25

addition to and renovation of

LAWRENCE CENTRAL HIGH SCHOOL

for the

METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

INDIANAPOLIS, INDIANA

These drawings are hereby approved and adopted
this 18th day of December, 1989,
by the board of education, the superintendent of schools,
the assistant superintendent for business and operations,
and the director of business
of the metropolitan school district of lawrence township

ADMINISTRATION

Percy Clark, Jr.
Dr. Percy Clark, Jr.
SUPERINTENDENT

Edward M. Williams
Dr. Edward M. Williams
ASSISTANT SUPERINTENDENT
FOR BUSINESS AND OPERATIONS

Pearson L. Miller
Mr. Pearson L. Miller
DIRECTOR OF BUSINESS

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Mrs. Kathryn S. Poole
MEMBER

Approved and adopted this 6th day
of February, 1990, by the Lawrence
Central High School Building Corporation
for the Metropolitan School
District of Lawrence Township,
Indianapolis, Indiana

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Mary Bolles
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Ann Mercho
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CIVIL

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ADDITION TO and RENOVATION OF
LAWRENCE CENTRAL HIGH SCHOOL
for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

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REGISTERED
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STATE OF INDIANA
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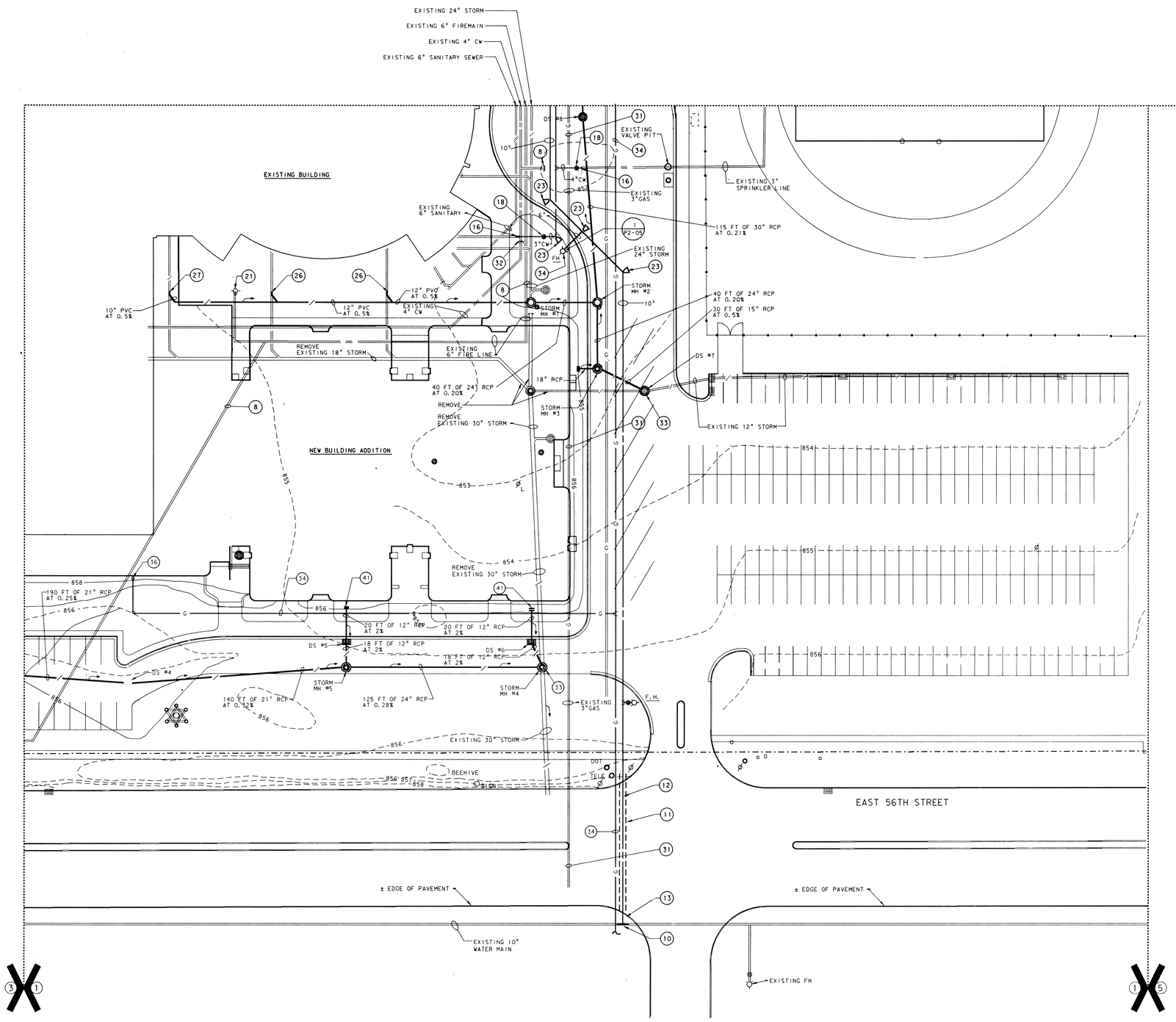
PROJECT
871-110

DATE
DEC. 18, 1989

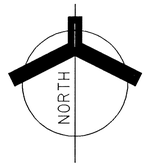
REVISED

NO. A0-2
OF 2



PARTIAL PLUMBING SITE PLAN

SCALE: 1" = 30'



PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. 6" INCOMING FIRE MAIN
3. 6" INCOMING WATER SERVICE
4. EXISTING SANITARY MANHOLE
5. ALL SEWERS LOCATED WITHIN 10' ON EITHER SIDE OF A WATER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT WATER WORKS GRADE CAST IRON PIPE.
6. EXISTING CATCH BASIN SHALL REMAIN.
7. DISCONNECT EXISTING 4" VT DRAIN. PLUG OR CAP END OF PIPE & ABANDON IN PLACE, OUT OF SERVICE.
8. EXISTING UTILITY SHALL REMAIN IN SERVICE UNTIL NEW CONSTRUCTION IS COMPLETE. THEN IT SHALL BE CUT, PLUGGED AND ABANDONNED IN PLACE, OUT OF SERVICE.
9. EXISTING 4" VT DRAIN SHALL BE REMOVED.
10. CONNECT NEW 10" WATER MAIN TO EXISTING WATER MAIN. VERIFY SIZE AND LOCATION.
11. PROVIDE 16" CONDUIT BENEATH 56TH ST.
12. INSTALL 10" WATER MAIN INSIDE OF CONDUIT & CONNECT TO EXISTING 10" WATER MAIN. VERIFY SIZE AND LOCATION.
13. PROVIDE NEW WATER MAIN VALVE & VALVE BOX.
14. CONNECT NEW 6" FIRE MAIN TO EXISTING 8" WATER MAIN. VERIFY SIZE AND LOCATION.
15. SANITARY MANHOLE "A"
16. CONNECT NEW CW MAIN TO EXISTING WATER MAIN AT THIS POINT. VERIFY SIZE AND LOCATION.
17. SANITARY MANHOLE "B"
18. PROVIDE NEW VALVE AND BOX.
19. EXISTING SANITARY MANHOLE. TIE-IN NEW 6" SANITARY AT INV. ELEV. 847.43'.
20. EXISTING SANITARY MANHOLE SHALL REMAIN. TIE-IN NEW 10"SANITARY AT INV. ELEV. 848.36'.
21. EXISTING FIRE HYDRANT & RELATED PIPING SHALL BE DISCONNECTED, REMOVED & STORED ON JOB SITE TO BE REINSTALLED AT NEW LOCATION.
22. EXISTING STORM MANHOLE SHALL REMAIN.
23. PROVIDE THRUST BLOCKS AS REQUIRED. SEE DETAIL SHEET P2-5.
24. THE MECHANICAL CONTRACTOR SHALL INCLUDE ALL COSTS NOT BORNE BY THE CITIZENS GAS UTILITY CO. TO PROVIDE NEW GAS SERVICE.
25. DISCONNECT AND REMOVE EXISTING UNDERGROUND CW LINE.
26. TIE INTO EXISTING 8" STORM WITH NEW 8".
27. TIE INTO EXISTING 10" STORM WITH NEW 10".
28. APPROXIMATE LOCATION OF EXISTING FOOTBALL STADIUM LIGHTS FEEDER. SEE WARNING NOTE THIS SHEET.
29. 4"x 2½" x 2½" POST FIRE DEPARTMENT CONNECTION.
30. CONNECT NEW 10" RCP SANITARY SEWER TO EXISTING SANITARY MANHOLE. SEE NOTE #8.
31. EXISTING PREVIOUSLY ABANDONED 3" GAS LINE. REMOVE AS REQUIRED.
32. DISCONNECT EXISTING 4" CW SERVICE. CAP AND ABANDON IN PLACE.
33. CONSTRUCT NEW STORM MANHOLE OVER EXISTING STORM SEWER.
34. NEW GAS SERVICE BY LOCAL GAS UTILITY CO.
35. MECHANICAL CONTRACTOR SHALL PAY ALL COSTS NOT BORNE BY THE GAS UTILITY TO PROVIDE AND INSTALL NEW GAS SERVICE WITH 5 PSI.
36. GAS METER FOR UNIT "K", SCIENCE AREA WITH 6" W.C. PRESSURE.
37. GAS METER WITH 5 PSI PRESSURE.
38. RESTORE SWALE TO EXISTING CONDITIONS AFTER INSTALLATION OF NEW STORM SEWER.
39. MAINTAIN EXISTING SWALE. PROVIDE A MINIMUM OF ONE FOOT OF COVER OVER PIPE.
40. EXISTING SANITARY SEWER FORCE MAIN. VERIFY LOCATION AND DEPTH.
41. CONNECT NEW 12" STORM TO 10" STORM AT INV. ELEV. 852.83'. SEE SHEET P3-15.
42. CONNECT NEW 6" STORM TO 4" STORM AT INV. ELEV. 855.00'. SEE SHEET P3-1
43. CONNECT NEW 8" STORM TO 8" STORM AT INV. ELEV. 854.81'. SEE SHEET P3-4.
44. CONNECT NEW 8" STORM TO 6" STORM AT INV. ELEV. 854.81'. SEE SHEET P3-4.
45. CONNECT 10" PVC STORM TO EXISTING 21" VCP AT INV. ELEV. 851.25'- FIELD VERIFY.
46. CONNECT 12" PVC STORM TO EXISTING 21" VCP AT INV. ELEV. 850.75'. EXISTING 21" VCP INV. ELEV. 850.60'- FIELD VERIFY.
47. INV. ELEV. 850.35'- FIELD VERIFY.
48. CONNECT 12" PVC STORM TO EXISTING 21" VCP AT EXISTING CATCH BASIN AT INV. ELEV. 850.20'-FIELD VERIFY. REPLACE GRATING WITH SOLID LID AND FRAME.
49. EXACT LOCATION AND ROUTE OF SANITARY SEWER TO LIFT STATION IS UNKNOWN.
50. EXISTING PREVIOUSLY ABANDONED STORM SEWER.
51. EXISTING CATCH BASIN SHALL REMAIN. CONNECT NEW 8"STORM AT NORTH INV. ELEV. 849.75'. CONNECT NEW 10" STORM AT SOUTH INV. ELEV. 849.90'. CONNECT NEW 4" FROM TUNNEL SUMP PUMP AT INV. ELEV. 850.00'.
52. CONNECT UNDERDRAIN TO MANHOLE. UNDERDRAIN INSTALLED BY GENERAL CONTRACTOR.

GENERAL NOTE:

1. ALL CONSTRUCTION SHOWN REFLECTS THE PHASE II (FINAL) CONSTRUCTION. FOR THE PHASE I RIM ELEVATIONS, SEE SCHEDULE ON SHEET P2-5.

2. SEWERS CROSSING POTABLE WATER LINES WITH A VERTICAL SEPARATION OF 1'-6" OR LESS ABOVE OR BELOW THE WATER LINE, AND WHERE SEWERS RUN PARALLEL WITH WATER LINES WITH A HORIZONTAL SEPARATION OF 10 FEET OR LESS, THE SEWER PIPE SHALL BE AWWA C-151 ANSI A21.51 DUCTILE IRON, MECHANICAL JOINT PRESSURE PIPE.

3. SITE UTILITY DATA

DOMESTIC COLD WATER DEMAND	500 GPM
FISTURE UNITS: COLD WATER	3000 F.U.
FIXTURE UNITS: SANITARY	1500 F.U.
SANITARY SEWAGE FLOW	50,000 G.P.D.

4. HYDRANT FLOW TEST DATA

HYDRANT NO. 1

LOCATION:	5640 CAITO DR.
STATIC PRESSURE:	59 PSI
RESIDUAL PRESSURE:	48 PSI
FLOW	1090 GPM

HYDRANT NO. 2

LOCATION:	7333 E. 56TH STREET
STATIC PRESSURE:	58 PSI
RESIDUAL PRESSURE:	40 PSI
FLOW	758 GPM

WARNING

THE LOCATION OF THE EXISTING UNDERGROUND MECHANICAL & ELECTRICAL SERVICE LINES ARE UNKNOWN. THE INFORMATION SHOWN ON THE DRAWINGS IS SPECULATION AND SHALL NOT BE USED BY ANY CONTRACTOR DOING EXCAVATION WORK ON THIS PROJECT WITHOUT FIRST VERIFYING THE EXACT LOCATION.

ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL

for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

MARION COUNTY, INDIANA

EVERETT I. BROWN Company
Architects Engineers
950 NORTH MERIDIAN STREET
INDIANAPOLIS, INDIANA 46204
(317) 237-7000

SCOTT R. BROWN REGISTERED NO. 20912 STATE OF INDIANA PROFESSIONAL ENGINEER

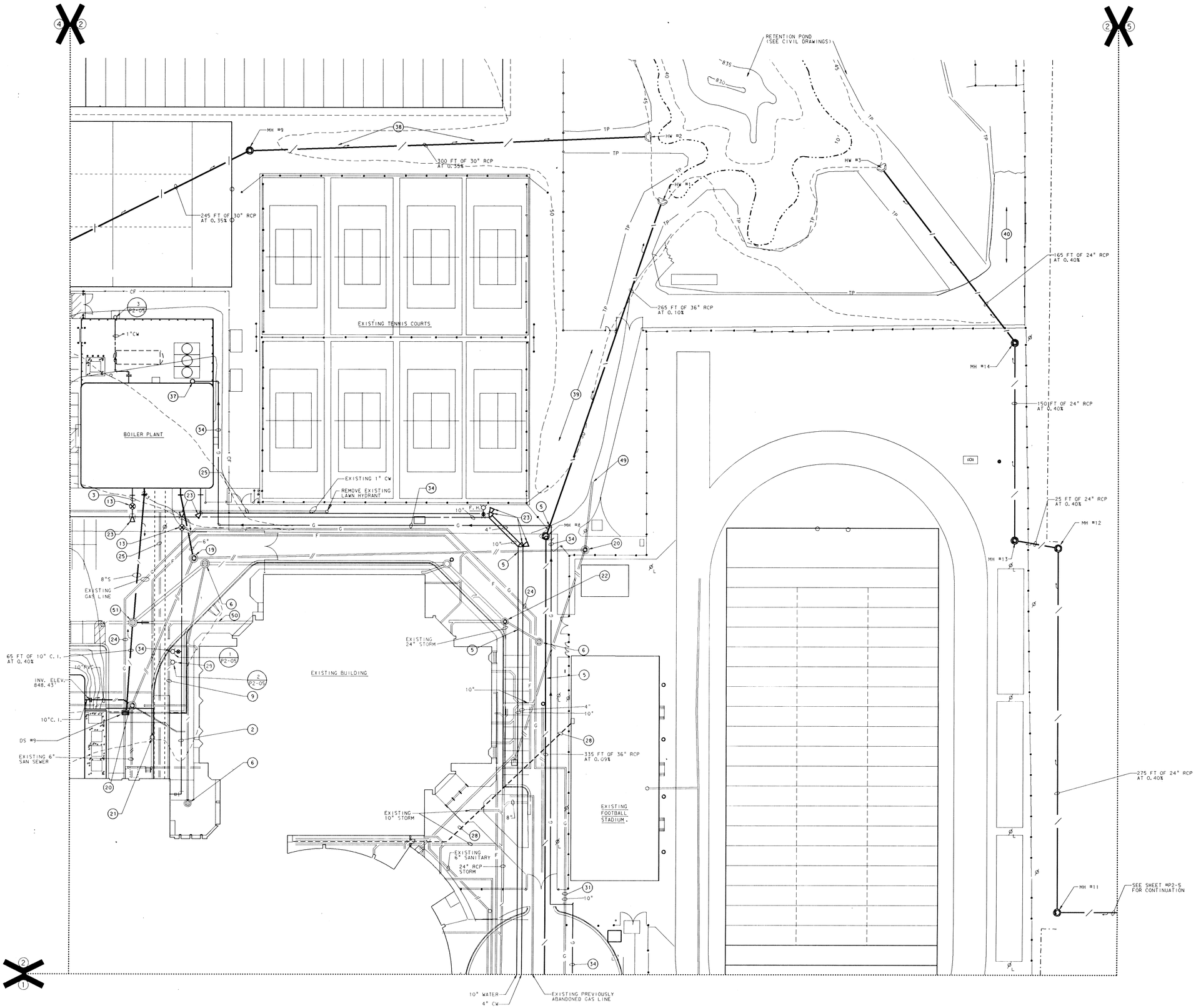
PROJECT 871-110

DATE DEC. 18, 1989

REVISED

NOTES

ALL SITE PLAN NOTES ARE SHOWN ON SHEET #P2-1



PARTIAL PLUMBING SITE PLAN

SCALE: 1" = 30'

NORTH

WARNING

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871-110

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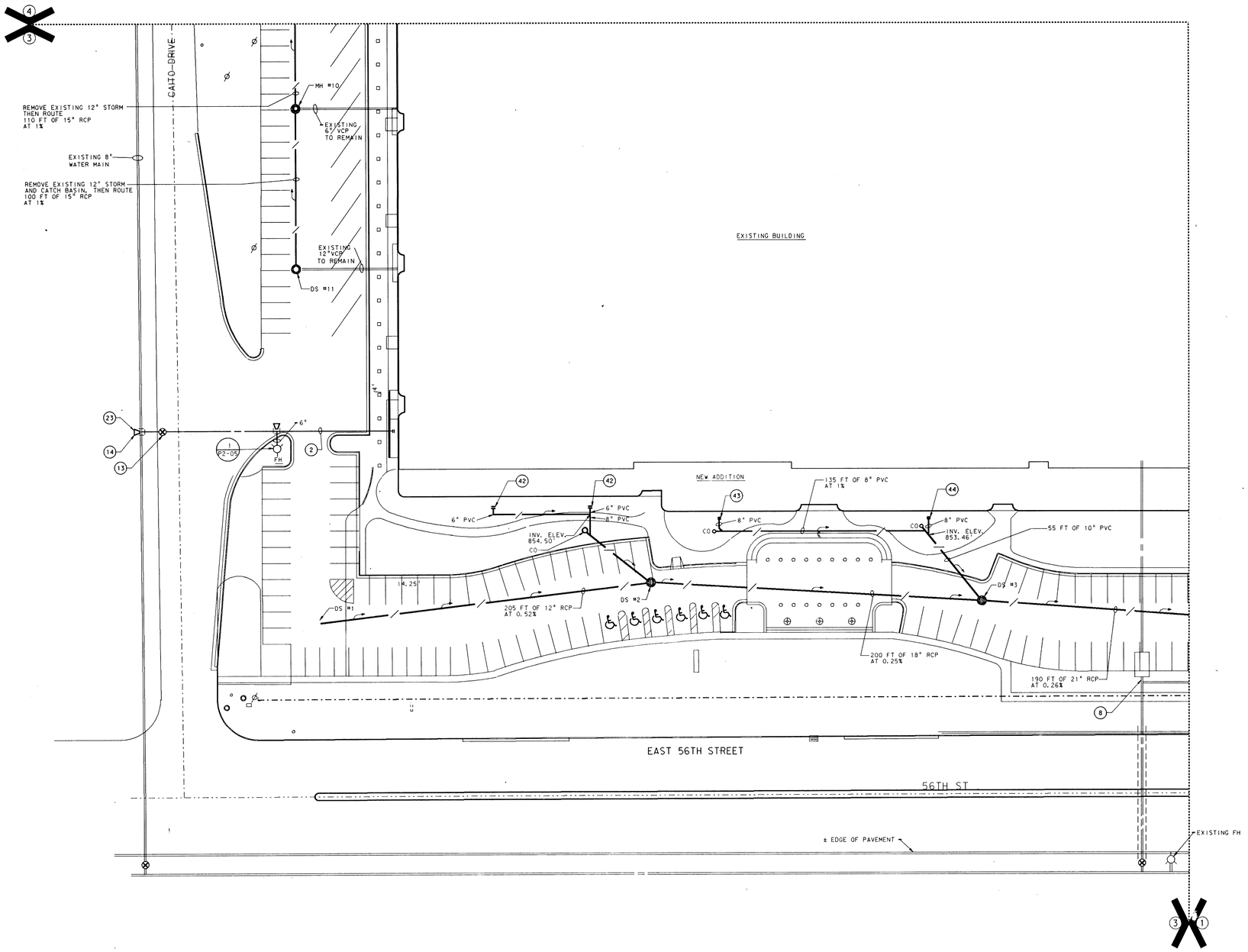
OF 5

NOTES

ALL SITE PLAN NOTES ARE SHOWN ON SHEET #P2-1



PARTIAL PLUMBING SITE PLAN

SCALE: 1" = 30'

NORTH

WARNING

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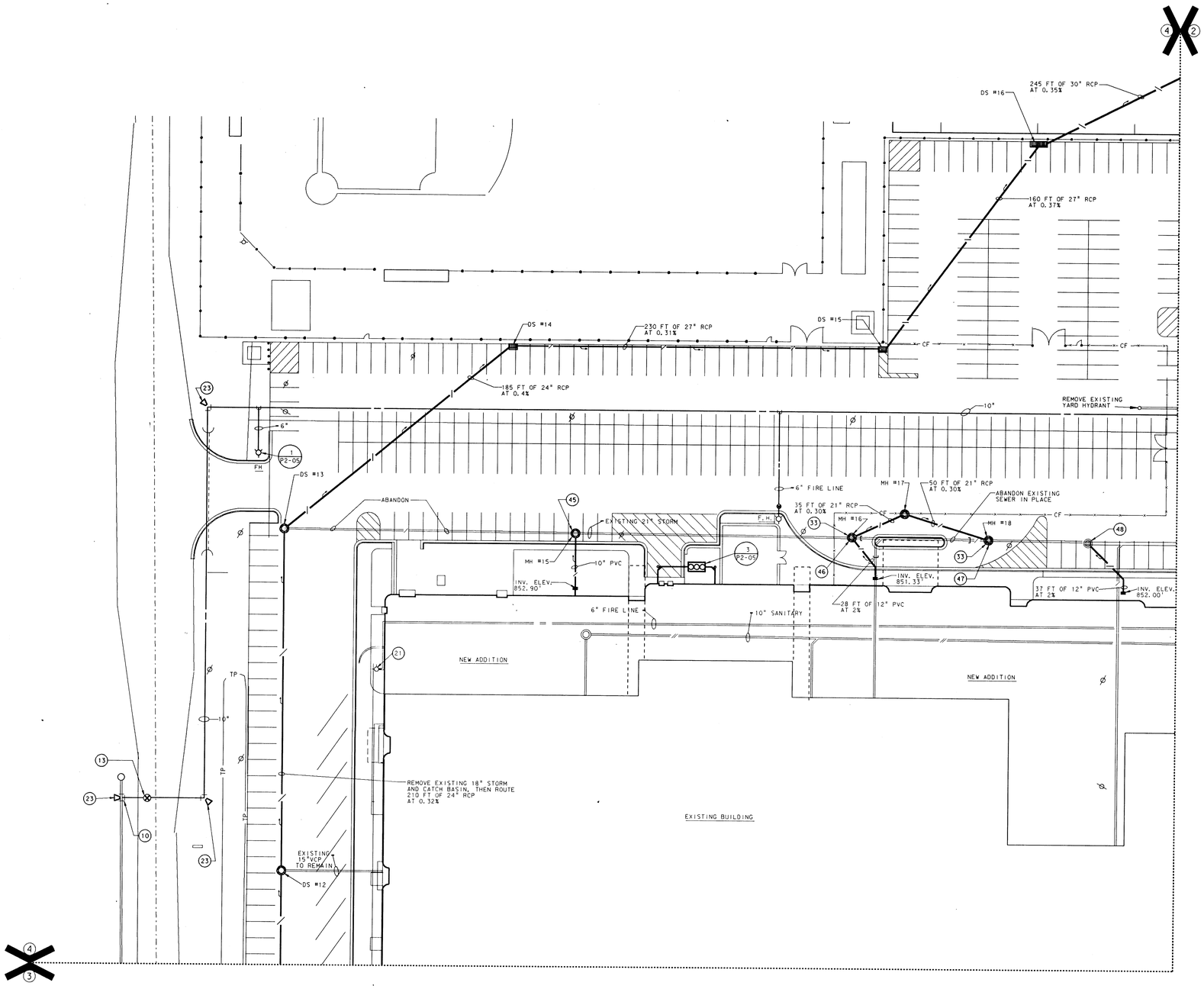
Ref. file: LAWP200.DGN
Levels: 10-15,26,30-39
Cfg. name: P200

NOTES

ALL SITE PLAN NOTES ARE SHOWN ON SHEET #P2-1



PARTIAL PLUMBING SITE PLAN

SCALE: 1" = 30'

NORTH

WARNING

THE LOCATION OF THE EXISTING UNDERGROUND MECHANICAL & ELECTRICAL SERVICE LINES ARE UNKNOWN. THE INFORMATION SHOWN ON THE DRAWINGS IS SPECULATION AND SHALL NOT BE USED BY ANY CONTRACTOR DOING EXCAVATION WORK ON THIS PROJECT WITHOUT FIRST VERIFYING THE EXACT LOCATION.

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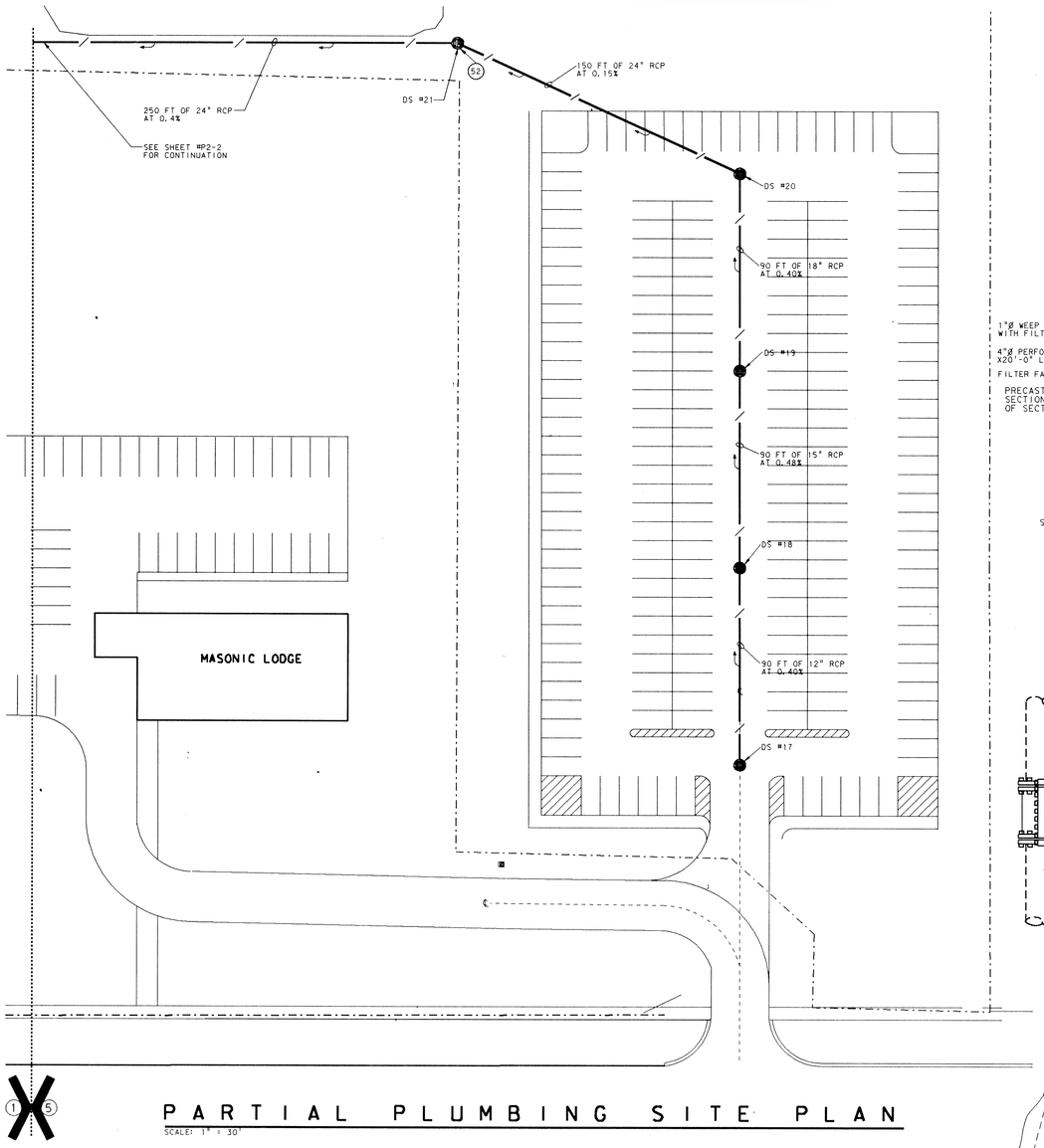


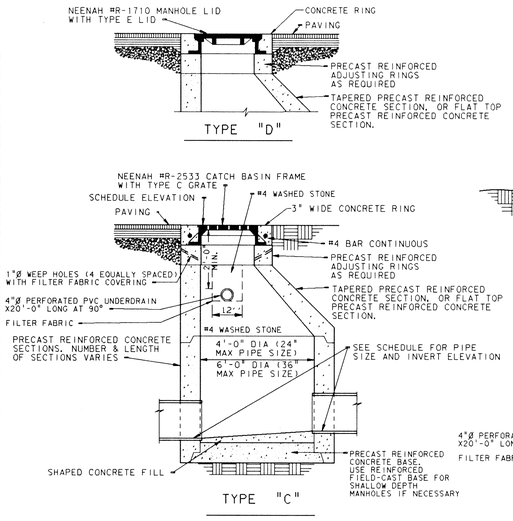
X (1 / 5)

PARTIAL PLUMBING SITE PLAN

SCALE: 1" = 30'

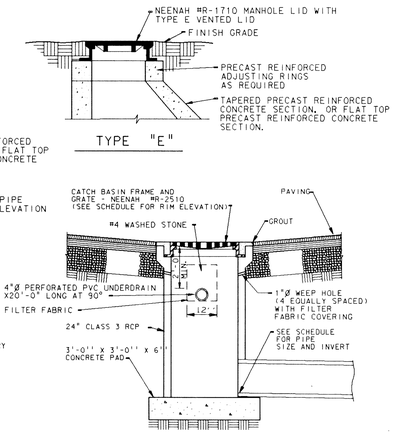
CONCRETE PIPE SCHEDULE

STORM DRAINAGE		
SIZE	SPECIFICATION	CLASS
12" TO 24"	ASTM-C-76	CLASS III
27" TO 54"	ASTM-C-76	CLASS II



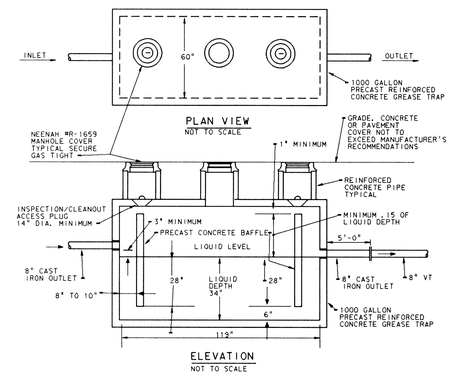
STORM MANHOLE DETAILS

NOT TO SCALE



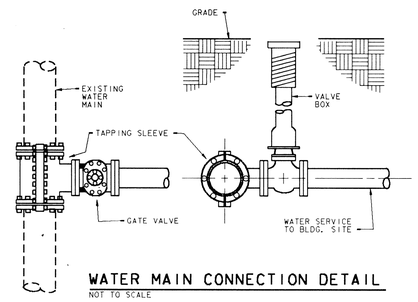
DRAINAGE STRUCTURE - TYPE "F"

NO SCALE



GREASE INTERCEPTOR DETAIL

NO SCALE

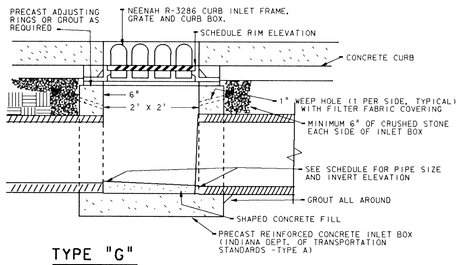


WATER MAIN CONNECTION DETAIL

NOT TO SCALE

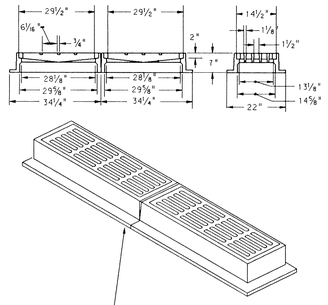
MANHOLE AND DRAINAGE STRUCTURE SCHEDULE

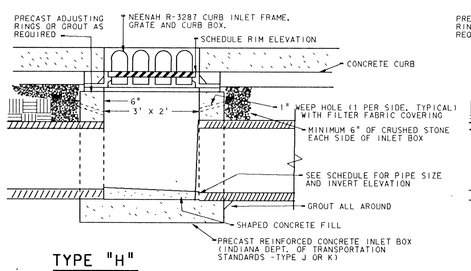
MARK	SERVICE	STRUCTURE	RIM ELEVATION	PIPE SIZE	DIRECTION	PIPE INVERT ELEVATION	REMARKS * = PHASE I RIM ELEVATION
MH-1	STORM	E	855.00'	24" EXIST. 24" 12"	NORTH EAST WEST	848.28' 848.18'	VERIFY
MH-2	STORM	D	853.05'	30" 24" 24"	NORTH SOUTH WEST	847.70' 848.36' 848.10	
MH-3	STORM	D	854.00'	21" 15" 18"	NORTH S. EAST WEST	848.44' 849.04'	
MH-4	STORM	E	854.90'	12" 30" EXIST. 24"	NORTH SOUTH WEST	852.00' 848.15' 849.03'	VERIFY
MH-5	STORM	E	855.00'	12" 24" 21"	NORTH EAST WEST	852.00' 849.38' 849.58'	
MH-6	NOT USED						
MH-7	NOT USED						
MH-8	STORM	E	852.50'	36" 36"	N. EAST SOUTH	846.66' 846.76'	
MH-9	STORM	E	850.10'	30" 30"	S. WEST EAST	844.68' 844.58'	
MH-10	STORM	D	856.10'	15" 15" 6" EXIST.	NORTH SOUTH EAST	851.10' 851.20' 	VERIFY
MH-11	STORM	E	852.10'	24" 24"	EAST NORTH	847.71' 847.61'	
MH-12	STORM	E	851.10'	24" 24"	SOUTH WEST	846.51' 846.41'	
MH-13	STORM	E	851.10'	24" 24"	WEST NORTH	846.30' 846.20'	
MH-14	STORM	E	850.00'	24" 24"	SOUTH N. WEST	845.60' 845.50'	
MH-15	STORM	D	856.63'	10" 21" EXIST.	SOUTH EAST	851.25'	*856.30'
MH-16	STORM	D	856.73'	12" 21" EXIST. 21"	S. EAST WEST N. EAST	850.75' 850.60' 850.60'	*856.40' VERIFY
MH-17	STORM	D	856.63'	21" 21"	S. WEST S. EAST	850.50' 850.48'	*856.30'
MH-18	STORM	D	856.73'	21" 21" EXIST.	N. WEST EAST	850.35' 850.35'	*856.40'
DS-1	STORM	F	855.25'	12"	EAST	852.80'	*854.92'
DS-2	STORM	C	855.60'	18" 12" 8"	EAST WEST N. WEST	851.33' 851.73' 851.83'	*855.27'
DS-3	STORM	C	855.60'	21" 18" 10"	EAST WEST N. WEST	850.63' 850.83' 851.83'	*855.27'
DS-4	STORM	C	855.60'	21" 21"	EAST WEST	850.03' 850.13'	*855.27'
DS-5	STORM	G	854.54'	12" 12"	NORTH SOUTH	852.60' 852.35'	FOR PHASE I, USE NEENAH R-3430
DS-6	STORM	G	854.54'	12" 12"	NORTH SOUTH	852.60' 852.35'	FOR PHASE I, USE NEENAH R-3430
DS-7	STORM	C	853.00'	12" EXIST. 15"	EAST N. WEST	849.49' 849.20'	VERIFY
DS-8	STORM	C	851.50'	36" 30"	NORTH SOUTH	847.06' 847.46'	*851.27'
DS-9	STORM	G	852.10'	10"	NORTH	850.20'	USE NEENAH R-3430 GRATE
DS-10	NOT USED						
DS-11	STORM	F	855.63'	15" 12" EXIST.	NORTH EAST	852.20' 852.37'	*854.87' VERIFY
DS-12	STORM	C	855.63'	24" 15" EXIST. 15"	NORTH EAST SOUTH	849.40' 852.50' 850.00'	VERIFY
DS-13	STORM	C	854.63'	24" 24"	N. EAST SOUTH	848.63' 848.73'	*854.30'
DS-14	STORM	H	854.20'	27" 24"	EAST S. WEST	847.69' 847.89'	*853.87'
DS-15	STORM	H	854.02'	27" 27"	N. EAST WEST	846.33' 846.43'	*853.69'
DS-16	STORM	I	851.59'	30" 27"	N. EAST S. WEST	845.54' 845.74'	*851.26'
DS-17	STORM	F	854.30'	12"	NORTH	851.00'	*854.05'
DS-18	STORM	F	854.06'	15" 12"	NORTH SOUTH	850.44' 850.64'	*853.81'
DS-19	STORM	F	853.82'	18" 15"	NORTH SOUTH	849.80' 850.00'	*853.57'
DS-20	STORM	C	853.58'	24" 18"	N. WEST SOUTH	849.04' 849.44'	*853.33'
DS-21	STORM	E*	853.30'	24" 24"	S. EAST WEST	848.81' 848.71'	* USE NEENAH R-2560-E1 BEEHIVE GRATE & FRAME
HW-1	STORM	J	———	36"	S. WEST	846.40'	
HW-2	STORM	J	———	30"	WEST	843.53'	
HW-3	STORM	J	———	24"	S. EAST	844.84'	



TYPE "G" DRAINAGE STRUCTURE DETAIL

NOT TO SCALE





TYPE "H" DRAINAGE STRUCTURE DETAIL

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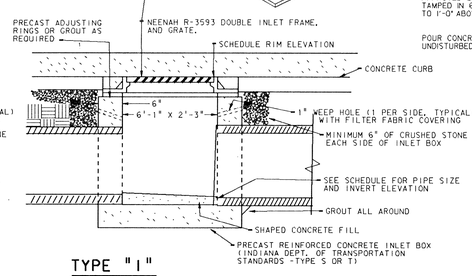

TYPE "I" DRAINAGE STRUCTURE DETAIL

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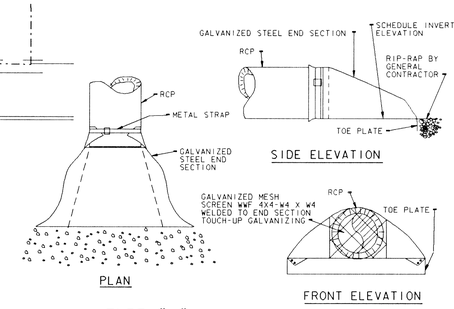

TYPE "J" DRAINAGE STRUCTURE DETAIL

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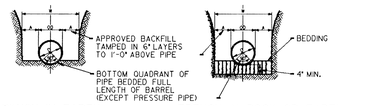
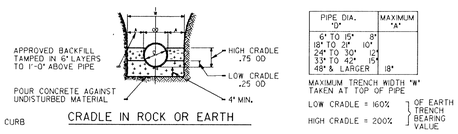


TRENCH IN EARTH — TRENCH IN ROCK OR EARTH



CRADLE IN ROCK OR EARTH

PIPE DIA. "D"	MAXIMUM "A"
6" TO 15"	8"
18" TO 21"	10"
24" TO 30"	12"
33" TO 42"	15"
48" & LARGER	18"

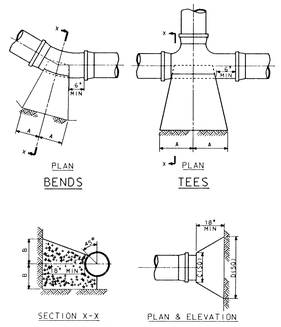
MAXIMUM TRENCH WIDTH "W" TAKEN AT TOP OF PIPE

LOW CRADLE = 160% } OF EARTH TRENCH BEARING VALUE

HIGH CRADLE = 200%

STANDARD PIPE TRENCH BEDDING

NO SCALE



TYPE	SIZE	1/4 BENDS A	1/4 BENDS B	1/8 BENDS A	1/8 BENDS B	1/16 BENDS A	1/16 BENDS B	TEES A	TEES B	PLUGS C	PLUGS D
TYPE I 4000 PSF SOIL	6"	6"	10"	6"	8"	3"	8"	8"	8"	10"	15"
	8"	12"	12"	8"	10"	5"	9"	9"	12"	12"	20"
	6"	16"	10"	9"	10"	6"	8"	10"	12"	10"	21"
TYPE II 2000 PSF SOIL	8"	22"	13"	12"	13"	8"	10"	13"	16"	12"	29"

NOTE:
BASED ON 100 PSI STATIC PRESSURE PLUS AWWA WATER HAMMER

STANDARD THRUST BLOCKS FOR WATER MAINS

NO SCALE

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MARION COUNTY, INDIANA

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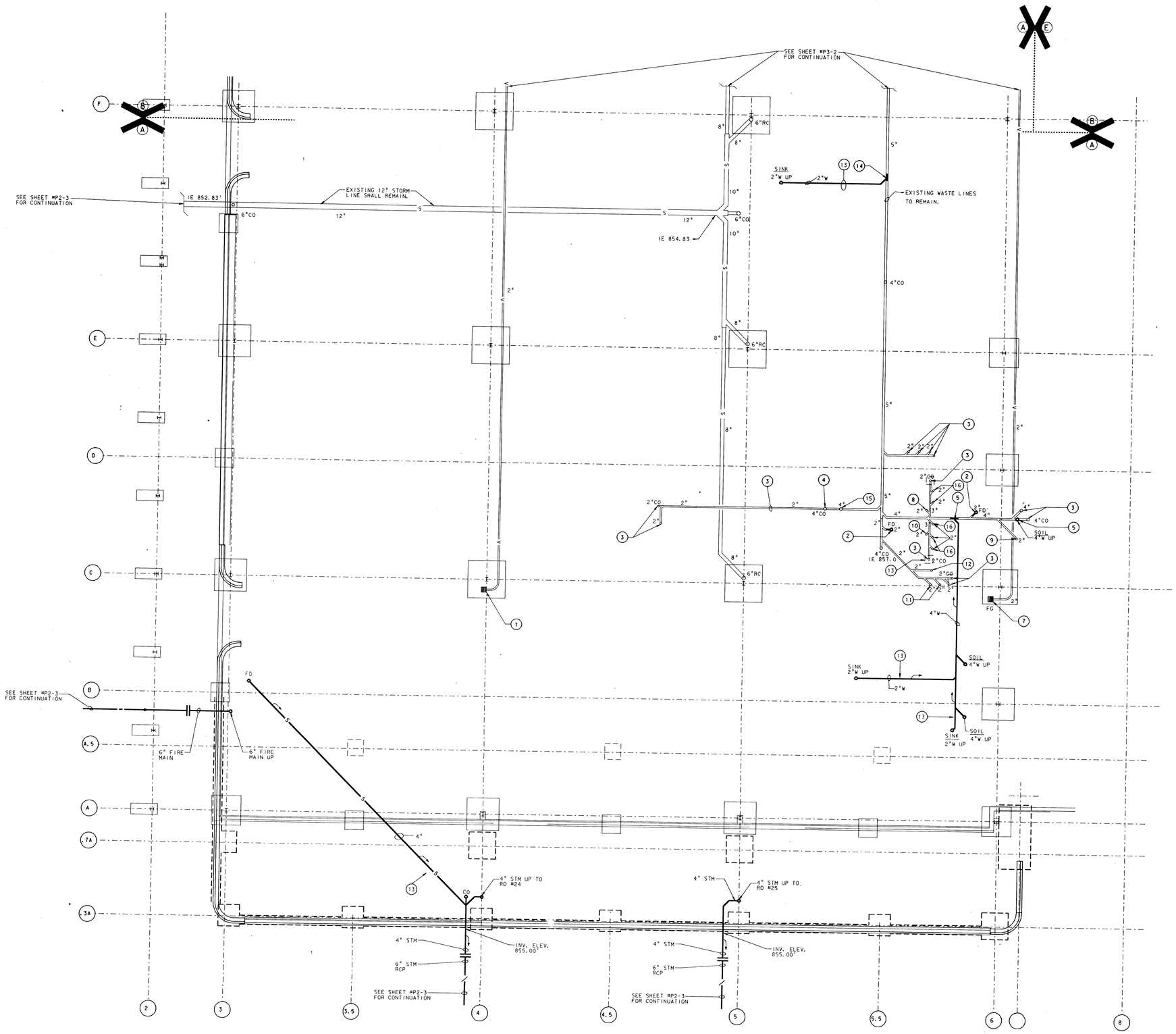
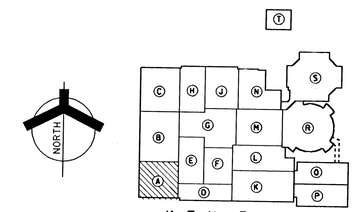


UNIT "A" PLUMBING FOUNDATION PLAN

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

PLAN NOTES

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. CONNECT NEW FLOOR DRAIN TO EXISTING 2" WASTE LINE.
3. DISCONNECT AND REMOVE EXISTING WASTE LINE. CAP OR PLUG BELOW FINISHED FLOOR SURFACES.
4. DISCONNECT AND REMOVE EXISTING CLEANOUT. INSTALL NEW CLEANOUT AS REQUIRED.
5. CONNECT NEW 4" WASTE TO EXISTING 4" WASTE. VERIFY LOCATION.
6. CONNECT NEW 2" WASTE TO EXISTING 4" WASTE. VERIFY LOCATION.
7. DISCONNECT AND REMOVE EXISTING VACUUM FLOOR GRILLE. CAP OR PLUG LINE BELOW FINISHED FLOOR SURFACES.
8. 2"W UP SHALL REMAIN FOR NEW LAVATORY.
9. 2"W UP FOR PENTHOUSE UNIT "D" CONDENSATE DRAINS SHALL REMAIN.
10. 2"W UP FOR LAV DRAINS SHALL REMAIN.
11. 2"W UP FOR ELECTRIC WATER COOLER SHALL REMAIN.
12. 2"W UP FOR EXISTING MOP BASIN SHALL REMAIN.
13. THE MECHANICAL CONTRACTOR SHALL MAKE THE CUT, EXCAVATE, INSTALL NEW SERVICE, INSTALL AN APPROVED BANK RUN GRAVEL BACKFILL TO TOP OF SUBGRADE, AND HAUL AWAY EXCESS MATERIAL. GENERAL CONTRACTOR WILL FURNISH AND INSTALL THE FINAL FINISHED SURFACE.
14. CONNECT NEW 2"W TO EXISTING WASTE LINE. VERIFY SIZE AND LOCATION.
15. EXISTING 4" SOIL UP SHALL REMAIN.
16. 2" WASTE UP TO NEW URINALS.



KEY PLAN
NOT TO SCALE

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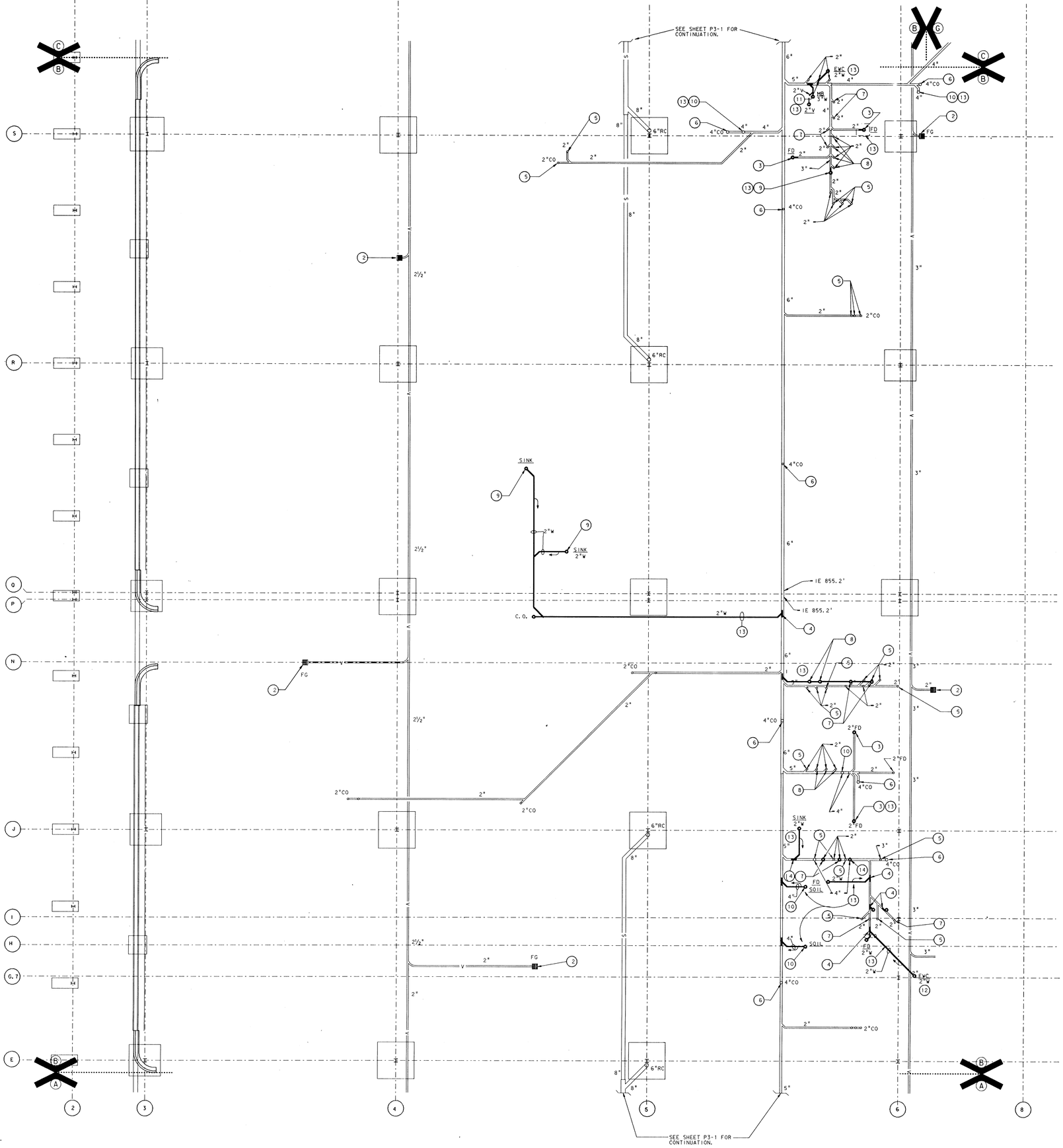
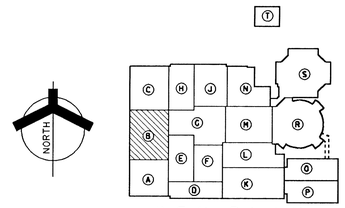
NO. P3-01
OF 17



PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. DISCONNECT AND REMOVE EXISTING FLOOR GRILLE. PLUG AND CAP VACUUM LINE BELOW FINISHED FLOOR SURFACE.
3. CONNECT NEW FLOOR DRAIN TO EXISTING 2" WASTE LINE.
4. CONNECT NEW 2" WASTE LINE TO EXISTING WASTE LINE.
5. DISCONNECT AND CAP EXISTING WASTE LINE AT FLOOR LEVEL.
6. DISCONNECT AND REMOVE EXISTING CLEANOUT INSTALL NEW FLOOR CLEANOUT AS REQ'D.
7. 1 1/2" WASTE UP FOR NEW LAV.
8. 2" WASTE UP FOR NEW URINAL.
9. 2" WASTE UP FOR NEW SINK.
10. 4" WASTE UP FOR NEW WATER CLOSETS.
11. 1 1/2" WASTE UP FOR NEW E.W.C.
12. 2" WASTE UP FOR NEW E.W.C.'S
13. THE MECHANICAL CONTRACTOR SHALL MAKE THE CUT, EXCAVATE, INSTALL NEW SERVICE, INSTALL AN APPROVED BANK RUN GRAVEL BACKFILL TO TOP OF SUBGRADE, AND HAUL AWAY EXCESS MATERIAL. GENERAL CONTRACTOR WILL FURNISH AND INSTALL THE FINAL FINISHED SURFACE.
14. REDUCE THIS LINE TO 3" AND ROUTE UP TO PENTHOUSE #2, UNIT "E" DRAINS. SEE SHEET #P4-25



KEY PLAN
NOT TO SCALE

UNIT "B" PLUMBING FOUNDATION PLAN

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

ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL

for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

EVERETT I. BROWN Company
Architects & Engineers
950 NORTH MERIDIAN STREET
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SCOTT R. BROWN
REGISTERED
NO. 20912
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT
871-110

DATE
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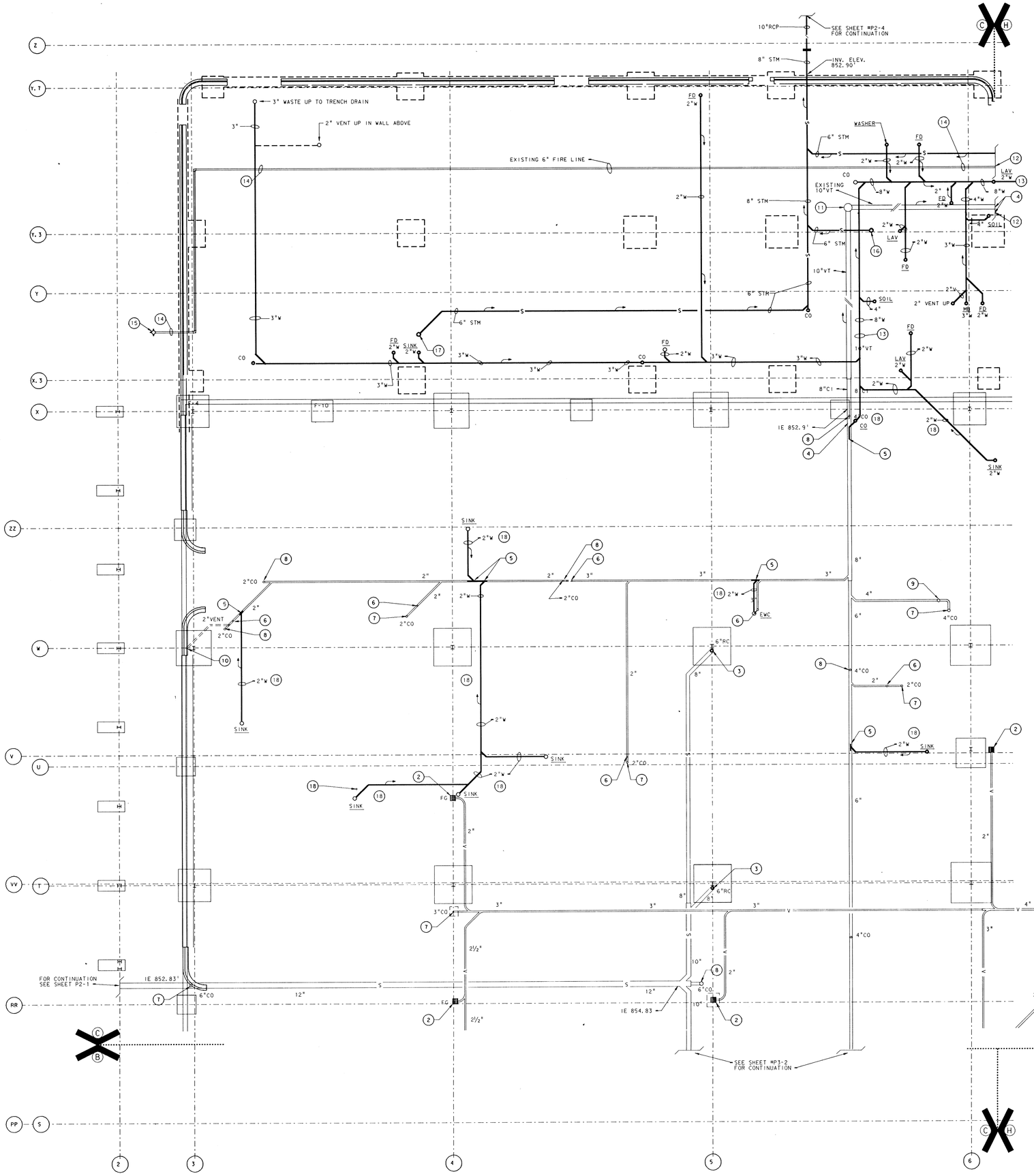
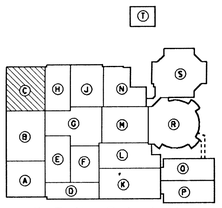


PLAN NOTES

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. DISCONNECT AND REMOVE EXISTING VACUUM FLOOR GRILLE. CAP OR PLUG VACUUM LINE BELOW FINISHED FLOOR SURFACE.
3. EXISTING 6" RC TO REMAIN.
4. EXISTING SANITARY SEWER SHALL REMAIN UNINTERRUPTED IN SERVICE UNTIL NEW CONSTRUCTION IS COMPLETED. THEN IT SHALL BE CUT, PLUGGED & ABANDONED IN PLACE, OUT OF SERVICE. ANY PART OF EXISTING SEWER THAT INTERFERS WITH NEW CONSTRUCTION SHALL BE REMOVED.
5. CONNECT NEW WASTE LINE TO EXISTING. VERIFY SIZE AND LOCATION.
6. DISCONNECT AND REMOVE EXISTING SINK AND ALL RELATED PIPING. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR SURFACE.
7. DISCONNECT AND REMOVE EXISTING FLOOR CLEANOUT. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR SURFACE.
8. EXISTING FLOOR CLEANOUT TO REMAIN.
9. DISCONNECT AND REMOVE EXISTING WATER CLOSETS, CARRIERS, LAV'S, WASTE, VENT AND ALL RELATED PIPING. CAP OR PLUG WASTE LINES BELOW FINISHED FLOOR SURFACE.
10. DISCONNECT AND REMOVE EXISTING VENT PIPING IN WALL & UP THRU ROOF. CAP WASTE LINE BELOW FINISHED FLOOR SURFACE.
11. EXISTING SANITARY MANHOLE. E. INV. 852.50' SHALL BE DISCONNECTED & REMOVED. SEE PLAN NOTE #4.
12. FOR CONTINUATION SEE SHEET #P3-8.
13. SLOPE MAIN C.I. SEWER @ 1/8 " PER FOOT.
14. EXISTING 6" FIRE LINE SHALL REMAIN UNINTERRUPTED IN SERVICE UNTIL NEW CONSTRUCTION IS COMPLETED. THEN IT SHALL BE CUT, PLUGGED, AND ABANDONED IN PLACE OUT OF SERVICE. ANY PORTION OF THIS WATER MAIN THAT INTERFERS WITH NEW CONSTRUCTION SHALL BE REMOVED. VERIFY LOCATION.
15. EXISTING FIRE HYDRANT. SEE SHEET P2-1.
16. 6" STORM UP TO RD #2 & 3.
17. 6" STORM UP TO RD #1
18. THE MECHANICAL CONTRACTOR SHALL MAKE THE CUT, EXCAVATE, INSTALL NEW SERVICE, INSTALL AN APPROVED BANK RUN GRAVEL BACKFILL TO TOP OF SUBGRADE, AND HAUL AWAY EXCESS MATERIAL. GENERAL CONTRACTOR WILL FURNISH AND INSTALL THE FINAL FINISHED SURFACE.



KEY PLAN
NOT TO SCALE

UNIT "C" PLUMBING FOUNDATION PLAN

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

ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL

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MARION COUNTY, INDIANA

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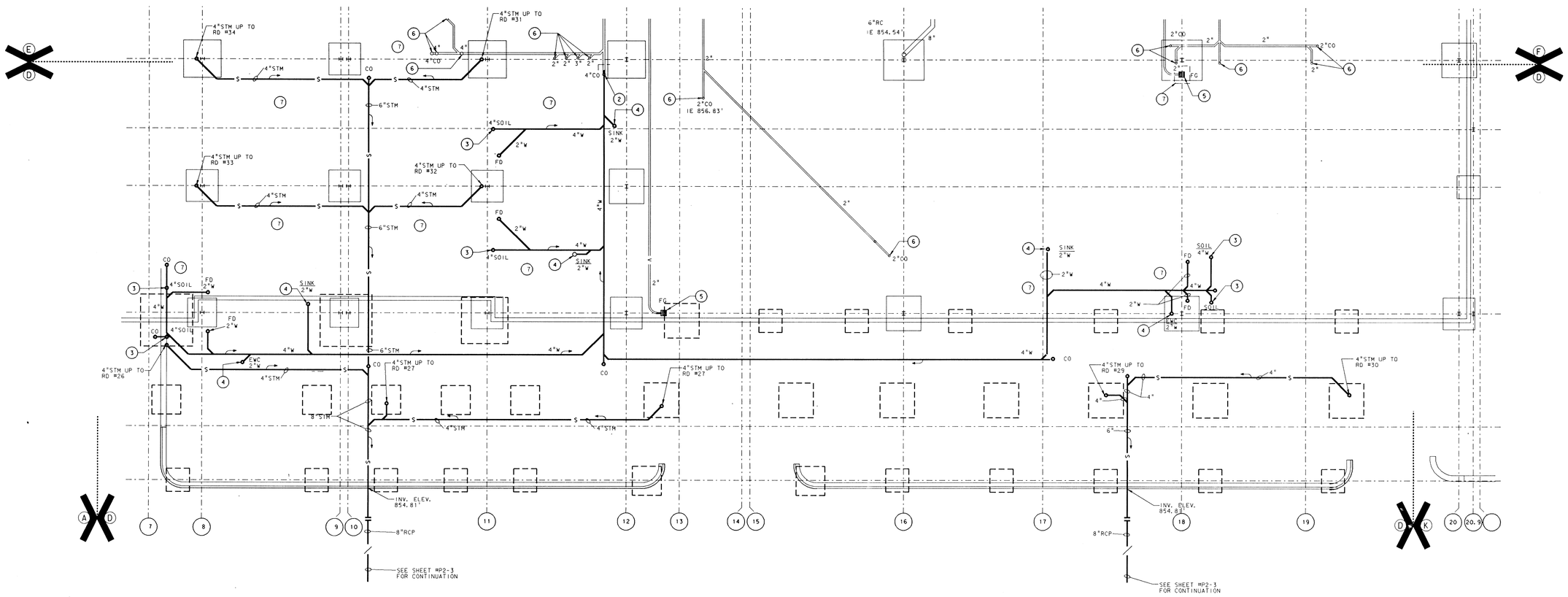
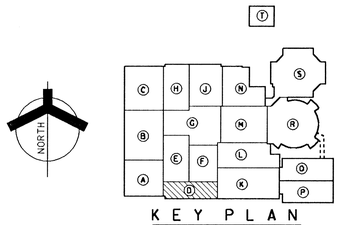
PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULE AND DETAILS.
2. REMOVE EXISTING CLEANOUT. CONNECT NEW 4" W LINE TO EXISTING. VERIFY INV. ELEV. SLOPE ALL WASTE LINES AT 1/8" PER FOOT.
3. 4" SOIL LINE UP.
4. 2" WASTE LINE UP.
5. DISCONNECT AND REMOVE EXISITNG VACUUM FLOOR GRILLE. CAP OR PLUG VACUUM LINE BELOW FINISHED FLOOR SURFACES.
6. DISCONNECT AND REMOVE EXISTING WASTE LINE. CAP OR PLUG BELOW FININSHED FLOOR SURFACES.
7. THE MECHANICAL CONTRACTOR SHALL MAKE THE CUT, EXCAVATE, INSTALL NEW SERVICE, INSTALL AN APPROVED BANK RUN GRAVEL BACKFILL TO TOP OF SUBGRADE, AND HAUL AWAY EXCESS MATERIAL. GENERAL CONTRACTOR WILL FURNISH AND INSTALL THE FINAL FINISHED SURFACE.



UNIT "D" PLUMBING FOUNDATION PLAN

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



KEY PLAN

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for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

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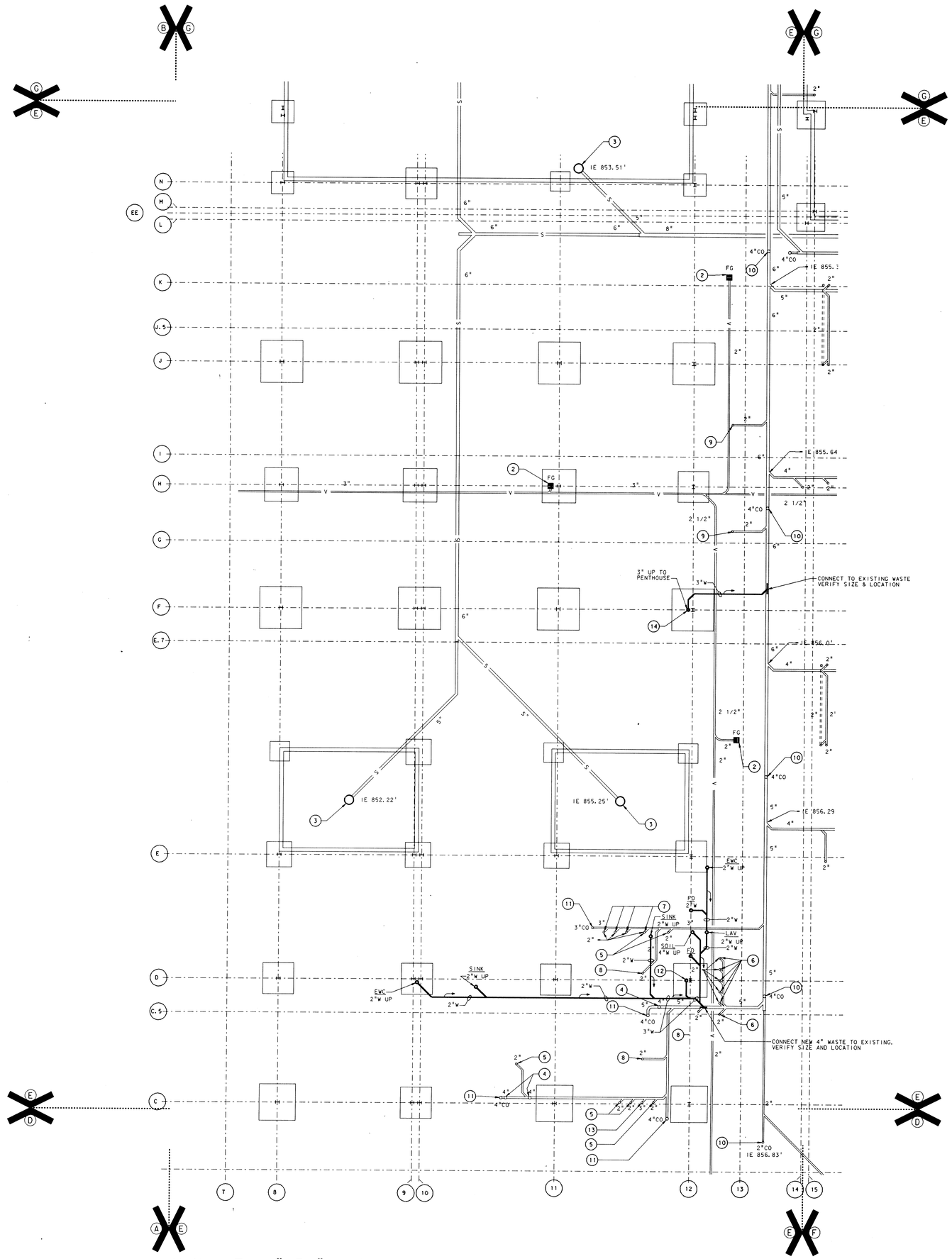
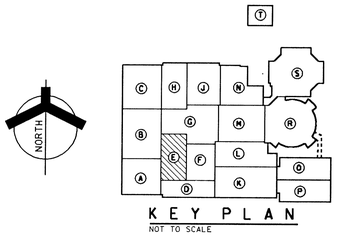


UNIT "E" PLUMBING FOUNDATION PLAN

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

PLAN NOTES

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. DISCONNECT AND REMOVE EXISTING FLOOR VACUUM GRILLE. CAP OR PLUG VACUUM LINE BELOW FINISHED FLOOR SURFACE.
3. DISCONNECT AND REMOVE EXISTING STORM WATER CATCH BASIN. CAP OR PLUG STORM LINE BELOW NEW FLOOR SURFACE & ABANDON IN PLACE OUT OF SERVICE.
4. DISCONNECT AND REMOVE EXISTING WATER CLOSETS, CARRIERS, WASTE & VENT PIPING. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR SURFACE. REMOVE ALL UNUSED PIPING IN WALLS AND ABOVE CEILING.
5. DISCONNECT AND REMOVE EXISTING LAVATORY, CARRIER, WASTE, VENT & ALL RELATED PIPING. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR SURFACE. REMOVE ALL UNUSED PIPING IN WALLS AND ABOVE CEILING.
6. DISCONNECT AND REMOVE EXISTING WATER COOLER, CARRIER, WASTE, VENT & ALL RELATED PIPING. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR SURFACE. REMOVE ALL UNUSED PIPING IN WALLS AND ABOVE CEILING.
7. DISCONNECT AND REMOVE EXISTING URINAL, CARRIER, WASTE, VENT & ALL RELATED PIPING. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR SURFACE. REMOVE ALL UNUSED PIPING IN WALLS AND ABOVE CEILING.
8. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR SURFACE. REMOVE ALL UNUSED PIPING IN WALLS AND ABOVE CEILING.
9. DISCONNECT AND REMOVE EXISTING SINK, CARRIER, WASTE, VENT & ALL RELATED PIPING. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR SURFACE. REMOVE ALL UNUSED PIPING IN WALLS AND ABOVE CEILING.
10. DISCONNECT AND REMOVE EXISTING FLOOR CLEANOUT. INSTALL NEW CLEANOUT AS REQ'D.
11. DISCONNECT AND REMOVE EXISTING FLOOR CLEANOUT. CAP WASTE LINE BELOW FINISHED FLOOR SURFACE.
12. 3" WASTE UP TO PENTHOUSE UNIT "D" FOR CONDENSATE DRAINS. SEE SHEET
13. DISCONNECT AND REMOVE EXISTING PENTHOUSE WASTE LINE UP TO ABOVE CEILING. SEE SHEET
14. 3" WASTE UP TO PENTHOUSE #2 UNIT "E". SEE THIS SHEET FOR LOCATION OF CONDENSATE DRAINS.



KEY PLAN

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for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

MARION COUNTY, INDIANA

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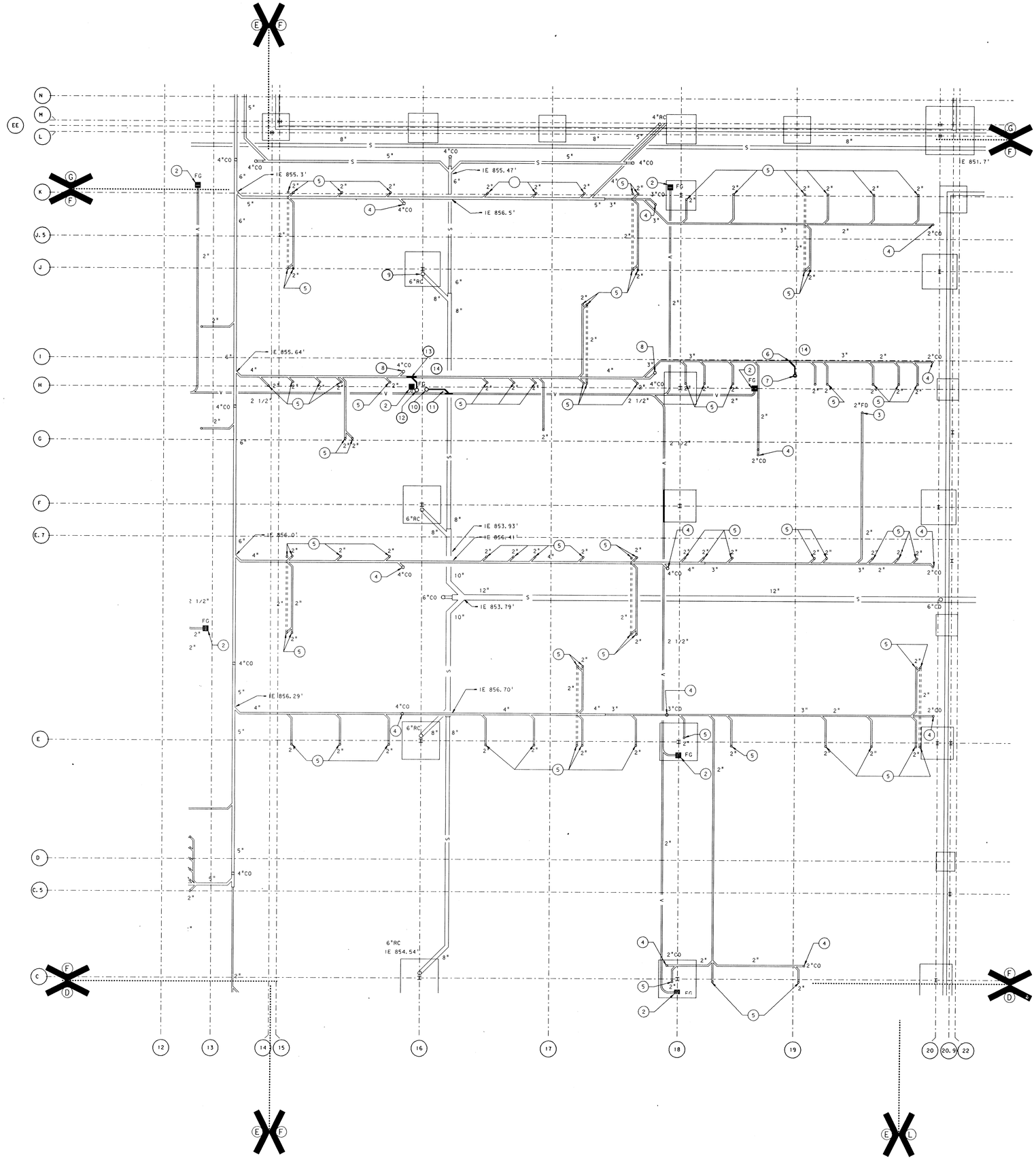
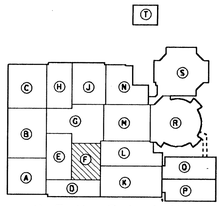


UNIT "F" PLUMBING FOUNDATION PLAN

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

PLAN NOTES

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. DISCONNECT AND REMOVE EXISTING FLOOR VACUUM GRILLE. CAP OR PLUG VACUUM LINE BELOW FINISHED FLOOR SURFACES.
3. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR SURFACES.
4. DISCONNECT AND REMOVE EXISTING CLEANOUT. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR SURFACES.
5. DISCONNECT AND REMOVE EXISTING LABORATORY SINK WASTE LINE. CAP OR PLUG WASTE AND VENT LINES BELOW FINISHED FLOOR SURFACES.
6. CONNECT NEW 2" WASTE LINE TO EXISITNG 2" WASTE. VERIFY SIZE AND LOCATON AT THIS POINT.
7. NEW 2" WASTE UP FOR NEW SINK.
8. CLEAN OUT TO REMAIN IN SERVICE.
9. DISCONNECT AND REMOVE EXISTING 6"RC UP. CAP BELOW FINISHED FLOOR.
10. 8"RC UP.
11. CONNECT 8"RC TO EXISTING 8" STORM.
12. 3"W UP.
13. CONNECT NEW 3"W TO EXISTING 4"WASTE.
14. THE MECHANICAL CONTRACTOR SHALL MAKE THE CUT, EXCAVATE, INSTALL NEW SERVICE, INSTALLAN APPROVED BANK RUN GRAVEL BACKFILL TO TOP OF SUBGRADE, AND HAUL AWAY EXCESS MATERIAL. GENERAL CONTRACTOR WILL FURNISH AND INSTALL THE FINAL FINISH SURFACE.



ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL

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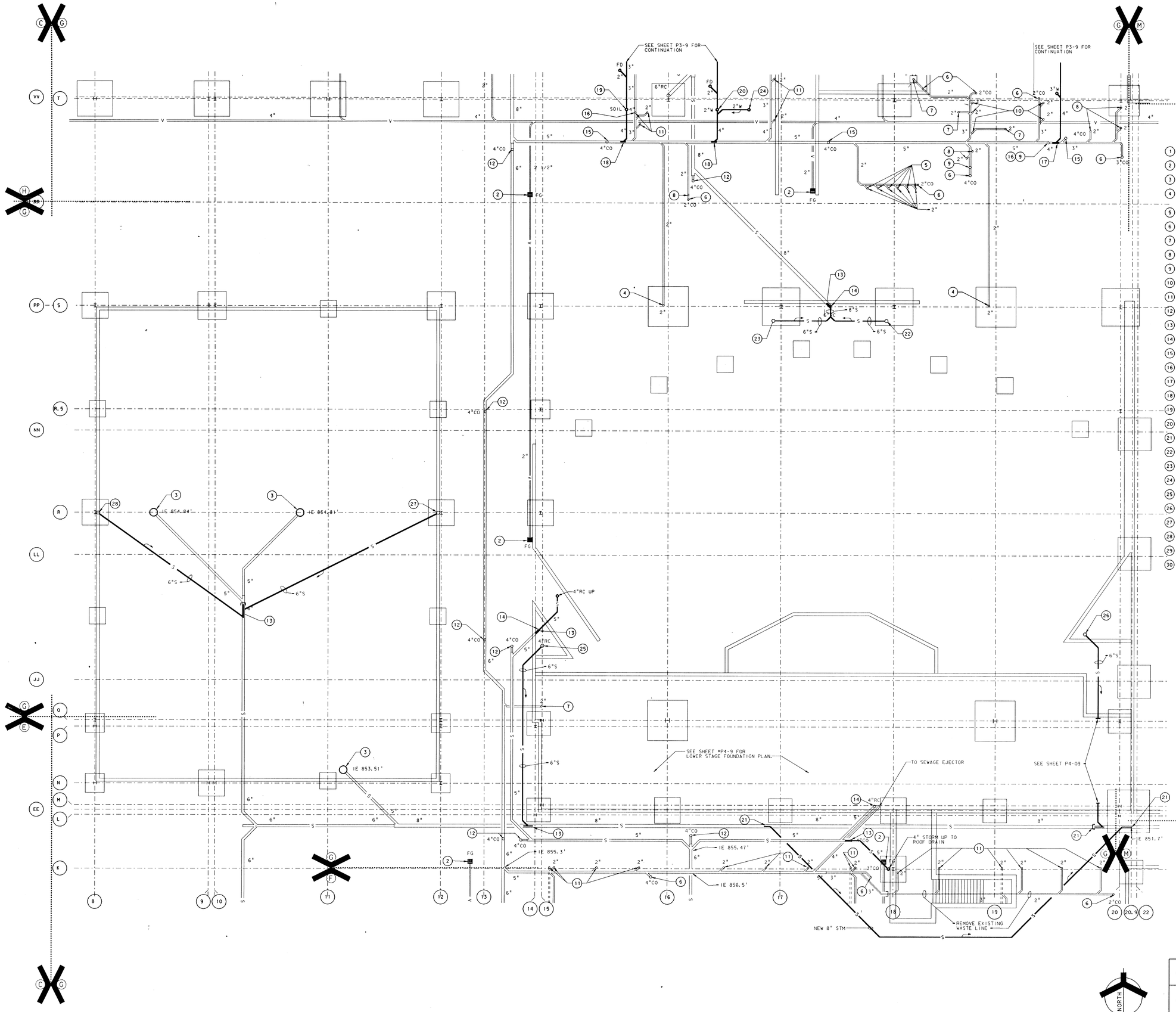
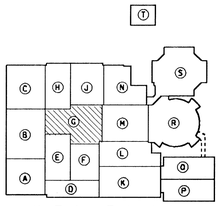


PLAN NOTES

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
2. DISCONNECT AND REMOVE EXISTING FLOOR VACUUM GRILLE. CAP OR PLUG VACUUM LINE BELOW FINISHED FLOOR SURFACE
3. DISCONNECT AND REMOVE EXISTING CATCH BASIN. CAP OR PLUG STORM LINE BELOW FINISHED FLOOR SURFACE & ABANDON IN PLACE OUT OF SERVICE.
4. DISCONNECT AND REMOVE 2" WASTE LINE UP TO PROJECTION BOOTH. REMOVE (2) 2" FLOOR DRAINS & VENT PIPE. CAP OR PLUG WASTE LINE BELOW FIRST FLOOR FINISHED SURFACE.
5. DISCONNECT AND REMOVE EXISTING ELECTRIC WATER COOLER, CARRIER & ALL RELATED PIPING. CAP WASTE LINE BELOW FINISHED FLOOR SURFACES.
6. DISCONNECT AND REMOVE EXISTING FLOOR CLEANOUT. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR SURFACES.
7. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN. CAP WASTE LINE BELOW FINISHED FLOOR SURFACE.
8. DISCONNECT AND REMOVE EXISTING LAVATORY, CARRIER & AND ALL RELATED PIPING. CAP WASTE LINE BELOW FINISHED FLOOR SURFACE.
9. DISCONNECT AND REMOVE ALL WATER CLOSETS, CARRIERS & ALL RELATED PIPING. CAP WASTE LINE BELOW FINISHED FLOOR SURFACE.
10. DISCONNECT AND REMOVE EXISTING URINALS, CARRIERS & ALL RELATED PIPING. CAP WASTE LINE BEOLW FINISHED FLOOR SURFACE.
11. DISCONNECT AND REMOVE EXISTING SINKS & ALL RELATED PIPING. CAP WASTE LINES BELOW FINISHED FLOOR SURFACE.
12. CLEANOUT TO REMAIN IN SERVICE.
13. CONNECT NEW STORM LINE TO EXISTING AT THIS POINT. VERIFY SIZE AND LOCATION.
14. DISCONNECT AND REMOVE EXISTING R.C. & STORM LINE. CAP OR PLUG BELOW FINISHED FLOOR SURFACE
15. DISCONNECT AND REMOVE EXISTING CLEANOUT. INSTALL NEW CLEANOUT AS REQ'D.
16. EXISTING 4" VENT THRU ROOF TO REMAIN FOR RECONNECT TO NEW VENT LINES. SEE SHEET P4-9 UNIT "J" PLUMBING FLOOR PLAN.
17. TIE INTO EXISTING 4" WASTE LINE WITH NEW 4" WASTE LINE.
18. TIE INTO EXISTING 5" WASTE LINE WITH NEW 4" WASTE LINE.
19. NEW 4" SOIL UP TO NEW WATER CLOSTES.
20. NEW 2" WASTE UP TO NEW LAV'S.
21. CONNECT NEW 8"STORM LINE TO EXISTING LINE. ABANDON OR REMOVE EXISTING LINE BETWEEN CONNECTIONS.
22. 6"S UP TO R.D. #19 & 20A.
23. 6"S UP TO RD #18 & 20.
24. 2"W UP TO PENTHOUSE DRAINS.
25. 6"S UP TO RD #21 & 22.
26. 6"S UP TO RD #21A & 22A.
27. 6"S UP TO RD #59.
28. 6"S UP TO RD #58.
29. CONNECT NEW 6"S TO EXISTING 6"S. VERIFY SIZE AND LOCATION.
30. THE MECHANICAL CONTRACTOR SHALL MAKE THE CUT, EXCAVATE, INSTALL NEW SERVICE, INSTALL AN APPROVED BANK, RUN GRAVEL BACKFILL TO TOP OF SUBGRADE, AND HAUL AWAY EXCESS MATERIAL. GENERAL CONTRACTOR WILL FURNISH AND INSTALL THE FINAL FINISHED SURFACE.

UNIT "G" PLUMBING FOUNDATION PLAN

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



KEY PLAN

NOT TO SCALE

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for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

MARION COUNTY, INDIANA

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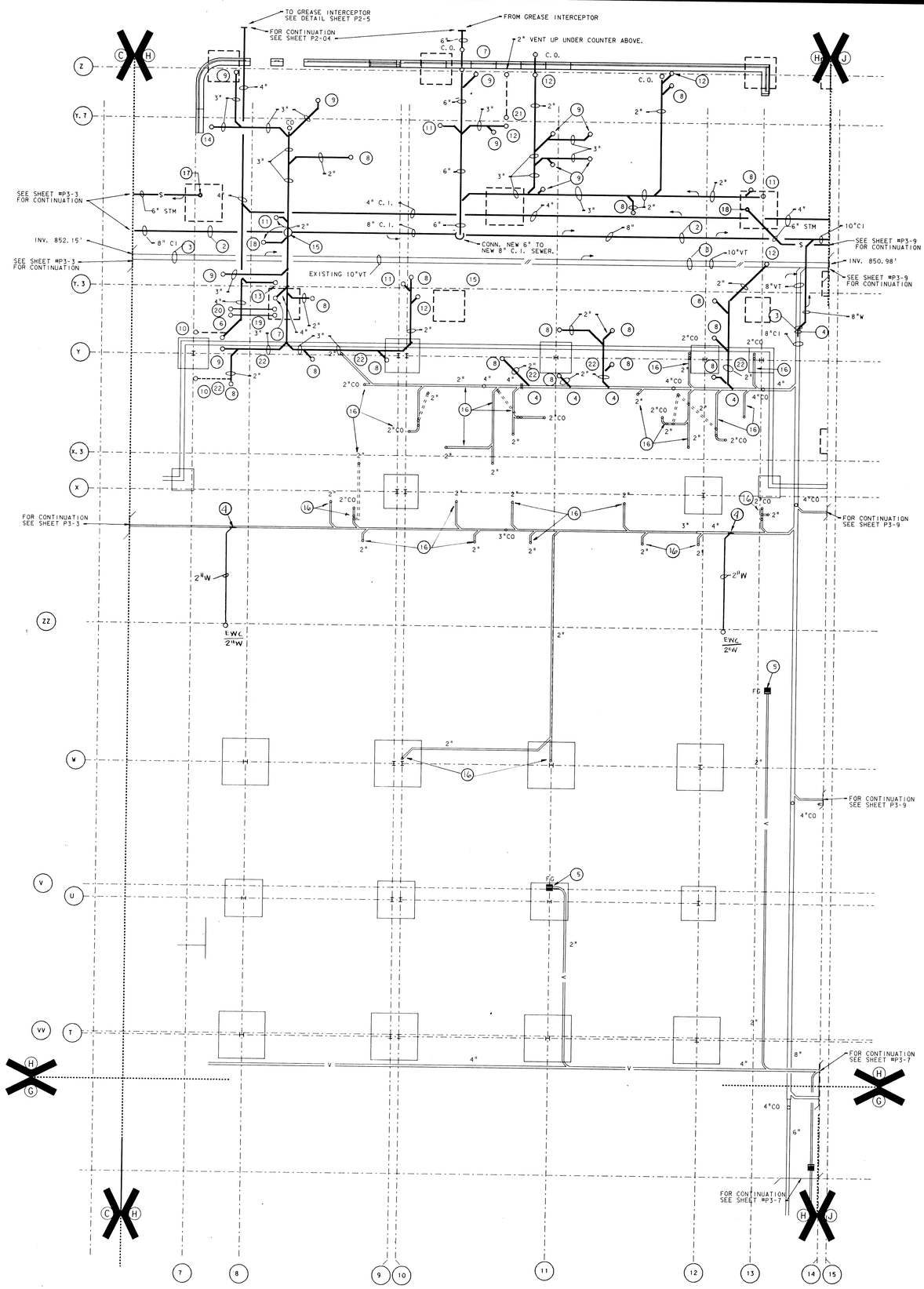
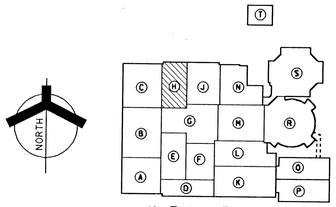


UNIT "H" PLUMBING FOUNDATION PLAN

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

PLAN NOTES:

1. SEE SHEET #M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETALS.
2. SLOPE MAIN CAST IRON SEWER AT A SLOPE OF 1/8" PER FOOT.
3. EXISTING SANITARY SEWER SHALL REMAIN UNINTERRUPTED IN SERVICE UNTIL NEW CONSTRUCTION IS COMPLETED. THEN IT SHALL BE CUT, PLUGGED AND ABANDONED IN-PLACE OUT OF SERVICE. ANY PART OF EXISTING SEWER THAT INTERFERS WITH NEW CONSTRUCTION SHALL BE REMOVED.
4. CONNECT NEW WASTE LINE TO EXISTING. VERIFY SIZE AND LOCATION.
5. DISCONNECT & REMOVE EXISTING VACUUM FLOOR GRILLE. CAP OR PLUG VACUUM LINE BELOW FINISHED FLOOR SURFACE.
6. 4" WASTE UP TO DISHWASHER WITH CLEANOUT.
7. 4" WASTE UP TO DISPOSER WITH CLEANOUT.
8. 2" WASTE UP TO FLOOR DRAIN.
9. 3" WASTE UP TO FLOOR DRAIN.
10. 2" VENT UP IN WALL ABOVE.
11. 1½" WASTE UP TO LAVATORY.
12. 2" WASTE UP TO SINK ABOVE
13. 3" WASTE UP TO POT AND PAN SINK.
14. 3" WASTE UP TO MOP BASIN.
15. CONNECT 4" WASTE TO NEW 8" CAST IRON SEWER.
16. ALL EXISTING PIPING, STACKS, RISERS, FLOOR DRAINS OR CLEANOUTS MADE OBSOLETE BY DEMOLITION OR OTHER NEW WORK SHALL BE CAPPED AND ABANDONED UNLESS OTHERWISE NOTED.
17. 6" STORM UP TO RD #6
18. 4" STORM UP TO RD #7
19. ¾" HOT AND COLD WATER UP IN WALL ABOVE
20. ¾" HOT AND COLD WATER UP TO DISHWASHER.
21. 2" VENT DOWN FROM LOOP VENT AT SINK ABOVE.
22. THE MECHANICAL CONTRACTOR SHALL MAKE THE CUT, EXCAVATE, INSTALL NEW SERVICE, INSTALL AN APPROVED BANK RUN GRAVEL BACKFILL TO TOP OF SUBGRADE, AND HAUL AWAY EXCESS MATERIAL. GENERAL CONTRACTOR WILL FURNISH AND INSTALL THE FINAL FINISHED SURFACE.



KEY PLAN

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ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL

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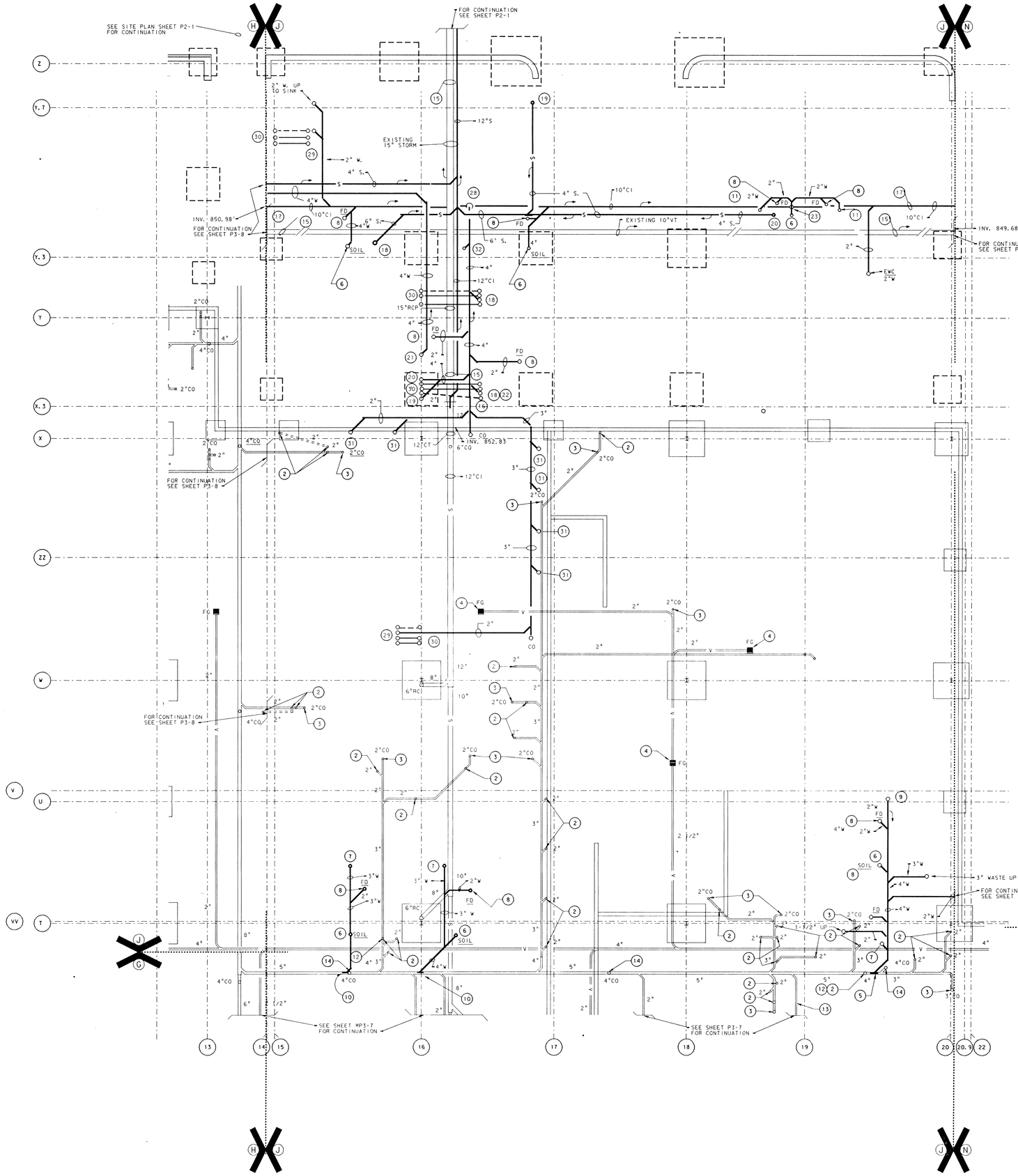
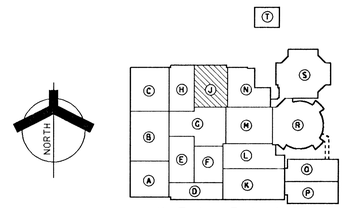


PLAN NOTES

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND, SCHEDULES, AND DETAIL.
2. DISCONNECT AND REMOVE EXISTING WASTE AND VENT PIPING. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR.
3. DISCONNECT AND REMOVE EXISTING CLEANOUT. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR.
4. DISCONNECT AND REMOVE EXISTING VACUUM GRILLE. CAP OR PLUG VACUUM LINE BELOW FINISHED FLOOR.
5. TIE INTO EXISTING 4" WASTE WITH NEW 4" WASTE LINE.
6. NEW 4" SOIL UP TO NEW WATER CLOSETS.
7. NEW 3" WASTE UP TO URINALS.
8. NEW 2" WASTE UP TO FLOOR DRAINS.
9. NEW 2" WASTE UP TO LAV'S.
10. TIE INTO EXISTING 5" WASTE WITH NEW 4" WASTE LINE.
11. NEW 2" WASTE UP TO SHOWER.
12. EXISTING 4" VENT THRU ROOF TO REMAIN FOR RECONNECT TO NEW VENTS.
13. EXISTING WASTE LINE TO REMAIN IN SERVICE.
14. DISCONNECT AND REMOVE EXISTING CLEANOUT. INSTALL NEW CLEANOUT AS REQ'D.
15. EXISTING STORM & SANITARY SEWERS SHALL REMAIN UNINTERRUPTED IN SERVICE UNTIL NEW CONSTRUCTION IS COMPLETED. THEN IT SHALL BE CUT, PLUGGED AND ABANDONED IN PLACE OUT OF SERVICE. ANY PART OF THE EXISTING SEWER THAT INTERFERS WITH NEW CONSTRUCTION SHALL BE REMOVED.
16. CONNECT NEW 12"S TO EXISTING 12"S. SEE NOTE #15.
17. SLOPE NEW SANITARY SEWER LINE AT 1/8" PER FT.
18. 2" WASTE UP TO WORK SINK.
19. 2" WASTE UP TO CLOTHES-WASHER SERVICE BOX.
20. 4" WASTE UP TO DISPOSER
21. 3" WASTE UP TO 3-COMPARTMENT SINK.
22. ¾" HOT AND COLD WATER UP TO WORK SINK.
23. 4" STORM UP TO ROOF DRAIN NO. 8 AND 9.
24. 4" STORM UP TO ROOF DRAIN NO. 11
25. 4" STORM UP TO ROOF DRAIN NO. 10.
26. CONNECT NEW 2" WASTE TO EXISTING 2" WASTE. VERIFY SIZE AND LOCATION.
27. FLOOR CUTS IN EXISTING AREAS TO BE BY THE MECHANICAL CONTRACTOR. PATCHING SHALL BE BY THE GENERAL CONTRACTOR.
28. 4" WASTE DOWN TO NEW 10" CAST IRON SANITARY SEWER.
29. 2" WASTE AND VENT. ¾" HOT AND COLD WATER UP TO SINK ABOVE.
30. 2" VENT. ¾" HOT AND COLD WATER UP IN WALL ABOVE.
31. 2" WASTE UP IN WALL ABOVE TO SINK.
32. 1-1/2" WASTE UP IN WALL ABOVE TO LAVATORY.

UNIT "J" PLUMBING FOUNDATION PLAN

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



KEY PLAN
NOT TO SCALE

ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL

for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

EVERETT I. BROWN Company
Architects & Engineers
950 NORTH MERIDIAN STREET
INDIANAPOLIS, INDIANA 46204
(317) 237-7000

SCOTT R. BROWN
REGISTERED
NO. 20912
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT
871-110

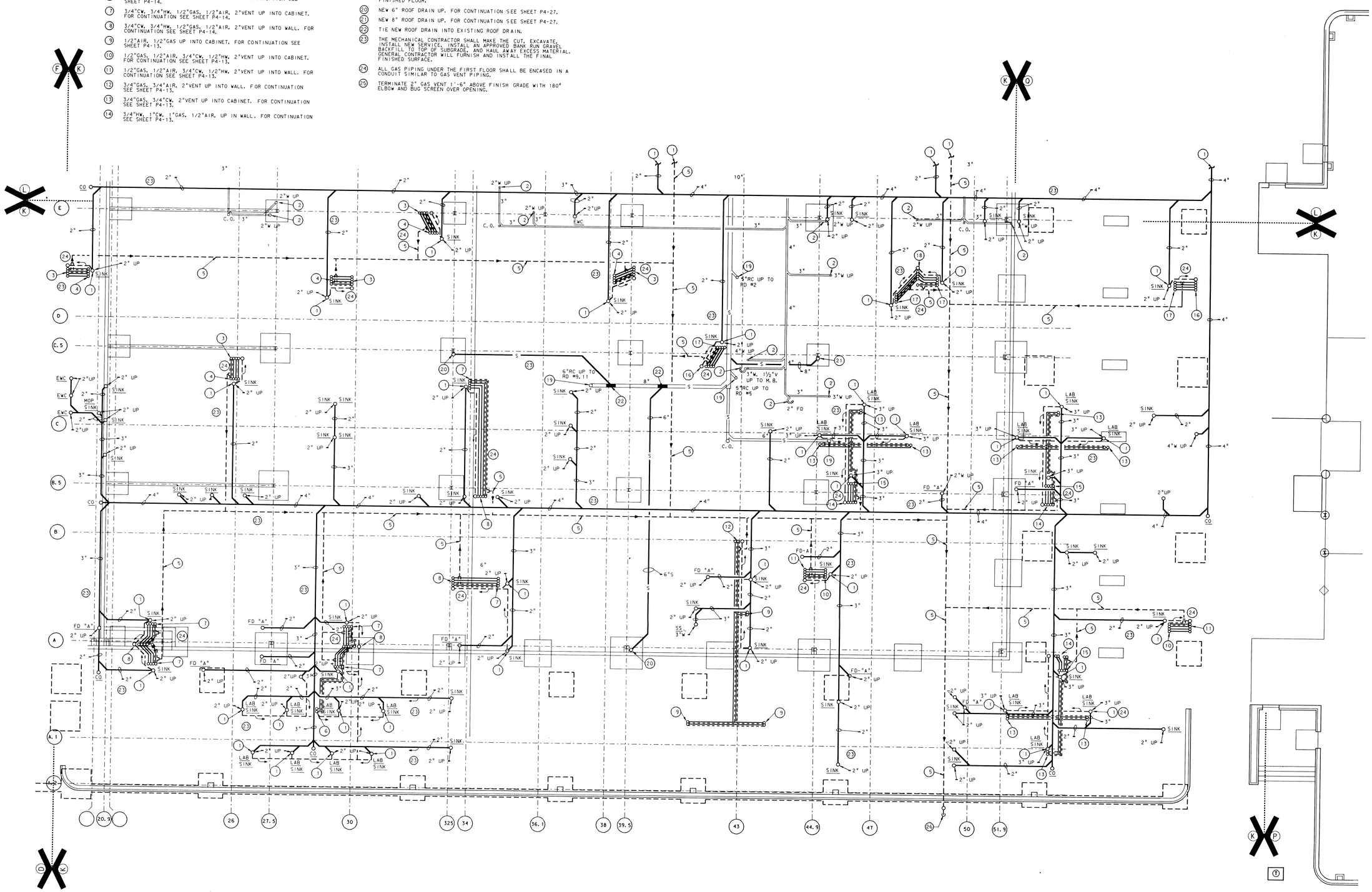
DATE
DEC. 18, 1989

REVISED

NO. P3-09
OF 17

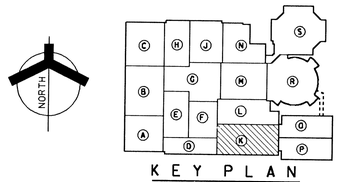
PLAN NOTES:

1. FOR CONTINUATION SEE SHEET P3-11.
2. DISCONNECT AND REMOVE EXISTING WASTE & VENT LINES. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR.
3. 1/2"GAS, 1/2"AIR, 3/4"CW, 3/4"HW, 2"VENT UP INTO WALL. FOR CONTINUATION SEE SHEET P4-15.
4. 1/2"GAS, 1/2"AIR, 3/4"CW, 3/4"HW, 2"VENT UP INTO CABINET. FOR CONTINUATION SEE SHEET P4-15.
5. 2" GAS VENT PIPING.
6. 1/2"GAS, 3/4"CW UP INTO CABINET. FOR CONTINUATION SEE SHEET P4-14.
7. 3/4"CW, 3/4"HW, 1/2"GAS, 1/2"AIR, 2"VENT UP INTO CABINET. FOR CONTINUATION SEE SHEET P4-14.
8. 3/4"CW, 3/4"HW, 1/2"GAS, 1/2"AIR, 2"VENT UP INTO WALL. FOR CONTINUATION SEE SHEET P4-14.
9. 1/2"AIR, 1/2"GAS UP INTO CABINET. FOR CONTINUATION SEE SHEET P4-13.
10. 1/2"GAS, 1/2"AIR, 3/4"CW, 1/2"HW, 2"VENT UP INTO CABINET. FOR CONTINUATION SEE SHEET P4-13.
11. 1/2"GAS, 1/2"AIR, 3/4"CW, 1/2"HW, 2"VENT UP INTO WALL. FOR CONTINUATION SEE SHEET P4-13.
12. 3/4"GAS, 3/4"AIR, 2"VENT UP INTO WALL. FOR CONTINUATION SEE SHEET P4-13.
13. 3/4"GAS, 3/4"CW, 2"VENT UP INTO CABINET. FOR CONTINUATION SEE SHEET P4-13.
14. 3/4"HW, 1"CW, 1"GAS, 1/2"AIR, UP IN WALL. FOR CONTINUATION SEE SHEET P4-13.
15. 3/4"HW, 3/4"CW, 1/2"GAS, 1/2"AIR UP INTO CABINET. FOR CONTINUATION SEE SHEET P4-13.
16. 3/4"CW, 3/4"HW, 1/2"GAS, 1/2"AIR, 2"VENT UP INTO WALL. FOR CONTINUATION SEE SHEET P4-16.
17. 3/4"CW, 3/4"HW, 1/2"GAS, 1/2"AIR, 2"VENT UP INTO CABINET. FOR CONTINUATION SEE SHEET P4-16.
18. 2"VENT, 3/4"CW, 3/4"HW 1/2"GAS, 1/2"AIR UP IN WALL. FOR CONTINUATION SEE SHEET P4-16.
19. DISCONNECT & REMOVE EXISTING ROOF DRAIN CAP BELOW FINISHED FLOOR.
20. NEW 6" ROOF DRAIN UP. FOR CONTINUATION SEE SHEET P4-27.
21. NEW 8" ROOF DRAIN UP. FOR CONTINUATION SEE SHEET P4-27.
22. TIE NEW ROOF DRAIN INTO EXISTING ROOF DRAIN.
23. THE MECHANICAL CONTRACTOR SHALL MAKE THE CUT, EXCAVATE, INSTALL NEW SERVICE, INSTALL AN APPROVED BANK RUN GRAVEL BACKFILL TO TOP OF SUBGRADE, AND HAUL AWAY EXCESS MATERIAL. GENERAL CONTRACTOR WILL FURNISH AND INSTALL THE FINAL FINISHED SURFACE.
24. ALL GAS PIPING UNDER THE FIRST FLOOR SHALL BE ENCASED IN A CONDUIT SIMILAR TO GAS VENT PIPING.
25. TERMINATE 2" GAS VENT 1'-6" ABOVE FINISH GRADE WITH 180° ELBOW AND BUG SCREEN OVER OPENING.



UNIT "K" PLUMBING FOUNDATION PLAN

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



KEY PLAN

NOT TO SCALE

ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL

for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

MARION COUNTY, INDIANA

EVERETT I. BROWN Company
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SCOTT R. BROWN REGISTERED NO. 20912 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT 871-110

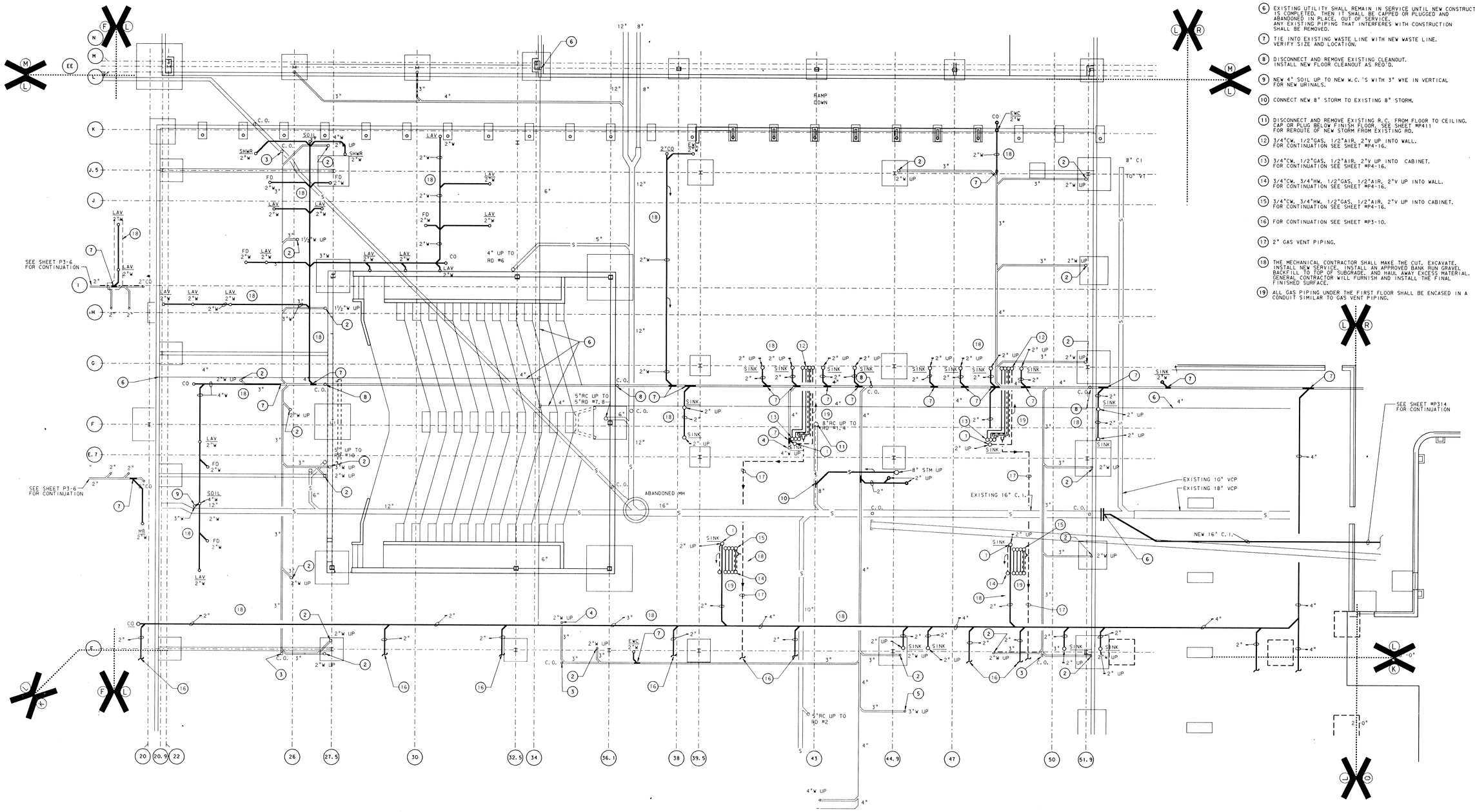
DATE DEC. 18, 1989

REVISED

NO. P3-10 OF 17

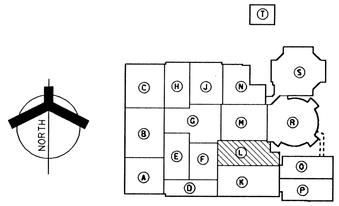
PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAILS.
2. DISCONNECT AND REMOVE WASTE, VENT, HOT & COLD WATER LINES. CAP OR PLUG WASTE LINE BELOW FINISH FLOOR.
3. DISCONNECT AND REMOVE EXISTING FLOOR CLEANOUT. CAP OR PLUG WASTE LINE BELOW FINISH FLOOR.
4. DISCONNECT AND REMOVE EXISTING WASTE & VENT LINES. CAP OR PLUG WASTE LINE BELOW FINISH FLOOR.
5. EXISTING WASTE LINE TO REMAIN IN SERVICE.
6. EXISTING UTILITY SHALL REMAIN IN SERVICE UNTIL NEW CONSTRUCTION IS COMPLETED. THEN IT SHALL BE CAPPED OR PLUGGED AND ABANDONED IN PLACE, OUT OF SERVICE. ANY EXISTING PIPING THAT INTERFERES WITH CONSTRUCTION SHALL BE REMOVED.
7. TIE INTO EXISTING WASTE LINE WITH NEW WASTE LINE. VERIFY SIZE AND LOCATION.
8. DISCONNECT AND REMOVE EXISTING CLEANOUT. INSTALL NEW FLOOR CLEANOUT AS REQ'D.
9. NEW 4" SOIL UP TO NEW W.C.'S WITH 3" WYE IN VERTICAL FOR NEW URINALS.
10. CONNECT NEW 8" STORM TO EXISTING 8" STORM.
11. DISCONNECT AND REMOVE EXISTING R.C. FROM FLOOR TO CEILING. CAP OR PLUG BELOW FINISH FLOOR. SEE SHEET #P411 FOR REROUTE OF NEW STORM FROM EXISTING RD.
12. 3/4"CW, 1/2"GAS, 1/2"AIR, 2"V UP INTO WALL. FOR CONTINUATION SEE SHEET #P4-16.
13. 3/4"CW, 1/2"GAS, 1/2"AIR, 2"V UP INTO CABINET. FOR CONTINUATION SEE SHEET #P4-16.
14. 3/4"CW, 3/4"HW, 1/2"GAS, 1/2"AIR, 2"V UP INTO WALL. FOR CONTINUATION SEE SHEET #P4-16.
15. 3/4"CW, 3/4"HW, 1/2"GAS, 1/2"AIR, 2"V UP INTO CABINET. FOR CONTINUATION SEE SHEET #P4-16.
16. FOR CONTINUATION SEE SHEET #P3-10.
17. 2" GAS VENT PIPING.
18. THE MECHANICAL CONTRACTOR SHALL MAKE THE CUT, EXCAVATE, INSTALL NEW SERVICE, INSTALL AN APPROVED BANK RUN GRAVEL BACKFILL TO TOP OF SUBGRADE, AND HAUL AWAY EXCESS MATERIAL. GENERAL CONTRACTOR WILL FURNISH AND INSTALL THE FINAL FINISHED SURFACE.
19. ALL GAS PIPING UNDER THE FIRST FLOOR SHALL BE ENCASED IN A CONDUIT SIMILAR TO GAS VENT PIPING.



UNIT "L" PLUMBING FOUNDATION PLAN

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



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for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

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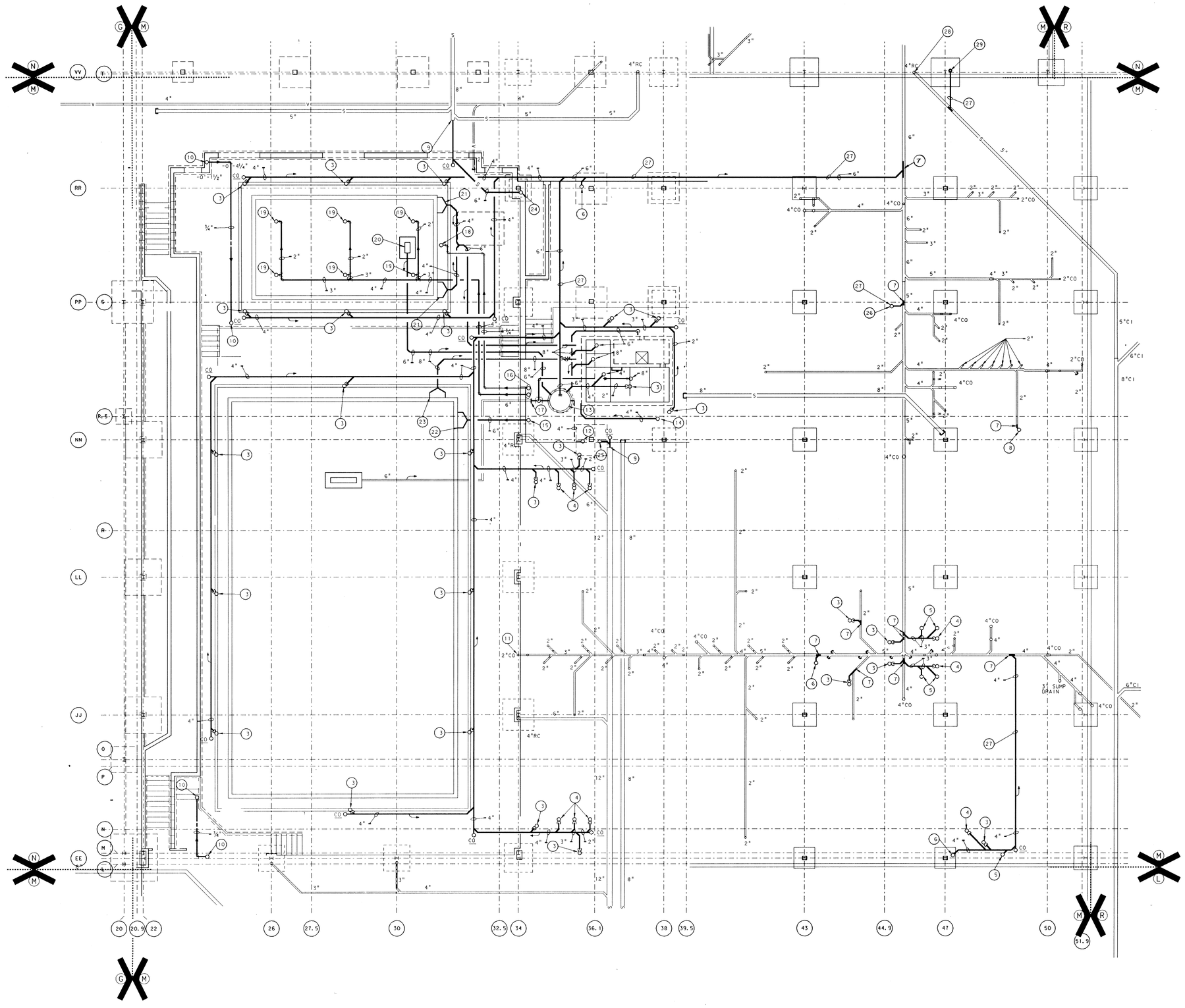
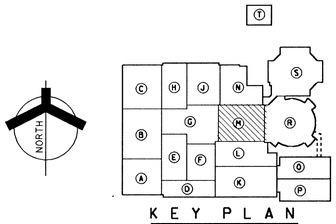


PLAN NOTES:

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAILS.
2. SEE SHEET P3-13 FOR ADDITIONAL WORK IN THIS AREA.
3. 2"W UP TO FD.
4. 2"W UP TO SHOWER FD.
5. 2"W UP TO LAV.
6. 4"W UP.
7. CONNECT TO EXISTING WASTE LINE.
8. 2"W UP TO SINK.
9. CONNECT TO EXISTING STORM LINE.
10. ¾"CW UP.
11. REMOVE EXISTING C.O., INSTALL NEW C.O.
12. 4" SUMP BASIN VENT UP.
13. EXISTING SUMP BASIN, SEE SHEET P4-18 FOR DETAIL.
14. 4" POOL FILTER DRAIN LINE UP.
15. 6" SWIMMING POOL SUPPLY LINE UP.
16. 4" DIVING POOL SUPPLY LINE AND ¾" DIVING POOL WATER SURFACE RIPPLE NOZZLE SUPPLY LINE UP.
17. CONNECT 8" TO EXISTING SWIMMING POOL 6" MAIN DRAIN/ RETURN C.I. LINE.
18. ¾" DIVING POOL WATER SURFACE RIPPLE NOZZLE SUPPLY LINE UP.
19. 2" DIVING POOL SUPPLY LINE UP TO DIVING POOL SUPPLY NOZZLE.
20. DIVING POOL MAIN DRAIN.
21. CONNECT 6" DIVING POOL RETURN LINE TO DIVING POOL GUTTER CONVERTOR.
22. CONNECT 6" SWIMMING POOL SUPPLY LINE TO SWIMMING POOL SUPPLY HEADER CONVERTOR.
23. CONNECT 8" SWIMMING POOL WATER GUTTER OVERFLOW TROUGH DRAIN LINE TO SWIMMING POOL WATER GUTTER OVERFLOW TROUGH DRAIN CONVERTOR.
24. 6"RC UP.
25. 10"RC UP.
26. 2"W UP TO EWC.
27. THE MECHANICAL CONTRACTOR SHALL MAKE THE CUT, EXCAVATE, INSTALL NEW SERVICE, INSTALL AN APPROVED BANK RUN GRAVEL BACKFILL TO TOP OF SUBGRADE, AND HAUL AWAY EXCESS MATERIAL. GENERAL CONTRACTOR WILL FURNISH AND INSTALL THE FINAL FINISHED SURFACE.
28. DISCONNECT STORM LINE AND CAP OR PLUG PIPE BELOW FINISHED FLOOR.
29. 4" R.C. UP

UNIT "M" PLUMBING FOUNDATION PLAN

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



KEY PLAN

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ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL

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MARION COUNTY, INDIANA

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NO. P3-12
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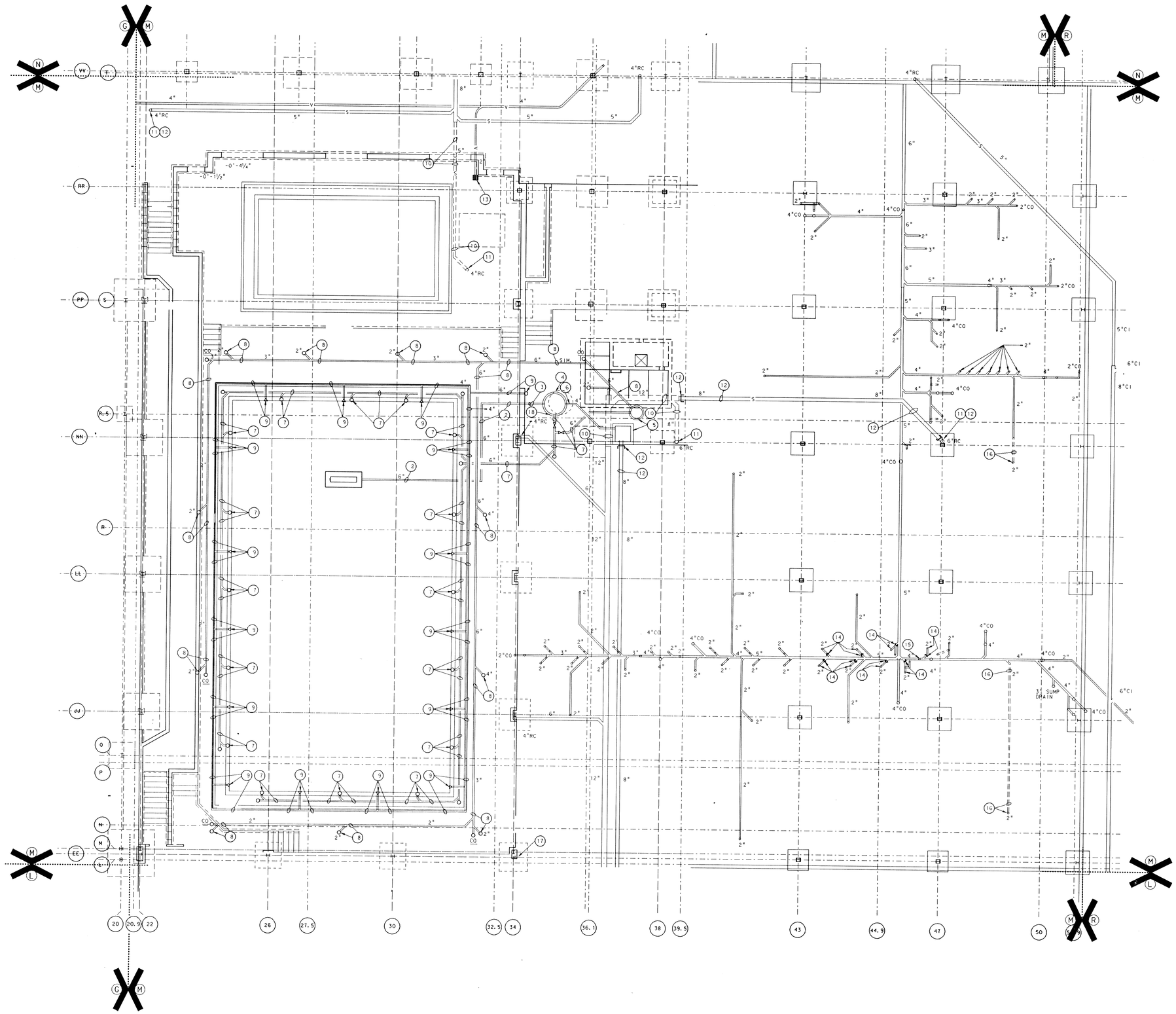
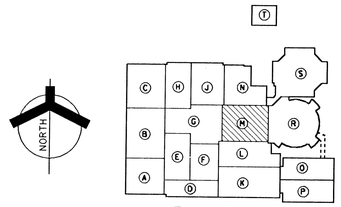


PLAN NOTES:

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
2. EXISTING 6" POOL MAIN DRAIN LINE TO REMAIN.
3. REMOVE SECTION OF EXISTING 6" POOL MAIN DRAIN LINE.
4. EXISTING SUMP BASIN TO REMAIN, COVER TO BE REPLACED.
5. REMOVE EXISTING SUMP BASIN.
6. REMOVE EXISTING 4" SUMP BASIN OVERFLOW.
7. REMOVE EXISTING POOL GUTTER DRAINS AND GUTTER DRAIN LINES.
8. REMOVE EXISTING POOL DECK DRAINS AND DECK DRAIN LINES.
9. REMOVE EXISTING POOL SUPPLY INLET FITTINGS AND SUPPLY LINES.
10. REMOVE SECTION OF EXISTING STORM PIPE.
11. REMOVE EXISTING RC UP.
12. CAP AND ABANDON EXISTING STORM PIPE BELOW FLOOR.
13. DISCONNECT AND REMOVE EXISTING VACUUM SYSTEM. CAP OR PLUG VACUUM LINE BELOW FINISHED FLOOR SURFACE.
14. REMOVE SECTION OF EXISTING WASTE LINE. CAP AT MAIN.
15. REMOVE EXISTING 2" WASTE RISE. CAP AT MAIN.
16. REMOVE EXISTING FD AND SECTION OF EXISTING WASTE LINE.
17. REMOVE EXISTING 5"CW PIPE UP. CAP AND ABANDON BELOW FLOOR.
18. REMOVE, CAP AND SEAL WATER TIGHT EXISTING 6" POOL GUTTER DRAIN LINE INTO EXISTING SUMP BASIN.

UNIT "M" SWIMMING POOL, DEMOLITION FOUNDATION PLAN

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



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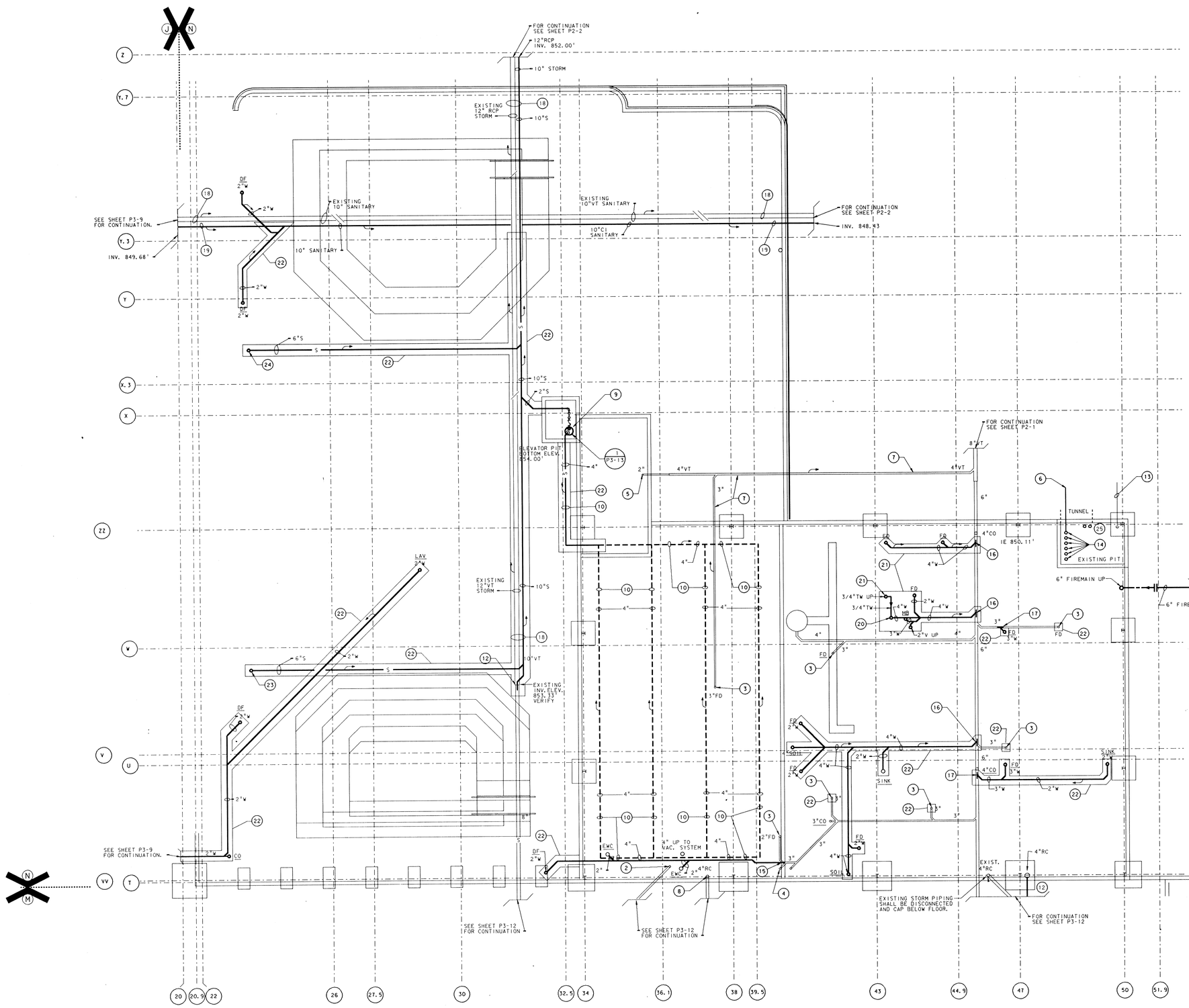
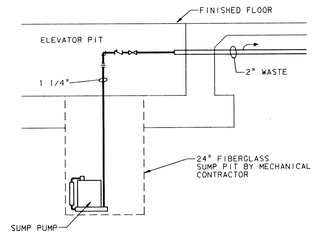


UNIT "N" PLUMBING FOUNDATION PLAN

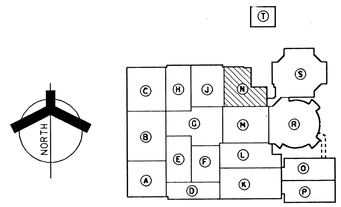
SCALE: 1/8" = 1'-0"

PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. DISCONNECT AND REMOVE EXISTING VACUUM SYSTEM. CAP OR PLUG VACUUM LINE BELOW FINISHED FLOOR SURFACE.
3. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN. CAP OR PLUG WASTE LINE BELOW FINISHED FLOOR SURFACE.
4. DISCONNECT AND REMOVE EXISTING SERVICE SINK & ALL RELATED PIPING. CAP OR PLUG ALL LINES BEHIND FINISHED SURFACES.
5. DISCONNECT AND REMOVE EXISTING SUMP PUMP. CAP OR PLUG DISCHARGE PIPE BELOW FINISHED FLOOR SURFACE.
6. SEE SHEET #P2-1 FOR CONTINUATION.
7. DISCONNECT AND REMOVE EXISTING WASTE LINE.
8. EXISTING 4" R.C. SHALL REMAIN.
9. PROVIDE NEW SUMP PUMP IN 30" DEEP PIT, WITH GATE VALVE & CHECK VALVE. CONNECT TO NEW STORM SEWER. SUMP PUMP SHALL BE WEIL OR EQUAL 1 1/4" SERIES 1400. MOTOR DATA: 1/3 HP, 115V/1/60 HZ PUMP DATA: 10 GPM AT 24 FT. HD.
10. 4" PERFORATED SUB-SURFACE DRAINAGE LINE, SLOPED TO OUTLET AT 1/16" PER FOOT.
11. 4" C.I. FROM SUB-SURFACE DRAINAGE.
12. CONNECT NEW STORM DRAIN TO EXISTING. VERIFY SIZE AND LOCATION.
13. REMOVE EXISTING 4" OVERFLOW LINE.
14. COLD HARD, COLD SOFT, 120 DEG HOT WATER, 120 DEG HOT WATER RETURN, 150 DEG HOT WATER & 150 DEG HOT WATER RETURN.
15. TIE INTO EXISTING WASTE WITH NEW 2" WASTE LINE. VERIFY SIZE AND LOCATION.
16. TIE INTO EXISTING WASTE WITH NEW 4" WASTE LINE. VERIFY SIZE AND LOCATION.
17. TIE INTO EXISTING WASTE WITH NEW 3" WASTE LINE. VERIFY SIZE AND LOCATION.
18. EXISTING STORM & SANITARY SEWERS SHALL REMAIN UNINTERRUPTED IN SERVICE UNTIL NEW CONSTRUCTION IS COMPLETED, THEN THEY SHALL BE CUT, PLUGGED AND ABANDONED IN PLACE OUT OF SERVICE. ANY PART OF THE EXISTING SEWERS THAT INTERFER WITH NEW CONSTRUCTION SHALL BE REMOVED.
19. SLOPE NEW SANITARY SEWER LINE AT 1/8" PER FT.
20. 4" WASTE FOR CAN WASHER.
21. 3/4" T.W. FROM CAN WASHER WATER SUPPLY CONTROL BOX.
22. THE MECHANICAL CONTRACTOR SHALL MAKE THE CUT, EXCAVATE, INSTALL NEW SERVICE, INSTALL AN APPROVED BANK RUN GRAVEL BACKFILL TO TOP OF SUBGRADE, AND HAUL AWAY EXCESS MATERIAL. GENERAL CONTRACTOR WILL FURNISH AND INSTALL THE FINAL FINISHED SURFACE.
23. 6"S UP TO RD. #16 & 16A.
24. 6"S UP TO RD. #12 & 13.
25. 4" FIRE DEPARTMENT CONNECTION FEED LINE AND 4" SPRINKLER LINE TO ZONE NO. B5 DOWN INTO TUNNEL. FOR CONTINUATION SEE SHEET P3-17



ELEVATOR SUMP PUMP DETAIL (1/P3)
NOT TO SCALE



KEY PLAN
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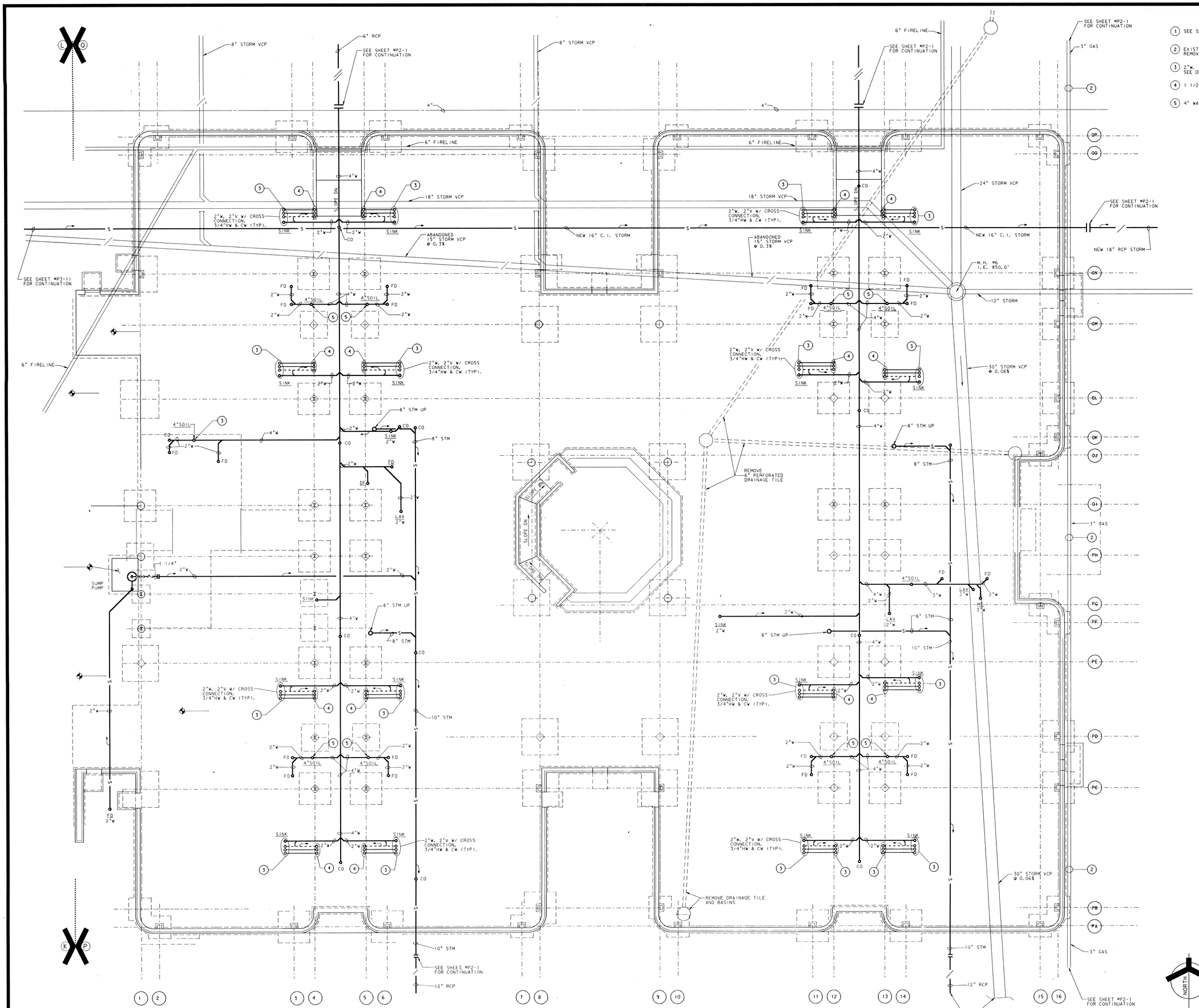
NO. P3-14
OF 17

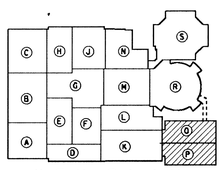
PLAN NOTES

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
2. EXISTING PREVIOUSLY ABANDONED 3" GAS LINE: REMOVE AS REQUIRED.
3. 2"W, 2"V, 3/4"HW & CW UP TO ISLAND SINK. SEE DETAIL #1 ON SHEET #P4-22.
4. 1 1/2"V, 3/4"HW & CW UP IN WALL.
5. 4" WASTE UP FOR RESTROOMS.



UNIT "P" & "O" PLUMBING FOUNDATION PLAN

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



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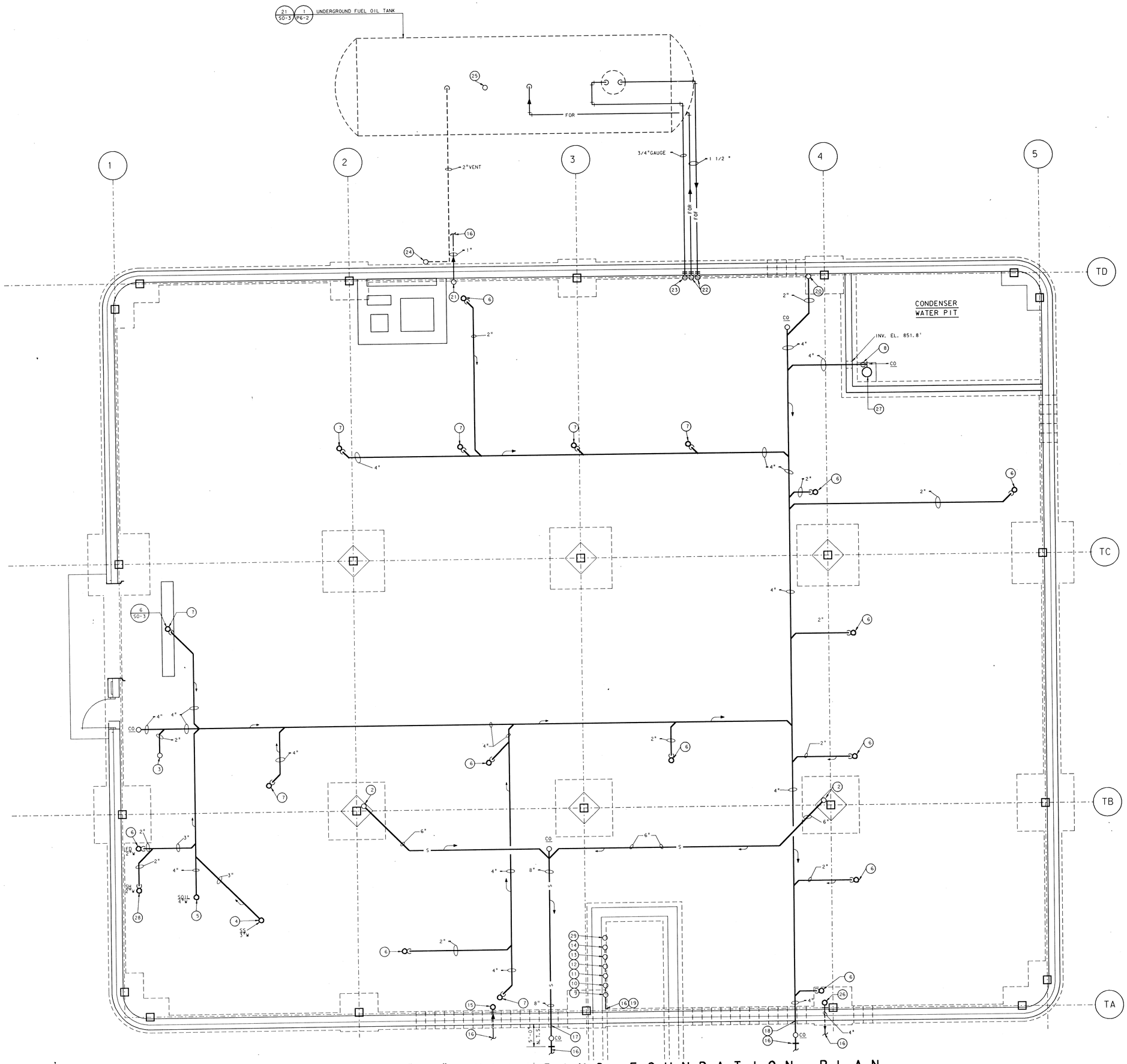
NO. P3-15 OF 17

Log Number 1
Log Number 2
Ref. File: LCMAIN.DGN
Levels: 10
Ref. File: LCARS107.DGN
Levels: 1,9,11,13,14,26-35,37-39,41-45,47,49,51-56,58-63

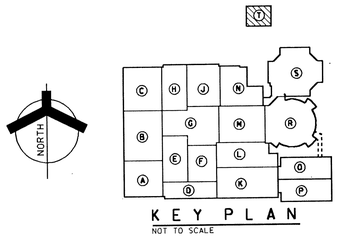


PLAN NOTES:

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAILS.
2. 6"RC UP
3. 2"W UP TO EWC.
4. 3"W UP TO P-12, SERVICE SINK.
5. 4"W UP
6. 2"W UP TO FD
7. 4"W UP TO FD
8. 2" PUMP DISCHARGE DROP TO SUMP PUMP WITH WITH GATE VALVE AND CHECK VALVE.
9. 6" CW UP
10. 3" SCW UP
11. 4" (120 DEG F) HW UP
12. 1 1/2" (120 DEG F) HWR UP
13. 2 1/2" (150 DEG F) HW UP
14. 1 1/4" (150 DEG F) HWR UP
15. 6"CW UP
16. SEE SHEET P2-2 FOR CONTINUATION
17. 8" C.I. STORM, INV. ELEV. 850.00'
18. 4" C.I. SANITARY, INV. ELEV. 850.00'
19. SEE SHEET P3-17 FOR CONTINUATION.
20. 2"W UP TO P-5
21. 1"CW UP
22. 1 1/2"FOF AND 1 1/2"FOR UP
23. 3/4" CONDUIT FOR FUEL OIL TANK LEVEL GAUGE WIRING
24. 2" TANK VENT UP
25. 4" TANK FILL LINE UP
26. 4" CW UP
27. SUMP PUMP #T1, WEIL 2" DISCHARGE, SERIES 1600 SUBMERSIBLE SUMP PUMP, 1/2HP, 115V, SINGLE PHASE, 60 HZ, 50 GPM AT 16 FT. TDH, FURNISH AND INSTALL ONE MERCURY FLOAT SWITCH FORLOW LEVEL PUMP SHUT-OFF. PUMP CONTROL PANEL AND CONTROL WIRING BY TCC.
28. 2"W UP TO SHOWER, P-16
29. AUTOMATIC FIRE PROTECTION LINE UP.

UNIT "T" PLUMBING FOUNDATION PLAN

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



KEY PLAN
NOT TO SCALE

ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL

for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

EVERETT I. BROWN Company
Architects & Engineers
950 NORTH MERIDIAN STREET
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SCOTT R. BROWN
REGISTERED
NO. 20912
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT
871-110

DATE
DEC. 18, 1989

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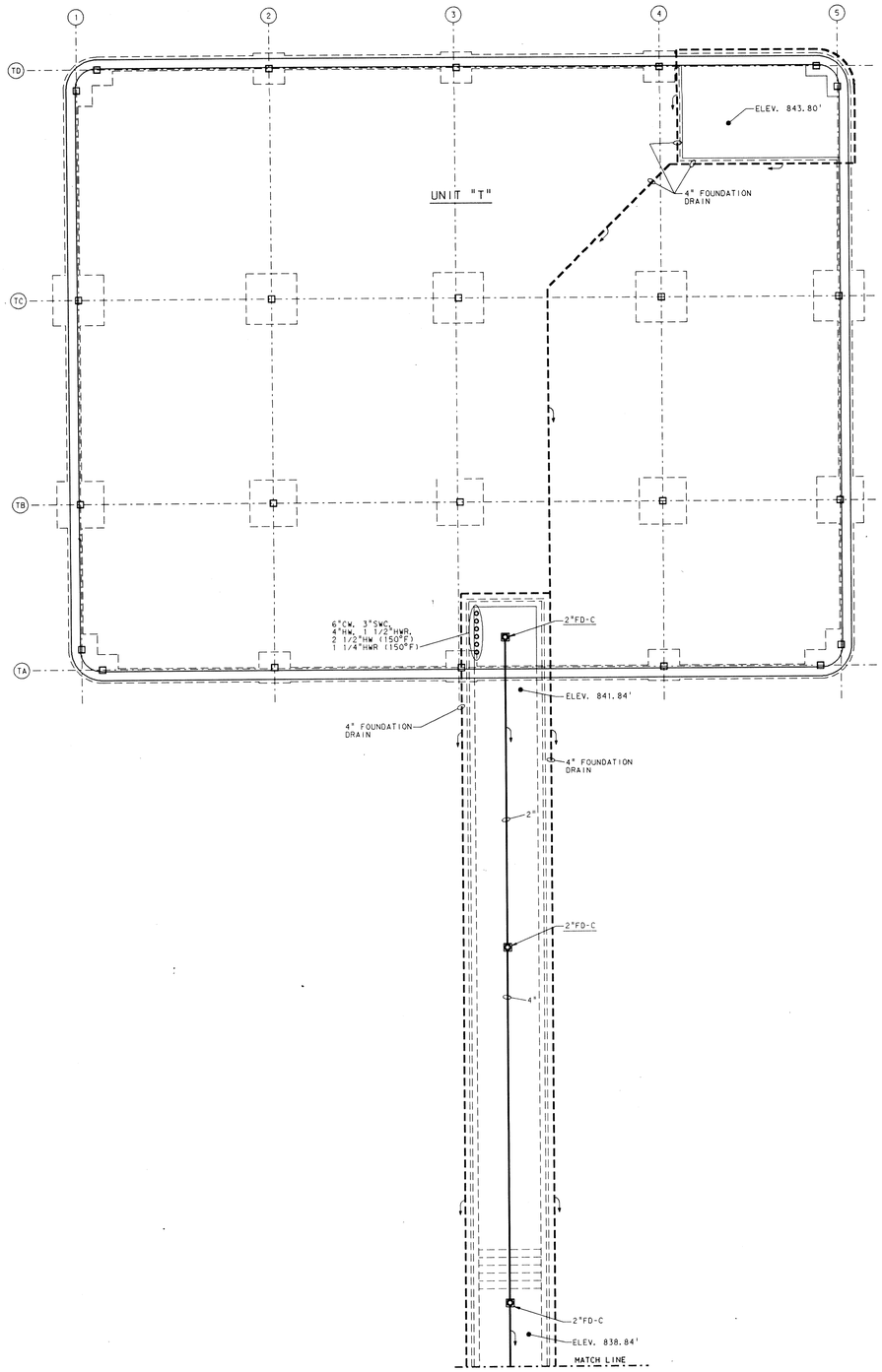
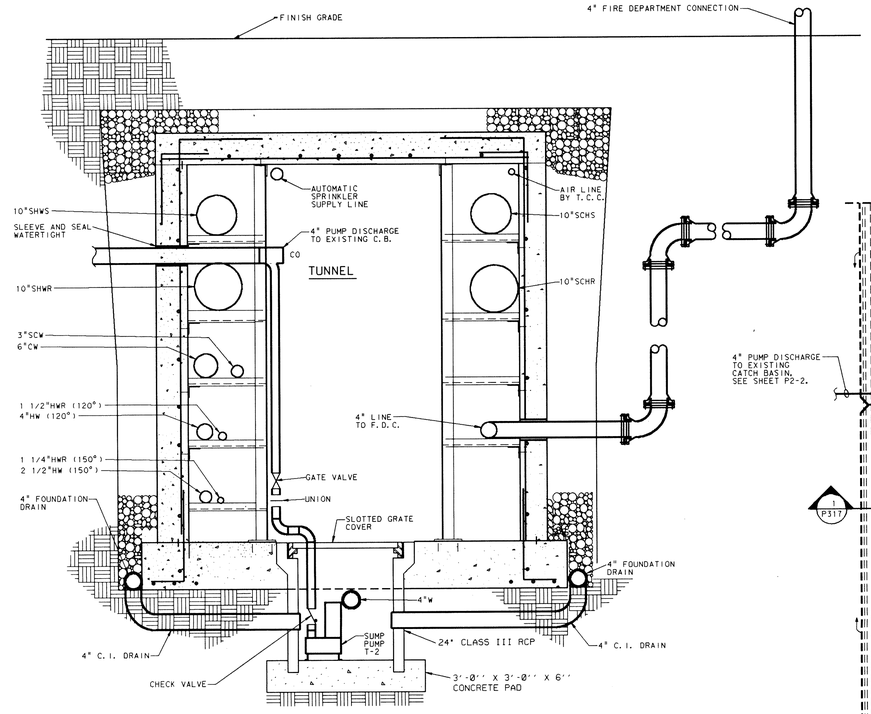
NO. P3-16
OF 17

Log. number SHEET
Ref. File: LCARDSOLDON
Levels: 1-63



MECHANICAL TUNNEL PARTIAL PLUMBING PLAN

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

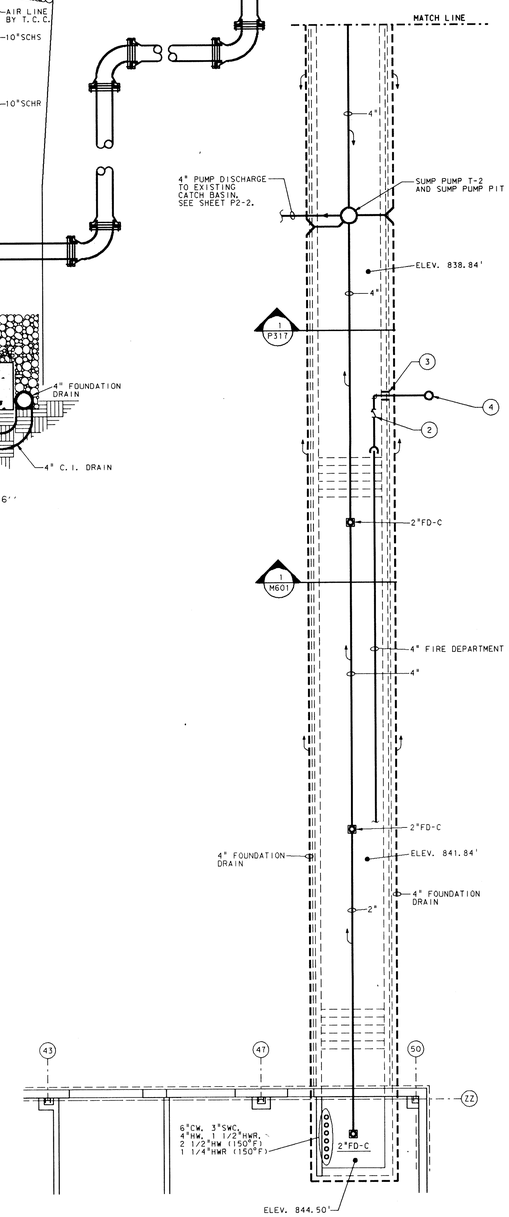


SECTION 1/P317

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

SUMP PUMP T-2
WEIL 2" DISCHARGE, SERIES 1600
SUBMERSIBLE SUMP PUMP,
1/2HP, 115V, SINGLE PHASE, 60HZ,
50 GPM AT 16 FT T.D.H.

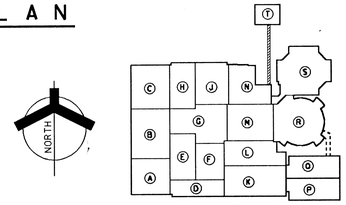
FURNISH AND INSTALL (3)
MERCURY FLOAT SWITCHES:
ONE FOR LOW LEVEL PUMP SHUTOFF,
ONE FOR PUMP ON,
AND ONE FOR HIGH WATER ALARM.



PARTIAL UNIT "N"

MECHANICAL TUNNEL PARTIAL PLUMBING PLAN

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



KEY PLAN
NOT TO SCALE

PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
2. 4" CHECK VALVE WITH 1/2" BALL DRIP.
3. PROVIDE 4" LINC-SEAL AND SLEEVE THRU WALL.
4. 4" UP TO FIRE DEPARTMENT CONNECTION. PROVIDE RETAINER GLANDS FOR ALL MECHANICAL JOINT FITTINGS.

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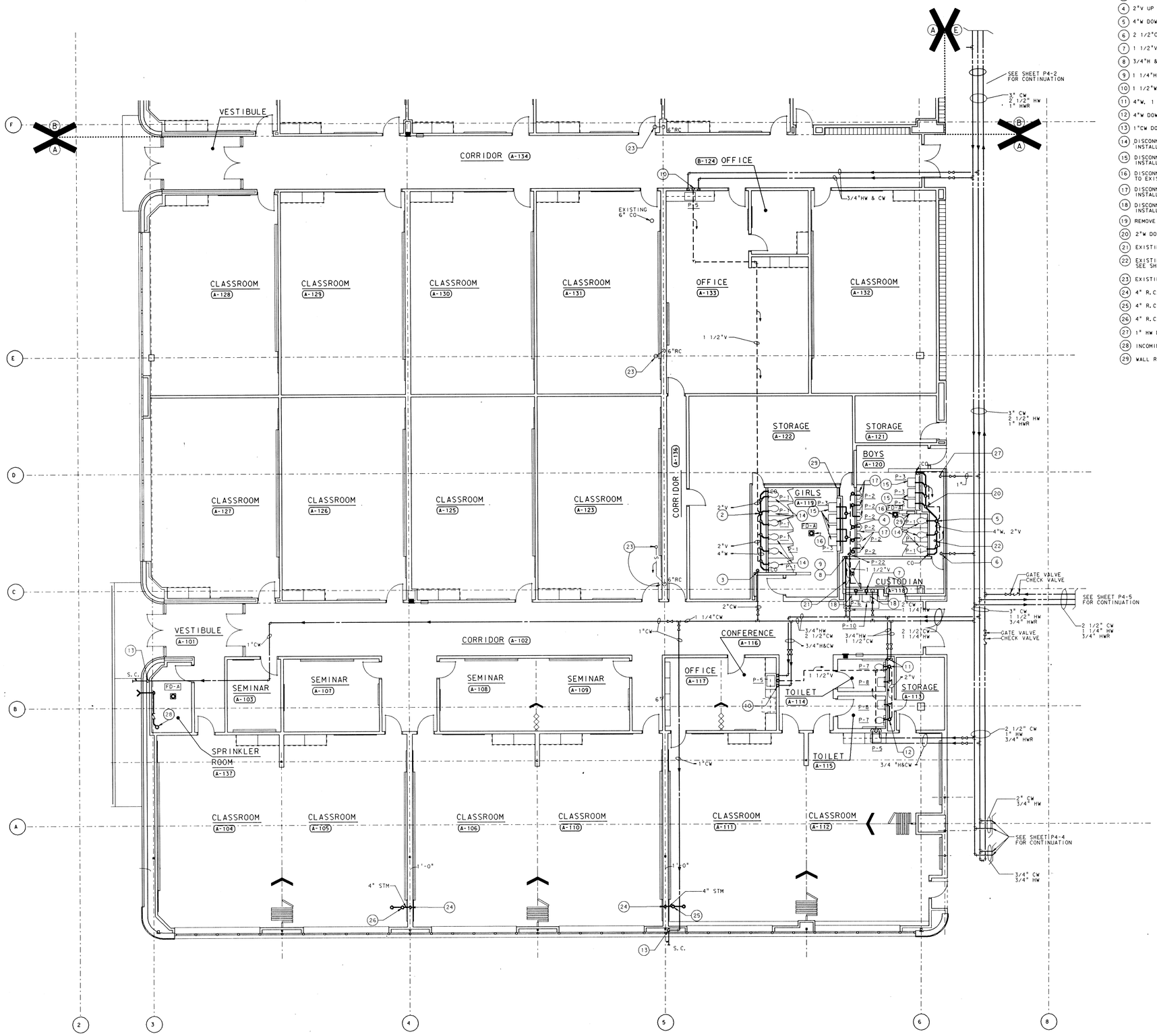
NO. P3-17
OF 17

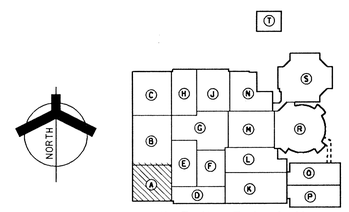


UNIT "A" PLUMBING FLOOR PLAN

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

PLAN NOTES

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. 4"W DOWN, 2"V UP, 3" VENT THRU ROOF.
3. 2"CW DOWN IN PIPE CHASE FOR WATER CLOSET
4. 2"V UP WITH 4" VENT THRU ROOF
5. 4"W DOWN, 2"V UP W/4" VENT THRU ROOF.
6. 2 1/2"CW DOWN IN CHASE FOR WC & LAV.
7. 1 1/2"V UP IN WALL, 1 1/2"W DOWN.
8. 3/4"H & CW DOWN IN CHASE TO NEW MOP SINK FAUCET, SEE SPECIFICATIONS
9. 1 1/4"HW AND 2"CW DOWN IN CHASE FOR LAV AND URINAL.
10. 1 1/2"W, 3/4"H & CW DOWN, 1 1/2"V UP.
11. 4"W, 1 1/4"CW & 3/4"HW DOWN, 2"V UP WITH 4" VENT THRU ROOF.
12. 4"W DOWN, 2"V UP.
13. 1"CW DOWN IN WALL FOR SILL COCK.
14. DISCONNECT AND REMOVE EXISTING WATER CLOSET, CLOSET CARRIER AND ALL RELATED PIPING. INSTALL NEW WASTE & VENT LINES, WATER LINES & WATER CLOSET AND CARRIER AS REQ'D.
15. DISCONNECT AND REMOVE EXISTING LAV. WASTE, VENT, CARRIER & WATER LINES. INSTALL NEW LAV. WASTE, VENT, CARRIER AND WATER LINES AS REQ'D.
16. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN. INSTALL NEW FLOOR DRAIN & CONNECT TO EXISTING WASTE LINE.
17. DISCONNECT AND REMOVE EXISTING URINAL, CARRIER, WASTE, VENT, & WATER LINES. INSTALL NEW URINAL, CARRIER, WASTE, VENT & WATER LINES AS REQ'D.
18. DISCONNECT AND REMOVE EXISTING WATER COOLER, CARRIER, WASTE, VENT & WATER PIPING INSTALL NEW WATER COOLER AS REQ'D.
19. REMOVE EXISTING FLOOR CLEANOUT. INSTALL NEW CLEANOUT AS REQ 'D.
20. 2"W DOWN, AND 2"W UP TO URINAL.
21. EXISTING MOP BASIN TO REMAIN. REPLACE FAUCET. SEE SPEC'S.
22. EXISTING 2"W UP TO PENTHOUSE UNIT "D" CONDENSATE DRAINS. FOR CONTINUATION SEE SHEET #P4-25.
23. EXISTING 6" R.C. TO EXISTING R.D. SHALL REMAIN.
24. 4" R.C. DOWN.
25. 4" R.C. UP TO ROOF DRAIN #25 W/ OVERFLOW RO.
26. 4" R.C. UP TO ROOF DRAIN #24 W/ OVERFLOW RO.
27. 1" HW DOWN IN CHASE TO LAV'S.
28. INCOMING SPRINKLER LINE WITH FIRE DEPARTMENT CONNECTION, SEE SHEET #P5-1.
29. WALL RECESSED SOAP DISPENSING TANK, SEE DETAIL P6-1.



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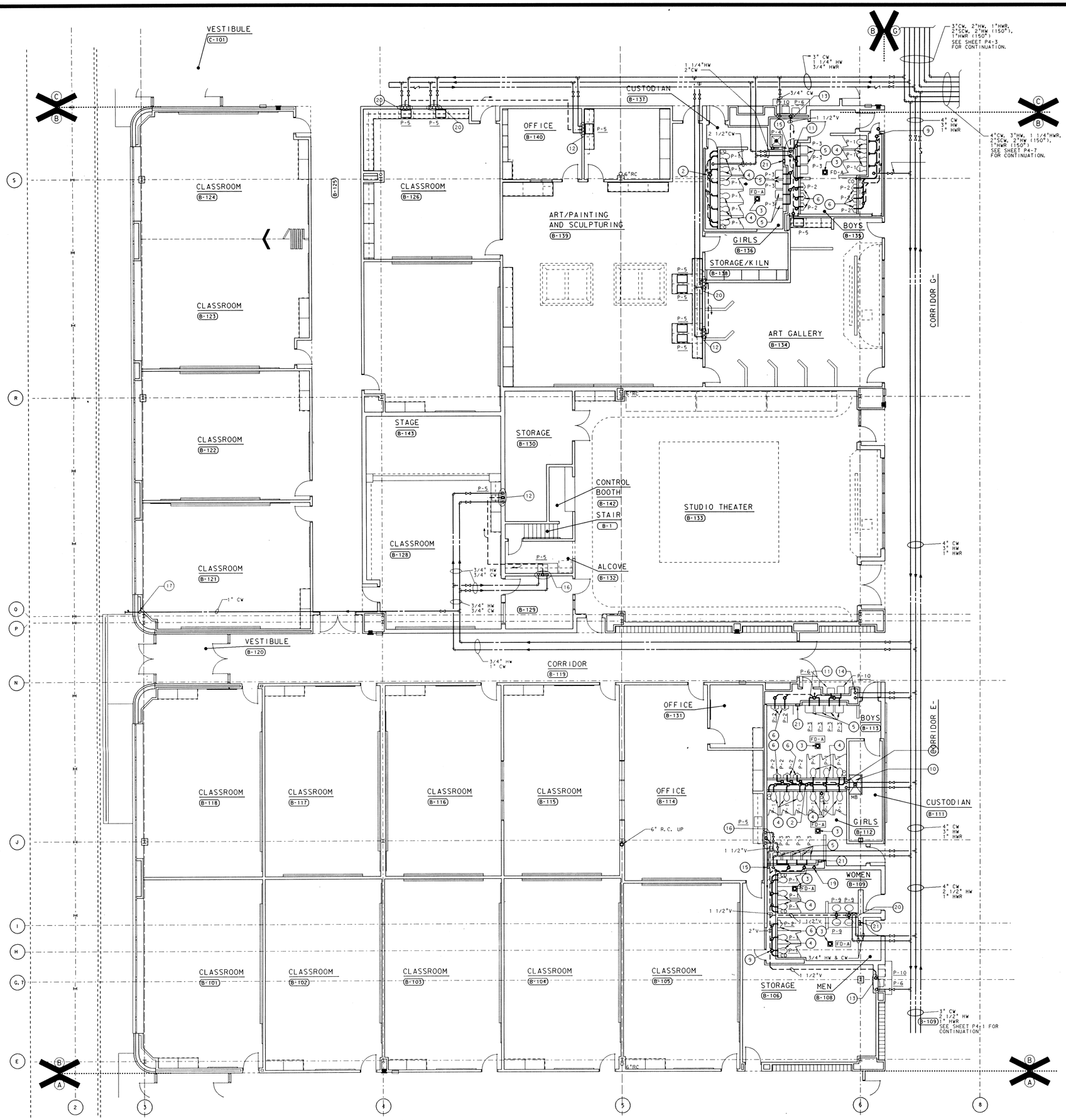
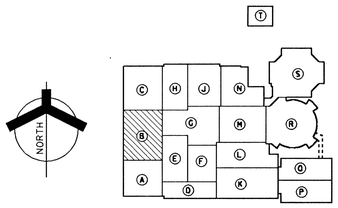


UNIT "B" PLUMBING FLOOR PLAN

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

PLAN NOTES

1. SEE SHEET M0-1 FOR GENREAL NOTES, LEGEND, SCHEDULES AND DETAILS.
2. 4"W DOWN, 3"V UP WITH 3" VENT THRU ROOF.
3. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN. INSTALL NEW FLOOR DRAIN AND CONNECT TO EXISTING WASTE LINE.
4. DISCONNECT AND REMOVE EXISTING WATER CLOSET, CLOSET CARRIER AND ALL RELATED PIPING. INSTALL NEW WASTE, VENT AND WATER LINES. NEW WATER CLOSET AND CARRIER AS REQ'D.
5. DISCONNECT AND REMOVE EXISTING LAVATORY, CARRIER, WASTE, VENT AND WATER PIPING. INSTALL NEW CARRIER AND ALL RELATED PIPING AS REQ'D.
6. DISCONNECT AND REMOVE EXISTING URINAL, CARRIER, WASTE, VENT, AND WATER PIPING. INSTALL NEW CARRIER AND ALL RELATED PIPING AS REQ'D.
7. DISCONNECT AND REMOVE EXISTING DRINKING FOUNTAIN AND ALL RELATED PIPING.
8. 3" COLD WATER, 3/4" HOT WATER DOWN IN CHASE.
9. 4"W DOWN, 2"V UP WITH 3" VENT THRU ROOF.
10. PROVIDE AND INSTALL NEW MOP SINK FAUCET AND CONNECT TO NEW WATER LINES. EXISTING MOP SINK TO REMAIN.
11. 2"W DOWN, 1 1/2"V UP WITH 3" VENT THRU ROOF.
12. 2"W, 3/4" HOT & COLD WATER DOWN, 1 1/2"V UP, WITH 3" VENT THRU ROOF.
13. 1 1/2"W, 3/4" COLD WATER DOWN, 1 1/2"V UP.
14. 1 1/2" COLD WATER AND 3/4" HOT WATER DOWN IN PIPE CHASE
15. 2" CW AND 1 1/4" HW DOWN IN PIPE CHASE.
16. 1 1/2" W, 3/4" HW & CW DOWN, 1 1/2" VENT UP.
17. 1" CW DOWN IN WALL TO SILL COCK.
18. 2 1/2" CW DOWN IN CHASE.
19. 3" UP TO PENTHOUSE #2, UNIT "E". SEE SHEET #P4-25 FOR CONTINUATION.
20. 1 1/2" W, 3'4" HW & CW DOWN, 1 1/2" VENT UP.
21. WALL RECESSED SOAP DISPENSING TANK, SEE DETAIL P6-1.



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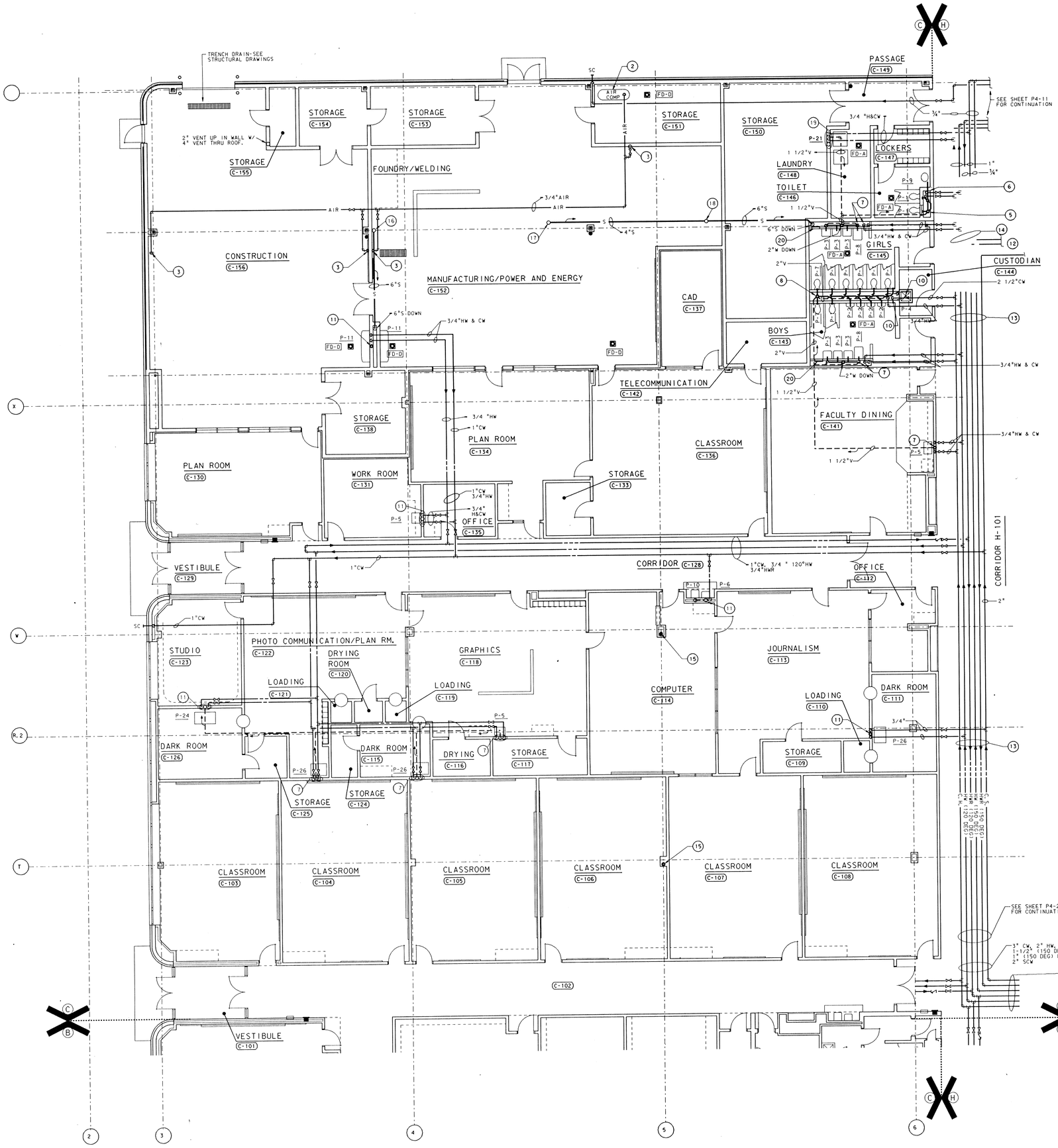

PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. AIR COMPRESSOR BY OWNER. CONNECTION BY MECHANICAL CONTRACTOR.
3. 1/2" COMPRESSED AIR DOWN AND TERMINATE IN QUICK COUPLER AT 42" ABOVE FINISHED FLOOR.
4. NEW MOP BASIN GETS 3" WASTE DOWN, 1 1/2" VENT UP, AND 3/4" CW & HW.
5. 4" SOIL DOWN, 2" VENT UP WITH 3" VENT THRU ROOF.
6. 1-1/2" CW, 3/4" HW, 4" W. & 2" V DOWN IN CHASE.
7. 1 1/2"WASTE, 3/4"HW & CW DOWN, 1 1/2"V UP.
8. 4" SOIL DOWN, 3" VENT UP AND THRU ROOF.
9. 2" WASTE DOWN, 1 1/2" VENT UP.
10. 2 1/2"CW AND 3/4"HW DOWN.
11. 1 1/2"WASTE, 3/4"HW & CW DOWN, 1 1/2"V UP WITH 3" VENT THRU ROOF.
12. SEE SHEET P4-11 FOR CONTINUATION.
13. 3"CW, 2"HW, 3/4"HWR, 1 1/4" (150 DEG)HW, 1 1/2"SCW, 3/4" (150 DEG) HWR.
14. 1 1/2 "CW, 1"HW AND 3/4 "HWR, 1" HW (150) 3/4 " HWR (150)
15. EXISTING 6" RAIN CONDUIT SHALL REMAIN.
16. 6"RC UP TO RD #1.
17. 4"RC UP TO RD #2.
18. 6"RC UP TO RD #5.
19. 2"WASTE, 3/4"150°HW, 3/4" COLD SOFT DOWN, 1 1/2"V UP.
20. WALL RECESSED SOAP DISPENSING TANK. SEE DETAIL P6-1.

UNIT "C" PLUMBING FLOOR PLAN

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

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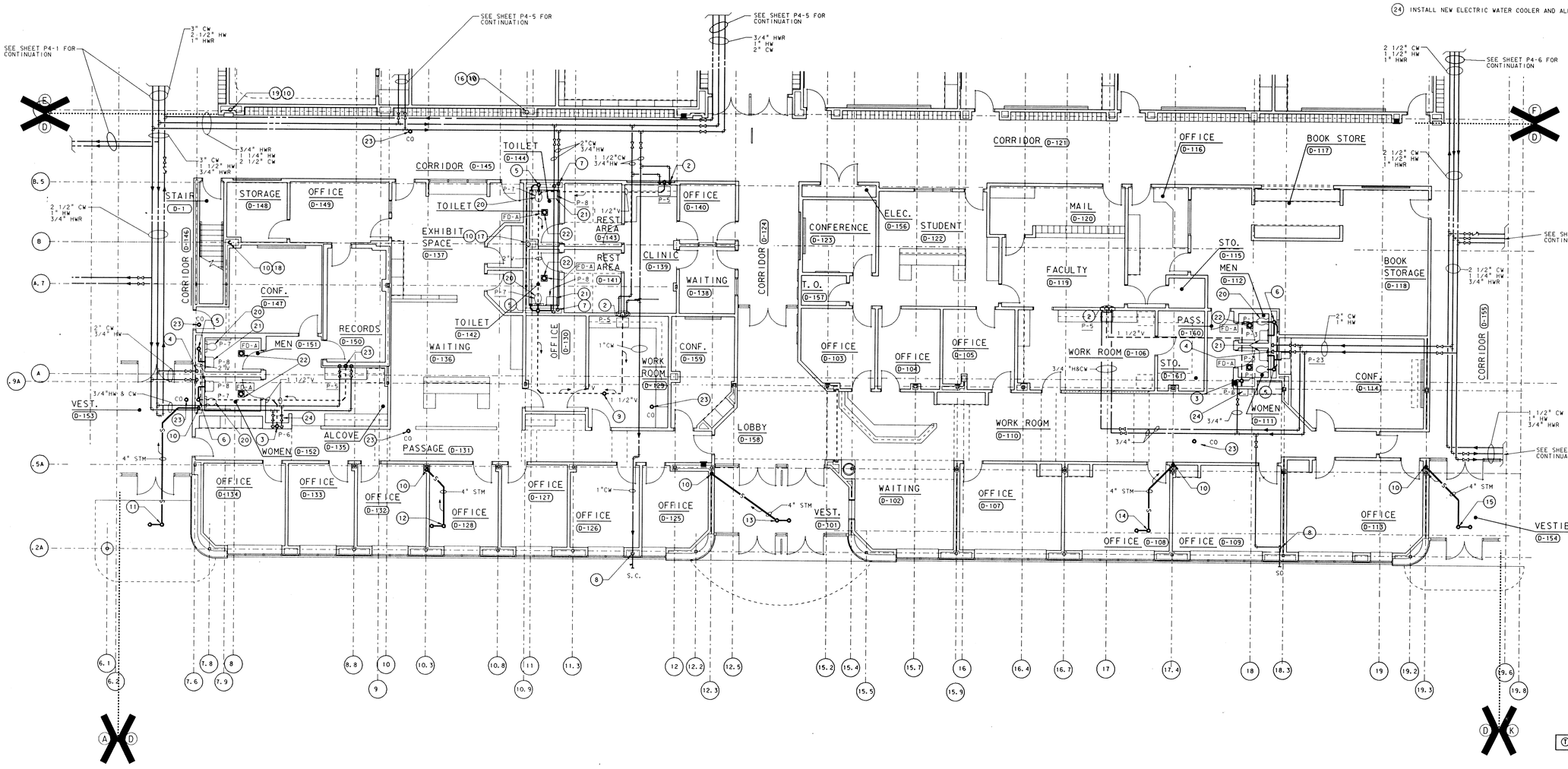
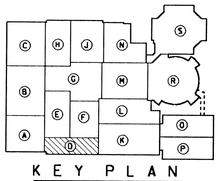
PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. 1 1/2"W, 1/2"HW & CW DOWN, 1 1/2"V UP.
3. 1 1/2"W, 1/2"CW DOWN, 1 1/2"V UP.
4. 2"CW & 3/4"HW DOWN
5. 4"W DOWN, 2"V UP.
6. 4"W DOWN, 2"V UP WITH 3" VENT THRU ROOF.
7. 1 1/4"CW & 1/2"HW DOWN
8. 1"CW DOWN
9. 2"V UP WITH 3" VENT THRU ROOF.
10. 4" STORM LEADER DOWN
11. 4" R.C. UP TO RD #26 W/ OVERFLOW RD.
12. 4" R.C. UP TO RD #27 W/ OVERFLOW RD.
13. 4" R.C. UP TO RD #28 W/ OVERFLOW RD.
14. 4" R.C. UP TO RD #29 W/ OVERFLOW RD.
15. 4" R.C. UP TO RD #30 W/ OVERFLOW RD.
16. 4" R.C. UP TO RD #31 W/ OVERFLOW RD, IN UNIT "D" PENTHOUSE = 1
17. 4" R.C. UP TO RD #32 W/ OVERFLOW RD, IN UNIT "D" PENTHOUSE = 1
18. 4" R.C. UP TO RD #33 W/ OVERFLOW RD, IN UNIT "D" PENTHOUSE = 1
19. 4" R.C. UP TO RD #34 W/ OVERFLOW RD, IN UNIT "D" PENTHOUSE = 1
20. INSTALL NEW WATER CLOSET, CARRIER AND ALL RELATED PIPING.
21. INSTALL NEW LAVATORY, CARRIER AND ALL RELATED PIPING.
22. INSTALL NEW FLOOR DRAIN.
23. INSTALL NEW FLOOR CLEANOUT.
24. INSTALL NEW ELECTRIC WATER COOLER AND ALL RELATED PIPING.



UNIT "D" PLUMBING FLOOR PLAN

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



KEY PLAN

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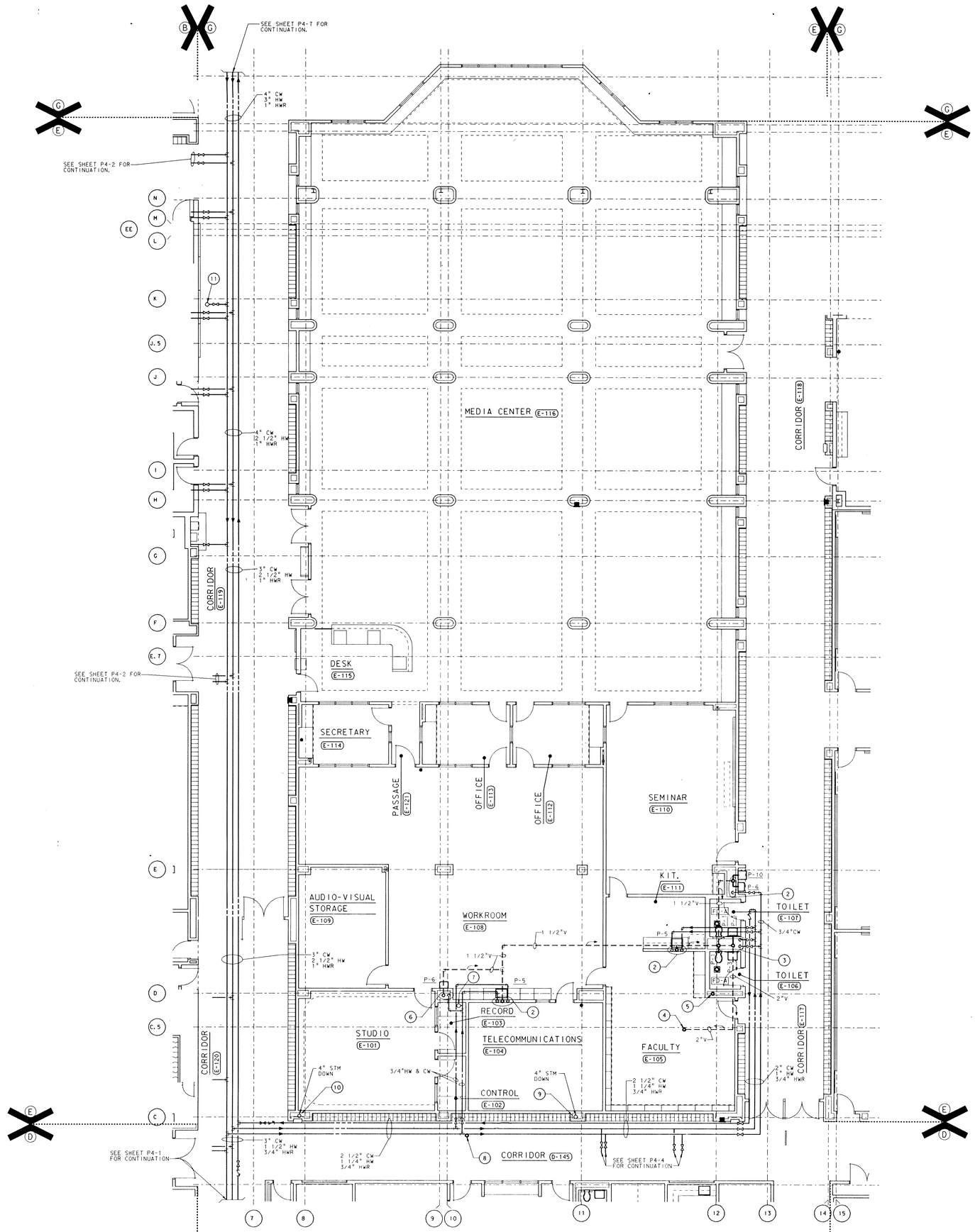
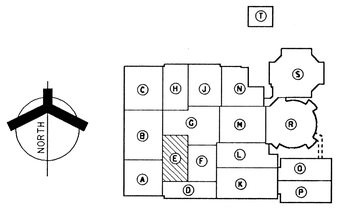


UNIT "E" PLUMBING FLOOR PLAN

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

PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. 1 1/2" WASTE, 3/4" HW & CW DOWN, 1 1/2" VENT UP.
3. 4"W, 2"W, 1 1/2"CW & 3/4"HW DOWN, 2"V UP.
4. 2" VENT UP WITH 4" VENT THRU ROOF.
5. 3" WASTE UP FOR UNIT "D" PENTHOUSE. SEE SHEET P4-25 FOR CONTINUATION.
6. 1 1/2"W, 1/2"CW DOWN, 1 1/2"V UP.
7. ¾" CW UP TO UNIT "D" PENTHOUSE #1.
8. INSTALL NEW CLEANOUT AS REQUIRED.
9. 4" R.C. UP TO RD #31 W/ OVERFLOW RD. IN UNIT "D" PENTHOUSE # 1.
10. 4" R.C. UP TO RD #34 W/ OVERFLOW RD. IN UNIT "D" PENTHOUSE # 1.
11. ¾" COLD WATER UP TO UNIT "E" PENTHOUSE # 2.



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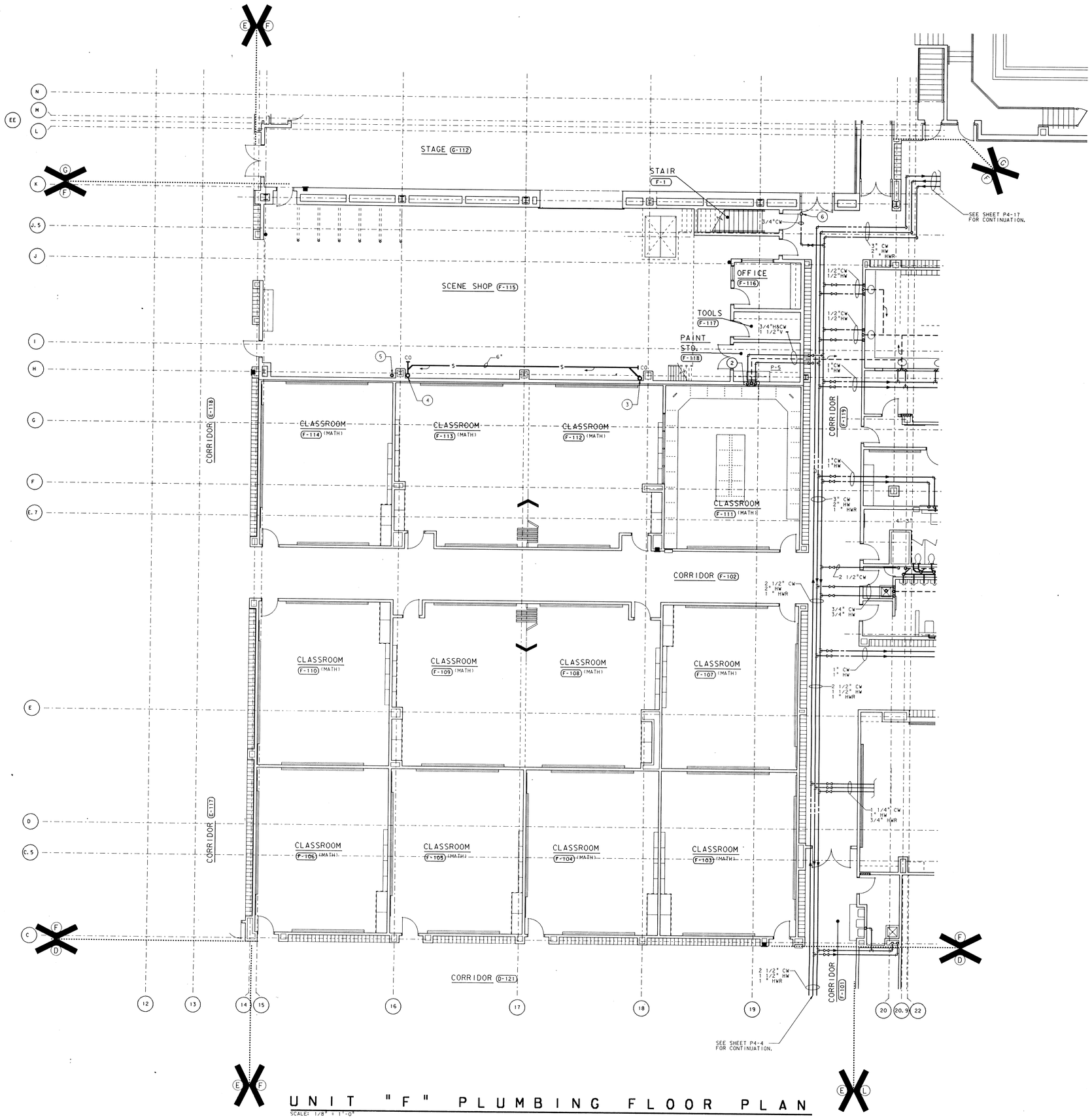
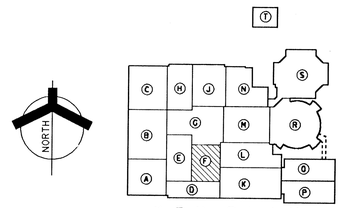


UNIT "F" PLUMBING FLOOR PLAN

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

PLAN NOTES

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. 1 1/2"W, 3/4"HW &CW DOWN, 1 1/2"V UP.
3. 6" R.C. UP
4. 6" R.C. UP, 8" R.C. DOWN
5. 3"W DOWN, 2"V UP, SEE SHEET #P4-26 FOR CONTINUATION OF UNIT "F" PENTHOUSE #7.
6. 3/4"CW UP, SEE SHEET #P4-26 FOR CONTINUATION OF UNIT "F" PENTHOUSE #7.



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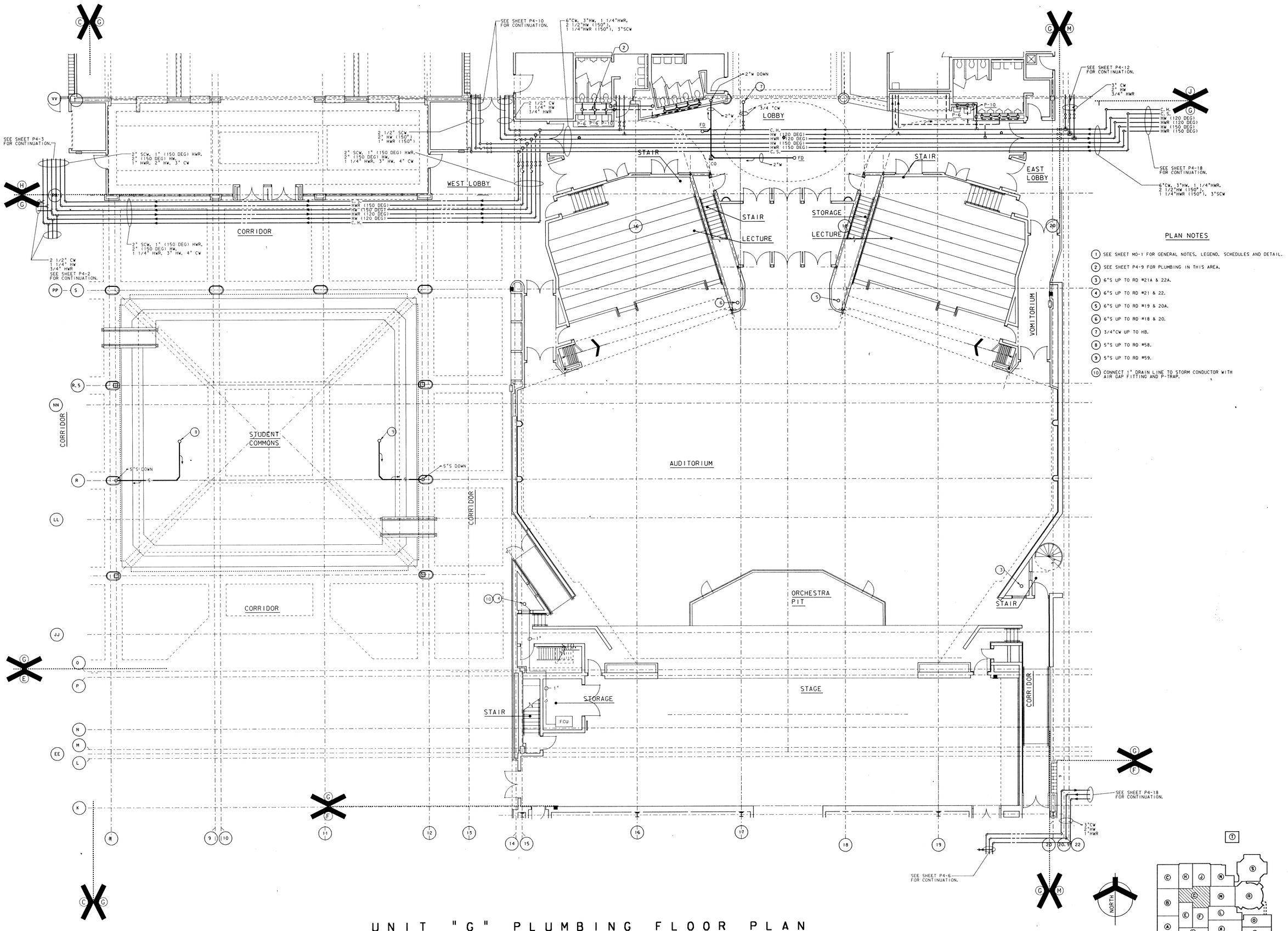

PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. SEE SHEET P4-9 FOR PLUMBING IN THIS AREA.
3. 6"S UP TO RD #21A & 22A.
4. 6"S UP TO RD #21 & 22.
5. 6"S UP TO RD #19 & 20A.
6. 6"S UP TO RD #18 & 20.
7. 3/4"CW UP TO HB.
8. 5"S UP TO RD #58.
9. 5"S UP TO RD #59.
10. CONNECT 1" DRAIN LINE TO STORM CONDUCTOR WITH AIR GAP FITTING AND P-TRAP.

UNIT "G" PLUMBING FLOOR PLAN

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

KEY PLAN

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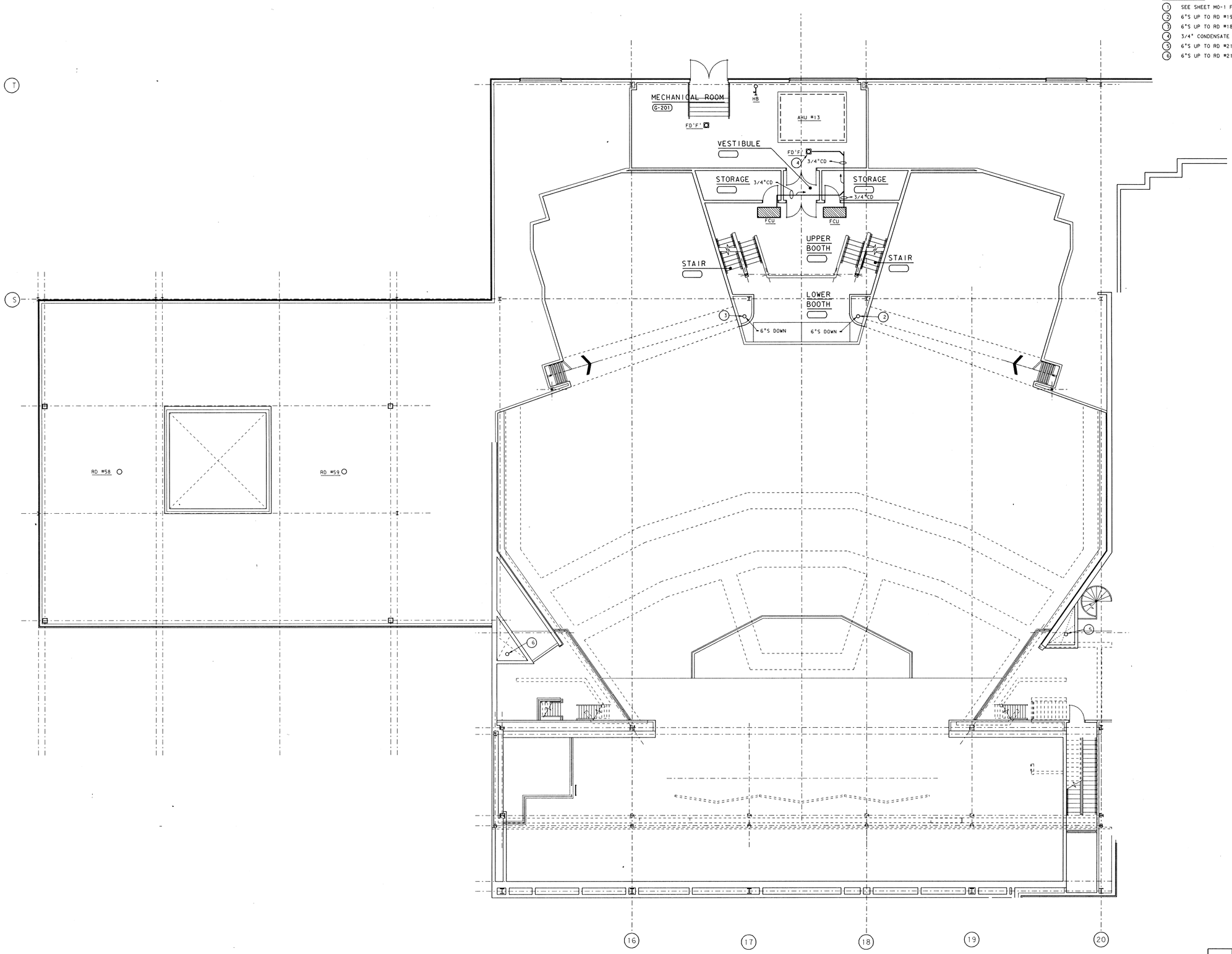
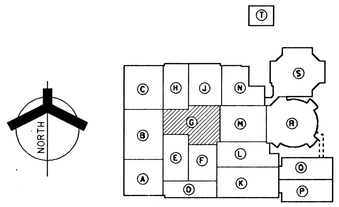
PLAN NOTES:

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
2. 6"S UP TO RD #19 & 20A.
3. 6"S UP TO RD #18 & 20.
4. 3/4" CONDENSATE DRAIN DOWN TO FLOOR DRAIN.
5. 6"S UP TO RD #21A & 22A.
6. 6"S UP TO RD #21 & 22.



UNIT "G" PLUMBING SECOND FLOOR PLAN

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



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PROFESSIONAL ENGINEER

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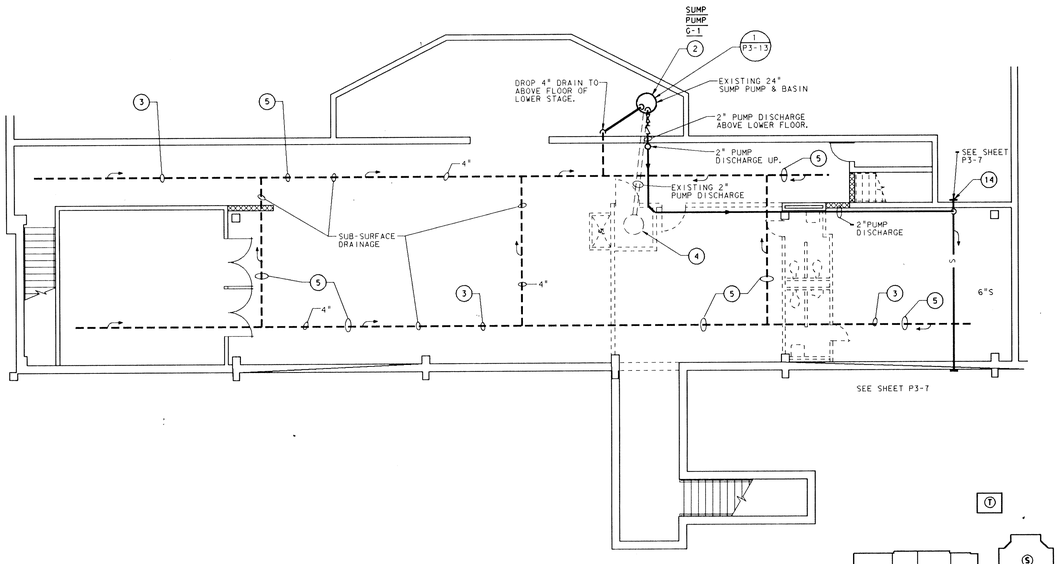
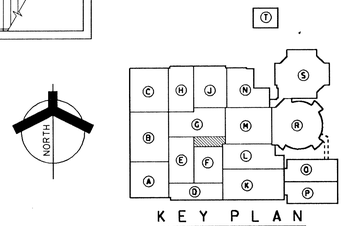
PLAN NOTES

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
2. **SUMP PUMP G-1** SHALL BE WEIL OR EQUAL, 1 1/4 " SERIES 1400. MOTOR DATA: 1/3HP, 115V, 1PH, 60HZ. PUMP DATA: 10 GPM AT 24 FT. TDH.
3. SLOPE SUB SURFACE DRAINAGE PIPE AT 1/16" PER FT.
4. EXISTING SEWAGE EJECTOR SHALL BE REMOVED.
5. FLOOR SHALL BE CUT & REMOVED BY MECHANICAL CONTRACTOR FOR INSTALLATION OF SUB-SURFACE DRAINS. FLOOR REPAIR BY GENERAL CONTRACTOR.
6. 6"RC UP TO RD #18.
7. 6"RC UP TO RD #20.
8. 6"RC UP TO RD #19.
9. 6"RC UP TO RD #20A.
10. 6"RC UP TO RD #21.
11. 6"RC UP TO RD #22.
12. 6"RC UP TO RD #21A.
13. 6"RC UP TO RD #22A.
14. CONNECT NEW 2"PUMP DISCHARGE TO NEW 6"S.



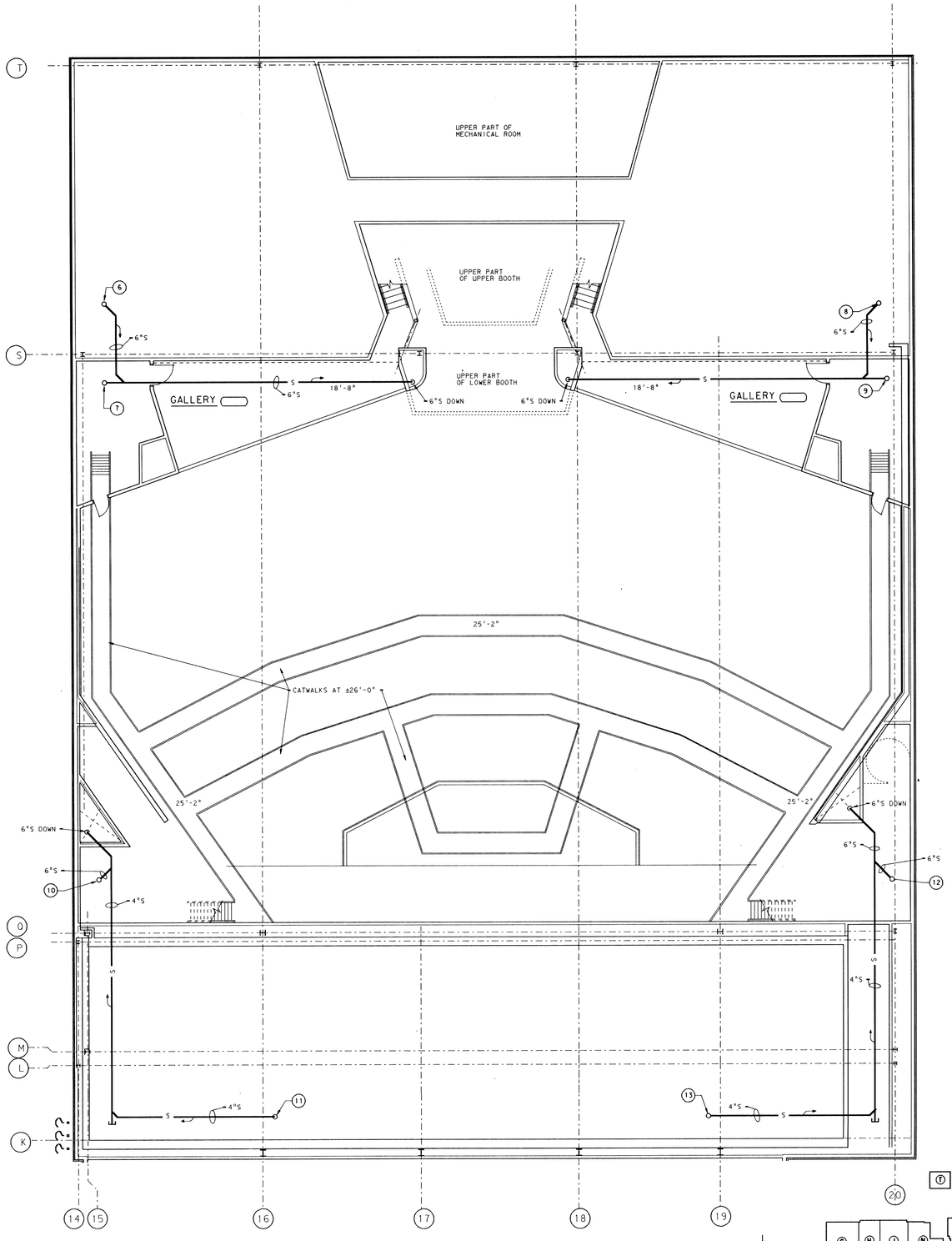
UNIT "G" LOWER STAGE PLUMBING FLOOR PLAN

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



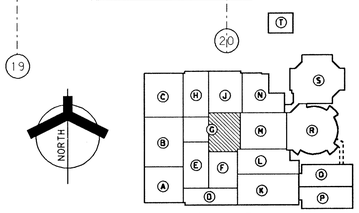
KEY PLAN

NOT TO SCALE



UNIT "G" THIRD FLOOR PLAN

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



KEY PLAN

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ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL

for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

MARION COUNTY, INDIANA

EVERETT I. BROWN Company
Architects & Engineers
950 NORTH MERIDIAN STREET
INDIANAPOLIS, INDIANA 46204
(317) 237-1000

SCOTT R. BROWN REGISTERED NO. 20912 STATE OF INDIANA PROFESSIONAL ENGINEER

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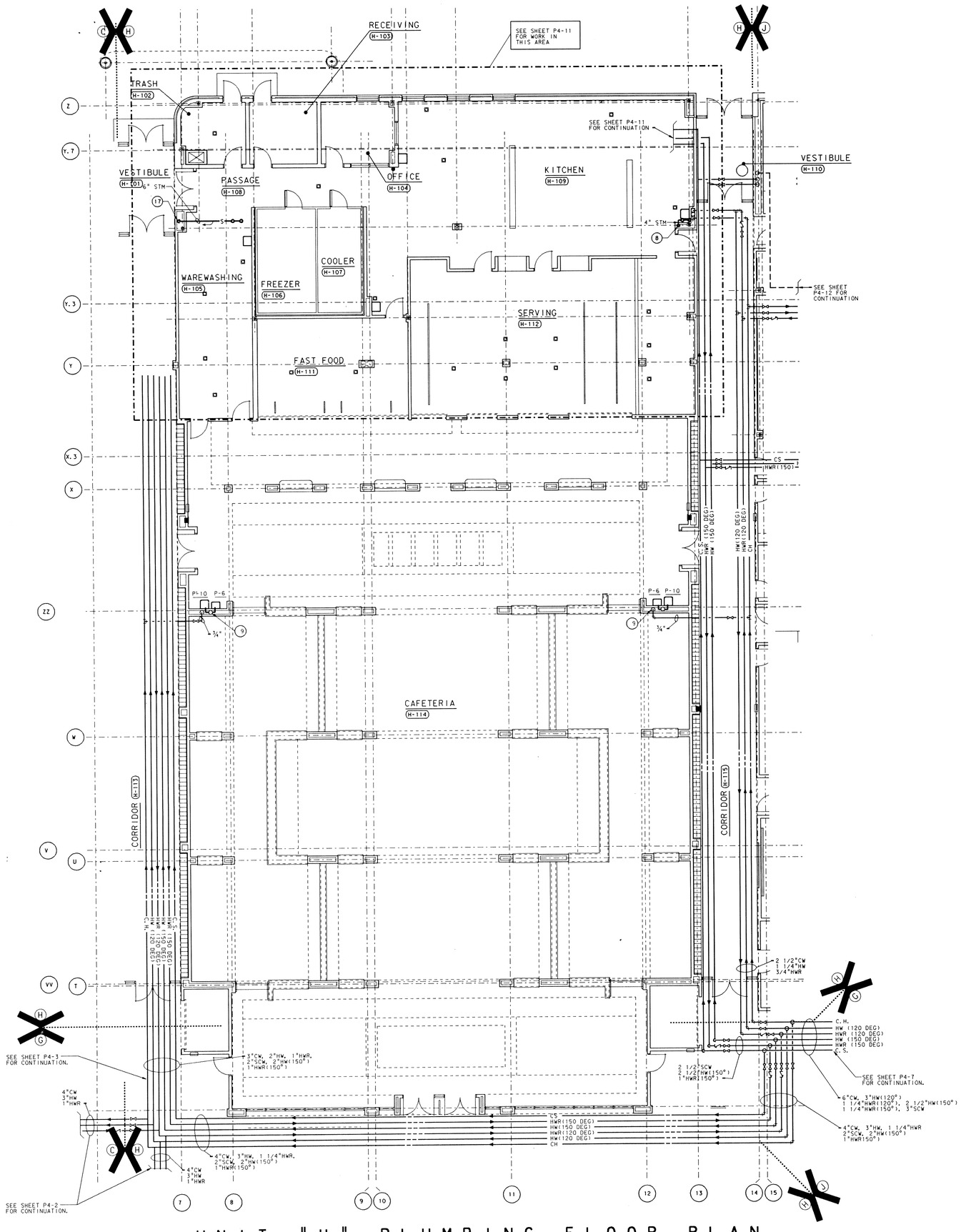
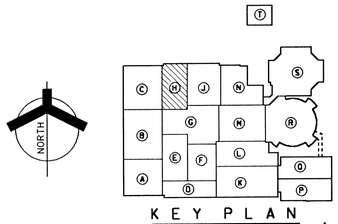


UNIT "H" PLUMBING FLOOR PLAN

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

PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
2. SEE SHEET P4-3 FOR CONTINUATION.
3. 3/4" COLD SOFT & 150 DEG. HW.
4. 3/4" 120 DEG. HW & 3/4" CW
5. 1 1/2" CW
6. 2 1/2" COLD HARD & 3/4" 150 DEG. HW
7. 6" R.C. FROM RD #6.
8. 4" R.C. FROM RD #7.
9. 3/4"CW DROP, 2"W DOWN, 1 1/2"V UP, 3" VENT THRU ROOF.



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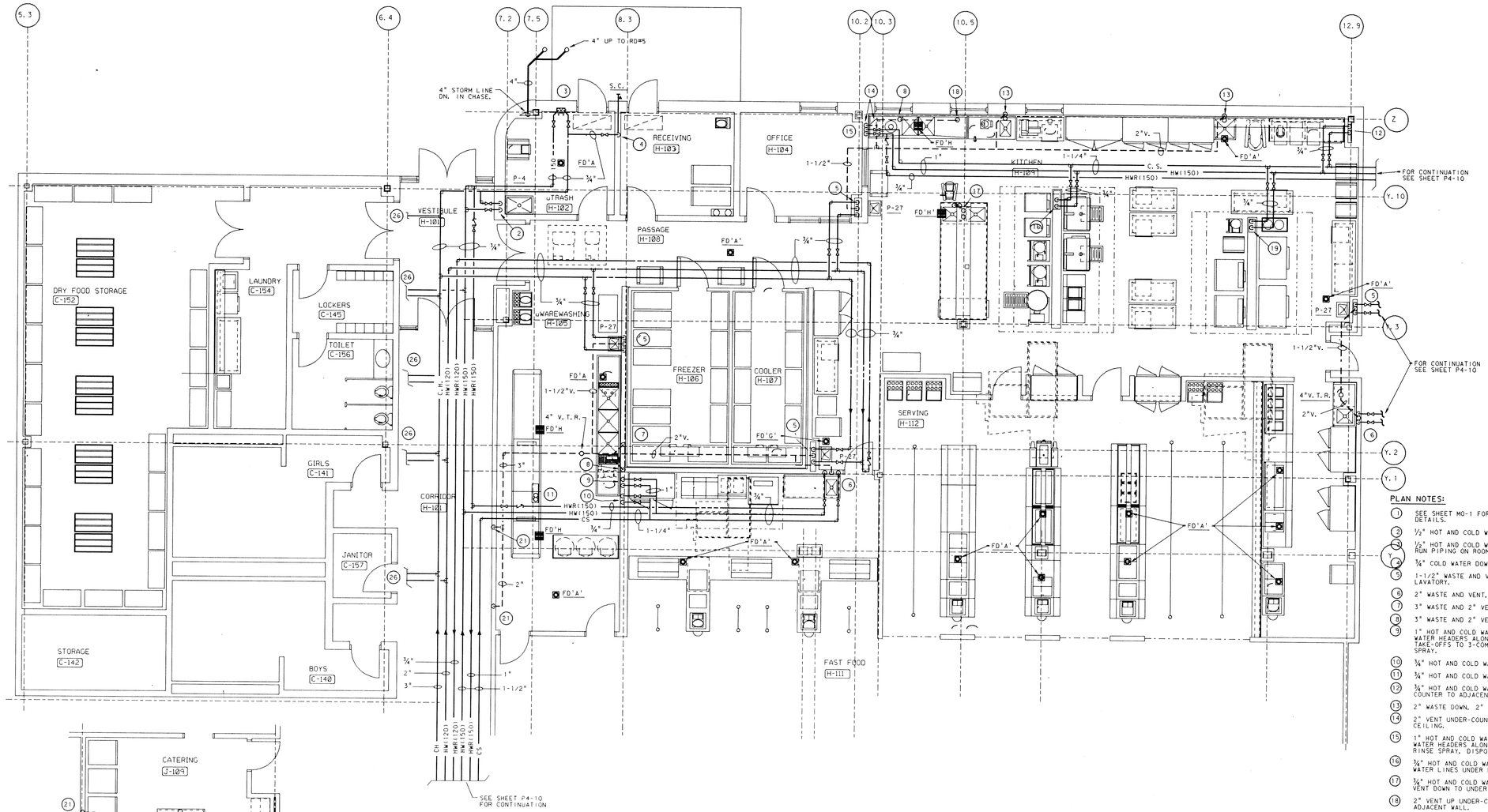
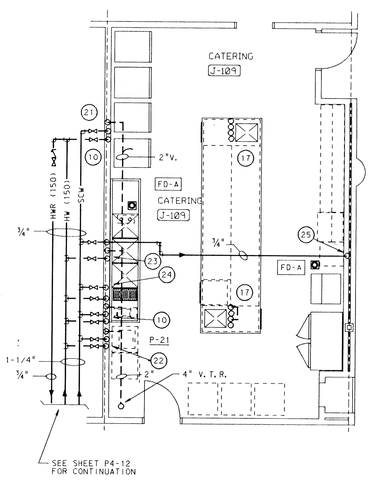


UNIT "H" PLUMBING KITCHEN FLOOR PLAN

SCALE: 3/16" = 1'-0"

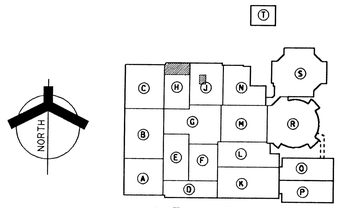


UNIT "J" PLUMBING PARTIAL FLOOR PLAN

SCALE: 3/16" = 1'-0"

PLAN NOTES:

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAILS.
2. ½" HOT AND COLD WATER DOWN IN WALL TO MOP BASIN.
3. ½" HOT AND COLD WATER DOWN IN WALL TO MIXING VALVE HOSE BIBB RUN PIPING ON ROOM SIDE OF INSULATION.
4. ¾" COLD WATER DOWN IN WALL TO SILL COCK.
5. 1-1/2" WASTE AND VENT. ½" HOT AND COLD WATER DOWN IN WALL TO LAVATORY.
6. 2" WASTE AND VENT. ½" HOT AND COLD WATER DOWN IN WALL TO SINK
7. 3" WASTE AND 2" VENT TO 3-COMPARTMENT SINK.
8. 3" WASTE AND 2" VENT TO DISPOSER.
9. 1" HOT AND COLD WATER DOWN IN WALL TO UNDER-COUNTER. PIPE WATER HEADERS ALONG WALL UNDER-COUNTER WITH ¾" BRANCH TAKE-OFFS TO 3-COMPARTMENT SINK, DISPOSER AND PRE-RINSE SPRAY.
10. ¾" HOT AND COLD WATER DOWN IN WALL TO UNDER FLOOR.
11. ¾" HOT AND COLD WATER UP TO DISHMACHINE
12. ¾" HOT AND COLD WATER DOWN IN CHASE. PIPE WATER LINES UNDER-COUNTER TO ADJACENT SINK.
13. 2" WASTE DOWN. 2" VENT UP IN WALL TO ABOVE CEILING.
14. 2" VENT UNDER-COUNTER TO WALL. THEN PIPE UP IN WALL TO ABOVE CEILING.
15. 1" HOT AND COLD WATER DOWN IN WALL TO UNDER-COUNTER. PIPE WATER HEADERS ALONG WALL WITH ¾" BRANCH TAKE-OFFS TO PRE-RINSE SPRAY, DISPOSER, VEGETABLE SINK AND WORK SINKS.
16. ¾" HOT AND COLD WATER DOWN IN CHASE TO STEAMER/KETTLE AND ¾" WATER LINES UNDER FLOOR TO ADJACENT WORK SINKS.
17. ¾" HOT AND COLD WATER UP TO WORK SINKS. 2" WASTE WITH LOOP VENT DOWN TO UNDER FLOOR.
18. 2" VENT UP UNDER-COUNTER. RUN HORIZONTAL UNDER-COUNTER TO ADJACENT WALL.
19. ½" HOT AND COLD WATER DOWN IN CHASE TO KETTLE FAUCET.
20. SEE ARCHITECTURAL KITCHEN EQUIPMENT PLANS FOR EQUIPMENT LOCATION AND DESIGNATION
21. 2" VENT UP IN WALL FROM UNDER FLOOR.
22. 2" WASTE, 1-1/2" VENT, ¾" HOT AND COLD WATER DOWN IN WALL TO SERVICE BOX.
23. 3" WASTE, 2" VENT, ¾" HOT AND COLD WATER DOWN IN WALL TO 3-COMPARTMENT SINK.
24. 3" WASTE, 2" VENT, ¾" HOT AND COLD WATER DOWN IN WALL TO DISPOSER AND PRE-RINSE SPRAY.
25. ¾" COLD WATER DOWN IN WALL TO ICE MACHINE.
26. SEE SHEET P4-3 FOR CONTINUATION.



KEY PLAN

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for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

MARION COUNTY, INDIANA

EVERETT I. BROWN Company
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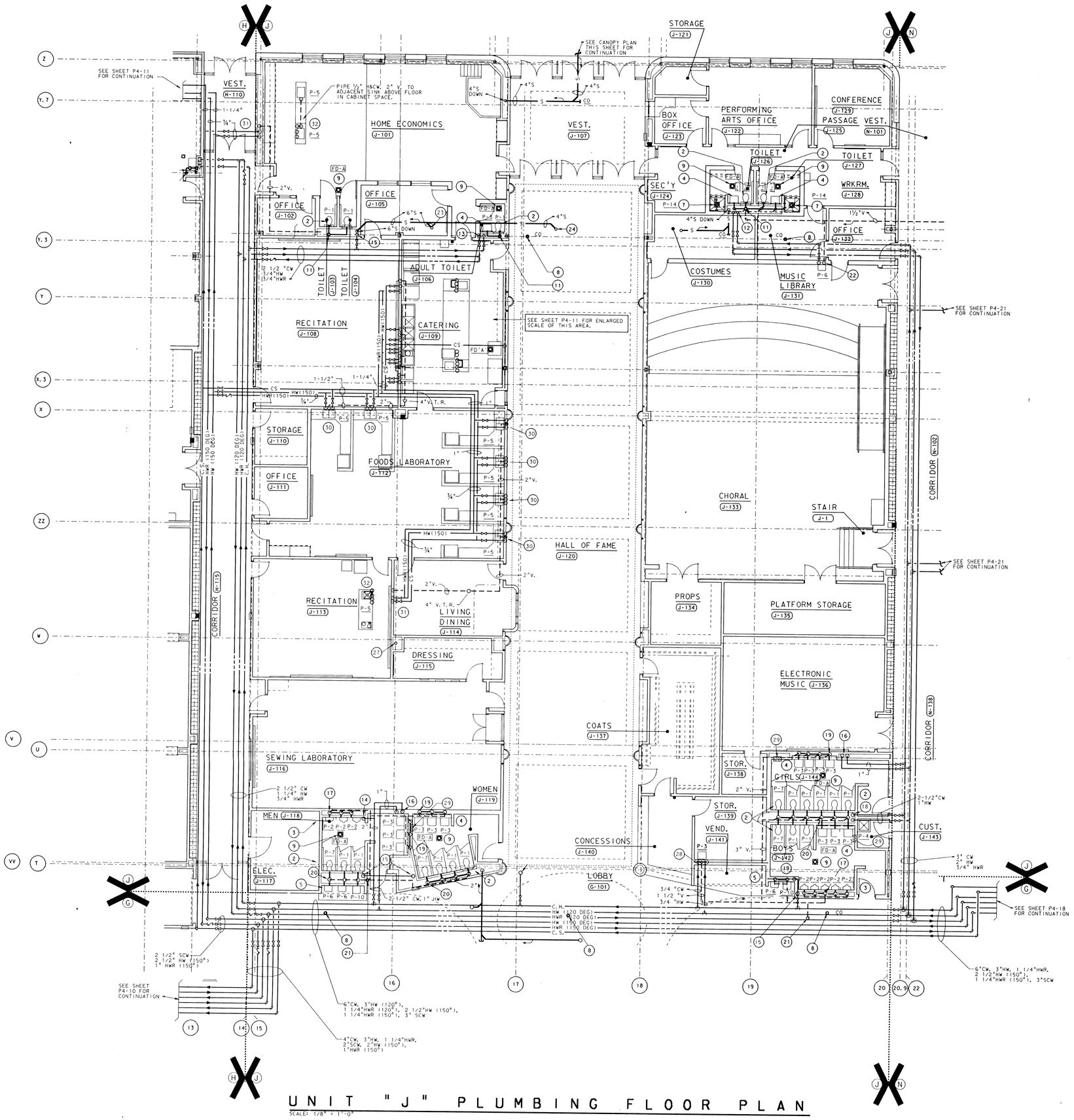
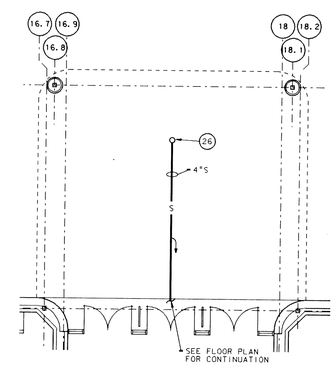


UNIT "J" PLUMBING FLOOR PLAN

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

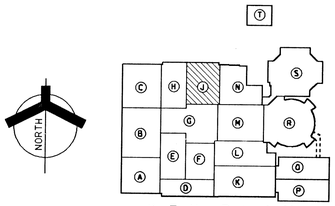
PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. INSTALL NEW WATER CLOSET, CARRIER, WASTE, VENT AND ALL RELATED PIPING.
3. INSTALL NEW URINAL, CARRIER, WASTE, VENT, AND ALL RELATED PIPING.
4. INSTALL NEW LAVATORY, CARRIER, WASTE, VENT, AND ALL RELATED PIPING.
5. INSTALL NEW DRINKING FOUNTAIN, WASTE, VENT, AND PIPING.
6. INSTALL NEW SERVICE SINK, CARRIER, WASTE, VENT AND ALL RELATED PIPING.
7. INSTALL NEW SHOWER, WASTE, VENT, AND ALL RELATED PIPING.
8. INSTALL NEW CLEANOUT.
9. INSTALL NEW FLOOR DRAIN.
10. DISCONNECT AND REMOVE EXISTING CLEANOUT. INSTALL NEW CLEANOUT AS REQ'D.
11. 4"W DOWN, 2"V UP, WITH 4" VENT THRU ROOF
12. 2" CW AND 1" HW DOWN IN CHASE.
13. 1 1/2" CW AND 3/4" HW DOWN.
14. 1 1/2"CW DOWN IN CHASE.
15. 2" CW DOWN IN CHASE.
16. 1" CW AND HW DOWN IN CHASE.
17. 3"W DOWN, 1 1/2"V UP
18. 2-1/2" CW AND 1" HW DOWN IN CHASE.
19. 2"W DOWN, 1 1/2"V UP.
20. 4"W DOWN, 2"V UP
21. CONNECT NEW 3" BRANCH VENT TO EXISTING 4" VENT THRU ROOF.
22. 3/4"CW DROP, 2"W DOWN, 1 1/2"V RISE.
23. 6" R.C. UP TO RD #8
24. 4" R.C. UP TO RD #9
25. 6" R.C. UP TO RD #10
26. 4" R.C. UP TO RD #11
27. EXISTING R.C. SHALL REMAIN.
28. 2"W, 3/4"HW & CW DOWN, 1 1/2"V UP.
29. WALL RECESSED SOAP DISPENSER - SEE DETAIL SHEET P6-1
30. 1-1/2" WASTE AND VENT, 1/2" HOT AND COLD WATER DOWN IN WALL TO SINK.
31. 2" VENT AND 3/4" HOT AND COLD WATER DOWN IN WALL TO UNDER FLOOR.
32. 3/4" HOT AND COLD WATER AND 2" WASTE AND VENT (LOOP VENT) UP FROM UNDER FLOOR TO ISLAND SINK.



UNIT "J' CANOPY PLAN

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



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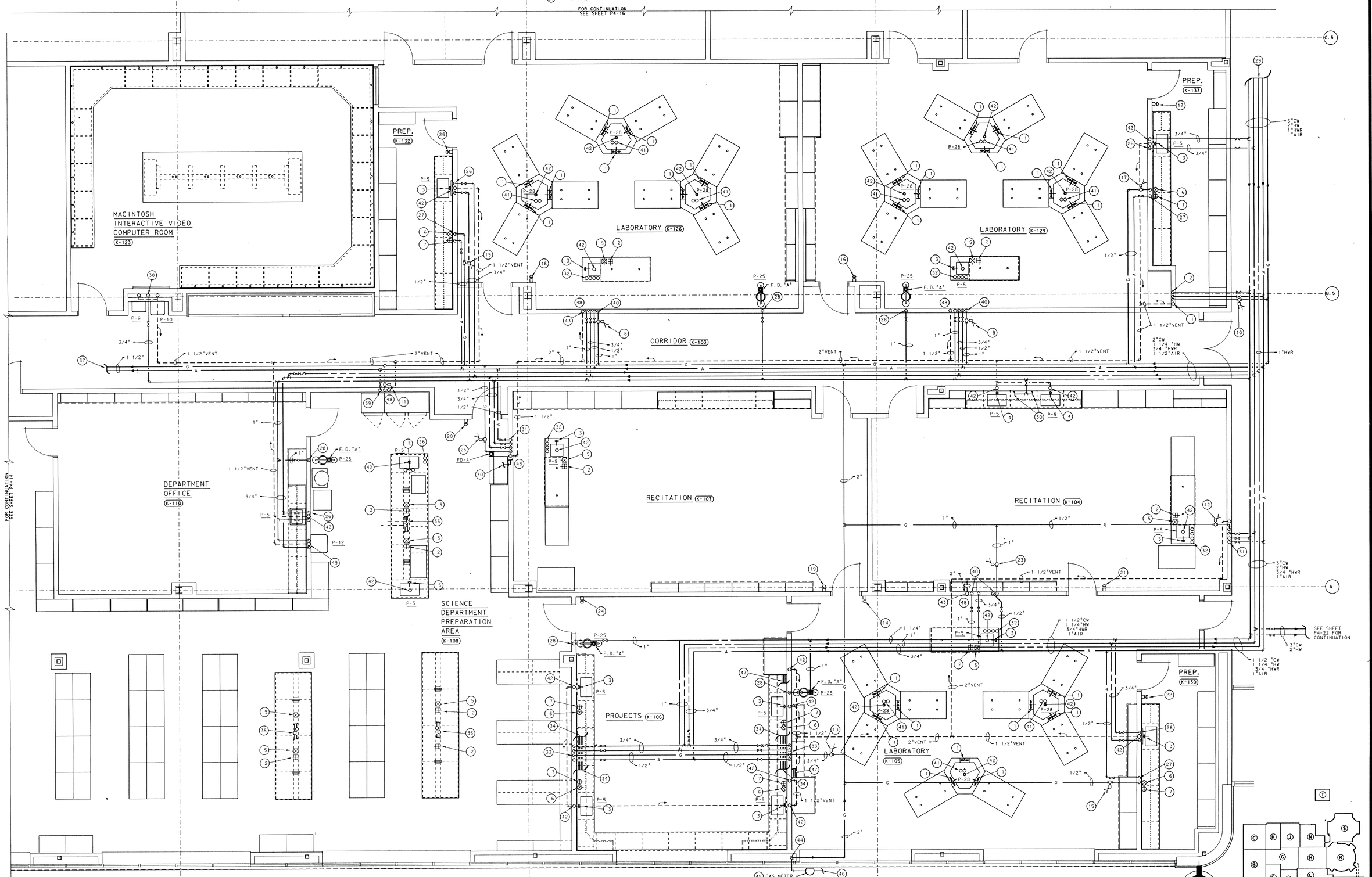
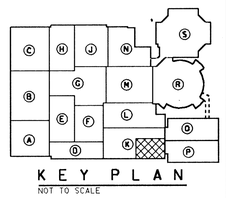
PLAN NOTES:

1. COLD WATER GOOSENECK WITH 2-SINGLE GAS COCKS.
2. SINGLE AIR COCK - PEDESTAL TYPE.
3. HOT AND COLD WATER GOOSENECK.
4. COLD WATER GOOSENECK.
5. SINGLE GAS COCK - PEDESTAL TYPE.
6. SINGLE GAS COCK - VERTICAL MOUNT TYPE.
7. SINGLE AIR COCK - VERTICAL MOUNT TYPE.
8. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-126.
9. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-129.
10. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-133.
11. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-108.
12. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-104.
13. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-106.
14. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-105.
15. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-130.
16. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-129.
17. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-133.
18. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-126.
19. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-107.
20. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-108.
21. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-104.
22. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-130.
23. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-105.
24. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-106.
25. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-107.
26. 3/4"HW, 3/4"CW DOWN IN WALL TO SINK.
27. 1/2"GAS, 1/2"AIR DOWN IN WALL TO AIR & GAS COCK.
28. 1"CW DOWN IN WALL TO SAFETY SHOWER.
29. FOR CONTINUATION SEE SHEET P4-16.
30. 3/4"CW TO SINKS.
31. 1/2"GAS, 1/2"AIR, 3/4"HW, 3/4"CW DOWN INWALL. FOR CONTINUATION SEE SHEET P3-10.
32. 1/2"GAS, 1/2"AIR, 3/4"HW, 3/4"CW UP INTO LAB CABINET. FOR CONTINUATION SEE SHEET P3-10.
33. 1/2"GAS, 1/2"AIR, 3/4"HW, 3/4"CW DOWN IN WALL.
34. 1/2"GAS, 1/2"AIR, 3/4"HW, 3/4"CW RUN IN CABINET OVER TO SINK & GAS & AIR COCKS.
35. 1/2"GAS, 1/2"AIR UP INTO CABINET TO AIR & GAS COCKS. FOR CONTINUATION SEE SHEET P3-10.
36. 3/4"CW, 3/4"HW, UP IN CABINET TO SINK. FOR CONTINUATION SEE SHEET P3-10.
37. FOR CONTINUATION SEE SHEET P4-14.
38. 3/4"CW DOWN IN WALL TO DRINKING FOUNTAIN.
39. 3/4"GAS, 3/4"AIR, DOWN IN WALL. FOR CONTINUATION SEE SHEET P3-10.
40. 3/4"HW, 1"CW, 1"GAS, 1/2"AIR DOWN IN WALL. FOR CONTINUATION SEE SHEET P3-10.
41. 3/4"GAS, 3/4"CW UP INTO CABINET. FOR CONTIUATION SEE SHEET P3-10.
42. 2"WASTE DOWN. FOR CONTINUATION SEE SHEET P3-10.
43. 4"VENT UP THRU ROOF.
44. 2" GAS DROP.
45. GAS METER OUTLET PRESSURE 6"W.C. TOTAL CONNECTED LOAD OF 433.5 CFH.
46. SEE SHEET P2-1 FOR CONTINUATION.
47. 1/2"GAS, 1/2"AIR, 1/2"CW DOWN TO DEMONSTRATION CABINET.
48. 2" VENT UP IN WALL TO ABOVE CEILING.
49. 3/4"CW, 3/4"HW DROP. 1 1/2"V RISE, 3"W DOWN.



UNIT "K" PLUMBING 1/4 FIRST FLOOR (SE)

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



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for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

MARION COUNTY, INDIANA

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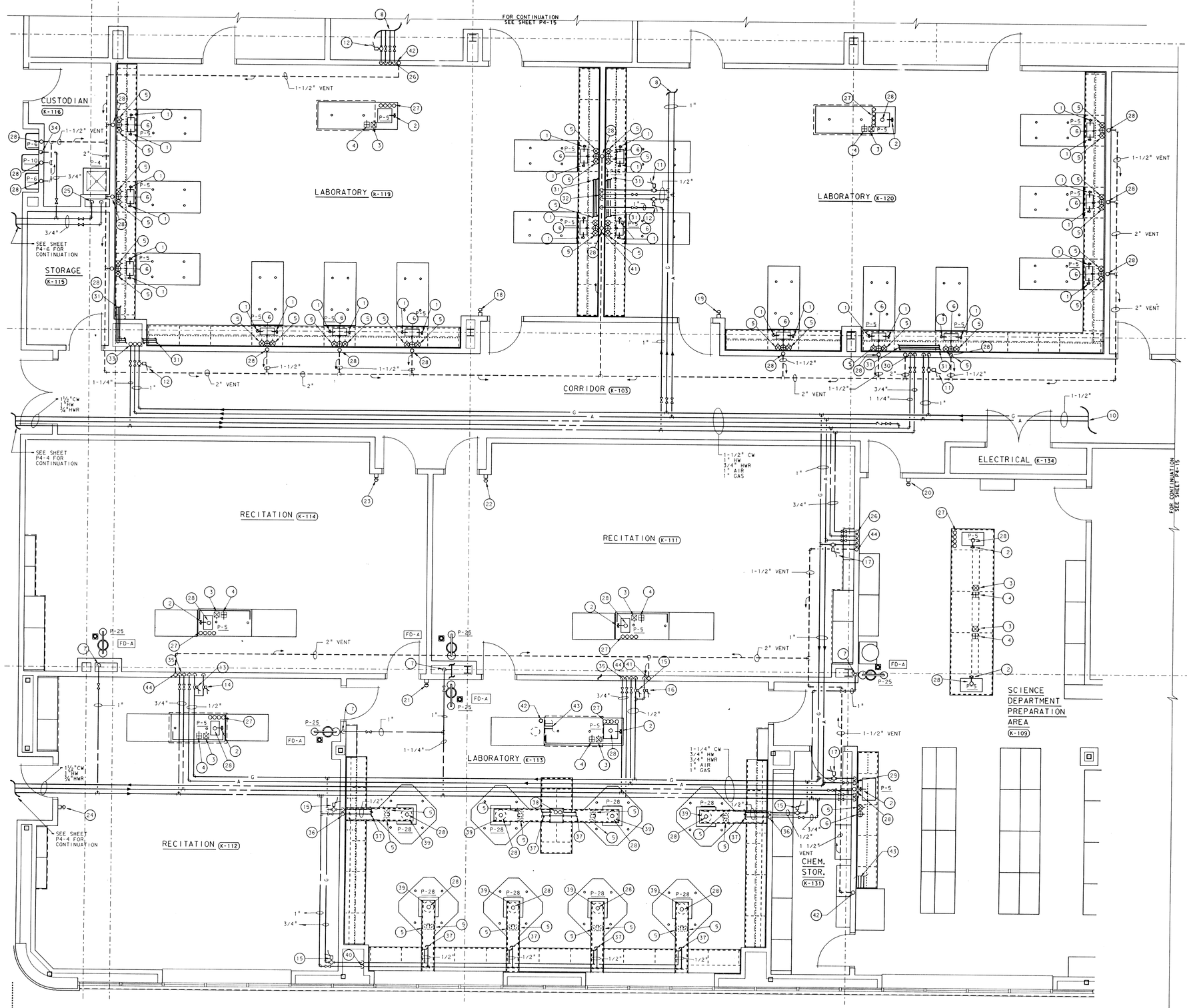
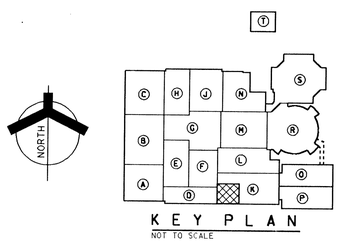


PLAN NOTES:

1. COLD WATER GOOSENECK.
2. HOT AND COLD WATER GOOSENECK.
3. SINGLE GAS COCK - PEDESTAL TYPE.
4. SINGLE AIR COCK - PEDESTAL TYPE.
5. SINGLE GAS COCK - VERTICAL MOUNT TYPE.
6. SINGLE AIR COCK - VERTICAL MOUNT TYPE.
7. 1"CW DOWN TO SAFETY SHOWER.
8. FOR CONTINUATION SEE SHEET P4-15.
9. FOR CONTINUATION SEE SHEET
10. FOR CONTINUATION SEE SHEET P4-13.
11. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-120.
12. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-119.
13. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-114.
14. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-112.
15. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-113.
16. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-111.
17. SOLENOID VALVE CONTROLS GAS SUPPLY TO RM. K-109.
18. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-119.
19. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-120.
20. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-109.
21. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-113.
22. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-111.
23. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-114.
24. KEY CONTROL PANEL. FOR GAS SUPPLY TO RM. K-112.
25. ½"CW, ½"HW DOWN TO MOP SINK P-4.
26. 3/4"CW, 3/4"HW, 1/2"GAS, 1/2"AIR DOWN IN WALL. FOR CONTINUATION SEE SHEET P310.
27. 3/4"CW, 3/4"HW, 1/2"GAS, 1/2"AIR UP IN CABINET. FOR CONTINUATION SEE SHEET P310.
28. 2"WASTE DOWN. FOR CONTINUATION SEE SHEET P3-10.
29. 3/4"CW, 3/4"HW, 1/2"GAS, 1/2"AIR DOWN IN WALL.
30. 1"AIR, 1"GAS, 3/4"HW, 1 1/4"CW DOWN IN WALL TO CABINET.
31. RUN PIPING IN CABINET PIPE CHASE TO SINKS, AIR & GAS COCKS.
32. (2) 1/2"GAS, 1/2"AIR, 1"CW DOWN IN WALL TO CABINET.
33. 1"AIR, 1"GAS, 1 1/4"CW DOWN IN WALL TO CABINET.
34. 3/4"CW DOWN IN WALL TO DRINKING FOUNTAIN.
35. 3/4"CW, 3/4"HW, (2) 1/2"GAS, 1/2"AIR DOWN IN WALL. FOR CONTINUATION SEE SHEET P310.
36. 1/2"GAS, 3/4"CW DOWN IN WALL TO CABINET.
37. RUN CW & GAS PIPING IN SCIENCE CABINET PIPE CHASE, OUT TO GAS COCKS & SINKS.
38. 1/2"GAS, 3/4"CW UP INTO CABINET. FOR CONTINUATION SEE SHEET P310.
39. FOUR COLD WATER VALVE COCKS.
40. 1"CW, 3/4"GAS DOWN IN WALL TO CABINET.
41. 4" VENT UP THRU ROOF.
42. 2" WASTE DOWN. FOR CONTINUATION SEE SHEET P3-10.
43. 1/2"CW, 1/2"AIR, 1/2"GAS TO DEMONSTRATION CABINET.
44. 2" VENT UP IN WALL TO ABOVE CEILING.



UNIT "K" PLUMBING 1/4 FIRST FLOOR (SW)

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

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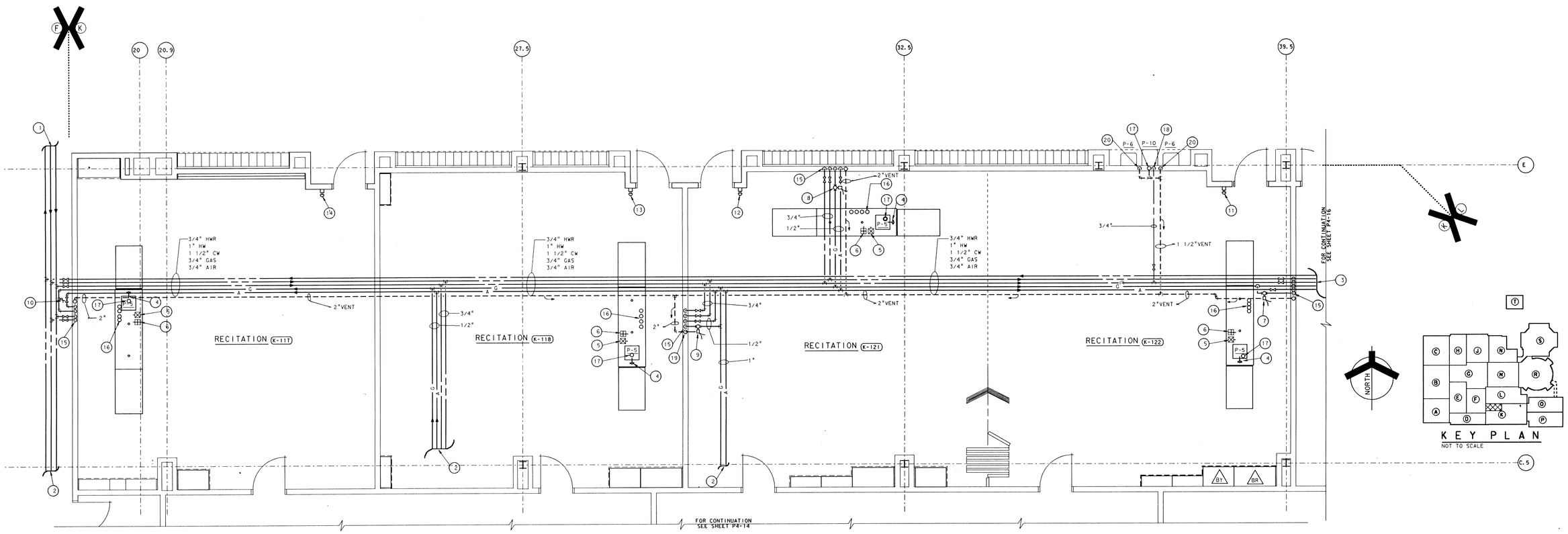
PLAN NOTES:

1. FOR CONTINUATION SEE SHEET P4-17.
2. FOR CONTINUATION SEE SHEET P4-14.
3. FOR CONTINUATION SEE SHEET P4-16.
4. HOT AND COLD WATER GOOSENECK.
5. SINGLE GAS COCK - PEDESTAL TYPE.
6. SINGLE AIR COCK - PEDESTAL TYPE.
7. SOLENOID VALVE, CONTROLS GAS SUPPLY TO RM. K-122.
8. SOLENOID VALVE, CONTROLS GAS SUPPLY TO RM. K-121.
9. SOLENOID VALVE, CONTROLS GAS SUPPLY TO RM. K-118.
10. SOLENOID VALVE, CONTROLS GAS SUPPLY TO RM. K-117.
11. KEY CONTROL PANEL, FOR GAS SUPPLY TO RM. K-122.
12. KEY CONTROL PANEL, FOR GAS SUPPLY TO RM. K-121.
13. KEY CONTROL PANEL, FOR GAS SUPPLY TO RM. K-118.
14. KEY CONTROL PANEL, FOR GAS SUPPLY TO RM. K-117.
15. 1/2"GAS, 1/2"AIR, 3/4"HW, 3/4"CW DOWN IN WALL. FOR CONTINUATION SEE SHEET P3-10.
16. 1/2"GAS, 1/2"AIR, 3/4"HW, 3/4"CW UP INTO SCIENCE CABINET. FOR CONTINUATION SEE SHEET P3-10.
17. 2" WASTE DOWN. FOR CONTINUATION SEE SHEET P3-10
18. 3/4"CW DOWN IN WALL TO DRINKING FOUNTAINS.
19. 4"VENT UP THRU ROOF
20. 1 1/2"V RISE, 1 1/2"W.



UNIT "K" PLUMBING 1/4 FIRST FLOOR (NW)

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

ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL

for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

MARION COUNTY, INDIANA

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950 NORTH MERIDIAN STREET
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(317) 237-7000

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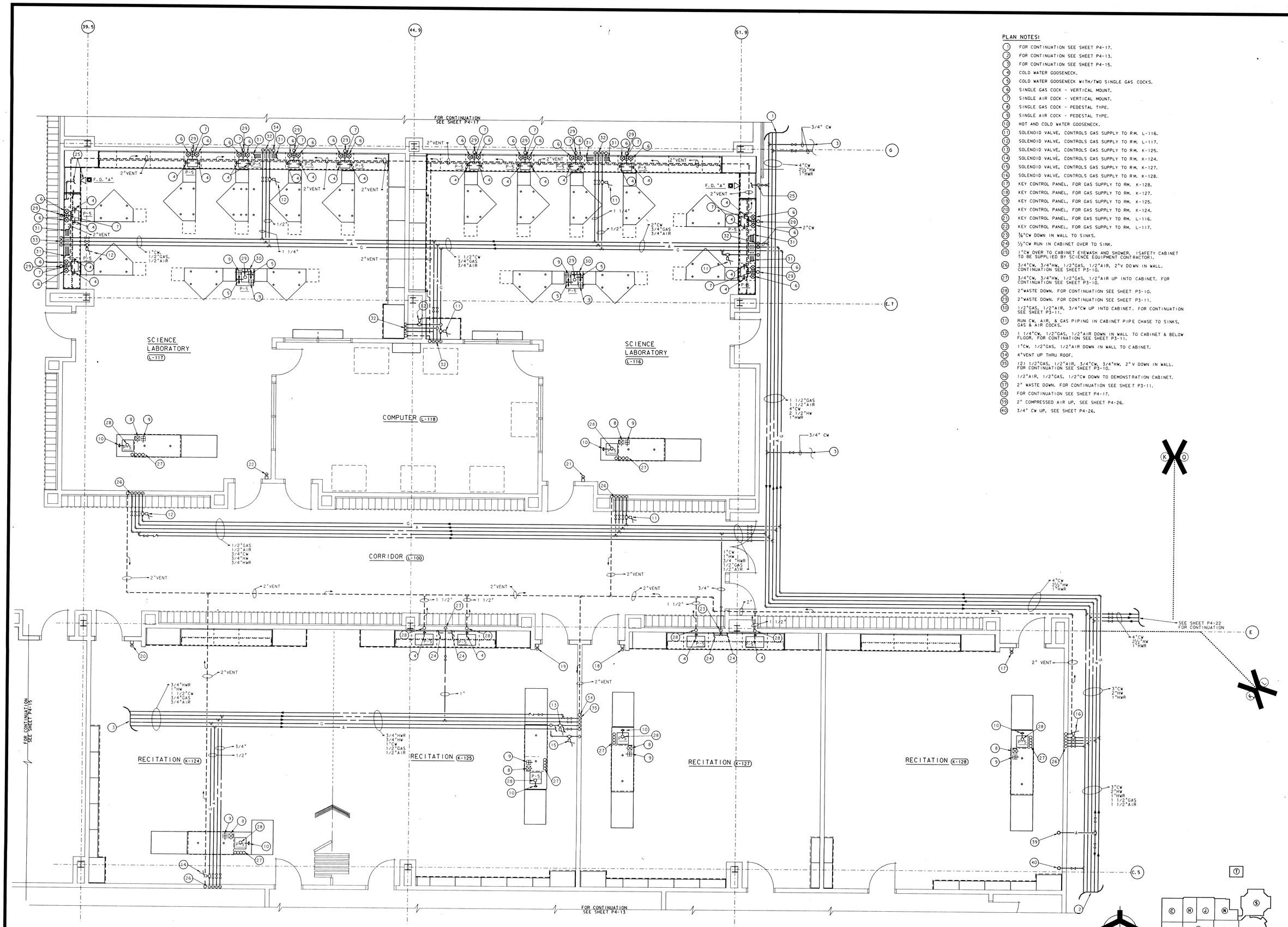

PLAN NOTES:

1. FOR CONTINUATION SEE SHEET P4-17.
2. FOR CONTINUATION SEE SHEET P4-13.
3. FOR CONTINUATION SEE SHEET P4-15.
4. COLD WATER GOOSENECK.
5. COLD WATER GOOSENECK WITH/TWO SINGLE GAS COCKS.
6. SINGLE GAS COCK - VERTICAL MOUNT.
7. SINGLE AIR COCK - VERTICAL MOUNT.
8. SINGLE GAS COCK - PEDESTAL TYPE.
9. SINGLE AIR COCK - PEDESTAL TYPE.
10. HOT AND COLD WATER GOOSENECK.
11. SOLENOID VALVE, CONTROLS GAS SUPPLY TO RM. L-116.
12. SOLENOID VALVE, CONTROLS GAS SUPPLY TO RM. L-117.
13. SOLENOID VALVE, CONTROLS GAS SUPPLY TO RM. K-125.
14. SOLENOID VALVE, CONTROLS GAS SUPPLY TO RM. K-124.
15. SOLENOID VALVE, CONTROLS GAS SUPPLY TO RM. K-127.
16. SOLENOID VALVE, CONTROLS GAS SUPPLY TO RM. K-128.
17. KEY CONTROL PANEL, FOR GAS SUPPLY TO RM. K-128.
18. KEY CONTROL PANEL, FOR GAS SUPPLY TO RM. K-127.
19. KEY CONTROL PANEL, FOR GAS SUPPLY TO RM. K-125.
20. KEY CONTROL PANEL, FOR GAS SUPPLY TO RM. K-124.
21. KEY CONTROL PANEL, FOR GAS SUPPLY TO RM. L-116.
22. KEY CONTROL PANEL, FOR GAS SUPPLY TO RM. L-117.
23. ¾"CW DOWN IN WALL TO SINKS.
24. ½"CW RUN IN CABINET OVER TO SINK.
25. 1"CW OVER TO CABINET EYEWASH AND SHOWER. (SAFETY CABINET TO BE SUPPLIED BY SCIENCE EQUIPMENT CONTRACTOR).
26. 3/4"CW, 3/4"HW, 1/2"GAS, 1/2"AIR, 2"V DOWN IN WALL. CONTINUATION SEE SHEET P3-10.
27. 3/4"CW, 3/4"HW, 1/2"GAS, 1/2"AIR UP INTO CABINET. FOR CONTINUATION SEE SHEET P3-10.
28. 2"WASTE DOWN. FOR CONTINUATION SEE SHEET P3-10.
29. 2"WASTE DOWN. FOR CONTINUATION SEE SHEET P3-11.
30. 1/2"GAS, 1/2"AIR, 3/4"CW UP INTO CABINET. FOR CONTINUATION SEE SHEET P3-11.
31. RUN CW, AIR, & GAS PIPING IN CABINET PIPE CHASE TO SINKS, GAS & AIR COCKS.
32. 1 1/4"CW, 1/2"GAS, 1/2"AIR DOWN IN WALL TO CABINET & BELOW FLOOR. FOR CONTINATION SEE SHEET P3-11.
33. 1"CW, 1/2"GAS, 1/2"AIR DOWN IN WALL TO CABINET.
34. 4"VENT UP THRU ROOF.
35. (2) 1/2"GAS, 1/2"AIR, 3/4"CW, 3/4"HW, 2"V DOWN IN WALL. FOR CONTINUATION SEE SHEET P3-10.
36. 1/2"AIR, 1/2"GAS, 1/2"CW DOWN TO DEMONSTRATION CABINET.
37. 2" WASTE DOWN. FOR CONTINUATION SEE SHEET P3-11.
38. FOR CONTINUATION SEE SHEET P4-17.
39. 2" COMPRESSED AIR UP. SEE SHEET P4-26.
40. 3/4" CW UP. SEE SHEET P4-26.

UNIT "K" & "L" PLUMBING 1/4 FIRST FLOOR (NE)

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

KEY PLAN

NOT TO SCALE

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(24) 3/4"CW, 3/4"HW DOWN IN WALL TO SINK.

(25) 2" WASTE DOWN, 2" VENT UP. FOR CONTINUATION SEE SHEET P4-26.

(26) 2" WASTE UP. FOR CONTINUATION SEE SHEET P4-26.

(27) 6" STORM UP. FOR CONTINUATION SEE SHEET P4-26.

(28) 3/4" CW UP. FOR CONTINUATION SEE SHEET P4-26.

(29)

(30) WALL RECESSED SOAP DISPENSING TANK. SEE DETAIL P6-1.

PLAN NOTES

(1) SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.

(2) INSTALL NEW WATER CLOSETS, CARRIERS, AND ALL RELATED PIPING.

(3) INSTALL NEW URINALS, CARRIERS, AND ALL RELATED PIPING.

(4) INSTALL NEW LAV'S, CARRIERS AND ALL RELATED PIPING.

(5) INSTALL NEW FLOOR DRAIN.

(6) INSTALL NEW MOP BASIN.

(7) INSTALL NEW SHOWER WITH DRAIN VENT, AND ALL RELATED PIPING.

(8) INSTALL NEW ELECTRIC WATER COOLERS WITH 1 1/2"W, 3/4"CW DOWN, 1 1/2"V UP AND 3" VENT THRU ROOF.

(9) 2" WASTE, 1/2"HW & CW DOWN, 1 1/2"V UP.

(10) 1"HW & CW SERVING 4 LAV'S.

(11) 3/4"HW & CW DOWN.

(12) 2"W, 1"HW & CW DOWN, 1 1/2" VENT UP.

(13) 4"W AND 3"W DOWN, 3"VENT UP, WITH 4" VENT THRU ROOF.

(14) 2 1/2"CW DOWN IN CHASE.

(15) 1 1/2" SHOWER DRAIN VENT.

(16) 4"W DOWN, 3"V UP, WITH 4" VENT THRU ROOF.

(17) BRANCH LINES ARE 2"CW & 1"HW, WITH 2"CW & 3/4"HW DOWN IN CHASE.

(18) 2"W DOWN, 1 1/2"V UP, 3/4"HW & CW.

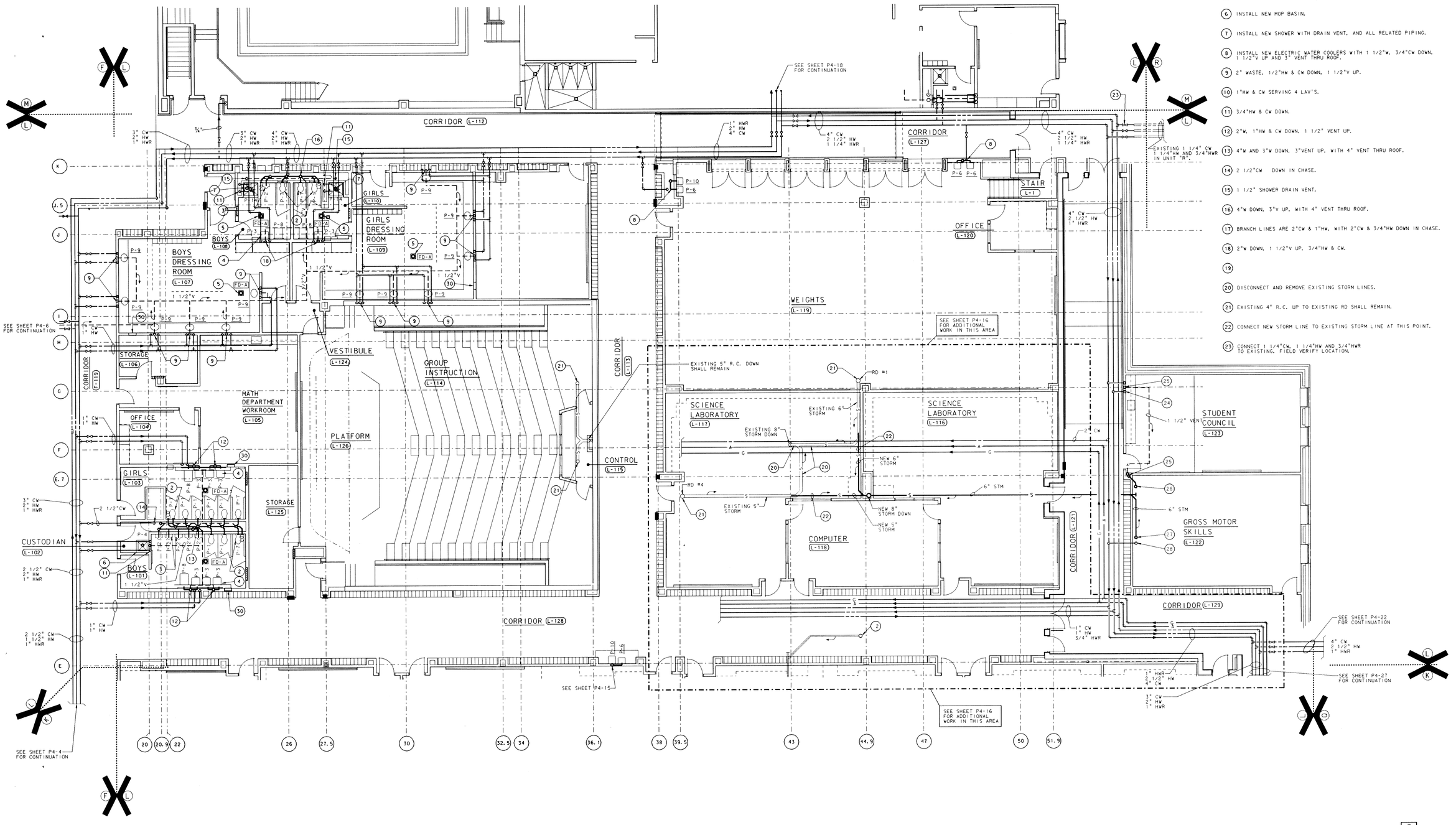
(19)

(20) DISCONNECT AND REMOVE EXISTING STORM LINES.

(21) EXISTING 4" R.C. UP TO EXISTING RD SHALL REMAIN.

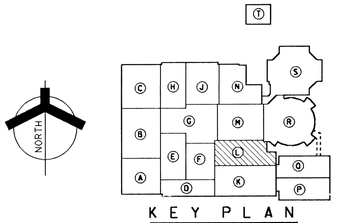
(22) CONNECT NEW STORM LINE TO EXISTING STORM LINE AT THIS POINT.

(23) CONNECT 1 1/4"CW, 1 1/4"HW AND 3/4"HWR TO EXISTING. FIELD VERIFY LOCATION.



UNIT "L" PLUMBING FLOOR PLAN

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



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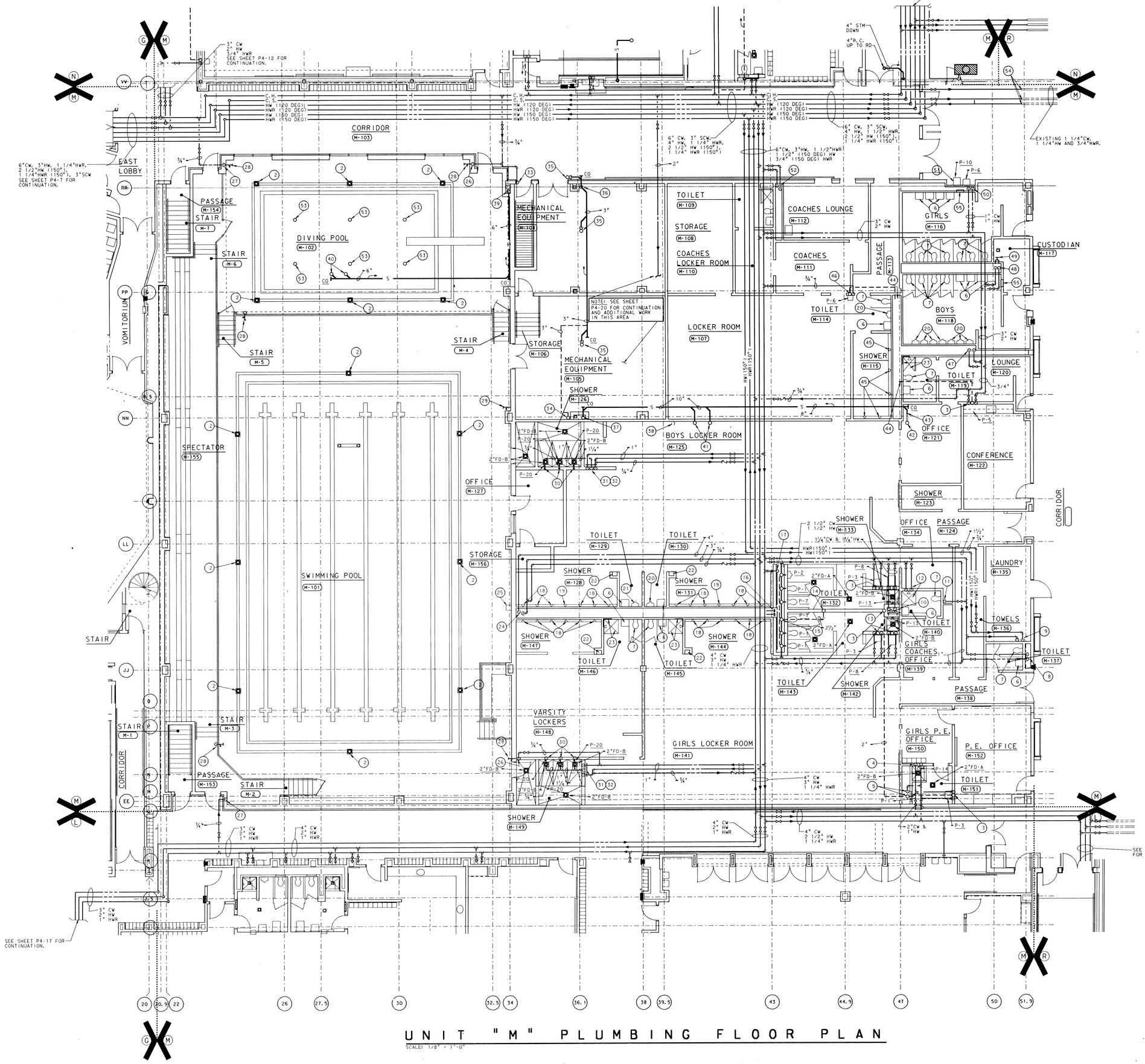
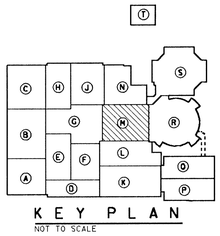


PLAN NOTES:

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
2. 2"FD-B IN TRENCH.
3. ¾"CW, ¾"HW DROP, 1½" VENT RISE, 2" WASTE DOWN.
4. ¾"CW AND ¾"HW DROP.
5. 4"W DOWN, 2" VENT RISE, 1½"CW DROP.
6. EXISTING LAVATORY TO REMAIN, REMOVE EXISTING TRIM INSTALL P-19 ON EXISTING LAVATORY.
7. EXISTING WC TO REMAIN, REMOVE EXISTING SEAT AND TRIM, INSTALL P-17 ON EXISTING WC.
8. ¾"HW AND 1½"CW DROP, CONNECT TO EXISTING HW AND CW PIPING IN CHASE.
9. 1½"CW, 1½"(150°F)HW DROP, CONNECT TO EXISTING WASHER CW AND HW PIPING.
10. 1"CW AND 1"HW DROP.
11. 1½"CW DROP, CONNECT TO EXISTING CW PIPING IN CHASE.
12. ¾"CW AND ¾"HW DROP, REMOVE EXISTING SHOWER UNIT, INSTALL P-16.
13. CONNECT 2" VENT TO EXISTING VENT THRU ROOF.
14. CONNECT 2½" VENT TO EXISTING VENT THRU ROOF.
15. 4"W DOWN, 2" VENT RISE.
16. CAP END OF EXISTING HW AND CW HEADER.
17. 2½"CW DROP.
18. REMOVE EXISTING SHOWER HEAD INSTALL P-15.
19. INSTALL P-15.
20. EXISTING URINAL TO REMAIN, REMOVE EXISTING TRIM, INSTALL P-18.
21. INSTALL RELOCATED EXISTING URINAL WITH TRIM P-18.
22. REMOVE EXISTING THERMOSTATIC MIXING VALVE, INSTALL THERMOSTATIC MIXING VALVE, SYMMONS TEMP CONTROL #S-500A.
23. REMOVE EXISTING SHOWER UNIT INSTALL P-16. CHIP AWAY A SUFFICIENT AMOUNT OF EXISTING CONCRETE BLOCK WALL TO INSTALL HW AND CW PIPING FLUSH WITH SURFACE OF EXISTING WALL. CONNECT HW AND CW TO EXISTING HW AND CW PIPING.
24. 4"CW AND 3"HW DROP, CONNECT TO EXISTING CW AND HW PIPING IN CHASE.
25. REMOVE EXISTING DF, INSTALL P-6.
26. ¾"CW DROP.
27. ¾"CW DOWN.
28. RECESSED WALL BOX HYDRANT, HB, "T" HANDLE KEY, BRONZE BODY CHROME PLATED FACE; J.R. SMITH #5709.
29. EXISTING RECESSED WALL BOX HYDRANT, H.B. TO REMAIN.
30. ¾"TW DROP.
31. 1"CW AND 1"HW DROP, 1¼"TW RISE.
32. SHOWER CONTROL CABINET, LOCKING COVER AND THERMOSTATIC MIXING VALVE, SYMMONS #S-200B.
33. ¾"CW UP.
34. 4" VENT UP AND DOWN.
35. 2"W UP TO FD.
36. 4"W DN.
37. 10"RC DN, 6"RC UP.
38. REMOVE EXISTING ROOF DRAIN AND STORM PIPING.
39. 6"RC DOWN.
40. 6"RC UP TO OFD AND RD #53.
41. 6"RC UP TO OFD AND RD #52.
42. EXISTING 6" RD TO REMAIN.
43. CONNECT TO EXISTING 6"RC.
44. CONNECT 1½" VENT TO EXISTING VENT PIPE IN CHASE.
45. REMOVE EXISTING SHOWER HEAD AND VALVE INSTALL P-14.
46. ¾"CW DROP, 2"W DN. 1½"V RISE.
47. 3"CW, 1¼"HW DROP, CONNECT TO EXISTING CW AND HW PIPING IN CHASE.
48. 3"CW, 1"HW DROP, CONNECT TO EXISTING CW AND HW PIPING IN CHASE.
49. REMOVE EXISTING WALL MOUNTED MOP SINK FAUCET, INSTALL P-22.
50. 1"CW, 1"HW DROP, CONNECT TO EXISTING CW AND HW PIPING IN CHASE.
51. REMOVE EXISTING DF, INSTALL P-6 AND P-10.
52. 1½"CW, 1"HW DROP, CONNECT TO EXISTING CW AND HW PIPING IN CHASE.
53. DIVING POOL WATER SUPPLY INLET NOZZLE. SEE SHEET A8-6 FOR DIMENSION LOCATION AND POOL DETAILS.
54. CONNECT 1 3/4" CW, 1 1/4" HW, AND 3/4" HWR TO EXISTING. FIELD VERIFY LOCATION.
55. WALL RECESSED SOAP DISPENSING TANK, SEE DETAIL P6-1.

UNIT "M" PLUMBING FLOOR PLAN

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



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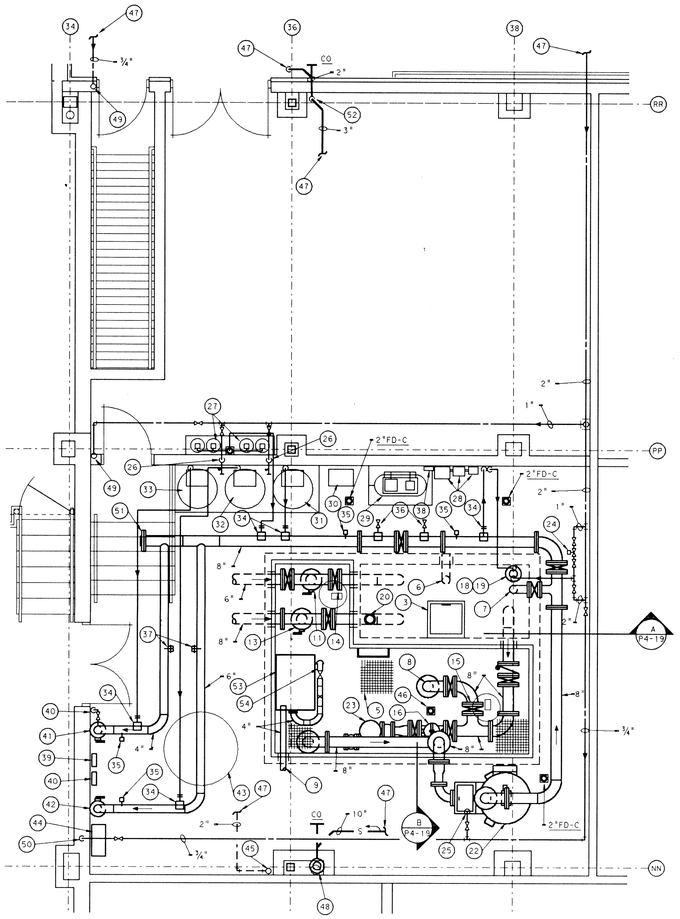
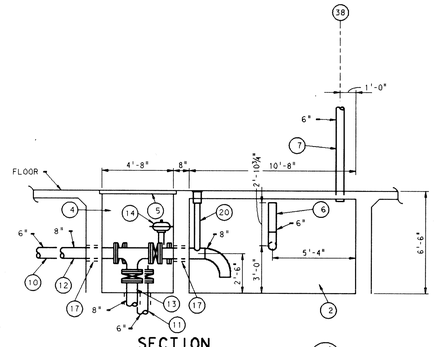


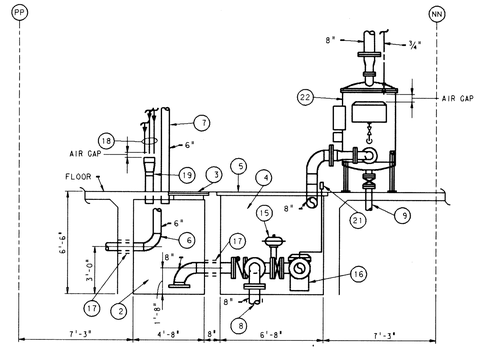
POOL EQUIPMENT ROOM PLAN

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



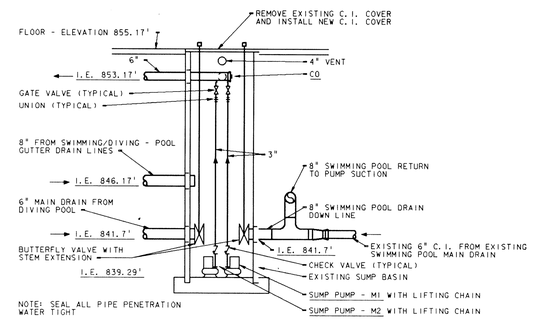
SECTION A P4-19

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



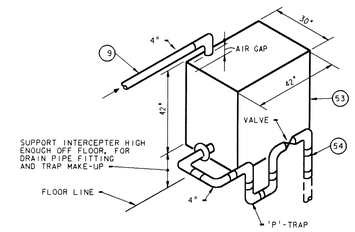
SECTION B P4-19

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



POOL WATER DRAIN DOWN SUMP BASIN DETAIL 1 P4-19

NOT TO SCALE



DIATOMACEOUS EARTH INTERCEPTER DETAIL 2 P4-19

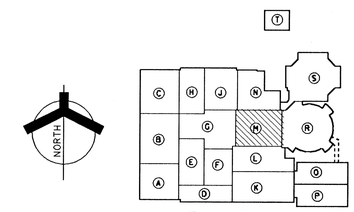
NOT TO SCALE

PLAN NOTES:

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAILS.
2. SURGE TANK (WET PIT).
3. SURGE TANK ACCESS DOOR.
4. DRY PIT.
5. FIBERCAST GRATING.
6. 6" SURGE TANK OVERFLOW LINE.
7. 6" PRECOAT RECYCLE LINE.
8. 8" SWIMMING POOL RETURN TO PUMP SUCTION LINE.
9. 4" FILTER TANK DRAIN LINE TO D.E. INTERCEPTER.
10. 6" DIVING POOL RETURN LINE.
11. 6" DIVING POOL GUTTER DRAIN LINE.
12. 8" SWIMMING POOL GUTTER RETURN LINE.
13. 8" SWIMMING POOL GUTTER DRAIN LINE.
14. DIVING POOL MODULATING CONTROL VALVE.
15. SWIMMING POOL MODULATING CONTROL VALVE.
16. 8" HAIR STRAINER.
17. TYPICAL PIPE SLEEVE WITH WATERTIGHT SEAL.
18. CHEMICAL CONTROL POOL WATER SAMPLING RETURN LINE. 2" POOL WATER MAKE-UP LINE AND POOL HEAT/MOISTURE RECOVERY UNIT CONDENSATE RETURN LINE.
19. POOL WATER MAKE-UP LINE AIR GAP FILL FUNNEL.
20. AUTOMATIC WATER MAKE-UP SENSOR WITH TOP ABOVE STATIC WATER LINE.
21. HAIR STRAINER COMPOUND GAUGE, EXTEND THRU GRATING TO ABOVE FLOOR LINE.
22. REGENERATIVE PRESSURE TYPE D.E. POOL FILTER.
23. POOL WATER RECIRCULATION PUMP.
24. 1" SLOW CLOSING AUTOMATIC POOL WATER MAKE-UP VALVE.
25. ¾"CW DROP.
26. ¾"CW DROP TO HB, HB AT 60" AFF.
27. CARBON DIOXIDE PH SYSTEM.
28. CHEMICAL CONTROL CENTER.
29. AIR COMPRESSOR AND RECEIVER.
30. AIR DRYER.
31. DECHLORINATION SOLUTION TANK AND FEED PUMP.
32. SWIMMING POOL CALCIUM HYPOCHLORINATION SOLUTION TANK AND FEED PUMP.
33. DIVING POOL CALCIUM HYPOCHLORINATION SOLUTION TANK AND FEED PUMP.
34. TYPICAL ½" CORPORATION COCK WITH SADDLE CLAMPS.
35. TYPICAL THERMOMETER.
36. 2" VALVE FITTING FOR POOL WATER HEAT EXCHANGER SUPPLY AND RETURN.
37. FLOW METER ANNUBAR SENSOR. INSTALLED WITH A MINIMUM OF 10 PIPE DIAMETERS DOWN STREAM AND 5 PIPE DIAMETERS UP STREAM OF STRAIGHT RUN OF PIPE.
38. POOL WATER HEAT EXCHANGER REMOTE WALL MOUNTED FLOW METER.
39. DIVING POOL REMOTE WALL MOUNTED FLOW METER.
40. ¾" DOWN, UNDER FLOOR TO DIVING POOL WATER SURFACE RIPPLE OUTLET NOZZLE.
41. 4" DIVING POOL SUPPLY LINE DOWN TO UNDER FLOOR.
42. 6" SWIMMING POOL SUPPLY LINE DOWN TO UNDER FLOOR.
43. POOL WATER DRAIN DOWN SUMP BASIN. SEE DETAIL ON THIS SHEET.
44. POOL WATER DRAIN DOWN SUMP BASIN, SUMP PUMP CONTROL CABINET.
45. 4" SUMP BASIN VENT UP AND DOWN.
46. 2" FLOOR DRAIN; J.R. SMITH #2515 WITH DUCO CAST IRON BODY, POLISHED BRONZE TOP, GRATE AND CLEANOUT PLUG, FLASHING FLANGE, SEDIMENT BUCKET, INTEGRAL TRAP WITH BRONZE BACKWATER VALVE.
47. SEE SHEET P4-18 FOR CONTINUATION.
48. 10"RC DOWN, 6"RC UP.
49. ¾"CW UP.
50. CONNECT ¾"CW TO EXISTING ¾"CW DROP TO EXISTING RECESSED WALL BOX HYDRANT FOR THE SWIMMING POOL AREA.
51. BLIND FLANGE.
52. 4"W DOWN.
53. FREE STANDING FIBERGLASS DIATOMACEOUS EARTH INTERCEPTER WITH INTERNAL GALVANIZED STEEL SUPPORT HOUSING WITH REMOVABLE POLYETHYLENE INTERCEPTOR BAG. APPROXIMATE SIZE: 42"X30"X42", WITH 4" FILTER TANK DRAIN LINE INLET AND 4" OUTLET TO SUMP BASIN. SEE DETAIL THIS SHEET.
54. 4" FROM D.E. INTERCEPTER, THRU FLOOR TO SUMP BASIN.

POOL - MECHANICAL EQUIPMENT SCHEDULE

ITEM	CAPACITY	MANUFACTURER AND MODEL	ELECTRICAL DATA					REMARKS
			H.P.	R.P.M.	AMPS	VOLTS	Ø	
POOL FILTER	351.9 ft2 BARE AREA 519.4 ft2 COATED AREA	FILTREX INC. EC-500S	-	-	-	115	1	
POOL WATER RECIRCULATION PUMP	645 GPM AT 85 TDH FT	AURORA 342A - 4X5X11	20	1750	-	460	3	
POOL SYSTEM AIR COMPRESSOR & RECEIVER	3.60 SCFM FREE AIR 30 GALLON RECEIVER	QUINCY, OR SERIES FX8	1	1750	-	460	3	
POOL SYSTEM COMPRESSED AIR DRYER	10 SCFM AT 35°F PDP	PIONEER R10A	1/6	-	-	115	1	
DECHLORINATION CHEMICAL FEED PUMP	0-108GPD	LIQUID METRONICS B-131715	-	-	-	115	1	MAX 248 WATTS, 29 WATTS AVERAGE
SWIMMING POOL CHEMICAL FEED PUMP	0-108GPD	LIQUID METRONICS B-131715	-	-	-	115	1	MAX 248 WATTS, 29 WATTS AVERAGE
DIVING POOL CHEMICAL FEED PUMP	0-48GPD	LIQUID METRONICS A-161715	-	-	-	115	1	MAX 150 WATTS, 22 WATTS AVERAGE
SUMP PUMP - M1	120 GPM AT 25 TDH FT	ENPO SPRINT 11, 3" DISCHARGE	1	3450	-	460	3	
SUMP PUMP - M2	120 GPM AT 25 TDH FT	ENPO SPRINT 11, 3" DISCHARGE	1	3450	-	460	3	



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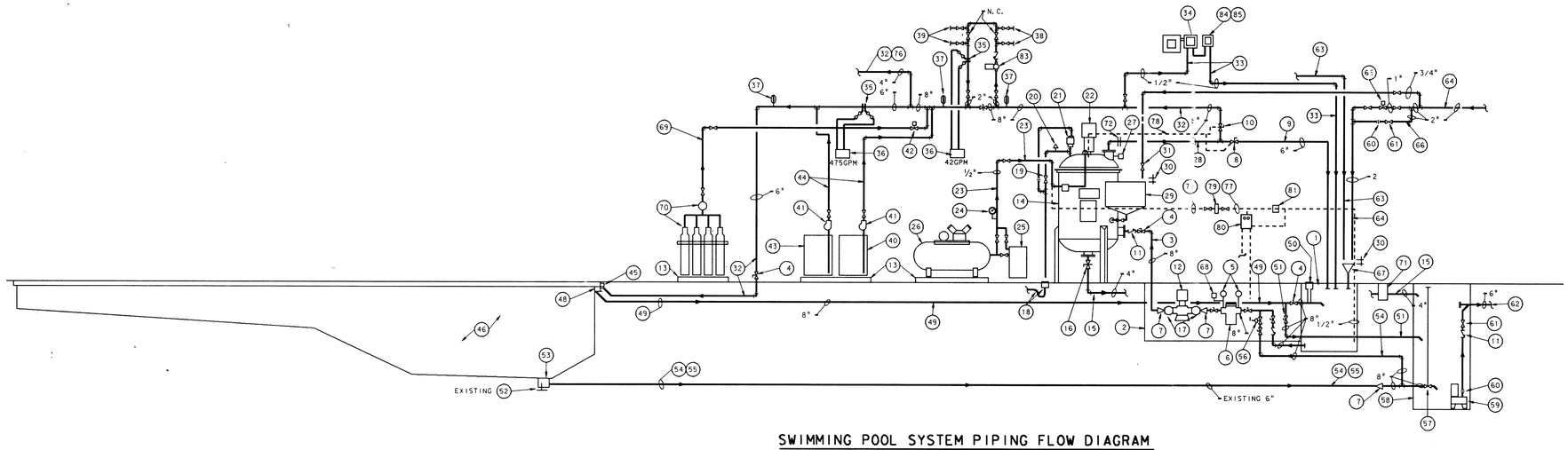
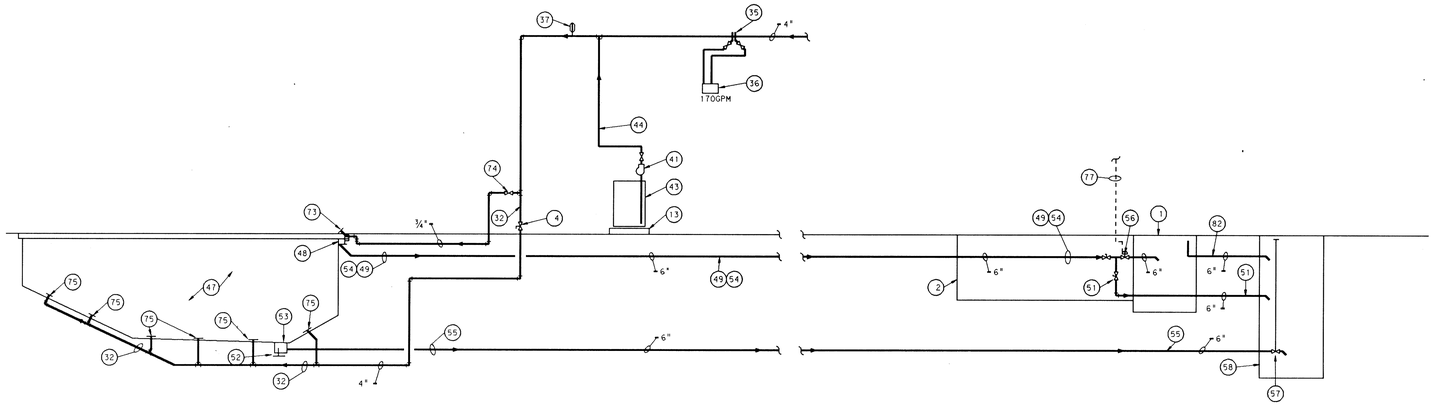


SWIMMING POOL SYSTEM PIPING FLOW DIAGRAM

NOT TO SCALE

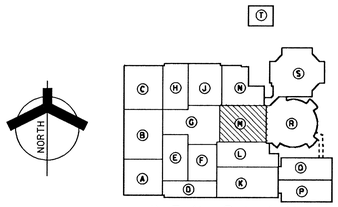


DIVING POOL SYSTEM PIPING FLOW DIAGRAM

NOT TO SCALE

PLAN NOTES:

1. SURGE TANK (BALANCING TANK)
2. PUMP PIT (DRY PIT)
3. FILTER INFLUENT LINE
4. BUTTERFLY VALVE (TYPICAL)
5. COMPOUND GAUGE
6. HAIR STRAINER
7. REDUCER
8. PRECOAT RECYCLE VALVE
9. PRECOAT RECYCLE LINE
10. FILTER EFFLUENT VALVE
11. CHECK VALVE (TYPICAL)
12. POOL WATER RECIRCULATION PUMP
13. CONCRETE EQUIPMENT PAD
14. REGENERATIVE PRESSURE TYPE D.E. FILTER
15. FILTER DRAIN LINE
16. FILTER DRAIN VALVE
17. FLEXIBLE CONNECTION
18. FLOOR DRAIN WITH WASTE LINE TO SANITARY SEWER.
19. MANUAL AIR VENT VALVE.
20. VACUUM BREAKER.
21. AUTOMATIC AIR VENT VALVE.
22. PNEUMATIC CYLINDER
23. COMPRESSED AIR SUPPLY LINE.
24. PRESSURE GAUGE.
25. AUTOMATIC REFRIGERATED TYPE COMPRESSED AIR DRYER.
26. AIR COMPRESSOR AND RECEIVER.
27. SIGHT GLASS
28. FILTER EFFLUENT LINE.
29. PRECOAT TANK.
30. AIR GAP.
31. MANUAL COLD WATER VALVE.
32. POOL WATER SUPPLY LINE.
33. CHEMICAL CONTROL CENTER. POOL WATER SAMPLING LINES.
34. CHEMICAL CONTROL CENTER.
35. FLOW METER ANNUBAR SENSOR. INSTALLED WITH A MINIMUM OF 10 PIPE DIAMETERS DOWN STREAM AND 5 PIPE DIAMETERS UPSTREAM OF STRAIGHT RUN OF PIPE.
36. REMOTE WALL MOUNTED FLOW METER.
37. THERMOMETER (TYPICAL).
38. POOL HEAT/MOISTURE RECOVERY UNIT. HEAT RECOVERY SUPPLY AND RETURN LINES.
39. POOL WATER HEAT EXCHANGER SUPPLY AND RETURN LINES.
40. DECHLORINATION SOLUTION TANK.
41. CHEMICAL INJECTION METERING PUMP.
42. CARBON DIOXIDE FEED CONTROL VALVE.
43. CALCIUM HYPOCHLORITE SOLUTION TANK.
44. CHEMICAL SOLUTION INJECTION SUPPLY LINE.
45. POOL WATER SUPPLY TUBE
46. SWIMMING POOL. 163642 GALLON CAPACITY.
47. DIVING POOL. 60323 GALLON CAPACITY.
48. POOL WATER GUTTER OVERFLOW TROUGH.
49. POOL WATER GUTTER OVERFLOW TROUGH DRAIN LINE.
50. AUTOMATIC WATER MAKE-UP SENSOR WITH TOP ABOVE STATIC WATER LEVEL.
51. POOL WATER GUTTER OVERFLOW TROUGH DRAIN TO WASTE.
52. HYDROSTATIC RELIEF. 2" WITH 2" GRAVEL DEFLECTOR.
53. POOL WATER MAIN DRAIN.
54. POOL WATER RETURN LINE.
55. POOL WATER MAIN DRAIN DOWN LINE.
56. POOL WATER MAIN DRAIN MODULATING VALVE.
57. POOL WATER MAIN DRAIN DOWN VALVE WITH STEM EXTENSION.
58. POOL WATER DRAIN DOWN SUMP BASIN.
59. POOL WATER DRAIN DOWN DUPLEX SUMP PUMP (FLOAT CONTROLLED).
60. UNION (TYPICAL).
61. SHUT-OFF VALVE (TYPICAL).
62. SUMP PUMP DISCHARGE LINE TO SANITARY SEWER.
63. POOL HEAT/MOISTURE RECOVERY UNIT. CONDENSATE RETURN LINE.
64. POOL WATER MAKE-UP LINE.
65. 1" SLOW CLOSING AUTOMATIC POOL WATER MAKE-UP VALVE.
66. NORMALLY CLOSED FULL LINE SIZE. AUTOMATIC POOL WATER MAKE-UP VALVE BY-PASS LINE.
67. POOL WATER MAKE-UP LINE AIR GAP FILL FUNNEL.
68. MERCOID VACUUM LIMIT SWITCH.
69. CARBON DIOXIDE SUPPLY LINE.
70. CARBON DIOXIDE pH SYSTEM.
71. DIATOMACEOUS EARTH INTERCEPTER BASIN.
72. FLANGED CONNECTION.
73. WATER SURFACE RIPPLE OUTLET NOZZLE.
74. WATER SURFACE RIPPLE NOZZLE SUPPLY CONTROL VALVE (MANUAL).
75. POOL WATER SUPPLY NOZZLE.
76. TO DIVING POOL.
77. AIR TUBING 20 PSI.
78. AIR TUBING 100 PSI.
79. AIR PRESSURE REGULATOR VALVE 100 PSI TO 20 PSI.
80. WIZZARD CONTROLLER. WALL MOUNTED.
81. SIGHT BUBBLER.
82. SURGE TANK OVERFLOW LINE.
83. HEAT EXCHANGER LOOP CIRCULATION PUMP (P-6).
84. DECHLORINATION ANALYZER.
85. DECHLORINATION SENSOR.



KEY PLAN

NOT TO SCALE

ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL

for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

MARION COUNTY, INDIANA

EVERETT I. BROWN Company
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950 NORTH MERIDIAN STREET
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(317) 237-7000

SCOTT R. BROWN
REGISTERED
NO. 20912
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT
871-110

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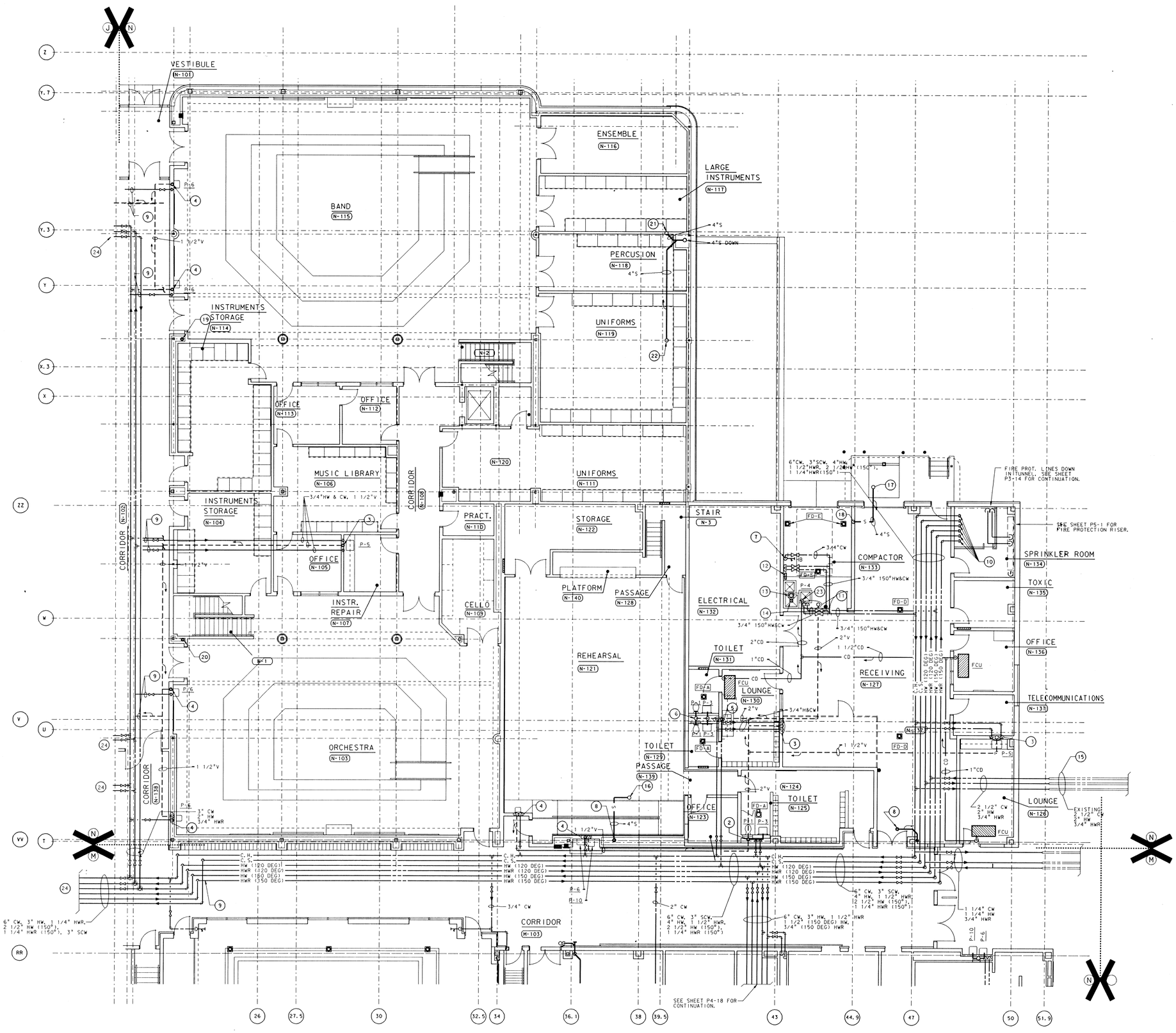
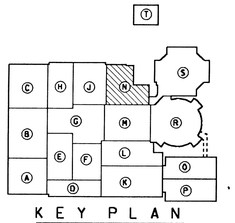
NO. P4-20
OF 28



UNIT "N" PLUMBING FLOOR PLAN

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



KEY PLAN

NOT TO SCALE

PLAN NOTES

1. SEE SHEET MO-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAIL.
2. 4"W, 1 1/4" CW, 3/4" HW DOWN, 2" VENT UP.
3. 2"W, 3/4" HW & CW DOWN, 1 1/2" VENT UP.
4. 1 1/2" W, 3/4" CW DOWN, 1 1/2" VENT UP.
5. 1 1/4" CW, 3/4" HW DOWN IN PIPE CHASE.
6. 4" WASTE DOWN, 2" VENT UP WITH 3" VENT THRU ROOF.
7. 3/4" CW DOWN TO HOSE BIBB.
8. EXISTING 4" R.C. TO REMAIN.
9. FOR CONTINUATION SEE SHEET #P4-9.
10. FOR CONTINUATION SEE SHEET #P3-14.
11. 1 1/2"V UP, 3/4" 150°HW & 3/4"CW DOWN.
12. J.R. SMITH #3385 OR APPROVED EQUAL SURFACE MOUNTED WATER SUPPLY CONTROL BOX FOR CAN WASHER WITH VACUUM BREAKER.
13. J.R. SMITH #3370 OR APPROVED EQUAL CAN WASHER, FLOOOR DRAIN WITH NICKEL BRONZE RIM & GRATE.
14. 4" CONCRETE CURB AROUND DRAIN BY STRUCTURAL CONTRACTOR.
15. CONNECT 2 1/2" CW, 2" HW AND 3/4" HWR TO EXISTING. FIELD VERIFY LOCATION.
16. 4"RC. CONNECT TO NEW RD #53.
17. 4"RC UP TO RD #17.
18. 4"RC DOWN.
19. 6"S UP TO RD #16 & 16A.
20. 6"S UP TO RD #16 & 16A.
21. 4"RC UP TO RD #14.
22. 4"RC UP TO RD #15.
23. 2" CONDENSATE DRAIN DOWN TO MOP BASIN.
24. SEE SHEET P4-12 FOR CONTINUATION.

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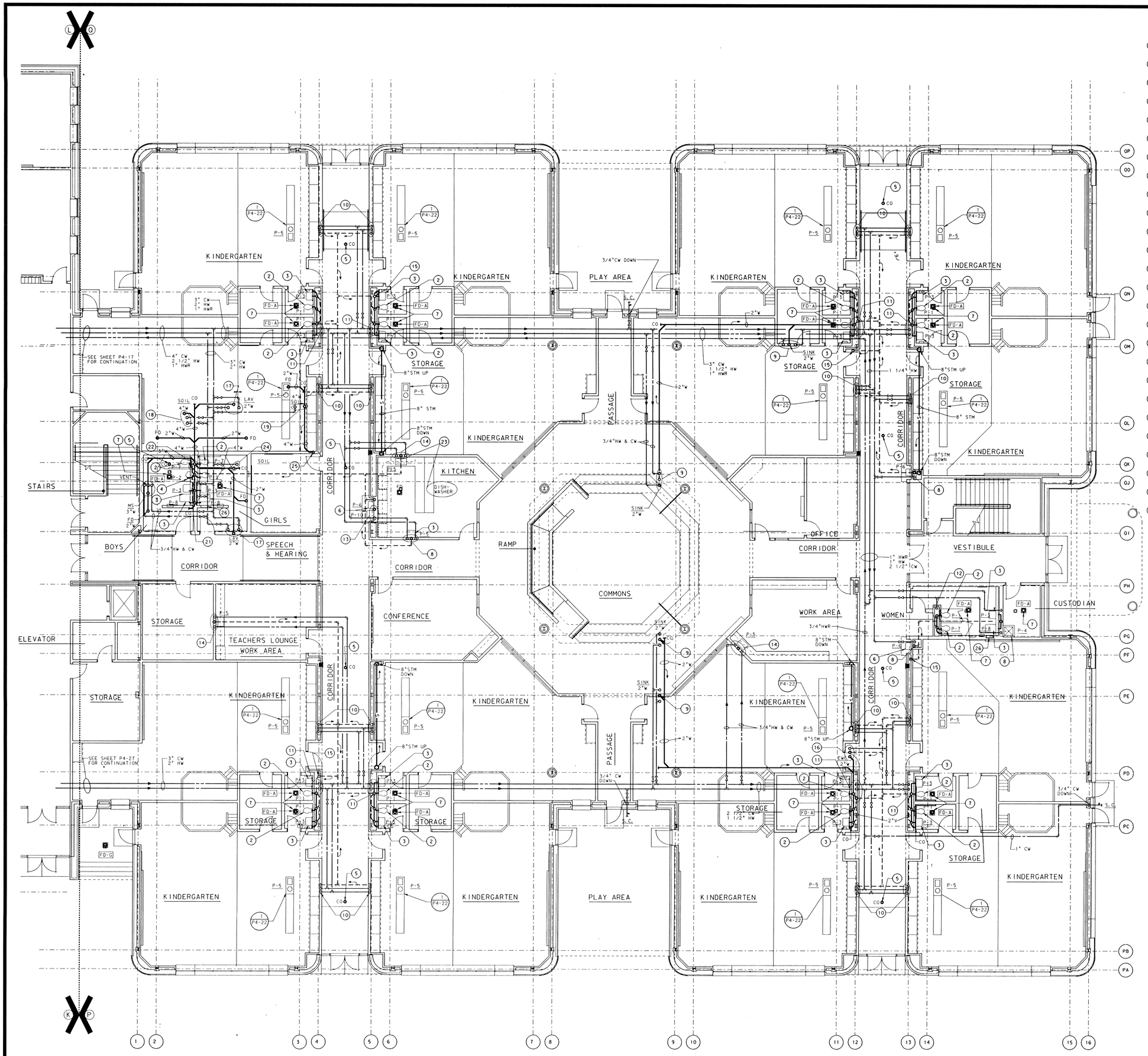
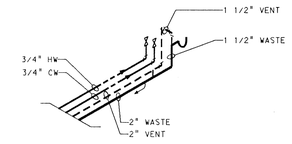


UNIT "P" & "O" FIRST FLOOR PLUMBING PLAN

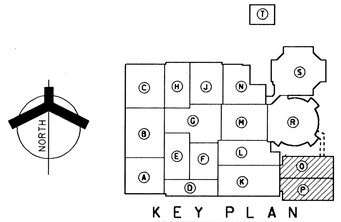
SCALE: 1/8" = 1'-0"

PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAILS.
2. INSTALL NEW WATER CLOSET, CARRIER AND ALL RELATED PIPING.
3. INSTALL NEW LAVATORY, CARRIER AND ALL RELATED PIPING.
4. INSTALL NEW URINAL, CARRIER AND ALL RELATED PIPING.
5. INSTALL NEW FLOOR CLEANOUT.
6. INSTALL NEW ELECTRIC WATER COOLER.
7. INSTALL NEW FLOOR DRAIN.
8. 1 1/2"W, 1/2"CW DOWN, 1 1/2"V UP
9. 2"W, 3/4"HW & CW UP TO SINKS ON SECOND FLOOR
10. 3/4"HW & CW, 1 1/2"V FROM ISLAND SINK
11. 4"W, 3/4"HW, 1 1/2"CW DOWN, 2"V UP
12. 4"W, 1 1/4"CW DOWN, 2"V UP
13. 1 1/2"W, 3/4"CW DOWN, 1 1/2"V UP
14. 1 1/2"W, 3/4"HW & CW DOWN, 1 1/2"V UP
15. 2"V UP
16. 1 1/2"W, 1/2"CW & 1 1/2"V UP TO SECOND FLOOR.
17. 2"W, 1"HW & CW UP TO LAVATORIES ON SECOND FLOOR.
18. 4"W, 1 1/2"CW, 3/4"HW UP
19. 4"W, 1 1/2"CW UP TO SECOND FLOOR
20. 3"W, 1 1/2"V, 3/4"HW & CW UP
21. 2"W, 3/4"HW DOWN, 1 1/2"V FROM LAVATORIES.
22. 4" WASTE STACK, 3" VENT STACK UP WITH 3" VENT THRU ROOF.
23. CONNECT DISHWASHER TO KITCHEN SINK DRAIN & TO HOT WATER FROM KITCHEN SINK.
24. 4"W, 2 1/2"CW UP.
25. 4" WASTE DOWN
26. WALL RECESSED SOAP DISPENSING TANK, SEE DETAIL P6-1.



ISLAND SINK PIPING DETAIL (1/P4)
NOT TO SCALE



KEY PLAN
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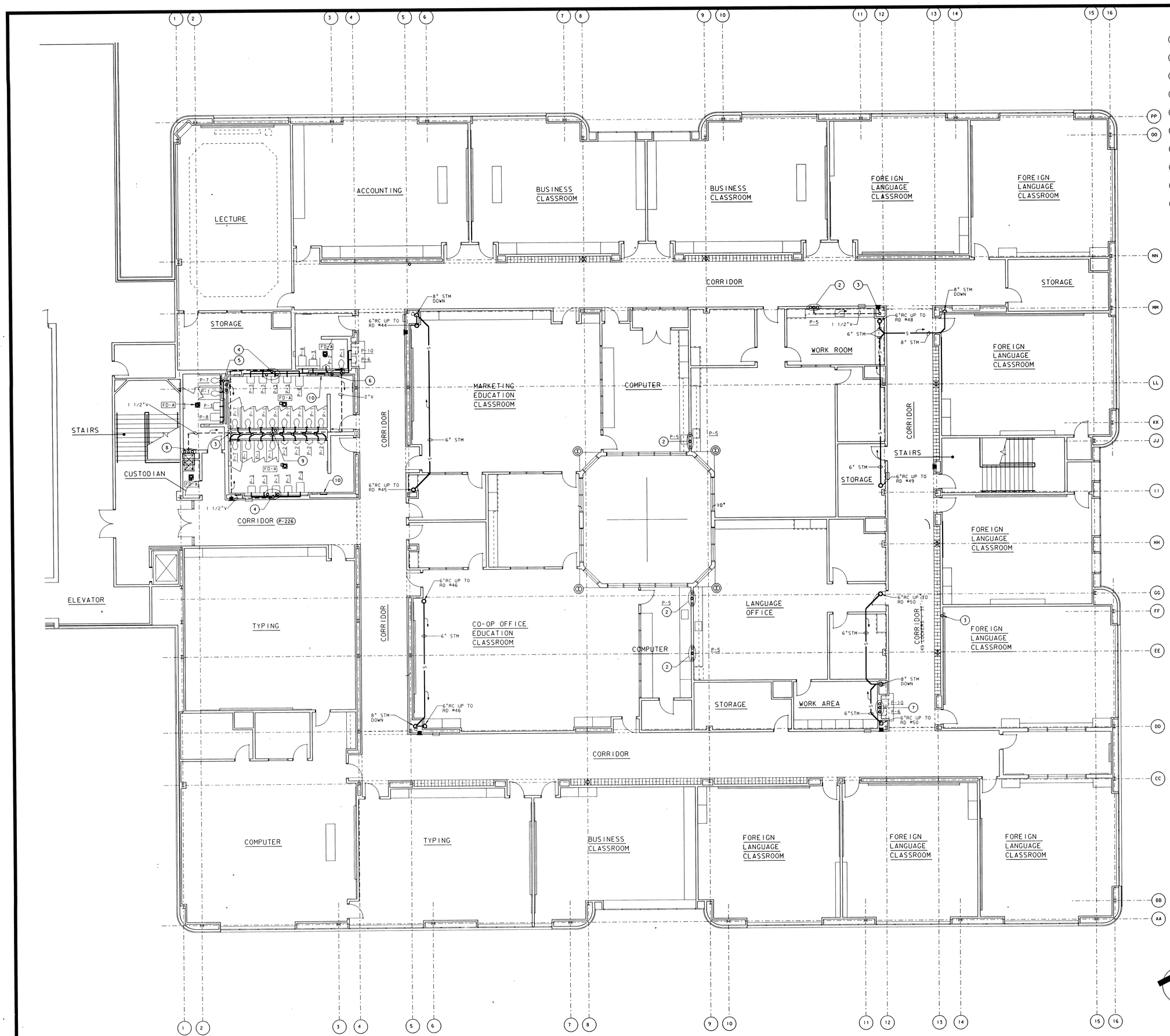
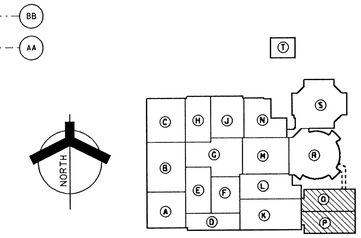


PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
2. 1 1/2"W, 1/2"HW & CW UP FROM BELOW, 1 1/2"V UP WITH 3" VENT THRU ROOF.
3. 2" VENT UP FROM BELOW WITH 3" VENT THRU ROOF.
4. 2"W, 1"HW & CW UP FROM BELOW WITH 1 1/2"V UP.
5. 4"W DOWN, 1 1/2"CW, 3/4"HW & 2"V UP.
6. 4"W, 1 1/2"CW UP FROM BELOW, 2"V UP.
7. 1 1/2"W, 3/4"CW UP FROM BELOW, 1 1/2"V UP WITH 4" VENT THRU ROOF.
8. 1 1/2"V, 3/4"HW & CW UP FROM BELOW.
9. 4"W & 2 1/2"CW UP FROM BELOW.
10. WALL RECESSED SOAP DISPENSING TANK, SEE DETAIL P6-1.



KEY PLAN
NOT TO SCALE

UNIT "P" & "Q" SECOND FLOOR PLUMBING PLAN

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

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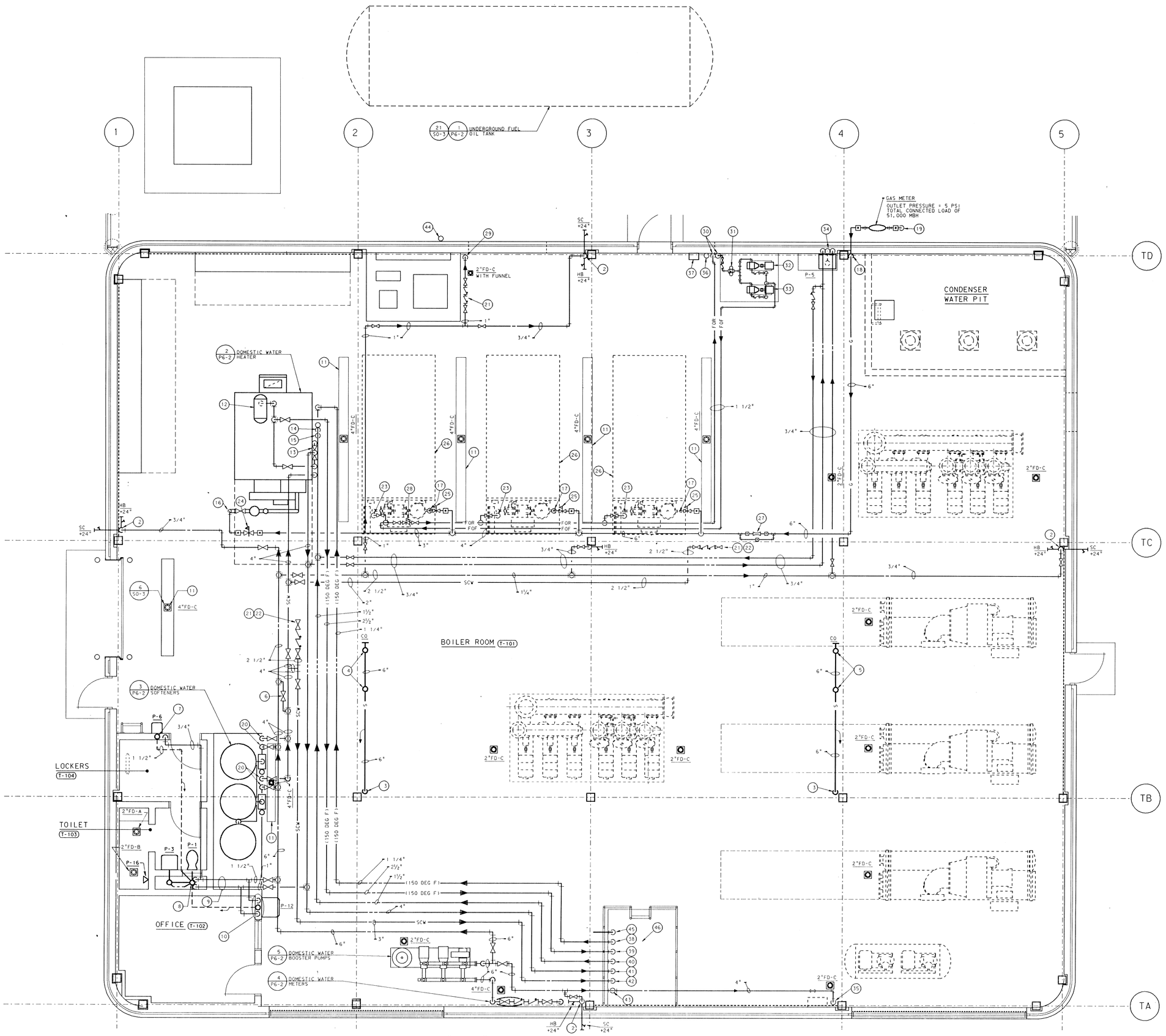
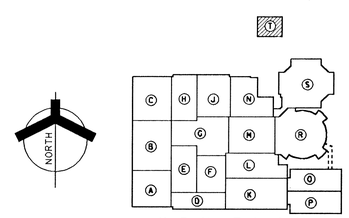
OF 28



UNIT "T" PLUMBING FLOOR PLAN

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



KEY PLAN

NOT TO SCALE

PLAN NOTES:

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND, SCHEDULES AND DETAILS.
2. 3/4"CW DROP.
3. 6"RC DOWN
4. 6"RC UP TO 6" RD#56 AND 6" OFD.
5. 6"RC UP TO 6" RD#57 AND 6" OFD.
6. NORMALLY CLOSED FULL LINE SIZE BY-PASS.
7. 3/4"CW DROP, 2" WASTE DOWN, 1 1/2"V RISE.
8. 4"W DOWN, 4"V RISE, 4"VENT THRU ROOF.
9. 1 1/4"CW AND 1/2"HW DOWN IN CHASE.
10. 3"W, 1 1/2"V, 3/4"HW & CW
11. TRENCH DRAIN.
12. DOMESTIC HW SYSTEM EXPANSION TANK, SEE DETAIL #2 ON SHEET P6-1.
13. DOMESTIC HW SYSTEM THERMOSTATIC MIXING VALVE SEE DETAIL #2 ON SHEET P6-1.
14. 120°F HW RECIRCULATING PUMP #1, SEE DETAIL #2 ON SHEET P6-1.
15. 150°F HW RECIRCULATING PUMP #2, SEE DETAIL #2 ON SHEET P6-1.
16. 3" GAS DROP.
17. 4" GAS DROP.
18. 6" GAS DROP.
19. SEE SHEET P2-02 FOR CONTINUATION.
20. 3"CW AND 3"SCW DROP.
21. I.S.B.H. APPROVED BACKFLOW PREVENTER. PIPE RELIEF DRAIN. TO NEAREST FLOOR DRAIN.
22. SEE SHEET M4-1 FOR CONTINUATION.
23. 1"FOF DROP.
24. GAS PRESSURE REDUCING VALVE 1½PSI OUTLET PRESSURE. PIPE RELIEF VENT THRU ROOF.
25. GAS PRESSURE REDUCING VALVE 1 PSI OUTLET PRESSURE. PIPE RELIEF VENT THRU ROOF.
26. BOILER.
27. GAS FLOW METER. SEE FLOW DIAGRAM ON SHEET M6-4.
28. FOF BACK PRESSURE REGULATING VALVE SET TO MAINTAIN 100 PSI. SEE FUEL OIL FLOW DIAGRAM ON SHEET M6-4.
29. 1"CW DOWN.
30. 1 1/2" FOF AND FOR DOWN.
31. DUPLEX STRAINER.
32. FUEL OIL TRANSFER PUMP #1, SEE DETAIL ON SHEET M6-4. VIKING #HJ195D, 1½" HP, 460V-3 PHASE, 1200 RPM, 10 GPM AT 125PSI.
33. FUEL OIL TRANSFER PUMP #2, SEE DETAIL ON SHEET M6-4. VIKING #HJ195D, 1½" HP, 460V-3 PHASE, 1200 RPM, 10 GPM AT 125PSI.
34. ¾"CW, ¾"HW DROP, 2"V RISE, 4" VENT THRU ROOF, 2"W DOWN.
35. 4"CW DOWN.
36. ¾" CONDUIT FOR FUEL OIL TANK LEVEL GAUGE WIRING.
37. FUEL OIL TANK LEVEL GAUGE.
38. 1¼"(150°) HWR DROP.
39. 2½"(150°) HW DROP.
40. 1½"(150°) HWR DROP.
41. 4"(120°) HW DROP.
42. 3"SCW DROP.
43. 6"CW DROP.
44. 2" UNDERGROUND FUEL OIL TANK VENT.
45. AUTOMATIC FIRE PROTECTION LINE
46. SEE SHEET P3-17 FOR CONTINUATION.

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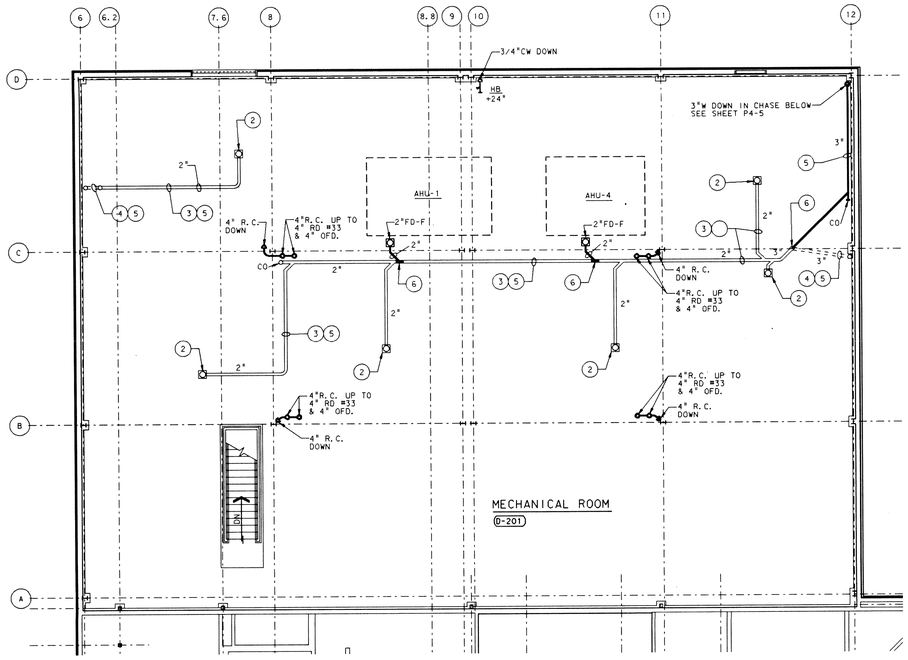
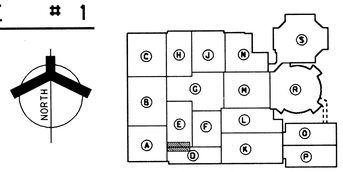
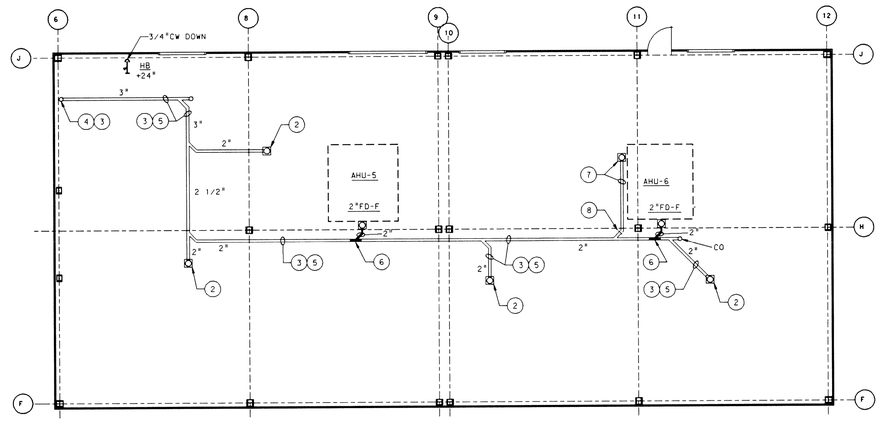


UNIT "D" PENTHOUSE #1
PLUMBING PLAN

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

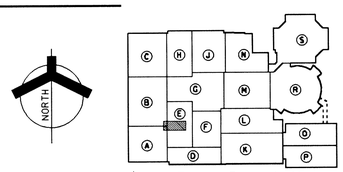


KEY PLAN
NOT TO SCALE



UNIT "E" PENTHOUSE #2
PLUMBING PLAN

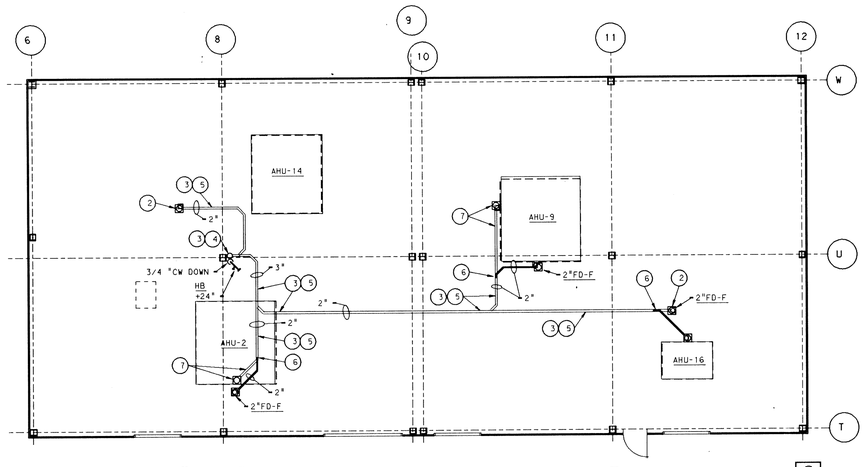
SCALE: 1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

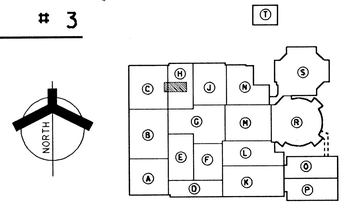
PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
2. EXISTING FLOOR DRAIN TO REMAIN.
3. EXISTING WASTE TO REMAIN.
4. EXISTING VENT TO REMAIN.
5. PIPE SHOWN IS BELOW THIS FLOOR, AND ABOVE CEILING OF FLOOR BELOW.
6. CONNECT WASTE TO EXISTING WASTE PIPE.
7. REMOVE EXISTING FLOOR DRAIN AND WASTE LINE.
8. CAP END OF EXISTING WASTE LINE.



UNIT "H" PENTHOUSE #3
PLUMBING PLAN

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



KEY PLAN
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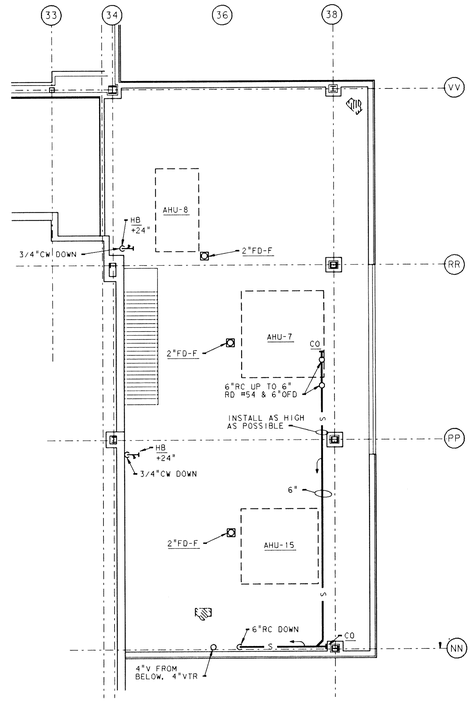
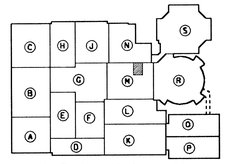


UNIT "M" PENTHOUSE #4
PLUMBING PLAN

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



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SCOTT R. BROWN REGISTERED NO. 20912 STATE OF INDIANA PROFESSIONAL ENGINEER

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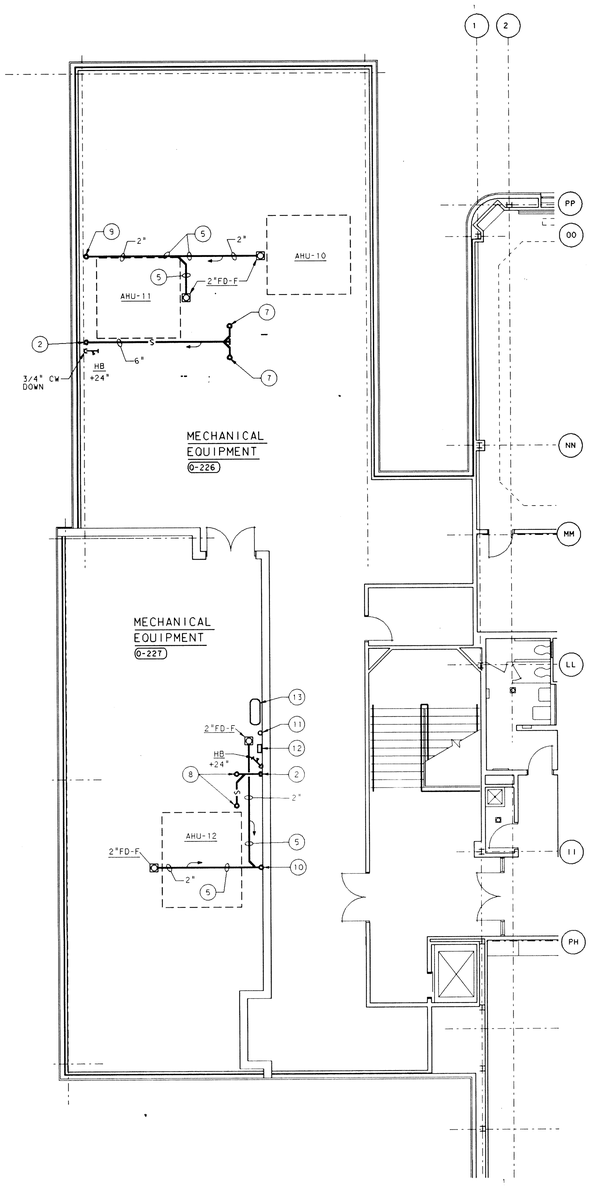
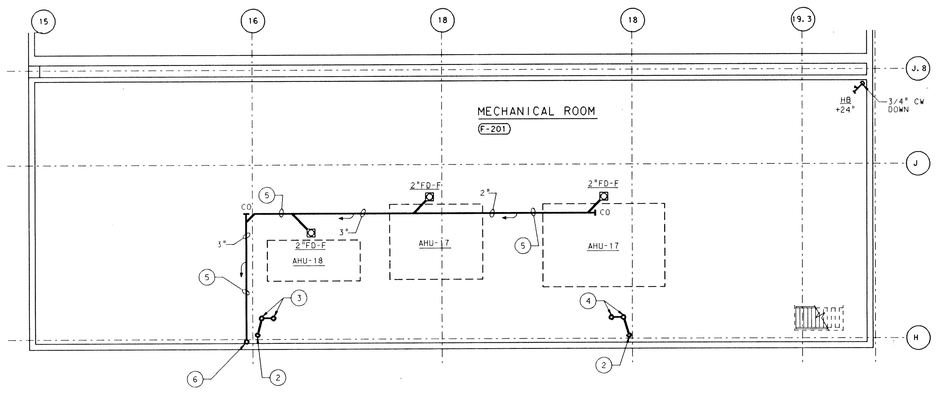
REVISED

PLAN NOTES

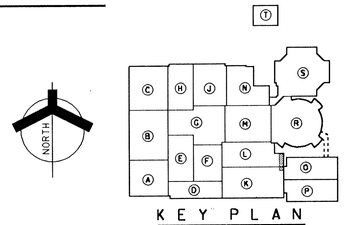
1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
2. 6" R.C. DOWN
3. 6" R.C. UP TO 6" RD #23 AND 6" OFD
4. 6" R.C. UP TO 6" RD #23-A AND 6" OFD
5. PIPE SHOWN IS BELOW THIS FLOOR AND ABOVE CEILING OF FLOOR BELOW.
6. 3"W DOWN, SEE SHEET P4-6 FOR CONTINUATION, 2" VENT UP, 3" VENT THRU ROOF.
7. 4" R.C. UP TO 4" RD #43 AND 4" OFD
8. 6" R.C. UP TO 6" RD #43-A AND 6" OFD
9. 2" VENT UP, 3" VENT THRU ROOF. SEE SHEET P4-17 FOR CONTINUATION.
10. 2" VENT UP, 3" VENT THRU ROOF. SEE SHEET P4-27 FOR CONTINUATION.
11. 2" COMPRESSED AIR DOWN. SEE SHEET P4-27 FOR CONTINUATION.
12. REFRIGERATED AIR DRYER: INGERSOLL RAND MODEL #HG7S. CAPACITY 75 (SCFM) 1/2 HP, 115 V., SINGLE PHASE.
13. AIR COMPRESSOR: INGERSOLL RAND MODEL #15HE, TYPE-30, 120 GAL. RECEIVER, DISPLACEMENT 72.7 (SCFM), 15 HP, 2 STAGE, 460 VOLT, 3 PHASE.



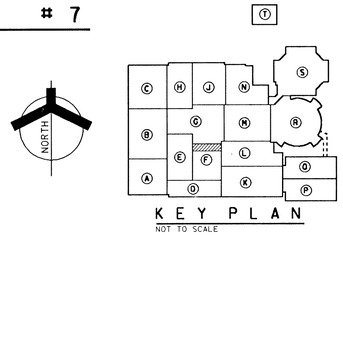
UNIT "L" PENTHOUSE #5
PLUMBING PLAN
SCALE: 1/8" = 1'-0"



UNIT "F" PENTHOUSE #7
PLUMBING PLAN
SCALE: 1/8" = 1'-0"



KEY PLAN
NOT TO SCALE



KEY PLAN
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ADDITION TO and RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL
for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

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PROJECT
871-110

DATE
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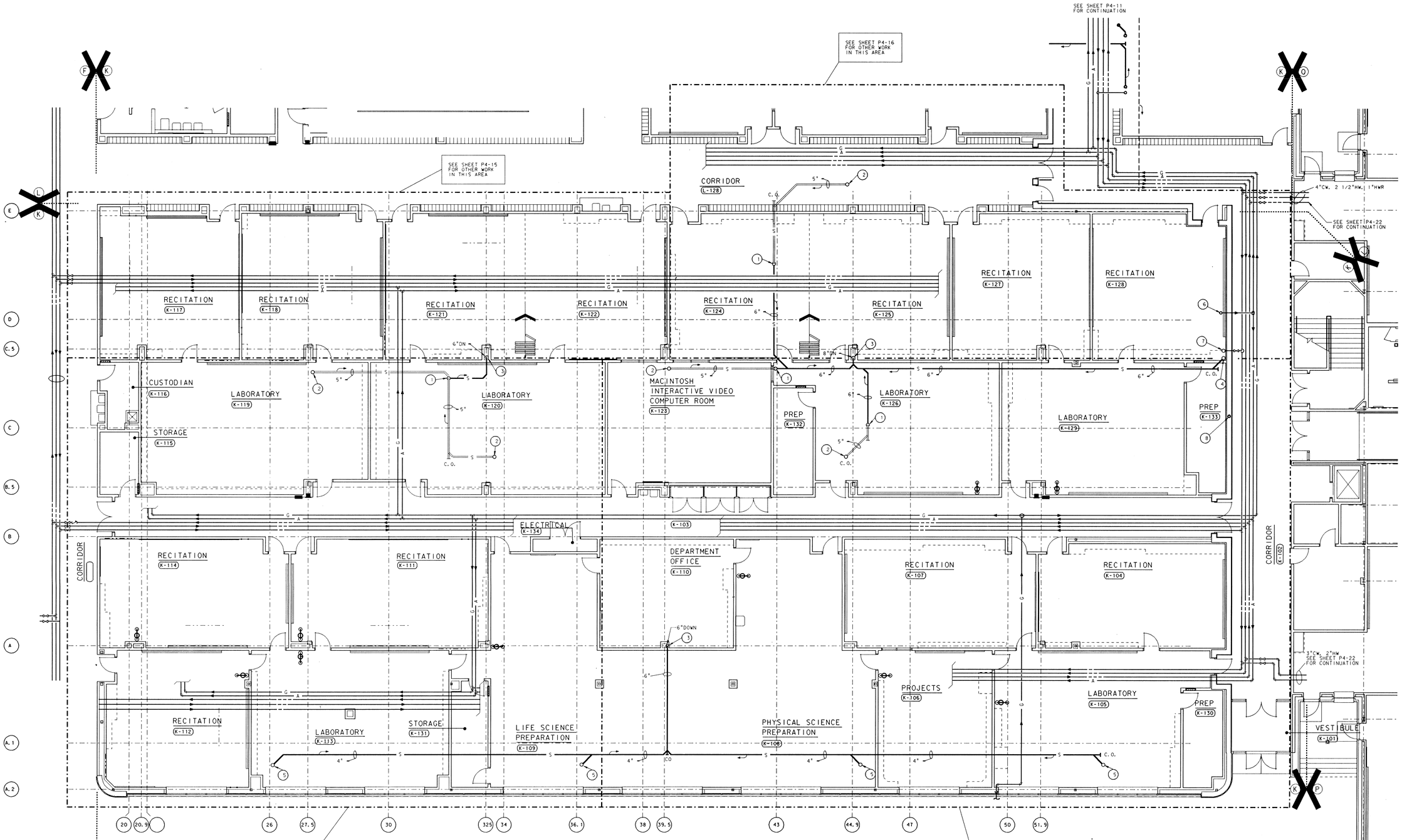
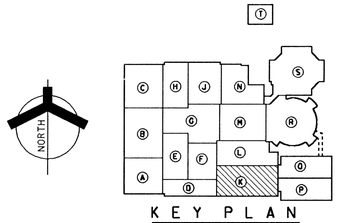
PLAN NOTES:

1. DISCONNECT EXISTING ROOF DRAIN DOWN. TIE INTO WITH NEW ROOF DRAIN PIPING.
2. EXISTING ROOF DRAIN PIPING UP TO EXISTING ROOF DRAIN. TO REMAIN.
3. NEW ROOF DRAIN PIPE DOWN IN WALL. THRU FLOOR. FOR CONTINUATION SEE SHEET P3-10.
4. NEW 6" ROOF DRAIN UP. FOR CONTINUATION SEE SHEET P4-26.
5. NEW 4" ROOF DRAIN UP. FOR CONTINUATION SEE SHEET M2-3.
6. 2" COMPRESSED AIR UP. SEE SHEET P4-26.
7. 3/4" CW UP. SEE SHEET P4-26.
8. 4" W UP. SEE SHEET P4-26.
   4" W DOWN. SEE SHEET P3-10.
9. FOR PIPE SIZES SEE SHEETS P4-13, P4-14, P4-15 AND P4-16.



UNIT "K" PLUMBING FLOOR PLAN

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



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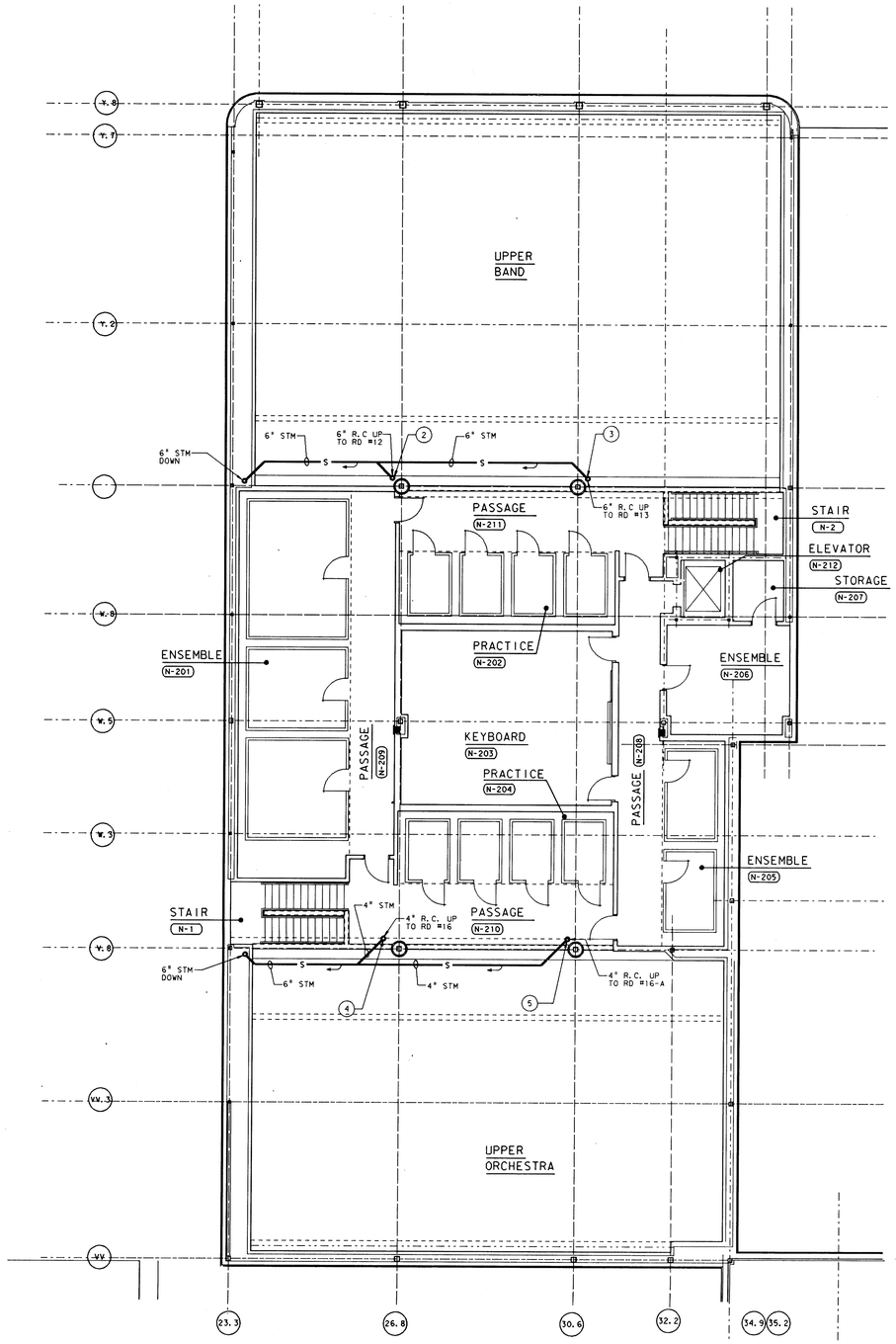
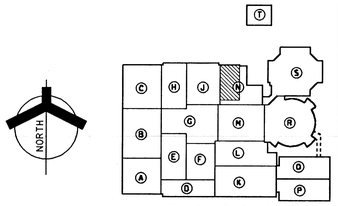
PLAN NOTES

1. SEE SHEET M0-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
2. 6" R.C. UP TO RD #12
3. 6" R.C. UP TO RD #13
4. 4" R.C. UP TO RD #16
5. 4" R.C. UP TO RD #16-A



UNIT "N" SECOND FLOOR PLUMBING PLAN

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



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PLAN NOTES

1. ALL OF THE FAN ROOMS ARE TO BE SPRINKLED. FEED LINES TO THESE AREAS ARE TO BE AS FOLLOWS:

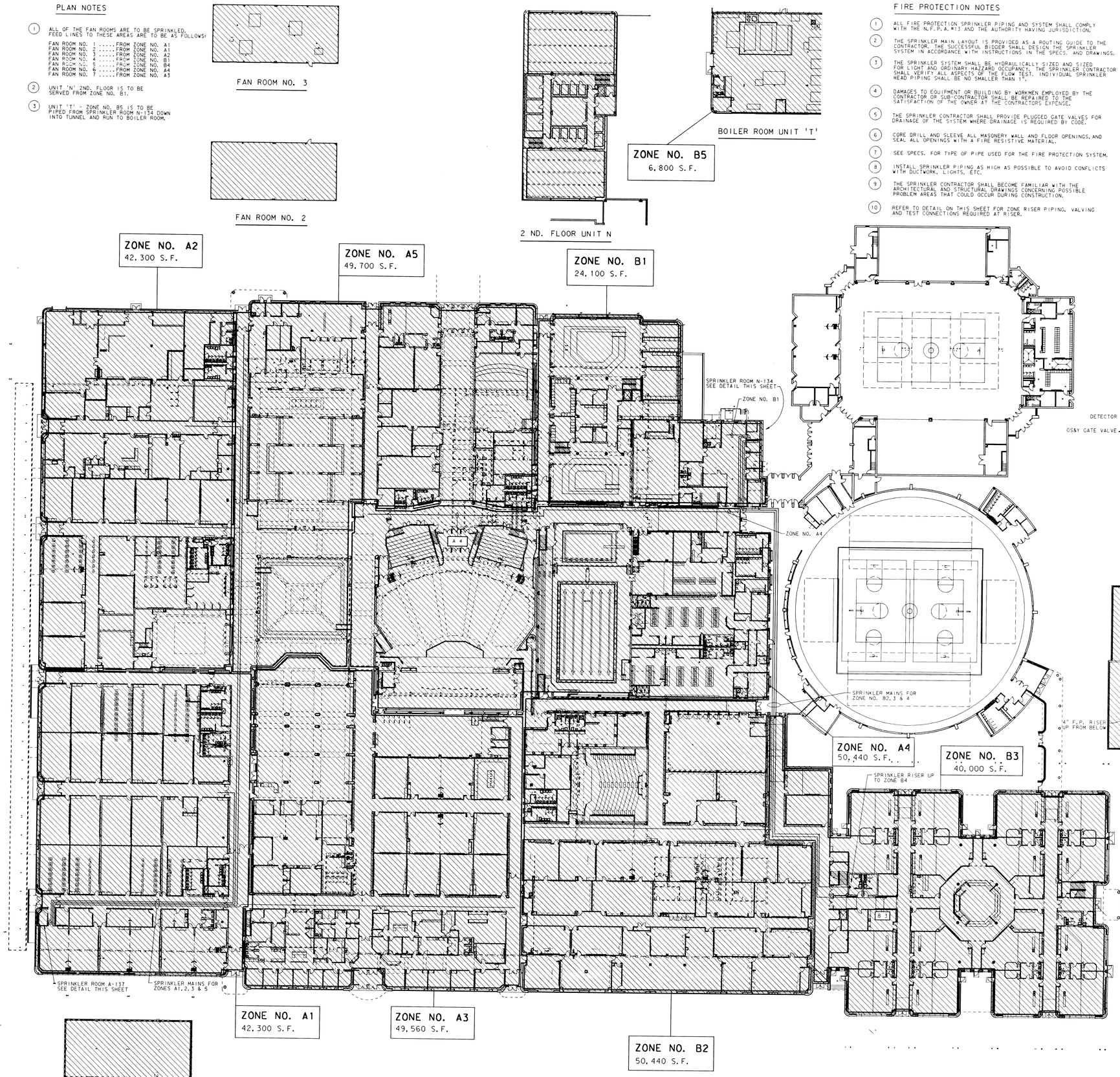
   FAN ROOM NO. 1 .....FROM ZONE NO. A1
   FAN ROOM NO. 2 .....FROM ZONE NO. A1
   FAN ROOM NO. 3 .....FROM ZONE NO. A2
   FAN ROOM NO. 4 .....FROM ZONE NO. B1
   FAN ROOM NO. 5 .....FROM ZONE NO. B4
   FAN ROOM NO. 6 .....FROM ZONE NO. A4
   FAN ROOM NO. 7 .....FROM ZONE NO. A3

2. UNIT 'N' 2ND. FLOOR IS TO BE SERVED FROM ZONE NO. B1.

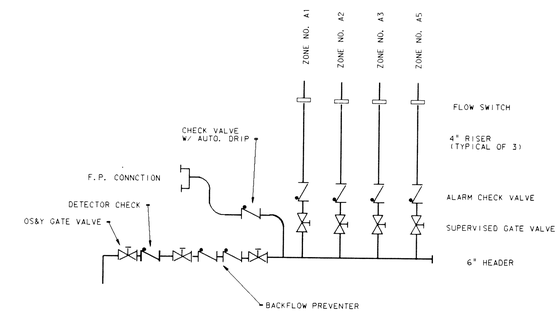
3. UNIT 'T' - ZONE NO. B5 IS TO BE PIPED FROM SPRINKLER ROOM N-134 DOWN INTO TUNNEL AND RUN TO BOILER ROOM.

FIRE PROTECTION NOTES

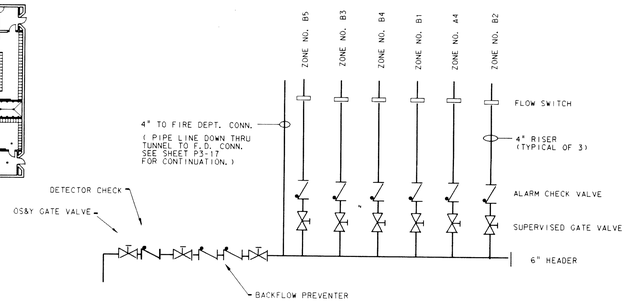
1. ALL FIRE PROTECTION SPRINKLER PIPING AND SYSTEM SHALL COMPLY WITH THE N.F.P.A. #13 AND THE AUTHORITY HAVING JURISDICTION.
2. THE SPRINKLER MAIN LAYOUT IS PROVIDED AS A ROUTING GUIDE TO THE CONTRACTOR. THE SUCCESSFUL BIDDER SHALL DESIGN THE SPRINKLER SYSTEM IN ACCORDANCE WITH INSTRUCTIONS IN THE SPECS. AND DRAWINGS.
3. THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY SIZED AND SIZED FOR LIGHT AND ORDINARY HAZZARD OCCUPANCY. THE SPRINKLER CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE FLOW TEST. INDIVIDUAL SPRINKLER HEAD PIPING SHALL BE NO SMALLER THAN 1".
4. DAMAGES TO EQUIPMENT OR BUILDING BY WORKMEN EMPLOYED BY THE CONTRACTOR OR SUB-CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTORS EXPENSE.
5. THE SPRINKLER CONTRACTOR SHALL PROVIDE PLUGGED GATE VALVES FOR DRAINAGE OF THE SYSTEM WHERE DRAINAGE IS REQUIRED BY CODE.
6. CORE DRILL AND SLEEVE ALL MASONERY WALL AND FLOOR OPENINGS, AND SEAL ALL OPENINGS WITH A FIRE RESISTIVE MATERIAL.
7. SEE SPECS. FOR TYPE OF PIPE USED FOR THE FIRE PROTECTION SYSTEM.
8. INSTALL SPRINKLER PIPING AS HIGH AS POSSIBLE TO AVOID CONFLICTS WITH DUCTWORK, LIGHTS, ETC.
9. THE SPRINKLER CONTRACTOR SHALL BECOME FAMILIAR WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS CONCERNING POSSIBLE PROBLEM AREAS THAT COULD OCCUR DURING CONSTRUCTION.
10. REFER TO DETAIL ON THIS SHEET FOR ZONE RISER PIPING, VALVING AND TEST CONNECTIONS REQUIRED AT RISER.



FIRE PROTTECTION COMPOSITE FLOOR PLAN
NOT TO SCALE

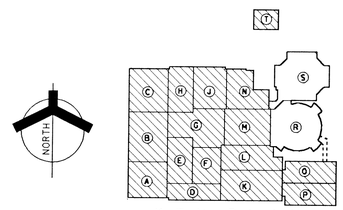


SPRINKLER ROOM A-137



SPRINKLER ROOM N-134

FIRE PROTECTION RISER DIAGRAM
NOT TO SCALE



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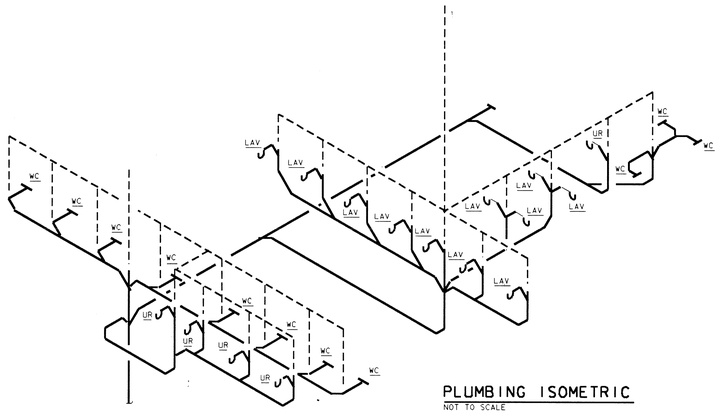
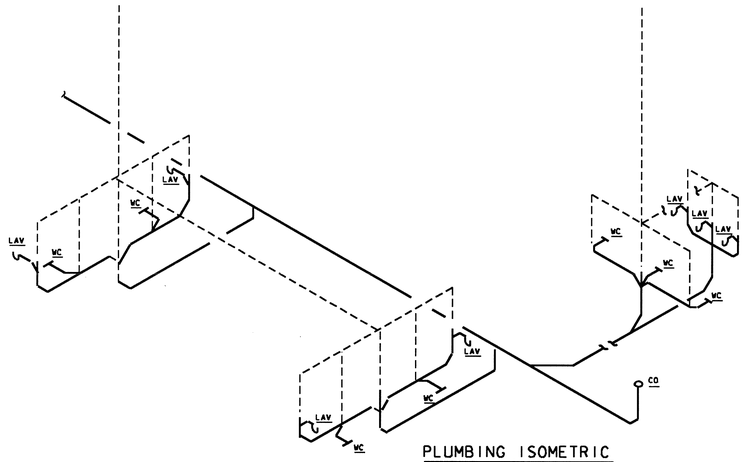


PLUMBING ISOMETRIC
NOT TO SCALE



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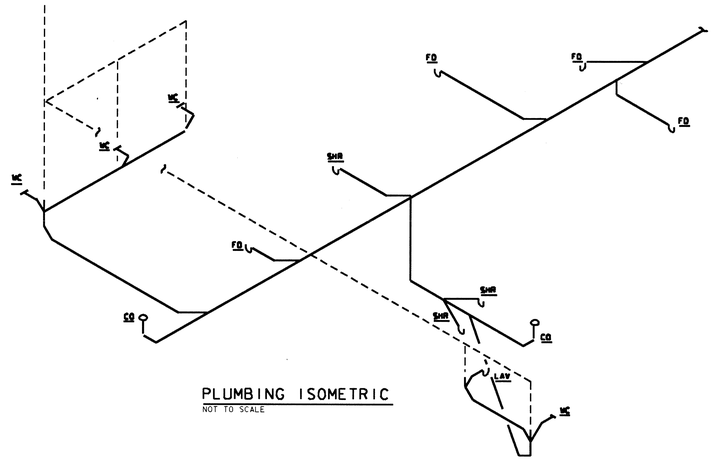

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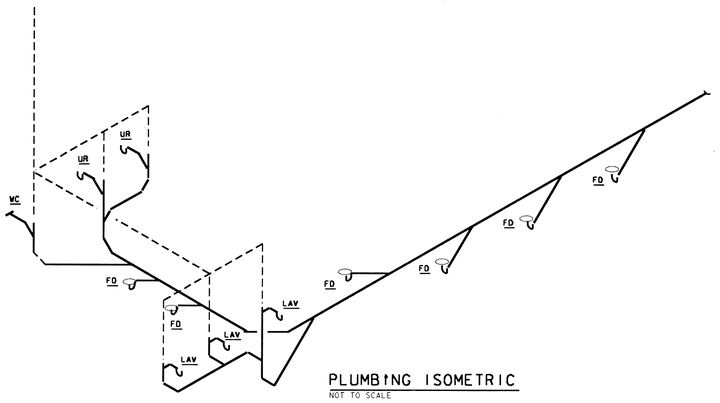

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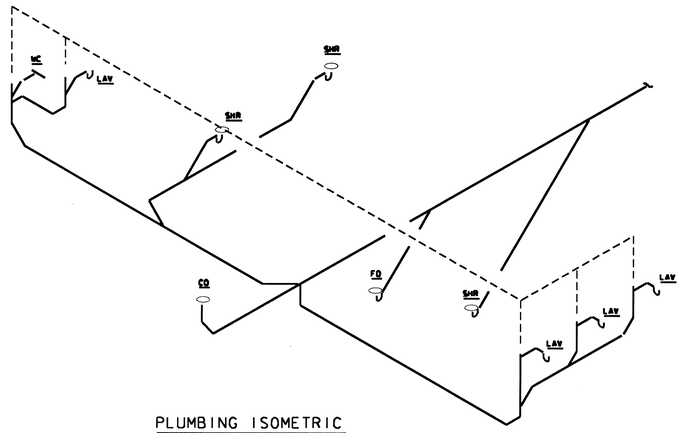

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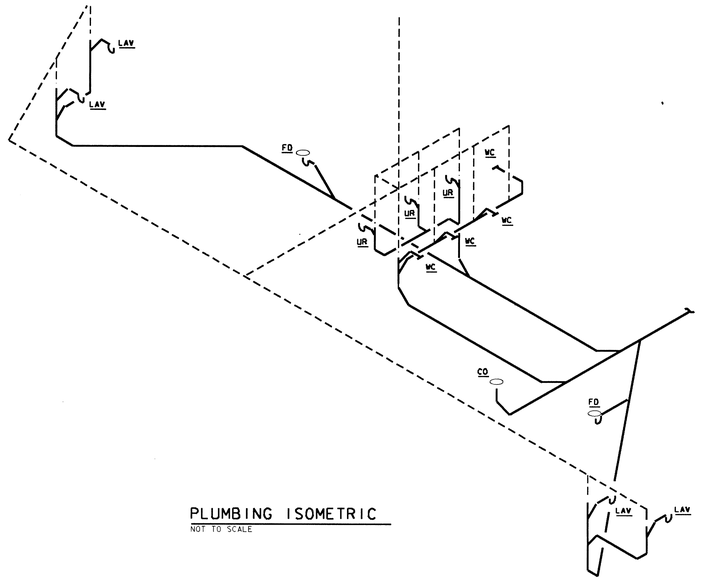

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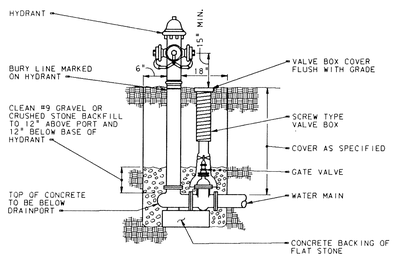
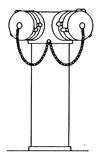


NOTES:

1. FIRE HYDRANT PUMPER NOZZLE SHALL BE TURNED TOWARD NEAREST FIRE TRUCK ACCESS (VERIFY WITH ARCHITECT'S REPRESENTATIVE).
2. FIRE HYDRANT HOSE AND PUMPER CONNECTIONS SHALL HAVE THE SAME TYPE AND NUMBER OF THREADS PER INCH TO MATCH THOSE OF THE LOCAL FIRE DEPARTMENT.

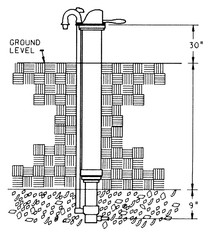
FIRE HYDRANT & VALVE BOX
NO SCALE

1 / P6-01



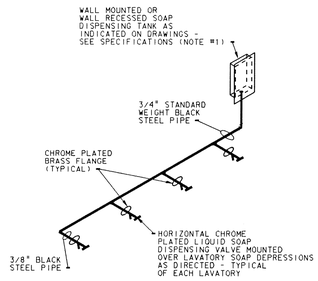
2-WAY SIDEWALK SIAMESE UNIT
NOT TO SCALE

2 / P6-01



SANITARY POST WATER HYDRANT DETAIL
NOT TO SCALE

3 / P6-01



SOAP DISPENSING SYSTEM INSTALLATION DIAGRAM
NOT TO SCALE

NOTES:

1. TOP OF SOAP TANK SHALL BE LOCATED AT 6'-6" ABOVE FLOOR.
2. THE NUMBER OF SOAP DISPENSING VALVES AND PIPING LAYOUT VARIES ACCORDING TO INDIVIDUAL TANK LOCATIONS AS SHOWN ON THE PLANS. SOAP SUPPLY PIPE HEADER IS 3/4" STANDARD WEIGHT BLACK STEEL WITH 3/8" BLACK STEEL PIPE BRANCHES TO INDIVIDUAL SOAP DISPENSING VALVES AT ALL LOCATIONS.

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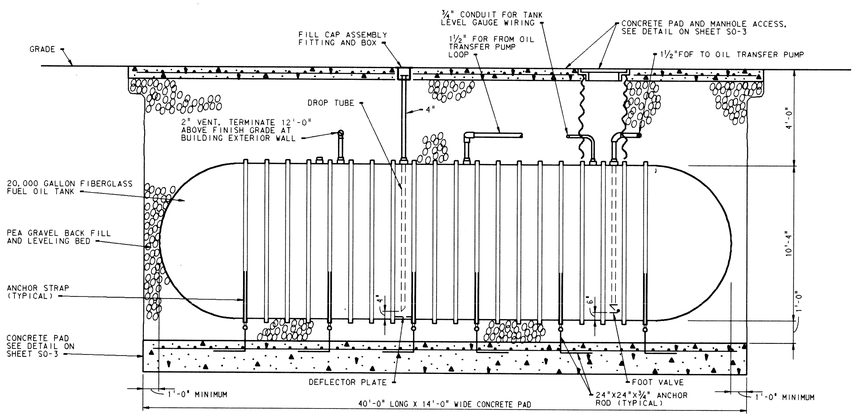
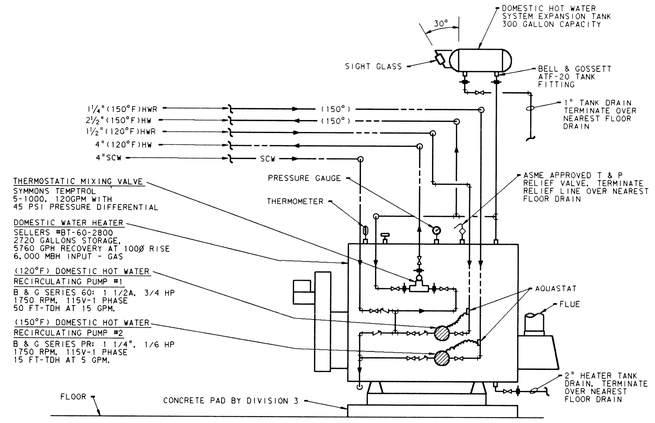
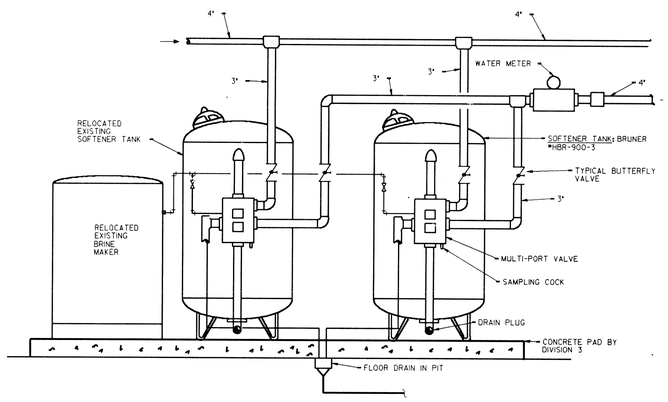


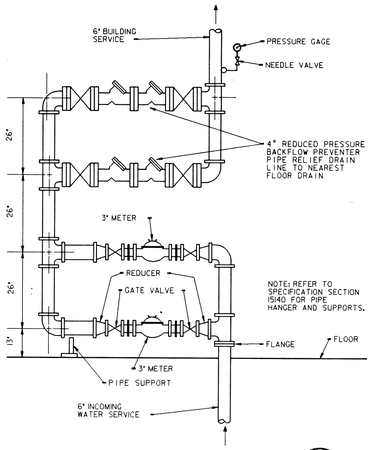
UNDERGROUND FUEL OIL STORAGE TANK DETAIL (1 / P6-2)
NOT TO SCALE



DOMESTIC WATER HEATER PIPING DETAIL (2 / P6-2)
NOT TO SCALE



WATER SOFTENER PIPING DETAIL (3 / P6-2)
NOT TO SCALE



WATER METER PIPING DETAIL (4 / P6-2)
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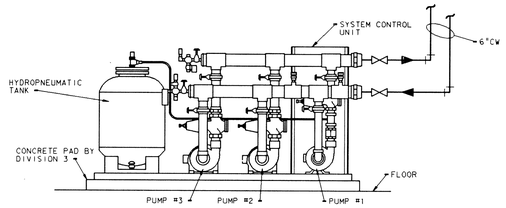

DOMESTIC WATER BOOSTER PUMP PIPING DETAIL (5 / P6-2)
NOT TO SCALE

NOTE:
DOMESTIC WATER BOOSTER PUMP SYSTEM, PACO PUMPS: PACOFLO 111 E106-2, 3500RPM TRIPLEX, 460 VOLT, 3 PHASE, 60 HERTZ, 500 GPM AT 69 PSI SYSTEM PRESSURE BOOST; PUMP #1 - 7½ HP MOTOR, PUMP #2 - 15 HP MOTOR, PUMP #3 - 15 HP MOTOR

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