

* SPRINKLERS INSTALLED IN ACCORDANCE WITH "NFPA 13"

** MINIMUM REQUIRED MEMBERS FOR THIS FIRE RATED FL. SLAB.

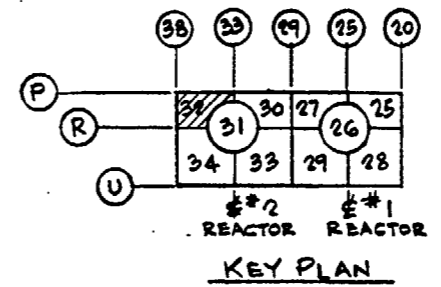
FIRE ZONE ABOVE FIRE RATED FLOOR SLAB: 2-GA.

FIRE ZONE BELOW FIRE RATED FLOOR SLAB: 2-5C & 2-5B.

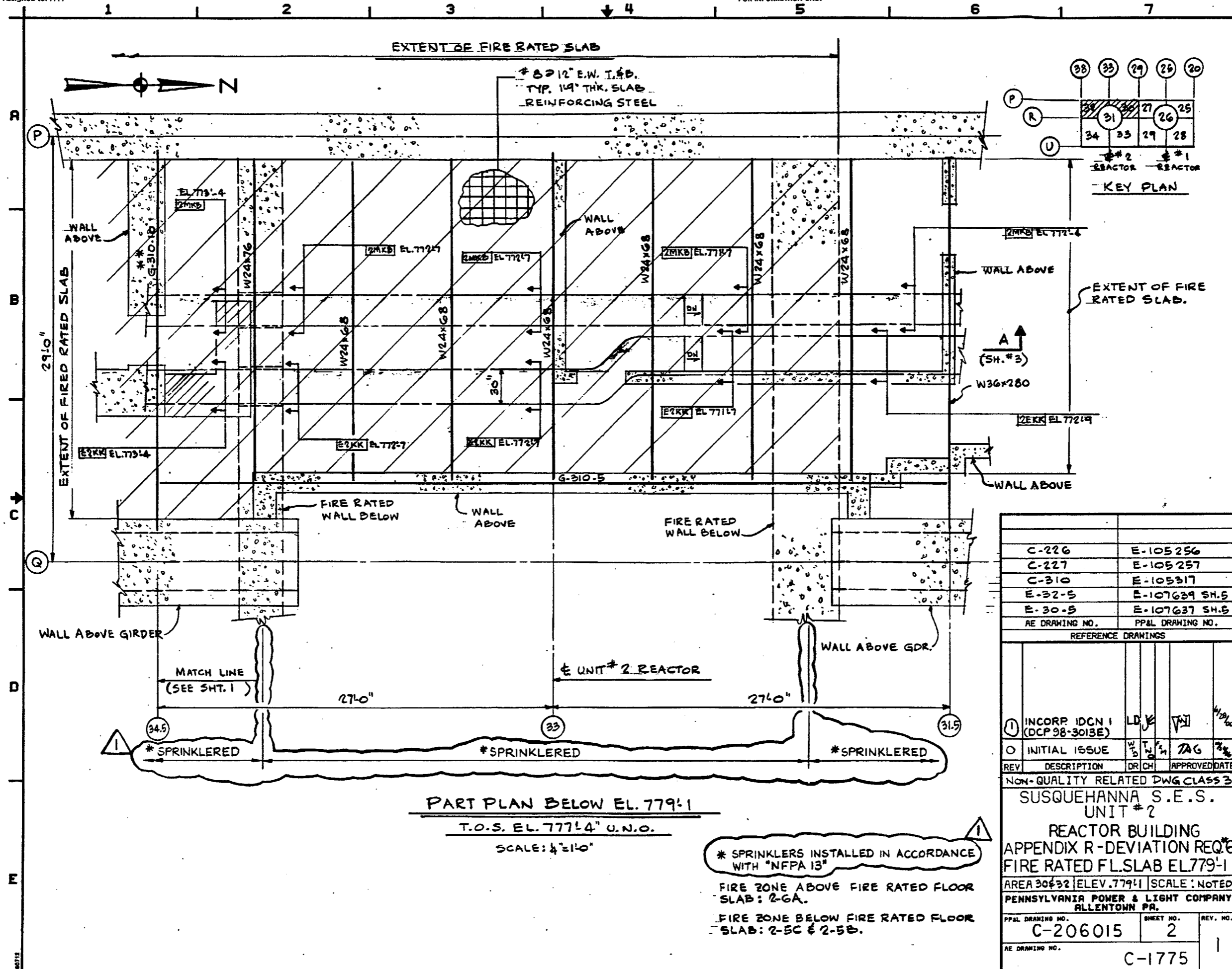
CABLE TRAY - ALL TRAYS ARE 24" WIDE OR LESS, UNLESS NOTED OTHERWISE.

CROSS HATCHING REPRESENTS FIRE RATED FLOOR SLAB.

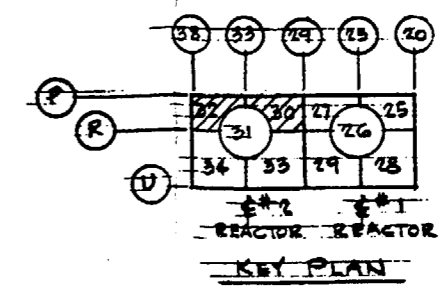
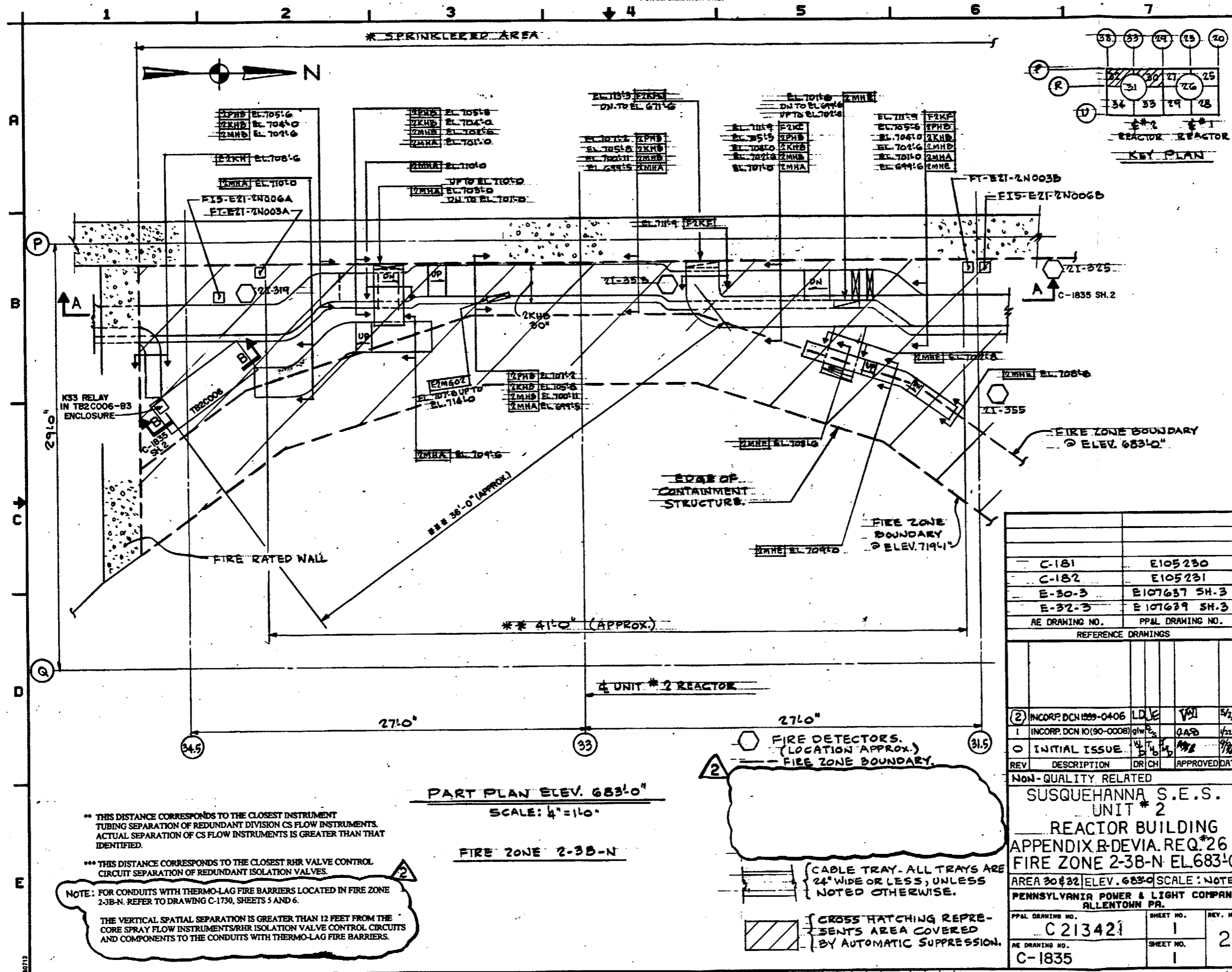
PART PLAN BELOW EL. 779'-1
 T.O.S. EL. 777'-4 O.N.O.
 SCALE: 1/4" = 1'-0"



C-227	E-105257
C-310	E-105317
E-32-5	E-107639 SH.5
AE DRAWING NO.	PPAL DRAWING NO.
REFERENCE DRAWINGS	
INCORP IDCN 1 (DCP 98-3013E)	LDJ WJ 6/28/00
INITIAL ISSUE	W T F H TAG 7/2/00
REV	DESCRIPTION DR CH APPROVED DATE
NON-QUALITY RELATED DWG CLASS 3	
SUSQUEHANNA S.E.S. UNIT #2	
REACTOR BUILDING	
APPENDIX R-DEVIATION REQ.#6	
FIRE RATED FL.SLAB EL.779'-1	
AREA 32	ELEV.779'-1 SCALE: NOTED
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.	
PPAL DRAWING NO.	SHEET NO. REV. NO.
C-206015	1 1
AE DRAWING NO.	C-1775



C-226	E-105256
C-227	E-105257
C-310	E-105317
E-32-5	E-107639 SH.5
E-30-5	E-107637 SH.5
AE DRAWING NO.	PPAL DRAWING NO.
REFERENCE DRAWINGS	
① INCORP IDCN 1 (DCP 98-3013E)	LD JF [initials] 1/28/00
② INITIAL ISSUE	W B T J M TAG 2/2
REV	DESCRIPTION DR CH APPROVED DATE
NON-QUALITY RELATED DWG CLASS 3	
SUSQUEHANNA S.E.S. UNIT #2 REACTOR BUILDING APPENDIX R-DEVIATION REQ.6 FIRE RATED F.L.SLAB EL.779'-1	
AREA 30632	ELEV. 779'-1 SCALE: NOTED
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.	
PPAL DRAWING NO.	SHEET NO.
C-206015	2
AE DRAWING NO.	REV. NO.
C-1775	1



** THIS DISTANCE CORRESPONDS TO THE CLOSEST INSTRUMENT TUBING SEPARATION OF REDUNDANT DIVISION CS FLOW INSTRUMENTS. ACTUAL SEPARATION OF CS FLOW INSTRUMENTS IS GREATER THAN THAT IDENTIFIED.

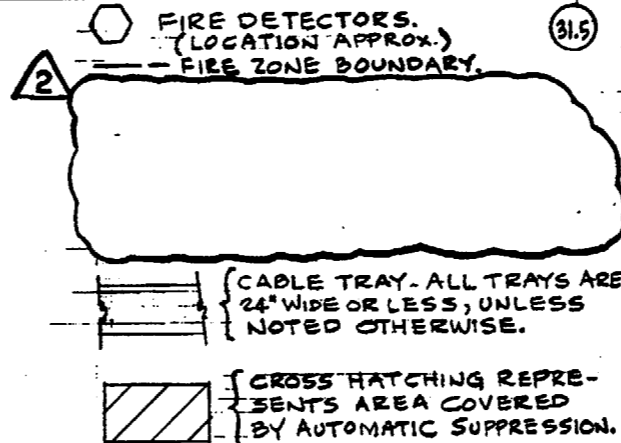
*** THIS DISTANCE CORRESPONDS TO THE CLOSEST RHR VALVE CONTROL CIRCUIT SEPARATION OF REDUNDANT ISOLATION VALVES.

NOTE: FOR CONDUITS WITH THERMO-LAG FIRE BARRIERS LOCATED IN FIRE ZONE 2-3B-N. REFER TO DRAWING C-1730, SHEETS 5 AND 6.

THE VERTICAL SPATIAL SEPARATION IS GREATER THAN 12 FEET FROM THE CORE SPRAY FLOW INSTRUMENTS/RHR ISOLATION VALVE CONTROL CIRCUITS AND COMPONENTS TO THE CONDUITS WITH THERMO-LAG FIRE BARRIERS.

PART PLAN ELEV. 683'-0"
SCALE: 1/4" = 1'-0"

FIRE ZONE 2-3B-N



C-181	E105230
C-182	E105231
E-30-3	E107637 SH.3
E-32-3	E107639 SH.3
AE DRAWING NO.	PPAL DRAWING NO.
REFERENCE DRAWINGS	
2	INCORP. DCN 1009-0406 LDJE VSI 5/2/00
1	INCORP. DCN 10(90-0008) glw/gas QAB 4/22/00
0	INITIAL ISSUE WTB/MS 9/1/97
REV	DESCRIPTION DR/CH APPROVED DATE
NON-QUALITY RELATED	
SUSQUEHANNA S.E.S.	
UNIT # 2	
REACTOR BUILDING	
APPENDIX B-DEVI. REQ.#26	
FIRE ZONE 2-3B-N EL683'-0"	
AREA 30#32 ELEV. 683'-0" SCALE: NOTED	
PENNSYLVANIA POWER & LIGHT COMPANY	
ALLENTOWN PA.	
PPAL DRAWING NO.	SHEET NO.
C 213421	1
AE DRAWING NO.	SHEET NO.
C-1835	1
	2

PPAL FORM 3555C (1/94)

60712

FRACTIONAL 1 2 2 1 0

DECIMAL 1 0

G 2 A 8 2 G G G G G C F

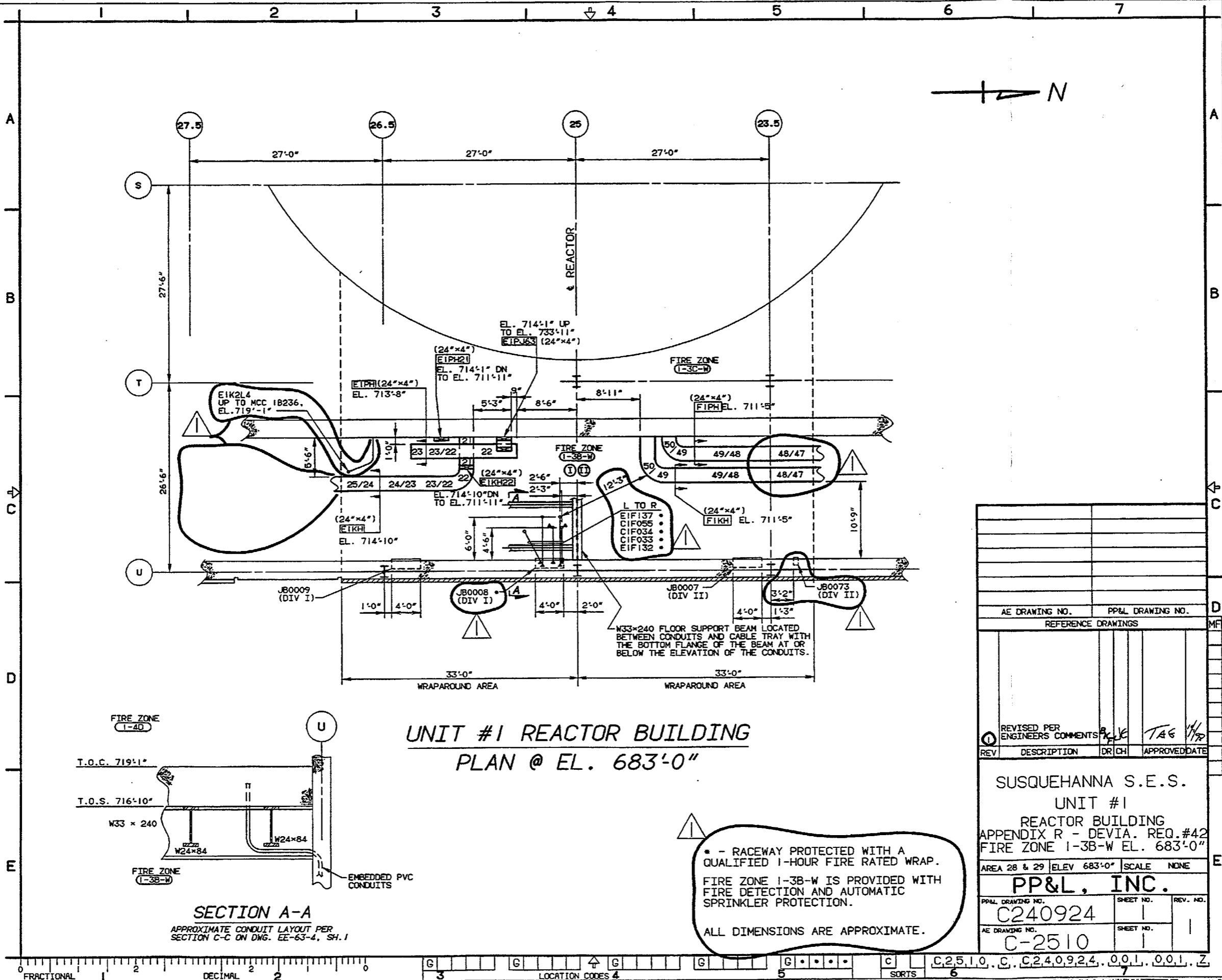
LOCATION CODES

SORTS

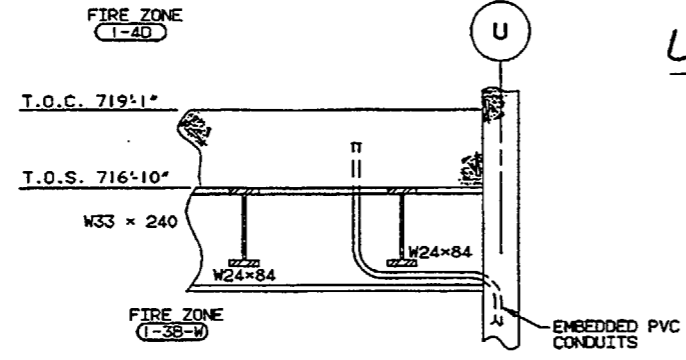
Expires on ???

FOR INFORMATION ONLY

EVER-JOHN H. WA. NO. = N/A



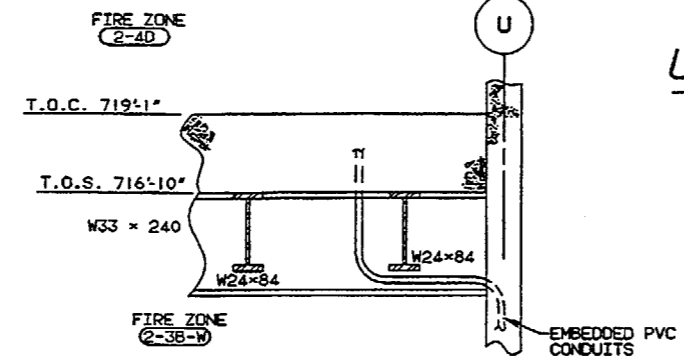
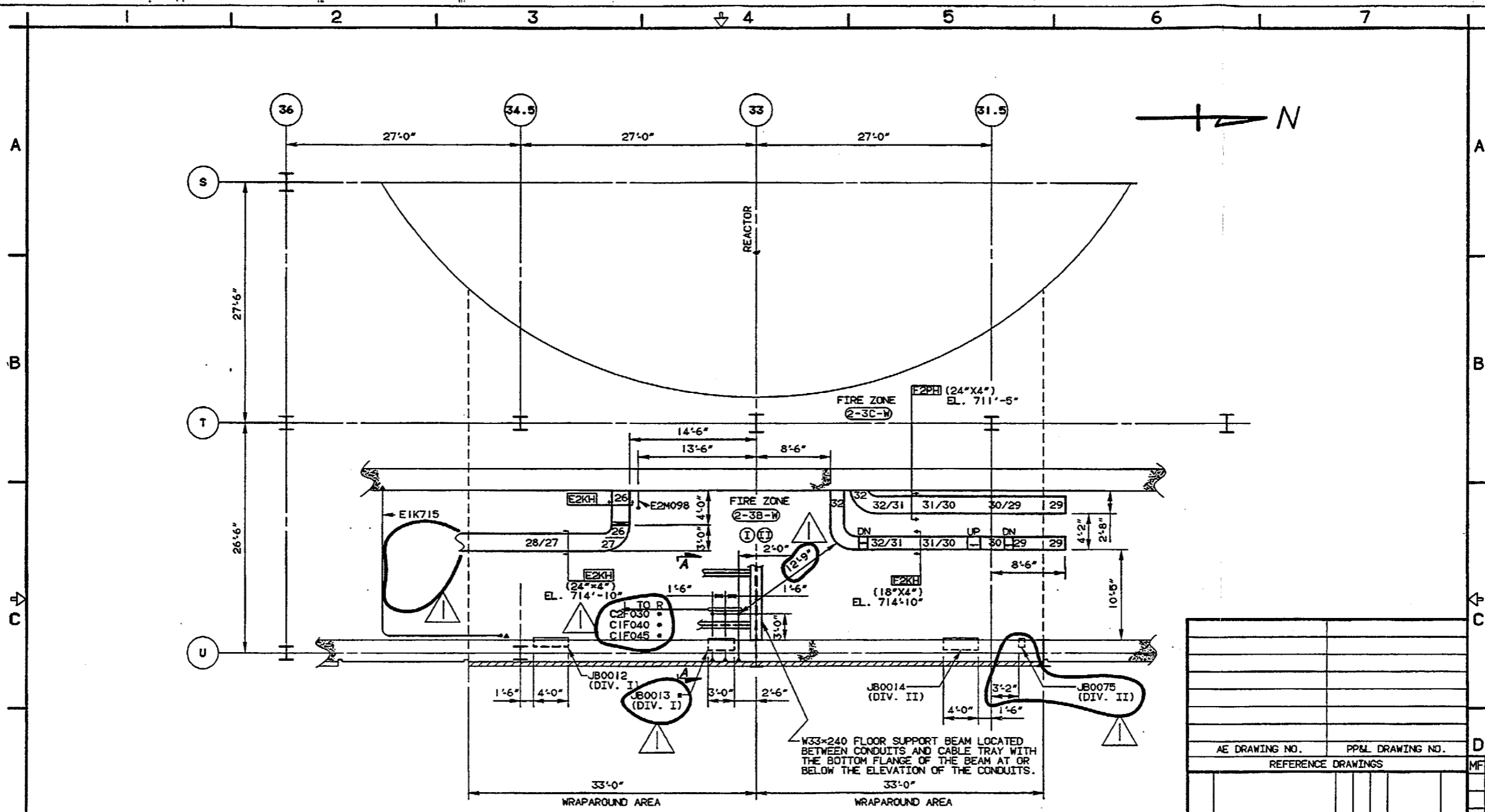
UNIT #1 REACTOR BUILDING
PLAN @ EL. 683'-0"



* - RACEWAY PROTECTED WITH A QUALIFIED 1-HOUR FIRE RATED WRAP.
 FIRE ZONE 1-3B-W IS PROVIDED WITH FIRE DETECTION AND AUTOMATIC SPRINKLER PROTECTION.
 ALL DIMENSIONS ARE APPROXIMATE.

AE DRAWING NO.		PP&L DRAWING NO.	
REFERENCE DRAWINGS			
REVISED PER ENGINEERS COMMENTS: <i>JK</i> TAG <i>1/17</i>			
REV	DESCRIPTION	DR	CH
SUSQUEHANNA S.E.S. UNIT #1 REACTOR BUILDING APPENDIX R - DEVIA. REQ.#42 FIRE ZONE 1-3B-W EL. 683'-0"			
AREA 28 & 29	ELEV 683'-0"	SCALE	NONE
PP&L, INC.			
PP&L DRAWING NO.	SHEET NO.	REV. NO.	
C240924	1	1	
AE DRAWING NO.	SHEET NO.		
C-2510	1		

FOR INFORMATION ONLY

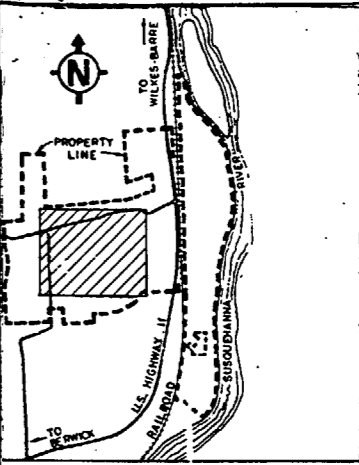
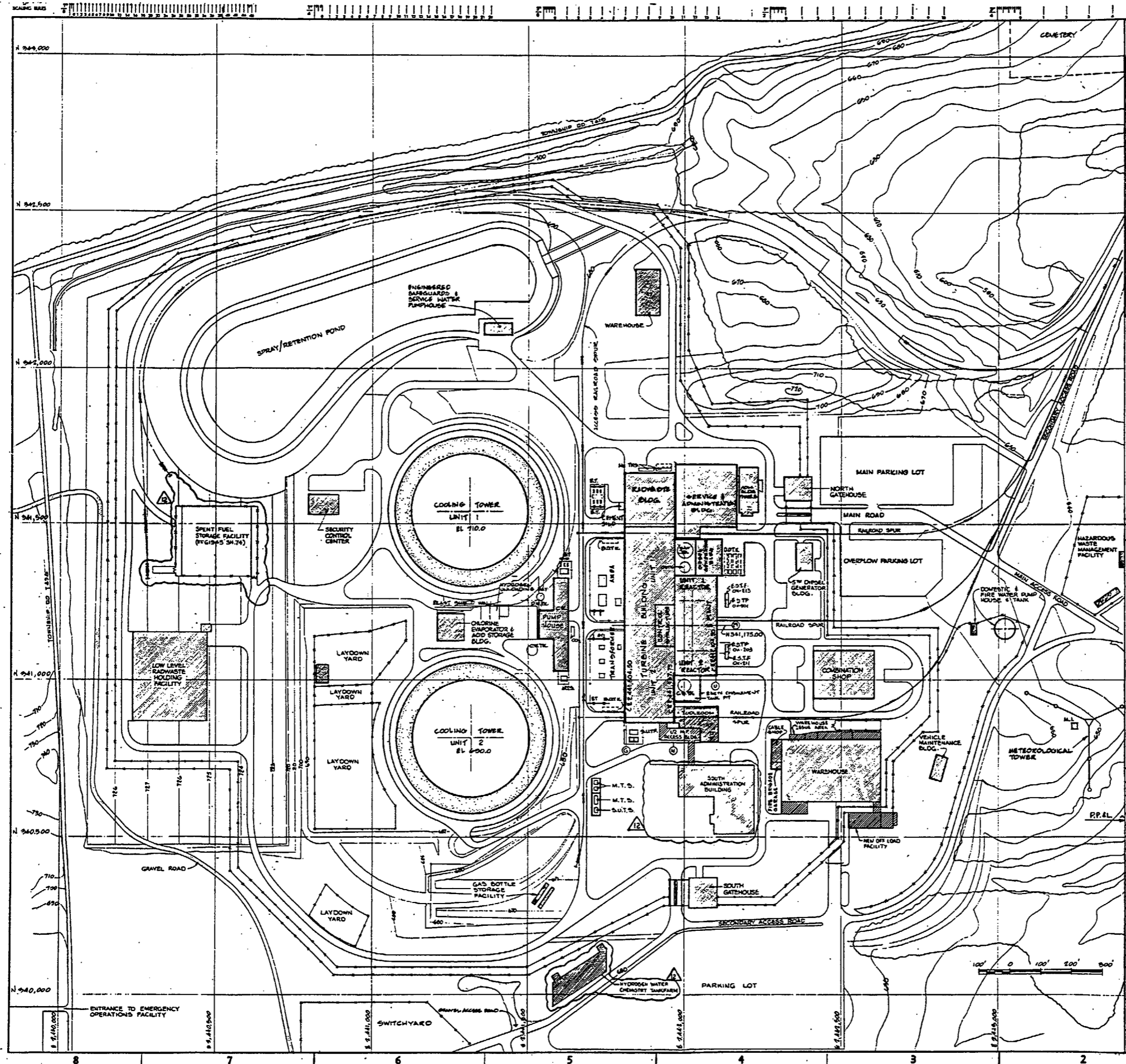


**UNIT #2 REACTOR BUILDING
PLAN @ EL. 683'-0"**

* - RACEWAY IS PROTECTED WITH A QUALIFIED 1-HOUR FIRE RATED WRAP.
 FIRE ZONE 2-3B-W IS PROVIDED WITH FIRE DETECTION AND AUTOMATIC SPRINKLER PROTECTION.
 ALL DIMENSIONS ARE APPROXIMATE.

AE DRAWING NO.		PP&L DRAWING NO.	
REFERENCE DRAWINGS			
REVISED PER ENGINEERS COMMENTS	REV	DESCRIPTION	APPROVED DATE
SUSQUEHANNA S.E.S. UNIT #2 REACTOR BUILDING APPENDIX R - DEVIA. REQ.#42 FIRE ZONE 2-3B-W EL. 683'-0"			
AREA 33 & 34	ELEV 683'-0"	SCALE	NONE
PP&L, INC.			
PP&L DRAWING NO. C240924	SHEET NO. 2	REV. NO.	1
AE DRAWING NO. C-2510	SHEET NO. 2		

This drawing and the design it covers are the property of BECHTEL. They are hereby loaned out to the borrower's express agreement that they will not be reproduced, copied, loaned, withheld, or used in any way not intended by the lender to the borrower.



KEY PLAN
SCALE 1"=2000'

LEGEND

D.O.T.C.	DIESEL OIL TANKS - UNDERGROUND
B.O.T.C.	BATCH OIL TANKS - UNDERGROUND
C.O.T.C.	CONDENSATE STORAGE TANKS
C.W.T.C.	CHILLED WATER TANK
D.W.T.C.	DEMINERALIZED WATER TANK
R.W.T.C.	RAW WATER TANK
F.L.S.	FLOOR ELEVATION
E.S.T.P.	ENGINEERED SAFEGUARD TRANSFORMERS
S.U.T.P.	START-UP TRANSFORMERS
E.T.	ELECTRICAL TOWER
G.T.C.	GAS TANK UNDERGROUND
M.I.	METEOROLOGICAL INSTRUMENTS
M.T.S.	METRODASH TANKS
M.T.S.	MAIN TRANSFORMER SPARE
S.U.T.S.	START-UP TRANSFORMER SPARE

GENERAL NOTES

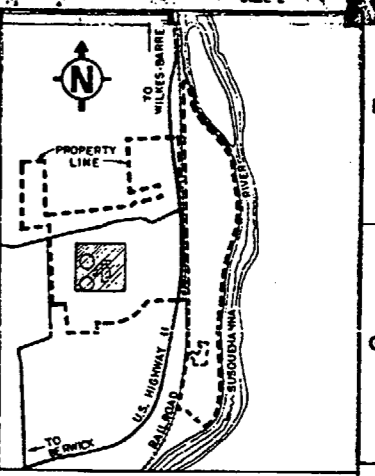
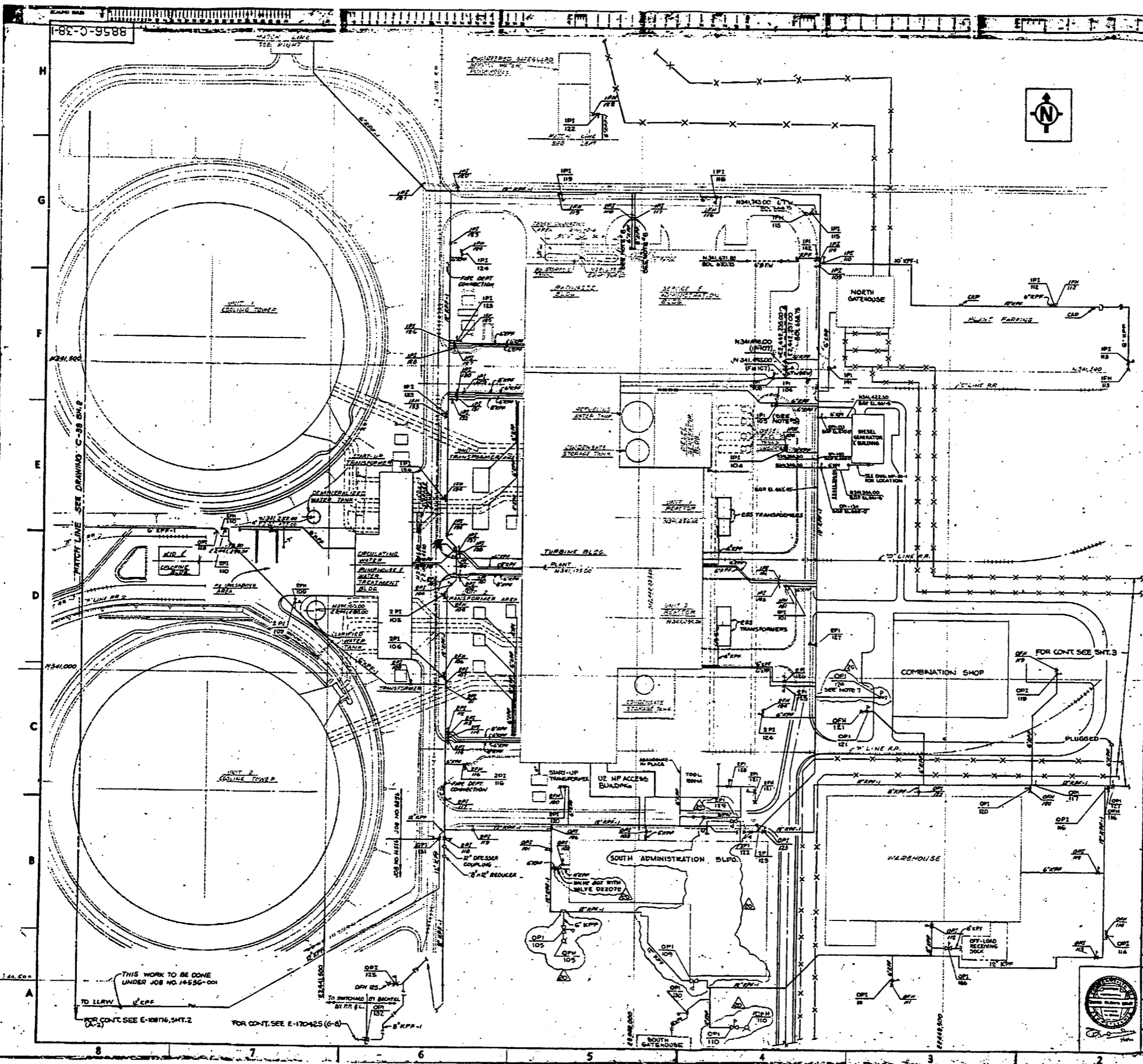
1. THIS DRAWING IS ISSUED FOR GENERAL ARRANGEMENT OF FENCING AND PATROL ROADS ONLY. SITE FEATURES SHOWN ARE APPROXIMATE. REFER TO THE APPROPRIATE CIVIL DRAWINGS FOR FENCE LOCATION AND DETAILED SITE INFORMATION.
2. LAND CONTOURS SHOWN REPRESENT FINAL GENERAL GRADE. FOR SPECIFIC GRADING INFORMATION REFER TO CIVIL DRAWINGS.

NO.	DATE	DESCRIPTION	BY	CHKD.	APP'D.
9	1/14/64	INCORP. EDCN 5 (DCP 07-3034) & THE COMMENTS	JL	PL	WJ
8	1/14/64	INCORP. EDCN 3 (DCP 00-807) & GENERAL SITE AD-DULT UPDATE	JL	PL	WJ
7	1/14/64	INCORP. EDCN 4 (DCP 05/3/55)	JL	PL	WJ
6	1/14/64	INCORP. EDCN 2 (DCP 01-1778)	JL	PL	WJ
5	1/14/64	INCORP. EDCN 1 (DCP 01-5914) & LOCAL 8-003(BA)	JL	PL	WJ
4	1/14/64	REVISED BY: (DCP 07-3034) & (DCP 07-3034)	JL	PL	WJ
3	1/14/64	REVISED BY: (DCP 07-3034) & (DCP 07-3034)	JL	PL	WJ
2	1/14/64	REVISED AS NOTED	JL	PL	WJ
1	1/14/64	INCORP. EDCN 1 (DCP 01-1778) & (DCP 01-1778)	JL	PL	WJ
10	1/14/64	INCORP. EDCN 1 (DCP 01-1778) & (DCP 01-1778)	JL	PL	WJ

PENNSYLVANIA POWER & LIGHT COMPANY
 ALLANTON, PENNSYLVANIA
 PENNSYLVANIA STEAM ELECTRIC STATION - UNIT 1, UNIT 2
 BECHTEL - SAN FRANCISCO

SITE ARRANGEMENT

PP&L DRAWING NO. **E105002** (SHEET NO. **1**)
 P & E DRAWING NO. **A-3** (SHEET NO. **12**)



KEY PLAN
SCALE 1:2000'

- NOTES**
- FOR P.I.D. SEE DWG. 8856-N-122.
 - PIPING MATERIALS TO BE IN ACCORDANCE WITH SPECIFICATION 8886-C-31.
 - PIPE TO BE INSTALLED IN ACCORDANCE WITH SPECIFICATION 8886-C-32.
 - FOR DETAILS SEE DWG. 8856-C-53.
 - VALVE AND POST INDICATOR WITH OPERATOR REMOVED.
 - VALVE ONLY, NO POST INDICATOR.
 - POST INDICATOR VALVE OPI-124, LOCATED AT THE COMBO SHOP, SERVES NO FIRE PROTECTION EQUIPMENT AND IS TO BE MAINTAINED CLOSED.

LEGEND

- FIRE HYDRANT WITH HOSE HOUSE AND POST-INDICATOR VALVE.
- POST-INDICATOR VALVE.
- DELUGE SYSTEM PIPE AND RISER.

THIS DRAWING IS TO BE USED FOR PIPING WATER SYSTEM.
BACKGROUND EQUIPMENT MAY NOT BE CORRECT AS TO LOCATION OR SIZE.

REFERENCE DWG'S.		REFERENCE DWG'S.	
SYMBOL NO.	PL. NO.	SYMBOL NO.	PL. NO.
N-122	E 20577-1	C-46	E 20578 SH-7
C-30	E 20578-2	C-48	E 20578 SH-8
C-40	E 20578 SH-1	C-49	E 20578 SH-9
C-41	E 20578 SH-2	C-49 SH-1	E 20578 SH-9
C-42	E 20578 SH-3	C-49 SH-2	E 20578 SH-9
C-44	E 20578 SH-5	C-51	E 20579
C-45 SH-1	E 20578 SH-6	M-139	A 205941
C-45 SH-2	E 20578 SH-6	M-141	A 205945
M-142	A 205946	BAP-DI-1	E 198494

REV.	DESCRIPTION	DATE	APPROVED
18	INCORP DCN 3-2909	LD	PL
17	INCORP ENGINEERING COMMENTS	LD	PL
16	INCORP IDCN 7 (E 1000-037) & PCN 88-117 (E 1000-037) IDCN 8 (E 1000-037)	D	PL
20	INCORP IDCN 11 (E 1000-037) IDCN 12 (E 1000-037) PCN 97-0295 & PCN 1999-0465	PL	LD
19	INCORP IDCN 9 (E 1000-037) AND IDCN 10 (E 1000-037)	PL	LD

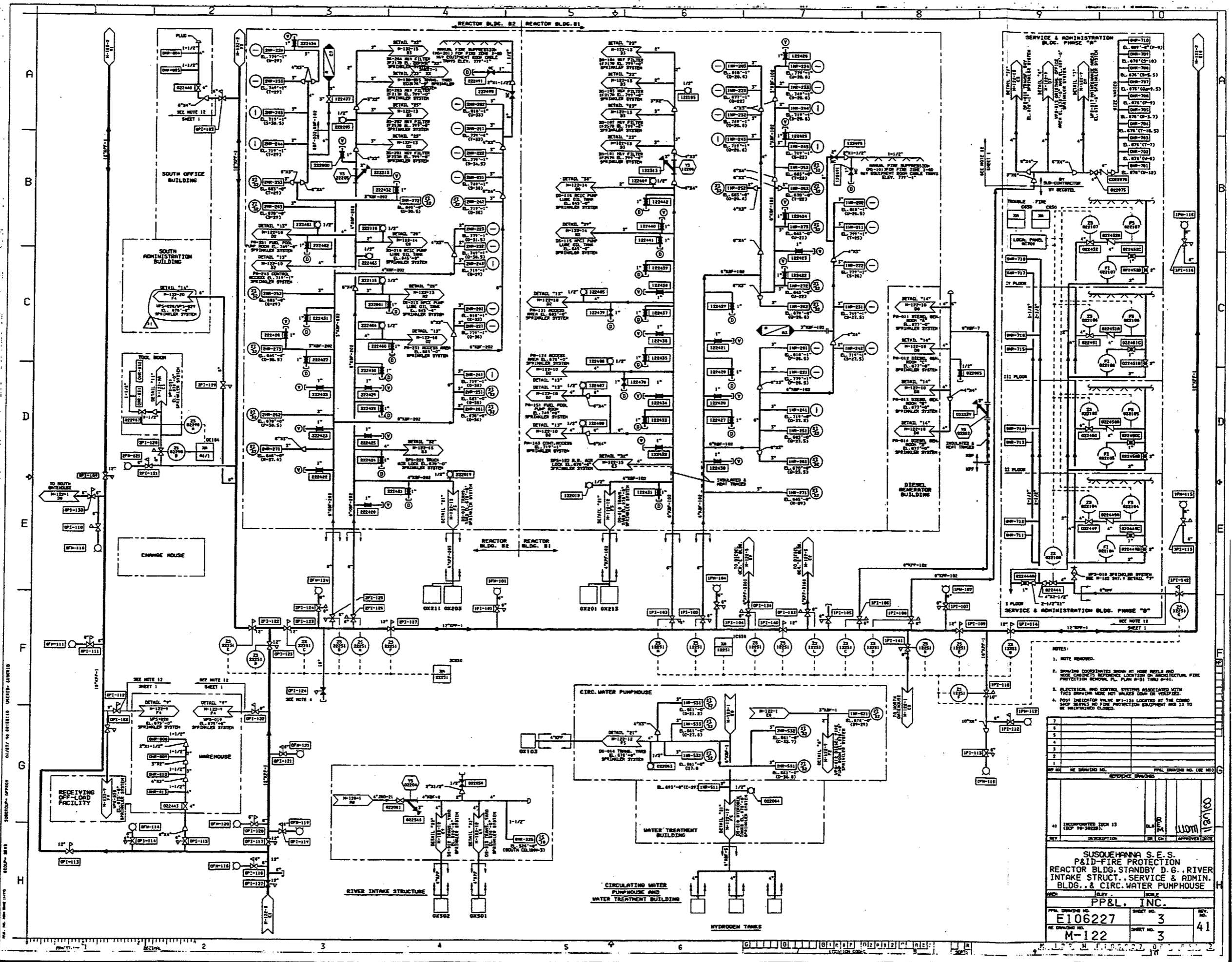
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN, PENNSYLVANIA
SCHUBERTS DAM ELECTRIC STATION - UNIT 1, UNIT 2

PROJECT - SEE PREVIOUS

SITE & YARD DEVELOPMENT UNDERGROUND YARD PIPING FIRE PROTECTION SYSTEM

PPS - DRAWING NO.	E105176	SHEET NO.	1
P.L. DRAWING NO.	C-38	SHEET NO.	20

FOR INFORMATION ONLY



- NOTES:
- NOTE REMOVED.
 - SHOWING COORDINATES SHOW AT HOSE WELLS AND HOSE CABINETS REFERENCED LOCATION ON ARCHITECTURAL FIRE PROTECTION RECORDS, PL. PLAN P-51, TRAY P-11.
 - ELECTRICAL AND CONTROL SYSTEMS ASSOCIATED WITH THIS SPRINKLER SYSTEM NOT PLOTTED UNDER THIS SHEET.
 - POST INDICATOR VALVE #P-1-124 LOCATED AT THE COMB SHOP SERVICES NO. FIRE PROTECTION EQUIPMENT HAS TO BE MAINTAINED CLOSED.

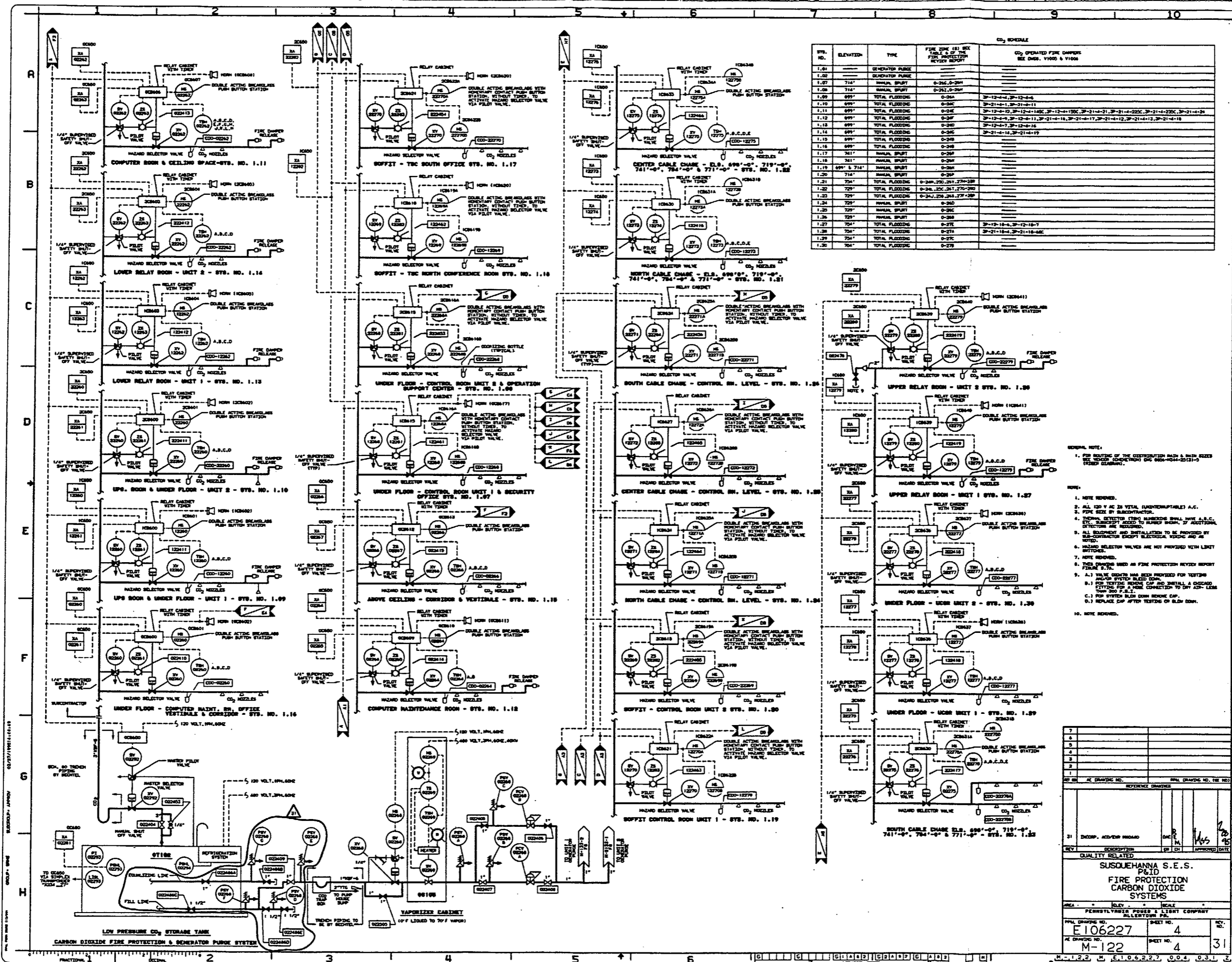
NO.	REVISION	DATE	BY	DESCRIPTION
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

PP&L SHEET NO.	PP&L DRAWING NO. (IF ANY)
E106227	3
M-122	3
SHEET NO.	41

SUSQUEHANNA S.E.S.
 P&ID-FIRE PROTECTION
 REACTOR BLDG. STANDBY D.G., RIVER
 INTAKE STRUCT., SERVICE & ADMIN.
 BLDGS., & CIRC. WATER PUMPHOUSE

SCALE: AS SHOWN

PP&L, INC.

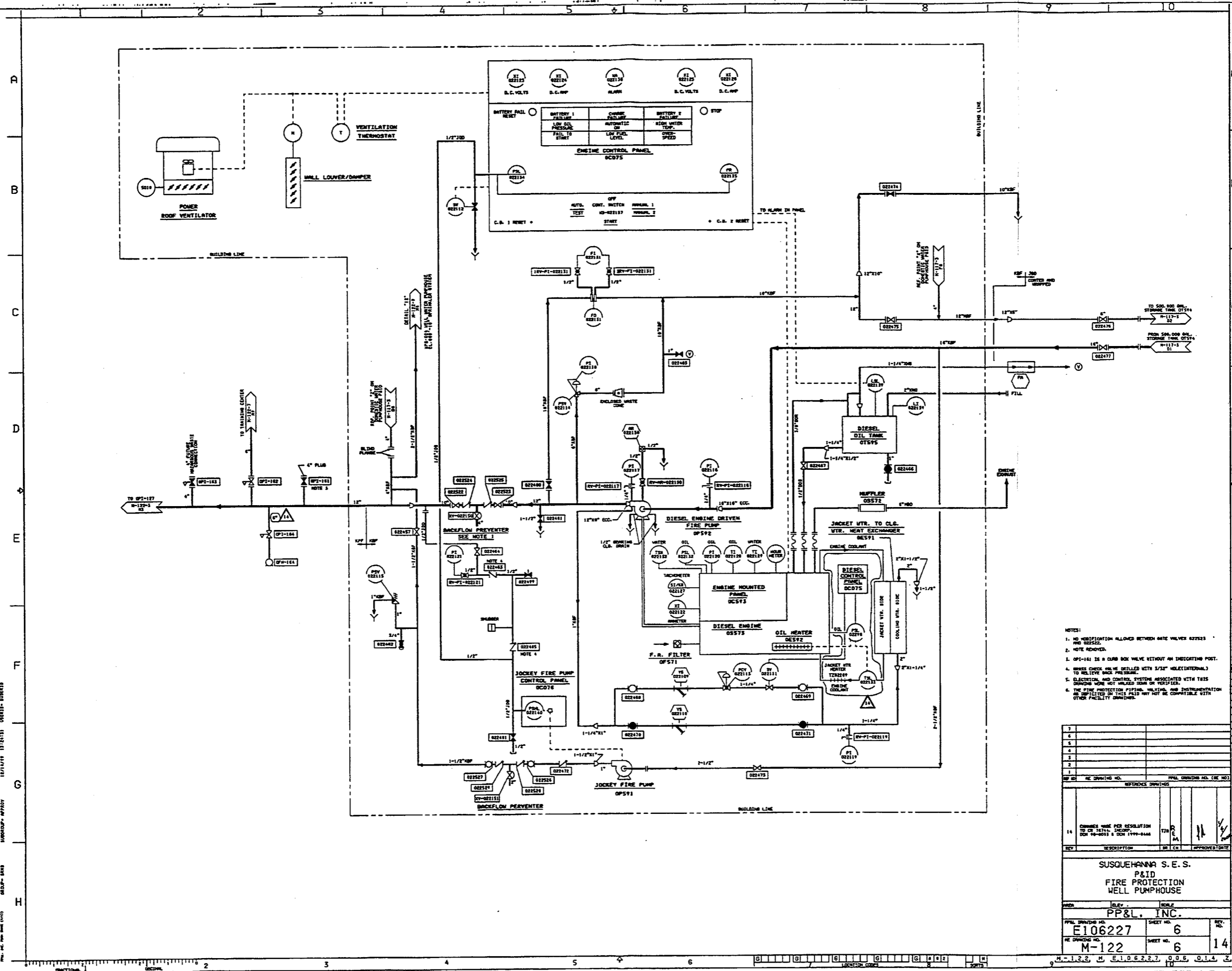


CO₂ SCHEDULE

STY. NO.	ELEVATION	TYPE	FIRE ZONE (BY BOX TABLE & BY THE FIRE PROTECTION REVISION REPORT)	CO ₂ OPERATED FIRE DAMPER SEE DES. V1000 & V1006
1.01	---	GENERATOR PURGE	---	---
1.02	---	GENERATOR PURGE	---	---
1.07	714'	MANUAL SHUT	0-241, 0-244	---
1.08	714'	MANUAL SHUT	0-241, 0-244	---
1.09	699'	TOTAL FLOODING	0-244	3P-12-4-1, 3P-12-4-4
1.10	699'	TOTAL FLOODING	0-244	3P-21-4-1, 3P-21-4-11
1.11	699'	TOTAL FLOODING	0-244	3P-12-4-1, 3P-12-4-11, 3P-12-4-12, 3P-12-4-13, 3P-12-4-14, 3P-12-4-15, 3P-12-4-16, 3P-12-4-17, 3P-12-4-18, 3P-12-4-19, 3P-12-4-20, 3P-12-4-21, 3P-12-4-22, 3P-12-4-23, 3P-12-4-24
1.12	699'	TOTAL FLOODING	0-244	3P-12-4-1, 3P-12-4-11, 3P-12-4-12, 3P-12-4-13, 3P-12-4-14, 3P-12-4-15, 3P-12-4-16, 3P-12-4-17, 3P-12-4-18, 3P-12-4-19, 3P-12-4-20, 3P-12-4-21, 3P-12-4-22, 3P-12-4-23, 3P-12-4-24
1.13	699'	TOTAL FLOODING	0-244	3P-12-4-1, 3P-12-4-11, 3P-12-4-12, 3P-12-4-13, 3P-12-4-14, 3P-12-4-15, 3P-12-4-16, 3P-12-4-17, 3P-12-4-18, 3P-12-4-19, 3P-12-4-20, 3P-12-4-21, 3P-12-4-22, 3P-12-4-23, 3P-12-4-24
1.14	699'	TOTAL FLOODING	0-244	3P-12-4-1, 3P-12-4-11, 3P-12-4-12, 3P-12-4-13, 3P-12-4-14, 3P-12-4-15, 3P-12-4-16, 3P-12-4-17, 3P-12-4-18, 3P-12-4-19, 3P-12-4-20, 3P-12-4-21, 3P-12-4-22, 3P-12-4-23, 3P-12-4-24
1.15	699'	TOTAL FLOODING	0-244	3P-12-4-1, 3P-12-4-11, 3P-12-4-12, 3P-12-4-13, 3P-12-4-14, 3P-12-4-15, 3P-12-4-16, 3P-12-4-17, 3P-12-4-18, 3P-12-4-19, 3P-12-4-20, 3P-12-4-21, 3P-12-4-22, 3P-12-4-23, 3P-12-4-24
1.16	699'	TOTAL FLOODING	0-244	3P-12-4-1, 3P-12-4-11, 3P-12-4-12, 3P-12-4-13, 3P-12-4-14, 3P-12-4-15, 3P-12-4-16, 3P-12-4-17, 3P-12-4-18, 3P-12-4-19, 3P-12-4-20, 3P-12-4-21, 3P-12-4-22, 3P-12-4-23, 3P-12-4-24
1.17	741'	MANUAL SHUT	0-244	---
1.18	741'	MANUAL SHUT	0-244	---
1.19	699' & 714'	TOTAL FLOODING	0-244	---
1.20	714'	MANUAL SHUT	0-244	---
1.21	754'	TOTAL FLOODING	0-244, 245, 246, 270-280	---
1.22	729'	TOTAL FLOODING	0-244, 245, 246, 270-280	---
1.23	729'	TOTAL FLOODING	0-244, 245, 246, 270-280	---
1.24	729'	MANUAL SHUT	0-244	---
1.25	729'	MANUAL SHUT	0-244	---
1.26	729'	MANUAL SHUT	0-244	---
1.27	754'	TOTAL FLOODING	0-274	3P-12-18-1, 3P-12-18-7
1.28	754'	TOTAL FLOODING	0-274	3P-21-18-1, 3P-21-18-6&C
1.29	754'	TOTAL FLOODING	0-274	3P-21-18-1, 3P-21-18-6&C
1.30	754'	TOTAL FLOODING	0-274	3P-21-18-1, 3P-21-18-6&C

- GENERAL NOTE:
- FOR ROUTING OF THE DISTRIBUTION MAIN & MAIN SIZES SEE UNDER CONSTRUCTION DES 9000-0044-25(1)-2 (FIELD DRAWING).
- NOTE:
- NOTE REQUIRED.
 - ALL 1/2" VAC 2" VITAL (UNREWORKABLE) A.C.
 - PIPE SIZE BY SUBCONTRACTOR.
 - THESE DETECTOR TYPES MESSAGES SHALL HAVE A.S.C. ETC. SUBJECTS ACCORD TO FURNISH FROM 27 ADDITIONAL STRUCTURE ARE REQUIRED.
 - ALL SLOTTING AND INSTALLATION TO BE PROVIDED BY SUB-CONTRACTOR EXCEPT ELECTRICAL WIRING AND AS NOTED.
 - HAZARD SELECTOR VALVES ARE NOT PROVIDED WITH LIMIT SWITCHES.
 - NOTE REQUIRED.
 - THIS DRAWING USED AS FIRE PROTECTION REVISION REPORT FIGURE 3.7A.
 - A.1) VALVE OPERATOR HAS BEEN PROVIDED FOR TESTING AND FOR TESTING BLOW DOWN AND INSTALL A CHECKED FITTING FOR A HOSE CONNECTION TO DRY AIR LINE FROM 300 P.S.I. 1/2" NPT.
 - FOR SYSTEM BLOW DOWN REMOVE CAP.
 - REPLACE CAP AFTER TESTING OF BLOW DOWN.
 - NOTE REQUIRED.

7			
6			
5			
4			
3			
2			
1			
0			
31	DISCOP. COVER FROM	DATE	APPROVED DATE
REV	DESCRIPTION	BY	DATE
QUALITY RELATED			
SUSQUEHANNA S.E.S. PAID			
FIRE PROTECTION			
CARBON DIOXIDE			
SYSTEMS			
AREA	REV.	DATE	
PENNSYLVANIA POWER & LIGHT COMPANY			
ALLENTOWN PA.			
FINAL DRAWING NO.	E106227	SHEET NO.	4
REV. DRAWING NO.	M-122	SHEET NO.	4
31			

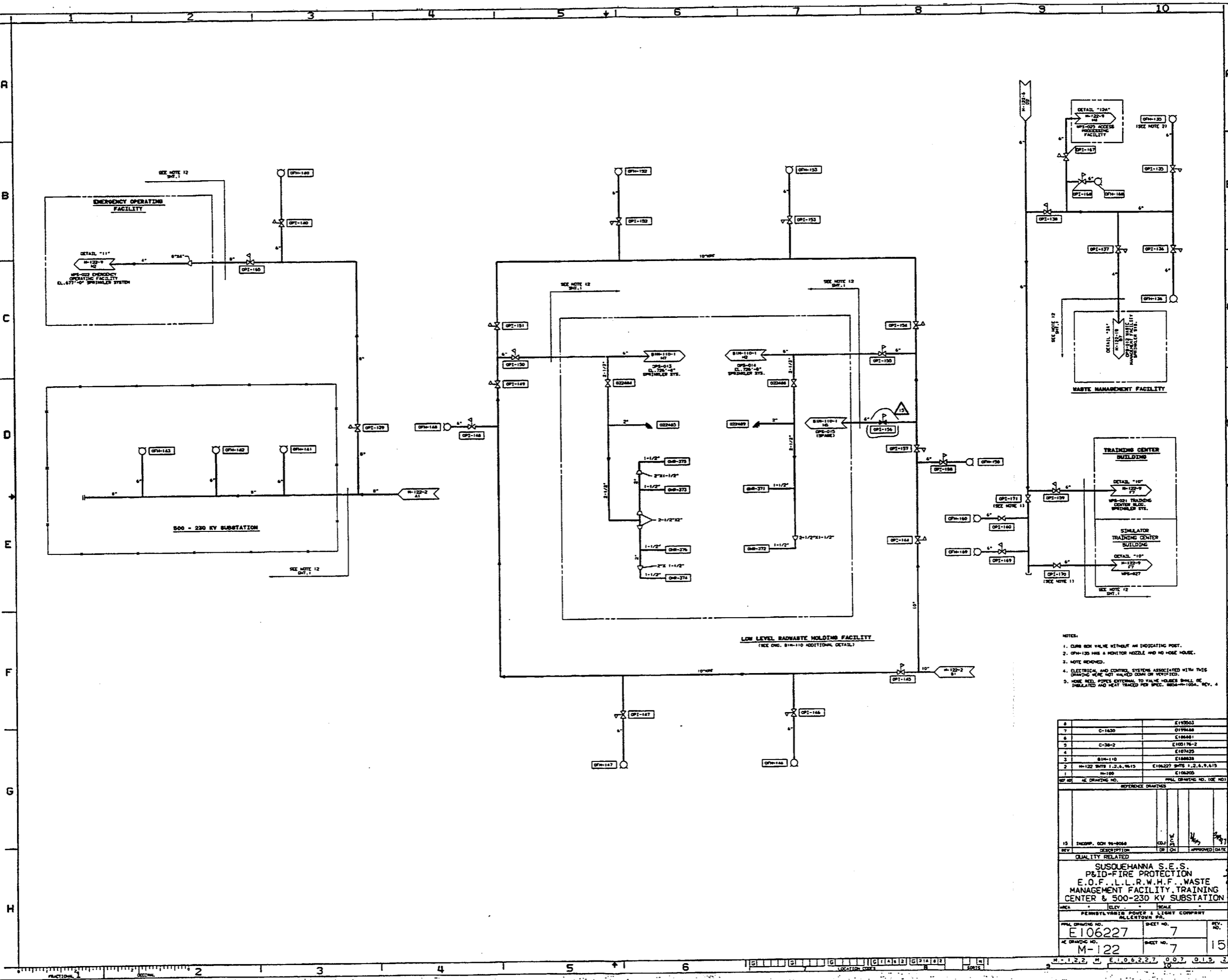


- NOTES:
- NO MODIFICATION ALLOWED BETWEEN WATE VALVE 022423 AND 022422.
 - NOTE REMOVED.
 - OPI-141 IS A CLAP VALVE WITHOUT AN INVERTING POST.
 - BRASS CHECK VALVE DRILLED WITH 5/32" HOLES (INTERNAL) TO RELIEVE BACK PRESSURE.
 - ELECTRICAL AND CONTROL SYSTEMS ASSOCIATED WITH THIS DRAWING WERE NOT INCLUDED DUE TO UNCLARIFIED.
 - THE FIRE PROTECTION PIPING, VALVES, AND INSTRUMENTATION ARE UNIFIED ON THIS PLED MAY NOT BE COMPATIBLE WITH OTHER FACILITY DRAWINGS.

7			
6			
5			
4			
3			
2			
1			
REV	NO	DESCRIPTION	DATE
10		CHANGES MADE PER RESOLUTION TO THE TOTAL SHEDDING FOR 98-0001 & CDR 1799-0000	11/11/98
SUSQUEHANNA S. E. S. P&ID FIRE PROTECTION WELL PUMPHOUSE			
PP&L, INC.			
PP&L DRAWING NO.	SHEET NO.	REV. NO.	
E106227	6		
PP&L DRAWING NO.	SHEET NO.	REV. NO.	
M-122	6		14

FOR INFORMATION ONLY

EVERDURHH
DRAWN BY: MRS. LINDA
CHECKED BY: JERRY
SUBGROUP: ANSYS
DATE: 02/15/1998



- NOTES:
1. CLUM BOX VALVE WITHOUT AN INDICATING POST.
 2. OPI-120 HAS A MONITOR NOZZLE AND NO HOSE HOUSE.
 3. NOTE RECEIVED.
 4. ELECTRICAL AND CONTROL SYSTEMS ASSOCIATED WITH THIS DRAWING WERE NOT WALKED DOWN OR VERIFIED.
 5. HOSE REEL PIPES EXTENDING TO VALVE HOUSES SHALL BE INSULATED AND HEAT TRACED FOR P.I.C. 8040-100A, REV. 4

6	C-1630	E10603
7	C-1630	E10604
8	C-38-2	E10605
9	C-38-2	E10606
4	BIM-110	E107425
3	BIM-110	E108838
2	M-122 SHEETS 1,2,4,5,15	E106227 SHEETS 1,2,4,5,15
1	M-100	E106205
REF	AS DRAWING NO.	PIPL. DRAWING NO. (SEE NO.)
REFERENCE DRAWINGS		
15	INCOMP. CON 98-0068	DATE: 02/15/98
BY:	DESCRIPTION:	DATE: 02/15/98
QUALITY RELATED		
SUSQUEHANNA S.E.S. P&ID-FIRE PROTECTION E.O.F..L.L.R.W.H.F..WASTE MANAGEMENT FACILITY TRAINING CENTER & 500-230 KV SUBSTATION		
AREA:	DATE:	SCALE:
PENNSYLVANIA POWER & LIGHT COMPANY MILLETTSVILLE, PA.		
PIPL. DRAWING NO.	SHEET NO.	REV.
E106227	7	
AS DRAWING NO.	SHEET NO.	REV.
M-122	7	15

DATE PRINTED: 04/24/2008 11:52

FOR INFORMATION ONLY

REVISIONS

NO. 1

NO. 2

NO. 3

NO. 4

NO. 5

NO. 6

NO. 7

NO. 8

NO. 9

NO. 10

NO. 11

NO. 12

NO. 13

NO. 14

NO. 15

NO. 16

NO. 17

NO. 18

NO. 19

NO. 20

NO. 21

NO. 22

NO. 23

NO. 24

NO. 25

NO. 26

NO. 27

NO. 28

NO. 29

NO. 30

NO. 31

NO. 32

NO. 33

NO. 34

NO. 35

NO. 36

NO. 37

NO. 38

NO. 39

NO. 40

NO. 41

NO. 42

NO. 43

NO. 44

NO. 45

NO. 46

NO. 47

NO. 48

NO. 49

NO. 50

NO. 51

NO. 52

NO. 53

NO. 54

NO. 55

NO. 56

NO. 57

NO. 58

NO. 59

NO. 60

NO. 61

NO. 62

NO. 63

NO. 64

NO. 65

NO. 66

NO. 67

NO. 68

NO. 69

NO. 70

NO. 71

NO. 72

NO. 73

NO. 74

NO. 75

NO. 76

NO. 77

NO. 78

NO. 79

NO. 80

NO. 81

NO. 82

NO. 83

NO. 84

NO. 85

NO. 86

NO. 87

NO. 88

NO. 89

NO. 90

NO. 91

NO. 92

NO. 93

NO. 94

NO. 95

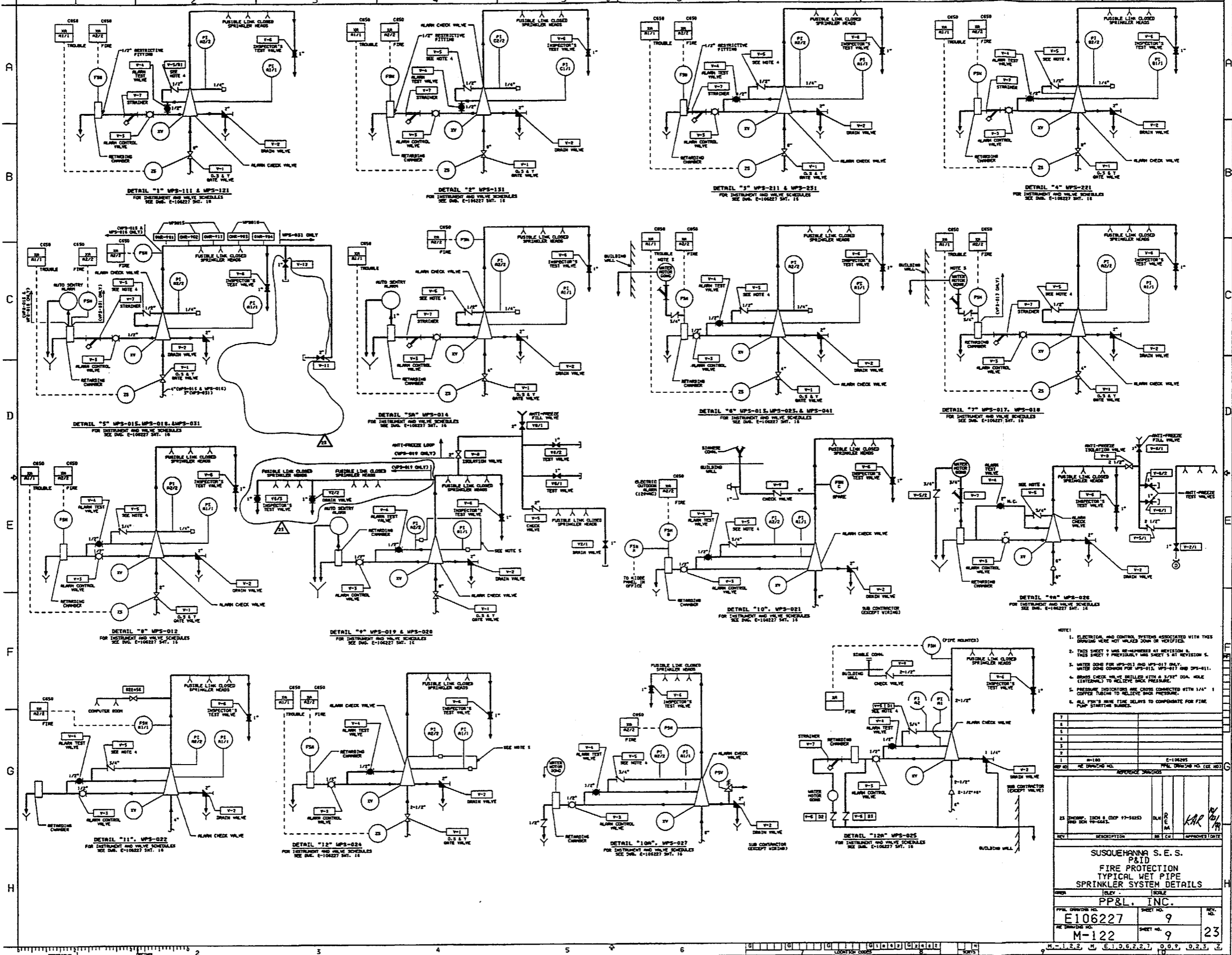
NO. 96

NO. 97

NO. 98

NO. 99

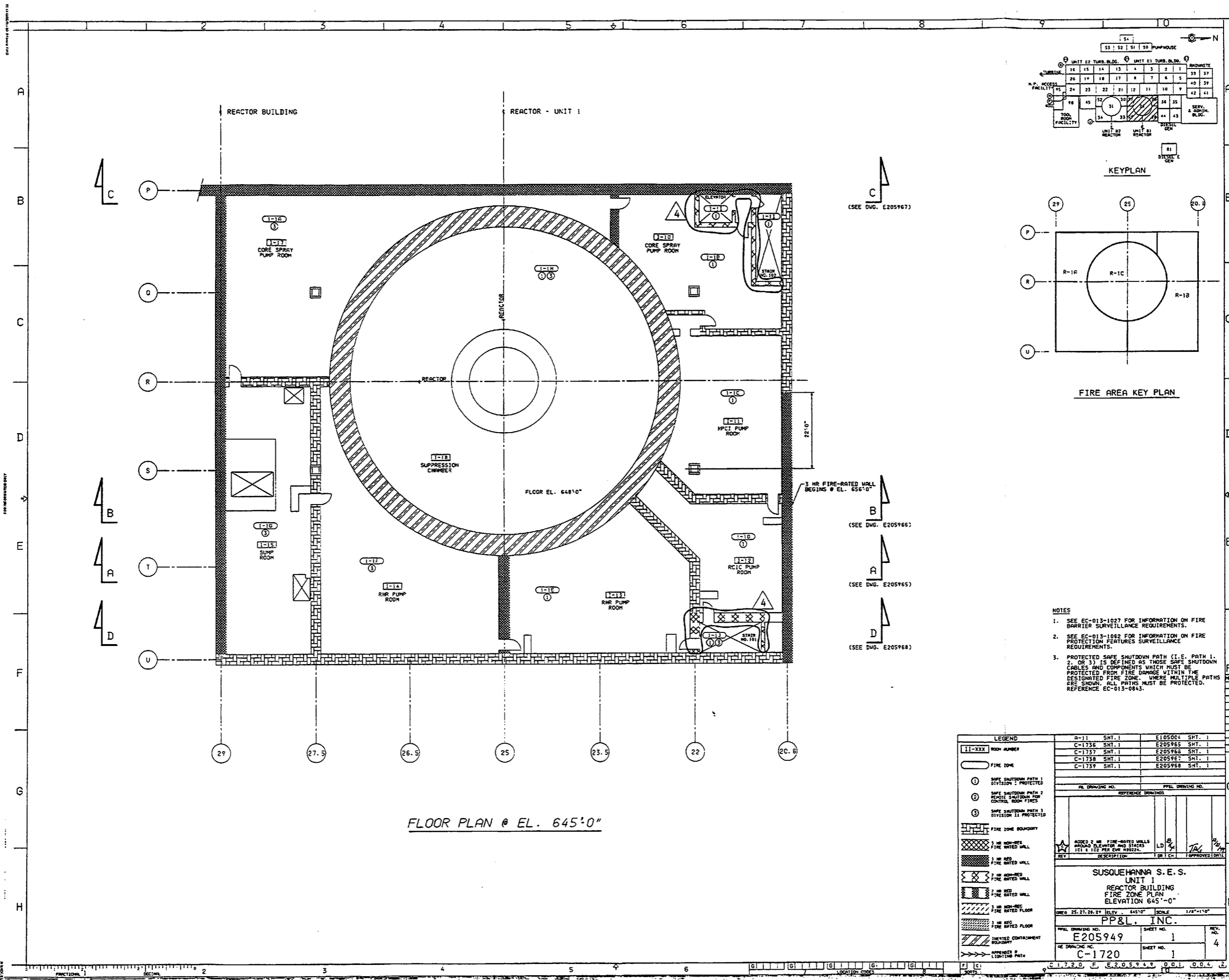
NO. 100



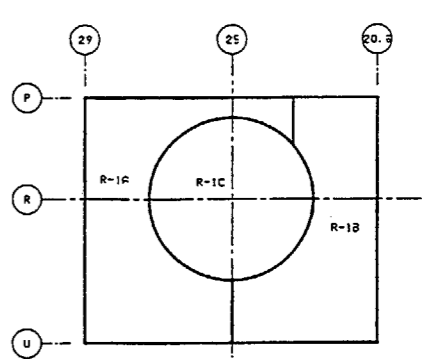
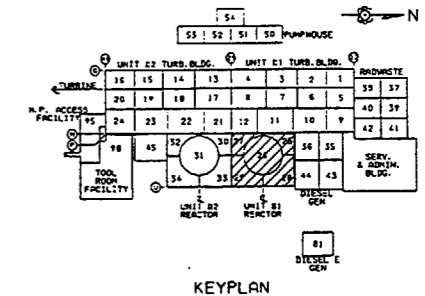
- NOTE:
- ELECTRICAL AND CONTROL SYSTEMS ASSOCIATED WITH THIS DRAWING WERE NOT WALKED DOWN OR VERIFIED.
 - THIS SHEET WAS RE-WALKED AT REVISION 8. THIS SHEET PREVIOUSLY WAS SHEET 1 AT REVISION 5.
 - WATER CODES FOR MPS-015 AND MPS-018 ONLY.
 - WATER CODES COMMON FOR MPS-015, MPS-017 AND MPS-011.
 - ALARM CHECK VALVE BULLED WITH A 3/8" DIA. HOLE (INTERNAL) TO RELIEVE BACK PRESSURE.
 - PRESSURE INDICATORS ARE COUPLER CONNECTED WITH 1/4" COPED TUBING TO RELIEVE PRESSURE.
 - ALL PIPES HAVE TIME DELAYS TO COMPENSATE FOR FIRE PUMP STARTING SLUGS.

NO.	DESCRIPTION	BY	DATE
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

SUSQUEHANNA S. E. S.
 P&ID
 FIRE PROTECTION
 TYPICAL WET PIPE
 SPRINKLER SYSTEM DETAILS
 SCALE
 PP&L, INC.
 SHEET NO. E106227 9
 SHEET NO. M-122 9 23
 DATE 11/22/07



FLOOR PLAN @ EL. 645'-0"

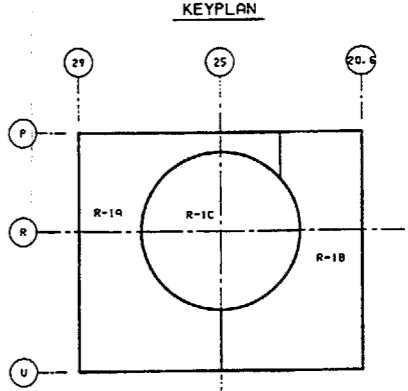
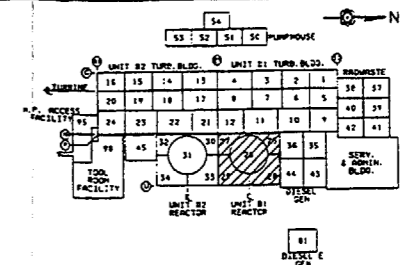
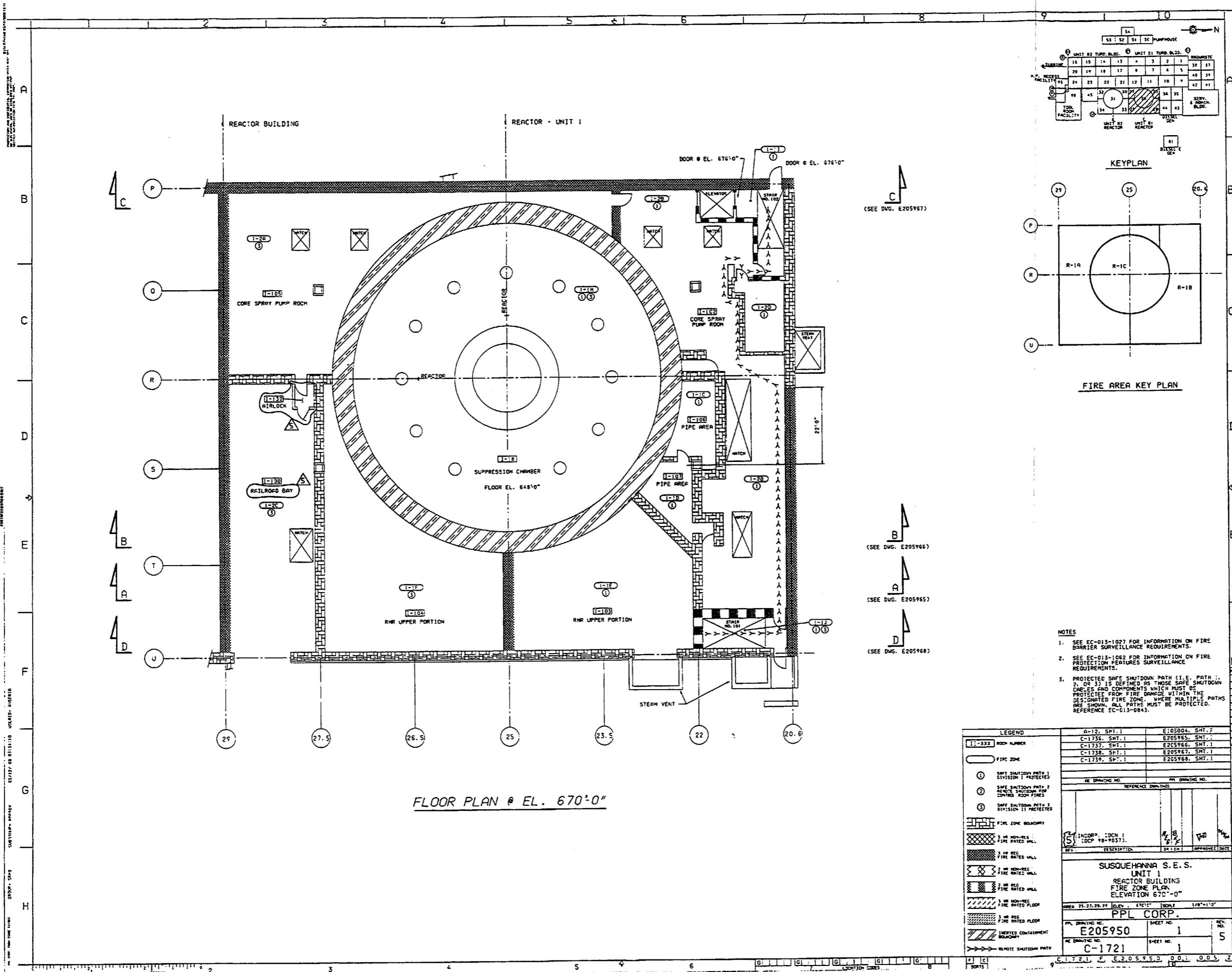


- NOTES
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1062 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 - PROTECTED SAFE SHUTDOWN PATH (I.E. PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-013-0843.

LEGEND		A-11 SHT. 1	E105004 SHT. 1
11-xxx	ROOM NUMBER	C-1736 SHT. 1	E205965 SHT. 1
○	FIRE ZONE	C-1737 SHT. 1	E205966 SHT. 1
○	SAFE SHUTDOWN PATH 1 DIVISION 1 PROTECTED	C-1738 SHT. 1	E205967 SHT. 1
○	SAFE SHUTDOWN PATH 2 DIVISION 2 PROTECTED	C-1739 SHT. 1	E205968 SHT. 1
○	SAFE SHUTDOWN PATH 3 DIVISION 3 PROTECTED		
---	FIRE ZONE BOUNDARY		
---	3 HR. NON-REG. FIRE RATED WALL		
---	3 HR. REG. FIRE RATED WALL		
---	2 HR. NON-REG. FIRE RATED WALL		
---	2 HR. REG. FIRE RATED WALL		
---	3 HR. NON-REG. FIRE RATED FLOOR		
---	3 HR. REG. FIRE RATED FLOOR		
---	INSERTED COMPARTMENT BOUNDARY		
---	EXPANDED LIGHTING PATH		

REV	DESCRIPTION	BY	DATE
1	ADDED 2 HR. FIRE-RATED WALLS AROUND ELEVATOR AND STAIRS (C-1 & 1C) PER EIR REV. 02/24.	LD	8/1/94
2		JAL	8/1/94

SUSQUEHANNA S. E. S.			
UNIT 1			
REACTOR BUILDING			
FIRE ZONE PLAN			
ELEVATION 645'-0"			
DATE	25.07.20.01	ELEV.	645'-0"
SCALE	1/8"=1'-0"		
PP&L DRAWING NO.	PP&L, INC.		
E205949	SHEET NO.	1	
REV. NO.	4		
GE DRAWING NO.	C-1720		
SHEET NO.	1		



FIRE AREA KEY PLAN

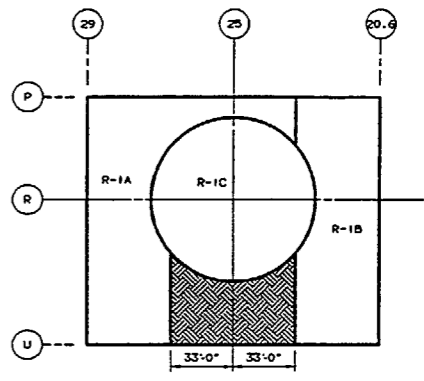
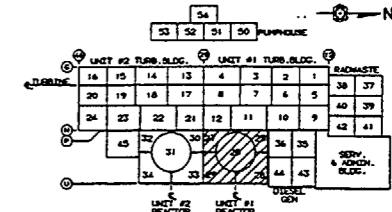
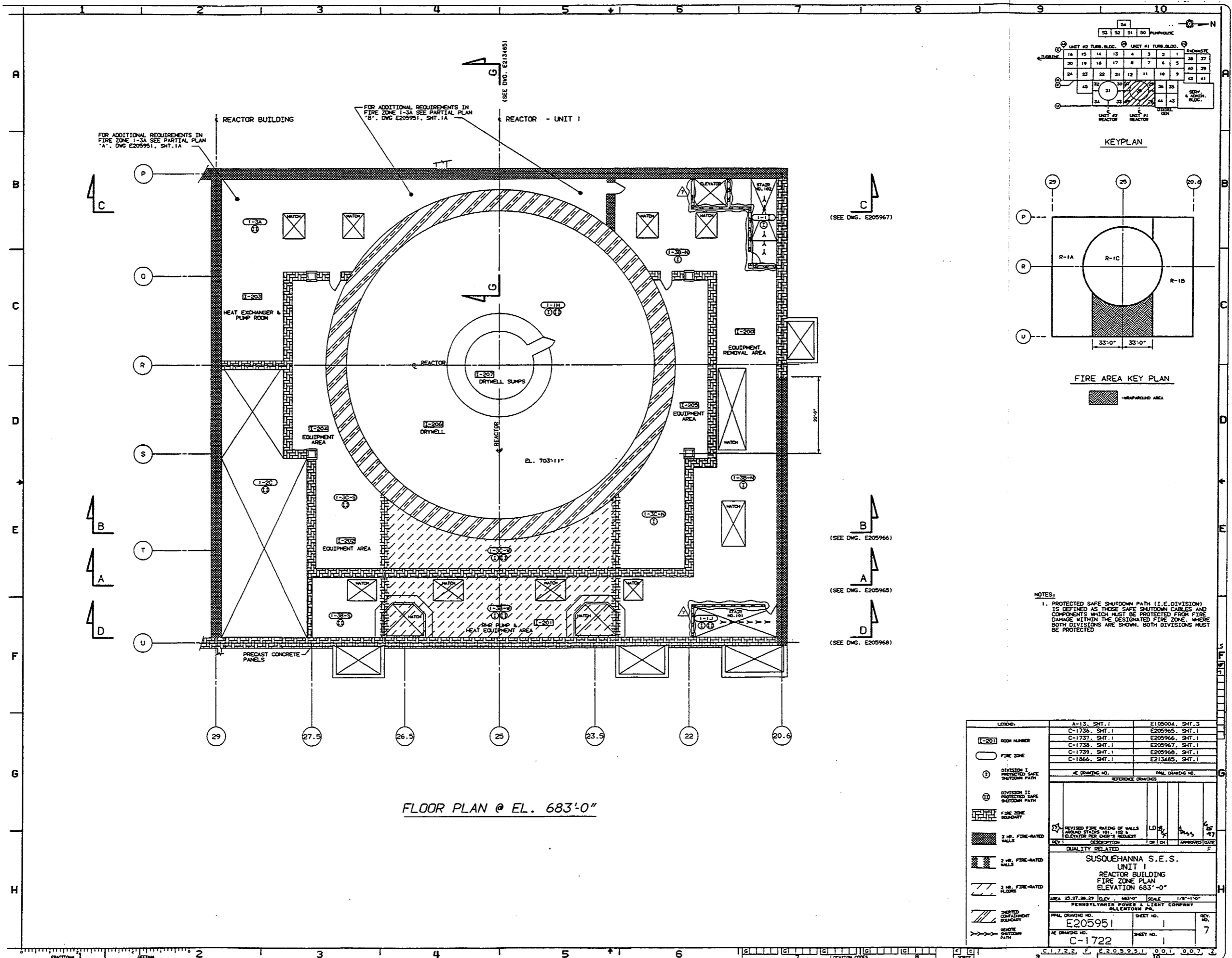
- NOTES
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1062 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 - PROTECTED SAFE SHUTDOWN PATH (I.E. PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE, WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-013-084.

LEGEND	
①	SAFE SHUTDOWN PATH 1 DIVISION 1 PROTECTED
②	SAFE SHUTDOWN PATH 2 DIVISION 2 PROTECTED
③	SAFE SHUTDOWN PATH 3 DIVISION 3 PROTECTED
[Symbol]	FIRE ZONE BOUNDARY
[Symbol]	3 HR NON-REG. FIRE RATED WALL
[Symbol]	2 HR REG. FIRE RATED WALL
[Symbol]	2 HR NON-REG. FIRE RATED WALL
[Symbol]	3 HR REG. FIRE RATED WALL
[Symbol]	3 HR NON-REG. FIRE RATED FLOOR
[Symbol]	3 HR REG. FIRE RATED FLOOR
[Symbol]	IMPERVED CONTAINMENT BOUNDARY
[Symbol]	REMOTE SHUTDOWN PATH

REF. DRAWING NO.	REV.	DESCRIPTION	DATE	APPROVED
A-12, SMT. 1		E105004, SMT. 2		
C-1736, SMT. 1		E205965, SMT. 1		
C-1737, SMT. 1		E205966, SMT. 1		
C-1738, SMT. 1		E205967, SMT. 1		
C-1739, SMT. 1		E205968, SMT. 1		

SUSQUEHANNA S. E. S.	
UNIT 1	
REACTOR BUILDING	
FIRE ZONE PLAN	
ELEVATION 670'-0"	
AREA 25.27.28.29	SCALE 1/8"=1'-0"
PPL CORP.	
PPL DRAWING NO. E205950	SHEET NO. 1
REV. NO. 5	
REF. DRAWING NO. C-1721	SHEET NO. 1

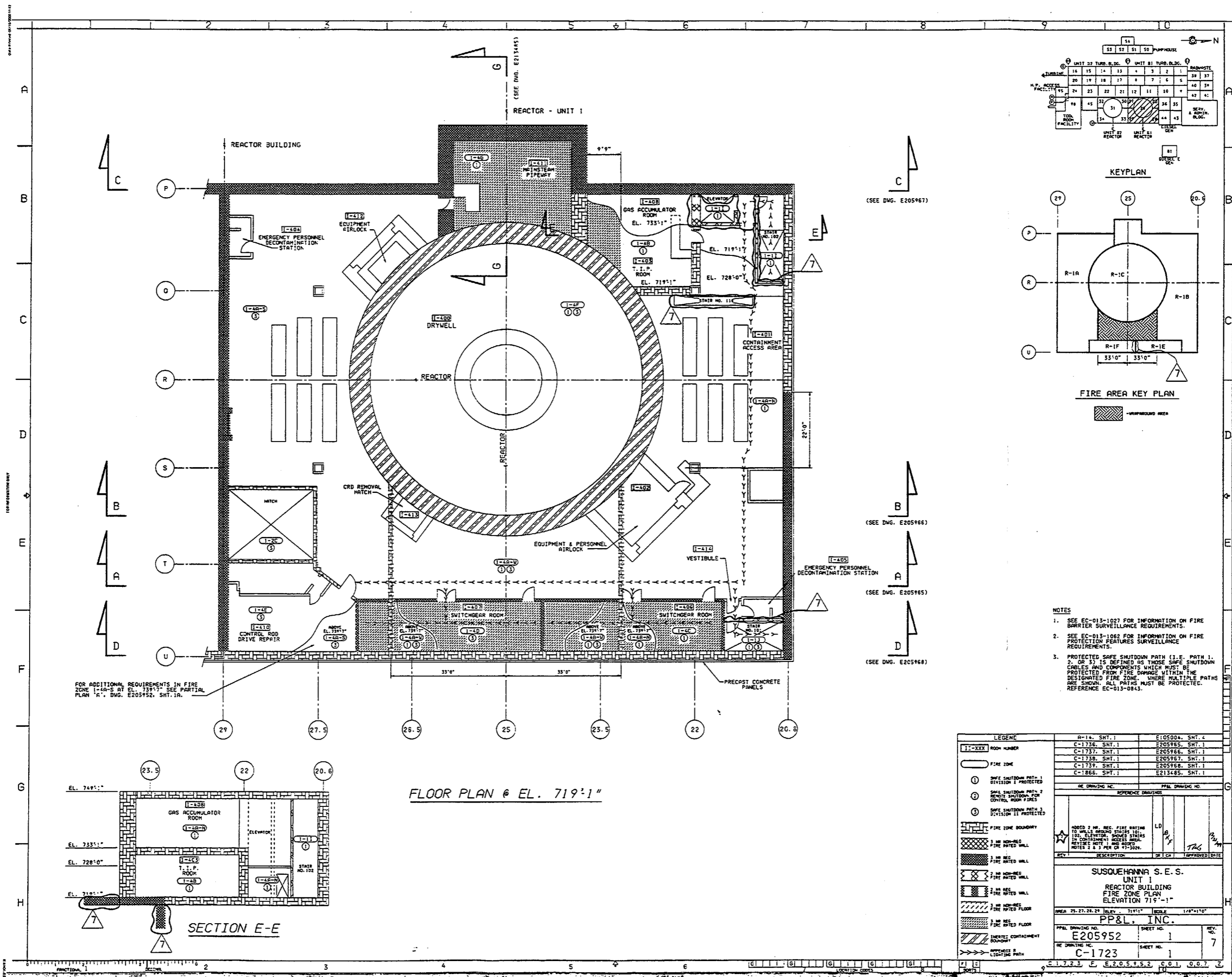
FLOOR PLAN @ EL. 670'-0"



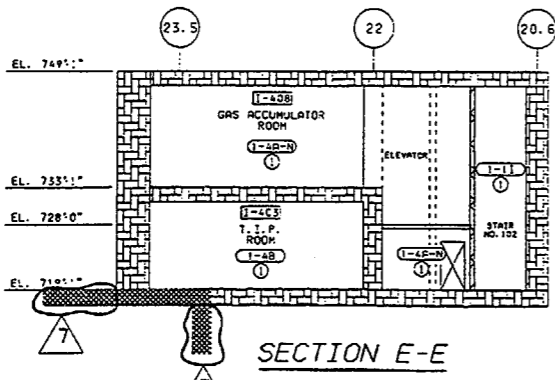
NOTES:
 1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THESE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE, WHERE BOTH DIVISIONS ARE SHOWN, BOTH DIVISIONS MUST BE PROTECTED

FLOOR PLAN @ EL. 683'-0"

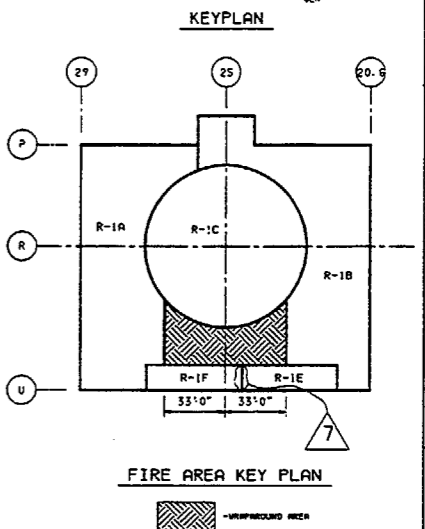
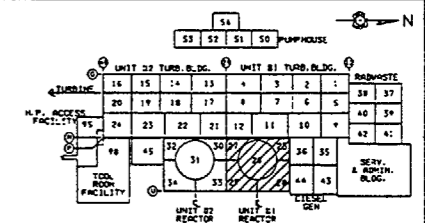
LEGEND:	A-13, SHT. 1	E105004, SHT. 3
ROOM NUMBER	C-1736, SHT. 1	E205965, SHT. 1
FIRE ZONE	C-1737, SHT. 1	E205966, SHT. 1
DIVISION I PROTECTED SAFE SHUTDOWN PATH	C-1738, SHT. 1	E205967, SHT. 1
DIVISION II PROTECTED SAFE SHUTDOWN PATH	C-1739, SHT. 1	E205968, SHT. 1
FIRE ZONE BOUNDARY	C-1866, SHT. 1	E213485, SHT. 1
3 HR. FIRE-RATED WALL		
2 HR. FIRE-RATED WALL		
3 HR. FIRE-RATED FLOOR		
INSERTED EQUIPMENT BOUNDARY		
REMOVE SHUTDOWN PATH		
REVISED FIRE RATING OF WALLS AND STAIRS, ELEVATOR PER OWNER'S REQUEST	LD	LD
REV. DESCRIPTION	REV. DATE	APPROVED DATE
QUALITY RELATED		
SUSQUEHANNA S.E.S.		
UNIT 1		
REACTOR BUILDING		
FIRE ZONE PLAN		
ELEVATION 683'-0"		
AREA 23.27.28.29	ELEV. 683'-0"	SCALE 1/8"=1'-0"
PENNSYLVANIA POWER & LIGHT COMPANY		
ALLENTOWN, PA.		
PRL DRAWING NO.	SHEET NO.	REV. NO.
E205951	1	7
AE DRAWING NO.	SHEET NO.	
C-1722	1	



FOR ADDITIONAL REQUIREMENTS IN FIRE ZONE 1-4A-S AT EL. 739'-7" SEE PARTIAL PLAN "C" DWG. E205952, SHT. 1A.

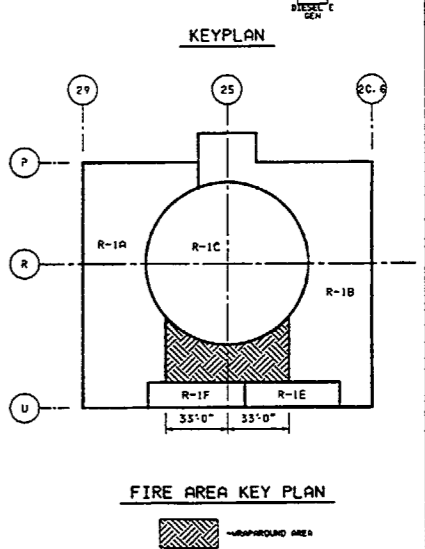
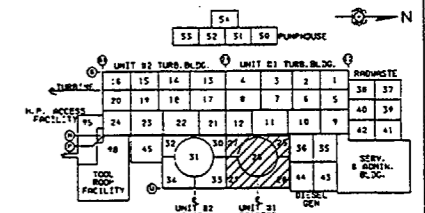
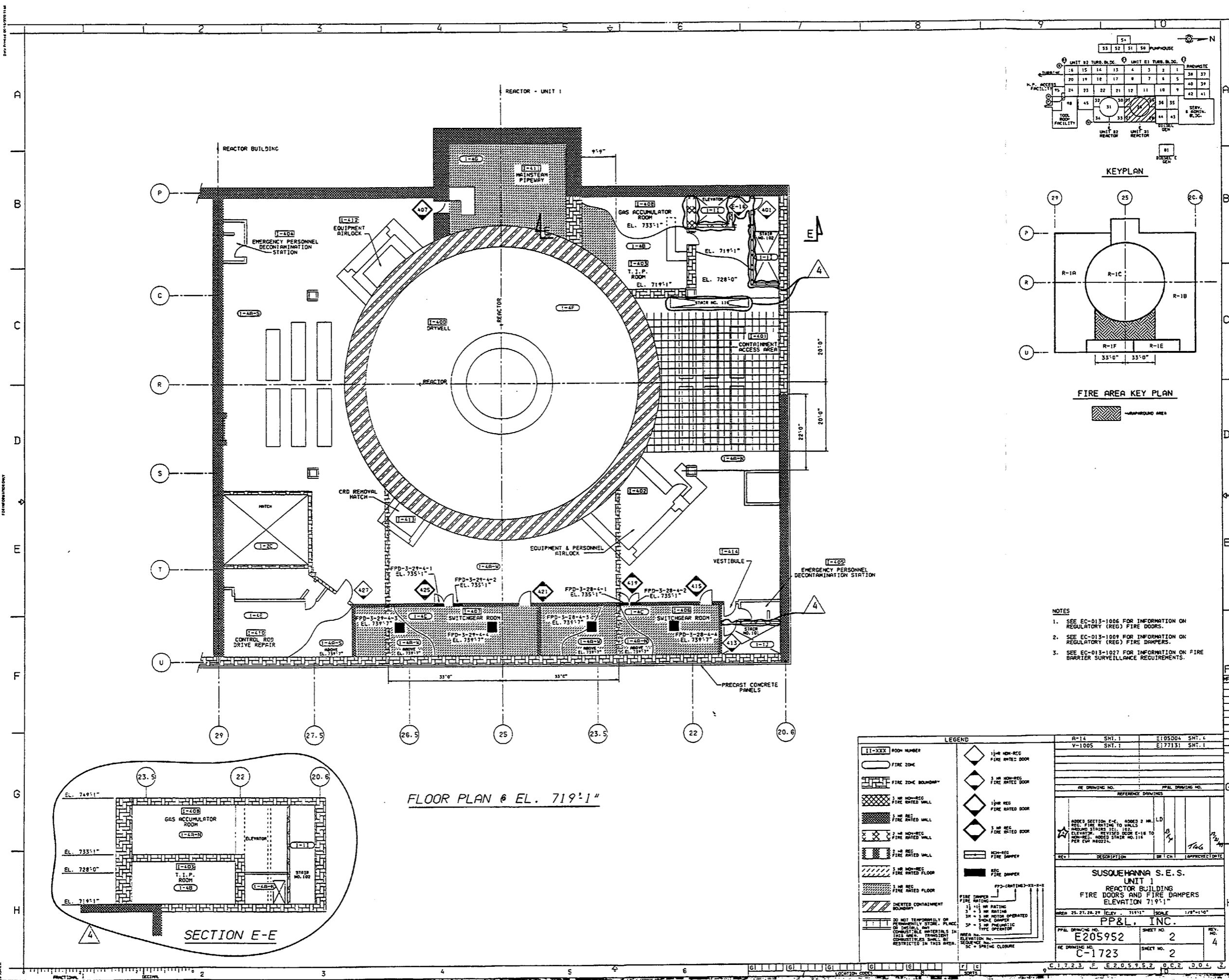


FLOOR PLAN @ EL. 719'-1"

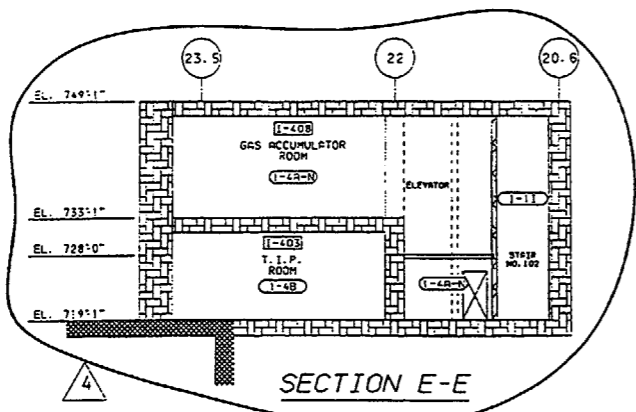


- NOTES
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1062 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 - PROTECTED SAFE SHUTDOWN PATH (I.E. PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-013-0843.

LEGEND		A-14, SHT. 1		E105004, SHT. 4	
1-XXX	ROOM NUMBER	C-1736	SHT. 1	E205965	SHT. 1
○	FIRE ZONE	C-1737	SHT. 1	E205966	SHT. 1
①	SAFE SHUTDOWN PATH 1 DIVISION I PROTECTED	C-1738	SHT. 1	E205967	SHT. 1
②	SAFE SHUTDOWN PATH 2 REMOTE SHUTDOWN FOR CONTROL ROOM FIRES	C-1739	SHT. 1	E205968	SHT. 1
③	SAFE SHUTDOWN PATH 3 DIVISION II PROTECTED	C-1866	SHT. 1	E213485	SHT. 1
---	FIRE ZONE BOUNDARY	PP&L DRAWING NO.			
---	1 HR. NON-REG. FIRE RATED WALL	REFERENCE DRAWINGS			
---	2 HR. NON-REG. FIRE RATED WALL	LD			
---	3 HR. NON-REG. FIRE RATED WALL	TAG			
---	1 HR. NON-REG. FIRE RATED FLOOR	REV. DATE			
---	2 HR. NON-REG. FIRE RATED FLOOR	DESCRIPTION			
---	3 HR. NON-REG. FIRE RATED FLOOR	SHEET NO.			
---	IMPERMEABLE CONTAINMENT BOUNDARY	DATE			
---	APPROXIMATE LIGHTING PATH	SUSQUEHANNA S.E.S. UNIT 1 REACTOR BUILDING FIRE ZONE PLAN ELEVATION 719'-1"			
		PP&L, INC.		SHEET NO. 1	
		E205952		REV. NO. 7	
		C-1723		DATE	



- NOTES
- SEE EC-013-1006 FOR INFORMATION ON REGULATORY (REG) FIRE DOORS.
 - SEE EC-013-1009 FOR INFORMATION ON REGULATORY (REG) FIRE DAMPERS.
 - SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.

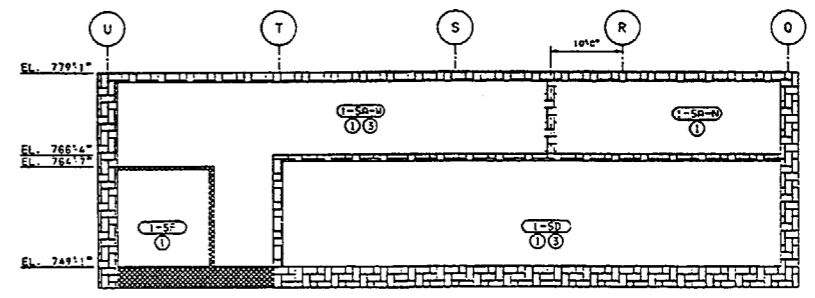
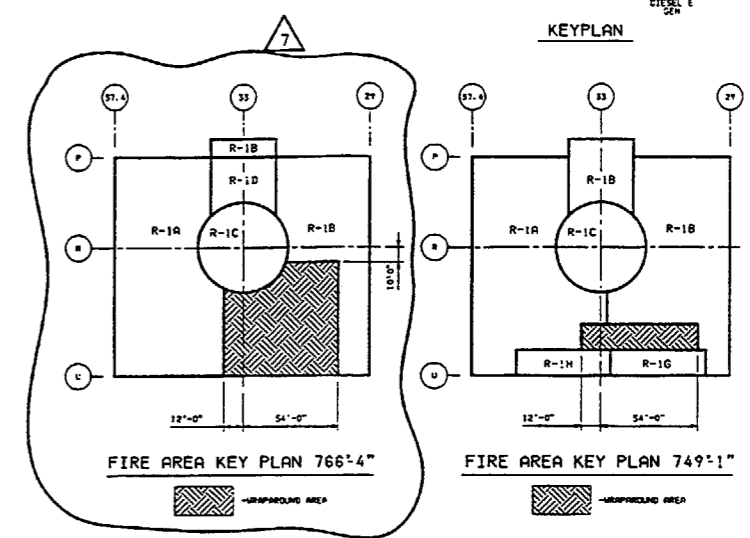
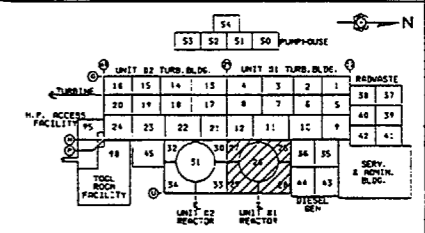
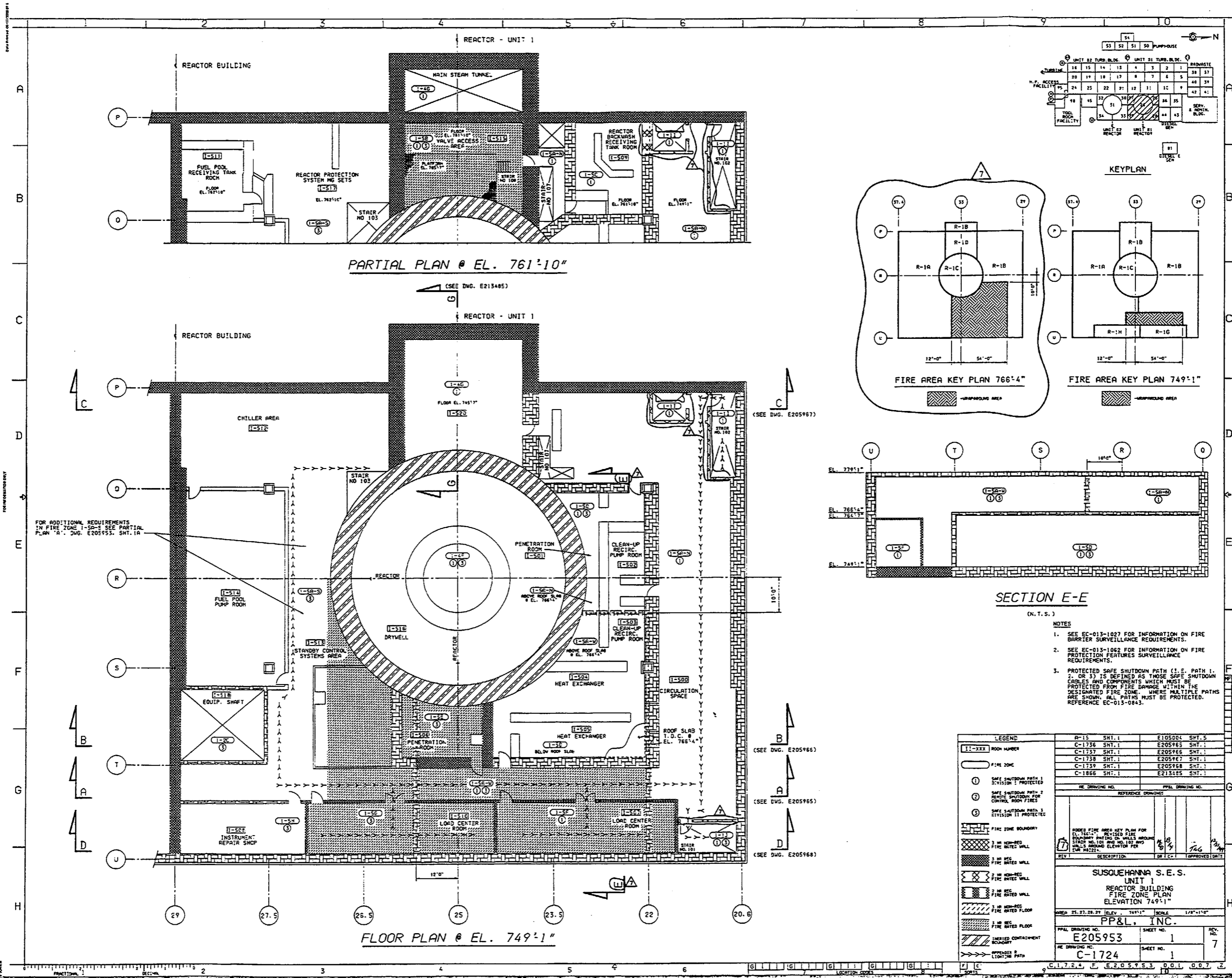


FLOOR PLAN @ EL. 719'-1"

LEGEND

II-XXX ROOM NUMBER	1/2" NON-REG FIRE RATED DOOR
○ FIRE ZONE	3/4" NON-REG FIRE RATED DOOR
▬ FIRE ZONE BOUNDARY	1/2" REG FIRE RATED DOOR
▨ 1/2" NON-REG FIRE RATED WALL	3/4" REG FIRE RATED DOOR
▩ 3/4" REG FIRE RATED WALL	1/2" NON-REG FIRE RATED DOOR
▧ 2 1/2" NON-REG FIRE RATED WALL	3/4" NON-REG FIRE RATED DOOR
▦ 2 1/2" REG FIRE RATED WALL	NON-REG FIRE DAMPER
▤ 3/4" NON-REG FIRE RATED FLOOR	REG FIRE DAMPER
▣ 3/4" REG FIRE RATED FLOOR	FPD-(RATING)-SE-0-0
▢ INSERTED CONTAINMENT BOUNDARY	FIRE DAMPER
▧ DO NOT TEMPORARILY OR PERMANENTLY STORE FLUENT OR OTHER MATERIALS IN THIS AREA. PROHIBITION RESTRICTED AS SHOWN OR RESTRICTED IN THIS AREA.	1 1/2" REG RATING
	3" REG RATING
	3" REG MOTOR OPERATED SHOCK DAMPER
	3" REG PNEUMATIC TYPE OPERATOR
	ELEVATION IN SQUARE INCHES
	SC = SPRING CLOSURE

R-14 SMT. 1	E105004 SMT. 4
V-1005 SMT. 1	E177131 SMT. 1
RE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	
ADDED SECTION E-E, ROOMS 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000	
SUSQUEHANNA S. E. S. UNIT 1 REACTOR BUILDING FIRE DOORS AND FIRE DAMPERS ELEVATION 719'-1"	
PP&L, INC.	
PP&L DRAWING NO. E205952	SHEET NO. 2
RE DRAWING NO. C-1723	SHEET NO. 2



SECTION E-E
(N. T. S.)

- NOTES**
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1062 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 - PROTECTED SAFE SHUTDOWN PATH (I.E., PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-013-0843.

LEGEND

11-XXX	ROOM NUMBER
(1)	SAFE SHUTDOWN PATH 1 DIVISION 1 PROTECTED
(2)	SAFE SHUTDOWN PATH 2 DIVISION 2 PROTECTED
(3)	SAFE SHUTDOWN PATH 3 DIVISION 3 PROTECTED
(---)	FIRE ZONE BOUNDARY
(---)	3 IN REINFORCED FIRE RATED WALL
(---)	3 IN REINFORCED FIRE RATED WALL
(---)	3 IN REINFORCED FIRE RATED WALL
(---)	3 IN REINFORCED FIRE RATED FLOOR
(---)	3 IN REINFORCED FIRE RATED FLOOR
(---)	UNDESIRABLE CONTAINMENT BOUNDARY
(---)	APPENDER B LIGHTING PATH

R-15	SHT. 1	E105004	SHT. 5												
C-1736	SHT. 1	E205965	SHT. 1												
C-1737	SHT. 1	E205966	SHT. 1												
C-1738	SHT. 1	E205967	SHT. 1												
C-1739	SHT. 1	E205968	SHT. 1												
C-1866	SHT. 1	E213325	SHT. 1												
PP&L DRAWING NO.		PP&L DRAWING NO.													
REFERENCE DRAWING:															
REVISIONS: <table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED (DATE)</th> </tr> <tr> <td>1</td> <td>ISSUED FIRE AREA KEY PLAN FOR EL. 749'-1" REVISOR: [Signature]</td> <td>10/8/54</td> <td>[Signature]</td> </tr> <tr> <td>2</td> <td>REVISIONS TO WALLS AROUND STAIR NO. 101 AND NO. 102 AND WELLS AROUND ELEVATOR FOR UNIT 10224.</td> <td>10/8/54</td> <td>[Signature]</td> </tr> </table>				NO.	DESCRIPTION	DATE	APPROVED (DATE)	1	ISSUED FIRE AREA KEY PLAN FOR EL. 749'-1" REVISOR: [Signature]	10/8/54	[Signature]	2	REVISIONS TO WALLS AROUND STAIR NO. 101 AND NO. 102 AND WELLS AROUND ELEVATOR FOR UNIT 10224.	10/8/54	[Signature]
NO.	DESCRIPTION	DATE	APPROVED (DATE)												
1	ISSUED FIRE AREA KEY PLAN FOR EL. 749'-1" REVISOR: [Signature]	10/8/54	[Signature]												
2	REVISIONS TO WALLS AROUND STAIR NO. 101 AND NO. 102 AND WELLS AROUND ELEVATOR FOR UNIT 10224.	10/8/54	[Signature]												
SUSQUEHANNA S. E. S. UNIT 1 REACTOR BUILDING FIRE ZONE PLAN ELEVATION 749'-1"															
DATE: 25.27.28.29		ELEV.: 749'-1" SCALE: 1/8"=1'-0"													
PP&L DRAWING NO. E205953		SHEET NO. 1													
REVISION NO. C-1724		SHEET NO. 7													

FOR ADDITIONAL REQUIREMENTS IN FIRE ZONE I-50'S SEE PARTIAL PLAN "A", DWG. E205953, SHT. 1A

(SEE DWG. E205967)

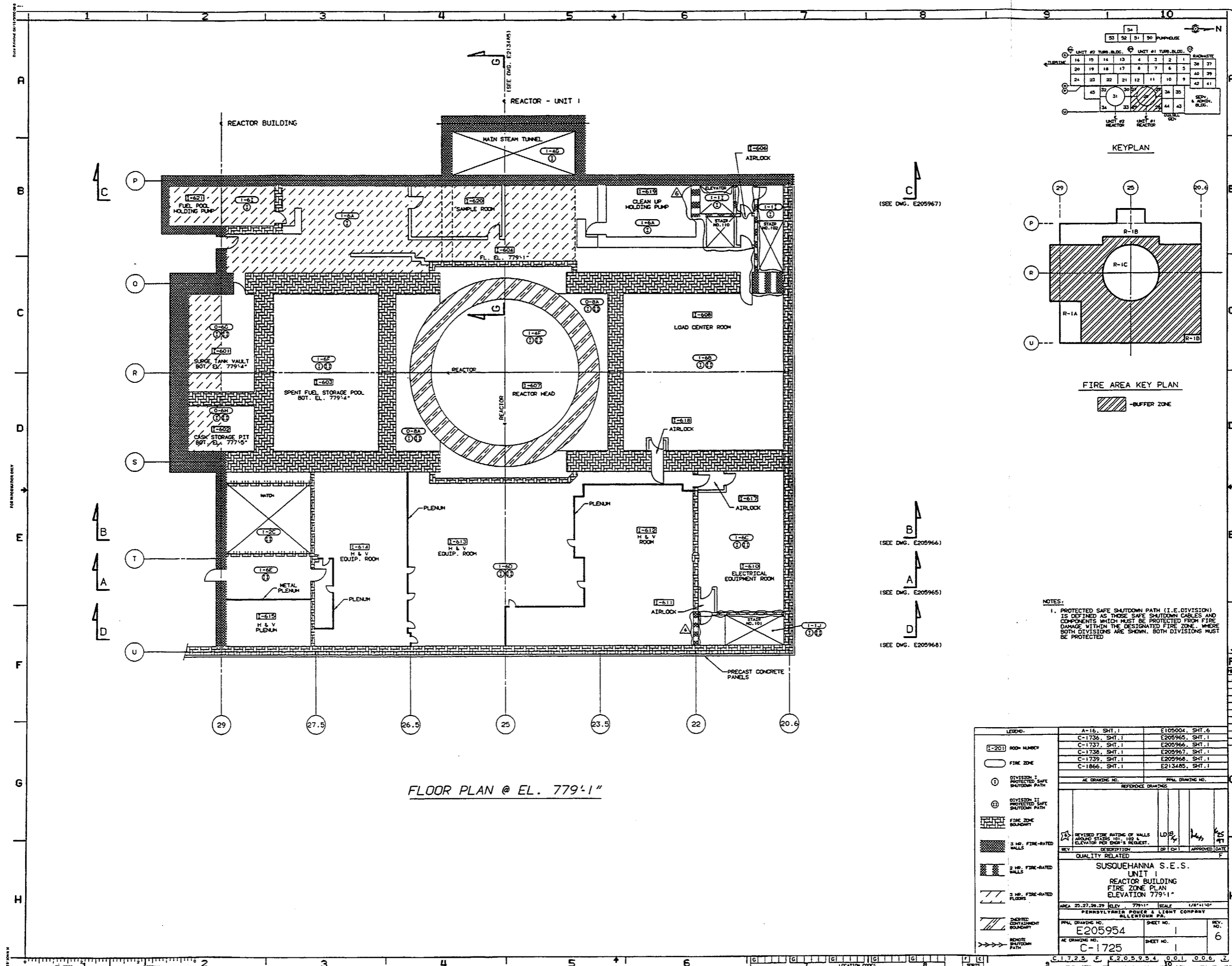
(SEE DWG. E205966)

(SEE DWG. E205965)

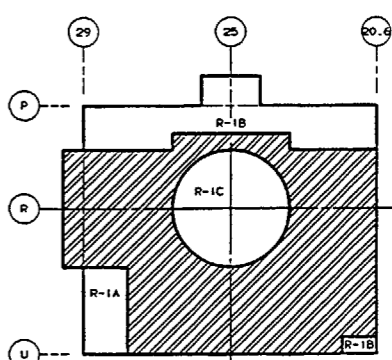
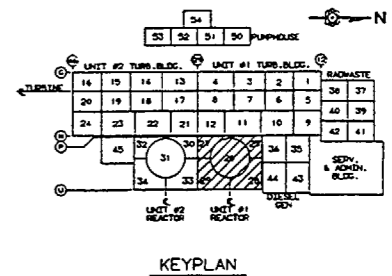
(SEE DWG. E205968)

FLOOR PLAN @ EL. 749'-1"

PARTIAL PLAN @ EL. 761'-10"



FLOOR PLAN @ EL. 779'-1"



FIRE AREA KEY PLAN
- BUFFER ZONE

(SEE DNG. E205967)

(SEE DNG. E205966)

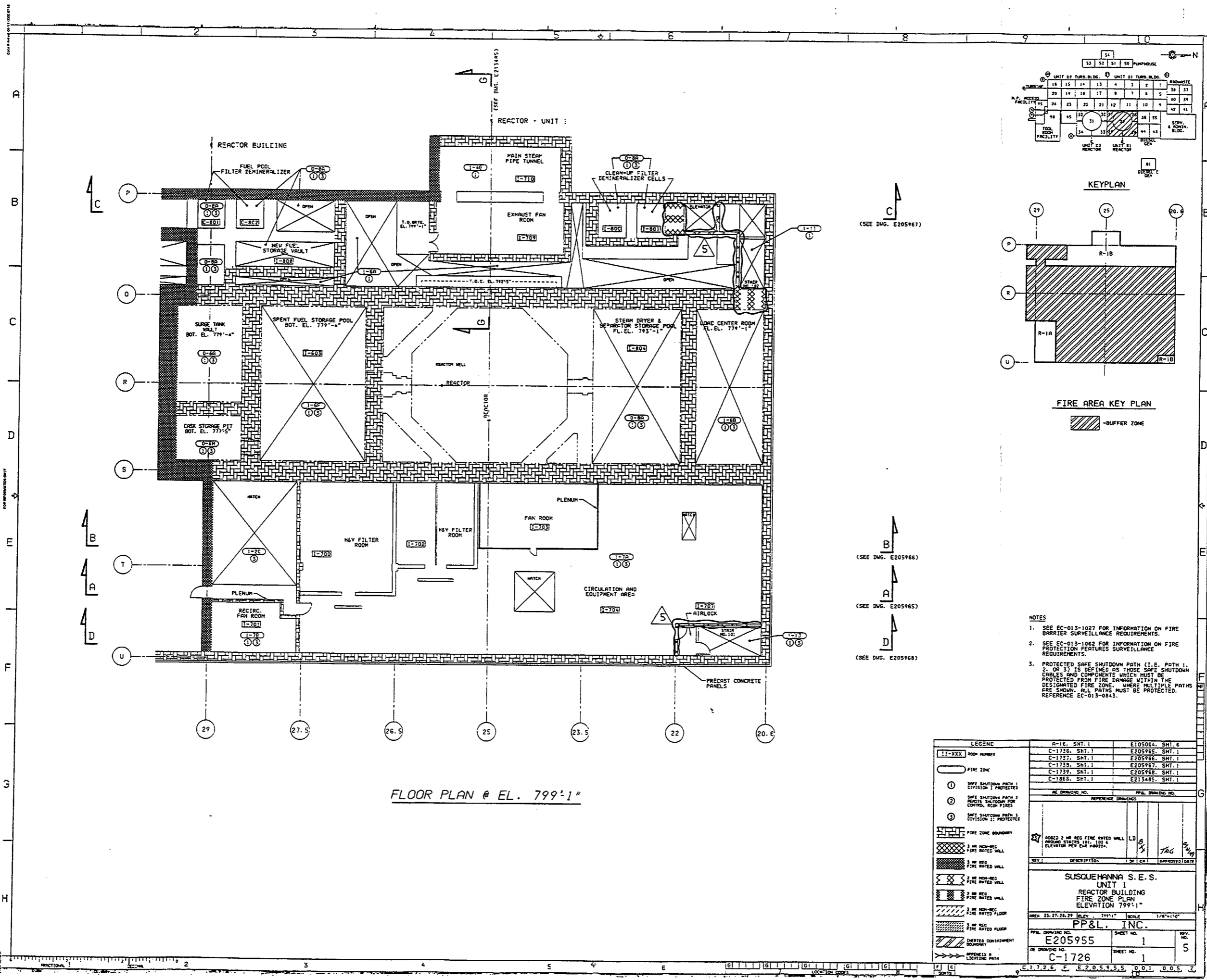
(SEE DNG. E205965)

(SEE DNG. E205968)

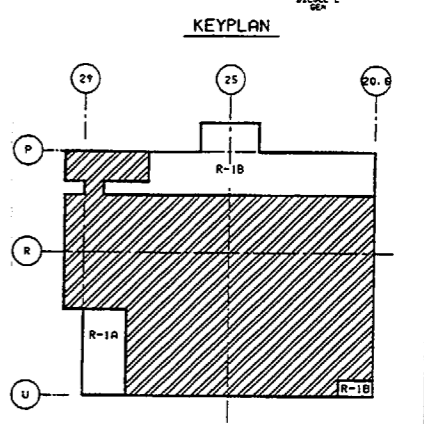
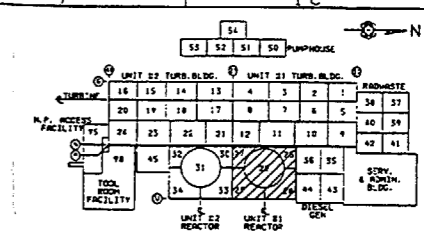
NOTES:
1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE BOTH DIVISIONS ARE SHOWN, BOTH DIVISIONS MUST BE PROTECTED

LEGEND:	A-16, SHT. 1	E105004, SHT. 6
[E-201] ROOM NUMBER	C-1736, SHT. 1	E205965, SHT. 1
[] FIRE ZONE	C-1737, SHT. 1	E205966, SHT. 1
[] DIVISION I PROTECTED SAFE SHUTDOWN PATH	C-1738, SHT. 1	E205967, SHT. 1
[] DIVISION II PROTECTED SAFE SHUTDOWN PATH	C-1739, SHT. 1	E205968, SHT. 1
[] FIRE ZONE BOUNDARY	C-1866, SHT. 1	E213485, SHT. 1
[] 3 HR. FIRE-RATED WALLS		
[] 2 HR. FIRE-RATED WALLS		
[] 3 HR. FIRE-RATED FLOORS		
[] SHOROT CONTAINMENT BOUNDARY		
[] REMOTE SHUTDOWN PATH		
	REV. DESCRIPTION	DATE
	REV. 1	10/28/81
	REV. 2	11/25/81
	REV. 3	12/1/81
	REV. 4	12/1/81
	REV. 5	12/1/81
	REV. 6	12/1/81
	REV. 7	12/1/81
	REV. 8	12/1/81
	REV. 9	12/1/81
	REV. 10	12/1/81
	REV. 11	12/1/81
	REV. 12	12/1/81
	REV. 13	12/1/81
	REV. 14	12/1/81
	REV. 15	12/1/81
	REV. 16	12/1/81
	REV. 17	12/1/81
	REV. 18	12/1/81
	REV. 19	12/1/81
	REV. 20	12/1/81
	REV. 21	12/1/81
	REV. 22	12/1/81
	REV. 23	12/1/81
	REV. 24	12/1/81
	REV. 25	12/1/81
	REV. 26	12/1/81
	REV. 27	12/1/81
	REV. 28	12/1/81
	REV. 29	12/1/81
	REV. 30	12/1/81
	REV. 31	12/1/81
	REV. 32	12/1/81
	REV. 33	12/1/81
	REV. 34	12/1/81
	REV. 35	12/1/81
	REV. 36	12/1/81
	REV. 37	12/1/81
	REV. 38	12/1/81
	REV. 39	12/1/81
	REV. 40	12/1/81
	REV. 41	12/1/81
	REV. 42	12/1/81
	REV. 43	12/1/81
	REV. 44	12/1/81
	REV. 45	12/1/81
	REV. 46	12/1/81
	REV. 47	12/1/81
	REV. 48	12/1/81
	REV. 49	12/1/81
	REV. 50	12/1/81
	REV. 51	12/1/81
	REV. 52	12/1/81
	REV. 53	12/1/81
	REV. 54	12/1/81
	REV. 55	12/1/81
	REV. 56	12/1/81
	REV. 57	12/1/81
	REV. 58	12/1/81
	REV. 59	12/1/81
	REV. 60	12/1/81
	REV. 61	12/1/81
	REV. 62	12/1/81
	REV. 63	12/1/81
	REV. 64	12/1/81
	REV. 65	12/1/81
	REV. 66	12/1/81
	REV. 67	12/1/81
	REV. 68	12/1/81
	REV. 69	12/1/81
	REV. 70	12/1/81
	REV. 71	12/1/81
	REV. 72	12/1/81
	REV. 73	12/1/81
	REV. 74	12/1/81
	REV. 75	12/1/81
	REV. 76	12/1/81
	REV. 77	12/1/81
	REV. 78	12/1/81
	REV. 79	12/1/81
	REV. 80	12/1/81
	REV. 81	12/1/81
	REV. 82	12/1/81
	REV. 83	12/1/81
	REV. 84	12/1/81
	REV. 85	12/1/81
	REV. 86	12/1/81
	REV. 87	12/1/81
	REV. 88	12/1/81
	REV. 89	12/1/81
	REV. 90	12/1/81
	REV. 91	12/1/81
	REV. 92	12/1/81
	REV. 93	12/1/81
	REV. 94	12/1/81
	REV. 95	12/1/81
	REV. 96	12/1/81
	REV. 97	12/1/81
	REV. 98	12/1/81
	REV. 99	12/1/81
	REV. 100	12/1/81

C-1725, E-205954, 0.01, 0.05, 2



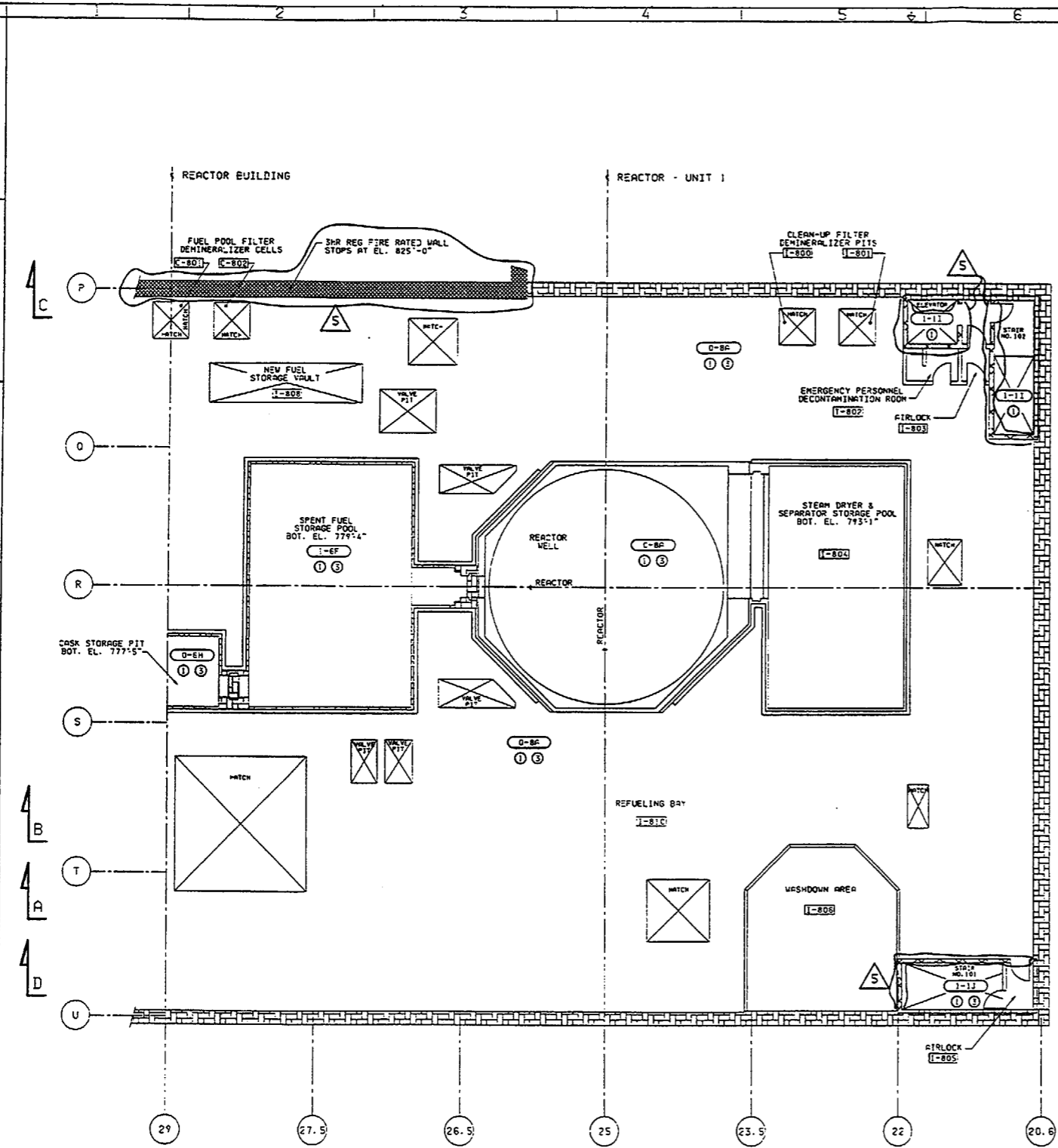
FLOOR PLAN @ EL. 799'-1"



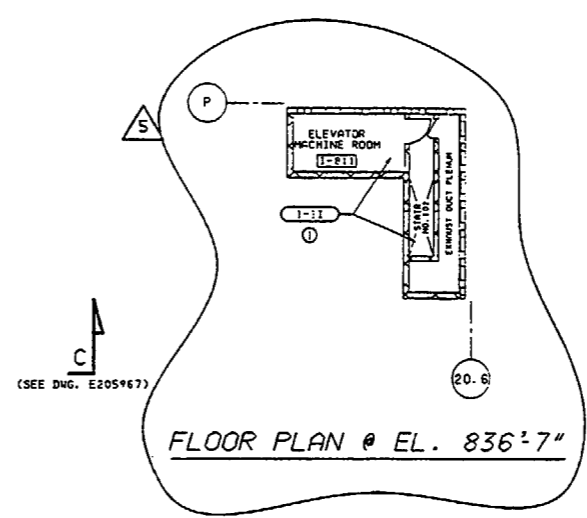
FIRE AREA KEY PLAN

- NOTES
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1062 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 - PROTECTED SAFE SHUTDOWN PATH (I.E. PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CIRCUITS AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-013-0843.

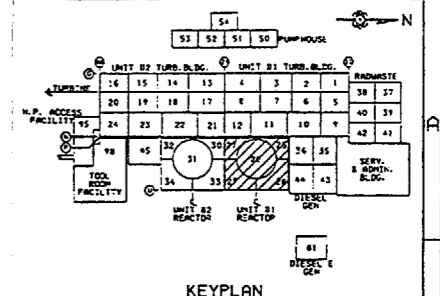
LEGEND		REFERENCE DRAWINGS	
11-XXX	ROOM NUMBER	A-1E, SHT. 1	E105004, SHT. 6
[Symbol]	FIRE ZONE	C-1726, SHT. 1	E205966, SHT. 1
[Symbol]	SAFE SHUTDOWN PATH 1 CIVISION 1; PROTECTED	C-1737, SHT. 1	E205966, SHT. 1
[Symbol]	SAFE SHUTDOWN PATH 2 RECIRC. SHUTDOWN FOR CONTROL ROOM FIRES	C-1739, SHT. 1	E205967, SHT. 1
[Symbol]	SAFE SHUTDOWN PATH 3 CIVISION 1; PROTECTED	C-1739, SHT. 1	E205968, SHT. 1
[Symbol]	FIRE ZONE BOUNDARY	C-1866, SHT. 1	E215485, SHT. 1
[Symbol]	3 HR NON-REC. FIRE RATED WALL	PP&L DRAWING NO.	
[Symbol]	1 HR REC. FIRE RATED WALL	PP&L DRAWING NO.	
[Symbol]	2 HR NON-REC. FIRE RATED WALL	REFERENCE DRAWINGS	
[Symbol]	2 HR REC. FIRE RATED WALL	REV. 1 DESCRIPTION 1 OF 1 CH. 1 APPROVED DATE	
[Symbol]	3 HR NON-REC. FIRE RATED FLOOR	SUSQUEHANNA S.E.S. UNIT 1 REACTOR BUILDING FIRE ZONE PLAN ELEVATION 799'-1"	
[Symbol]	3 HR REC. FIRE RATED FLOOR	AREA 25, 27, 28, 29 SHEET NO. 1 SCALE 1/8"=1'-0"	
[Symbol]	UNITED CONTAINMENT BOUNDARY	PP&L, INC. PP&L DRAWING NO. E205955 SHEET NO. 1 REV. NO. 5	
[Symbol]	APPROVED & LIGHTING PATH	RE DRAWING NO. C-1726 SHEET NO. 1	



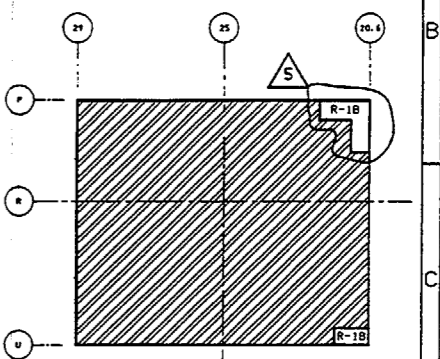
FLOOR PLAN @ EL. 818'-1"



FLOOR PLAN @ EL. 836'-7"



KEYPLAN



FIRE AREA KEY PLAN

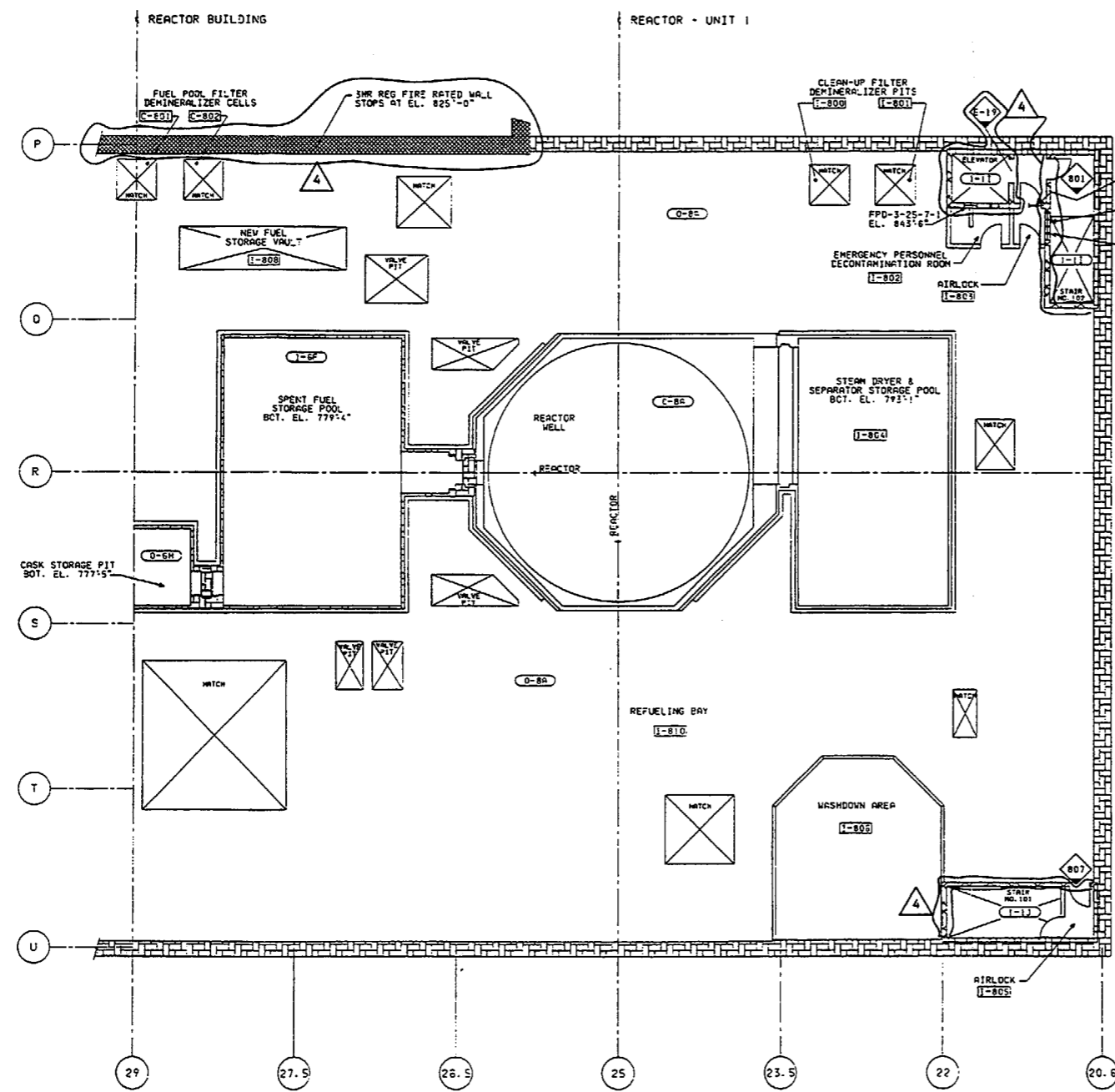
- NOTES
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1062 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 - PROTECTED SAFE SHUTDOWN PATH (I.E. PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-013-0843.

- B (SEE DWG. E205966)
- A (SEE DWG. E205965)
- D (SEE DWG. E205968)

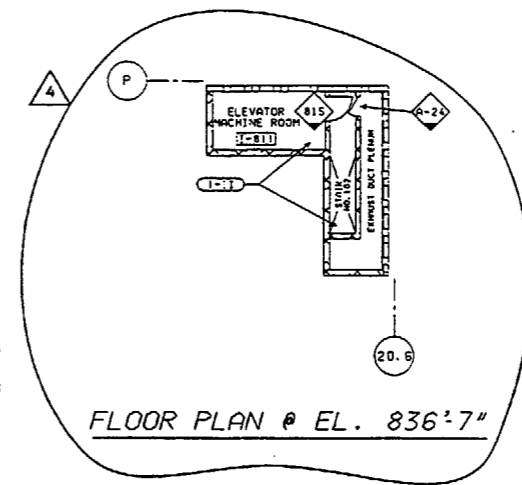
LEGEND	REV	DESCRIPTION	DATE	BY	CHK	APPROVED DATE
1-XXX		ROOM NUMBER				
---		FIRE ZONE				
①		SAFE SHUTDOWN PATH-1 DIVISION 1 PROTECTED				
②		SAFE SHUTDOWN PATH-2 DIVISION 2 CONTROL ROOM FIRES				
③		SAFE SHUTDOWN PATH-3 DIVISION 3 PROTECTED				
---		FIRE ZONE BOUNDARY				
---		3 HR NON-REG. FIRE RATED WALL				
---		3 HR REG. FIRE RATED WALL				
---		3 HR NON-REG. FIRE RATED WALL				
---		3 HR REG. FIRE RATED WALL				
---		3 HR NON-REG. FIRE RATED FLOOR				
---		3 HR REG. FIRE RATED FLOOR				
---		UNTESTED CONTAINMENT BOUNDARY				
---		APPENDIX B LIGHTING PATH				

REV	DESCRIPTION	DATE	BY	CHK	APPROVED DATE
1	REVISED PARTIAL ELEVATION 818'-1" REVISED FIRE RATING ON WALLS AROUND STAIR 101, STAIR 102, ELEVATOR AND WALL ADJACENT TO STAIR 101 PER EWP 802774.				

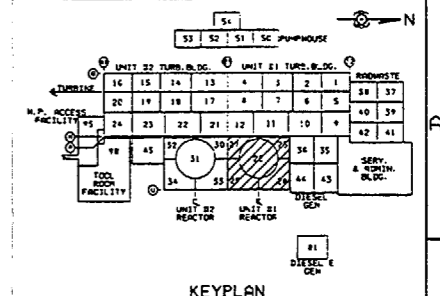
SUSQUEHANNA S. E. S. UNIT 1	
REACTOR BUILDING FIRE ZONE PLAN ELEVATION 818'-1"	
AREA 25-27, 28, 29	ELEV. 818'-1" SCALE 1/8"=1'-0"
PP&L, INC.	
PP&L DRAWING NO. E205956	SHEET NO. 1
REV. DRAWING NO. C-1727	SHEET NO. 5



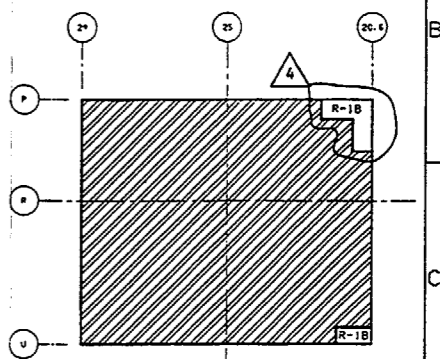
FLOOR PLAN @ EL. 818'-1"



FLOOR PLAN @ EL. 836'-7"



KEYPLAN



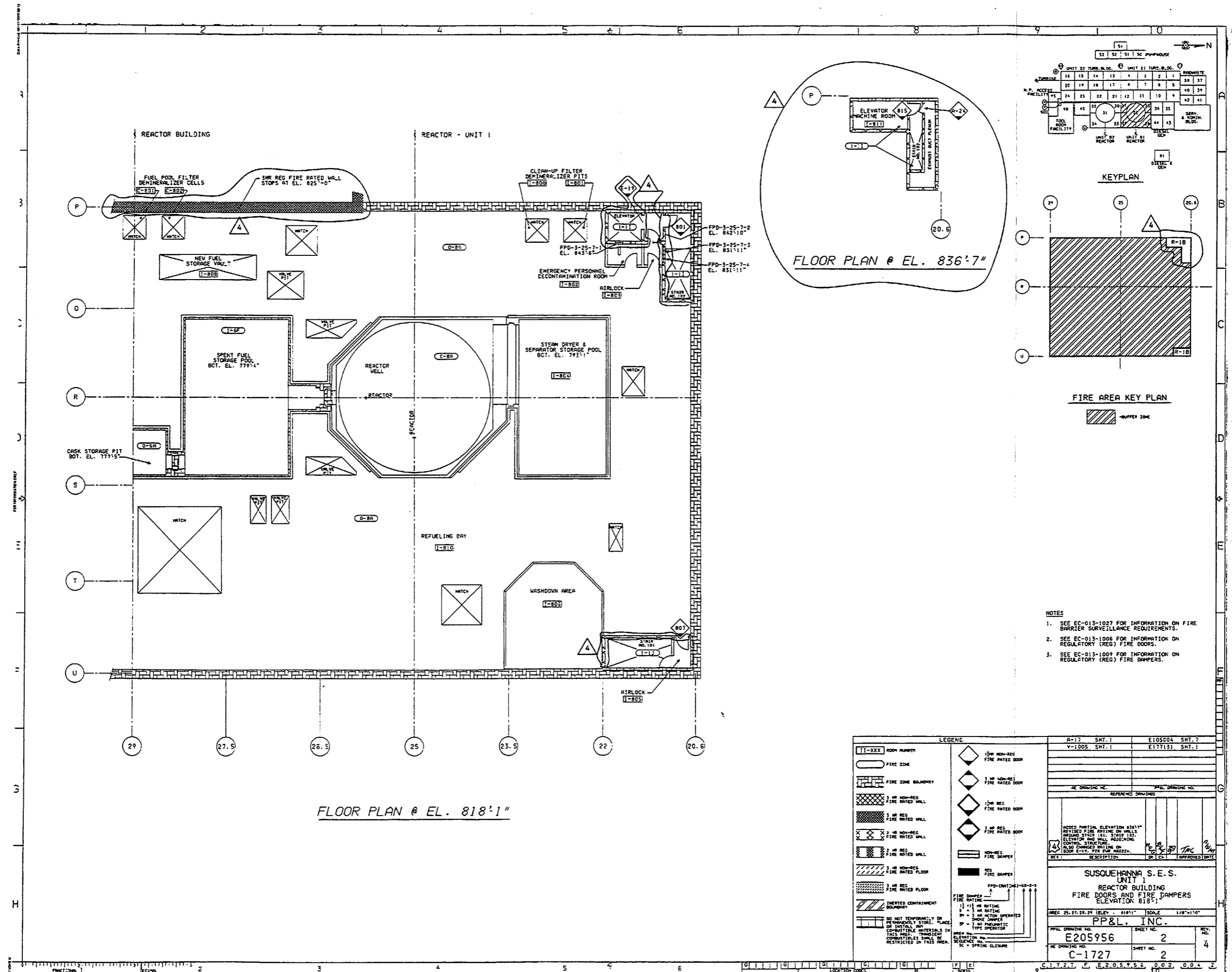
FIRE AREA KEY PLAN

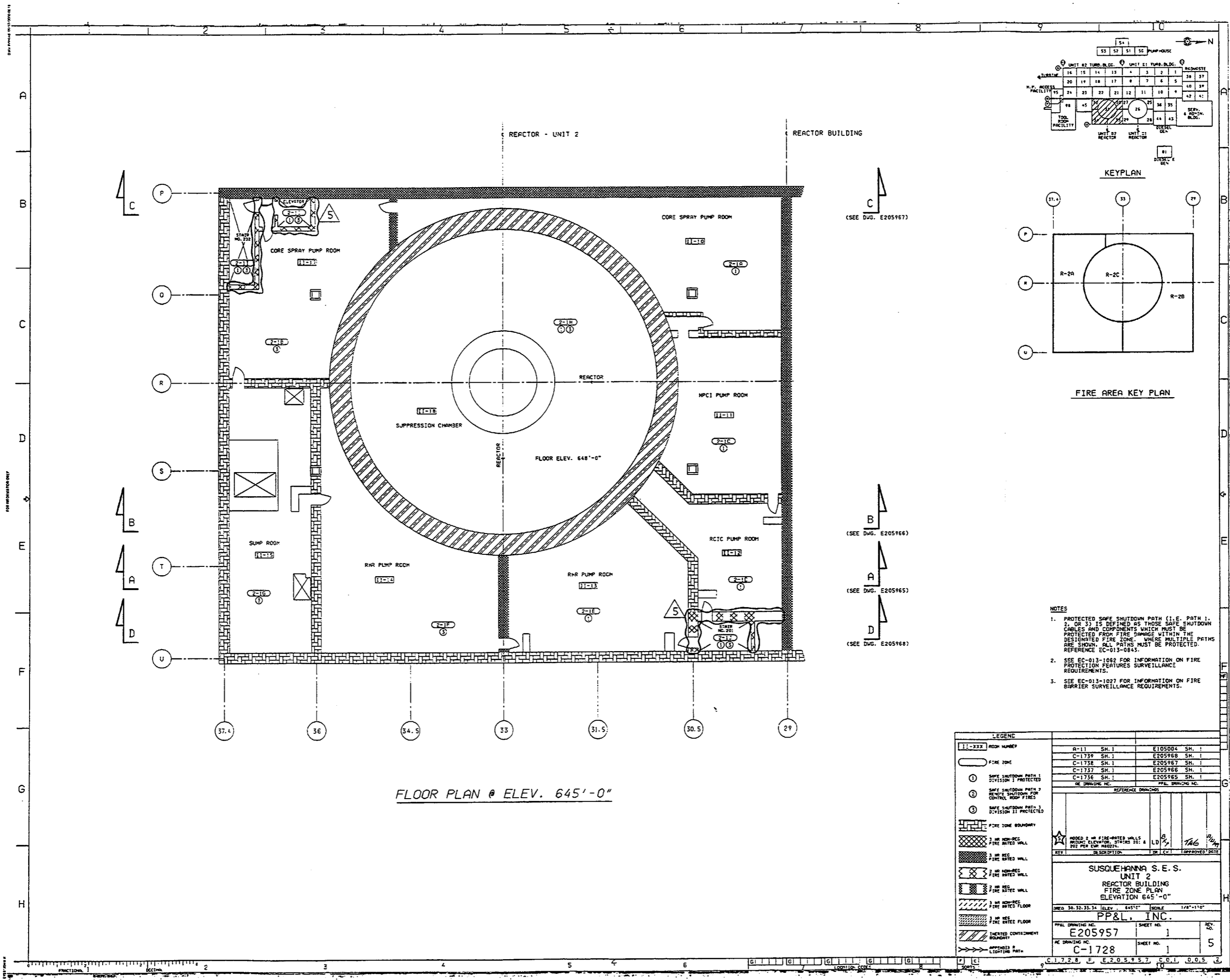
- NOTES
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1006 FOR INFORMATION ON REGULATORY (REG) FIRE DOORS.
 - SEE EC-013-1009 FOR INFORMATION ON REGULATORY (REG) FIRE DAMPERS.

LEGEND

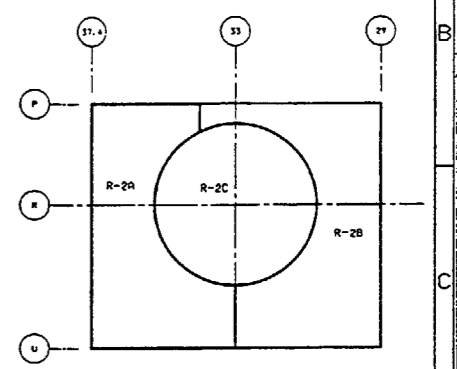
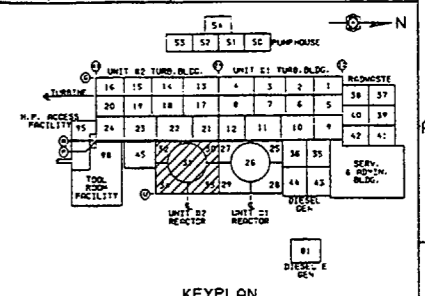
[1]-XXX	ROOM NUMBER	◇	1/2 HR NON-REG FIRE RATED DOOR
○	FIRE ZONE	◇	3 HR NON-REG FIRE RATED DOOR
▬	FIRE ZONE BOUNDARY	◇	1/2 HR REG FIRE RATED DOOR
▨	3 HR NON-REG FIRE RATED WALL	◇	3 HR REG FIRE RATED DOOR
▩	3 HR REG FIRE RATED WALL	▬	NON-REG FIRE DAMPER
▧	2 HR NON-REG FIRE RATED WALL	▬	REG FIRE DAMPER
▦	2 HR REG FIRE RATED WALL	▬	FPD-COMT-23-33-2-3
▤	1 HR NON-REG FIRE RATED WALL	▬	FPD-COMT-23-33-2-3
▣	1 HR REG FIRE RATED WALL	▬	FPD-COMT-23-33-2-3
▢	EMERGED CONTAINMENT BOUNDARY	▬	FPD-COMT-23-33-2-3
▧	DO NOT TEMPORARILY OR PERMANENTLY STORE, PLACE OR INSTALL ANY COMPATIBLE MATERIALS IN THIS AREA. TRANSPARENT MATERIALS SHALL BE RESTRICTED IN THIS AREA.	▬	FPD-COMT-23-33-2-3

R-17	SHT. 1	E10SC04	SHT. 7
V-1005	SHT. 1	E177151	SHT. 1
RE DRAWING NO.		PANEL DRAWING NO.	
REFERENCE DRAWINGS			
REVISIONS 43 REVISD PARTIAL ELEVATION 831'11" REVISD FIRE RATING ON WALLS (MACHINE ROOM) (E1, 3) (SEE E10) ELEVATOR AND WALL SUBMITTING CONTROL STRUCTURE. ALSO CHANGED RATING ON DOOR E-119, FIRE RATED 23224. ON 1/23/78 REV. DESCRIPTION OF 1/23/78 APPROVED BY:			
SUSQUEHANNA S. E. S. UNIT 1 REACTOR BUILDING FIRE DOORS AND FIRE DAMPERS ELEVATION 818'-1"			
PP&L, INC.		SCALE 1/8"=1'-0"	
AREA 25, 27, 29, 29	ELEV. 818'-1"	DATE 25, 27, 29, 29	
PP&L DRAWING NO.	SHEET NO.	REV. NO.	
E205956	2	4	
RE DRAWING NO.	SHEET NO.	REV. NO.	
C-1727	2	4	





FLOOR PLAN @ ELEV. 645'-0"



FIRE AREA KEY PLAN

(SEE DWG. E205967)

(SEE DWG. E205966)

(SEE DWG. E205965)

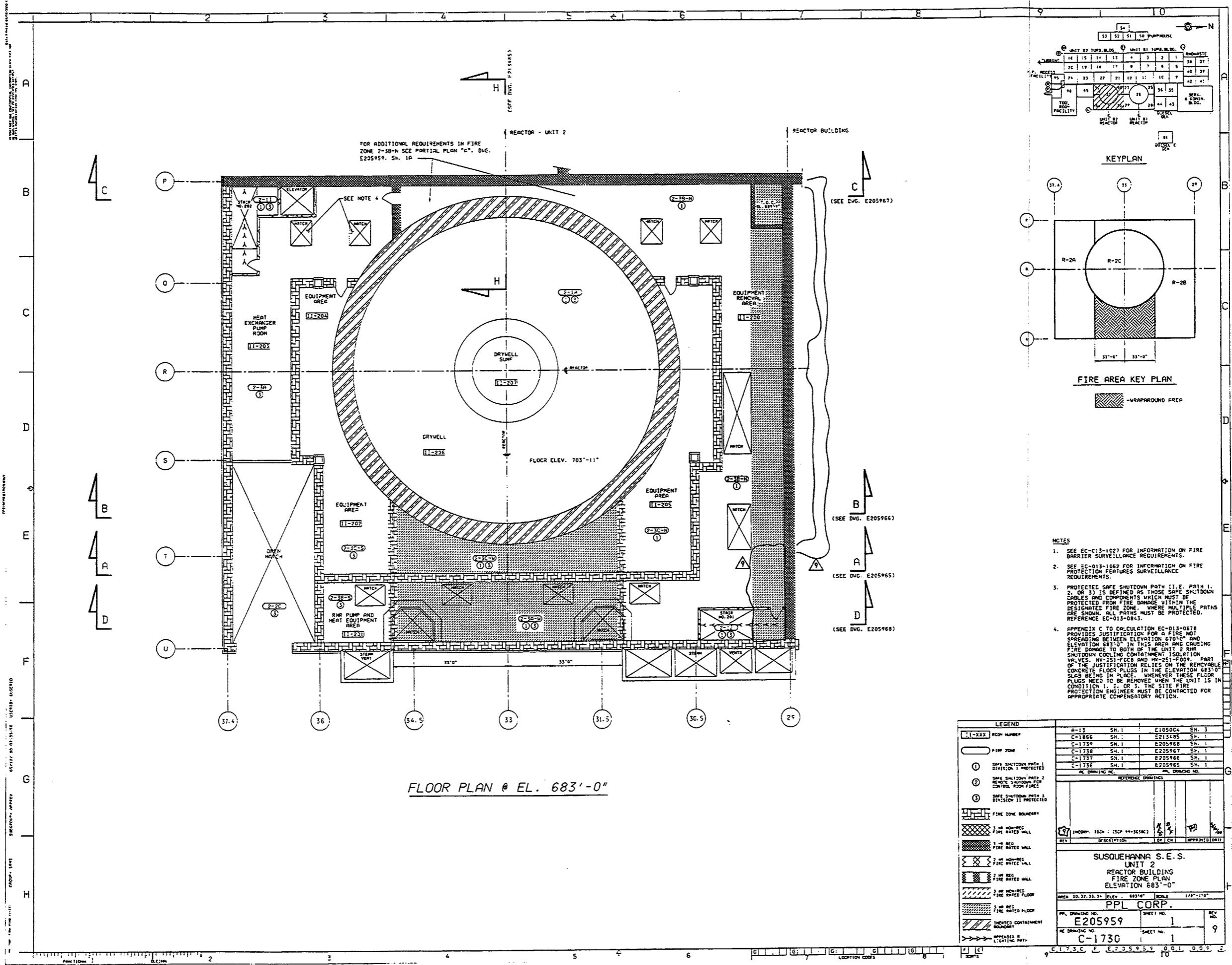
(SEE DWG. E205968)

- NOTES
1. PROTECTED SAFE SHUTDOWN PATH (I.E. PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-013-0843.
 2. SEE EC-013-1082 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 3. SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.

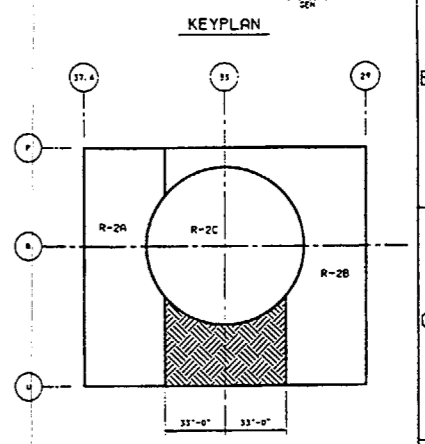
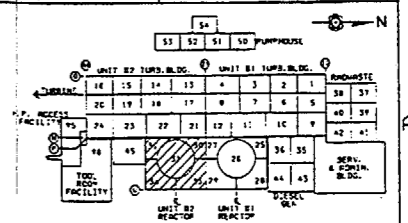
LEGEND			
11-2XX	ROOM NUMBER		
○	FIRE ZONE		
①	SAFE SHUTDOWN PATH 1 DIVISION I PROTECTED		
②	SAFE SHUTDOWN PATH 2 REMOTE SHUTDOWN FOR CONTROL ROOM FIRES		
③	SAFE SHUTDOWN PATH 3 DIVISION II PROTECTED		
---	FIRE ZONE BOUNDARY		
---	3 HR NON-REG. FIRE RATED WALL		
---	3 HR REG. FIRE RATED WALL		
---	2 HR NON-REG. FIRE RATED WALL		
---	2 HR REG. FIRE RATED WALL		
---	3 HR NON-REG. FIRE RATED FLOOR		
---	3 HR REG. FIRE RATED FLOOR		
---	EMERGED CONTAINMENT BOUNDARY		
---	APPENDIX B LIGHTING PATH		

REVISION	DESCRIPTION	DATE	BY	CHKD.

SUSQUEHANNA S.E.S.			
UNIT 2			
REACTOR BUILDING			
FIRE ZONE PLAN			
ELEVATION 645'-0"			
SHEET NO. 1		SCALE 1/8"=1'-0"	
PP&L, INC.		DATE 30.32.33.34	
E205957		ELEV. EAST	
C-1728		SHEET NO. 5	



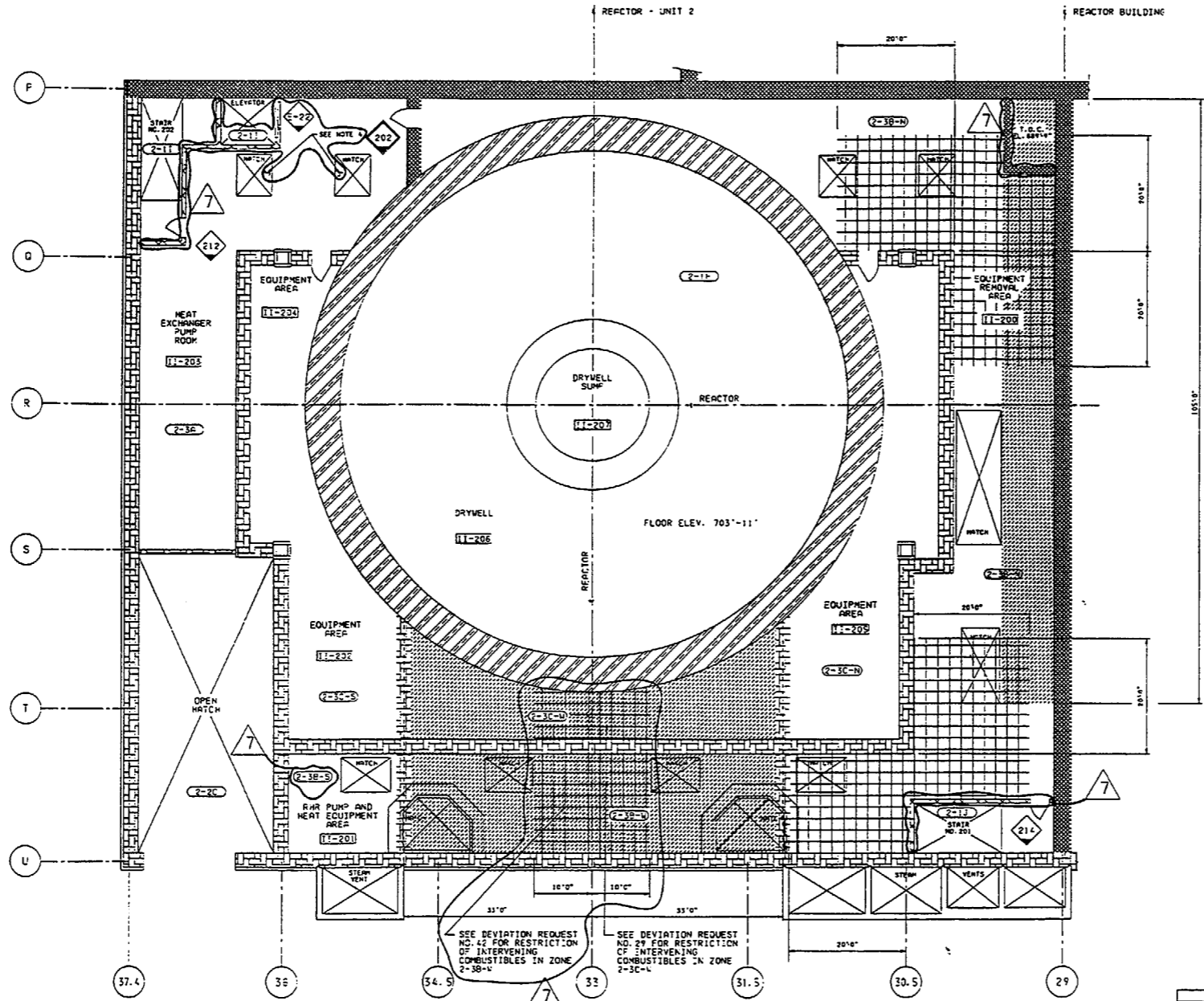
FLOOR PLAN @ EL. 683'-0"



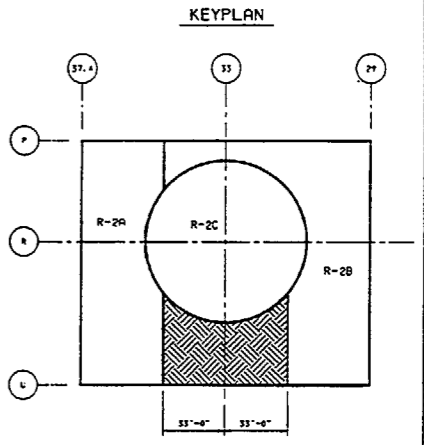
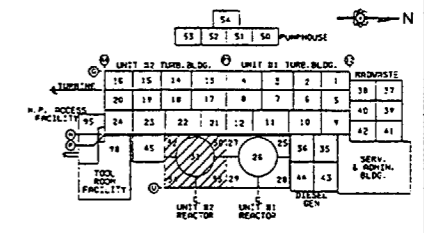
FIRE AREA KEY PLAN
-WRAPROUND AREA

- NOTES
- SEE EC-C13-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-C13-1022 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 - PROTECTED SAFE SHUTDOWN PATH (I.E. PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-C13-0843.
 - APPENDIX C TO CALCULATION EC-013-0278 PROVIDES JUSTIFICATION FOR A FIRE NOT SPREADING BETWEEN ELEVATION 670'-0" AND ELEVATION 683'-0" IN THIS AREA AND CAUSING FIRE DAMAGE TO BOTH OF THE UNIT 2 RHR SHUTDOWN COOLING CONTAINMENT ISOLATION VALVES, HV-251-102B AND HV-251-102A. PART OF THE JUSTIFICATION RELIES ON THE REMOVABLE CONCRETE FLOOR PLUGS IN THE ELEVATION 683'-0" SLAB BEING IN PLACE. WHENEVER THESE FLOOR PLUGS NEED TO BE REMOVED WHEN THE UNIT IS IN CONDITION 1, 2, OR 3, THE SITE FIRE PROTECTION ENGINEER MUST BE CONTACTED FOR APPROPRIATE COMPENSATORY ACTION.

LEGEND		REFERENCE DRAWINGS	
[Symbol]	ROOM NUMBER	A-13	SH. 1 E105004 SH. 3
[Symbol]	FIRE ZONE	C-1856	SH. 1 E213485 SH. 1
[Symbol]	SAFE SHUTDOWN PATH 1 DIVISION I PROTECTED	C-1739	SH. 1 E205968 SH. 1
[Symbol]	SAFE SHUTDOWN PATH 2 REMOVABLE SHUTDOWN FOR CONTROL ROOM FIRE	C-1738	SH. 1 E205967 SH. 1
[Symbol]	SAFE SHUTDOWN PATH 3 DIVISION II PROTECTED	C-1727	SH. 1 E205966 SH. 1
[Symbol]	FIRE ZONE BOUNDARY	C-1736	SH. 1 E205965 SH. 1
[Symbol]	2 HR UNW-REC FIRE RATED WALL	PPL DRAWING NO. PPL DRAWING NO.	
[Symbol]	3 HR UNW-REC FIRE RATED WALL	REV. DESCRIPTION OR CHK. APPROVED (DATE)	
[Symbol]	2 HR UNW-REC FIRE RATED WALL	SUSQUEHANNA S. E. S. UNIT 2 REACTOR BUILDING FIRE ZONE PLAN ELEVATION 683'-0" AREA 30.32.33.34 ELEV. 683'-0" SCALE 1/8"=1'-0" PPL CORP. PPL DRAWING NO. SHEET NO. REV. NO. E205959 1 9 RE DRAWING NO. SHEET NO. C-1730 1 1	
[Symbol]	3 HR UNW-REC FIRE RATED FLOOR		
[Symbol]	5 HR UNW-REC FIRE RATED FLOOR		
[Symbol]	INHERITED CONTAINMENT BOUNDARY		
[Symbol]	APPENDIX C TO CALCULATION EC-013-0278		



FLOOR PLAN @ EL. 683'-0"



- NOTES
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1006 FOR INFORMATION ON REGULATORY (REG) FIRE DOORS.
 - SEE EC-013-1009 FOR INFORMATION ON REGULATORY (REG) FIRE DAMPERS.
 - APPENDIX C TO CALCULATION EC-013-0678 PROVIDES JUSTIFICATION FOR A FIRE SPREADING BETWEEN ELEVATION 670'-0" AND ELEVATION 683'-0" IN THIS AREA AND CAUSING FIRE DAMAGE TO BOTH OF THE UNIT 2 RHR SHUTDOWN COOLING CONTAINMENT ISOLATION VALVES, HV-251-C08 AND HV-251-F04. PART OF THE JUSTIFICATION RELIES ON THE REMOVABLE CONCRETE FLOOR PLUGS IN THE ELEVATION 683'-0" SLAB BEING IN PLACE. WHENEVER THESE FLOOR PLUGS NEED TO BE REMOVED WHEN THE UNIT IS IN CONDITION 1, 2, OR 3, THE SITE FIRE PROTECTION ENGINEER MUST BE CONTACTED FOR APPROPRIATE COMPENSATORY ACTION.

LEGEND

1 1/2 HR NON-REG FIRE RATED DOOR	1 1/2 HR NON-REG FIRE RATED DOOR
3 HR NON-REG FIRE RATED DOOR	3 HR NON-REG FIRE RATED DOOR
1 1/2 HR REG FIRE RATED DOOR	1 1/2 HR REG FIRE RATED DOOR
3 HR REG FIRE RATED DOOR	3 HR REG FIRE RATED DOOR
NON-REG FIRE DAMPER	NON-REG FIRE DAMPER
REG FIRE DAMPER	REG FIRE DAMPER
1 1/2 HR RATING FIRE DAMPER	1 1/2 HR RATING FIRE DAMPER
3 HR RATING FIRE DAMPER	3 HR RATING FIRE DAMPER
1 1/2 HR MOTOR OPERATED SMOKE DAMPER	1 1/2 HR MOTOR OPERATED SMOKE DAMPER
3 HR MOTOR OPERATED SMOKE DAMPER	3 HR MOTOR OPERATED SMOKE DAMPER
DO NOT TEMPORARILY OR PERMANENTLY STORE, PLACE OR INSTALL ANY COMBUSTIBLE MATERIALS IN THIS AREA. TRANSPORT COMBUSTIBLES SHALL BE RESTRICTED IN THIS AREA.	DO NOT TEMPORARILY OR PERMANENTLY STORE, PLACE OR INSTALL ANY COMBUSTIBLE MATERIALS IN THIS AREA. TRANSPORT COMBUSTIBLES SHALL BE RESTRICTED IN THIS AREA.

REVISIONS	NO.	DESCRIPTION	DATE
1			
2			
3			
4			
5			
6			
7			

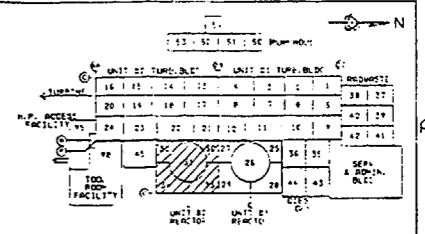
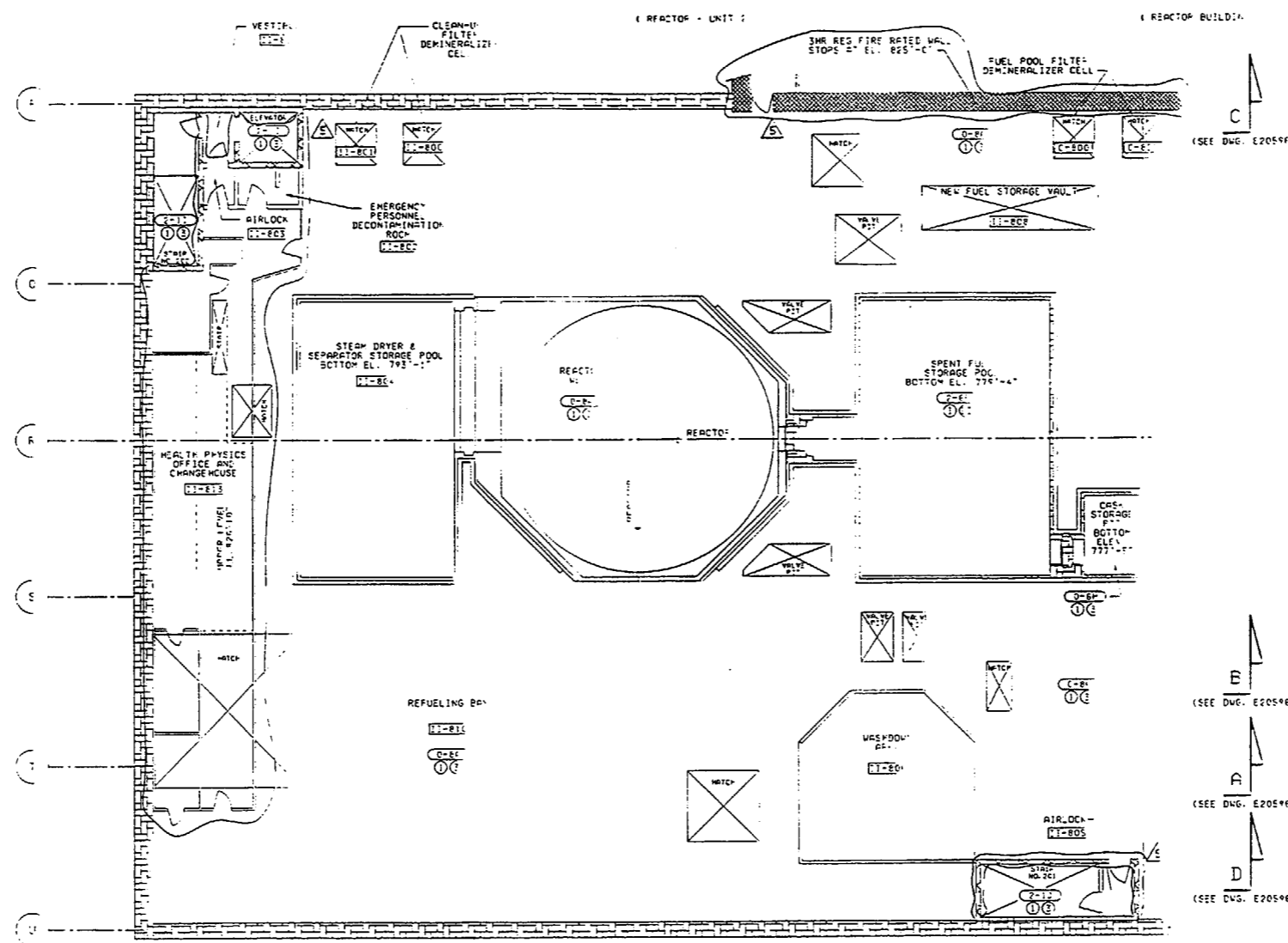
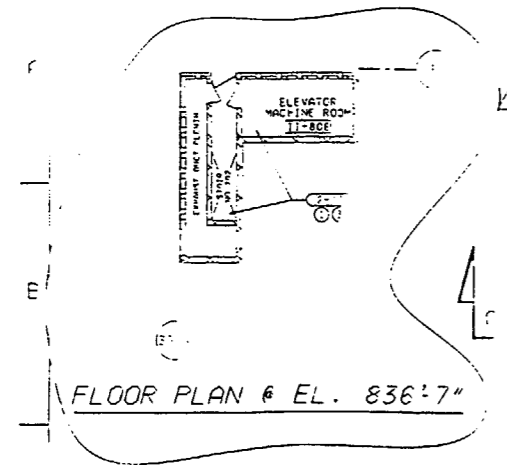
SUSQUEHANNA S. E. S. UNIT 2 REACTOR BUILDING FIRE DOORS AND DAMPERS ELEVATION 683'-0"

PP&L, INC.

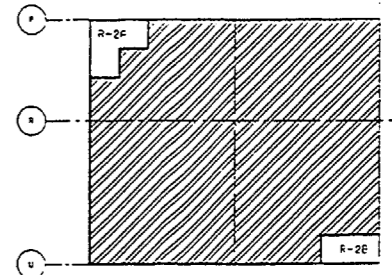
PP&L DRAWING NO. E205959 SHEET NO. 2 REV. NO. 7

REVISIONS: 1. REVISED DOOR E-22 TO NON-REG. 2. REVISED DOOR E-22 TO NON-REG. 3. REVISED DOOR E-22 TO NON-REG. 4. REVISED DOOR E-22 TO NON-REG. 5. REVISED DOOR E-22 TO NON-REG. 6. REVISED DOOR E-22 TO NON-REG. 7. REVISED DOOR E-22 TO NON-REG.

FLOOR PLAN @ EL. 836'-7"



KEYPLAN



FIRE AREA KEY PLAN

- NOTE:
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1022 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 - PROTECTED SAFE SHUTDOWN PATH (I.E. PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-013-062.

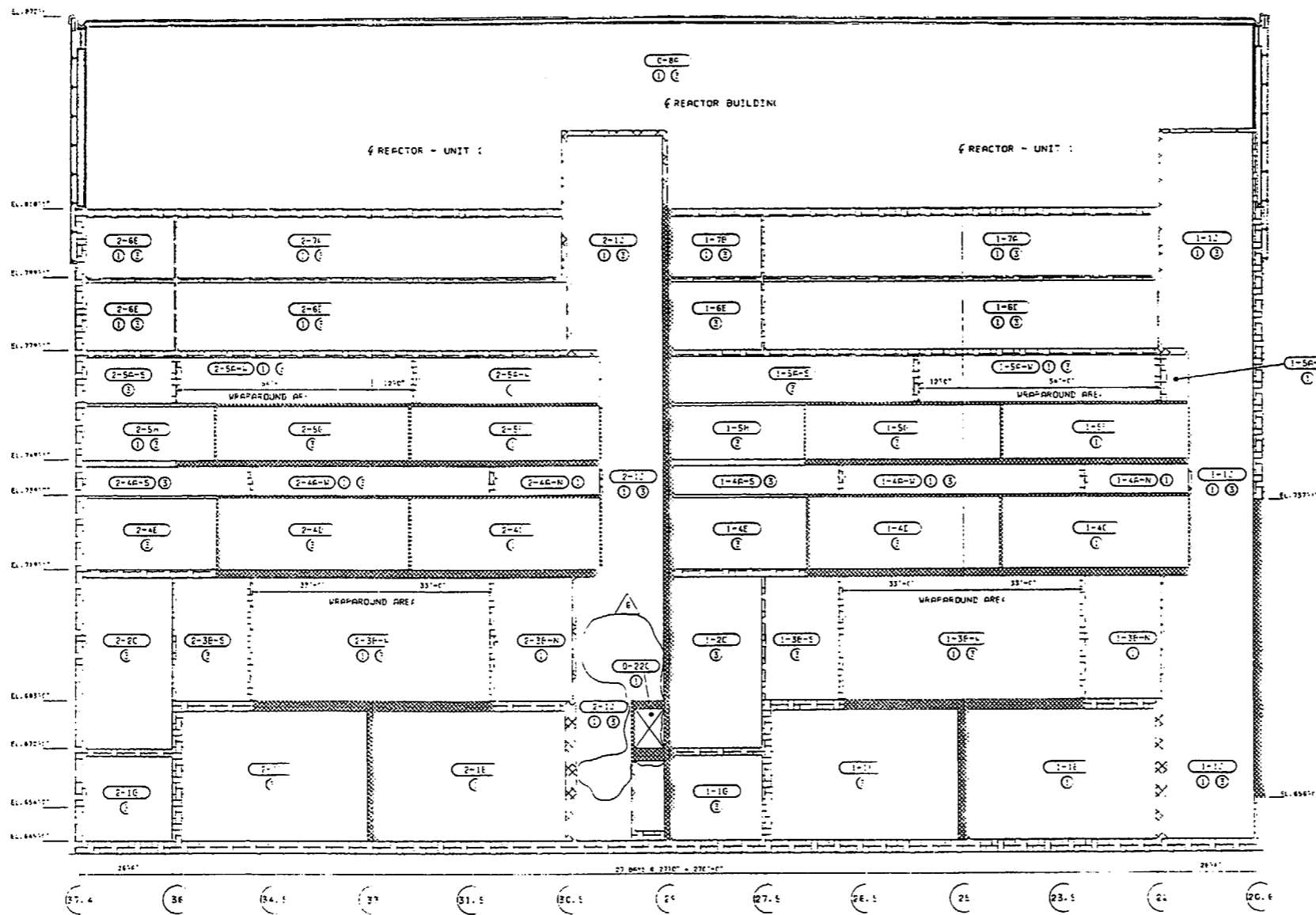
FLOOR PLAN @ EL. 818'-1"

LEGEND	
11-XXX	ROOM NUMBER
[Symbol]	FIRE ZONE
[Symbol]	SAFE SHUTDOWN PATH 1 DIVISION I PROTECTED
[Symbol]	SAFE SHUTDOWN PATH 2 DIVISION I PROTECTED
[Symbol]	SAFE SHUTDOWN PATH 3 DIVISION I PROTECTED
[Symbol]	1 IN. MIN. FIRE RATED WALL
[Symbol]	2 IN. MIN. FIRE RATED WALL
[Symbol]	3 IN. MIN. FIRE RATED WALL
[Symbol]	1 IN. MIN. FIRE RATED FLOOR
[Symbol]	2 IN. MIN. FIRE RATED FLOOR
[Symbol]	3 IN. MIN. FIRE RATED FLOOR
[Symbol]	UNASSIGNED CONTAINMENT ROOMS
[Symbol]	UNASSIGNED ELEVATOR SHAFT

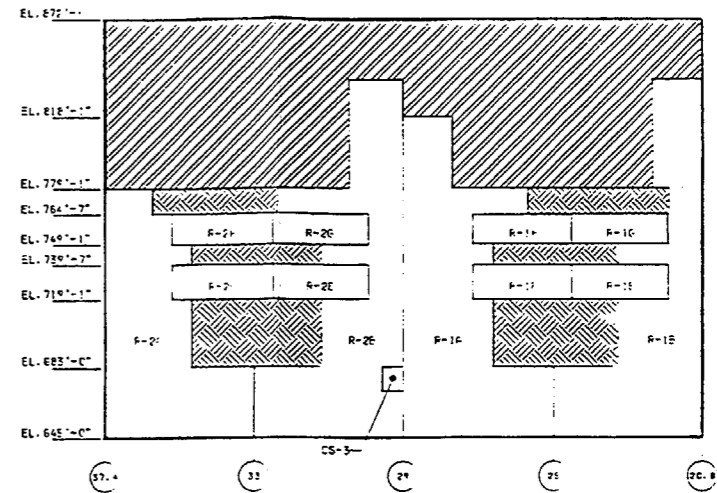
NO.	DESCRIPTION	DATE	BY	APPROVED
1	ISSUED FOR CONSTRUCTION	10/1/76	J. L. ...	[Signature]

SUSQUEHANNA S. E. S. UNIT
REACTOR BUILDING
FIRE ZONE PLAN
ELEVATION 818'-1"

PP&L, INC.
E20596
C-173



SECTION D-D



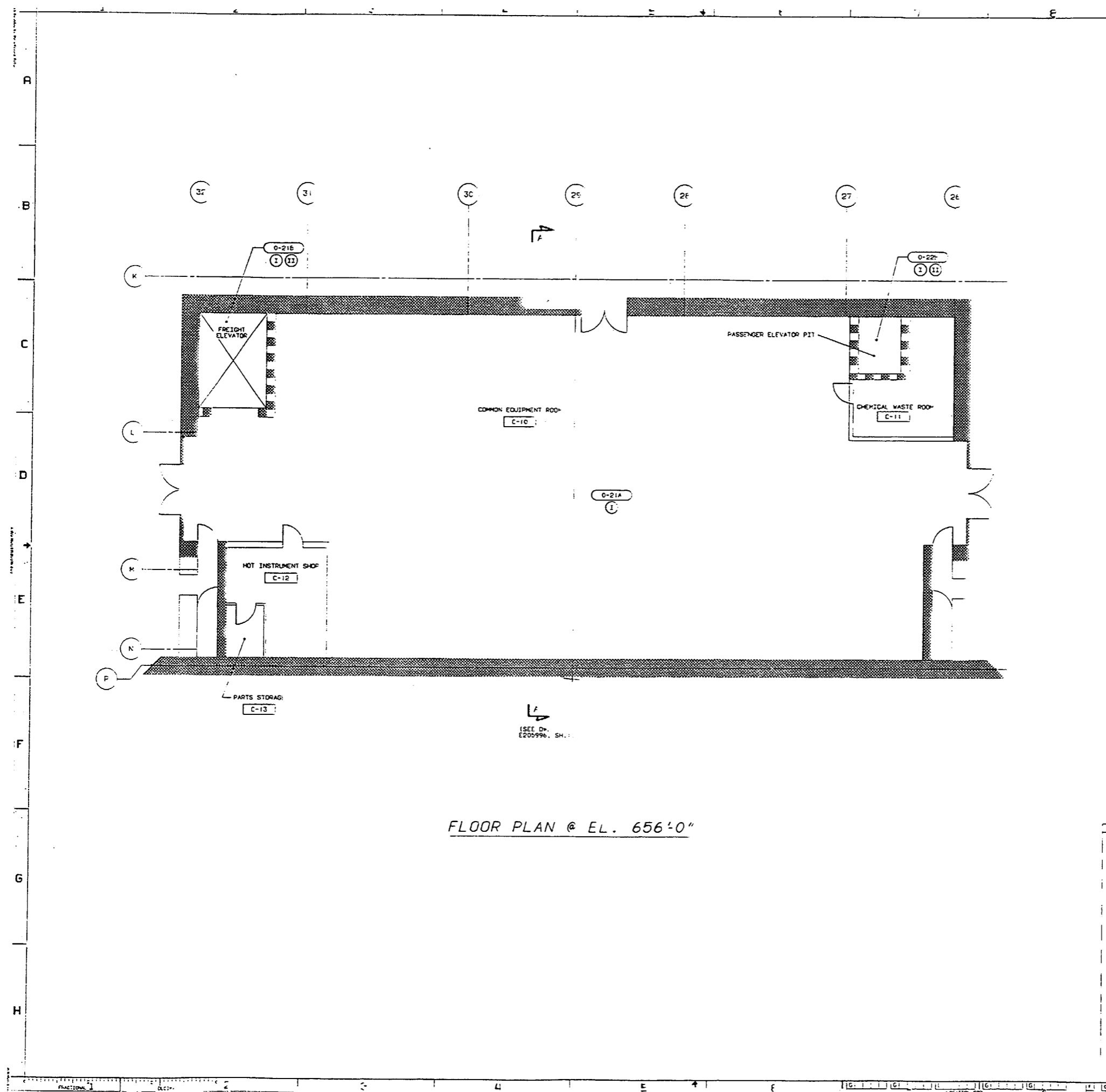
FIRE AREA KEY PLAN

-BUFFER ZONE
 -WRAPAROUND ARE.

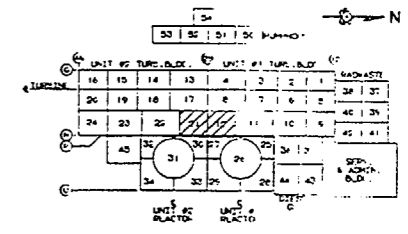
- NOTE:
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENT.
 - SEE EC-013-1062 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENT.
 - PROTECTED SAFE SHUTDOWN PATH (I.E. PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-011-064.

LEGEND	
11-XXX	ROOM NUMBER
(O)	FIRE ZONE
(1)	SAFE SHUTDOWN PATH 1 DIVISION 1 PROTECTED
(2)	SAFE SHUTDOWN PATH 2 FENCE SHUTDOWN FOR CONTROL ROOM FIRE
(3)	SAFE SHUTDOWN PATH 3 DIVISION 2 PROTECTED
(---)	FIRE ZONE BOUNDARY
(---)	1 IN. NON-REL. FIRE RATED WA.
(---)	1/2 IN. REL. FIRE RATED WA.
(---)	1/2 IN. NON-REL. FIRE RATED WA.
(---)	1/2 IN. REL. FIRE RATED WA.
(---)	1 IN. NON-REL. FIRE RATED FLOOR
(---)	1 IN. REL. FIRE RATED FLOOR
(---)	IMPERVED CONTAINMENT BOUNDARY
(---)	APPLICABLE LIGHTING PAT.

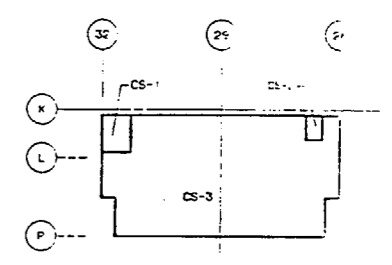
INCORP. 1DCN 31DCP 99-1100E	REV. 10/80
DESCRIPTION	APPROVED DATE
SUSQUEHANNA S.E.S. UNITS 1 AND 2 REACTOR BUILDING FIRE ZONE ELEVATION SECTION D-D	
AREA: 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	SCALE: NO SCALE
PPL CORP.	SHEET NO. 6
E205968	C-173C



FLOOR PLAN @ EL. 656'-0"



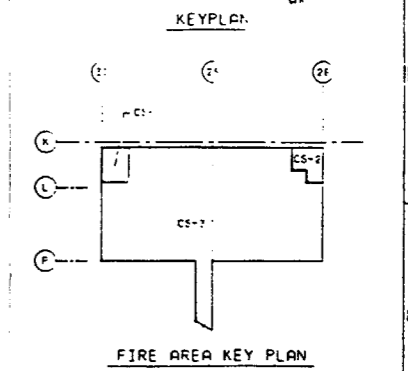
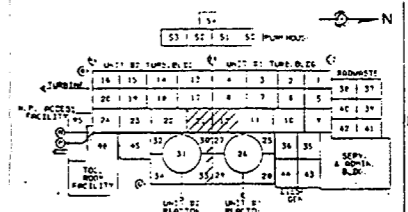
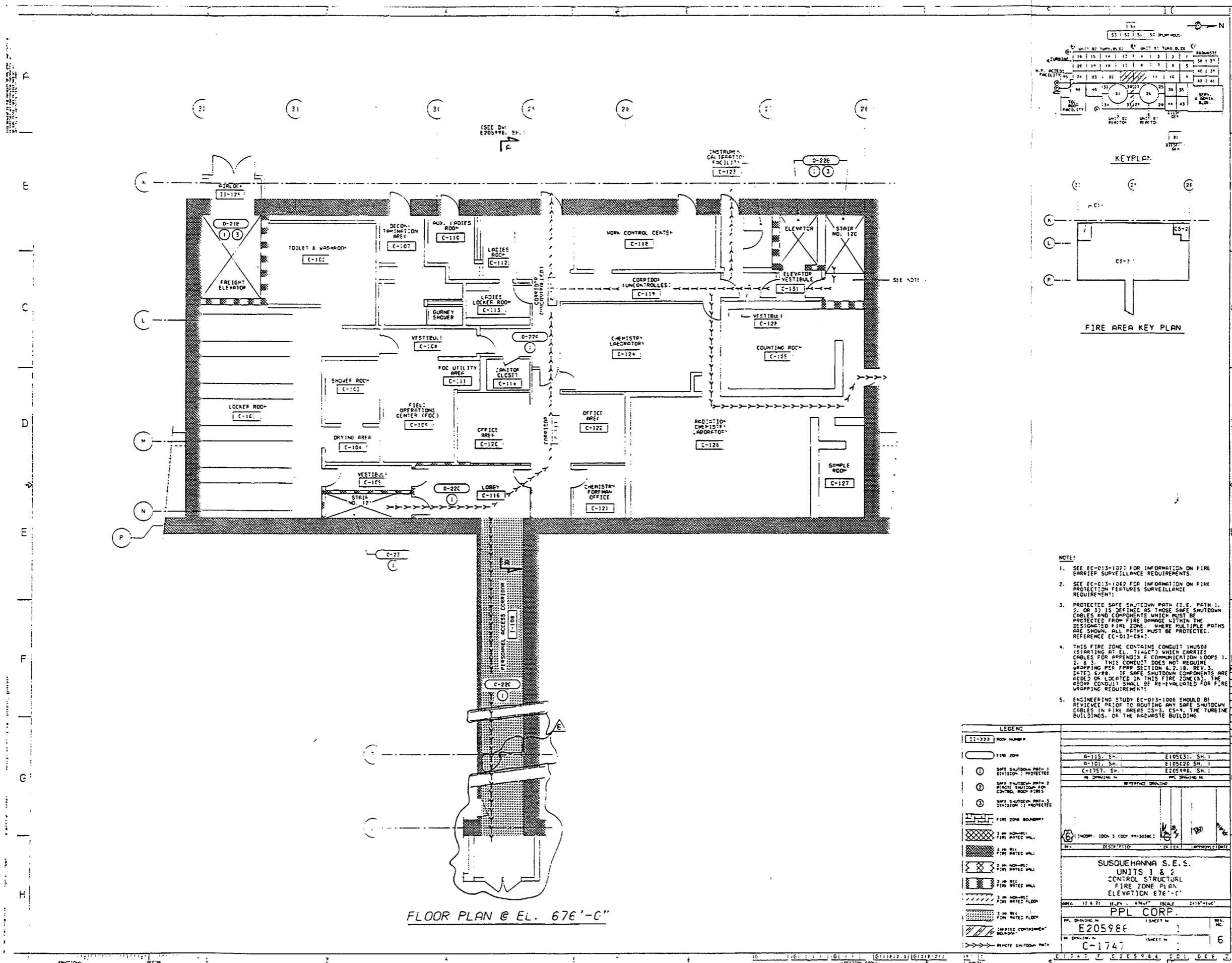
KEY PLAN



FIRE AREA KEY PLAN

- NOTES:
1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHEN BOTH DIVISIONS ARE SHOWN, BOTH DIVISIONS MUST BE PROTECTED.
 2. FIRE RATED BARRIERS AND OTHER FIRE COMPONENTS SHOWN IN THIS DRAWING ARE THE MINIMUM REQUIRED TO MEET THE PROVISIONS OF APPENDIX I TO 10CFR 50.48, APPENDIX A TO BRANCH TECHNICAL SPECIFICATIONS AND OTHER BARRIERS AND COMPONENTS DEEMED NECESSARY BY ENGINEERING.
 3. ENGINEERING STUDY EC-013-1006 SHOULD BE REVIEWED PRIOR TO ROUTING ANY SAFE SHUTDOWN CABLES IN FIRE AREAS CS-3, CS-8, THE TURBINE BUILDING, OR THE RADWASTE BUILDING.

LEGEND													
C-2011 ROOM NUMBER													
FIRE ZONE													
DIVISION I: PROTECTED SAFE SHUTDOWN PATH													
DIVISION II: PROTECTED SAFE SHUTDOWN PATH													
FIRE ZONE BOUNDARY													
3 IN. FIRE-RATED WALL													
2 IN. FIRE-RATED WALL													
3 IN. FIRE-RATED FLOOR													
2 IN. FIRE-RATED FLOOR													
SHUT OFF SHUTDOWN PATH													
	<table border="1"> <tr> <td>A-11, SH. 1</td> <td>E106004, SH. 1</td> </tr> <tr> <td>C-1757, SH. 1</td> <td>E206996, SH. 1</td> </tr> <tr> <td>AS DRAWING N</td> <td>PERL DRAWING N</td> </tr> </table>	A-11, SH. 1	E106004, SH. 1	C-1757, SH. 1	E206996, SH. 1	AS DRAWING N	PERL DRAWING N						
A-11, SH. 1	E106004, SH. 1												
C-1757, SH. 1	E206996, SH. 1												
AS DRAWING N	PERL DRAWING N												
	<table border="1"> <tr> <td>INCORP. DON 93-0604 & REVISED DRAWING PER ENR 10/24/01</td> <td>BB</td> <td>7/1</td> <td>7/1</td> </tr> <tr> <td>REVISED</td> <td>ENR</td> <td>ENR</td> <td>ENR</td> </tr> <tr> <td>QUALITY RELATE</td> <td></td> <td></td> <td></td> </tr> </table>	INCORP. DON 93-0604 & REVISED DRAWING PER ENR 10/24/01	BB	7/1	7/1	REVISED	ENR	ENR	ENR	QUALITY RELATE			
INCORP. DON 93-0604 & REVISED DRAWING PER ENR 10/24/01	BB	7/1	7/1										
REVISED	ENR	ENR	ENR										
QUALITY RELATE													
	<p>SUSQUEHANNA S.E.C. UNITS 1 & 2 CONTROL STRUCTURE FIRE ZONE PLAN ELEVATION 656'-0"</p>												
	<table border="1"> <tr> <td>PERL DRAWING N</td> <td>1</td> <td>SHEET</td> <td>1</td> </tr> <tr> <td>AS DRAWING N</td> <td>E20598E</td> <td>SHEET</td> <td>3</td> </tr> <tr> <td></td> <td>C-174c</td> <td></td> <td></td> </tr> </table>	PERL DRAWING N	1	SHEET	1	AS DRAWING N	E20598E	SHEET	3		C-174c		
PERL DRAWING N	1	SHEET	1										
AS DRAWING N	E20598E	SHEET	3										
	C-174c												

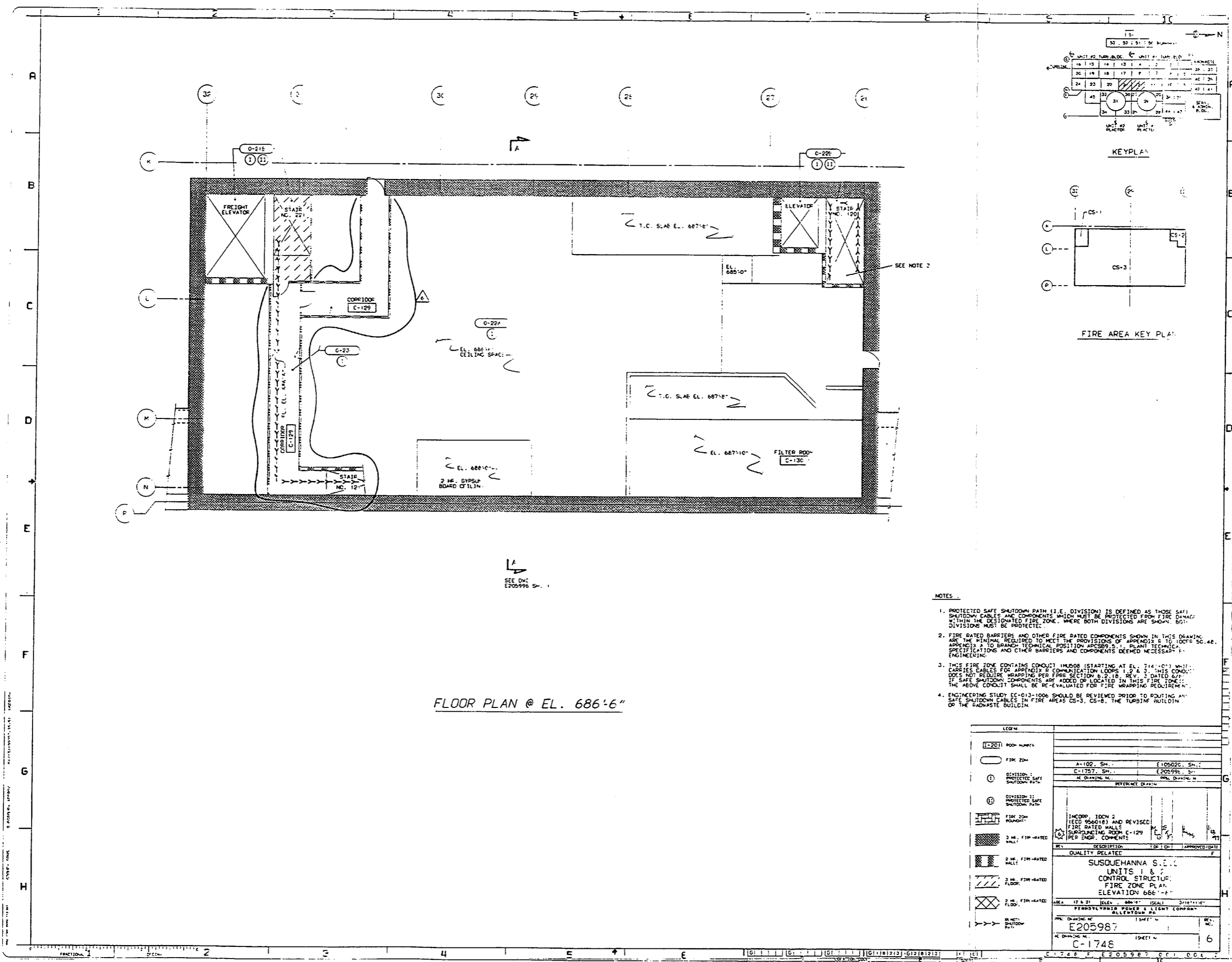


- NOTE:
- SEE EC-013-1007 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1002 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 - PROTECTED SAFE SHUTDOWN PATH (I.E. PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-013-064.
 - THIS FIRE ZONE CONTAINS CONDUIT INUSOF (STARTING AT EL. 7140) WHICH CARRIES CABLES FOR APPENDIX A COMMUNICATION LOOPS 1, 2, & 3. THIS CONDUIT DOES NOT REQUIRE WRAPPING PER FORM SECTION 6.2.18, REV. 3, DATED 6/86. IF SAFE SHUTDOWN COMPONENTS ARE ADDED OR LOCATED IN THIS FIRE ZONE(S), THE ABOVE CONDUIT SHALL BE RE-EVALUATED FOR FIRE WRAPPING REQUIREMENTS.
 - ENGINEERING STUDY EC-013-1006 SHOULD BE REVIEWED PRIOR TO ROUTING ANY SAFE SHUTDOWN CABLES IN FIRE AREAS 23, 24, & 25, THE TUREINE BUILDINGS, OR THE WASTEWATER BUILDING.

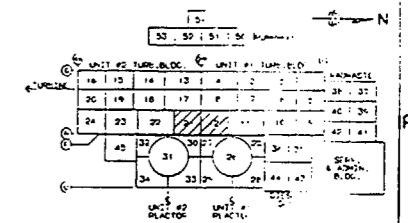
LEGEND	
[1]-222	ROOM NUMBER
[Hatched]	FIRE ZONE
①	SAFE SHUTDOWN PATH-1 DIVISION 1 PROTECTED
②	SAFE SHUTDOWN PATH-2 DIVISION 2 PROTECTED
③	SAFE SHUTDOWN PATH-3 DIVISION 3 PROTECTED
[Dashed]	FIRE ZONE BOUNDARY
[Cross-hatched]	3 IN. MIN. THICK. FIRE RATED WALL
[Diagonal lines]	2 IN. MIN. THICK. FIRE RATED WALL
[Stippled]	2 IN. MIN. THICK. FIRE RATED WALL
[Horizontal lines]	2 IN. MIN. THICK. FIRE RATED FLOOR
[Vertical lines]	2 IN. MIN. THICK. FIRE RATED FLOOR
[Wavy lines]	LIQUID CONTAINMENT BARRIER
[Dotted]	REINFORCED CONCRETE
[Arrow]	REINFORCED CONCRETE

A-115, SH. 1 A-101, SH. 1 C-1757, SH. 1 EC-05986, SH. 1	E105(3), SH. 1 E105(2), SH. 1 E205986, SH. 1 REFERENCE DRAWING
SUSQUEHANNA S.E.S. UNITS 1 & 2 CONTROL STRUCTURE FIRE ZONE PLAN ELEVATION 676'-0"	
AREA: 12 & 21 (ELEV. STAFF) SCALE: 3/16"=1'-0" PPL CORP. PROJECT NUMBER: E205986 SHEET NUMBER: C-1747	

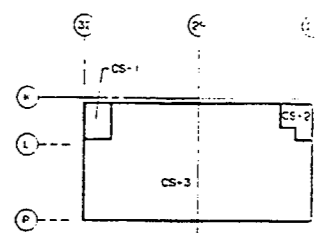
FLOOR PLAN @ EL. 676'-0"



FLOOR PLAN @ EL. 686'-6"



KEYPLAN

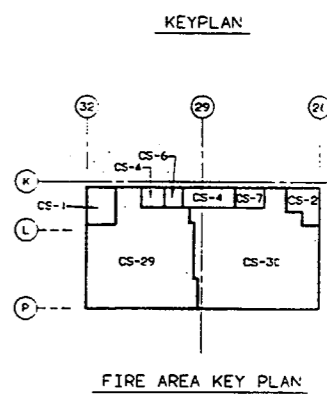
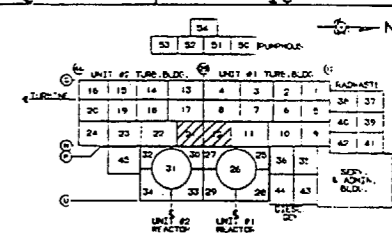
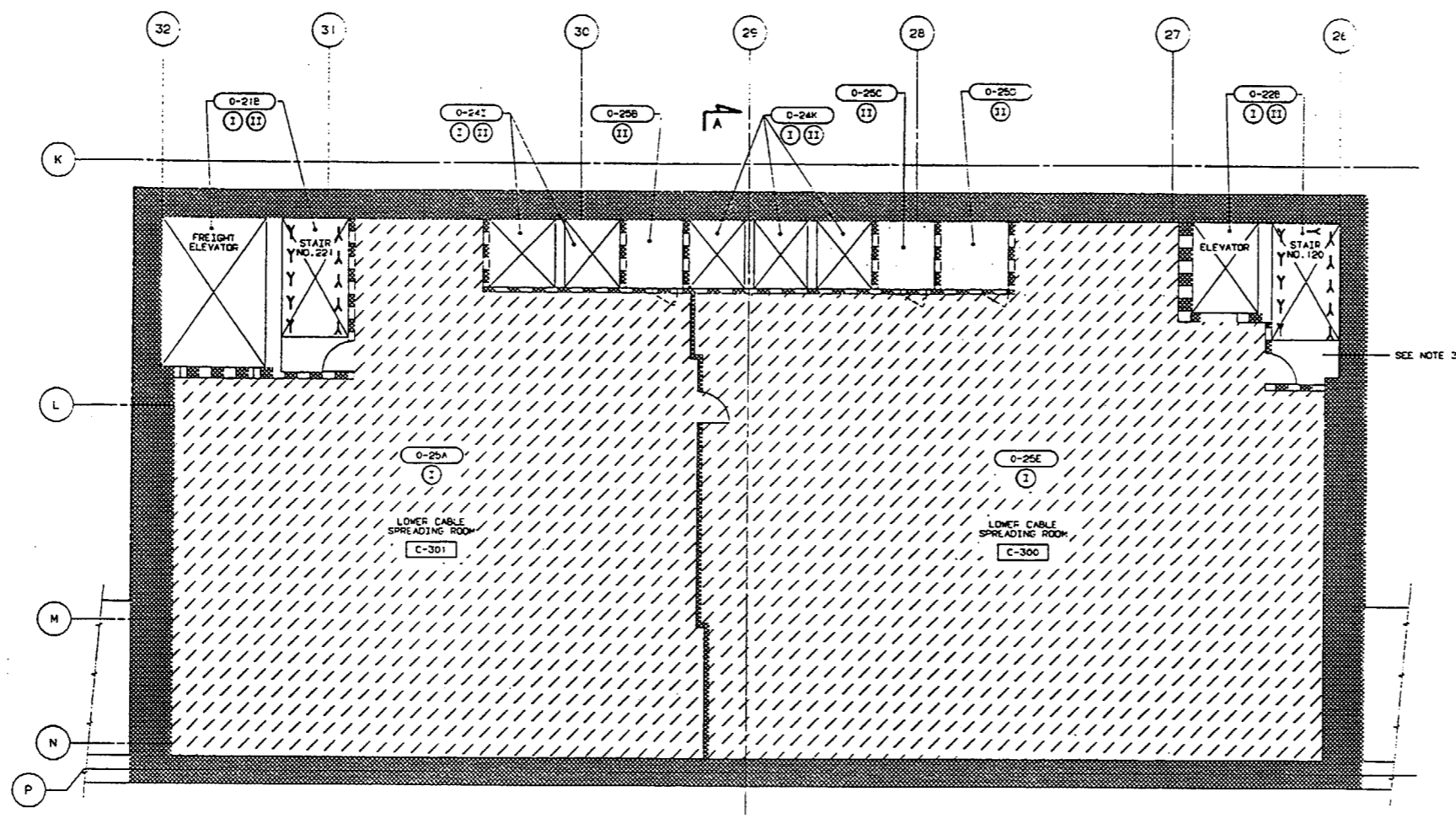


FIRE AREA KEY PLAN

NOTES

1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE BOTH DIVISIONS ARE SHOWN, BOTH DIVISIONS MUST BE PROTECTED.
2. FIRE RATED BARRIERS AND OTHER FIRE RATED COMPONENTS SHOWN IN THIS DRAWING ARE THE MINIMUM REQUIRED TO MEET THE PROVISIONS OF APPENDIX E TO 10CFR 50.42, APPENDIX A TO BRANCH TECHNICAL POSITION APCS89.5.1 PLANT TECHNICAL SPECIFICATIONS AND OTHER BARRIERS AND COMPONENTS DEEMED NECESSARY BY ENGINEERING.
3. THIS FIRE ZONE CONTAINS CONDUIT (STARTING AT EL. 714'-0") WHICH CARRIES CABLES FOR APPENDIX R COMMUNICATION LOOPS 1, 2 & 3. THIS CONDUIT DOES NOT REQUIRE WRAPPING PER 10CFR 50.42, REV. 3 DATED 6/87. IF SAFE SHUTDOWN COMPONENTS ARE ADDED OR LOCATED IN THIS FIRE ZONE, THE ABOVE CONDUIT SHALL BE RE-EVALUATED FOR FIRE WRAPPING REQUIREMENT.
4. ENGINEERING STUDY EC-013-1006 SHOULD BE REVIEWED PRIOR TO ROUTING AND SAFE SHUTDOWN CABLES IN FIRE AREAS CS-3, CS-B, THE TURBINE BUILDING OR THE RADWASTE BUILDING.

<p>LEGEND</p> <p>① ROOM NUMBER</p> <p>○ FIRE ZONE</p> <p>② DIVISION 1 PROTECTED SAFE SHUTDOWN PATH</p> <p>③ DIVISION 2 PROTECTED SAFE SHUTDOWN PATH</p> <p>▨ FIRE ZONE BOUNDARY</p> <p>▨ 3 HR. FIRE-RATED WALL</p> <p>▨ 2 HR. FIRE-RATED WALL</p> <p>▨ 3 HR. FIRE-RATED FLOOR</p> <p>▨ 2 HR. FIRE-RATED FLOOR</p> <p>○ 2 HR. SHUTDOWN PATH</p>	<p>ROOM NO.</p> <p>A-102, SH. E10502E, SH. C-1757, SH. E20599E, SH.</p> <p>DATE DRAWING MADE: 10/1/87</p> <p>DATE DRAWING REVISION: 10/1/87</p> <p>INCORP. IDOV 2 (EED 956018) AND REVISED FIRE RATED WALLS SURROUNDING ROOM C-129 PER ENGR. COMMENTS</p> <p>QUALITY RELATED</p> <p>SUSQUEHANNA S.E.C. UNITS 1 & 2 CONTROL STRUCTURE FIRE ZONE PLAN ELEVATION 686'-6"</p> <p>SCALE: 1/8" = 1'-0" (SEE 10/1/87) APPROVED DATE: 10/1/87</p> <p>DESIGNED BY: [Signature]</p> <p>CHECKED BY: [Signature]</p> <p>DATE: 10/1/87</p> <p>PROJECT NO: E205987</p> <p>DRAWING NO: C-1748</p> <p>REV. NO: 6</p>
--	--



FLOOR PLAN @ EL. 714'-0"

- NOTES:
1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE BOTH DIVISIONS ARE SHOWN, BOTH DIVISIONS MUST BE PROTECTED.
 2. FIRE RATED BARRIERS AND OTHER FIRE RATED COMPONENTS SHOWN IN THIS DRAWING ARE THE MINIMAL REQUIRED TO MEET THE PROVISIONS OF APPENDIX R TO ICDR 50.46, APPENDIX A TO BRANCH TECHNICAL POSITION ACCESS, S.I. PLANT TECHNICAL SPECIFICATIONS AND OTHER BARRIERS AND COMPONENTS DEEMED NECESSARY BY ENGINEERING.
 3. THIS FIRE ZONE CONTAINS CONDUIT (MUSB) (STARTING AT EL. 714'-0") WHICH CARRIES CABLES FOR APPENDIX R COMMUNICATION LOOPS 1, 2 & 3. THIS CONDUIT DOES NOT REQUIRE WRAPPING PER FPRR SECTION 6-2.18, REV. 3 DATED 6/98. IF SAFE SHUTDOWN COMPONENTS ARE ADDED OR LOCATED IN THIS FIRE ZONE(S), THE ABOVE CONDUIT SHALL BE RE-EVALUATED FOR FIRE WRAPPING REQUIREMENTS.

LEGEND	
[Symbol]	ROOM NUMBER
[Symbol]	FIRE ZONE
[Symbol]	DIVISION 1: PROTECTED SAFE SHUTDOWN PATH
[Symbol]	DIVISION 2: PROTECTED SAFE SHUTDOWN PATH
[Symbol]	FIRE ZONE BREAKDOWN
[Symbol]	3 HR. FIRE-RATED WALL
[Symbol]	2 HR. FIRE-RATED WALL
[Symbol]	3 HR. FIRE-RATED FLOOR
[Symbol]	2 HR. FIRE-RATED FLOOR
[Symbol]	SAFETY SHUTDOWN PATH

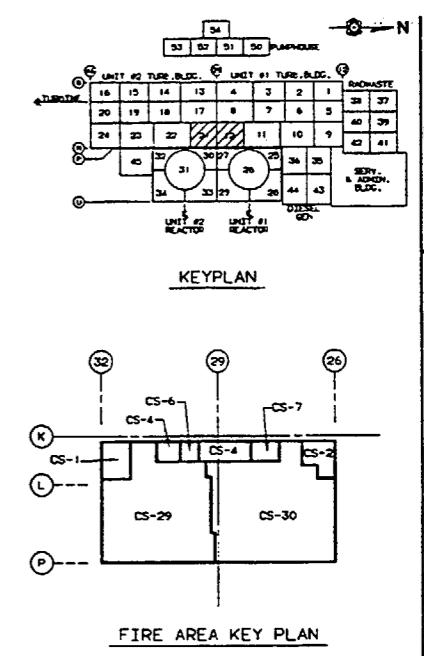
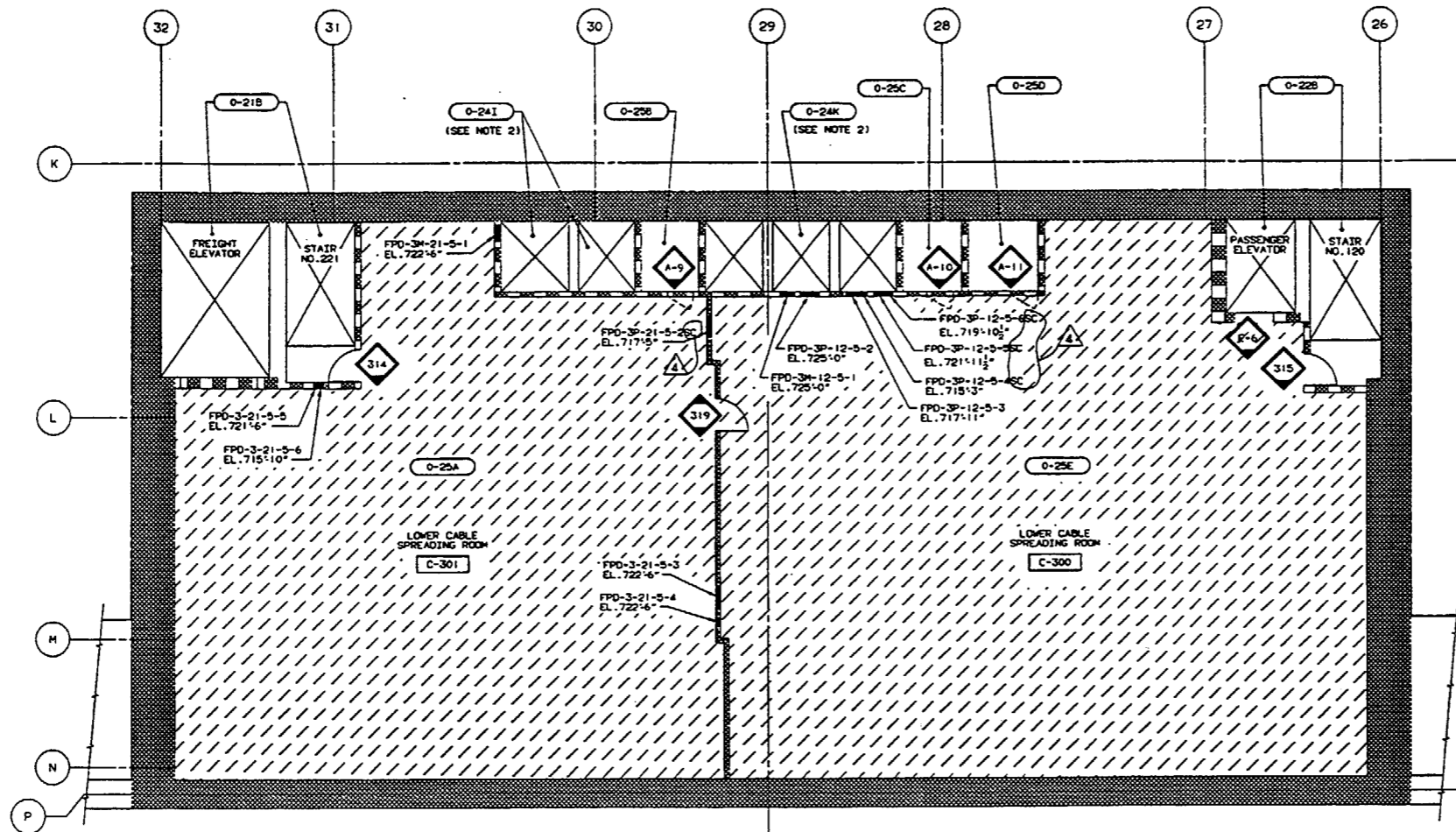
REFERENCE DRAWINGS	
A-104, SH. 1	E105022, SH. 1
C-1757, SH. 1	E205996, SH. 1
AS DRAWING NO.	PPPL DRAWING NO.

QUALITY RELATED			
REV	DESCRIPTION	DR / CH	APPROVED DATE
1	INCORP. DCN 93-0611 & REVISED DRAWING PER ENG M30411	BB / K	1/1/98

SUSQUEHANNA S.E.S. UNITS 1 & 2 CONTROL STRUCTURE FIRE ZONE PLAN ELEVATION 714'-0"			
AREA	12 & 21	ELEV.	714'-0"
SCALE	3/16"=1'-0"		
PENNSYLVANIA POWER & LIGHT COMPANY			
PPPL DRAWING NO.	E205989	SHEET NO.	1
AS DRAWING NO.	C-1750	SHEET NO.	5

DATE PLOTTED: 04/15/2008 11:00 AM

FOR INFORMATION ONLY

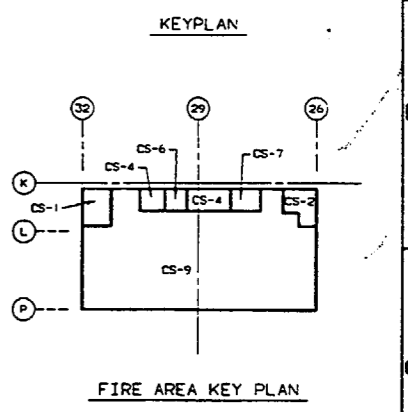
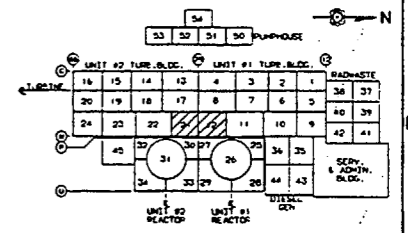
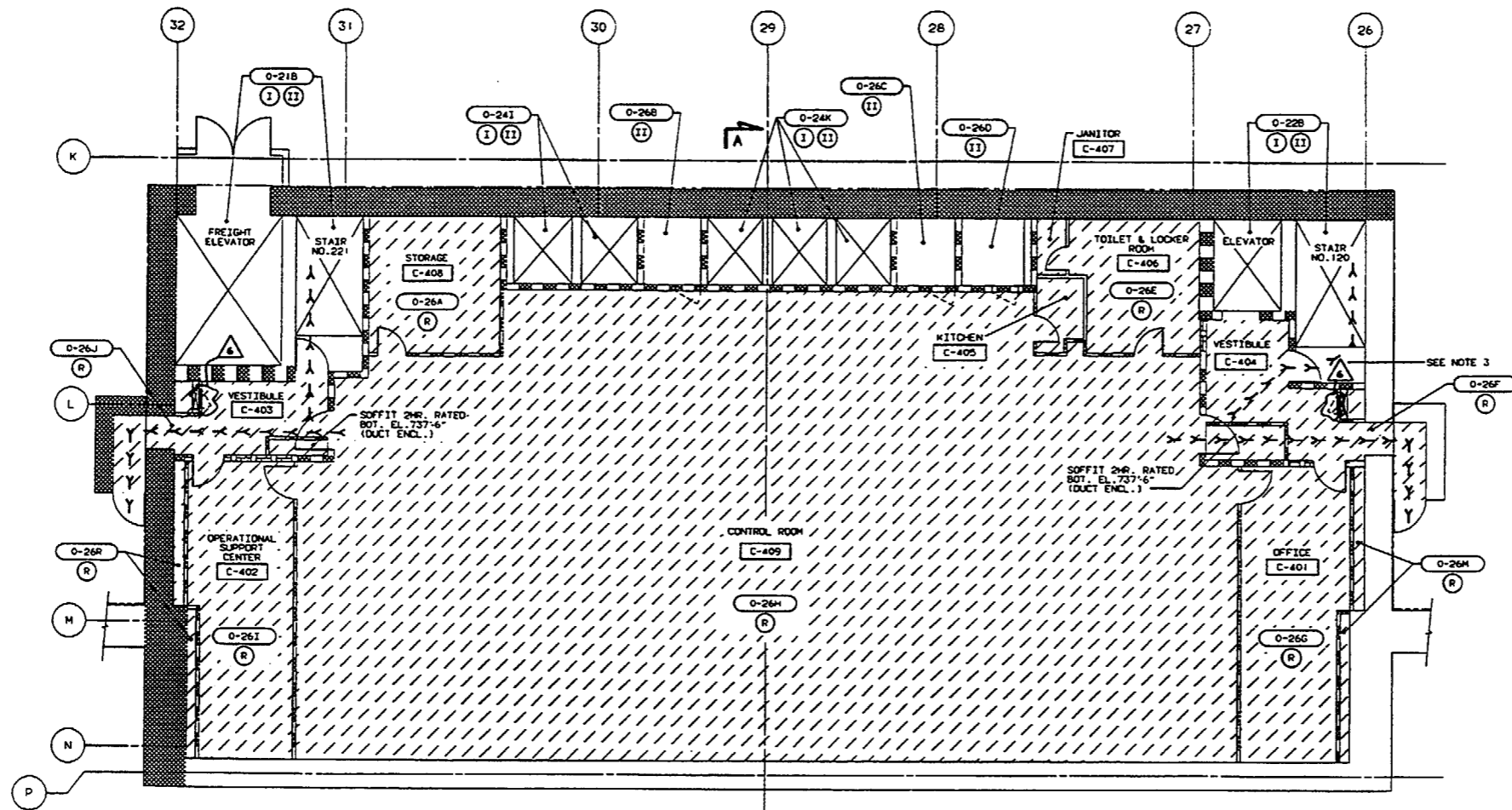


FLOOR PLAN @ EL. 714'-0"

- NOTES:**
1. NO IN-SITU OR TRANSIENT COMBUSTIBLES PERMITTED IN THIS FIRE ZONE.
 2. SEE EC-013-1006 FOR INFORMATION ON TECH. SPEC. FIRE DOORS.
 3. SEE EC-013-1009 FOR INFORMATION ON TECH. SPEC. FIRE DAMPERS.

LEGEND	
(1-20) ROOM NUMBER	1/2 HR. FIRE RATED DOOR
FIRE ZONE	3 HR. FIRE RATED DOOR
FIRE ZONE BOLDPRINT	1/2 HR. TECH. SPEC. FIRE RATED DOOR
3 HR. FIRE-RATED WALLS	3 HR. TECH. SPEC. FIRE RATED DOOR
2 HR. FIRE-RATED WALLS	FIRE DAMPER
3 HR. FIRE-RATED FLOORS	TECH. SPEC. FIRE DAMPER
2 HR. FIRE-RATED FLOORS	DO NOT REMOVE OR REPAIR FIRE DAMPER, FIRE RATED DOOR, FIRE RATED WALL OR FLOOR. IF THIS AREA TRANSFER COMPARTMENT SHALL BE RESTRICTED TO THIS AREA.
DO NOT REMOVE OR REPAIR FIRE DAMPER, FIRE RATED DOOR, FIRE RATED WALL OR FLOOR. IF THIS AREA TRANSFER COMPARTMENT SHALL BE RESTRICTED TO THIS AREA.	FIRE DAMPER
	FIRE RATED AREA NO.
	DRAWING NO.
	SECTION NO.
	FIRE RATING
	1 1/2 1 1/2 HR. RATING
	3 3 HR. RATING
	3 3 HR. PNEUMATIC OPEN TYPE

V-1005, SH.1	E177131, SH.1
A-104, SH.1	E105022, SH.1
AS DRAWING NO.	AS DRAWING NO.
REV	DESCRIPTION
1	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
2	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
3	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
4	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
5	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
6	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
7	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
8	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
9	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
10	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
11	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
12	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
13	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
14	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
15	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
16	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
17	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
18	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
19	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
20	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
21	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
22	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
23	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
24	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
25	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
26	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
27	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
28	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
29	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
30	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
31	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
32	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
33	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
34	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
35	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
36	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
37	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
38	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
39	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
40	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
41	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
42	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
43	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
44	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
45	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
46	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
47	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
48	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
49	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
50	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
51	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
52	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
53	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
54	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
55	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
56	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
57	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
58	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
59	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
60	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
61	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
62	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
63	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
64	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
65	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
66	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
67	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
68	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
69	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
70	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
71	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
72	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
73	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
74	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
75	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
76	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
77	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
78	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
79	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
80	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
81	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
82	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
83	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
84	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
85	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
86	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
87	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
88	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
89	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
90	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
91	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
92	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
93	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
94	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
95	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
96	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
97	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
98	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
99	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)
100	INCORP. JOCH 3, 4 AND 5 (DCP 93-9039)



SEE DWG. E205996, SH. 1

FLOOR PLAN @ EL. 729'-1"

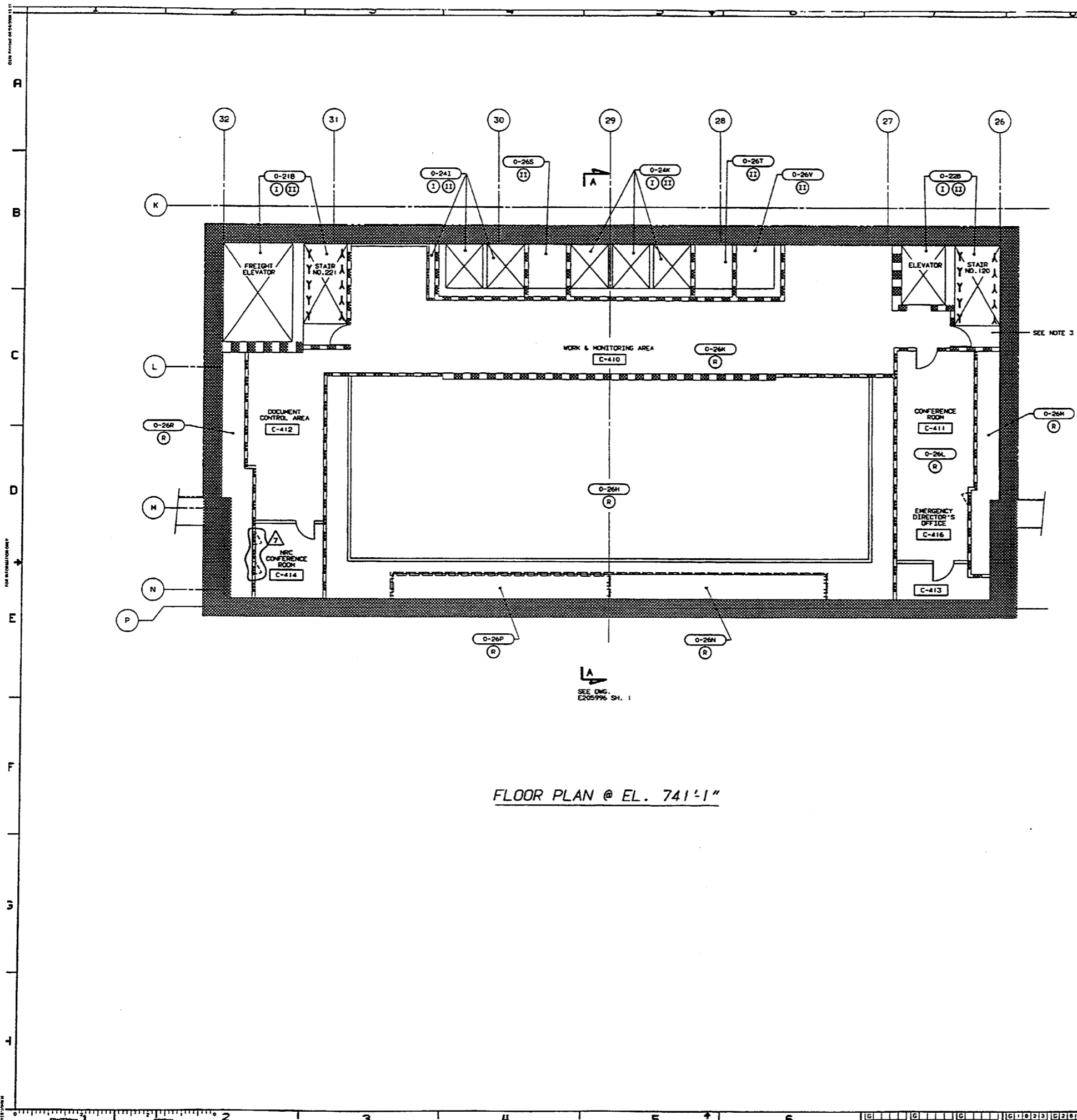
- NOTES
1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE BOTH DIVISIONS ARE SHOWN, BOTH DIVISIONS MUST BE PROTECTED.
 2. FIRE RATED BARRIERS AND OTHER FIRE RATED COMPONENTS SHOWN IN THIS DRAWING ARE THE MINIMUM REQUIRED TO MEET THE PROVISIONS OF APPENDIX R TO 10CFR 50.48, APPENDIX A TO BRANCH TECHNICAL POSITION APPS9.5.1, PLANT TECHNICAL SPECIFICATIONS AND OTHER BARRIERS AND COMPONENTS DEEMED NECESSARY BY ENGINEERING.
 3. THIS FIRE ZONE CONTAINS CONDUIT IN/508 (STARTING AT EL. 714'-0") WHICH CARRIES CABLES FOR APPENDIX R COMMUNICATION LOOPS 1, 2 & 3. THIS CONDUIT DOES NOT REQUIRE WRAPPING PER FRRR SECTION 6.2.18, REV. 3 DATED 6/88. IF SAFE SHUTDOWN COMPONENTS ARE ADDED OR LOCATED IN THIS FIRE ZONE(S), THE ABOVE CONDUIT SHALL BE RE-EVALUATED FOR FIRE WRAPPING REQUIREMENTS.

LEGEND	DESCRIPTION	DATE	BY	CHKD	APPROVED
[C-201]	ROOM NUMBER				
[Hatched]	FIRE ZONE				
[Dashed]	DIVISION I PROTECTED SAFE SHUTDOWN PATH				
[Dotted]	DIVISION II PROTECTED SAFE SHUTDOWN PATH				
[Diagonal Lines]	FIRE ZONE BOUNDARY				
[Cross-hatched]	3 HR. FIRE-RATED WALLS				
[Vertical Lines]	2 HR. FIRE-RATED WALLS				
[Horizontal Lines]	3 HR. FIRE-RATED FLOORS				
[Diagonal Lines]	2 HR. FIRE-RATED FLOORS				
[Arrow]	DEMOTE SHUTDOWN PATH				

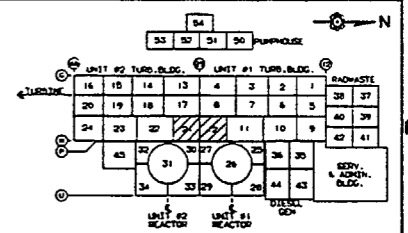
REV	DESCRIPTION	BY	CHKD	APPROVED	DATE
1	REVISED PER EDR 94-020-4 BB & WALKDOWN.	BB	JE	[Signature]	7/88

QUALITY RELATED	DATE	BY	CHKD	APPROVED	DATE
SUSQUEHANNA S.E.S. UNITS 1 & 2 CONTROL STRUCTURE FIRE ZONE PLAN ELEVATION 729'-1"					

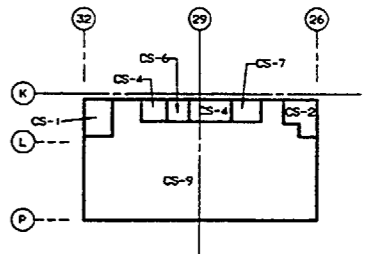
PPR. DRAWING NO.	SHEET NO.	REV. NO.
E205990	1	6
AE DRAWING NO.	SHEET NO.	REV. NO.
C-1751	1	



FLOOR PLAN @ EL. 741'-1"



KEYPLAN

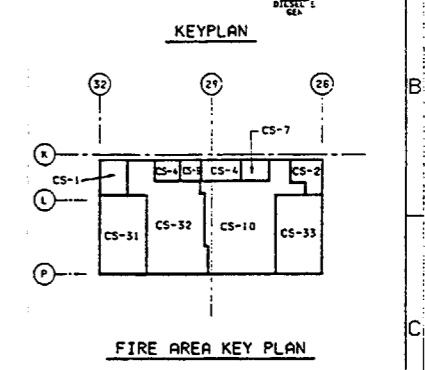
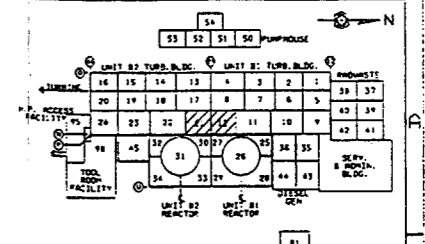
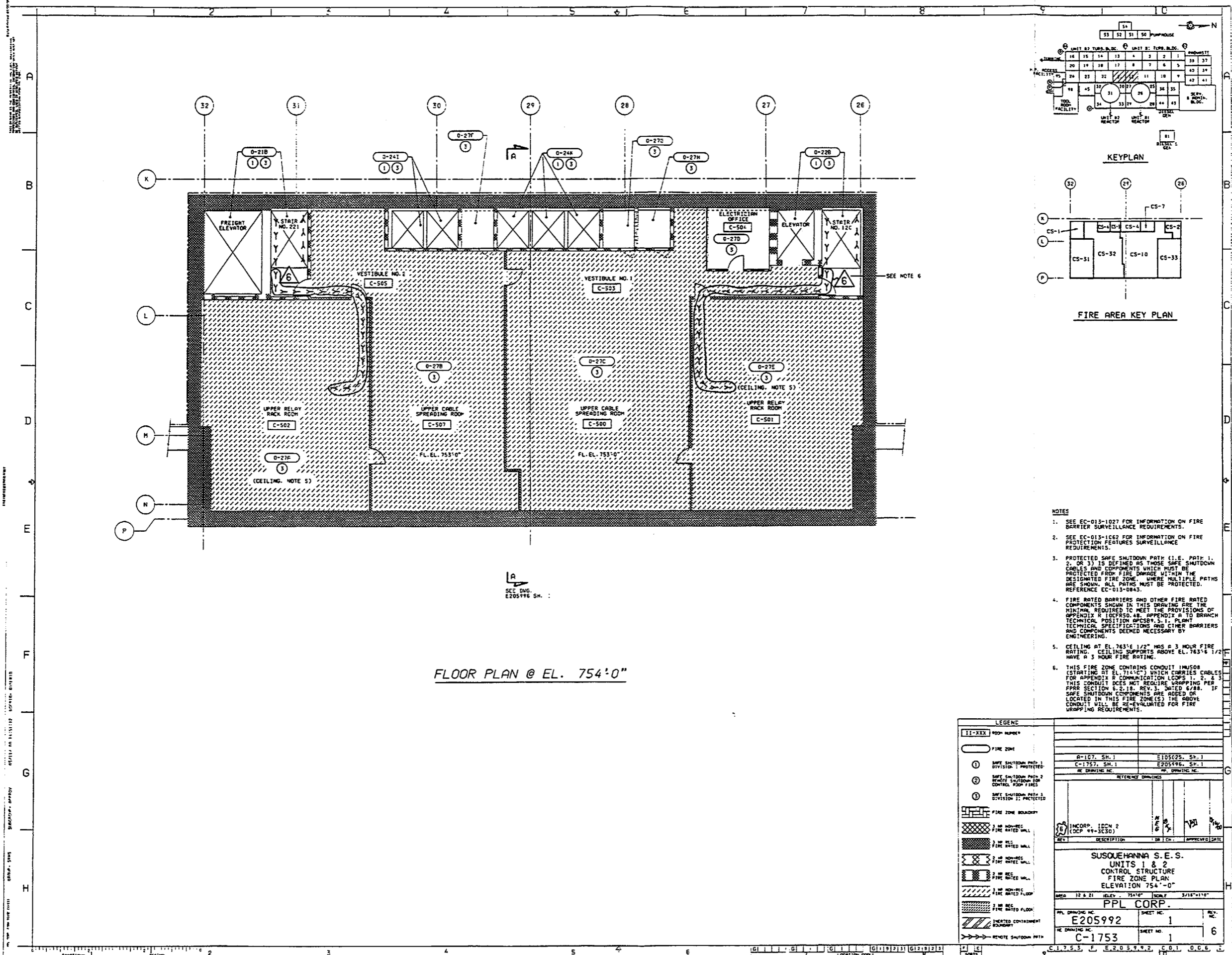


FIRE AREA KEY PLAN

NOTES

1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE BOTH DIVISIONS ARE SHOWN, BOTH DIVISIONS MUST BE PROTECTED.
2. FIRE RATED BARRIERS AND OTHER FIRE RATED COMPONENTS SHOWN IN THIS DRAWING ARE THE MINIMAL REQUIRED TO MEET THE PROVISIONS OF APPENDIX R TO 10CFR 50.48, APPENDIX A TO BRANCH TECHNICAL POSITION APSS9.5.1, PLANT TECHNICAL SPECIFICATIONS AND OTHER BARRIERS AND COMPONENTS DEEMED NECESSARY BY ENGINEERING.
3. THIS FIRE ZONE CONTAINS CONDUIT #4508 (STARTING AT EL. 714'-0") WHICH CARRIES CABLES FOR APPENDIX R COMMUNICATION LOOPS 1, 2 & 3. THIS CONDUIT DOES NOT REQUIRE WRAPPING PER FRRR SECTION 6.2.18, REV. 3 DATED 6/98, IF SAFE SHUTDOWN COMPONENTS ARE ADDED OR LOCATED IN THIS FIRE ZONE. THE ABOVE CONDUIT SHALL BE RE-EVALUATED FOR FIRE WRAPPING REQUIREMENTS.

LEGO:1			
[C-201] ROOM NUMBER			
[] FIRE ZONE			
[] DIVISION I PROTECTED SAFE SHUTDOWN PATH			
[] DIVISION II PROTECTED SAFE SHUTDOWN PATH			
[] FIRE ZONE BOUNDARY			
[] 3 HR. FIRE-RATED WALLS			
[] 3 HR. FIRE-RATED FLOORS			
[] 3 HR. FIRE-RATED FLOORS			
[] REMOTE SHUTDOWN PATH			
REVISIONS		REV	DATE
REVISOR		CHK	APPROVED DATE
QUALITY RELATED			
SUSQUEHANNA S.E.S.			
UNITS 1 & 2			
CONTROL STRUCTURE			
FIRE ZONE PLAN			
ELEVATION 741'-1"			
AREA 12 & 21	ELEV. 741'-1"	SCALE 3/16"=1'-0"	
PENNSYLVANIA POWER & LIGHT COMPANY			
ALLEGANY DIV.			
PPL DRAWING NO.	SHEET NO.	REV.	
E205991	1	7	
AC DRAWING NO.	SHEET NO.		
C-1752	1		



- NOTES**
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1062 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 - PROTECTED SAFE SHUTDOWN PATH (I.E. PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-013-0843.
 - FIRE RATED BARRIERS AND OTHER FIRE RATED COMPONENTS SHOWN IN THIS DRAWING ARE THE MINIMAL REQUIRED TO MEET THE PROVISIONS OF APPENDIX A (10CFR50.48, APPENDIX A TO BRANCH TECHNICAL POSITION APCS84.S.1, PLANT TECHNICAL SPECIFICATIONS AND OTHER BARRIERS AND COMPONENTS DEEMED NECESSARY BY ENGINEERING.
 - CEILING AT EL. 765'6 1/2" HAS A 3 HOUR FIRE RATING. CEILING SUPPORTS ABOVE EL. 765'6 1/2" HAVE A 3 HOUR FIRE RATING.
 - THIS FIRE ZONE CONTAINS CONDUIT IN USE (STARTING AT EL. 714'-0") WHICH CARRIES CABLES FOR APPENDIX A COMMUNICATION LOOPS 1, 2, & 3. THIS CONDUIT DOES NOT REQUIRE WRAPPING PER PAR SECTION 6-2.19, REV. 3, DATED 6/88. IF SAFE SHUTDOWN COMPONENTS ARE ADDED OR LOCATED IN THIS FIRE ZONE(S) THE ABOVE CONDUIT WILL BE RE-EVALUATED FOR FIRE WRAPPING REQUIREMENTS.

FLOOR PLAN @ EL. 754'-0"

LEGEND	
II-XXX	ROOM NUMBER
(Symbol)	FIRE ZONE
(Symbol)	SAFE SHUTDOWN PATH 1 DIVISION 1 PROTECTED
(Symbol)	SAFE SHUTDOWN PATH 2 REMOTE SHUTDOWN FOR CONTROL ROOM FIRES
(Symbol)	SAFE SHUTDOWN PATH 3 DIVISION 2 PROTECTED
(Symbol)	FIRE ZONE BOUNDARY
(Symbol)	FIRE RATED WALL
(Symbol)	FIRE RATED WALL
(Symbol)	FIRE RATED WALL
(Symbol)	2 HR. FIRE RATED WALL
(Symbol)	2 HR. FIRE RATED WALL
(Symbol)	3 HR. FIRE RATED FLOOR
(Symbol)	3 HR. FIRE RATED FLOOR
(Symbol)	HEATED CONTAINMENT BOUNDARY
(Symbol)	REMOTE SHUTDOWN PATH

REV.	DESCRIPTION	DATE	BY	APPROVED
1	INCORP. LDCN 2 (CDP #1-1130)	11/16/88	WJ	WJ

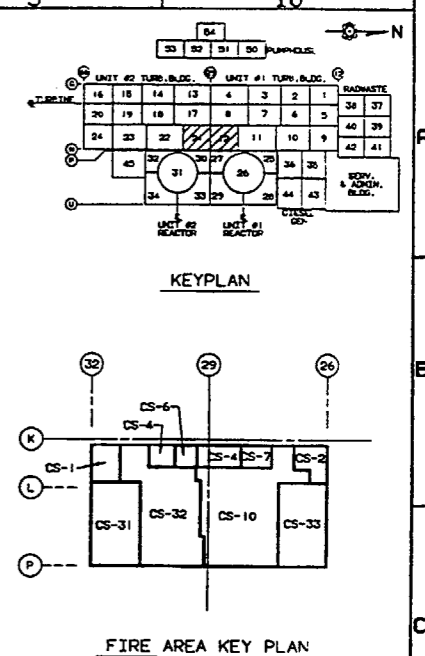
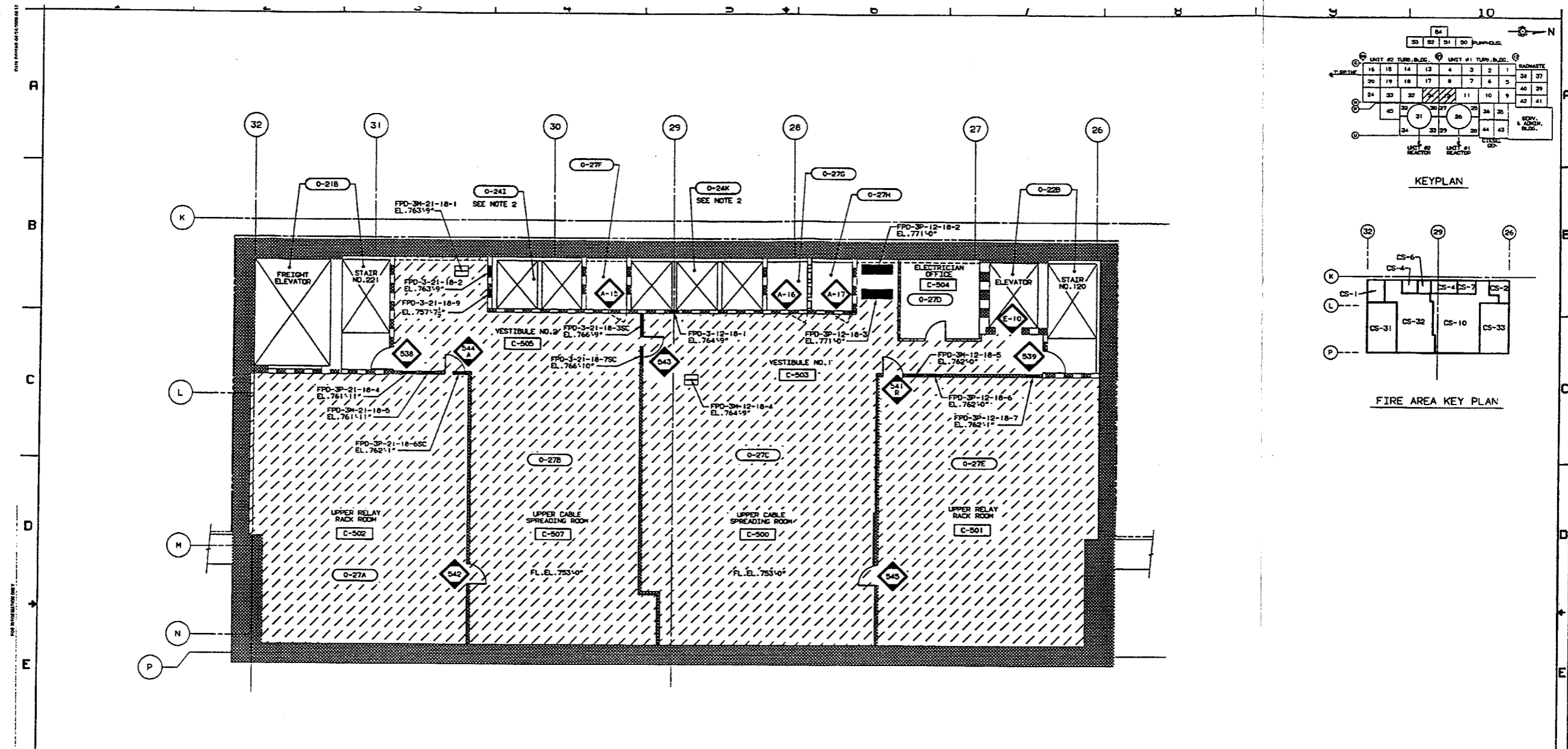
SUSQUEHANNA S.E.S. UNITS 1 & 2 CONTROL STRUCTURE FIRE ZONE PLAN ELEVATION 754'-0"	
AREA 12 & 21	SCALE 3/16"=1'-0"
PPL CORP.	
PPL DRAWING NO. E205992	SHEET NO. 1
REV. NO. C-1753	SHEET NO. 6

INSTRUMENTARY

DESIGN BY: J. J. BROWN

BRIDGE - SHS

REV. NO. 1



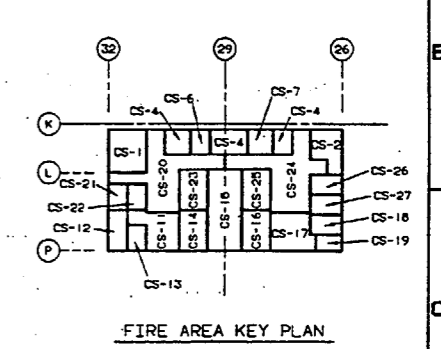
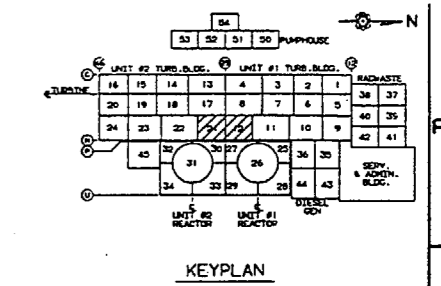
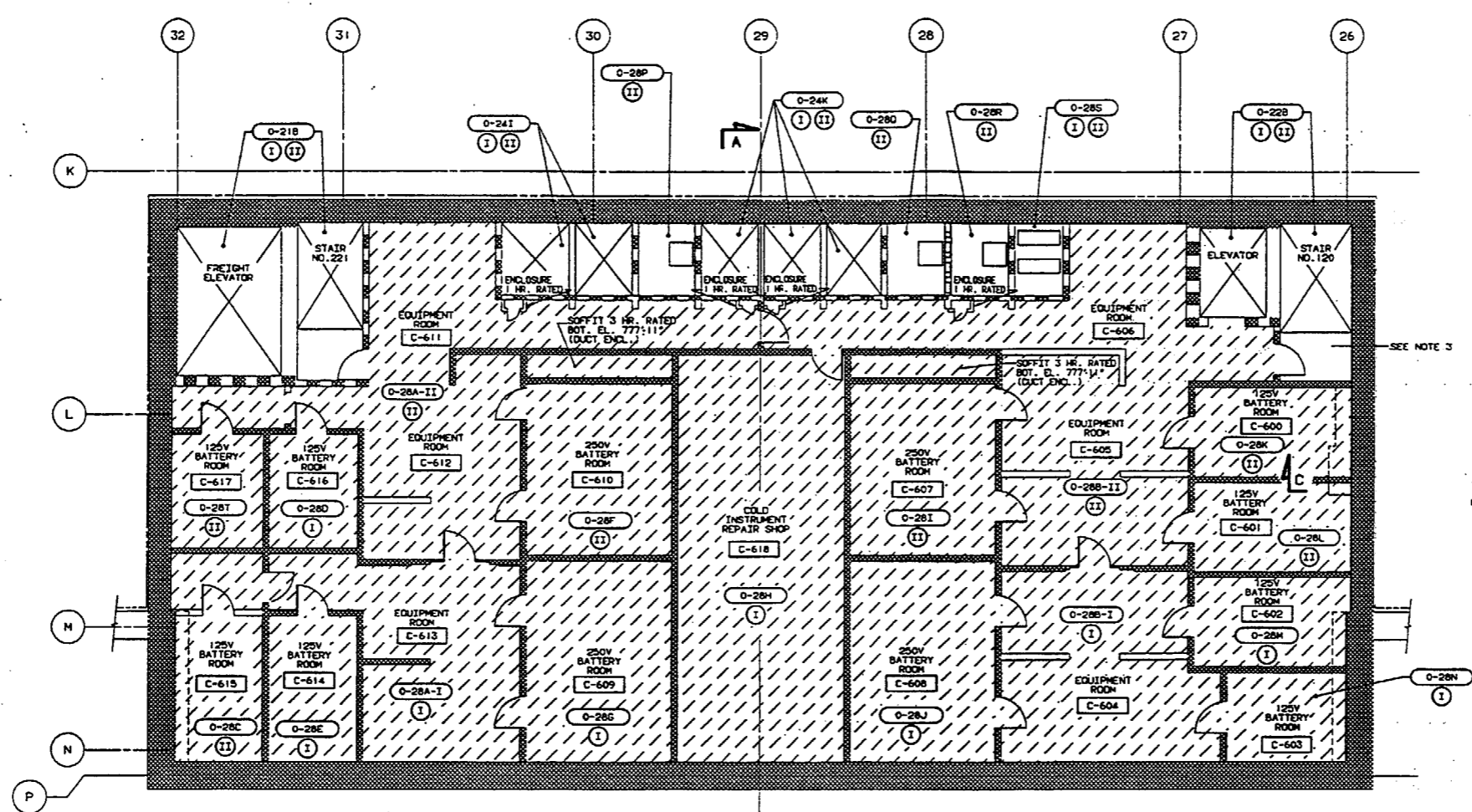
FLOOR PLAN @ EL. 754'-0"

- NOTES:
1. NO-SITU OR TRANSIENT COMBUSTIBLES PERMITTED IN THIS FIRE ZONE.
 2. SEE EC-013-1006 FOR INFORMATION ON TECH. SPEC. FIRE DOORS.
 3. SEE EC-013-1009 FOR INFORMATION ON TECH. SPEC. FIRE DAMPERS.

LEGEND	
[1-201] ROOM NUMBER	1 1/2 HR. FIRE RATED DOOR
[Hatched] FIRE ZONE	3 HR. FIRE RATED DOOR
[Diagonal Hatched] FIRE ZONE	1 1/2 HR. TECH. SPEC. FIRE RATED DOOR
[Cross-hatched] 3 HR. FIRE-RATED WALLS	3 HR. TECH. SPEC. FIRE RATED DOOR
[Diagonal Hatched] 2 HR. FIRE-RATED WALLS	FIRE DAMPER
[Diagonal Hatched] 3 HR. FIRE-RATED FLOORS	TECH. SPEC. FIRE DAMPER
[Cross-hatched] 2 HR. FIRE-RATED FLOORS	FIRE DAMPER (RATING) 1 1/2-2-1
[Grid] DO NOT TEMPORARILY OR PERMANENTLY STORE, PLACE OR INSTALL ANY MATERIALS IN THIS AREA. TRANSIENT COMBUSTIBLES SHALL BE RESTRICTED IN THIS AREA.	FIRE DAMPER (RATING) 1 1/2-2-1
	FIRE RATING: 1 1/2 - 1 1/2 HR. RATING 3 - 3 HR. RATING 3P - 3 HR. PNEUMATIC OPER. TYPE

V-1005, SH.1	E177131, SH.1			
A-107, SH.1	E100225, SH.1			
KE DRAWING NO.	PPM DRAWING NO.			
INFORMATION PREVIOUSLY ON THIS SHEET TRANSFERRED TO SHEET 5 AND ADDED FIRE DOOR AND FIRE DAMPER INFORMATION TO THIS SHEET PER EXP. 1004111				
REV	DESCRIPTION	OR	BY	APPROVED DATE
QUALITY RELATED				
SUSQUEHANNA S.E.S. UNITS 1 & 2 CONTROL STRUCTURE FIRE DOORS AND FIRE DAMPERS ELEVATION 754'-0"				
AREA 12 & 21	OLEV. 754'-0"	SCALE	3/16"=1'-0"	
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN, PA.				
PPM DRAWING NO. E205992	SHEET NO. 2	REV. NO. 4		
KE DRAWING NO. C-1753	SHEET NO. 2			

DATE PLOTTED: 04/10/2008 11:17



SEE NOTE 3

E205994, SH. 1

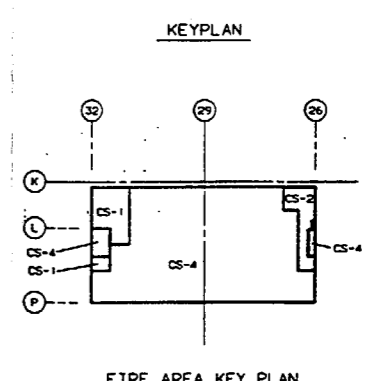
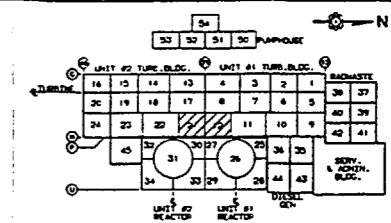
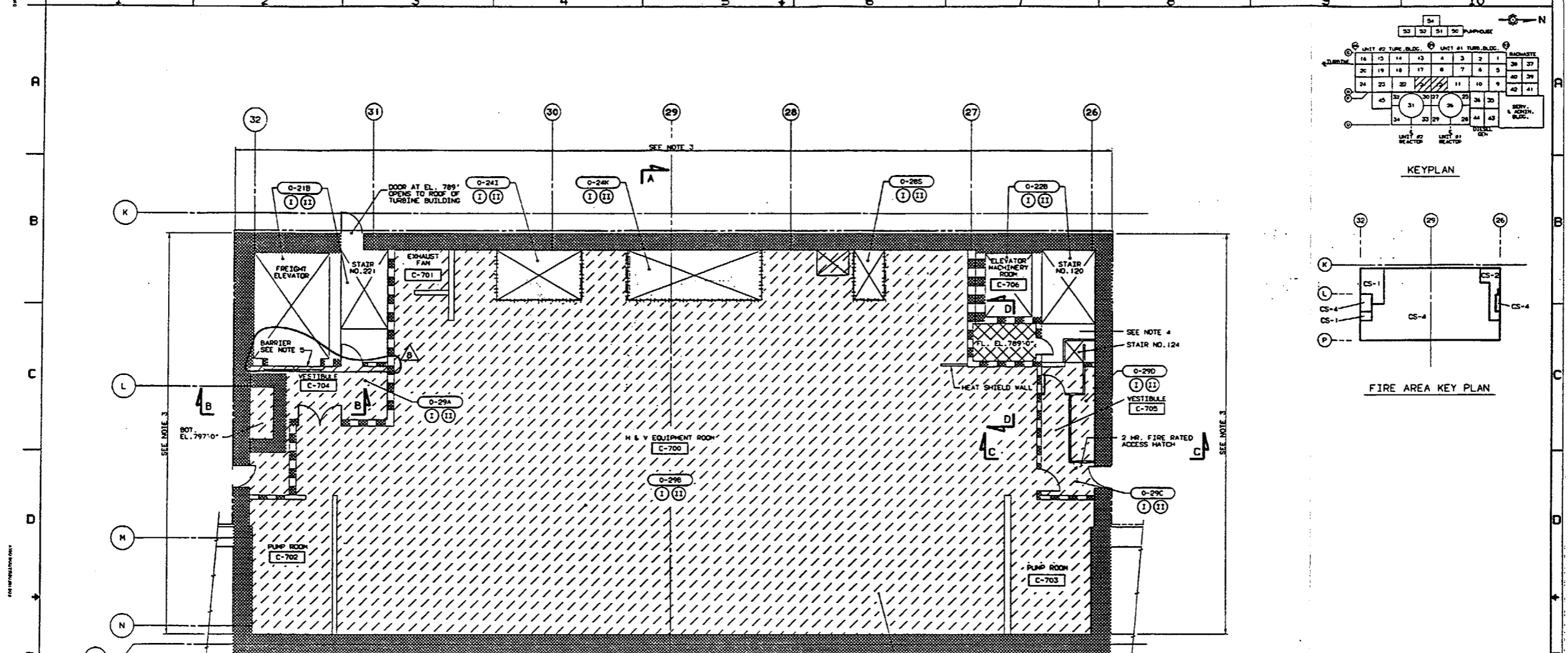
SEE DWG. E205996 SH. 1

FLOOR PLAN @ EL. 771'-0"

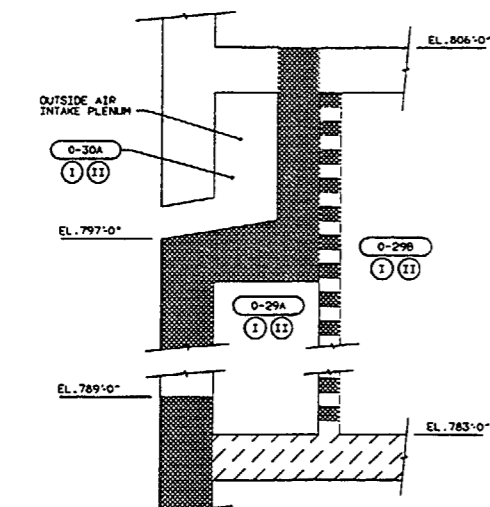
NOTES:

1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE BOTH DIVISIONS ARE SHOWN, BOTH DIVISIONS MUST BE PROTECTED.
2. FIRE RATED BARRIERS AND OTHER FIRE RATED COMPONENTS SHOWN IN THIS DRAWING ARE THE MINIMUM REQUIRED TO MEET THE PROVISIONS OF APPENDIX R TO 10CFR 50.48, APPENDIX A TO BRANCH TECHNICAL POSITION (BTP) 5.1, PLANT TECHNICAL SPECIFICATIONS AND OTHER BARRIERS AND COMPONENTS DEEMED NECESSARY BY ENGINEERING.
3. THIS FIRE ZONE CONTAINS CONDUIT #500 (STARTING AT E. 714'10" WHICH CARRIES CABLES FOR APPENDIX R COMMUNICATION LOOPS 2 & 3. THIS CONDUIT DOES NOT REQUIRE WRAPPING PER FPR SECTION 6.2.18, REV. 3 DATED 6/98. IF SAFE SHUTDOWN COMPONENTS ARE ADDED OR LOCATED IN THIS FIRE ZONE(S), THE ABOVE CONDUIT SHALL BE RE-EVALUATED FOR FIRE WRAPPING REQUIREMENTS.

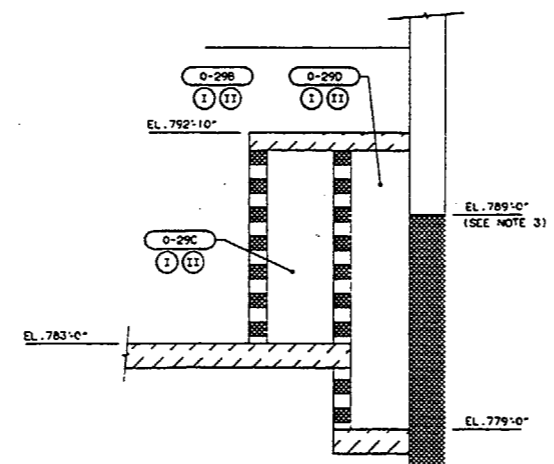
LEGEND:			
[Symbol]	ROOM NUMBER		
[Symbol]	FIRE ZONE	C-1755, SH. 1	E205994, SH. 1
[Symbol]	DIVISION I PROTECTED SAFE SHUTDOWN PATH	A-107, SH. 1	E105025, SH. 1
[Symbol]	DIVISION II PROTECTED SAFE SHUTDOWN PATH	C-1757, SH. 1	E205996, SH. 1
[Symbol]	FIRE ZONE BOUNDARY	AS DRAWING NO.	PPAL DRAWING NO.
[Symbol]	3 HR. FIRE-RATED WALLS	REVISED DRAWING PER FPR #30411	88 1/2 YTD
[Symbol]	2 HR. FIRE-RATED WALLS		
[Symbol]	3 HR. FIRE-RATED FLOORS		
[Symbol]	2 HR. FIRE-RATED FLOORS		
[Symbol]	REMOTE SHUTDOWN PATH		
SUSQUEHANNA S.E.S. UNITS 1 & 2 CONTROL STRUCTURE FIRE ZONE PLAN ELEVATION 771'-0"			
AREA 12 & 21		ELEV. 771'-0" SCALE 3/16"=1'-0"	
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN, PA.			
PPAL. DRAWING NO.	SHEET NO.	REV. NO.	
E205993	1	7	
AS DRAWING NO.	SHEET NO.		
C-1754	1		



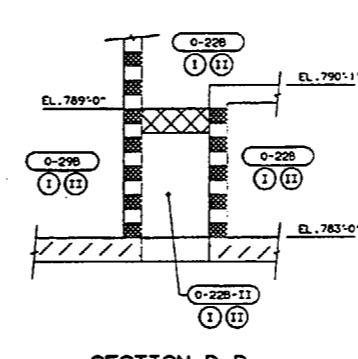
FLOOR PLAN @ EL. 783'-0"



SECTION B-B
SCALE: NONE



SECTION C-C
SCALE: NONE

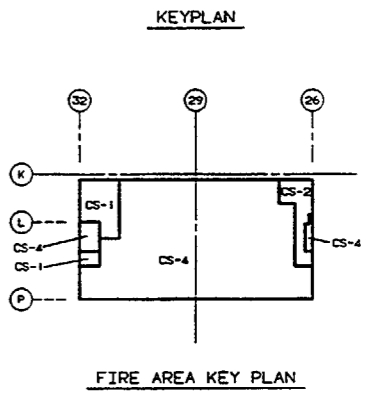
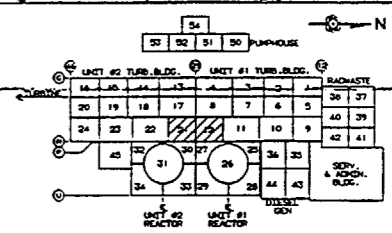
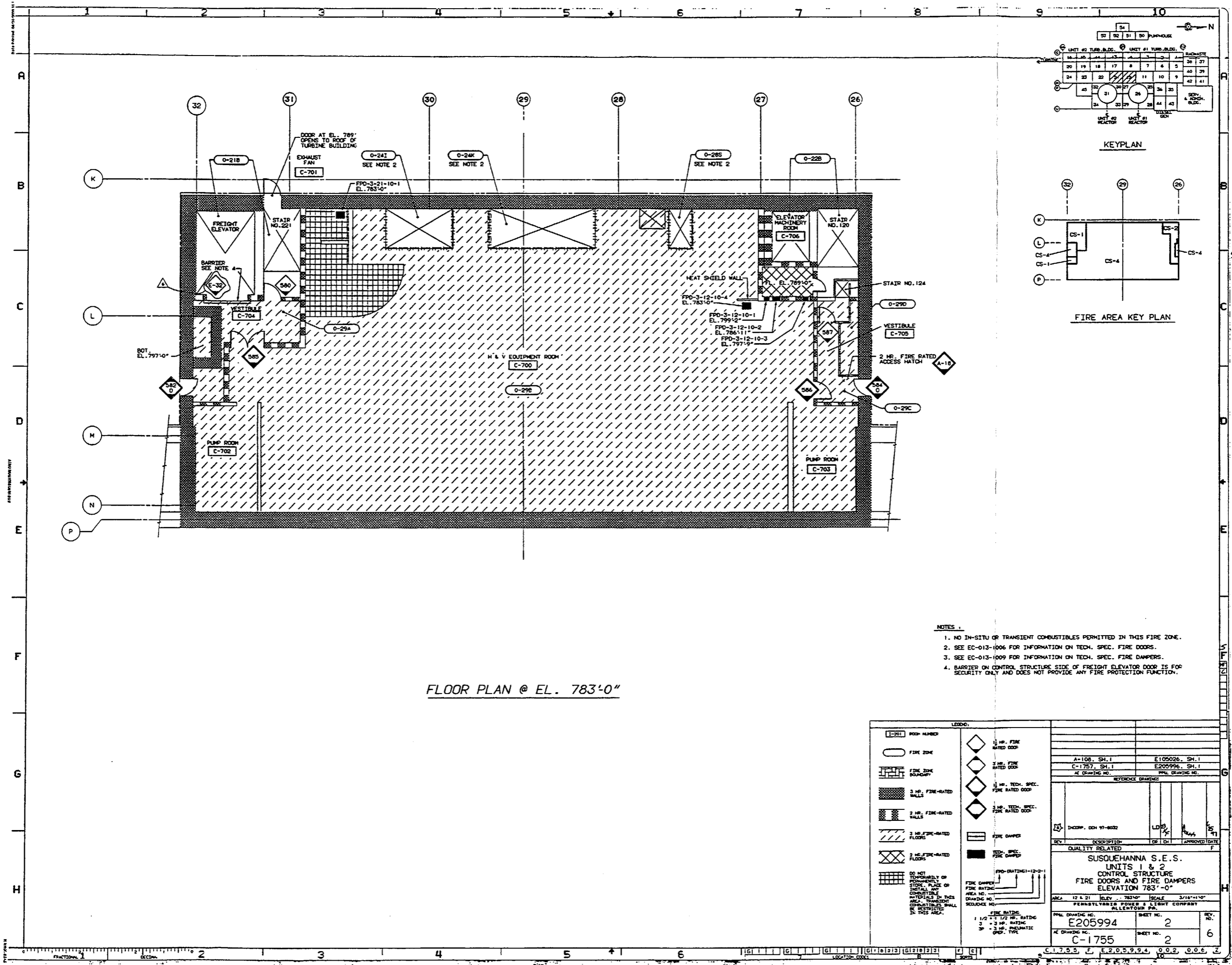


SECTION D-D
SCALE: NONE

- NOTES:
1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE BOTH DIVISIONS ARE SHOWN, BOTH DIVISIONS MUST BE PROTECTED.
 2. FIRE RATED BARRIERS AND OTHER FIRE RATED COMPONENTS SHOWN IN THIS DRAWING ARE THE MINIMUM REQUIRED TO MEET THE PROVISIONS OF APPENDIX B TO IBC/IFC 2018, APPENDIX A TO BRANCH TECHNICAL POSITION APC589.5.1, PLANT TECHNICAL SPECIFICATIONS AND OTHER BARRIERS AND COMPONENTS DEEMED NECESSARY BY ENGINEERING.
 3. FIRE RATING FOR THE NORTH, SOUTH AND WEST WALLS UP TO ELEVATION 789'-0". P LINE WALL FIRE RATING EXTENDS PAST ELEVATION 806'-0" FOR FIRE RATING OF WALL AROUND AIR INTAKE PLENUM. SEE SECTION B-B.
 4. THIS FIRE ZONE CONTAINS CONDUIT (MDS08) STARTING AT EL. 714'-0" WHICH CARRIES CABLES FOR APPENDIX B COMMUNICATION LOOPS 1 & 2. THIS CONDUIT DOES NOT REQUIRE WRAPPING PER PFRP SECTION 6.2.18, REV. 3 DATED 6/98. IF SAFE SHUTDOWN COMPONENTS ARE ADDED OR LOCATED IN THIS FIRE ZONE(S), THE ABOVE CONDUIT SHALL BE RE-EVALUATED FOR FIRE WRAPPING REQUIREMENTS.
 5. BARRIER ON CONTROL STRUCTURE SIDE OF FREIGHT ELEVATOR DOOR IS FOR SECURITY ONLY AND DOES NOT PROVIDE ANY FIRE PROTECTION FUNCTION.

LEGEND:	
[Symbol]	ROOM NUMBER
[Symbol]	FIRE ZONE
[Symbol]	DIVISION I PROTECTED SAFE SHUTDOWN PATH
[Symbol]	DIVISION II PROTECTED SAFE SHUTDOWN PATH
[Symbol]	FIRE ZONE BURNOUT
[Symbol]	3 HR. FIRE-RATED WALLS
[Symbol]	2 HR. FIRE-RATED WALLS
[Symbol]	3 HR. FIRE-RATED FLOORS
[Symbol]	2 HR. FIRE-RATED FLOORS
[Symbol]	NOTED SHUTDOWN PATH

PROJECT NO.	A-108, SH.1	E105026, SH.1
DATE	C-1757, SH.1	E205996, SH.1
REV.	AS DRAWING NO.	PPML DRAWING NO.
REFERENCE DRAWINGS		
REVISED DRAWING TO SHOW FREIGHT ELEVATOR SECURITY BARRIER AND 3 HOUR FIRE WALL BETWEEN VESTIBULE AND STAIR 221 & FREIGHT ELEVATOR PER ENGINEERING COMMENTS.		
REV.	DESCRIPTION	DATE
1	AS SHOWN	7/21/21
QUALITY RELATED		
SUSQUEHANNA S.E.S.		
UNITS 1 & 2		
CONTROL STRUCTURE		
FIRE ZONE PLAN		
ELEVATION 783'-0"		
DATE	12 & 21	ELEV. 783'-0"
SCALE	3/16"=1'-0"	
PPML DRAWING NO.	E205994	SHEET NO. 1
AS DRAWING NO.	C-1755	SHEET NO. 8

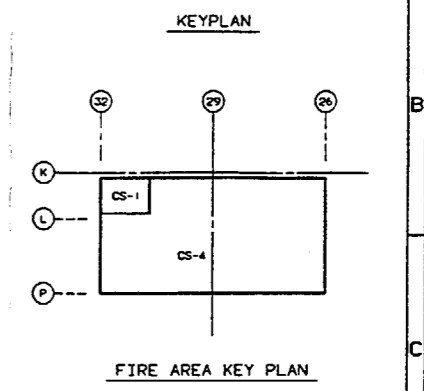
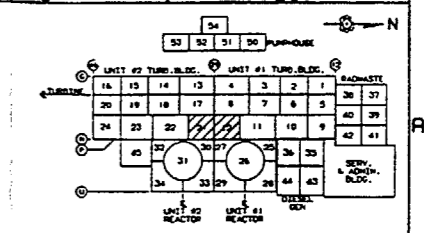
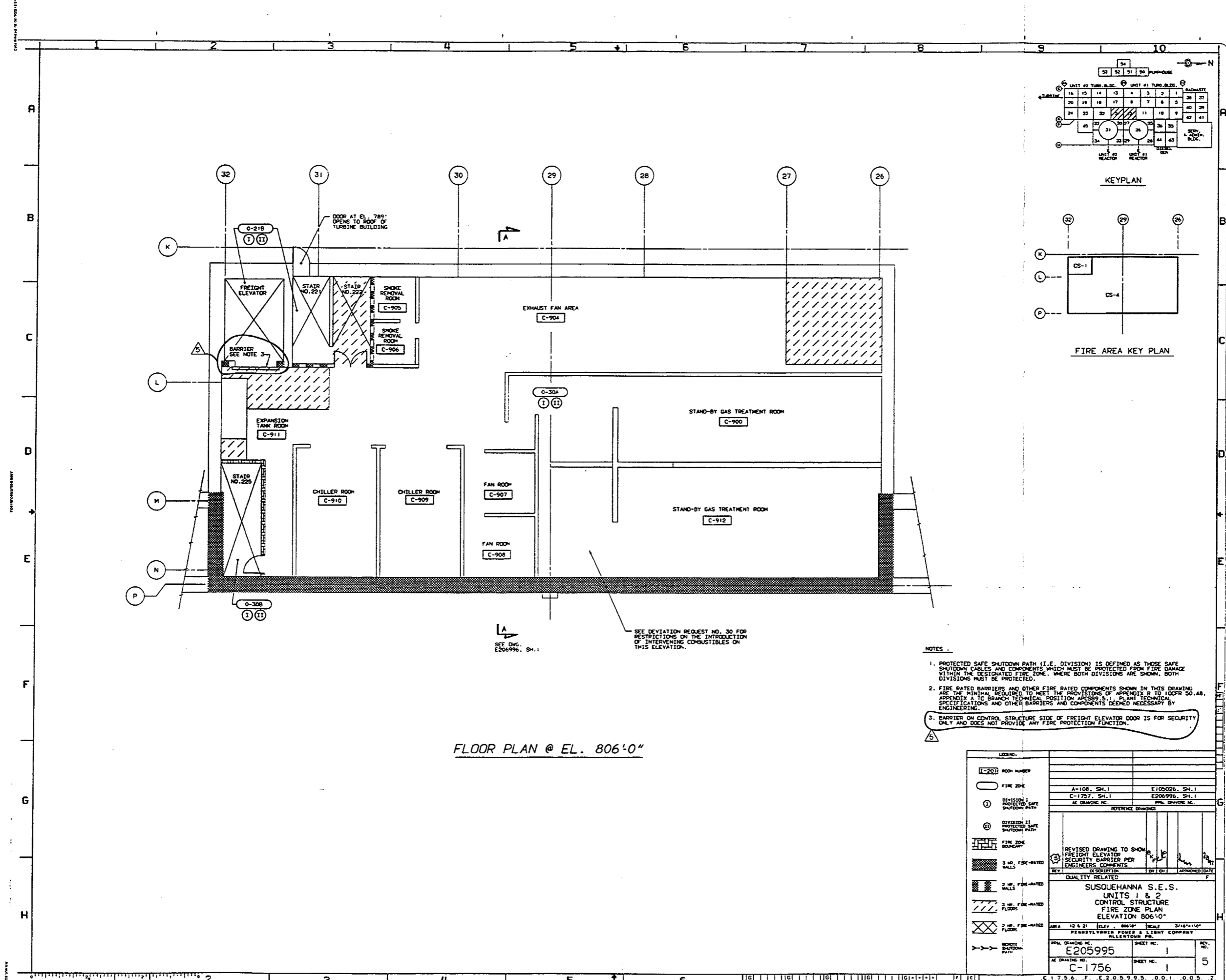


FLOOR PLAN @ EL. 783'-0"

- NOTES:
1. NO IN-SITU OR TRANSIENT COMBUSTIBLES PERMITTED IN THIS FIRE ZONE.
 2. SEE EC-013-1006 FOR INFORMATION ON TECH. SPEC. FIRE DOORS.
 3. SEE EC-013-1009 FOR INFORMATION ON TECH. SPEC. FIRE DAMPERS.
 4. BARRIER ON CONTROL STRUCTURE SIDE OF FREIGHT ELEVATOR DOOR IS FOR SECURITY ONLY AND DOES NOT PROVIDE ANY FIRE PROTECTION FUNCTION.

LEGEND		REVISIONS	
[Symbol]	ROOM NUMBER	REV. 1	DESCRIPTION
[Symbol]	FIRE ZONE	REV. 2	DESCRIPTION
[Symbol]	FIRE ZONE EQUIPMENT	REV. 3	DESCRIPTION
[Symbol]	3 HR. FIRE-RATED WALLS	REV. 4	DESCRIPTION
[Symbol]	2 HR. FIRE-RATED WALLS	REV. 5	DESCRIPTION
[Symbol]	3 HR. FIRE-RATED FLOORS	REV. 6	DESCRIPTION
[Symbol]	2 HR. FIRE-RATED FLOORS	REV. 7	DESCRIPTION
[Symbol]	DO NOT TOPOGRAPHICALLY STOP PLACE OF INSTALLATION COMBUSTIBLE MATERIALS IN THIS AREA. TRANSIENT COMBUSTIBLES SHALL BE RESTRICTED IN THIS AREA.	REV. 8	DESCRIPTION
[Symbol]	1 1/2 HR. FIRE RATED DOOR	REV. 9	DESCRIPTION
[Symbol]	3 HR. FIRE RATED DOOR	REV. 10	DESCRIPTION
[Symbol]	1 1/2 HR. TECH. SPEC. FIRE RATED DOOR	REV. 11	DESCRIPTION
[Symbol]	3 HR. TECH. SPEC. FIRE RATED DOOR	REV. 12	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 13	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 14	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 15	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 16	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 17	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 18	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 19	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 20	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 21	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 22	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 23	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 24	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 25	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 26	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 27	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 28	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 29	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 30	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 31	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 32	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 33	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 34	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 35	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 36	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 37	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 38	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 39	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 40	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 41	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 42	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 43	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 44	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 45	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 46	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 47	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 48	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 49	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 50	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 51	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 52	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 53	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 54	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 55	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 56	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 57	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 58	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 59	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 60	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 61	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 62	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 63	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 64	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 65	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 66	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 67	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 68	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 69	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 70	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 71	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 72	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 73	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 74	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 75	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 76	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 77	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 78	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 79	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 80	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 81	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 82	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 83	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 84	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 85	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 86	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 87	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 88	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 89	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 90	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 91	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 92	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 93	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 94	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 95	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 96	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 97	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 98	DESCRIPTION
[Symbol]	FIRE DAMPER	REV. 99	DESCRIPTION
[Symbol]	TECH. SPEC. FIRE DAMPER	REV. 100	DESCRIPTION

AREA	12 & 21	REV.	783'-0"	SCALE	3/16"=1'-0"
PPL DRAWING NO.	E205994	SHEET NO.	2	REV. NO.	6
AE DRAWING NO.	C-1755	SHEET NO.	2	REV. NO.	6
SUSQUEHANNA S.E.S. UNITS 1 & 2 CONTROL STRUCTURE FIRE DOORS AND FIRE DAMPERS ELEVATION 783'-0"					
PENNSYLVANIA POWER & LIGHT COMPANY WILKENTON PA.					



FLOOR PLAN @ EL. 806'-0"

- NOTES:
1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE. WHERE BOTH DIVISIONS ARE SHOWN, BOTH DIVISIONS MUST BE PROTECTED.
 2. FIRE RATED BARRIERS AND OTHER FIRE RATED COMPONENTS SHOWN IN THIS DRAWING ARE THE MINIMAL REQUIRED TO MEET THE PROVISIONS OF APPENDIX B TO 10CFR 50.48, APPENDIX A TO BRANCH TECHNICAL POSITION AP289.5.1, PLANT TECHNICAL SPECIFICATIONS AND OTHER BARRIERS AND COMPONENTS DEEMED NECESSARY BY ENGINEERING.
 3. BARRIER ON CONTROL STRUCTURE SIDE OF FREIGHT ELEVATOR DOOR IS FOR SECURITY ONLY AND DOES NOT PROVIDE ANY FIRE PROTECTION FUNCTION.

SEE DEVIATION REQUEST NO. 30 FOR RESTRICTIONS ON THE INTRODUCTION OF INTERVENING COMBUSTIBLES ON THIS ELEVATION.

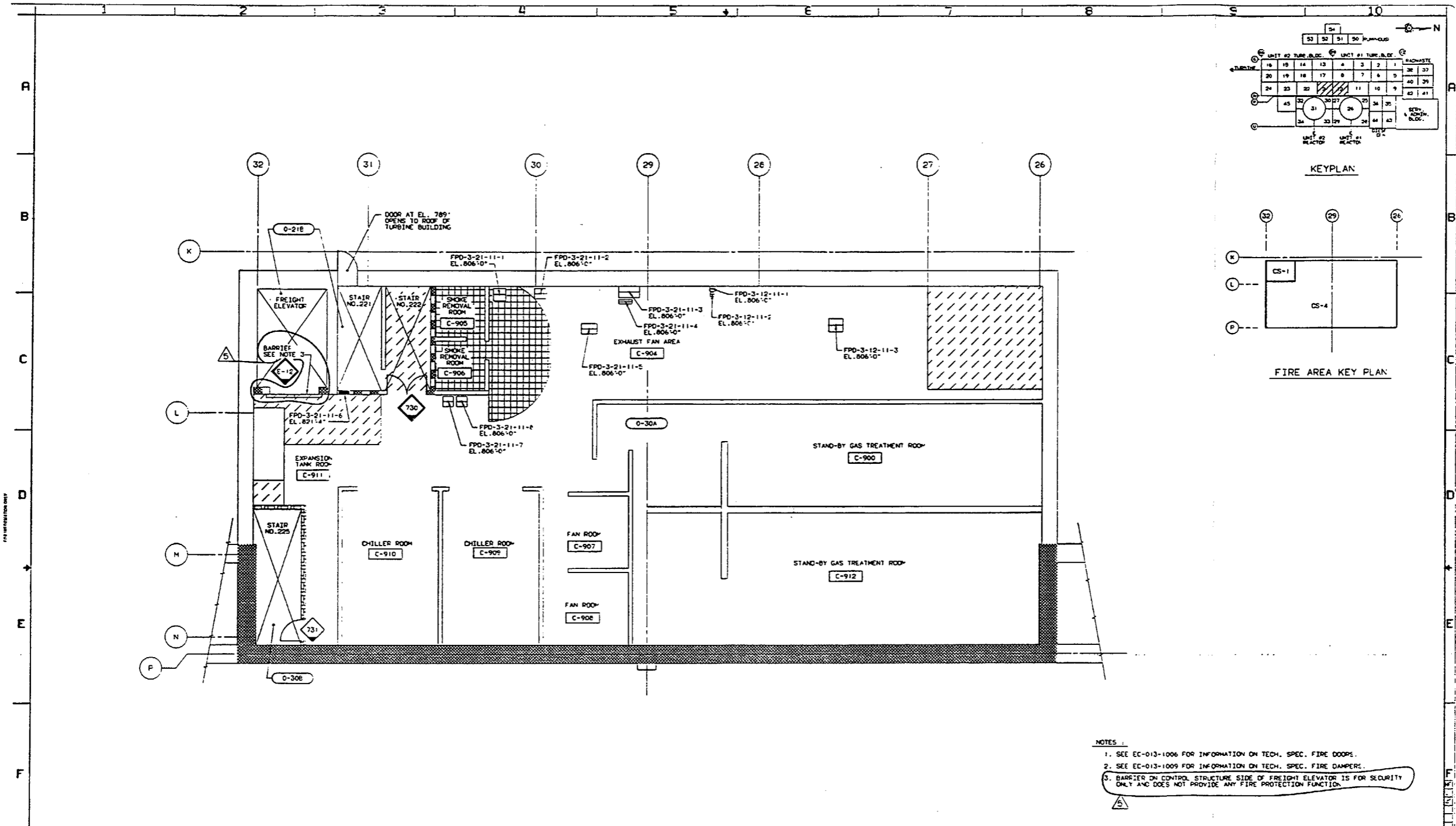
SEE DWG. E206996, SH. 1

LEGEND:	
[Symbol]	ROOM NUMBER
[Symbol]	FIRE ZONE
[Symbol]	DIVISION I PROTECTED SAFE SHUTDOWN PATH
[Symbol]	DIVISION II PROTECTED SAFE SHUTDOWN PATH
[Symbol]	FIRE ZONE BOUNDARY
[Symbol]	3 IN. FIRE-RATED WALLS
[Symbol]	2 IN. FIRE-RATED WALLS
[Symbol]	3 IN. FIRE-RATED FLOORS
[Symbol]	2 IN. FIRE-RATED FLOORS
[Symbol]	NOTIFY SHUTDOWN PATH

APPROVED	DATE	APPROVED	DATE
[Signature]		[Signature]	

REVISED DRAWING TO SHOW FREIGHT ELEVATOR SECURITY BARRIER PER ENGINEERING COMMENTS		
REV.	DESCRIPTION	
QUALITY RELATED		
SUSQUEHANNA S.E.S.		
UNITS 1 & 2		
CONTROL STRUCTURE		
FIRE ZONE PLAN		
ELEVATION 806'-0"		
AREA 12 & 21	ELEV. 806'-0"	SCALE 3/16"=1'-0"
PENNSYLVANIA POWER & LIGHT COMPANY		
MILLICENT, PA.		
PPAL DRAWING NO.	SHEET NO.	REV. NO.
E205995	1	5
AC DRAWING NO.	SHEET NO.	
C-1756	1	

FLOOR PLAN @ EL. 806'-0"

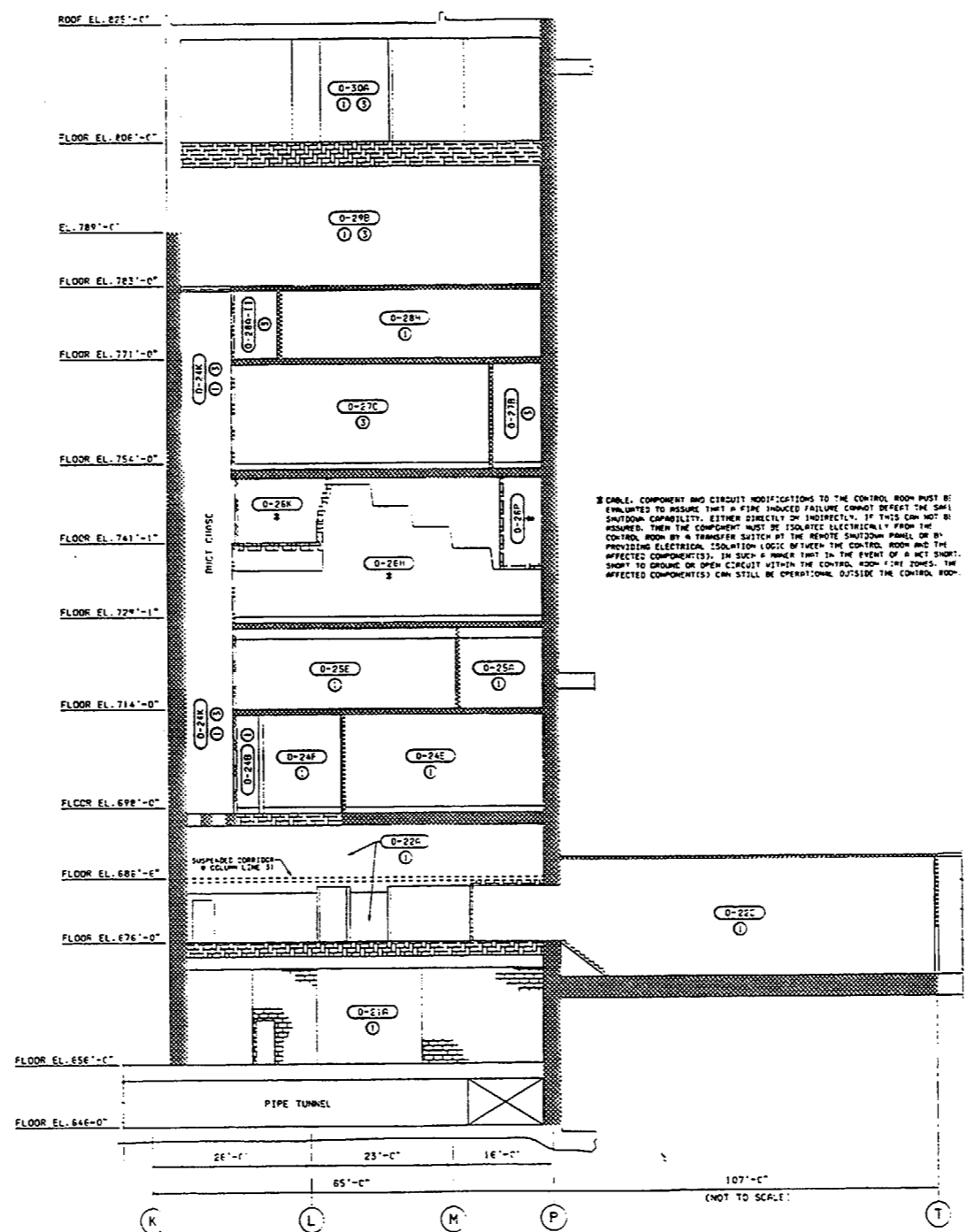


FLOOR PLAN @ EL. 806'-0"

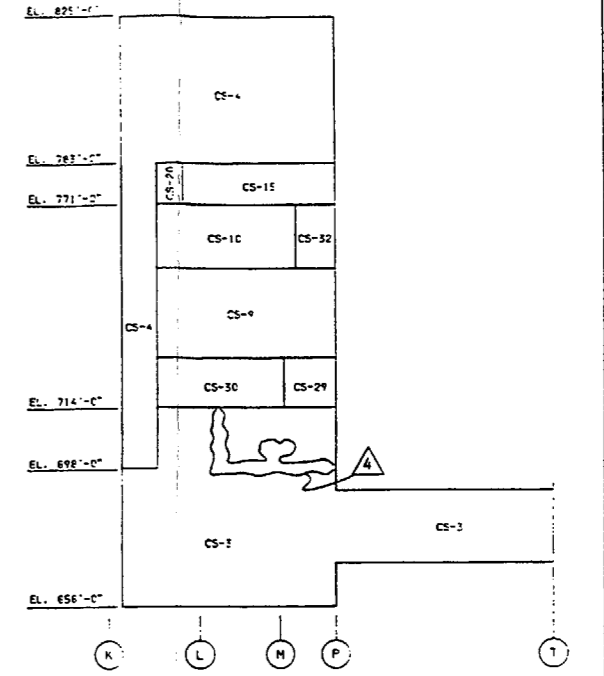
- NOTES:
- SEE EC-013-1006 FOR INFORMATION ON TECH. SPEC. FIRE DOORS.
 - SEE EC-013-1009 FOR INFORMATION ON TECH. SPEC. FIRE DAMPERS.
 - BARRIER ON CONTROL STRUCTURE SIDE OF FREIGHT ELEVATOR IS FOR SECURITY ONLY AND DOES NOT PROVIDE ANY FIRE PROTECTION FUNCTION.

LEGEND	
[1-201] ROOM NUMBER	1/2" HG. FIRE RATED DOOR
[---] FIRE ZONE	2" HG. FIRE RATED DOOR
[---] FIRE ZONE BOUNDARY	1/2" HG. TECH. SPEC. FIRE RATED DOOR
[---] 3" HG. FIRE-RATED WALL	3" HG. TECH. SPEC. FIRE RATED DOOR
[---] 2" HG. FIRE-RATED WALL	2" HG. TECH. SPEC. FIRE RATED DOOR
[---] 1/2" HG. FIRE-RATED FLOOR	FIRE DAMPER
[---] 2" HG. FIRE-RATED FLOOR	TECH. SPEC. FIRE DAMPER
DO NOT TEMPORARILY DISCONNECT FIRE BATTEN	FIRE DAMPER (FRONT VIEW)
DO NOT TEMPORARILY DISCONNECT FIRE BATTEN	FIRE BATTEN (FRONT VIEW)
DO NOT TEMPORARILY DISCONNECT FIRE BATTEN	FIRE BATTEN (SIDE VIEW)
DO NOT TEMPORARILY DISCONNECT FIRE BATTEN	FIRE BATTEN (TOP VIEW)
DO NOT TEMPORARILY DISCONNECT FIRE BATTEN	FIRE BATTEN (BOTTOM VIEW)
DO NOT TEMPORARILY DISCONNECT FIRE BATTEN	FIRE BATTEN (FRONT VIEW)
DO NOT TEMPORARILY DISCONNECT FIRE BATTEN	FIRE BATTEN (SIDE VIEW)
DO NOT TEMPORARILY DISCONNECT FIRE BATTEN	FIRE BATTEN (TOP VIEW)
DO NOT TEMPORARILY DISCONNECT FIRE BATTEN	FIRE BATTEN (BOTTOM VIEW)

V-1000, SH. 1	E177131, SH. 1
A-108, SH. 1	E105026, SH. 1
AT DRAWING NO.	PPAL DRAWING NO.
REVISED DRAWING TO SHOW SECURITY BARRIER PER ENGINEERS COMMENTS	REV. 1
QUALITY RELATE	QUALITY RELATE
SUSQUEHANNA S.E.C.	
UNITS 1 & 2	
CONTROL STRUCTURE	
FIRE DOORS AND FIRE DAMPERS	
ELEVATION 806'-0"	
PPAL DRAWING NO. E205995	SHEET NO. 5
AT DRAWING NO. C-1756	SHEET NO. 2



TABLE, COMPONENT AND CIRCUIT MODIFICATIONS TO THE CONTROL ROOM MUST BE EVALUATED TO INSURE THAT A FIRE INDUCED FAILURE CANNOT DEFEAT THE SAFE SHUTDOWN CAPABILITY, EITHER DIRECTLY OR INDIRECTLY. IF THIS CAN NOT BE ASSURED, THEN THE COMPONENT MUST BE ISOLATED ELECTRICALLY FROM THE CONTROL ROOM BY A TRANSFER SWITCH AT THE REMOTE SHUTDOWN PANEL OR BY PROVIDING ELECTRICAL ISOLATION LOGIC BETWEEN THE CONTROL ROOM AND THE AFFECTED COMPONENT(S). IN SUCH A CASE, IT IS THE RESPONSIBILITY OF THE DESIGNER TO DRAWE OR OPEN CIRCUIT WITHIN THE CONTROL ROOM FIRE ZONE, THE AFFECTED COMPONENT(S) CAN STILL BE OPERATIONAL, OUTSIDE THE CONTROL ROOM.



FIRE AREA KEY PLAN

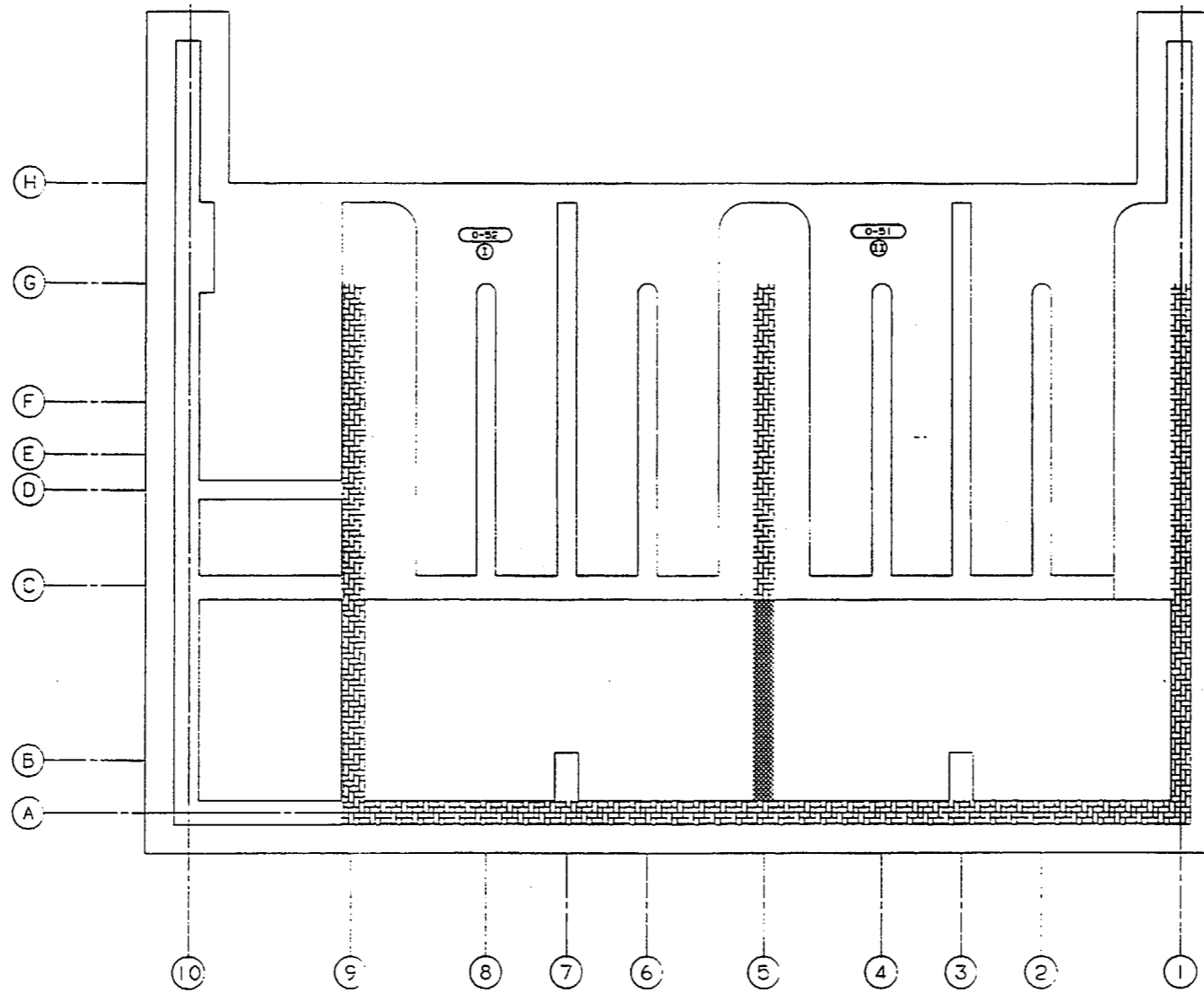
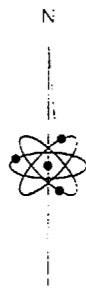
- NOTES:
1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DURING WITHIN THE DESIGNATED FIRE ZONE, WHERE BOTH DIVISIONS ARE SHOWN, BOTH DIVISIONS MUST BE PROTECTED.
 2. FIRE RATED BARRIERS AND OTHER FIRE RATED COMPONENTS SHOWN IN THIS DRAWING ARE THE MINIMUM REQUIRED TO MEET THE PROVISIONS OF APPENDIX B TO 10CFR 50.46, APPROXIMATE TO BRUNNEN TECHNICAL POSITION APPROX. S.I. PLANT TECHNICAL SPECIFICATIONS AND OTHER BARRIERS AND COMPONENTS DEEMED NECESSARY BY ENGINEERING.
 3. NO IN-SITU OR TRANSIENT COMBUSTIBLES PERMITTED IN THIS FIRE ZONE.
 4. SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 5. SEE EC-013-1062 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.

LEGEND:	
[1]-[XX]	ROOM NUMBER
[---]	FIRE ZONE
①	SAFE SHUTDOWN PATH 1 DIVISION 1 PROTECTED
②	SAFE SHUTDOWN PATH 2 REMOTE SHUTDOWN FOR CONTROL ROOM FIRE ZONE
③	SAFE SHUTDOWN PATH 3 DIVISION 2 PROTECTED
[---]	FIRE ZONE BOUNDARY
[---]	3/4 IN NON-FIRE RATED WALL
[---]	3/4 IN FIRE RATED WALL
[---]	2 IN NON-FIRE RATED WALL
[---]	2 IN FIRE RATED WALL
[---]	2 IN NON-FIRE RATED FLOOR
[---]	2 IN FIRE RATED FLOOR
[---]	INERT GAS CONTAINMENT BOUNDARY
[---]	REMOTE SHUTDOWN PATH

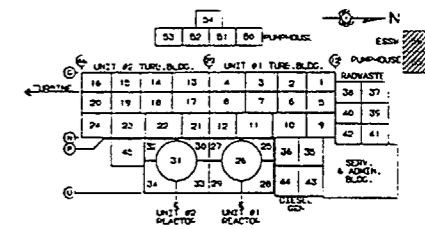
INCORP. DOC 93-0626 AND 10CFR 50.46 (DCP 96-037)	DATE: 11-13-96
DESCRIPTION: CONTROL STRUCTURE FIRE ZONE ELEVATION SECTION A-C	SCALE: 1/8" = 1'-0"
SUSQUEHANNA S.E.S. UNITS 1&2 CONTROL STRUCTURE FIRE ZONE ELEVATION SECTION A-C	
PPL CORP.	
PPL DRAWING NO. E205996	SHEET NO. 4
REVISION NO. C-1757	DATE: 11-13-96

SECTION A-A

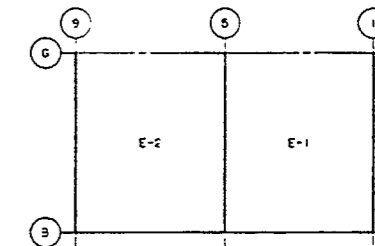
SUSQUEHANNA S.E.S. UNITS 1&2 CONTROL STRUCTURE FIRE ZONE ELEVATION SECTION A-C
 PROJECT NO. 93-0626
 SHEET NO. 4
 DATE: 11-13-96
 SCALE: 1/8" = 1'-0"
 PPL CORP.
 E205996
 C-1757



FLOOR PLAN @ ELEV. 660'-0"



KEY PLAN



FIRE AREA KEY PLAN

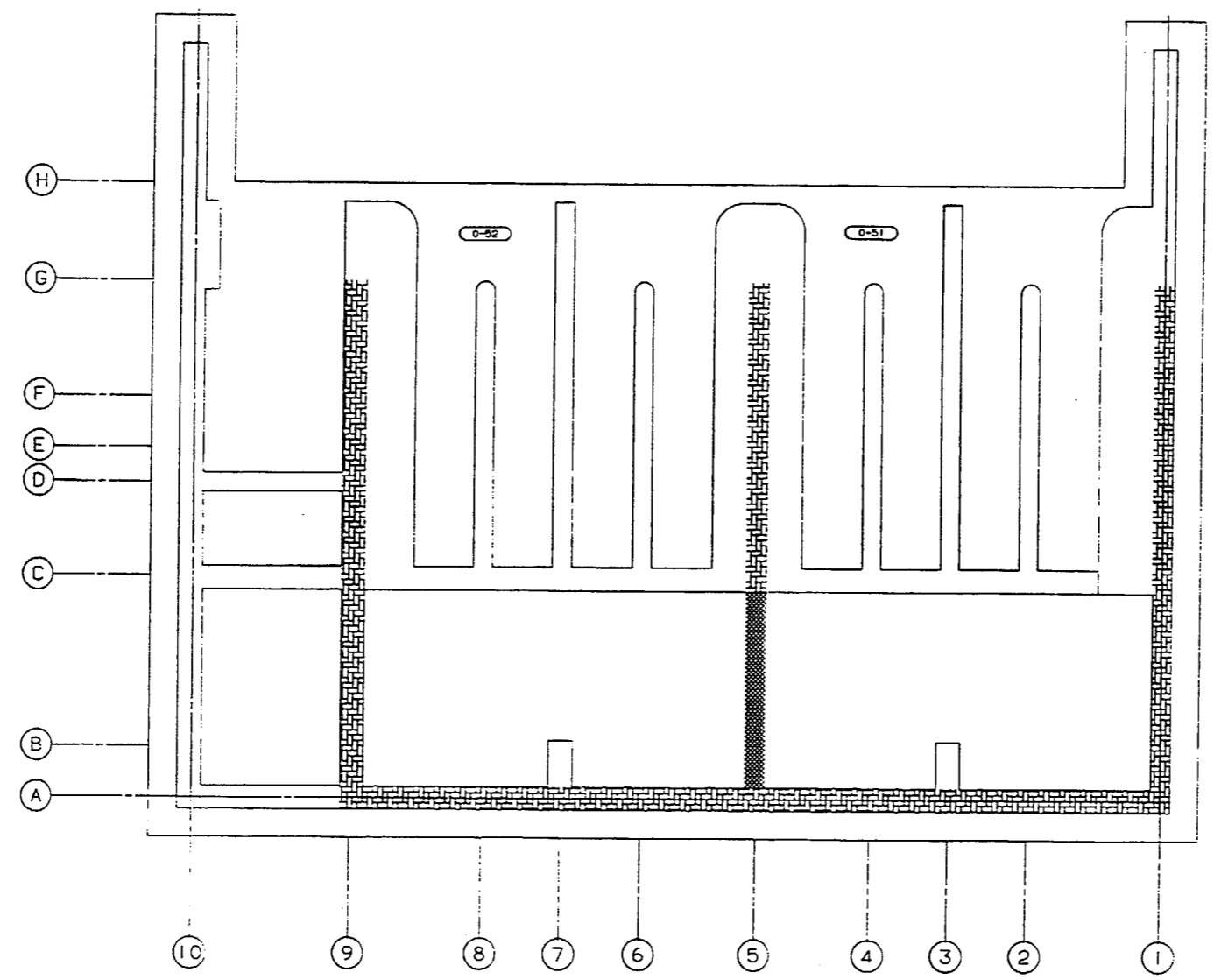
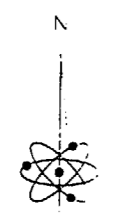
(SEE DWG. E205999)

NOTES:
 1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE, WHERE BOTH DIVISIONS ARE SHOWN. BOTH DIVISIONS MUST BE PROTECTED.

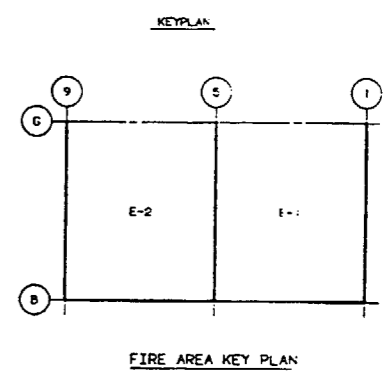
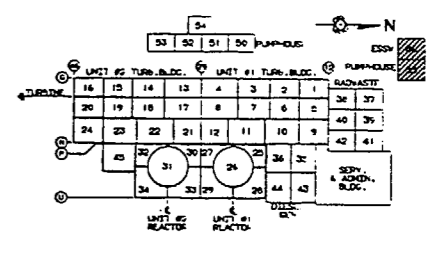
LEGEND			
[]	ROOM NUMBER		
[]	FIRE ZONE	A-331 SH. 1 E105085 SH. 1	
[]	DIVISION I PROTECTED SAFE SHUTDOWN PATH	C-1760 SH. 1 E205999 SH. 1	
[]	DIVISION II PROTECTED SAFE SHUTDOWN PATH		
[]	FIRE ZONE BOUNDARY		
[]	3 HR. FIRE-RATED WALLS		
[]	2 HR. FIRE-RATED WALLS		
[]	3 HR. FIRE-RATED FLOORS		
[]	INSERTED CONTAINMENT BOUNDARY		
[]	REVERT SHUTDOWN PATH		

INCORP. DON 93-0627 AND REVISED PER ENR 100411	AKA	BY	DATE
QUALITY RELATED			
SUSQUEHANNA S.E.S. COMMON			
ESSW PUMP HOUSE			
FIRE ZONE PLAN			
ELEV. 660'-0"			
AREA OF 66' X 66' (4400') SCALE 3/16"=1'-0"	PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN, PA.		
REV. DRAWING NO. E205997	SHEET NO. 1	REV. NO. 2	
REV. DRAWING NO. C-1758	SHEET NO. 1	REV. NO. 2	

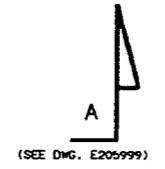
10
9
8
7
6
5
4
3
2
1
 H
G
F
E
D
C
B
A
 10
9
8
7
6
5
4
3
2
1
 H
G
F
E
D
C
B
A



FLOOR PLAN @ ELEV. 660'-0"



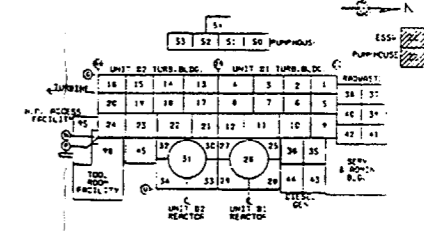
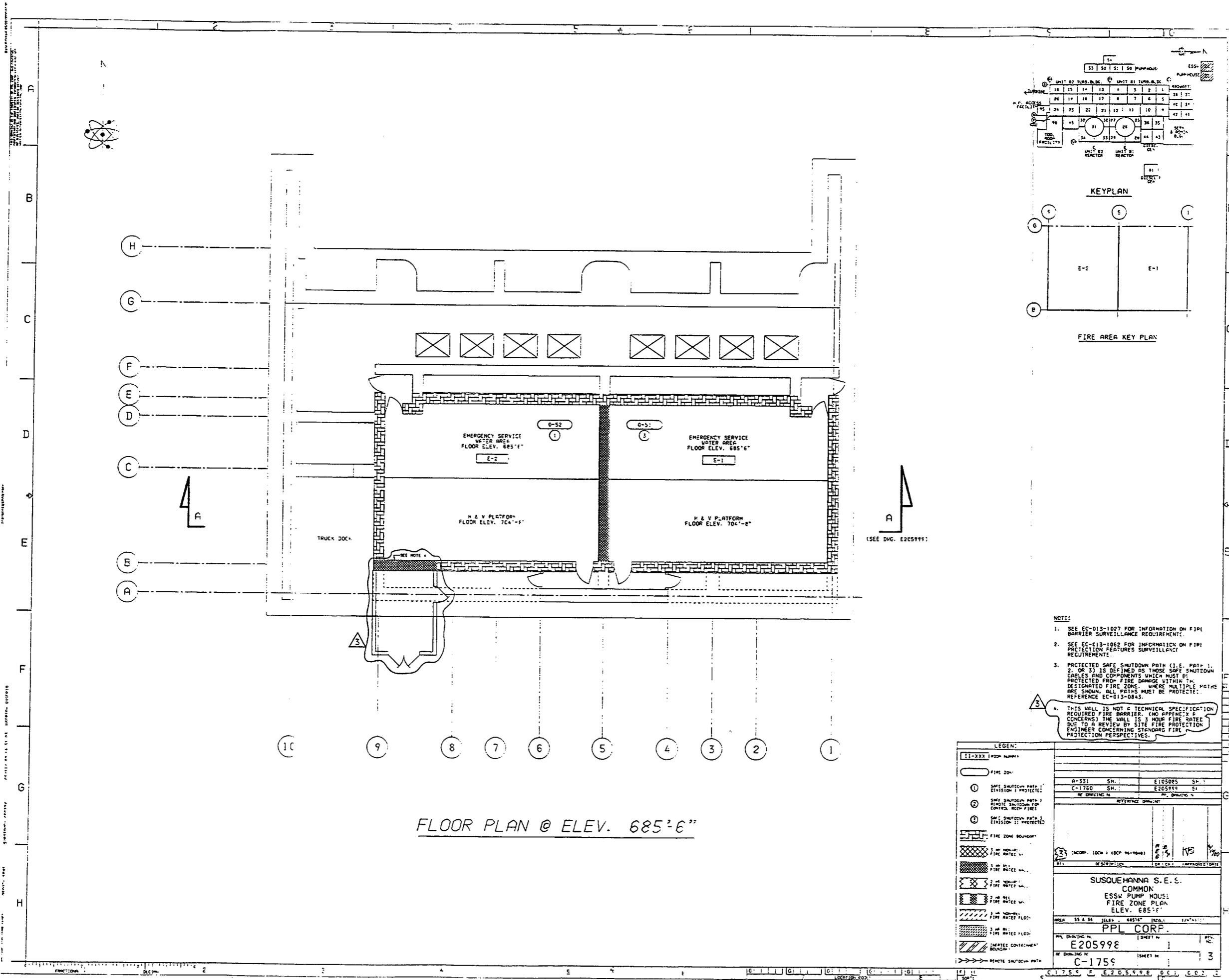
- NOTES:
- SEE EC-013-1006 FOR INFORMATION ON TECH. SPEC. FIRE DOORS.
 - SEE EC-013-1009 FOR INFORMATION ON TECH. SPEC. FIRE DAMPERS.



LEGEND		REVISIONS	
[Symbol]	ROOM NUMBER	NO.	DATE
[Symbol]	FIRE ZONE	1	10/1/56
[Symbol]	FIRE ZONE BOUNDARY	2	10/1/56
[Symbol]	3 HR. FIRE-RATED WALL	3	10/1/56
[Symbol]	2 HR. FIRE-RATED WALL	4	10/1/56
[Symbol]	3 HR. FIRE-RATED FLOOR	5	10/1/56
[Symbol]	INERTIAL CONTAINMENT BOUNDARY	6	10/1/56
[Symbol]	DO NOT TEMPORARILY OR PERMANENTLY STORE PLACE OR CONSTRUCTION MATERIALS IN THIS AREA. TRANSDUCER CONNECTIONS SHALL BE DISTRICT IN THIS AREA.	7	10/1/56
[Symbol]	1/2 HR. FIRE RATED DOOR	8	10/1/56
[Symbol]	3 HR. FIRE RATED DOOR	9	10/1/56
[Symbol]	1/2 HR. TECH. SPEC. FIRE RATED DOOR	10	10/1/56
[Symbol]	3 HR. TECH. SPEC. FIRE RATED DOOR	11	10/1/56
[Symbol]	FIRE DAMPER	12	10/1/56
[Symbol]	TECH. SPEC. FIRE DAMPER	13	10/1/56
[Symbol]	FIRE DAMPER (1-1/2 HR.)	14	10/1/56
[Symbol]	FIRE RATING	15	10/1/56
[Symbol]	1 1/2 HR. RATING	16	10/1/56
[Symbol]	3 HR. RATING	17	10/1/56
[Symbol]	3 HR. PNEUMATIC OVER. TYPE	18	10/1/56

Y-1005	SH. 1	E17713	SH. 1
A-331	SH. 1	E100805	SH. 1
RE DRAWING NO.		REV. DRAWING NO.	
INFORMATION PROVIDED ON THIS SHEET TRANSFERRED TO SH. 1 AND ADDED FIRE DOOR AND FIRE DAMPER INFORMATION TO THIS SHEET (SEE DWG. E205999)			
REV.	DESCRIPTION	DATE	APPROVED DATE
QUALITY RELATEL			
SUSQUEHANNA S.E.S. COMMON ESSW PUMP HOUSE FIRE DOORS AND FIRE DAMPERS ELEV. 660'-0"			
AREA	DC & SB	ELEV.	SCALE
PENNSYLVANIA POWER & LIGHT COMPANY ALLEGANY PLANT			
REV. NO.		SHEET NO.	
E205997		2	
REV. DATE		DATE	
C-1756		10/1/56	

C.1.7.5.6, E. E.2.0.5.9.5.7, 0.0.2, 0.0.2



KEYPLAN

FIRE AREA KEY PLAN

FLOOR PLAN @ ELEV. 685'-6"

- NOTES:
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1062 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 - PROTECTED SAFE SHUTDOWN PATH (I.E. PATH 1, 2, OR 3) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN A DESIGNATED FIRE ZONE. WHERE MULTIPLE PATHS ARE SHOWN, ALL PATHS MUST BE PROTECTED. REFERENCE EC-013-0843.
 - THIS WALL IS NOT A TECHNICAL SPECIFICATION REQUIRED FIRE BARRIER. (NO APPENDIX A CONCERNS) THE WALL IS 3 HOUR FIRE RATED DUE TO A REVIEW BY SITE FIRE PROTECTION ENGINEER CONCERNING STANDARD FIRE PROTECTION PERSPECTIVES.

LEGEND:

- 11-XXX ROOM NUMBER
- FIRE ZONE
- SAFE SHUTDOWN PATH 1 DIVISION 1 PROTECTED
- SAFE SHUTDOWN PATH 2 DIVISION 1 PROTECTED
- SAFE SHUTDOWN PATH 3 DIVISION 1 PROTECTED
- FIRE ZONE BOUNDARY
- 3 HR. WALL FIRE RATED WALL
- 2 HR. WALL FIRE RATED WALL
- 1 HR. WALL FIRE RATED WALL
- 3 HR. WALL FIRE RATED FLOOR
- 3 HR. WALL FIRE RATED CEILING
- SMALLER CONTAINMENT BOUNDARY
- REMOTE SHUTDOWN PATH

NO.	DESCRIPTION	DATE	APPROVED
0-551	SM.	E105095	SM.
C-1760	SM.	E205998	SM.

REVISIONS:

NO.	DESCRIPTION	DATE	APPROVED
1	ISSUED FOR CONSTRUCTION	11/10/00	SM.

SUSQUEHANNA S. E. S.
COMMON
ESS PUMP HOUSE
FIRE ZONE PLAN
ELEV. 685'-6"

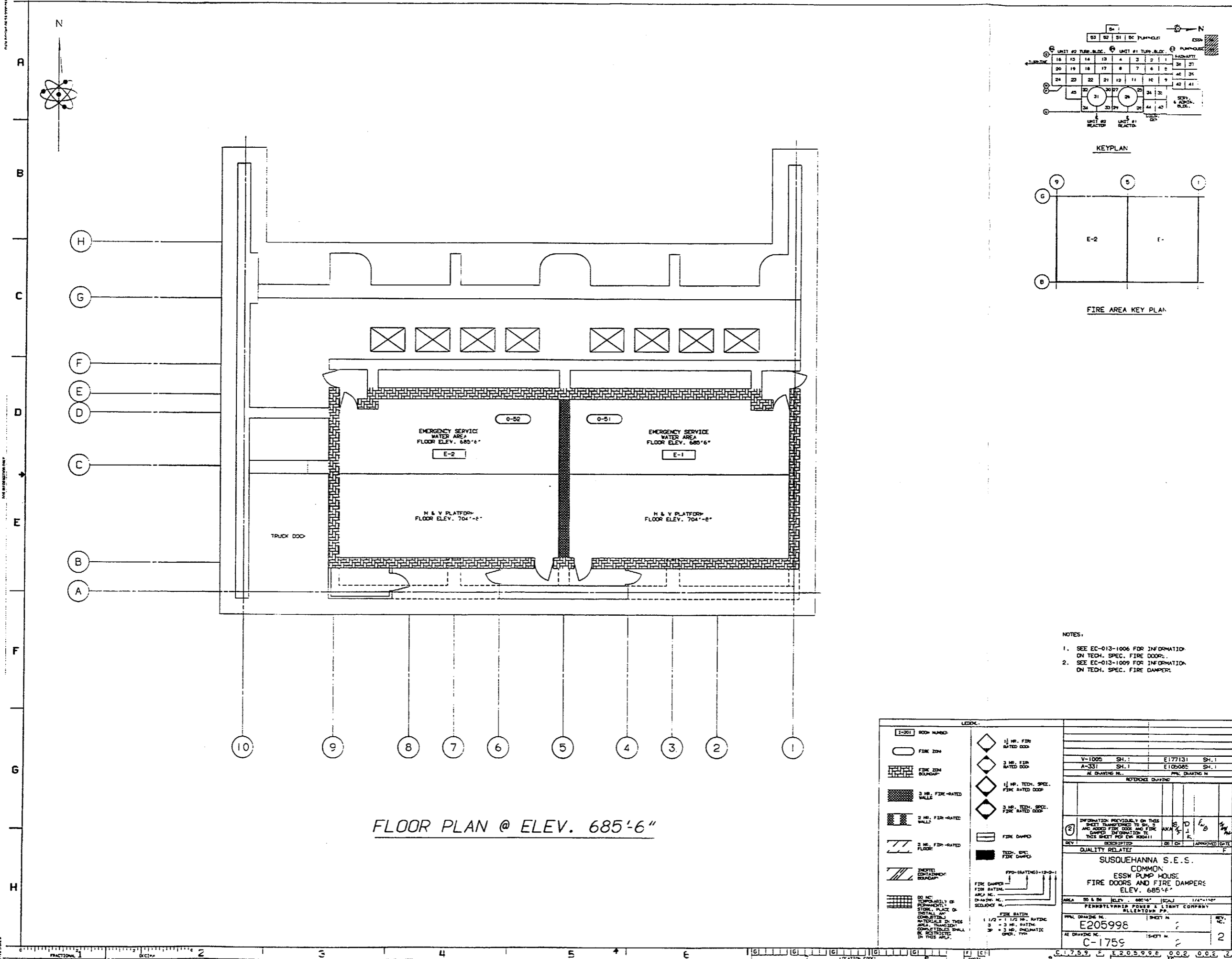
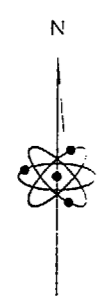
DATE: 55 & 54 ELEV.: 685'-6" (SEE EC-013-0843)

PPL CORP.

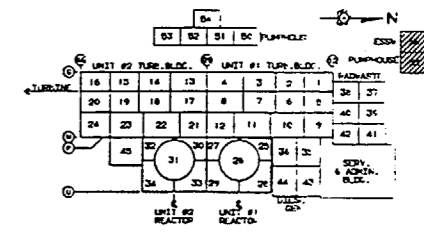
DATE: 11/10/00

NO. DRAWING: E205998 SHEET: 1

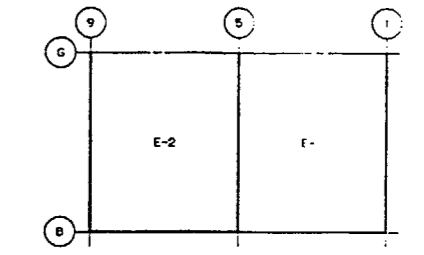
NO. DRAWING: C-1759 SHEET: 3



FLOOR PLAN @ ELEV. 685'-6"



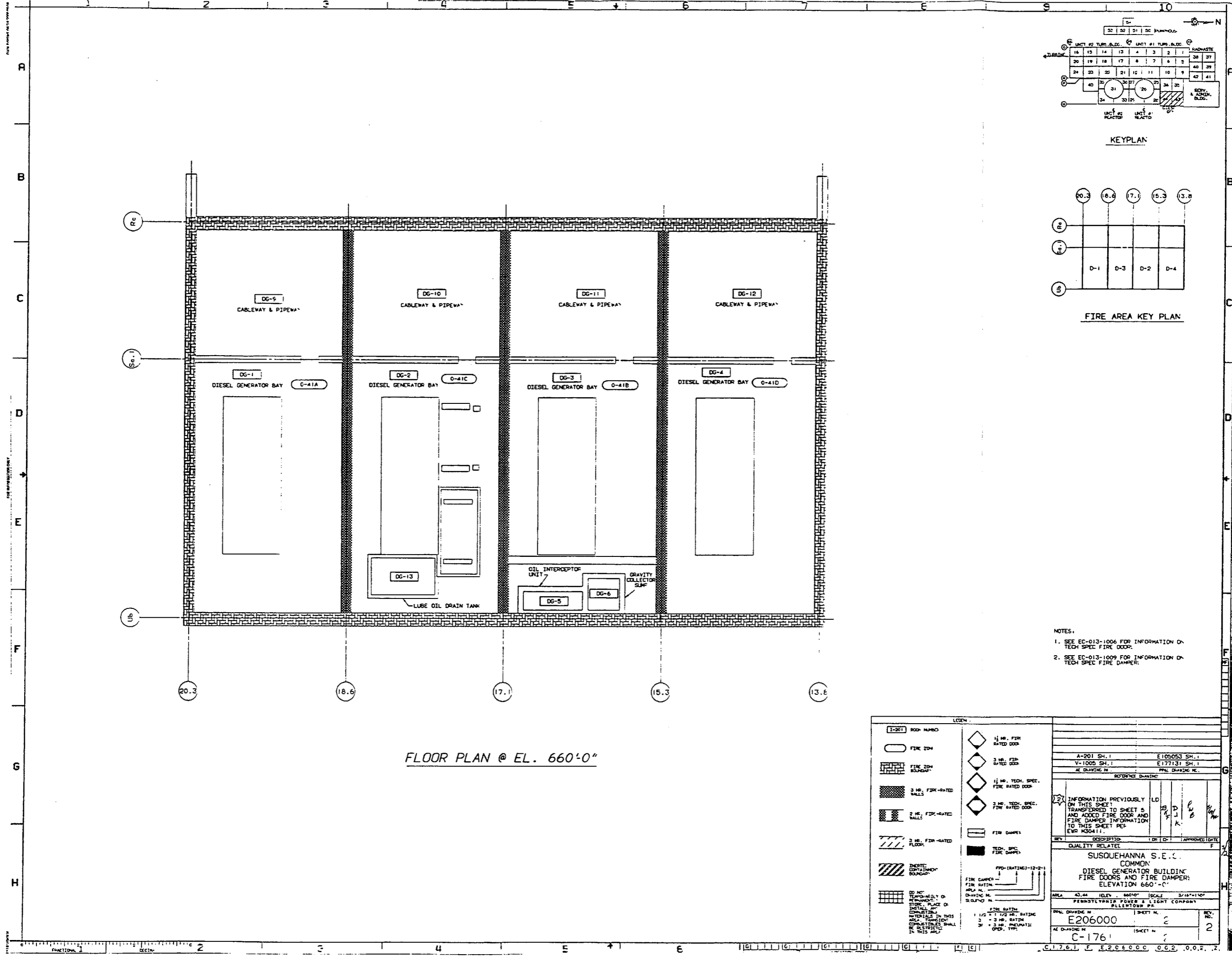
KEYPLAN



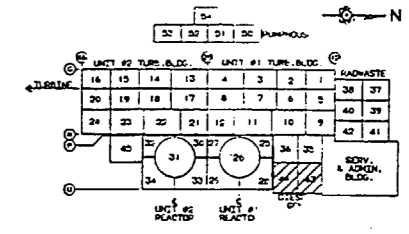
FIRE AREA KEY PLAN

- NOTES:
- SEE EC-013-1006 FOR INFORMATION ON TECH. SPEC. FIRE DOORS.
 - SEE EC-013-1009 FOR INFORMATION ON TECH. SPEC. FIRE DAMPER.

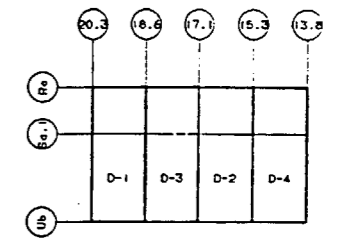
<p>1-201 ROOM NUMBER</p> <p>FIRE DOOR</p> <p>FIRE DOOR GROUP</p> <p>3 HR. FIRE-RATED WALL</p> <p>2 HR. FIRE-RATED WALL</p> <p>3 HR. FIRE-RATED FLOOR</p> <p>INERTIAL CONTAINMENT GROUP</p> <p>DO NOT TEMPERATURALLY DEPENDENT STOP, PLACE OR INSTALL ANY COMBUSTIBLE MATERIALS IN THIS AREA. TRANSDUCER COMPARTMENTS SHALL BE RESTRICTED IN THIS AREA.</p>		<p>1/2 HR. FIRE RATED DOOR</p> <p>3 HR. FIRE RATED DOOR</p> <p>1/2 HR. TECH. SPEC. FIRE RATED DOOR</p> <p>3 HR. TECH. SPEC. FIRE RATED DOOR</p> <p>FIRE DAMPER</p> <p>TECH. SPEC. FIRE DAMPER</p> <p>FIRE DAMPER FIRE RATING AREA NO. SYMBOL NO.</p> <p>FIRE RATING</p> <p>1 1/2 = 1 1/2 HR. RATING</p> <p>3 = 3 HR. RATING</p> <p>3P = 3 HR. AUTOMATIC OPER. TYPE</p>	<table border="1"> <tr> <td>V-1005</td> <td>SH.1</td> <td>E177131</td> <td>SH.1</td> </tr> <tr> <td>A-331</td> <td>SH.1</td> <td>E102085</td> <td>SH.1</td> </tr> <tr> <td colspan="2">AS DRAWING NO.</td> <td colspan="2">PPL DRAWING NO.</td> </tr> <tr> <td colspan="4"> <p>INFORMATION PROVIDED ON THIS SHEET TRANSFERRED TO SH. 2 AND ADDED FOR DOOR AND FIRE DAMPER INFORMATION TO THIS SHEET FOR THE ROOM!!</p> </td> </tr> <tr> <td>REV</td> <td>DESCRIPTION</td> <td>BY</td> <td>DATE</td> </tr> <tr> <td colspan="4">QUALITY RELATES</td> </tr> <tr> <td colspan="4"> <p>SUSQUEHANNA S.E.S. COMMON ESSW PUMP HOUSE FIRE DOORS AND FIRE DAMPERS ELEV. 685'-6"</p> </td> </tr> <tr> <td>AREA</td> <td>DO & DI</td> <td>ELEV.</td> <td>SCALE</td> </tr> <tr> <td></td> <td></td> <td>685'-6"</td> <td>1/4"=1'-0"</td> </tr> <tr> <td colspan="4"> <p>PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN, PA.</p> </td> </tr> <tr> <td>PPL DRAWING NO.</td> <td>SHEET NO.</td> <td colspan="2">REV. NO.</td> </tr> <tr> <td>E205998</td> <td>2</td> <td colspan="2">2</td> </tr> <tr> <td>AS DRAWING NO.</td> <td>SHEET NO.</td> <td colspan="2">REV. NO.</td> </tr> <tr> <td>C-1759</td> <td>2</td> <td colspan="2">2</td> </tr> </table>	V-1005	SH.1	E177131	SH.1	A-331	SH.1	E102085	SH.1	AS DRAWING NO.		PPL DRAWING NO.		<p>INFORMATION PROVIDED ON THIS SHEET TRANSFERRED TO SH. 2 AND ADDED FOR DOOR AND FIRE DAMPER INFORMATION TO THIS SHEET FOR THE ROOM!!</p>				REV	DESCRIPTION	BY	DATE	QUALITY RELATES				<p>SUSQUEHANNA S.E.S. COMMON ESSW PUMP HOUSE FIRE DOORS AND FIRE DAMPERS ELEV. 685'-6"</p>				AREA	DO & DI	ELEV.	SCALE			685'-6"	1/4"=1'-0"	<p>PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN, PA.</p>				PPL DRAWING NO.	SHEET NO.	REV. NO.		E205998	2	2		AS DRAWING NO.	SHEET NO.	REV. NO.		C-1759	2	2	
V-1005	SH.1	E177131	SH.1																																																								
A-331	SH.1	E102085	SH.1																																																								
AS DRAWING NO.		PPL DRAWING NO.																																																									
<p>INFORMATION PROVIDED ON THIS SHEET TRANSFERRED TO SH. 2 AND ADDED FOR DOOR AND FIRE DAMPER INFORMATION TO THIS SHEET FOR THE ROOM!!</p>																																																											
REV	DESCRIPTION	BY	DATE																																																								
QUALITY RELATES																																																											
<p>SUSQUEHANNA S.E.S. COMMON ESSW PUMP HOUSE FIRE DOORS AND FIRE DAMPERS ELEV. 685'-6"</p>																																																											
AREA	DO & DI	ELEV.	SCALE																																																								
		685'-6"	1/4"=1'-0"																																																								
<p>PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN, PA.</p>																																																											
PPL DRAWING NO.	SHEET NO.	REV. NO.																																																									
E205998	2	2																																																									
AS DRAWING NO.	SHEET NO.	REV. NO.																																																									
C-1759	2	2																																																									



FLOOR PLAN @ EL. 660'-0"



KEYPLAN



FIRE AREA KEY PLAN

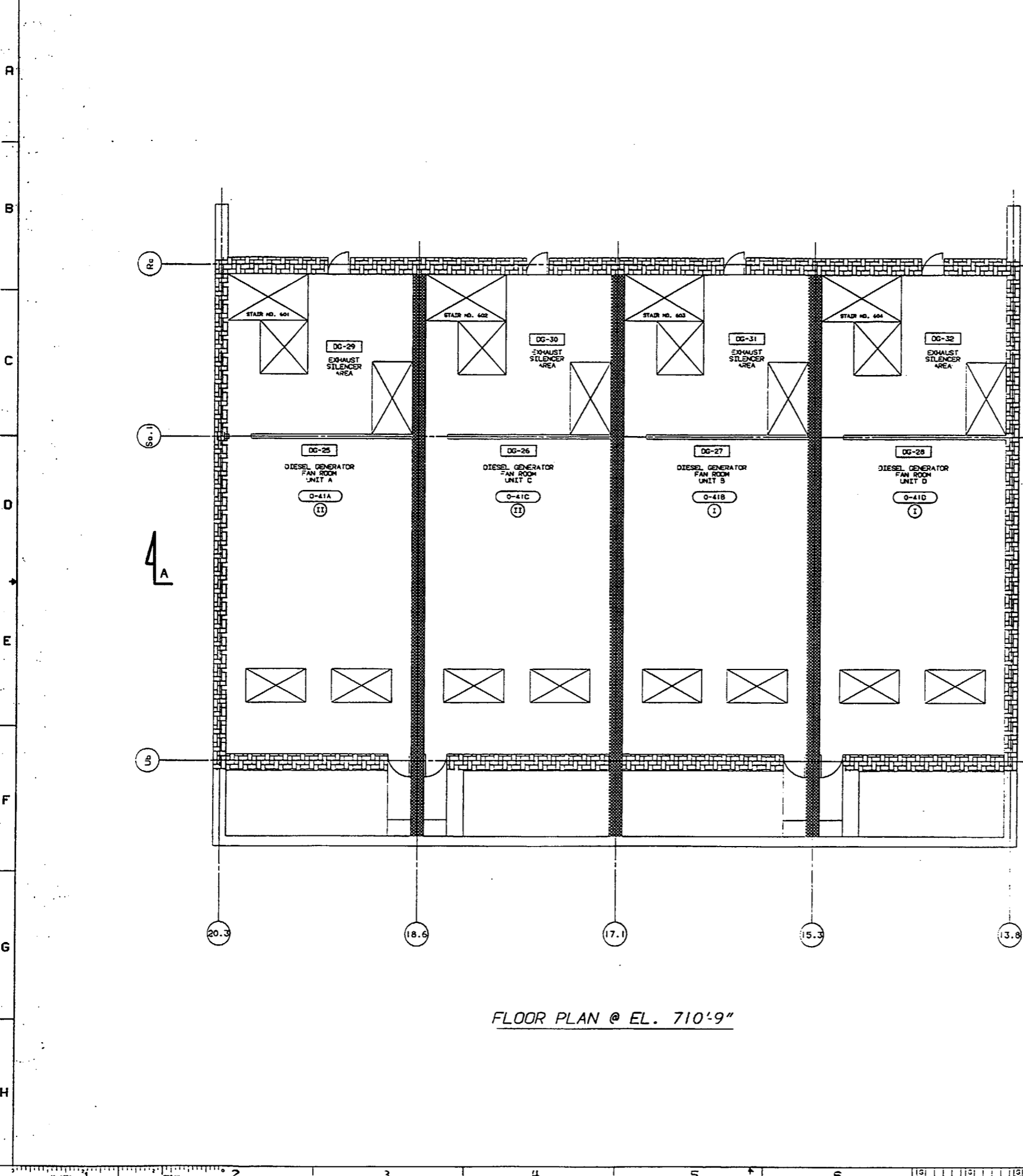
- NOTES:
- SEE EC-013-1006 FOR INFORMATION ON TECH SPEC FIRE DOOR.
 - SEE EC-013-1009 FOR INFORMATION ON TECH SPEC FIRE DAMPER.

LEGEND

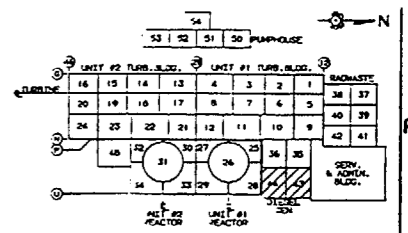
[I-201] ROOF NUMBER	1 1/2 HR. FIRE RATED DOOR
[O] FIRE ZONE	3 HR. FIRE RATED DOOR
[Hatched Box] FIRE ZONE BOUNDARY	1 1/2 HR. TECH. SPEC. FIRE RATED DOOR
[Dotted Box] 3 HR. FIRE RATED WALLS	3 HR. TECH. SPEC. FIRE RATED DOOR
[Cross-hatched Box] 2 HR. FIRE RATED WALLS	[Line with Arrow] FIRE DAMPER
[Diagonal Lines] 3 HR. FIRE RATED FLOOR	[Solid Black Box] TECH. SPEC. FIRE DAMPER
[Hatched Box] IDENTIFIED CONTAINED BOUNDARY	[Line with Arrow] FPD (RATING)-12-2-1
[Grid Box] DO NOT TEMPORARILY OR PERMANENTLY REMOVE ANY STRUCTURAL MEMBER. PLACE OR IDENTIFY ALL UTILITIES IN THIS AREA. CONSTRUCTION SHALL BE RESTRICTED TO THIS AREA.	[Line with Arrow] FIRE DAMPER
	[Line with Arrow] FIRE RATING
	1 1/2 - 1 1/2 HR. RATING
	3 - 3 HR. RATING
	3 - 3 HR. PNEUMATIC OPER. TYP.

A-201 SH. 1	E105053 SH. 1			
V-1005 SH. 1	E177131 SH. 1			
AE DRAWING NO.	PPM DRAWING NO.			
REFERENCE DRAWING				
2	LD			
INFORMATION PREVIOUSLY ON THIS SHEET TRANSFERRED TO SHEET 5 AND ADDED FIRE DOOR AND FIRE DAMPER INFORMATION TO THIS SHEET PER EWR M30411.				
REV	DESCRIPTION	OR	DATE	APPROVED
QUALITY RELATEL				
SUSQUEHANNA S.E.C. COMMON				
DIESEL GENERATOR BUILDING FIRE DOORS AND FIRE DAMPERS ELEVATION 660'-0"				
AREA	43.44	164' x 300'	SCALE	3/16"=1'-0"
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.				
PPM DRAWING NO.	E206000	SHEET NO.	2	REV. NO.
AE DRAWING NO.	C-176	SHEET NO.	?	REV. NO.

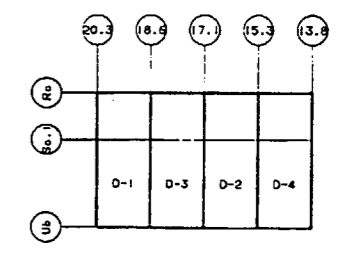
DATE PLOTTED: 04/10/03



FLOOR PLAN @ EL. 710'-9"



KEYPLAN



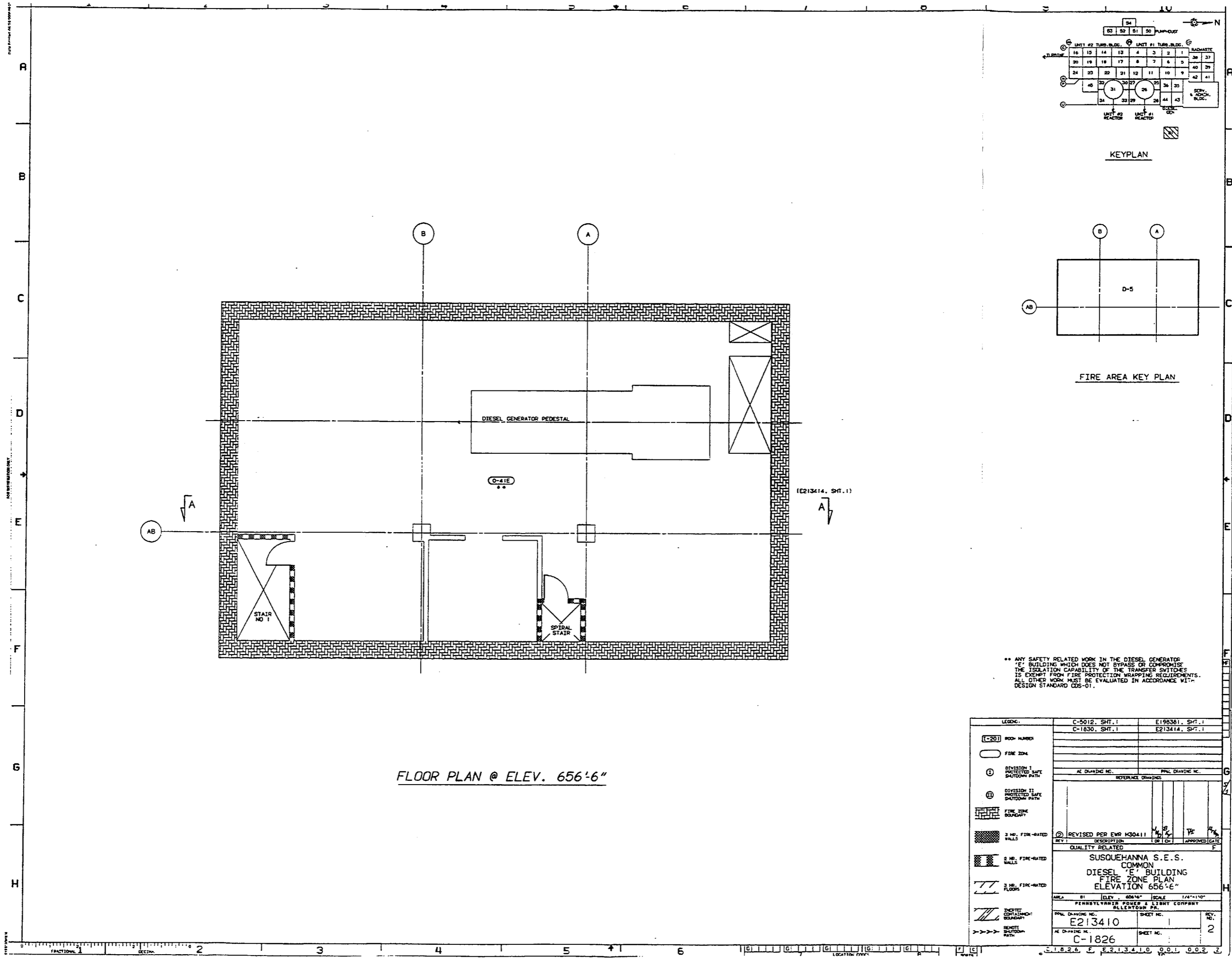
FIRE AREA KEY PLAN

NOTES:
 1. PROTECTED SAFE SHUTDOWN PATH (I.E. DIVISION) IS DEFINED AS THOSE SAFE SHUTDOWN CABLES AND COMPONENTS WHICH MUST BE PROTECTED FROM FIRE DAMAGE WITHIN THE DESIGNATED FIRE ZONE, WHERE BOTH DIVISIONS ARE SHOWN, BOTH DIVISIONS MUST BE PROTECTED.

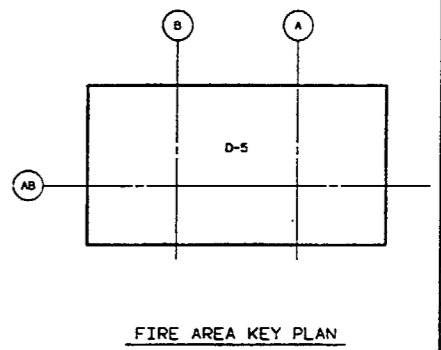
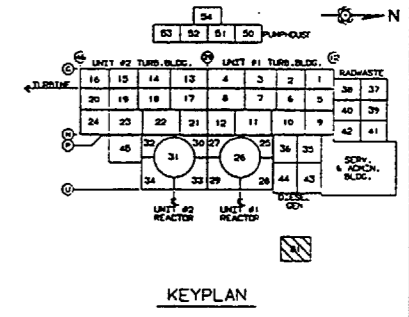
LEGEND:	
[]	ROOM NUMBER
[]	FIRE ZONE
[]	DIVISION I PROTECTED SAFE SHUTDOWN PATH
[]	DIVISION II PROTECTED SAFE SHUTDOWN PATH
[]	FIRE ZONE BOUNDARY
[]	3 HR. FIRE-RATED WALLS
[]	2 HR. FIRE-RATED WALLS
[]	3 HR. FIRE-RATED FLOORS
[]	DESICATED CONTAINMENT BOUNDARY
[]	ROUTE SHUTDOWN PATH

NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10	NO. 11	NO. 12	NO. 13	NO. 14	NO. 15	NO. 16	NO. 17	NO. 18	NO. 19	NO. 20	NO. 21	NO. 22	NO. 23	NO. 24	NO. 25	NO. 26	NO. 27	NO. 28	NO. 29	NO. 30	NO. 31	NO. 32	NO. 33	NO. 34	NO. 35	NO. 36	NO. 37	NO. 38	NO. 39	NO. 40	NO. 41	NO. 42	NO. 43	NO. 44	NO. 45	NO. 46	NO. 47	NO. 48	NO. 49	NO. 50
-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

INCORP. DON 93-0635 AND LDB REVISED PER EWR 430411	DATE	APPROVED
QUALITY RELATED	DATE	APPROVED
SUSQUEHANNA S.E.S. COMMON DIESEL GENERATOR BUILDING FIRE ZONE PLAN ELEVATION 710'-9"		
AREA 43.84	GRID 710'-9"	SCALE 1/16"=1'-0"
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.		
PPAL DRAWING NO. E206002	SHEET NO.	REV. NO.
AE DRAWING NO. C-1763	SHEET NO.	2

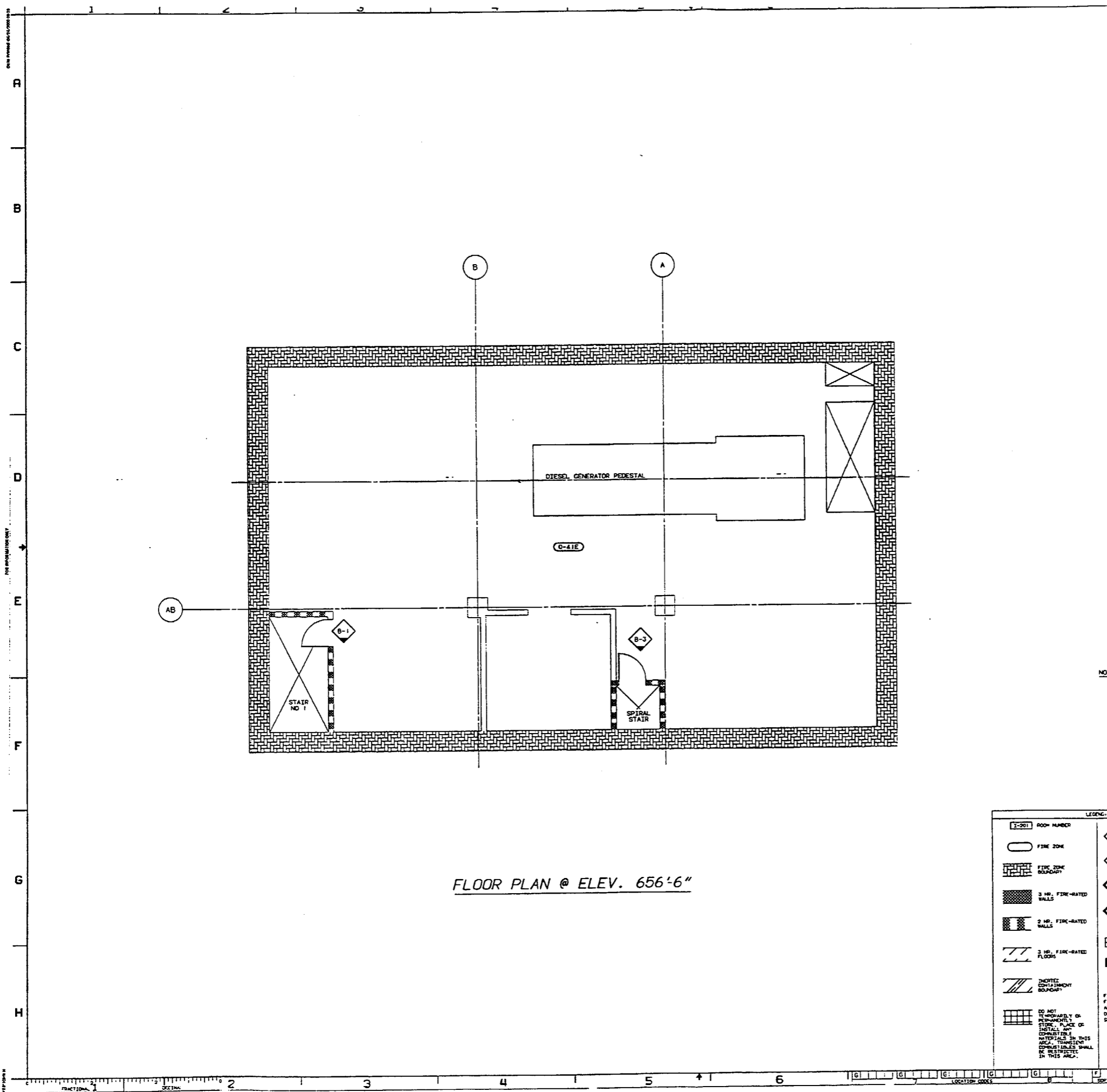


FLOOR PLAN @ ELEV. 656'-6"

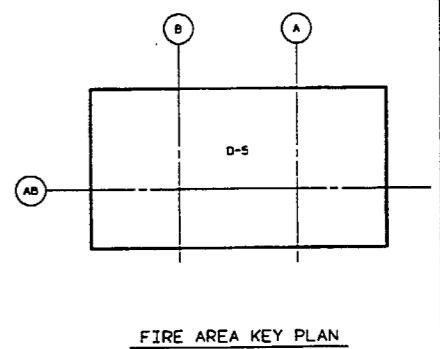
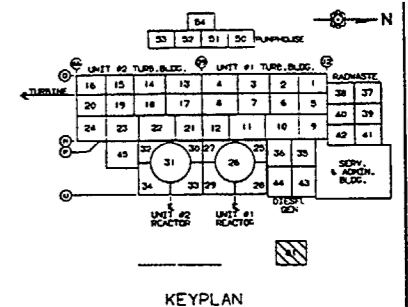


** ANY SAFETY RELATED WORK IN THE DIESEL GENERATOR 'E' BUILDING WHICH DOES NOT BYPASS OR COMPROMISE THE ISOLATION CAPABILITY OF THE TRANSFER SWITCHES IS EXEMPT FROM FIRE PROTECTION WRAPPING REQUIREMENTS. ALL OTHER WORK MUST BE EVALUATED IN ACCORDANCE WITH DESIGN STANDARD DGS-01.

LEGEND:	C-5012, SHT. 1	E198381, SHT. 1
(-20) ROOM NUMBER	C-1830, SHT. 1	E213414, SHT. 1
○ FIRE ZONE		
① DIVISION I PROTECTED SAFE SHUTDOWN PATH		
② DIVISION II PROTECTED SAFE SHUTDOWN PATH		
▨ FIRE ZONE BOUNDARY		
▩ 2 NO. FIRE-RATED WALLS		
▩ 2 NO. FIRE-RATED WALLS		
▩ 3 NO. FIRE-RATED FLOORS		
▩ SHUTTERED SHUTDOWN BOUNDARY		
▩ SHUTTERED SHUTDOWN PATH		
	AE DRAWING NO.	POOL DRAWING NO.
	REFERENCE DRAWINGS	
	REVISED PER EMR H30411	
	REV. 1	DESCRIPTION
	QUALITY RELATED	APPROVED DATE
	SUSQUEHANNA S.E.S. COMMON DIESEL 'E' BUILDING FIRE ZONE PLAN ELEVATION 656'-E"	
	AREA	SCALE
	PENNSYLVANIA POWER & LIGHT COMPANY	
	PPAL DRAWING NO.	SHEET NO.
	E213410	1
	AE DRAWING NO.	SHEET NO.
	C-1826	2



FLOOR PLAN @ ELEV. 656'-6"

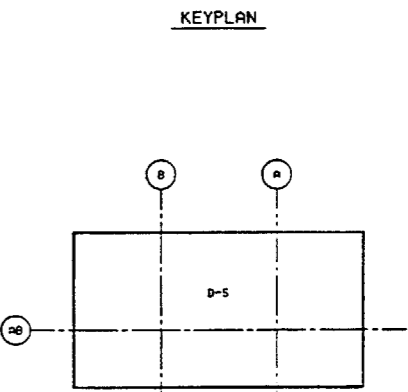
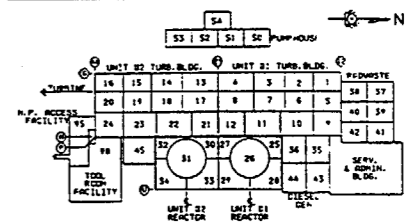
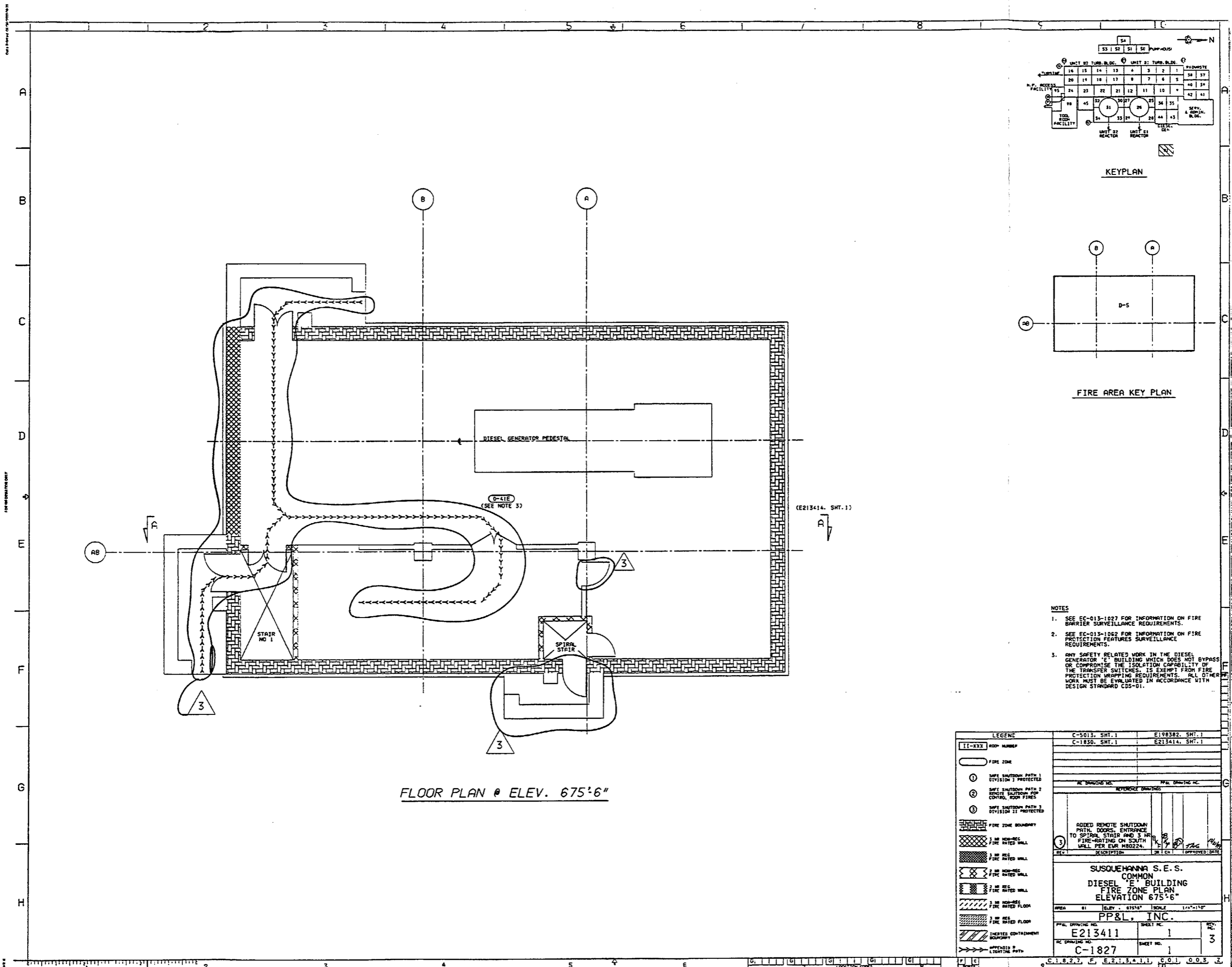


- NOTES:
1. SEE EC-013-1006 FOR INFORMATION ON TECH. SPEC. FIRE DOORS.
 2. SEE EC-013-1009 FOR INFORMATION ON TECH. SPEC. FIRE DAMPERS.

LEGEND:		C-2012, SHT. 1	E198301, SHT. 1
		Y-1005, SHT. 1	E177131, SHT. 1
[1-201] ROOM NUMBER	◆ 1 1/2 HR. FIRE RATED DOOR		
○ FIRE ZONE	◆ 3 HR. FIRE RATED DOOR		
▨ FIRE ZONE BOUNDARY	◆ 1 1/2 HR. TECH. SPEC. FIRE RATED DOOR		
▨ 3 HR. FIRE-RATED WALLS	◆ 3 HR. TECH. SPEC. FIRE RATED DOOR		
▨ 2 HR. FIRE-RATED WALLS	▬ FIRE DAMPER		
▨ 2 HR. FIRE-RATED FLOORS	▬ TECH. SPEC. FIRE DAMPER		
▨ (NOTED ON 12/20/07) BOUNDARY	PPD-RATING 1-2-2-1		
▨ DO NOT TEMPORARILY OR PERMANENTLY STORE, PLACE OR INSTALL ANY COMBUSTIBLE MATERIALS IN THIS AREA. TRANSIENT COMBUSTIBLES SHALL BE RESTRICTED IN THIS AREA.	FIRE DAMPER - FIRE RATING		
	AREA NO.		
	DRAWING NO.		
	SCALE NO.		
	FIRE RATING		
	1 1/2 = 1 1/2 HR. RATING		
	3 = 3 HR. RATING		
	2P = 2 HR. PNEUMATIC OPER. TYPE		

AREA NO.	DRAWING NO.	SCALE	1/4"=1'-0"
AREA	E213410	SHEET NO.	2
AREA	C-1826	SHEET NO.	2

SUSQUEHANNA S.E.S. COMMON
 DIESEL GENERATOR 'E' BUILDING
 FIRE DOORS AND FIRE DAMPERS
 ELEV. 656'-6"
 PENNSYLVANIA POWER & LIGHT COMPANY
 ALLENTOWN, PA.

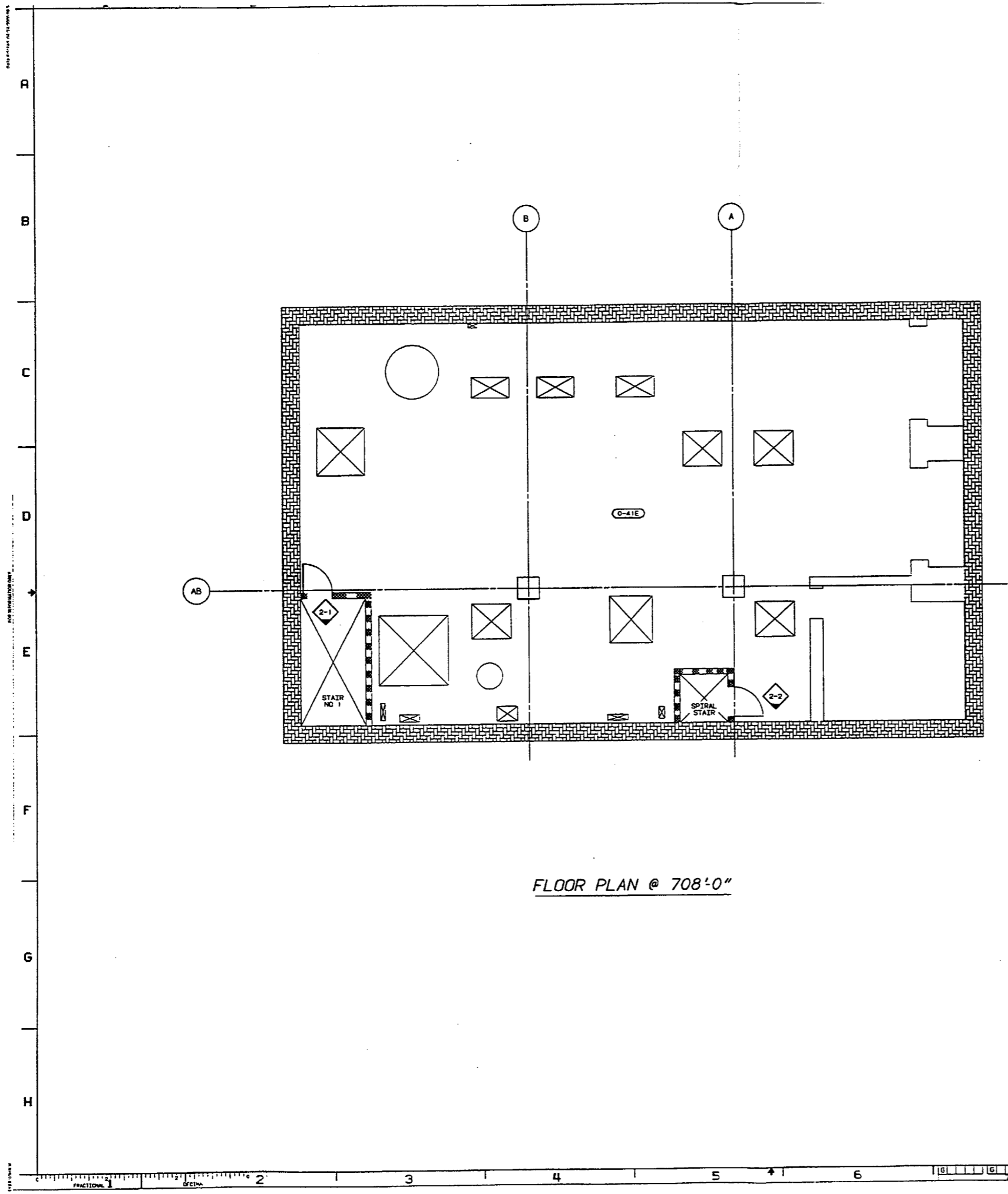


- NOTES
- SEE EC-013-1027 FOR INFORMATION ON FIRE BARRIER SURVEILLANCE REQUIREMENTS.
 - SEE EC-013-1062 FOR INFORMATION ON FIRE PROTECTION FEATURES SURVEILLANCE REQUIREMENTS.
 - ANY SAFETY RELATED WORK IN THE DIESEL GENERATOR 'E' BUILDING WHICH DOES NOT BYPASS OR COMPROMISE THE ISOLATION CAPABILITY OF THE TRANSFER SWITCHES, IS EXEMPT FROM FIRE PROTECTION WRAPPING REQUIREMENTS. ALL OTHER WORK MUST BE EVALUATED IN ACCORDANCE WITH DESIGN STANDARD CDS-01.

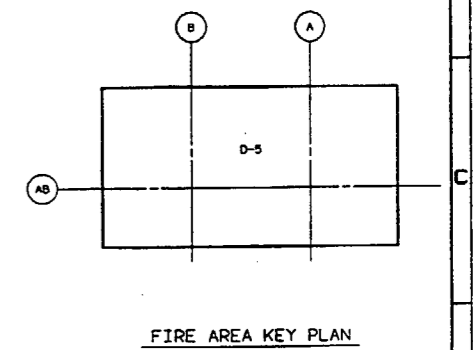
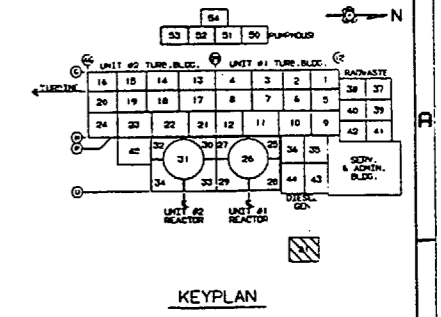
FLOOR PLAN @ ELEV. 675'6"

LEGEND	C-5013, SHT. 1	E198302, SHT. 1
11-XXX	WOP NUMBER	C-1830, SHT. 1
---	FIRE ZONE	E213414, SHT. 1
①	SAFE SHUTDOWN PATH 1 DIVISION 1 PROTECTED	
②	SAFE SHUTDOWN PATH 2 REMOTE SHUTDOWN FOR CONTROL ROOM FIRES	
③	SAFE SHUTDOWN PATH 3 DIVISION 11 PROTECTED	
---	FIRE ZONE BOUNDARY	
---	1/2 HR NON-REG FIRE RATED WALL	
---	1 HR NON-REG FIRE RATED WALL	
---	2 HR NON-REG FIRE RATED WALL	
---	3 HR NON-REG FIRE RATED WALL	
---	1/2 HR NON-REG FIRE RATED FLOOR	
---	1 HR NON-REG FIRE RATED FLOOR	
---	2 HR NON-REG FIRE RATED FLOOR	
---	3 HR NON-REG FIRE RATED FLOOR	
---	EMERGENCY CONTAINMENT BOUNDARY	
---	APPENDIX B LIGHTING PATH	

ADDED REMOTE SHUTDOWN PATH, DOORS, ENTRANCE TO SPIRAL STAIR AND 3 HR FIRE-RATING ON SOUTH WALL PER EVR M80224.	REVISION	DATE	APPROVED: DATE
SUSQUEHANNA S. E. S. DIESEL COMMON 'E' BUILDING FIRE ZONE PLAN ELEVATION 675'6"			
PP&L DRAWING NO.	SHEET NO.	REV. NO.	
E213411	1	3	
AC DRAWING NO.	SHEET NO.	REV. NO.	
C-1827	1	3	



FLOOR PLAN @ 708'-0"

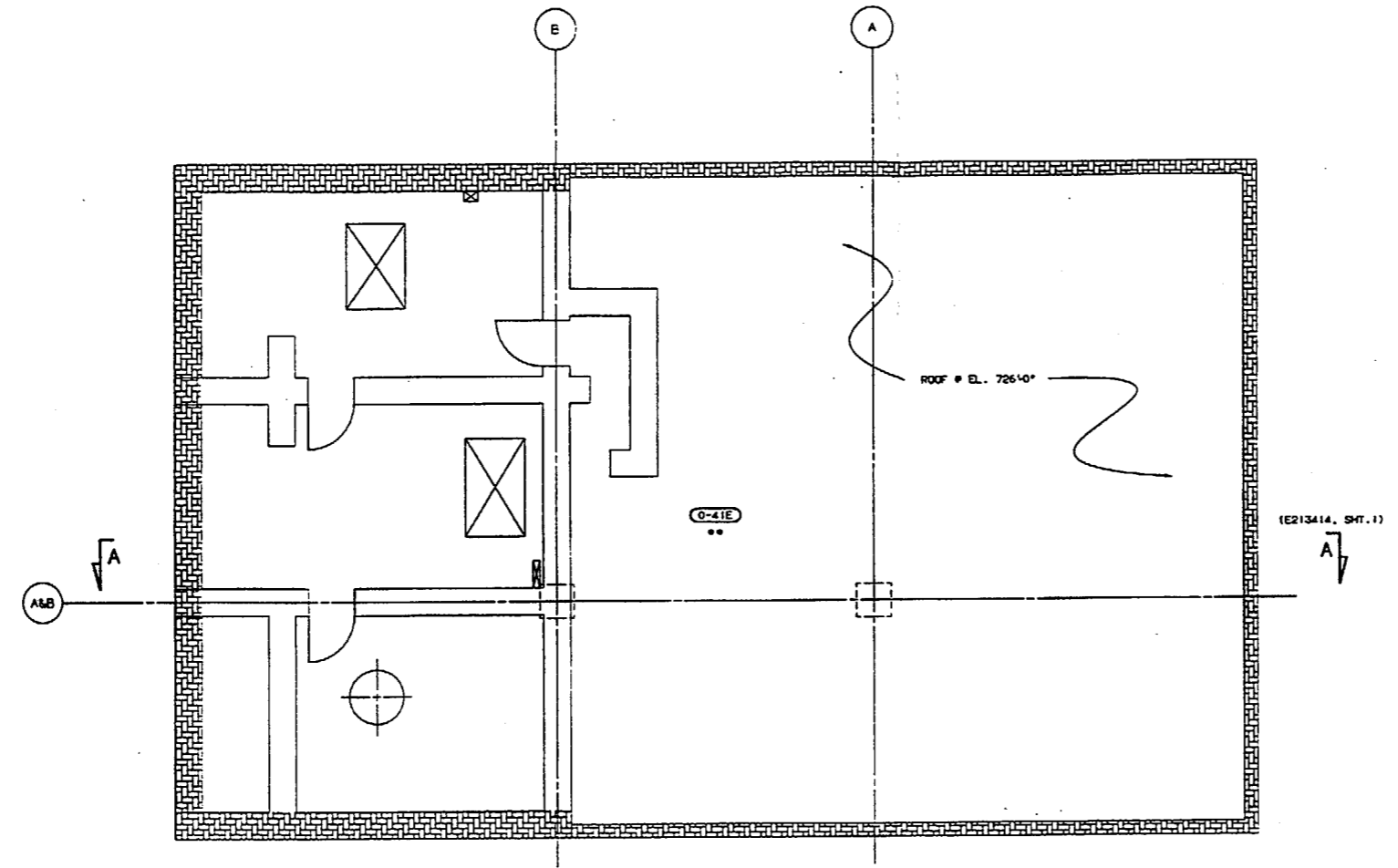


- NOTES:
- SEE EC-013-1006 FOR INFORMATION ON TECH. SPEC. FIRE DOORS.
 - SEE EC-013-1009 FOR INFORMATION ON TECH. SPEC. FIRE DAMPERS.

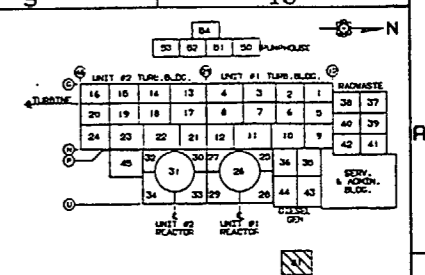
LEGEND: [1-201] ROOM NUMBER ○ FIRE ZONE [Hatched] FIRE ZONE BOUNDARY [Dotted] 3 HR. FIRE-RATED WALLS [Cross-hatched] 2 HR. FIRE-RATED WALLS [Diagonal lines] 3 HR. FIRE-RATED FLOORS [Grid] DO NOT TEMPORARILY OR PERMANENTLY STORE, PLACE OR INSTALL ANY COMBUSTIBLE MATERIALS IN THIS AREA. TRANSFER OF COMBUSTIBLES SHALL BE RESTRICTED TO THIS AREA. [Diamond] 1/2 HR. FIRE RATED DOOR [Diamond] 3 HR. FIRE RATED DOOR [Diamond] 1/2 HR. TECH. SPEC. FIRE RATED DOOR [Diamond] 3 HR. TECH. SPEC. FIRE RATED DOOR [Rectangle] FIRE DAMPER [Square] TECH. SPEC. FIRE DAMPER [Diagram] FIRE DAMPER - FIRE RATING AREA NO. DRAWING NO. SEQUENCE NO. [Diagram] FIRE RATING AREA NO. DRAWING NO. SEQUENCE NO.	C-5014, SHT. 1 V-1005, SHT. 1 E198383, SHT. 1 E177131, SHT. 1
	REFERENCE DRAWINGS INFORMATION PREVIOUSLY ON THIS SHEET TRANSFERRED TO SHEET 4 AND ADDED FIRE DOOR AND FIRE DAMPER INFORMATION TO THIS SHEET PER EMR M30411 REV. DESCRIPTION OF CHG. APPROVED DATE QUALITY RELATED SUSQUEHANNA S.E.S. COMMON DIESEL GENERATOR 'E' BUILDING FIRE DOORS AND FIRE DAMPERS ELEV. 708'-0" AREA 81 ELEV. 708'-0" SCALE 1/4"=1'-0" PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA. PPL DRAWING NO. SHEET NO. REV. E213412 2 1 AE DRAWING NO. SHEET NO. C-1828 2

C.1.8.2.8, E.2.1.3.4.1.2 0.0.1 2

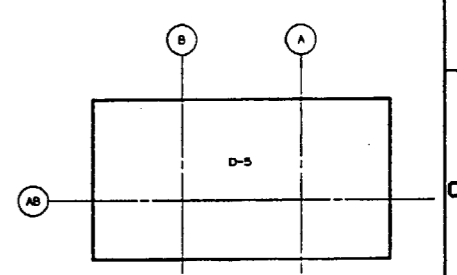
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000



FLOOR PLAN @ 726'-0"



KEYPLAN



FIRE AREA KEY PLAN

** ANY SAFETY RELATED WORK IN THE DIESEL GENERATOR
 'E' BUILDING WHICH DOES NOT BYPASS OR COMPROMISE
 THE ISOLATION CAPABILITY OF THE TRANSFER SWITCHES
 IS EXEMPT FROM FIRE PROTECTION MARKING REQUIREMENTS.
 ALL OTHER WORK MUST BE EVALUATED IN ACCORDANCE WITH
 DESIGN STANDARD CDS-01.

LEGEND:	C-2015, SHT. 1	E198384, SHT. 1
	C-1830, SHT. 1	E213414, SHT. 1
[E-201] ROOM NUMBER		
[---] FIRE ZONE		
[O] DIVISION 1 PROTECTED SAFE SHUTDOWN PATH		
[O] DIVISION 2 PROTECTED SAFE SHUTDOWN PATH		
[---] FIRE ZONE BOUNDARY		
[---] 3 HR. FIRE-RATED WALLS		
[---] 2 HR. FIRE-RATED WALLS		
[---] 3 HR. FIRE-RATED FLOORS		
[---] SHUTTER SHUTDOWN PATH		
	REVISED PER EWR K30411	DATE: 11/11/01
	QUALITY RELATED	APPROVED: [Signature]
SUSQUEHANNA S.E.S. COMMON DIESEL 'E' BUILDING FIRE ZONE PLAN ELEVATION 726'-0"		
SCALE: 1/4"=1'-0"	SCALE: 1/4"=1'-0"	
PPAL DRAWING NO. E213413	SHEET NO. 1	REV. NO. 2
AC DRAWING NO. C-1829	SHEET NO. 1	

