISH.

Table with 2 columns: Abbreviation and Description. Includes entries like FRA FRESH AIR, FS FULL SIZE, FBO FURNISHED BY OTHERS.

Table with 2 columns: Abbreviation and Description. Includes entries like GAGE GAUGE, GALV GALVANIZED, GI GALVANIZED IRON.

Table with 2 columns: Abbreviation and Description. Includes entries like HHD HAND HOLE, HBD HARDBOARD, HDW HARDWARE.

Table with 2 columns: Abbreviation and Description. Includes entries like HD HEAVY DUTY, HT HEIGHT, HX HEXAGONAL.

SYMBOLS USED AS ABBREVIATIONS:

Table with 2 columns: Symbol and Description. Includes entries like INSF INSULATING FILL, INT INTERIOR, ILK INTERLOCK.

ABBREVIATIONS:

Table with 2 columns: Abbreviation and Description. Includes entries like JC JANITOR'S CLOSET, JT JOINT, JF JOINT FILLER.

Table with 2 columns: Abbreviation and Description. Includes entries like KCPL KEENE'S CEMENT PLASTER, KPL KICKPLATE, KIT KITCHEN.

Table with 2 columns: Abbreviation and Description. Includes entries like LBL LABEL, LAB LABORATORY, LAD LADDER, LAG LAG BOLT.

Table with 2 columns: Abbreviation and Description. Includes entries like MMB MEMBER, MET METAL, MFD METAL FLOOR DECKING.

Table with 2 columns: Abbreviation and Description. Includes entries like NAIL NAILABLE, NAT NATURAL, NI NICKEL, NR NOISE REDUCTION.

Table with 2 columns: Abbreviation and Description. Includes entries like OBS OPAQUE, OP OPENING, OJ OPEN-WEB JOIST.

SYMBOLS USED AS ABBREVIATIONS:

Table with 2 columns: Symbol and Description. Includes entries like RBT RABBIT, RAB REBATE, RAD RADIUS, RL RAIL(ING).

ABBREVIATIONS:

Table with 2 columns: Abbreviation and Description. Includes entries like RE REINFORCE(D), (ING), RCP REINFORCED CONCRETE PIPE, REM REMOVE.

Table with 2 columns: Abbreviation and Description. Includes entries like SFG SAFETY GLASS, SCH SCHEDULE, SCN SCREEN, SNT SEALANT.

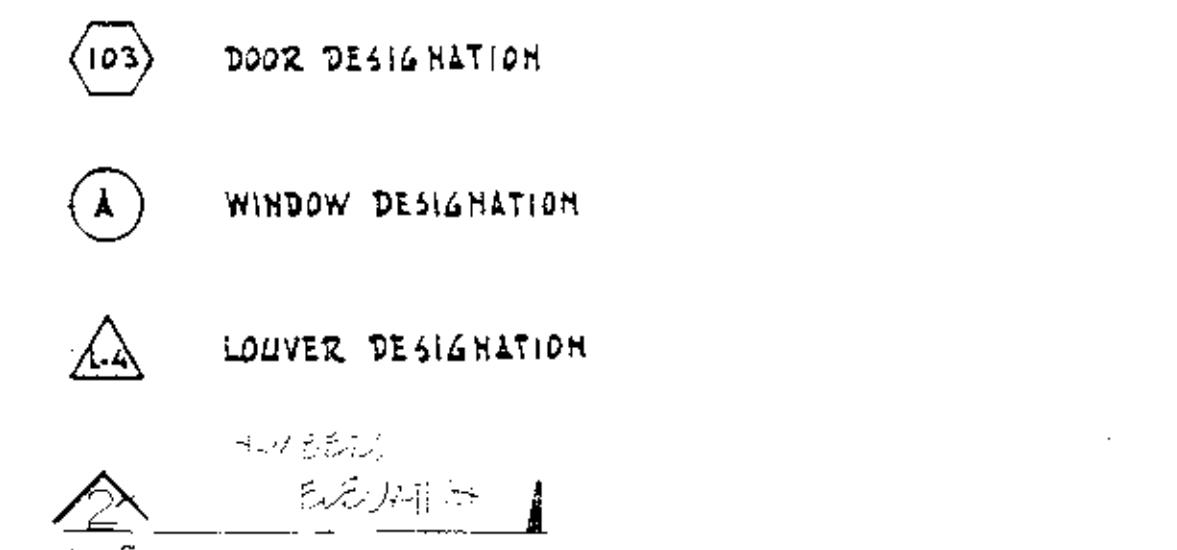
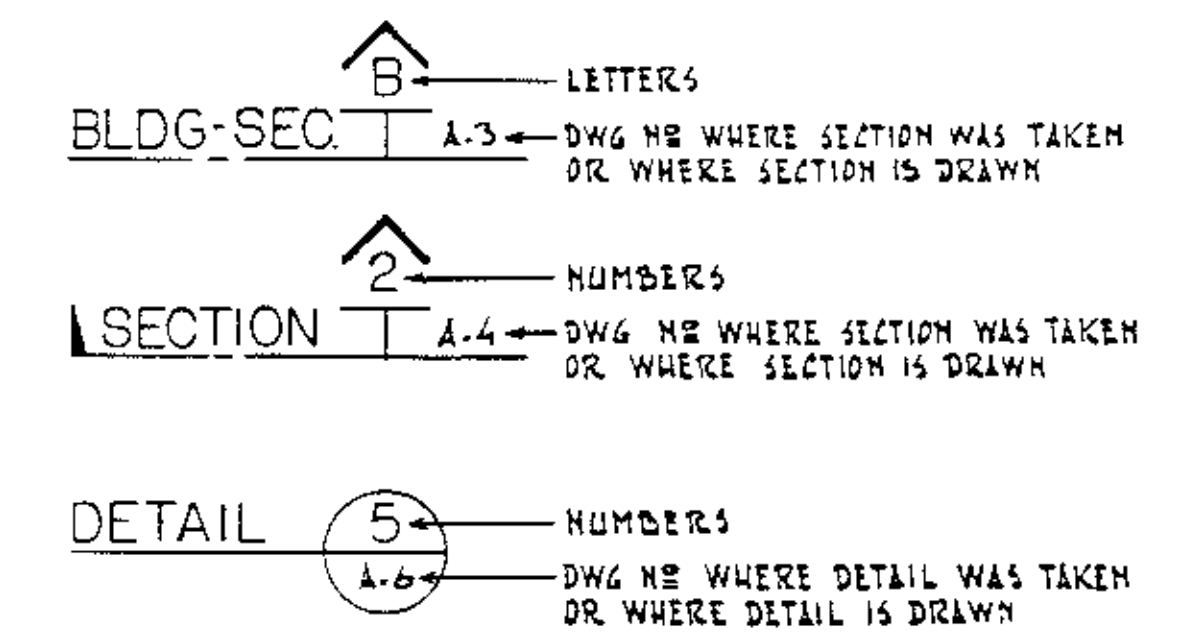
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Table with 2 columns: Abbreviation and Description. Includes entries like SPS SPECIAL SPECIFICATION(S), SQ SQUARE, SST STAINLESS STEEL.

Table with 2 columns: Abbreviation and Description. Includes entries like TYP TYPICAL, UC UNDERCUT, UNF UNFINISHED, UR URINAL.

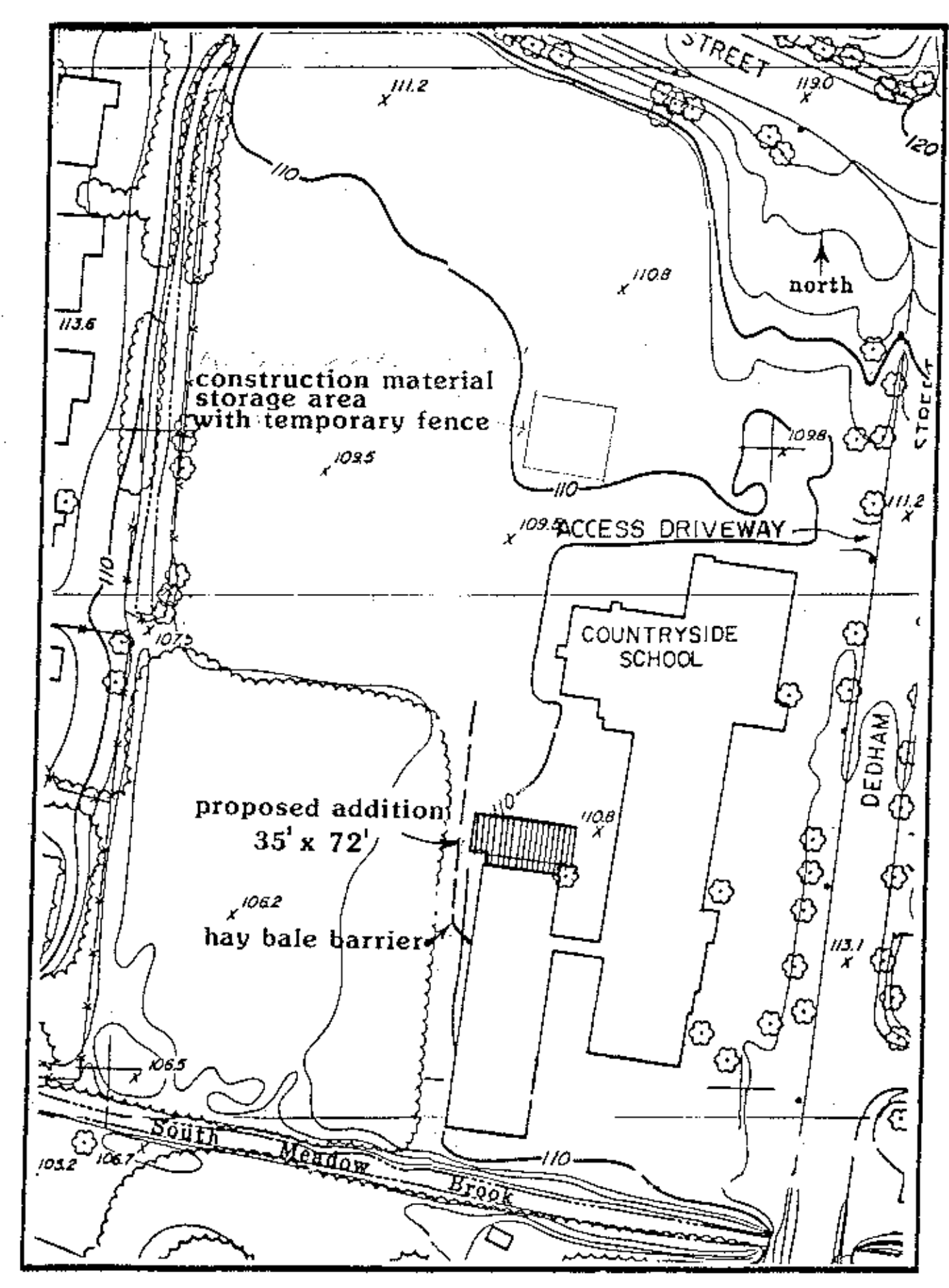
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SYMBOLS:



LEGEND:

Table with 2 columns: Symbol and Description. Includes entries like CONCRETE, CONCRETE MASONRY UNIT (C.M.U.), CEMENT PLASTER, MORTAR OR GPDW.



SITE LAYOUT AND CONSERVATION PLAN

N.T.S. "As BUILT Drawings" ABBREVIATIONS SYMBOLS AND SITE LAYOUT

WHITMAN & HOWARD, INC. 45 WILLIAM STREET, WELLESLEY, MASS.



ORIGINAL FULL SIZE DRAWING = 4" REPRODUCTIONS MAY BE REDUCED SIZE

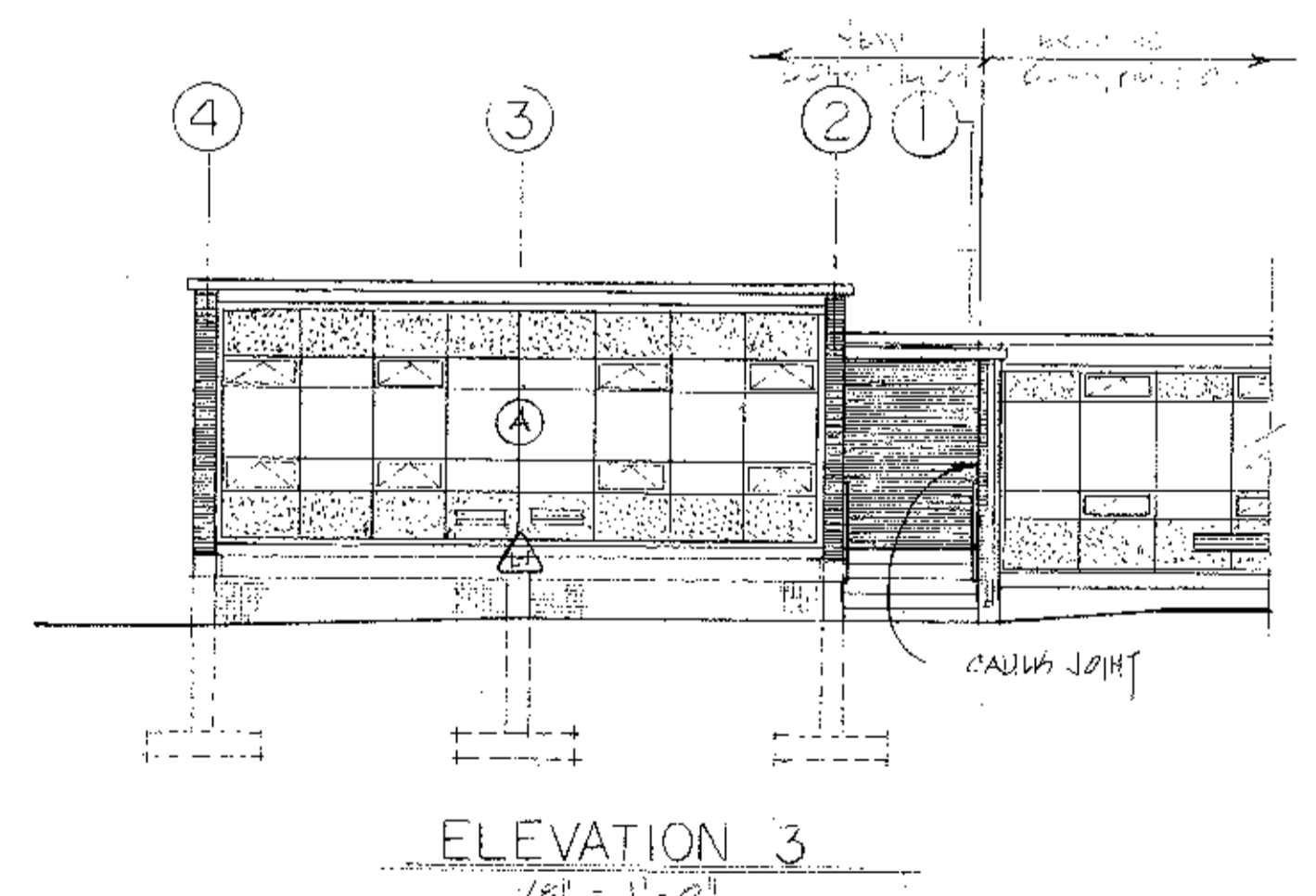
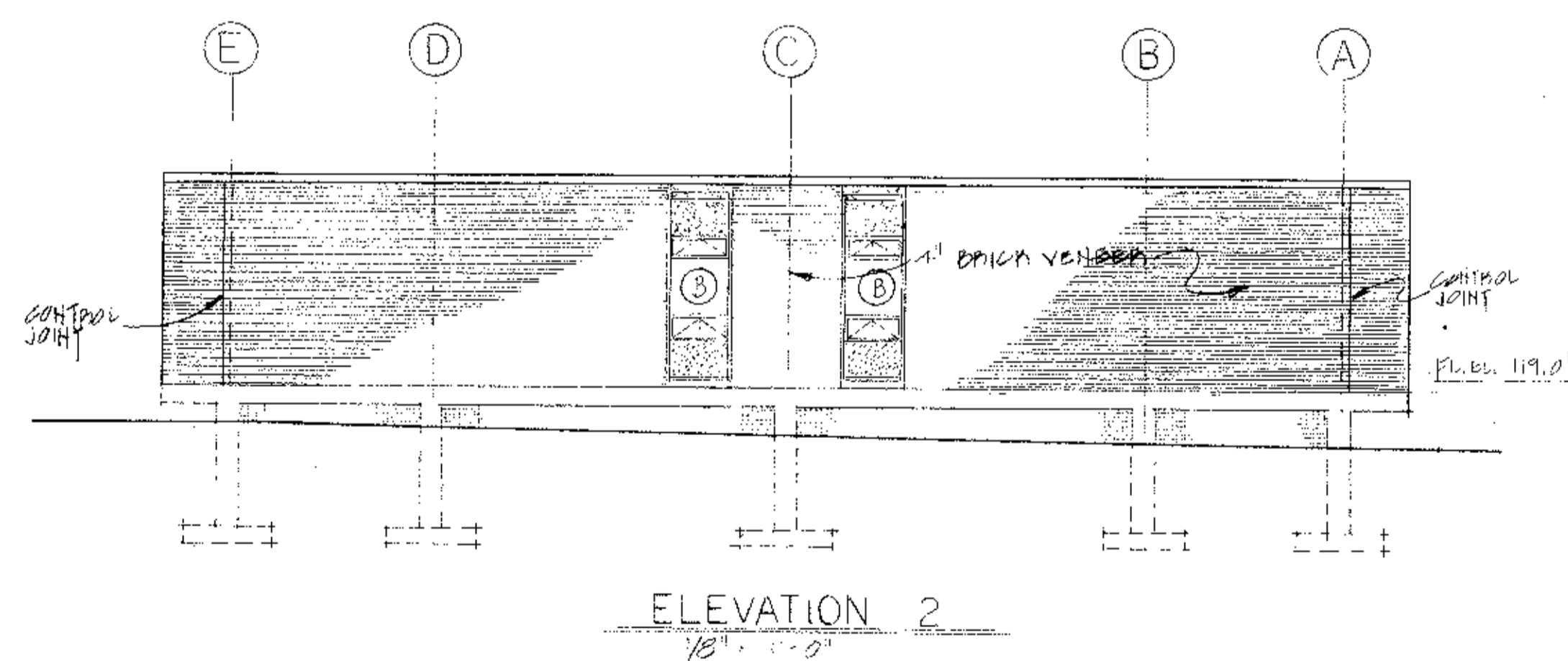
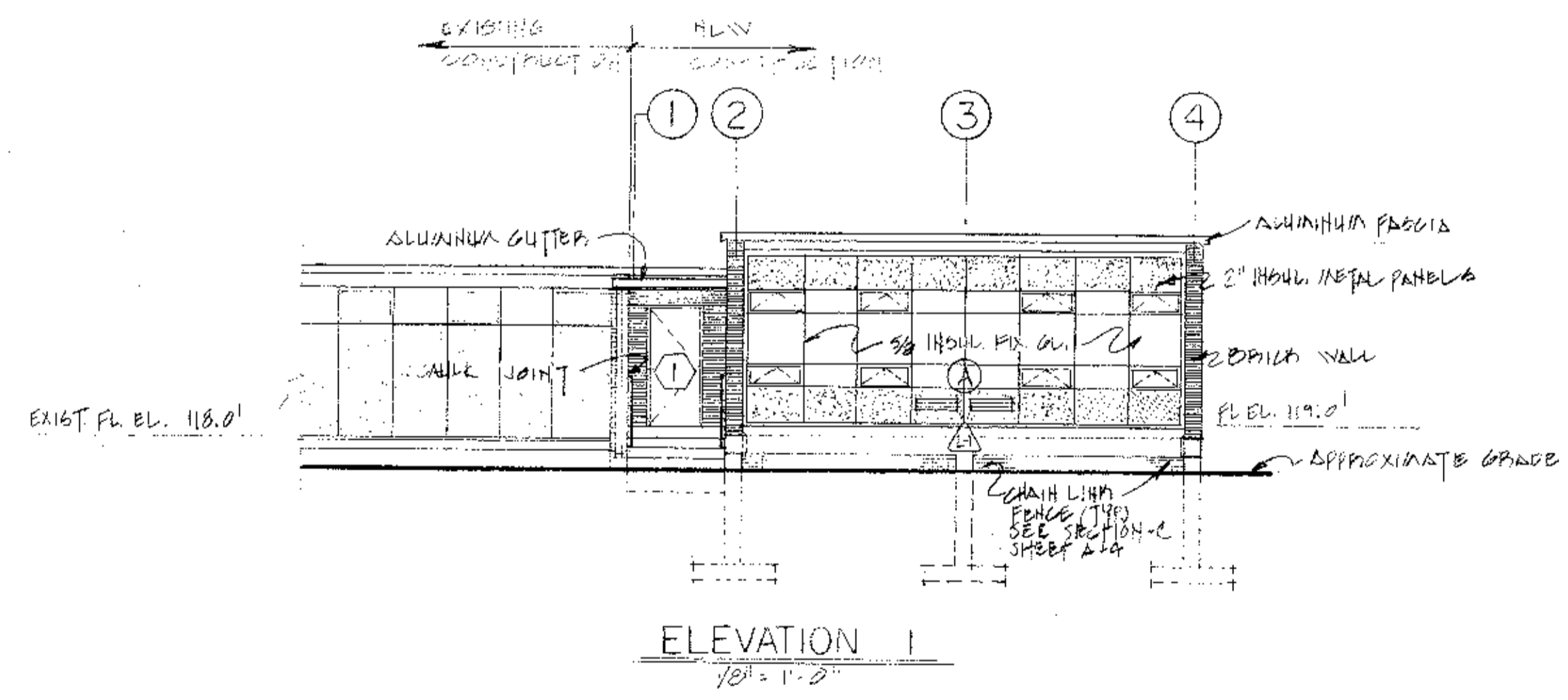
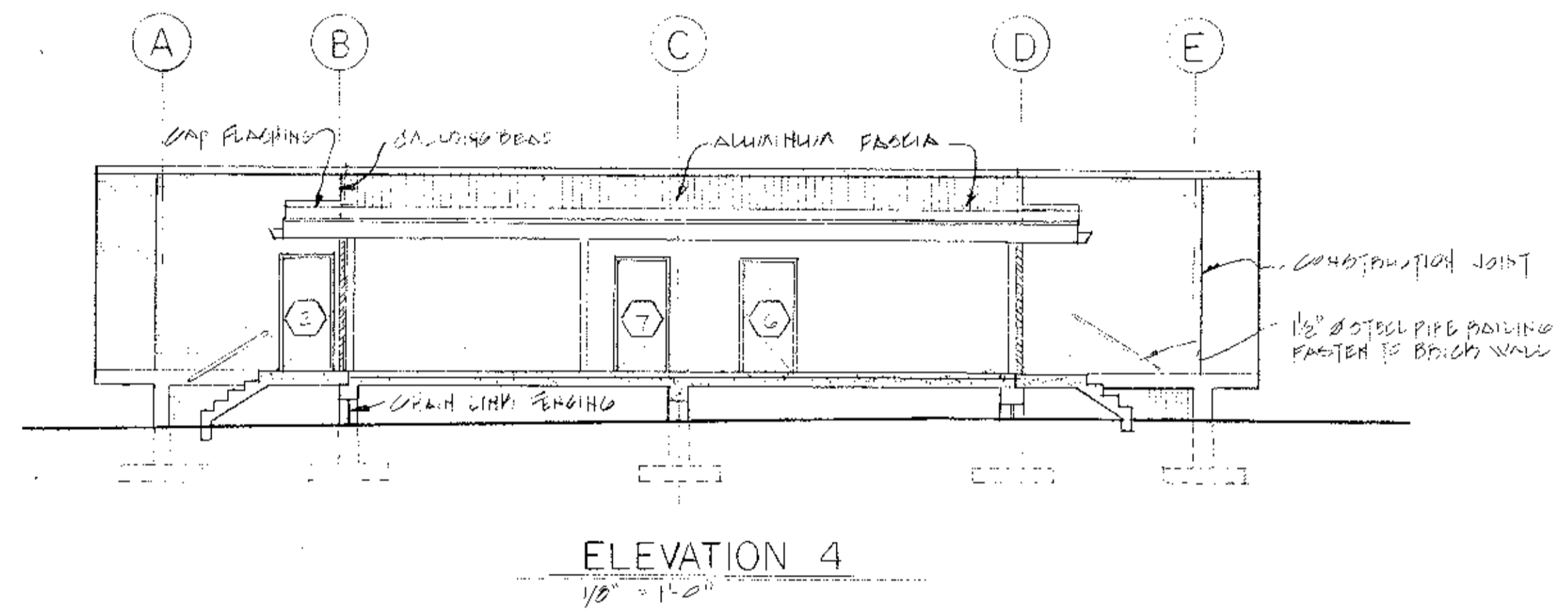
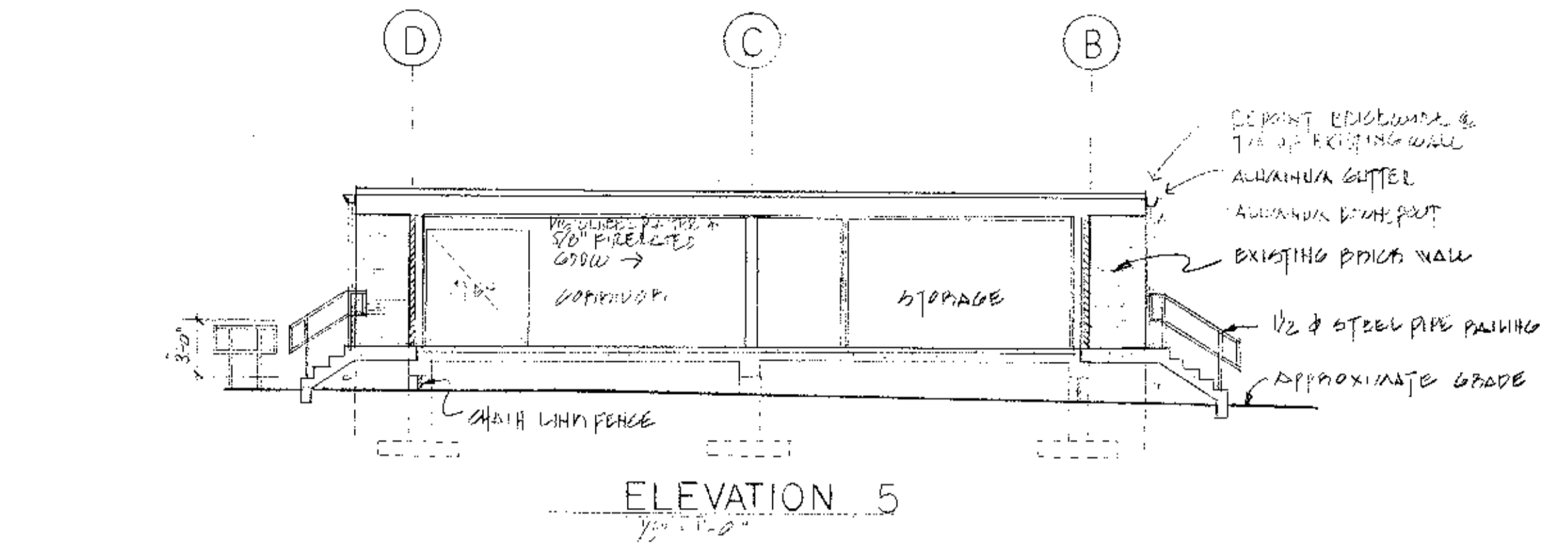
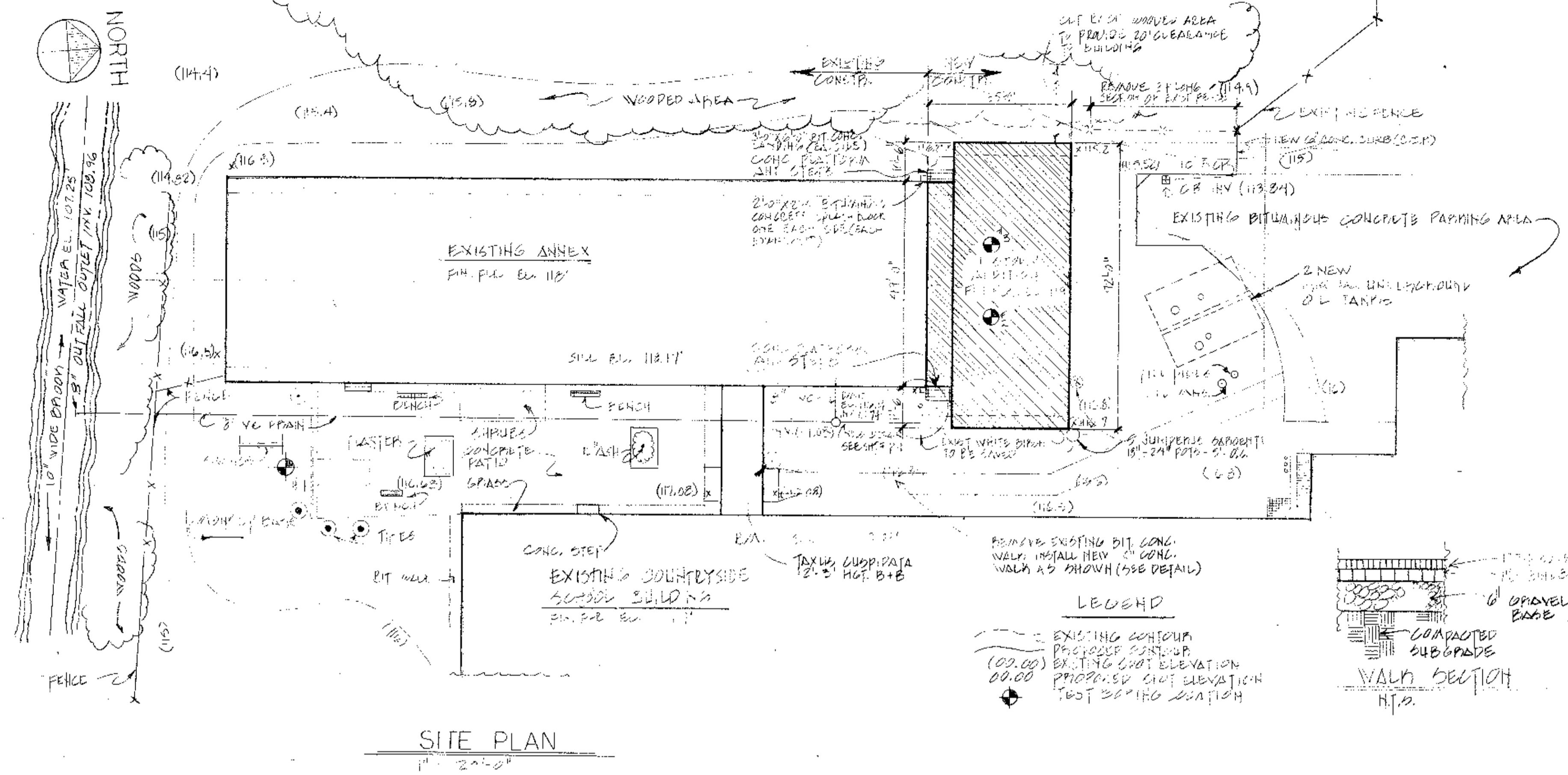
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PROPOSED ADDITIONS AND RENOVATIONS

NEWTON, MASS.

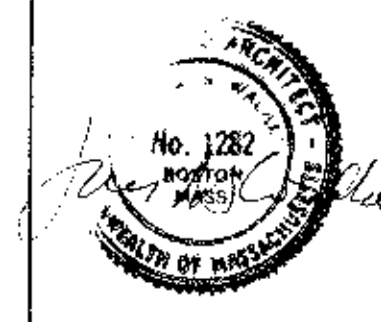
COUNTRYSIDE ELEMENTARY SCHOOL

Table with drawing details: DESIGNED/DRAWN, CHECKED, SCALE, DATE, SHEET 1 OF 10 SHEETS.



As BUILT DRAWINGS  
SITE PLAN AND EXTERIOR ELEVATIONS

**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.



ORIGINAL FULL SIZE DRAWING = 4"  
REPRODUCTIONS MAY BE REDUCED SIZE

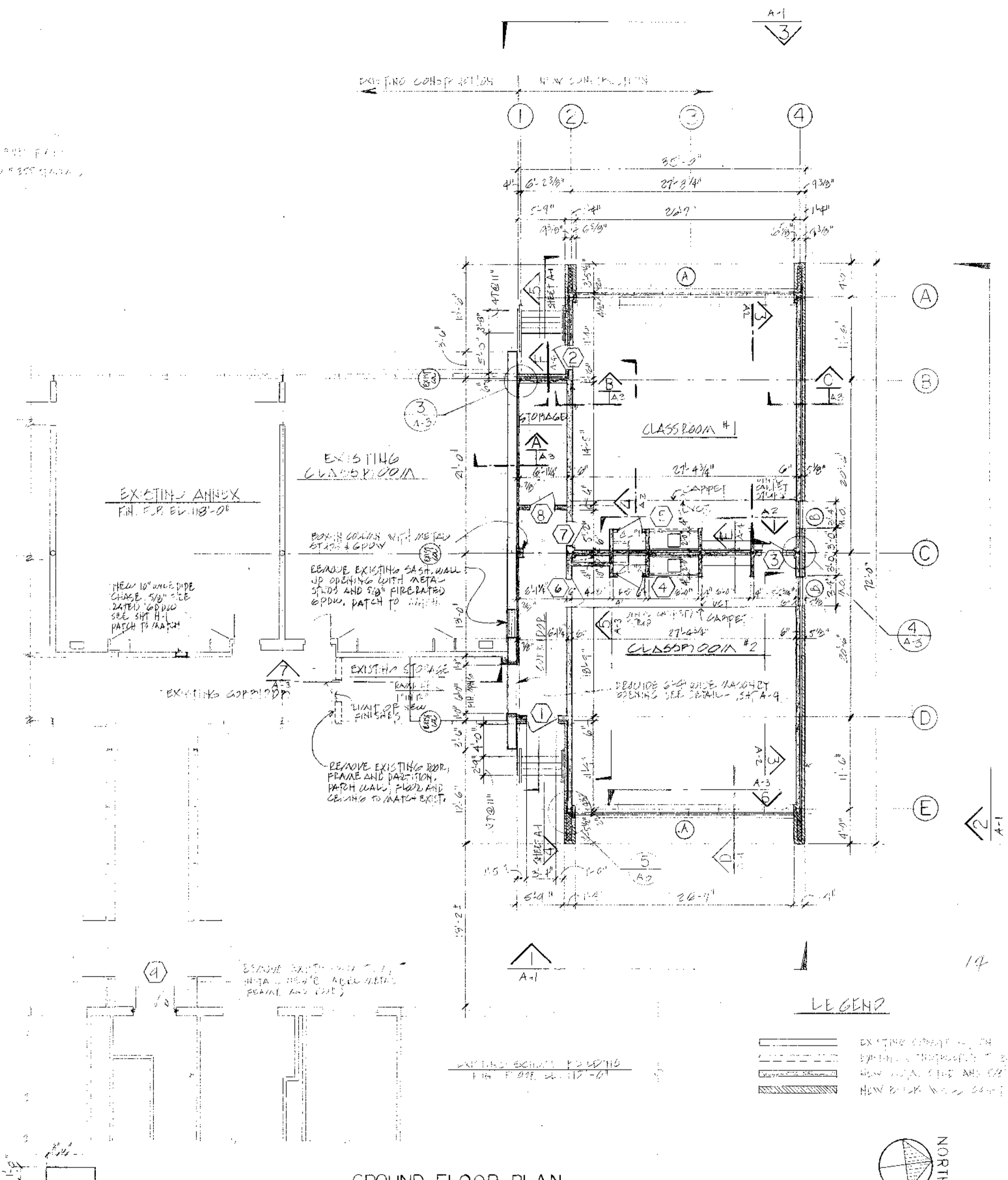
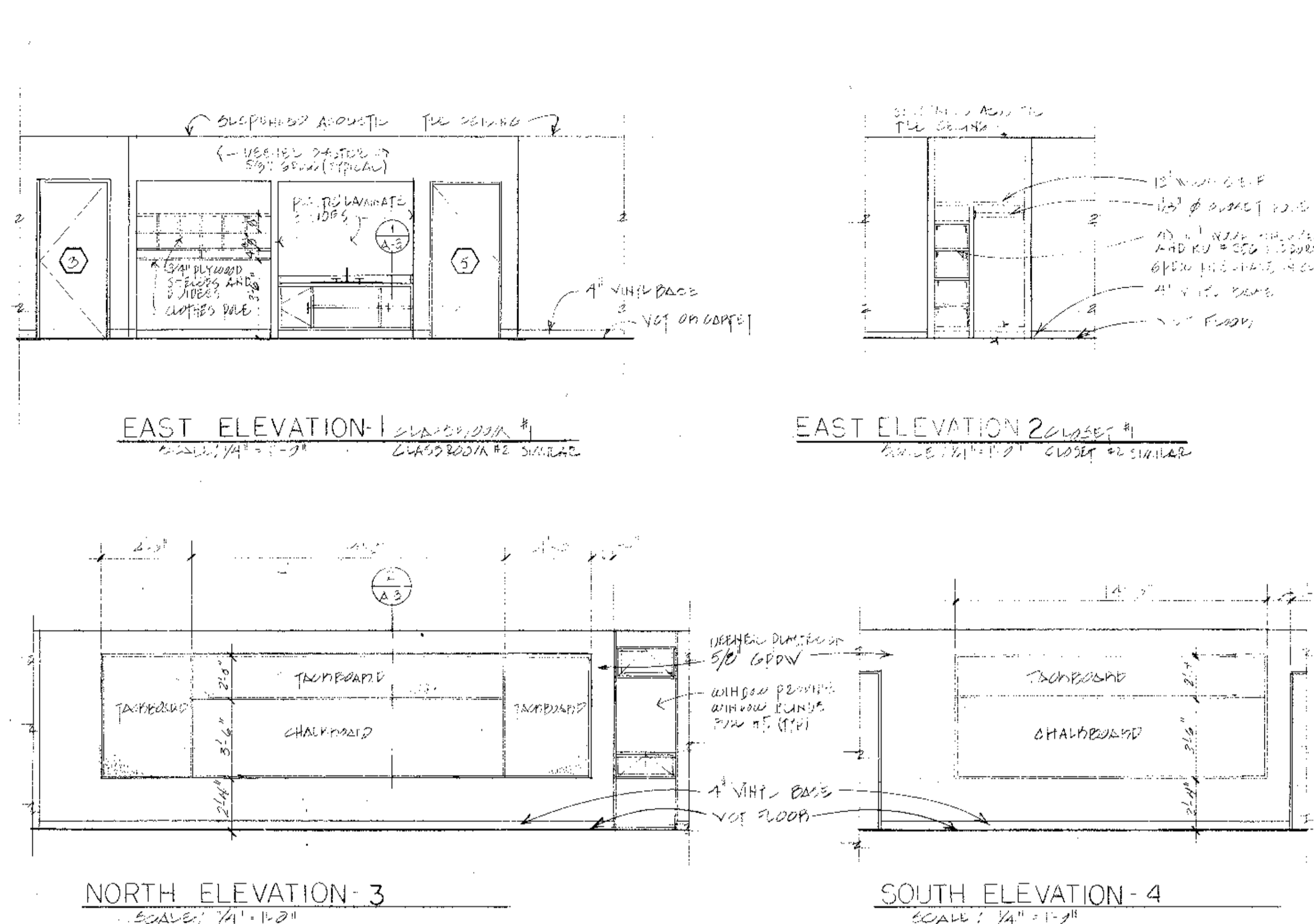
APPROVED

DESIGNED: A.M.R. DRAWN: D.B. CHECKED: [Signature] SCALE: AS SHOWN DATE: DEC. 1986

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JOB NO. 86-164  
CONTRACT NO.

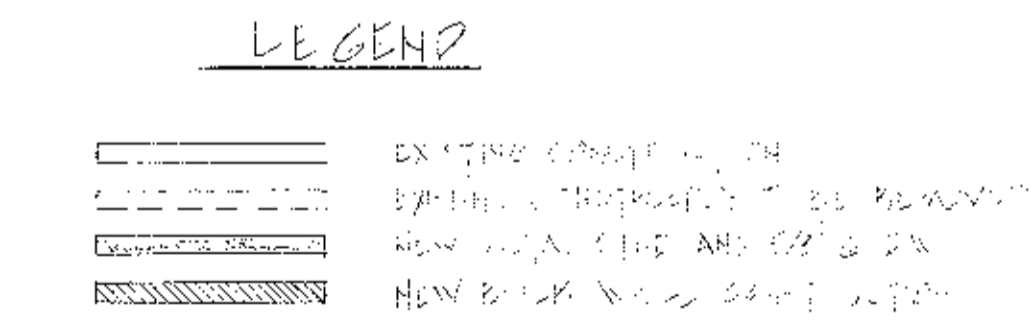
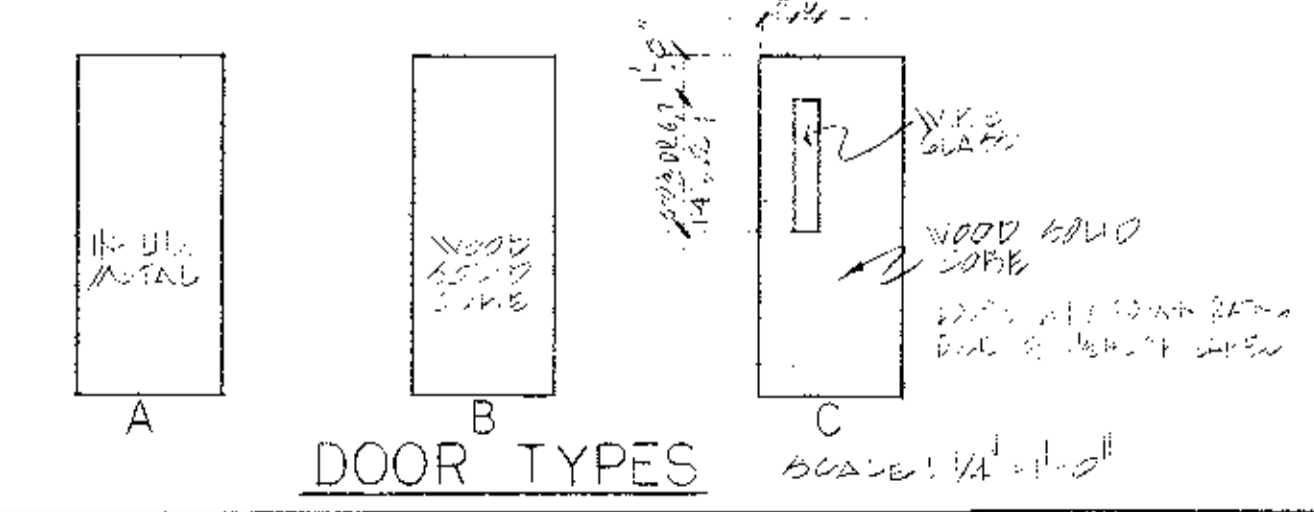
PROPOSED ADDITIONS AND RENOVATIONS  
**NEWTON, MASS.**  
COUNTRYSIDE ELEMENTARY SCHOOL

NO.	DESCRIPTION	DATE



ROOM FINISH SCHEDULE									
ROOM	FLOOR	BASE	N WALL	WALL	SWALL	W WALL	CEILING	GLG HT	REMARKS
CLAS. ROOM #1	VCT	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	8'-10"	SEE ELEV. THIS SHEET
CLOSET #1	VCT	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD		SEE ELEV. THIS SHEET
CLAS. ROOM #2	VCT	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD		SEE ELEV. THIS SHEET
CLOSET #2	VCT	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD		SEE ELEV. THIS SHEET
CLASSROOM	VCT	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD		SEE ELEV. THIS SHEET
STORAGE	VCT	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD		SEE ELEV. THIS SHEET
EXISTING CLASSROOM	VCT	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD		SEE ELEV. THIS SHEET
EXISTING STORAGE	VCT	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD		SEE ELEV. THIS SHEET
EXISTING CLOSET	VCT	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD		SEE ELEV. THIS SHEET

DOOR SCHEDULE									
DOOR NO.	DOORS			FRAMES				REMARKS	
	OPENING SIZE WIDTH X HEIGHT	MATL	TYPE	HEAD	JAMB	SILL	MATL		
1	3'-0" X 7'-0" X 13'-4"	WOOD	A	1	2	---	WOOD	PANIC HARDWARE, CLOSER, THRESHOLD, WEATHER STRIP	
2	3'-0" X 7'-0" X 13'-4"	WOOD	A	1	2	---	WOOD	SAME AS ABOVE	
3	3'-0" X 7'-0" X 13'-4"	WOOD	B	2	4	---	WOOD	PASSAGE SET	
4	2'-6" X 7'-0" X 13'-4"	WOOD	B	2	4	---	WOOD	LOCKSET	
5	3'-0" X 7'-0" X 13'-4"	WOOD	B	2	4	---	WOOD		
6	3'-0" X 7'-0" X 13'-4"	WOOD	B	2	4	---	WOOD		
7	3'-0" X 7'-0" X 13'-4"	WOOD	B	2	4	---	WOOD		
8	3'-0" X 7'-0" X 13'-4"	WOOD	B	2	4	---	WOOD		
9	2'-6" X 6'-10" X 13'-4"	WOOD	B	2	4	---	WOOD		

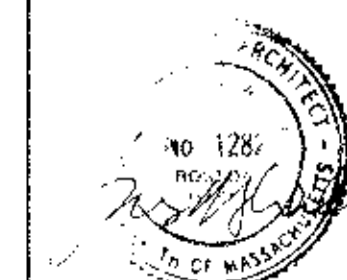


GROUND FLOOR PLAN  
1/8" = 1'-0"

LEGEND  
 --- EXISTING CONSTRUCTION  
 --- NEW CONSTRUCTION  
 --- NEW BRICK WALLS  
 BUILDING USE GROUP - A-4 ASSEMBLY, CHURCHES, SCHOOLS  
 FINISH TYPE - 20 UNPROTECTED, NON-COMBUSTIBLE  
 NEW ADDITION 2109 SF  
 EXISTING ANNEX 7815 SF  
 TOTAL 9924 SF  
 ASUMABLE 14,420 SF

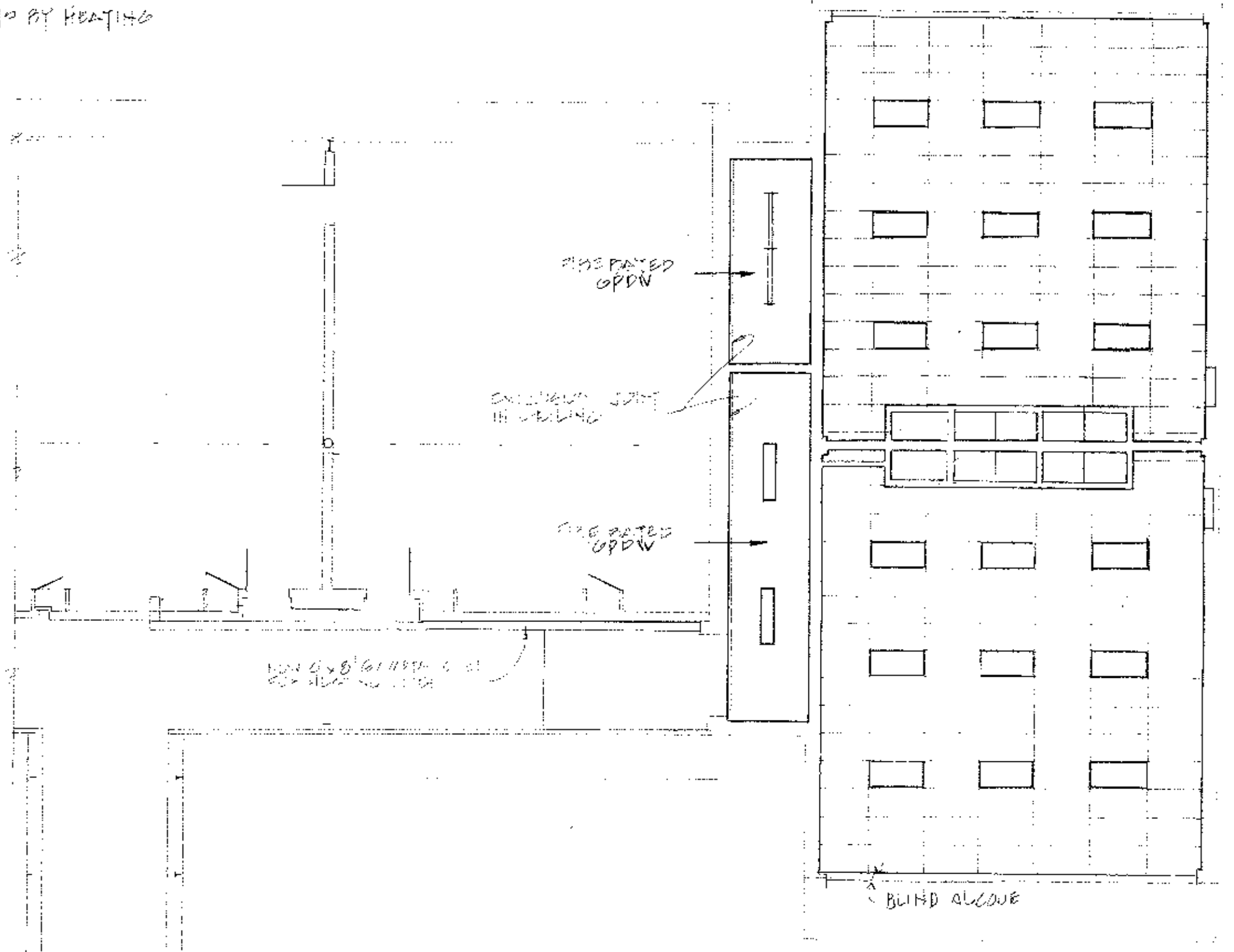
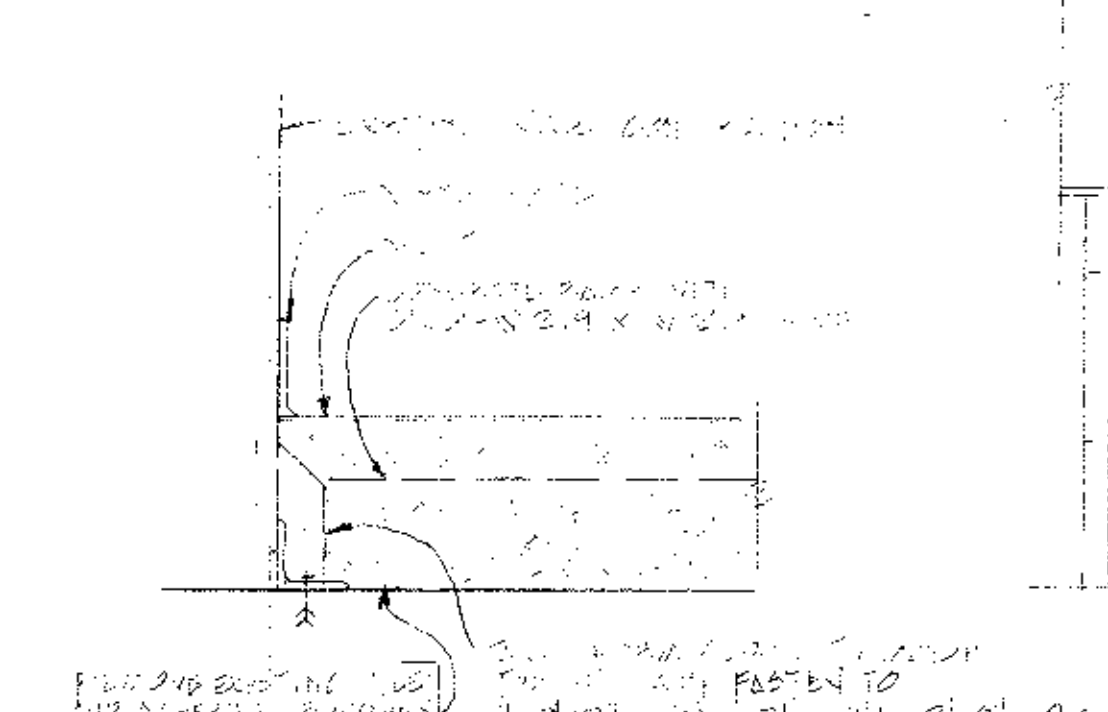
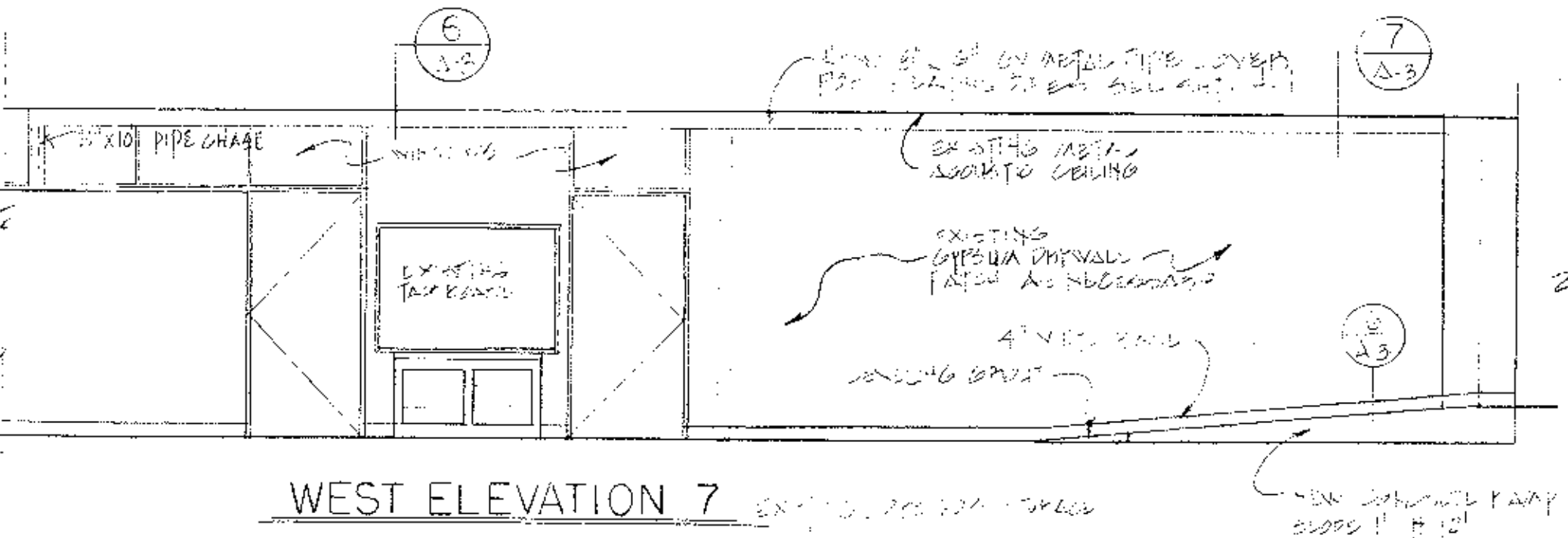
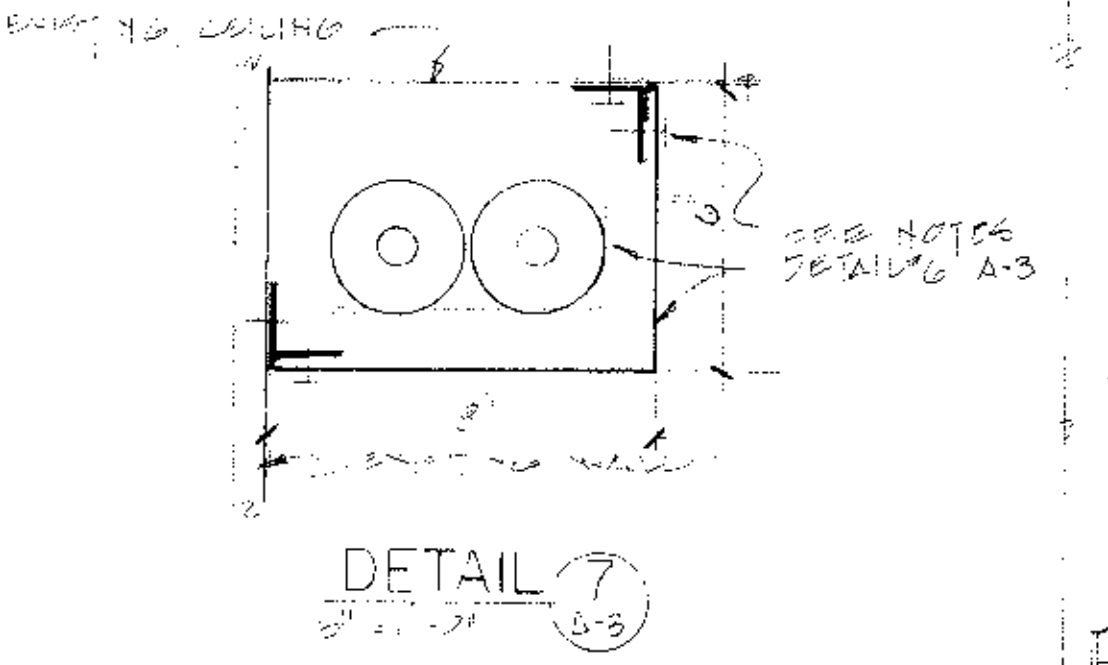
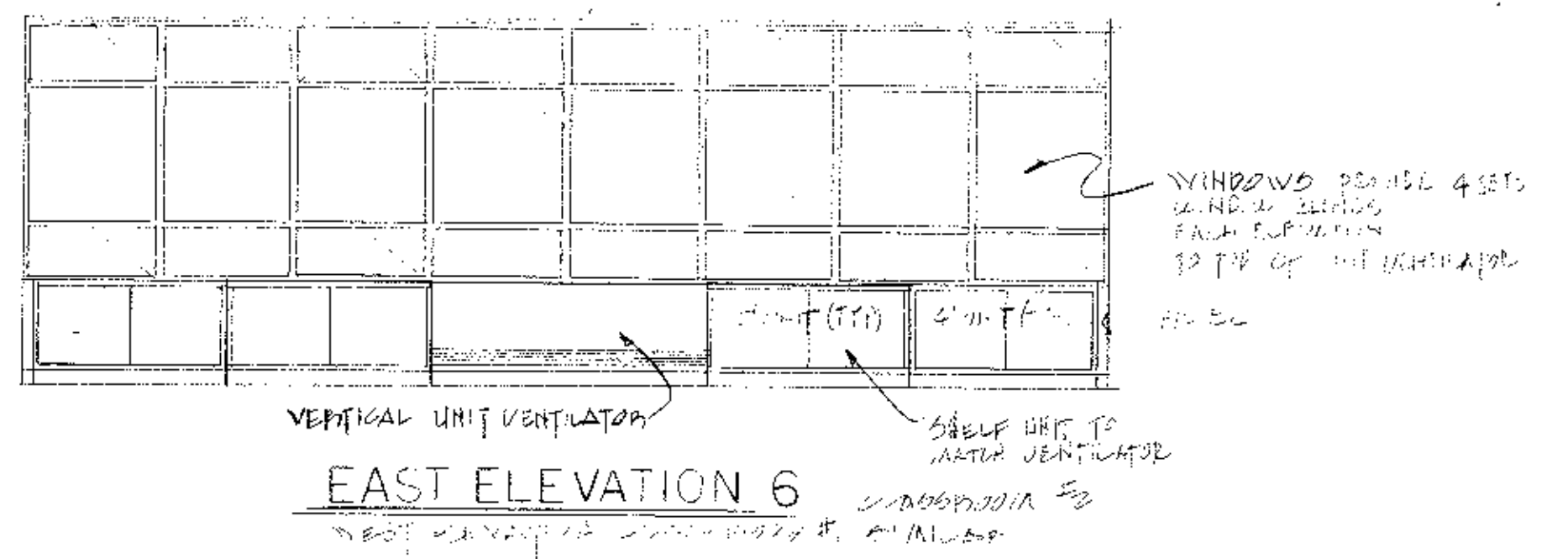
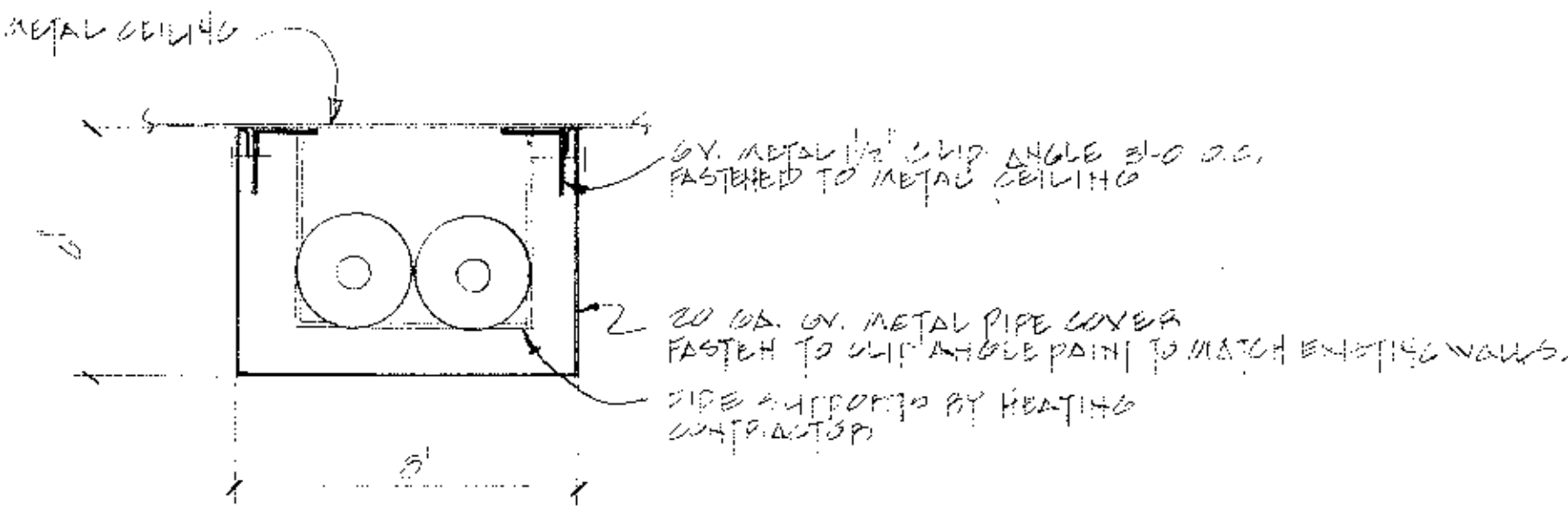
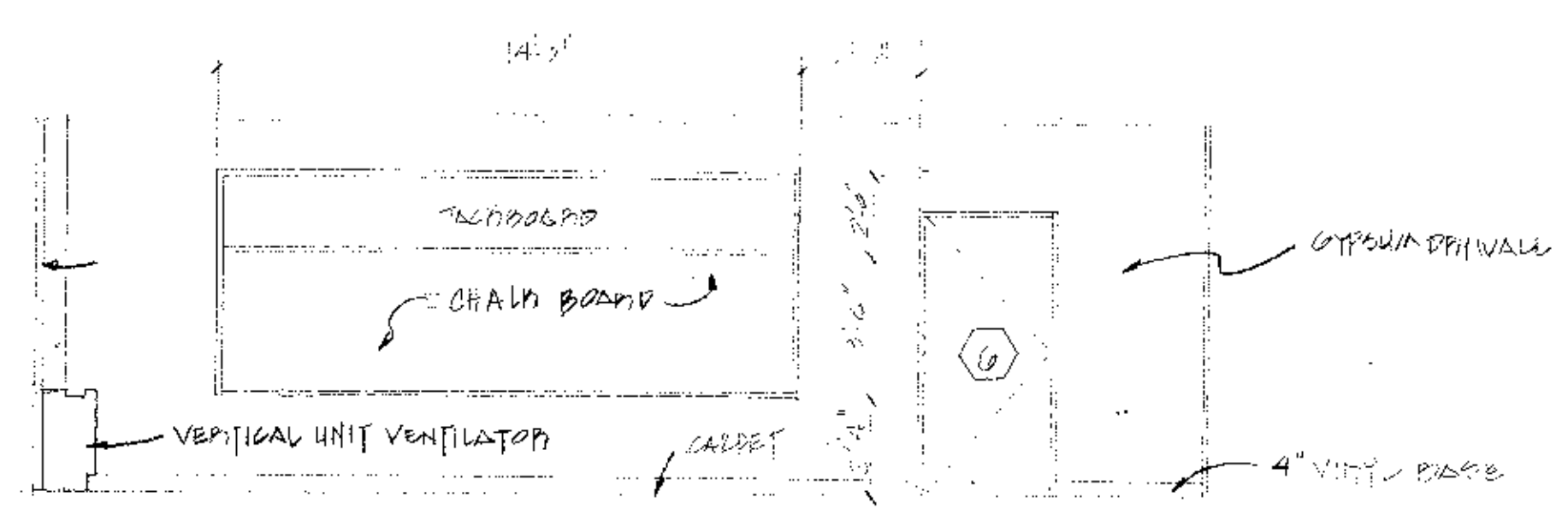
"As Built Drawings"  
 FLOOR PLAN SCHEDULES AND INTERIOR ELEVATIONS

WHITMAN & HOWARD, INC.  
 45 WILLIAM STREET, WELLESLEY, MASS.

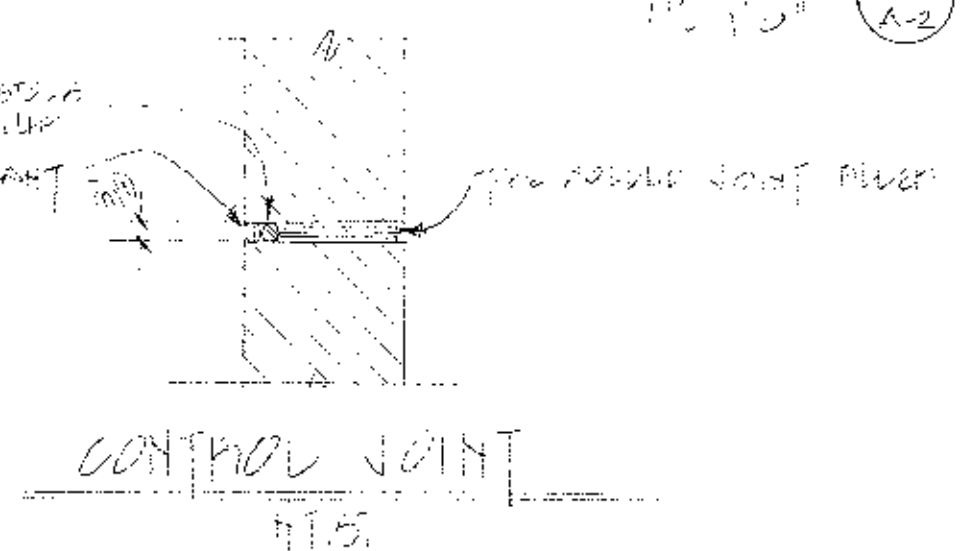
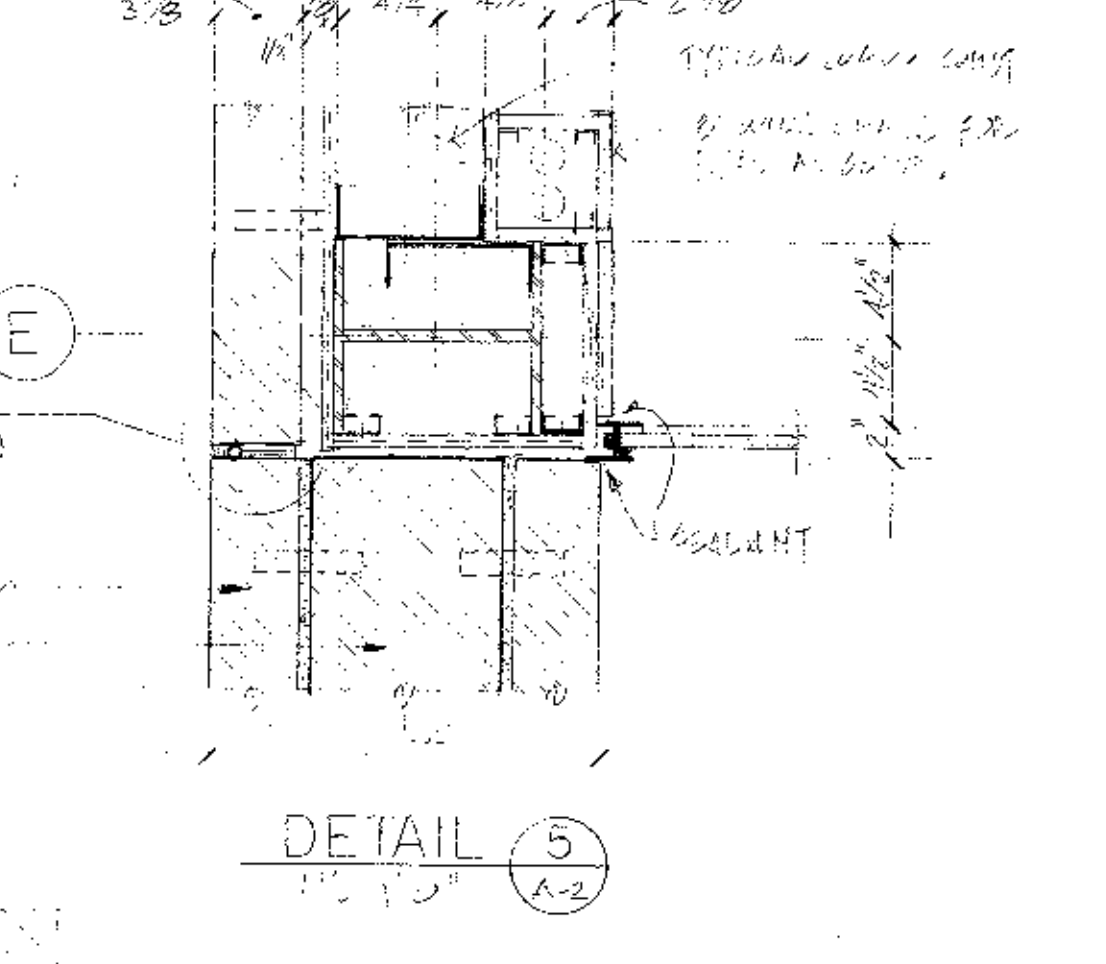
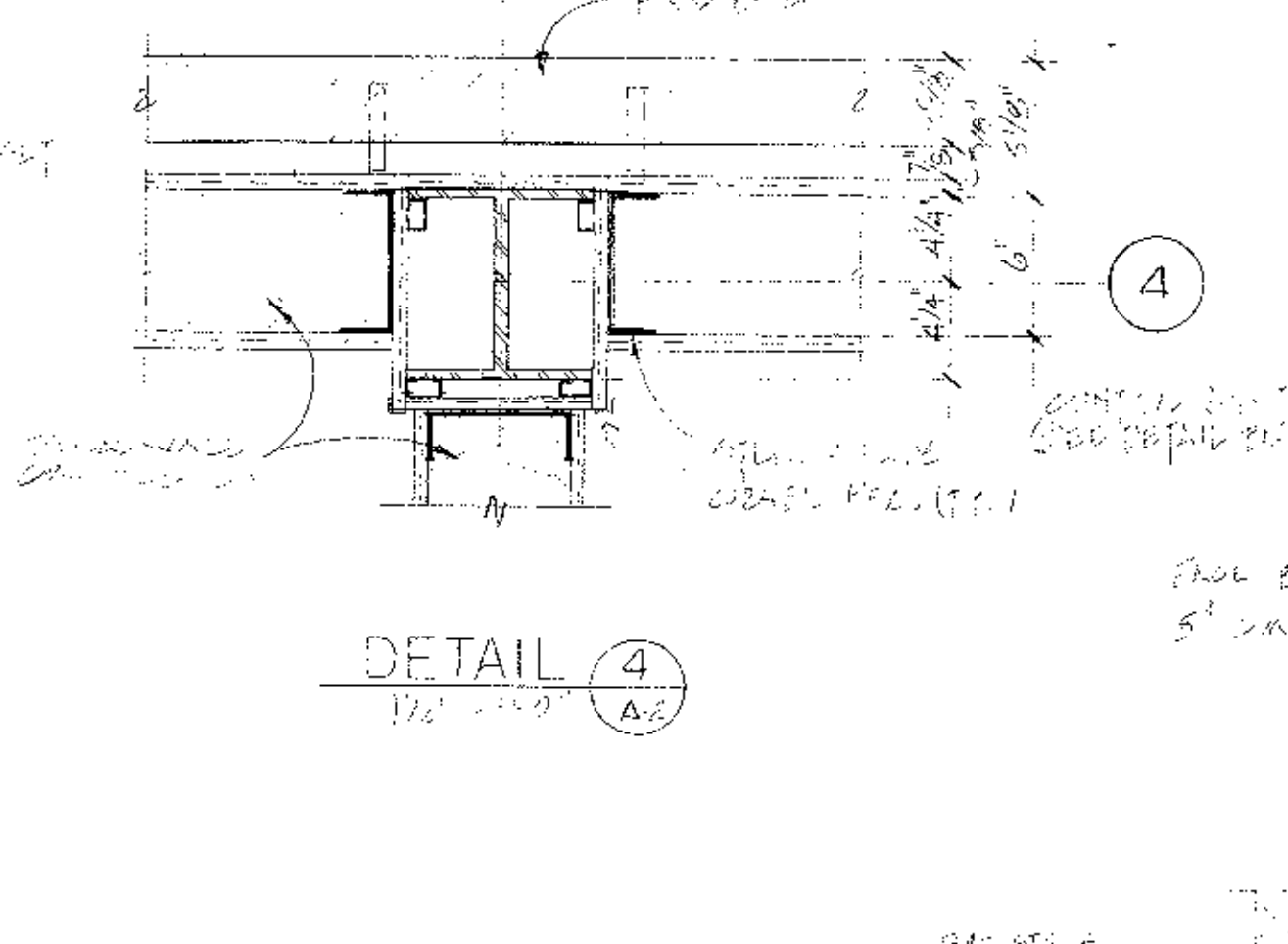
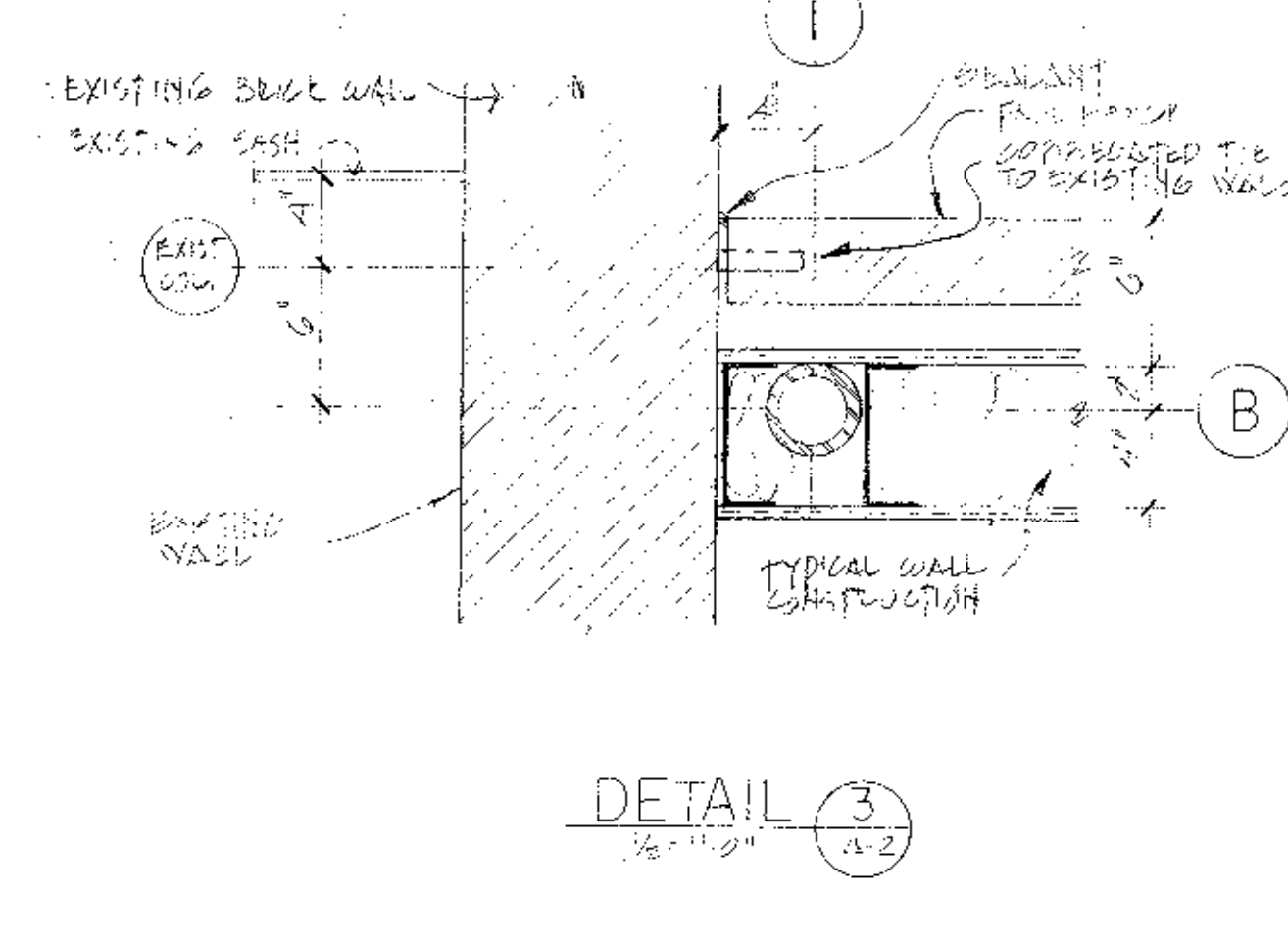
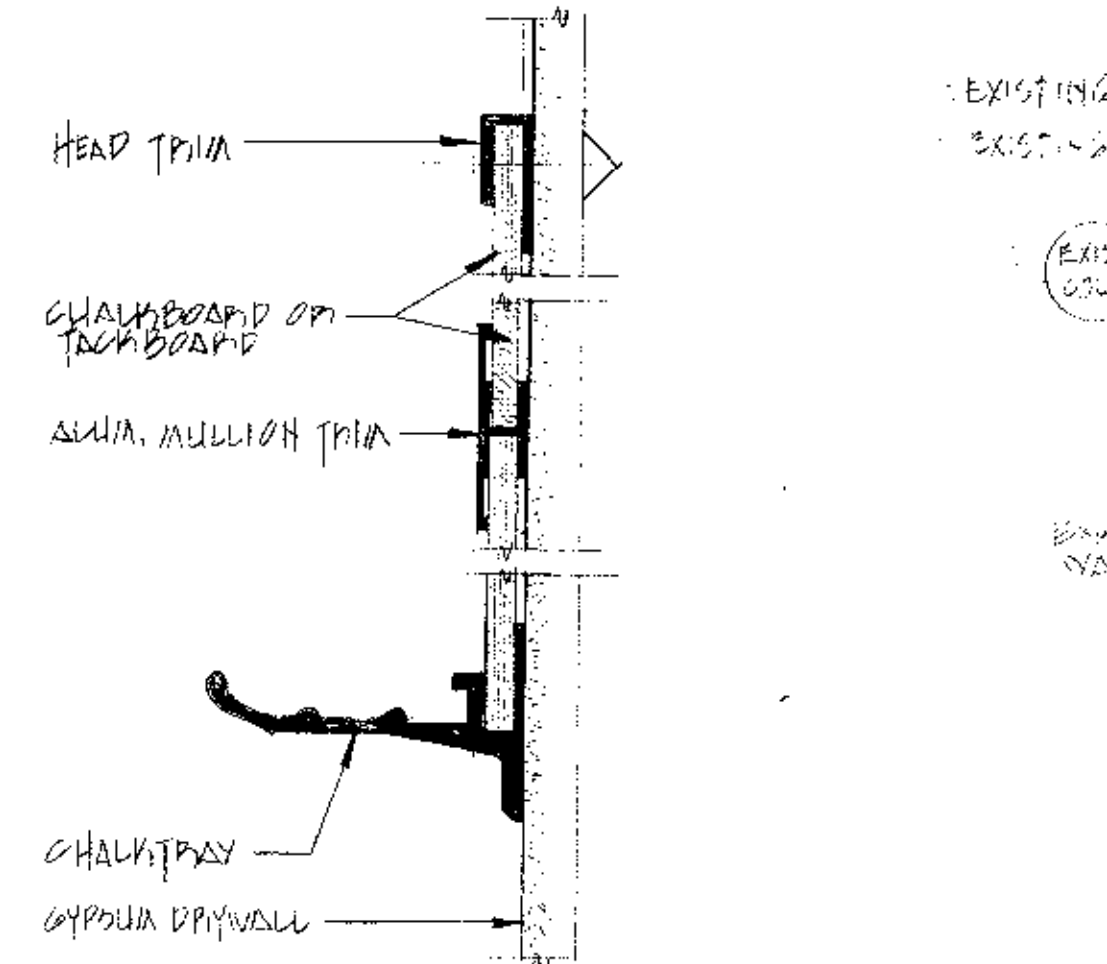
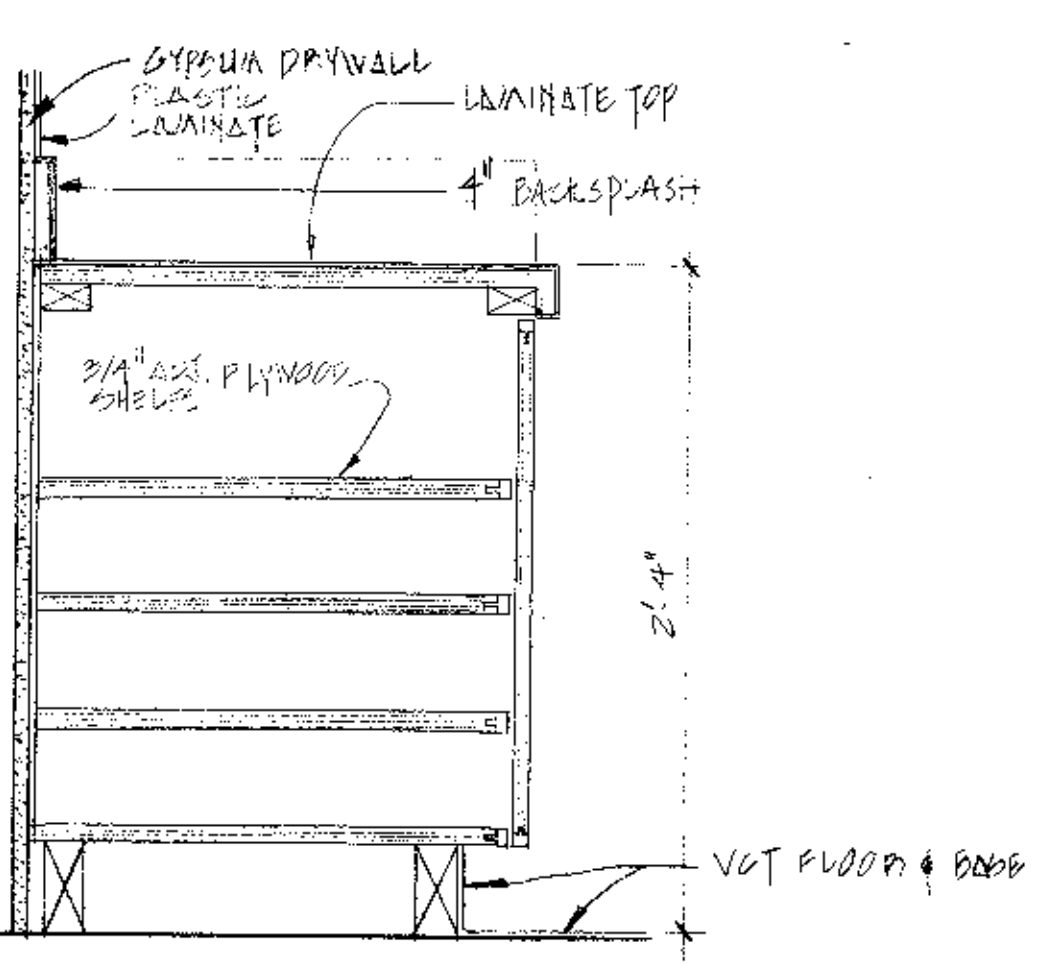


ORIGINAL FULL SIZE DRAWING = 4"  
 REPRODUCTIONS MAY BE REDUCED SIZE  
 APPROVED  
 DESIGNED DRAWN CHECKED SCALE DATE  
 AWH DB JWH AS SHOWN DEC. 1986  
 SHEET 3 OF 10 SHEETS

DRAWING NO. A-2  
 JOB NO. 86-164  
 CONTRACT NO.  
 PROPOSED ADDITIONS AND RENOVATIONS  
 NEWTON, MASS.  
 COUNTRYSIDE ELEMENTARY SCHOOL



- LEGEND
- 2x4' ACOUSTIC TILES
  - 2x4' FLUORESCENT LIGHT FIXTURE
  - EXIST. FIXTURE RELOCATED
  - FLUORESCENT LIGHT FIXTURE (NO DIFFUSER)



"As Built Drawings"  
INTERIOR ELEVATIONS AND DETAILS

NO.	DESCRIPTION	DATE

**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.



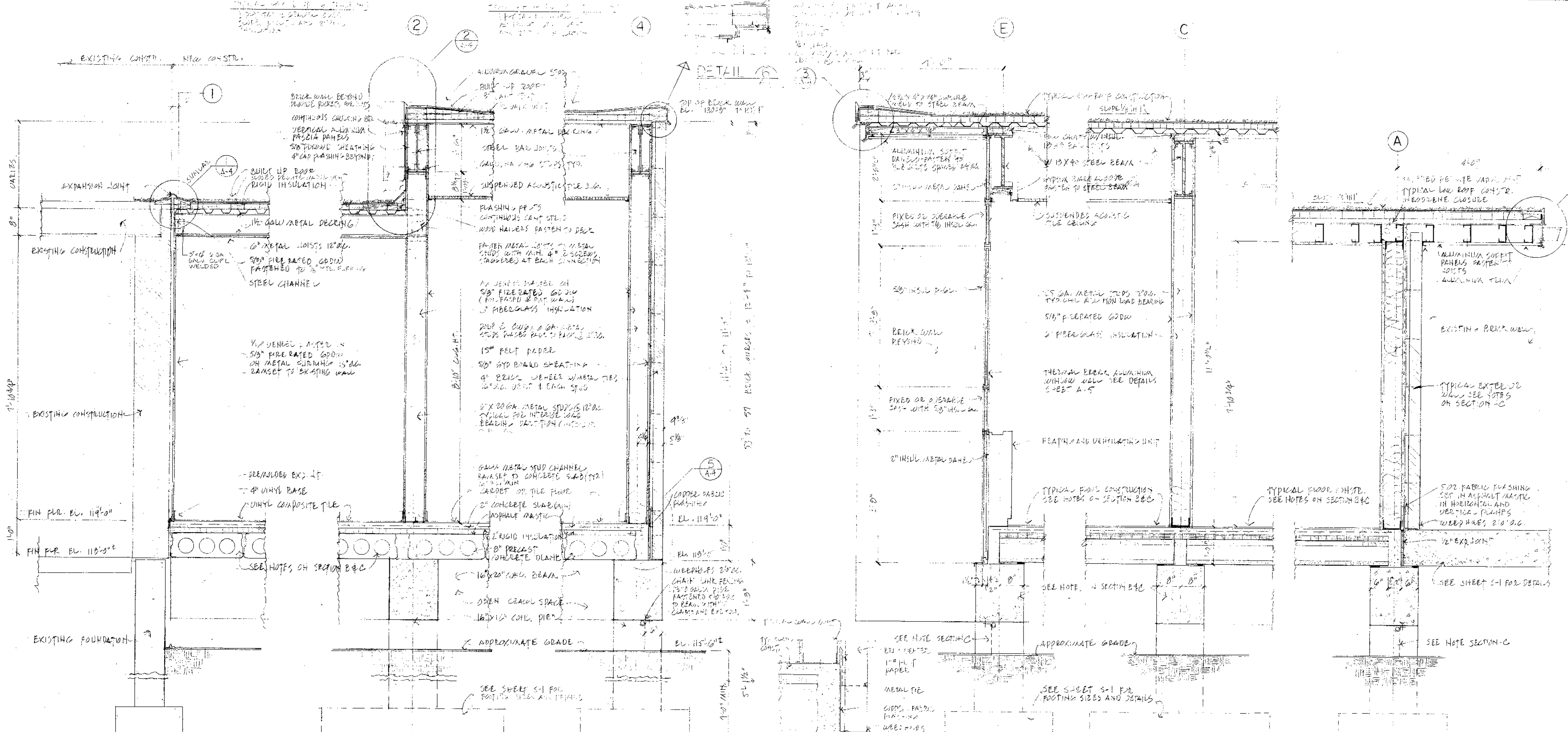
ORIGINAL FULL SIZE DRAWING = 4"  
REPRODUCTIONS MAY BE REDUCED SIZE

APPROVED

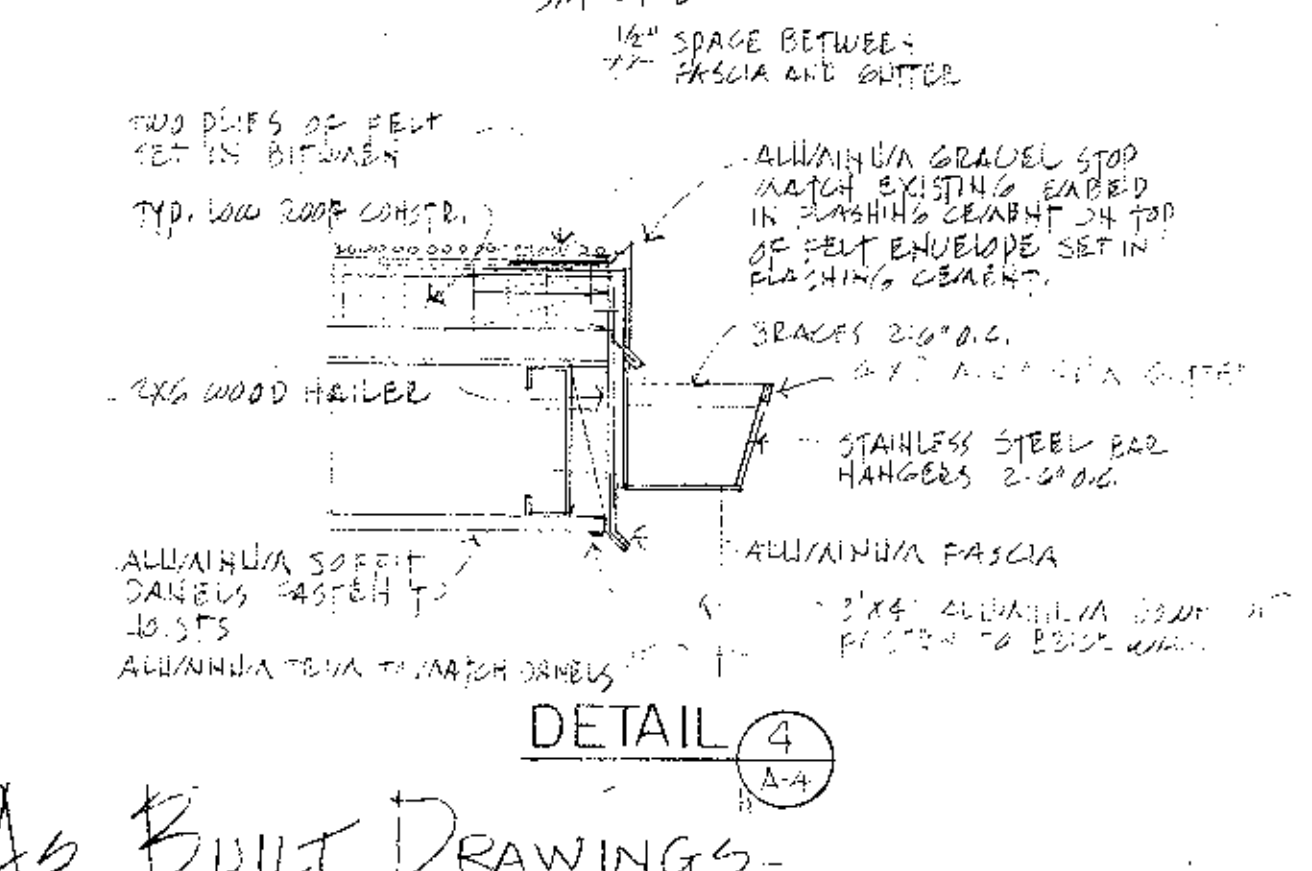
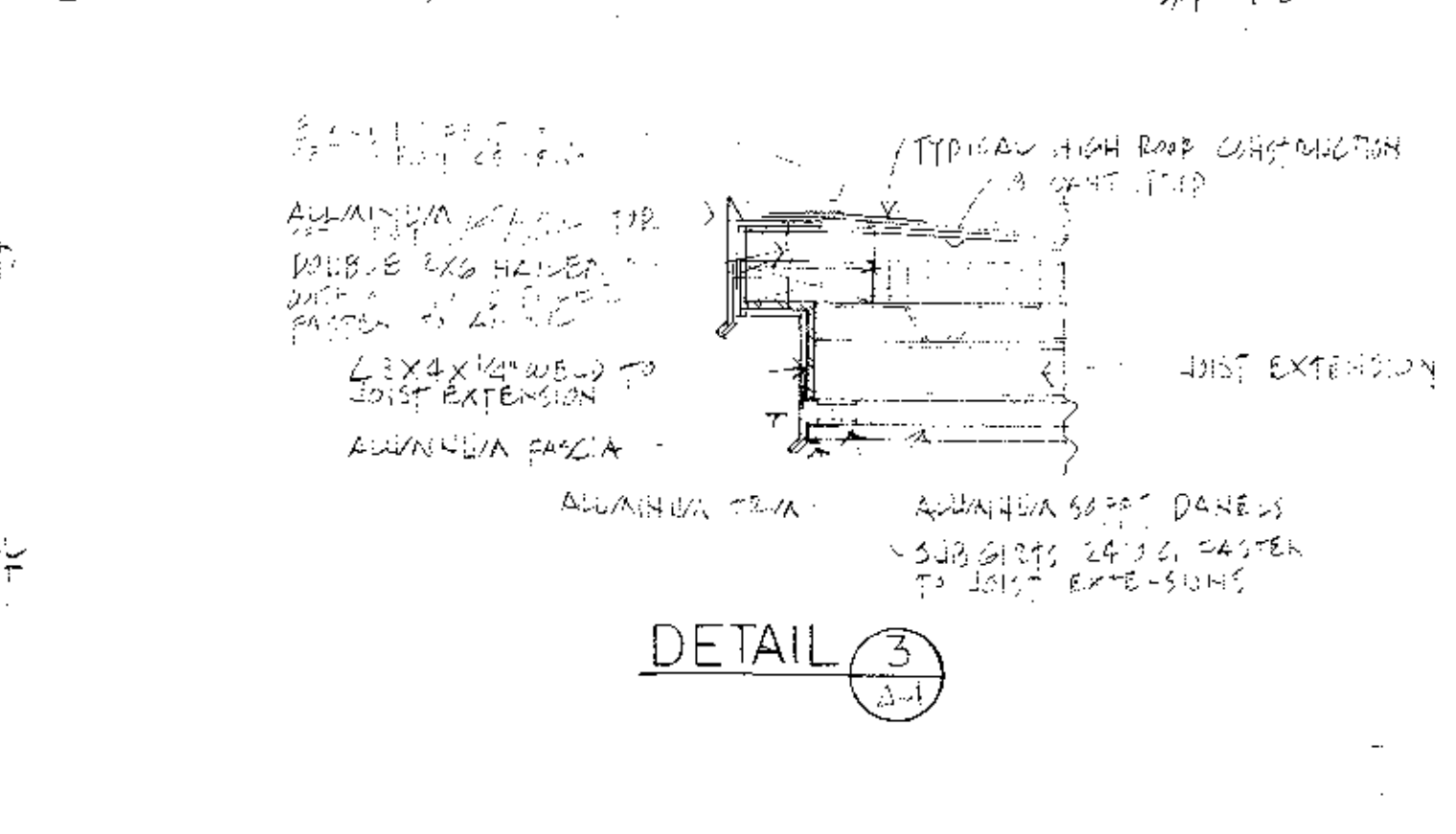
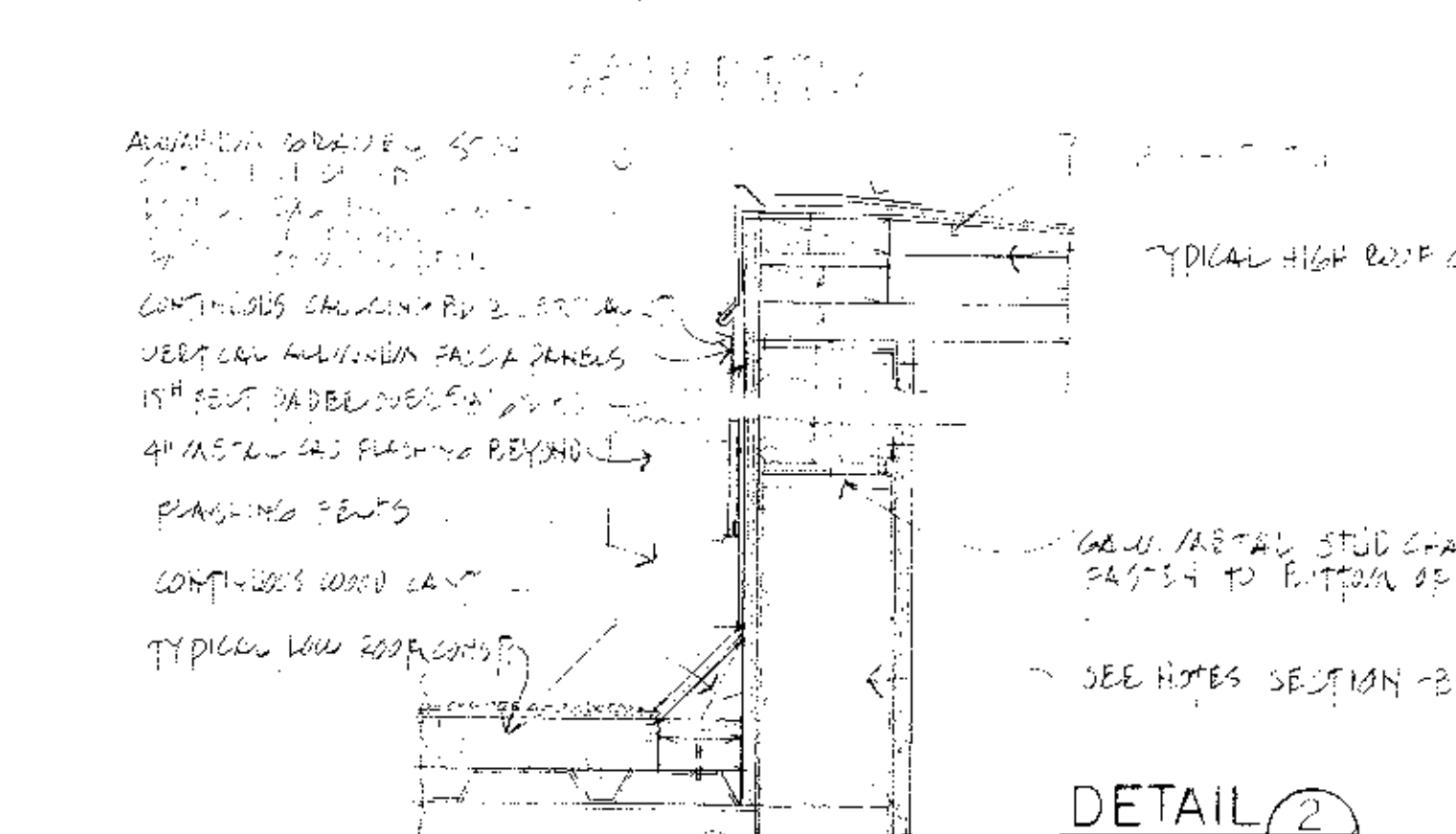
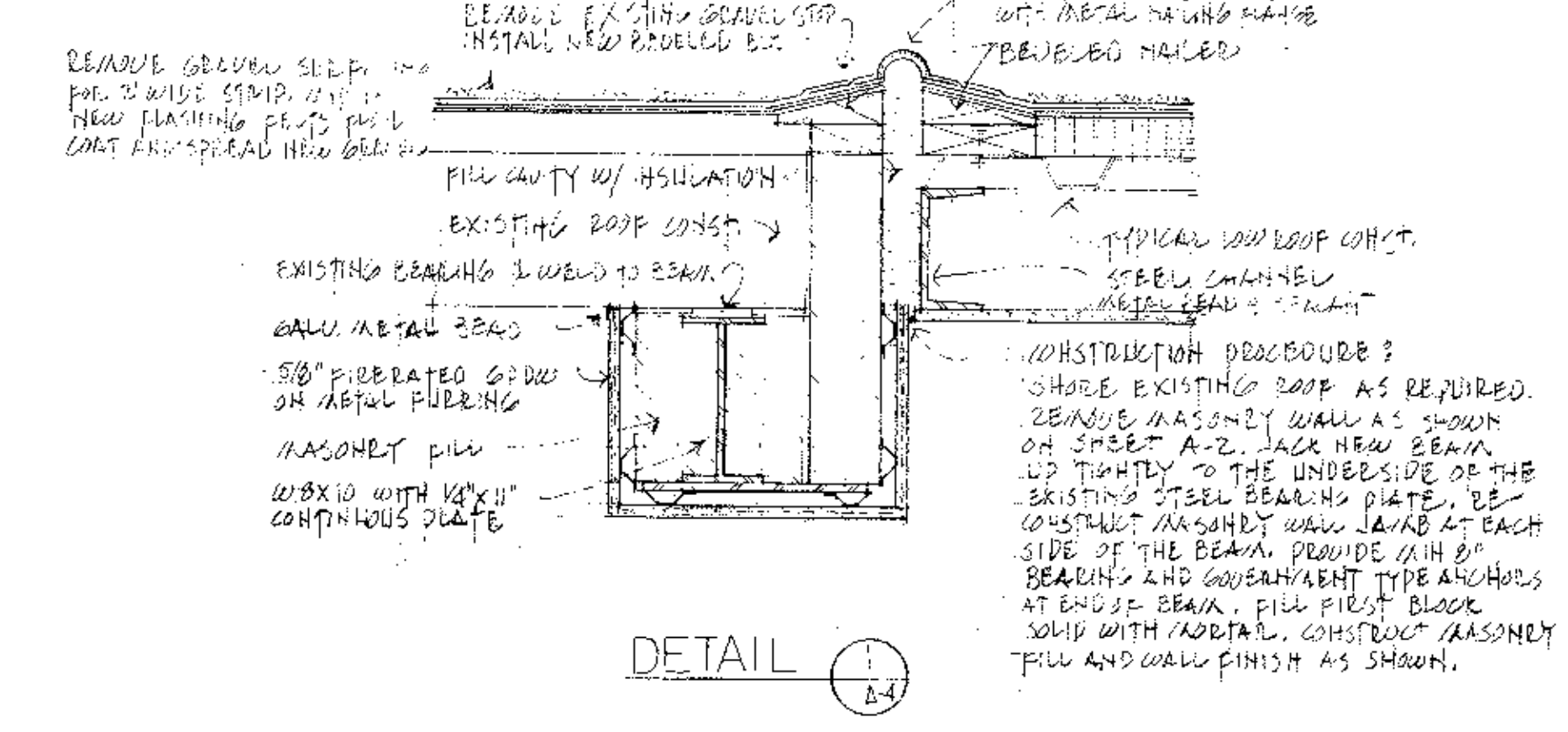
DESIGNED: [Signature] DRAWN: DB CHECKED: [Signature] SCALE: AS SHOWN DATE: DEC. 1986

DRAWING NO. **A-3**  
JOB NO. 86 164  
CONTRACT NO.

PROPOSED ADDITIONS AND RENOVATIONS  
**NEWTON, MASS.**  
COUNTRYSIDE ELEMENTARY SCHOOL



SECTION A 3/4" = 1'-0" SECTION B 3/4" = 1'-0" SECTION C 3/4" = 1'-0" DETAIL 5 1/4" = 1'-0" SECTION D 3/4" = 1'-0" SECTION E 3/4" = 1'-0" SECTION F 3/4" = 1'-0"



REVISIONS

NO.	DESCRIPTION	DATE

**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.



APPROVED

DESIGNED DRAWN: **AWH** **DEC.**

CHECKED: **DEC.**

SCALE: **AS SHOWN**

DATE: **DEC. 1986**

DRAWING NO. **A-4**

JOB NO. **86-164**

CONTRACT NO.

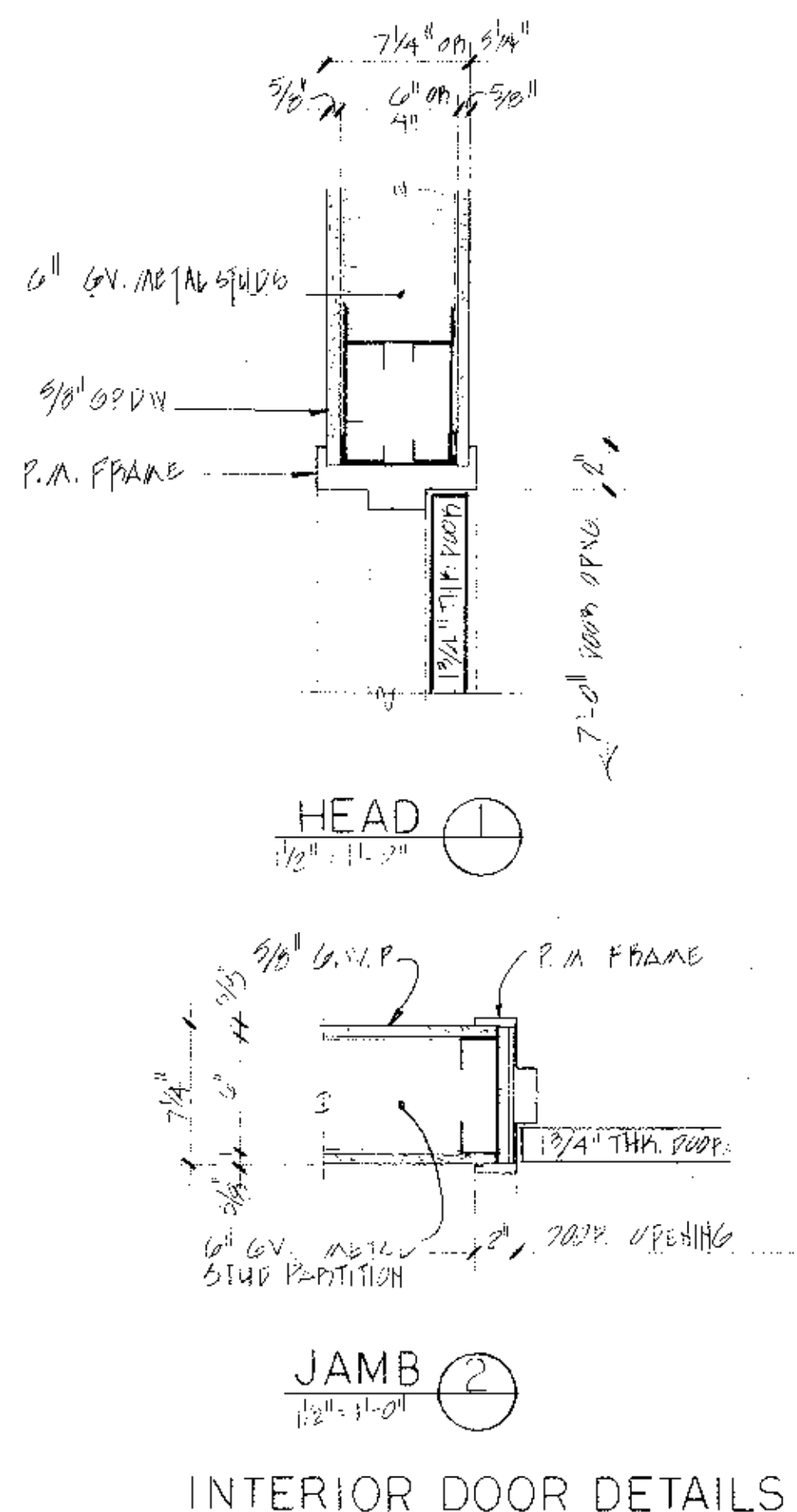
PROPOSED, ADDITIONS AND RENOVATIONS

**NEWTON, MASS.**

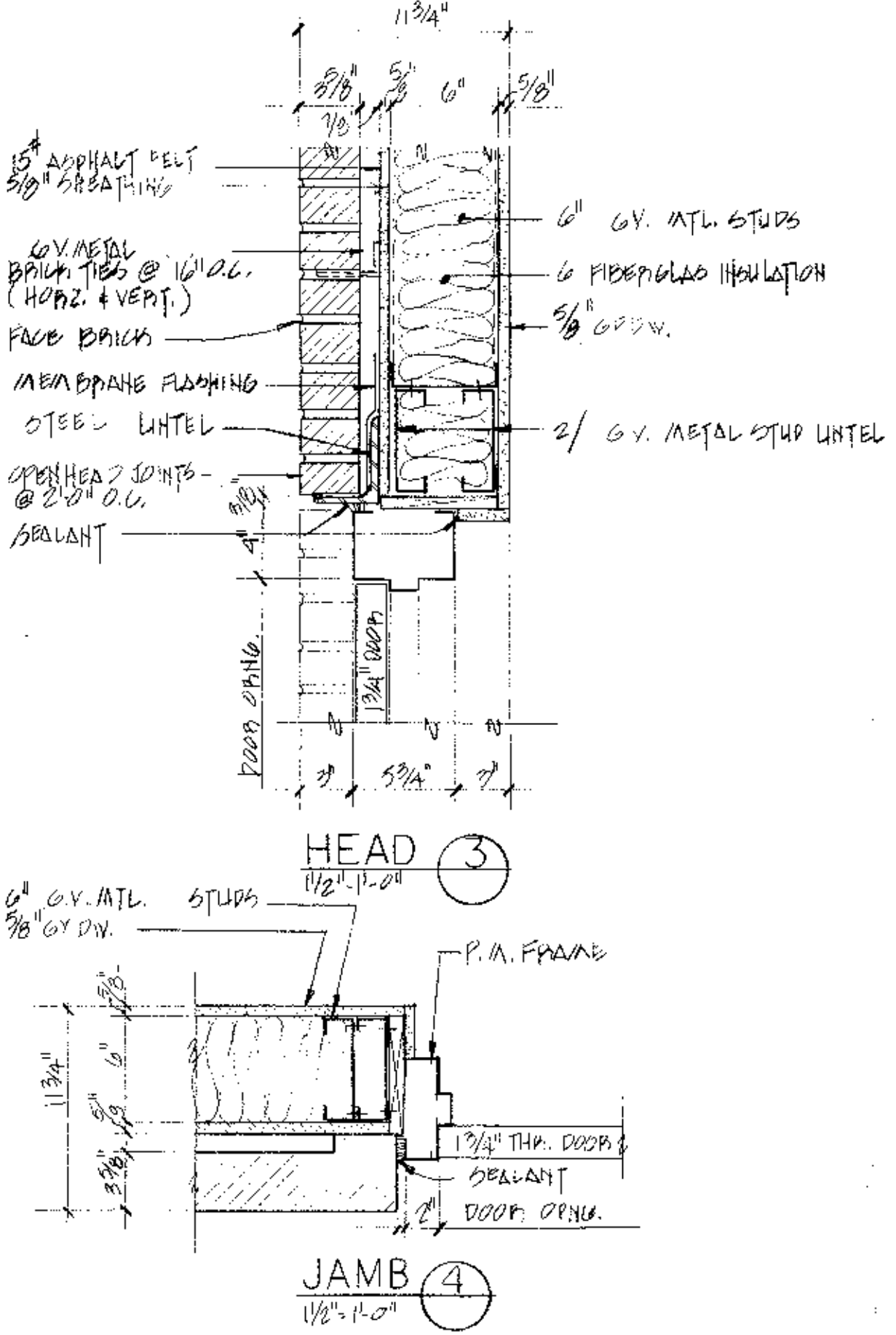
COUNTRYSIDE ELEMENTARY SCHOOL

SHEET 5 OF 10 SHEETS

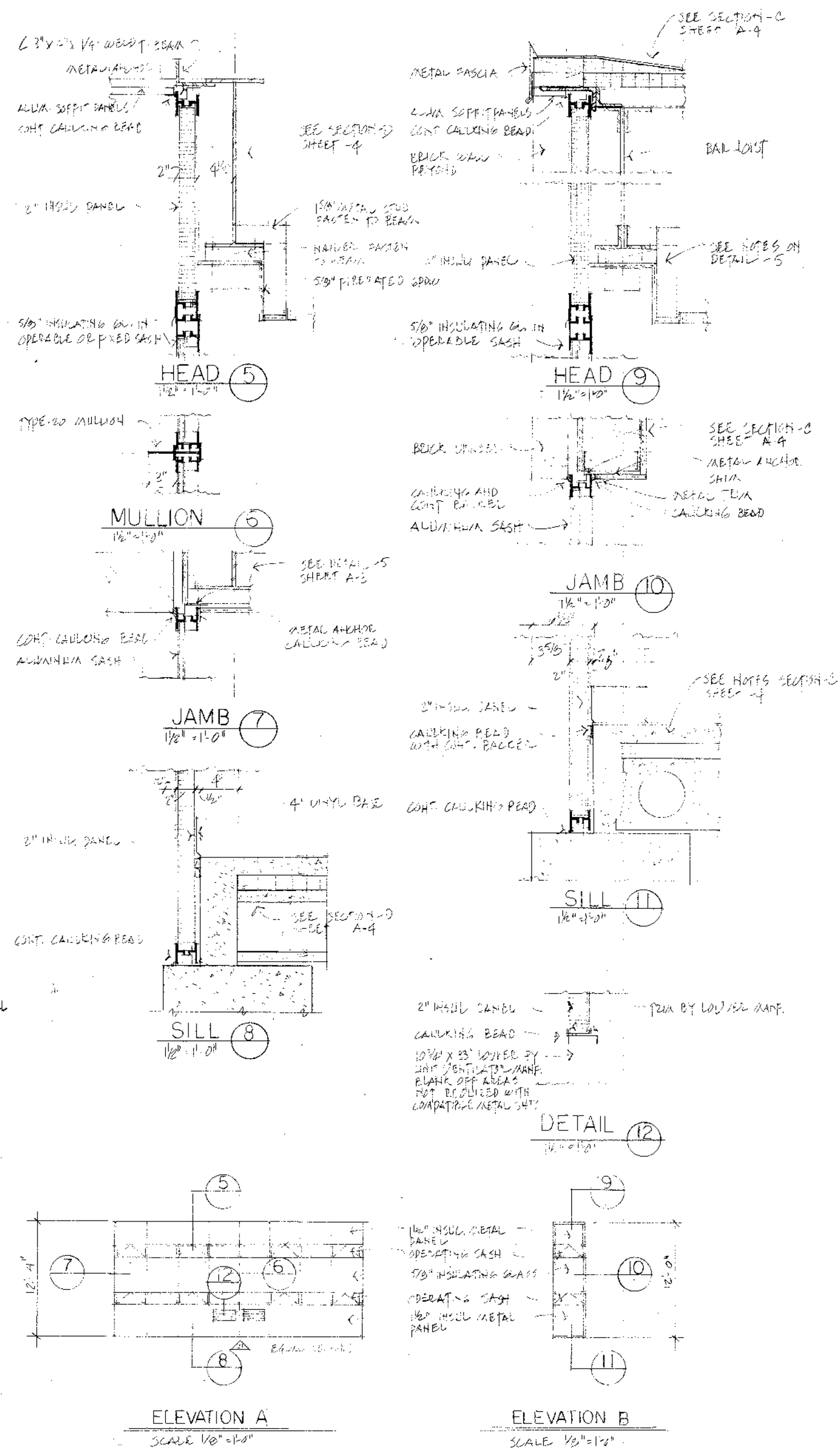




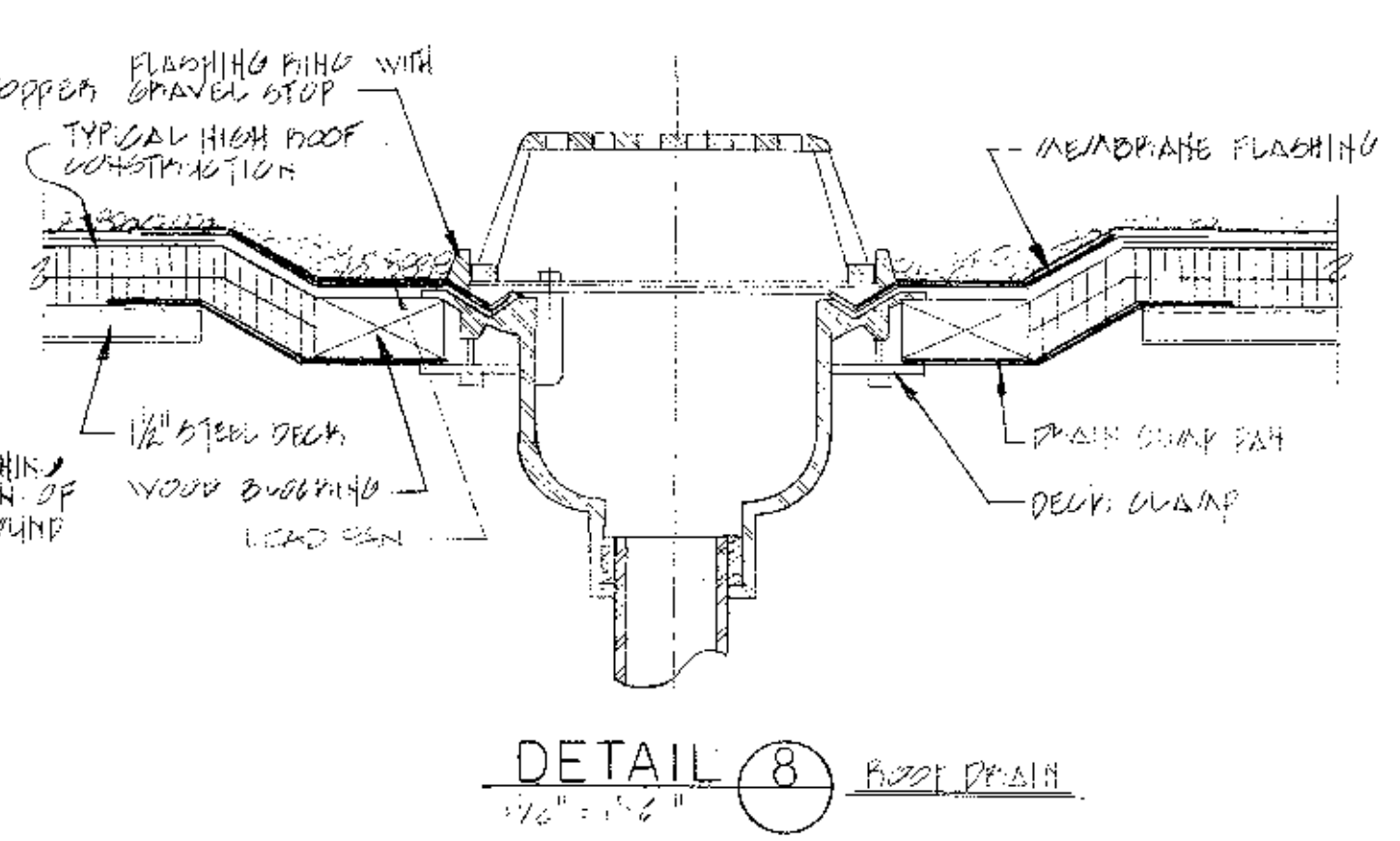
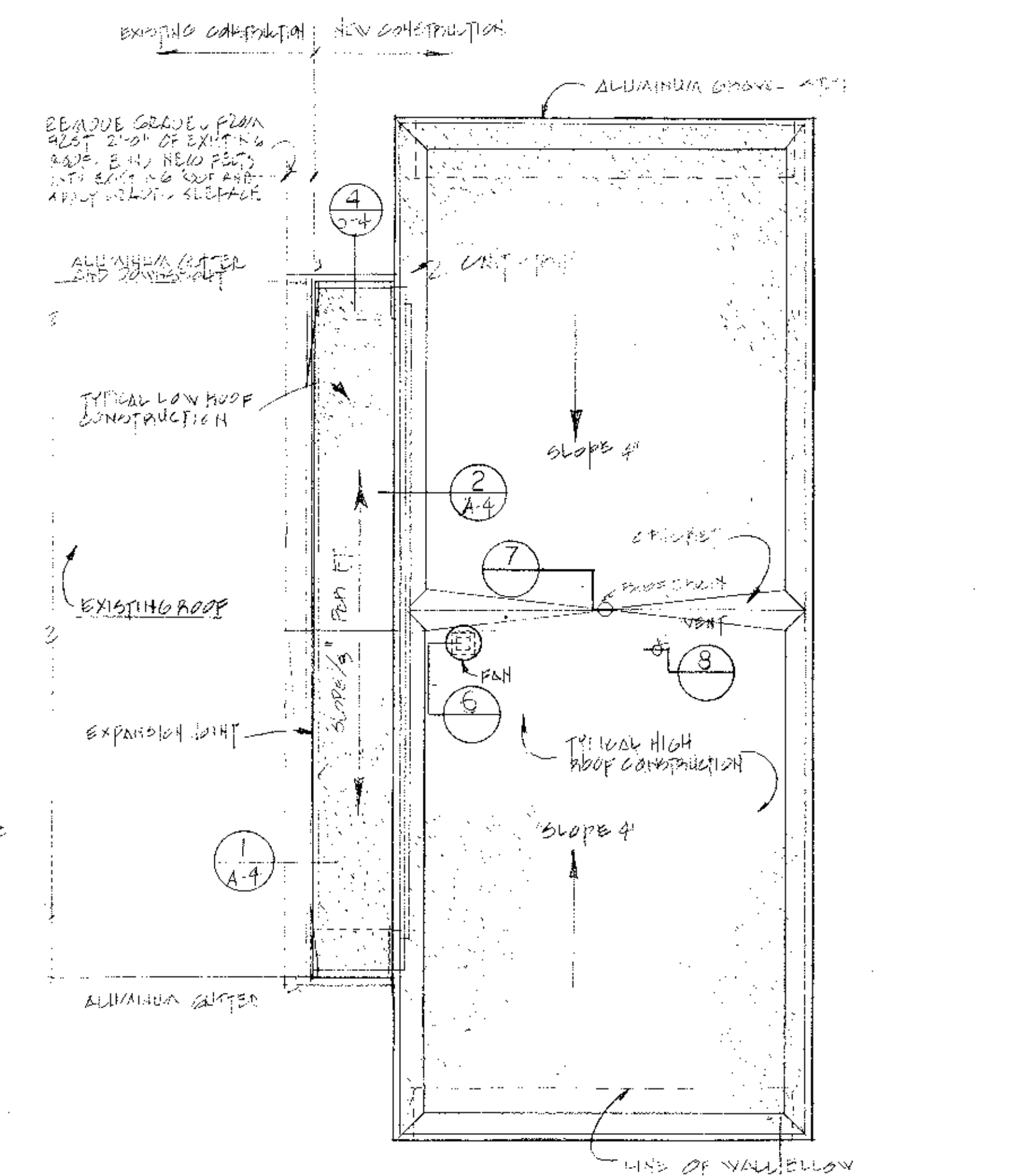
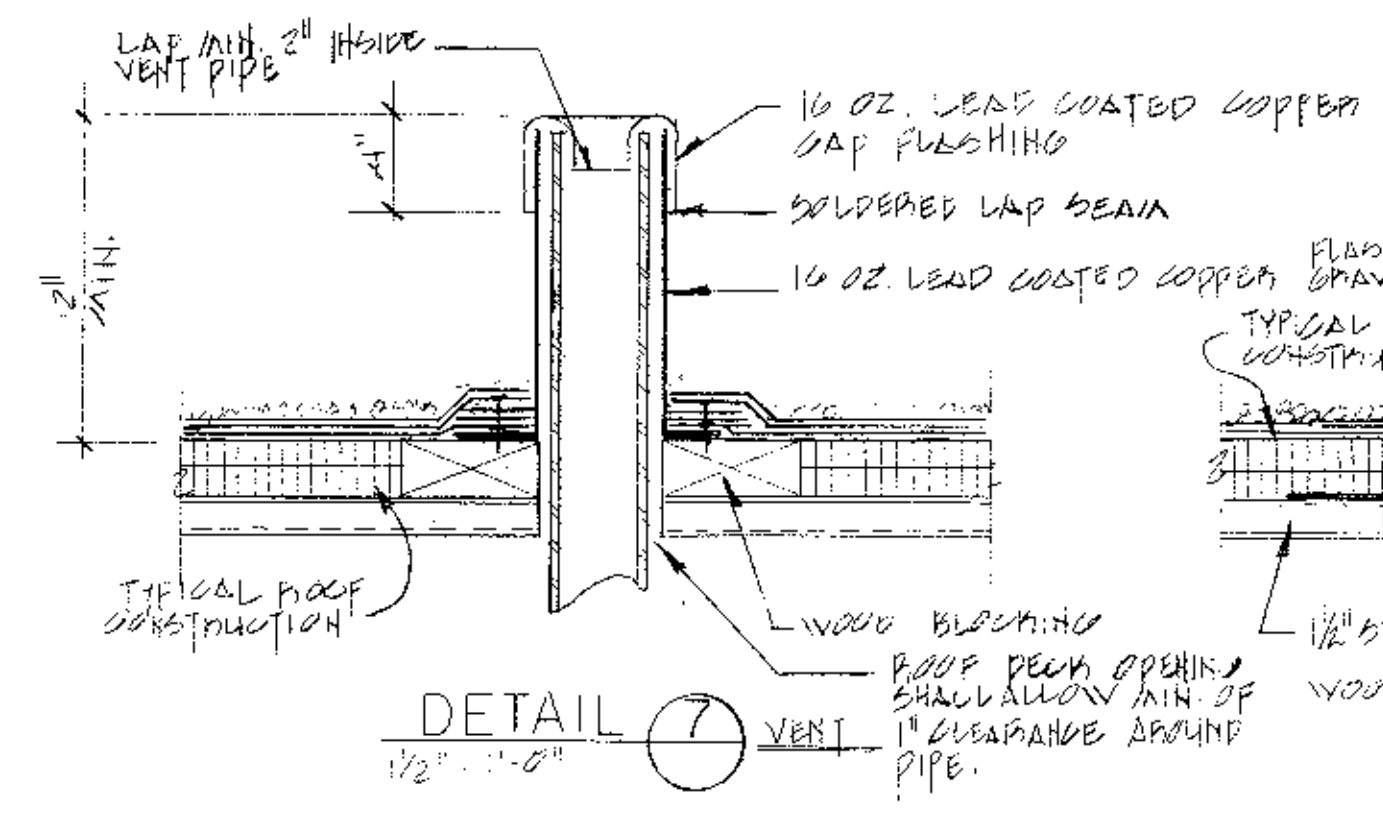
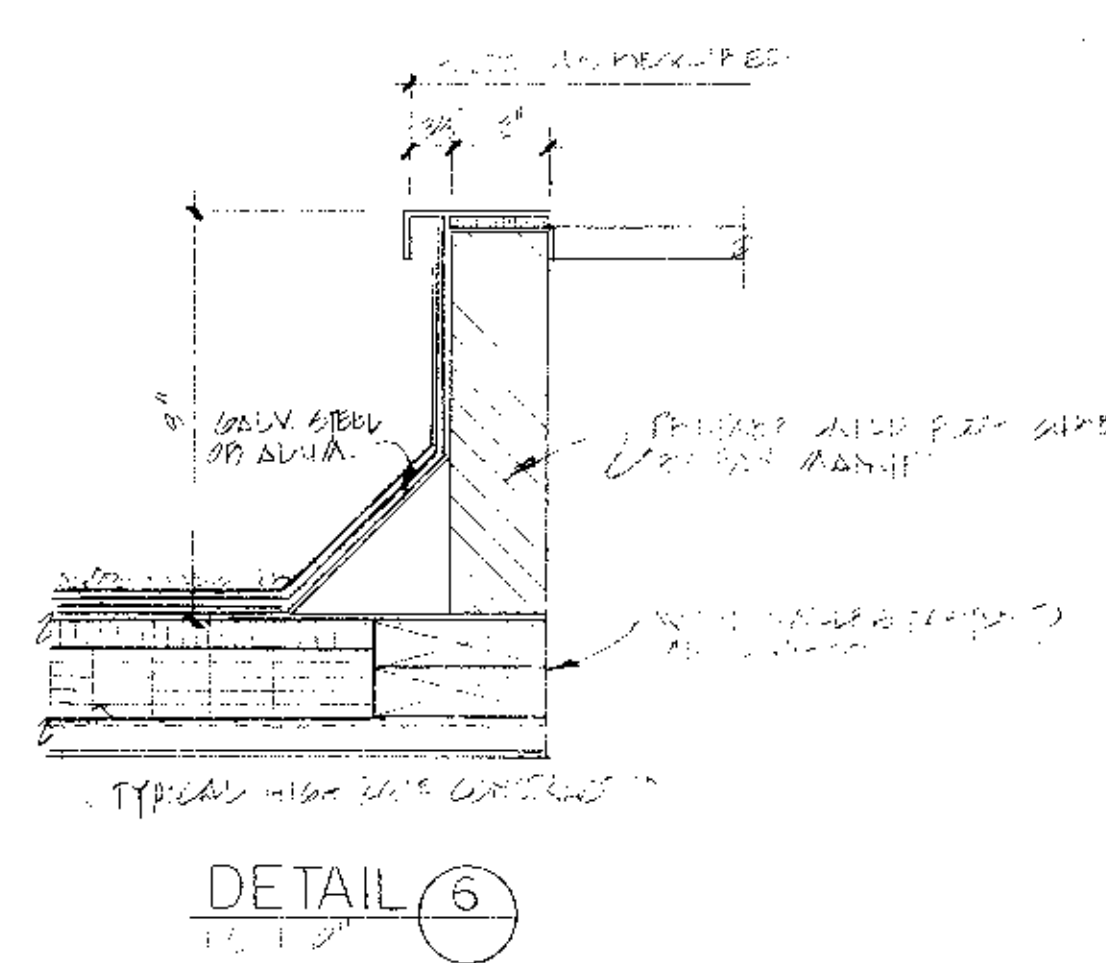
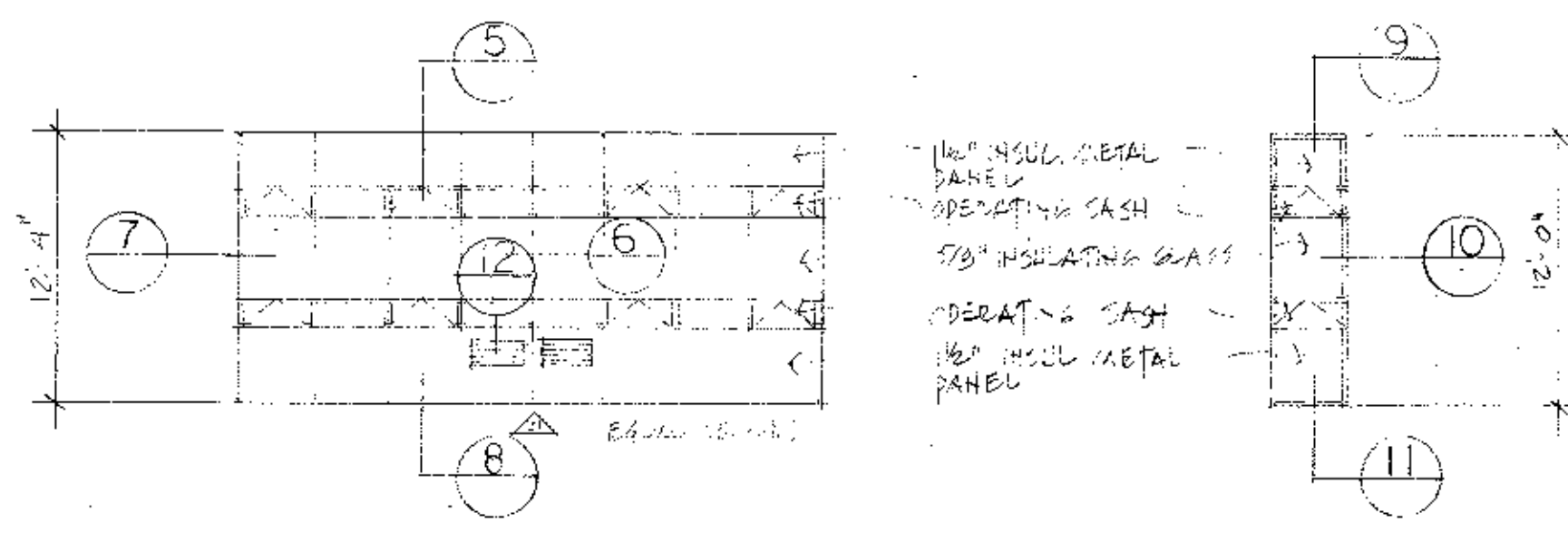
**INTERIOR DOOR DETAILS**



**EXTERIOR DOOR DETAILS**

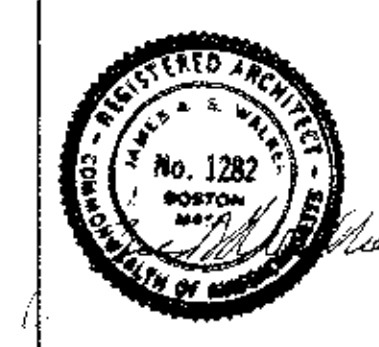


**WINDOW DETAILS**  
SCALE 1/8" = 1'-0"



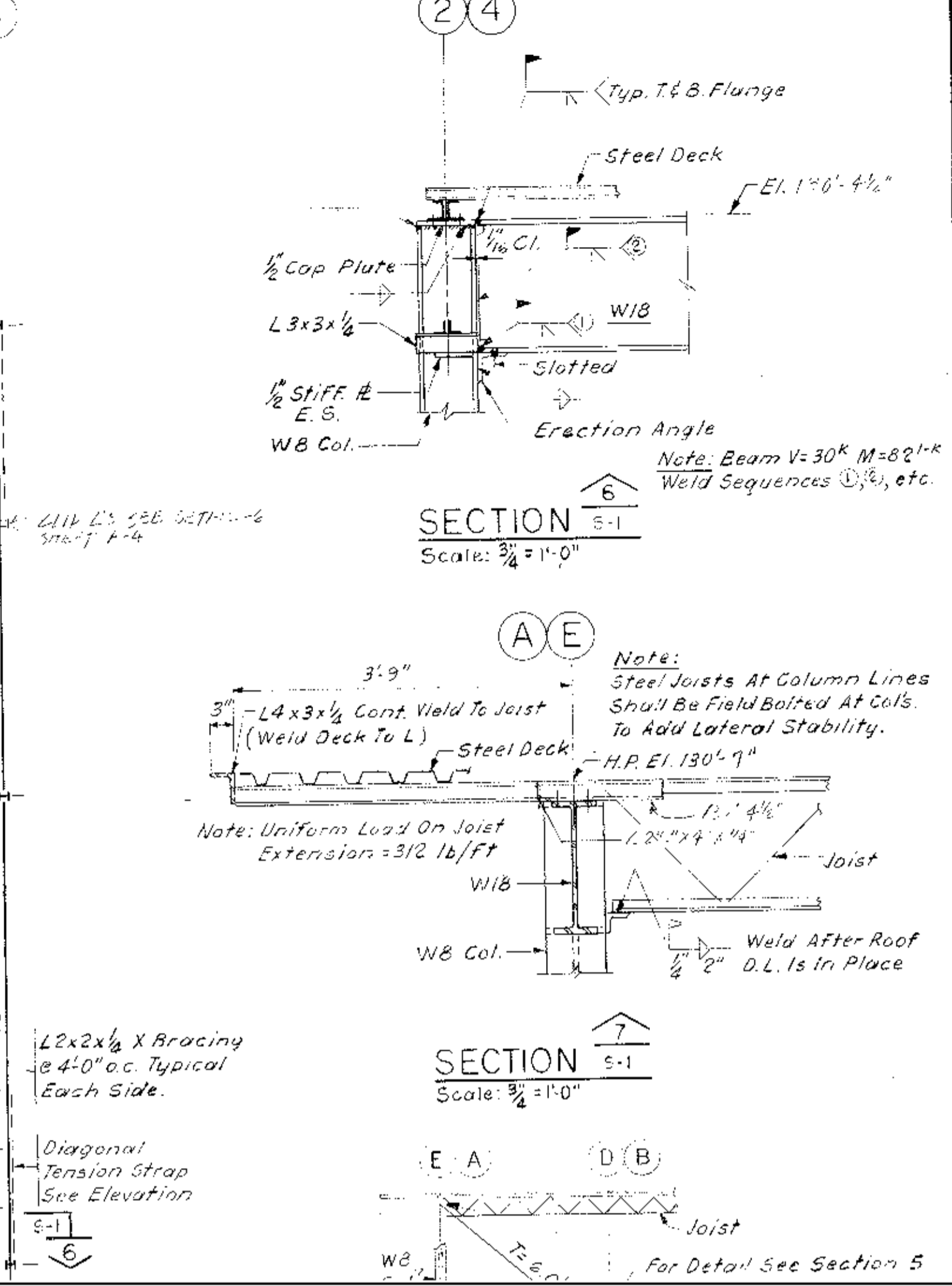
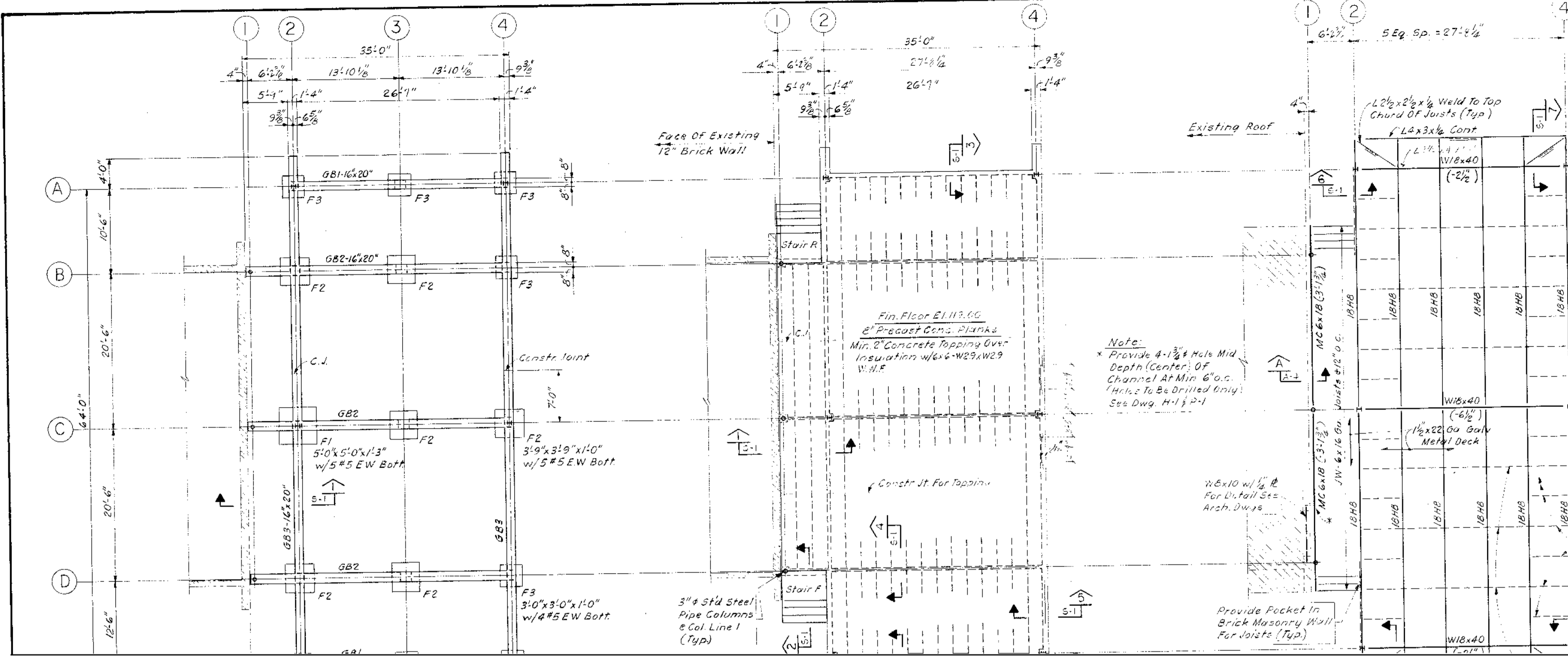
"As BUILT DRAWINGS"  
DOOR, WINDOW AND ROOF DETAILS

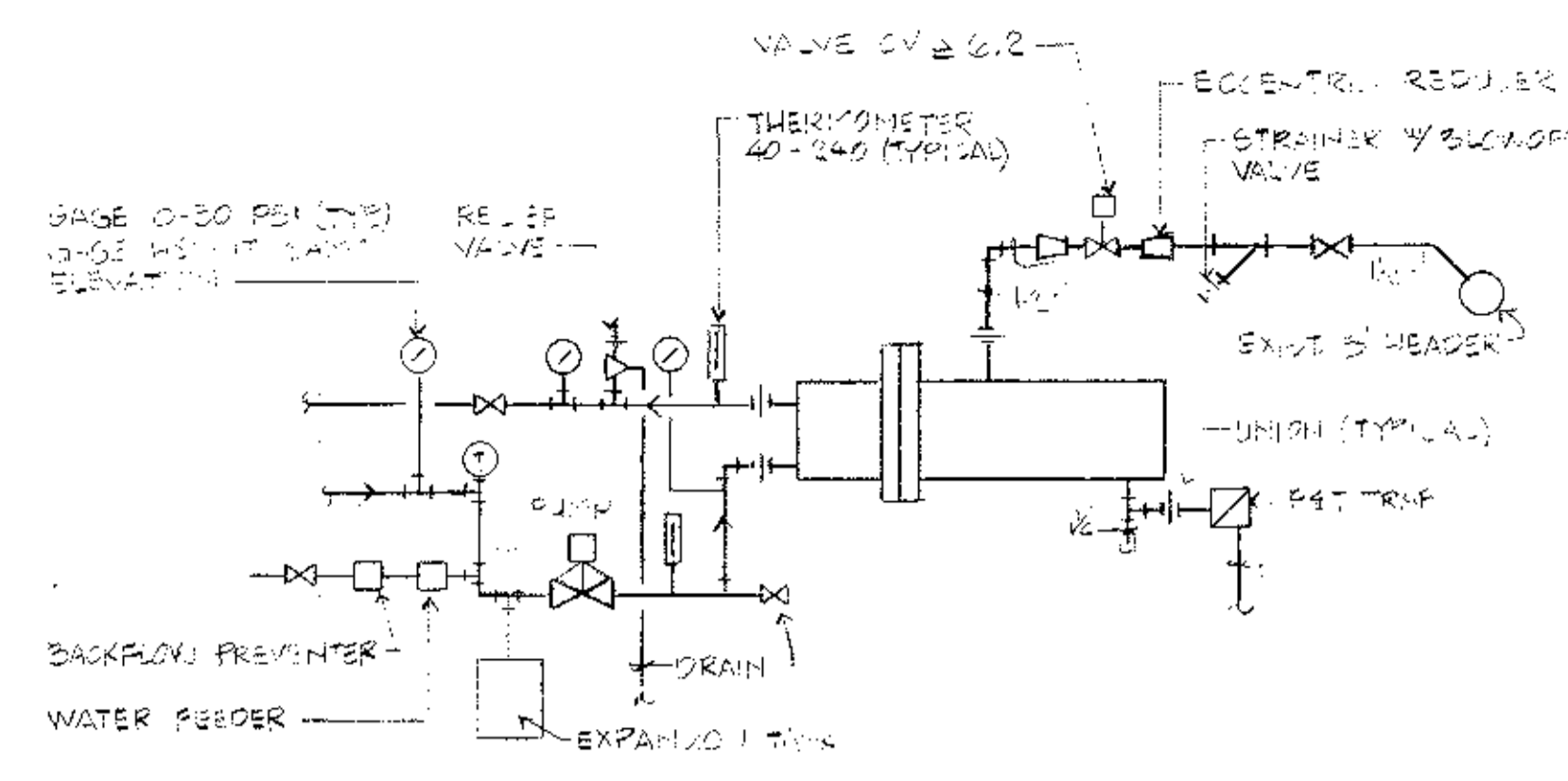
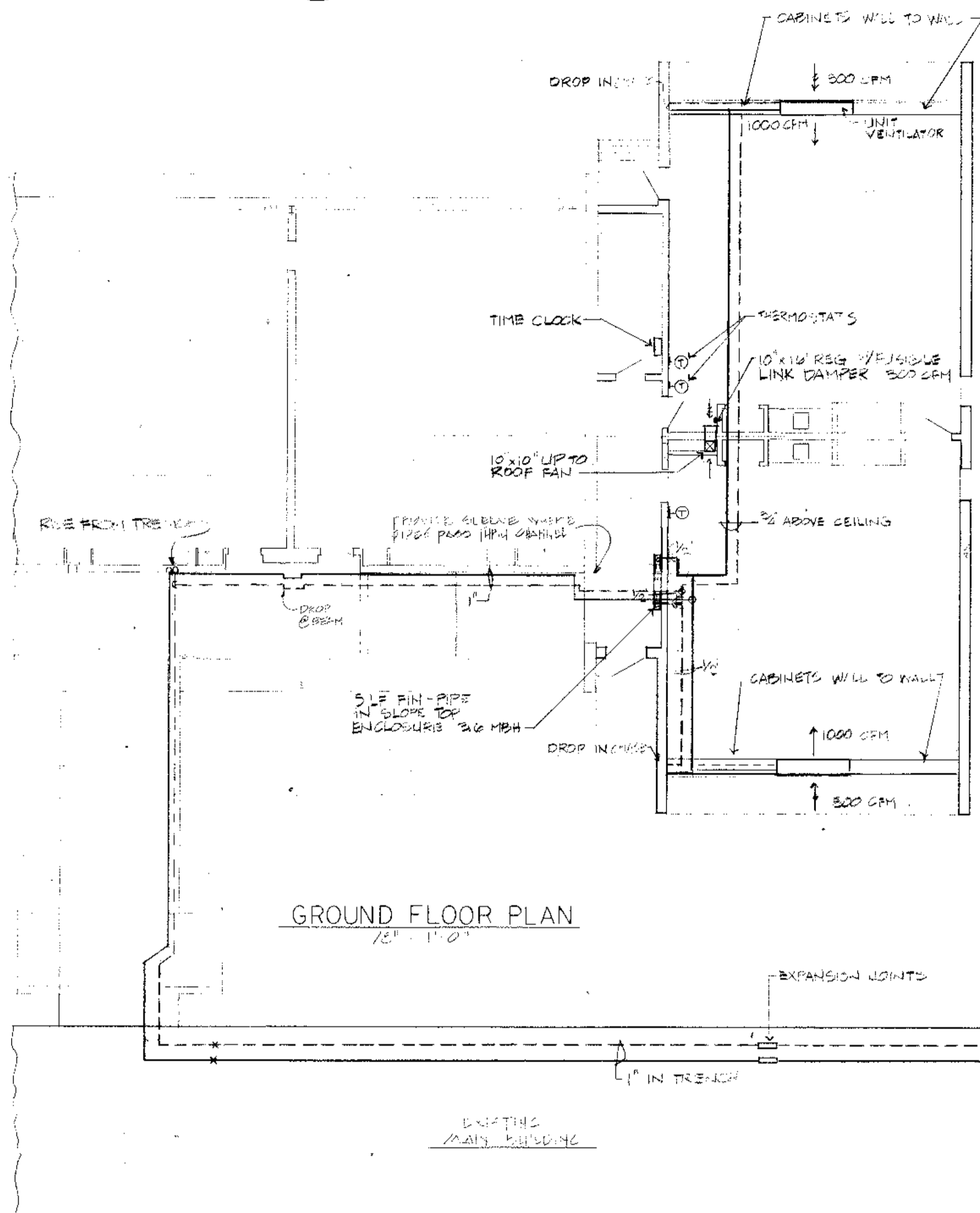
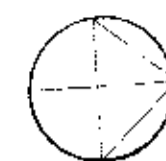
**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.



ORIGINAL FULL SIZE DRAWING = 4" REPRODUCTIONS MAY BE REDUCED SIZE				DRAWING NO. <b>A-5</b>
APPROVED				JOB NO. 86-164
DESIGNED/DRAWN H. DB	CHECKED JW	SCALE AS SHOWN	DATE DEC. 1986	CONTRACT NO.
SHEET 6 OF 10 SHEETS				

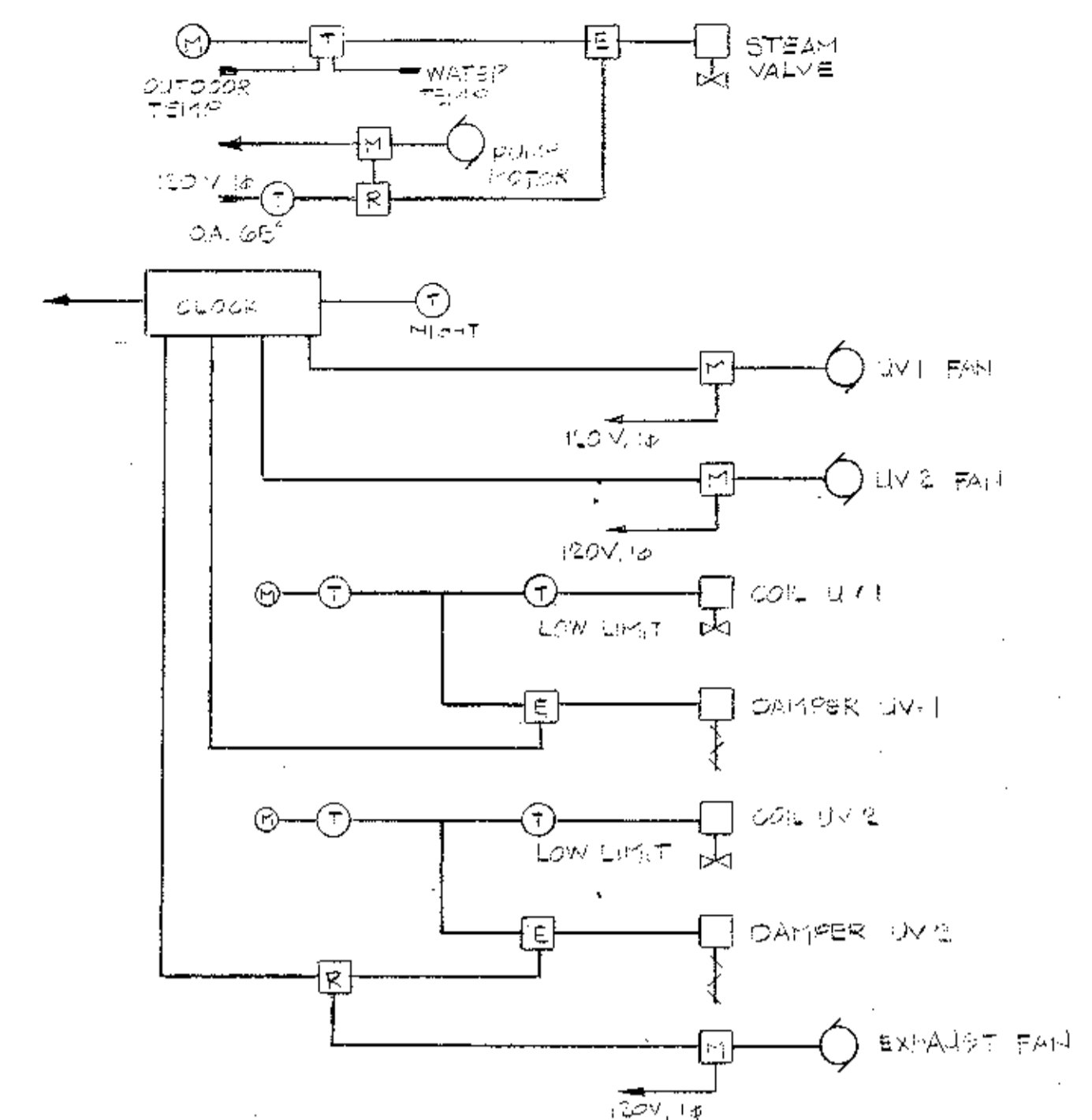
PROPOSED ADDITIONS AND RENOVATIONS  
**NEWTON, MASS.**  
COUNTRYSIDE ELEMENTARY SCHOOL





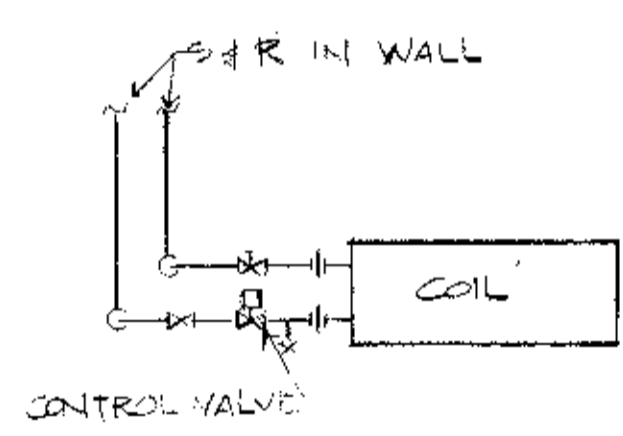
PIPING AT CONVERTOR  
NO SCALE

- (A) CONVERTOR (STEAM TO WATER) 4 GPM 140-150°F WITH STEAM AT 0PSI WATER SIDE P.R. LESS THAN 1 FT.
- (B) CIRCULATOR - MINIMUM 4 GPM AT 10 FT AND 8 GPM AT 5 FT
- (C) DIAPHRAM TYPE EXPANSION TANK
- (D) EXISTING 3" STEAM HEADER
- (E) EXISTING 2" STEAM HEADER
- (F) CONTROL VALVE
- (G) 3/4" FAT TRAP

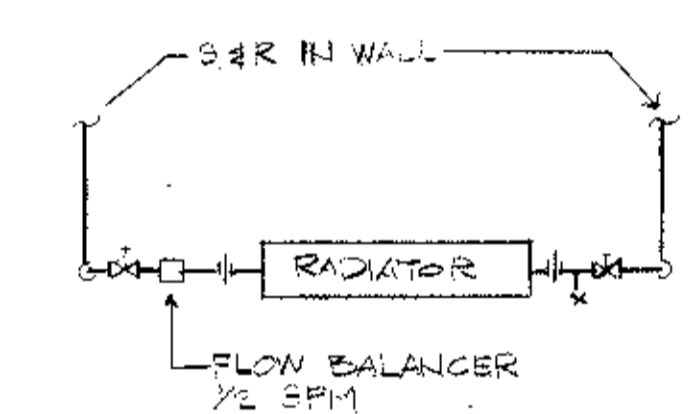


CONTROL WIRING DIAGRAM  
NO SCALE

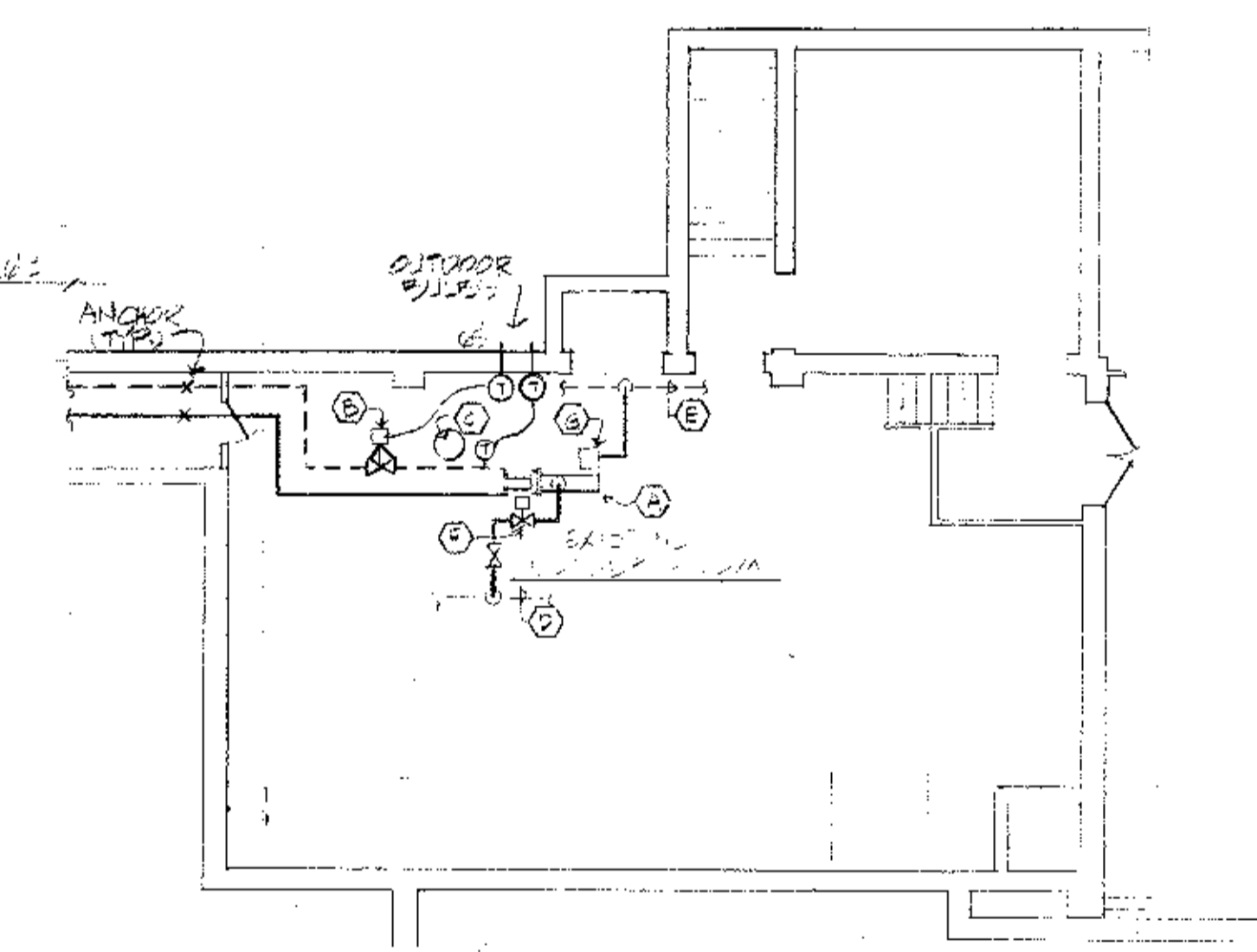
- CONTROL LEGEND
- (T) THERMOSTAT
  - (C) MAIN 20 PSI AIR
  - (E) E.P. SWITCH
  - (M) MANUAL STARTER
  - (R) RELAY
  - (MOTOR) MOTOR



UNIT VENTILATOR



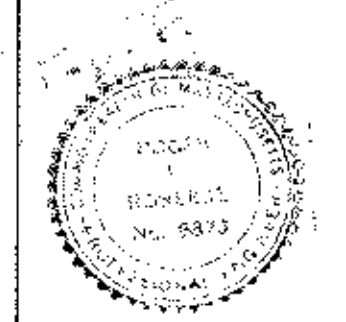
FIN PIPE RADIATOR



PIPING DETAILS

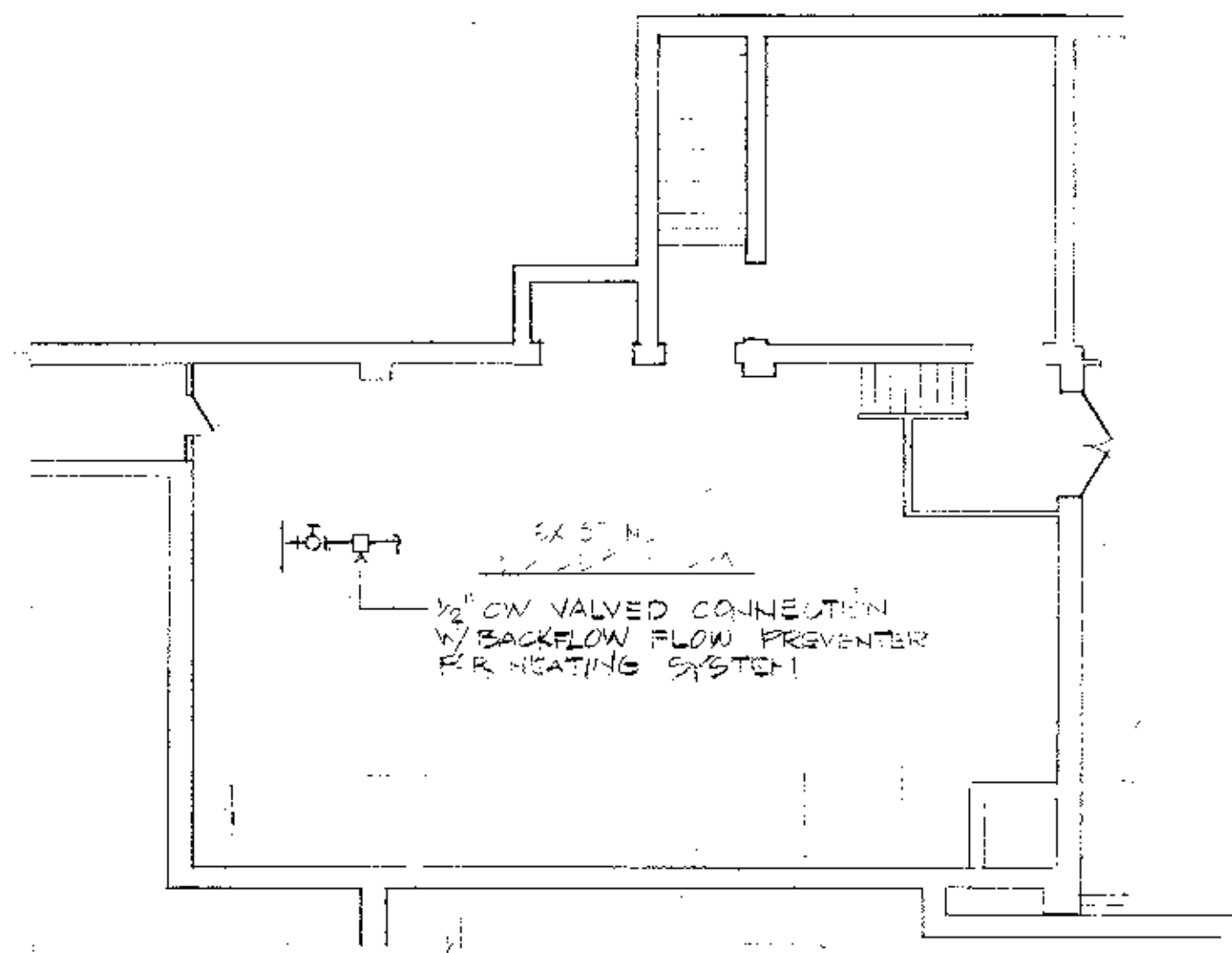
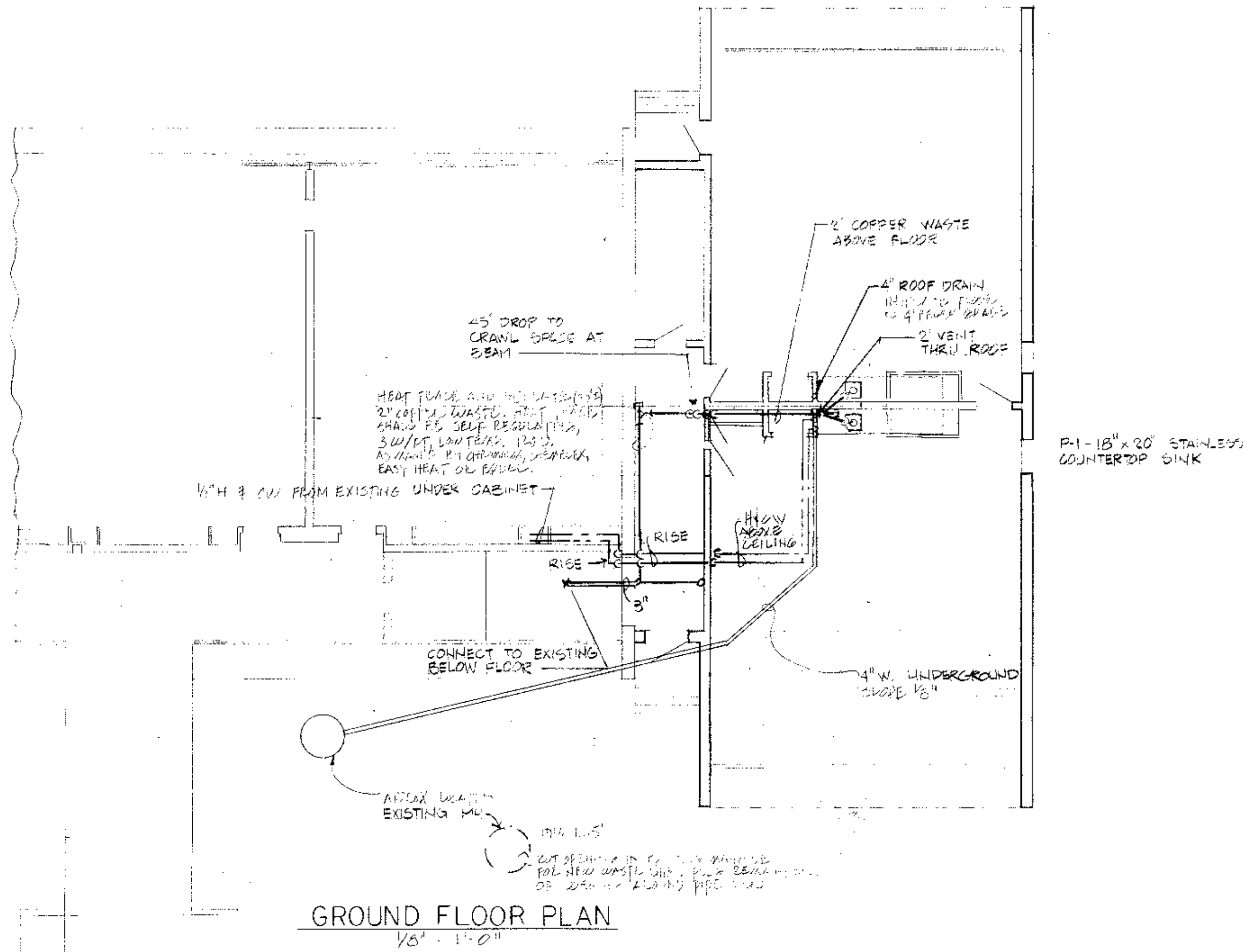
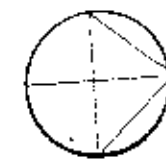
NO.	DESCRIPTION	DATE

**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.



ORIGINAL FULL SIZE DRAWING = 4"				DRAWING NO. H-1	
REPRODUCTIONS MAY BE REDUCED SIZE				JOB NO. 86-164	
APPROVED				CONTRACT NO.	
DESIGNED	DRAWN	CHECKED	SCALE	DATE	SHEET
			AS SHOWN	DEC. 1986	9 OF 10 SHEETS

As BUILT Drawings  
HEATING AND VENTILATING PLAN AND DETAILS  
PROPOSED ADDITIONS AND RENOVATIONS  
**NEWTON, MASS.**  
COUNTRYSIDE ELEMENTARY SCHOOL

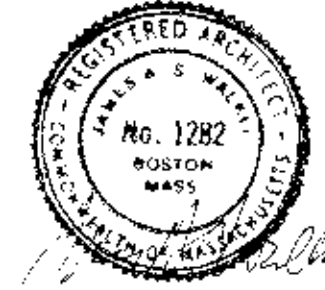


GROUND FLOOR PLAN  
1/8" = 1'-0"

EXISTING  
MAIN BUILDING

"As BUILT DRAWINGS"  
PLUMBING PLAN AND DETAILS

**WHITMAN & HOWARD, INC.**  
45 WILLIAM STREET, WELLESLEY, MASS.



ORIGINAL FULL SIZE DRAWING = 4"  
REPRODUCTIONS MAY BE REDUCED SIZE

DRAWING NO. P-1  
JOB NO. 86-164  
CONTRACT NO.

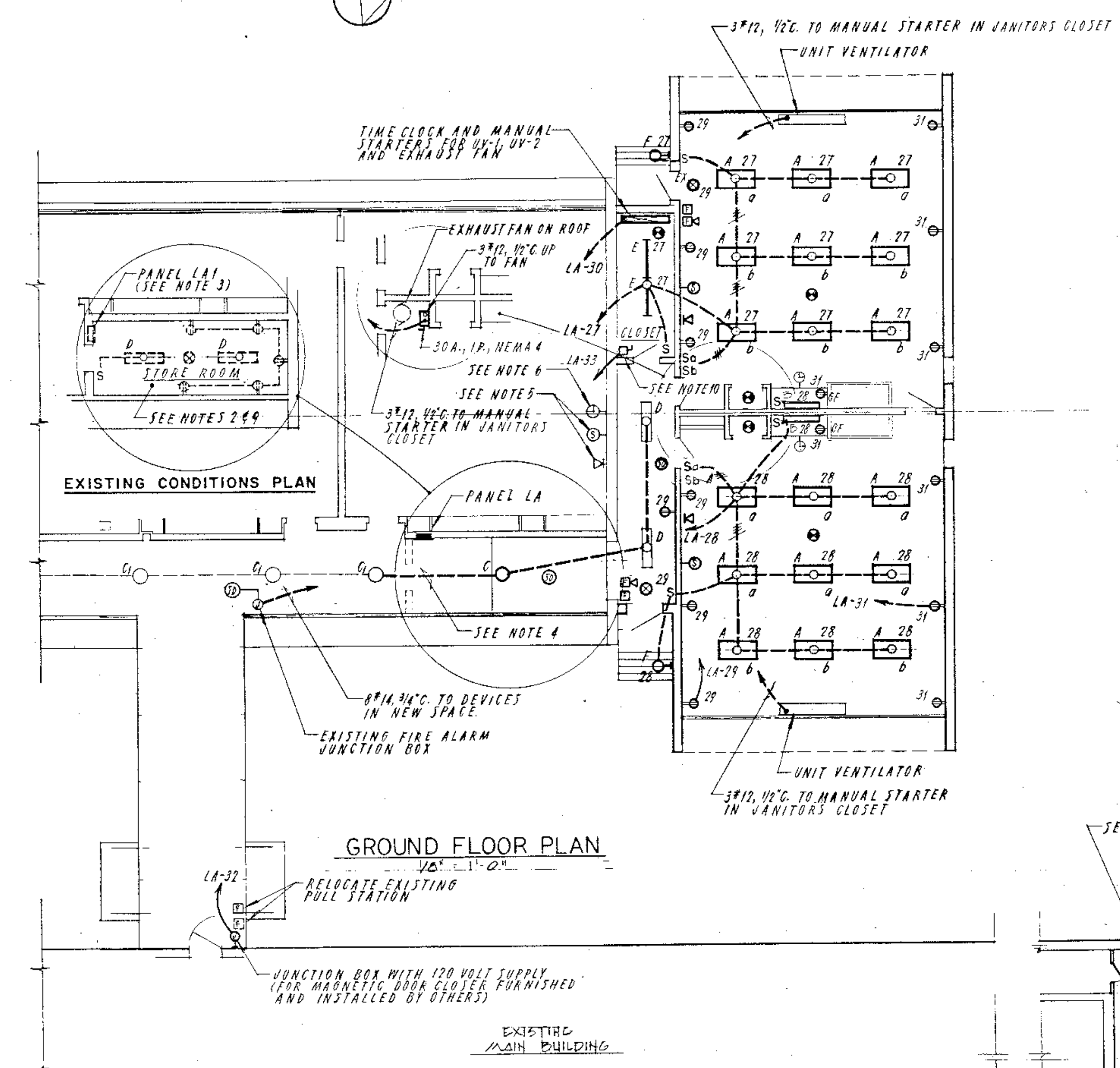
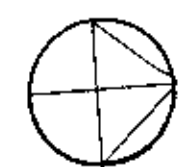
PROPOSED ADDITIONS AND RENOVATIONS

NEWTON, MASS.

COUNTRYSIDE ELEMENTARY SCHOOL

DESIGNED DRAWN: E.T. M.P.D.  
CHECKED: H.G.  
SCALE: AS SHOWN  
DATE: DEC. 1986

SHEET 8 OF 10 SHEETS



**"LA" PANEL SCHEDULE**

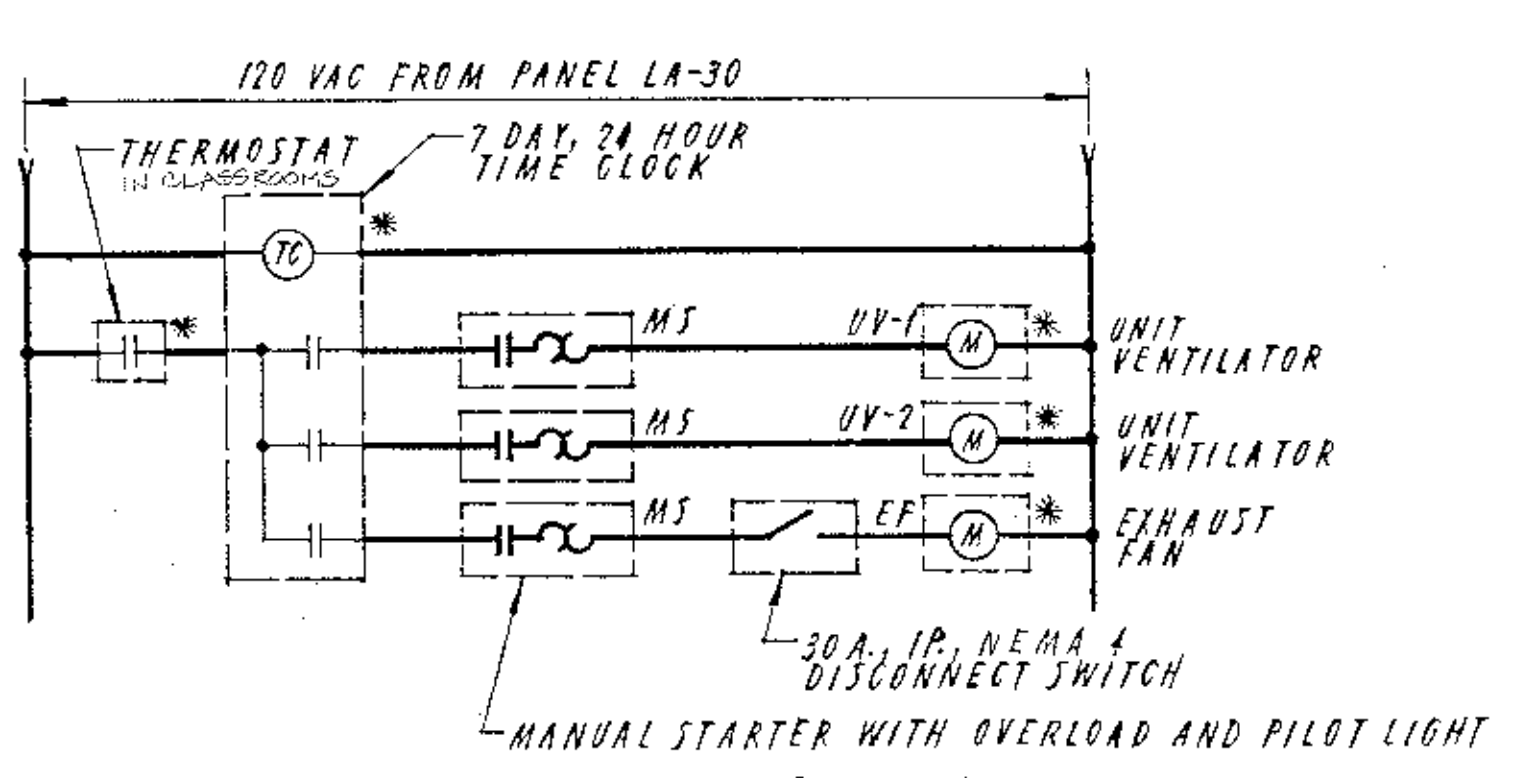
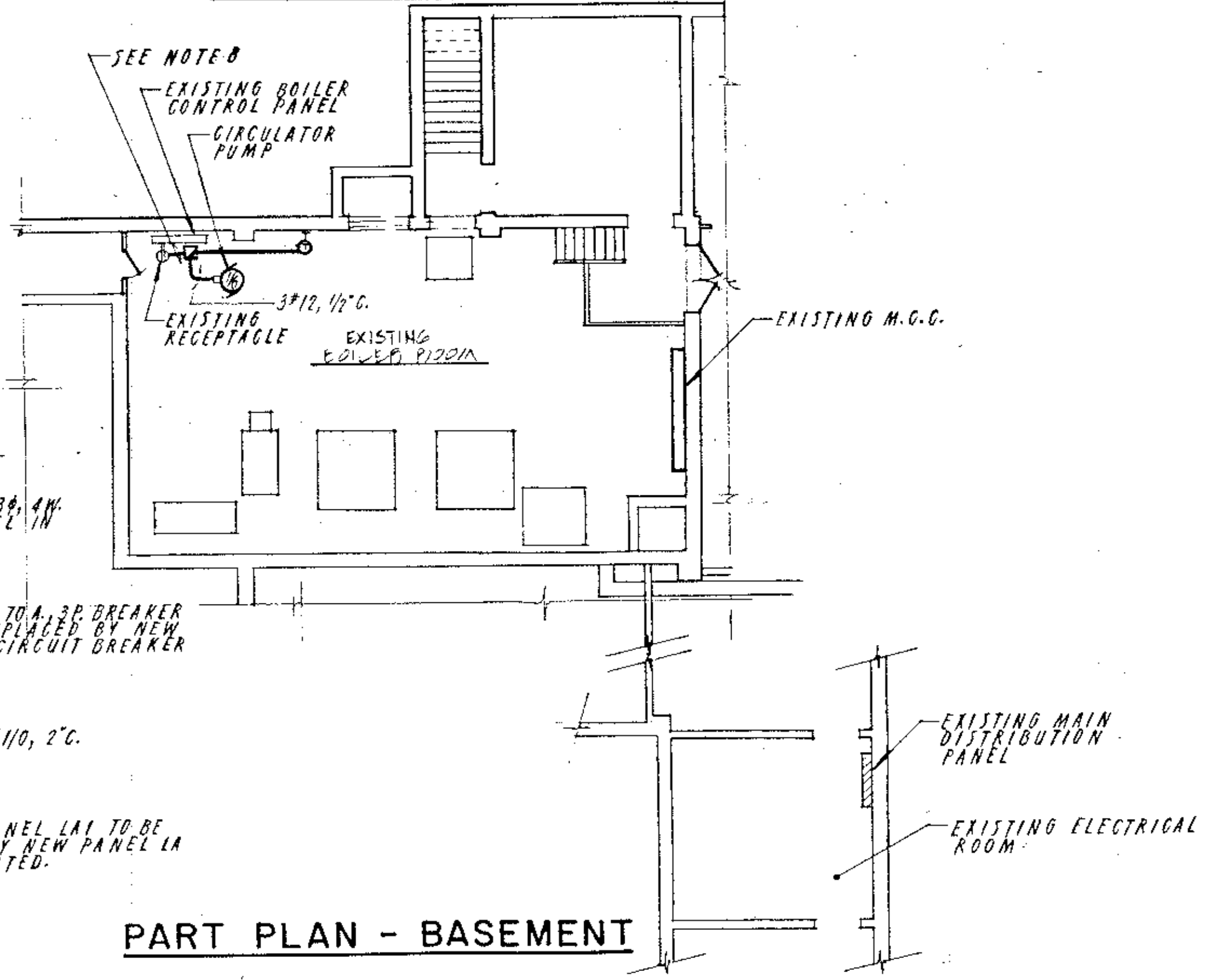
SERVICE: 100 AMP, 120/208 VOLT, 3 PHASE, 4 WIRE MAINS ONLY  
 MOUNTING: FLUSH  
 LOCATION: CORRIDOR

CIR. NO.	APPLICATION	LOAD		CIR. BRKR.	REMARKS
		KW	HP		
1				1 20A	
2				1 20A	
3				1 20A	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21				Y Y	
22				1 20A	
23				1 20A	
24				2 20A	
25					
26					
27	LIGHTING-NEW SPACE	1.9		1 20A	
28	LIGHTING-NEW SPACE	1.9		1 20A	
29	RECEPTACLES	0.5		1 20A	
30	UNIT VENTILATOR	1.0		1 20A	
31	RECEPTACLES	0.5		1 20A	
32	DOOR CLOSER	0.5		1 20A	
33	HEAT TRACING	0.5		1 20A G.F.C.I. BREAKER	
34	SPACE				
35	SPACE				
36	SPACE				

**LIGHTING FIXTURE SCHEDULE**

FIXTURE TYPE	MANUFACTURER	CATALOG NO.	WATTS	FIXT.	FIXTURE			REMARKS
					TYPE	MTG.	LAMPS/VOLTS	
A	BENJAMIN-THOMAS	085-2214-A	200	200	FLUOR. RECESS	4-10W	120	
B	BENJAMIN-THOMAS	02W-2214-A	80	80	FLUOR. WALL	1-10W	120	
C	LIGHTING	8770	100	100	INCAND. SURFACE	1-100W	120	TO MATCH "G" FIXTURE
D	EXISTING		120	120	INCAND. SURFACE	3-40W	120	TO BE RETAINED
E	EXISTING		100	100	FLUOR. SURFACE	2-10W	120	TO BE REMOVED EXCEPT
EX	E.L.S.	SERIES FRX	15	15	FLUOR. SURFACE	2-10W	120	SELF-CONTAINED "B" TYPE
F	BENJAMIN-THOMAS	S-14-2WB	100	100	FLUOR. SURFACE	2-10W	120	
G	BENJAMIN-THOMAS	085-125-120.B	35	35	HPS WALL	1-35W	120	

- LEGEND**
- 1 2 [Symbol] CEILING OUTLET WITH FLUORESCENT LIGHTING FIXTURE ("A" INDICATES TYPE, "2" INDICATES CIRCUIT, "B" INDICATES SWITCH CONTROL)
  - 3 [Symbol] CEILING OUTLET WITH INCANDESCENT LIGHTING FIXTURE. NOTATION SAME AS ABOVE.
  - 4 [Symbol] EXIT LIGHTING FIXTURE
  - 5 [Symbol] WALL-MOUNTED INCANDESCENT LIGHTING FIXTURE
  - 6 [Symbol] EXISTING FLUORESCENT FIXTURE TO BE RELOCATED AND REUSED.
  - 7 [Symbol] SINGLE POLE SWITCH
  - 8 [Symbol] DUPLEX RECEPTACLE
  - 9 [Symbol] CLOCK RECEPTACLE
  - 10 [Symbol] INTERCONNECTING TELEPHONE
  - 11 [Symbol] THERMOSTAT
  - 12 [Symbol] FIRE ALARM MANUAL PULL STATION
  - 13 [Symbol] FIRE ALARM HORN
  - 14 [Symbol] FIRE ALARM SMOKE DETECTOR
  - 15 [Symbol] FIRE ALARM HEAT DETECTOR
  - 16 [Symbol] LIGHTING PANELBOARD
  - 17 [Symbol] JUNCTION BOX
  - 18 [Symbol] CONDUIT RUN CONCEALED
  - 19 [Symbol] CONDUIT TURNING UP
  - 20 [Symbol] CONDUIT TURNING DOWN
  - 21 [Symbol] HOMERUN TO PANELBOARD LA, CIRCUIT 27. DIAGONALS INDICATE NUMBER OF #12 A.W.G. CONDUCTORS WHEN GREATER THAN TWO.
  - 22 [Symbol] DISCONNECT SWITCH
  - 23 [Symbol] MANUAL MOTOR STARTER
  - 24 [Symbol] MOTOR - NUMERAL INDICATES HORSEPOWER
  - 25 [Symbol] CONDUIT RUN EXPOSED
  - 26 [Symbol] GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE



**PARTIAL ONE LINE DIAGRAM**

ALL ITEMS MARKED WITH AN ASTERISK FURNISHED UNDER DIVISION 15 AND INSTALLED AND WIRED UNDER DIVISION 16. ALL OTHER ITEMS FURNISHED, INSTALLED AND WIRED UNDER DIVISION 16.

- NOTES**
- THIS DRAWING IS BASED ON RECORD DRAWINGS E-1, E-2, E-3 AND E-4, DATED NOV 19, 1981, BY CYAN & FERSONSON AND E-1 AND E-2, DATED DEC. 11, 1977, BY HUGH STUBBINS/FRYS, DUBIN. THE ELECTRICAL CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING ELECTRICAL SYSTEMS INDICATED ON THIS DRAWING.
  - RETAIN EXISTING CORRIDOR LIGHTING FIXTURES (C), SMOKE DETECTOR AND FIRE ALARM JUNCTION BOX. DISCONNECT AND REMOVE EXISTING FIXTURES (D), LIGHT SWITCH AND HEAT DETECTOR IN STORE ROOM AND REUSE AS INDICATED.
  - EXISTING PANEL LA-1 WITH 24-POLE AND 1-2 POLE, 70 AMP BREAKERS FEEDS ELECTRICAL LOADS IN EXISTING SPACE. DE-ENERGIZE AND DISCONNECT THE FEEDER AND BRANCH CIRCUITS TERMINATING PRESENTLY IN PANEL LA-1 AND REMOVE LA-1. RECONNECT FEEDERS AND BRANCH CIRCUITS TO NEW PANEL LA AT NEW LOCATION.
  - EXTEND EXISTING CORRIDOR LIGHTING CIRCUIT TO CONNECT C AND D FIXTURES IN NEW SPACE CORRIDOR.
  - EXTEND SPEAKER CIRCUIT FROM EXISTING INTERCONNECTING TELEPHONE OUTLET TO NEW TELEPHONE AND SPEAKER OUTLETS IN NEW SPACE.
  - EXTEND CLOCK CIRCUIT FROM EXISTING CLOCK OUTLET TO CLOCK OUTLETS IN NEW SPACE.
  - FROM EXISTING FIRE ALARM JUNCTION BOX IN CORRIDOR EXTEND INITIATING AND ALARM CIRCUITS TO FIRE ALARM DEVICES IN NEW SPACE.
  - EXTEND EXISTING RECEPTACLE CIRCUIT TO INCLUDE NEW CIRCULATOR PUMP AND CONTROLS.
  - DISCONNECT AND REMOVE ALL EXISTING RECEPTACLES, SURFACE RACEWAY AND WIRING IN EXISTING STORE ROOM.
  - ON CIRCUIT LA-33 FURNISH AND INSTALL WIRING AND DISCONNECT SWITCH FOR DRAIN PIPE HEAT TRACING FURNISHED AND INSTALLED UNDER DIVISION 16. DISCONNECT SWITCH SHALL BE 30 AMP, SINGLE POLE.

**As BUILT DRAWINGS**  
ELECTRICAL PLAN AND DETAILS

<p><b>WHITMAN &amp; HOWARD, INC.</b> 45 WILLIAM STREET, WELLESLEY, MASS.</p>		<p>ORIGINAL FULL SIZE DRAWING - 4" REPRODUCTIONS MAY BE REDUCED SIZE</p>		<p>DRAWING NO. <b>E-1</b> JOB NO. 86-164 CONTRACT NO.</p>		<p>PROPOSED ADDITIONS AND RENOVATIONS <b>NEWTON, MASS.</b> COUNTRYSIDE ELEMENTARY SCHOOL</p>	
<p>DESIGNED: RKC DRAWN: E.C.C. CHECKED: DLR SCALE: AS NOTED DATE: DEC, 1986</p>		<p>APPROVED: [Signature]</p>		<p>DATE: DEC, 1986</p>		<p>SHEET 10 OF 10 SHEETS</p>	
<p>NO. DESCRIPTION DATE</p>		<p>REVISIONS</p>					