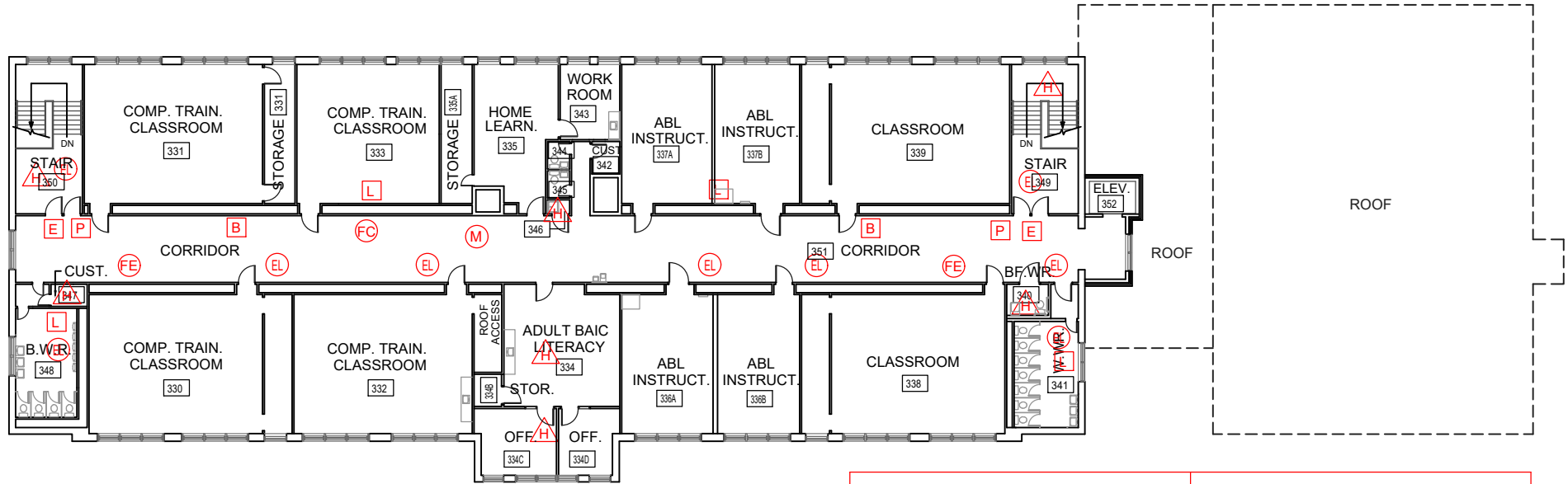


# THIRD FLOOR PLAN

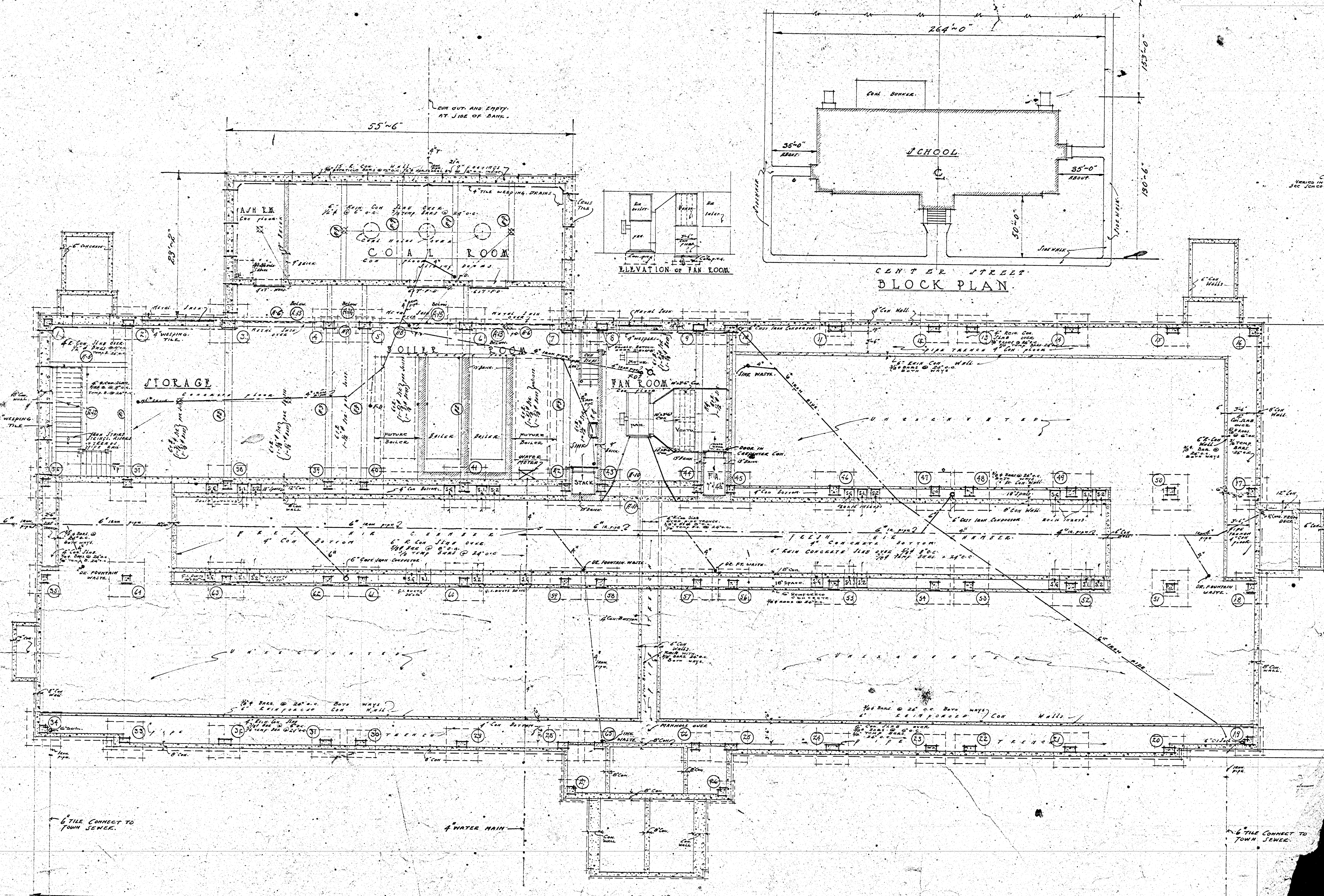
E.A. LOVELL ADULT & CONTINUING  
EDUCATION CENTRE - 299

SCALE: N.T.S. 06/OCT/2022

13 641 sq. ft.

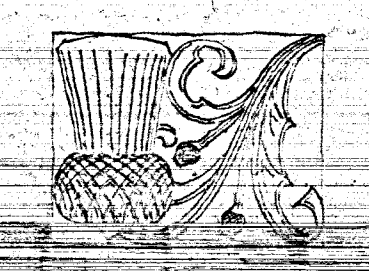


EP	EMERGENCY LIGHTING BATTERY PACK	FC	FIRE HOSE CABINET
EL	EMERGENCY LIGHTING	S	SMOKE DETECTOR
F	ALARM SHUT OFF	HD	HEAT DETECTOR
A	ANNUNCIATOR PANEL	HD(U)	HEAT DETECTOR (UNDER STAGE)
B	FIRE ALARM	NGS	NAT GAS SHUTOFF
P	PULL STATION	MW	MAIN WATER SHUTOFF
E	EXIT SIGN	ME	MAIN ELEC SHUTOFF
L	FIRE LIGHT	S	SECURITY PANEL
FE	FIRE EXTINGUISHER	M	MOTION DETECTOR
FB	FIRE BLANKET	FD	FIRE DEPT STANDPIPE CONNECTION

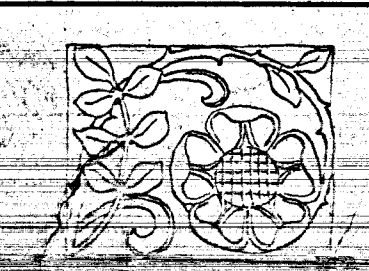


~ FOOTING & BASEMENT PLAN ~

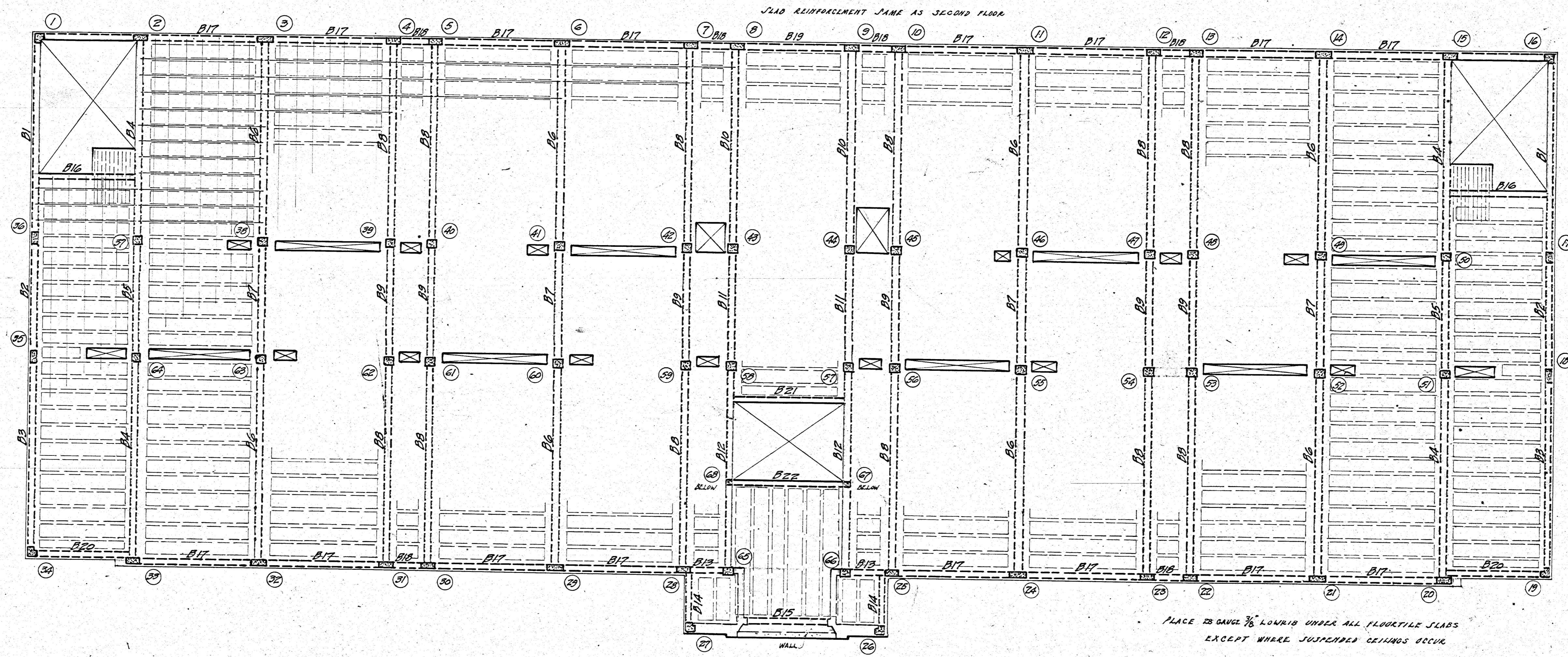
SCALE 1/8" = 1 FOOT  
APRIL 1923



PLANS OF A SCHOOL BUILDING  
ON CENTRE ST. FOR  
BOARD OF EDUCATION AT OSWEGO



H. C. ARCHER  
H. A. ARCHER



— FIRST FLOOR FRAMING PLAN —

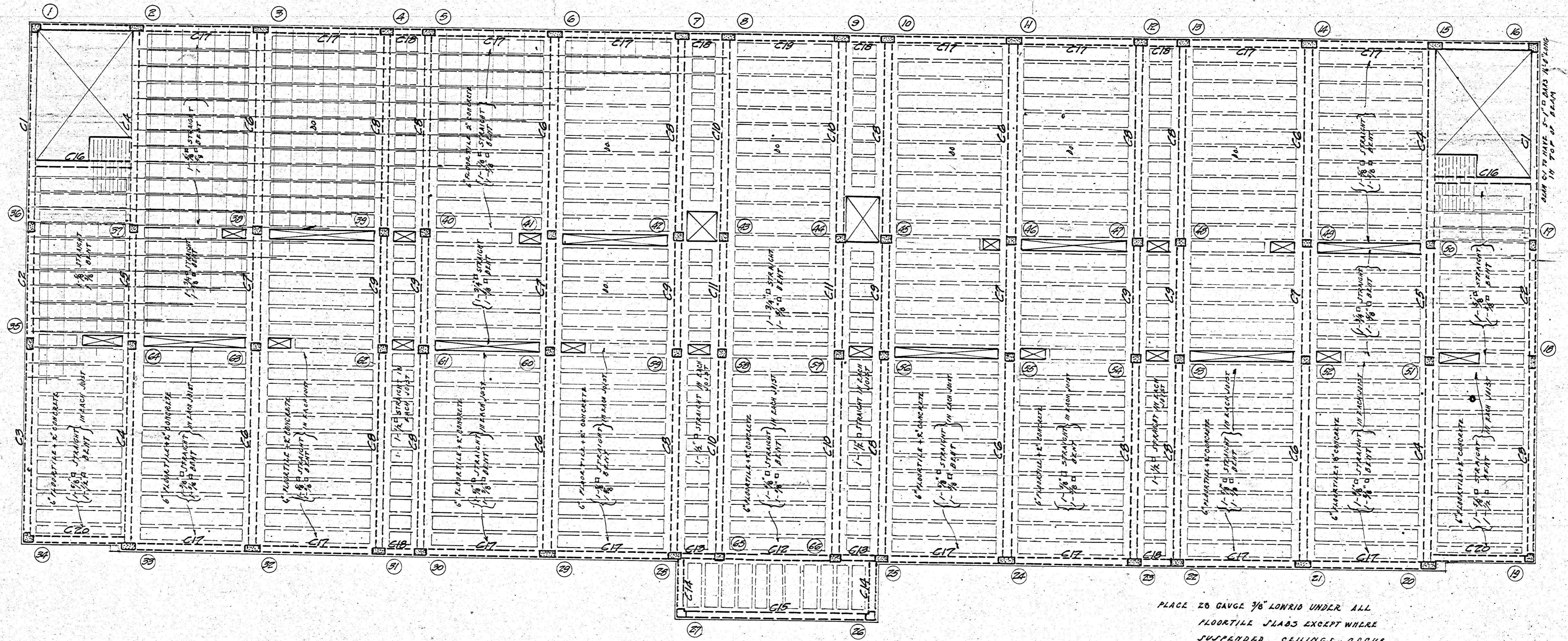
PLACE 25 GAUGE 3/8" LUMBER UNDER ALL FLOOR TILE SLABS EXCEPT WHERE SUSPENDED CEILING OCCUR.  
SEE SECOND FLOOR SHEET FOR BALANCE OF NOTES

SCALE - 1/8" IN = 1 FOOT  
APRIL 1923

PLANS OF REINFORCED CONCRETE  
FOR SCHOOL ON CENTER STREET  
OSHAWA ONT.

HUTTON AND MOUTER  
ARCHITECTS AND ENGINEERS  
HAMILTON ONTARIO

SHEET NO.



— SECOND FLOOR FRAMING PLAN —

PLACE 20 GAUGE 7/8" LONRIG UNDER ALL FLOOR TILE SLABS EXCEPT WHERE SUSPENDED CEILINGS OCCUR.

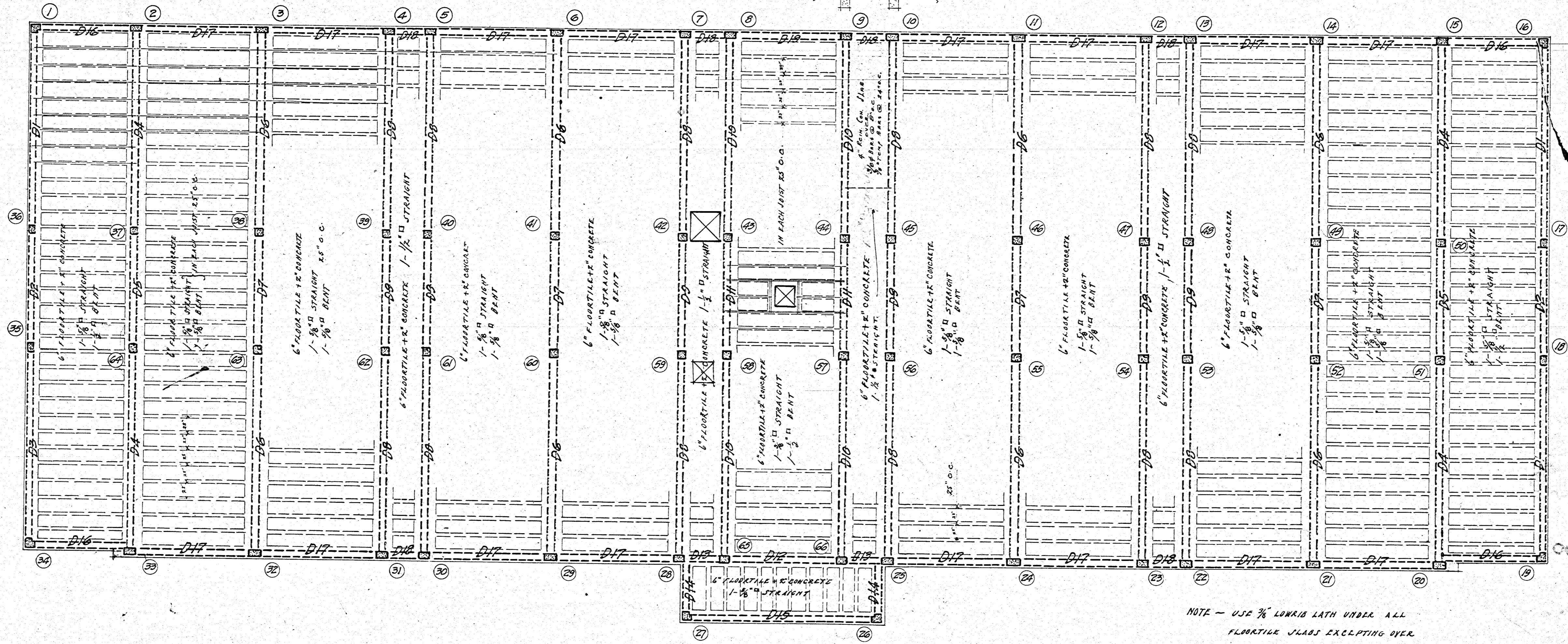
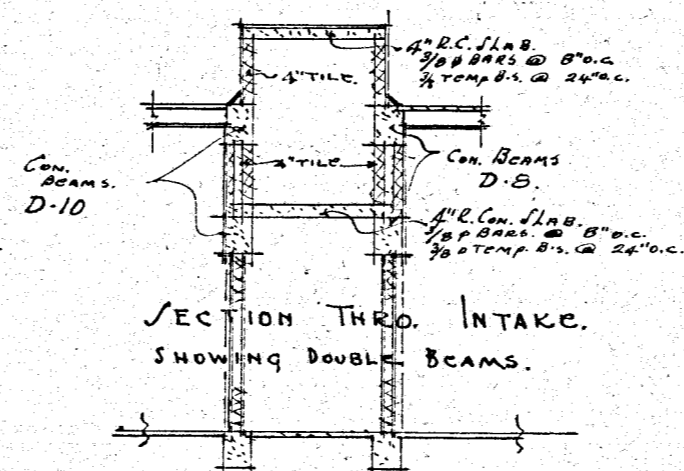
PLACE 3/8" ROUND RODS 24" ON CENTERS IN TOP OF ALL FLOOR TILE SLABS AT RIGHT ANGLES TO THE JOISTS.

ALL JOISTS TO BE 4" WIDE UNLESS OTHERWISE SPECIFIED.

ALL JOISTS UNDER PARTITIONS AT SIDES OF CORRIDORS TO BE 6" WIDE.

SCALE: 1/8" IN = 1 FOOT  
 APRIL 1923

CENTER ST SCHOOL OSHAWA  
 HUTTON AND SOUTER ARCHITECTS AND ENGINEERS  
 SHEET NO. 2



ROOF FRAMING PLAN

NOTE - USE  $\frac{3}{8}$ " LONG LATH UNDER ALL FLOOR TILE JOISTS EXCEPTING OVER CORRIDOR WHERE SUSPENDED CEILINGS OCCUR.

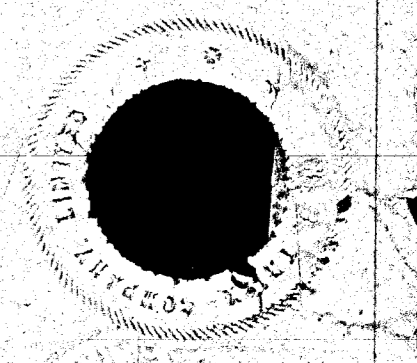
PLACE  $\frac{3}{8}$ " ROUND TEMPERATURE RODS 24" ON CENTERS AT RIGHT ANGLES TO JOISTS.

SCALE -  $\frac{1}{8}$ " IN = 1 FOOT

APRIL 1923

CENTER ST SCHOOL OSHA

HUTTON AND SOUTER ARCHITECTS ENGINEERS SHEET NO. 3



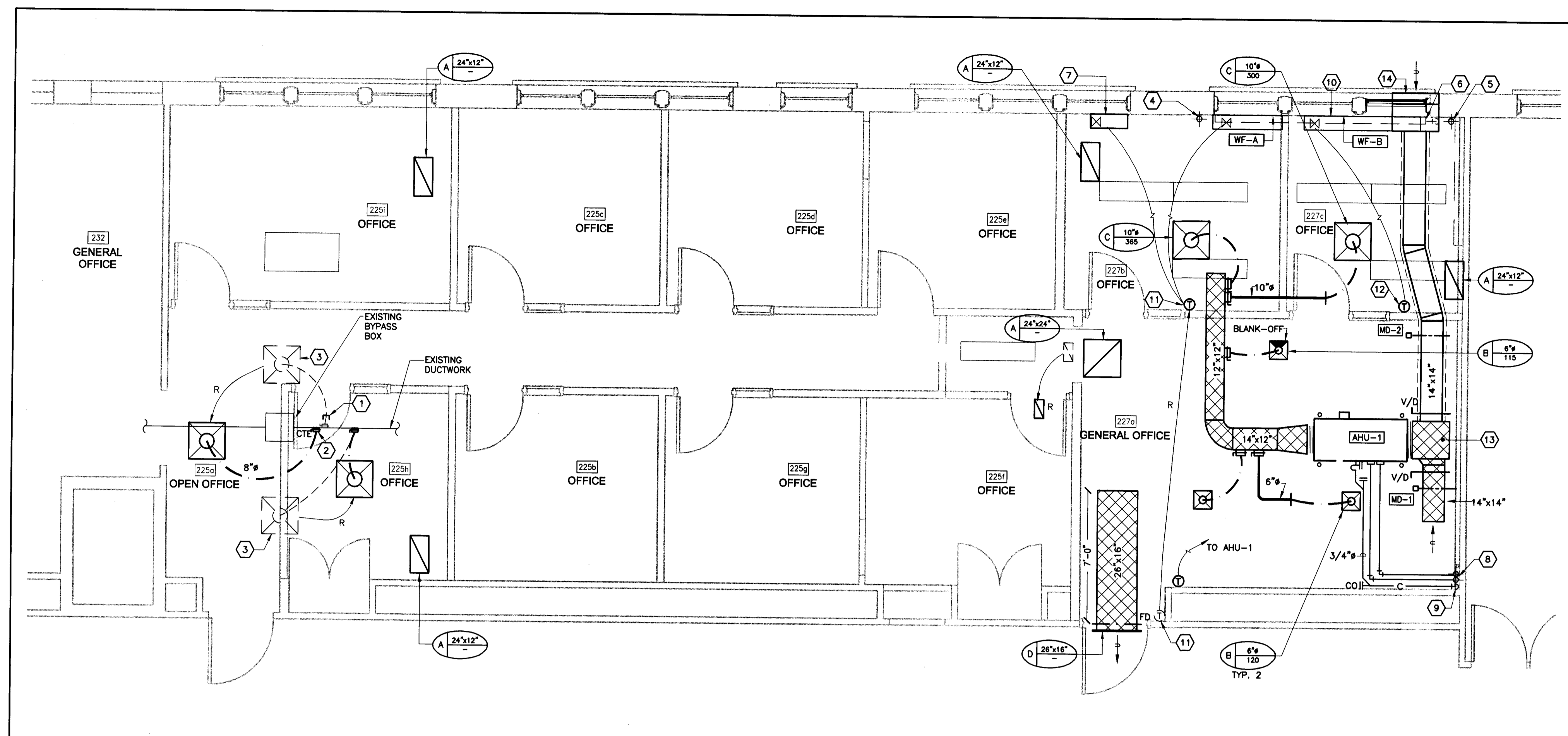
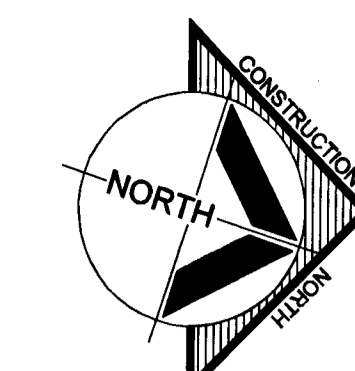
COLUMN SCHEDULE

COLUMN MARK	NO.	SUPPORTING ROOF	SUPPORTING 2 <sup>ND</sup> FLOOR	SUPPORTING 1 <sup>ST</sup> FLOOR	SUPPORTING GROUND FLOOR	FOOTING & CAP
1.	1.	10' x 10" 8-#8 BARS 12" O.C.	14' x 10" 8-#8 BARS 12" STAYS @ 12"	14' x 10" 8-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 8-#8 BARS 12" STAYS @ 12" O.C.	4'-6" x 4'-6" x 1'-0" 10-#8 BARS 8-#8 DONUTS-3'-0"
2.	1.	10' x 14" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 16" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 24" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 22" 4-#8 BARS 12" STAYS @ 12" O.C.	5'-3" x 5'-5" x 1'-5" 14-#8 BARS 4-#8 DONUTS-3'-0"
3, 6.	2.	10' x 14" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 16" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 24" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 24" 4-#8 BARS 12" STAYS @ 12" O.C.	6'-0" x 6'-0" x 1'-0" 10-#8 BARS 4-#8 DONUTS-3'-0"
4, 5, 7, 8, 9, 10.	6.	10' x 14" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 16" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 24" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 20" 4-#8 BARS 12" STAYS @ 12" O.C.	5'-3" x 5'-5" x 1'-5" 14-#8 BARS 4-#8 DONUTS 3'-0"
11, 14, 21, 24, 29, 32.	6.	10' x 14" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 16" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 24" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 20" 4-#8 BARS 12" STAYS @ 12" O.C.	5'-3" x 5'-5" x 1'-5" 12-#8 BARS
12, 13, 22, 23, 30, 31.	6.	10' x 14" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 16" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 24" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 20" 4-#8 BARS 12" STAYS @ 12" O.C.	4'-6" x 4'-6" x 1'-0" 10-#8 BARS
15, 20, 33.	3.	10' x 14" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 16" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 24" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 20" 4-#8 BARS 12" STAYS @ 12" O.C.	4'-6" x 4'-6" x 1'-0" 10-#8 BARS
16, 19, 34.	3.	10' x 14" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 16" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 24" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 20" 4-#8 BARS 12" STAYS @ 12" O.C.	4'-6" x 4'-6" x 1'-0" 10-#8 BARS
17, 18, 35.	3.	10' x 14" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 16" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 24" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 20" 4-#8 BARS 12" STAYS @ 12" O.C.	4'-6" x 4'-6" x 1'-0" 12-#8 BARS
25, 28.	2.	10' x 14" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 16" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 24" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 20" 4-#8 BARS 12" STAYS @ 12" O.C.	4'-6" x 4'-6" x 1'-0" 12-#8 BARS
26, 27.	2.	10' x 14" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 16" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 24" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 20" 4-#8 BARS 12" STAYS @ 12" O.C.	5'-6" x 5'-6" x 1'-0" 8-#8 BARS
36.	1.	10' x 14" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 16" 4-#8 BARS 12" STAYS @ 12" O.C.	10' x 24" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 22" 4-#8 BARS 12" STAYS @ 12" O.C.	4'-9" x 4'-9" x 1'-0" 12-#8 BARS 4-#8 DONUTS-3'-0"
37.	1.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	5'-9" x 5'-9" x 1'-5" 14-#8 BARS 4-#8 DONUTS-3'-0"
38, 41.	2.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	6'-3" x 6'-3" x 1'-5" 12-#8 BARS 8-#8 DONUTS 3'-0"
39, 40, 42, 43, 44, 45.	6.	12' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	5'-6" x 5'-6" x 1'-5" 14-#8 BARS 4-#8 DONUTS-3'-0"
46, 49, 52, 55, 60, 63.	6.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	6'-0" x 6'-0" x 1'-4" 18-#8 BARS
50, 51, 64.	3.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	5'-6" x 5'-6" x 1'-5" 14-#8 BARS
47, 48, 53, 54, 56, 57, 58, 59, 61, 62.	10.	12' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	14' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	5'-0" x 5'-0" x 1'-0" 14-#8 BARS
65, 66.	2.	12' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	12' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.	4'-6" x 4'-6" x 1'-0" 10-#8 BARS
67, 68.	2.			12' x 12" 4-#8 BARS 12" STAYS @ 12" O.C.		5'-6" x 5'-6" x 1'-0" 14 CAP REINFORCEMENT

BEAM SCHEDULE

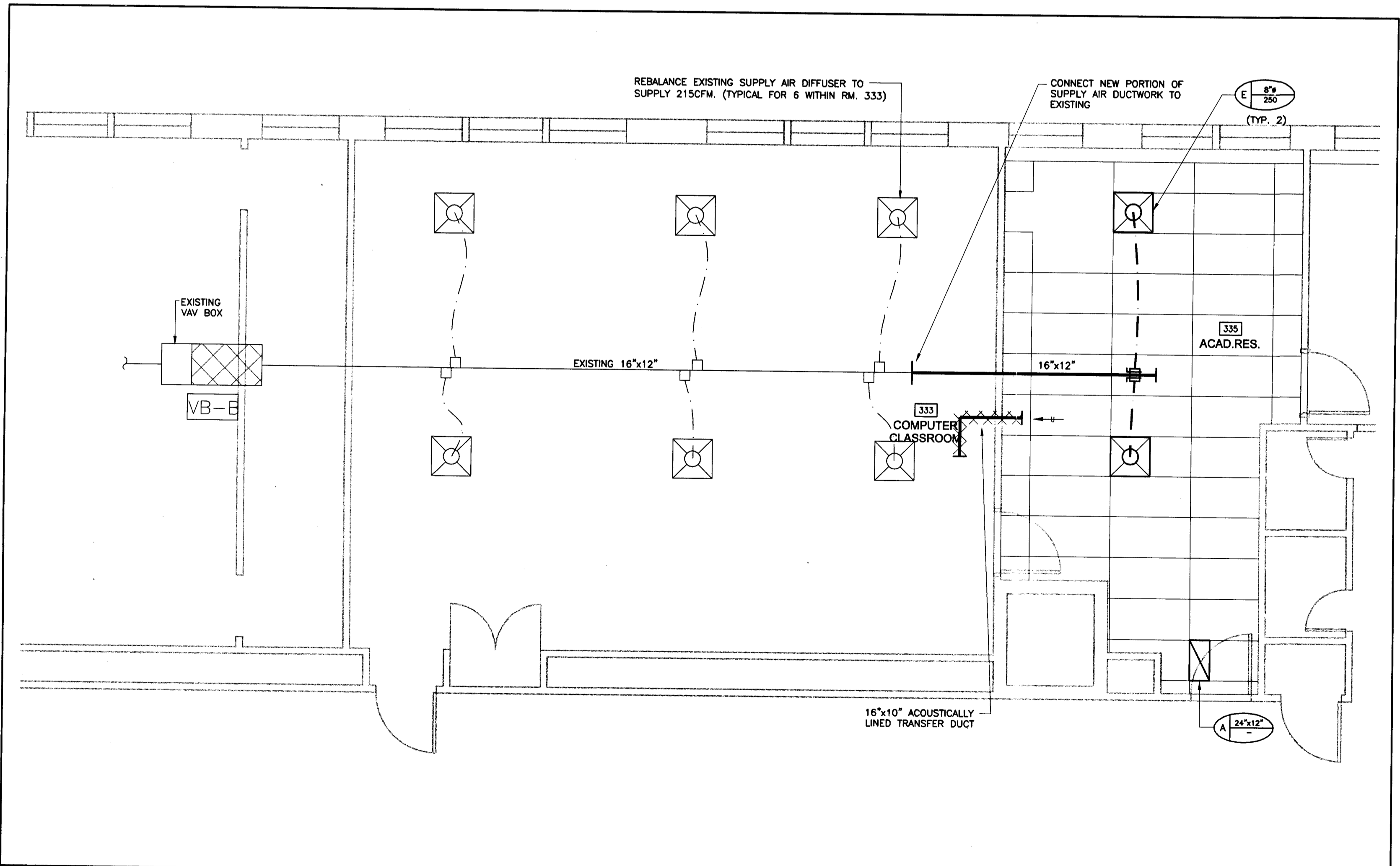
GROUND FLOOR						FIRST FLOOR						SECOND FLOOR					
BEAM MARK	SIZE	NO.	STRAIGHT BAR	BENT BAR	TIE RODS	BEAM MARK	SIZE	NO.	STRAIGHT BAR	BENT BAR	TIE RODS	BEAM MARK	SIZE	NO.	STRAIGHT BAR	BENT BAR	TIE RODS
			NO. SIZE LENGTH	NO. SIZE LENGTH MARK	NO. SIZE LENGTH MARK				NO. SIZE LENGTH	NO. SIZE LENGTH MARK	NO. SIZE LENGTH MARK				NO. SIZE LENGTH	NO. SIZE LENGTH MARK	NO. SIZE LENGTH MARK
A-1	10' x 20"	1	2 1/2"	3 1"	26 3/8"	B-1	10' x 20"	2	3 1"	3 1"	26 3/8"	C-1	10' x 20"	2	3 1"	3 1"	3 1"
A-2	14' x 20"	2	4 1/2"	3 1/2"	26 3/8"	D-2	10' x 20"	2	2 3/8"	1 3/8"		C-2	10' x 20"	2	2 3/8"	3 1"	1 3/8"
A-3	12' x 20"	3	3 1/2"	3 1"	26 3/8"	B-3	10' x 20"	2	3 1"	3 1"	26 3/8"	C-3	10' x 20"	2	3 1"	3 1"	3 1"
A-4	12' x 20"	2	3 1/2"	3 1"	26 3/8"	D-4	10' x 20"	4	3 1/2"	3 1"	36 3/8"	C-4	12' x 20"	4	3 1/2"	3 1"	3 1"
A-5	10' x 16"	1	2 1"	2 3/8"	12 3/8"	B-5	14' x 16"	2	2 3/8"	2 3/8"	22 3/8"	C-5	14' x 16"	2	2 3/8"	2 3/8"	2 3/8"
A-6	10' x 20"	2	2 3/8"	2 3/8"	10 3/8"	B-6	14' x 20"	8	4 1"	3 1"	26 3/8"	C-6	14' x 20"	8	4 1"	3 1"	3 1"
A-7	10' x 20"	1	2 3/8"			B-7	14' x 16"	4	2 1"	2 3/8"	24 3/8"	C-7	14' x 16"	4	2 1"	2 3/8"	2 3/8"
A-8	10' x 20"	1	2 3/8"	2 3/8"	10 3/8"	D-8	12' x 20"	12	3 1"	3 1"	26 3/8"	C-8	12' x 20"	12	3 1"	3 1"	3 1"
A-9	10' x 18"	4	1 1/2"	2 1"	10 3/8"	D-9	12' x 16"	6	1 3/8"	2 3/8"	10 3/8"	C-9	12' x 16"	6	1 3/8"	2 3/8"	2 3/8"
A-10	12' x 10"	1	2 3/8"	2 3/8"		B-10	12' x 20"	2	3 1"	3 1"	26 3/8"	C-10	12' x 20"	4	3 1"	3 1"	3 1"
A-11	8' x 10"	1	2 3/8"	2 3/8"		D-11	12' x 16"	2	1 3/8"	2 3/8"	10 3/8"	C-11	12' x 16"	2	1 3/8"	2 3/8"	2 3/8"
A-12	8' x 16"	1	2 3/8"	2 3/8"		D-12	12' x 20"	2	2 1"	2 3/8"	14 3/8"	C-12	10' x 16"	1	2 3/8"	2 3/8"	2 3/8"
A-13	8' x 10"	2	2 3/8"	2 3/8"		D-13	10' x 16"	2	2 3/8"			C-13	10' x 16"	2	2 3/8"		
A-14	8' x 18"	1	2 3/8"			B-14	10' x 20"	2	2 3/8"	1 1/2"		C-14	10' x 20"	2	2 3/8"	1 1/2"	1 1/2"
A-15	6' x 18"	1	2 3/8"	2 3/8"		D-15	10' x 16"	1	2 3/8"	2 3/8"	12 3/8"	C-15	10' x 20"	1	2 3/8"	2 3/8"	2 3/8"
						B-16	10' x 16"	2	2 3/8"	2 3/8"		C-16	10' x 16"	2	2 3/8"	2 3/8"	2 3/8"
						D-17	10' x 20"	16	2 5/8"	2 1/2"		C-17	10' x 20"	16	2 5/8"	2 3/8"	2 1/2"
						D-18	10' x 20"	6	2 1/2"			C-18	10' x 20"	6	2 1/2"		
						D-19	10' x 20"	1	2 5/8"	2 1/2"		C-19	10' x 20"	1	2 5/8"	2 1/2"	2 1/2"
						B-20	10' x 20"	2	2 3/8"	2 1/2"		C-20	10' x 20"	2	2 3/8"	2 1/2"	2 1/2"
						D-21	10' x 16"	1	2 3/8"	14 3/8"							
						B-22	10' x 18"	1	2 1"	2 1"	18 3/8"						

All footings to have same number and size of bars as columns above. All columns to have bars unless otherwise noted. See page 10 for details.

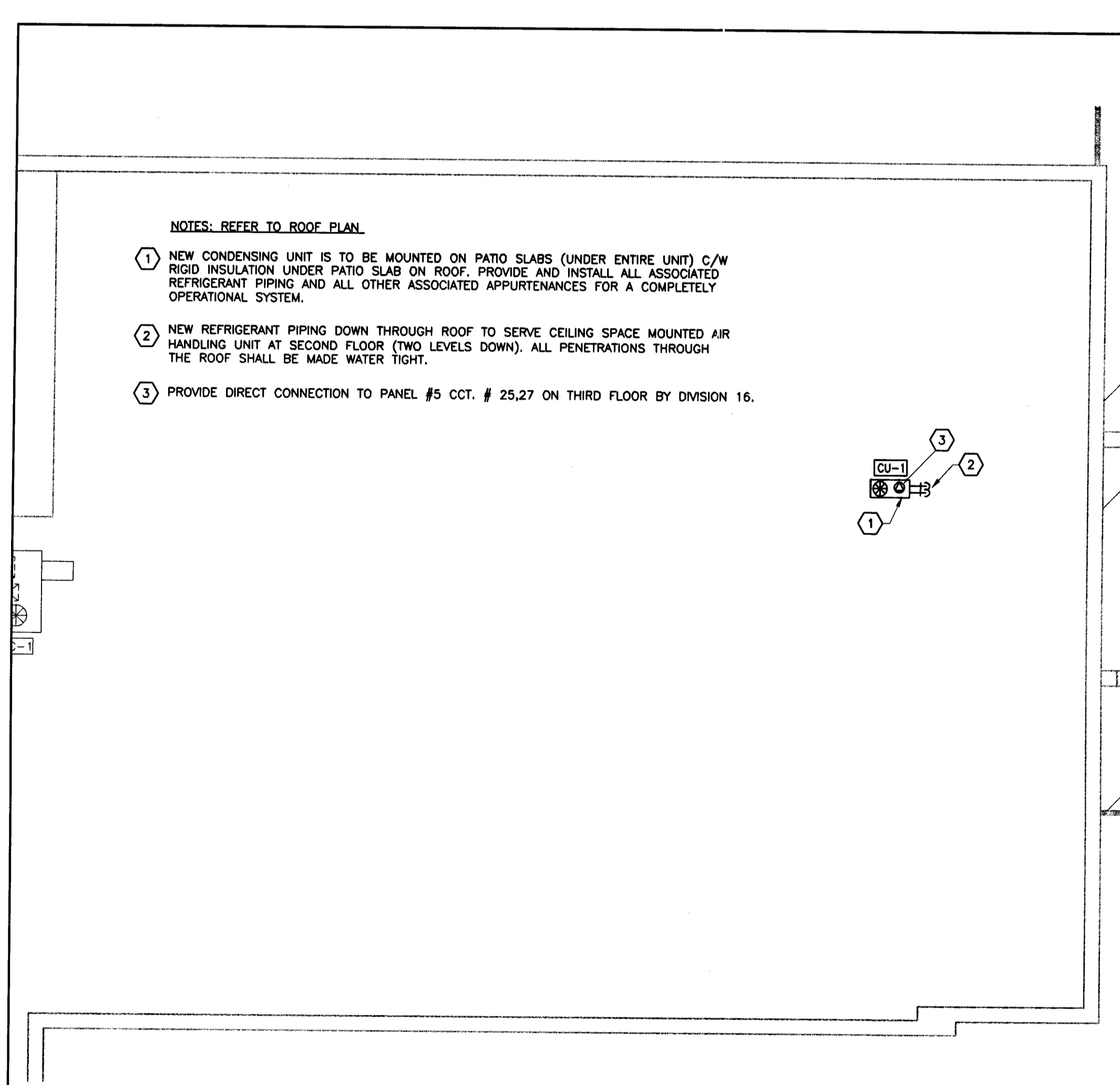


- NOTES: REFER TO FLOOR PLAN
- DISCONNECT, REMOVE AND CAP EXISTING SPIN-ON FITTING AND ASSOCIATED DUCTWORK. RE-USE EXISTING DUCTWORK AS DESIGNATED BY REFERENCE NOTE NO.2.
  - CONNECT SPIN-ON FITTING TO EXISTING DUCTWORK. CONNECT EXISTING FLEXIBLE DUCTWORK TO NEW SPIN-ON FITTING FOR EXISTING RELOCATED SUPPLY AIR DIFFUSER.
  - EXISTING SUPPLY AIR DIFFUSER IS TO BE RELOCATED TO NEW LOCATION AS INDICATED. PROVIDE AND INSTALL ADDITIONAL SUPPORT GRID FOR RELOCATED DIFFUSER AS REQUIRED.
  - EXISTING 1-1/2" STEAM RISER IS TO REMAIN. PROVIDE AND INSTALL 1" THICK INSULATION (TO MATCH EXISTING) FOR UPPER PORTION OF RISER (APPROXIMATELY 5'-0" LONG) PRESENTLY NOT INSULATED.
  - EXISTING 3/4" STEAM RISER IS TO REMAIN. PROVIDE AND INSTALL 1" THICK INSULATION (TO MATCH EXISTING) FOR UPPER PORTION OF RISER (APPROXIMATELY 5'-0" LONG) PRESENTLY NOT INSULATED.
  - DISCONNECT, REMOVE AND DISPOSE OF EXISTING CAST IRON STEAM RADIATOR C/W ASSOCIATED PIPING AND VALVES. PNEUMATIC CONTROL TUBING SHALL BE DISCONNECTED AND REMOVED BY THE DDSB. RETURN CONTROL VALVE TO THE DDSB.
  - EXISTING WALLFIN ELEMENT AND ENCLOSURE IS TO REMAIN.
  - NEW REFRIGERANT PIPING UP THROUGH 3RD FLOOR, AND UP TO CONDENSING UNIT ON ROOF. APPROXIMATE LENGTH OF PIPING IS EQUAL TO 40FT.
  - NEW 3/4" CONDENSATE DRAIN LINE FROM 'AHU-1', DOWN IN FURRED OUT SPACE TO THE FIRST FLOOR CEILING SPACE. ROUTE NEW CONDENSATE DRAIN LINE IN A SOUTHERLY DIRECTION WITHIN THE FIRST FLOOR CEILING SPACE OF CLASSROOM NO. 119, AND DROP DOWN THROUGH THE CEILING TILES ALONG THE EAST WALL OF THE CLASSROOM, DUE SOUTH OF AN EXISTING SINK. ROUTE THE NEW CONDENSATE DRAIN INTO THE CABINETS UNDER THE EXISTING SINK, AND CONNECT THE NEW CONDENSATE LINE INTO THE DRAIN LINE OF THE EXISTING SINK, ON THE INLET SIDE OF THE TRAP. FOR PRICING PURPOSES, ALLOW FOR BOFT. OF 3/4" COPPER PIPING C/W ADEQUATE HANGERS AND 8-45° ELBOWS, AND FOR THE SUPPLY AND INSTALLATION OF A NEW 1-1/2" TRAP ON THE EXISTING DRAIN LINE OF THE EXISTING SINK. TO ACCOMMODATE THE CONNECTION OF THE NEW CONDENSATE DRAIN LINE, ALL HORIZONTAL RUNS OF THE AIR HANDLING UNIT CONDENSATE DRAIN SHALL BE INSULATED.
  - INSTALL NEW WALLFIN RADIATION C/W NEW CONTROL VALVE (AS SUPPLIED BY THE DDSB) AND ASSOCIATED APPURTENANCES AS INDICATED. PROVIDE AND INSTALL NEW 3/4" STEAM AND CONDENSATE PIPING FOR EACH NEW PIECE OF HEATING ELEMENT, CONNECTING TO NEAREST EXISTING SAME PIPING OF EQUAL OR GREATER SIZE, WITHIN CEILING SPACE OF FLOOR BELOW. RE-USE EXISTING PIPING FROM EXISTING, REMOVED CAST IRON RADIATOR WHERE POSSIBLE.
  - EXISTING THERMOSTAT IS TO BE RELOCATED BY THE DDSB TO NEW LOCATION AS INDICATED. EXISTING THERMOSTAT SHALL CONTROL EXISTING AND NEW HEATING ELEMENTS WITHIN NEW OFFICE NO. 227b. THE DDSB SHALL PROVIDE AND INSTALL NEW PNEUMATIC TUBING AND/OR REWORK EXISTING PNEUMATIC TUBING C/W ALL OTHER ASSOCIATED APPURTENANCES AS REQUIRED TO CONTROL THE HEATING ELEMENTS, AND TO SUIT THE NEW LOCATION OF THE EXISTING THERMOSTAT.
  - EXISTING THERMOSTAT C/W ASSOCIATED TUBING AND ALL OTHER ASSOCIATED APPURTENANCES TO OPERATE THE NEW CONTROL VALVE (SUPPLIED BY THE DDSB, INSTALLED BY THE MECHANICAL CONTRACTOR) OF THE NEW RADIATION, SHALL BE PROVIDED AND INSTALLED BY THE DDSB.
  - 28" WIDE x 18" DEEP x 18" LONG ACOUSTICALLY LINED PLENUM.
  - PROVIDE AND INSTALL NEW 2'-6" WIDE x 2'-6" HIGH INTAKE LOUVER WITHIN EXISTING WINDOW C/W 2'-8" WIDE x 2'-0" HIGH x 1'-6" DEEP INSULATED SHEET METAL PLENUM. BOTTOM 6" OF LOUVER SHALL BE BLANKED-OFF WITH INSULATED PANEL. REFER TO ARCHITECTURAL DRAWINGS AND CO-ORDINATE WITH GENERAL CONTRACTOR, FOR EXACT SIZE AND LOCATION OF NEW LOUVER, PRIOR TO ORDERING OF LOUVER. REFER TO DETAIL NO. 3 ON ARCHITECTURAL DWG. A02 FOR DETAILS OF INSTALLATION OF LOUVER AND ASSOCIATED PLENUM.

1 PART SECOND FLOOR PLAN - HVAC LAYOUT  
SCALE: 1/4"=1'-0"



2 PART THIRD FLOOR PLAN - HVAC LAYOUT  
SCALE: 1/4"=1'-0"



3 PART ROOF PLAN - NEW CONDENSING UNIT LAYOUT  
SCALE: 1/8"=1'-0"

- NOTES: REFER TO ROOF PLAN
- NEW CONDENSING UNIT IS TO BE MOUNTED ON PATIO SLABS (UNDER ENTIRE UNIT) C/W RIGID INSULATION UNDER PATIO SLAB ON ROOF. PROVIDE AND INSTALL ALL ASSOCIATED REFRIGERANT PIPING AND ALL OTHER ASSOCIATED APPURTENANCES FOR A COMPLETELY OPERATIONAL SYSTEM.
  - NEW REFRIGERANT PIPING DOWN THROUGH ROOF TO SERVE CEILING SPACE MOUNTED AIR HANDLING UNIT AT SECOND FLOOR (TWO LEVELS DOWN). ALL PENETRATIONS THROUGH THE ROOF SHALL BE MADE WATER TIGHT.
  - PROVIDE DIRECT CONNECTION TO PANEL #5 CCT. # 25,27 ON THIRD FLOOR BY DIVISION 16.

No.	DATE	BY	ISSUES / REVISIONS
1	JAN.13/03	S.W.	ISSUED FOR TENDER

300 Water Street  
Whitby, Ontario  
LIN 9J2  
TEL: 905-668-9383  
FAX: 905-668-0221  
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www.tsh.ca  
Totten Sims Hubicki Associates (1997) Limited

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CLIENT:

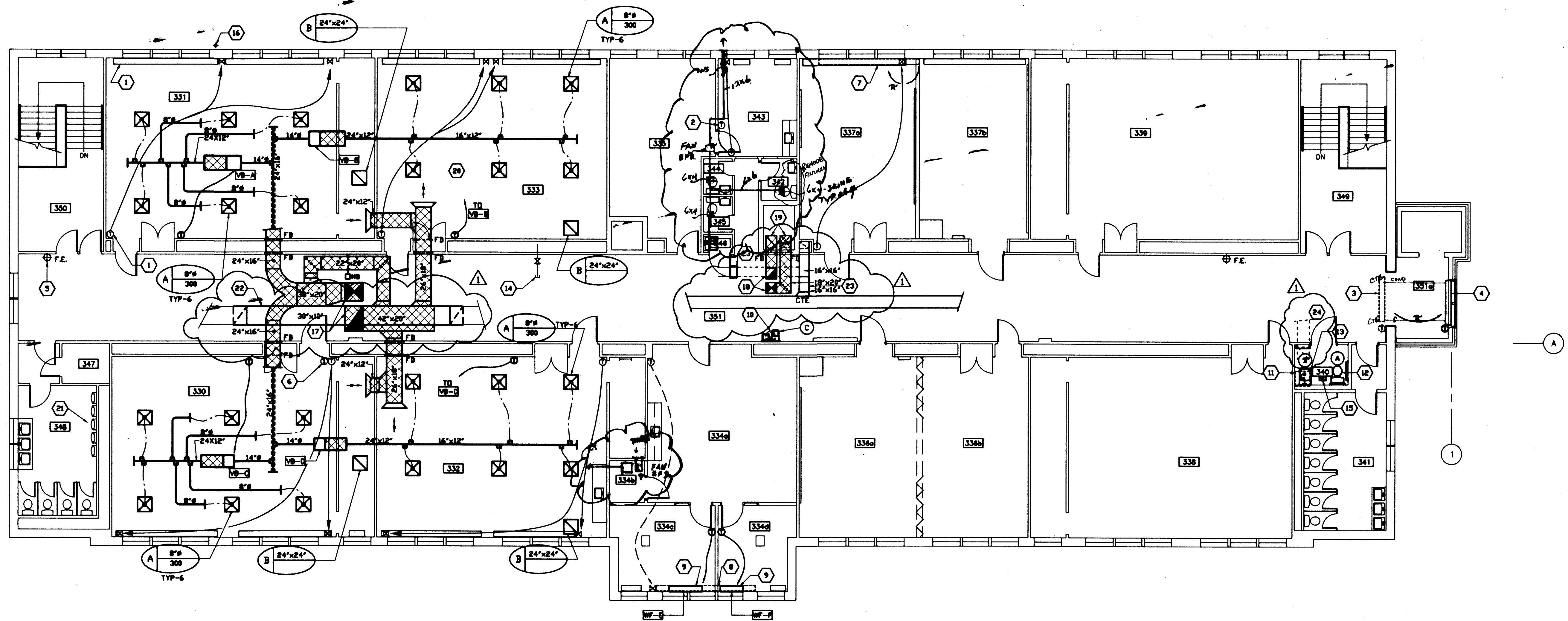
THE DURHAM DISTRICT SCHOOL BOARD

PROJECT:

INTERIOR OFFICE RENOVATIONS TO E.A. LOVELL ADULT EDUCATION CENTRE  
120 CENTRE ST., OSHAWA, ON.

DRAWING: PART FLOOR & ROOF PLAN LAYOUTS HVAC

DRAWN BY:	CHECKED BY:	PROJECT NO.:
N.M. TUTUNEA	S. WONG	22-14151
DESIGNED BY:	APPROVED BY:	DRAWING No.
G. HARRIS	B. KNOLL	M02
SCALE:	DATE:	
AS SHOWN	DEC. 02	



**NOTES: REFER TO FLOOR PLAN**

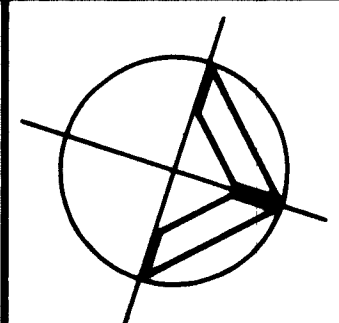
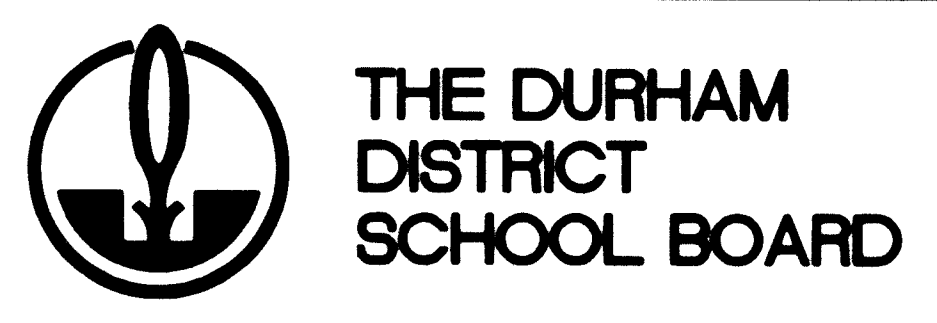
- 1 EXISTING PERIMETER RADIATION c/w ASSOCIATED PIPING, THERMOSTAT, CONTROL VALVE AND ALL OTHER ASSOCIATED APPURTENANCES IS TO REMAIN UNLESS NOTED OTHERWISE (TYPICAL).
- 2 RELOCATE EXISTING THERMOSTAT c/w TUBING AND ALL OTHER ASSOCIATED APPURTENANCES.
- 3 EXISTING WALL/FIN ELEMENT c/w ASSOCIATED THERMOSTAT, ENCLOSURE, VALVES, WALL SUPPORTS, BRACKETS AND ALL OTHER ASSOCIATED APPURTENANCES IS TO BE RELOCATED TO NEW LOCATION AS INDICATED. ASSOCIATED STEAM AND CONDENSATE PIPING IS TO BE OFFSET IN CEILING SPACE OF FLOOR BELOW TO SUIT NEW LOCATION.
- 4 NEW LOCATION OF EXISTING HEATING ELEMENT. MECHANICAL CONTRACTOR IS TO CLEAN & REPAIR ANY DAMAGED PINS, AND ENSURE THERMOSTAT & CONTROL VALVE ARE IN GOOD WORKING ORDER. REPAIR & REPLACE AS NECESSARY, ANY NON-FUNCTIONING COMPONENTS.
- 5 EXISTING FIRE EXTINGUISHER TO REMAIN (TYPICAL).
- 6 EXISTING WALL MOUNTED SENSOR TO REMAIN.
- 7 RELOCATE EXISTING PERIMETER RADIATION c/w ASSOCIATED WOOD ENCLOSURE, VALVES, WALL SUPPORTS, BRACKETS, PNEUMATIC TUBING AND ALL OTHER ASSOCIATED APPURTENANCES AS REQUIRED TO ACCOMMODATE NEW WALL. ASSOCIATED STEAM AND CONDENSATE PIPING IS TO BE OFFSET IN CEILING SPACE OF FLOOR BELOW TO SUIT EXISTING RADIATOR RELOCATION.
- 8 DISCONNECT AND REMOVE EXISTING STEAM RADIATION c/w ASSOCIATED PIPING, VALVES, THERMOSTAT AND ALL OTHER ASSOCIATED APPURTENANCES.
- 9 PROVIDE AND INSTALL NEW WALL/FIN RADIATION AS INDICATED. CONNECT NEW 3/4" STEAM & CONDENSATE PIPING TO NEAREST EXISTING SAME OF EQUAL OR GREATER SIZE IN CEILING SPACE OF FLOOR BELOW.
- 10 DISCONNECT AND REMOVE EXISTING DRINKING FOUNTAIN c/w ASSOCIATED PLUMBING SERVICES. PROVIDE & INSTALL NEW DRINKING FOUNTAIN. CONNECT EXISTING PLUMBING SERVICES TO NEW DRINKING FOUNTAIN. ALTER EXISTING PLUMBING SERVICES AS REQUIRED TO ACCOMMODATE NEW DRINKING FOUNTAIN.
- 11 DISCONNECT AND REMOVE EXISTING MOP SINK c/w ASSOCIATED PLUMBING SERVICES AND ALL OTHER ASSOCIATED APPURTENANCES.
- 12 PROVIDE AND INSTALL FOR NEW WATER CLOSET THE FOLLOWING:  
- 3" SANITARY DRAIN LINE CONNECTING TO NEAREST EXISTING SAME OF EQUAL OR GREATER SIZE WITHIN CEILING SPACE OF FLOOR BELOW.  
- 1 1/2" VENT LINE CONNECTING TO NEAREST EXISTING SAME OF EQUAL OR GREATER SIZE WITHIN CEILING SPACE OF THIS FLOOR.  
- 1/2" VALVED DOW LINE CONNECTING TO EXISTING SAME LOCATED IN EXISTING WASHROOM NO. 341.
- 13 PROVIDE AND INSTALL FOR NEW WALL HUNG BASHIN THE FOLLOWING:  
- 1 1/4" SANITARY DRAIN LINE CONNECTING TO NEAREST EXISTING SAME OF EQUAL OR GREATER SIZE WITHIN CEILING SPACE OF FLOOR BELOW.  
- 1 1/4" VENT LINE CONNECTING TO NEAREST EXISTING SAME OF EQUAL OR GREATER SIZE WITHIN CEILING SPACE OF THIS FLOOR.  
- 1/2" VALVED DOW & DWV CONNECTING TO EXISTING SAME LOCATED IN EXISTING WASHROOM NO. 341 AND/OR FLOOR BELOW.
- 14 EXISTING FIRE HOSE STATION TO REMAIN.
- 15 EXISTING SANITARY EXHAUST SYSTEM TO REMAIN. REMOVE EXISTING GRILLE AS REQUIRED TO ACCOMMODATE REMOVAL OF EXISTING CEILING AND REINSTALL TO SUIT NEW T-BAR CEILING. PROVIDE ADDITIONAL SUPPORT GRID AS REQUIRED. REWORK ASSOCIATED DUCTWORK ACCORDINGLY TO SUIT. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN DRAWING FOR LOCATION OF GRILLE.
- 16 NEW 2" GAS LINE UP & DOWN ALONG OUTSIDE WALL PAINTED GREY. PROVIDE & INSTALL PROPER SUPPORT OF PIPE RISER.
- 17 30"x30" SUPPLY AIR DUCT AND 42"x30" RETURN AIR DUCT UP TO ROOFTOP UNIT [AC-3] ON ROOF.
- 18 20"x20" SUPPLY & RETURN AIR DUCTS UP TO ROOFTOP UNIT [AC-1] ON ROOF. PROVIDE DUCT TRANSITIONING FITTINGS AS REQUIRED TO SUIT OPENING SIZES AT ROOFTOP UNIT.
- 19 18"x20" SUPPLY & RETURN AIR DUCTS DOWN TO SECOND FLOOR. EXACT LOCATION OF DUCT RISERS TO BE CO-ORDINATED ON SITE.  
NOTE: ANY PORTION OF EXISTING DUCTWORK OCCURRING WITHIN SHAFT THAT INTERFERES WITH THE INSTALLATION OF NEW DUCTWORK IS TO BE DISCONNECTED, REMOVED & CAPPED. VERIFY THAT ANY EXISTING DUCTWORK REQUIRED TO BE REMOVED IS NOT SERVING FUNCTIONING SYSTEM PRIOR TO REMOVAL. PROVIDE ALL NECESSARY SCAFFOLDING AND ALL OTHER ASSOCIATED APPURTENANCES AS REQUIRED FOR THE INSTALLATION OF NEW DUCTWORK IN EXISTING SHAFT.
- 20 REFER TO ARCHITECTURAL REFLECTED CEILING PLAN DRAWING FOR EXACT LOCATION OF GRILLES & DIFFUSERS.

- 21 PROVIDE AND INSTALL FOR EXISTING URINALS, NEW ELECTRONIC FLUSHING SYSTEM SUITABLE FOR EXISTING URINAL FLUSH VALVES. REFER TO SPECIFICATIONS FOR DESCRIPTION. MOUNT CONTROL PANEL AT RESTROOM ROOM NO. 347.
- 22 DISCONNECT & REMOVE PORTION OF EXISTING 30"x18" SANITARY EXHAUST DUCTWORK & REPLACE WITH 30"x10" DUCTWORK DROPPED BELOW NEW DUCTWORK FROM "AC-2"
- 23 DISCONNECT, REMOVE & CAP PORTION OF EXISTING 18"x18" SANITARY EXHAUST DUCTWORK & PROVIDE NEW PORTION OF DUCTWORK (18"x18") CONNECTING TO EXISTING 24"x18" SANITARY EXHAUST DUCTWORK
- 24 DISCONNECT, REMOVE & CAP EXISTING DUCT RISER.

**GENERAL NOTES**

- 1.0 CO-ORDINATE LOCATION OF ALL NEW/RELOCATED MECHANICAL SERVICES WITH ALL OTHER SERVICES AND STRUCTURAL MEMBERS PRIOR TO INSTALLATION.
- 2.0 THE CONTRACTOR SHALL VISIT THE SITE AND OBTAIN ALL BASE BUILDING INFORMATION AS TO EXISTING CONDITIONS AFFECTING HIS WORK. BEFORE PROCEEDING WITH ANY WORK OBTAIN ALL APPROVALS AND VERIFY THE LOCATION AND SIZE FOR ALL EXISTING SERVICES. WHERE EXISTING SERVICES TO REMAIN REQUIRE MODIFICATION DUE TO RENOVATION WORK, PROVIDE ADDITIONAL MATERIALS AND FITTINGS, DRILLING, CUTTING, PATCHING, AND SEALING OF WALLS, FLOOR & ROOF AS REQUIRED TO MAINTAIN INTEGRITY OF BUILDING AND SYSTEMS.
- 3.0 ALL NEW PLUMBING SERVICE WORK TO BE INSTALLED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE, PART 7 AND WITH LOCAL AUTHORITIES HAVING JURISDICTION.
- 4.0 ALL EXISTING EQUIPMENT SHOWN OR NOTED AS BEING REMOVED SHALL BE REMOVED WITH ALL REDUNDANT ASSOCIATED ACCESSORIES. ALL REMAINING SERVICES SHALL BE CAPPED OFF BEHIND WALLS, FLOORS OR CEILINGS. ON MASONRY, REMOVE PIPES A MINIMUM 1/2" BEHIND SURFACE. FILL HOLES WITH NON SHRINK GROUT. ALL OTHER SERVICES SHALL BE MADE SUITABLE FOR PAINTING. ALL RESULTING OPENINGS IN ROOF SHALL BE REPAIRED TO MATCH ROOF. DISPOSE OF ALL REDUNDANT MATERIALS.
- 5.0 ALL EXISTING EQUIPMENT AND MATERIALS TO BE DISPOSED OF SHALL BE DONE IN A LAWFUL MANNER.

**totten sims hubicki associates**  
ENGINEERS ARCHITECTS AND PLANNERS



No.	DATE	BY	REVISIONS
1	07/23/99	C.P.	REVISED AS PER CCL NO. 1
2	06/24/99	C.P.	ISSUED FOR TENDER

DESIGNED:	GH
DRAWN:	BG
CHECKED:	GH
APPROVED:	CP
SCALE:	1/8" = 1'-0"

RENOVATIONS TO  
E.A. LOVELL PUBLIC SCHOOL - OSHAWA  
THE DURHAM DISTRICT SCHOOL BOARD

THIRD FLOOR PLAN  
MECHANICAL

DATE: JUNE 24/99  
PROJECT: 22-13855  
DRAWING: M4

# THIRD FLOOR PLAN

E.A. LOVELL ADULT & CONTINUING  
EDUCATION CENTRE - 299

SCALE: N.T.S. 06/OCT/2022

13 641 sq. ft.

