REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8608200231 DOC. DATE: 86/08/12 NOTARIZED: NO DOCKET #
FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylva 05000387
50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylva 05000388
AUTH. NAME AUTHOR AFFILIATION
KEISER, H. W. Pennsylvania Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION
ADENSAM, E. BWR Project Directorate 3 9 vols
SEE RCPTS

SUBJECT: Forwards Rev 0 to ISI-T-207.0, "Lomponent Listing & Inservice Insp 10 Yr Plan" & responses to NRC 860204 request for addl info on inservice insp programs.

sets of 3 Binders

DISTRIBUTION CODE: A047D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 6+1,000
TITLE: OR Submittal: Inservice Inspection/Testing

NOTES: 1cy NMSS/FCAF/PM. LPDR 2cys Transcripts. 05000387
1cy NMSS/FCAF/PM. LPDR 2cys Transcripts. 05000388

	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL
	BWR ADTS		1	1	BWR EB		1	0
	BWR PD3 LA		1	0	BWR PD3 PD	01	5	1 *
	CAMPAGNONE		1	1 *				
INTERNAL:	ACRS	16	10	~~10~~ 1 *	ADM/LFMB		1	0
	AEOD/PTB		1	1	ELD/HDS4		1	0
	~~NRR/DSRO/EIB~~		1	1	NRR/TAMB		1	1
	REG FILE	04	1	1 *	RGN1		1	1
EXTERNAL:	LPDR	03	2	2 *	NRC PDR	02	1	1 *
	NSIC	05	1	1 *				
NOTES:			3	3				

Limited Dist.

*- w/Encl

1 Encls

TOTAL NUMBER OF COPIES REQUIRED: LTTR 33 ENCL ~~30~~

PP&L Pennsylvania Power & Light Company
Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

Harold W. Keiser
Vice President-Nuclear Operations
215/770-7502

AUG 12 1986

Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Project Director
BWR Project Directorate No. 3
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington DC 20555

SUSQUEHANNA STEAM ELECTRIC STATION
ADDITIONAL INFORMATION FOR SUSQUEHANNA
SES UNIT 1 AND UNIT 2 INSERVICE INSPECTION
PROGRAMS
FILES R15, R41-1 DOCKET NOS. 50-387
PLA-2705 50-388

Dear Ms. Adensam:

The following provides a complete response to your request for additional information on the Susquehanna SES Unit 1 and Unit 2 Inservice Inspection Programs dated February 4, 1986.

Question #1:

In order to complete the review of the Unit 2 ISI Program and all relief requests, a full set of weld isometrics and component lists for Class 1, 2, 3 and support systems (comparable to the set previously supplied for Unit 1) is required. Please identify any differences (in addition to designating the Unit) between these documents (isometrics and lists) for the two units.

Response #1:

Attached are "For Information" copies of the following documents:

1. ISI-T-207.0 Component Listing and ISI 10 Year Plan (Attachment #1)

2. Weld, Hanger, and Component Identification Drawings. (Attachment #2)

Question #2:

In regard to P&IDs applicable to Unit 2:

a) Please identify the differences, other than unit designation, between the sets of P&IDs for the two units.

8608200231 860812
PDR ADOCK 05000387
Q PDR

A047 Rcvd
1/1 set Dist
of 3 Binders

b) ISI-M100-1, furnished with the Unit 1 P&IDs, lists P&IDs ISI-M-186, ISI-M-2111, and ISI-M-2112 as applicable to both Units 1 and 2. Please verify that this is still true.

c) ISI-M-134, "Diesel Auxiliaries" was among the P&IDs listed for Unit 1, but was not included with the Unit 2 P&IDs. Is this P&ID valid for Unit 2 as well as Unit 1?

Response #2a:

There are no major differences in philosophy between the ISI boundaries and the ISI classification of systems on Unit 1 and Unit 2. Differences in plant configuration due to design or plant modification may appear on the drawings; however, the basis for the classifications and boundaries were the same for both units.

Response #2b:

ISI-M-186 "Control Structure Chilled Water" is applicable to both units since it is a system common to both units. ISI-M-2111 and ISI-M-2112 are applicable only to Unit 2. These drawings were included with the Unit 1 program submittal to illustrate Unit 1 piping up to the unit isolation break flanges which were utilized during Unit 2 construction. ISI-M-2111 and ISI-M-2112 have been revised to represent piping/components which will be inspected/tested in accordance with the Unit 2 Inservice Inspection Program.

Response #2c:

ISI-M-134 "Diesel Auxiliaries" has been deleted from the Unit 1 ISI scope. This drawing originally included only a small section of tubing to a non-safety related instrument and was not required. This drawing is also not required in the Unit 2 ISI Program.

Question #3:

Relief Requests IRR-10 (Unit 1) and 2RR-8 (Unit 2) Class 1 Pressure-Retaining Welds in Piping Examination Selection, Category B-J:

For Category B-J welds, when the option to determine the extent of examination using the 1974 Edition, Summer 1975 Addenda (10 CFR 50.55a(b)(2)(ii)) is exercised, the extent of examination should be taken form Table IWB-2600 and the schedule from IWB-2420(c). Requirements other than extent and schedule are to be taken from Table IWB-2500-1 of the applicable Code version (the 1980 Edition, Winter 1980 Addenda for Unit 1, and Winter 1981 Addenda for Unit 2).

PP&L proposed to use the 1980 Code for the examination schedule and method. In addition, you proposed to use weld selection criteria similar to the 1980 Code, even though you had previously stated that you are using the 1974 Edition, Summer 1975 Addenda of the Code.

(a) You should select either the ASME Section XI 1974 Edition, Summer 1975 Addenda, or the ASME Section IX 1980 Edition, with appropriate Addenda for both extent and schedule of examination for Category B-J welds. You should advise the staff of your intent.

(b) If your proposed weld selection criteria differ from the Code you selected, you should provide justification that your proposal is equivalent or superior to the Code requirements.

(c) You should submit a revised relief request from the requirements of the selected Code, including a list of B-J welds to be examined this interval, for which scan limitations have been identified using the best information available at this time.

Response #3a:

For Class 1 pressure retaining welds in piping, Code Category B-J, the 1974 Edition, Summer 1975 Addenda was utilized for weld selection, as allowed in 10CFR50.55a(b)(2)(ii) and as discussed in PP&L Relief Request 2RR-8.

Specifically, the selections were based on the following criteria and are illustrated in Attachment #3:

1) The extent of examination/schedule was determined from the 1974 Edition, Summer 1975 Addenda of the Code. That is, "25% of the circumferential joints, including the adjoining . . . longitudinal joints and 25% of . . . branch connection joints" were selected for examination over the ten (10) year interval.

2) The number of welds to be examined were determined on a per system basis using totals per item number within Category B-J.

3) Weld totals do <u>not</u> include dissimilar metal weld joints. These welds are included for examination under Code Category B-F, Item numbers, B5.130 and B5.140.

4) Longitudinal seam welds were selected concurrent with the selection of an intersecting circumferential weld.

5) Requirements other than extent and schedule, such as examination methods and examination requirements, were specified per Table IWB-2500-1 of the 1980 Edition, Winter 1981 Addenda of the Code.

Response #3b:

PP&L chose the 1974 Edition, Summer 1975 Addenda of the Code for selection of Class 1 Category B-J welds which basically requires examination of a random 25% sample of welds. To technically enhance this random selection, PP&L utilized the guidelines for weld selection as provided in 2RR-8. This criteria was modeled after that provided in the 1980 Edition, Winter 1981 Addenda of the Code, with some added flexibility to allow for inaccessible

welds and skews in the sample toward one type of weld at the cost of excluding others. Examples of this include the selection of an alternate weld if a certain weld meeting the criteria is totally inaccessible for examination or in systems with multiple similar design terminal ends (e.g. 12 pipe to safe-end welds in the Reactor Recirculation System) only a sample of terminal ends is selected.

These quidelines are not an exception to the 1974 Edition, Summer 1975 Addenda of the Code; the guidelines were established to provide a more technically based "random" selection.

Response #3c:

Attachment #4 provides a listing of all Code Category B-J welds selected for examination this interval and indicates the potential for relief based on PSI examination results. This is not a formal request for relief. Examination methods and requirements have changed significantly from the PSI Code (1974 Edition, Summer 1975 Addenda) to the ISI Code (1980 Edition, Winter 1981 Addenda) therefore, a quantitative assessment of examination coverage is best obtained during actual performance of the examination. Actual relief requests will be submitted throughout the interval.

Question #4:

Relief Requests 1RR-3 (Unit 1) and 2RR-3 (Unit 2), Class 2 Pressure-Retaining Welds in Piping, Category C-F/C-G:

Even though PP&L is formally asking to update only Paragraphs IWC-1220 and IWC-2411(e) from the 1974 Edition, Summer 1975 Addenda, your ISI submittals indicate that you are in fact requesting to update to the entire C-F requirement of the 1980 Edition, Winter 1980 Addenda (Unit 1), and Winter 1981 Addenda (Unit 2) with some important exceptions regarding the extent of examination.

Included in these requests are welds within the Emergency Core Cooling (ECC) System, the Residual Heat Removal (RHR) System, and the Containment Heat Removal (CHR) System. The regulation (10 CFR 50.55a(b)(2)(iv)(A)) is specific in its requirement that C-F welds in RHR, ECC, and CHR systems be examined to the 1974 Code, Summer 1975 Addenda. The regulation offers the option of using the later Codes for C-F welds outside those systems (10CFR 50.55a(b)(2)(iv)(B)).

(a) You should confirm the use of the 1974 Edition, Summer 1975 Addenda for welds in the RHR, ECC, and CHR systems.

(b) For welds outside these systems, you should inform the staff which Code you intend to use.

(c) If relief for specific welds will be required for any C-F welds, you should submit a revised relief request for the applicable unit.

Response #4a,b:

In accordance with 10CFR50.55a(b)(2)(iv), the extent of examination for Class 2 pipe welds in RHR, ECCS, and CHR systems shall be determined in accordance with the requirements of Paragraph IWC-1220, Table IWC-2520 CF/CG and Paragraph IWC-2411 of the 1974 Edition, Summer 1975 Addenda of ASME Section XI. The extent of examination for Class 2 components outside of these systems may be determined by the above 1974 Edition, Summer 1985 Addenda of the Code references or later adopted Code edition and addenda.

To facilitate preparation/implementation of the ISI Program for Class 2 welds, the extent of examination for all Class 2 welds, both inside and outside of the RHR, ECCS, and CHR systems was determined in accordance with the 1974 Edition, Summer 1975 Addenda of the Code. The selection basis is illustrated for the Core Spray System in Attachment #5.

Response #4c:

Attachment #4 provides a listing of all Class 2 welds selected for examination this interval and indicates the potential for relief based on PSI examination results. This is not a formal request for relief. Examination methods and requirements have been revised significantly from the PSI Code (1974 Edition, Summer 1975 Addenda) to the ISI Code (1980 Edition, Winter 1981 Addenda) therefore, a quantitative assessment of examination coverage is best obtained during actual performance of the examination. Actual relief requests will be submitted throughout the interval.

Question #5:

Relief Request 2RR-5 (Unit 1), Class 1, Full Penetration Welds of Nozzles in Vessels, Category B-D:

In response to a question about a similar request in Unit 1, (Reference 2) i.e. IRR-7, you stated that 50 to 60% of the welds not completely accessible to automated ultrasonic examination could be examined manually. Is this statement equally applicable to 2RR-5 for Unit 2?

Response #5:

The design configuration and physical nozzle locations are similar for both units; therefore similar exam limitations can be expected for Unit 2.

If you have any additional questions or comments please contact us.

Very truly yours,

H. W. Keiser
Vice President - Nuclear Operations

cc: M. J. Campagnone NRC
L. R. Plisco NRC
B. Turovlin NRC
G. Freund SAI

ATTACHMENT #2

8608200231

ISI WELD IDENTIFICATION ISOMETRICS

REFERENCE NUMBER	PP&L DRAWING NUMBER	REVISION*
ISI-DBA-201-1	C-201542	0
ISI-DBA-201-2	C-201543	0
ISI-DBA-202-1	C-201454	0
ISI-DBA-202-2	C-201455	0
ISI-DBA-205-1	C-201456	0
ISI-DBA-208-1	C-201457	0
ISI-DBA-212-1	C-201458	0
ISI-SP-DBA-214-1	C-201459	0
ISI-SP-DBA-215-1	C-201460	0
ISI-SP-DBA-216-1	C-201461	0
ISI-SP-DBA-217-1	C-201462	0
ISI-DBB-201-1	C-201463	0
ISI-DBB-202-1	C-201464	0
ISI-DBB-203-1	C-201465	0
ISI-DBB-204-1	C-201466	0
ISI-DBB-205-1	C-201467	0
ISI-DBB-205-2	C-201468	0
ISI-DBB-207-1	C-201469	0
ISI-DBB-207-2	C-201470	0
ISI-DBB-213-1	C-201471	0
ISI-DBB-213-2	C-201472	0
ISI-DBB-214-1	C-201473	0
ISI-DBB-215-1	C-201474	0
ISI-DBB-217-1	C-201475	0
ISI-DBB-218-1	C-201476	0
ISI-DBB-219-1	C-201477	0
ISI-DBB-220-1	C-201478	0
ISI-DBB-220-2	C-201482	0
ISI-DBB-221-1	C-201483	0
ISI-DBB-221-2	C-201484	0
ISI-DBB-221-3	C-201485	0
ISI-DBB-222-1	C-201563	0
ISI-DBB-222-2	C-201481	0
ISI-DBB-229-1	C-201486	0
ISI-DCA-202-1	C-201487	0
ISI-DCA-202-2	C-201488	0
ISI-DCA-203-1	C-201501	0

*To determine the latest document revision and/or any outstanding document change mechanisms, please reference stairs and/or the configuration control design document management system. (DDMS)

[illegible]

ISI WELD IDENTIFICATION ISOMETRICS

REFERENCE NUMBER	PP&L DRAWING NUMBER	REVISION*
ISI-DCA-207-1	C-201494	0
ISI-DCA-207-2	C-201495	0
ISI-DCA-208-1	C-201496	0
ISI-DCA-209-1	C-201497	0
ISI-DCA-209-2	C-201498	0
ISI-DCA-210-1	C-201499	0
ISI-DCA-210-2	C-201500	0
ISI-DCA-211-1	C-201502	0
ISI-DCA-211-2	C-201503	0
ISI-DCA-211-3	C-201504	0
ISI-DCA-241-1	C-201505	0
ISI-DCA-242-1	C-201506	0
ISI-SP-DCA-202-1	C-199542	0
ISI-SP-DCA-202-2	C-199543	0
ISI-SP-DCA-203-3	C-199564	0
ISI-SP-DCA-206-1	C-201489	0
ISI-SP-DCA-206-2	C-201490	0
ISI-SP-DCA-206-3	C-201491	0
ISI-SP-DCA-206-4	C-201492	0
ISI-SP-DCA-206-5	C-201493	0
ISI-DCB-202-1	C-201507	0
ISI-DLA-201-1	C-201508	0
ISI-DLA-202-1	C-201509	0
ISI-DLA-203-1	C-201510	0
ISI-DLA-204-1	C-201511	0
ISI-EBB-202-1	C-201512	0
ISI-EBB-203-1	C-201513	0
ISI-GBB-201-1	C-201514	0
ISI-GBB-201-2	C-201515	0
ISI-GBB-201-3	C-201516	0
ISI-GBB-201-4	C-201517	0
ISI-GBB-203-1	C-201518	0
ISI-GBB-203-2	C-201519	0
ISI-GBB-204-1	C-201520	0
ISI-GBB-204-2	C-201521	0
ISI-GBB-204-3	C-201522	0
ISI-GBB-204-4	C-201523	0

*To determine the latest document revision and/or any outstanding document change mechanisms, please reference stairs and/or the configuration control design document management system. (DDMS)

ISI WELD IDENTIFICATION ISOMETRICS

REFERENCE NUMBER	PP&L DRAWING NUMBER	REVISION*
ISI-GBB-205-1	C-201524	0
ISI-GBB-205-2	C-201525	0
ISI-GBB-206-1	C-201526	0
ISI-GBB-206-2	C-201527	0
ISI-GBB-207-1	C-201528	0
ISI-GBB-207-2	C-201529	0
ISI-GBB-208-1	C-201530	0
ISI-GBB-209-1	C-201531	0
ISI-GBB-209-2	C-201532	0
ISI-GBB-212-1	C-201533	0
ISI-GBB-212-2	C-201534	0
ISI-GBB-213-1	C-201535	0
ISI-GBB-215-1	C-199562	0
ISI-GBB-216-1	C-201536	0
ISI-GBB-216-2	C-201537	0
ISI-GBB-217-1	C-201538	0
ISI-GBB-219-1	C-201539	0
ISI-GBB-219-2	C-201540	0
ISI-GBB-231-1	C-201541	0
ISI-HBB-201-1	C-201542	0
ISI-HBB-201-2	C-201543	0
ISI-HBB-204-1	C-201544	0
ISI-HBB-204-2	C-201545	0
ISI-HBB-207-1	C-201546	0
ISI-HBB-208-1	C-201547	0
ISI-HBB-208-2	C-201548	0
ISI-HBB-209-1	C-201549	0
ISI-HBB-210-1	C-201550	0
ISI-HBB-210-2	C-199535	0
ISI-HBB-210-3	C-199536	0
ISI-HBB-210-4	C-199537	0
ISI-HBB-211-2	C-201431	0
ISI-HBB-220-1	C-199539	0
ISI-HBB-220-2	C-199540	0
ISI-HBB-220-3	C-201480	0
ISI-HBB-247-1	C-199541	0
ISI-HBD-285-1	C-199544	0

*To determine the latest document revision and/or any outstanding document change mechanisms, please reference stairs and/or the configuration control design document management system. (DDMS)

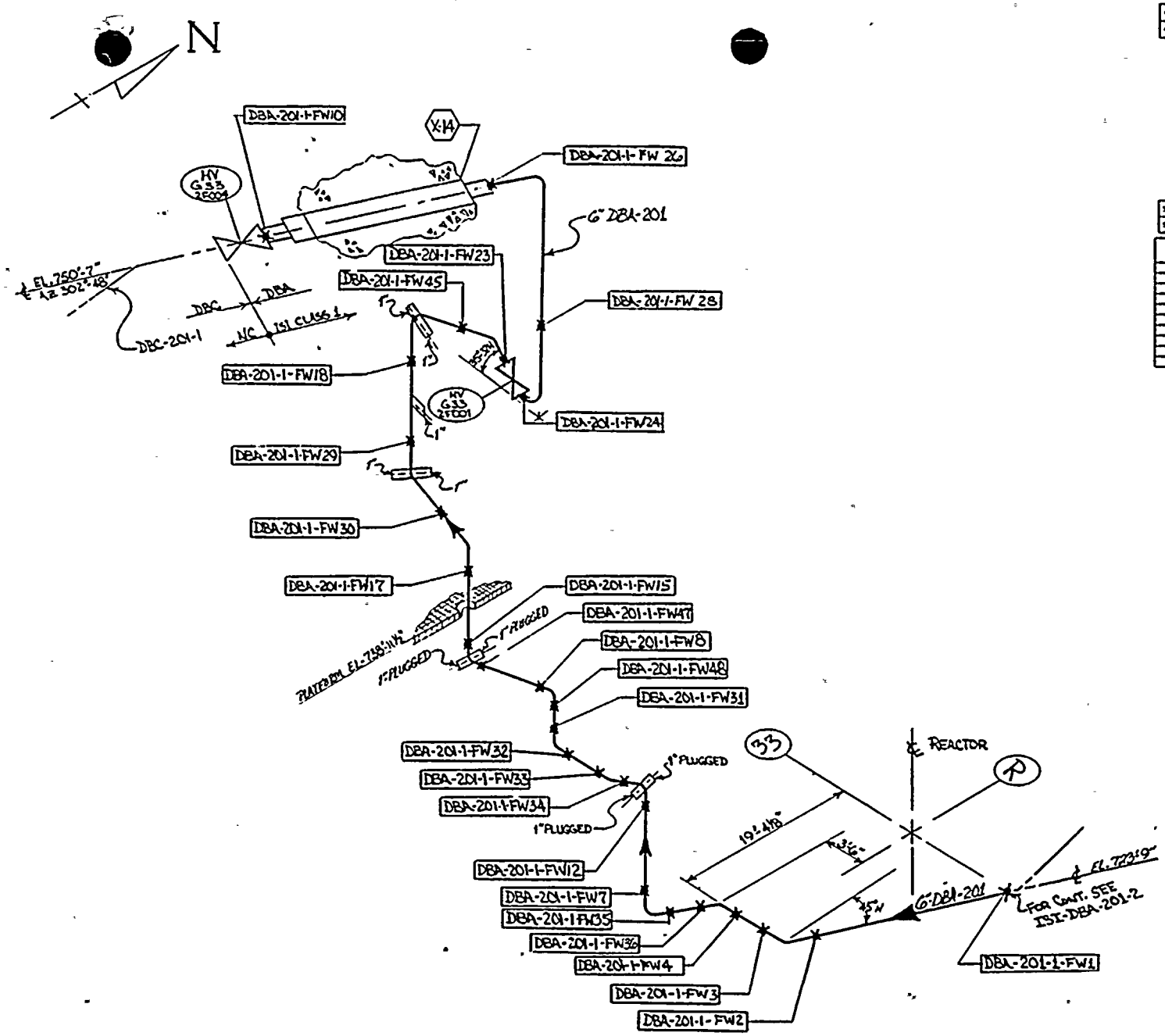
ISI WELD IDENTIFICATION ISOMETRICS

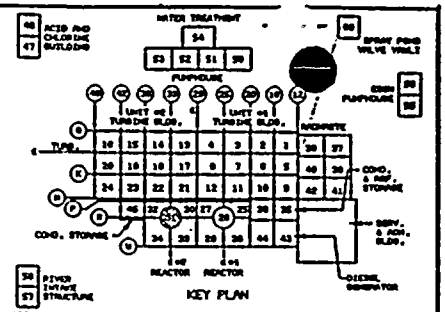
REFERENCE NUMBER	PP&L DRAWING NUMBER	REVISION*
ISI-HBD-285-2	C-199545	0
ISI-HBD-286-1	C-199546	0
ISI-VBB-201-1	C-199547	0
ISI-VBB-202-1	C-199548	0
ISI-VBB-202-2	C-199549	0
ISI-VNB-B21-3	C-199550	0
ISI-VNB-B21-4	C-199551	0
ISI-VRR-B31-3	C-199552	0
ISI-VRR-B31-4	C-199553	0

dk/a25i:ncr

*To determine the latest document revision and/or any outstanding document change mechanisms, please reference stairs and/or the configuration control design document management system. (DDMS)

DRY-SOFT 9





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	AUXILIARY BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	691'-9"	695'-9"	695'-9"	699'-9"		
2	679'-9"	679'-9"	690'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	692'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	719'-9"	719'-9"	691'-9"		739'-11½"	714'-9"
5	739'-9"	749'-1"			752'-7½"	739'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		810'-1"				754'-9"
12					781'-1"	771'-9"
14					899'-9"	792'-9"
19		799'-1"				809'-9"

DBA-201-(REV.-5)	
M-2144 (RWCU)	E-105944
M-31-3	E-106181 SH.3
M-31-4	E-106181 SH.4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-DBA-201-1

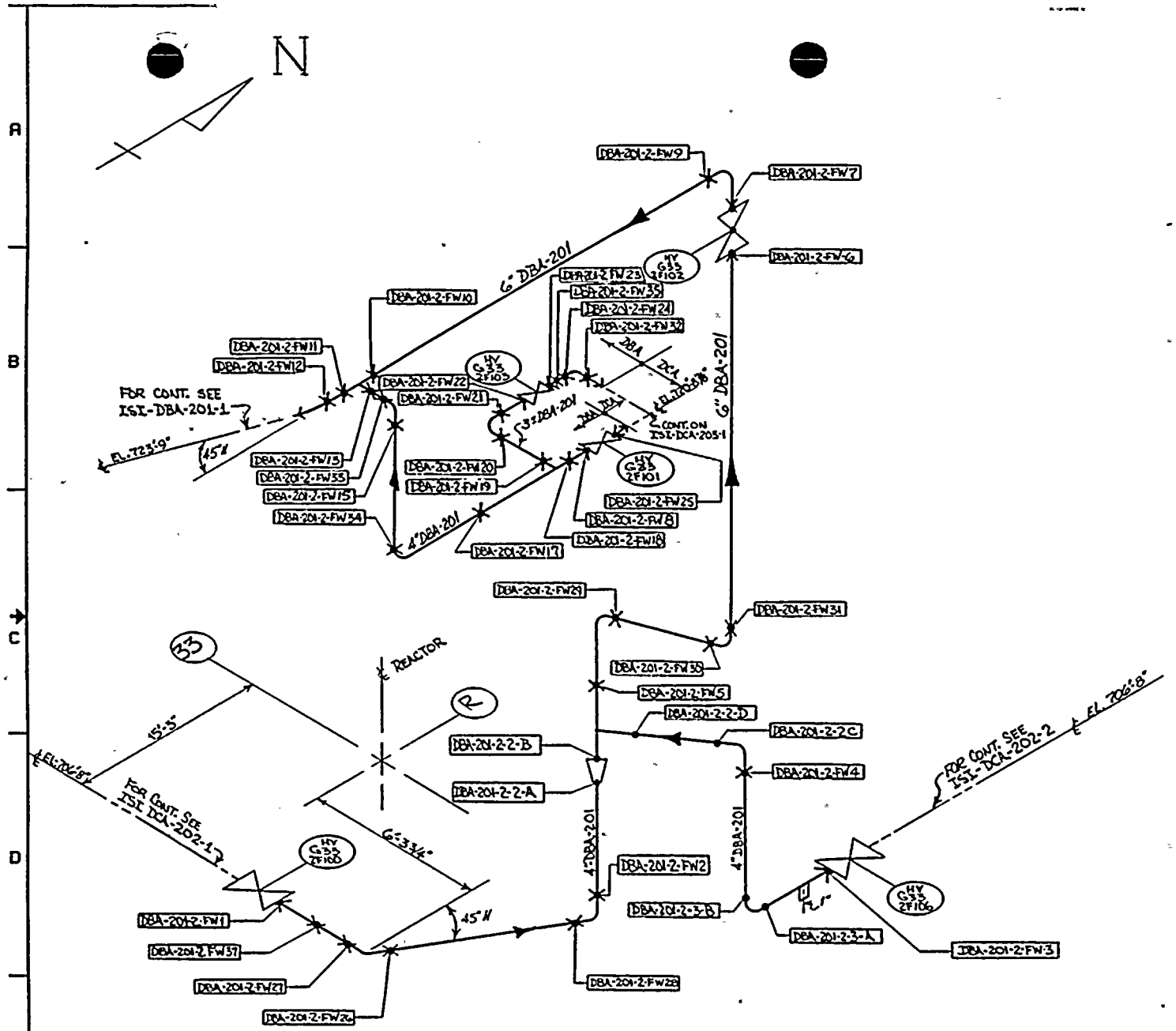
AREA-31 | ELEV.-719'-1 | SCALE- NONE

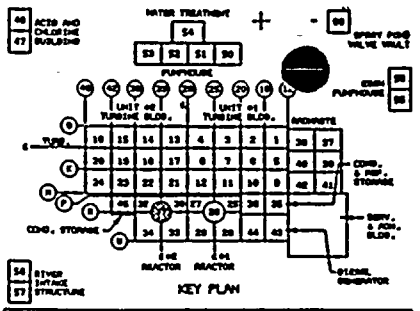
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201452 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBA-201-1

FRACTIONAL | DECIMAL | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	668'-9"	645'-9"	698'-9"	698'-9"		
2	679'-9"	679'-9"	698'-9"	677'-9"	694'-9"	678'-9"
3	698'-9"	693'-9"	679'-9"	719'-9"	719'-1"	698'-9"
4	719'-9"	719'-9"	691'-9"		738'-11 1/2"	719'-9"
5	732'-9"	749'-1"			752'-2 1/2"	732'-9"
6	754'-9"	779'-1"			779'-1"	754'-9"
7		819'-1"				754'-9"
12					781'-1"	771'-9"
14					808'-9"	792'-9"
19		799'-1"				808'-9"

DBA-201-2 (REV 0)	
M-2144 (RWCU)	E-105944
M-31-2	E-106181 SH. 2
M-31-3	E-106181 SH. 3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RC	PD	TJS	3/6/79

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-DBA-201-2

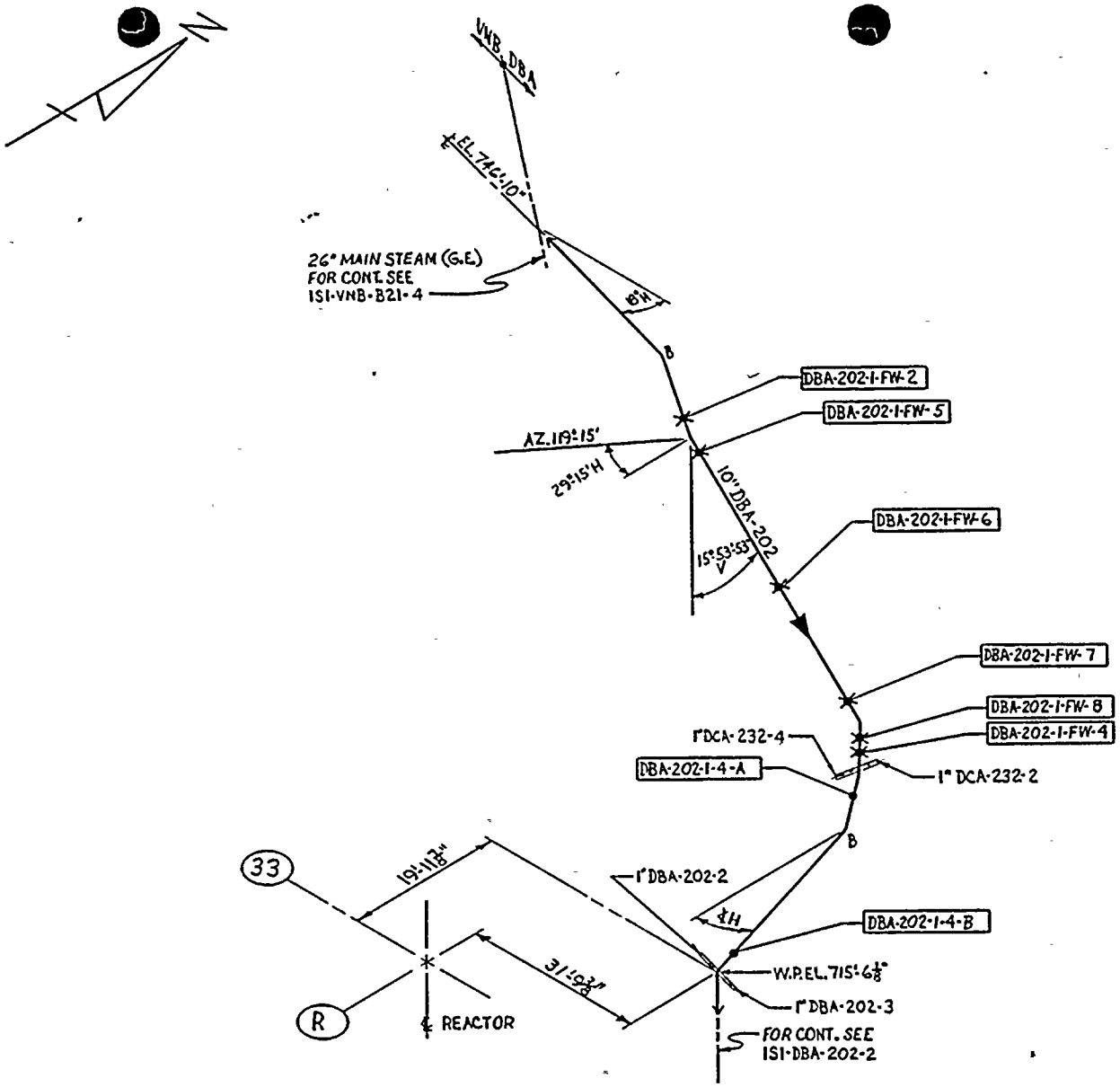
AREA - 31 | ELEV. 704'-0" | SCALE - NONE

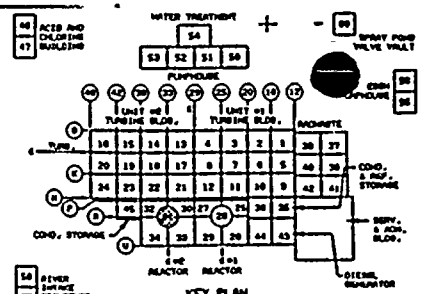
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201453 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBA-201-2

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	958'-0"	695'-0"	844'-0"	999'-0"		
2	879'-0"	679'-0"	999'-0"	877'-0"	754'-0"	676'-0"
3	899'-0"	697'-0"	679'-0"	719'-0"	712'-1"	698'-0"
4	723'-0"	719'-0"	681'-0"		728'-11 1/2"	714'-0"
5	752'-0"	749'-1"			752'-2 1/2"	732'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	781'-0"
19		799'-1"				828'-0"

DBA-202-1 (REV. 4)	
M-2141 NCLR. BLR.	E-105941
M-2155 HPCI	E-105955
M-31-2	E-106181 SH.2
M-31-3	E-106181 SH.3
M-31-4	E-106181 SH.4
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-DBA-202-1

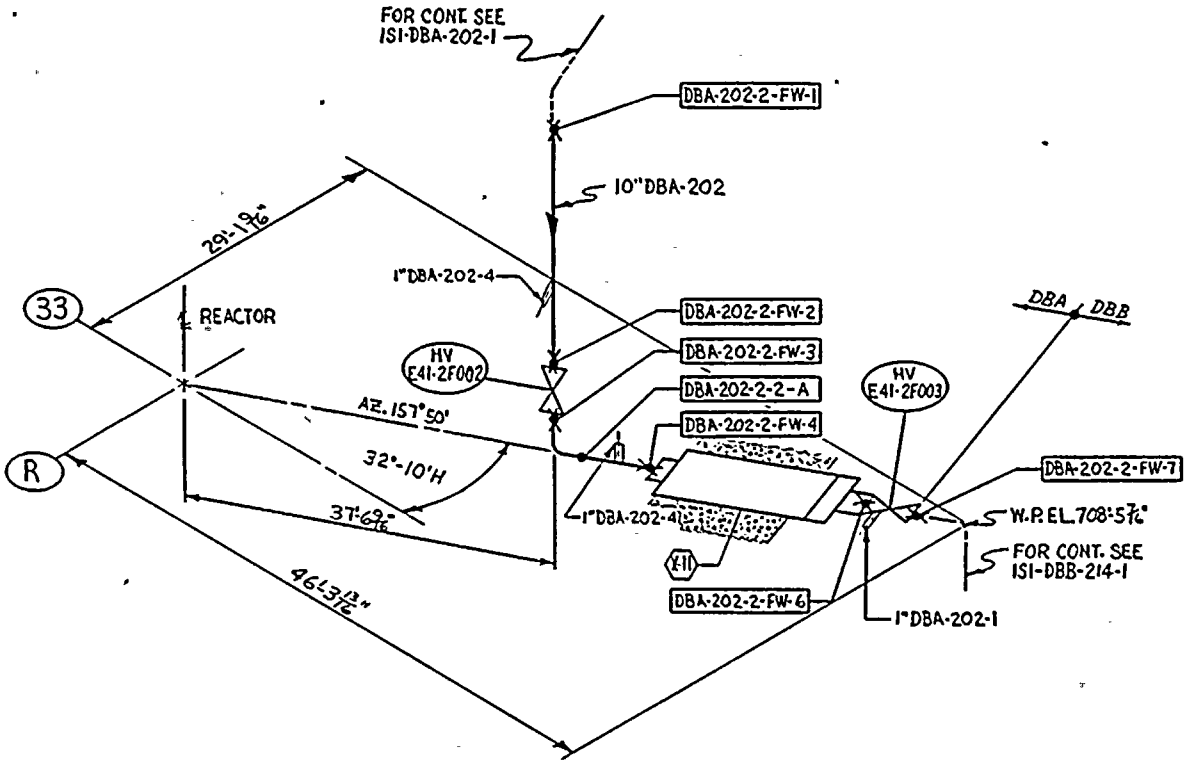
AREA 31 | ELEV. 704'-0" | SCALE- NONE

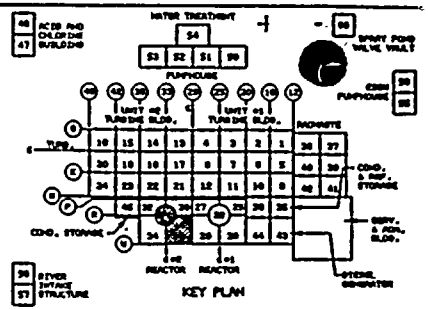
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201454 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBA-202-1

FRACTIONAL DECIMAL G 2 Z 2 0 LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	599'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	701'-0"	676'-0"
3	699'-0"	697'-0"	676'-0"	718'-0"	718'-1"	698'-0"
4	720'-0"	718'-0"	693'-0"		738'-11 1/2"	714'-0"
5	742'-0"	749'-1"			752'-2 1/2"	728'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					818'-0"	792'-0"
16		798'-1"				818'-0"

M-2141 NCLR. BLR.	E-105941
M-2155 HPCI	E-105955
M-31-2	E-106181 SH.2
M-33-3	E-106183 SH.3
DBA-202-2 (REV-3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-DBA-202-2

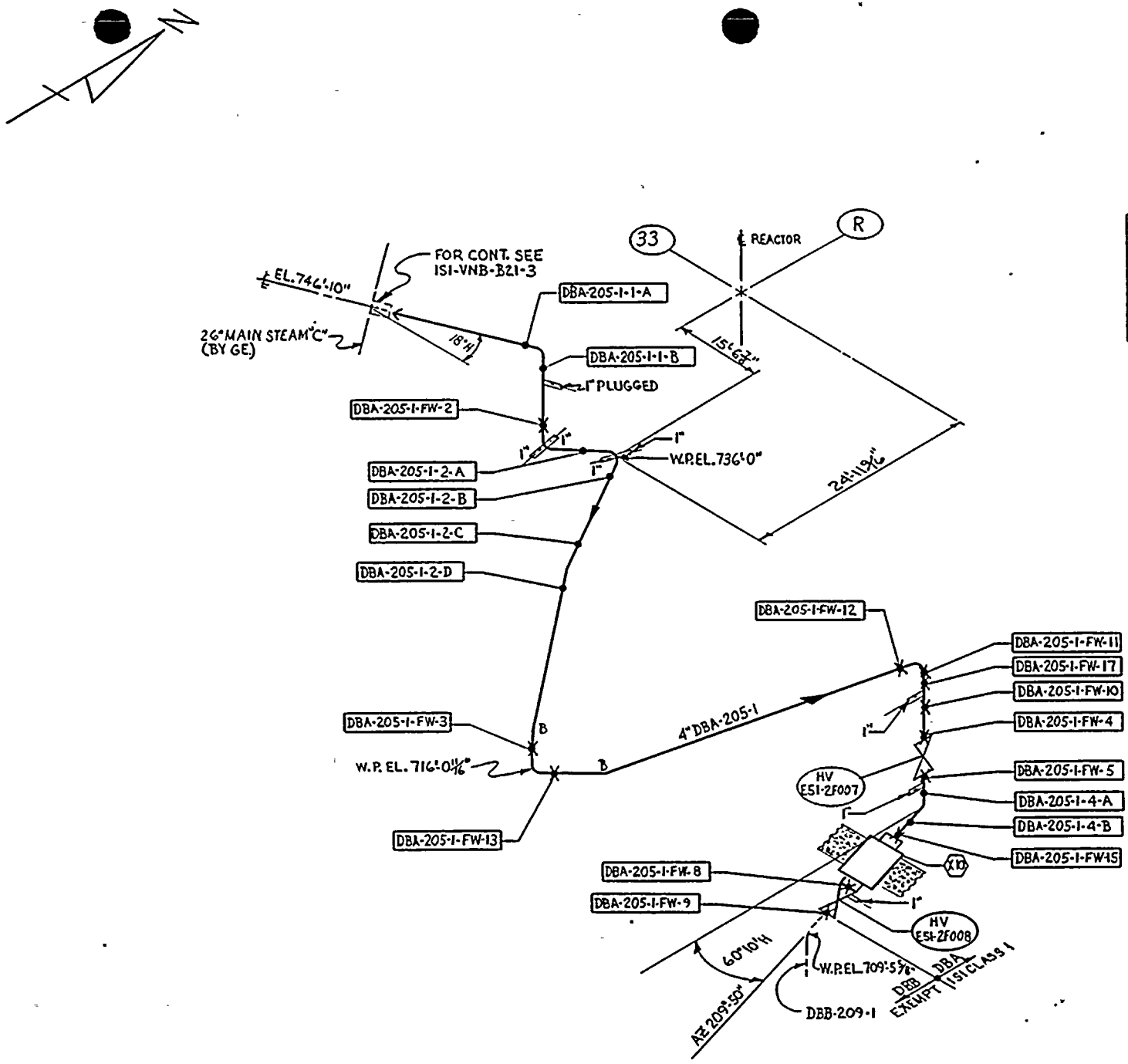
AREA 31&33 | ELEV. 683'-0" | SCALE- NONE

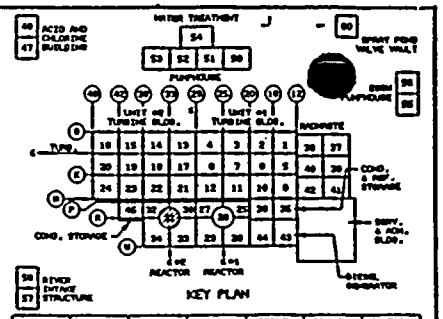
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201455 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBA-202-2

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

DBA-205-1 (REV. 4)	
M-2141 NCLR. BLR.	E-105941
M-2149 RCIC	E-105949
M-31-2	E-106181 SH. 2
M-31-3	E-106181 SH. 3
M-31-4	E-106181 SH. 4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-DBA-205-1

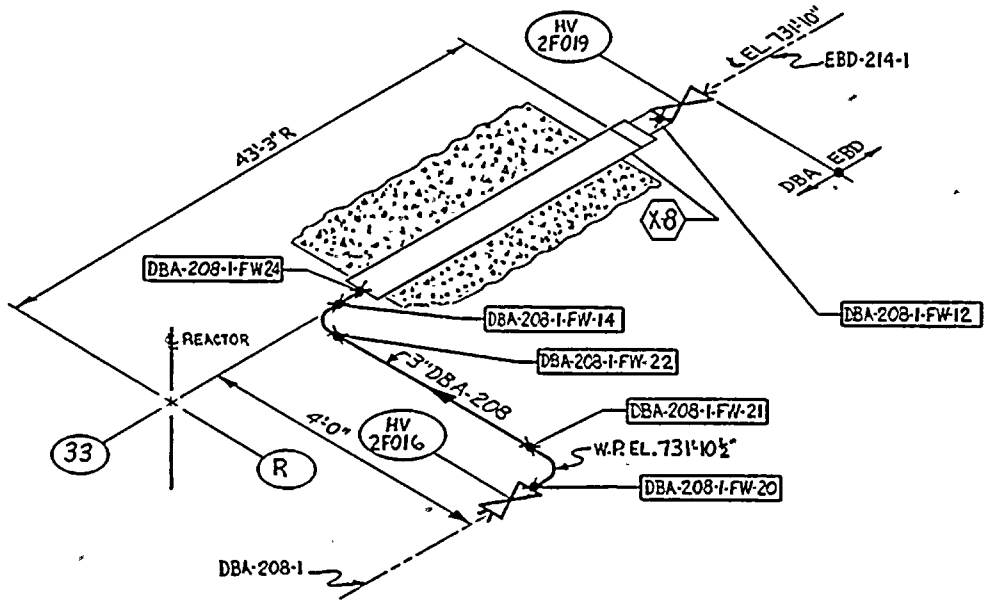
AREA 31 | ELEV. 704'-0" | SCALE- NONE

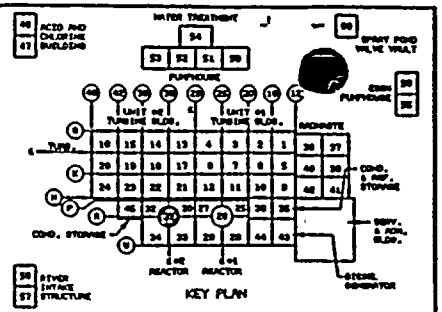
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201456 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBA-205-1

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	959'-9"	945'-9"	949'-9"	999'-9"		
2	879'-9"	879'-9"	899'-9"	877'-9"	793'-9"	879'-9"
3	999'-9"	997'-9"	879'-9"	718'-9"	718'-1"	999'-9"
4	729'-9"	719'-9"	891'-9"		738'-11½"	719'-9"
5	795'-9"	749'-1"			732'-2½"	728'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					793'-1"	771'-9"
14					808'-9"	793'-9"
19		799'-1"				808'-9"

NOTE: FOR AUGMENTED INSPECTION ONLY

DBA-208-1 (REV.1)	
M-2141 NCLR.BLR.	E-105941
M-31-3	E-106181 SH.3
M-31-7	E-106181 SH.7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBA-208-1

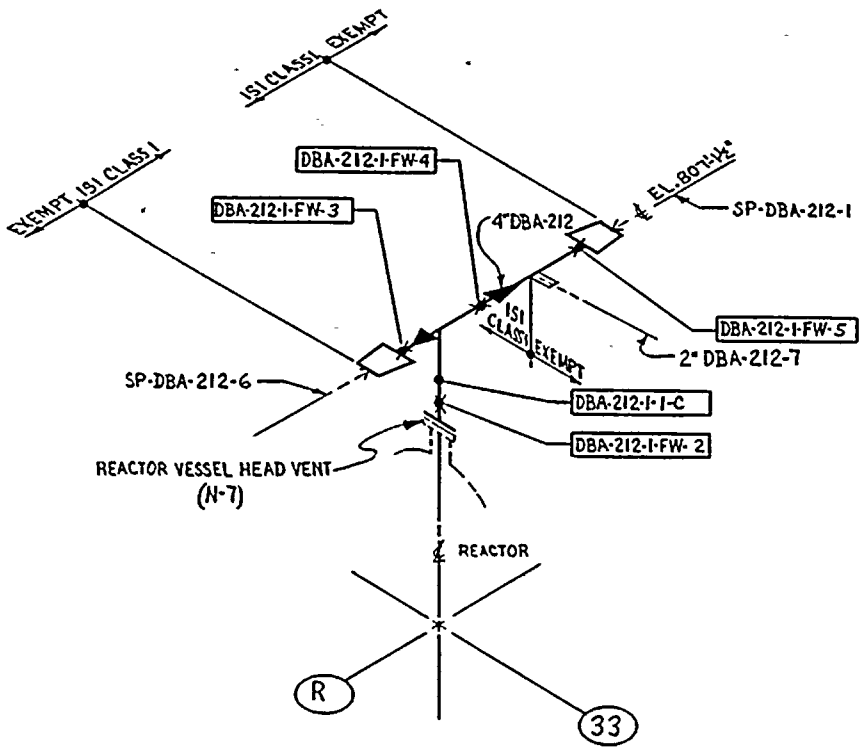
AREA 31 | ELEV. 719'-1" | SCALE- NONE

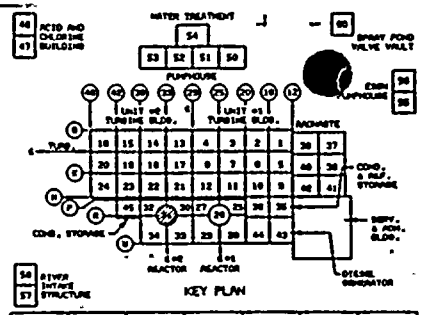
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201457 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBA-208-1

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	659'-0"	645'-0"	645'-0"	660'-0"		
2	676'-0"	676'-0"	660'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	697'-0"	679'-0"	719'-0"	718'-1"	699'-0"
4	720'-0"	718'-0"	691'-0"		738'-11½"	719'-0"
5	742'-0"	744'-1"			752'-7½"	722'-0"
6	764'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					792'-1"	771'-0"
14					809'-0"	793'-0"
16		779'-1"				809'-0"

M-2141 NCLR. BLR.	E-105941
M-31-14	E-106181 SH.14
DBA-212-1 (REV.5)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBA-212-1

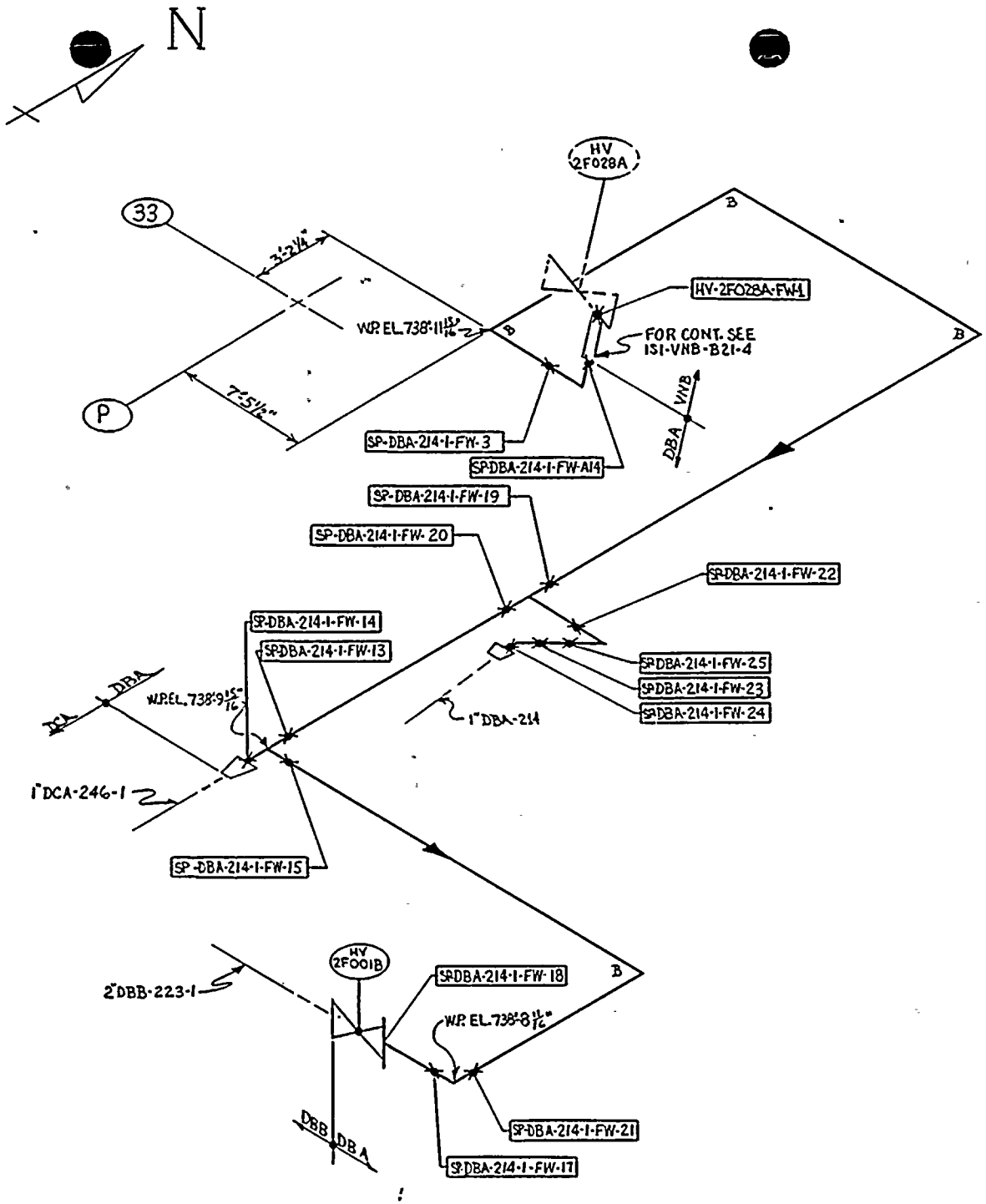
AREA 31 | ELEV. 806'-0" | SCALE- NONE

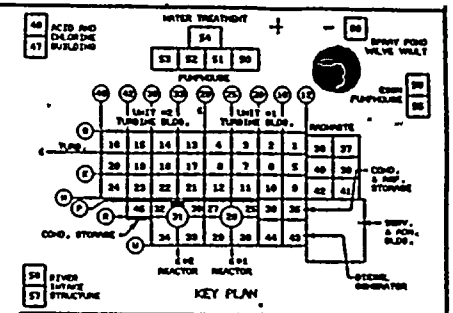
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201458 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBA-212-1

FRACTIONAL DECIMAL G 2 Z 2 0 LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	664'-9"	645'-9"	646'-9"	655'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	694'-9"	697'-9"	679'-9"	718'-9"	719'-1"	699'-9"
4	729'-9"	719'-9"	691'-9"		728'-11 1/2"	719'-9"
5	752'-9"	749'-1"			752'-2 1/2"	729'-9"
6	774'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					787'-1"	771'-9"
14					809'-9"	787'-9"
18		799'-1"				809'-9"

NOTE: FOR AUGMENTED INSPECTION ONLY

SP-DBA-214-1(P&S)	
M-2139 (MSIV LCS)	E-162773
M-2141 (Nuclear Boiler)	E-105941
SP-31-7	E-162279 SH.7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RQ	TJ	DJ Wagner	7/26/82

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-SP-DBA-214-1

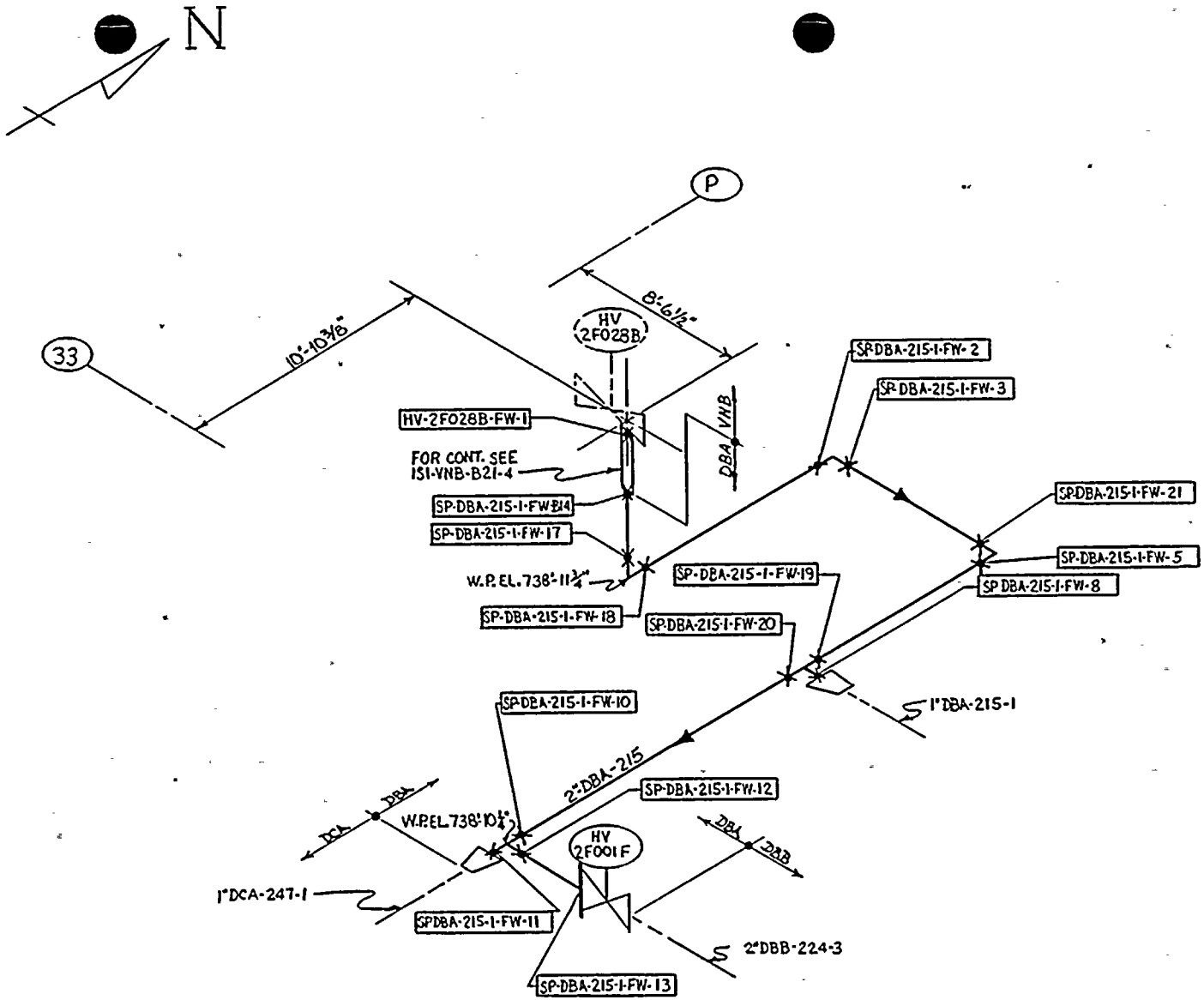
AREA - 31T | ELEV. 719'-1" | SCALE - NONE

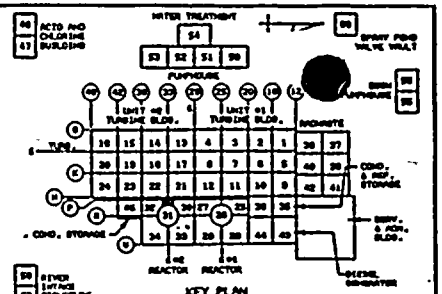
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201459 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-SP-DBA-214-1

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | M | SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	754'-9"	749'-9"	749'-9"	749'-9"		
2	779'-9"	779'-9"	779'-9"	777'-9"	754'-9"	779'-9"
3	799'-9"	792'-9"	779'-9"	754'-9"	779'-1"	799'-9"
4	729'-9"	719'-9"	799'-9"		779'-11 1/2"	719'-9"
5	792'-9"	749'-1"			792'-7 1/2"	729'-9"
6	719'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					792'-1"	771'-9"
14					818'-9"	792'-9"
19		799'-1"				818'-9"

NOTE: FOR AUGMENTED INSPECTION ONLY

SP-DBA-215-1 (REV. 0)	
M-2139 (MSIV LCS.)	E-162773
M-2141 (NCLR. BLR.)	E-105941
SP-31-7	E-1662279 SH-7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-SP-DBA-215-1

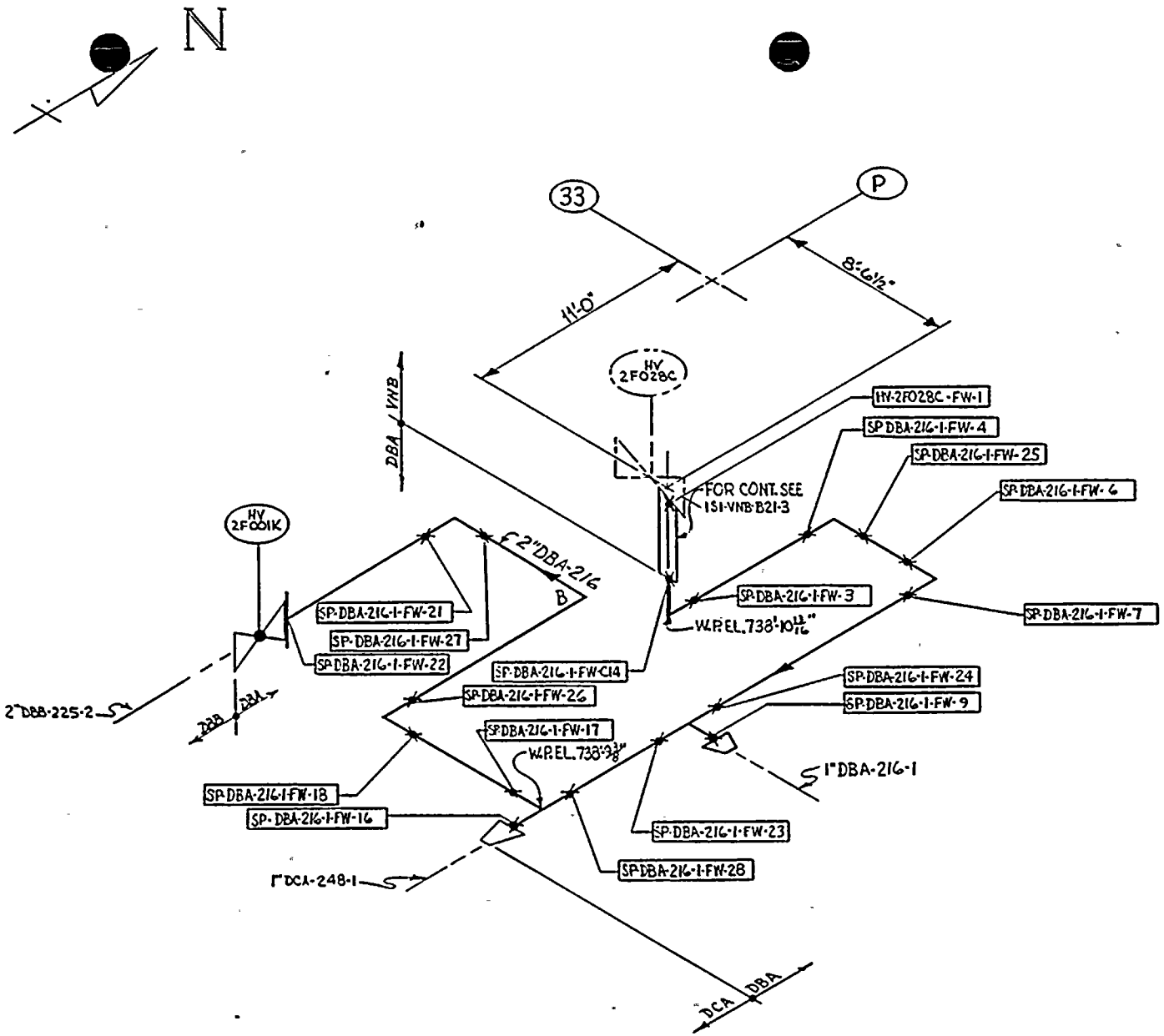
AREA-31 T | ELEV. 719'-1" | SCALE- NONE

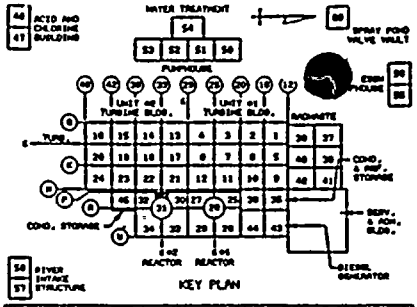
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201460 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-SP-DBA-215-1

FRACTIONAL DECIMAL G 2 2 2 0 G G G G M LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	694'-0"	695'-0"	695'-0"	694'-0"		
2	676'-0"	676'-0"	699'-0"	677'-0"	700'-0"	676'-0"
3	698'-0"	693'-0"	676'-0"	716'-0"	718'-1"	698'-0"
4	720'-0"	719'-0"	691'-0"		738'-11 1/16"	714'-0"
5	732'-0"	749'-1"			754'-1 1/2"	732'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		810'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	792'-0"
19		798'-1"				809'-0"

NOTE: FOR AUGMENTED INSPECTION ONLY

SP-DBA-216-1 (Rev 14)	
M-2139 (NSIV. L.C.S.)	E-162773
M-2141 (NUCLEAR BOILER)	E-105941
SP-31-7	E-162279 SH.7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT-2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-SP-DBA-216-1

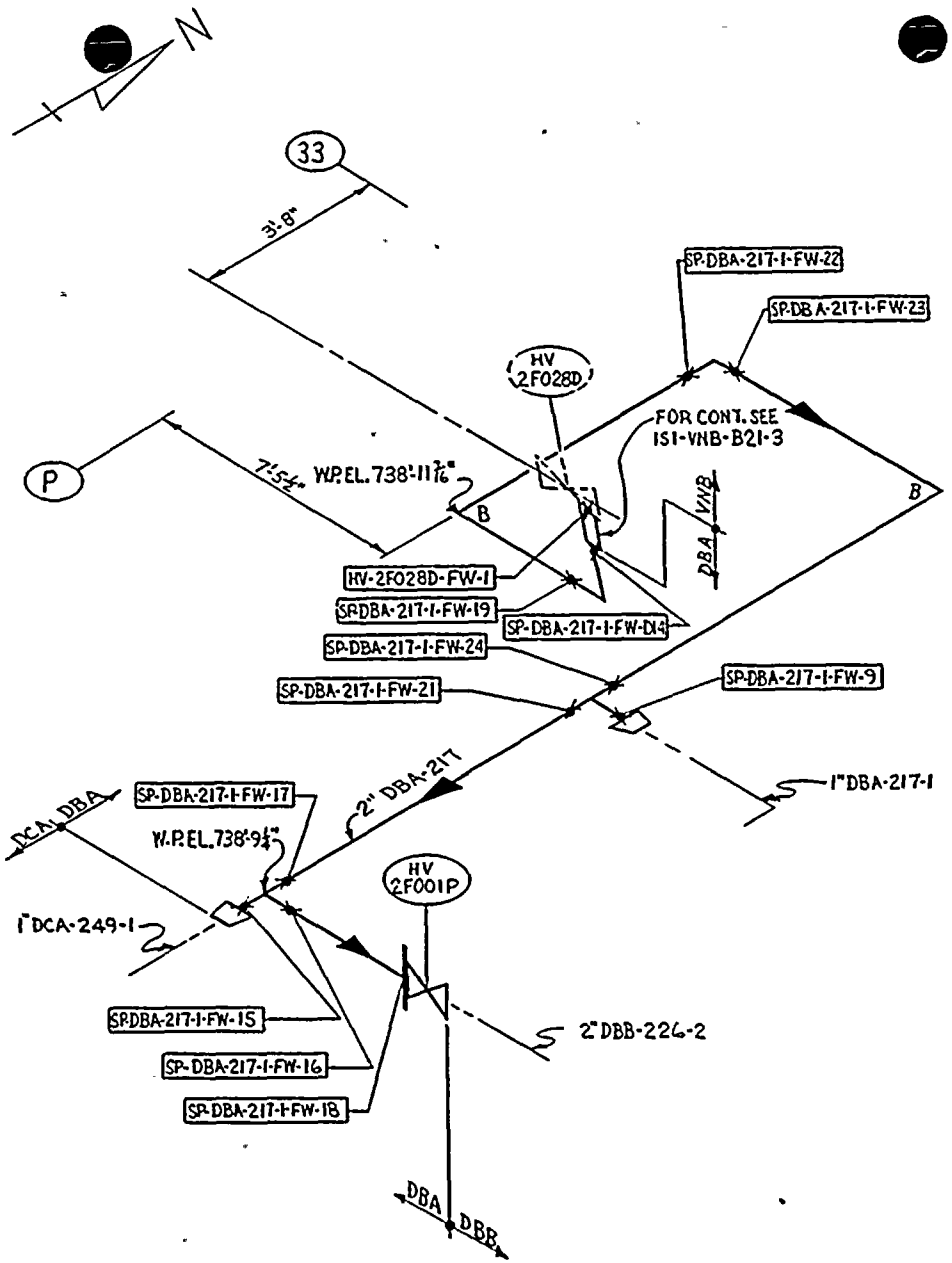
AREA-31T | ELEV: 719'-1" | SCALE- NONE

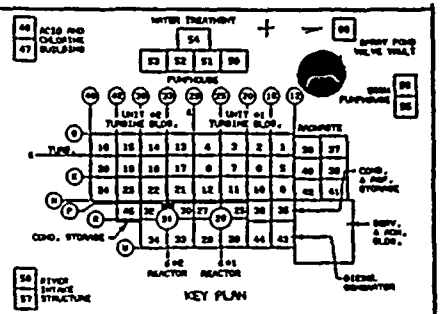
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201461 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-SP-DBA-216-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	676'-9"	695'-9"	694'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	718'-9"	719'-1"	695'-9"
4	729'-9"	719'-9"	695'-9"		738'-11 1/16"	719'-9"
5	753'-9"	749'-1"			753'-7 1/16"	729'-9"
6	715'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
11					783'-1"	771'-9"
14					808'-9"	783'-9"
19		799'-1"				808'-9"

NOTE: FOR AUGMENTED INSPECTION ONLY

SP-DBA-217-1 (REV. 16)	
M-2139 (MS.LY. L.C.S.)	E-162773
M-2141 (NCLR. BLR.)	E-105941
SP-31-7	E-142279 SH.7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION

ISI-SP-DBA-217-1

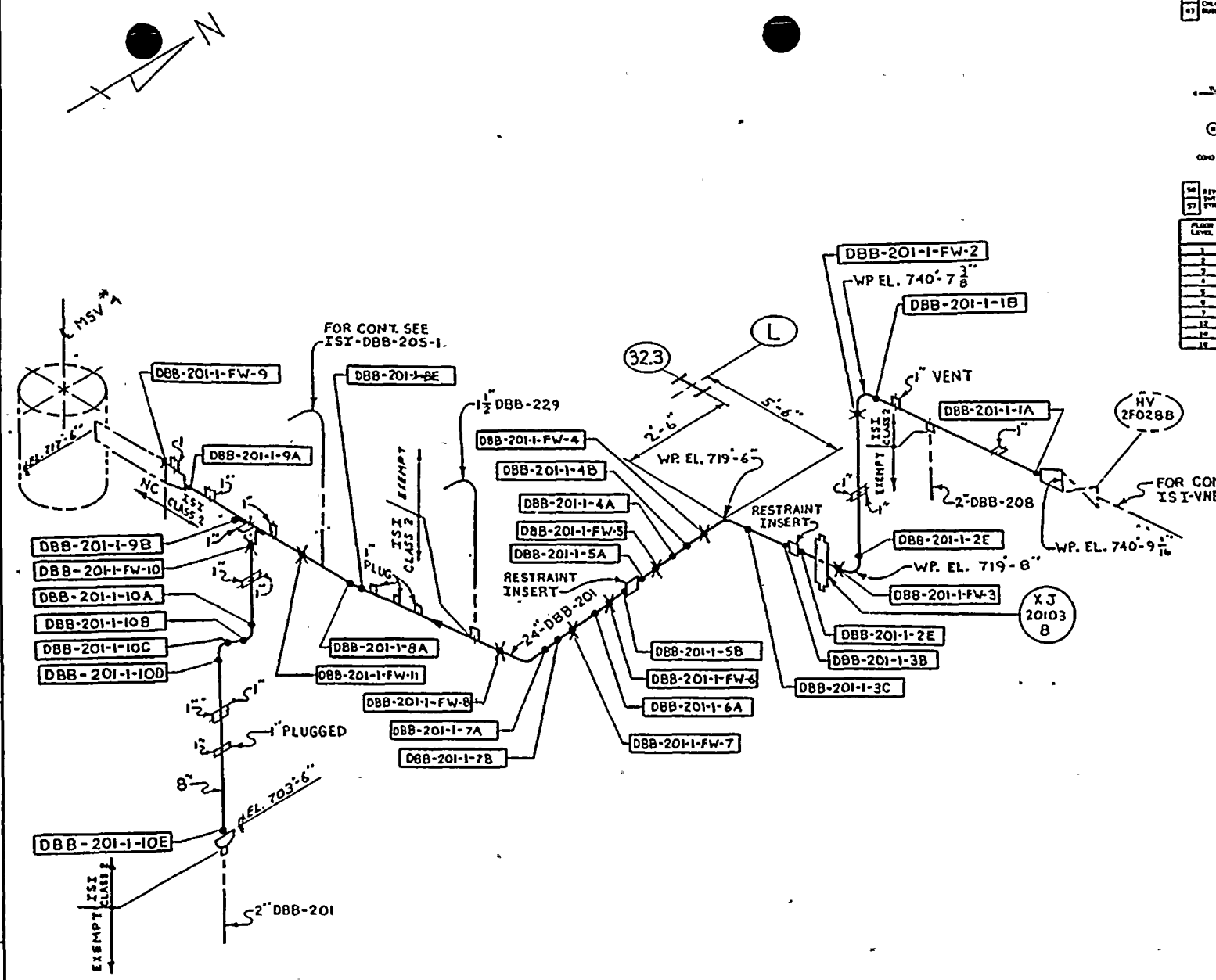
AREA 31T | ELEV. 719'-1" | SCALE- NONE

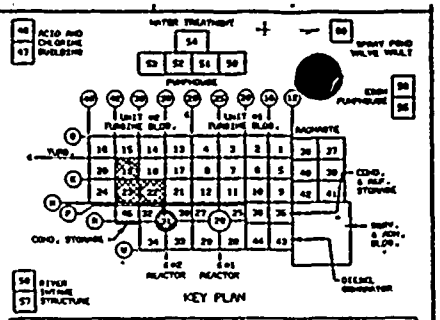
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201462	1	0

AE DRAWING NO. ISI-SP-DBA-217-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPENT FUEL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	595'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	599'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	729'-0"	719'-0"	691'-0"		729'-11 1/16"	719'-0"
5	742'-0"	740'-1"			729'-11 1/16"	729'-0"
6	754'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					781'-1"	771'-0"
14					799'-0"	787'-0"
18		799'-1"				799'-0"

DBB-201-1/R 7	
M-2101 MAIN STEAM	E-105901
M-2141 NUC. BOILER	E-105941
M-19-3	E-106169-3
M-22-6	E-106172-6
M-23-6	E-106173-6
M-31-4	E-106181-4
M-31-7	E-106181-7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-201-1

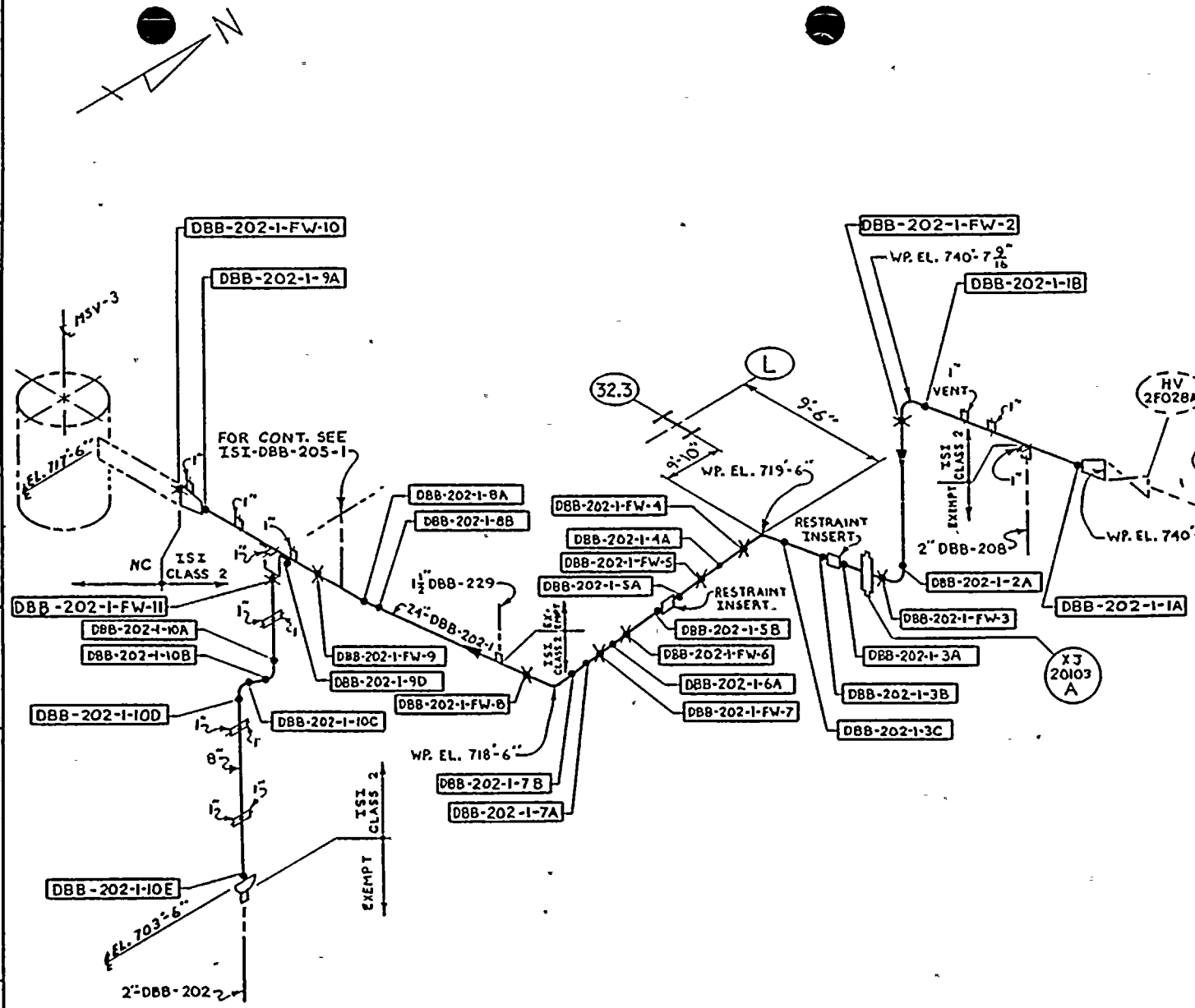
AREAS 19,27,28,31 | ELEV. 738' | SCALE- NONE

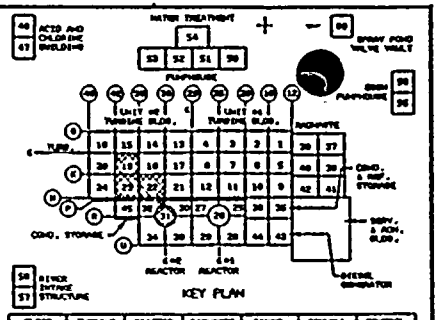
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201463 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-201-1

FRACTIONAL | DECIMAL | G2220 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SERVICE REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
18		[illegible]				[illegible]

DBB-202-1/R.7	
M-2101 MAIN STEAM	E-105901
M-2141 NUC. BOILER	E-105941
M-19-3	E-106169-3
M-22-6	E-106172-6
M-23-6	E-106173-6
M-31-4	E-106181-4
M-31-7	E-106181-7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-202-1

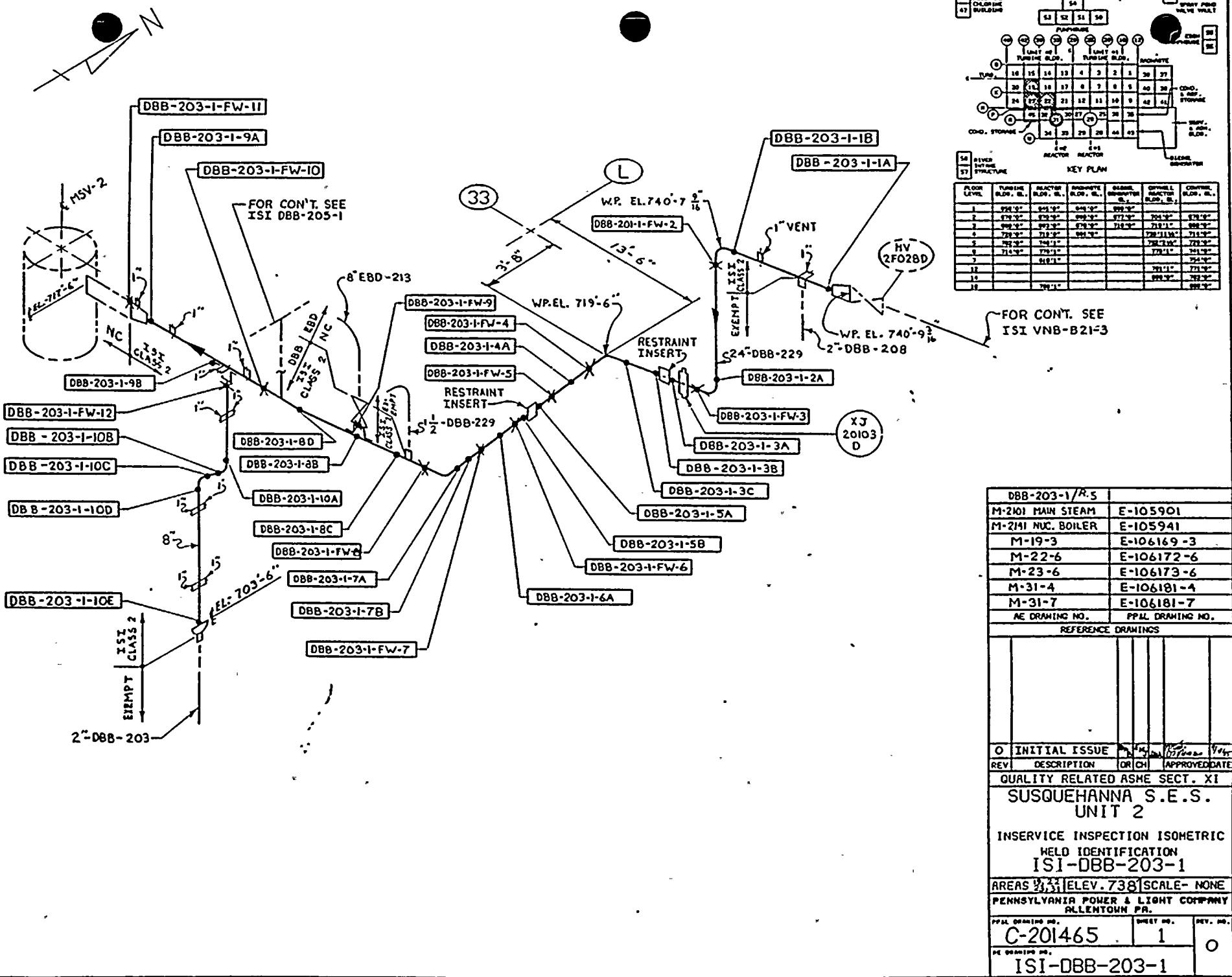
AREAS 27,33 | ELEV. 738' | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201464 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-202-1

FRACTIONAL DECIMAL LOCATION CODES SORTS



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CONTAINMENT REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	558'-0"	565'-0"	565'-0"	559'-0"		
2	579'-0"	579'-0"	599'-0"	577'-0"	704'-0"	679'-0"
3	599'-0"	593'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	719'-0"	719'-0"	699'-0"		738'-11 1/4"	719'-0"
5	739'-0"	739'-1"			758'-3 1/4"	739'-0"
6	759'-0"	779'-1"			779'-1"	759'-0"
7		818'-1"				759'-0"
12					791'-1"	779'-0"
15					819'-0"	799'-0"
18		799'-1"				819'-0"

DBB-203-1/R.5	
M-2101 MAIN STEAM	E-105901
M-2141 NUC. BOILER	E-105941
M-19-3	E-106169-3
M-22-6	E-106172-6
M-23-6	E-106173-6
M-31-4	E-106181-4
M-31-7	E-106181-7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	OR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-DBB-203-1

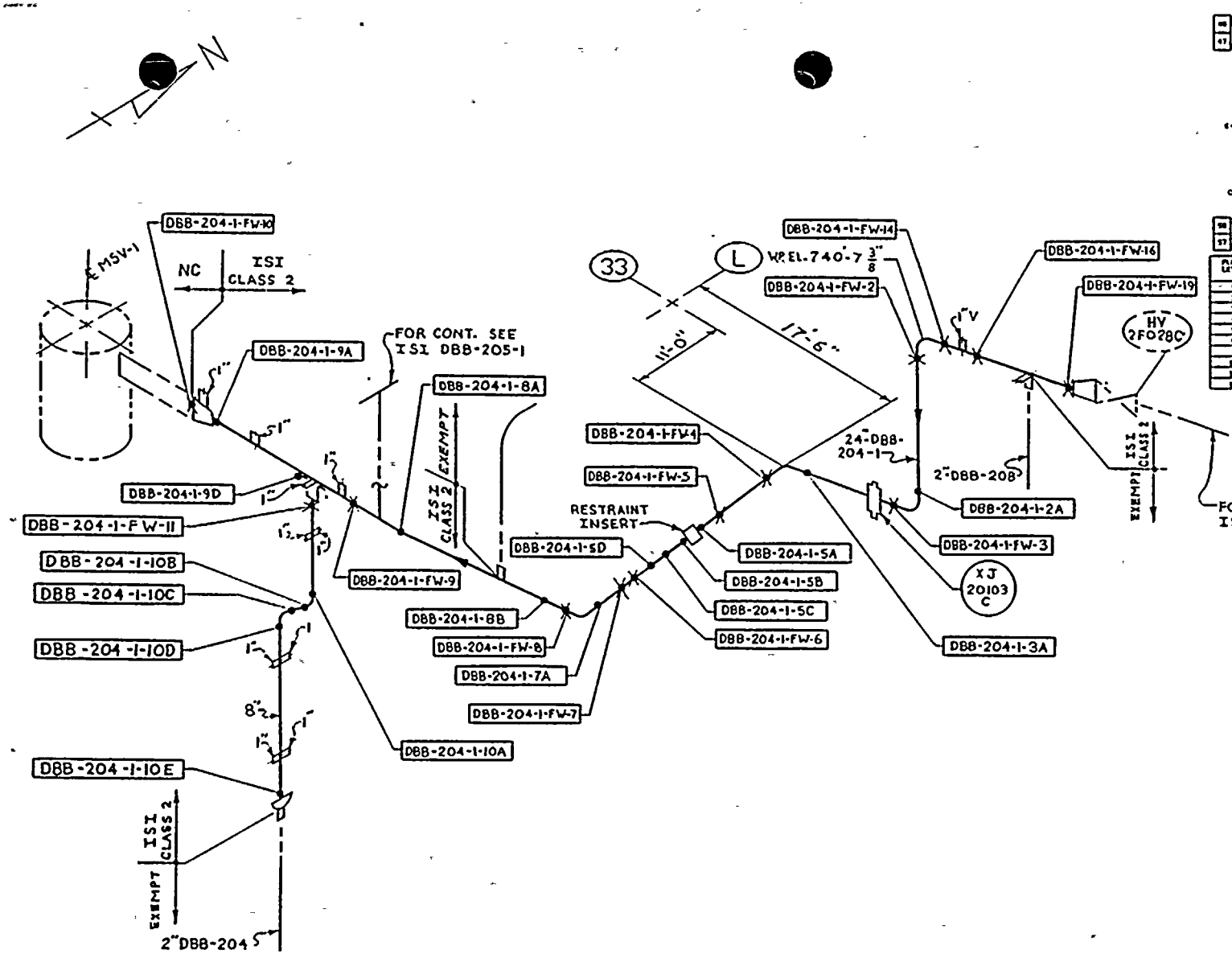
AREAS 21,22,23,31 | ELEV. 738 | SCALE- NONE

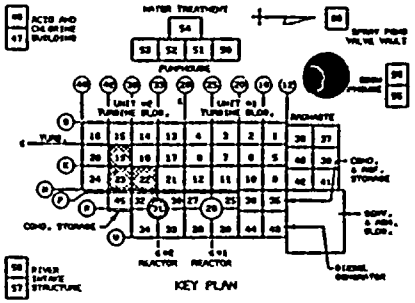
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201465 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-203-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	664'-9"	695'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	701'-9"	679'-9"
3	699'-9"	699'-9"	679'-9"	718'-9"	719'-1"	699'-9"
4	719'-9"	719'-9"	691'-9"		730'-11 1/2"	719'-9"
5	739'-9"	739'-1"			752'-3 1/2"	739'-9"
6	759'-9"	759'-1"			759'-1"	759'-9"
7		779'-1"				759'-9"
8		799'-1"				779'-9"
9					799'-1"	799'-9"
10		799'-1"			819'-9"	799'-9"

DBB-204-1/R7	
M-2101 MAIN STEAM	E-105901
M-2141 NUC. BOILER	E-105941
M-19-3	E-106169-3
M-22-6	E-106172-6
M-23-6	E-106173-6
M-31-4	E-106181-4
M-31-7	E-106181-7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-204-1

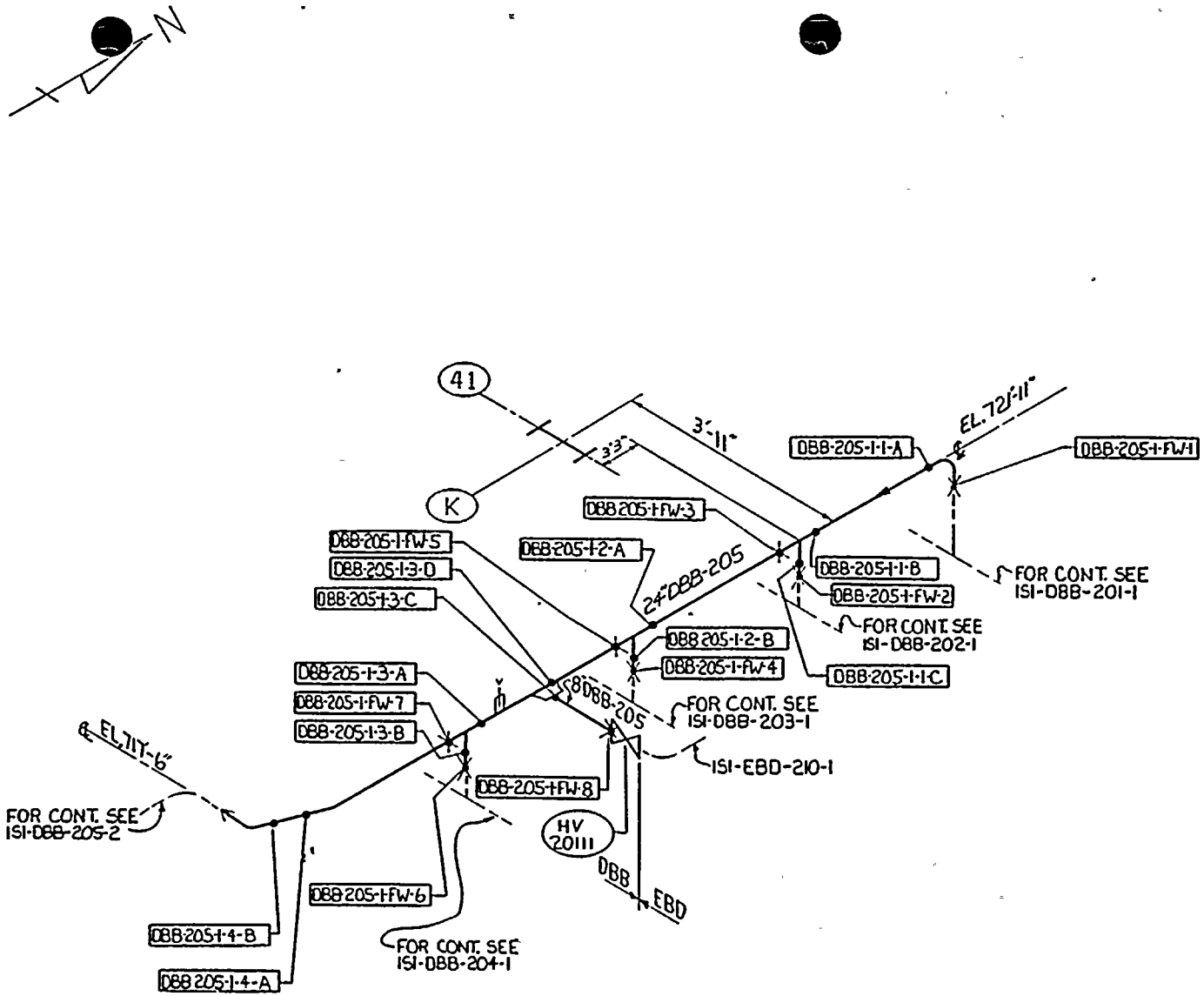
AREAS 19, 22, 25, 31 | ELEV. 738 | SCALE- NONE

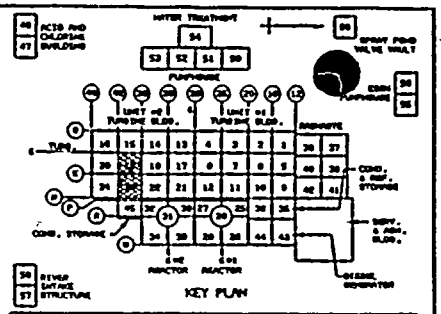
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201466	1	0

AE DRAWING NO.
ISI-DBB-204-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

DBB-205-1 (REV 4)	
M-2101 MAIN STEAM	E105901
M-19-3	E106169 SHT. 3
M-23-6	E106173 SHT. 6
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-205-1

AREA 19&23 | ELEV. 714'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201467 | SHEET NO. 1 | REV. NO. 0

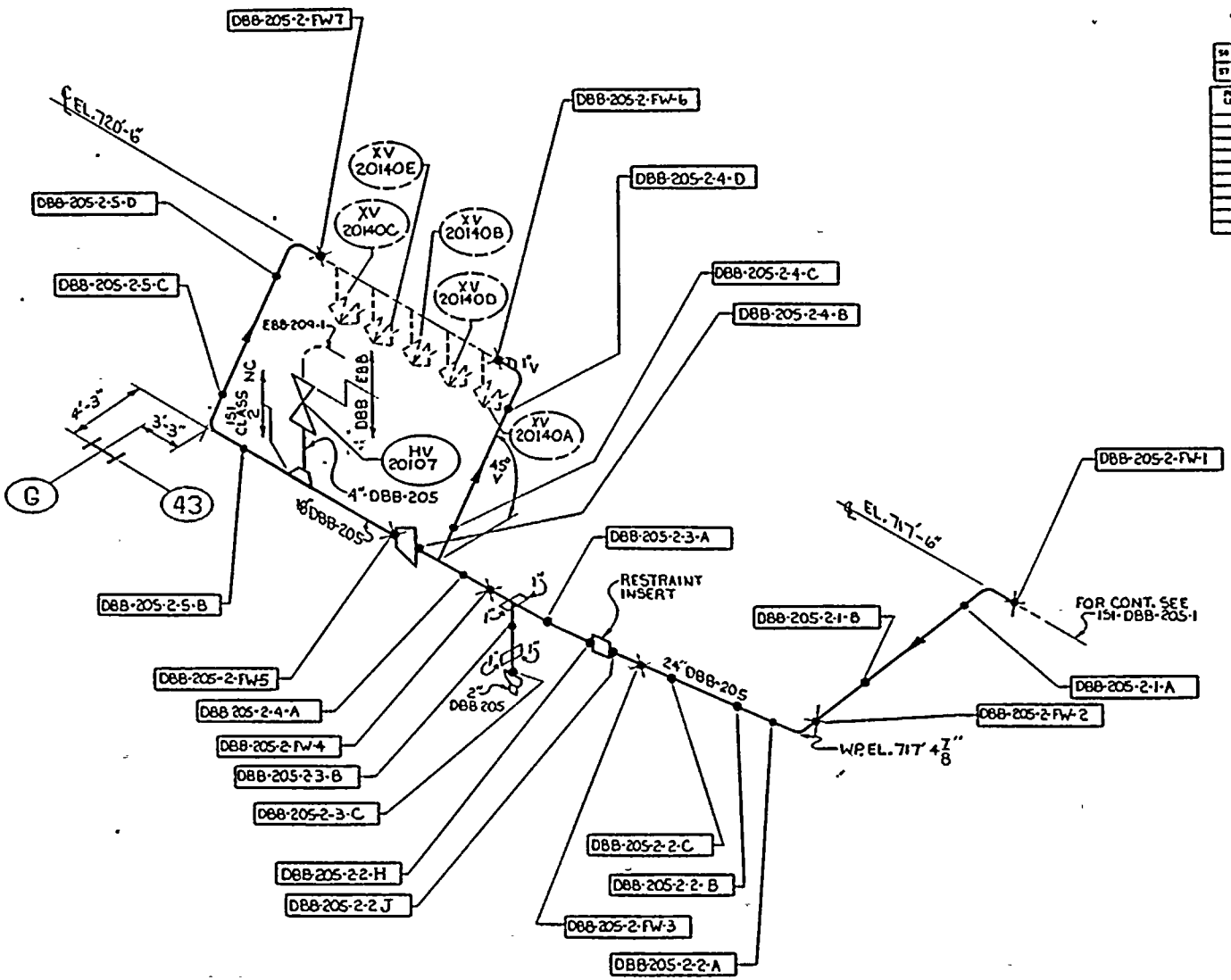
AE DRAWING NO. ISI-DBB-205-1

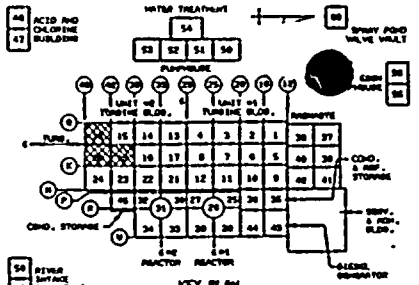
FRACTIONAL 0 1 2 DECIMAL 2 1 0

G 2 2 2 0 | G | G | G | G | G | M

LOCATION CODES

SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DIPWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	660'-0"	676'-0"	699'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	701'-0"	676'-0"
3	699'-0"	693'-0"	679'-0"	718'-0"	718'-1"	699'-0"
4	720'-0"	713'-0"	693'-0"		720'-11 1/2"	713'-0"
5	700'-0"	700'-1"			700'-2 1/2"	701'-0"
6	716'-0"	779'-1"			779'-1"	701'-0"
7		818'-1"				754'-0"
12					788'-1"	771'-0"
14					818'-0"	793'-0"
19		798'-1"				818'-0"

M-2101 (MAIN STEAM)	E-105901
M-16-3	E-106166 SHT.3
M-19-3	E-106169 SHT.3
M-20-3	E-106170 SHT.3
DBB-205-2 (REV.4)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-205-2

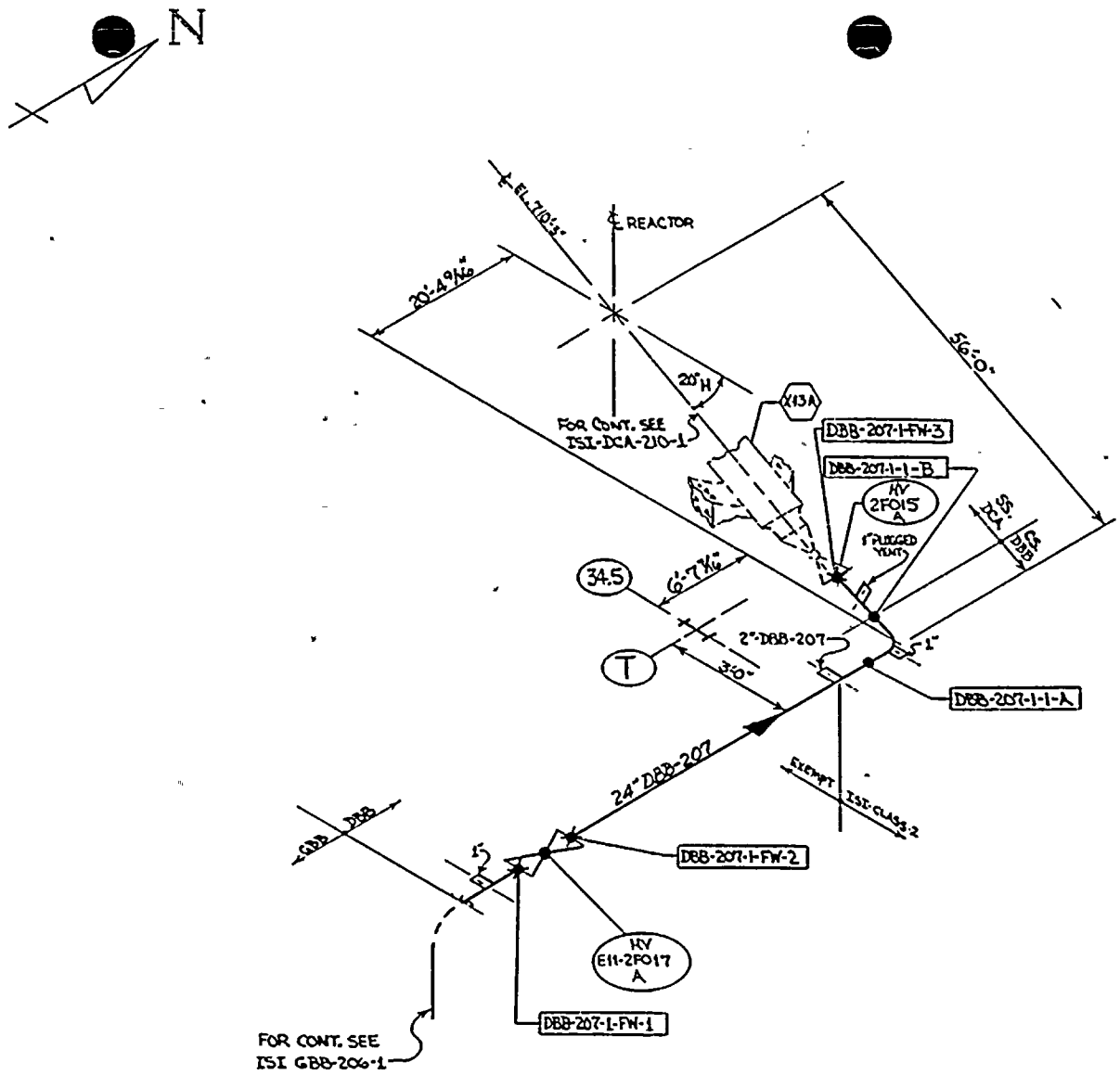
AREA 16,19,20 | ELEV. 714'-0" | SCALE- NONE

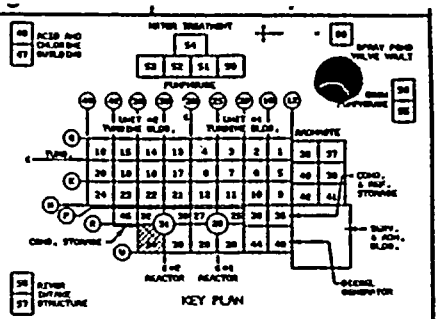
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201468 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-205-2

FRACTIONAL DECIMAL G 2 Z 2 0 LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
18		[illegible]				[illegible]

DBB-207-1 (REV. 3)	
M-2151 SHJ (RHR)	E-105951 SH. 1
M-34-3	E-106184
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-207-1

AREA-34 | ELEV-683'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201469 | SHEET NO. 1 | REV. NO. 0

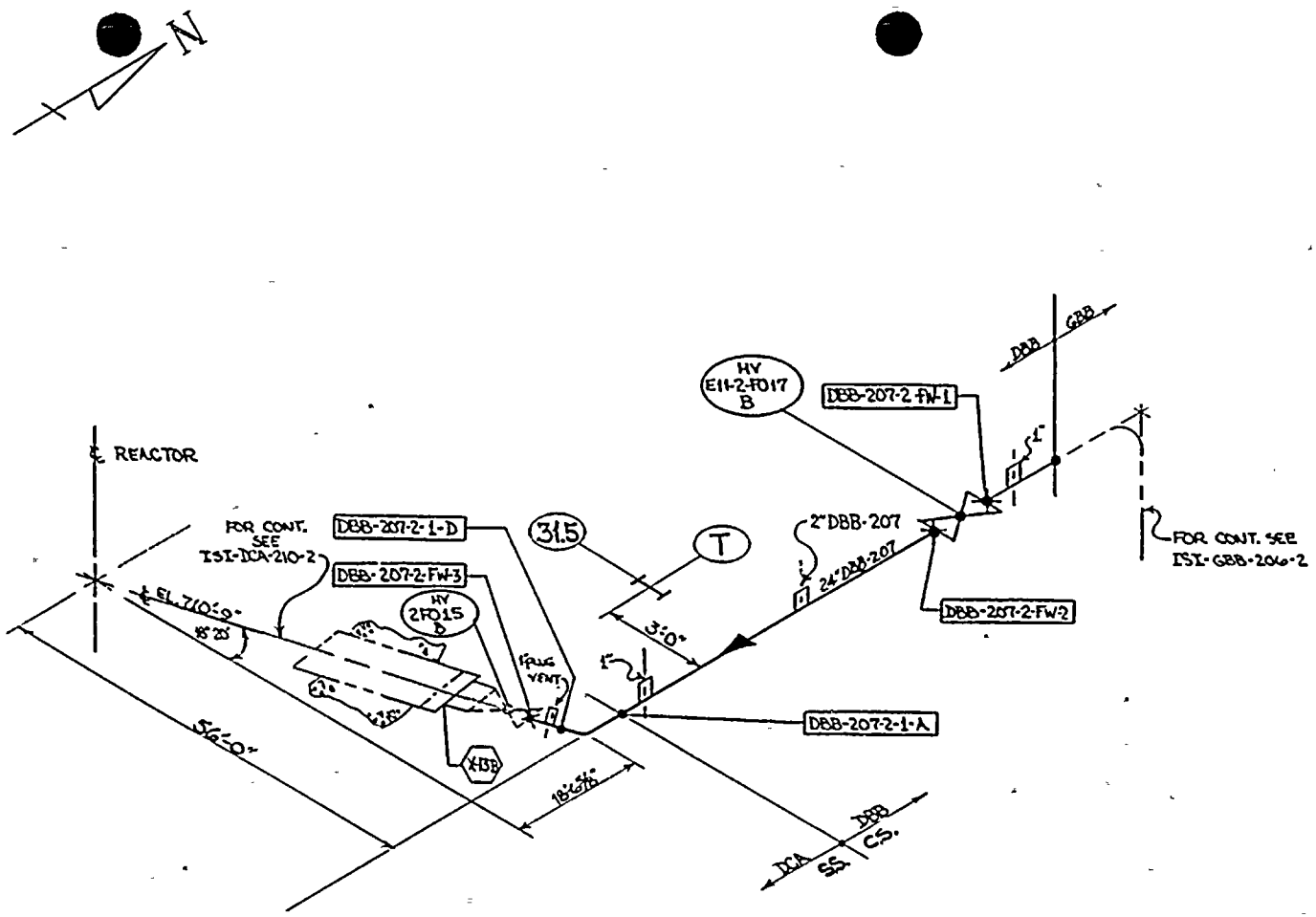
AE DRAWING NO. ISI-DBB-207-1

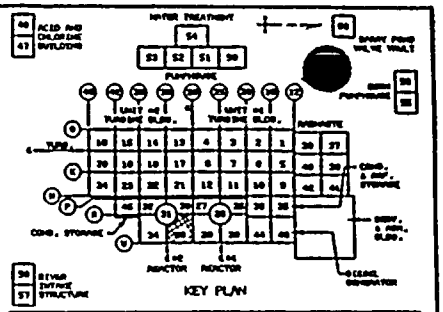
FRACTIONAL DECIMAL

G 2 2 2 0 G G G G G

LOCATION CODES

M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	599'-0"	599'-0"	599'-0"		
2	676'-0"	676'-0"	599'-0"	677'-0"	701'-0"	676'-0"
3	699'-0"	699'-0"	676'-0"	702'-0"	713'-1"	699'-0"
4	738'-0"	713'-0"	699'-0"		738'-11 1/4"	713'-0"
5	738'-0"	749'-1"			738'-11 1/4"	738'-0"
8	713'-0"	779'-1"			779'-1"	741'-0"
7		810'-1"				754'-0"
12					781'-1"	771'-0"
14					799'-0"	794'-0"
19		799'-1"				799'-0"

DBB-207-2 (REV.2)	
M-215-1-SHEET 2 (RHR)	E-105951 SH.2
M-33-3	E-106183
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RE	JB		

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

WELD IDENTIFICATION

ISI-DBB-207-2

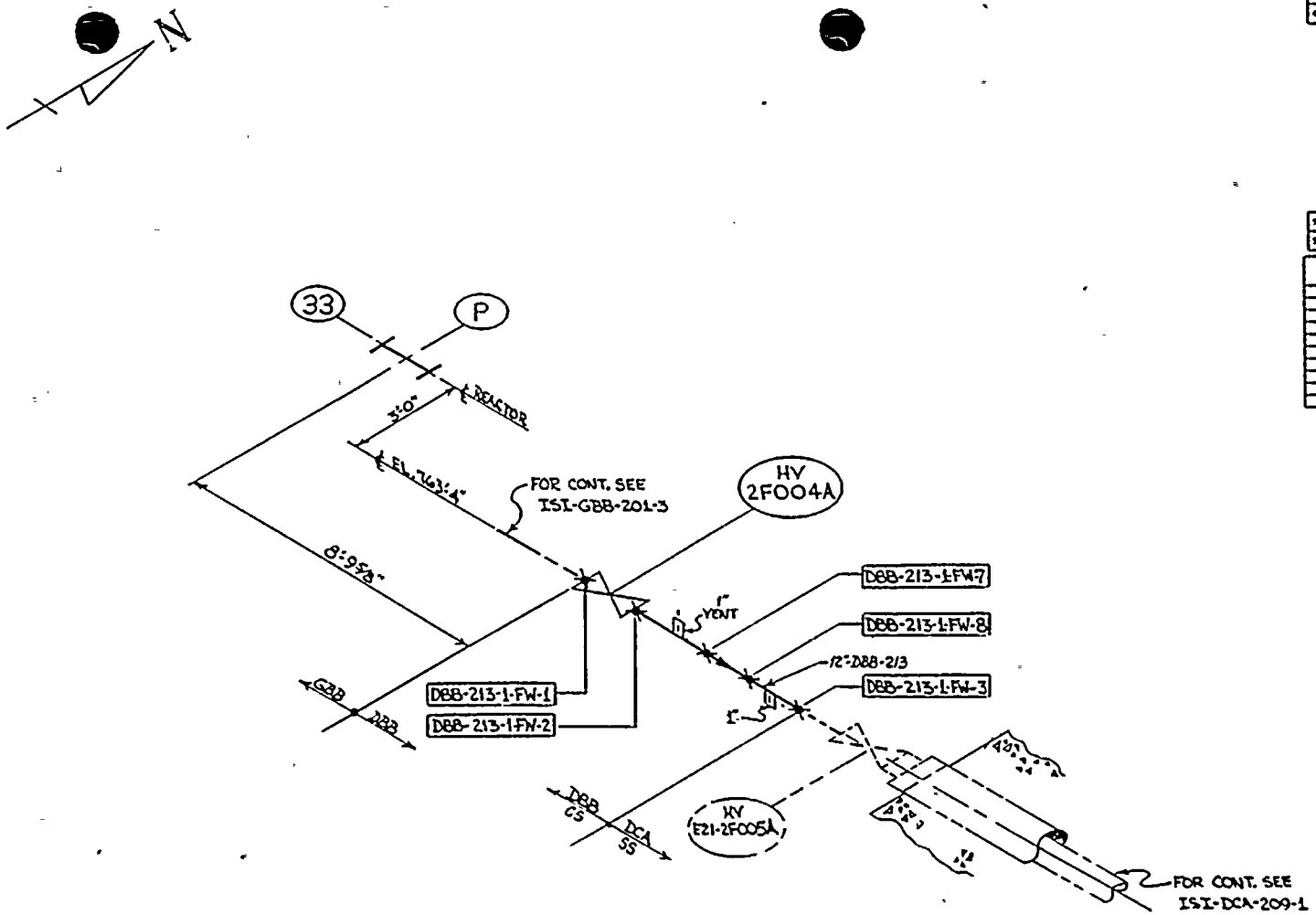
AREA-33 | ELEV:683'-0" | SCALE- NONE

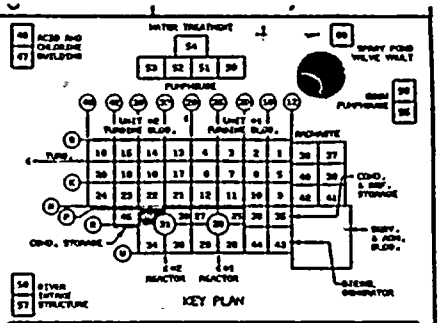
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201470 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-207-2

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SERVICE REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	599'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	699'-9"	679'-9"	719'-9"	718'-1"	699'-9"
4	739'-9"	719'-9"	691'-9"		739'-11 1/2"	719'-9"
5	759'-9"	749'-1"			759'-7 1/2"	739'-9"
6	779'-9"	779'-1"			779'-1"	759'-9"
7		818'-1"				754'-9"
12					799'-1"	779'-9"
14					819'-9"	799'-9"
16		799'-1"				819'-9"

NOTE: DWG. CLASS 2

DBB-213-1 (REV-3)	
M-2132 (CORE SPRAY)	E-105952
M-32-5	E-106182
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-213-1

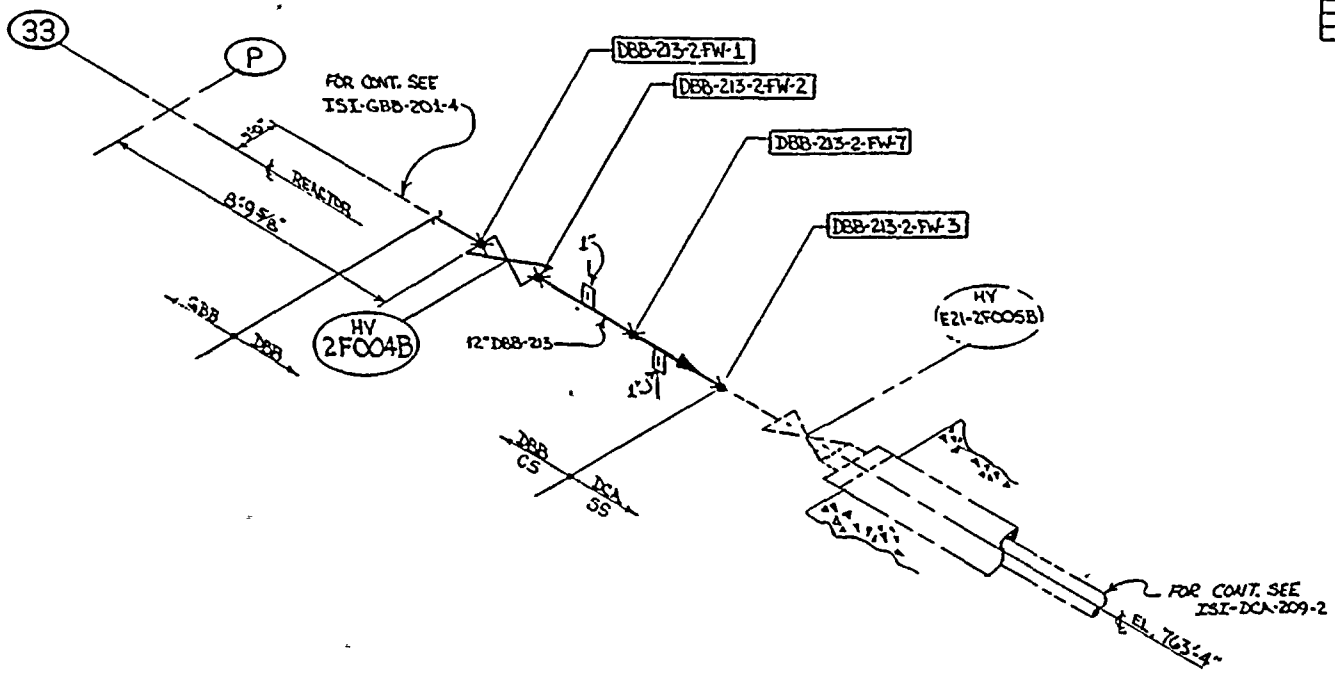
AREA-32 | ELEV: 749'-1" | SCALE- NONE

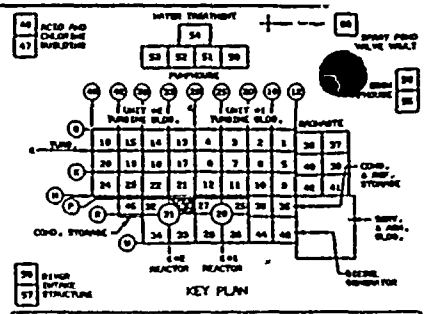
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201471 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-213-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	BREAKWATER BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	694'-9"	695'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	694'-9"	693'-9"	679'-9"	719'-9"	719'-1"	694'-9"
4	719'-9"	719'-9"	691'-9"		729'-11 1/2"	719'-9"
5	739'-9"	739'-1"			738'-7 1/4"	739'-9"
6	754'-9"	779'-1"			779'-1"	754'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
15					844'-9"	799'-9"
16		799'-1"				844'-9"

NOTE: DWG. CLASS 2.

DBB-213-2 (REV.-3)	
M-2152 (CORE SPRAY)	E-105952
M-30-5	E-106180 SH.5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-213-2

AREA- 30 | ELEV: 749'-1 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

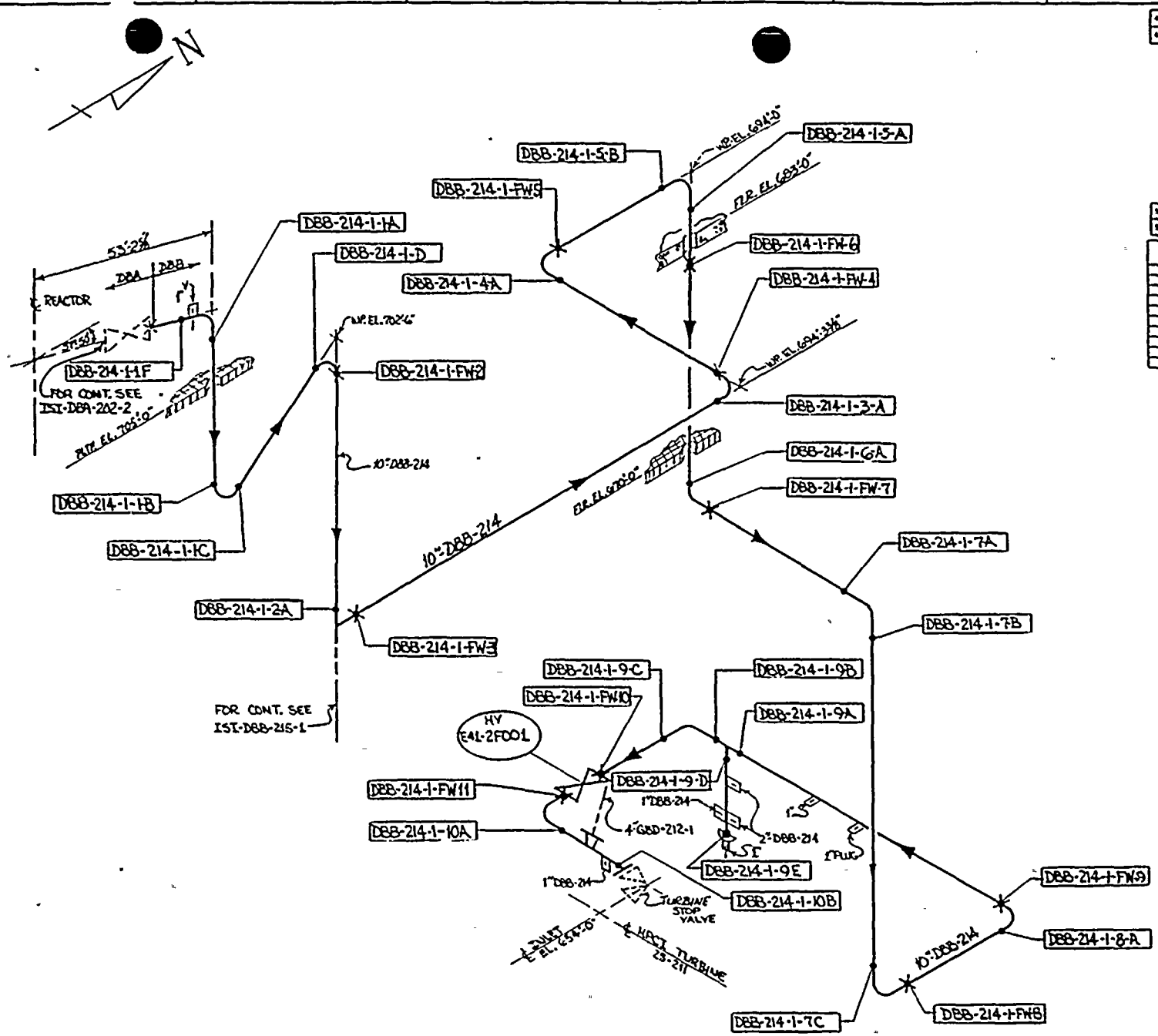
PP&L DRAWING NO. C-201472 | SHEET NO. 1 | REV. NO. 0

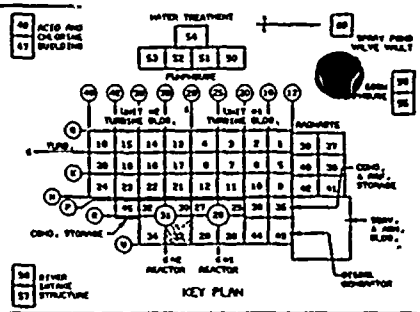
AE DRAWING NO. ISI-DBB-213-2

G 2 2 2 0 | G | G | G | G | M

LOCATION CODES

SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	645'-0"	645'-0"	599'-0"		
2	679'-0"	679'-0"	679'-0"	677'-0"	719'-0"	679'-0"
3	699'-0"	699'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	729'-0"	719'-0"	699'-0"		739'-11½"	719'-0"
5	749'-0"	749'-0"			739'-11½"	739'-0"
6	769'-0"	779'-0"			779'-1"	759'-0"
7		819'-1"				779'-0"
12					799'-1"	779'-0"
14					819'-1"	799'-0"
18		799'-1"				819'-0"

DBB-214-1 (R4)	
M-2155 (HPCI)	E-105955
M-2156 (HPCI TURBINE BLDG)	E-105956
M-33-1	E-106183 SH.1
M-33-2	E-106183 SH.2
M-33-3	E-106183 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RK	RW	WKS	7/1/--

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-DBB-214-1

AREA-33 | ELEV.:645' | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

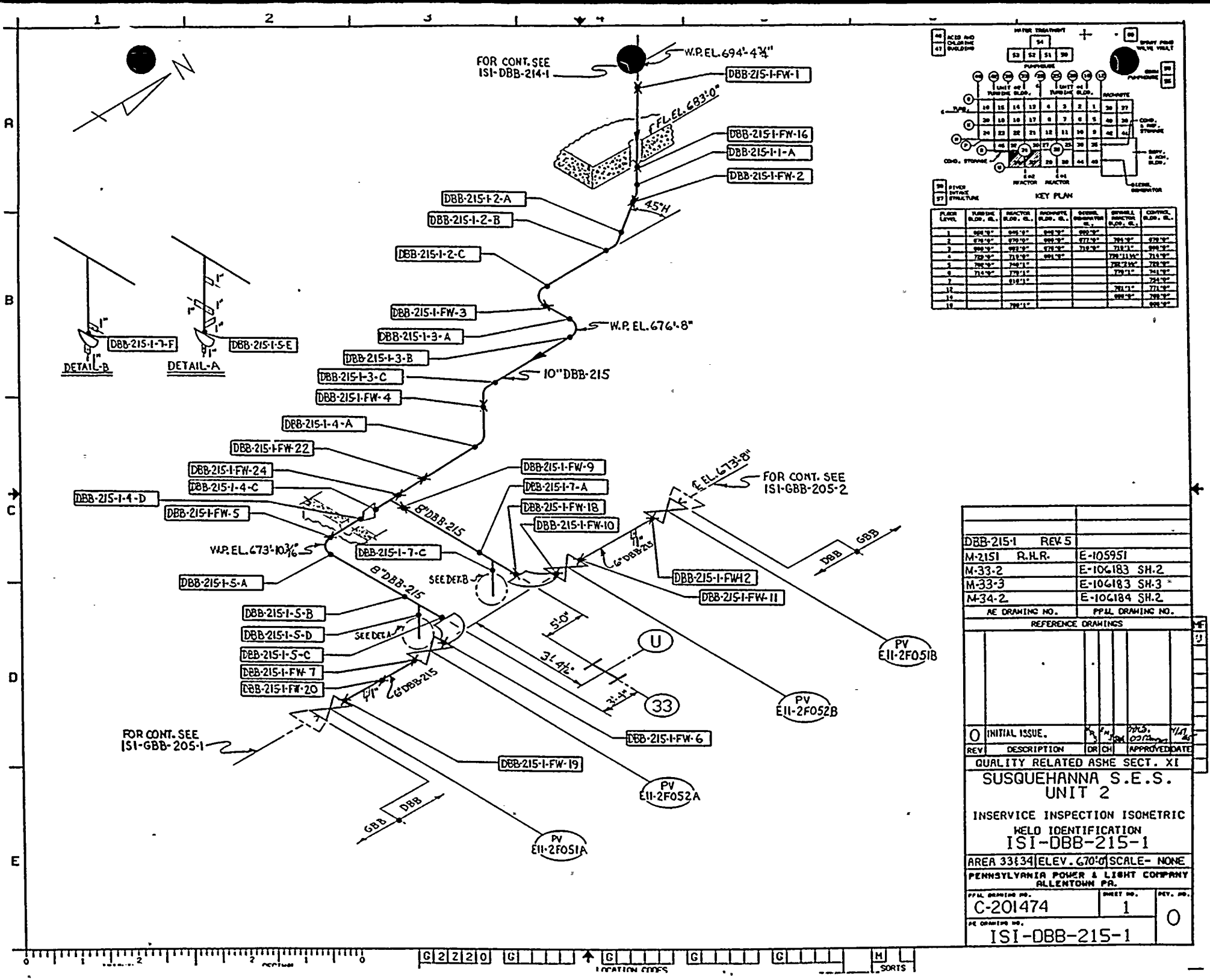
PP&L DRAWING NO. C-201473 | SHEET NO. 1 | REV. NO. 0

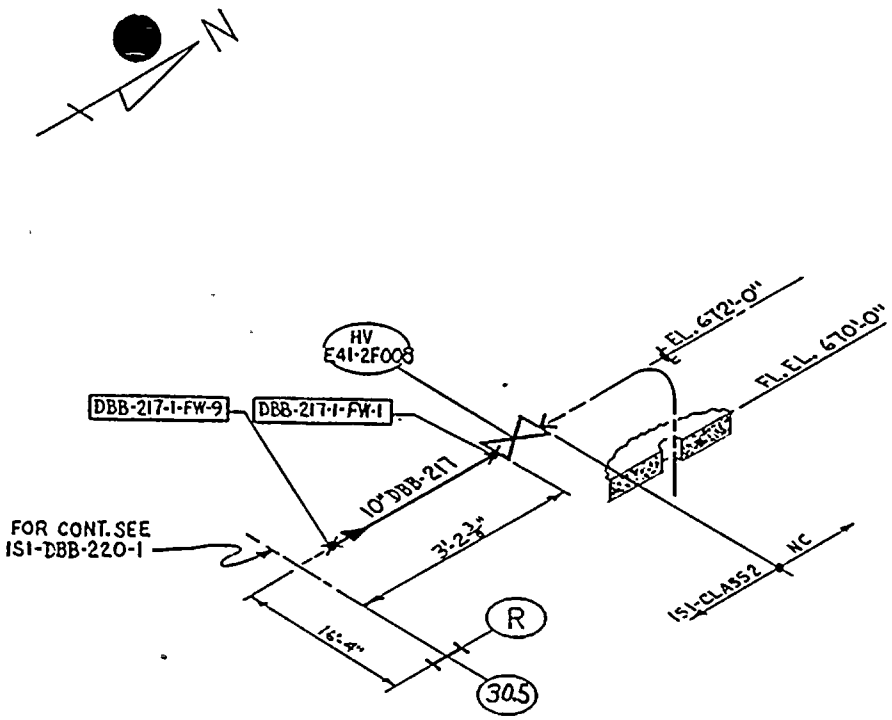
AE DRAWING NO. ISI-DBB-214-1

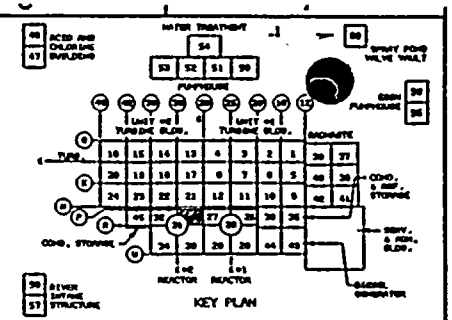
G 2 2 2 0 G G G G M

LOCATION CODES

SORTS


FOR CONT. SEE ISI-DBB-214-1
W.P. EL. 694'-4¾"
DBB-215-1-FW-1
℄ FL. EL. 683'-0"
DBB-215-1-FW-16
DBB-215-1-1-A
DBB-215-1-FW-2
45°H
DBB-215-1-2-A
DBB-215-1-2-B
DBB-215-1-2-C
DBB-215-1-FW-3
W.P. EL. 676'-8"
DBB-215-1-3-A
DBB-215-1-3-B
10" DBB-215
DBB-215-1-3-C
DBB-215-1-FW-4
DBB-215-1-4-A
DBB-215-1-FW-22
DBB-215-1-FW-24
DBB-215-1-4-C
DBB-215-1-4-D
DBB-215-1-FW-5
8" DBB-215
W.P. EL. 673'-10¾"
DBB-215-1-5-A
DBB-215-1-7-C
DBB-215-1-FW-9
DBB-215-1-7-A
DBB-215-1-FW-18
DBB-215-1-FW-10
SEE DET. B
℄ EL. 673'-8"
FOR CONT. SEE ISI-GBB-205-2
6" DBB-215
DBB-215-1-FW-12
DBB-215-1-FW-11
DBB
GBB
PV E11-2F051B
DBB-215-1-5-B
DBB-215-1-5-D
SEE DET. A
DBB-215-1-5-C
DBB-215-1-FW-7
DBB-215-1-FW-20
5'-0"
3'-4½"
3'-4"
U
33
PV E11-2F052B
DBB-215-1-FW-6
FOR CONT. SEE ISI-GBB-205-1
DBB-215-1-FW-19
PV E11-2F052A
GBB
DBB
PV E11-2F051A
DETAIL-B
DBB-215-1-7-F
DETAIL-A
DBB-215-1-5-E
KEY PLAN
DBB-215-1 REV. 5
M-215-1 R.H.R.
E-105951
M-33-2
E-106183 SH. 2
M-33-3
E-106183 SH. 3
M-34-2
E-106184 SH. 2
AE DRAWING NO.
PP&L DRAWING NO.
REFERENCE DRAWINGS
0 INITIAL ISSUE.
REV DESCRIPTION DR CH APPROVED DATE
QUALITY RELATED ASME SECT. XI
SUSQUEHANNA S.E.S.
UNIT 2
INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-215-1
AREA 33&34 ELEV. 670'-0" SCALE- NONE
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.
PP&L DRAWING NO. C-201474
SHEET NO. 1
REV. NO. 0
AE DRAWING NO. ISI-DBB-215-1
G 2 2 2 0
LOCATION CODES
SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

DBB-217-1 (REV.4)

M-2155 (H.P.C.I.) | E-105955

M-30-2 | E-106180 SH.2

AE DRAWING NO. | PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-217-1

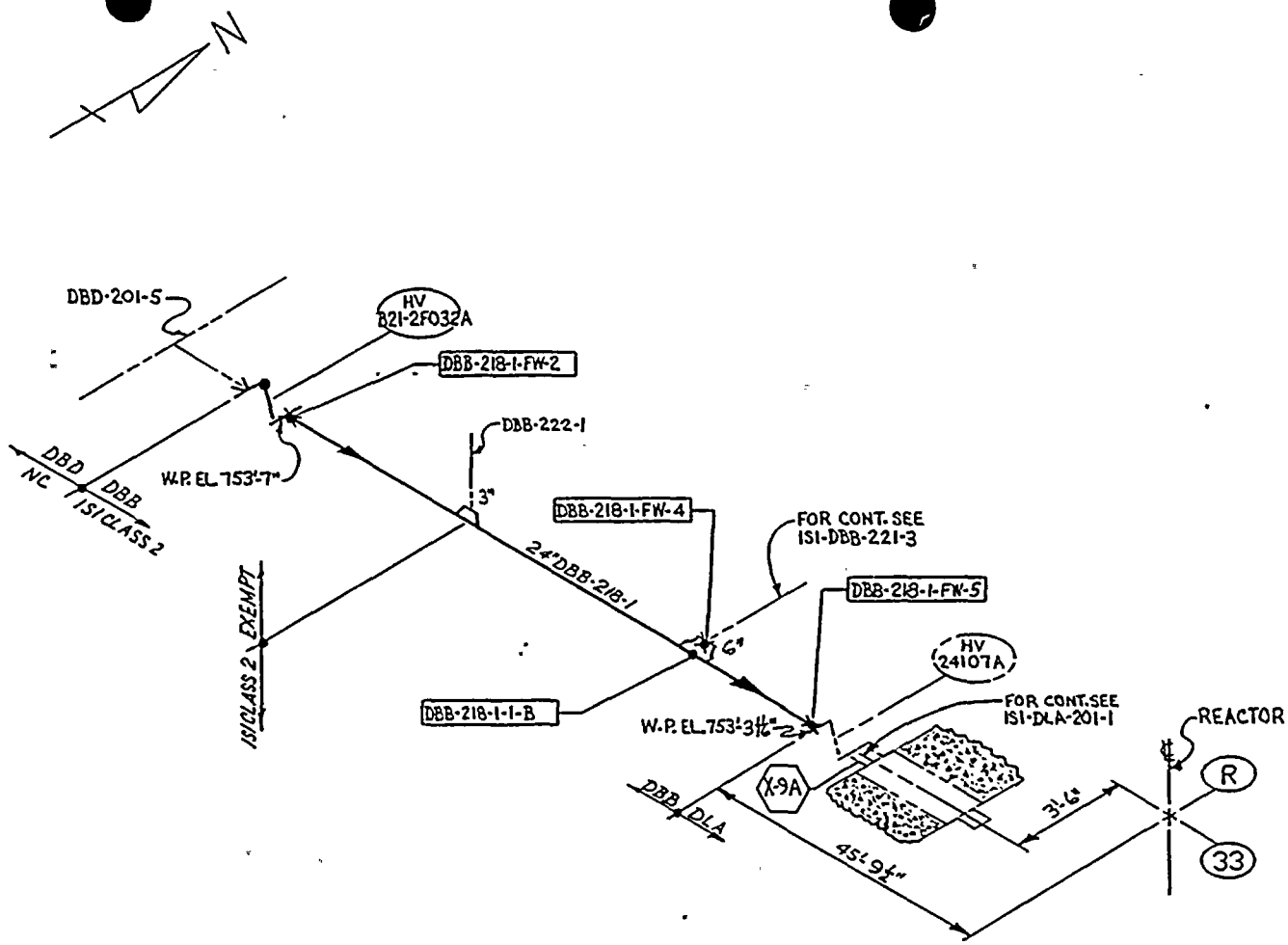
AREA 30 | ELEV. 670'-0" | SCALE- NONE

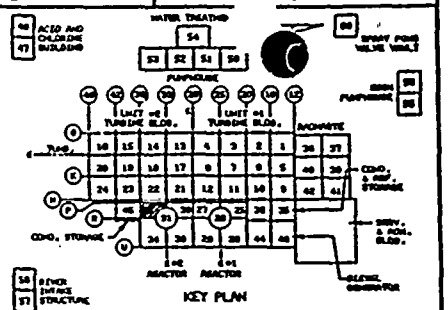
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201475 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-217-1

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	554'-0"	546'-0"	599'-0"	599'-0"		
2	574'-0"	570'-0"	599'-0"	577'-0"	701'-0"	679'-0"
3	599'-0"	593'-0"	670'-0"	718'-0"	718'-1"	693'-0"
4	727'-0"	718'-0"	691'-0"		728'-11 1/2"	714'-0"
5	752'-0"	749'-1"			752'-2 1/2"	732'-0"
6	714'-0"	779'-1"			779'-1"	754'-0"
7		818'-1"				784'-0"
12					791'-1"	771'-0"
14					818'-0"	798'-0"
16		798'-1"				818'-0"

M-2141 (NCLR.BLR.)	E-105941
M-32-5	E-106182 SH.5
DBB-218-1 (REV.5)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

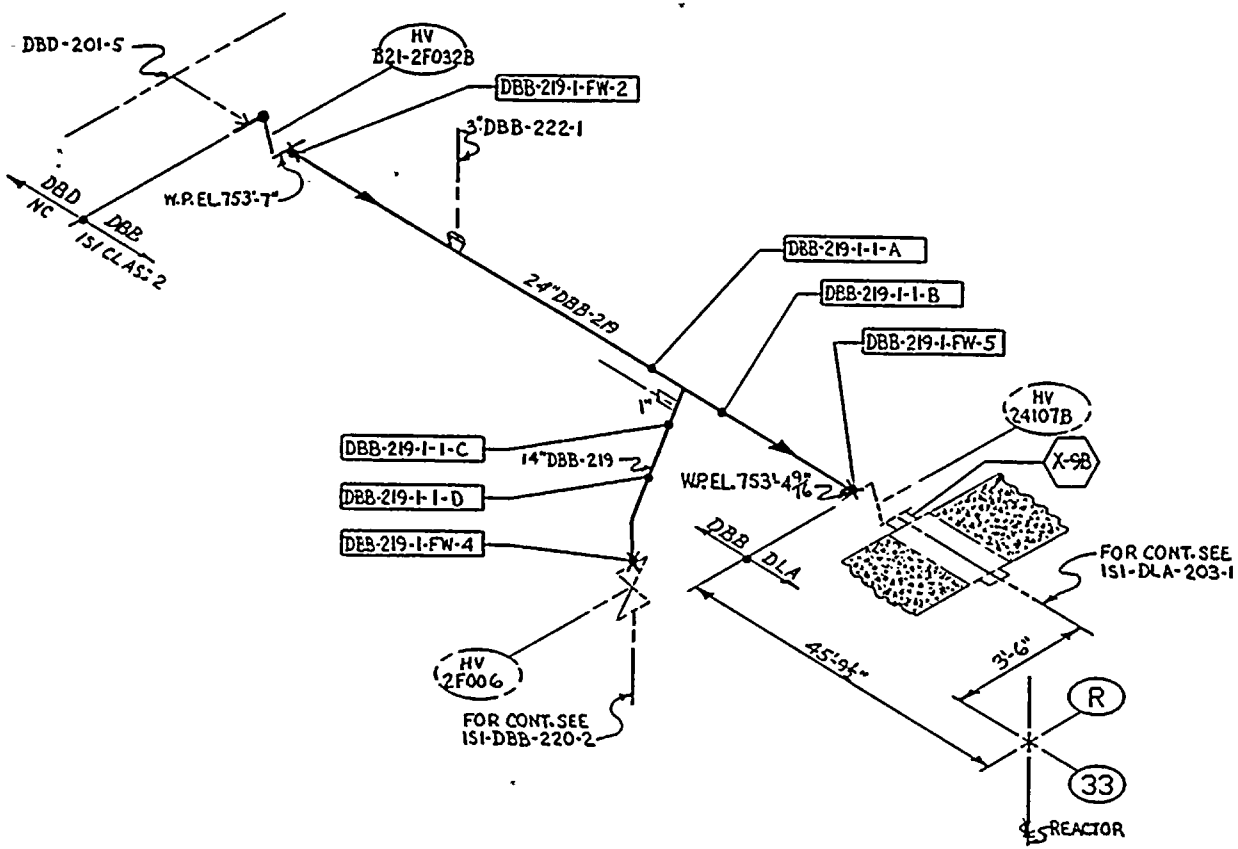
INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-218-1

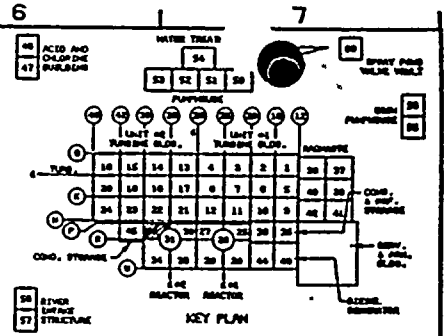
AREA 32 | ELEV. 749'-1" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201476 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-218-1





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPHERICAL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	254'-0"	255'-0"	255'-0"	255'-0"		
2	274'-0"	274'-0"	280'-0"	277'-0"	274'-0"	278'-0"
3	290'-0"	289'-0"	278'-0"	278'-0"	718'-1"	288'-0"
4	722'-0"	718'-0"	289'-0"		718'-11 1/4"	714'-0"
5	755'-0"	749'-1"			732'-7 1/4"	738'-0"
6	714'-0"	779'-1"			729'-1"	744'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	788'-0"
19		798'-1"				809'-0"

M-2141 (NCLR.BLR.)	E-105941
M-32-5	E-106182 SH.5
DBB-219-1 (REV.5)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

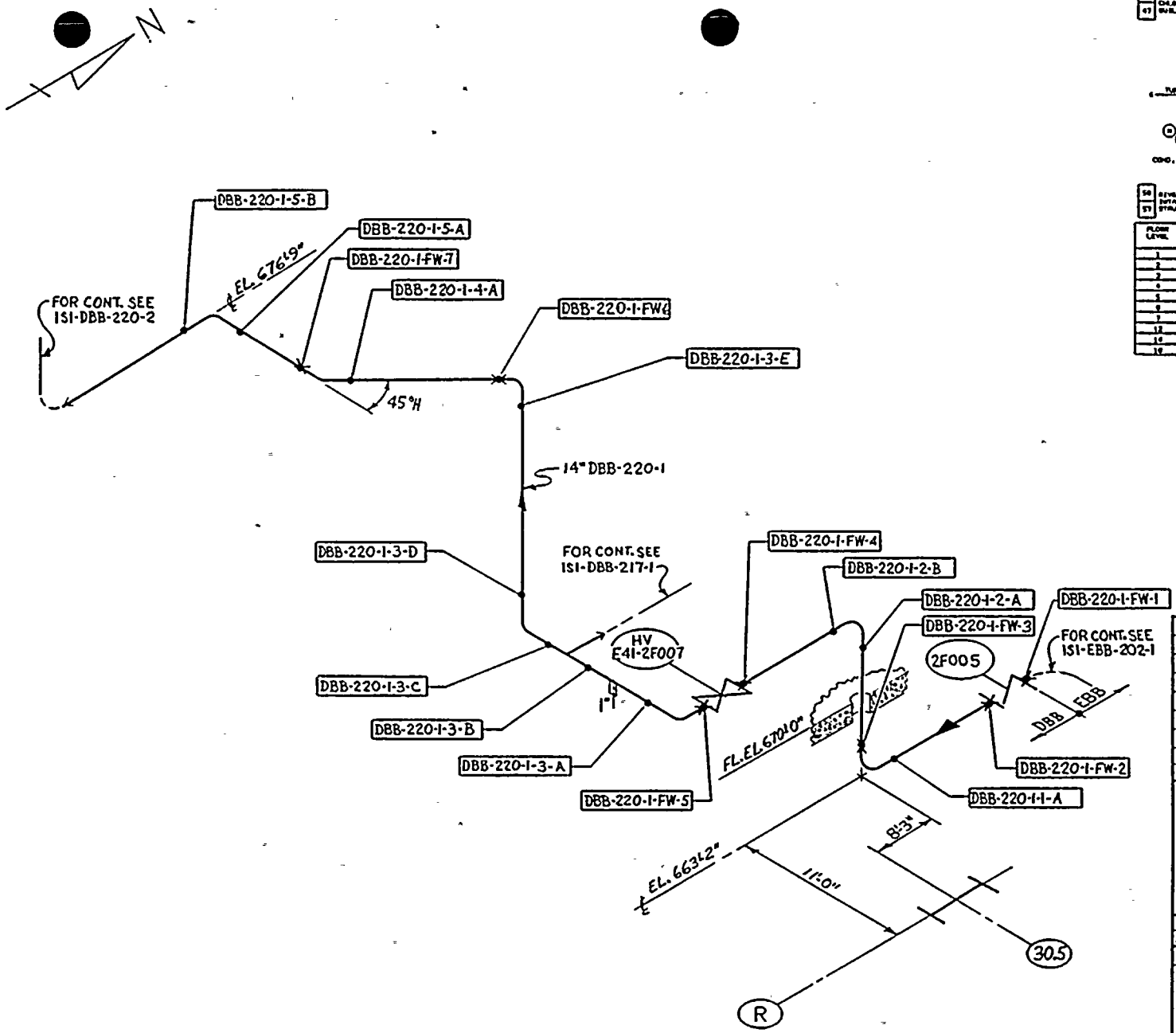
INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-219-1

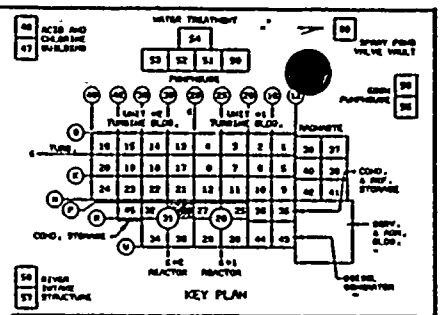
AREA 32 | ELEV. 749'-1" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201477 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-219-1





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SERVICE REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-0"	695'-0"	699'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	699'-0"	679'-0"	718'-0"	718'-1"	699'-0"
4	718'-0"	718'-0"	699'-0"		736'-11 1/4"	714'-0"
5	732'-0"	749'-1"			736'-11 1/4"	728'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
13					791'-1"	771'-0"
14					799'-0"	787'-0"
15		799'-1"				819'-0"

M-2155 (H.P.C.I.)	E-105955
M-30-1	E-106180 SH.1
M-30-2	E-106180 SH.2
DBB-220-1 (REV. 5)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-220-1

AREA 30 | ELEV. 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

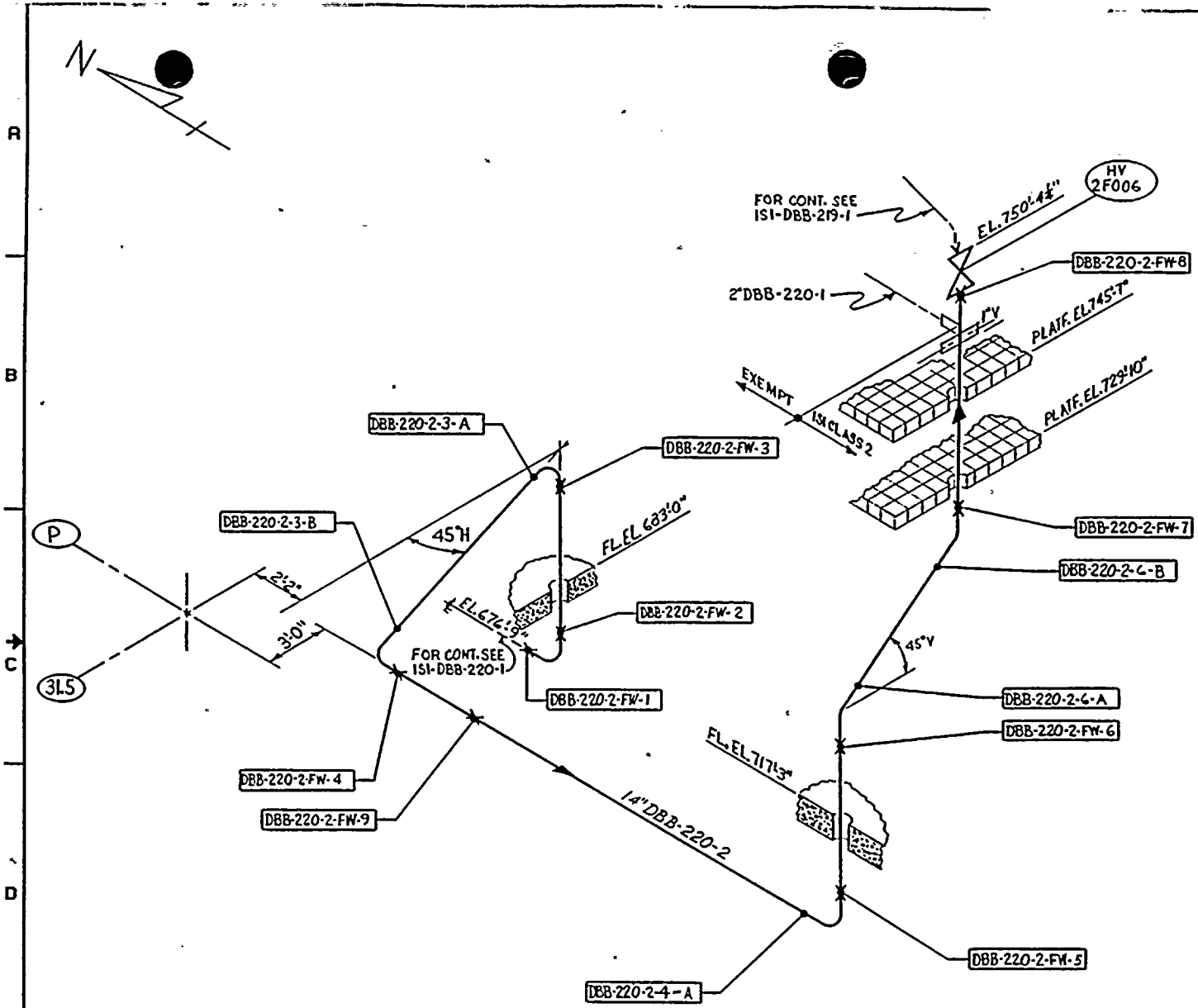
PP&L DRAWING NO. C-201478 | SHEET NO. 1 | REV. NO. 0

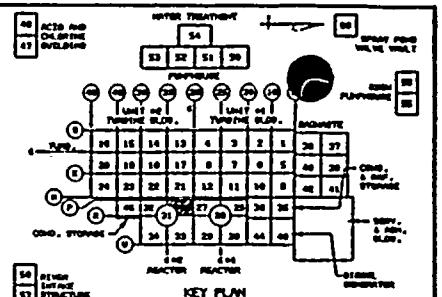
AE DRAWING NO. ISI-DBB-220-1

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 2 2 0 | G | G | G | G | G | H

LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12		[illegible]			[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

M-215S (H.P.C.I.)	E-105955
M-30-2	E-106180 SH.2
M-30-3	E-106180 SH.3
M-31-4	E-106181 SH.4
M-31-7	E-106181 SH.7
DBB-220-2 (REV.2)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

WELD IDENTIFICATION

ISI-DBB-220-2

AREA 30131 | ELEV. 670'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

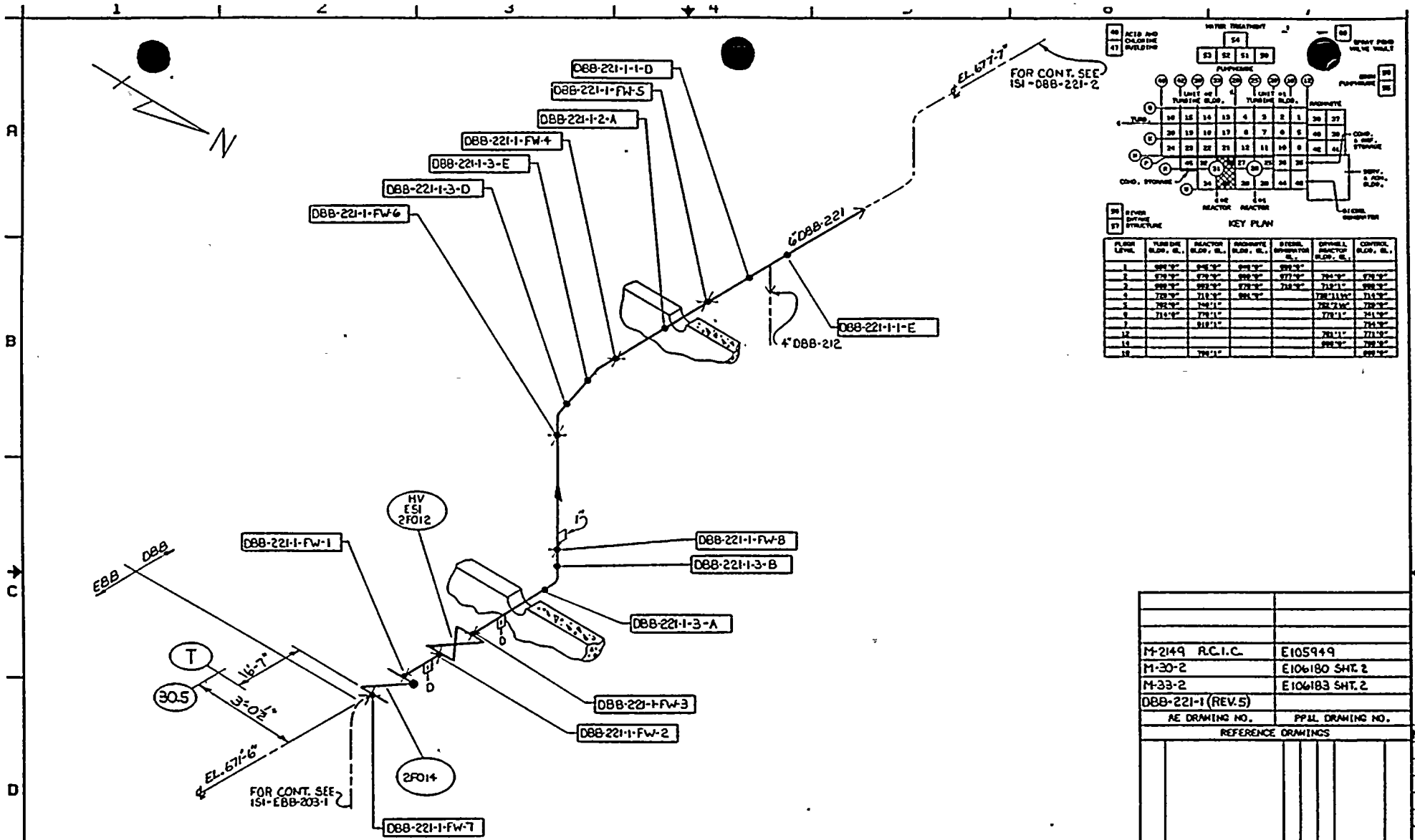
PP&L DRAWING NO. C-201482 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-220-2

FRACTIONAL DECIMAL

G 2 2 2 0 | G | G | G | G | H

LOCATION CODES SORTS



M-2149 R.C.I.C.	E105949
M-30-2	E106180 SHT. 2
M-33-2	E106183 SHT. 2
DBB-221-1 (REV. 5)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-221-1

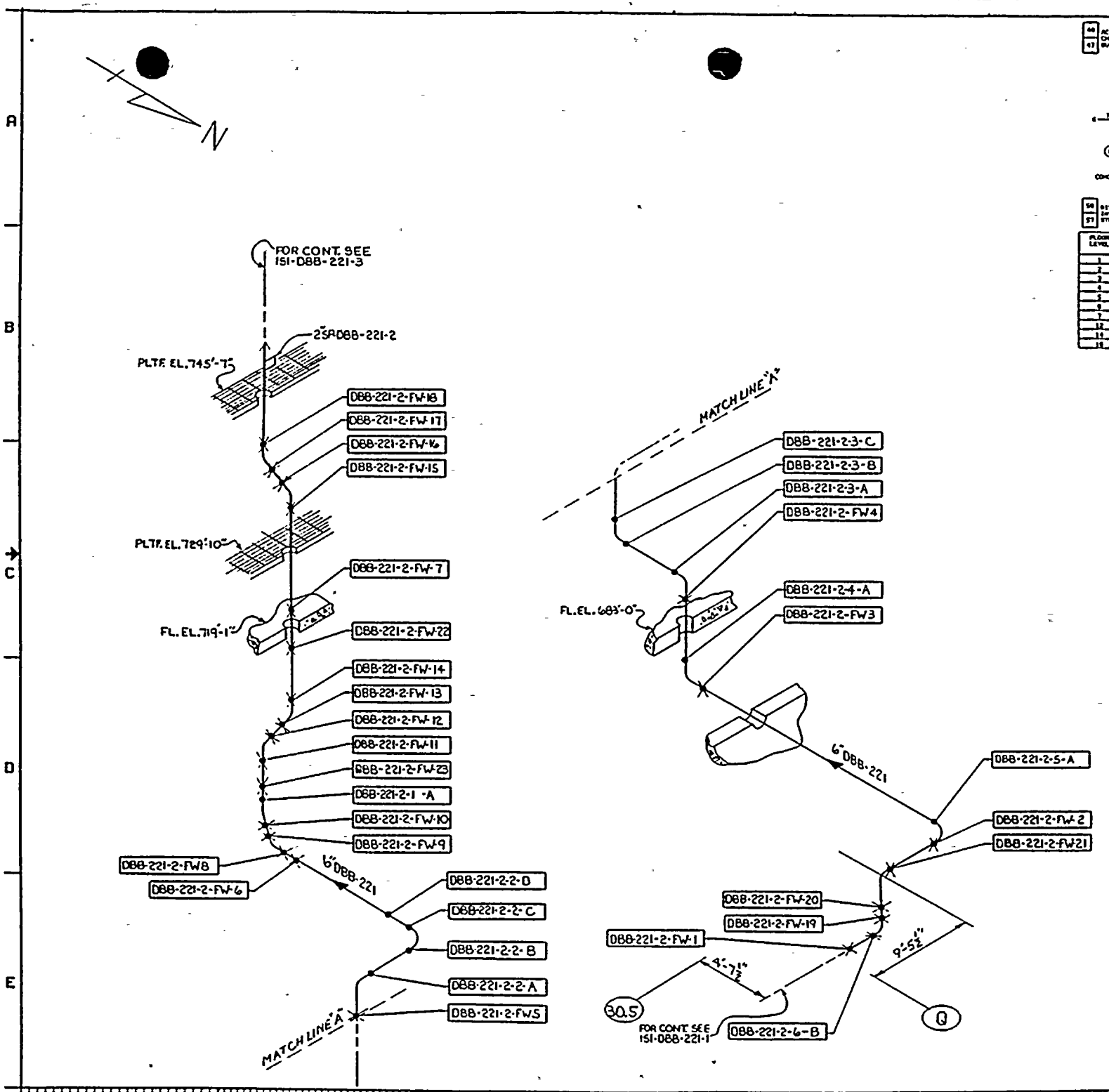
AREA 30 & 33 | ELEV. 670'-0" | SCALE- NONE

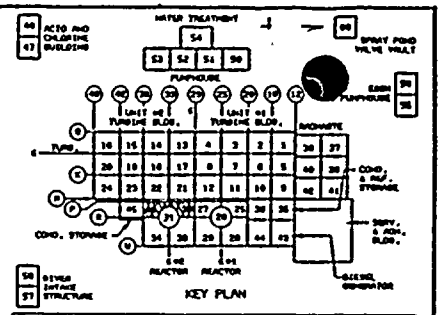
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C201483 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-221-1

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	664'-9"	695'-9"	695'-9"	695'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	676'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	729'-9"	713'-9"	693'-9"		728'-11½"	714'-9"
5	745'-9"	749'-1"			745'-3½"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					793'-1"	771'-9"
14					809'-9"	793'-9"
15		799'-1"				809'-9"

M-2149 (RCIC)	E 105949
M-30-2	E 106180 SHT 2
M-30-3	E 106180 SHT. 3
M-31-4	E 106181 SHT. 4
M-31-7	E 106181 SHT. 7
M-31-10	E 106182 SHT 10
M-32-3	E 106182 SHT. 3
DBB-221-2 (REV. 7)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-DBB-221-2

AREA 30,31,32 | ELEV. 670'-0 | SCALE- NONE

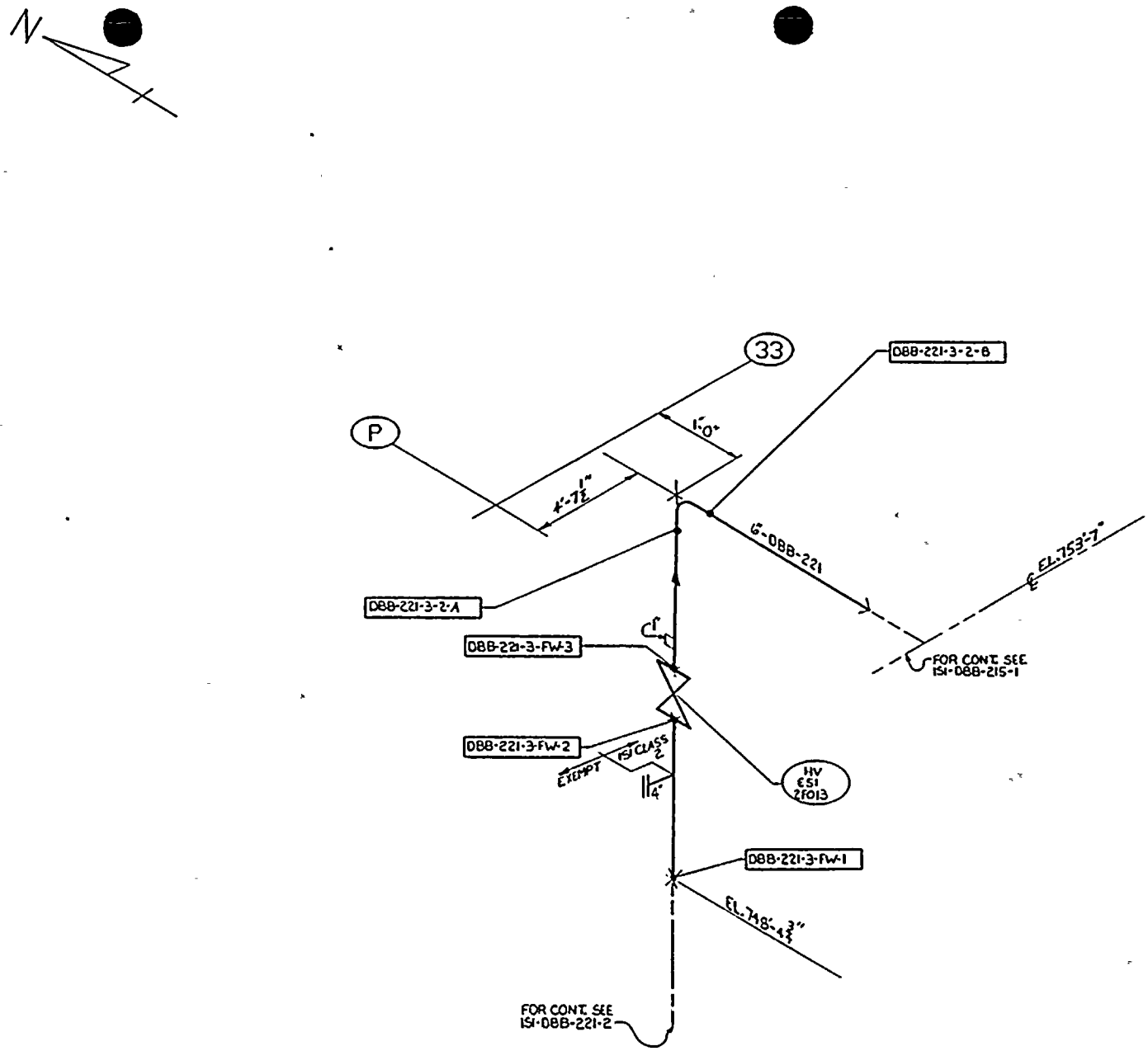
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

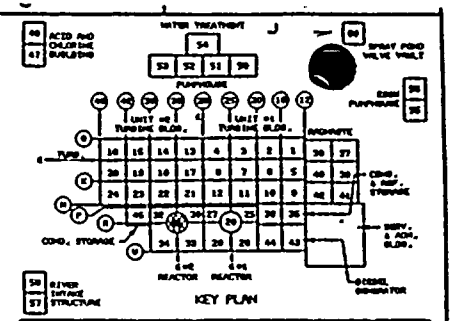
PP&L DRAWING NO. C-201484 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-221-2

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 Z 2 0 | G | G | G | G | LOCATION CODES | M | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	844'-9"	845'-9"	844'-9"	844'-9"		
2	879'-9"	879'-9"	844'-9"	877'-9"	784'-9"	879'-9"
3	899'-9"	893'-9"	879'-9"	749'-9"	749'-1"	899'-9"
4	729'-9"	713'-9"	893'-9"		729'-11¼"	713'-9"
5	749'-9"	749'-1"			732'-3¼"	729'-9"
6	713'-9"	779'-1"			779'-1"	749'-9"
7		810'-1"				754'-9"
12					794'-1"	771'-9"
14					893'-9"	789'-9"
18		799'-1"				899'-9"

M-2141 (NUC. BLR.)	E 105941
M-2149 (RCIC)	E 105949
M-31-5	E 106181 SHT. 5
DBB-221-3 (REV 3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

WELD IDENTIFICATION

ISI-DBB-221-3

AREA 31 | ELEV 752'2½" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

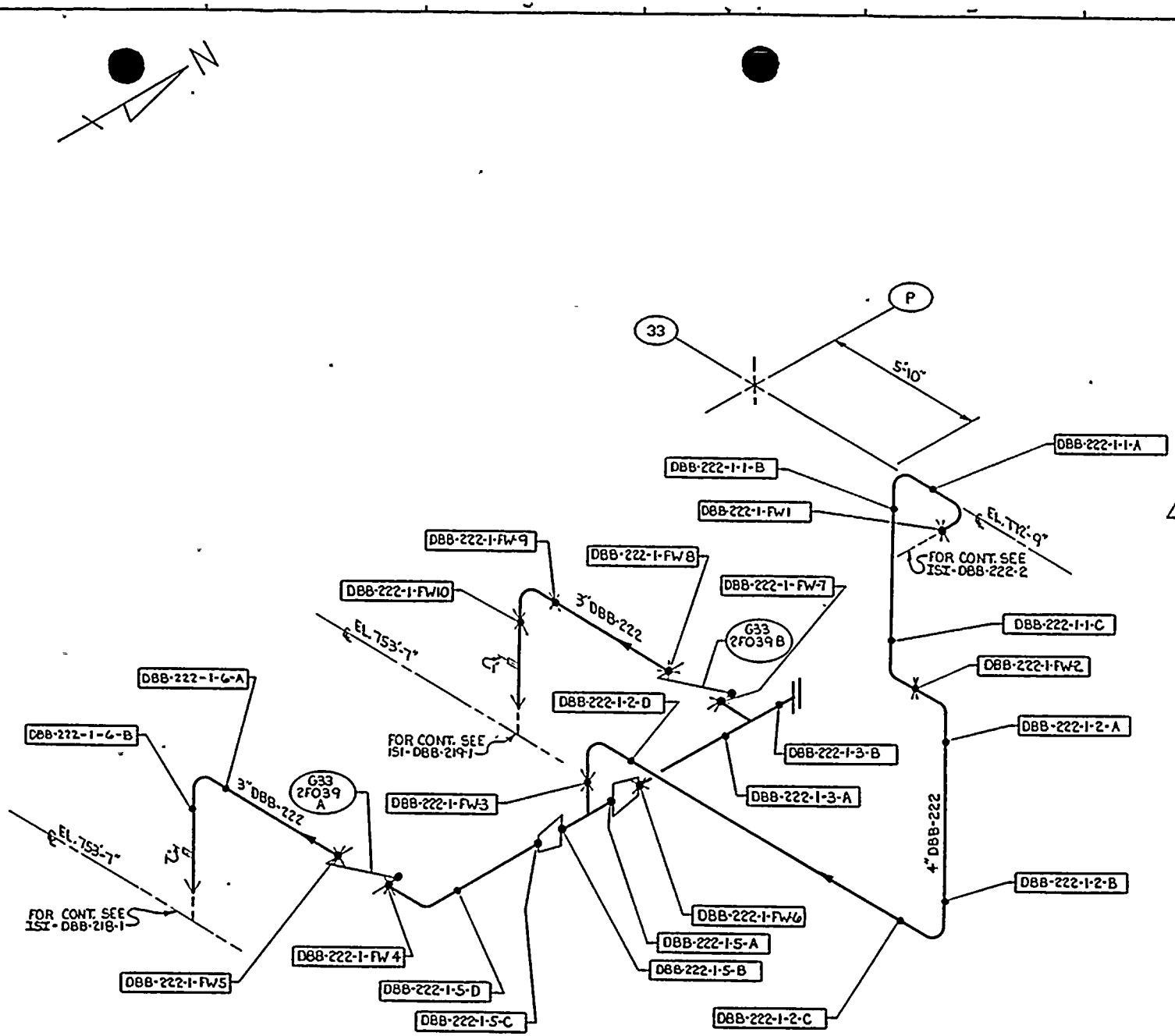
PP&L DRAWING NO. C-201485 | SHEET NO. 1 | REV. NO. 0

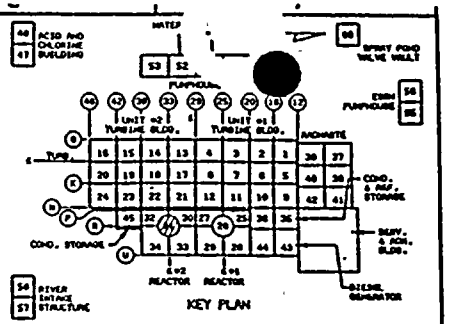
AE DRAWING NO. ISI-DBB-221-3

FRACTIONAL DECIMAL

G 2 2 2 0 | G | G | G | G | M

LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	AUXILIARY BLDG. EL.	DIESEL GENERATOR EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	645'-9"	649'-9"	695'-9"		
2	674'-9"	670'-9"	690'-9"	677'-9"	704'-9"	679'-9"
3	694'-9"	692'-9"	676'-9"	719'-9"	719'-1"	699'-9"
4	772'-9"	718'-9"	691'-9"		726'-11 1/4"	714'-9"
5	792'-9"	749'-1"			753'-2 1/4"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					804'-9"	789'-9"
19		799'-1"				829'-9"

FOR AUGMENTED INSPECTION ONLY.

M-2141 (NCLR. BLR)	E 105941
M-2144 (R.W.C.U.)	E 105944
M-31-5	E 106181 SHT.5
DBB-222-1 (REV.1)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
1	INCORP. DCN 10 (85-5647).				
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC

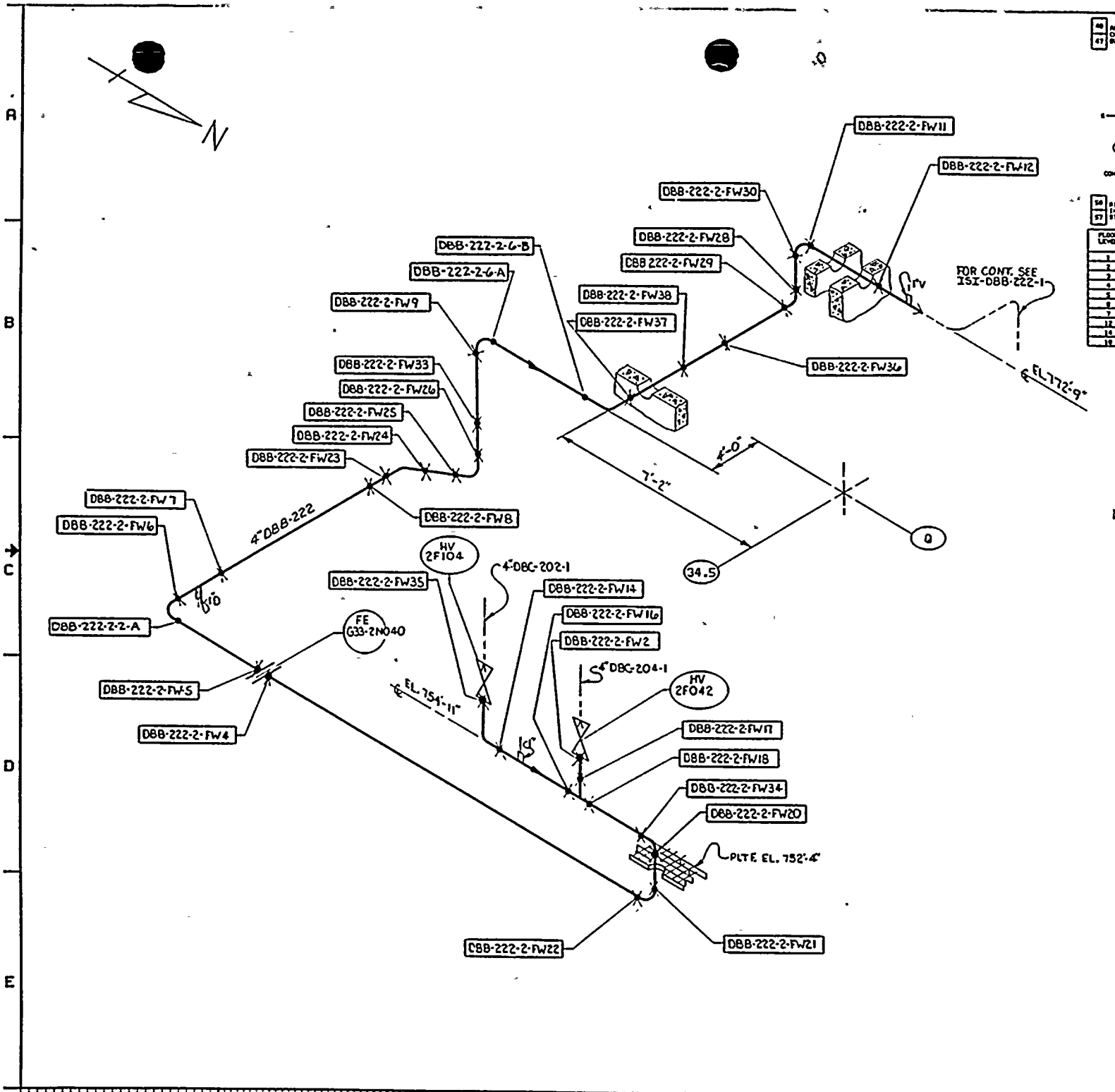
WELD IDENTIFICATION
ISI-DBB-222-1

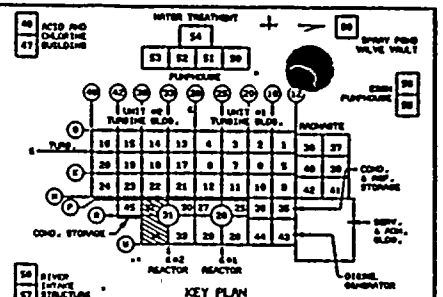
AREA 31 | ELEV. 752'-2 1/2" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199563 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-DBB-222-1





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	869'-9"	845'-9"	845'-9"	899'-9"		
2	679'-9"	679'-9"	899'-9"	877'-9"	754'-9"	679'-9"
3	899'-9"	882'-9"	679'-9"	719'-1"	719'-1"	899'-9"
4	729'-9"	713'-9"	591'-9"		728'-11½"	714'-9"
5	752'-9"	749'-1"			752'-11½"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					899'-9"	792'-9"
19		799'-1"				829'-9"

NOTE: FOR AUGMENTED INSPECTION ONLY

M-2144 (R.W.C.U.)	E 105944
M-32-5	E 106182 SHT. 5
M-34-5	E 106184 SHT. 5
DBB-222-2 (REV 5)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DBB-222-2

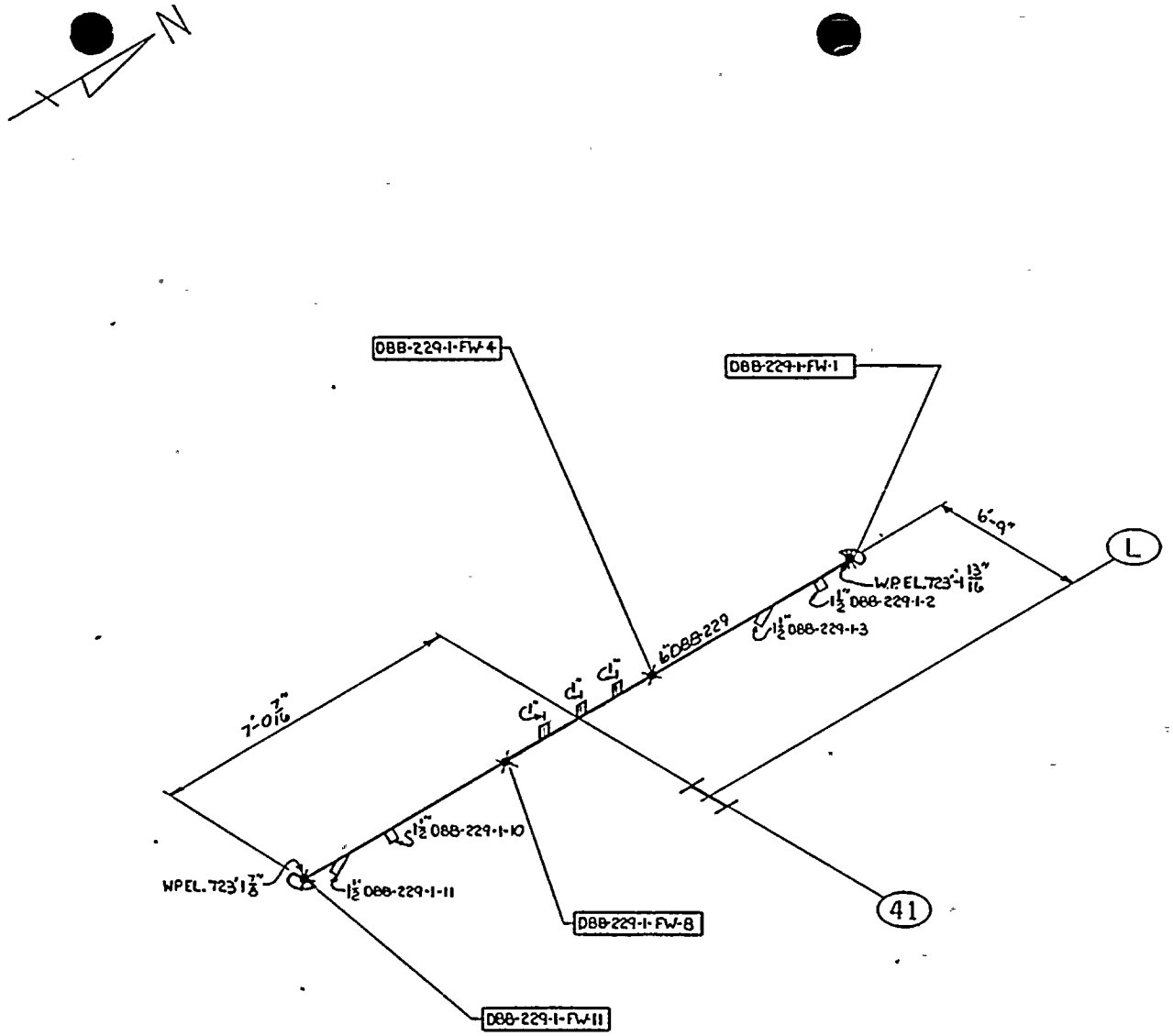
AREA 32,34 | ELEV. 749'-1" | SCALE- NONE

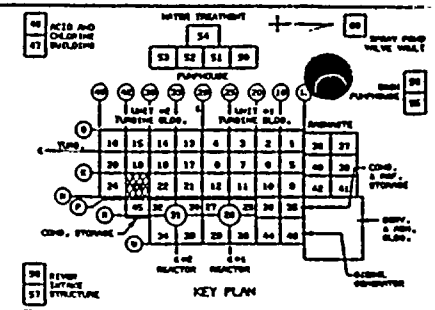
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201481 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-222-2

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DETWEILL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	554'-9"	595'-9"	599'-9"	599'-9"		
2	675'-9"	679'-9"	599'-9"	677'-9"	704'-9"	675'-9"
3	699'-9"	693'-9"	676'-9"	719'-9"	719'-1"	699'-9"
4	719'-9"	719'-9"	691'-9"		738'-11 1/16"	714'-9"
5	739'-9"	749'-1"			752'-2 1/16"	739'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		814'-1"				754'-9"
12					798'-1"	771'-9"
14					822'-9"	799'-9"
19		799'-1"				822'-9"

M-2101 (MN. STM)	E105901
M-23-6	E106173 SHT. 6
DBB-229-1 (REV. 0)	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	MAF	EMJ	JBL	KCS	4/07/86

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

WELD IDENTIFICATION

ISI-DBB-229-1

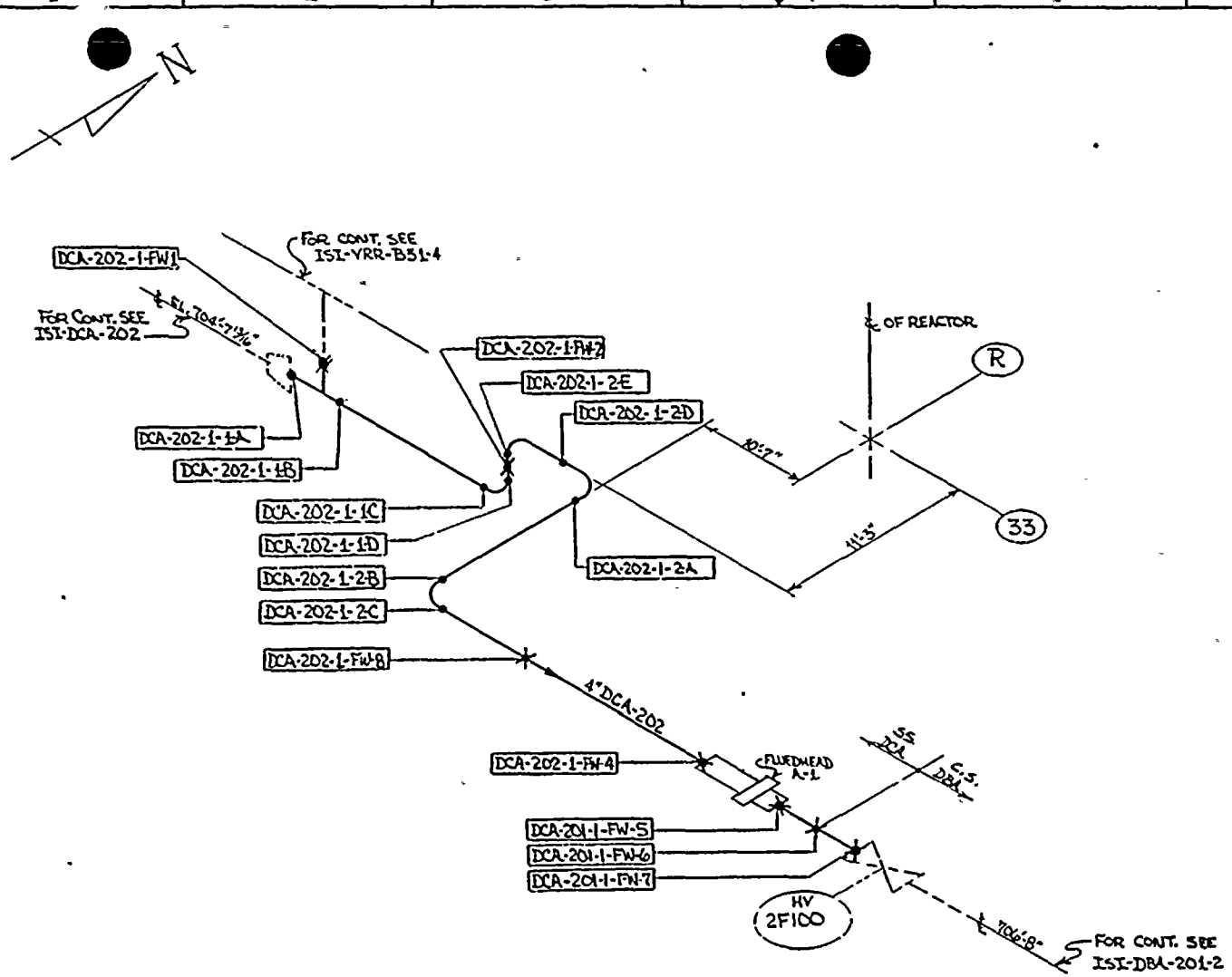
AREA 23	ELEV. 714'-0"	SCALE- NONE

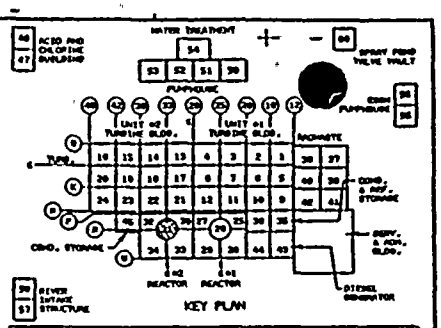
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C 201486	1	0

AE DRAWING NO. ISI-DBB-229-1

FRACTIONAL DECIMAL G 2 Z 2 0 LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	994'-9"	995'-9"	999'-9"	999'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	741'-9"	979'-9"
3	999'-9"	999'-9"	979'-9"	719'-9"	719'-1"	999'-9"
4	729'-9"	719'-9"	991'-9"		729'-11 1/2"	719'-9"
5	752'-9"	749'-1"			752'-2 1/2"	739'-9"
6	739'-9"	779'-1"			779'-1"	741'-9"
7		919'-1"				754'-9"
12					791'-1"	771'-9"
14					999'-9"	799'-9"
19		799'-1"				999'-9"

DCA-202-1 (REV. 2)	
M-2143 (R.R.)	E-105943
M-2144 (RWCU.)	E-105944
M-31-2	E-106181 SH. 2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RR	MJ	MJZ	7/1/76

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DCA-202-1

AREA- 31 | ELEV: 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

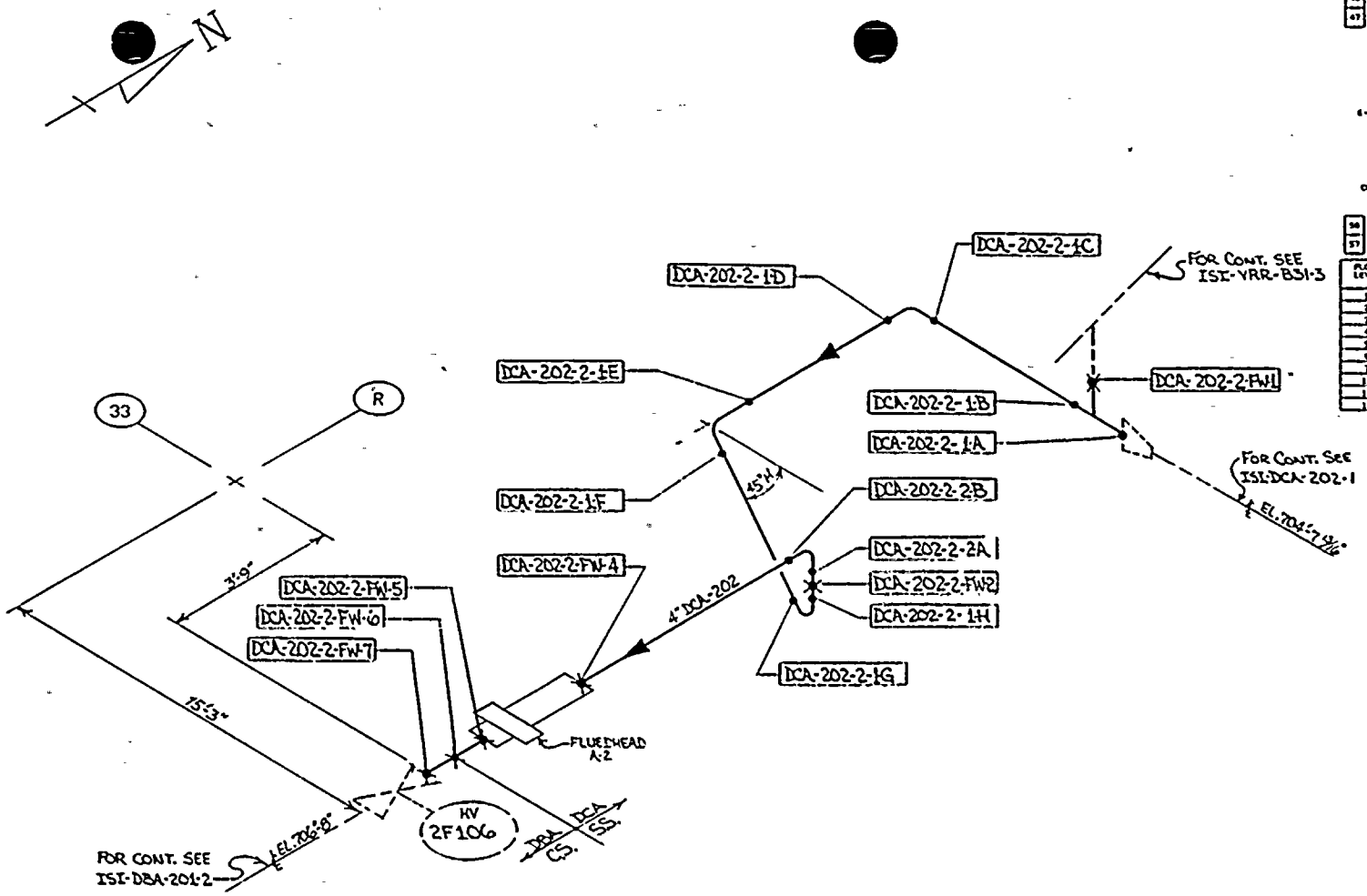
PP&L DRAWING NO. C-201487 | SHEET NO. 1 | REV. NO. 0

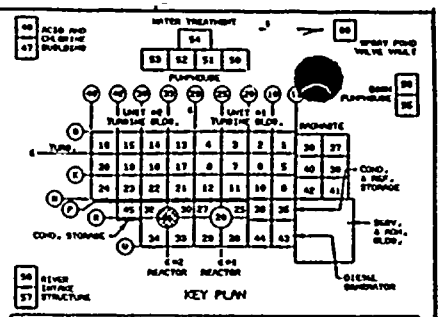
AE DRAWING NO. ISI-DCA-202-1

G 2 2 2 0 G G G G G G M

LOCATION CODES

SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	664'-0"	695'-0"	649'-0"	699'-0"		
2	679'-0"	670'-0"	698'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	699'-0"	678'-0"	719'-0"	719'-1"	699'-0"
4	723'-0"	719'-0"	691'-0"		728'-11 1/2"	719'-0"
5	743'-0"	749'-1"			752'-3 1/2"	739'-0"
6	763'-0"	779'-1"			779'-1"	761'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					899'-0"	793'-0"
16		799'-1"				899'-0"

DCA-202-2 (REV-2)	
M-2143 (R.R)	E-105943
M-2144 (RWCU)	E-105944
M-31-2	E-106181 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DCA-202-2

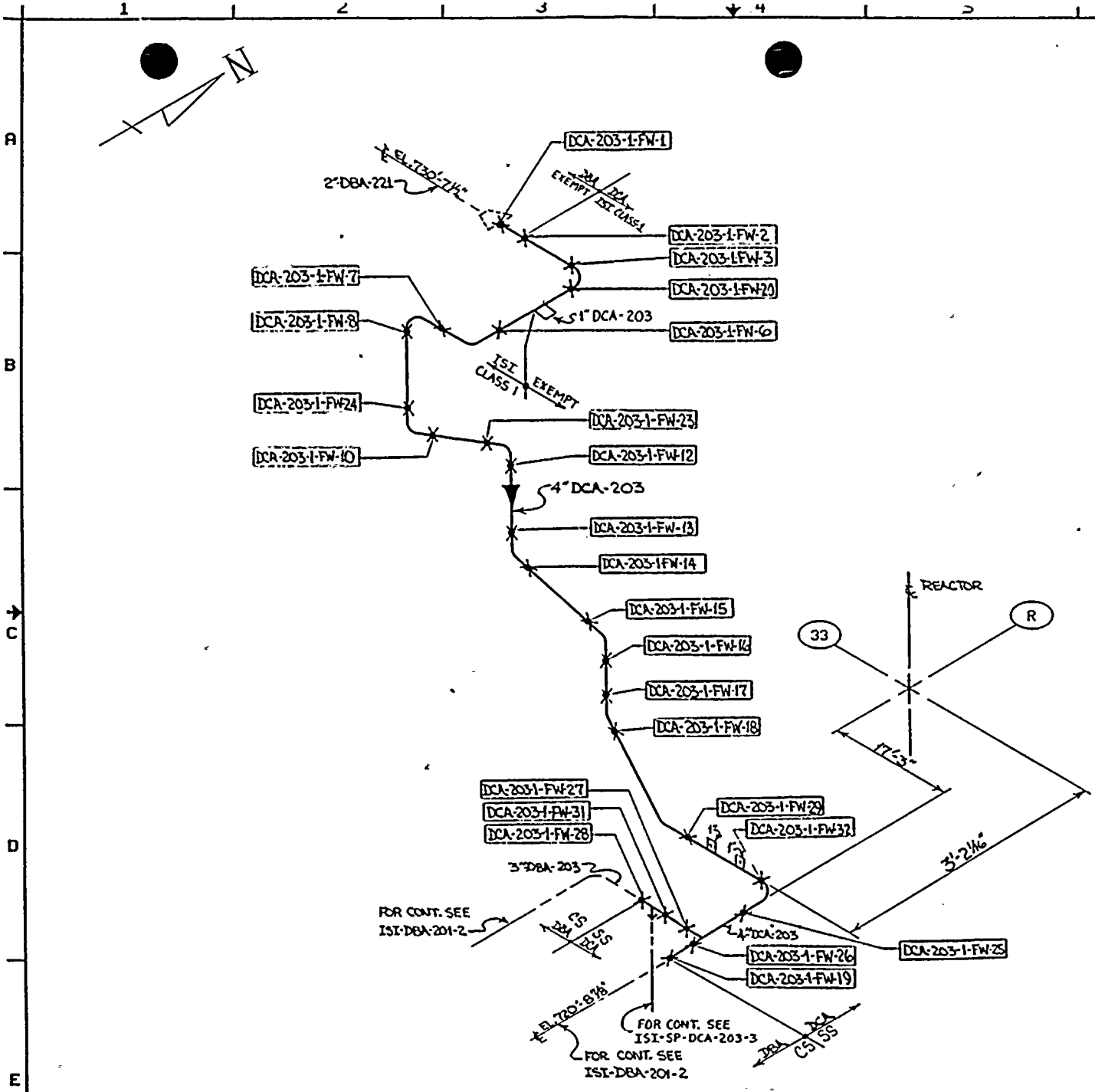
AREA- 31 | ELEV.- 704'0" | SCALE- NONE

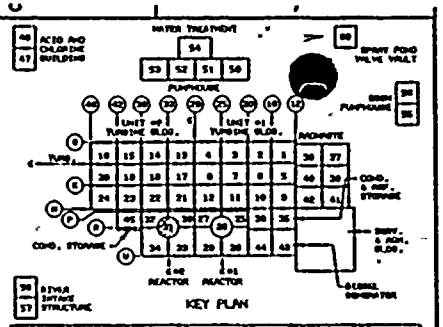
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201488 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-202-2

FRACTIONAL DECIMAL G 2 2 2 0 LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-0"	695'-0"	694'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	694'-0"	697'-0"	679'-0"	718'-0"	719'-1"	694'-0"
4	729'-0"	719'-0"	691'-0"		738'-11 1/2"	719'-0"
5	708'-0"	744'-1"			738'-7 1/2"	728'-0"
6	719'-0"	779'-1"			779'-1"	741'-0"
7		810'-1"				754'-0"
12					791'-1"	771'-0"
14					800'-0"	788'-0"
19		799'-1"				808'-0"

DCA-203-1 (REV.-6)	
M-2144 (RWCU)	E-105944
M-31-3	E-106181 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RG	TPD	MH	7/1/80

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

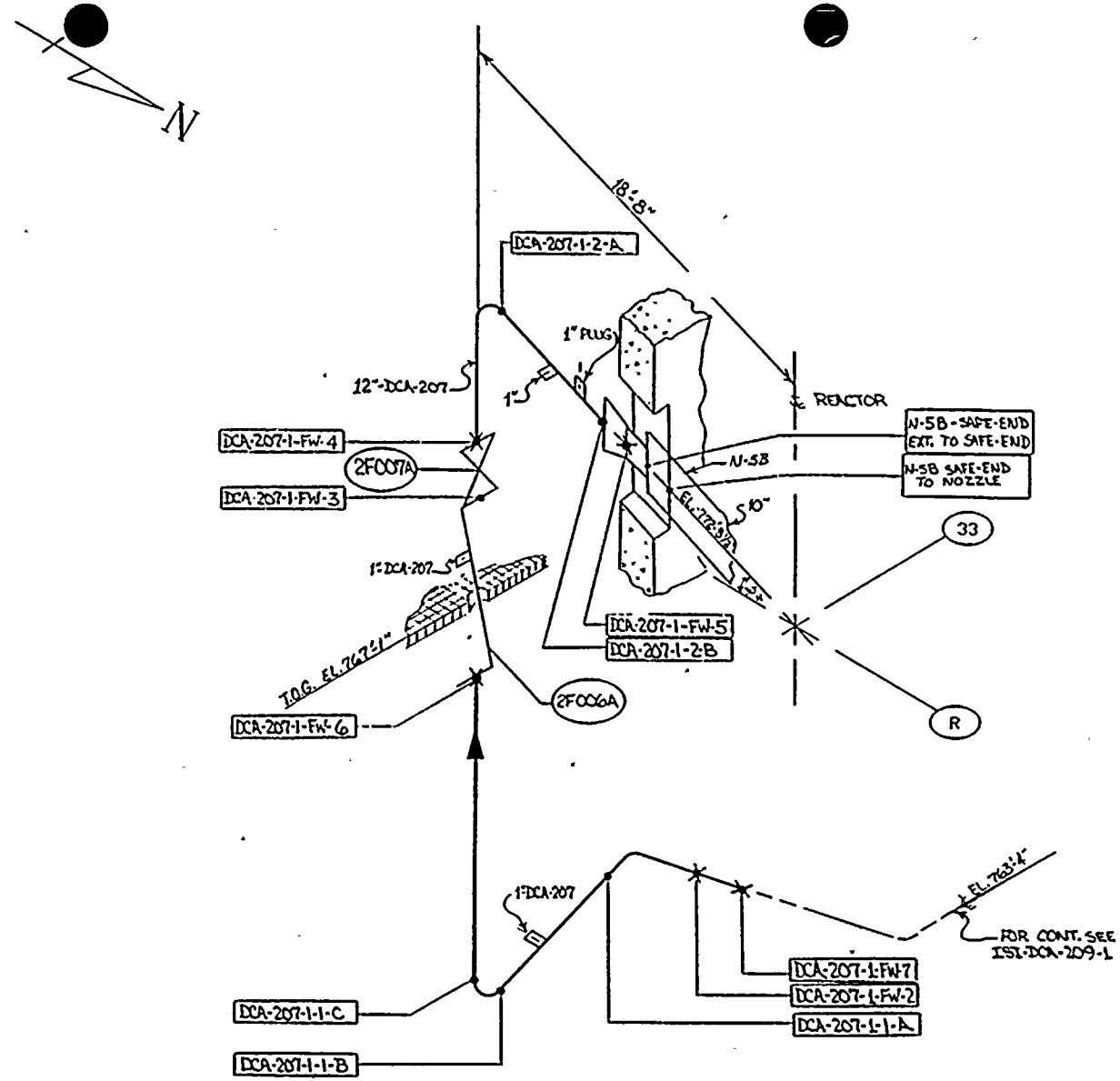
ISI-DCA-203-1

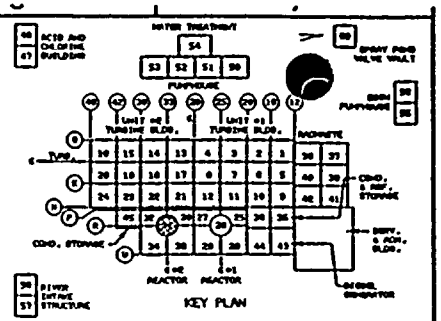
AREA-31 | ELEV. 719'-1" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201501 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-203-1





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CATWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
18		[illegible]				[illegible]

DCA-207-1 (REV-4)	
M-2152 (COND. SPRAY)	E-105952
M-31-12	E-106181 SH.12
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DCA-207-1

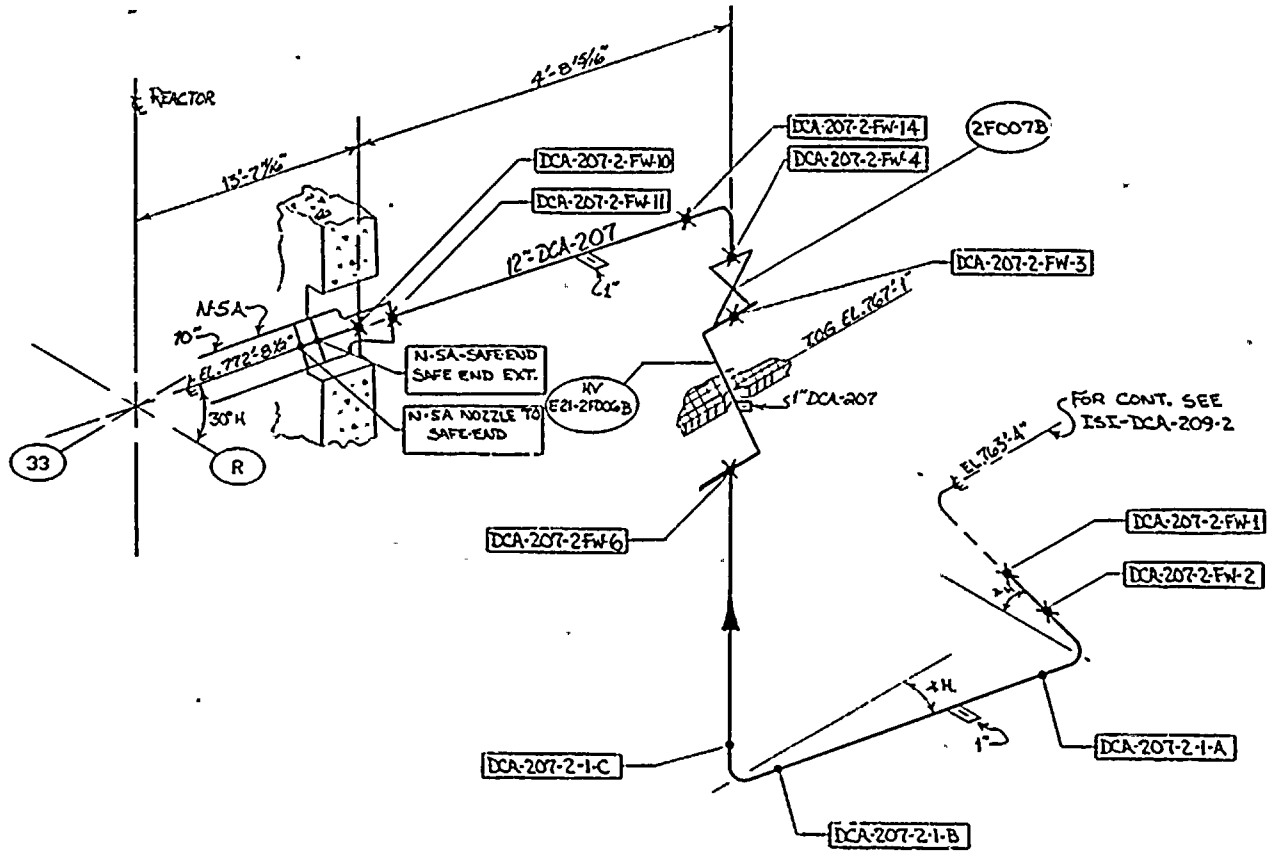
AREA-31 | ELEV: 767'-1" | SCALE- NONE

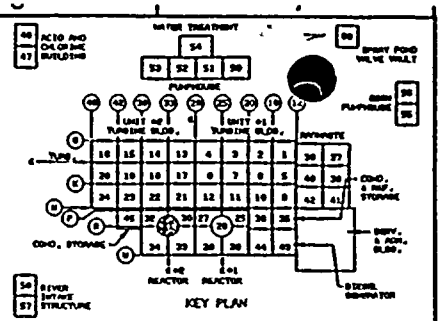
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201494	1	0

AE DRAWING NO. ISI-DCA-207-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	AUXILIARY BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	685'-9"	645'-9"	645'-9"	688'-9"		
2	679'-9"	679'-9"	688'-9"	677'-9"	704'-9"	679'-9"
3	694'-9"	691'-9"	679'-9"	713'-9"	718'-1"	694'-9"
4	719'-9"	719'-9"	691'-9"		738'-11 1/2"	719'-9"
5	737'-9"	749'-1"			738'-2 1/2"	738'-9"
6	715'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					808'-9"	794'-9"
16		799'-1"				808'-9"

DCA-207-2 (Rev.4)	
M-2152 (CORE SPRAY)	E-105952
M-31-12	E-106181 SHT.12
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-DCA-207-2

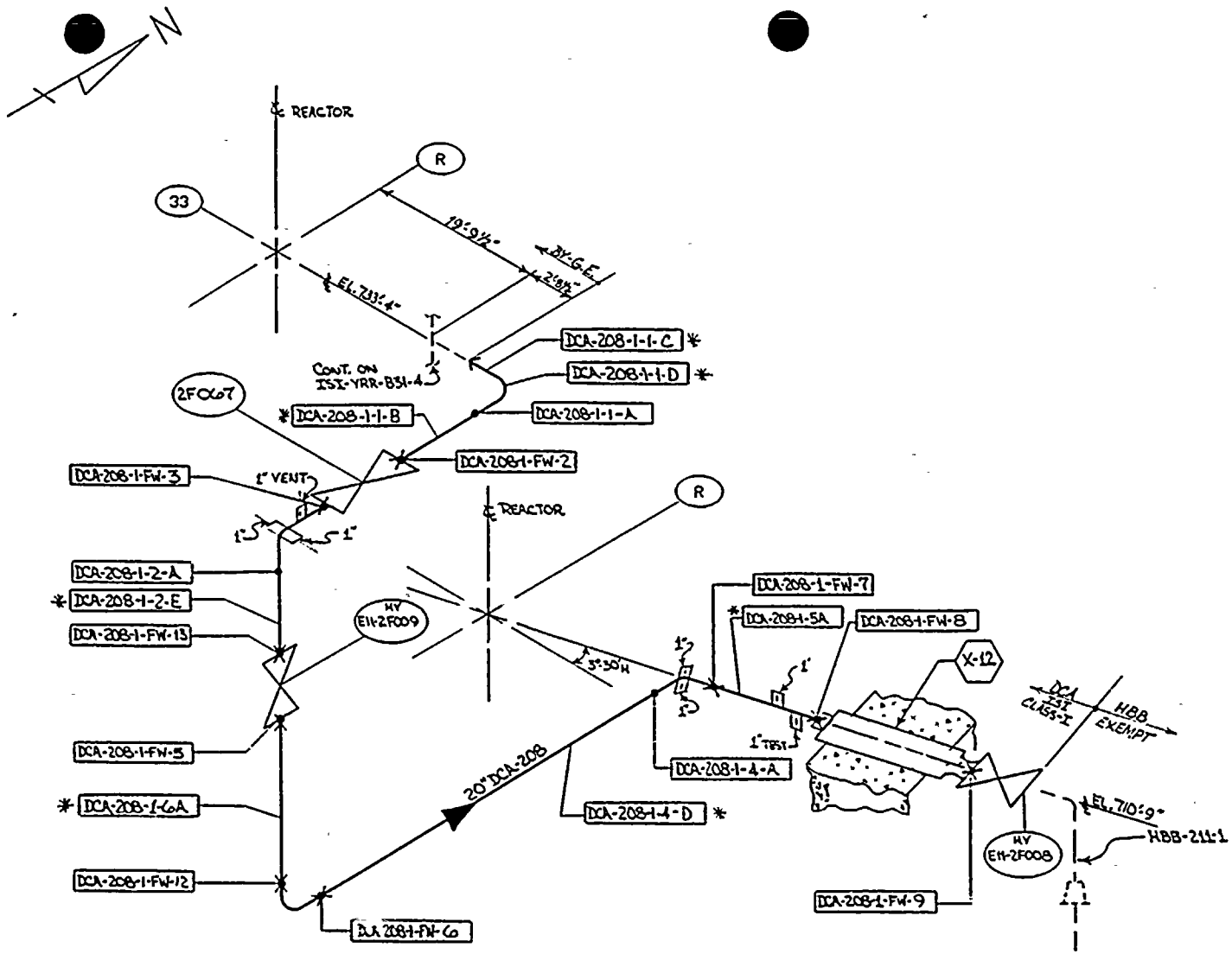
AREA- 31 | ELEV.-767'-1" | SCALE- NONE

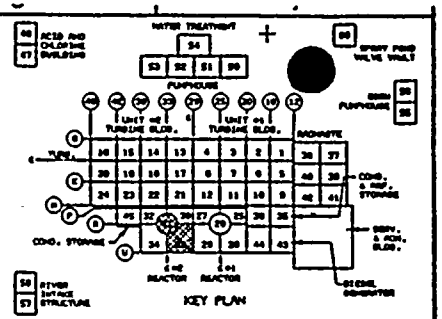
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201495 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-207-2

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPENT FUEL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-0"	699'-0"	699'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	754'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	719'-0"	719'-1"	698'-0"
4	779'-0"	719'-0"	691'-0"		739'-11½"	714'-0"
5	754'-0"	749'-1"			754'-2½"	739'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					793'-1"	771'-0"
14					818'-0"	783'-0"
18		798'-1"				818'-0"

* LONGITUDINAL WELD

DCA-208-1(Rev.1)	
M-2151 (RHR)	E-105951 SH.2
M-31-2	E-106181 SH.2
M-31-3	E-106181 SH.3
M-33-3	E-106183 SH.7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-DCA-208-1

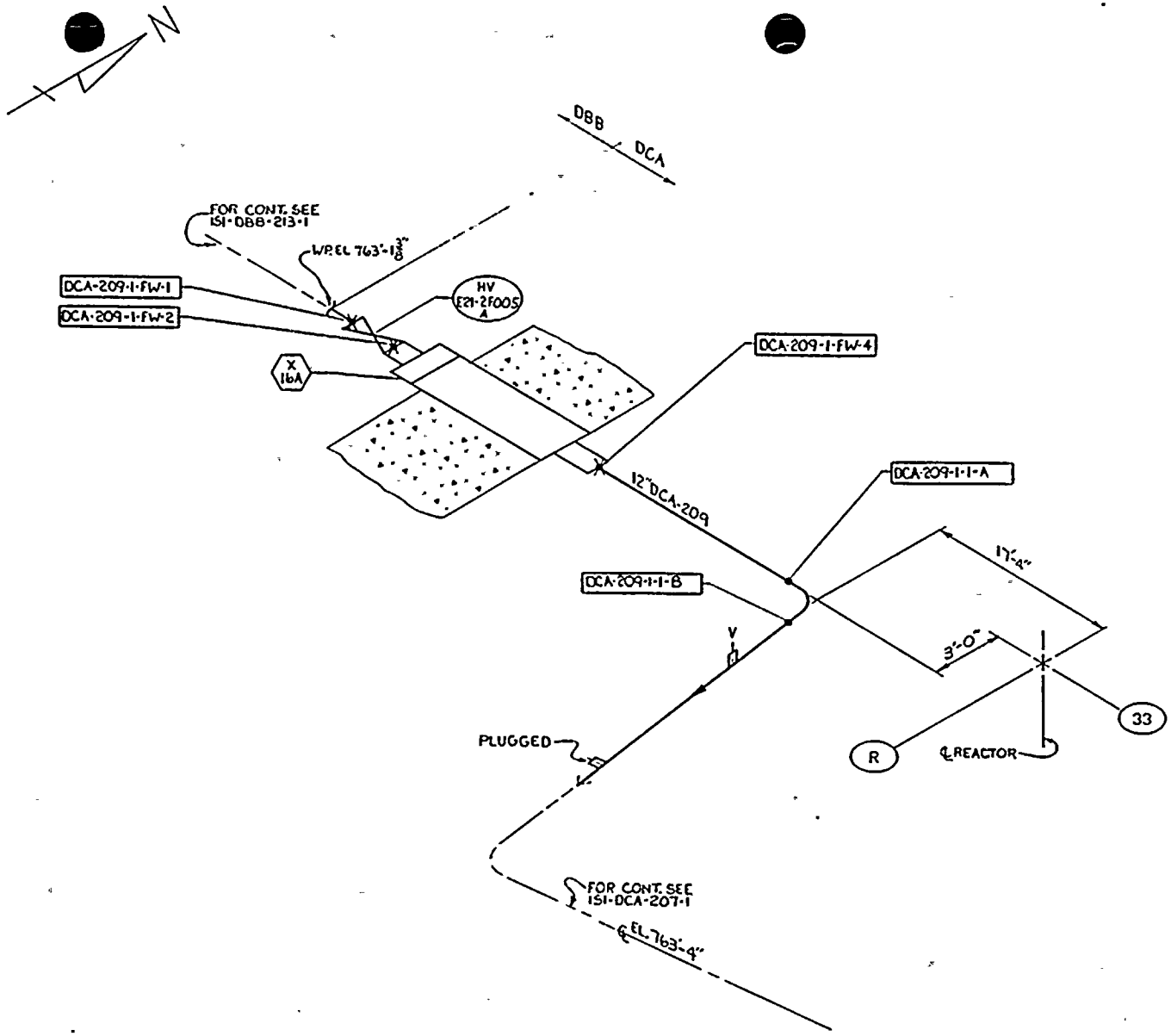
AREA-31&33 | ELEV-704'-0 | SCALE- NONE

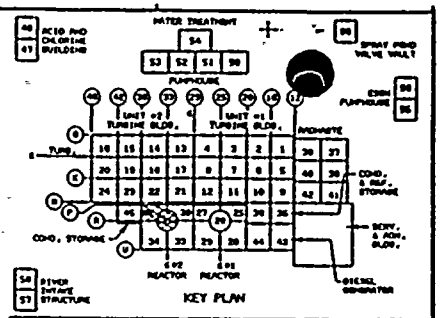
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201496 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-208-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	564'-9"	645'-9"	646'-9"	666'-9"		
2	574'-9"	679'-9"	699'-9"	677'-9"	704'-9"	676'-9"
3	599'-9"	692'-9"	679'-9"	710'-9"	713'-1"	698'-9"
4	729'-9"	718'-9"	721'-9"		729'-11 1/2"	714'-9"
5	745'-9"	740'-1"			752'-2 1/2"	733'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					799'-9"	787'-9"
19		799'-1"				840'-9"

M-2152 (CORE SPRAY)	E105952
M-31	E106181 SHT. 12
M-32-5	E106182 SHT. 5
DCA-209-1 (REV 3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	MAF	VD		

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DCA-209-1

AREA 31,32 | ELEV. 749'1" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

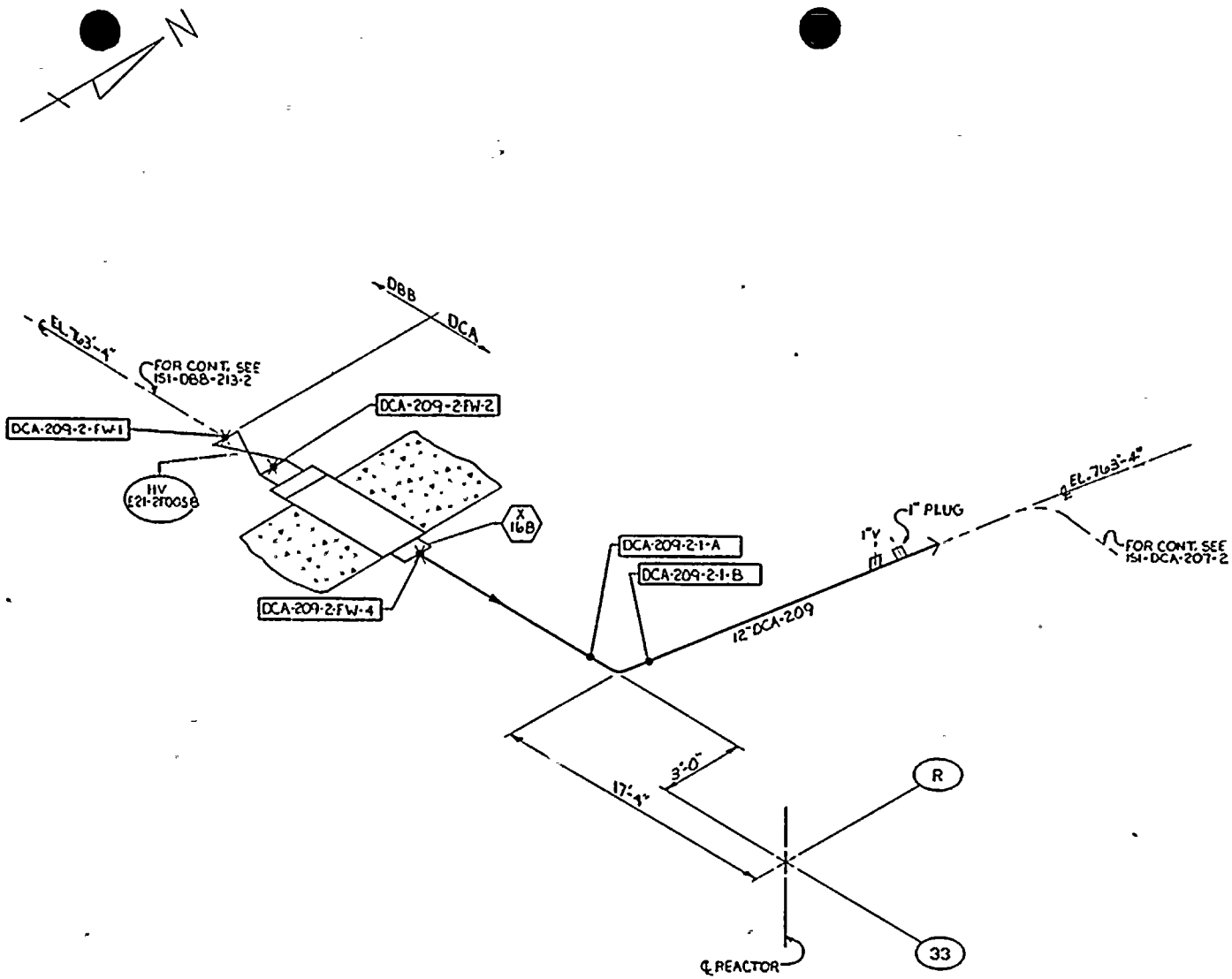
PP&L DRAWING NO. C201497 | SHEET NO. 1 | REV. NO. 0

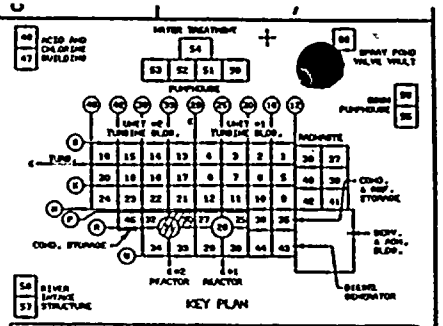
AE DRAWING NO. ISI-DCA-209-1

FRACTIONAL DECIMAL

G 2 2 2 0 | G | G | G | G | G | H | SORTS

LOCATION CODES





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	844'-0"	844'-0"	844'-0"	844'-0"		
2	879'-0"	879'-0"	844'-0"	877'-0"	754'-0"	879'-0"
3	899'-0"	893'-0"	879'-0"	719'-0"	719'-1"	844'-0"
4	779'-0"	719'-0"	844'-0"		739'-11½"	719'-0"
5	792'-0"	749'-1"			752'-2½"	739'-0"
6	719'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					844'-0"	799'-0"
19		799'-1"				844'-0"

M-2152 (CORE SPRAY)	E105952
M-30-5	E106180 SHT.5
M-31-12	E106181 SHT.12
DCA-209-2 (REV. 4)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	MAF			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DCA-209-2

AREA 30,31 | ELEV. 752'-2½" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

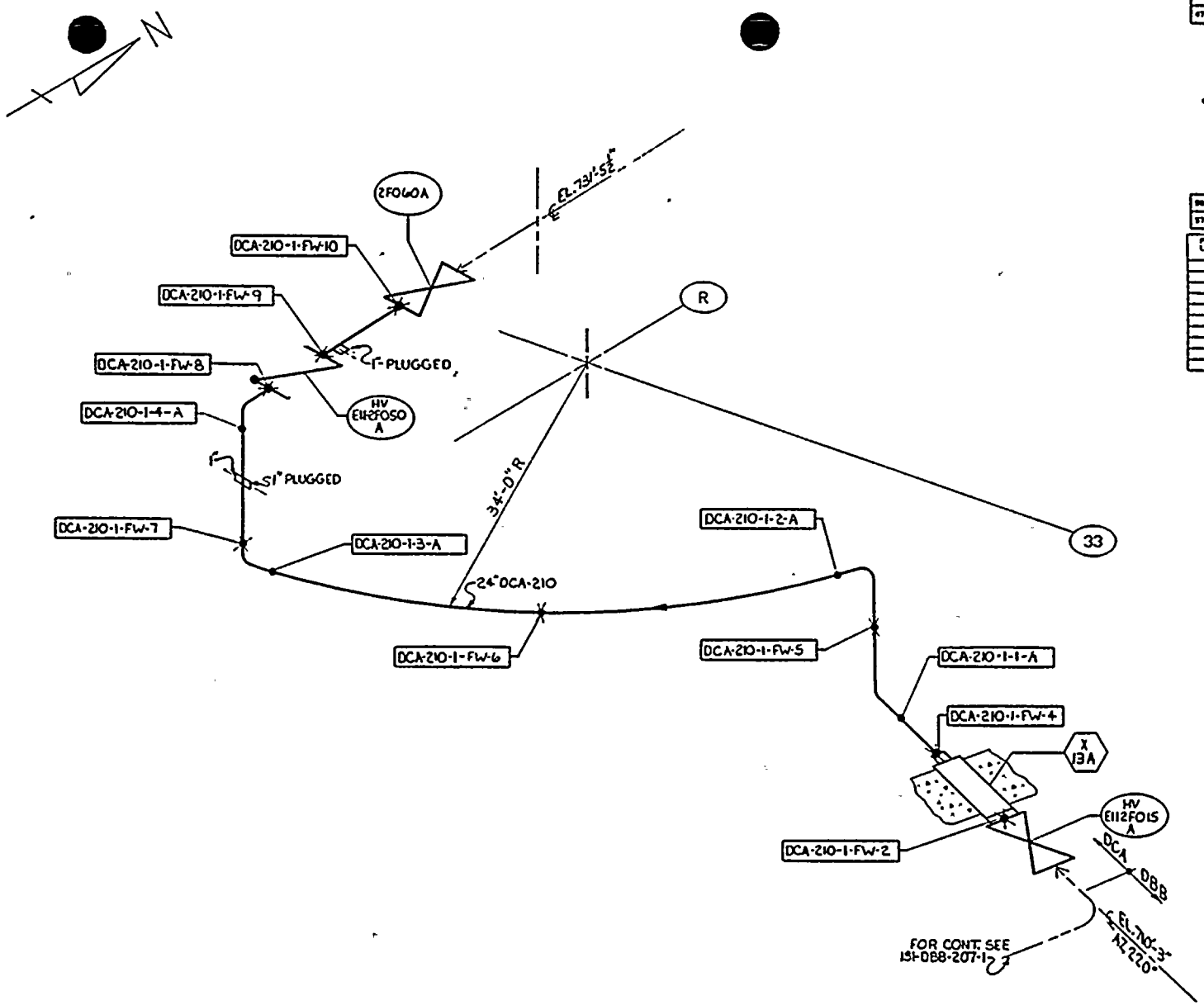
PP&L DRAWING NO. C-201498 | SHEET NO. 1 | REV. NO. 0

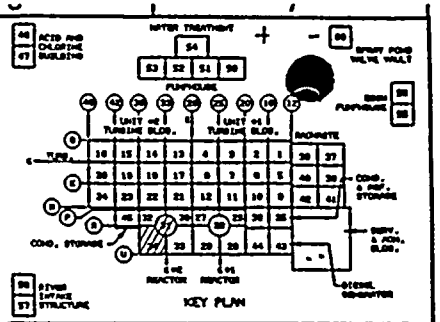
AE DRAWING NO. ISI-DCA-209-2

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 2 2 0 G G G G G M

LOCATION CODES | SUFFIX





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	669'-0"	645'-0"	649'-0"	660'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	688'-0"	682'-0"	679'-0"	719'-0"	719'-1"	688'-0"
4	703'-0"	713'-0"	691'-0"		726'-11½"	714'-0"
5	708'-0"	749'-1"			732'-11½"	720'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					781'-1"	771'-0"
14					819'-0"	788'-0"
19		799'-1"				808'-0"

M-2151 (RHR)	E105951 SHT. 1
M-31-2	E106181 SHT. 2
M-31-3	E106181 SHT. 3
M-34-3	E106184 SHT. 3
DCA-210-1 (REV. 4)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DCA-210-1

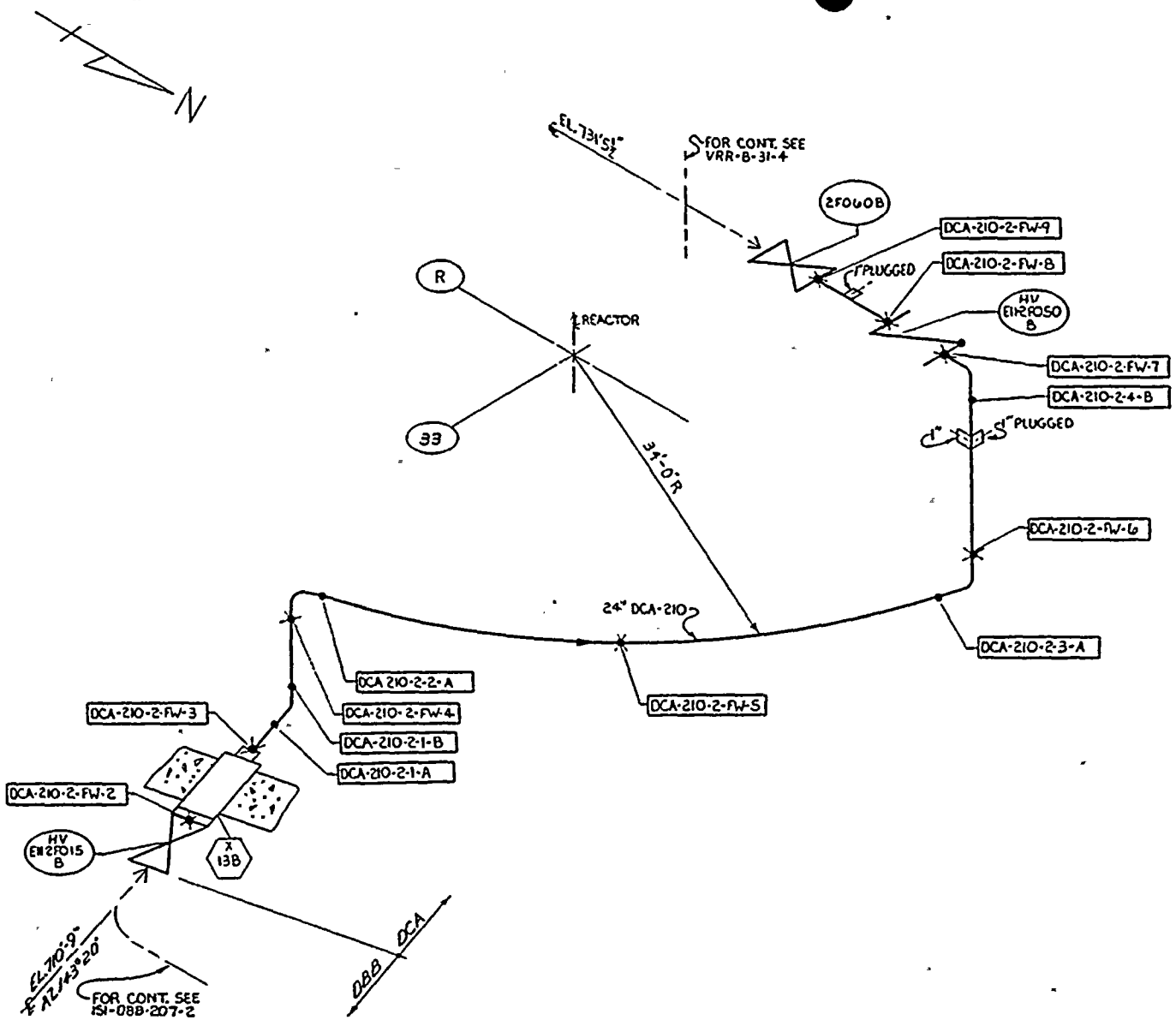
AREA 31,34 | ELEV. 704'-0" | SCALE- NONE

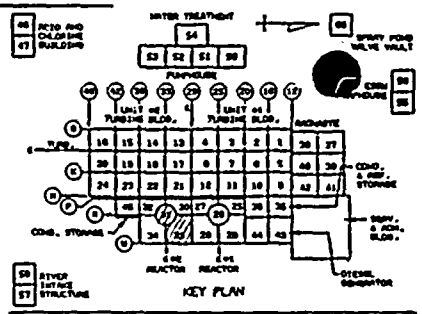
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201499 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-210-1

FRACTIONAL DECIMAL G 2 2 2 0 LOCATION CODES SHTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	645'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	599'-9"	677'-9"	754'-9"	679'-9"
3	699'-9"	697'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	721'-6"	719'-9"	691'-9"		736'-11½"	719'-9"
5	732'-9"	749'-1"			732'-2½"	732'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					781'-1"	771'-9"
14					899'-9"	782'-9"
19		799'-1"				899'-9"

M-2151 (R.H.R.)	E105951 SHT.2
M-31-2	E106181 SHT.2
M-31-3	E106181 SHT.3
M-33-3	E106183 SHT.3
DCA-210-2 (REV. 4)	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

WELD IDENTIFICATION

ISI-DCA-210-2

AREA 31,33 | ELEV. 704'-0" | SCALE- NONE

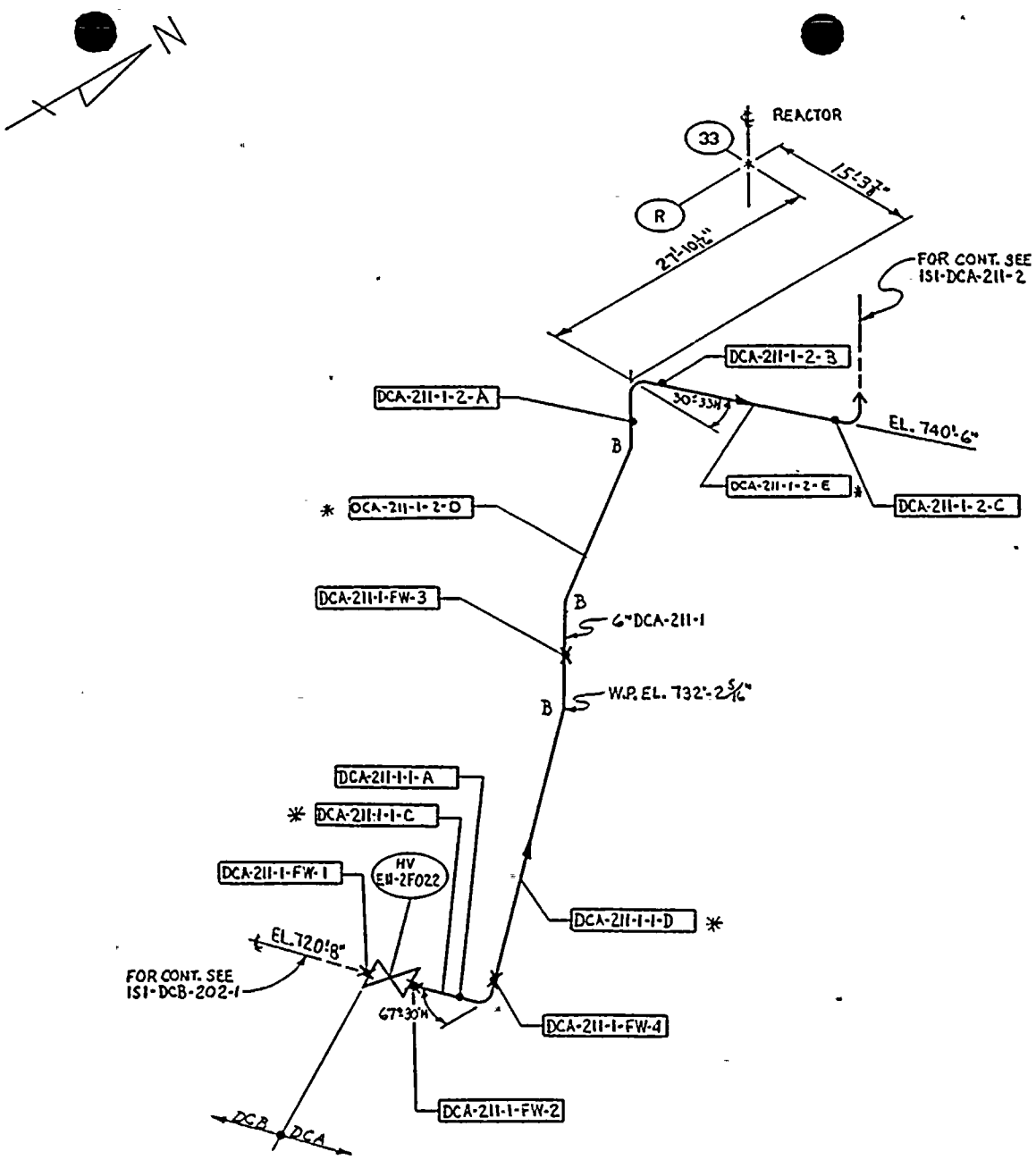
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

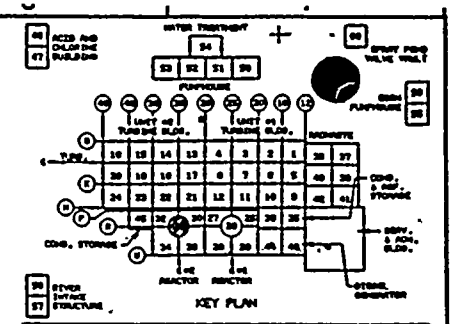
PP&L DRAWING NO. C-201500 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-210-2

G 2 Z 2 0 | G | G | G | G | M

LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM DESUPERHEATER EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

NOTES:
1. * - DENOTES LONGITUDINAL SEAM WELD.

M-2141 (NCLR.BLR.)	E-105941
M-2151 SH.1 (R.H.R.)	E-105951 SH.1
M-31-3	E-106181 SH.3
M-31-4	E-106181 SH.4
DCA-211-1 (REV.2)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DCA-211-1

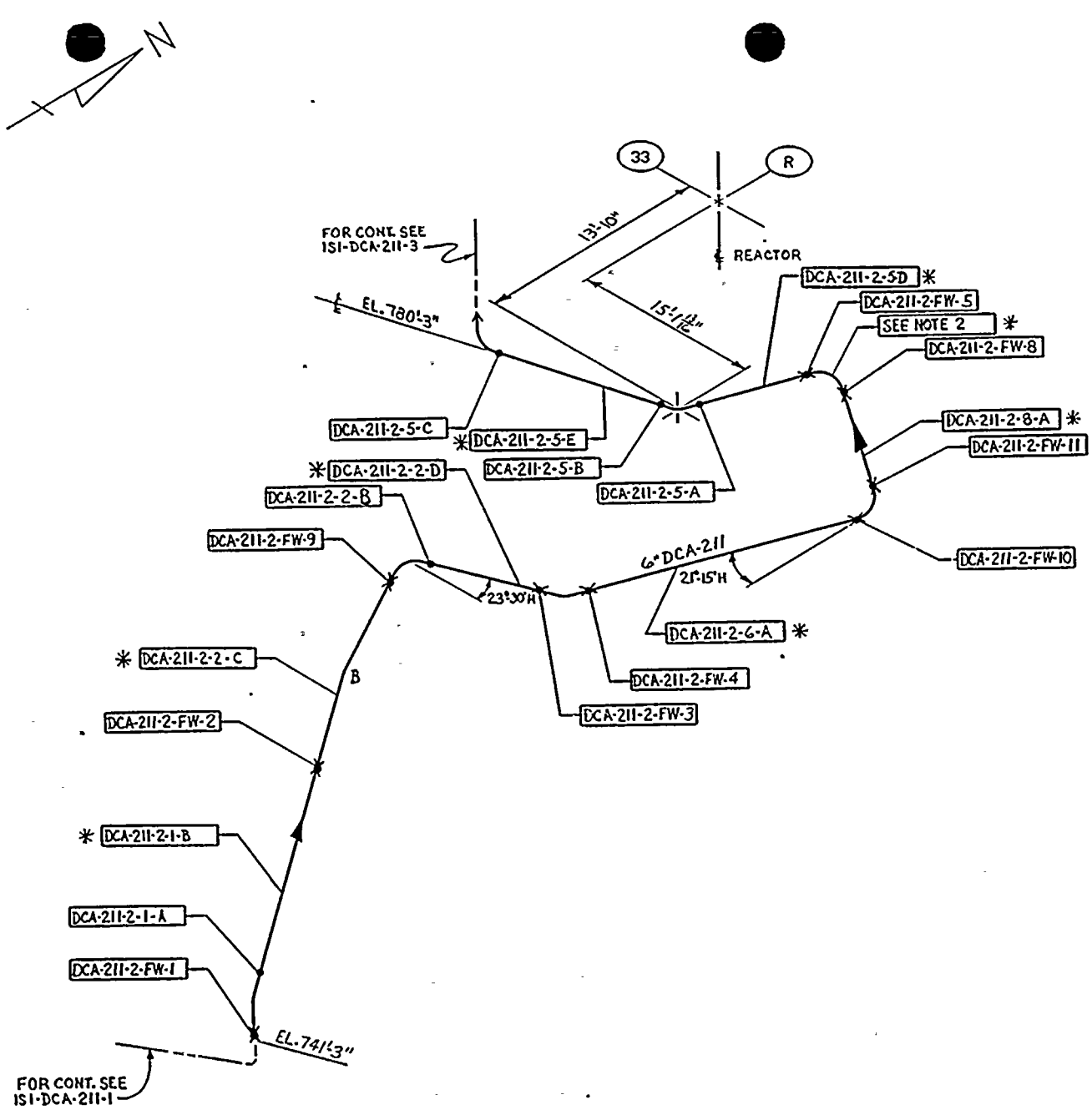
AREA 31 | ELEV. 719'-1" | SCALE- NONE

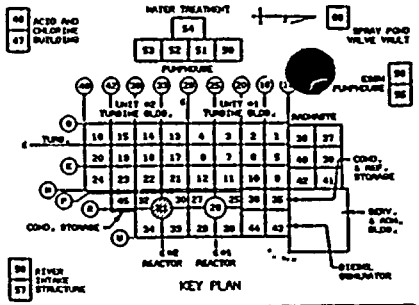
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201502	1	0

AE DRAWING NO.
ISI-DCA-211-1

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 | G | G | G | G | H | LOCATION CODES | SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-0"	695'-0"	699'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	697'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	723'-0"	719'-0"	691'-0"		729'-11 1/4"	719'-0"
5	752'-0"	749'-1"			752'-3 1/4"	729'-0"
6	719'-0"	779'-1"			779'-1"	751'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					804'-0"	793'-0"
19		799'-1"				808'-0"

NOTES:
1. * - DENOTES LONGITUDINAL SEAM WELD.
2. PIPE/FITTING MAY CONTAIN LONGITUDINAL SEAM WELD(S). FIELD TO VERIFY PRESENCE OF SEAM WELD(S) DURING INSERVICE INSPECTION.

M-2141 (NCLR. BLR.)	E-105941
M-2151 (R.H.R)	E-105951
M-31-4	E-106181 SH.4
M-31-12	E-106181 SH.12
DCA-211-2 (REV.3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DCA-211-2

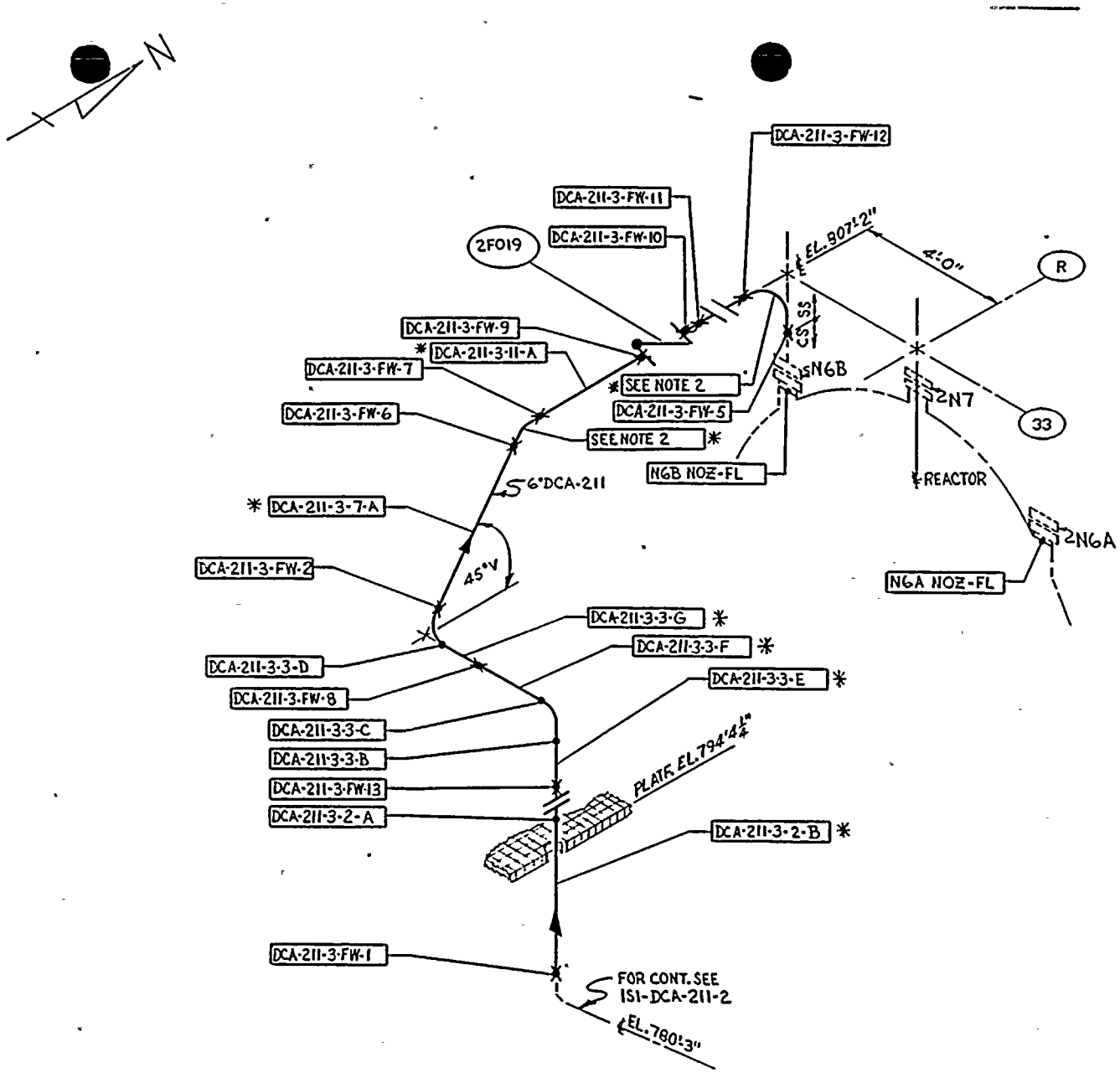
AREA 31 | ELEV. 738'-11 | SCALE- NONE

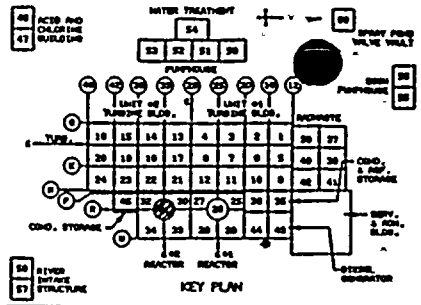
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201503 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-211-2

FRACTIONAL | DECIMAL | G 2 Z 2 0 | G | G | G | G | LOCATION CODES | M | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	859'-9"	845'-9"	845'-9"	845'-9"		
2	879'-9"	879'-9"	845'-9"	877'-9"	781'-9"	879'-9"
3	899'-9"	897'-9"	879'-9"	719'-9"	719'-1"	899'-9"
4	723'-9"	718'-9"	881'-9"		738'-11 1/2"	719'-9"
5	752'-9"	738'-1"			738'-11 1/2"	738'-9"
6	719'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					859'-9"	798'-9"
19		798'-1"				899'-9"

NOTES:
1. * - DENOTES LONGITUDINAL SEAM WELD.
2. PIPING/FITTING MAY CONTAIN LONGITUDINAL SEAM WELD(S). FIELD TO VERIFY PRESENCE OF SEAM WELD DURING INSERVICE INSPECTION.

M-2141 (NCLR.BLR.)	E-105941
M-2151 SH.1 (R.H.R.)	E-105951
M-31-12	E-106181 SH.12
M-31-14	E-106181 SH.14
DCA-211-3 (REV.5)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DCA-211-3

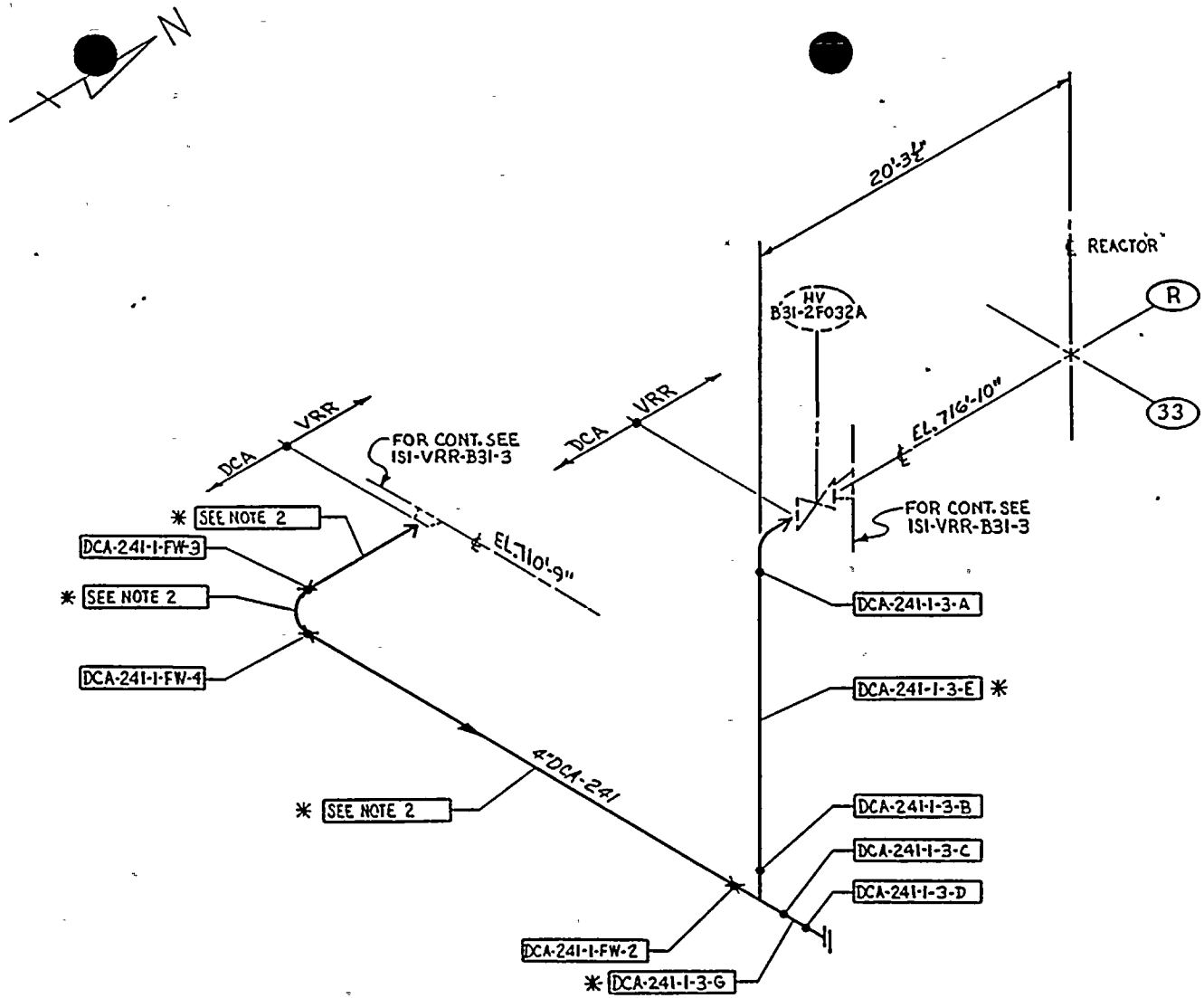
AREA 31 | ELEV. 779'-1" | SCALE- NONE

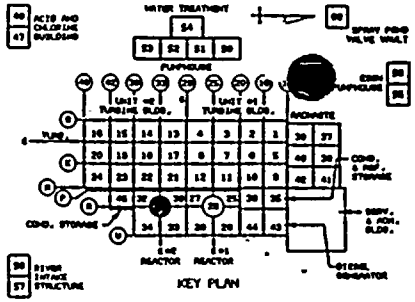
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201504 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-211-3

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-9"	695'-9"	698'-9"	698'-9"		
2	679'-9"	679'-9"	698'-9"	677'-9"	754'-9"	679'-9"
3	698'-9"	692'-9"	679'-9"	718'-9"	718'-1"	698'-9"
4	772'-9"	718'-9"	691'-9"		738'-11½"	714'-9"
5	752'-9"	749'-1"			752'-2½"	722'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
15					818'-9"	792'-9"
18		798'-1"				808'-9"

NOTES:
1. ✱-DENOTES LONGITUDINAL SEAM WELD.
2. PIPING/FITTING MAY CONTAIN LONGITUDINAL SEAM WELD(S). FIELD TO VERIFY PRESENCE OF SEAM WELD DURING INSERVICE INSPECTION.

M-2143(REAC.RECIRC.)	E-105943
M-31-2	E-106181 SH.2
DCA-241-1 (REV.1)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2.

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DCA-241-1

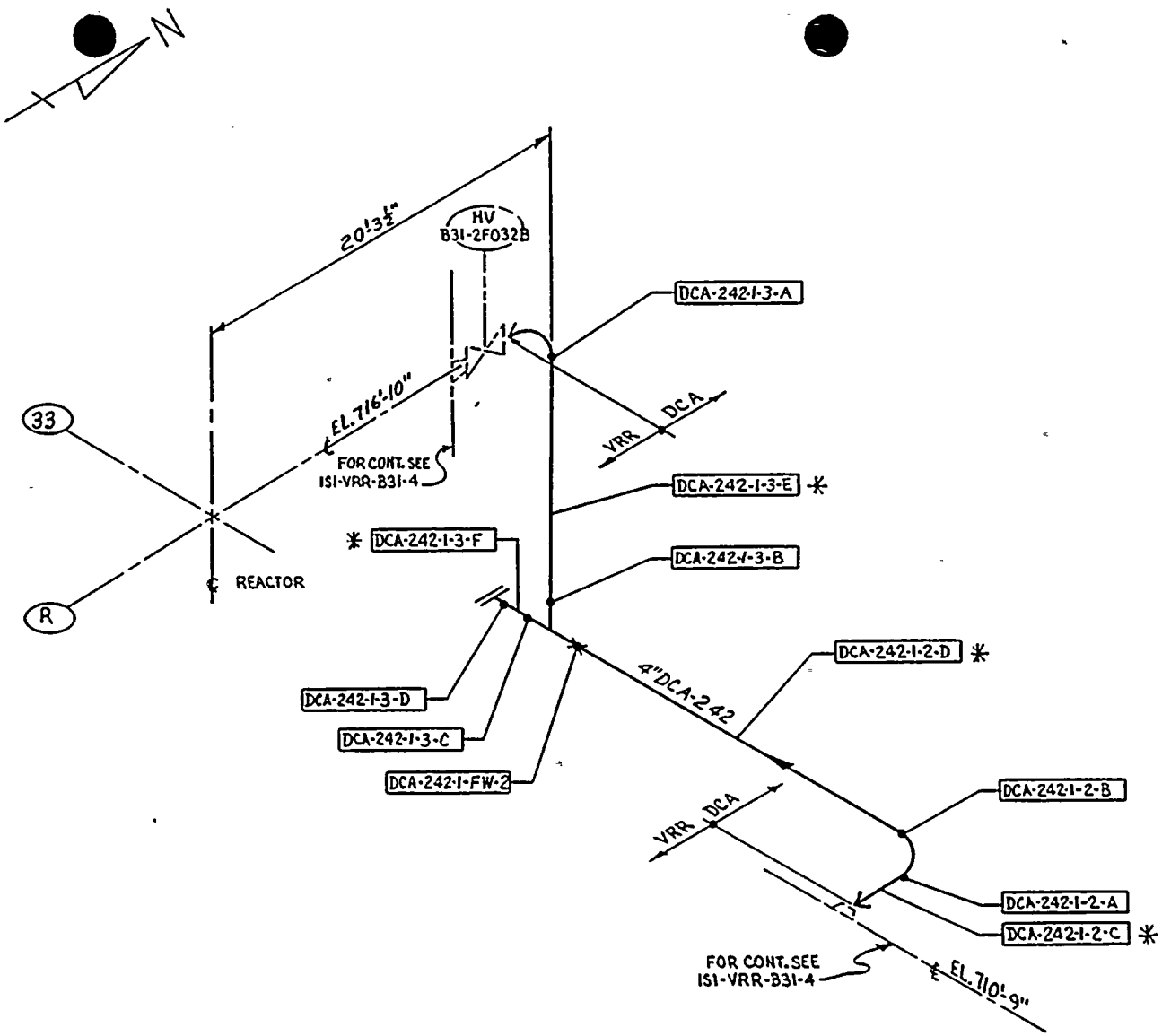
AREA 31 | ELEV. 704'-0" | SCALE- NONE

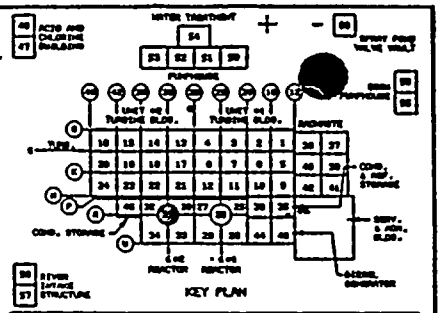
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201505 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-241-1

FRACTIONAL DECIMAL G 2 Z 2 0 G LOCATION CODES G G G M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	585'-9"	595'-9"	595'-9"	585'-9"		
2	675'-9"	675'-9"	695'-9"	677'-9"	735'-9"	675'-9"
3	695'-9"	695'-9"	675'-9"	718'-9"	735'-1"	695'-9"
4	735'-9"	718'-9"	695'-9"		735'-11 1/16"	715'-9"
5	755'-9"	735'-1"			755'-2 1/16"	735'-9"
6	715'-9"	775'-1"			775'-1"	755'-9"
7		815'-1"				775'-9"
12					795'-1"	775'-9"
14					835'-9"	795'-9"
19		795'-1"				835'-9"

NOTES:
1. *-DENOTES LONGITUDINAL SEAM WELD.

M-2143(RX.RECIRC.)	E-105943
M-31-2	E-106181 SH.2
DCA-242-1 (REV.2)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DCA-242-1

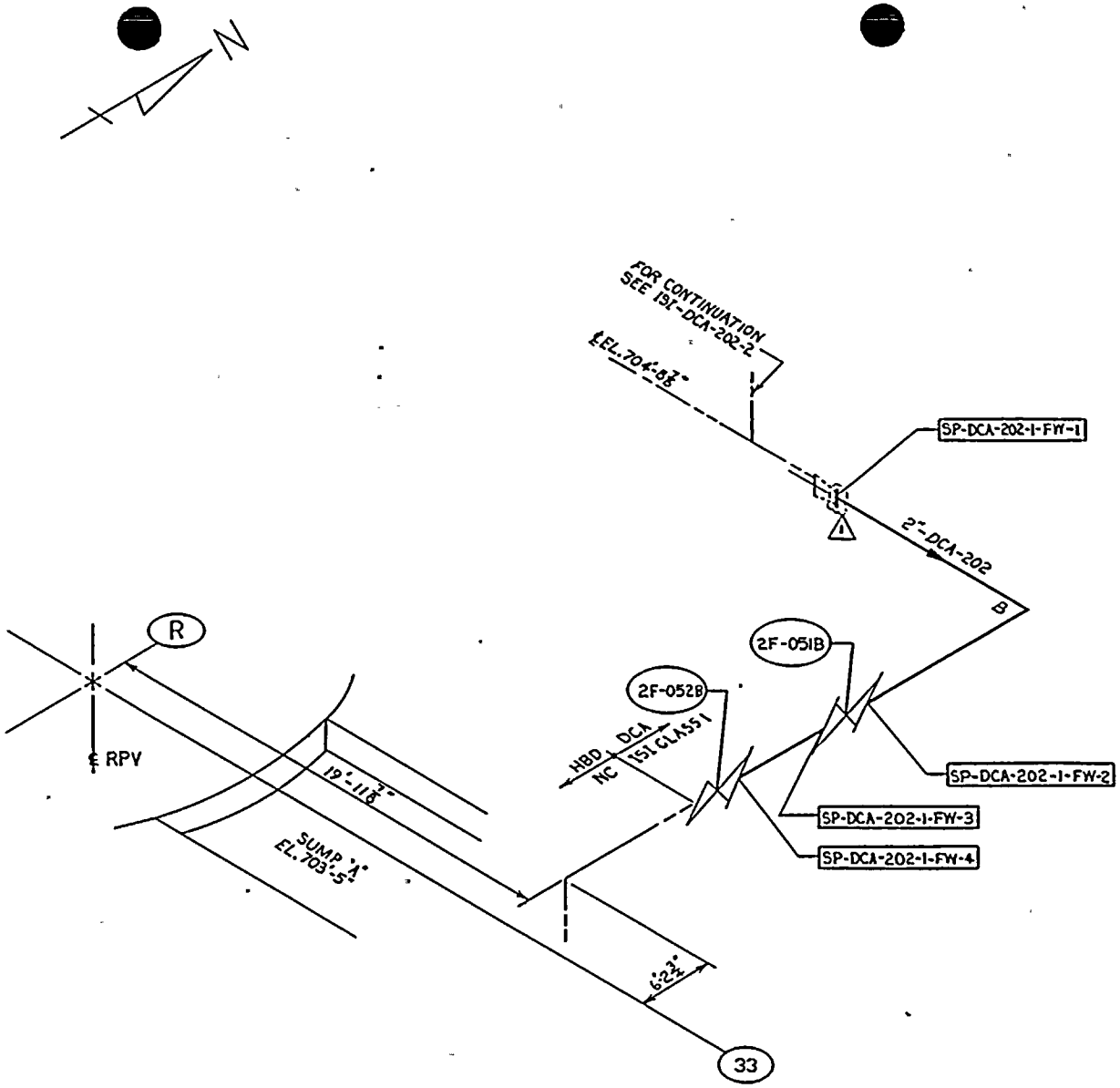
AREA 31 | ELEV.704'-0 | SCALE- NONE

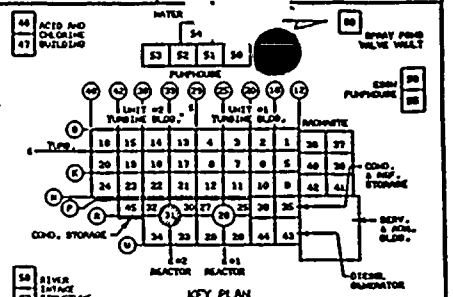
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201506 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-242-1

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	695'-9"	695'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	718'-9"	718'-1"	699'-9"
4	729'-9"	718'-9"	693'-9"		729'-11 1/2"	714'-9"
5	752'-9"	749'-1"			752'-7 1/2"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					808'-9"	793'-9"
19		799'-1"				808'-9"

M-2143 (REAC. RECIRC)	E-105943
SP-31-2C	E-162279 SH.2B
SP-31-15	E-162279 SH.15
SP-DCA-202-1 (REV.12)	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH		APPROVED	DATE
1	INCORP DCN 10 (85-4093).	S			DJM	6/23/86
0	INITIAL ISSUE	UM	VD			4/10

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

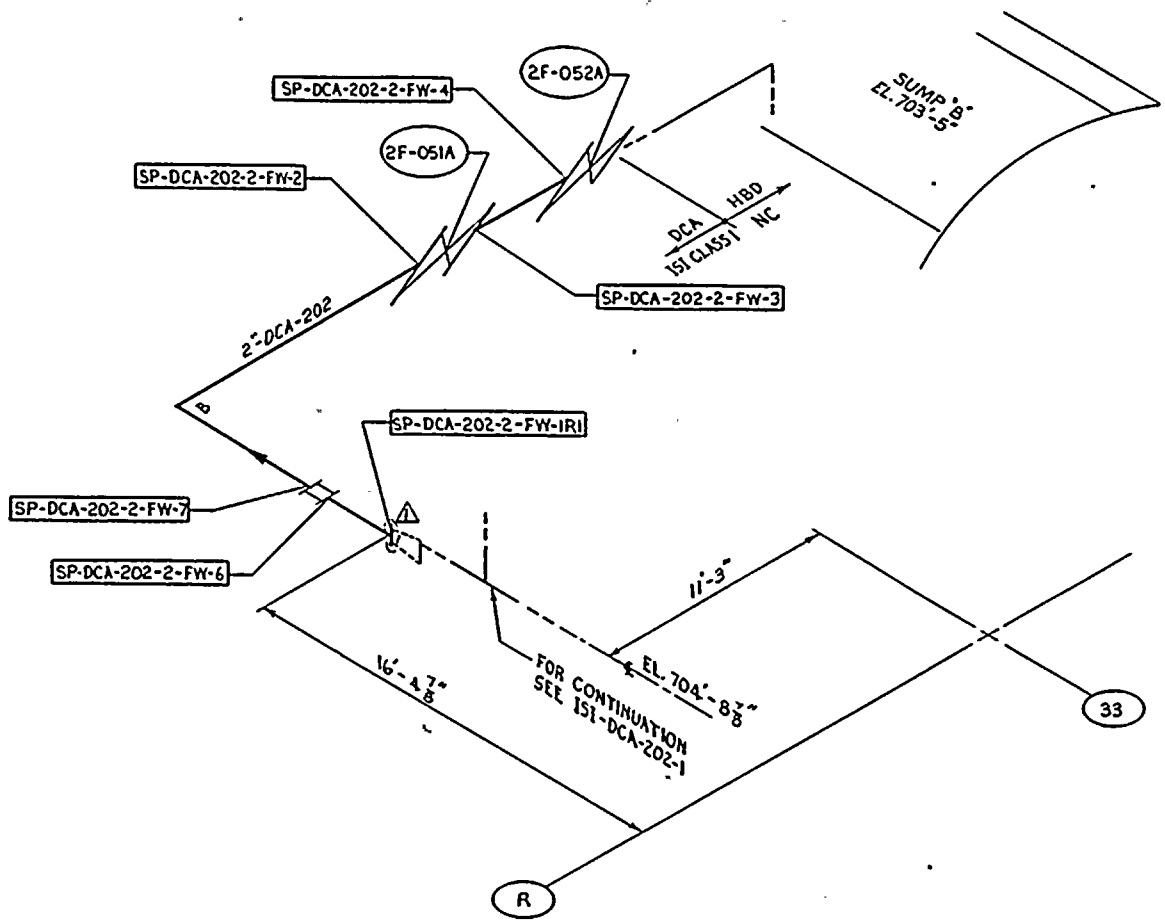
INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-SP-DCA-202-1

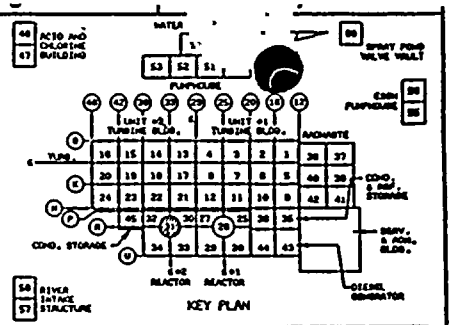
AREA 31 | ELEV. 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199542 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-SP-DCA-202-1





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	645'-0"	649'-0"	690'-0"		
2	676'-0"	670'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	693'-0"	676'-0"	718'-0"	718'-1"	688'-0"
4	722'-0"	718'-0"	681'-0"		728'-11 1/4"	714'-0"
5	742'-0"	749'-1"			752'-7 1/4"	727'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					781'-1"	771'-0"
14					908'-0"	792'-0"
16		799'-1"				808'-0"

M-2143 (REAC. RECIRC.)	E-105943
SP-31-2B	E-162279 SH.2B
SP-31-15	E-162279 SH.15
SP-DCA-202-2 (REV.1)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
1	INCORP. DCN 10 (85-4094).	S				
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

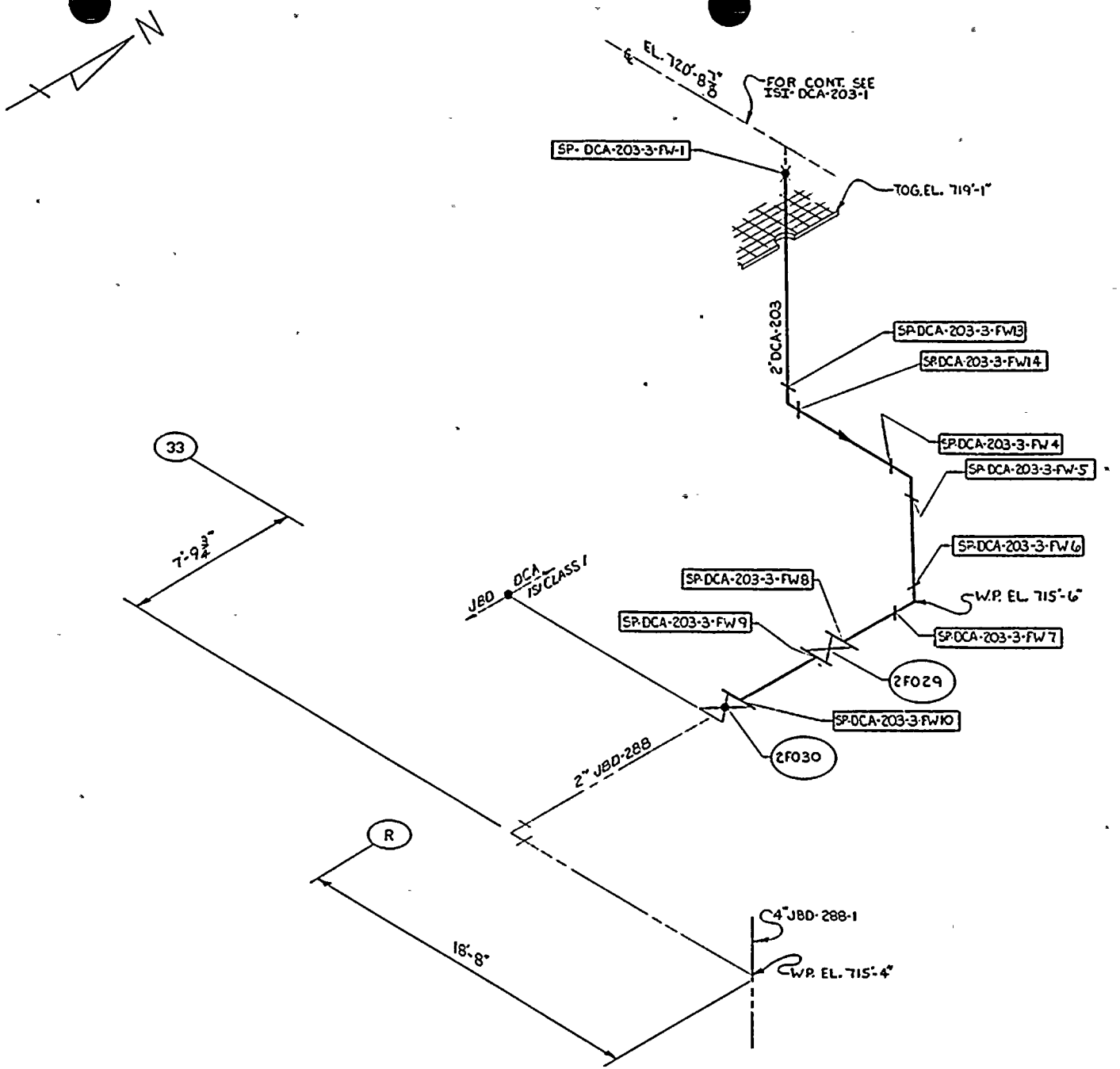
INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-SP-DCA-202-2

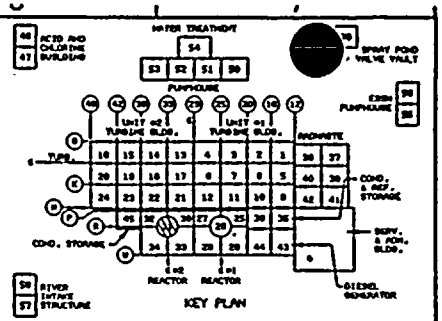
AREA 31 | ELEV. 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199543 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-SP-DCA-202-2





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-0"	695'-0"	699'-0"	699'-0"		
2	679'-0"	672'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	697'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	723'-0"	719'-0"	693'-0"		728'-11 1/4"	719'-0"
5	732'-0"	749'-1"			732'-2 1/4"	723'-0"
6	714'-0"	772'-1"			772'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					838'-0"	793'-0"
18		799'-1"				838'-0"

M-2144 (RWCU)	E105944
SP-31-2	E162279 SHT. 2
SP-DCA-203-3 (REV 11)	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

WELD IDENTIFICATION

ISI-SP-DCA-203-3

AREA 31 | ELEV. 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199564 | SHEET NO. 1 | REV. NO. 0

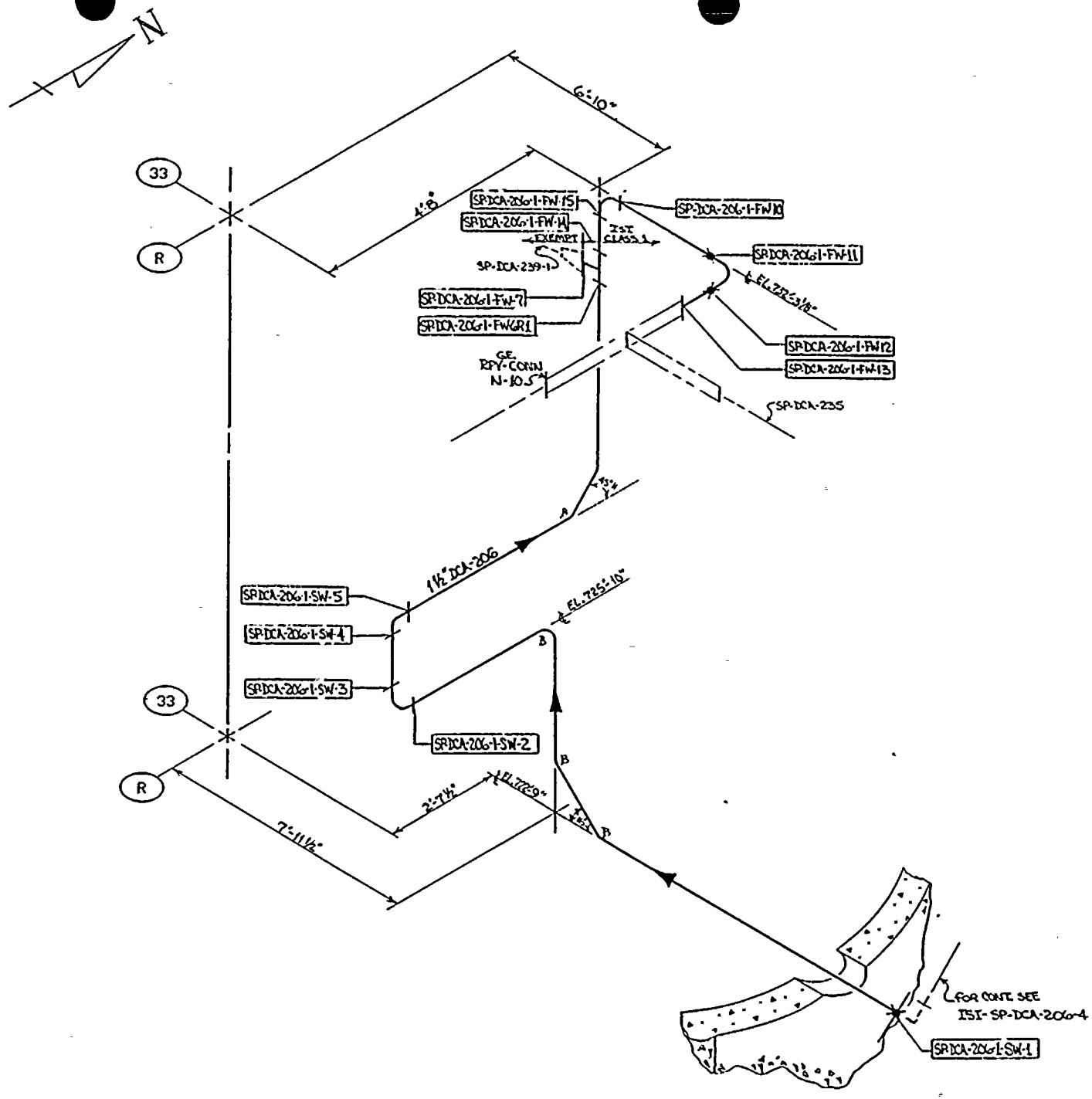
AE DRAWING NO. ISI-SP-DCA-203-3

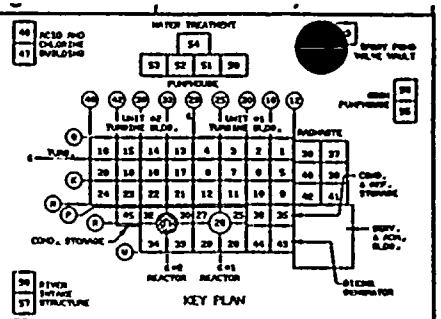
FRACTIONAL DECIMAL

G 2 2 2 0 G G G G

LOCATION CODES

M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-9"	995'-9"	999'-9"	999'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	791'-9"	979'-9"
3	999'-9"	999'-9"	979'-9"	719'-9"	719'-1"	999'-9"
4	739'-9"	719'-9"	991'-9"		739'-11 1/2"	719'-9"
5	782'-9"	739'-1"			782'-2 1/2"	739'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		810'-1"				754'-9"
12					791'-1"	771'-9"
14					999'-9"	791'-9"
19		799'-1"				999'-9"

SP-DCA-206-1 (RNHS)	
M-2142 SH-1 (NB)	E-105942 SH-1
SP-31-3	E-162279 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-SP-DCA-206-1

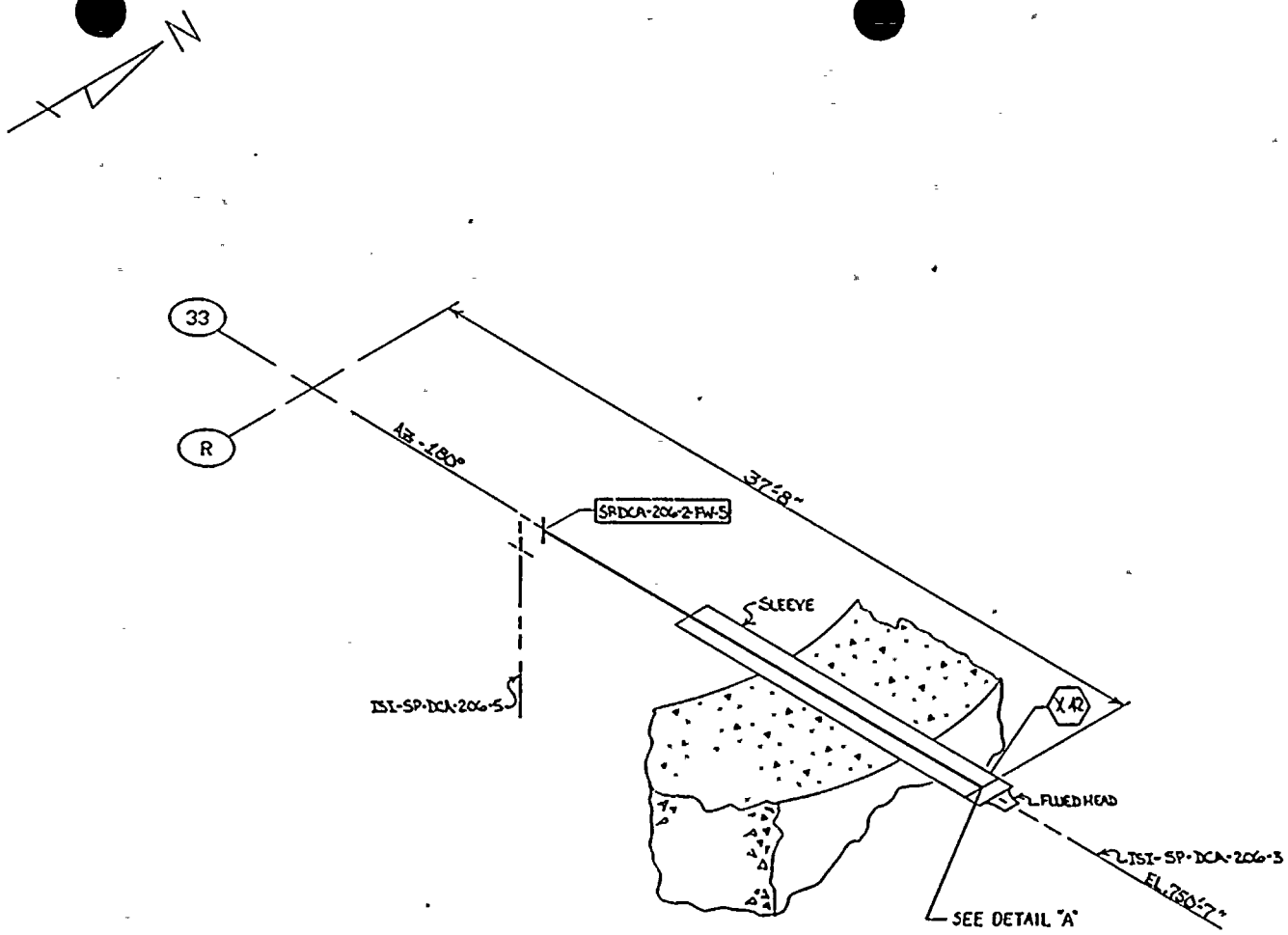
AREA-31 | ELEV: 719'-1" | SCALE- NONE

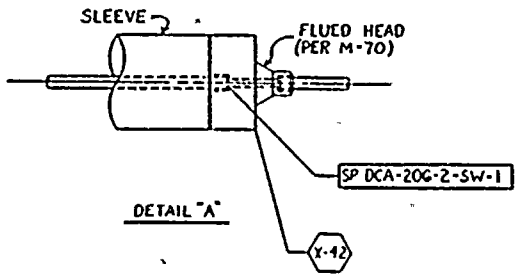
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201489 | SHEET NO. 1 | REV. NO. 0

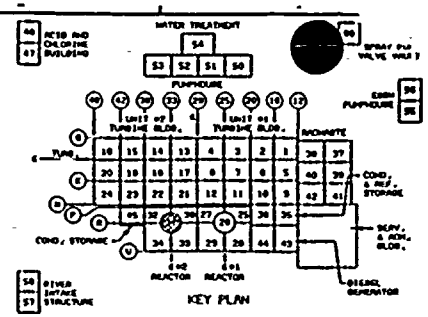
AE DRAWING NO. ISI-SP-DCA-206-1

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





DETAIL "A"



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	854'-0"	845'-0"	840'-0"	840'-0"		
2	878'-0"	879'-0"	880'-0"	877'-0"	704'-0"	878'-0"
3	899'-0"	897'-0"	878'-0"	719'-0"	718'-1"	899'-0"
4	720'-0"	718'-0"	881'-0"		739'-11½"	714'-0"
5	752'-0"	740'-1"			752'-7½"	728'-0"
6	714'-0"	772'-1"			772'-1"	751'-0"
7		810'-1"				754'-0"
12					781'-1"	771'-0"
16					899'-0"	787'-0"
18		790'-1"				899'-0"

SP-DCA-206-2 (REV. 0)

M-2148 (SBLC)	E-105948
SP-31-4	E-162279 SH. 4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-SP-DCA-206-2

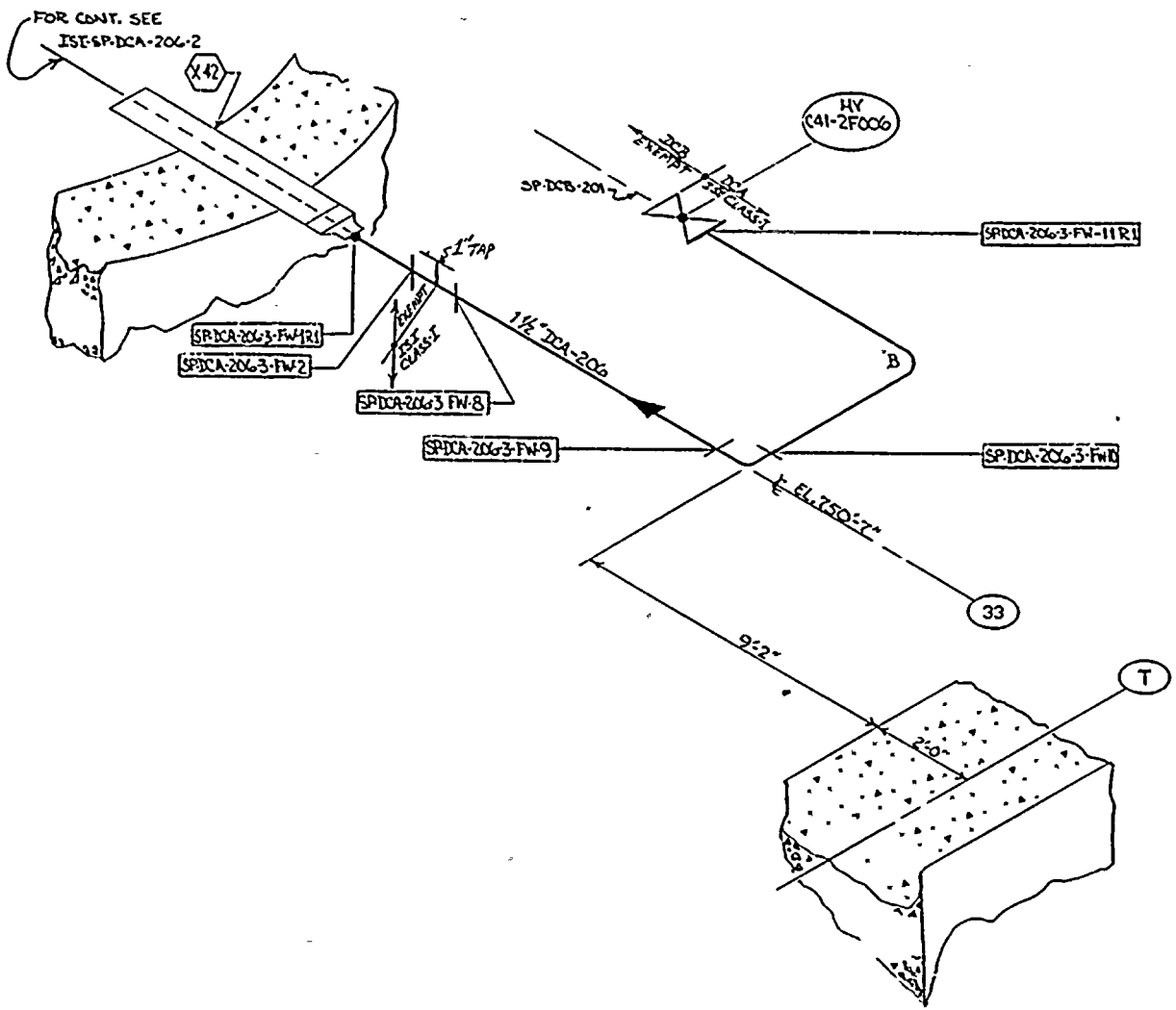
AREA- 31 | ELEV.- 738'-11" | SCALE- NONE

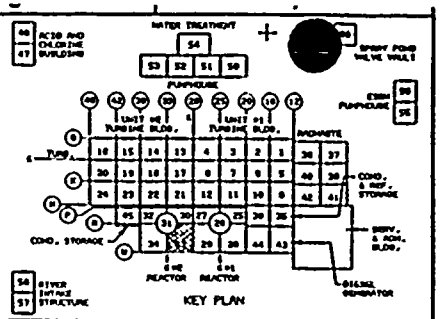
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201490	1	0

AE DRAWING NO.
ISI-SP-DCA-206-2

FRACTIONAL DECIMAL G 2 Z 2 0 LOCATION CODES M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	954'-0"	945'-0"	945'-0"	899'-0"		
2	879'-0"	874'-0"	899'-0"	877'-0"	794'-0"	879'-0"
3	848'-0"	897'-0"	874'-0"	719'-0"	719'-1"	848'-0"
4	729'-0"	719'-0"	881'-0"		738'-11½"	719'-0"
5	708'-0"	740'-1"			758'-2½"	729'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					781'-1"	771'-0"
15					844'-0"	799'-0"
16		799'-1"				849'-0"

SP-DCA-206-3(R/B)	
M-2148 (SBLC)	E-105948
SP-33-5	E-162281 SH.5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RC			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

WELD IDENTIFICATION

ISI-SP-DCA-206-3

AREA-33 | ELEV.-749'-1" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

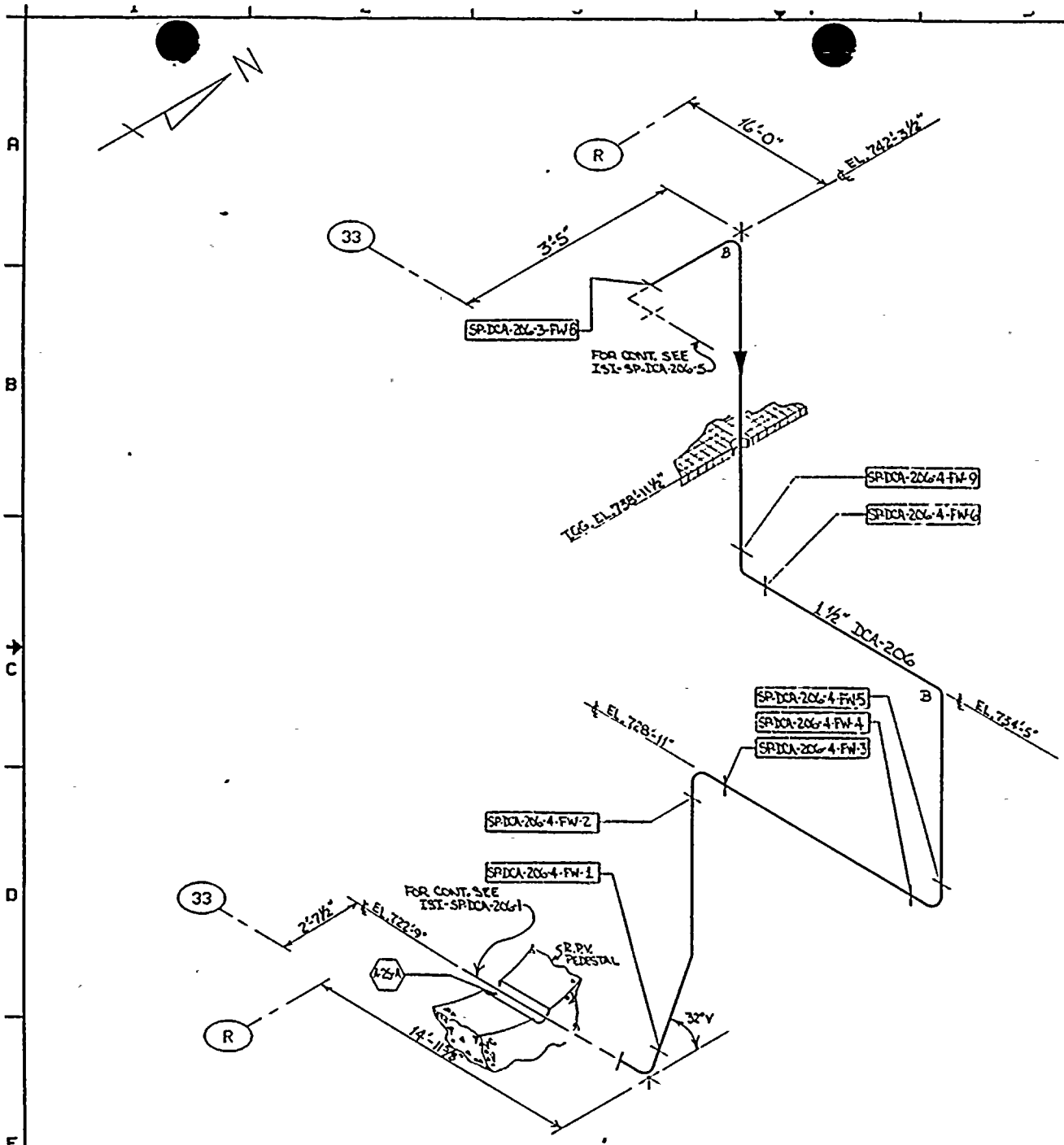
PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201491	1	0

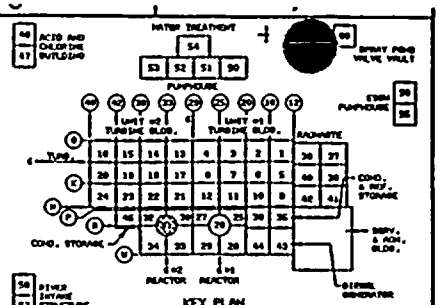
AE DRAWING NO.
ISI-SP-DCA-206-3

FRACTIONAL DECIMAL

G 2 2 2 0 G G G G G H

LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	595'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	718'-0"	718'-1"	699'-0"
4	729'-0"	718'-0"	691'-0"		729'-11½"	714'-0"
5	752'-0"	749'-1"			752'-7½"	729'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		810'-1"				754'-0"
12					781'-1"	771'-0"
14					699'-0"	799'-0"
18		799'-1"				899'-0"

SP-DCA-206-4 (Rev. 7)	
M-2148 (SBLC)	E-105948
SP-31-3	E-162279 SH. 3
SP-31-4	E-162279 SH. 4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-SP-DCA-206-4

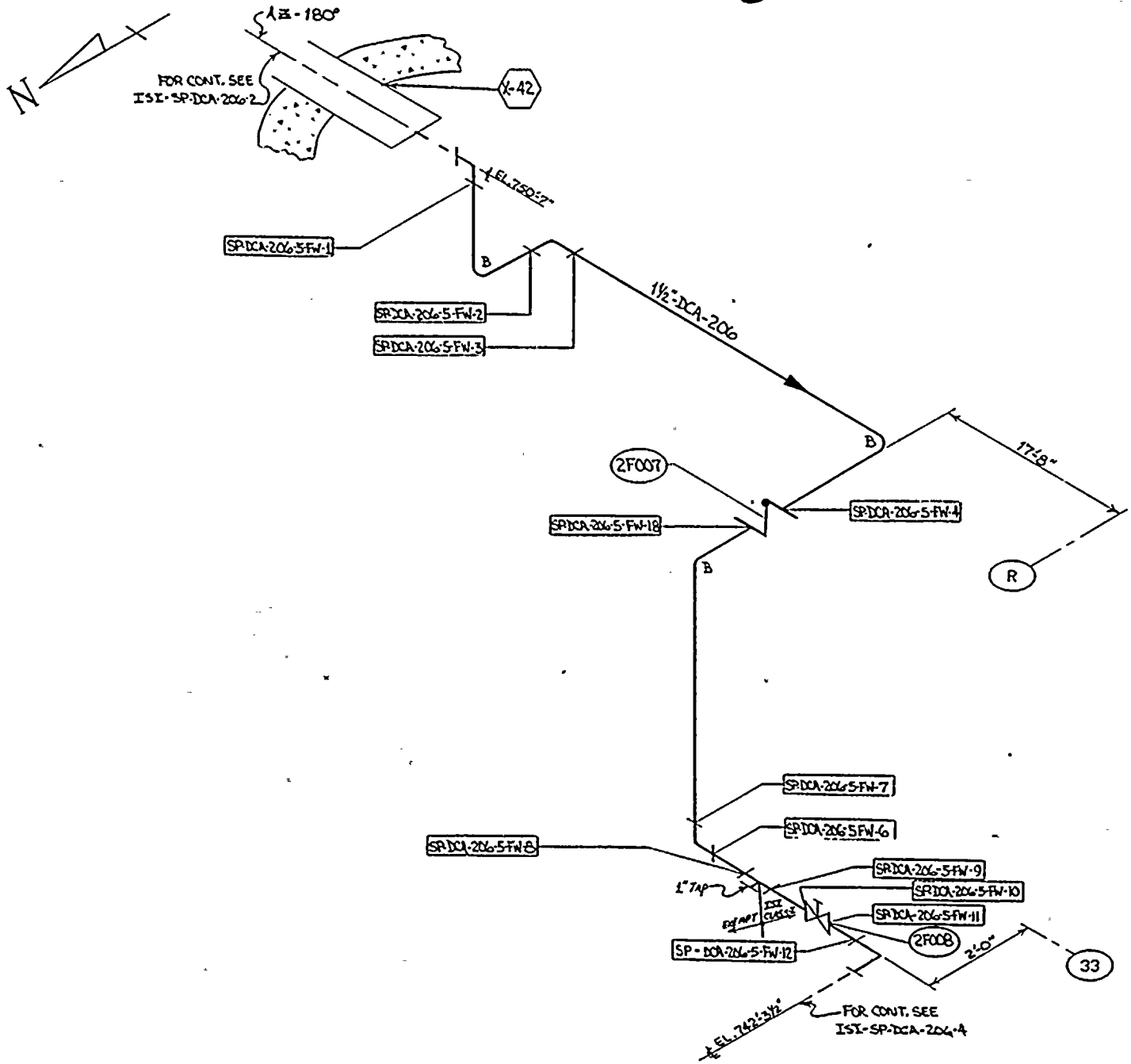
AREA - 31 | ELEV: 719'-1" | SCALE - NONE

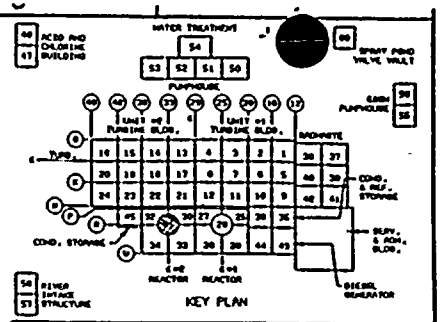
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201492	1	0

AE DRAWING NO. ISI-SP-DCA-206-4

FRACTIONAL DECIMAL G 2 2 2 0 LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	694'-0"	695'-0"	699'-0"	698'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	692'-0"	679'-0"	718'-0"	718'-1"	698'-0"
4	729'-0"	719'-0"	691'-0"		728'-11½"	714'-0"
5	752'-0"	744'-1"			752'-7½"	732'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					899'-0"	788'-0"
19		799'-1"				899'-0"

SP-DCA-206-5 (REV-4)	
M-2148 (S.B.L.S.)	E-105948
SP-31-3	E-162279 SH.3
SP-31-4	E-162279 SH.4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-SP-DCA-206-5

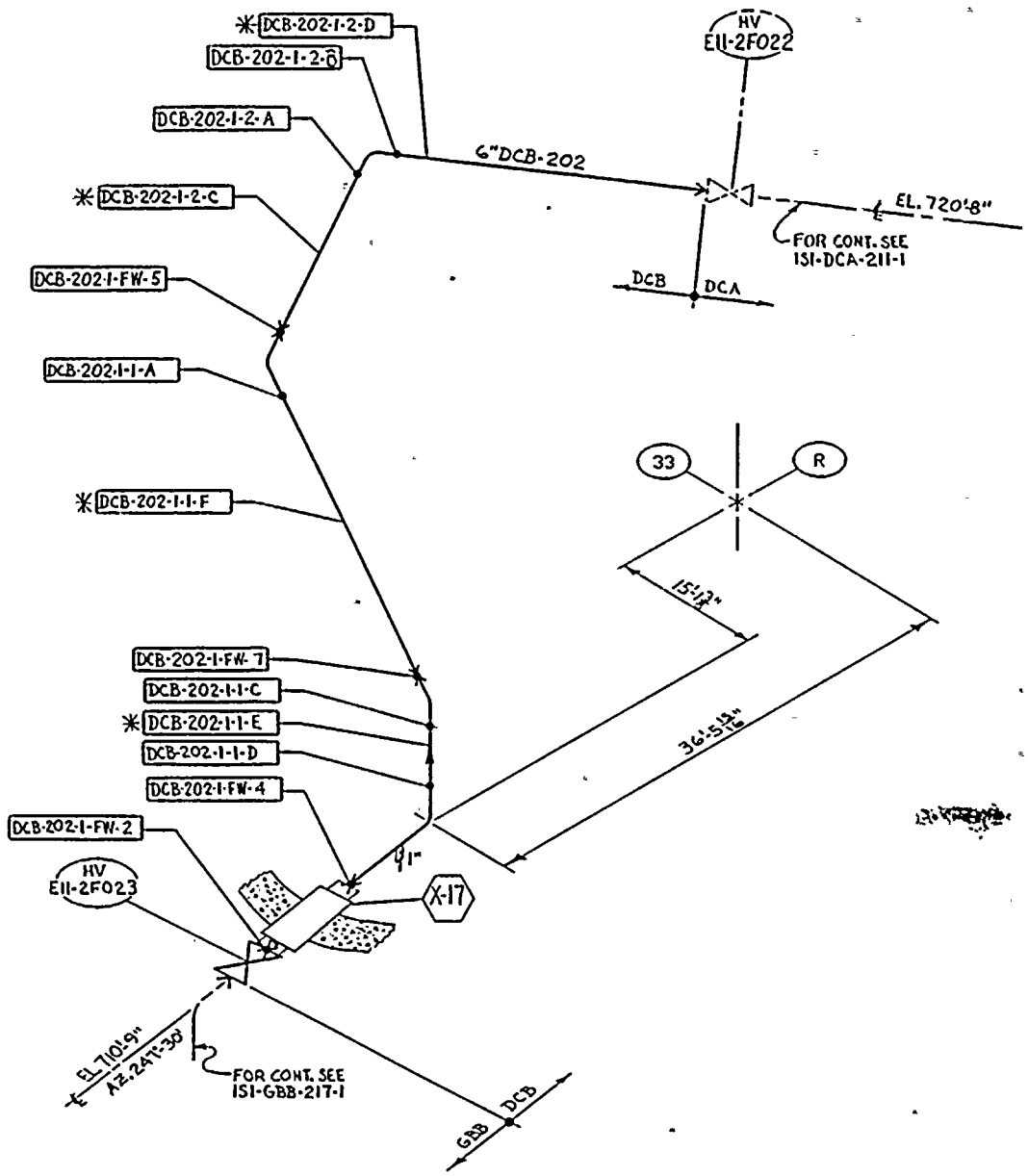
AREA-31 | ELEV: 733'-11½" | SCALE- NONE

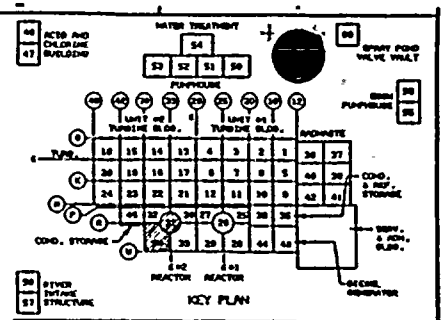
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201493	1	0

AE DRAWING NO.
ISI-SP-DCA-206-5

FRACTIONAL DECIMAL G 2 Z 2 0 G LOCATION CODES G G G G H SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORITE BLDG. EL.	DIESEL GENERATOR EL.	SERVICE REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
15					[illegible]	[illegible]
19		[illegible]				[illegible]

NOTES:
1. ✳-DENOTES LONGITUDINAL SEAM WELD.

M-2151 (R.H.R.)	E-105951
M-31-2	E-106181 SH.2
M-31-3	E-106181 SH.3
M-34-3	E-106184 SH.3
DCB-202-1 (REV.2)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-DCB-202-1

AREA 31&34 | ELEV. 683'-0" | SCALE- NONE

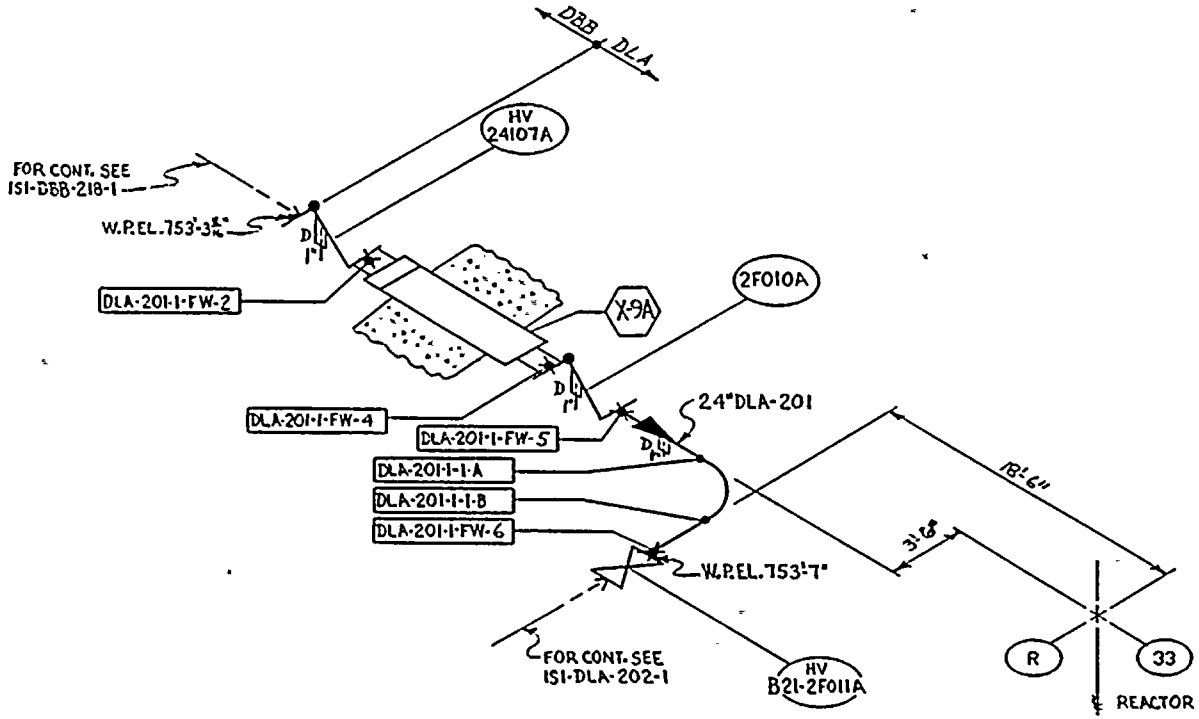
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

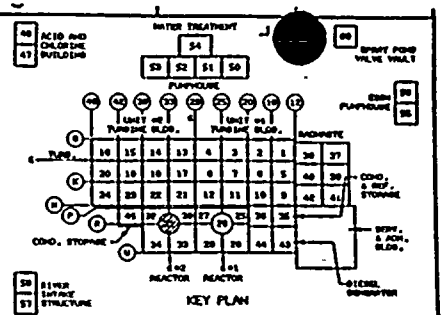
PP&L DRAWING NO. C-201507 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCB-202-1

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 Z 2 0 | G | G | G | G | LOCATION CODES | M | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	664'-9"	695'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	729'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	729'-9"	718'-1"	698'-9"
4	729'-9"	718'-9"	691'-9"		729'-11 1/2"	714'-9"
5	747'-9"	749'-1"			732'-3 1/2"	728'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					818'-9"	793'-9"
19		799'-1"				819'-9"

M-2141 (NCLR.BLR.)	E-105941
M-31-5	E-106181 SH.5
DLA-201-1 (REV.5)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

MF 1

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DLA-201-1

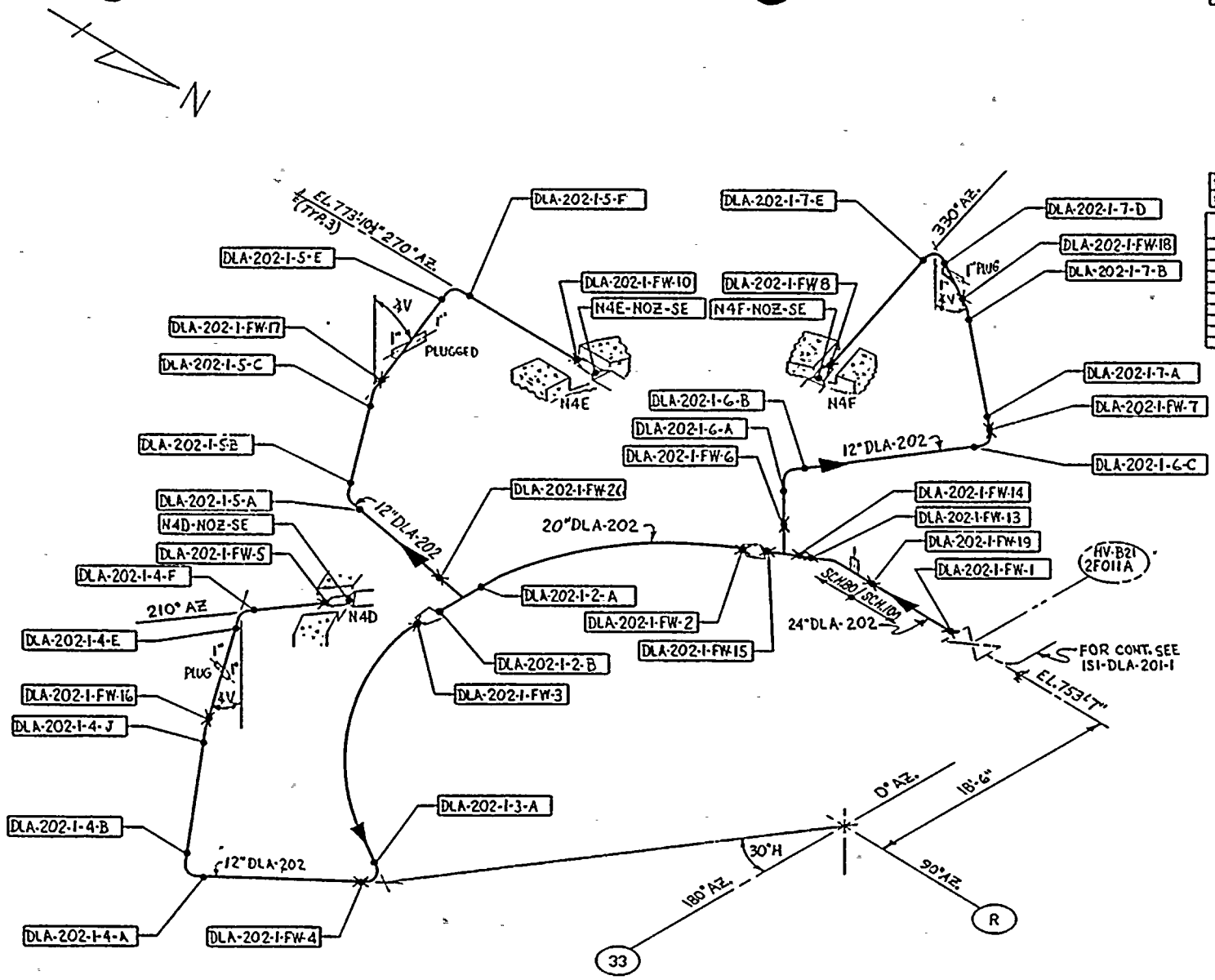
AREA 31 | ELEV.752'-2 5/8" | SCALE- NONE

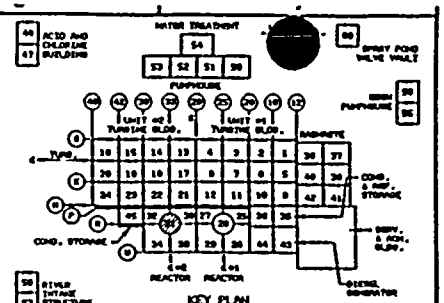
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201508 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DLA-201-1

FRACTIONAL DECIMAL G 2 2 2 0 LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MAGNETE BLDG. EL.	DIESEL GENERATOR EL.	SWITCH REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	694'-0"	695'-0"	699'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	701'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	718'-0"	718'-1"	699'-0"
4	729'-0"	719'-0"	699'-0"		729'-11½"	719'-0"
5	799'-0"	749'-1"			732'-3½"	732'-0"
6	719'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
16					899'-0"	799'-0"
19		789'-1"				848'-0"

M-2141 (NCLR. BLR.)	E-105941
M-31-5	E-106181 SH.5
M-31-12	E-106181 SH.12
DLA-202-1 (REV.3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	PM	APPROVED	DATE
0	INITIAL ISSUE.					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-DLA-202-1

AREA 31 | ELEV. 752'-2" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201509 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DLA-202-1

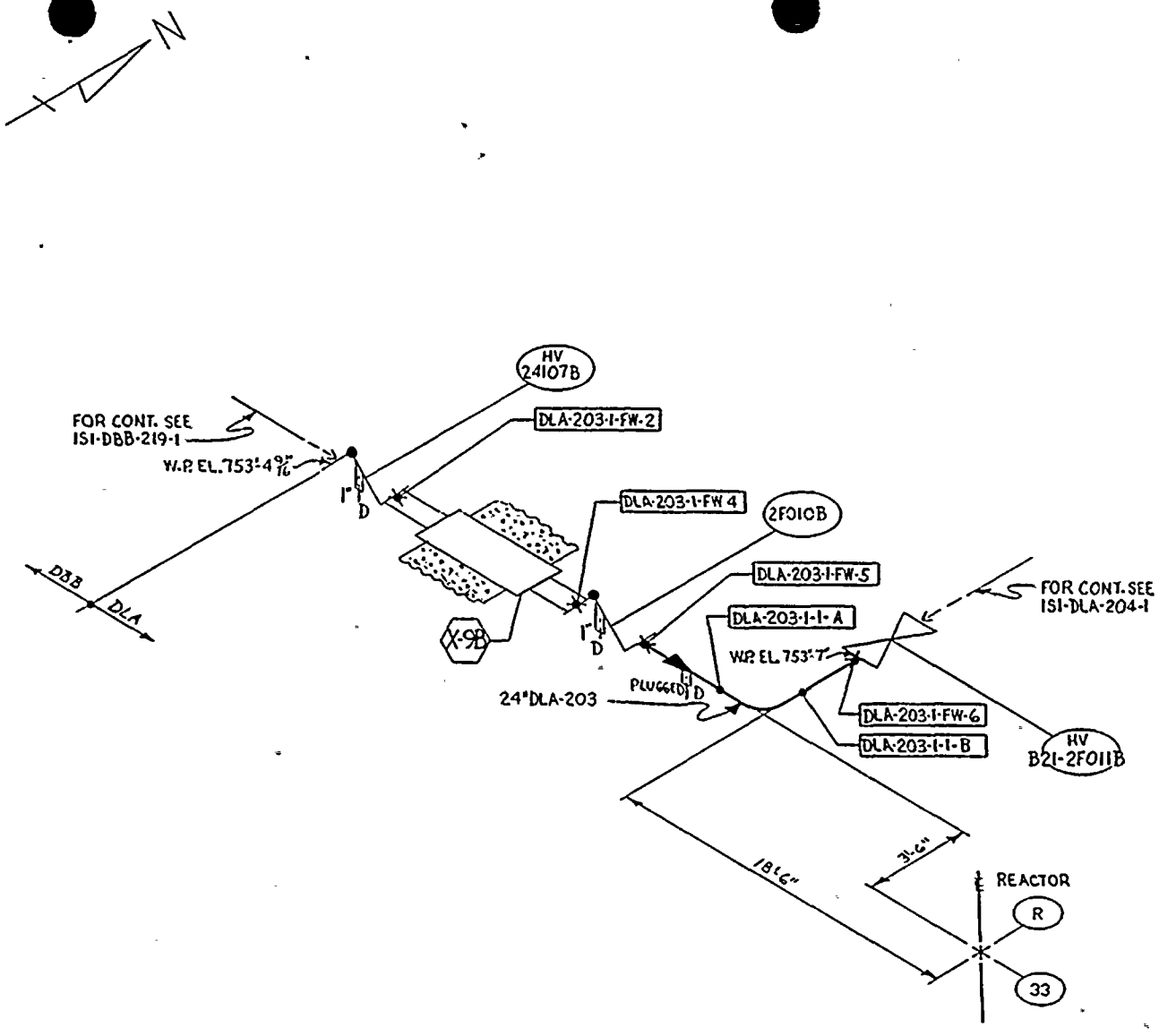
FRACTIONAL 0 1 2 | DECIMAL 2 1 0

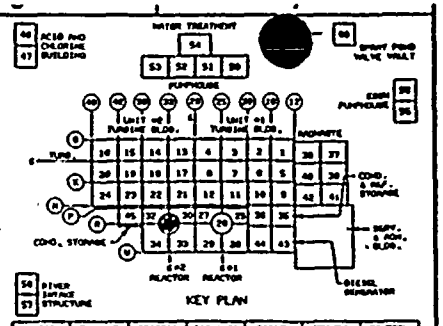
G 2 2 2 0 G G G G

LOCATION CODES

M L

SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	954'-0"	935'-0"	935'-0"	895'-0"		
2	913'-0"	879'-0"	899'-0"	877'-0"	794'-0"	878'-0"
3	899'-0"	893'-0"	874'-0"	719'-0"	719'-1"	880'-0"
4	779'-0"	712'-0"	891'-0"		738'-11 1/16"	719'-0"
5	762'-0"	740'-1"			752'-2 1/16"	778'-0"
6	719'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					899'-0"	792'-0"
19		798'-1"				899'-0"

M-2141(NCLR.BLR.)	E-105941
M-31-5	E-106181 SH.5
DLA-203-1 (REV.5)	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-DLA-203-1

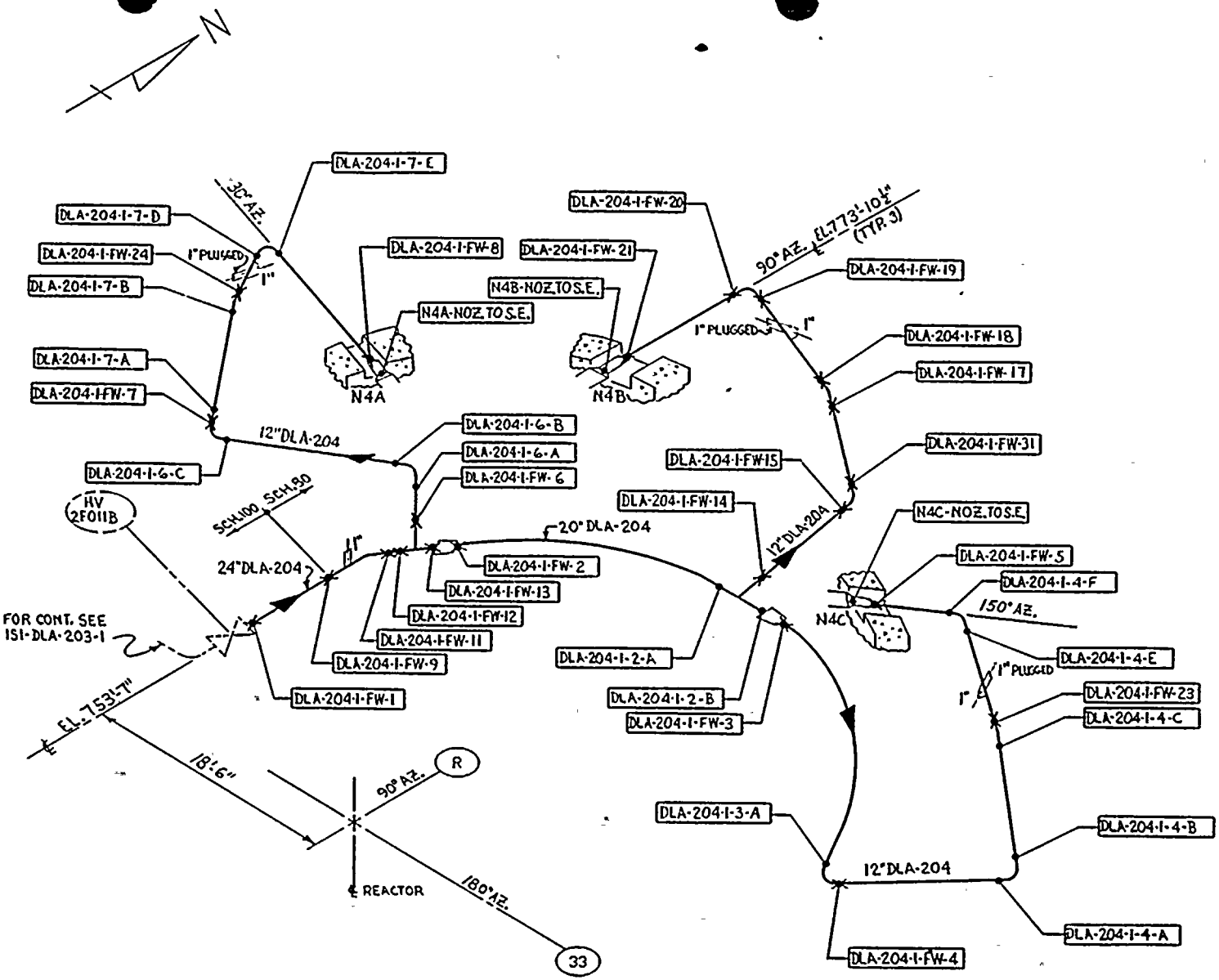
AREA 31 | ELEV. 749'-1" | SCALE- NONE

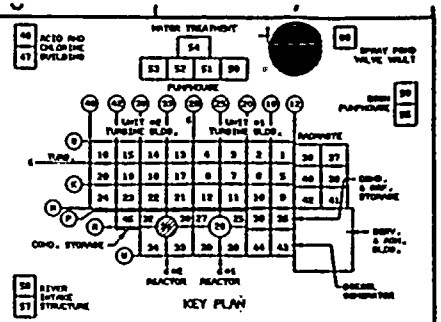
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201510 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DLA-203-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFGAS REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	596'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	705'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	719'-0"	715'-0"	699'-0"
4	729'-0"	719'-0"	693'-0"		730'-11½"	719'-0"
5	742'-0"	749'-1"			732'-7½"	729'-0"
6	749'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					781'-1"	771'-0"
14					799'-0"	793'-0"
19		799'-1"				819'-0"

M-2141 (NCLR. BLR.)	E-105941
M-31-5	E-106181 SH.5
M-31-12	E-106181 SH.12
DLA-204-1 (REV.4)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

WELD IDENTIFICATION

ISI-DLA-204-1

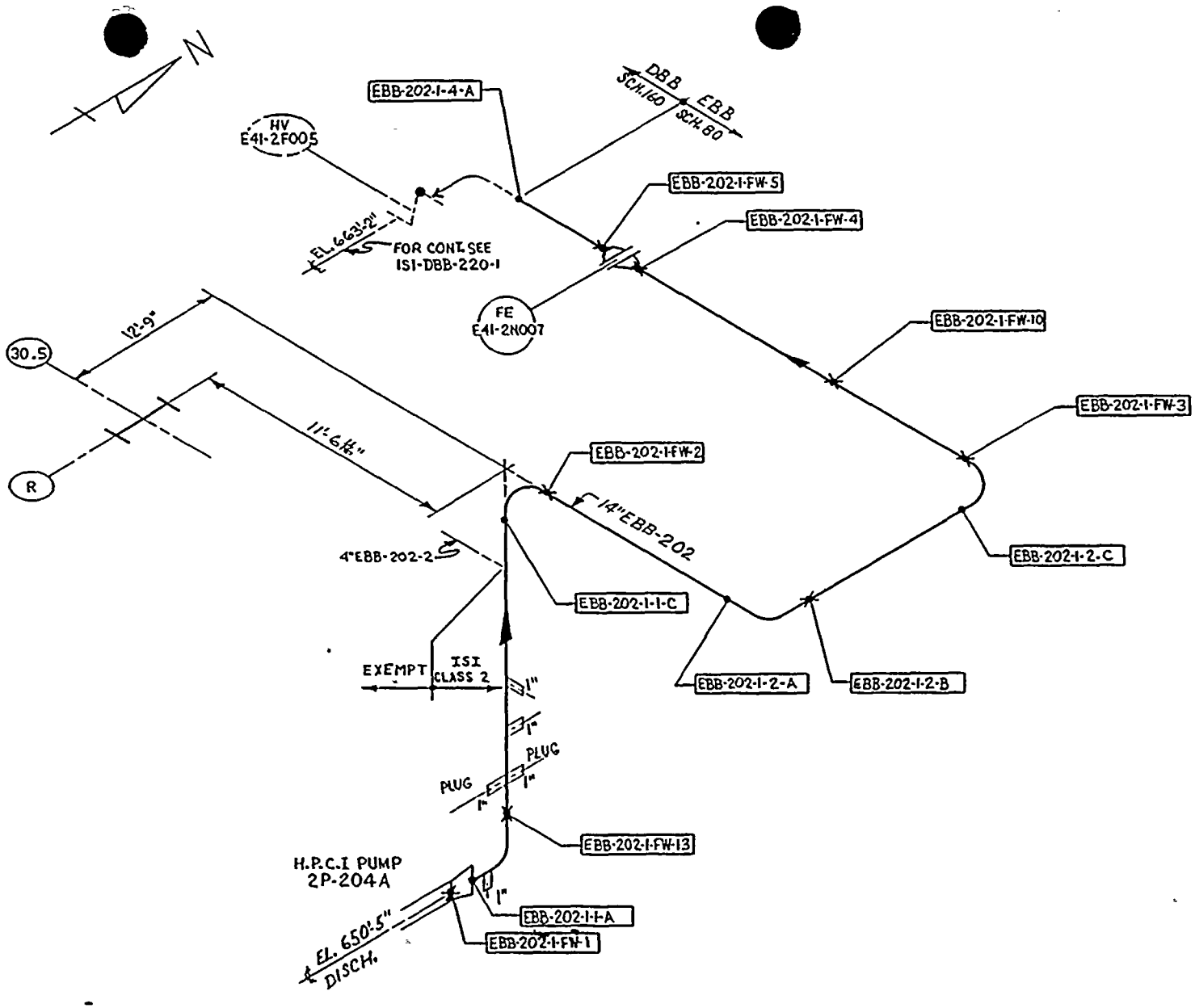
AREA 31 | ELEV. 752'-2½" | SCALE- NONE

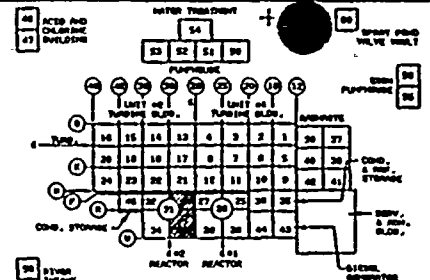
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201511 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DLA-204-1

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 | LOCATION CODES | M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPENT FUEL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

M-2155 (H.P.C.I.)	E-105955
M-2156 (H.P.C.I.)	E-105956
M-30-1	E-106180 SH.1
M-33-1	E-106183 SH.1
EBB-202-1 (REV.3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC

WELD IDENTIFICATION
ISI-EBB-202-1

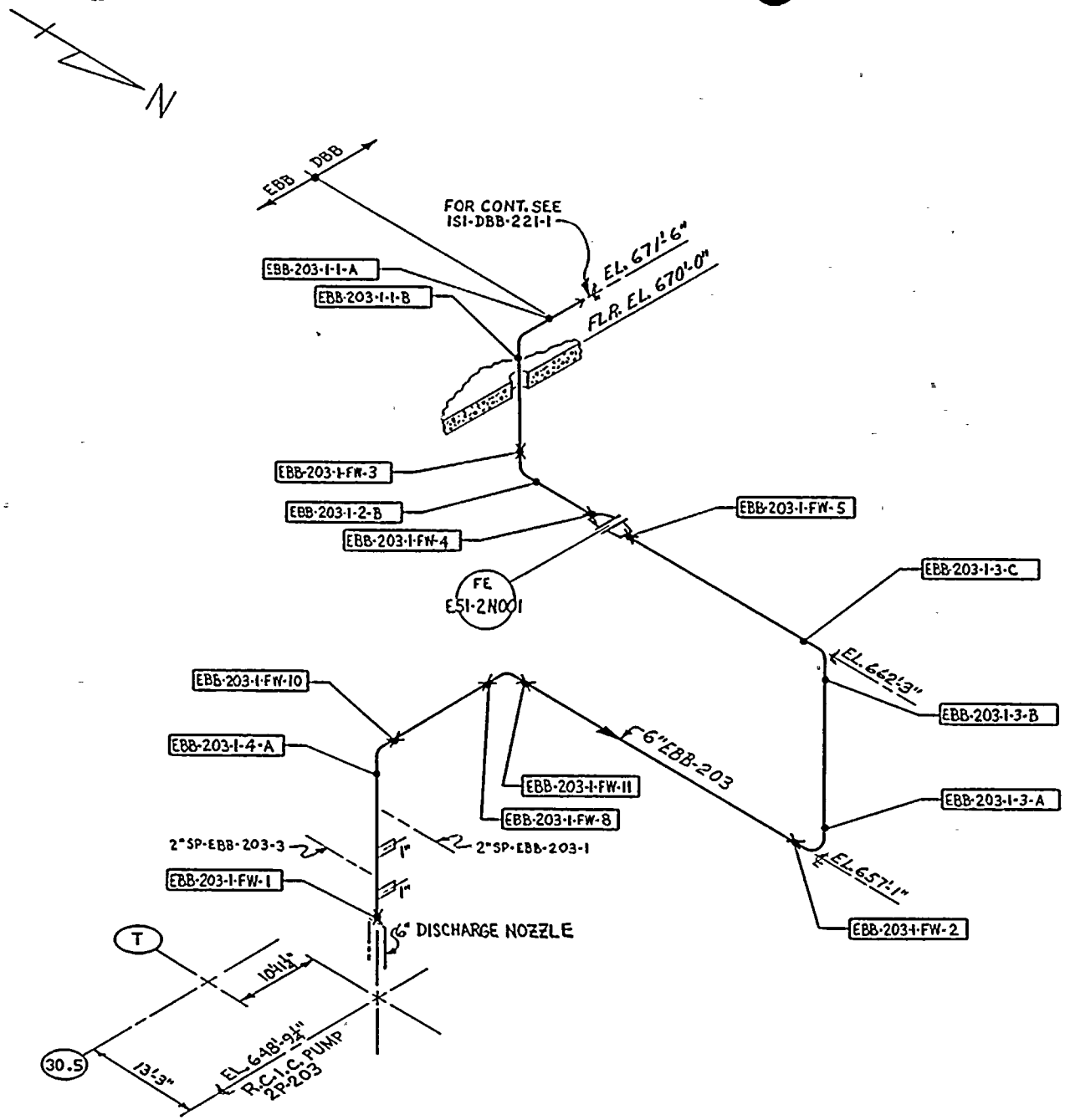
AREA 30133 | ELEV. 645'-0 | SCALE- NONE

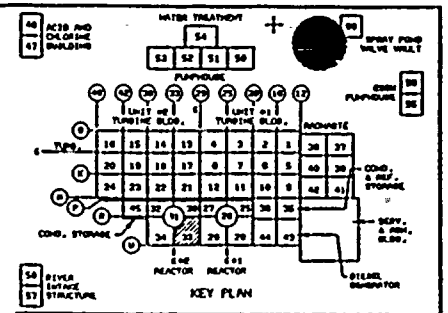
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201512 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-EBB-202-1

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	INCINERATOR BLDG. EL.	DIESEL GENERATOR EL.	OFFSHOOT REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	650'-0"	645'-0"	640'-0"	660'-0"		
2	679'-0"	674'-0"	668'-0"	677'-0"	704'-0"	676'-0"
3	699'-0"	693'-0"	679'-0"	710'-0"	719'-1"	698'-0"
4	729'-0"	719'-0"	691'-0"		729'-11¼"	714'-0"
5	743'-0"	749'-1"			752'-2½"	728'-0"
6	765'-0"	775'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	783'-0"
19		799'-1"				808'-0"

M-2149 (R.C.I.C.)	E-105949
M-2150 (R.C.I.C.)	E-105950
M-33-1	E-106183 SH.1
EBB-203-1 (REV. 6)	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-EBB-203-1

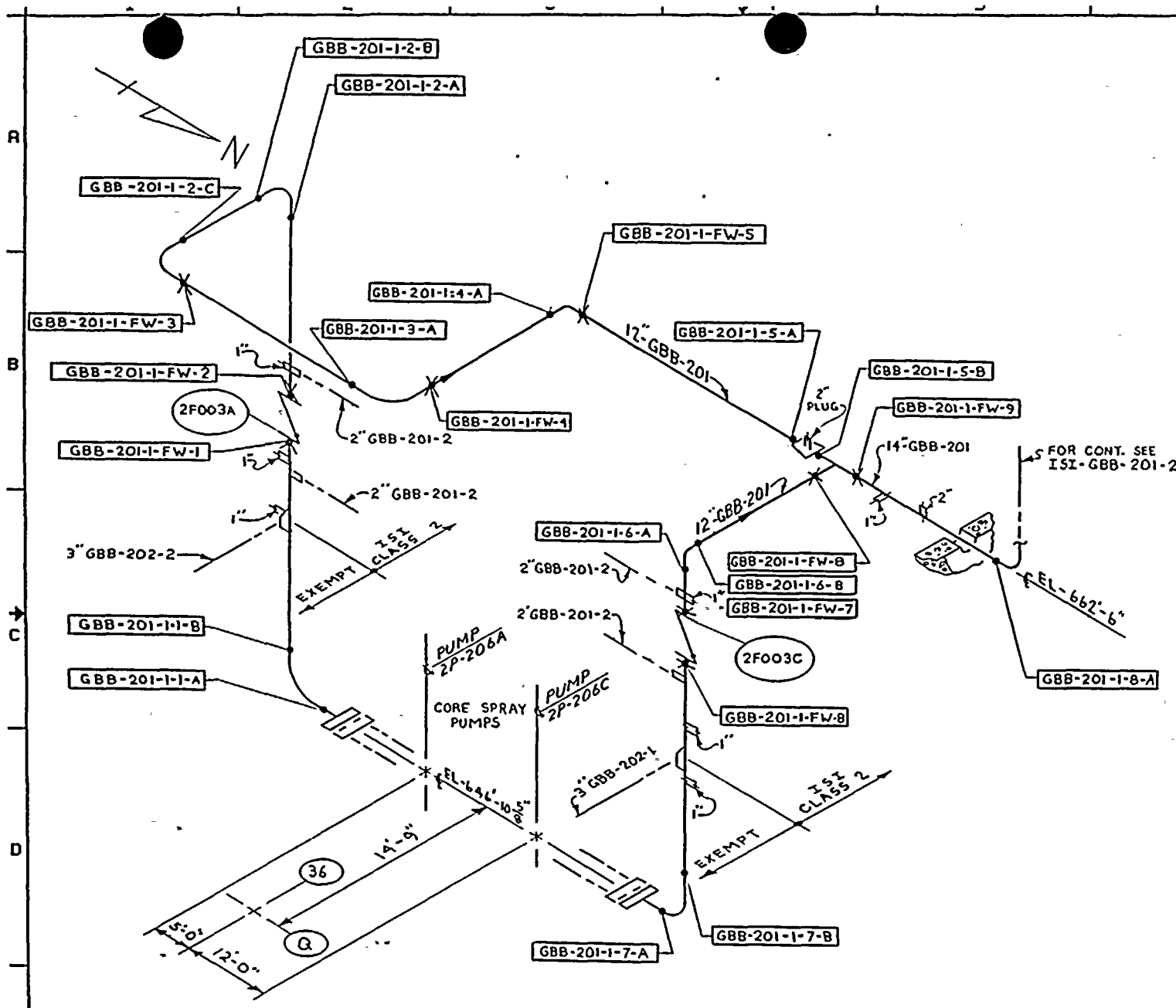
AREA 31 | ELEV. 645'-0" | SCALE- NONE

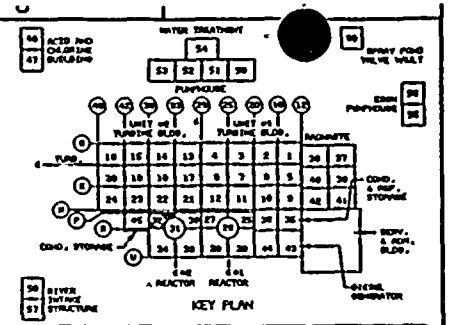
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201513 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-EBB-203-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-9"	999'-9"	999'-9"	999'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	794'-9"	979'-9"
3	944'-9"	992'-9"	979'-9"	718'-9"	719'-1"	999'-9"
4	737'-9"	719'-9"	991'-9"		788'-11 1/2"	719'-9"
5	792'-9"	749'-1"			752'-2 1/2"	739'-9"
6	714'-9"	779'-1"			779'-1"	791'-9"
7		810'-1"				794'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
16		799'-1"				999'-9"

GBB-201-1(REV.2)	
M-2152 CORE SPRAY	E-105952
M-32-1	E-106182-1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-GBB-201-1

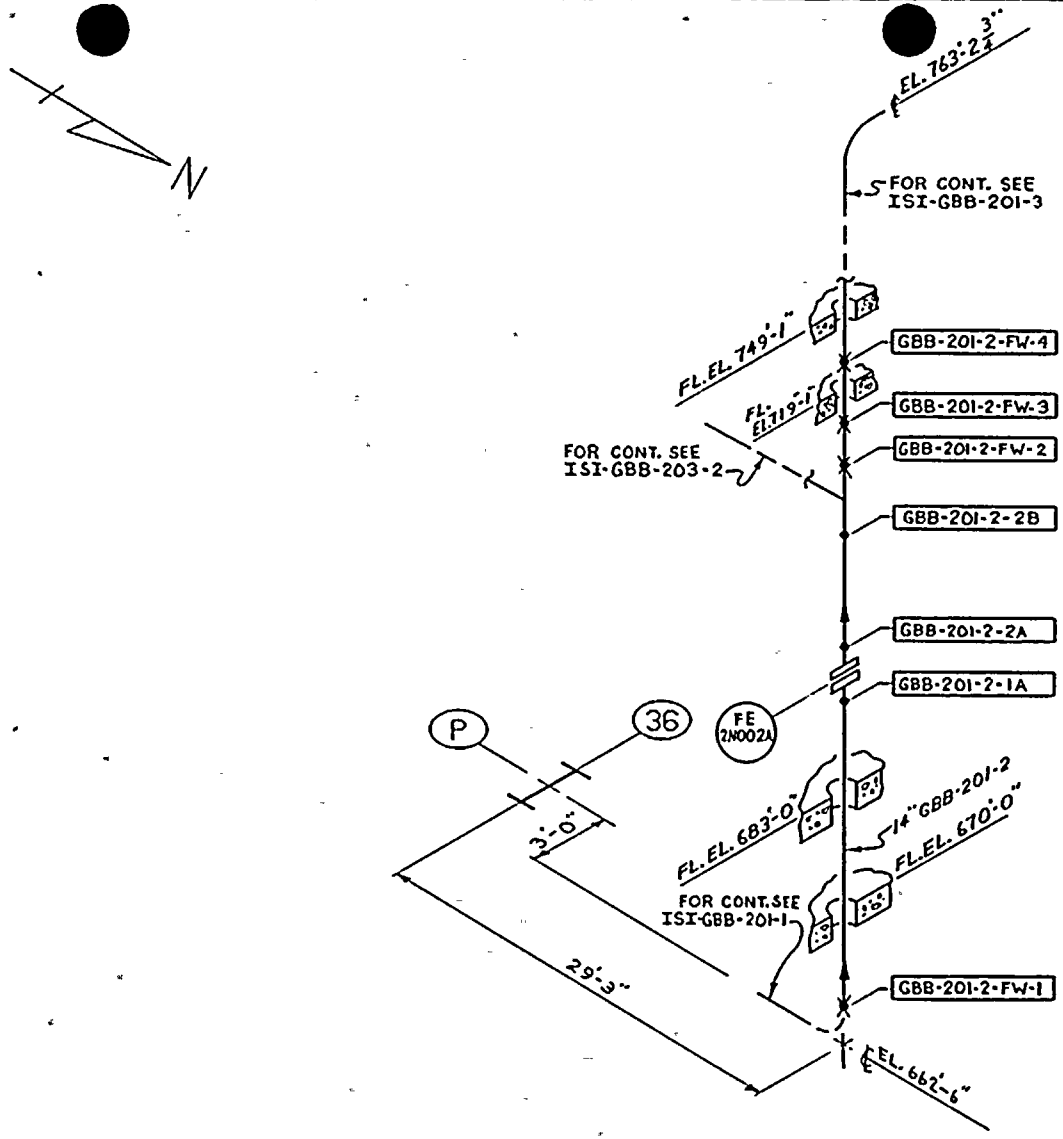
AREA 32 | ELEV. 645' | SCALE- NONE

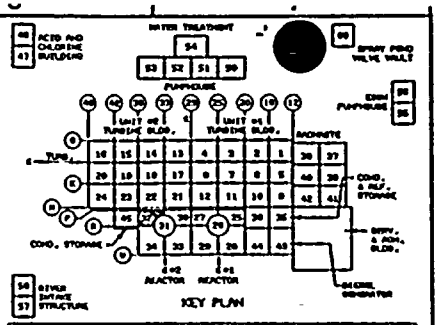
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201514 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-201-1

FRACTIONAL DECIMAL LOCATION CODES SCALE





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	650'-0"	646'-0"	644'-0"	644'-0"		
2	679'-0"	679'-0"	688'-0"	672'-0"	704'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	704'-0"	719'-1"	699'-0"
4	720'-0"	713'-0"	691'-0"		739'-11 1/4"	714'-0"
5	742'-0"	744'-1"			757'-2 1/4"	739'-0"
6	764'-0"	779'-1"			779'-1"	764'-0"
7		818'-1"				784'-0"
12					791'-1"	771'-0"
15					844'-0"	799'-0"
19		799'-1"				844'-0"

GBB-201-2-REV. 4	
M-2152 CORE SPRAY	E-105952
M-32-1	E-106182-1
M-32-2	E-106182-2
M-32-3	E-106182-3
M-32-4	E-106182-4
M-32-5	E-106182-5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-201-2

AREA 32 | ELEV. 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201515 | SHEET NO. 1 | REV. NO. 0

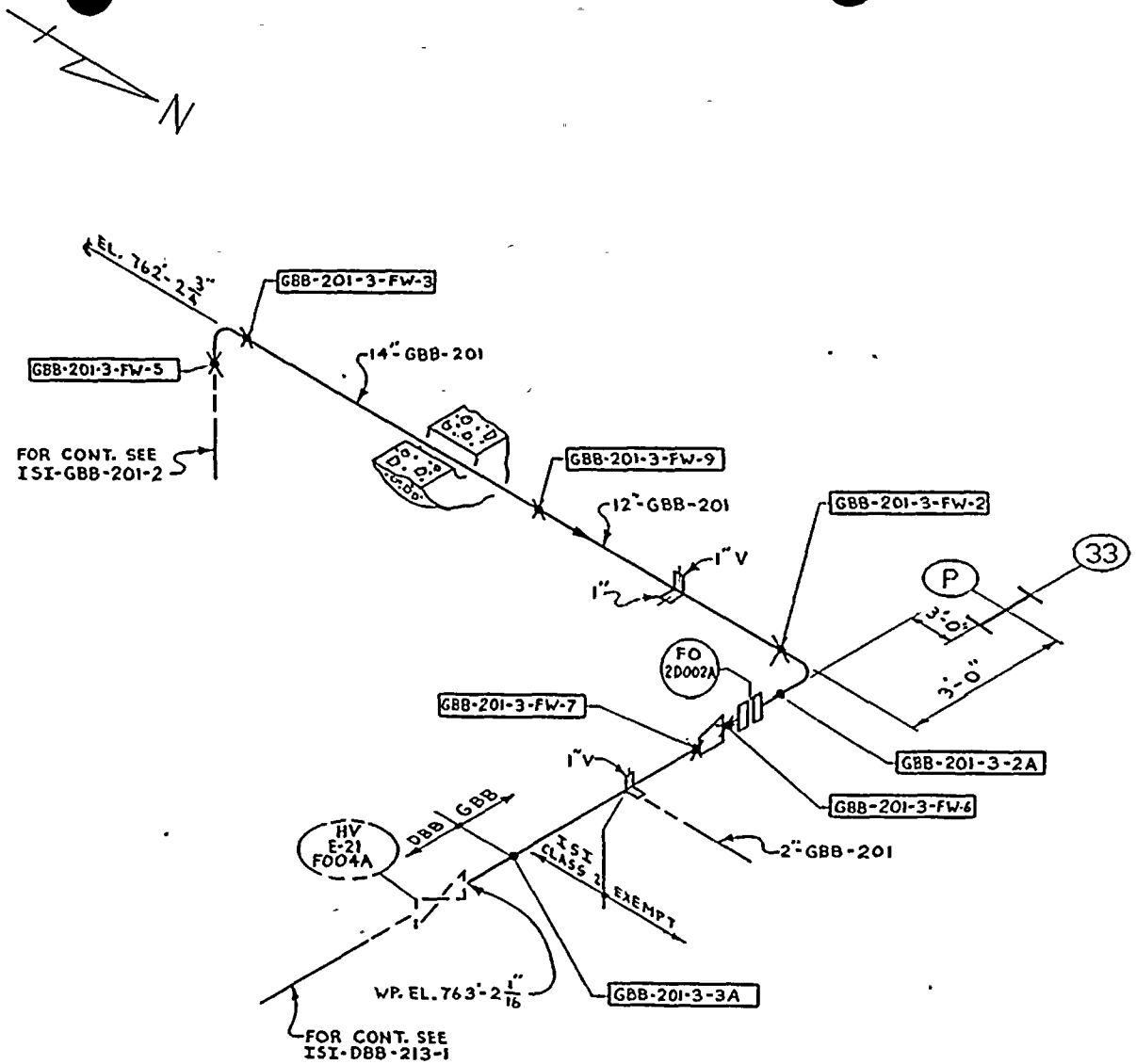
AE DRAWING NO. ISI-GBB-201-2

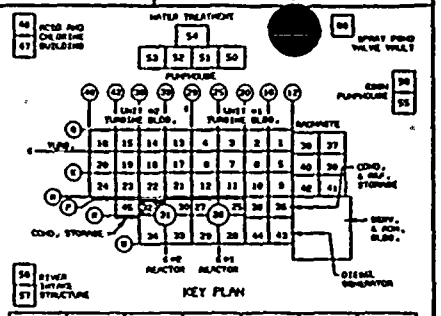
FRACTIONAL DECIMAL

G 2 2 2 0 G G G G G

LOCATION CODES

M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	574'-0"	595'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	599'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	718'-0"	718'-1"	699'-0"
4	729'-0"	718'-0"	691'-0"		729'-11 1/2"	714'-0"
5	742'-0"	749'-1"			752'-2 1/2"	729'-0"
6	754'-0"	779'-1"			774'-1"	741'-0"
7		810'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	792'-0"
16		799'-1"				809'-0"

GBB-201-3 REV. 3	
M-2152 CORE SPRAY	E-105952
M-32-5	E-106182-5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INTIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-201-3

AREA 32 | ELEV. 749'-1" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

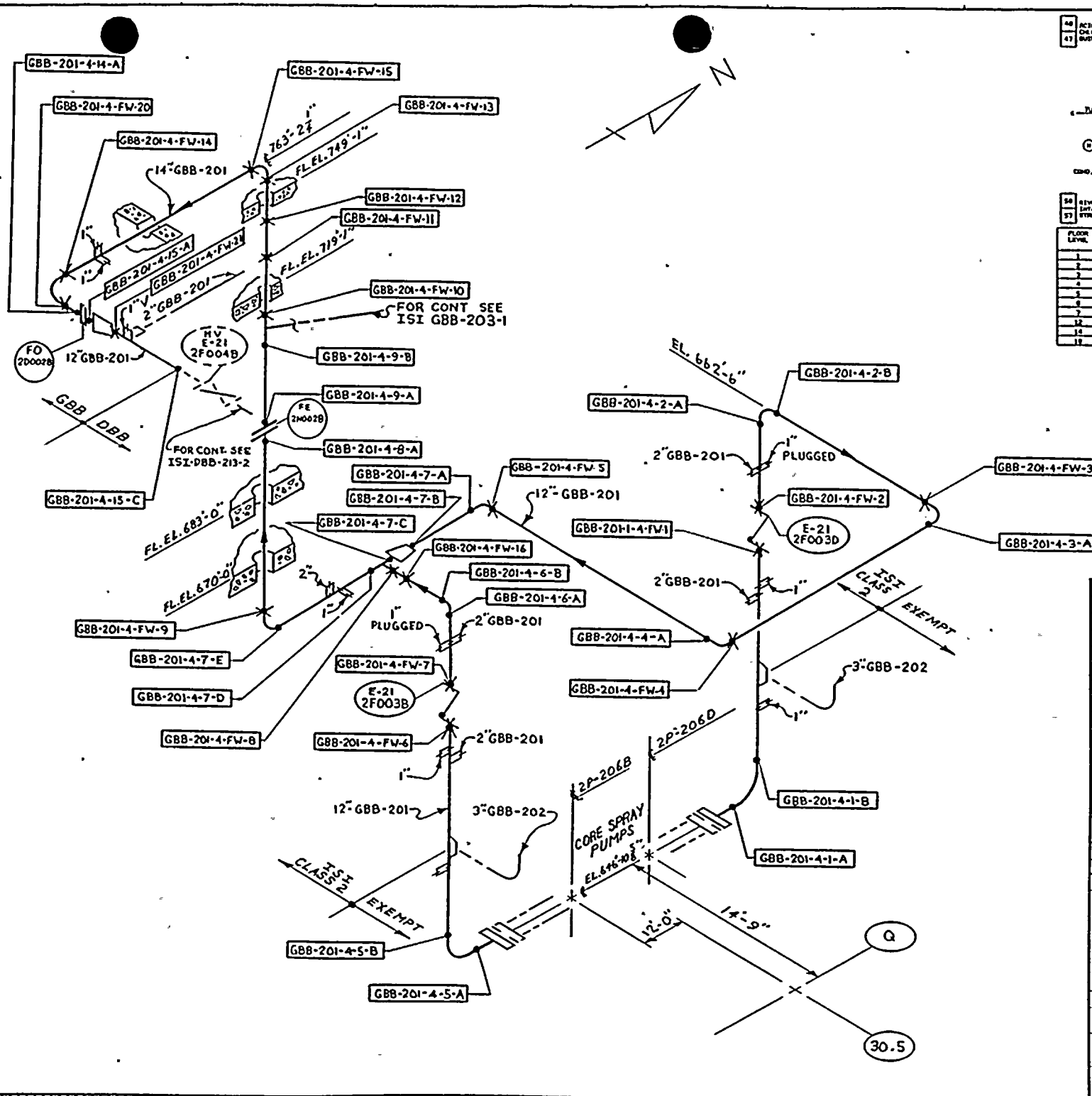
PP&L DRAWING NO. C-201516 | SHEET NO. 1 | REV. NO. 0

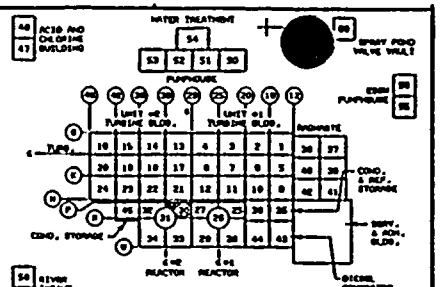
AE DRAWING NO. ISI-GBB-201-3

FRACTIONAL DECIMAL

G 2 2 2 0 | G | G | G | G | H

LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	645'-0"	645'-0"	599'-0"		
2	679'-0"	670'-0"	695'-0"	677'-0"	701'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	721'-0"	719'-0"	691'-0"		721'-11 1/16"	719'-0"
5	741'-0"	749'-1"			741'-2 1/16"	739'-0"
6	759'-0"	779'-1"			779'-1"	759'-0"
7		819'-1"				759'-0"
12					791'-1"	771'-0"
14					809'-0"	789'-0"
19		799'-1"				809'-0"

GBB-201-4 (REV. 4)	
M-2152 (CORE SPRAY)	E-105952
M-30-1	E-106180-SH.1
M-30-2	E-106180 SH.2
M-30-3	E-106180 SH.3
M-30-4	E-106180 SH.4
M-30-5	E-106180 SH.5
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASHE SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-GBB-201-4

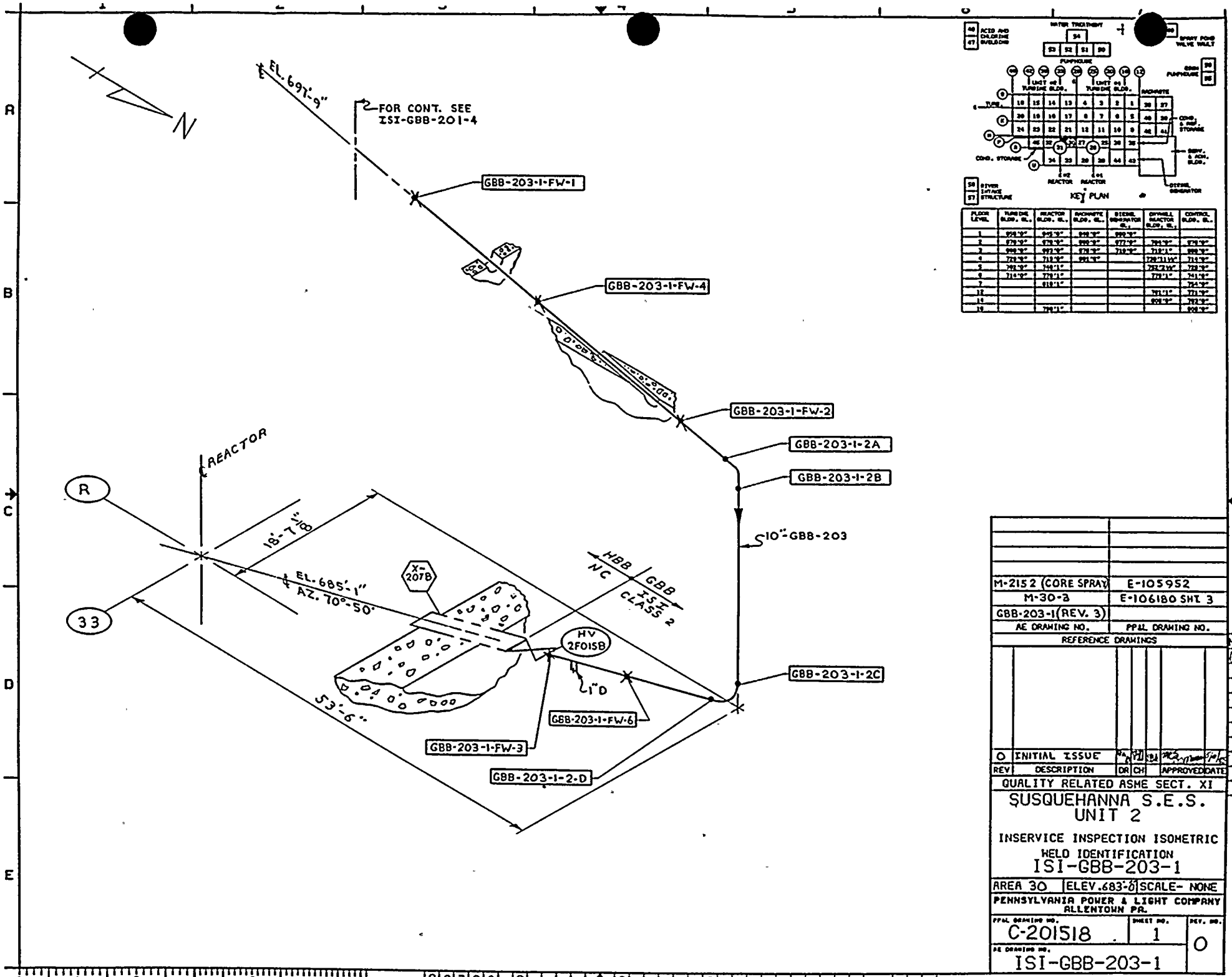
AREA 30 | ELEV. 645'-0" | SCALE- NONE

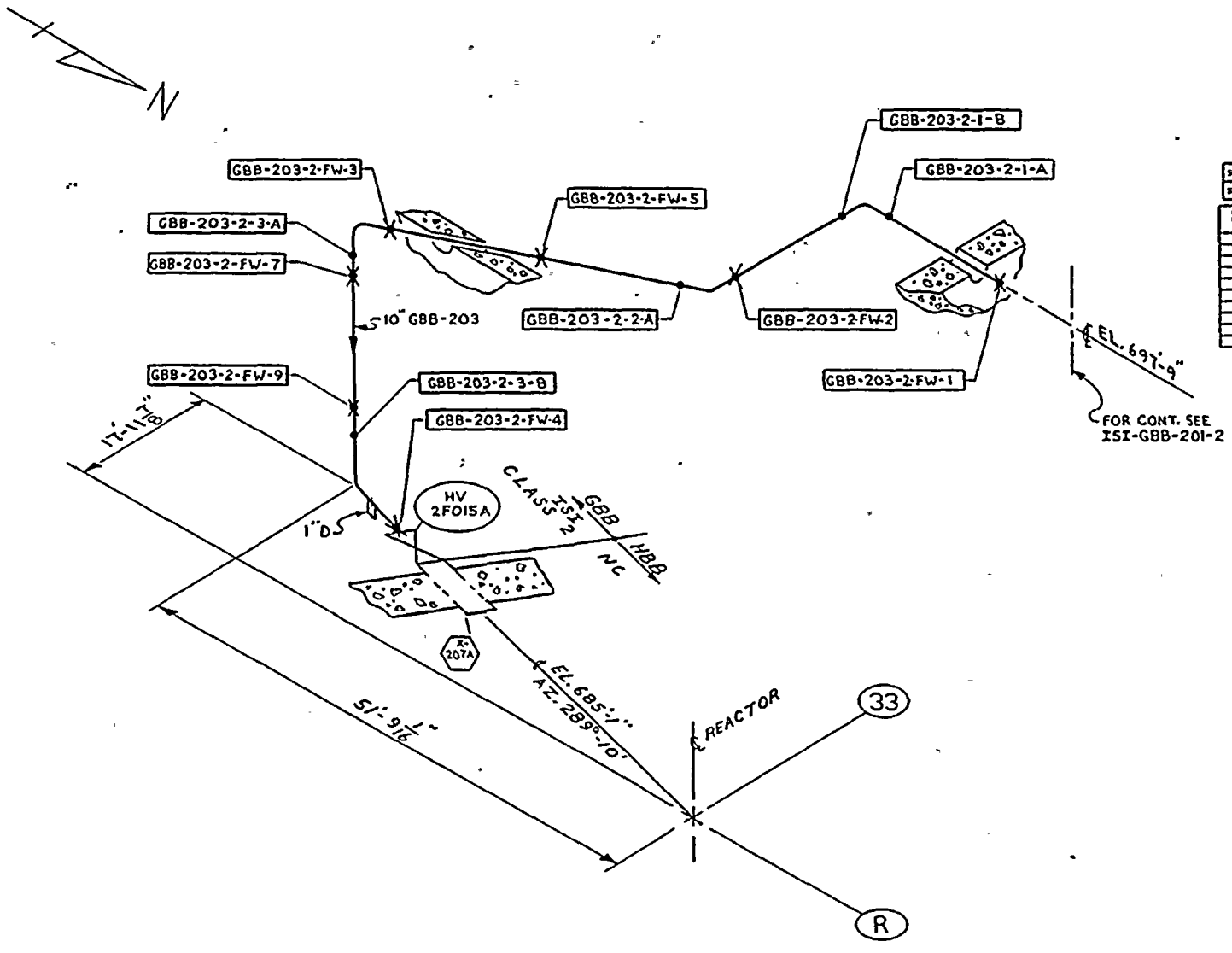
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

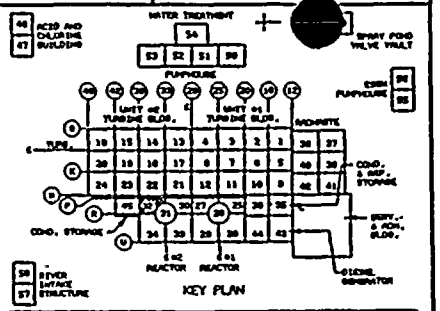
PP&L DRAWING NO. C-201517 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-201-4

FRACTIONAL DECIMAL G 2 2 2 0 G G G G LOCATION CODES M SORTS


N
EL. 697'-9"
FOR CONT. SEE ISI-GBB-201-4
GBB-203-1-FW-1
GBB-203-1-FW-4
GBB-203-1-FW-2
GBB-203-1-2A
GBB-203-1-2B
10"-GBB-203
GBB-203-1-2C
REACTOR
R
33
18'-7 1/16"
EL. 685'-1"
AZ. 70°-50'
X-207B
HBB
NC
GBB
ISI
CLASS 2
HV 2F015B
1"D
GBB-203-1-FW-6
GBB-203-1-FW-3
GBB-203-1-2-D
53'-6"
KEY PLAN
M-215 2 (CORE SPRAY)
E-105952
M-30-3
E-106180 SHT. 3
GBB-203-1 (REV. 3)
AE DRAWING NO.
PP&L DRAWING NO.
REFERENCE DRAWINGS
0 INITIAL ISSUE
REV DESCRIPTION DR CH APPROVED DATE
QUALITY RELATED ASME SECT. XI
SUSQUEHANNA S.E.S.
UNIT 2
INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-203-1
AREA 30 ELEV. 683'-0" SCALE- NONE
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.
PP&L DRAWING NO.
C-201518
SHEET NO. 1
REV. NO. 0
AE DRAWING NO.
ISI-GBB-203-1
FRACTIONAL
DECIMAL
LOCATION CODES
SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	659'-9"	649'-9"	649'-9"	659'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	719'-9"	679'-9"
3	699'-9"	697'-9"	679'-9"	719'-9"	737'-1"	699'-9"
4	737'-9"	719'-9"	691'-9"		739'-11 1/2"	719'-9"
5	759'-9"	749'-1"			759'-2 1/2"	739'-9"
6	719'-9"	779'-1"			779'-1"	759'-9"
7		819'-1"				779'-9"
12					791'-1"	799'-9"
14					859'-9"	819'-9"
19		799'-1"				859'-9"

M-2152(CORE SPRAY)	E-105952
GBB-203-2 (REV. 3)	
M-32-3	E-106182- SHT. 3
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT-2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-GBB-203-2

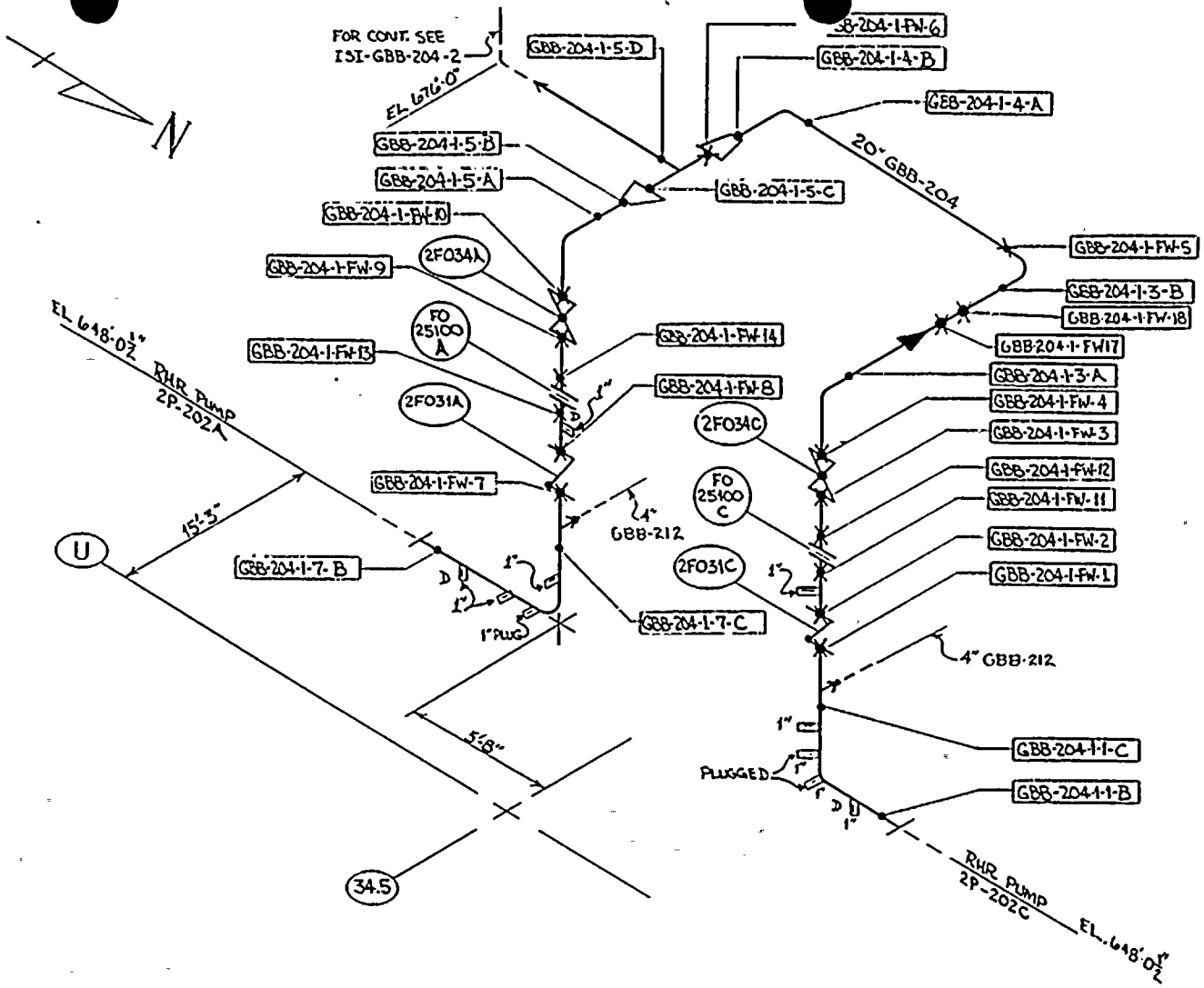
AREA 32 | ELEV. 683'-0" | SCALE- NONE

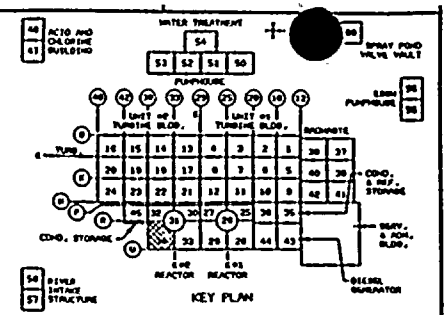
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201519 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-203-2

FRACTIONAL DECIMAL LOCATION CODES SPOTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	564'-9"	565'-9"	564'-9"	566'-9"		
2	574'-9"	579'-9"	599'-9"	577'-9"	754'-9"	578'-9"
3	594'-9"	593'-9"	574'-9"	719'-9"	719'-1"	594'-9"
4	727'-9"	719'-9"	591'-9"		729'-11¼"	714'-9"
5	752'-9"	749'-1"			752'-2½"	723'-9"
6	714'-9"	773'-1"			779'-1"	741'-9"
7		816'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	791'-9"
16		799'-1"				809'-9"

GBB-204-1 (REV-6)	
M-2151 SH.1 (RHR)	E-105951 SH.1
M-34-1	E-106184 SH.1
M-34-2	E-106184 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-204-1

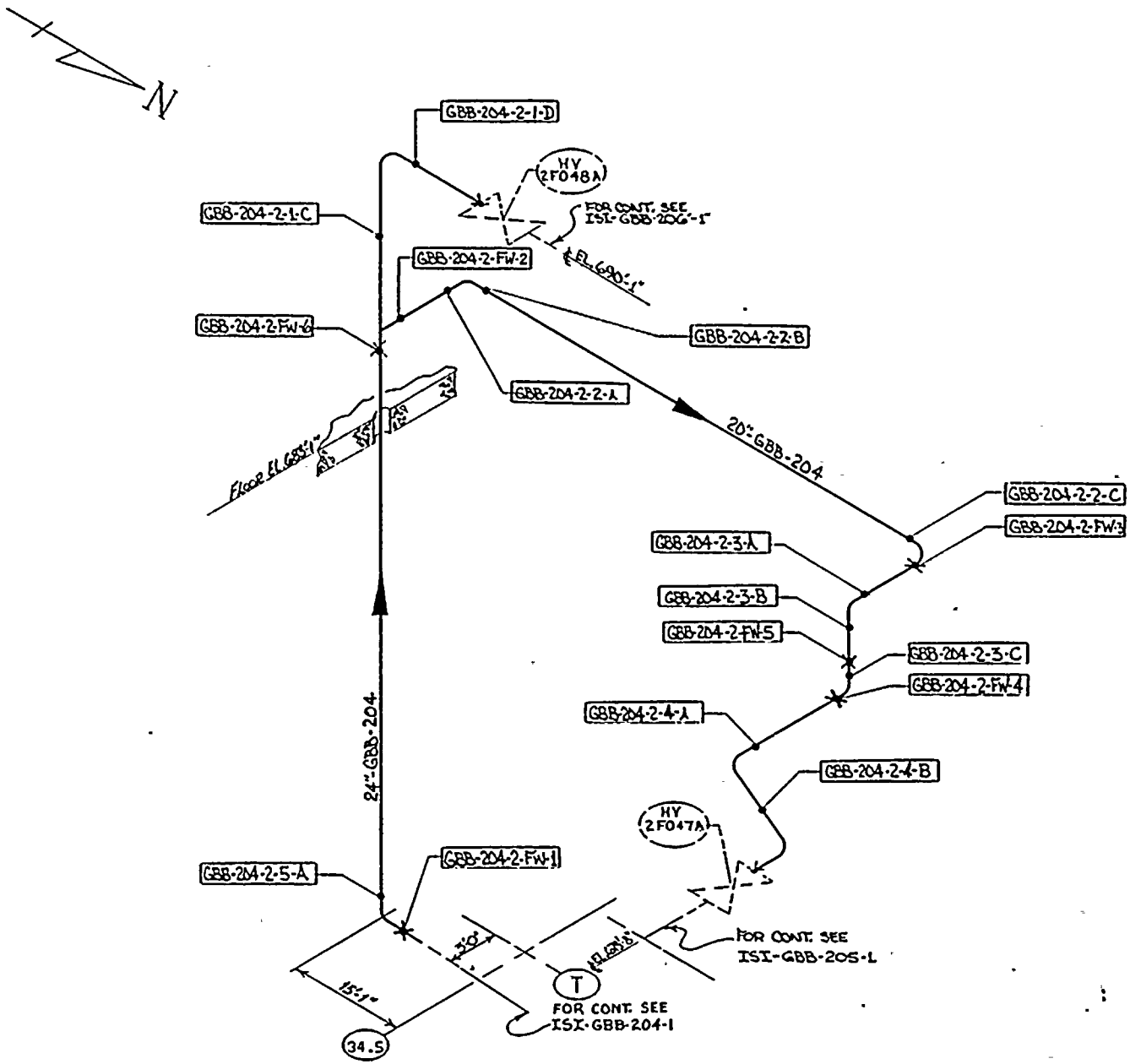
AREA-34 | ELEV.-645'-0" | SCALE- NONE

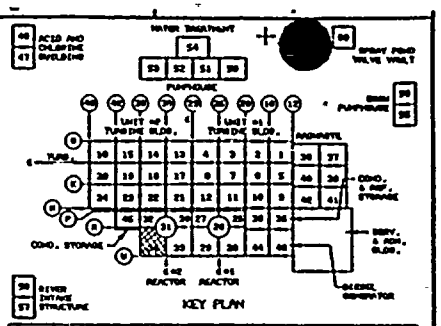
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201520 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-204-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-9"	695'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	694'-9"	693'-9"	679'-9"	718'-9"	719'-1"	698'-9"
4	720'-9"	718'-9"	693'-9"		728'-11.25"	711'-9"
5	745'-9"	749'-1"			732'-2.25"	730'-9"
6	719'-9"	739'-1"			739'-1"	741'-9"
7		816'-1"				754'-9"
12					781'-1"	771'-9"
15					800'-9"	798'-9"
18		799'-1"				809'-9"

GBB-204-2 (Rev. 5)	
M-2151 (R.H.R)	E-105951 SH. 2
M-34-2	E-106184 SH. 2
M-34-3	E-106184 SH. 3
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RC	MJ	JWB	7/8/80

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-GBB-204-2

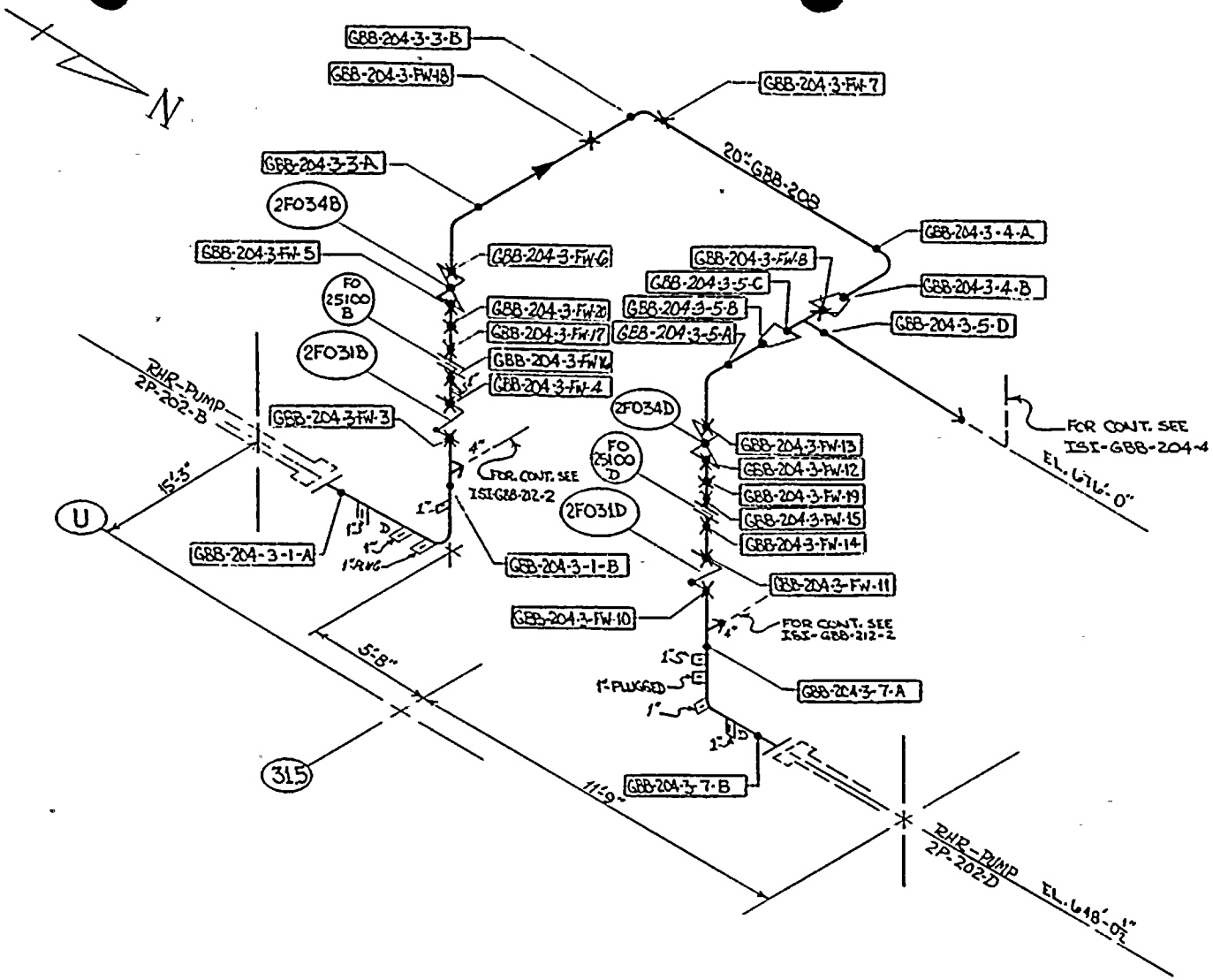
AREA-34 | ELEV.-670'-0" | SCALE- NONE

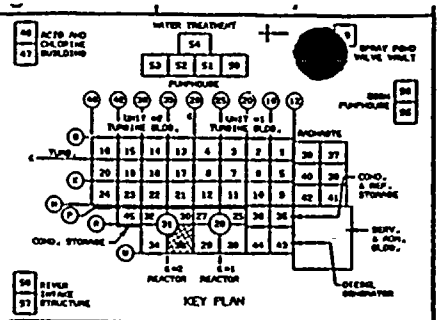
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201521 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-204-2

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	INCINERATOR BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	594'-9"	595'-9"	594'-9"	599'-9"		
2	676'-9"	676'-9"	666'-9"	677'-9"	704'-9"	676'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	718'-1"	699'-9"
4	726'-9"	719'-9"	693'-9"		730'-11½"	714'-9"
5	745'-9"	740'-1"			752'-2½"	729'-9"
6	765'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					799'-9"	789'-9"
16		799'-1"				809'-9"

GBB-204-3 (Rev. 6)	
M-2151 (RHR)	E-105951 SH. 2
M-33-1	E-106183 SH. 1.
M-33-2	E-106183 SH. 2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-204-3

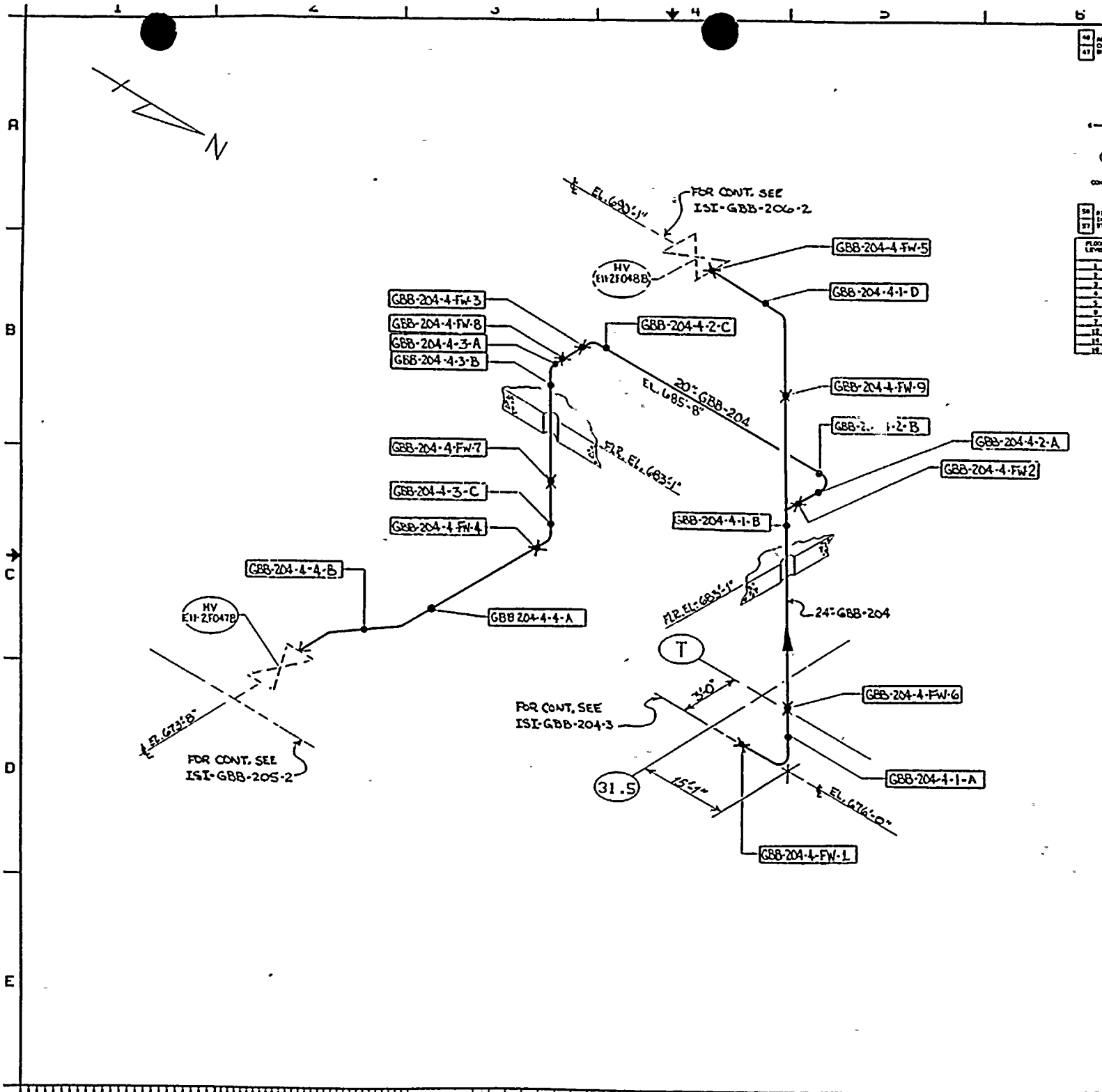
AREA-33 | ELEV. 645'-0" | SCALE- NONE

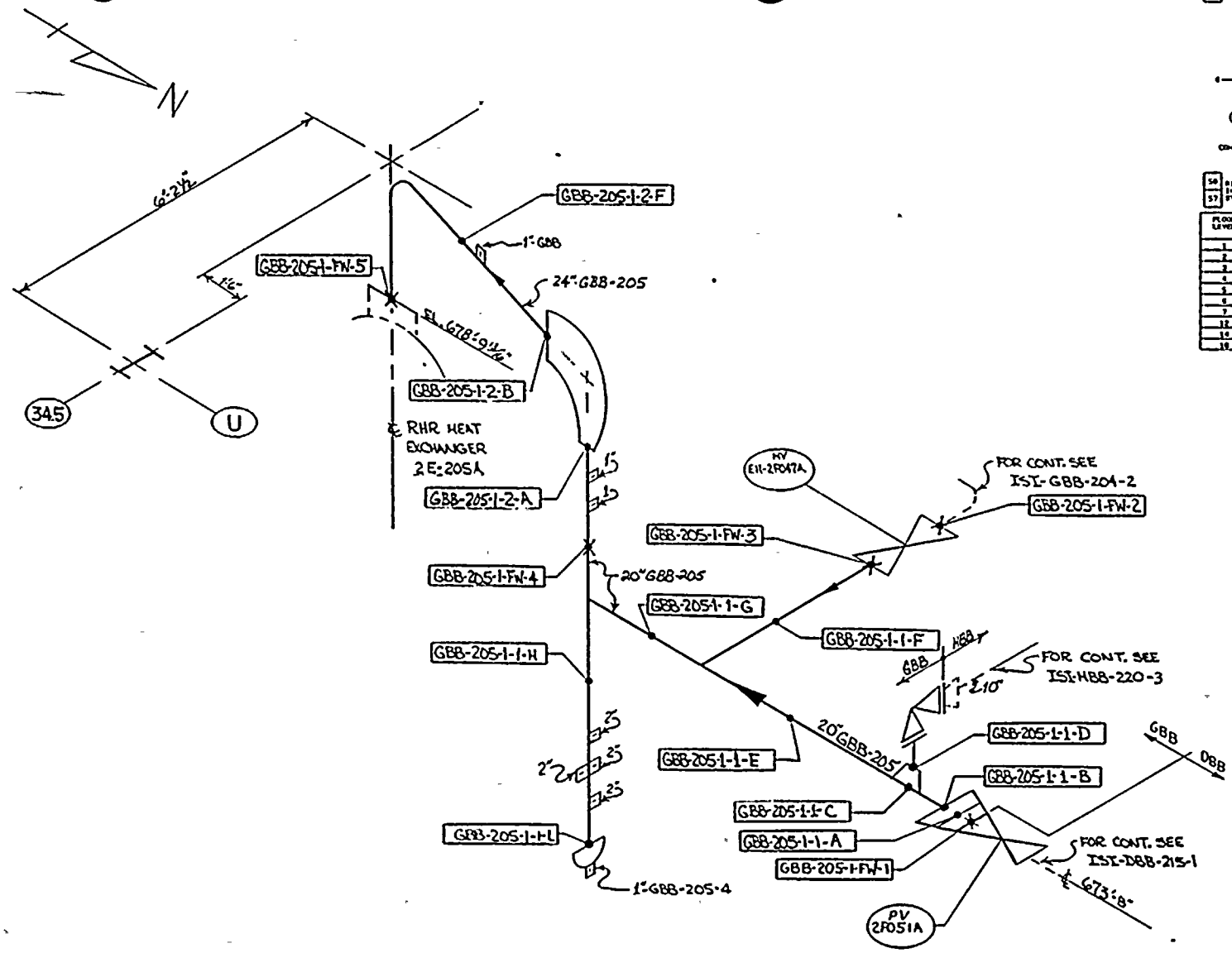
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

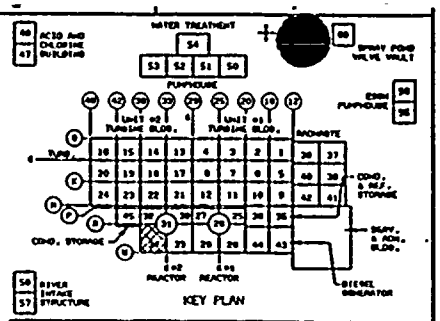
PP&L DRAWING NO. C-201522 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-204-3

FRACTIONAL | DECIMAL | G 2 2 2 0 | G | G | LOCATION CODES | G | G | H | SORTS


N
FOR CONT. SEE ISI-GBB-206-2
EL. 690'-1"
HV E11-2F048B
GBB-204-4-FW-5
GBB-204-4-1-D
GBB-204-4-FW-3
GBB-204-4-FW-8
GBB-204-4-3-A
GBB-204-4-3-B
GBB-204-4-2-C
20"-GBB-204
EL. 685'-8"
GBB-204-4-FW-9
GBB-204-4-2-B
GBB-204-4-2-A
GBB-204-4-FW2
GBB-204-4-FW-7
FLR. EL. 683'-1"
GBB-204-4-3-C
GBB-204-4-FW-4
GBB-204-4-1-B
GBB-204-4-4-B
HV E11-2F047B
GBB 204-4-4-A
FLR. EL. 685'-1"
24"-GBB-204
T
FOR CONT. SEE ISI-GBB-204-3
3'-0"
GBB-204-4-FW-6
31.5
15'-4"
EL. 676'-0"
GBB-204-4-1-A
GBB-204-4-FW-1
FLR. EL. 673'-8"
FOR CONT. SEE ISI-GBB-205-2
KEY PLAN
GBB-204-4 (RW-4)
M-215I (RHR) E-105951 SHT. 2
M-33-2 E-106183 SH. 2
M-33-3 E-106183 SH. 3
AE DRAWING NO. PP&L DRAWING NO.
REFERENCE DRAWINGS
0 INITIAL ISSUE
REV DESCRIPTION DR CH APPROVED DATE
QUALITY RELATED ASME SECT. XI
SUSQUEHANNA S.E.S.
UNIT 2
INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-204-4
AREA-33 ELEV. 670'-0" SCALE- NONE
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.
PP&L DRAWING NO. C-201523
SHEET NO. 1
REV. NO. 0
AE DRAWING NO. ISI-GBB-204-4
FRACTIONAL
DECIMAL
LOCATION CODES
SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
	914'-9"	895'-9"	899'-9"	898'-9"		
2	874'-9"	870'-9"	893'-9"	873'-9"	784'-9"	878'-9"
3	844'-9"	847'-9"	878'-9"	848'-9"	738'-1"	844'-9"
4	779'-9"	818'-9"	861'-9"		738'-11 1/2"	814'-9"
5	762'-9"	744'-1"			732'-2 1/2"	779'-9"
6	714'-9"	779'-1"			779'-1"	744'-9"
7		818'-1"				734'-9"
12					721'-1"	771'-9"
14					699'-9"	793'-9"
19		799'-1"				899'-9"

GBB-205-1 (Rev.-4)	
M-2151 (RHR.)	E-105951 SH.1
M-34-2	E-106184-SH.2
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-205-1

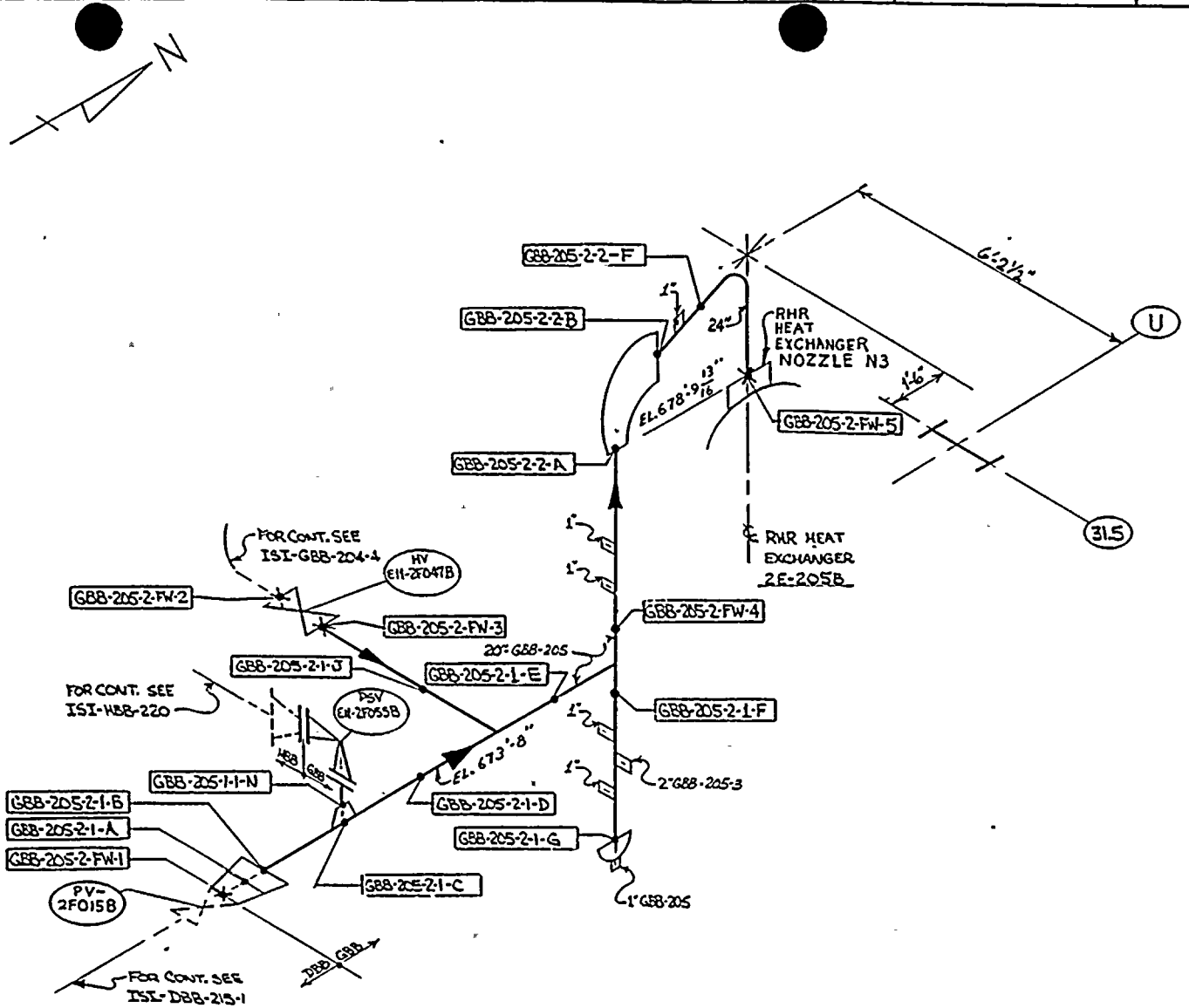
AREA-34 | ELEV: 670'-0 | SCALE- NONE

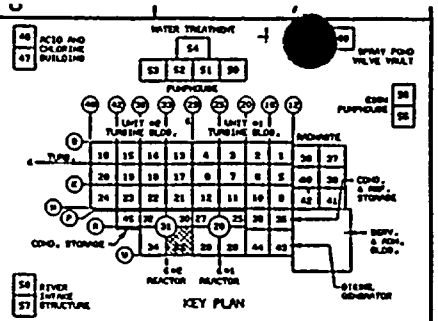
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201524 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-205-1

FRACTIONAL DECIMAL G 2 2 2 0 LOCATION CODES M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CRYWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	658'-0"	649'-0"	649'-0"	699'-0"		
2	676'-0"	676'-0"	699'-0"	677'-0"	701'-0"	676'-0"
3	698'-0"	697'-0"	676'-0"	719'-0"	717'-1"	699'-0"
4	723'-0"	714'-0"	691'-0"		728'-11 1/4"	714'-0"
5	742'-0"	746'-1"			752'-2 1/4"	732'-0"
6	764'-0"	779'-1"			779'-1"	741'-0"
7		811'-1"				764'-0"
12					791'-1"	771'-0"
14					899'-0"	792'-0"
19		799'-1"				909'-0"

GBB-205-2 (REV. 5)	
M-2151 (R.H.R)	E-105951 (SHT. 2)
M-33-2	E-106183 SH. 2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-205-2

AREA-33 | ELEV. 670'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

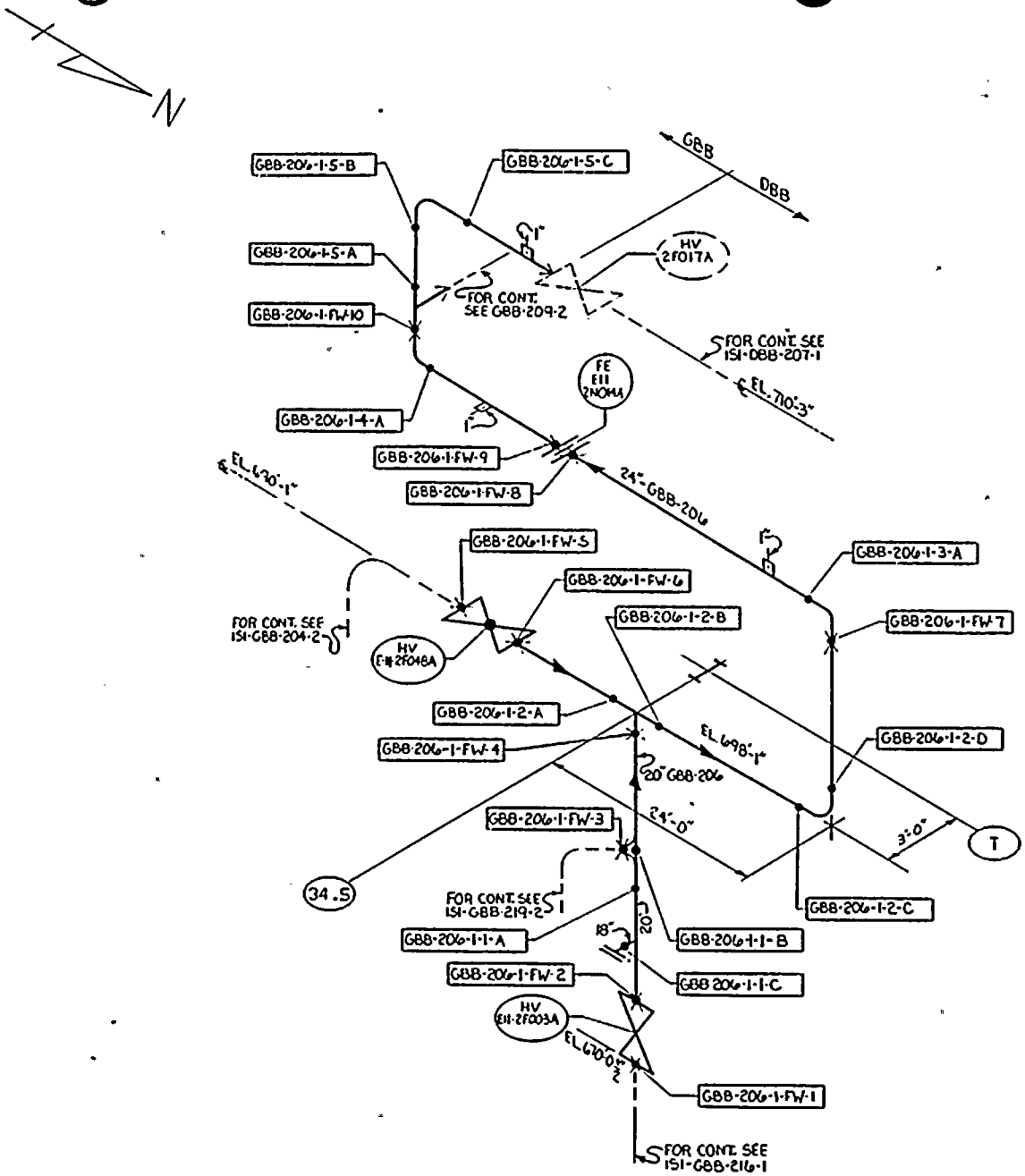
PP&L DRAWING NO. C-201525 | SHEET NO. 1 | REV. NO. 0

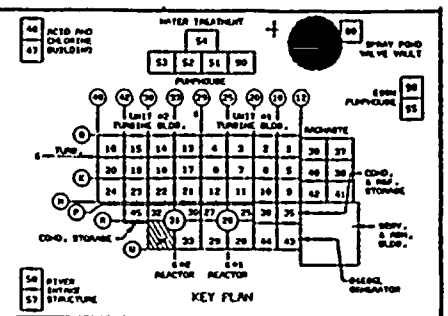
AE DRAWING NO. ISI-GBB-205-2

FRACTIONAL DECIMAL

G 2 2 2 0 G G G G M

LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	954'-9"	844'-9"	844'-9"	844'-9"		
2	679'-9"	679'-9"	844'-9"	677'-9"	704'-9"	679'-9"
3	844'-9"	692'-9"	679'-9"	710'-9"	719'-1"	694'-9"
4	703'-9"	713'-9"	691'-9"		739'-11 1/4"	713'-9"
5	753'-9"	749'-1"			753'-2 1/4"	723'-9"
6	715'-9"	779'-1"			779'-1"	741'-9"
7		810'-1"				754'-9"
12					781'-1"	771'-9"
15					844'-9"	787'-9"
19		779'-1"				844'-9"

M-2151 SHT.1 (R.H.R.)	E-105951 SHT. 1
M-34-2	E-106184 SHT. 2
M-34-3	E-106184 SHT. 3
GBB-206-1 (REV.6)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	MAF	EWJ		

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

WELD IDENTIFICATION

ISI-GBB-206-1

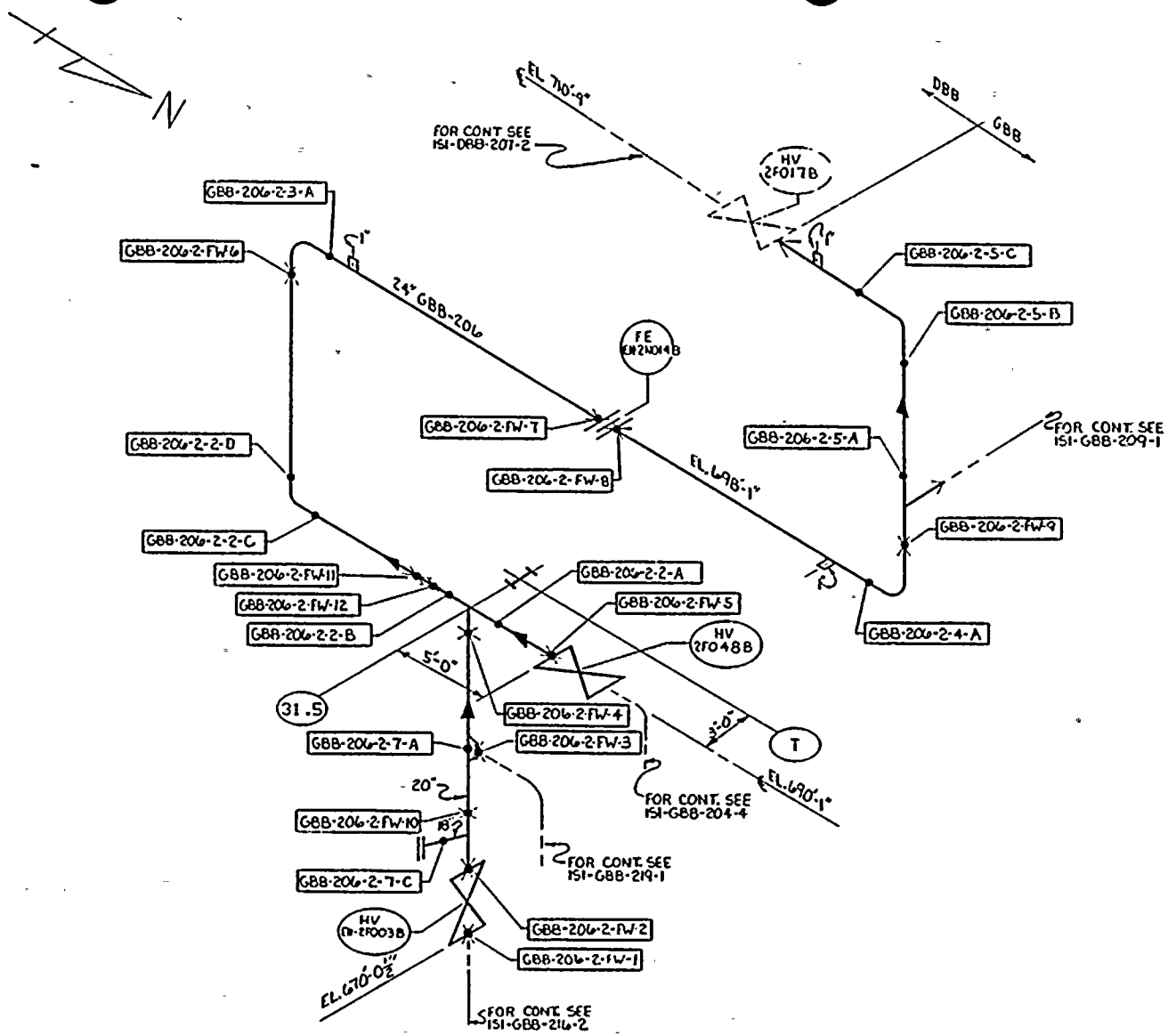
AREA 34 | ELEV. 670'-0" | SCALE- NONE

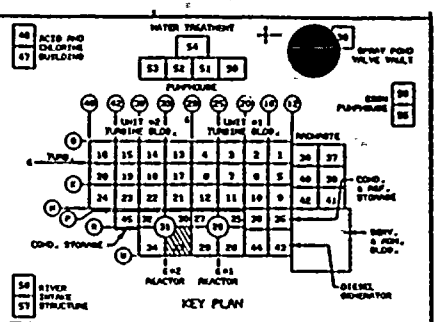
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. G-201526 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-206-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

M2151 (R.H.R)	E 105951 SHT. 2
M-33-2	E 106183 SHT. 2
M-33-3	E 106183 SHT. 3
GBB-206-2 (REV. 4)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-GBB-206-2

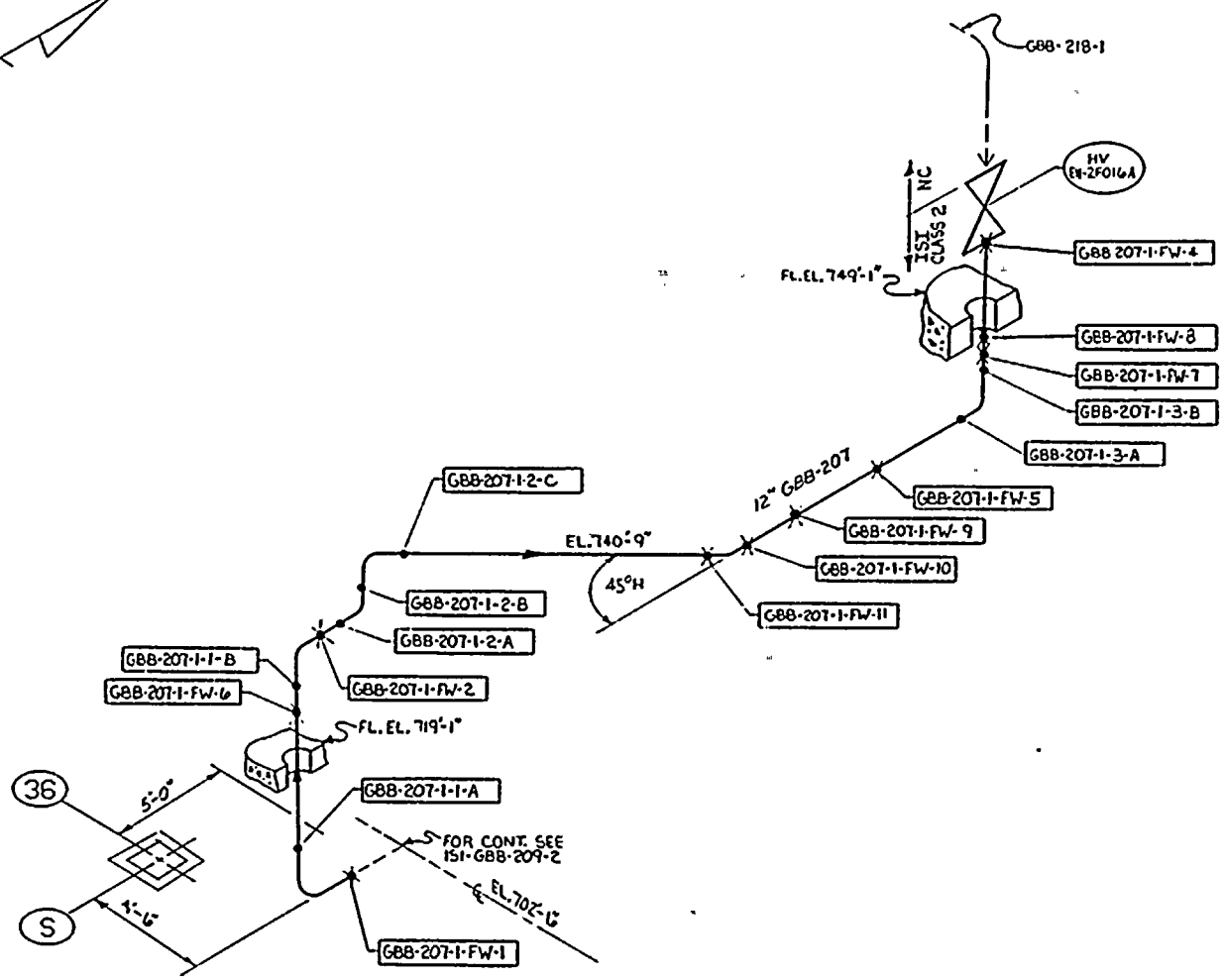
AREA 33 | ELEV. 670'-0" | SCALE- NONE

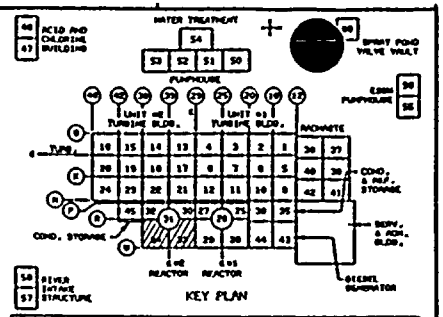
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201527 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-206-2

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

M-2151 (R.H.R)	E 105951 SHT.1
M-33-4	E 106183 SHT.4
M-33-5	E 106183 SHT.5
M-34-3	E 106184 SHT.3
M-34-4	E 106184 SHT.4
GBB-207-1 (REV.6)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	MAP	EM	MES.	12/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-GBB-207-1

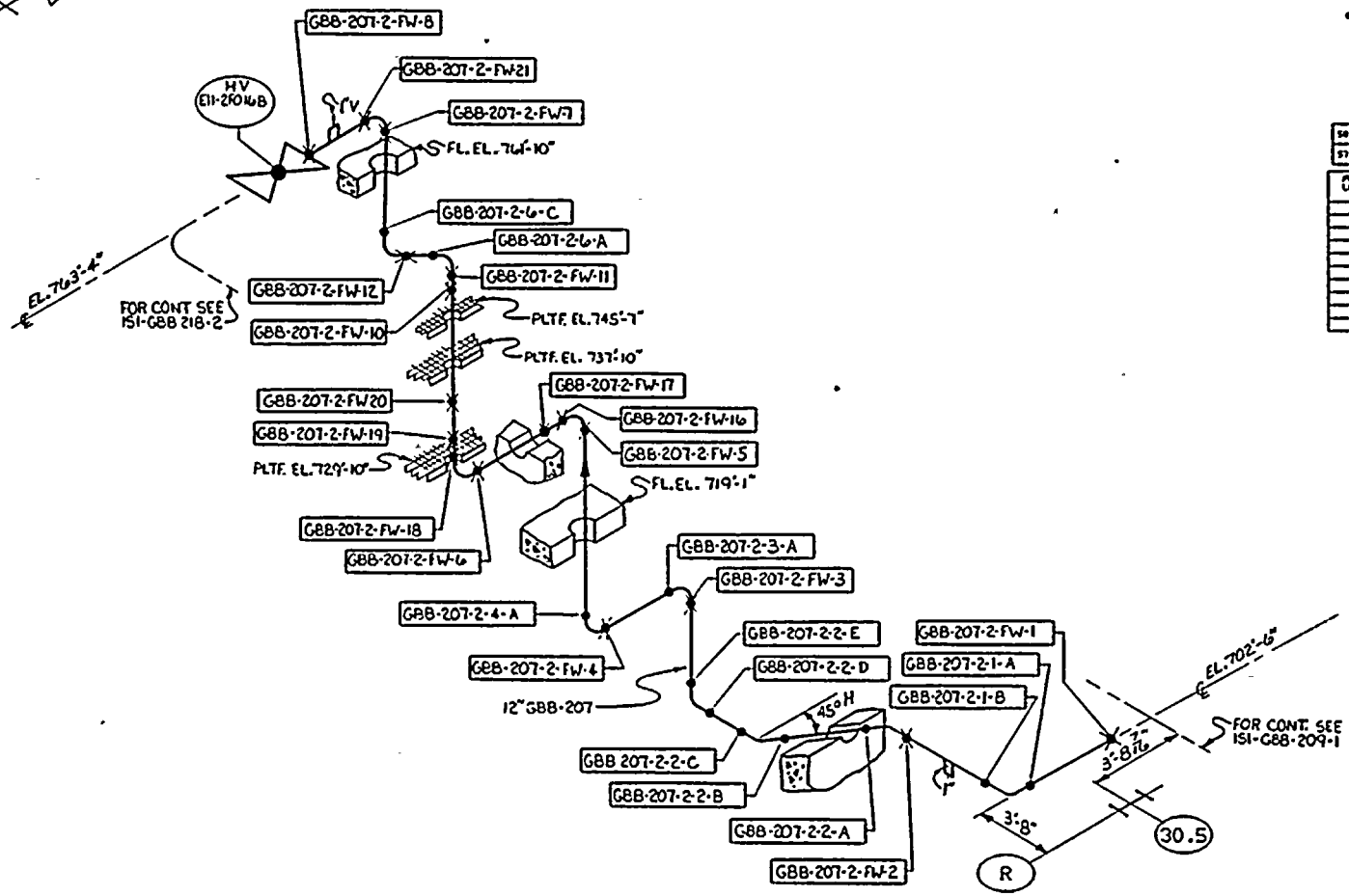
AREA 33.34 | ELEV. 683'-0 | SCALE- NONE

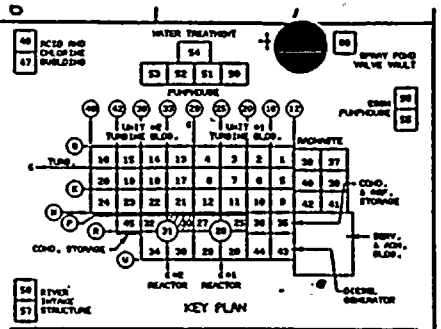
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201528 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-207-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CRYSTALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	645'-0"	645'-0"	644'-0"		
2	676'-0"	676'-0"	669'-0"	677'-0"	704'-0"	676'-0"
3	698'-0"	697'-0"	676'-0"	716'-0"	719'-1"	698'-0"
4	722'-0"	719'-0"	697'-0"		728'-11 1/2"	719'-0"
5	733'-0"	749'-1"			733'-2 1/2"	722'-0"
6	719'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	793'-0"
19		799'-1"				809'-0"

M 2151 (R.H.R)	E 105951 SHT.2
M-30-3	E 106180 SHT.3
M-30-4	E 106180 SHT.4
M-30-5	E 106180 SHT.5
GBB-207-2 (REV5)	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-207-2

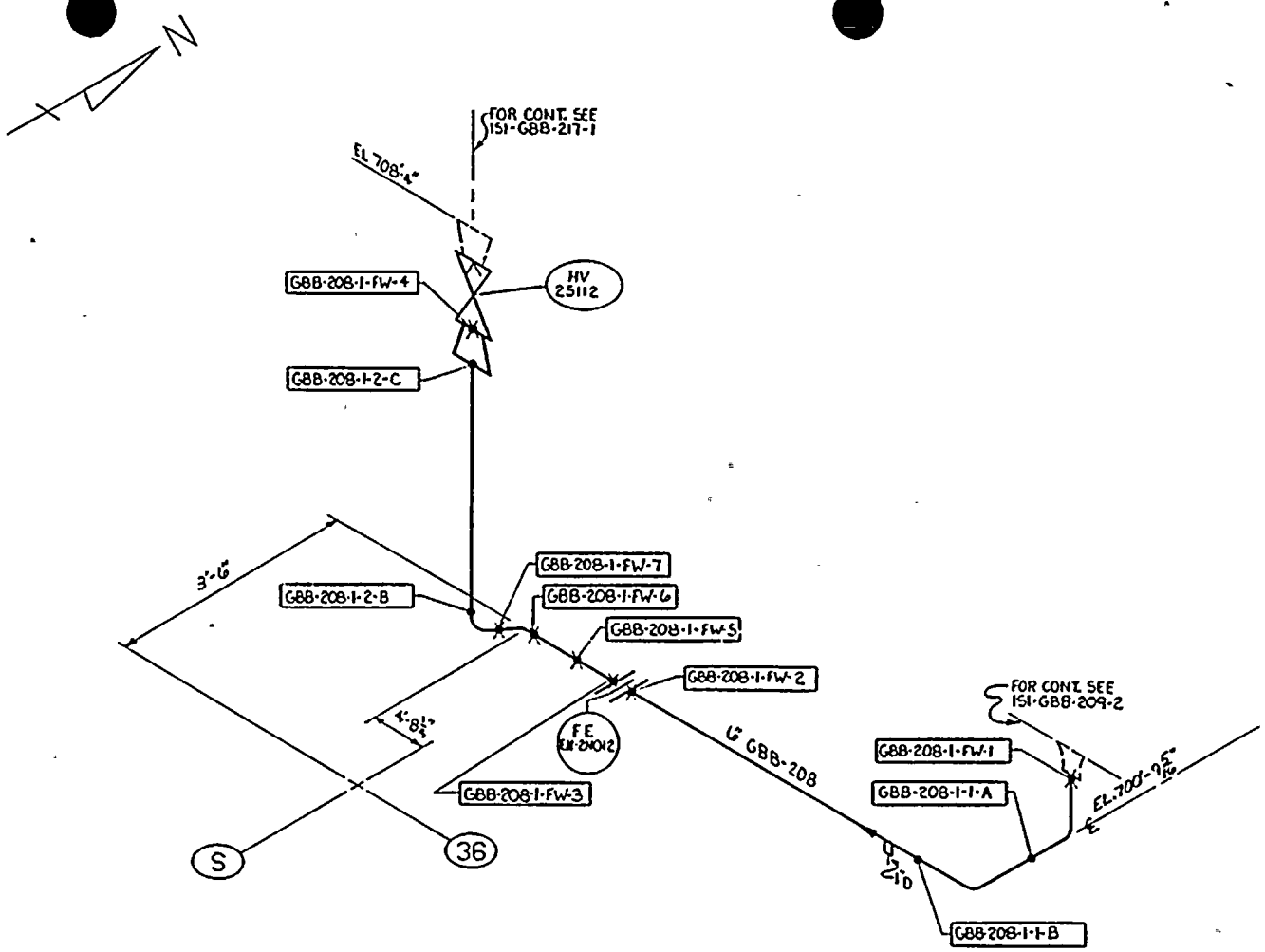
AREA 30 | ELEV. 683'0" | SCALE- NONE

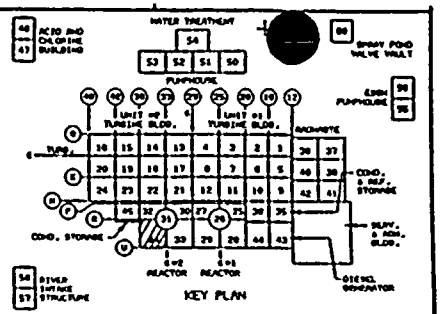
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201529 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-207-2

FRACTIONAL | DECIMAL | G 2 2 2 0 | G | G | G | G | G | M | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR BLDG. EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	695'-9"	644'-9"	698'-9"		
2	679'-9"	698'-9"	669'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	729'-9"	719'-9"	691'-9"		739'-11 1/2"	714'-9"
5	792'-9"	749'-1"			752'-3 1/2"	732'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
18		799'-1"				809'-9"

M 2151 (RHR)	E 105951 SHT. 1
M-34-3	E 106184 SHT. 3
GBB-208-1 (REV. 3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-208-1

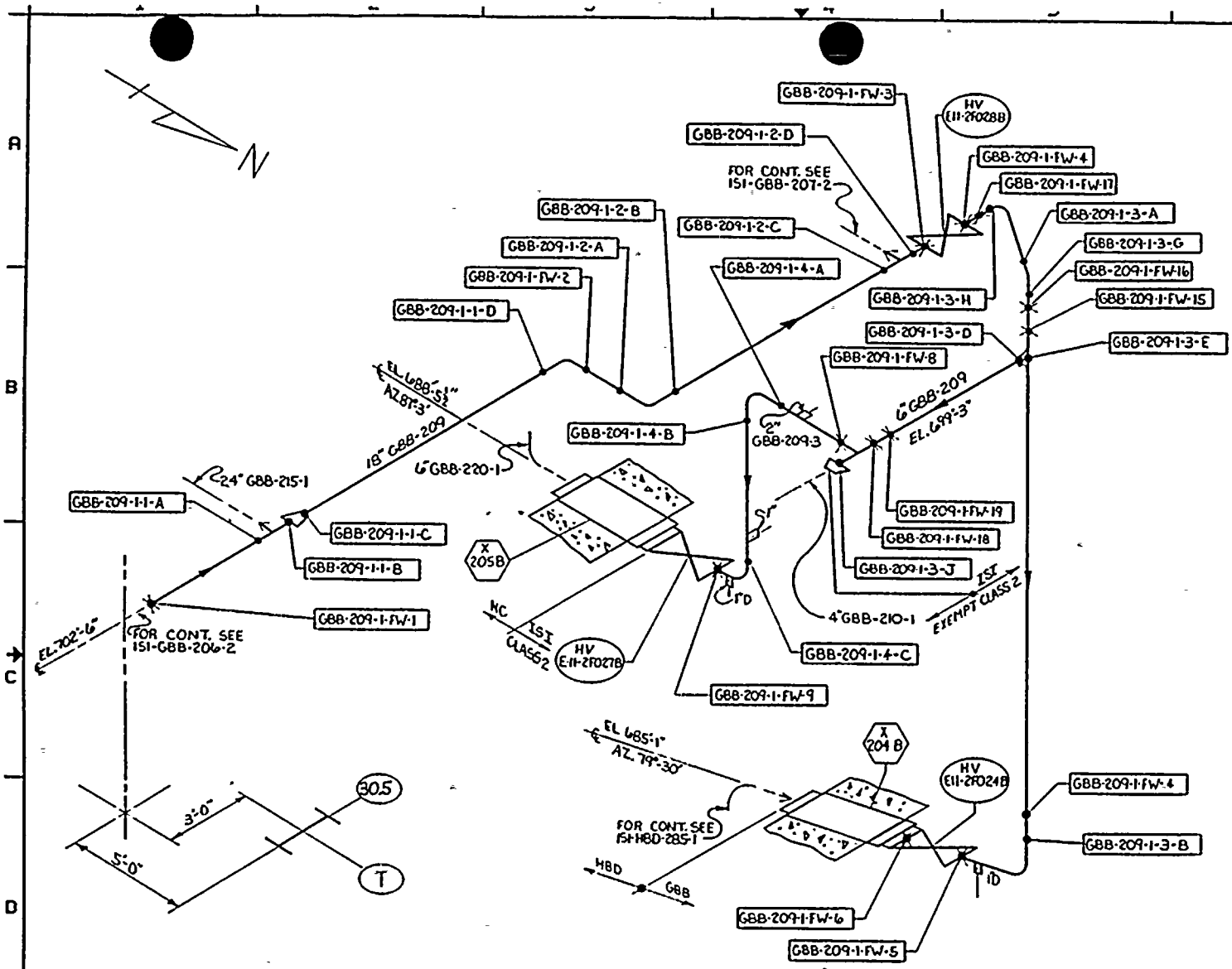
AREA 34 | ELEV. 683'-0" | SCALE- NONE

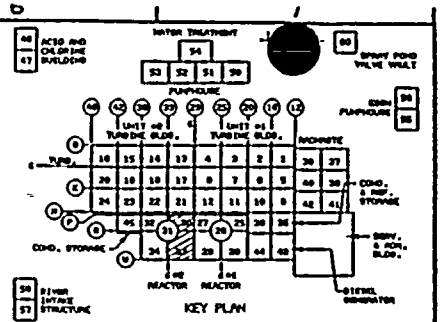
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201530 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-208-1

FRACTIONAL DECIMAL G 2 Z 2 0 G G G G G M LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	669'-9"	695'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	718'-9"	718'-1"	689'-9"
4	729'-9"	718'-9"	691'-9"		729'-11¼"	711'-9"
5	739'-9"	749'-1"			732'-2¼"	729'-9"
6	754'-9"	772'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					844'-9"	799'-9"
16		799'-1"				844'-9"

M-21-51 (RHR)	E105951 SHT.2
M-30-3	E106180 SHT.3
M-33-3	E106183 SHT.3
GBB-209-1 (REV.6)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-209-1

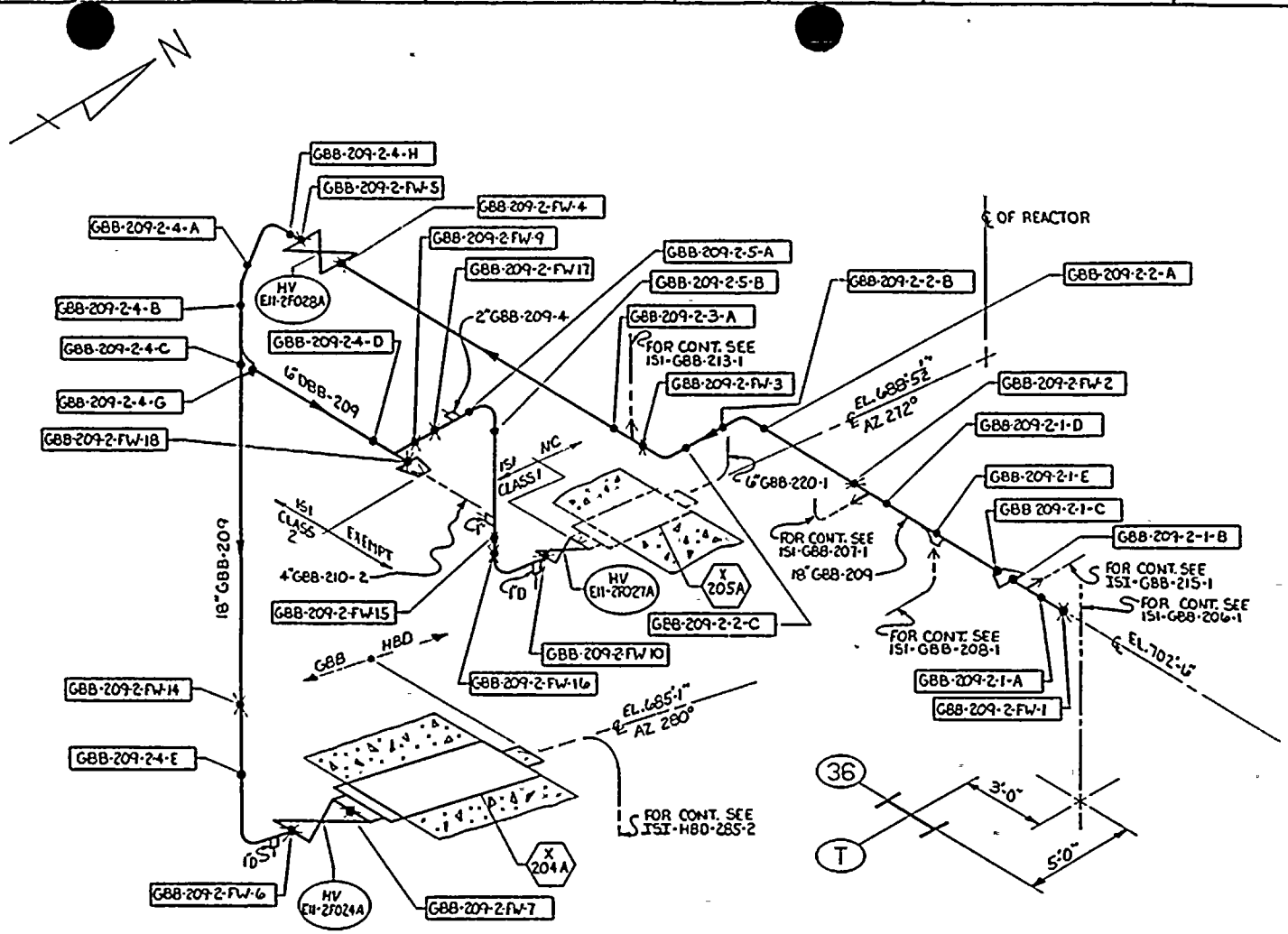
AREA 30.33 | ELEV. 683'-0" | SCALE- NONE

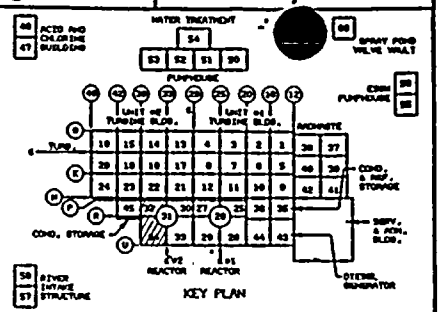
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201531 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-209-1

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORITE BLDG. EL.	DIESEL GENERATOR BLDG. EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	903'-0"	903'-0"	903'-0"	888'-0"		
2	676'-0"	676'-0"	880'-0"	877'-0"	704'-0"	676'-0"
3	698'-0"	697'-0"	676'-0"	719'-0"	718'-1"	698'-0"
4	728'-0"	718'-0"	691'-0"		728'-11¼"	714'-0"
5	752'-0"	748'-1"			752'-2½"	722'-0"
6	734'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					793'-1"	771'-0"
14					808'-0"	793'-0"
19		779'-1"				808'-0"

M-2151 (RHR)	E 105951 SHT.1
M-32-3	E 106182 SHT.3
M-34-3	E 106184 SHT.3
GBB-209-2 (REV 8)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

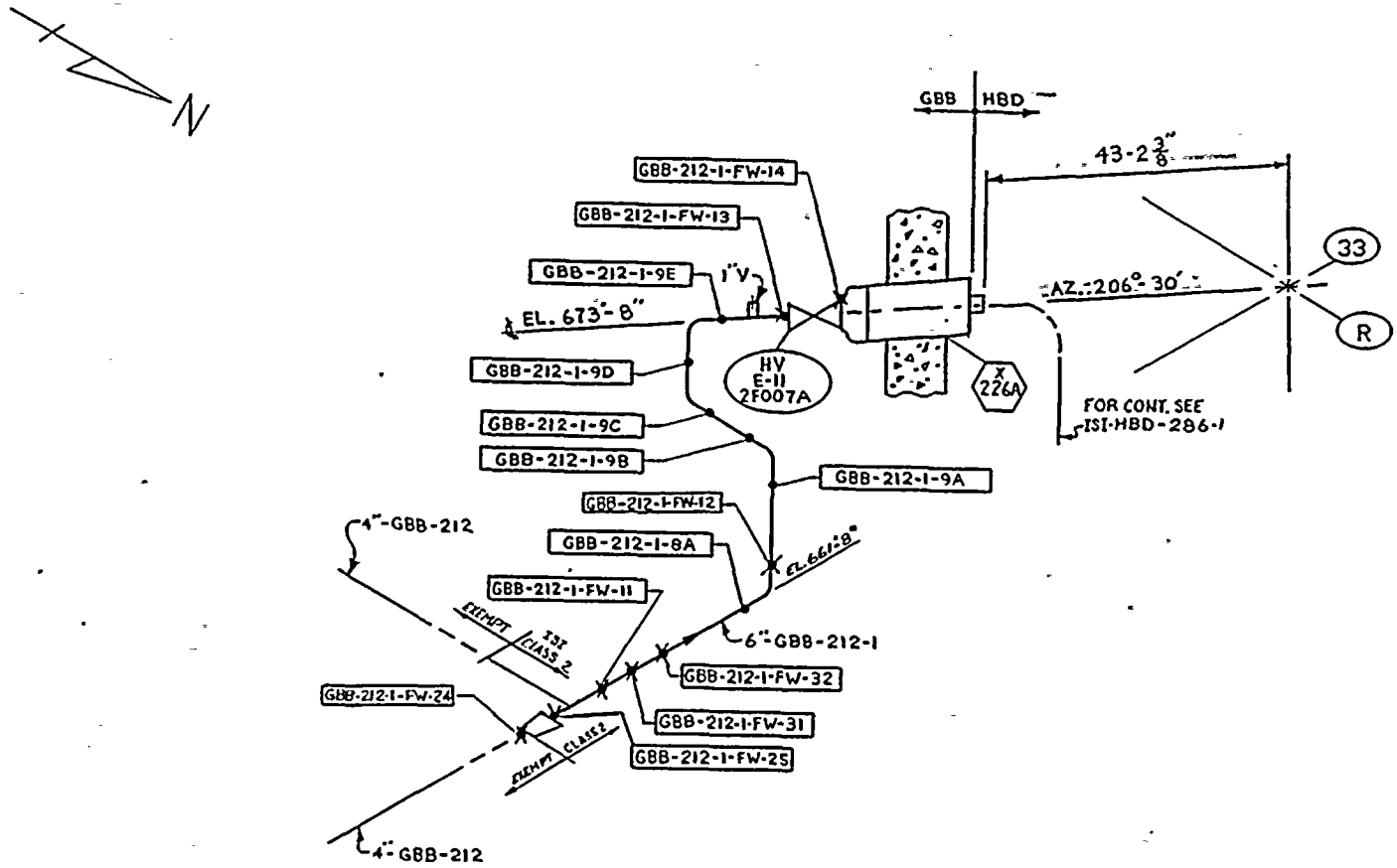
ISI-GBB-209-2

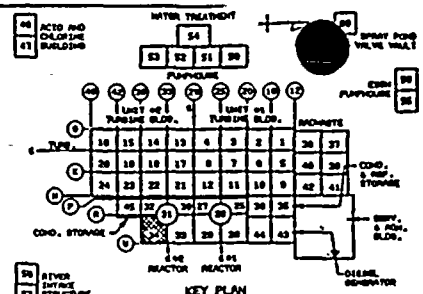
AREA 32,34 | ELEV. 683'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201532 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-209-2





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MACHINITE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

GBB-212-1 (REV. 4)	
M-2151 R.H.R.	E-105951
M-34-1	E-106184-1
M-34-2	E-106184-2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-212-1

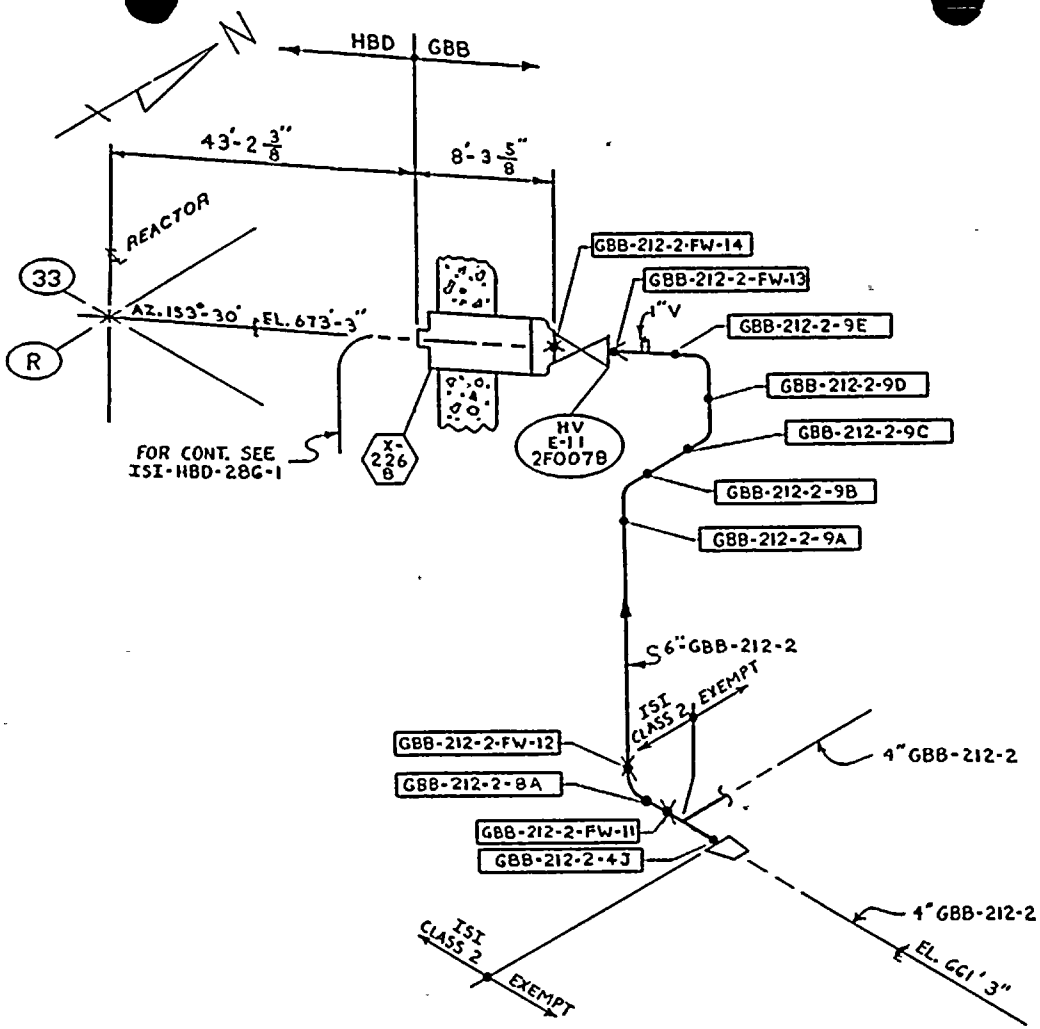
AREA 34 | ELEV. 645'-8" | SCALE- NONE

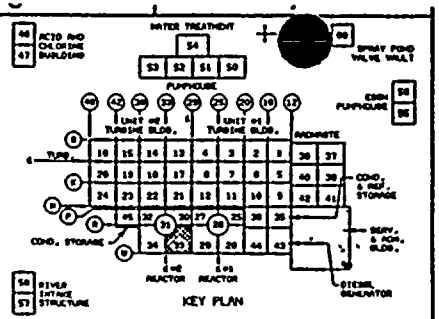
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201533 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-212-1

G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	695'-0"	695'-0"	699'-0"		
2	676'-0"	676'-0"	699'-0"	677'-0"	704'-0"	676'-0"
3	699'-0"	692'-0"	676'-0"	718'-0"	719'-1"	696'-0"
4	722'-0"	718'-0"	691'-0"		726'-11½"	716'-0"
5	742'-0"	746'-1"			752'-2½"	729'-0"
6	764'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					781'-1"	771'-0"
14					809'-0"	793'-0"
18		798'-1"				809'-0"

GBB-212-2 (REV. 4)	
M-2151 R.H.R.	E-105951
M-33-1	E-106183-1
M-33-2	E-106183-2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-212-2

AREA 33 | ELEV. 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

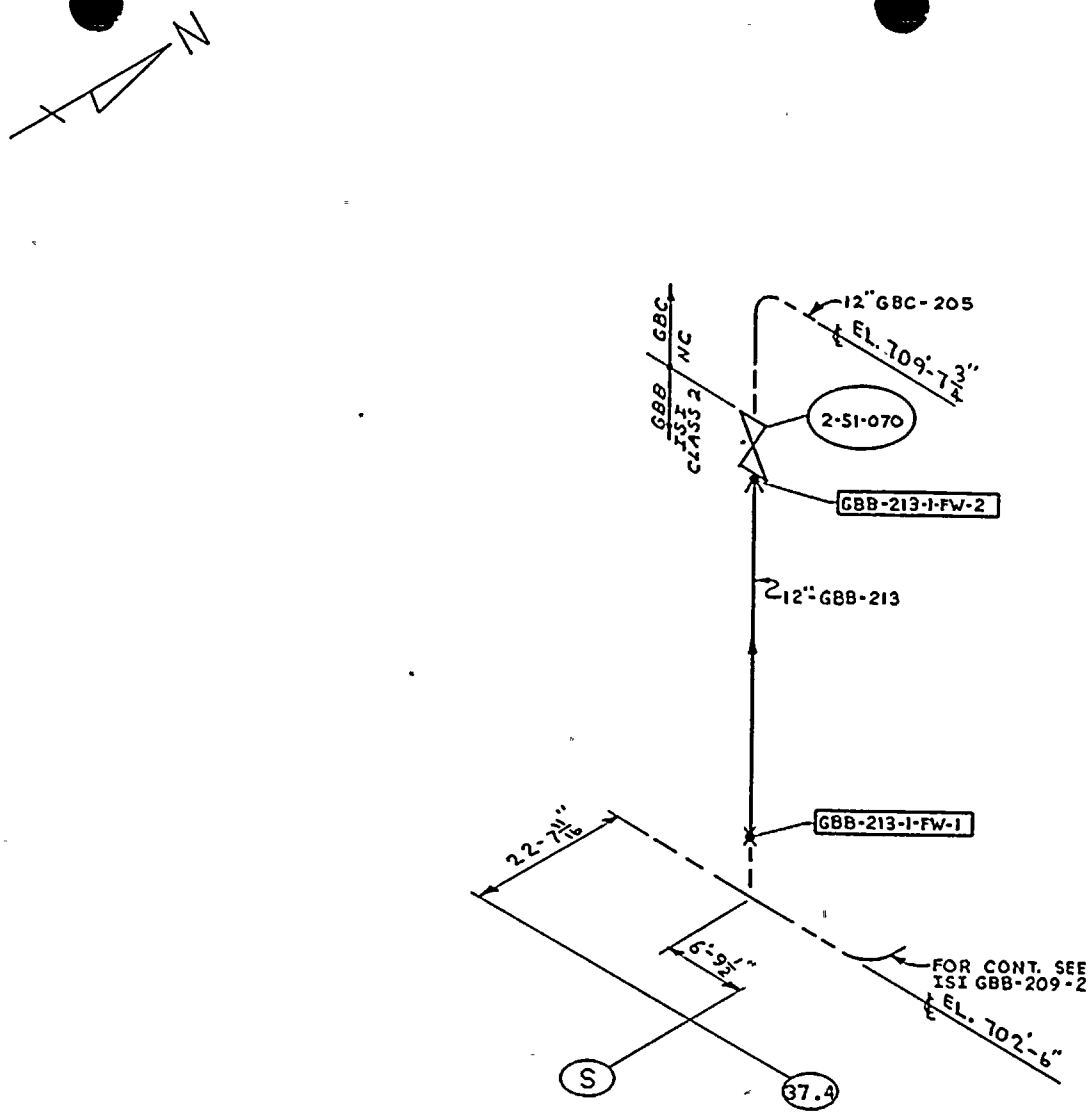
PP&L DRAWING NO. C-201534 | SHEET NO. 1 | REV. NO. 0

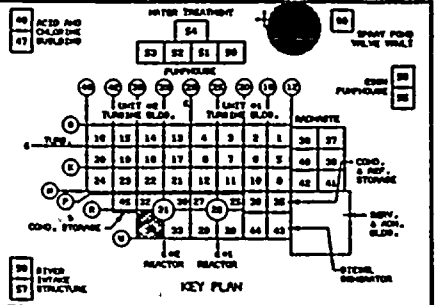
AE DRAWING NO. ISI-GBB-212-2

FRACTIONAL DECIMAL

G 2 Z 2 0 G G G G G M

LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	656'-0"	646'-0"	646'-0"	646'-0"		
2	679'-0"	679'-0"	660'-0"	677'-0"	704'-0"	679'-0"
3	688'-0"	683'-0"	679'-0"	718'-0"	718'-1"	688'-0"
4	723'-0"	718'-0"	683'-0"		729'-11½"	718'-0"
5	732'-0"	749'-1"			732'-7½"	728'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					781'-1"	771'-0"
14					800'-0"	783'-0"
16		799'-1"				802'-0"

GBB-213-1 REV 2	
M-2151 R.H.R.	E-105951 SHT. 1
M-34-3	E-106184-3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASHE SECT. XI

SUSQUEHANNA S.E.S. UNIT #2

INSERVICE INSPECTION ISOMETRIC

WELD IDENTIFICATION

ISI-GBB-213-1

AREA 34 | ELEV. 683'-0" | SCALE- NONE

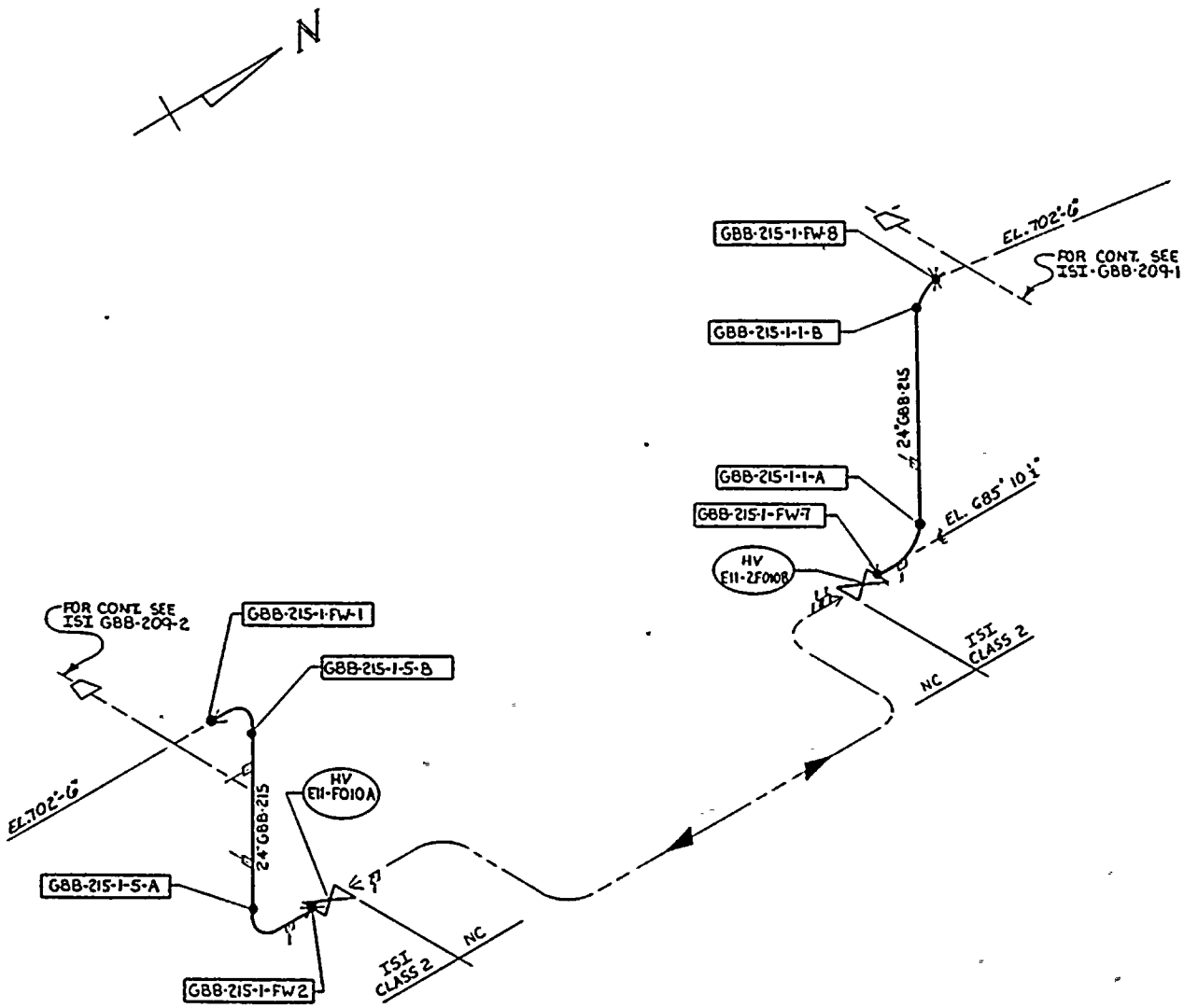
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

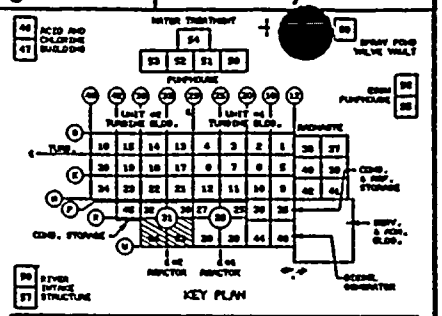
PP&L DRAWING NO. C-201535 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-213-1

FRACTIONAL DECIMAL G2220 G G G G G M

LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

M-34-3	E-106184 SHT. 3
M-33-3	E-106183 SHT. 3
M-215I (RHR)	E 105451 SHT. 1 & 2
GBB-215-1 (REV 1)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

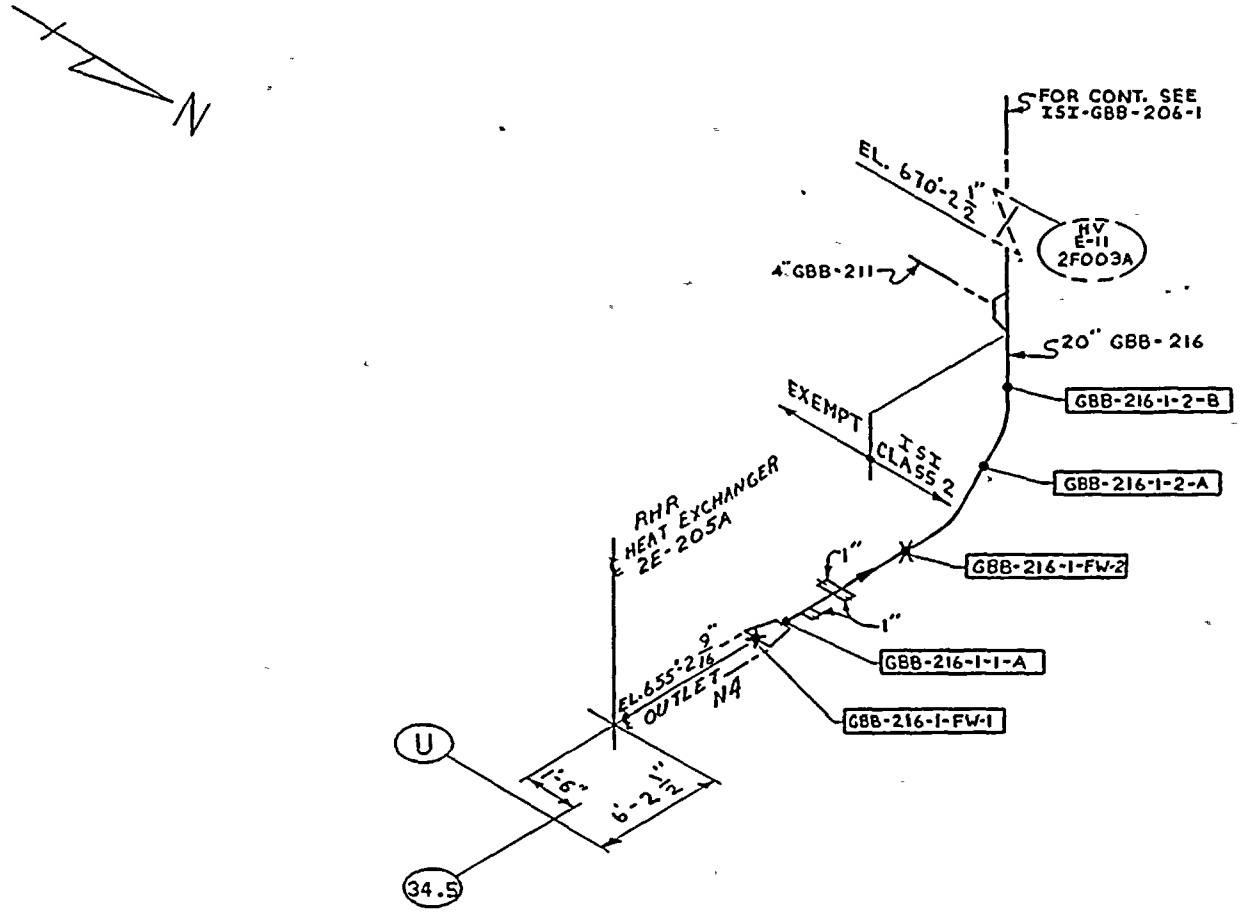
ISI-GBB-215-1

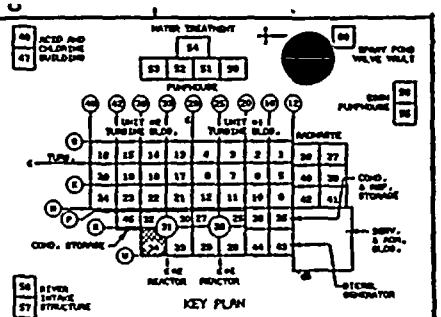
AREA 3334 | ELEV. 683'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-199562 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-215-1





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

GBB-216-1 REV. 3

M-2151 R.H.R.	E-105951
M-34-1	E-106184-1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION ISI-GBB-216-1

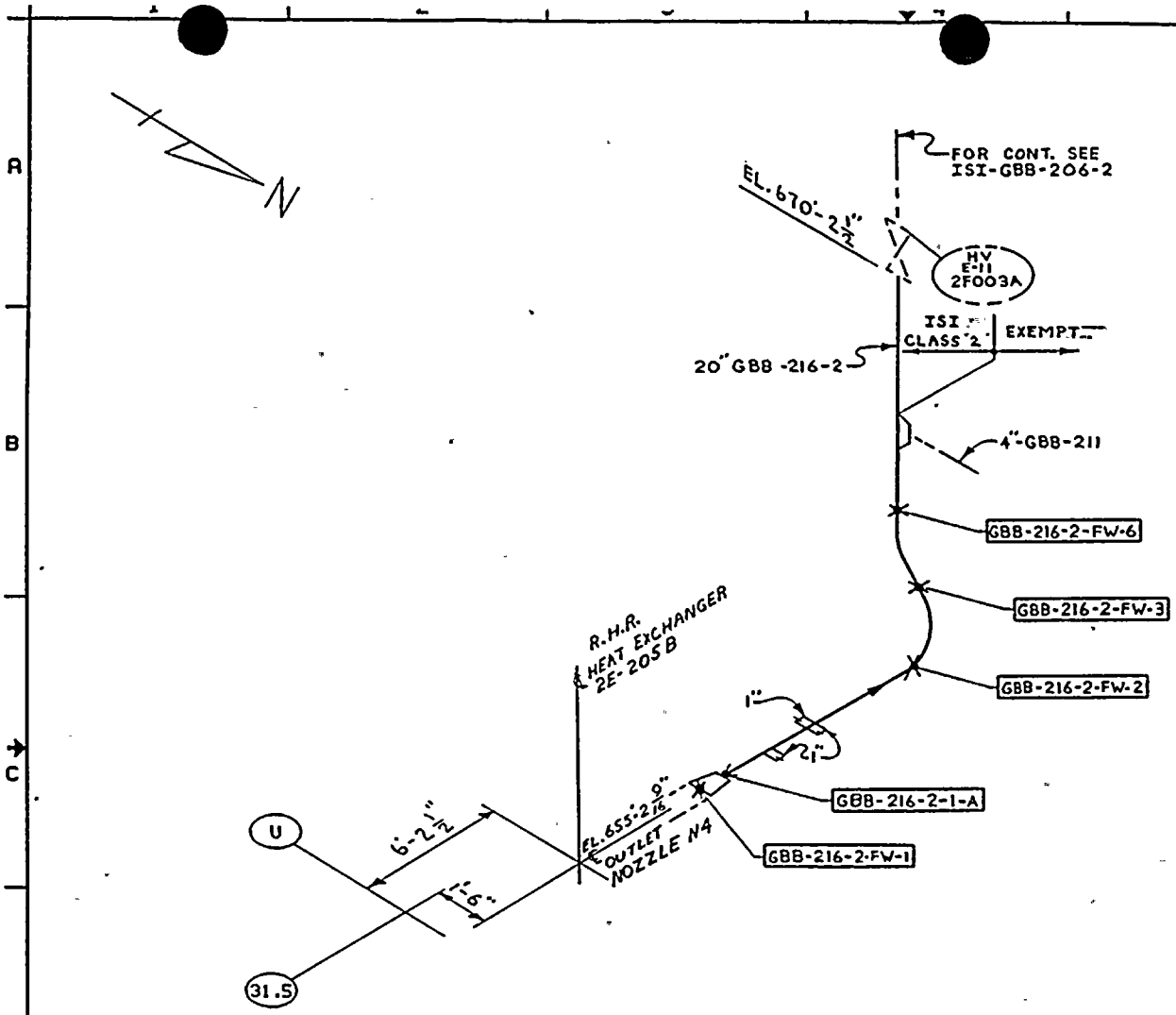
AREA 34 | ELEV. 645'-0" | SCALE- NONE

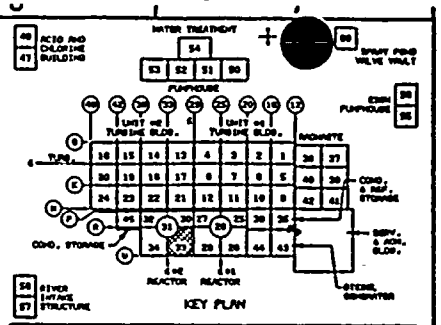
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201536	1	0

AE DRAWING NO. ISI-GBB-216-1

G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	595'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	697'-0"	679'-0"	719'-0"	719'-0"	699'-0"
4	719'-0"	719'-0"	691'-0"		728'-11 1/2"	719'-0"
5	742'-0"	744'-1"			752'-2 1/2"	742'-0"
6	719'-0"	772'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					781'-1"	771'-0"
14					809'-0"	792'-0"
19		799'-1"				809'-0"

GBB-216-2 REV. 3	
M-33-1	E-106183-1
M-2151-2	E-105951 SHT. 2
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	BA	[illegible]	BW	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-GBB-216-2

AREA 33	ELEV. 645'-0"	SCALE- NONE

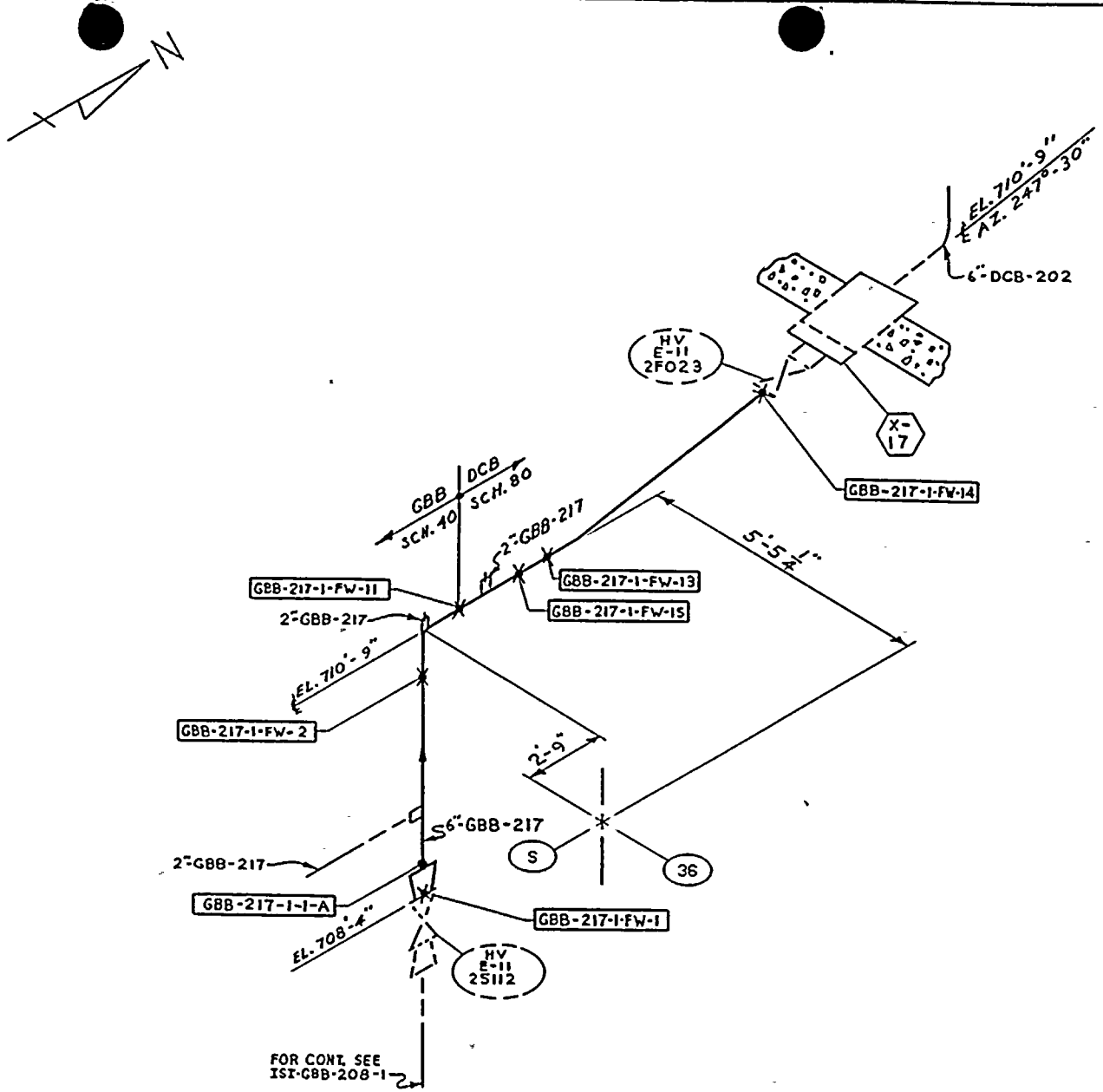
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

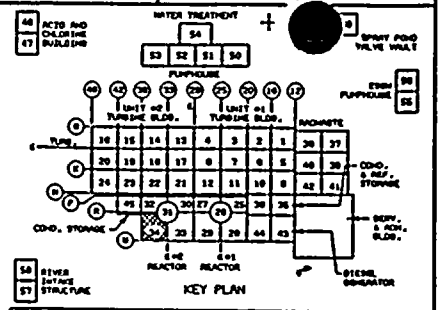
PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201537	1	0
AE DRAWING NO. ISI-GBB-216-2		

FRACTIONAL DECIMAL

G 2 2 2 0 G G G G H

LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	954'-0"	895'-0"	899'-0"	890'-0"		
2	679'-0"	679'-0"	682'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	697'-0"	676'-0"	710'-0"	719'-1"	699'-0"
4	720'-0"	713'-0"	691'-0"		728'-11 1/2"	714'-0"
5	742'-0"	746'-1"			754'-2 1/2"	729'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					806'-0"	792'-0"
16		796'-1"				826'-0"

GBB-217-1(REV. 3)	
M-2151 (R.H.R.)	E-105951(SHT.1)
M-34-3	E-106184
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	BA	HJ	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION ISI-GBB-217-1

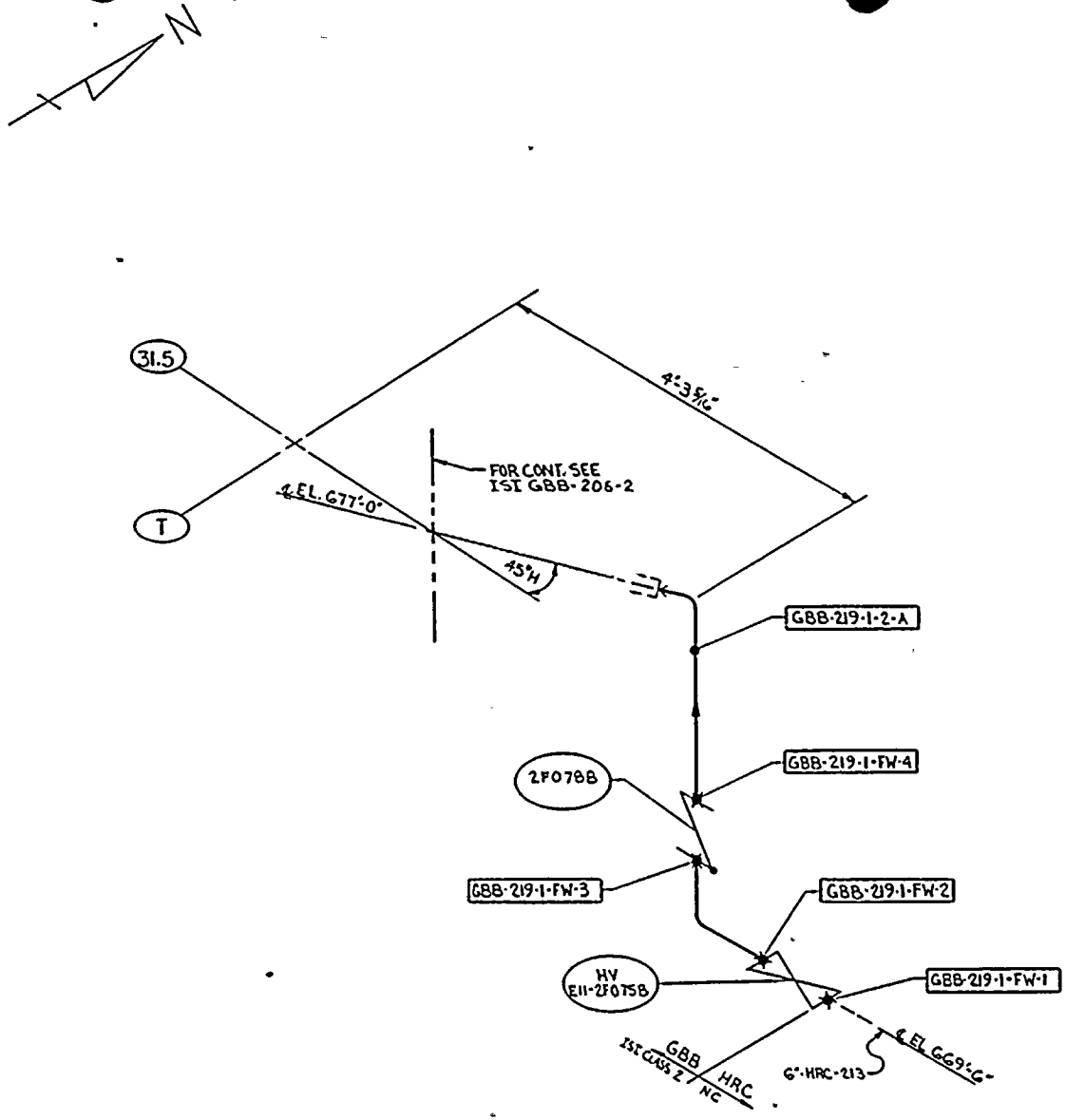
AREA 34 | ELEV. 683'-0" | SCALE- NONE

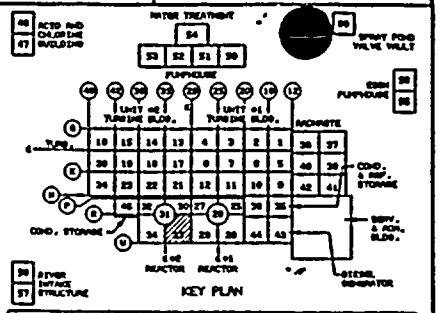
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201538 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-217-1

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	595'-0"	595'-0"	599'-0"		
2	676'-0"	676'-0"	699'-0"	677'-0"	704'-0"	676'-0"
3	699'-0"	693'-0"	676'-0"	716'-0"	713'-1"	699'-0"
4	722'-0"	713'-0"	691'-0"		729'-11 1/2"	713'-0"
5	742'-0"	749'-1"			752'-2 1/2"	722'-0"
6	713'-0"	779'-1"			779'-1"	742'-0"
7		810'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	792'-0"
16		798'-1"				809'-0"

M-2112 (R.H.R.S.W.)	E-162641
M-2151-2 (RHR)	E-105951 SH 2
M-33-2	E-106183 SH.2
GBB-219-1 (Rev.4)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-219-1

AREA 33 | ELEV. 670'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

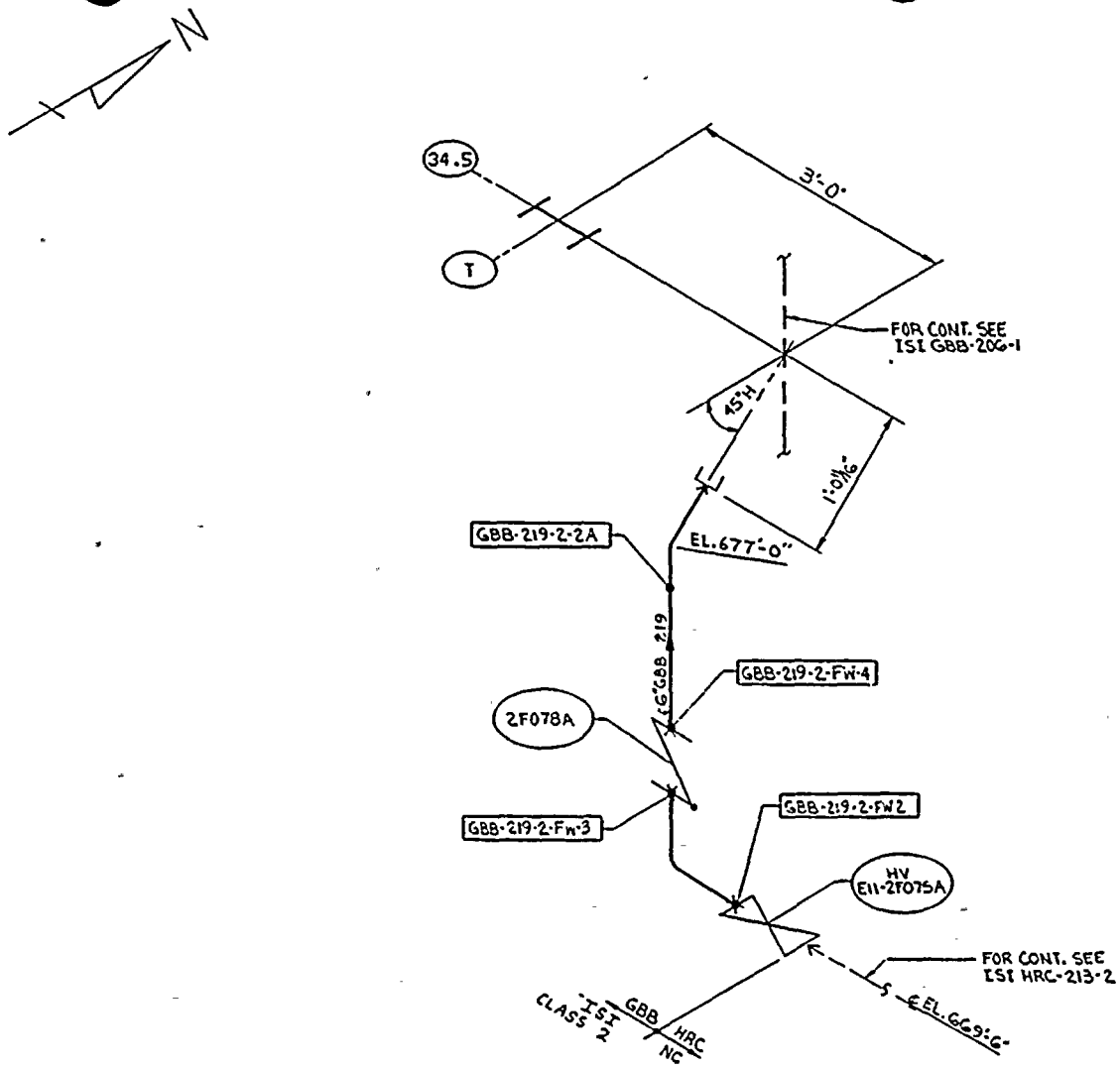
PP&L DRAWING NO. C-201539 | SHEET NO. 1 | REV. NO. 0

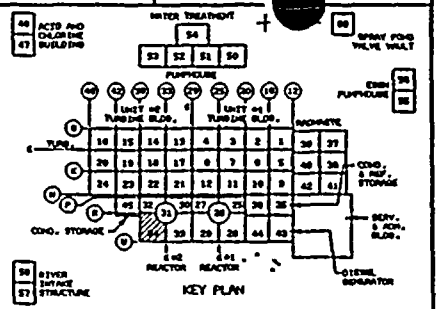
AE DRAWING NO. ISI-GBB-219-1

FRACTIONAL DECIMAL

G 2 2 2 0 | G | G | G | G | H

LOCATION CODES SORIS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MACHINE BLDG. EL.	DIESEL GENERATOR EL.	CRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	958'-0"	845'-0"	899'-0"	899'-0"		
2	878'-0"	878'-0"	899'-0"	877'-0"	704'-0"	878'-0"
3	848'-0"	903'-0"	878'-0"	749'-0"	718'-1"	844'-0"
4	778'-0"	718'-0"	791'-0"		778'-11 1/4"	714'-0"
5	792'-0"	749'-1"			752'-2 1/4"	728'-0"
6	714'-0"	779'-1"			778'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	792'-0"
16		799'-1"				808'-0"

M-242	E-162641
GBB-219-2 (REV. 5)	
M-215H(RHR) SHT. 1	E-105951
M-34-2	E-106184 SH. 2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

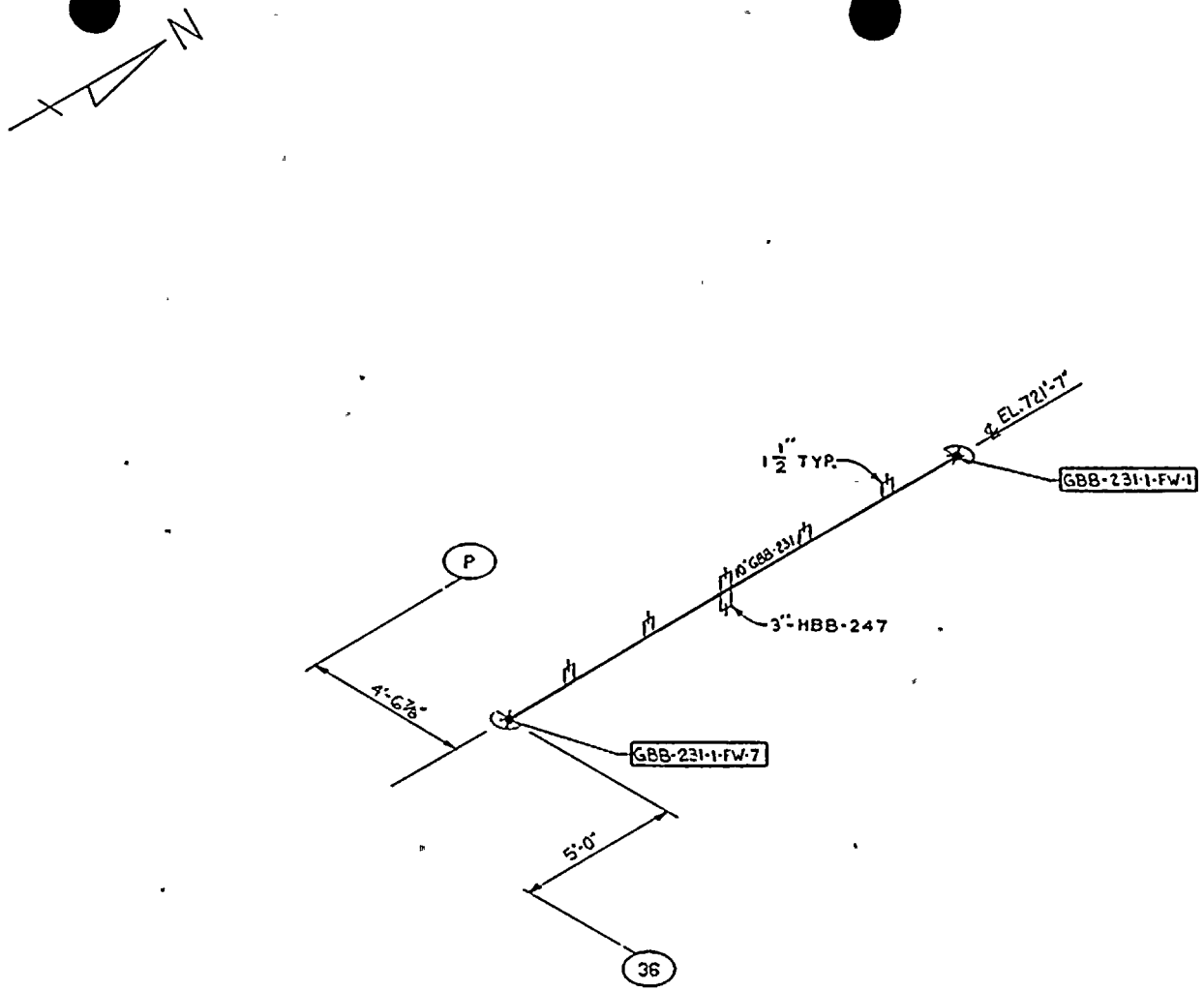
INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-219-2

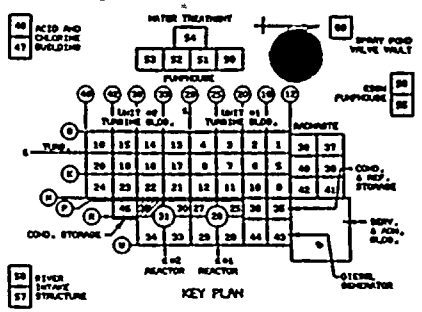
AREA 34 | ELEV. 670'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201540 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-219-2





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	656'-0"	645'-0"	645'-0"	649'-0"		
2	676'-0"	676'-0"	668'-0"	677'-0"	704'-0"	676'-0"
3	699'-0"	693'-0"	679'-0"	718'-0"	718'-1"	694'-0"
4	720'-0"	718'-0"	691'-0"		720'-11 1/2"	714'-0"
5	732'-0"	749'-1"			732'-2 1/2"	728'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					781'-1"	771'-0"
14					858'-0"	783'-0"
18		799'-1"				838'-0"

GBB-231-1 (REV.1)	
M-2139 (MSIV)	E-162773
M-32-4	E-106182 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-GBB-231-1

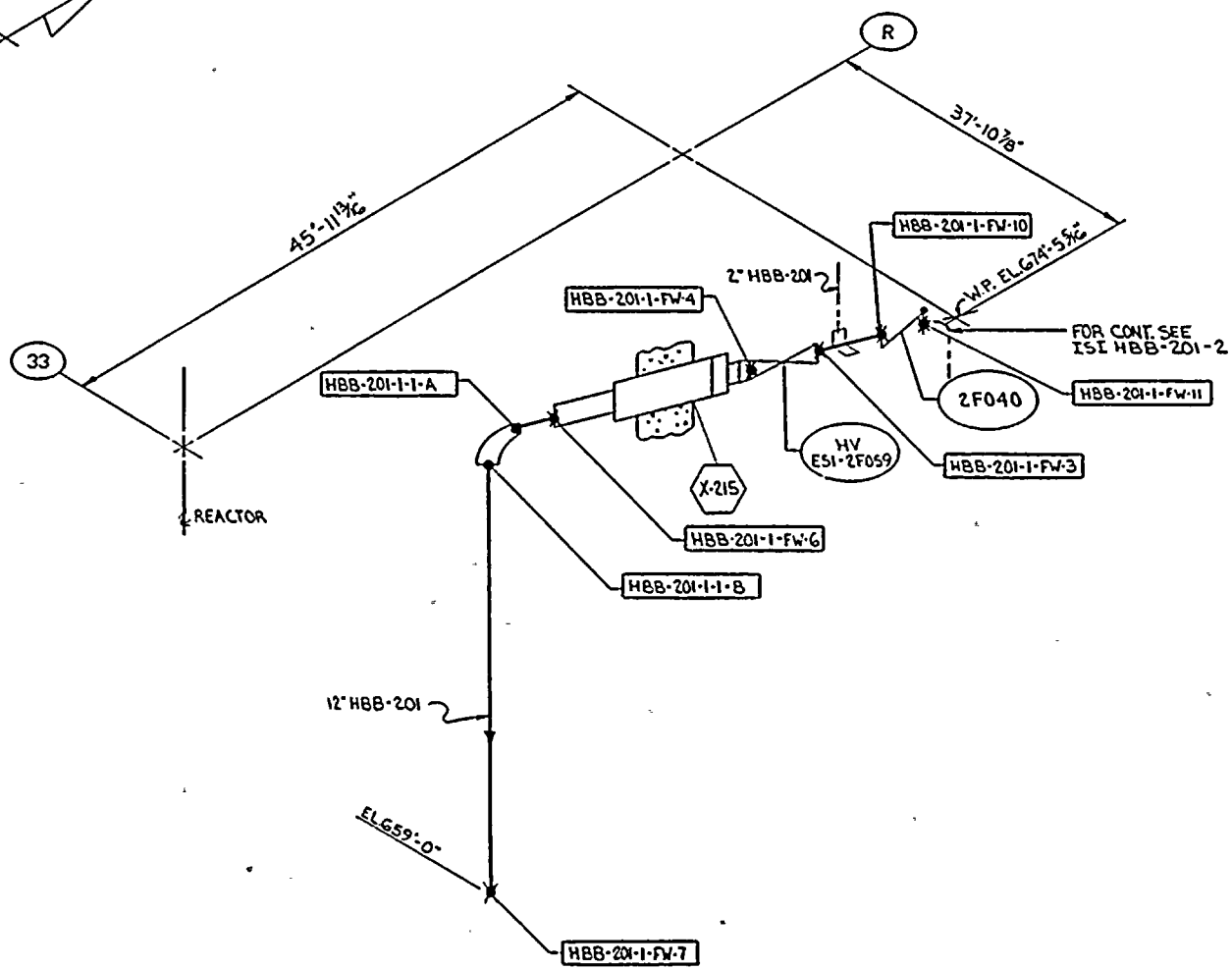
AREA 32 | ELEV. 719'-0" | SCALE- NONE

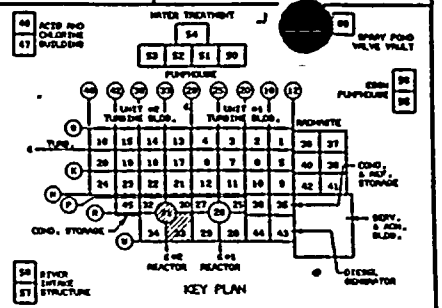
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201541 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-231-1

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	958'-9"	935'-9"	949'-9"	999'-9"		
2	879'-9"	879'-9"	899'-9"	877'-9"	794'-9"	879'-9"
3	899'-9"	893'-9"	879'-9"	718'-9"	719'-1"	899'-9"
4	723'-9"	718'-9"	891'-9"		739'-11 1/4"	714'-9"
5	752'-9"	749'-1"			752'-11 1/4"	739'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					808'-9"	793'-9"
19		798'-1"				808'-9"

M-2149 (RCIC)	E-105949
M-33-2 .	E-106183 SH.2
HBB-201-1 (REV.3)	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

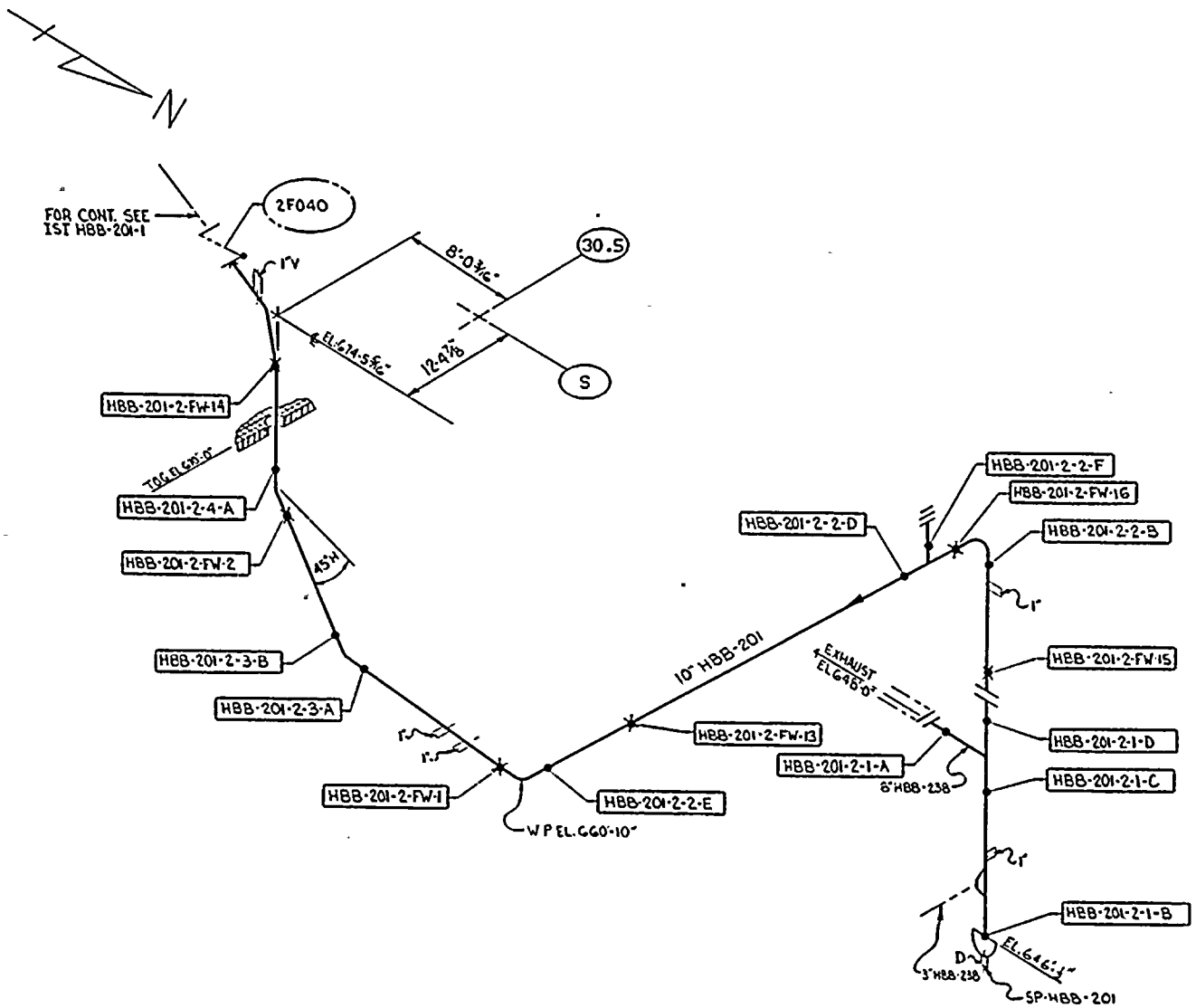
ISI-HBB-201-1

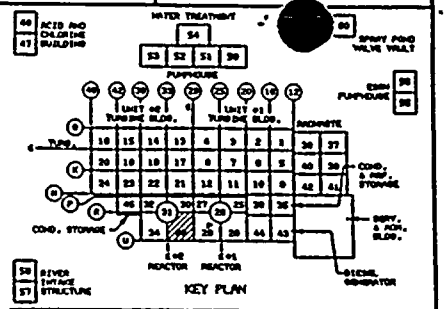
AREA 31,33 | ELEV. 670'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201542	1	0

AE DRAWING NO. ISI-HBB-201-1





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORITE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	959'-9"	945'-9"	949'-9"	999'-9"		
2	879'-9"	879'-9"	899'-9"	877'-9"	791'-9"	879'-9"
3	999'-9"	997'-9"	879'-9"	713'-9"	719'-1"	899'-9"
4	779'-9"	719'-9"	891'-9"		779'-11 1/2"	719'-9"
5	793'-9"	749'-1"			753'-3 1/2"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				794'-9"
12					791'-1"	771'-9"
16					899'-9"	793'-9"
19		799'-1"				899'-9"

HBB-201-2 (REV 4)	
M-2150 (RC1C)	E-105950
M-33-1	E-106183 SH.1
M-33-2	E-106183 SH.2
M-33-13	E-106183 SH.13
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBB-201-2

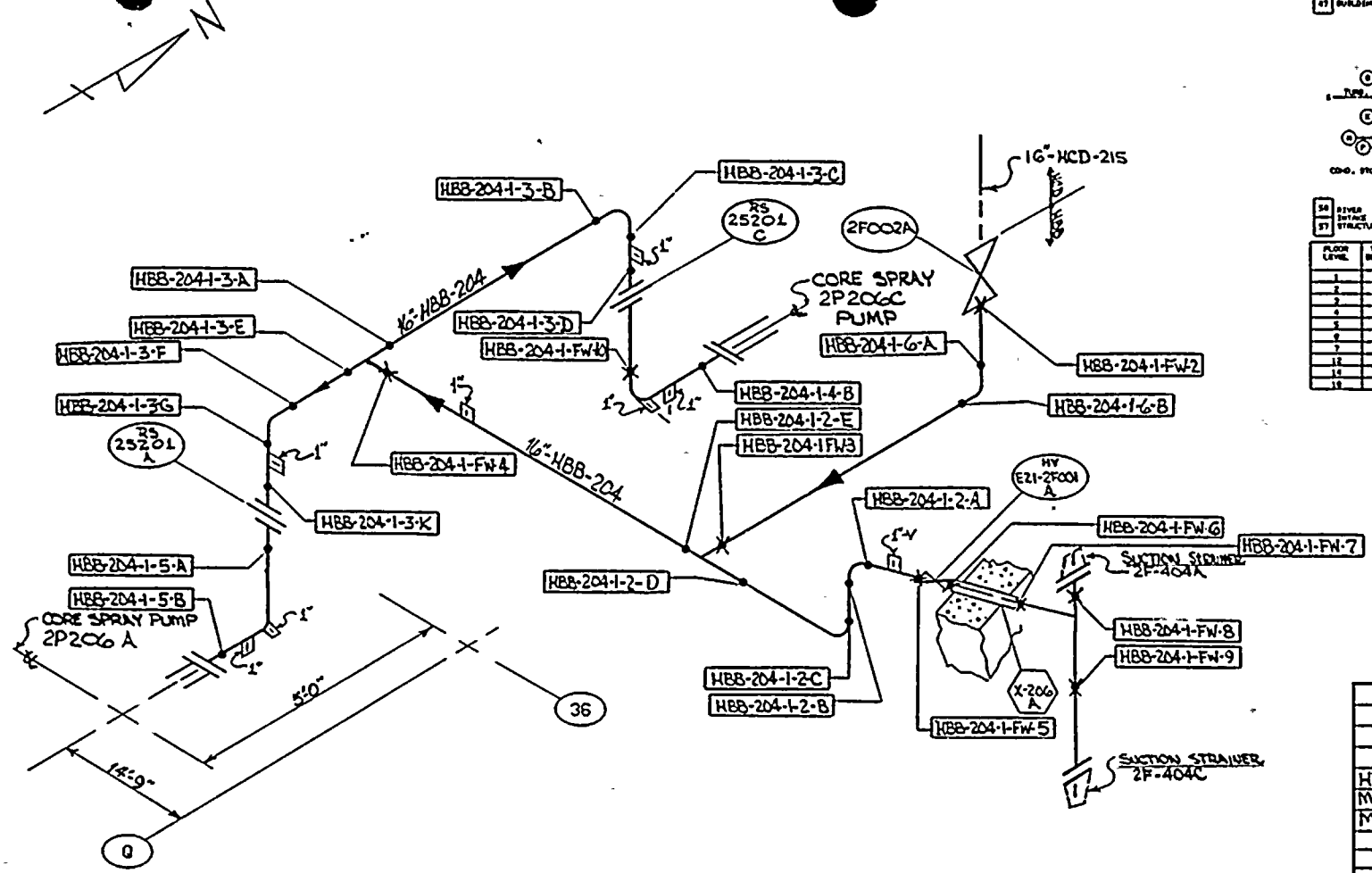
AREA 33	ELEV. 645'-0"	SCALE- NONE

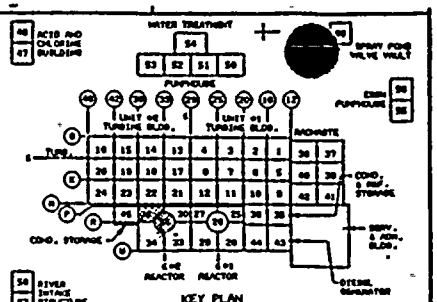
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201543	1	0

AE DRAWING NO. ISI-HBB-201-2

FRACTIONAL DECIMAL G 2 Z 2 0 LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MONITOR BLDG. EL.	DIESEL GENERATOR EL.	SPHERICAL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-9"	999'-9"	999'-9"	999'-9"		
2	679'-9"	679'-9"	999'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	733'-9"	713'-9"	693'-9"		729'-11 1/2"	713'-9"
5	752'-9"	749'-1"			752'-11 1/2"	733'-9"
6	773'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
15					999'-9"	793'-9"
19		799'-1"				999'-9"

HBB-204-1 (REV. 6)	
M-2152 (CORE-SPRAY)	E-105952
M-32-1	E-106182 SHT. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBB-204-1

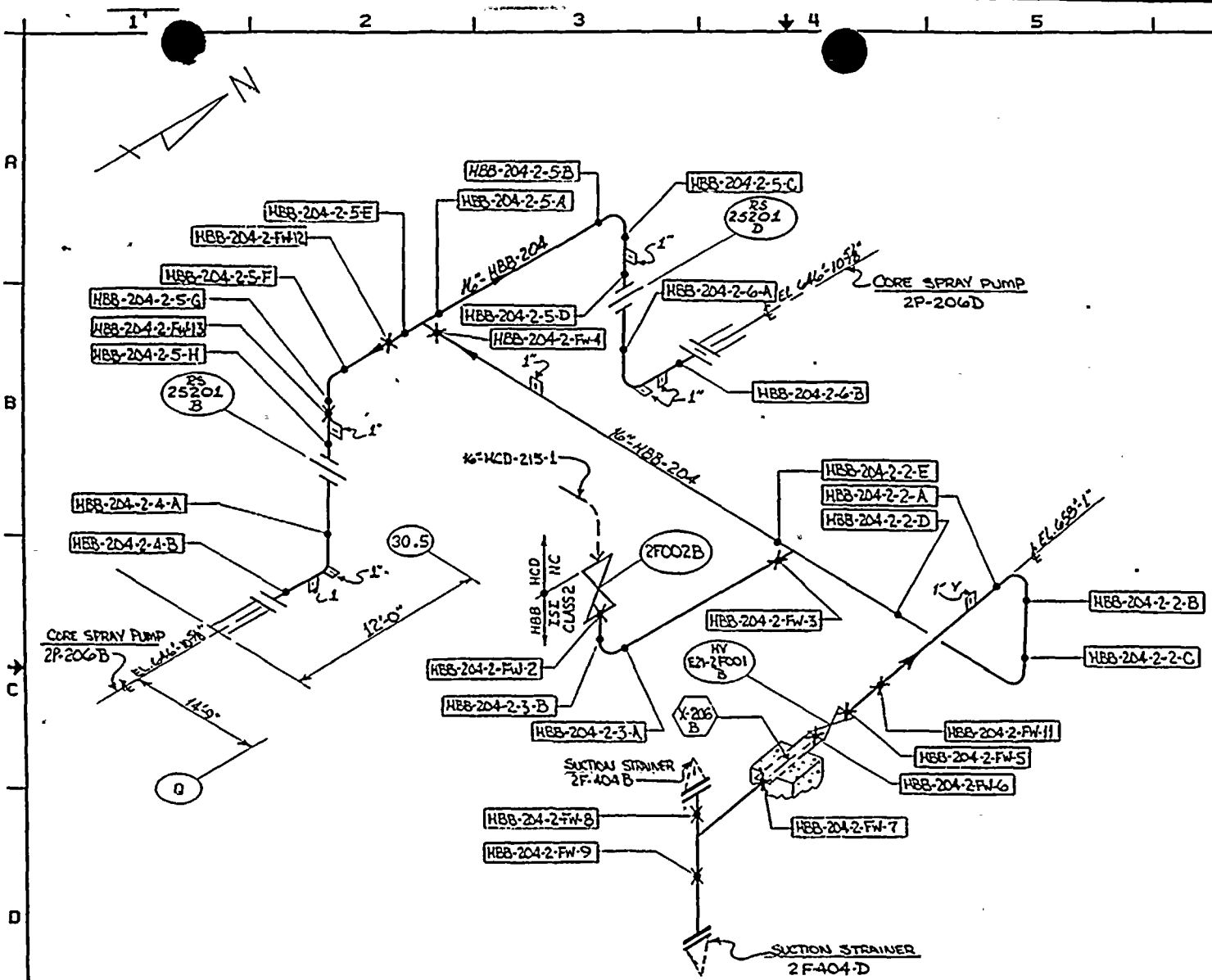
AREA-32 | ELEV.-CA5'-0 | SCALE- NONE

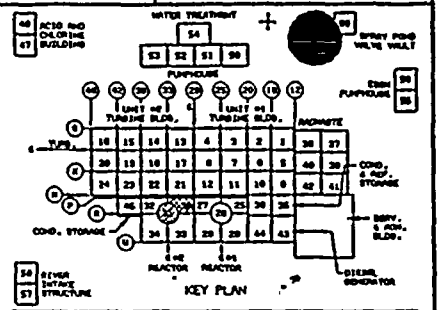
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201544	1	0

AE DRAWING NO.
ISI-HBB-204-1

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	574'-9"	545'-9"	545'-9"	550'-9"		
2	574'-9"	574'-9"	595'-9"	577'-9"	594'-9"	574'-9"
3	595'-9"	593'-9"	679'-9"	719'-9"	719'-1"	595'-9"
4	773'-9"	715'-9"	691'-9"		770'-11 1/2"	715'-9"
5	782'-9"	749'-1"			752'-2 1/2"	773'-9"
6	714'-9"	773'-1"			773'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					829'-9"	793'-9"
19		799'-1"				819'-9"

HBB-204-2 (Rev. 6)	
M-2152 (CORE SPRAY)	E-105952
M-30-1	E-106180 SHT. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBB-204-2

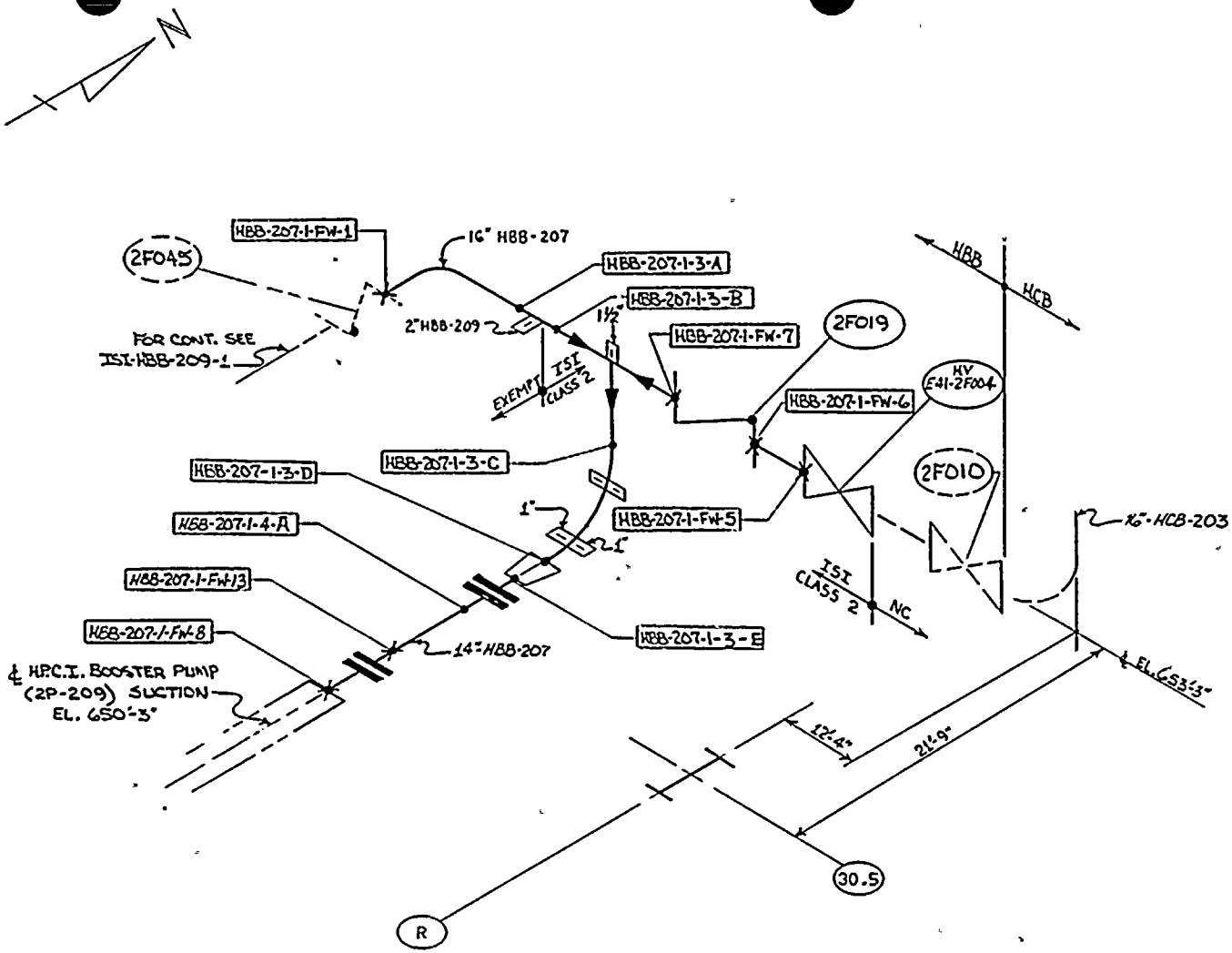
AREA-30 | ELEV: 645'-0 | SCALE- NONE

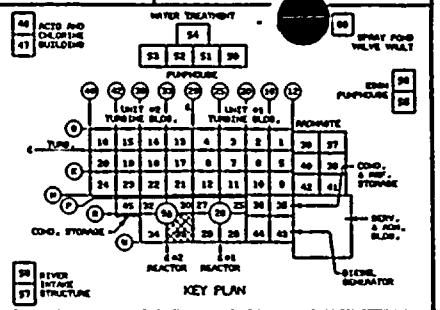
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201545	1	0

AE DRAWING NO.
ISI-HBB-204-2

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	554'-9"	595'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	674'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	733'-9"	719'-9"	693'-9"		739'-11½"	719'-9"
5	752'-9"	749'-1"			752'-2½"	733'-9"
6	714'-9"	779'-1"			779'-1"	749'-9"
7		819'-1"				754'-9"
12					783'-1"	771'-9"
15					809'-9"	783'-9"
19		779'-1"				809'-9"

HBB-207-1 (Rev. 2)	
M-2155 (H.P.C.I.)	E-105955
M-2156 (HPCI & TURBINE Rm)	E-105956
M-33-1	E-106183 SHT. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE		HD		

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

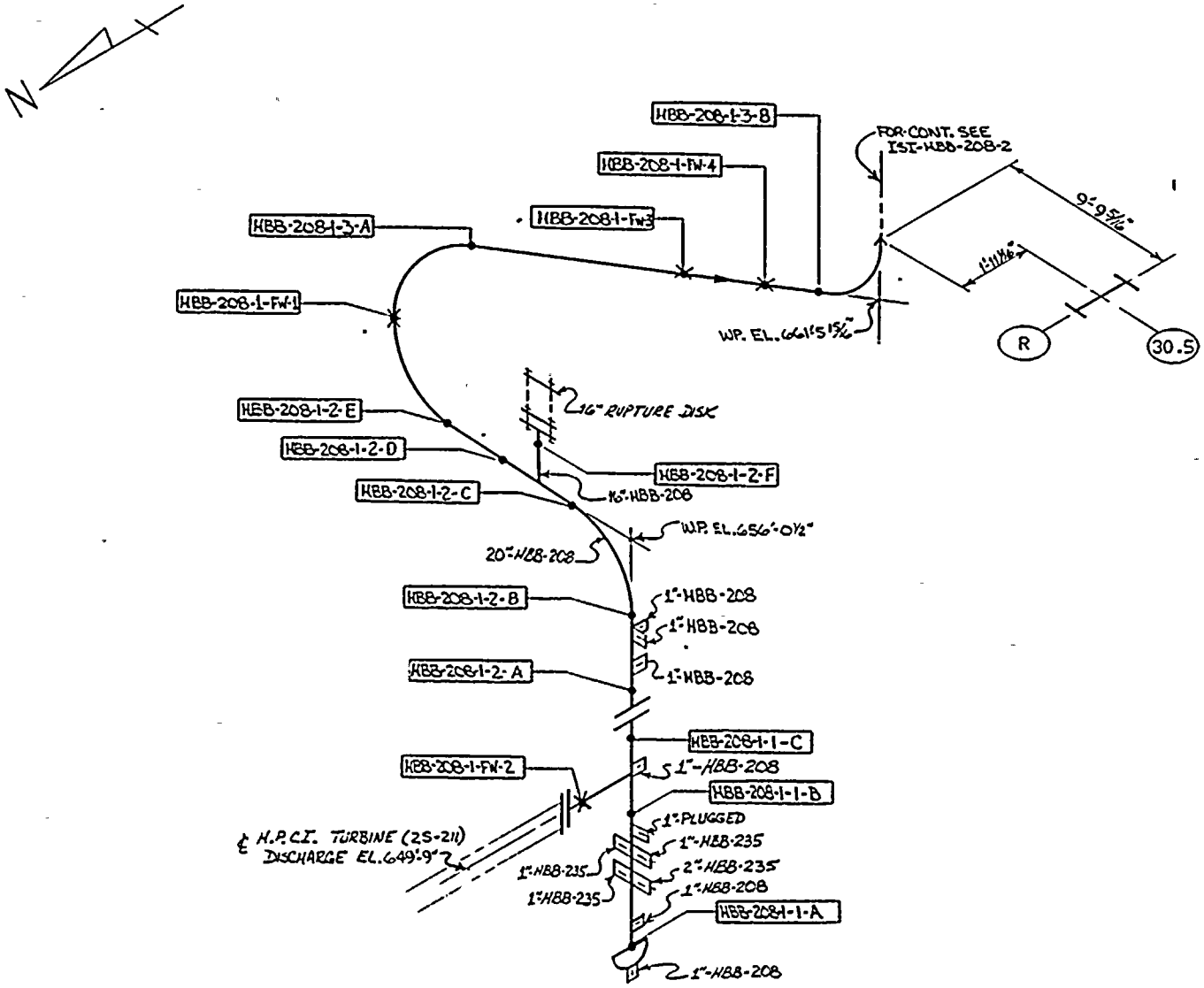
ISI-HBB-207-1

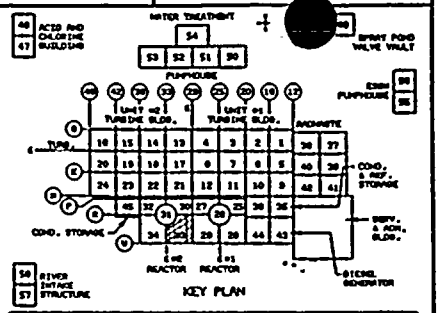
AREA - 33 | ELEV. - 645'-0" | SCALE - NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201546 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-207-1





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	645'-0"	644'-0"	660'-0"		
2	676'-0"	670'-0"	669'-0"	677'-0"	704'-0"	676'-0"
3	690'-0"	697'-0"	676'-0"	710'-0"	719'-1"	698'-0"
4	721'-0"	719'-0"	691'-0"		729'-11 1/16"	719'-0"
5	732'-0"	740'-1"			732'-2 1/16"	732'-0"
6	745'-0"	770'-1"			770'-1"	741'-0"
7		810'-1"				754'-0"
12					781'-1"	771'-0"
14					808'-0"	793'-0"
19		798'-1"				808'-0"

HBB-208-1 (Rev. 4)	
M-2155 (H.P.C.I.)	E-105955
M-2156 (HPCI Turbine Pump)	E-105956
M-33-1	E-106183
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RC	FJ	WL	7/16/79

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

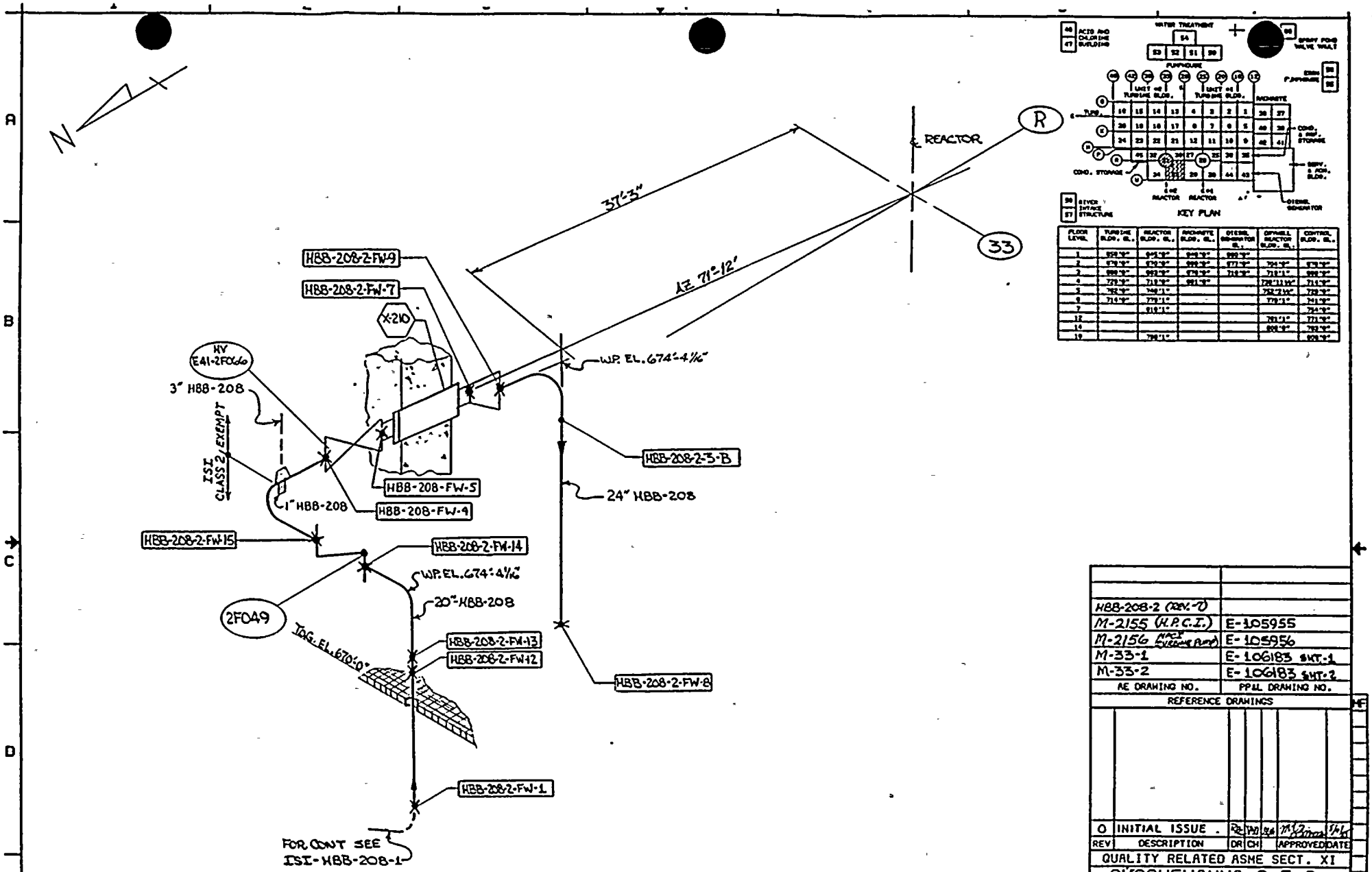
INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBB-208-1

AREA-33 | ELEV: 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201547	1	0

AE DRAWING NO. ISI-HBB-208-1



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORITE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	659'-9"	645'-9"	649'-9"	688'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	724'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	718'-9"	718'-1"	699'-9"
4	779'-9"	719'-9"	691'-9"		739'-11 1/2"	719'-9"
5	792'-9"	749'-1"			752'-7 1/2"	739'-9"
6	719'-9"	779'-1"			779'-1"	749'-9"
7		819'-1"				759'-9"
12					781'-1"	779'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HBB-208-2 (REV.-0)	
M-2155 (H.P.C.I.)	E-105955
M-2156 (HPCI SYSTEM PIPING)	E-105956
M-33-1	E-106183 SHT.-1
M-33-2	E-106183 SHT.-2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE .	RR	MD	5/6	M.D. Pierce	5/6/81

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBB-208-2

AREA-33 | ELEV.-645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

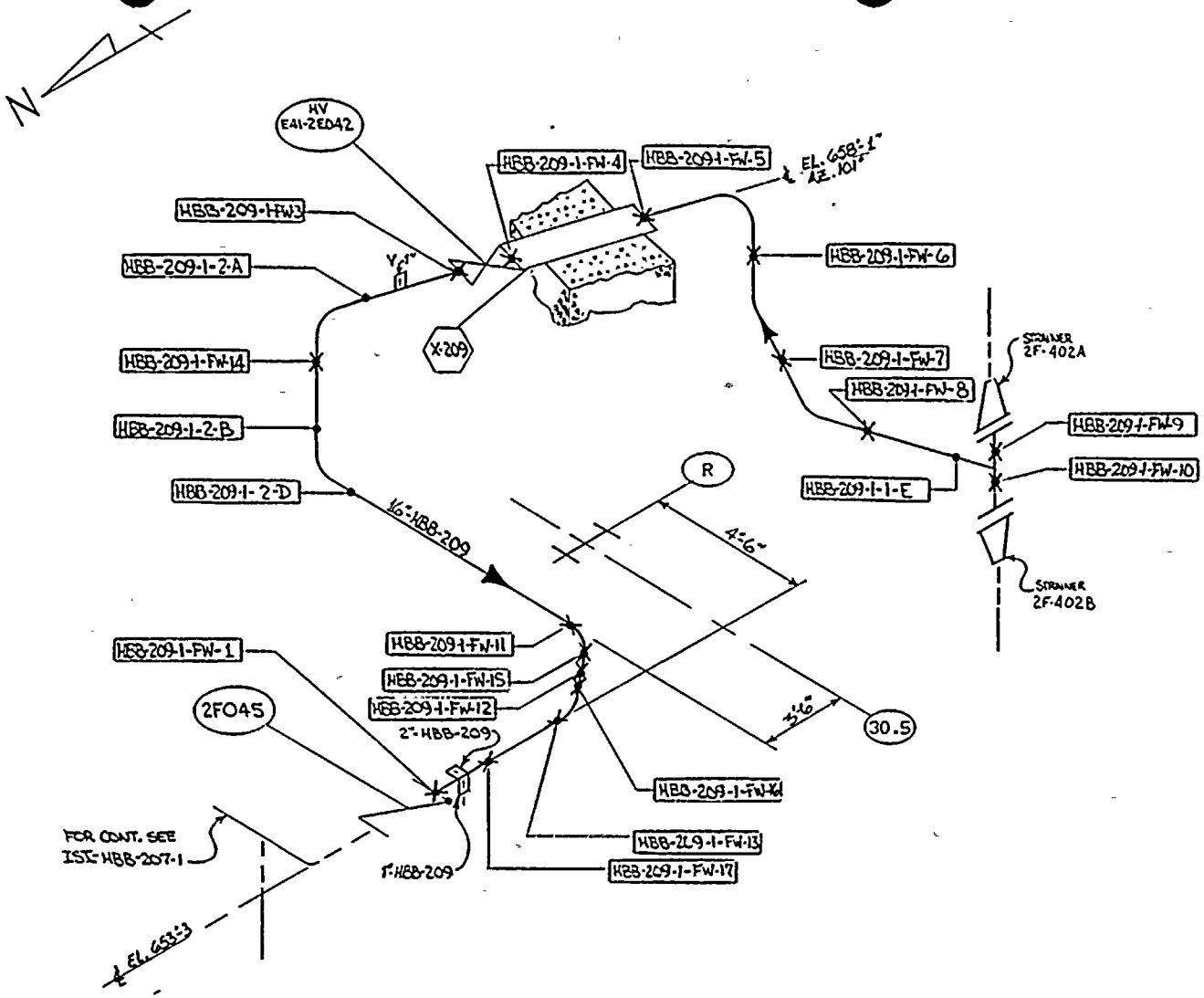
PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201548	1	0

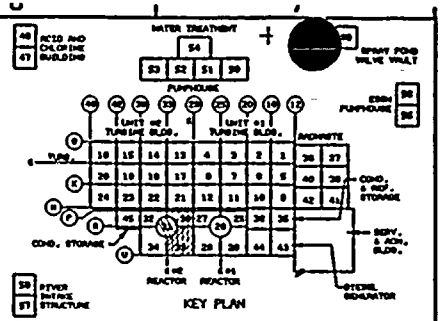
AE DRAWING NO. ISI-HBB-208-2

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 2 2 0 | G | G | G | G | H

LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	645'-0"	644'-0"	644'-0"		
2	676'-0"	670'-0"	660'-0"	672'-0"	705'-0"	670'-0"
3	699'-0"	691'-0"	676'-0"	718'-0"	719'-1"	698'-0"
4	720'-0"	713'-0"	691'-0"		728'-11¼"	713'-0"
5	742'-0"	749'-1"			752'-7½"	732'-0"
6	764'-0"	770'-1"			770'-1"	751'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	792'-0"
19		799'-1"				808'-0"

HBB-209-1 (REV.-5)	
M-2155 (H.P.C.I.)	E-105955
M-30-1	E-106180 SHT.-1
M-33-1	E-106183 SHT.-1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				5/16/78

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA-S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBB-209-1

AREA-30&33 | ELEV.-645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

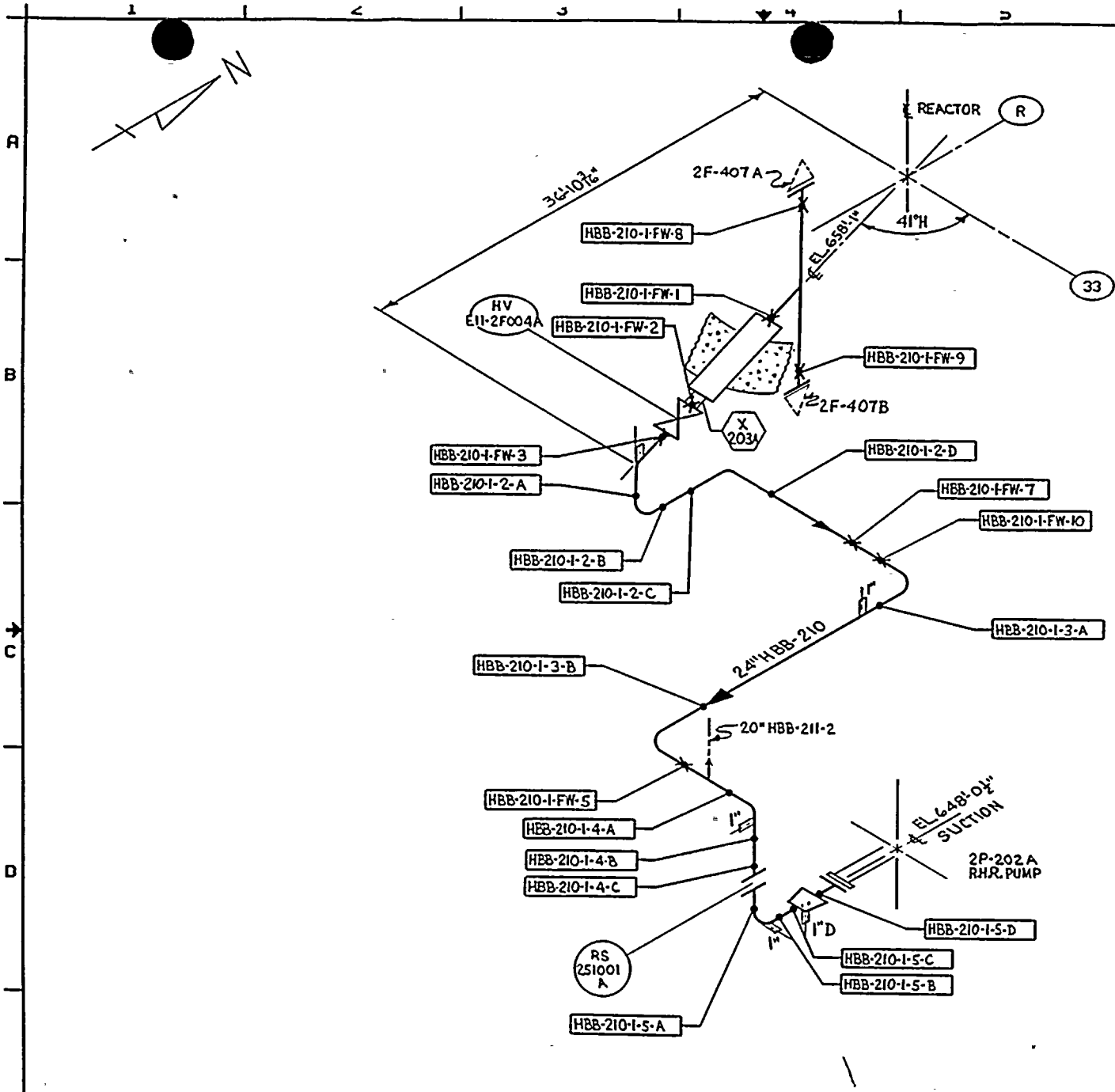
PP&L DRAWING NO. C-201549 | SHEET NO. 1 | REV. NO. 0

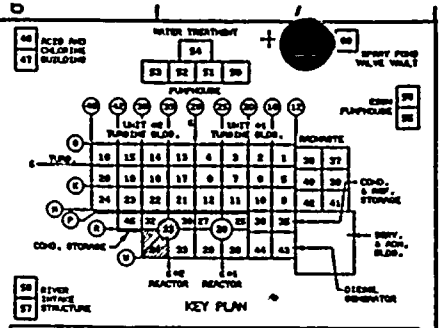
AE DRAWING NO. ISI-HBB-209-1

FRACTIONAL DECIMAL

G 2 2 2 0 G G G G M

LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	595'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	599'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	697'-9"	679'-9"	719'-9"	718'-1"	699'-9"
4	719'-9"	713'-9"	691'-9"		729'-11 1/2"	714'-9"
5	739'-9"	749'-1"			739'-2 1/2"	729'-9"
6	754'-9"	779'-1"			779'-1"	749'-9"
7		814'-1"				754'-9"
12					791'-1"	774'-9"
14					809'-9"	789'-9"
19		799'-1"				809'-9"

M-2151 SH.1 (R.H.R.)	E-105951-1
M-34-1	E-106184 SH.1
HBB-210-1 (REV.6)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT-2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBB-210-1

AREA 34	ELEV. 645'-0"	SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

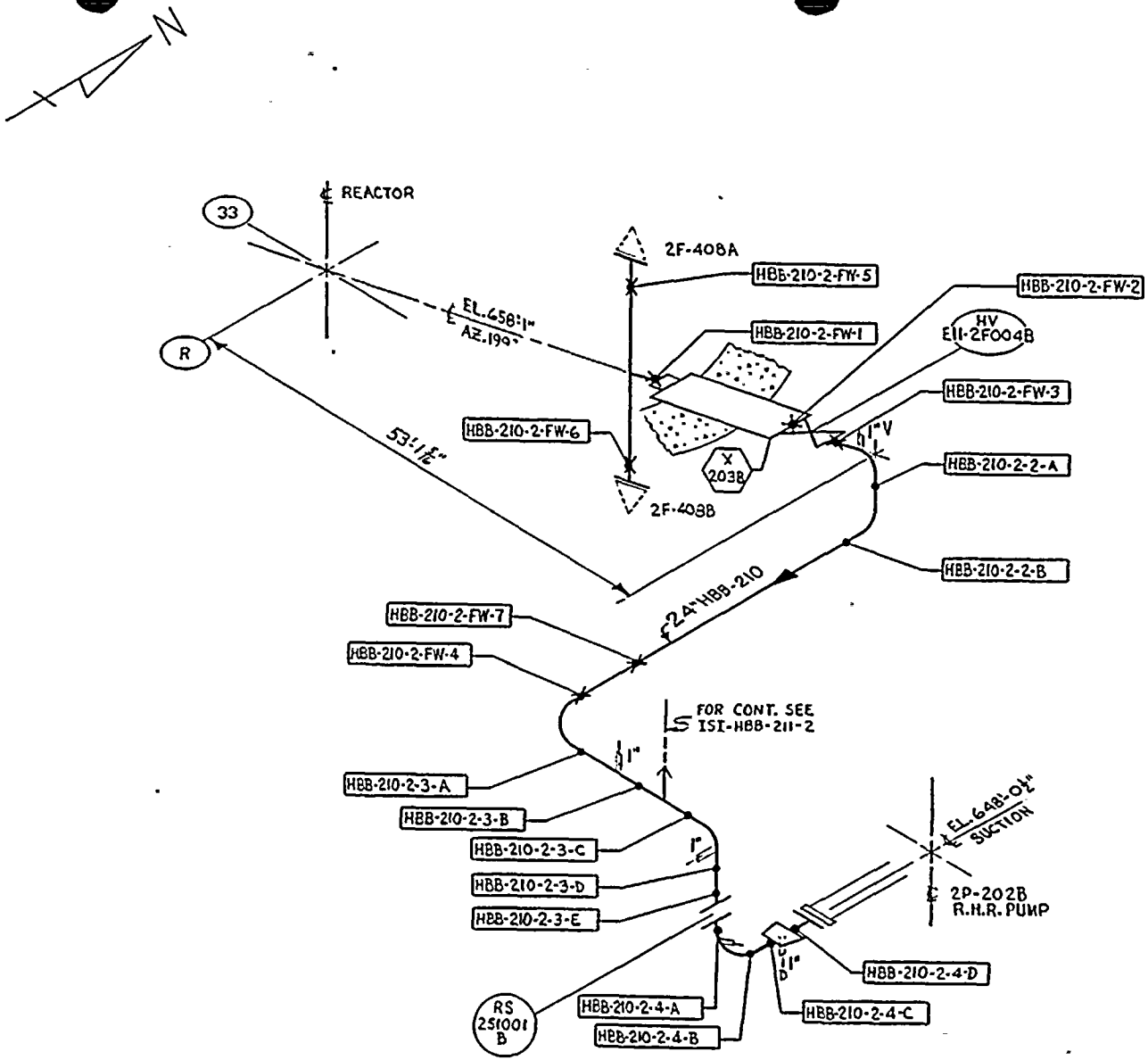
PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201550	1	0

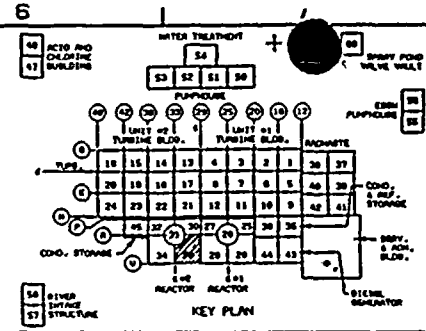
AE DRAWING NO.
ISI-HBB-210-1

FRACTIONAL DECIMAL

G 2 2 2 0 G G G G H

LOCATION CODES SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	645'-0"	648'-0"	660'-0"		
2	676'-0"	679'-0"	690'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	692'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	722'-0"	719'-0"	701'-0"		728'-11½"	719'-0"
5	742'-0"	749'-1"			752'-2½"	722'-0"
6	716'-0"	779'-1"			779'-1"	742'-0"
7		810'-1"				754'-0"
12					781'-1"	771'-0"
16					802'-0"	782'-0"
19		799'-1"				802'-0"

M-2151 SH.2 (R.H.R.)	E-105951 SH.2
M-33-1	E-106183 SH.1
HBB-210-2 (REV.5)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBB-210-2

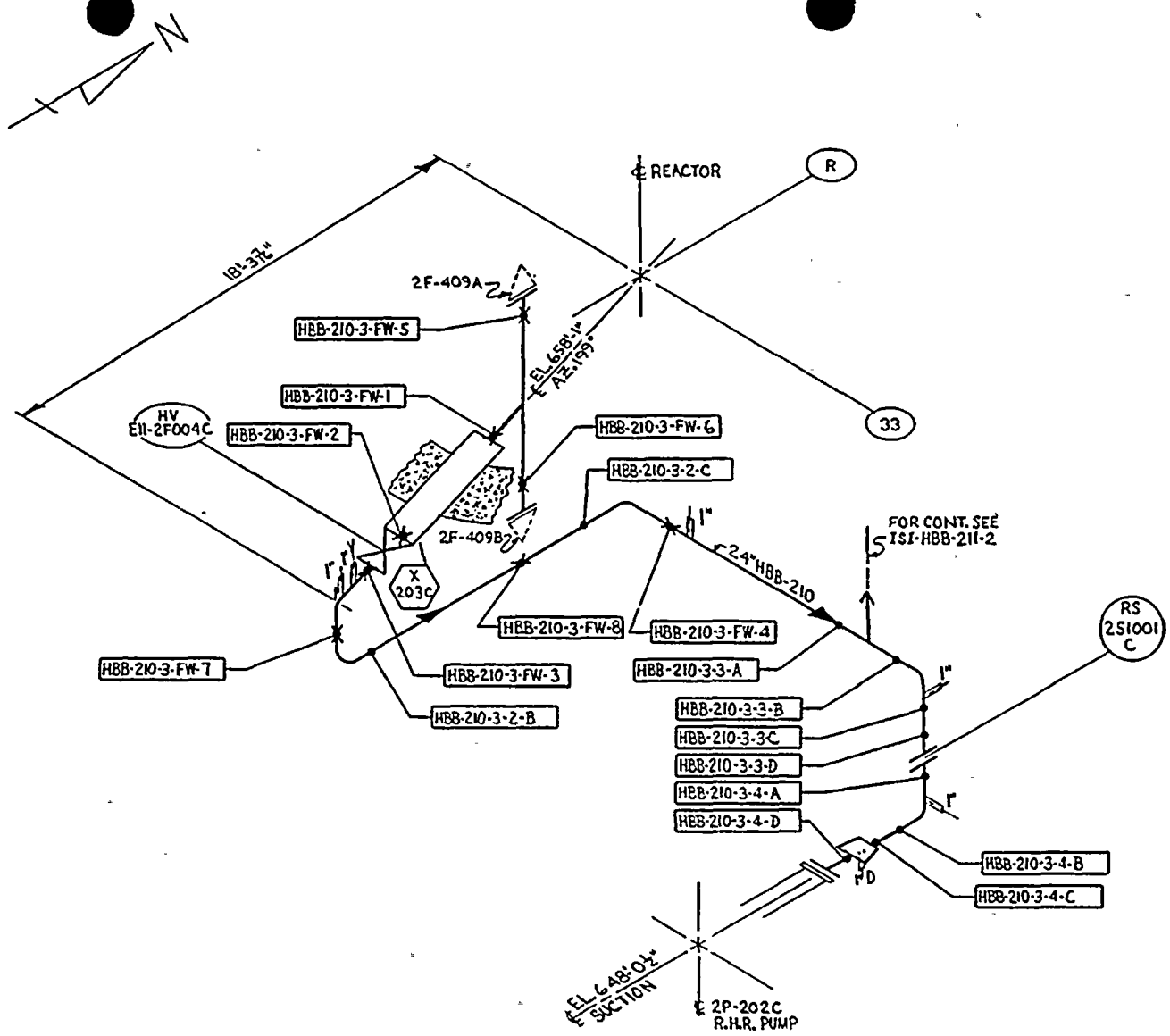
AREA 33 | ELEV. 645'-0" | SCALE- NONE

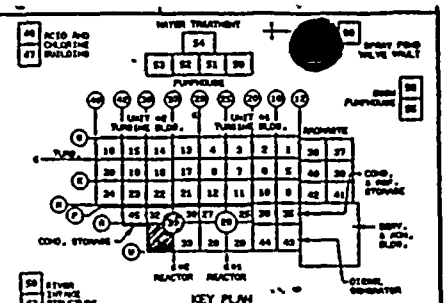
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199535 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-210-2

G 2 Z 2 0 | LOCATION CODES | M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPYHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	599'-0"	599'-0"	599'-0"		
2	676'-0"	676'-0"	599'-0"	677'-0"	704'-0"	676'-0"
3	694'-0"	694'-0"	679'-0"	719'-0"	719'-1"	698'-0"
4	726'-0"	718'-0"	691'-0"		738'-11 1/2"	718'-0"
5	752'-0"	749'-1"			752'-2 1/2"	738'-0"
6	774'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					792'-1"	773'-0"
14					809'-0"	792'-0"
19		799'-1"				809'-0"

M-2151 SH.1 (R.H.R.)	E-105951 SH.2
M-34-1	E-106184 SH.1
HBB-210-3 (REV.5)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBB-210-3

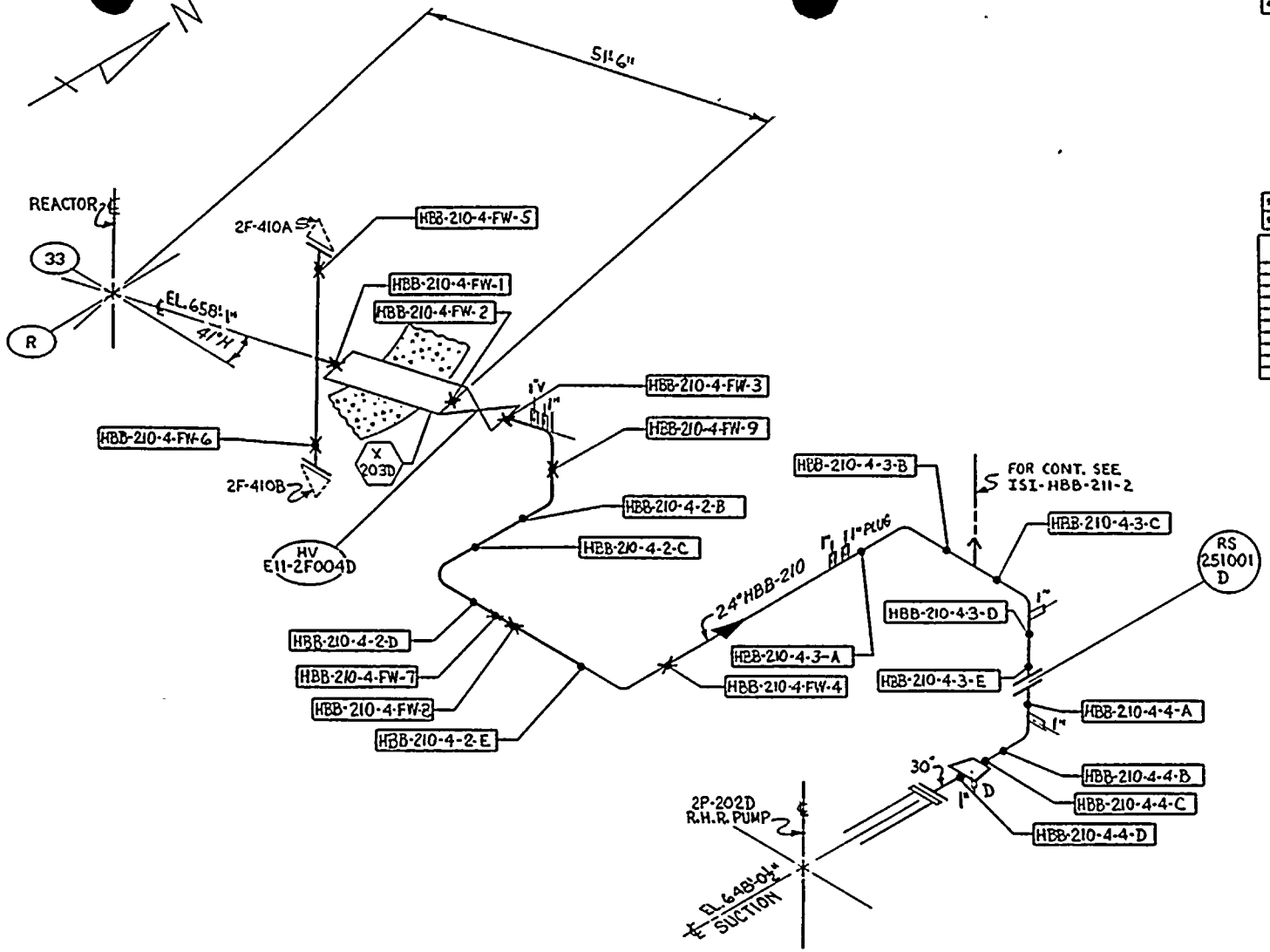
AREA 34 | ELEV. 645'-0" | SCALE- NONE

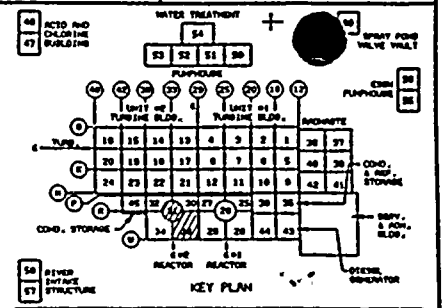
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199536 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-210-3

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	645'-9"	649'-9"	660'-9"		
2	679'-9"	679'-9"	690'-9"	677'-9"	704'-9"	678'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	729'-9"	719'-9"	693'-9"		730'-11½"	719'-9"
5	752'-9"	749'-1"			752'-2½"	729'-9"
6	719'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					808'-9"	792'-9"
18		798'-1"				808'-9"

M-2151 SH.2 (R.H.R.)	E-105951 SH.2
M-33-1	E-106183 SH.1
HBB-210-4 (REV. 6)	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				5/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBB-210-4

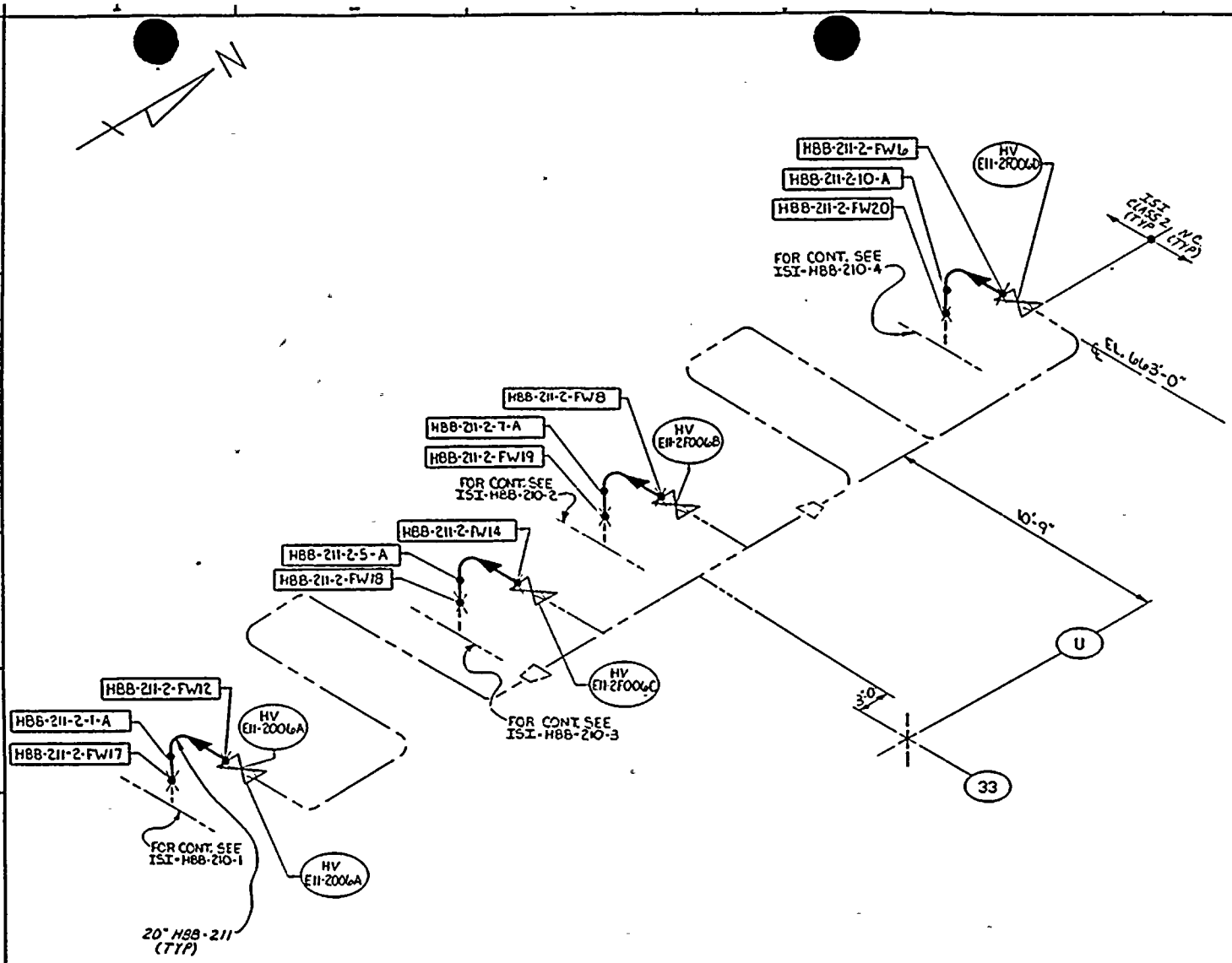
AREA 33 | ELEV. 645'-0" | SCALE- NONE

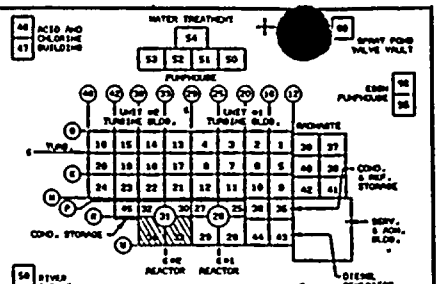
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199537 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-210-4

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	645'-9"	649'-0"	699'-6"		
2	679'-9"	679'-9"	680'-0"	677'-6"	704'-9"	679'-9"
3	699'-9"	692'-9"	679'-9"	718'-0"	718'-1"	699'-9"
4	729'-9"	713'-9"	691'-9"		728'-11 1/4"	713'-9"
5	752'-9"	744'-1"			752'-2 1/2"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					809'-9"	792'-9"
16		799'-1"				809'-9"

M-2151 (RHR)	E 105951 SHT. 1 & 2
M-33-1	E 106183 SHT. 1
M-34-1	E 106184 SHT. 1
HBB-211-2 (REV. 3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-HBB-211-2

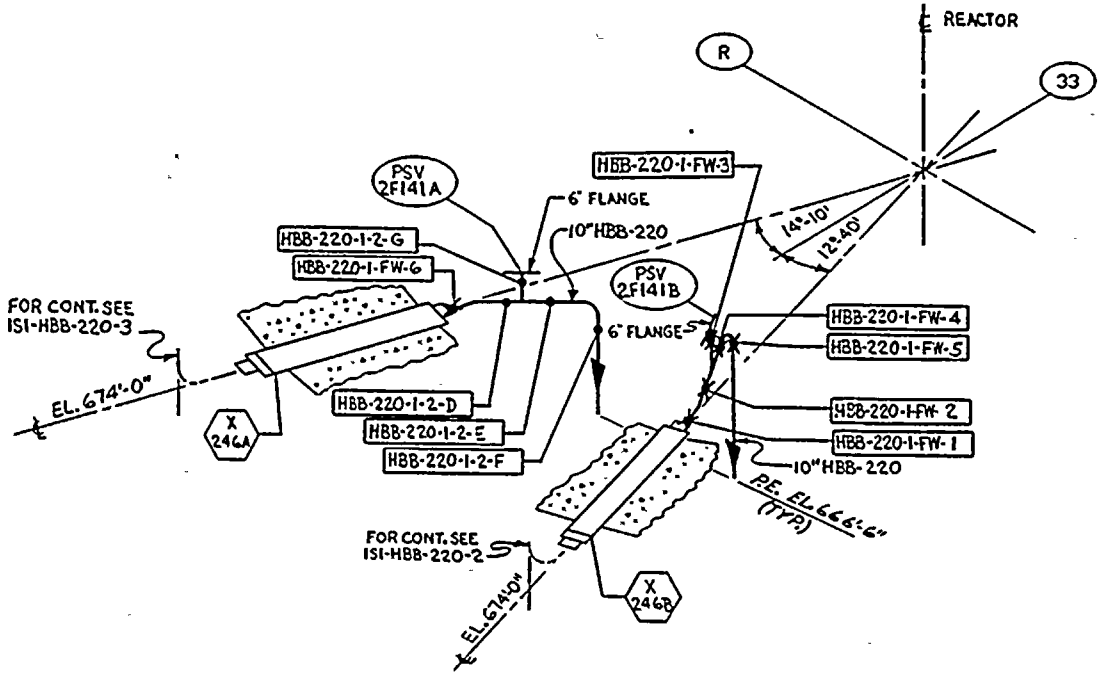
AREA 33,34 | ELEV. 645'-0" | SCALE- NONE

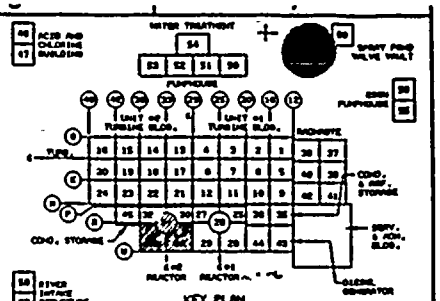
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201431 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-211-2

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	653'-0"	675'-0"	653'-0"	653'-0"		
2	676'-0"	679'-0"	698'-0"	677'-0"	704'-0"	676'-0"
3	698'-0"	693'-0"	676'-0"	719'-0"	713'-1"	698'-0"
4	722'-0"	719'-0"	691'-0"		736'-11½"	714'-0"
5	752'-0"	749'-1"			752'-2½"	722'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		816'-1"				754'-0"
12					781'-1"	771'-0"
14					698'-0"	793'-0"
19		798'-1"				803'-0"

M-215I (R.H.R.)	E-105951
M-33-2	E-106183 SH. 2
M-34-2	E-106184 SH. 2
HBB-220-1 (REV. 3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBB-220-1

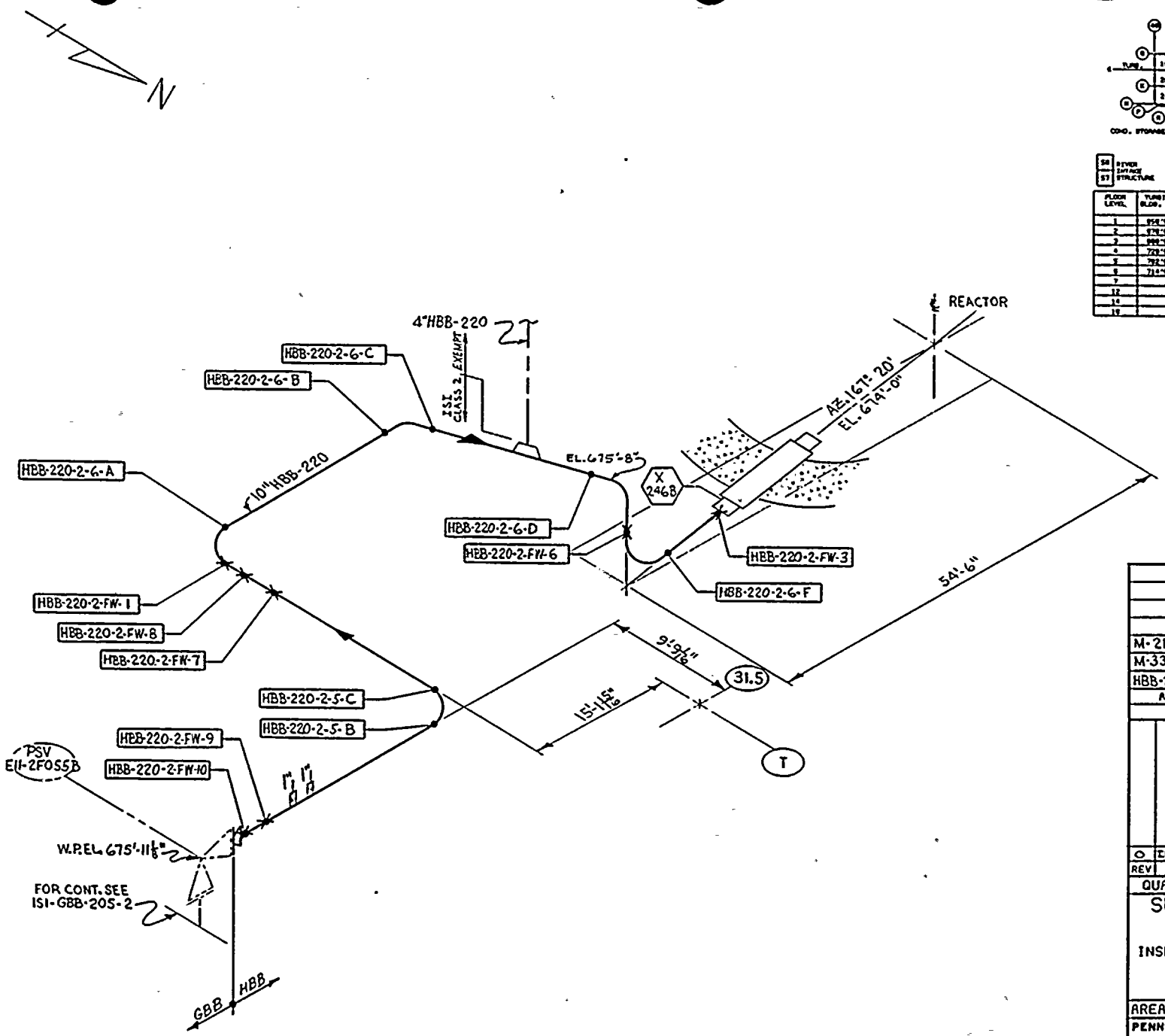
AREA 31 | ELEV. 660'-0" | SCALE- NONE

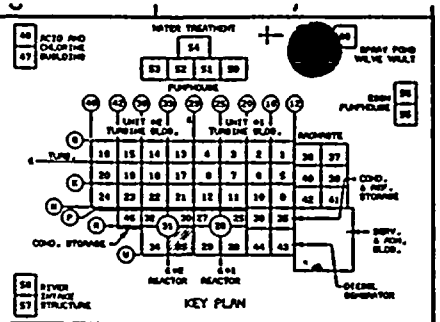
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199539 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-220-1

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	645'-9"	649'-9"	692'-9"		
2	679'-9"	679'-9"	695'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	692'-9"	674'-9"	719'-9"	719'-1"	699'-9"
4	720'-9"	713'-9"	691'-9"		728'-11 1/4"	714'-9"
5	734'-9"	744'-1"			734'-7 1/4"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	793'-9"
19		799'-1"				809'-9"

M-2151 SH.2(R.H.R)	E-105951 SH.2
M-33-2	E-106183 SH.2
HBB-220-2 (REV.2)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

WELD IDENTIFICATION

ISI-HBB-220-2

AREA 33 | ELEV. 670'-0" | SCALE- NONE

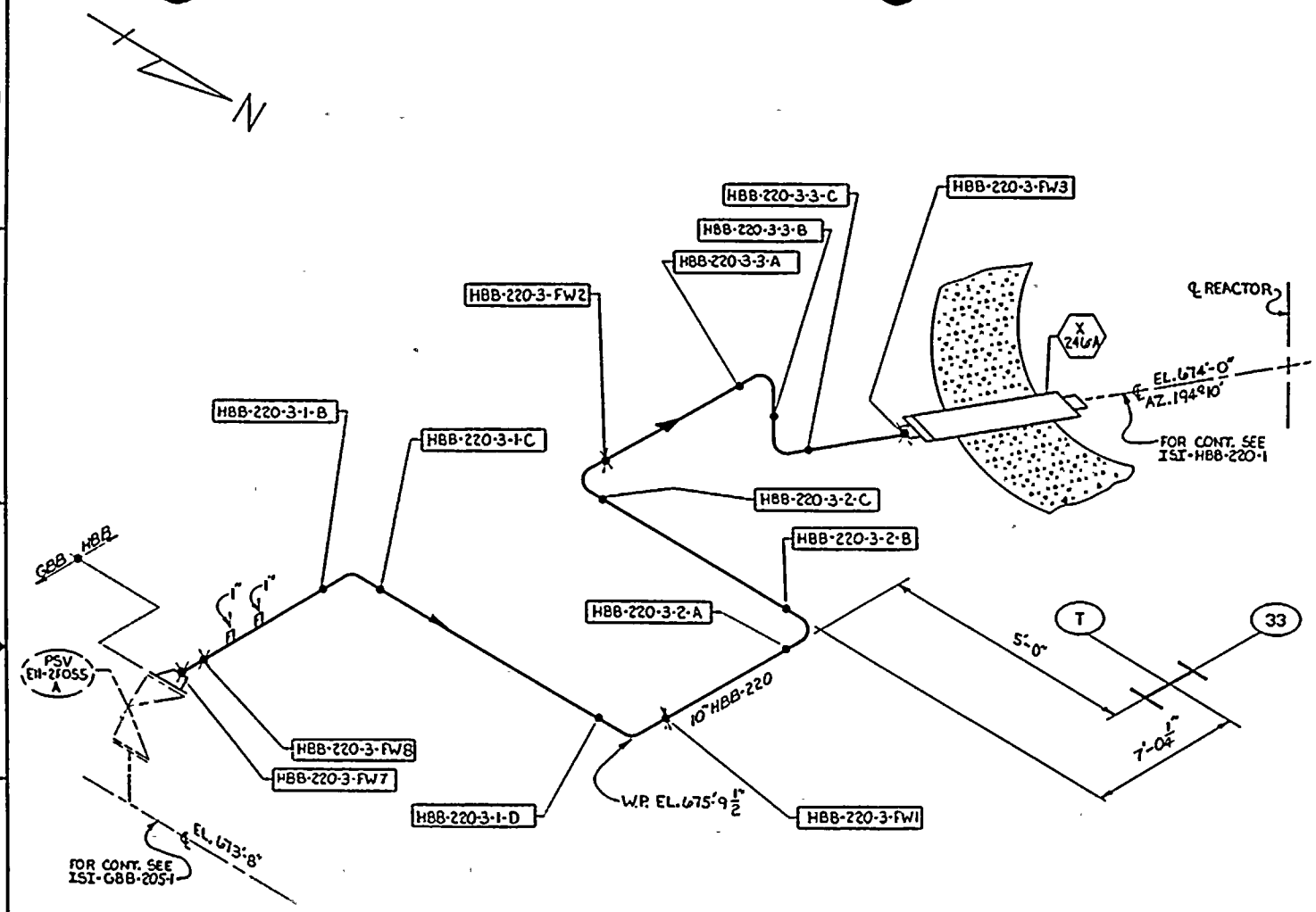
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

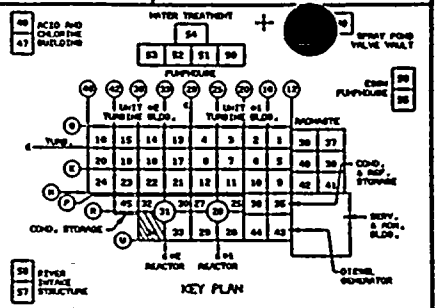
PP&L DRAWING NO. C-199540 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-220-2

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 2 2 0 | G | G LOCATION CODES | G | G | M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPRAYFILL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	659'-0"	645'-0"	649'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	697'-0"	719'-0"	719'-0"	719'-1"	699'-0"
4	723'-0"	718'-0"	741'-0"		728'-11 1/4"	714'-0"
5	742'-0"	749'-1"			732'-2 1/4"	722'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					859'-0"	792'-0"
19		799'-1"				859'-0"

M-2151 (R.H.R.)	E 105951 SHT. 1
M-34-2	E 106184 SHT. 2
HBB-220-3 (REV. 2)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	MAF	PD		7-15-02

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION ISI-HBB-220-3

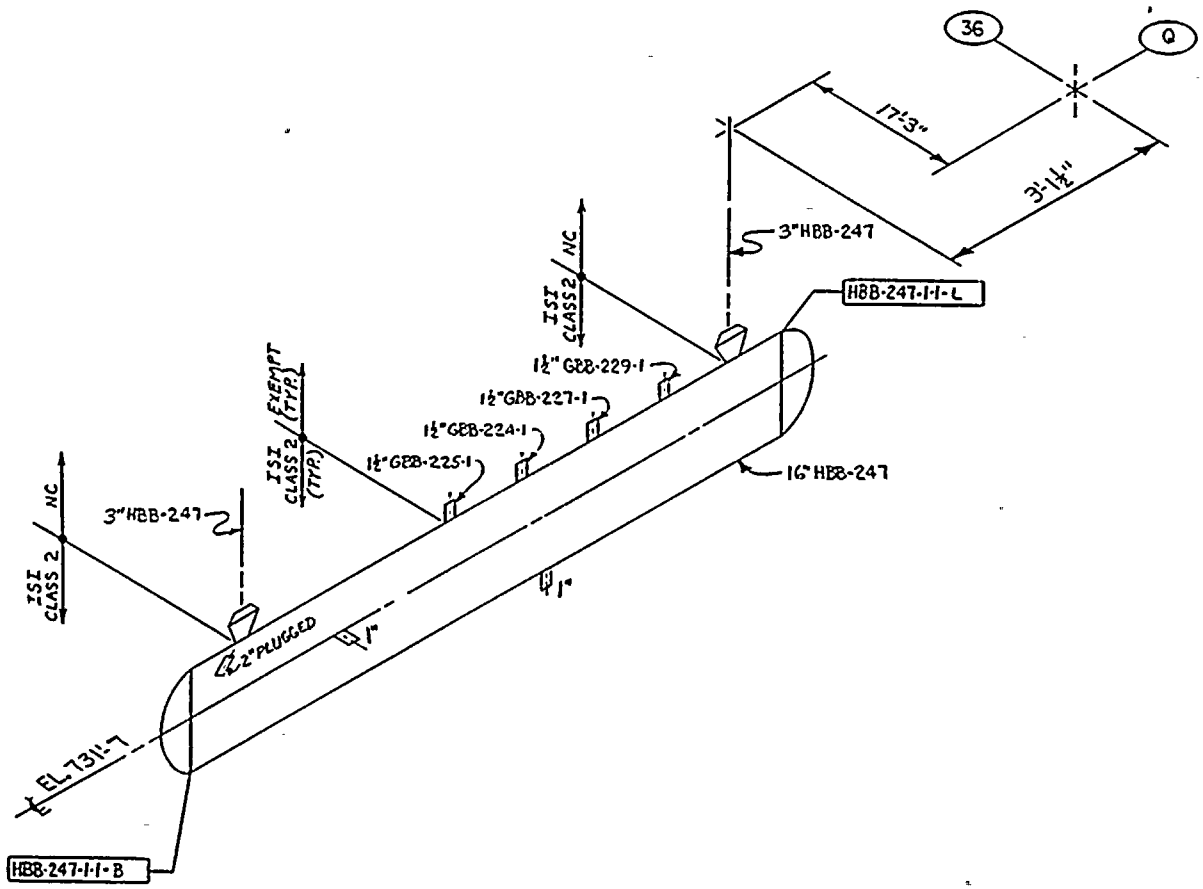
AREA 34 | ELEV. 670'-0" | SCALE- NONE

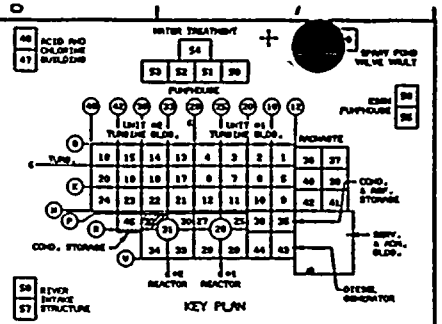
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201480 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-220-3

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	659'-9"	693'-9"	649'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	693'-9"
4	723'-9"	718'-9"	693'-9"		738'-11½"	719'-9"
5	752'-9"	749'-1"			752'-2½"	729'-9"
6	719'-9"	779'-1"			779'-1"	749'-9"
7		810'-1"				754'-9"
12					781'-1"	771'-9"
15					809'-9"	793'-9"
19		799'-1"				809'-9"

M-2139 (M.S.I.V.)	E-162773
M-32-4	E-106182 SH.4
HBB-247-1 (REV.3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBB-247-1

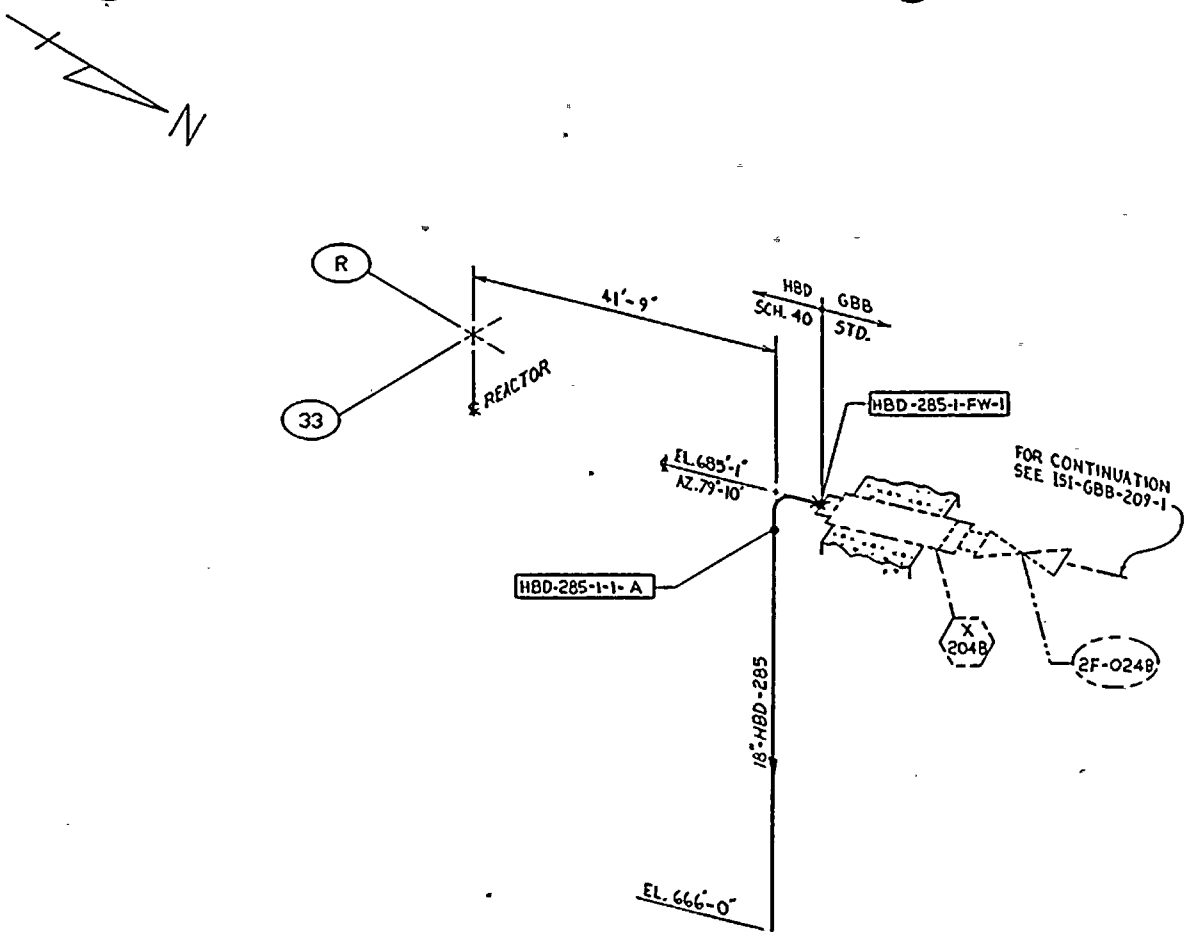
AREA 32 | ELEV. 719'-0" | SCALE- NONE

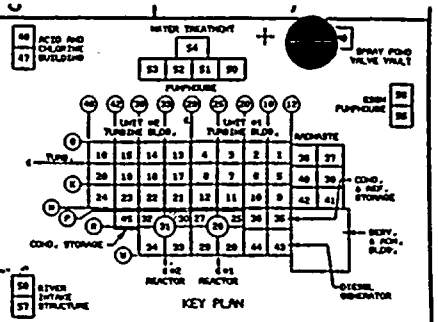
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199541 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-247-1

FRACTIONAL DECIMAL G 2 2 2 0 LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPRAYHILL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	658'-0"	645'-0"	646'-0"	660'-0"		
2	679'-0"	679'-0"	680'-0"	677'-0"	704'-0"	676'-0"
3	698'-0"	697'-0"	679'-0"	712'-0"	719'-1"	698'-0"
4	720'-0"	719'-0"	691'-0"		728'-11 1/2"	719'-0"
5	742'-0"	740'-1"			752'-7 1/2"	722'-0"
6	714'-0"	772'-1"			778'-1"	741'-0"
7		918'-1"				754'-0"
12					793'-1"	771'-0"
14					808'-0"	793'-0"
18		798'-1"				808'-0"

M-2151 SH.2 (R.H.R.)	E-105951 SH.2
M-30-2	E-106180 SH.2
M-30-3	E-106180 SH.3
HBD-285-1 (REV.2)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	UMTD	NA	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBD-285-1

AREA 30 | ELEV. 666'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

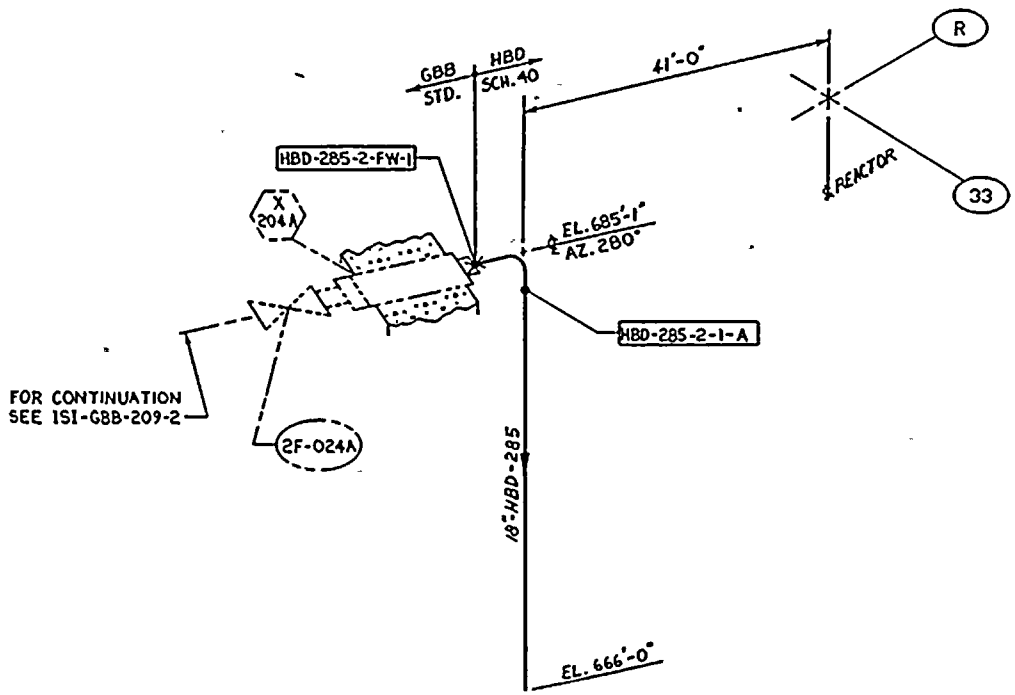
PP&L DRAWING NO. C-199544 | SHEET NO. 1 | REV. NO. 0

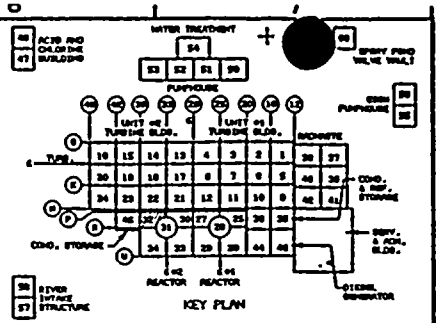
AE DRAWING NO. ISI-HBD-285-1

FRACTIONAL DECIMAL

G 2 2 2 0 G G G G M

LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	646'-0"	644'-0"	644'-0"		
2	676'-0"	676'-0"	664'-0"	677'-0"	704'-0"	676'-0"
3	694'-0"	693'-0"	676'-0"	719'-0"	719'-1"	694'-0"
4	721'-0"	719'-0"	691'-0"		739'-11 1/4"	714'-0"
5	754'-0"	740'-1"			752'-11 1/4"	722'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	782'-0"
19		799'-1"				808'-0"

M-2151 SH.1 (R.H.R)	E-105951 SH.1
M-32-2	E-106182 SH.2
M-32-3	E-106182 SH.3
HBD-285-2 (REV.2)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-HBD-285-2

AREA 32 | ELEV. 666'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

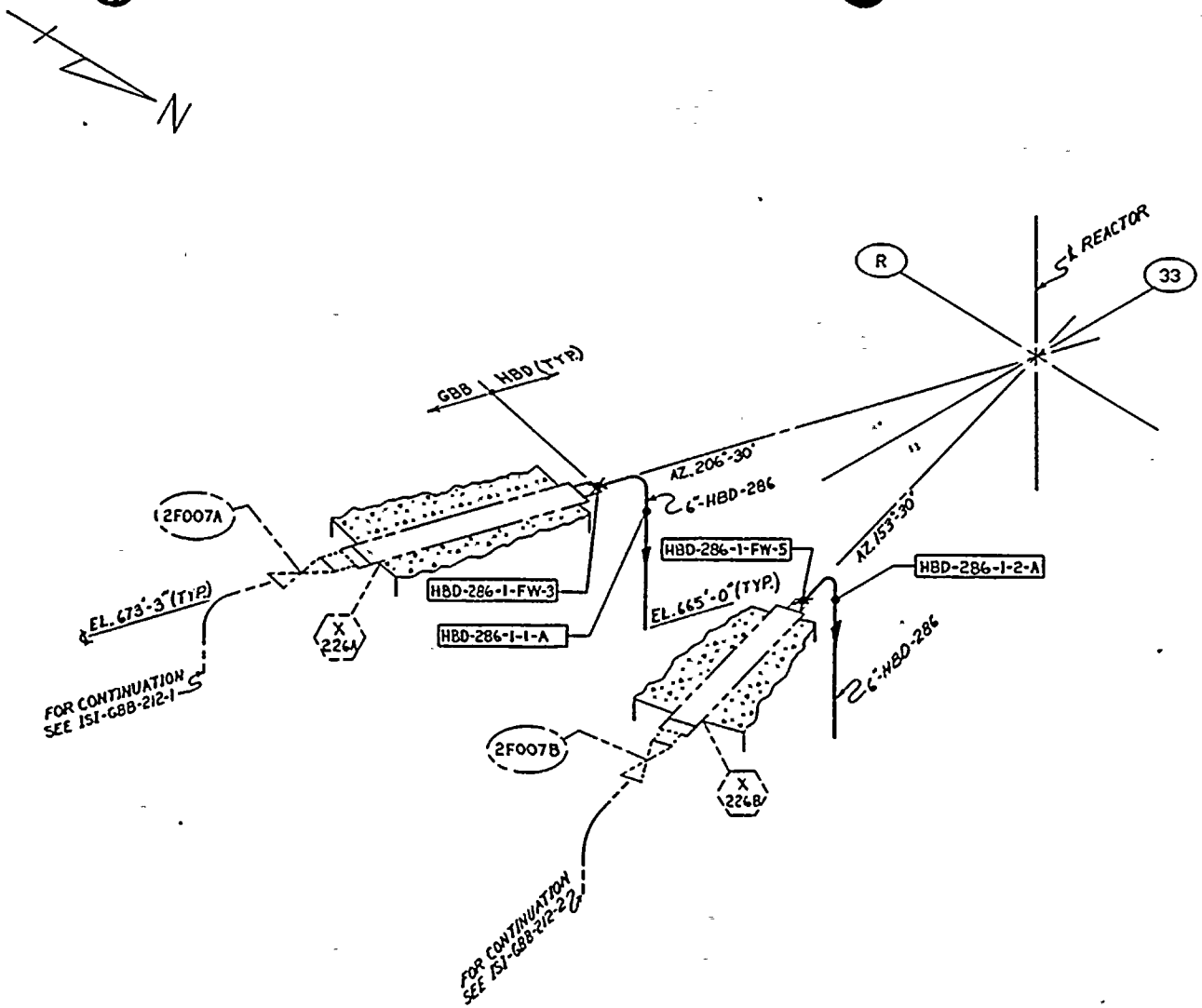
PP&L DRAWING NO. C-199545 | SHEET NO. 1 | REV. NO. 0

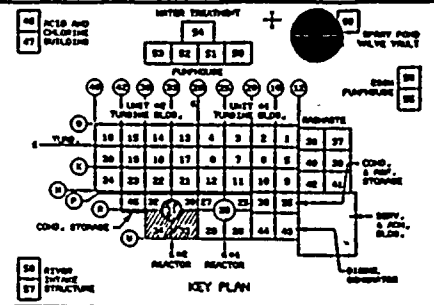
AE DRAWING NO. ISI-HBD-285-2

FRACTIONAL DECIMAL

G 2 2 2 0 | G | G | G | G | M

LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SHIELD REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
18		[illegible]				[illegible]

M-2151-1 (R.H.R)	E-105951 SH.1
M-2151-2 (R.H.R)	E-105951 SH.2
M-33-2	E-106183 SH.2
M-34-2	E-106184 SH.2
HBD-286-1 (REV.4)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-HBD-286-1

AREA 33;34 | ELEV. 670'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

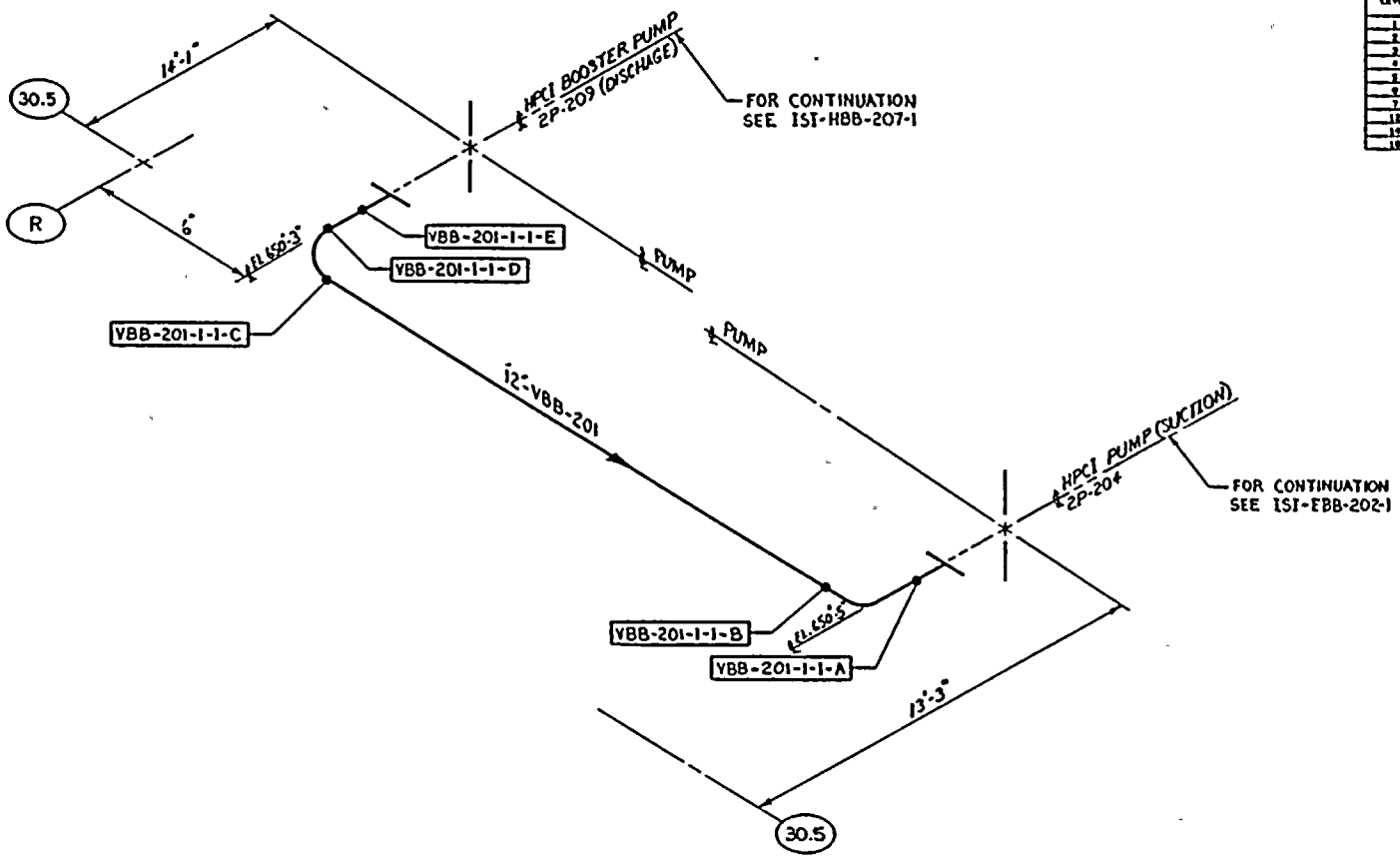
PP&L DRAWING NO. C-199546 | SHEET NO. 1 | REV. NO. 0

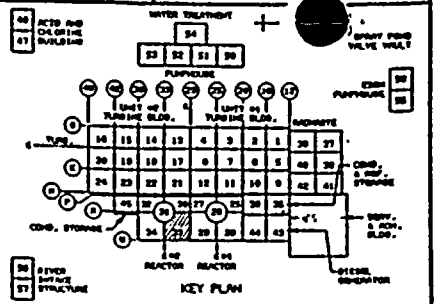
AE DRAWING NO. ISI-HBD-286-1

FRACTIONAL DECIMAL

G 2 2 2 0 G G G G H

LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL & REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	676'-9"	676'-9"	676'-9"	676'-9"		
2	679'-9"	679'-9"	679'-9"	677'-9"	679'-9"	679'-9"
3	699'-9"	697'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	725'-9"	719'-9"	691'-9"		720'-11 1/4"	719'-9"
5	751'-9"	749'-1"			732'-7 1/4"	732'-9"
6	719'-9"	771'-1"			779'-1"	751'-9"
7		819'-1"				754'-9"
12					781'-1"	771'-9"
13					809'-9"	783'-9"
19		799'-1"				809'-9"

M-33-1	E-106183 SH.1
M-2156 (HPCI)	E-105956
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	WWD	DD		

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

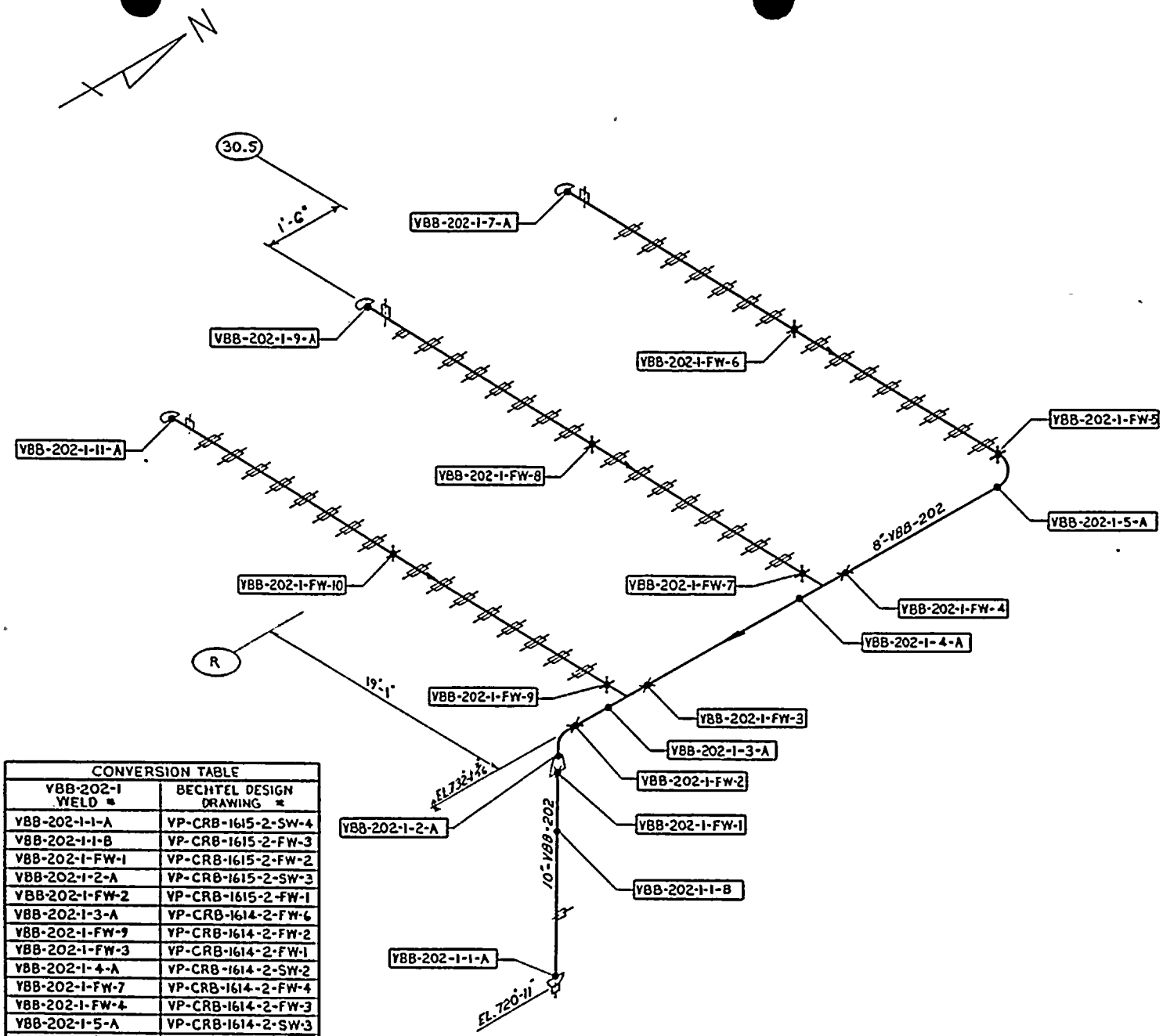
INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-VBB-201-1

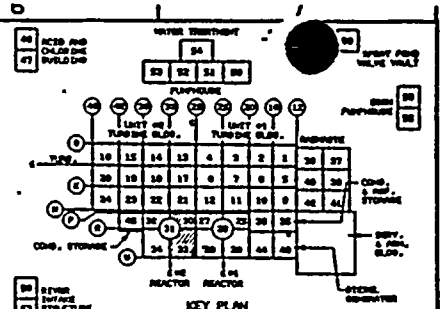
AREA 33 | ELEV. 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199547 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-VBB-201-1





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
15		[illegible]				[illegible]

CONVERSION TABLE	
VBB-202-1 WELD #	BECHTEL DESIGN DRAWING #
VBB-202-1-1-A	VP-CRB-1615-2-SW-4
VBB-202-1-1-B	VP-CRB-1615-2-FW-3
VBB-202-1-FW-1	VP-CRB-1615-2-FW-2
VBB-202-1-2-A	VP-CRB-1615-2-SW-3
VBB-202-1-FW-2	VP-CRB-1615-2-FW-1
VBB-202-1-3-A	VP-CRB-1614-2-FW-6
VBB-202-1-FW-9	VP-CRB-1614-2-FW-2
VBB-202-1-FW-3	VP-CRB-1614-2-FW-1
VBB-202-1-4-A	VP-CRB-1614-2-SW-2
VBB-202-1-FW-7	VP-CRB-1614-2-FW-4
VBB-202-1-FW-4	VP-CRB-1614-2-FW-3
VBB-202-1-5-A	VP-CRB-1614-2-SW-3
VBB-202-1-FW-5	VP-CRB-1614-2-FW-5
VBB-202-1-FW-6	VP-CRB-1611-2-FW-15
VBB-202-1-7-A	VP-CRB-1611-2-SW-30
VBB-202-1-FW-8	VP-CRB-1609-2-FW-16
VBB-202-1-9-A	VP-CRB-1609-2-SW-32
VBB-202-1-FW-10	VP-CRB-1607-2-FW-17
VBB-202-1-11-A	VP-CRB-1607-2-SW-34

VP-CRB-1607-2	
VP-CRB-1609-2	
VP-CRB-1611-2	
VP-CRB-1614-2	
VP-CRB-1615-2	
M-2147(CRD)	E-105947
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-VBB-202-1

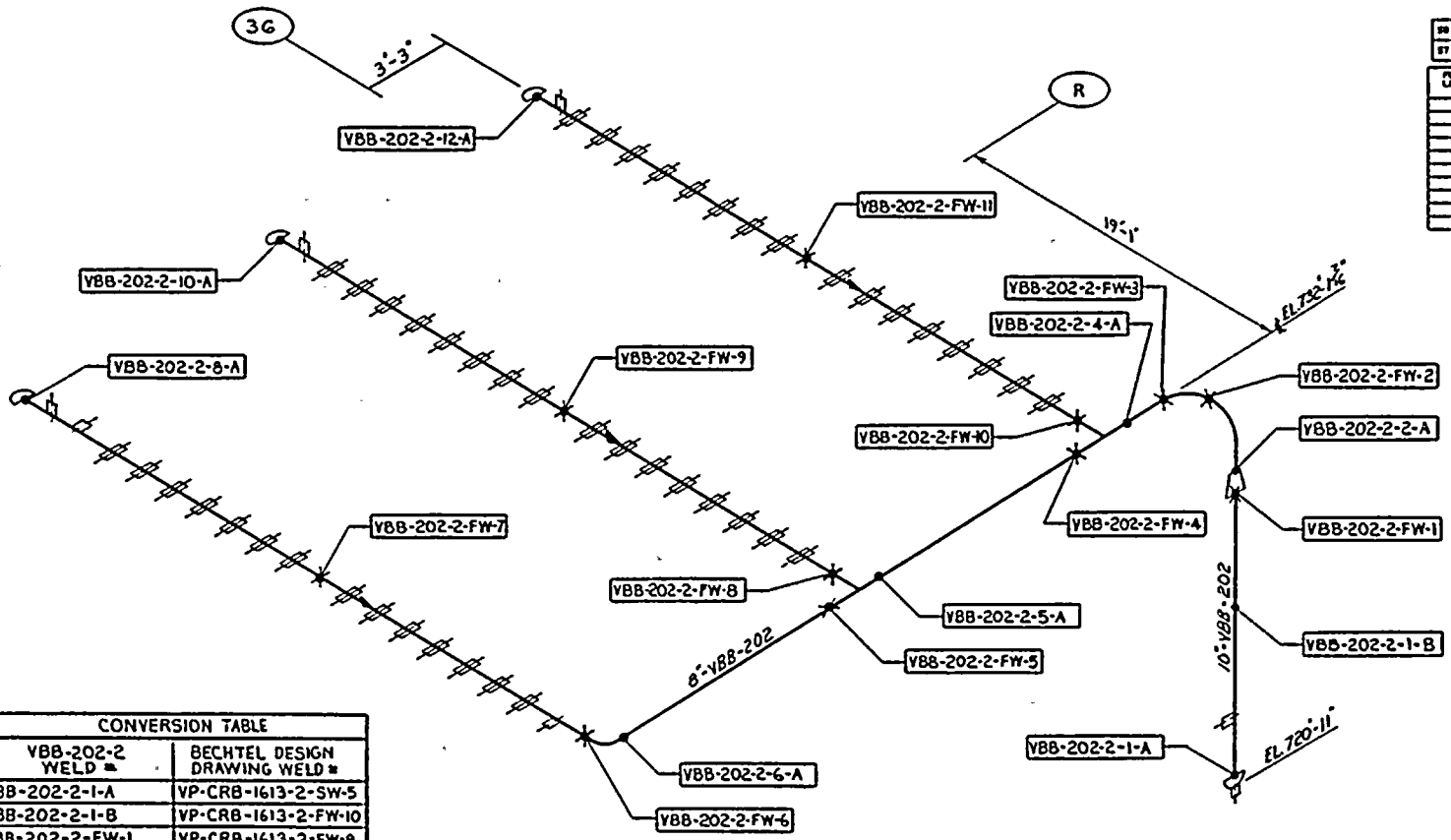
AREA 30:33 | ELEV. 719'-0" | SCALE- NONE

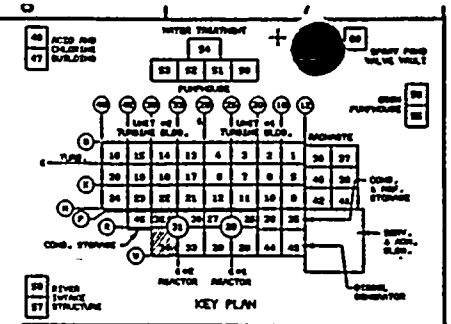
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199548 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-VBB-202-1

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-3"	695'-3"	693'-3"	698'-3"		
2	679'-3"	679'-3"	699'-3"	677'-3"	719'-3"	679'-3"
3	699'-3"	697'-3"	679'-3"	718'-3"	718'-1"	699'-3"
4	719'-3"	718'-3"	681'-3"		739'-11 1/2"	719'-3"
5	732'-3"	749'-1"			732'-7 1/2"	732'-3"
6	719'-3"	779'-1"			779'-1"	741'-3"
7		818'-1"				754'-3"
12					791'-1"	771'-3"
14					818'-3"	797'-3"
18		799'-1"				818'-3"

CONVERSION TABLE	
VBB-202-2 WELD #	BECHTEL DESIGN DRAWING WELD #
VBB-202-2-1-A	VP-CRB-1613-2-SW-5
VBB-202-2-1-B	VP-CRB-1613-2-FW-10
VBB-202-2-FW-1	VP-CRB-1613-2-FW-8
VBB-202-2-2-A	VP-CRB-1613-2-SW-4
VBB-202-2-FW-2	VP-CRB-1613-2-FW-7
VBB-202-2-FW-3	VP-CRB-1613-2-FW-6
VBB-202-2-4-A	VP-CRB-1613-2-FW-9
VBB-202-2-FW-4	VP-CRB-1613-2-FW-4
VBB-202-2-FW-10	VP-CRB-1613-2-FW-5
VBB-202-2-5-A	VP-CRB-1613-2-SW-2
VBB-202-2-FW-5	VP-CRB-1613-2-FW-2
VBB-202-2-FW-8	VP-CRB-1613-2-FW-8
VBB-202-2-6-A	VP-CRB-1613-2-SW-1
VBB-202-2-FW-6	VP-CRB-1613-2-FW-1
VBB-202-2-FW-7	VP-CRB-1601-2-FW-14
VBB-202-2-8-A	VP-CRB-1601-2-SW-28
VBB-202-2-FW-9	VP-CRB-1603-2-FW-17
VBB-202-2-10-A	VP-CRB-1603-2-10-A
VBB-202-2-FW-11	VP-CRB-1605-2-FW-17
VBB-202-2-12-A	VP-CRB-1605-2-SW-34

VP-CRB-1605-2	
VP-CRB-1603-2	
VP-CRB-1601-2	
VP-CRB-1613-2	
M-2147(C.R.D)	E-105947
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	LMK			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD IDENTIFICATION
ISI-VBB-202-2

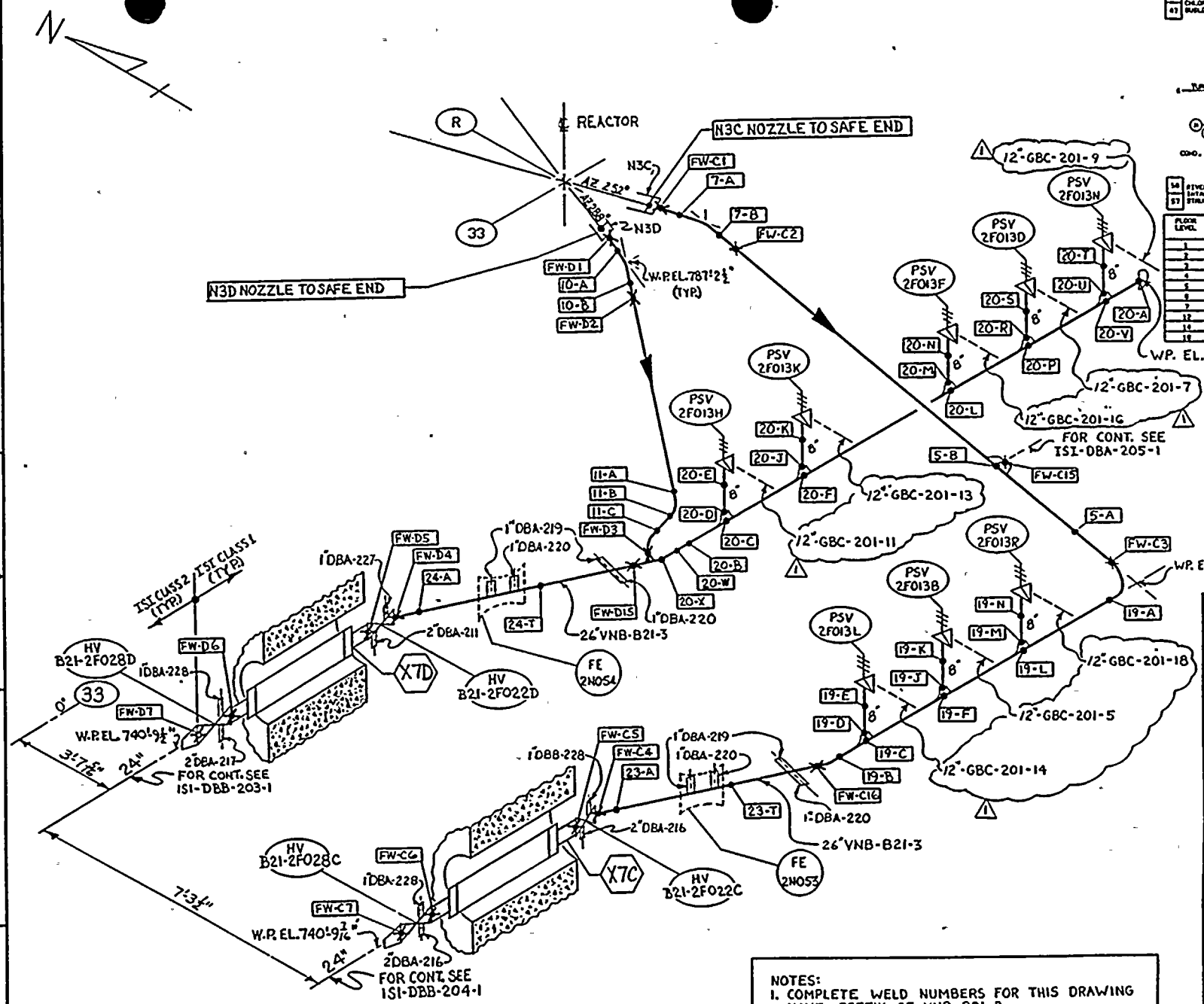
AREA 32 & 34 | ELEV. 719'-0" | SCALE- NONE

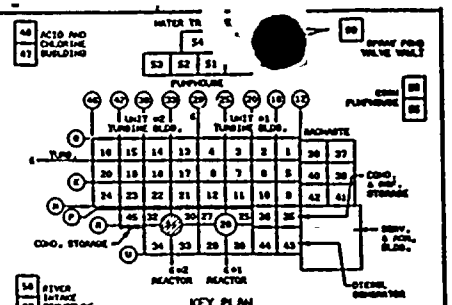
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199549 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-VBB-202-2

FRACTIONAL DECIMAL G 2 2 2 0 LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	645'-9"	649'-9"	588'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	690'-9"	692'-9"	679'-9"	718'-9"	719'-1"	688'-9"
4	723'-9"	718'-9"	691'-9"		738'-11 1/16"	714'-9"
5	742'-9"	749'-1"			752'-2 1/16"	732'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					808'-9"	788'-9"
19		799'-1"				808'-9"

NOTES:
1. COMPLETE WELD NUMBERS FOR THIS DRAWING HAVE PREFIX OF VNB-B21-3.

GE.8856-MI-B21-23-6	
M-2141 (NCLR. BOILER)	E-105941
M31-4,11,13,15	E-106181-SH.4,11,13&15
VNB-B21-3 (REV.0)	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
1	INCORP. DCN 10 (85-2971).				
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

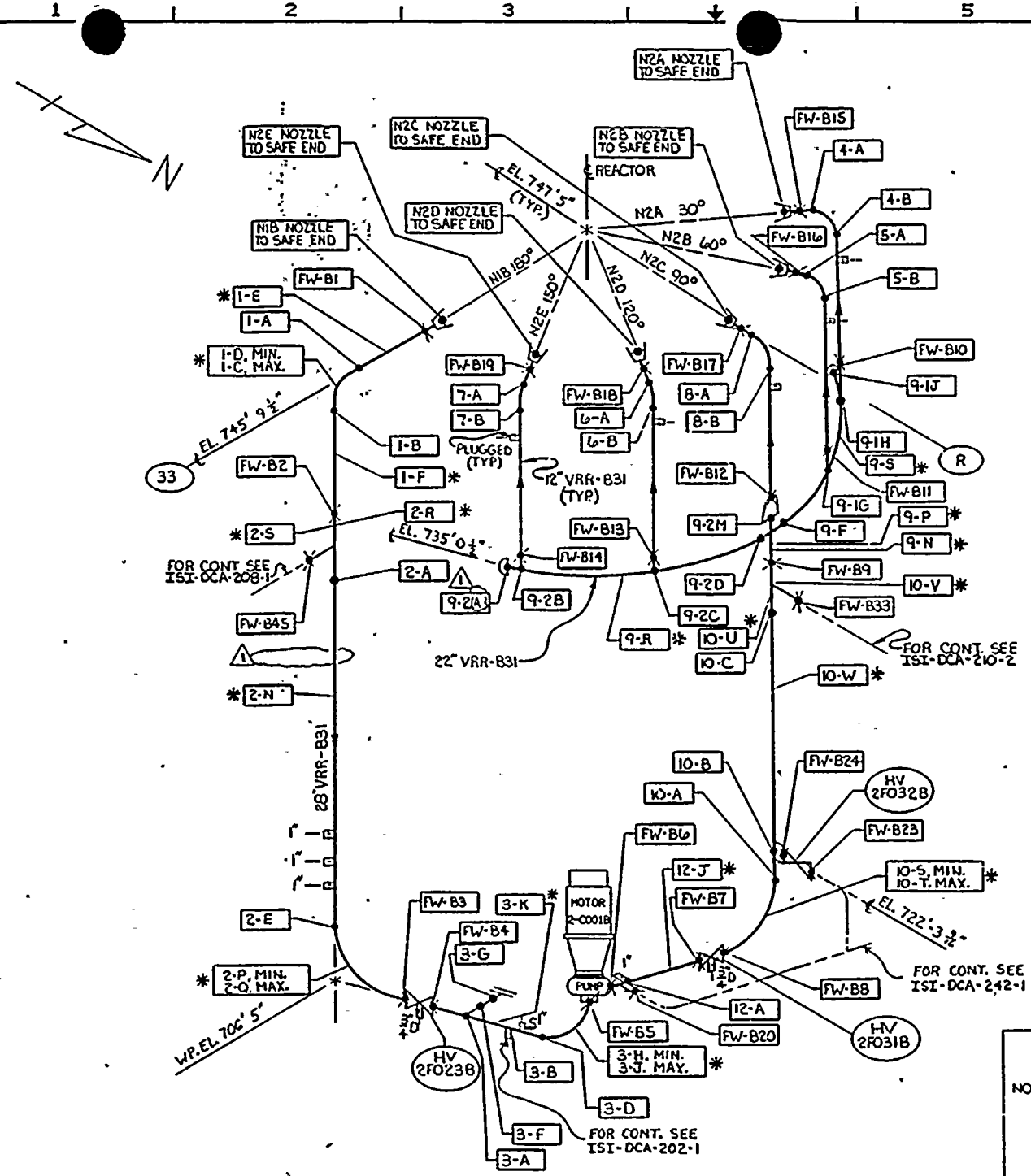
ISI-VNB-B21-3

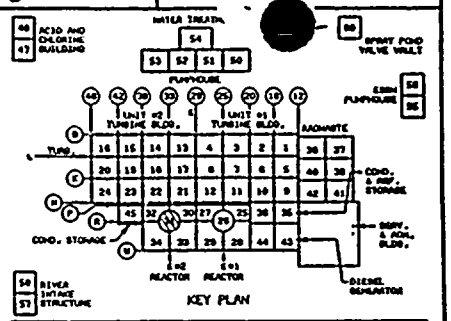
AREA 31 | ELEV. 738'-11 1/2" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-199550 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-VNB-B21-3





FLOOR ELEV.	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	658'-0"	655'-0"	646'-0"	690'-0"		
2	676'-0"	676'-0"	690'-0"	677'-0"	704'-0"	676'-0"
2.5	699'-0"	697'-0"	676'-0"	719'-0"	1.722'-1"	698'-0"
4	720'-0"	719'-0"	691'-0"		720'-11 1/2"	714'-0"
5	742'-0"	744'-1"			732'-11 1/2"	728'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	792'-0"
18		779'-1"				808'-0"

M-2143 (REAC. RCIRC)	E105943
M-31-15	E106181 SHT. 15
M-31-13	E106181 SHT. 13
M-31-11	E106181 SHT. 11
M-31-4	E106181 SHT. 4
M-31-3	E106181 SHT. 3
M-31-2	E106181 SHT. 2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

PEV	DESCRIPTION	DR	CH	APPROVED	DATE
1	INCORP. DCN 10 (85-4305)	SJL	RJZ	JLM	4/23/86
0	INITIAL ISSUE	MAF	RJZ	JLM	5/1/85

NOTES:
1. * DENOTES SEAM WELD
2. COMPLETE WELD NOS. FOR ABOVE HAVE PREFIX OF VRR-B31-4

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

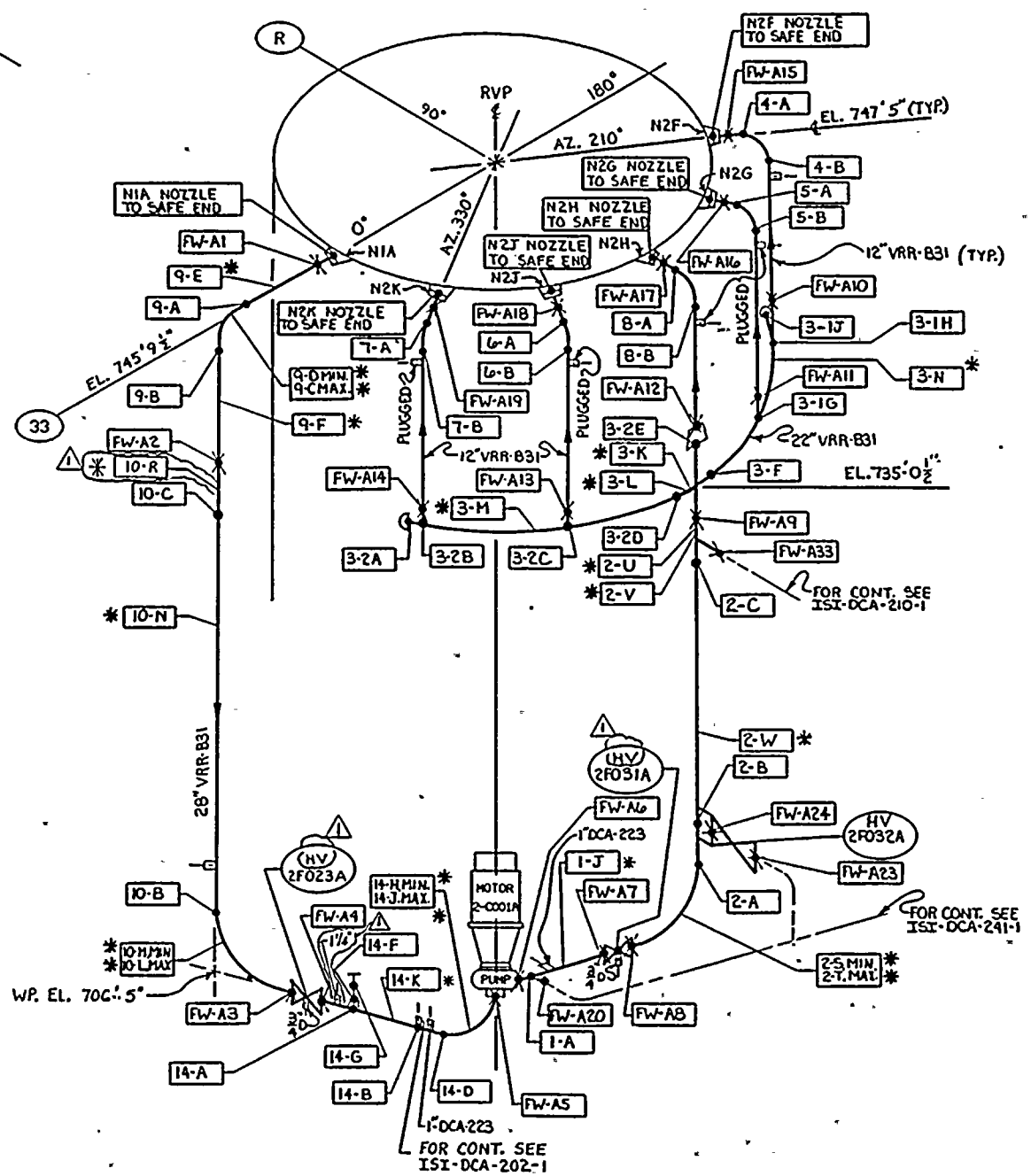
ISI-VRR-B31-4

AREA 31 | ELEV. 704'-0" | SCALE- NONE

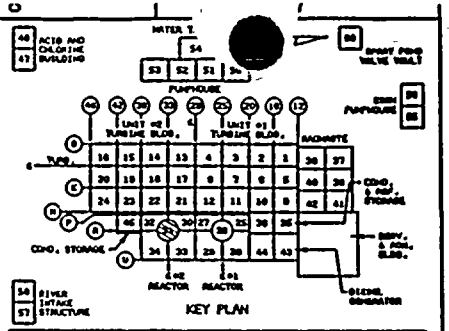
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-199553 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-VRR-B31-4



NOTES:
1. * DENOTES SEAM WELD
2. COMPLETE WELD NO.S FOR ABOVE HAVE PREFIX OF VRR-B31-3



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MACHINE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'0"	645'0"	644'0"	660'0"		
2	679'0"	679'0"	699'0"	677'0"	704'0"	679'0"
3	699'0"	693'0"	679'0"	719'0"	719'0"	688'0"
4	723'0"	719'0"	691'0"		729'11½"	719'0"
5	752'0"	749'1"			752'2½"	729'0"
6	764'0"	779'1"			779'1"	741'0"
7		819'1"				754'0"
12					791'1"	771'0"
14					808'0"	793'0"
19		799'1"				809'0"

M-2143 (REACT. RECIRC)	E 105943
VRR-B31-3 (REV.2)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
1	INCORP. DCN 10 (BS-4304).	S				
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC WELD IDENTIFICATION

ISI-VRR-B31-3

AREA 31	ELEV. 704'-0	SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-199552	1	1

AE DRAWING NO. ISI-VRR-B31-3

ISI HANGER IDENTIFICATION ISOMETRICS

REFERENCE NUMBER	PP&L DRAWING NUMBER	REVISION*
ISI-DBA-201-1-H	C-201251	0
ISI-DBA-201-2-H	C-201252	0
ISI-DBA-202-1-H	C-201253	0
ISI-DBA-202-2-H	C-201254	0
ISI-DBA-205-1-H	C-201255	0
ISI-DBB-201-1-H	C-201256 Sht 1&2	0
ISI-DBB-202-1-H	C-201257 Sht 1&2	0
ISI-DBB-203-1-H	C-201258 Sht 1&2	0
ISI-DBB-204-1-H	C-201259 Sht 1&2	0
ISI-DBB-205-1-H	C-201260	0
ISI-DBB-205-2-H	C-201261	0
ISI-DBB-207-1-H	C-201262	0
ISI-DBB-207-2-H	C-201263	0
ISI-DBB-213-1-H	C-201265	0
ISI-DBB-213-2-H	C-201266	0
ISI-DBB-214-1-H	C-201267 Sht 1 & 2	0
ISI-DBB-215-1-H	C-201268	0
ISI-DBB-218-1-H	C-201270	0
ISI-DBB-219-1-H	C-201271	0
ISI-DBB-220-1-H	C-201272	0
ISI-DBB-220-2-H	C-201273	0
ISI-DBB-221-1-H	C-201274	0
ISI-DBB-221-2-H	C-201275	0
ISI-DBB-229-1-H	C-201277	0
ISI-DCA-202-1-H	C-201278	0
ISI-DCA-202-2-H	C-201279	0
ISI-DCA-203-1-H	C-201280	0
ISI-DCA-207-1-H	C-201281	0
ISI-DCA-207-2-H	C-201282	0
ISI-DCA-208-1-H	C-201283	0
ISI-DCA-209-1-H	C-201284	0
ISI-DCA-209-2-H	C-201285	0
ISI-DCA-210-1-H	C-201286	0
ISI-DCA-210-2-H	C-201287	0
ISI-DCA-211-1-H	C-201288	0
ISI-DCA-211-2-H	C-201289	0
ISI-DCA-211-3-H	C-201290	0

*To determine the latest document revision and/or any outstanding document change mechanisms, please reference stairs and/or the configuration control design document management system. (DDMS)

ISI HANGER IDENTIFICATION ISOMETRICS

REFERENCE NUMBER	PP&L DRAWING NUMBER	REVISION*
ISI-DCA-241-1-H	C-201291	0
ISI-DCA-242-1-H	C-201292	0
ISI-SP-DCA-202-1-H	C-199502	0
ISI-SP-DCA-202-2-H	C-201264	0
ISI-SP-DCA-203-3-H	C-201430	0
ISI-SP-DCA-206-1-H	C-201300	0
ISI-SP-DCA-206-2-H	C-201301	0
ISI-SP-DCA-206-3-H	C-201302	0
ISI-SP-DCA-206-4-H	C-201303	0
ISI-SP-DCA-206-5-H	C-201304	0
ISI-DCB-202-1-H	C-201293	0
ISI-DLA-201-1-H	C-201294	0
ISI-DLA-202-1-H	C-201295	0
ISI-DLA-203-1-H	C-201296	0
ISI-DLA-204-1-H	C-201297	0
ISI-EBB-202-1-H	C-201298	0
ISI-EBB-203-1-H	C-201299	0
ISI-GBB-201-1-H	C-201305	0
ISI-GBB-201-2-H	C-201305	0
ISI-GBB-201-2-H	C-201306	0
ISI-GBB-201-3-H	C-201307	0
ISI-GBB-201-4-H	C-201308	0
ISI-GBB-203-1-H	C-201309	0
ISI-GBB-203-2-H	C-201310	0
ISI-GBB-204-1-H	C-201311	0
ISI-GBB-204-2-H	C-201312	0
ISI-GBB-204-3-H	C-201313	0
ISI-GBB-204-4-H	C-201314	0
ISI-GBB-205-1-H	C-201315	0
ISI-GBB-205-2-H	C-201316	0
ISI-GBB-206-1-H	C-201317	0
ISI-GBB-206-2-H	C-201318	0
ISI-GBB-207-1-H	C-201319	0
ISI-GBB-207-2-H	C-201320	0
ISI-GBB-208-1-H	C-201321	0
ISI-GBB-209-1-H	C-201322	0
ISI-GBB-209-2-H	C-201323	0

*To determine the latest document revision and/or any outstanding document change mechanisms, please reference stairs and/or the configuration control design document management system. (DDMS)

ISI HANGER IDENTIFICATION ISOMETRICS

REFERENCE NUMBER	PP&L DRAWING NUMBER	REVISION*
ISI-GBB-212-1-H	C-201324	0
ISI-GBB-212-2-H	C-201325	0
ISI-GBB-213-1-H	C-201326	0
ISI-GBB-215-1-H	C-201389	0
ISI-GBB-216-1-H	C-201327	0
ISI-GBB-216-2-H	C-201328	0
ISI-GBB-231-1-H	C-201329	0
ISI-GBC-201-4-H	C-201333	0
ISI-GBC-201-5-H	C-201334	0
ISI-GBC-201-6-H	C-201335	0
ISI-GBC-201-7-H	C-201336	0
ISI-GBC-201-8-H	C-201337	0
ISI-GBC-201-9-H	C-201338	0
ISI-GBC-201-10-H	C-201339	0
ISI-GBC-201-11-H	C-201340	0
ISI-GBC-201-12-H	C-201341	0
ISI-GBC-201-13-H	C-201342	0
ISI-GBC-201-14-H	C-201343	0
ISI-GBC-201-15-H	C-201344	0
ISI-GBC-201-16-H	C-201345	0
ISI-GBC-201-17-H	C-201346	0
ISI-GBC-201-18-H	C-201347	0
ISI-GBC-201-19-H	C-201348	0
ISI-GBC-201-20-H	C-201349	0
ISI-GBC-201-21-H	C-201350	0
ISI-GBC-201-23-H	C-201352	0
ISI-GBC-201-26-H	C-201355	0
ISI-GBC-201-27-H	C-201356	0
ISI-GBC-201-28-H	C-201357	0
ISI-GBC-201-29-H	C-201358	0
ISI-GBC-201-32-H	C-201361	0
ISI-GBC-201-33-H	C-201362	0
ISI-GBC-201-35-H	C-201364	0
ISI-GBC-205-1-H	C-201365	0
ISI-GBC-205-2-H	C-201366	0
ISI-HBB-201-1-H	C-201367	0
ISI-HBB-201-2-H	C-201368	0

*To determine the latest document revision and/or any outstanding document change mechanisms, please reference stairs and/or the configuration control design document management system. (DDMS)

ISI HANGER IDENTIFICATION ISOMETRICS

REFERENCE NUMBER	PP&L DRAWING NUMBER	REVISION*
ISI-HBB-204-1-H	C-201369	0
ISI-HBB-204-2-H	C-201370	0
ISI-HBB-207-1-H	C-201371	0
ISI-HBB-208-1-H	C-201372	0
ISI-HBB-208-2-H	C-201373	0
ISI-HBB-209-1-H	C-201374	0
ISI-HBB-210-1-H	C-201375	0
ISI-HBB-210-2-H	C-201376	0
ISI-HBB-210-3-H	C-201377	0
ISI-HBB-210-4-H	C-201378 Sht 1 & 2	0
ISI-HBB-211-1-H	C-201379	0
ISI-HBB-220-2-H	C-201428	0
ISI-HBB-220-1-H	C-201382	0
ISI-HBB-220-2-H	C-201381	0
ISI-HBB-220-3-H	C-201429	0
ISI-HBB-247-1-H	C-201383	0
ISI-HBC-217-1-H	C-201384	0
ISI-HBD-285-1-H	C-201385	0
ISI-HBD-285-2-H	C-201386	0
ISI-HBD-286-1-H	C-201387	0
ISI-HCC-203-1-H	C-201394	0
ISI-HCC-203-2-H	C-201395	0
ISI-HCC-203-3-H	C-201396	0
ISI-HCC-203-4-H	C-201397	0
ISI-HCC-204-1-H	C-201398	0
ISI-HCC-204-2-H	C-201399	0
ISI-HCC-206-1-H	C-201400	0
ISI-HCC-206-2-H	C-201401	0
ISI-HRC-201-1-H	C-194529 Sht 1&2	0
ISI-HRC-202-1-H	C-194530	0
ISI-HRC-203-1-H	C-201404	0
ISI-HRC-204-1-H	C-201405	0
ISI-HRC-205-1-H	C-194531	0
ISI-HRC-206-1-H	C-194532 Sht 1&2	0
ISI-HRC-207-1-H	C-201408	0
ISI-HRC-208-1-H	C-201409	0
ISI-HRC-209-1-H	C-201410	0

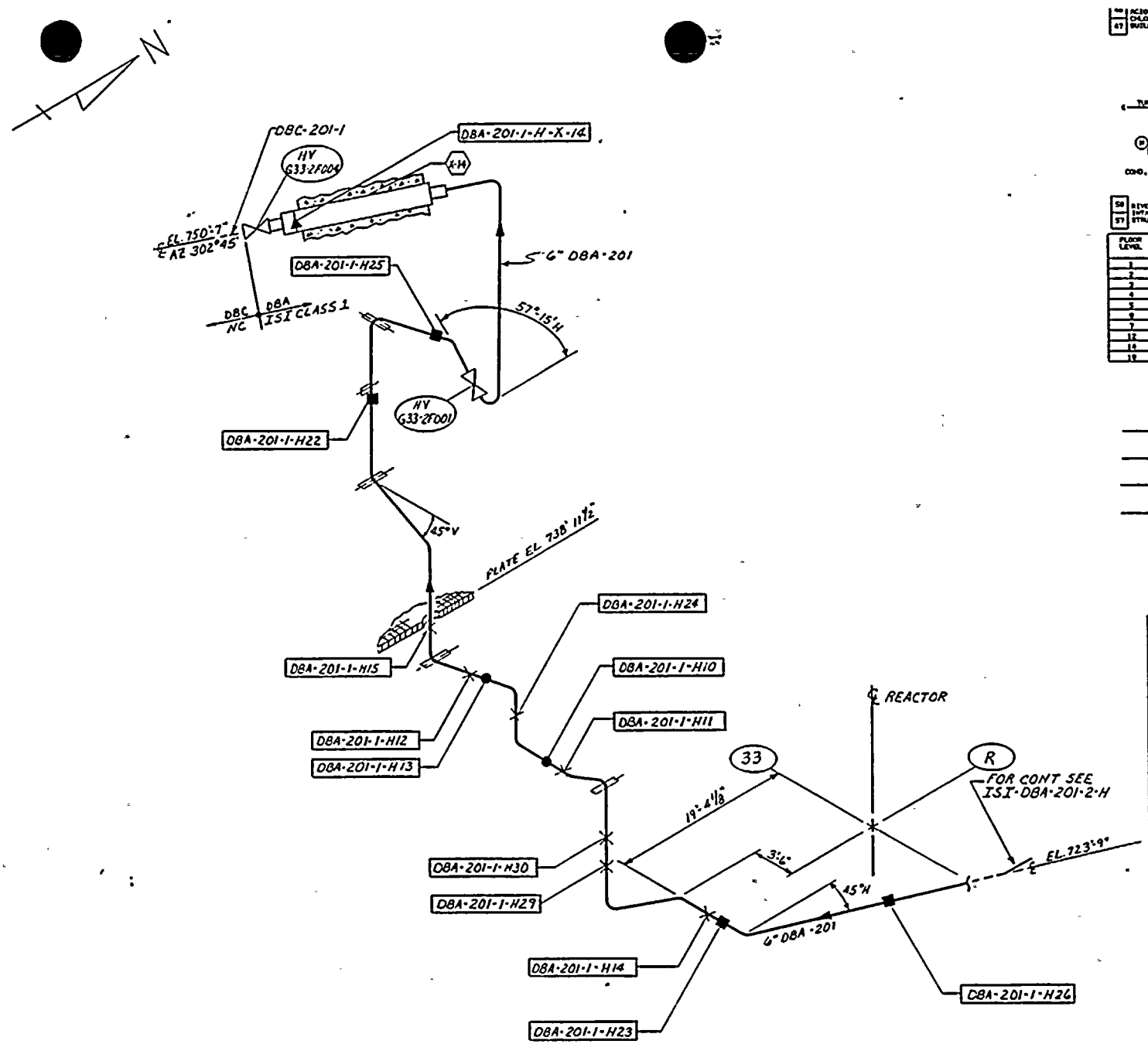
*To determine the latest document revision and/or any outstanding document change mechanisms, please reference stairs and/or the configuration control design document management system. (DDMS)

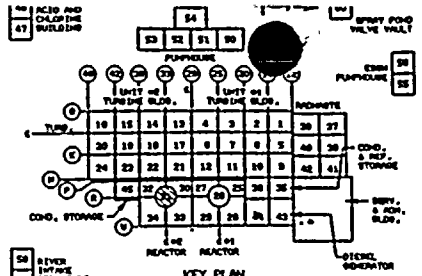
ISI HANGER IDENTIFICATION ISOMETRICS

REFERENCE NUMBER	PP&L DRAWING NUMBER	REVISION*
ISI-HRC-209-2-H	C-201411	0
ISI-HRC-210-1-H	C-201412	0
ISI-HRC-210-2-H	C-201413	0
ISI-HRC-212-1-H	C-194533	0
ISI-HRC-212-2-H	C-194534	0
ISI-HRC-212-3-H	C-194535	0
ISI-HRC-212-4-H	C-194536	0
ISI-HRC-213-1-H	C-201418	0
ISI-HRC-213-2-H	C-201419	0
ISI-HRC-214-1-H	C-194537	0
ISI-HRC-214-2-H	C-201422	0
ISI-VBB-202-1-H	C-201422	0
ISI-VBB-202-2-H	C-201423	0
ISI-VNB-B21-3-H	C-201424 Sht 1&2	0
ISI-VNB-B21-4-H	C-201425 Sht 1&2	0
ISI-VRR-B31-3-H	C-201426 Sht 1&2	0
ISI-VRR-B31-4-H	C-201427 Sht 1&2	0

dk/a25i:ncr

*To determine the latest document revision and/or any outstanding document change mechanisms, please reference stairs and/or the configuration control design document management system. (DDMS)





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	595'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	692'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	723'-9"	719'-9"	691'-9"		738'-11½"	719'-9"
5	742'-9"	749'-1"			752'-11½"	723'-9"
9	714'-9"	779'-1"			779'-1"	741'-9"
7		810'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DBA-201-1 (REV. 5)	
FCI-PSI-2875	
M-2144 (RWCU)	E-105944
M-31-3	E-106181 SH. 3
M-31-4	E-106181 SH. 4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBA-201-1-H

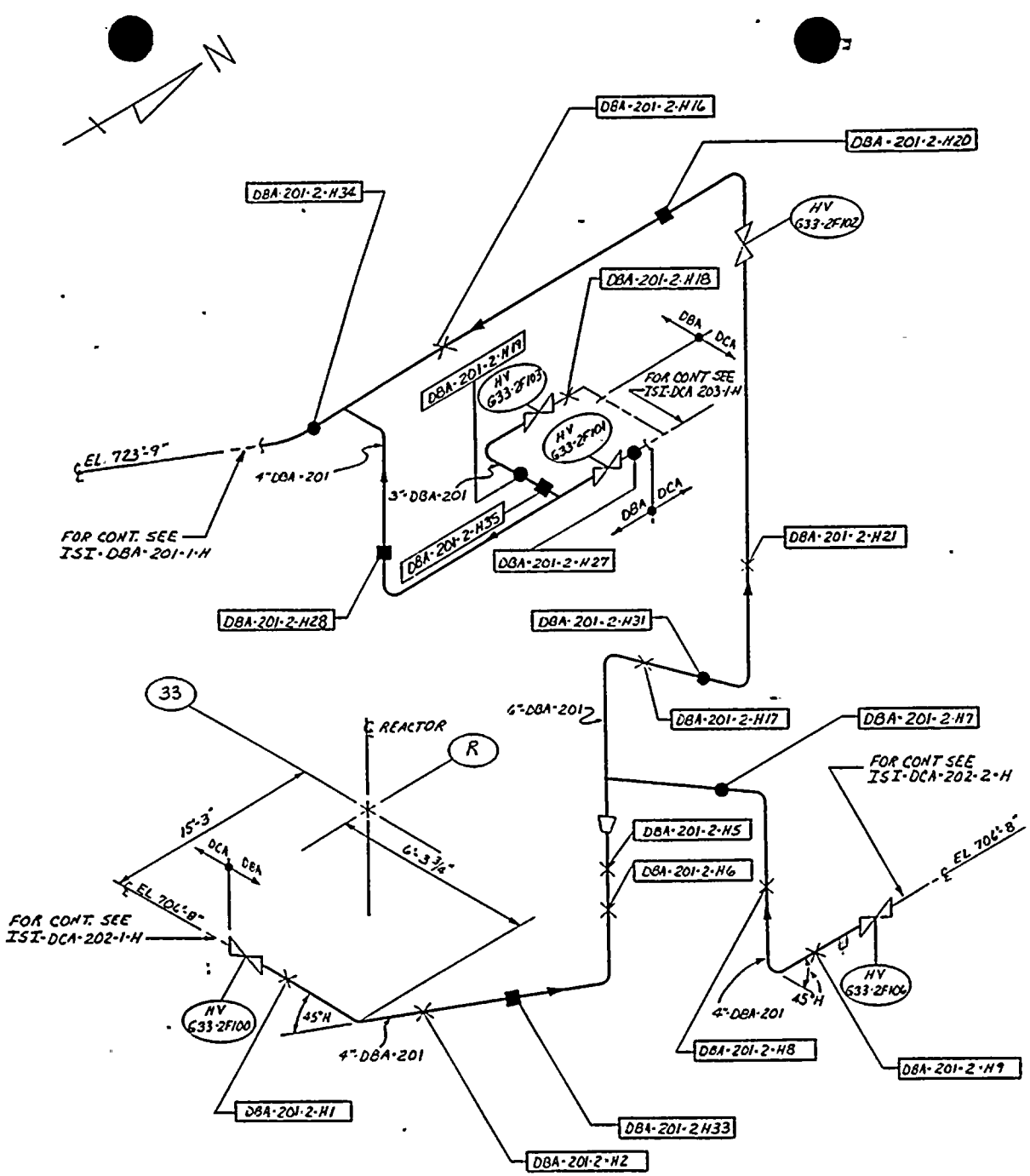
AREA 31 | ELEV. 719'-1" | SCALE- NONE

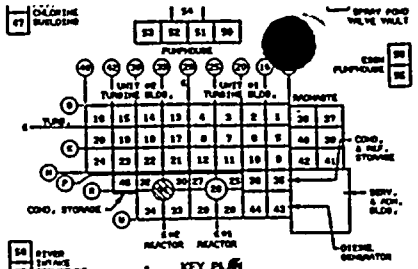
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201251	1	0

AE DRAWING NO. ISI-DBA-201-1-H

FRACTIONAL | DECIMAL | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MAGNETITE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-9"	695'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	692'-9"	679'-9"	718'-9"	719'-1"	699'-9"
4	739'-9"	718'-9"	691'-9"		736'-11 1/2"	719'-9"
5	762'-9"	749'-1"			752'-2 1/2"	739'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					781'-1"	771'-9"
14					809'-9"	792'-9"
19		739'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DBA-201-2 (REV. 6)	
FCI-PSI-2874	
FCI-PSI-2875	
M-2144 (RWCU)	E-105944
M-31-2	E-106181 SH. 2
M-31-3	E-106181 SH. 3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION

ISI-DBA-201-2-H

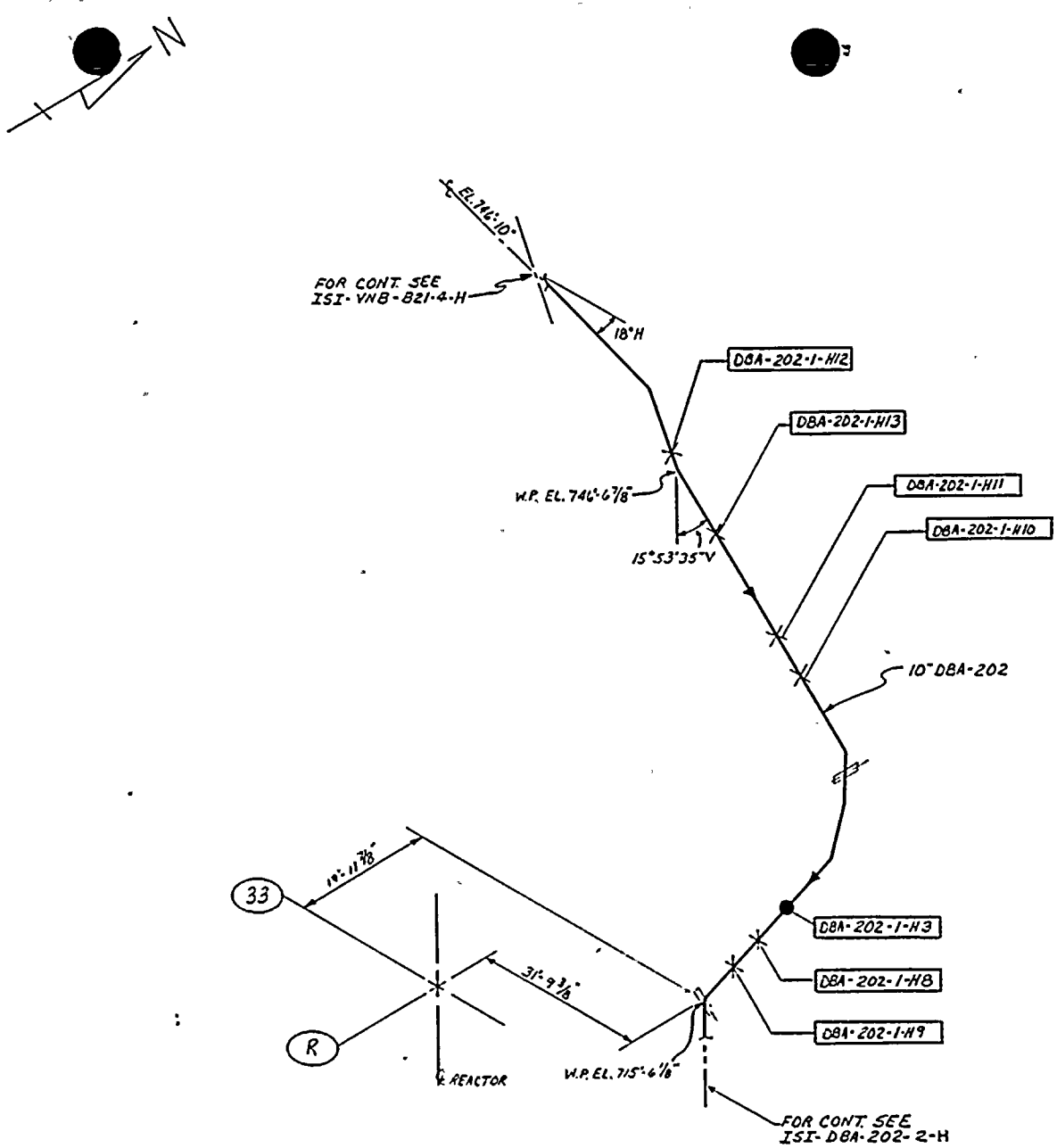
AREA 31 | ELEV. 704'-0 | SCALE- NONE

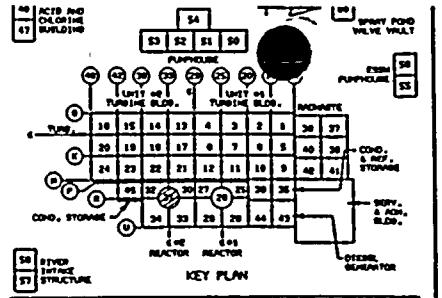
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201252 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBA-201-2-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPENT FUEL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	676'-0"	695'-0"	695'-0"	690'-0"		
2	676'-0"	670'-0"	690'-0"	677'-0"	704'-0"	676'-0"
3	690'-0"	693'-0"	676'-0"	718'-0"	718'-1"	690'-0"
4	725'-0"	713'-0"	691'-0"		728'-11 1/4"	714'-0"
5	755'-0"	746'-1"			753'-2 1/2"	725'-0"
6	714'-0"	775'-1"			775'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	792'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DBA-202-1 (REV 4)	
FCI-PSI-2952	
M-2141 (NUC. BLR.)	E-105941
M-2155 (HPCI)	E-105955
M-31-2	E-106181 SH. 2
M-31-3	E-106181 SH. 3
M-31-4	E-106181 SH. 4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION

ISI-DBA-202-1-H

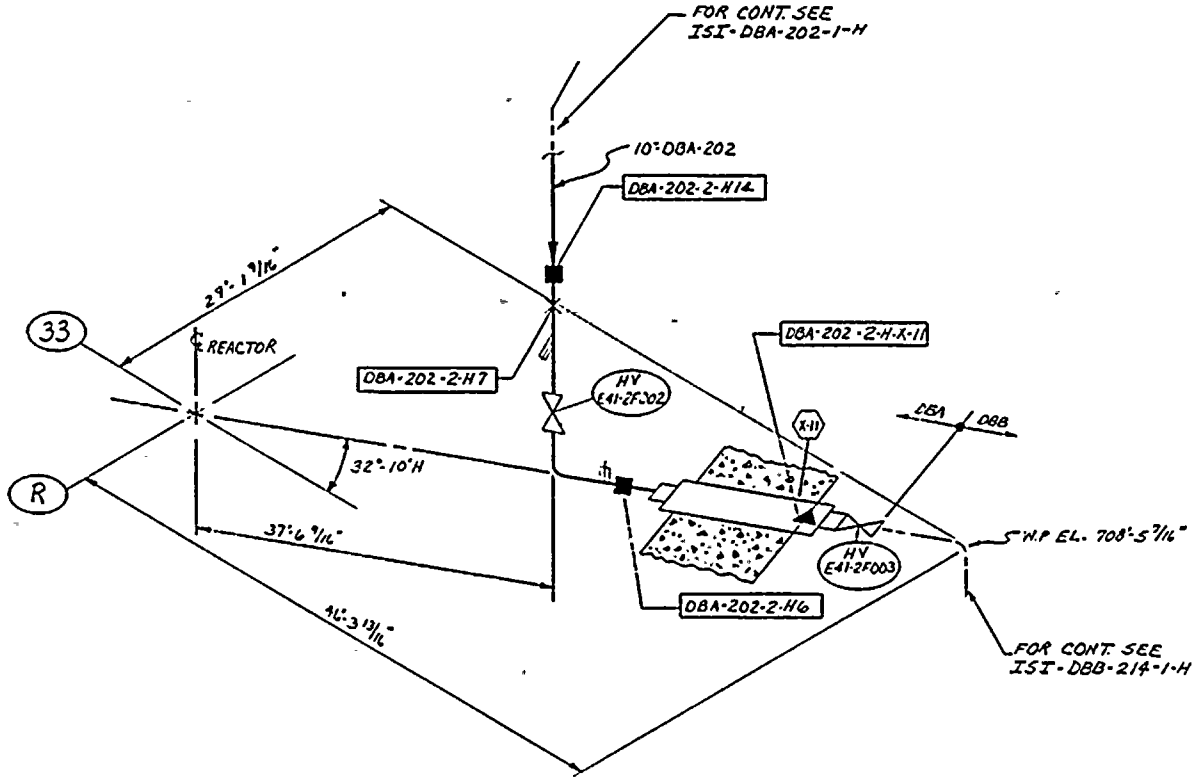
AREA 31 | ELEV. 704'-0" | SCALE- NONE

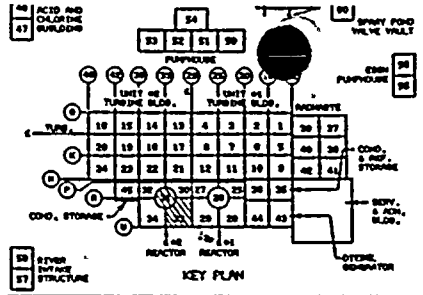
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201253 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBA-202-1-H

FRACTIONAL | DECIMAL | LOCATION CODES | SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORITE BLDG. EL.	DIESEL GENERATOR EL.	OFFWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
11					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DBA-202-2 (REV. 3)	
FCI-PSI-2820	
FCI-PSI-2952	
M-2141 (NUC.BLR)	E-105941
M-2155 (HPCI)	E-105955
M-31-2	E-106181 SH. 2
M-31-3	E-106181 SH. 3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION

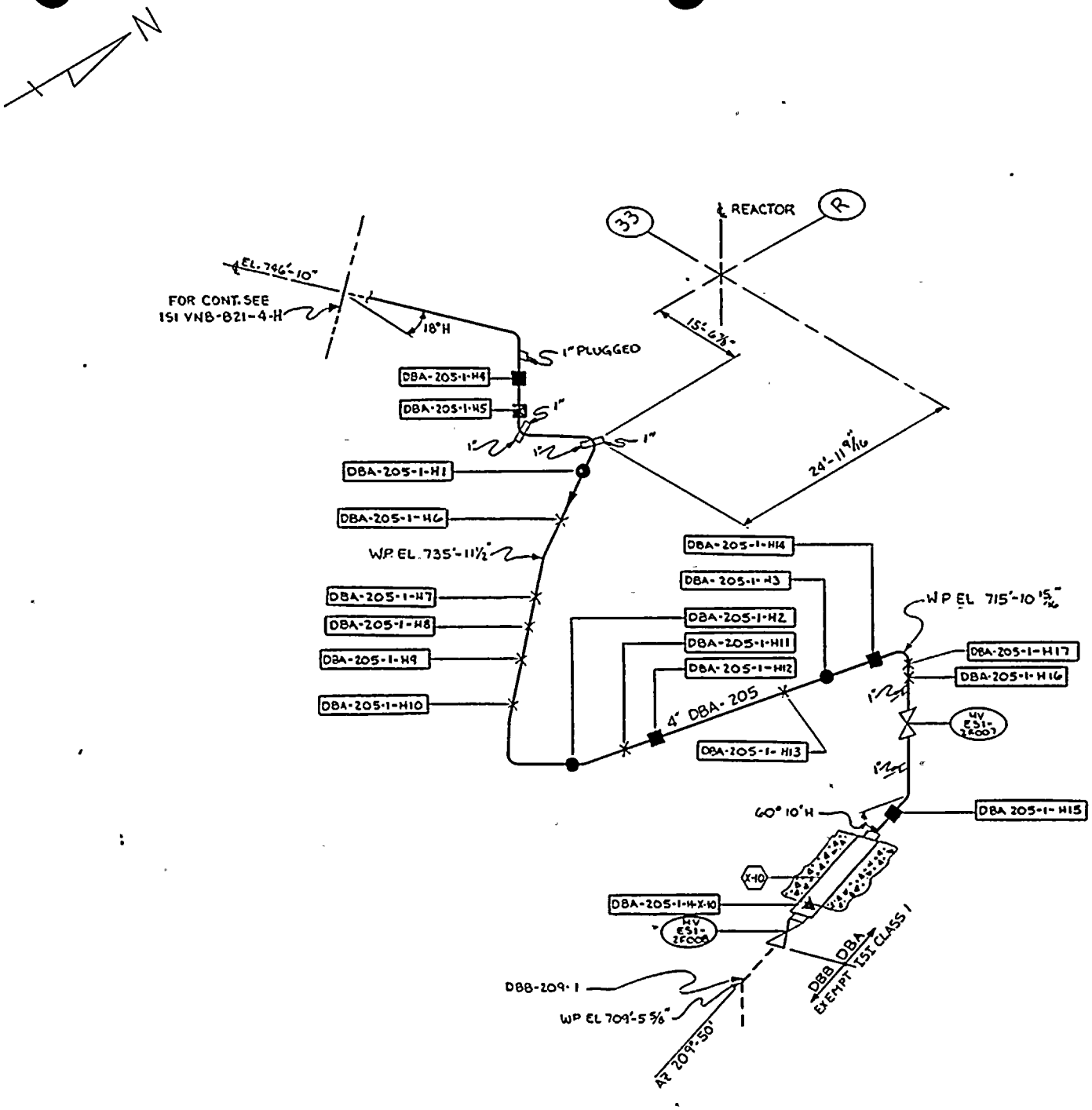
ISI-DBA-202-2-H.

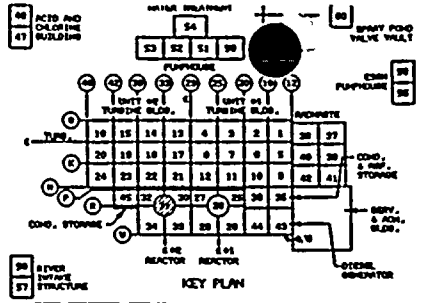
AREA 31&33 | ELEV. 704'-0 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201254	1	0
AE DRAWING NO. ISI-DBA-202-2-H		

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-9"	695'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	734'-9"	679'-9"
3	699'-9"	697'-9"	679'-9"	719'-9"	719'-1"	698'-9"
4	732'-9"	713'-9"	691'-9"		739'-11 1/2"	714'-9"
5	792'-9"	748'-1"			752'-2 1/2"	732'-9"
6	714'-9"	772'-1"			770'-1"	751'-9"
7		810'-1"				794'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2818	
DBA-205-1 (REV4)	
FCI-PSI-2951	
M-31-4	E-106181 SHT.4
M-31-3	E-106181 SHT.3
M-31-2	E-106181 SHT.2
M-2149 (RCIC)	E-105949
M-2141 (NUC.BLR)	E-105941
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	DLK	PD	MKS	4/4/81

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-DBA-205-1-H

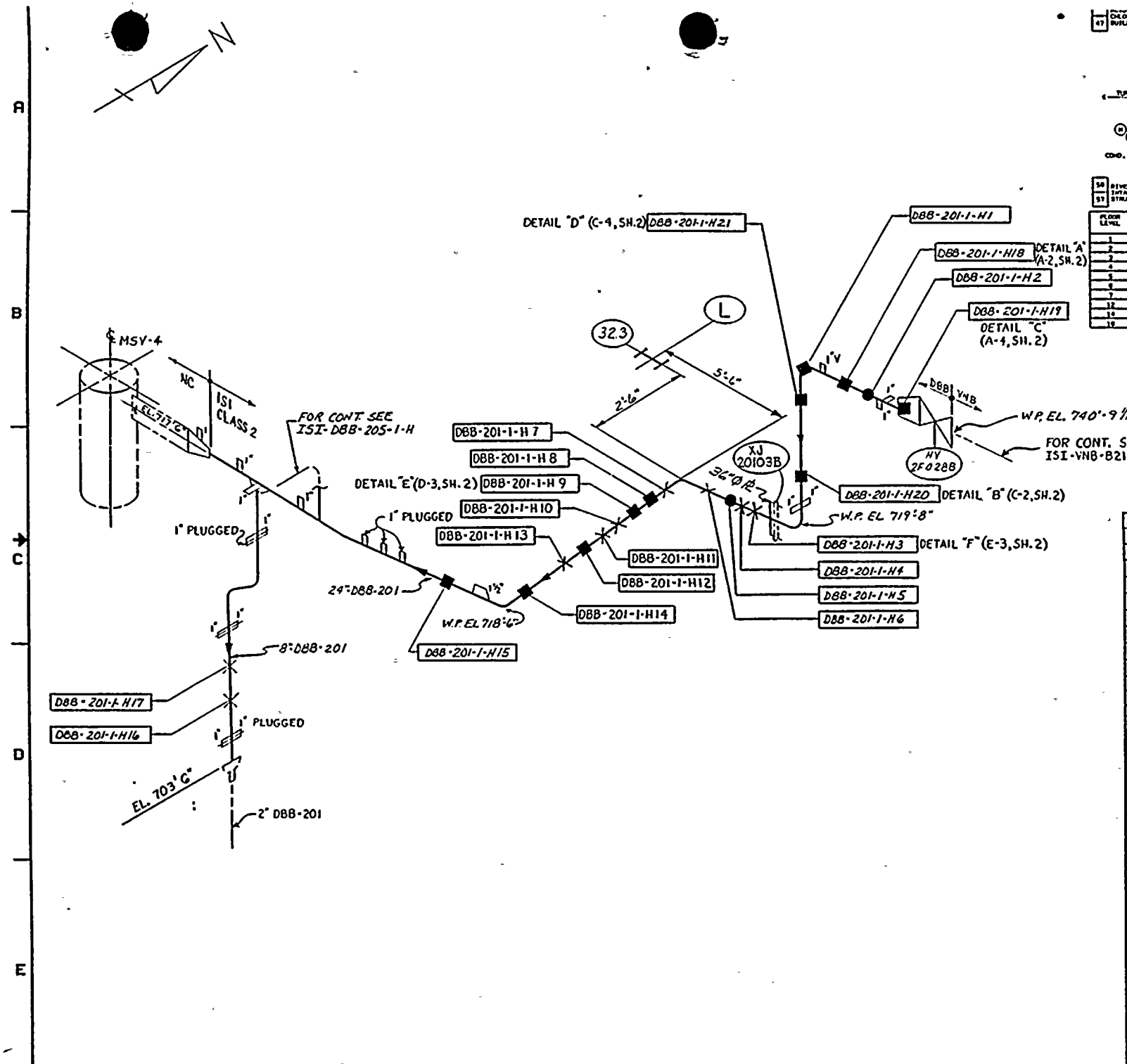
AREA 31 | ELEV. 704'-0" | SCALE- NONE

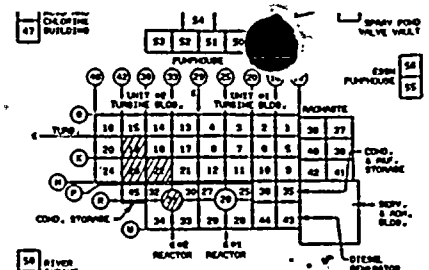
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201255 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBA-205-1-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	645'-0"	646'-0"	660'-0"		
2	676'-0"	676'-0"	660'-0"	677'-0"	704'-0"	676'-0"
3	699'-0"	693'-0"	676'-0"	719'-0"	719'-1"	691'-0"
4	722'-0"	719'-0"	691'-0"		739'-11 1/4"	711'-0"
5	742'-0"	740'-1"			752'-2 1/4"	726'-0"
6	715'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					781'-1"	771'-0"
14					809'-0"	787'-0"
19		779'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DBB-201-1 SH. 1 (REV 7)	
DBB-201-1 SH. 2 (REV. 5)	
FCI-PSI-2600	
M-2101 (MAIN STM)	E-105901
M-2141 (NUC. BLR.)	E-105941
M-19-3	E-106169 SH. 3
M-22-6	E-106172 SH. 6
M-23-6	E-106173 SH. 6
M-31-4	E-106181 SH. 4
M-31-7	E-106181 SH. 7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				5/8/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-201-1-H

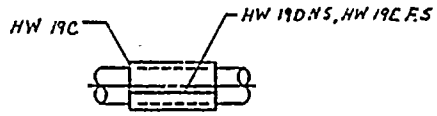
AREA 19,22,23,34 | ELEV. 714'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

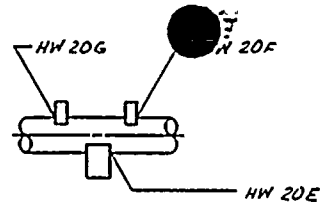
PP&L DRAWING NO. C-201256 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-201-1-H

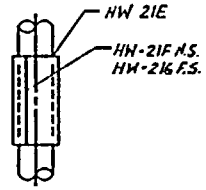
FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 G | LOCATION CODES G G G | SORTS H



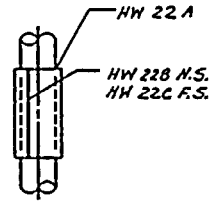
ELEV. VIEW
LOOKING NORTH
DETAIL "A"
(B-5, SH.1)
HANGER H18



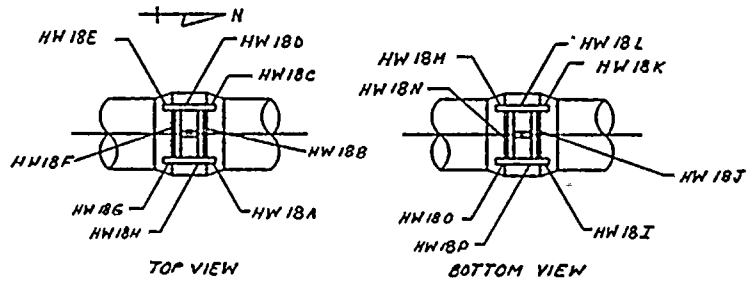
ELEV. VIEW
LOOKING NORTH
DETAIL "C"
(B-6, SH.1)
HANGER H19



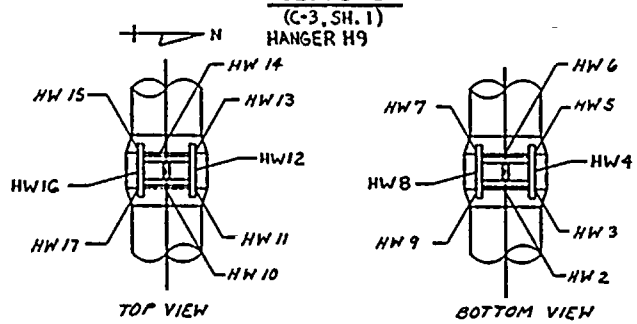
ELEV. VIEW
LOOKING NORTH
DETAIL "B"
(C-5, SH.1)
HANGER H20



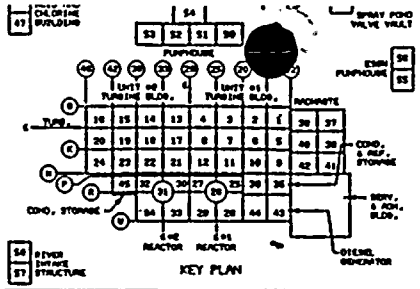
ELEV. VIEW
LOOKING NORTH
DETAIL "D"
(B-4, SH.1)
HANGER H21



DETAIL "E"
(C-3, SH.1)
HANGER H9



DETAIL "F"
(C-5, SH.1)
HANGER H3



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	959'-0"	945'-0"	949'-0"	999'-0"		
2	979'-0"	979'-0"	990'-0"	977'-0"	704'-0"	979'-0"
3	999'-0"	992'-0"	979'-0"	719'-0"	719'-1"	999'-0"
4	719'-0"	719'-0"	991'-0"		730'-11 1/2"	714'-0"
5	739'-0"	749'-1"			752'-11 1/2"	739'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		919'-1"				754'-0"
11					781'-1"	771'-0"
15					809'-0"	782'-0"
19		799'-1"				809'-0"

FOR NOTES AND REFERENCES
SEE SHEET 1.

AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-201-1-H

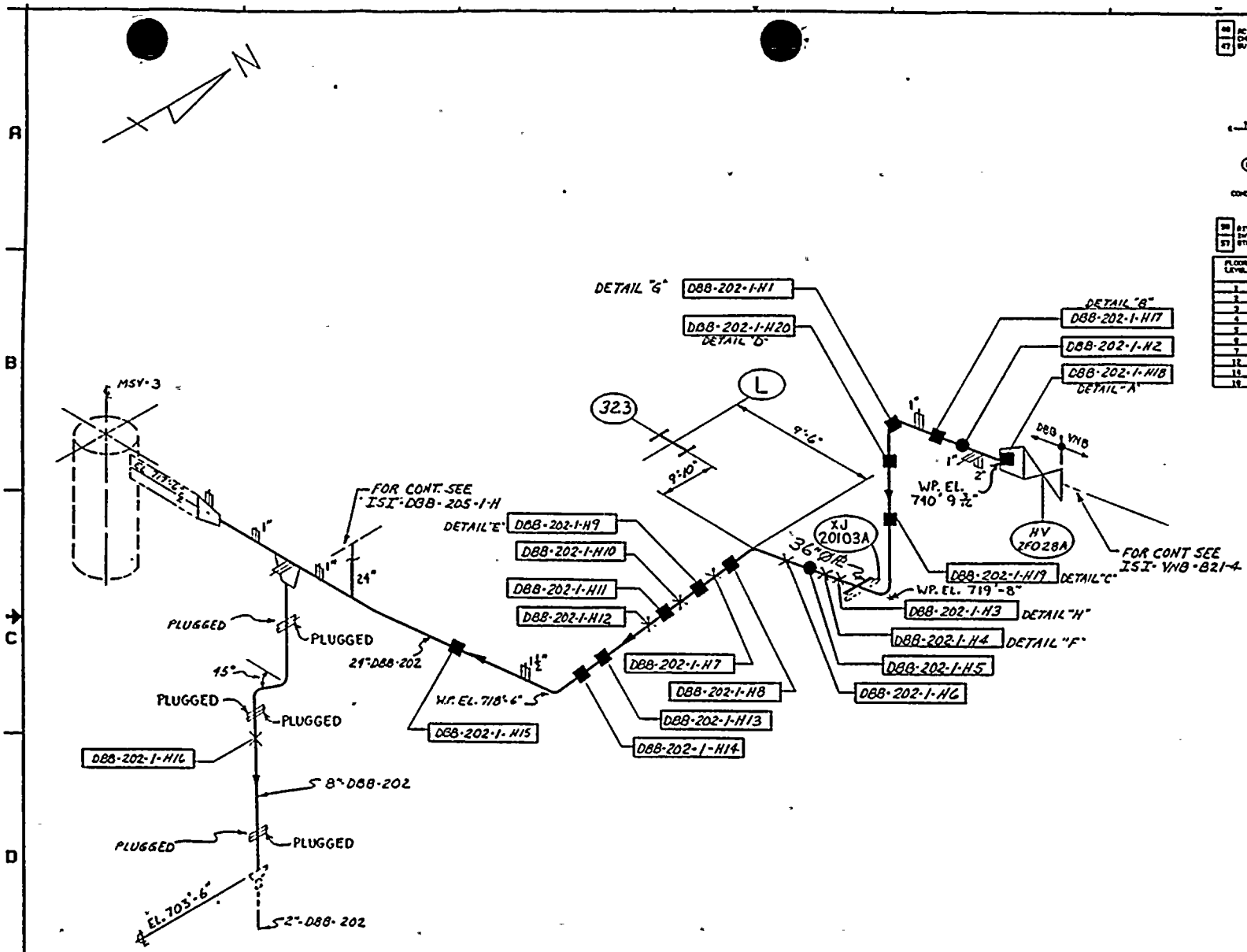
AREA | ELEV. | SCALE- NONE

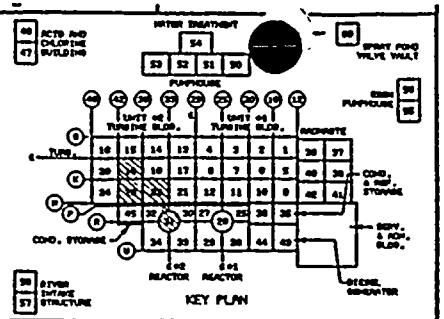
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201256 | SHEET NO. 2 | REV. NO. 0

AE DRAWING NO. ISI-DBB-201-1-H

FRACTIONAL | DECIMAL | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
15					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DBB-202-1 SH.1 (REV.7)	
DBB-202-1 SH.2 (REV.5)	
FC1-PS1-2600 SHT 1&2	
M-2101 (MAIN STM)	E-105901
M-2141 (NUC. BLR.)	E-105941
M-19-3	E-106169 SH. 3
M-22-6	E-106172 SH. 6
M-23-6	E-106173 SH. 6
M-31-4	E-106181 SH. 4
M-31-7	E-106181 SH. 7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-202-1-H

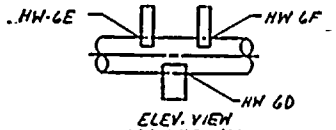
AREA 17,22,23,34 | ELEV. 714'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

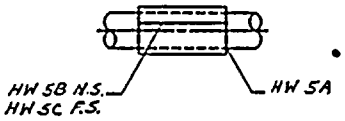
PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201257	1	0

AE DRAWING NO.
ISI-DBB-202-1-H

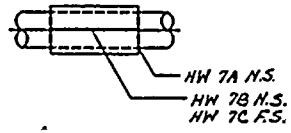
FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 | G | G | G | G | G | M | LOCATION CODES | SORTS



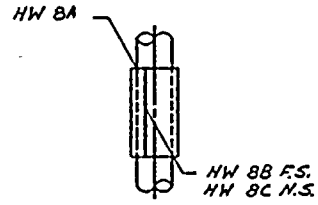
ELEV. VIEW
LOOKING NORTH
DETAIL "A"
HANGER H18



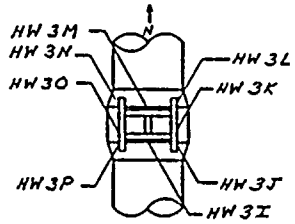
ELEV VIEW
LOOKING SOUTH
DETAIL "B"
HANGER H17



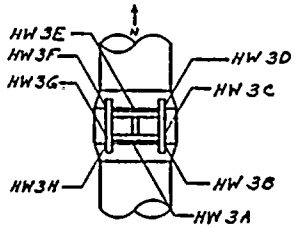
ELEV. VIEW
LOOKING NORTH
DETAIL "C"
HANGER H19



ELEV. VIEW
LOOKING NORTH
DETAIL "D"
HANGER H20

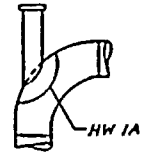


TOP VIEW

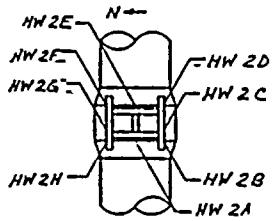


BOTTOM VIEW

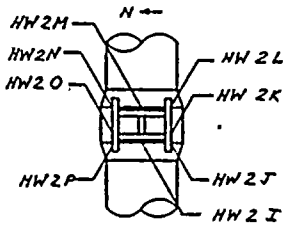
DETAIL "E"
HANGER H9



DETAIL "G"
HANGER H1

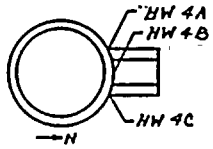


TOP VIEW

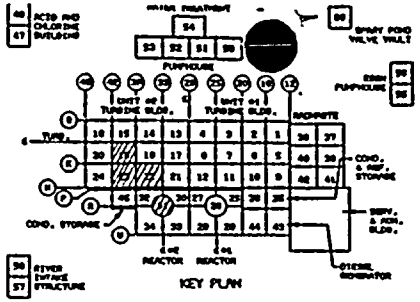


BOTTOM VIEW

DETAIL "F"
HANGER H4



DETAIL "H"
HANGER H3



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]	
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]
5	[illegible]	[illegible]			[illegible]
6	[illegible]	[illegible]			[illegible]
7		[illegible]			[illegible]
12					[illegible]
14					[illegible]
19		[illegible]			[illegible]

FOR NOTES AND REFERENCES
SEE SHEET 1.

AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]		[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-202-1-H

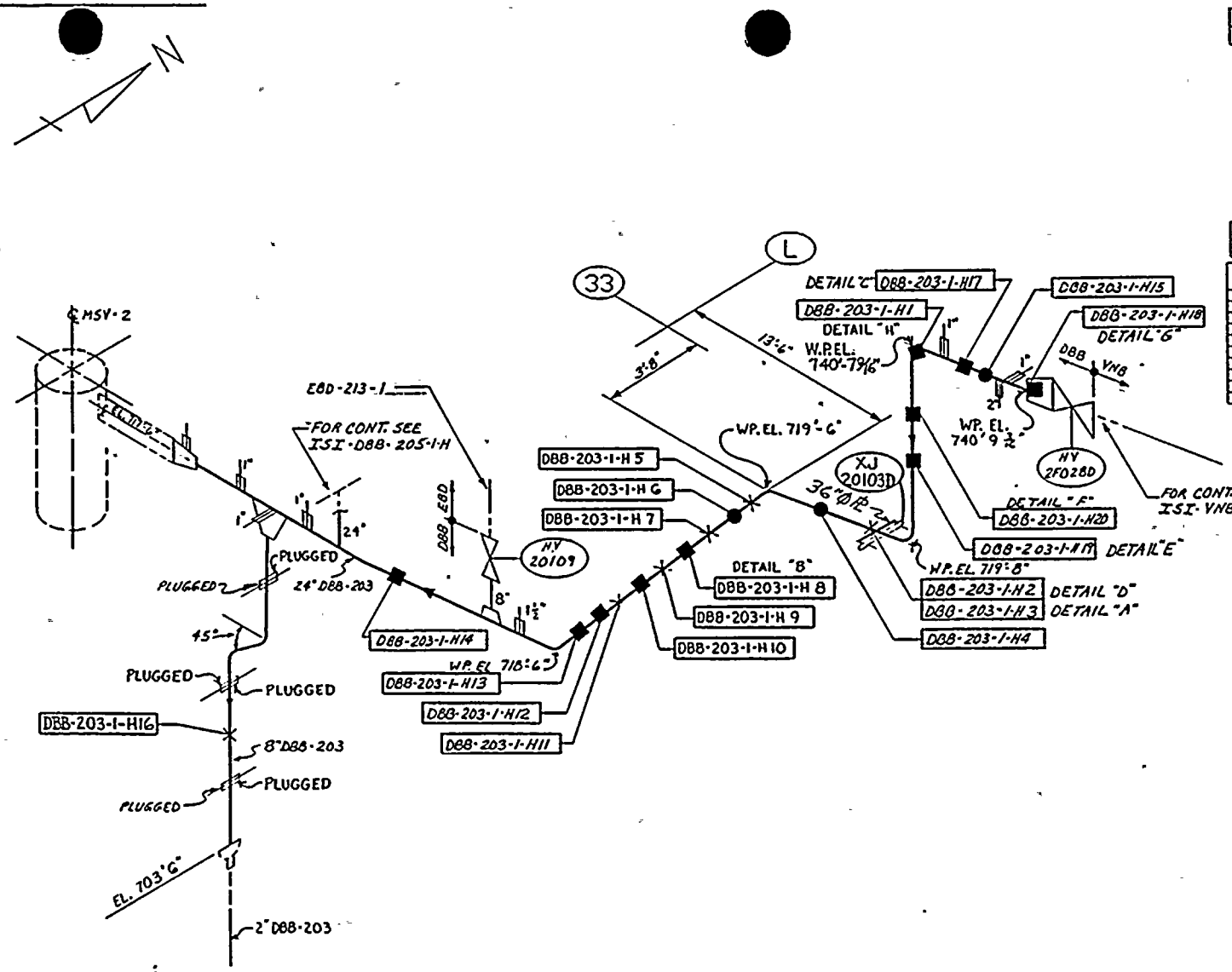
AREA 17,22,23 | ELEV. 714'-0" | SCALE- NONE

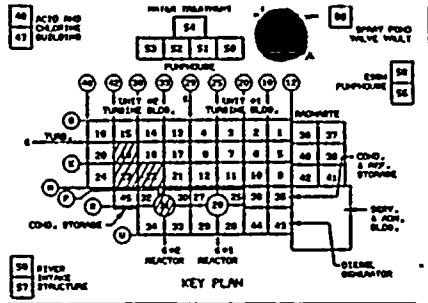
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201257	2	0

AE DRAWING NO.
ISI-DBB-202-1-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-9"	695'-9"	699'-9"	699'-9"		
2	679'-9"	676'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	697'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	723'-9"	719'-9"	691'-9"		729'-11 1/16"	719'-9"
5	743'-9"	740'-1"			732'-7 1/16"	723'-9"
6	716'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					809'-9"	797'-9"
19		799'-1"				859'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DBB-203-1 SH 2 (REV 0)	
DBB-203-1 SH. 1 (REV 5)	
FCI-P51-2G00 SH. 1 & 2	
M-2101 (MAIN STM)	E-105901
M-2141 (NUC. BLR.)	E-105941
M-19-3	E-106169 SH 3
M-22-6	E-106172 SH. 6
M-23-6	E-106173 SH 6
M-31-4	E-106181 SH. 4
M-31-7	E-106181 SH. 7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-203-1-H

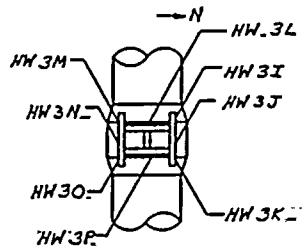
AREA 17,22,23,34 | ELEV. 714'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

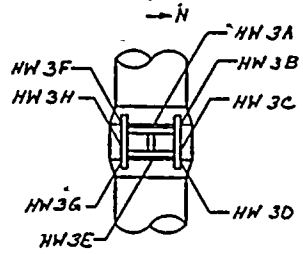
PP&L DRAWING NO. C-201258 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-203-1-H

FRACTIONAL DECIMAL LOCATION CODES SORTS

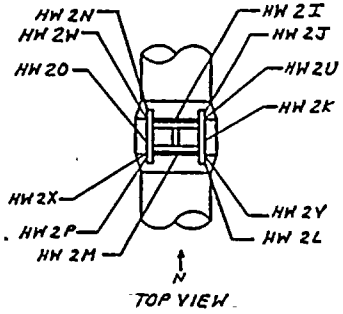


TOP VIEW

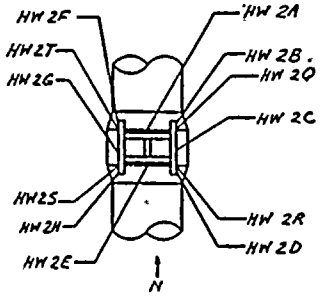


BOTTOM VIEW

DETAIL "A"
HANGER H3

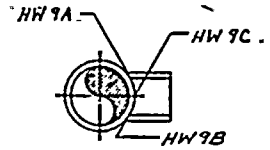


TOP VIEW

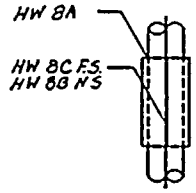


BOTTOM VIEW

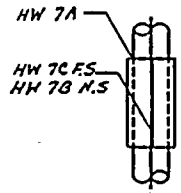
DETAIL "B"
HANGER H8



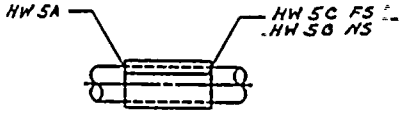
ELEV. VIEW
LOOKING EAST
DETAIL "D"
HANGER H2



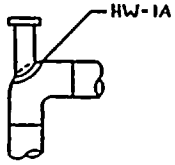
ELEV. VIEW
LOOKING SOUTH
DETAIL "E"
HANGER 19



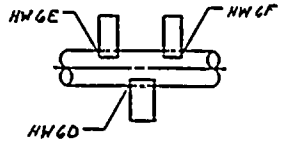
ELEV. VIEW
LOOKING NORTH
DETAIL "F"
HANGER H20



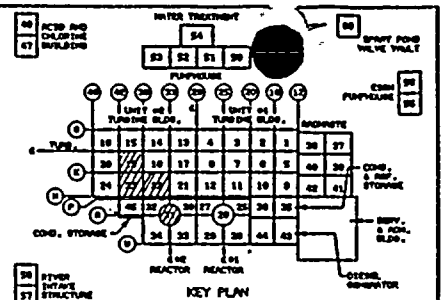
ELEV. VIEW
LOOKING NORTH
DETAIL "C"
HANGER H17



DETAIL "H"
HANGER H1



ELEV. VIEW
LOOKING NORTH
DETAIL "G"
HANGER H18



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	AUXILIARY BLDG. EL.	DIESEL GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-0"	699'-0"	699'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	714'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	714'-0"	719'-1"	699'-0"
4	729'-0"	713'-0"	691'-0"		726'-11 1/4"	714'-0"
5	749'-0"	749'-1"			733'-2 1/4"	729'-0"
6	714'-0"	779'-1"			779'-1"	749'-0"
7		818'-1"				764'-0"
12					781'-1"	771'-0"
14					809'-0"	793'-0"
19		798'-1"				829'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FOR NOTES AND REFERENCES SEE SHEET 1.

AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-203-1-H

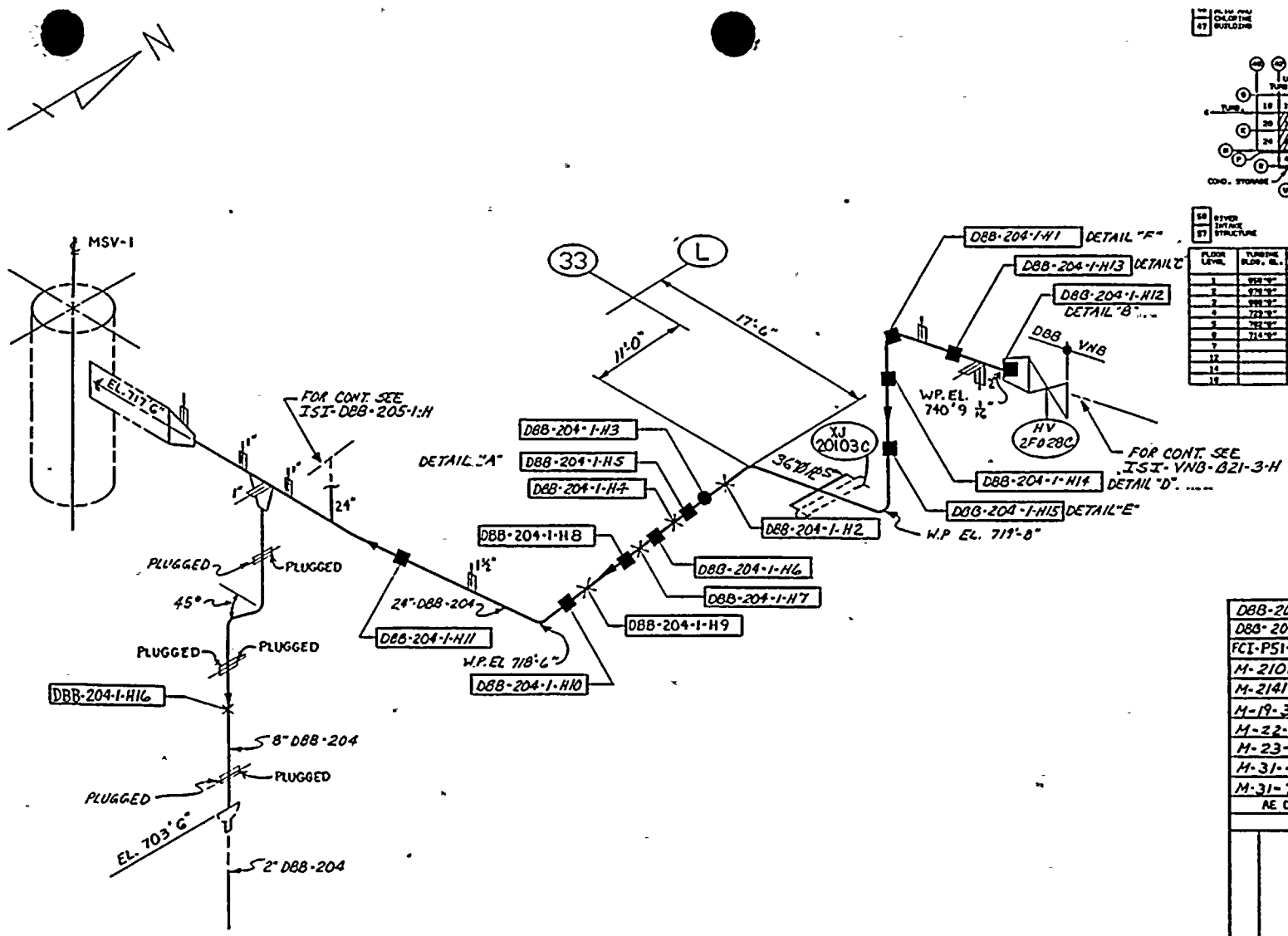
AREA 1/22,23N | ELEV. 714'-0" | SCALE- NONE

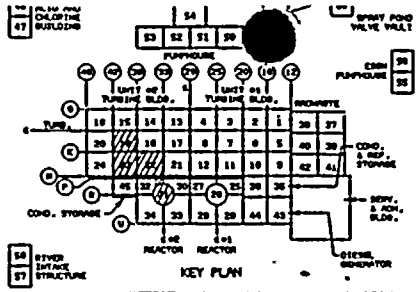
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201258 | SHEET NO. 2 | REV. NO. 0

AE DRAWING NO. ISI-DBB-203-1-H

FRACTIONAL | DECIMAL | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	959'-9"	955'-9"	949'-9"	959'-9"		
2	879'-9"	879'-9"	898'-9"	877'-9"	754'-9"	879'-9"
3	999'-9"	993'-9"	879'-9"	719'-9"	719'-1"	999'-9"
4	733'-9"	713'-9"	881'-9"		739'-11 1/4"	713'-9"
5	763'-9"	749'-1"			763'-11 1/4"	733'-9"
6	714'-9"	779'-1"			779'-1"	763'-9"
7		819'-1"				714'-9"
12					781'-1"	771'-9"
14					999'-9"	793'-9"
19		799'-1"				999'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DBB-204-1 SH. 1(REV 7)	
DBB-204-1 SH. 2(REV 5)	
FCI-P51-2600 SH. 1 & 2	
M-2101 (MAIN STM)	E-105901
M-2141 (NUC BLR)	E-105941
M-19-3	E-106169 SH. 3
M-22-6	E-106172 SH. 6
M-23-6	E-106173 SH. 6
M-31-4	E-106181 SH 4
M-31-7	E-106181 SH. 7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

HANGER IDENTIFICATION

ISI-DBB-204-1-H

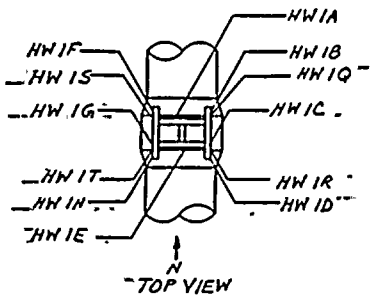
AREA 1722.2331 | ELEV. 714'-0" | SCALE- NONE

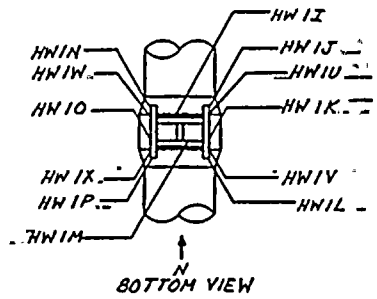
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201259 | SHEET NO. 1 | REV. NO. 0

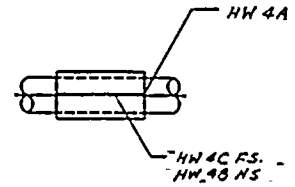
AE DRAWING NO. ISI-DBB-204-1-H

FRACTIONAL | DECIMAL | LOCATION CODES | SORTS



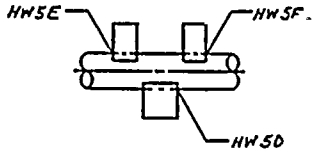


DETAIL "A"
HANGER H5

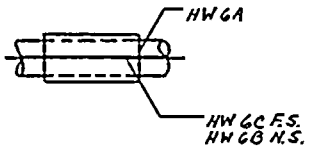


ELEV. VIEW
LOOKING WEST

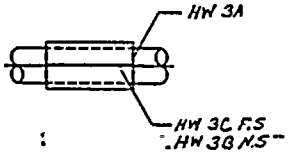
DETAIL "D"
HANGER H14



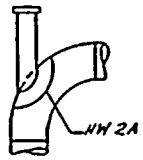
ELEV. VIEW
LOOKING NORTH
DETAIL "B"
HANGER H12



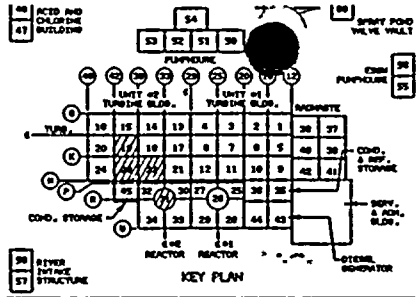
ELEV. VIEW
LOOKING NORTH
DETAIL "E"
HANGER H15



ELEV. VIEW
LOOKING NORTH
DETAIL "C"
HANGER H13



DETAIL "F"
HANGER H1



KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	SPYWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-9"	995'-9"	999'-9"	999'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	794'-9"	979'-9"
3	999'-9"	992'-9"	979'-9"	719'-9"	719'-1"	999'-9"
4	739'-9"	719'-9"	991'-9"		739'-11 1/4"	719'-9"
5	759'-9"	749'-1"			759'-2 1/4"	739'-9"
6	719'-9"	779'-1"			779'-1"	749'-9"
7		919'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	789'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FOR NOTES AND REFERENCES SEE SHEET 1.

AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-204-1-H

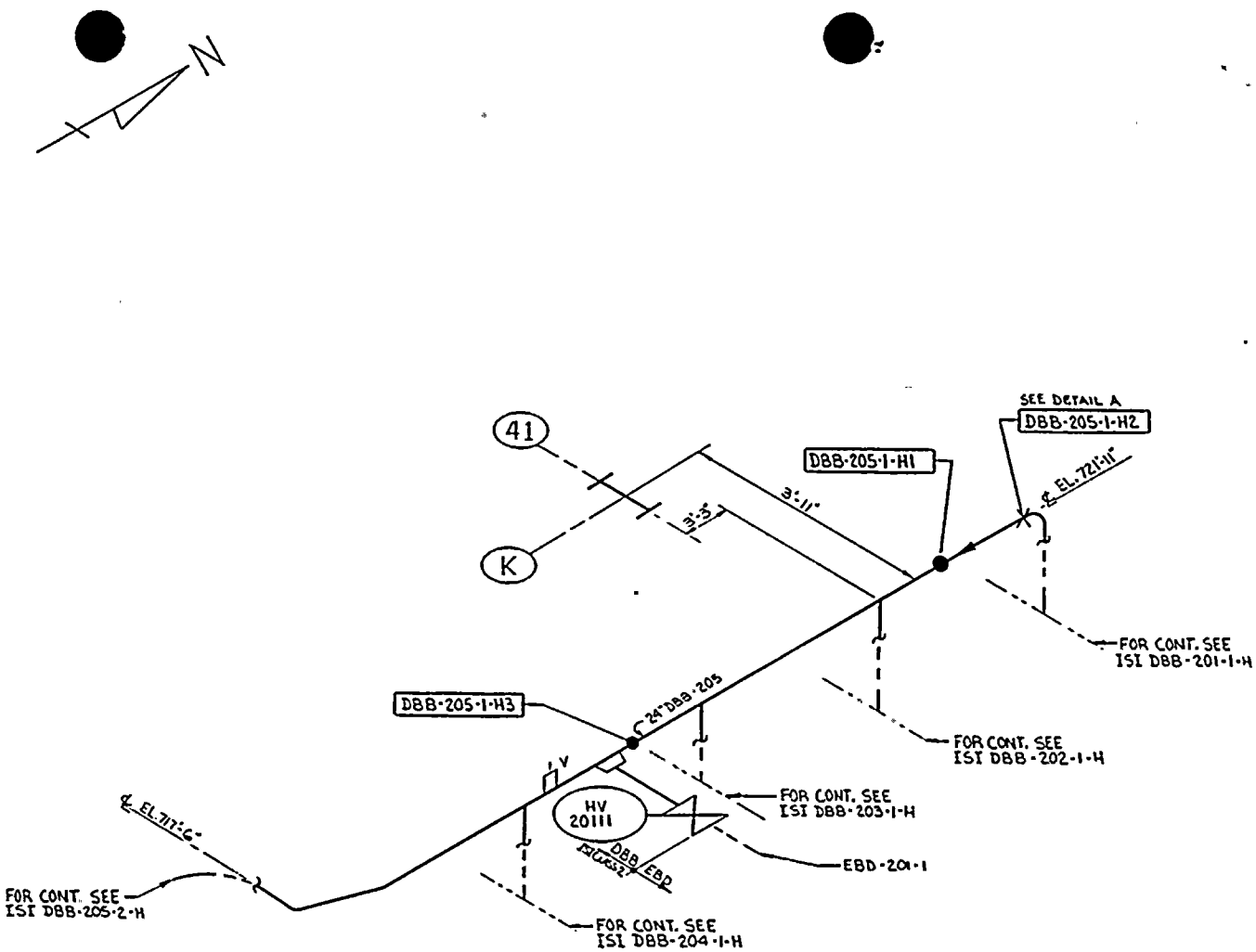
AREA 19,22,23,31 | ELEV. 714'-0" | SCALE- NONE

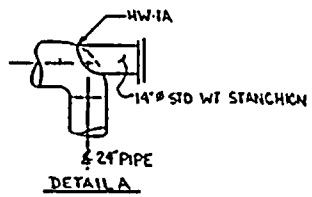
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201259	2	0

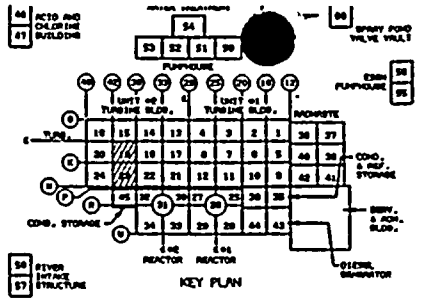
AE DRAWING NO.
ISI-DBB-204-1-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | G | G | G | G | M | LOCATION CODES | SORTS





DETAIL A



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORITE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	958'-0"	895'-0"	899'-0"	990'-0"		
2	878'-0"	874'-0"	890'-0"	877'-0"	794'-0"	874'-0"
3	899'-0"	853'-0"	874'-0"	719'-0"	718'-1"	888'-0"
4	723'-0"	718'-0"	881'-0"		738'-11½"	714'-0"
5	792'-0"	749'-1"			752'-2½"	728'-0"
6	714'-0"	779'-1"			778'-1"	741'-0"
7		818'-1"				754'-0"
12					781'-1"	771'-0"
14					808'-0"	791'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2600 SH.4	
DBB-205-1 (REV.4)	
M-23-6	E-106173 SH.6
M-19-3	E-106169 SH.3
M-2101 (MAIN STEAM)	E-105901 SH 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-205-1-H

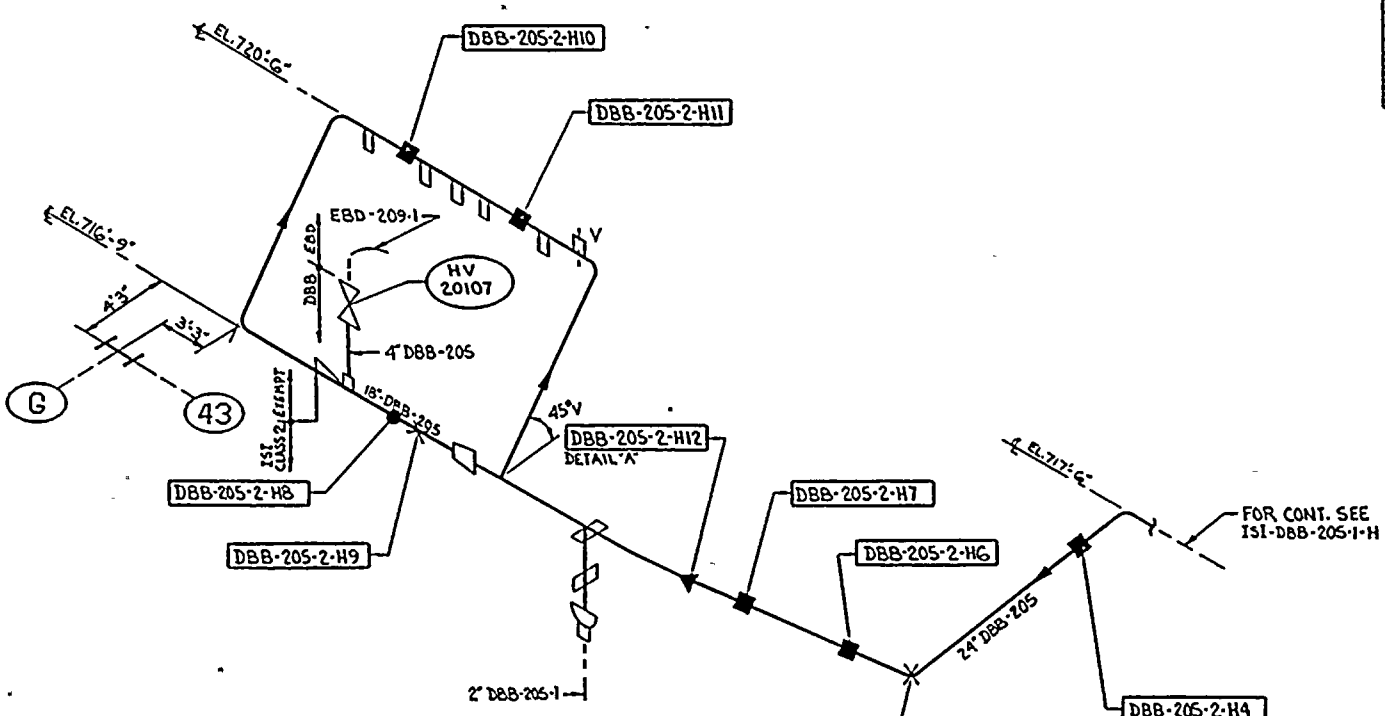
AREA 19423 | ELEV. 699'-0" | SCALE- NONE

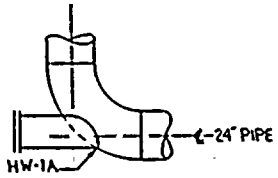
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201260	1	0

AE DRAWING NO.
ISI-DBB-205-1-H

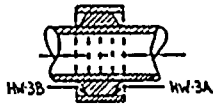
FRACTIONAL · DECIMAL · G 2 2 2 0 · LOCATION CODES · SORTS





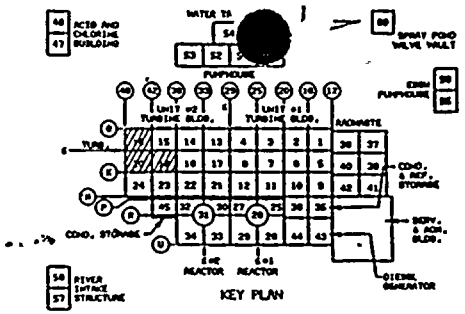
DETAIL "C"

HANGER H-5 (1)



DETAIL "A"

HANGER H-12 (1)



KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	645'-9"	649'-0"	660'-0"		
2	679'-9"	679'-9"	690'-0"	677'-0"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	718'-0"	719'-1"	694'-9"
4	727'-9"	719'-9"	691'-9"		729'-11¼"	719'-9"
5	752'-9"	744'-1"			752'-2¼"	729'-9"
6	719'-0"	777'-1"			779'-1"	743'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					808'-9"	792'-9"
16		799'-1"				808'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DBB-205-2 (REV. 4)	
M-2101 (MAIN STEAM)	E-105901 SH.1
M-16-3	E-106166 SH.3
M-19-3	E-106169 SH.3
M-20-3	E-106170 SH.3
FCI-PSI-2600 SH.4	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
1	INCORP. DCN 10 (85-4091)					
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

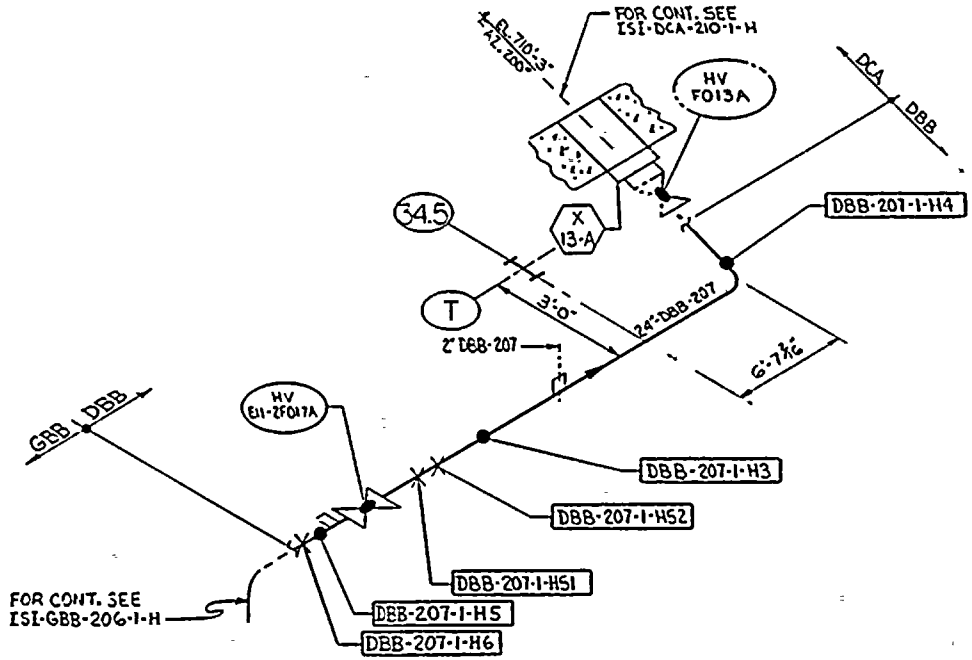
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-205-2-H

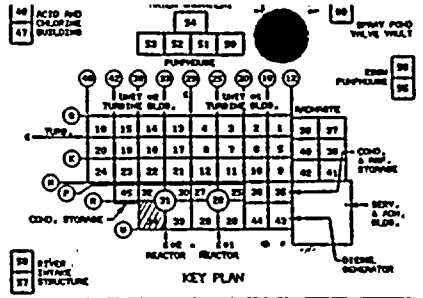
AREA K,19,20 | ELEV. 714'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201261 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-DBB-205-2-H





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	929'-9"	895'-9"	949'-9"	990'-9"		
2	879'-9"	879'-9"	999'-9"	977'-9"	794'-9"	879'-9"
3	899'-9"	893'-9"	879'-9"	719'-9"	719'-1"	899'-9"
4	779'-9"	719'-9"	991'-9"		739'-11½"	714'-9"
5	792'-9"	749'-1"			752'-2½"	779'-9"
6	714'-9"	779'-1"			779'-1"	791'-9"
7		819'-1"				754'-9"
12					791'-1"	711'-9"
14					809'-9"	792'-9"
18		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2151	E-105951 SH.2(REV.16)
M-34-3	E-106184 SH.3
DBB-207-1 (REV.3)	
FCI-PSI-2843 (REV.3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-207-1-H

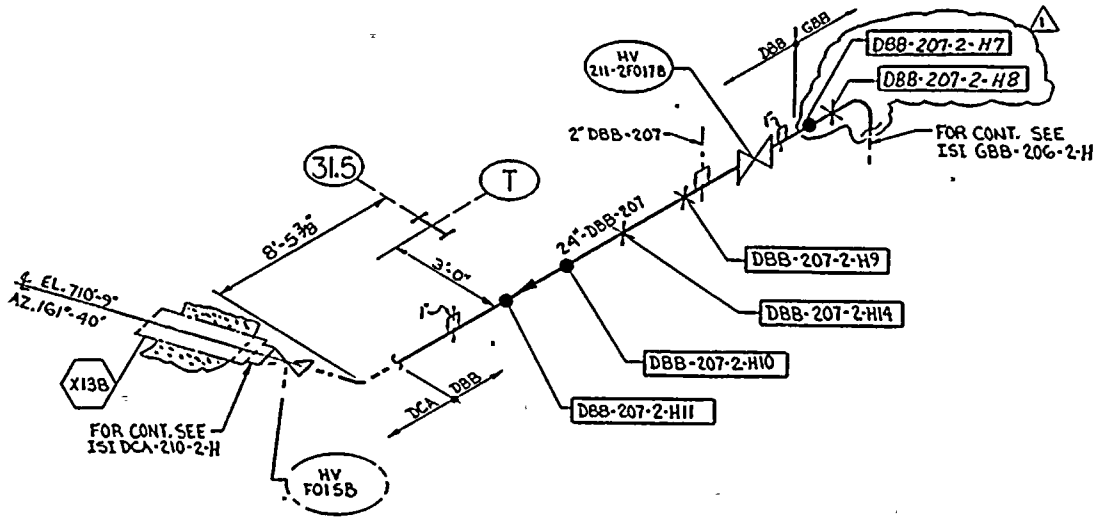
AREA 34 | ELEV. 683'-0" | SCALE- NONE

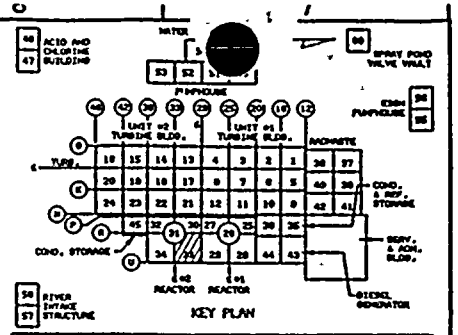
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201262 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-207-1-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	676'-9"	645'-9"	646'-9"	688'-9"		
2	679'-9"	679'-9"	690'-9"	677'-9"	704'-9"	679'-9"
3	688'-9"	693'-9"	679'-9"	718'-9"	718'-1"	688'-9"
4	729'-9"	719'-9"	691'-9"		729'-11 1/4"	714'-9"
5	742'-9"	749'-1"			732'-2 1/4"	729'-9"
6	754'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					808'-9"	792'-9"
16		799'-1"				808'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-33-3	E-106183 SH.3
M-2151 (RHR)	E-105951 SH.2
DBB-207-2 (REV.2)	
FCI-PSI-2846	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
1	INCORP. DCN 10 (85-4285).	S	HJ		4/23/86
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

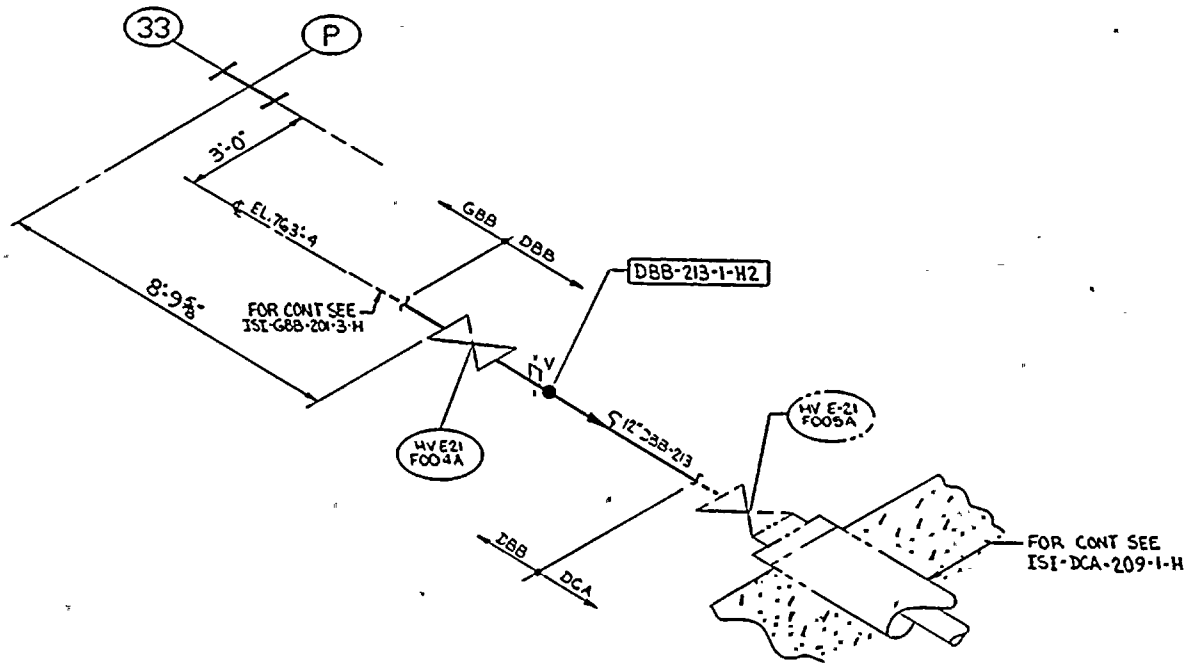
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-207-2-H

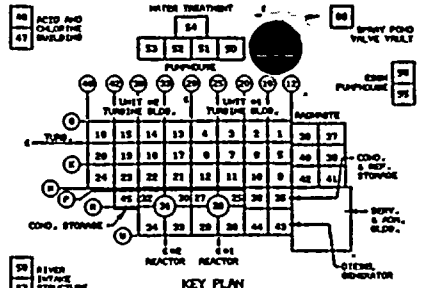
AREA 33 | ELEV. 683'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201263 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-DBB-207-2-H





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-9"	999'-9"	999'-9"	999'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	994'-9"	979'-9"
3	979'-9"	992'-9"	979'-9"	749'-9"	719'-1"	999'-9"
4	722'-9"	719'-9"	991'-9"		779'-11 1/2"	719'-9"
5	792'-9"	749'-1"			752'-2 1/2"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					781'-1"	771'-9"
14					999'-9"	792'-9"
19		799'-1"				999'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DBB-213-1 (REV 3)	
M-32-5	E-106182 SH.5
FCI-PSI-2833	
M-2152 (CORE SPRAY)	E-105952 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-213-1-H

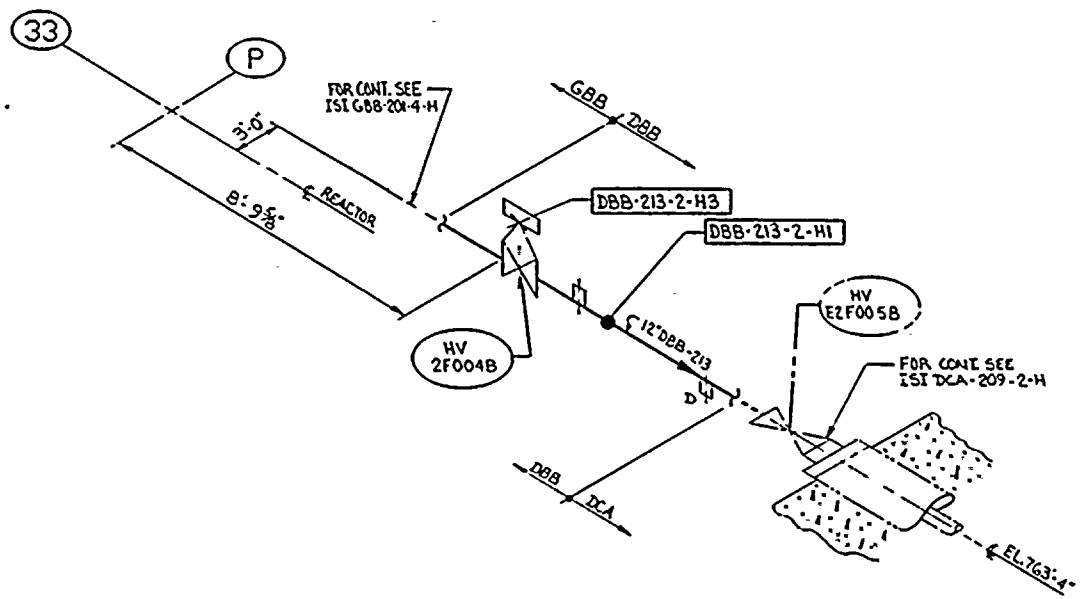
AREA 32 | ELEV. 749'-1" | SCALE- NONE

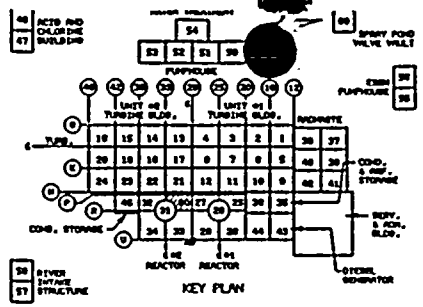
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201265 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-213-1-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPRAYHILL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-3"	698'-3"	698'-3"	698'-3"		
2	679'-3"	679'-3"	699'-3"	677'-3"	704'-3"	679'-3"
3	699'-3"	692'-3"	679'-3"	718'-3"	719'-1"	698'-3"
4	720'-3"	719'-3"	692'-3"		738'-11 1/2"	714'-3"
5	732'-3"	749'-1"			752'-3 1/2"	732'-3"
6	714'-3"	779'-1"			779'-1"	751'-3"
7		818'-1"				754'-3"
12					781'-1"	771'-3"
15					804'-3"	793'-3"
19		799'-1"				809'-3"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2835	
M-30-5	E-106180 SH.5
M-215Z (CORE SPRAY)	E-105952 SH.1
DBB-213-2 (REV.3)	
AE DRAWING NO.	PPL DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-DBB-213-2-H

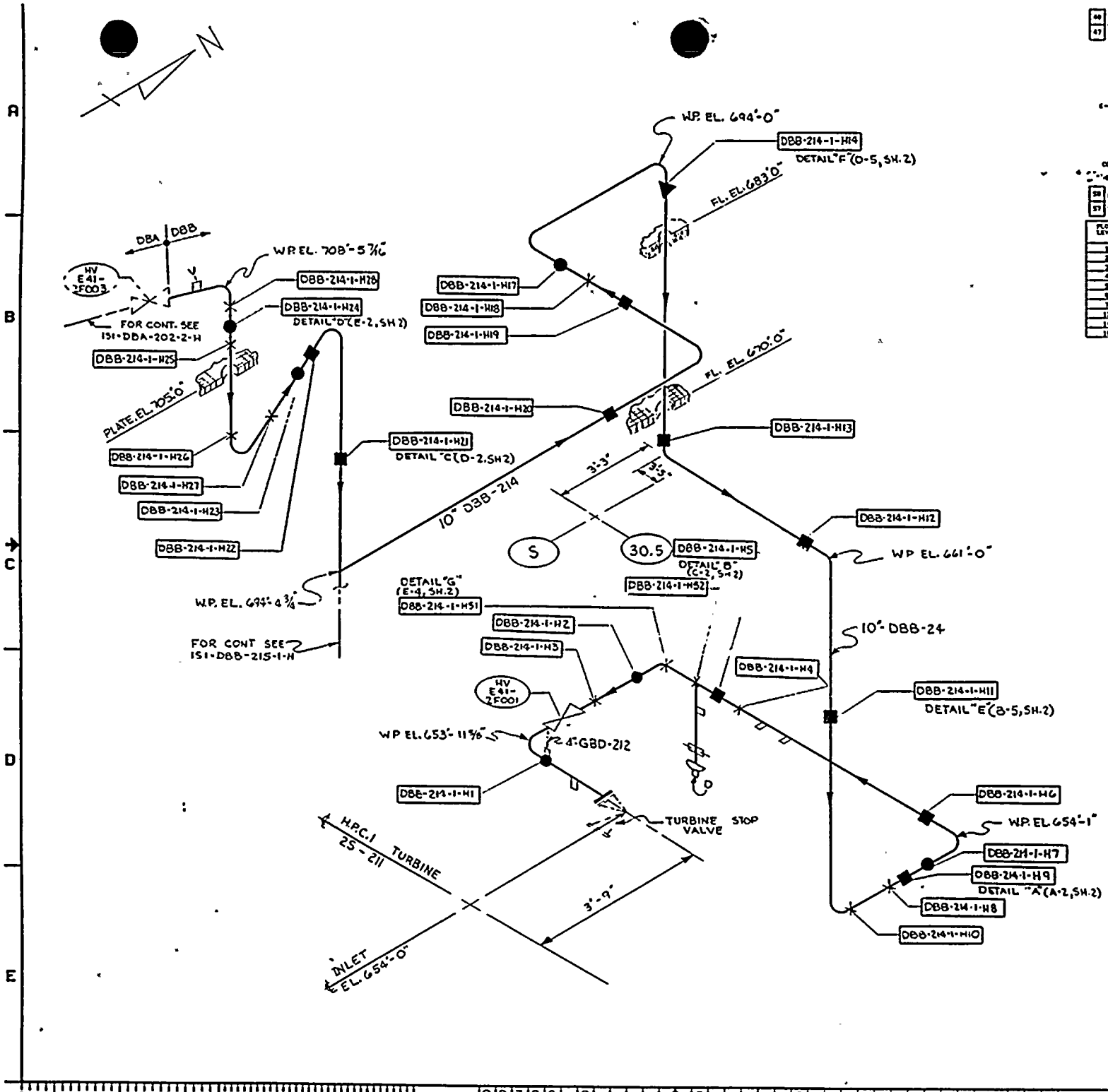
AREA 30 | ELEV. 749'-1" | SCALE- NONE

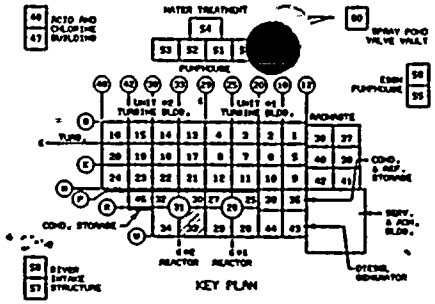
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PPL DRAWING NO. C-201266 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-213-2-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORITE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	655'-0"	646'-0"	660'-0"		
2	679'-0"	679'-0"	668'-0"	677'-0"	704'-0"	670'-0"
3	695'-0"	692'-0"	679'-0"	718'-0"	719'-1"	688'-0"
4	723'-0"	718'-0"	691'-0"		729'-11 1/2"	714'-0"
5	742'-0"	744'-1"			752'-2 1/2"	723'-0"
6	754'-0"	773'-1"			773'-1"	741'-0"
7		818'-1"				754'-0"
12					781'-1"	772'-0"
14					808'-0"	792'-0"
18		798'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DBB-214-1 (REV 4)	
FCI P51 2820	
M-2155 (HPCI)	E-105955
M-33-3	E-106183 SH.3
M-33-2	E-106183-SH.2
M-33-1	E-106183-SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0.	INITIAL ISSUE	DWD	JEA	MS. Remarks	4/1

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-214-1-H

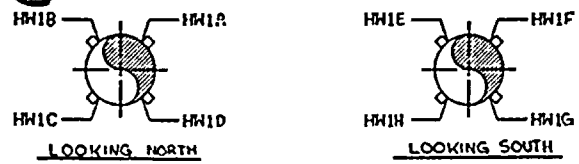
AREA 33 | ELEV. 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

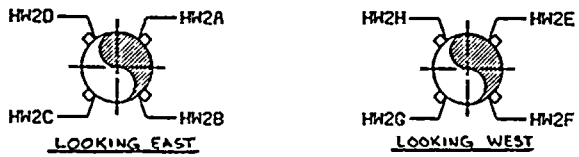
PP&L DRAWING NO. C-201267 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-214-1-H

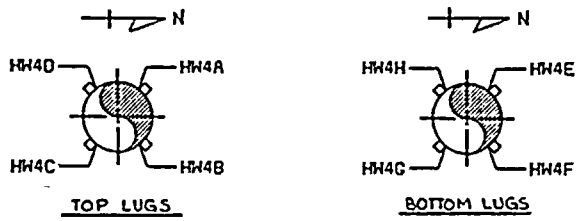
FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 | LOCATION CODES | M SORTS



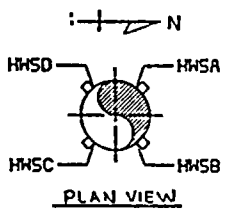
HANGER H-9
DETAIL "A"
(E-6, SH 1)



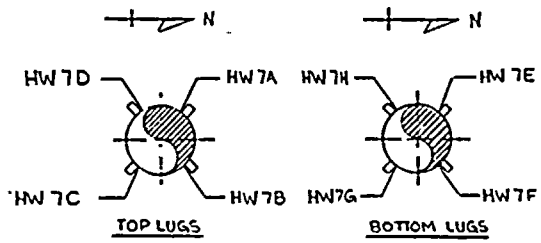
HANGER H-5
DETAIL "B"
(C-4, SH.1)



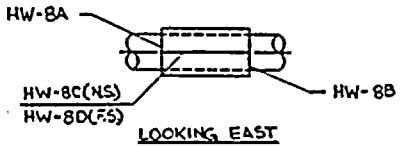
HANGER H-21
DETAIL "C"
(C-2, SH.1)



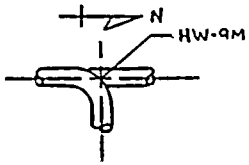
HANGER H-24
DETAIL "D"
(B-2, SH.1)



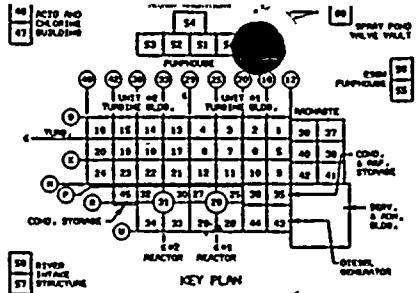
HANGER H-11
DETAIL "E"
(D-5, SH 1)



HANGER H-14
DETAIL "F"
(A-5, SH.1)



HANGER H-51
DETAIL "G"
(C-3, SH.1)



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	558'-0"	545'-0"	544'-0"	555'-0"		
2	574'-0"	570'-0"	599'-0"	577'-0"	704'-0"	676'-0"
3	599'-0"	593'-0"	574'-0"	719'-0"	719'-1"	698'-0"
4	723'-0"	718'-0"	591'-0"		728'-11 1/2"	714'-0"
5	742'-0"	749'-1"			752'-2 1/2"	723'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	792'-0"
19		779'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	DLK	PD	JA MCS	1/6/81

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-214-1-H

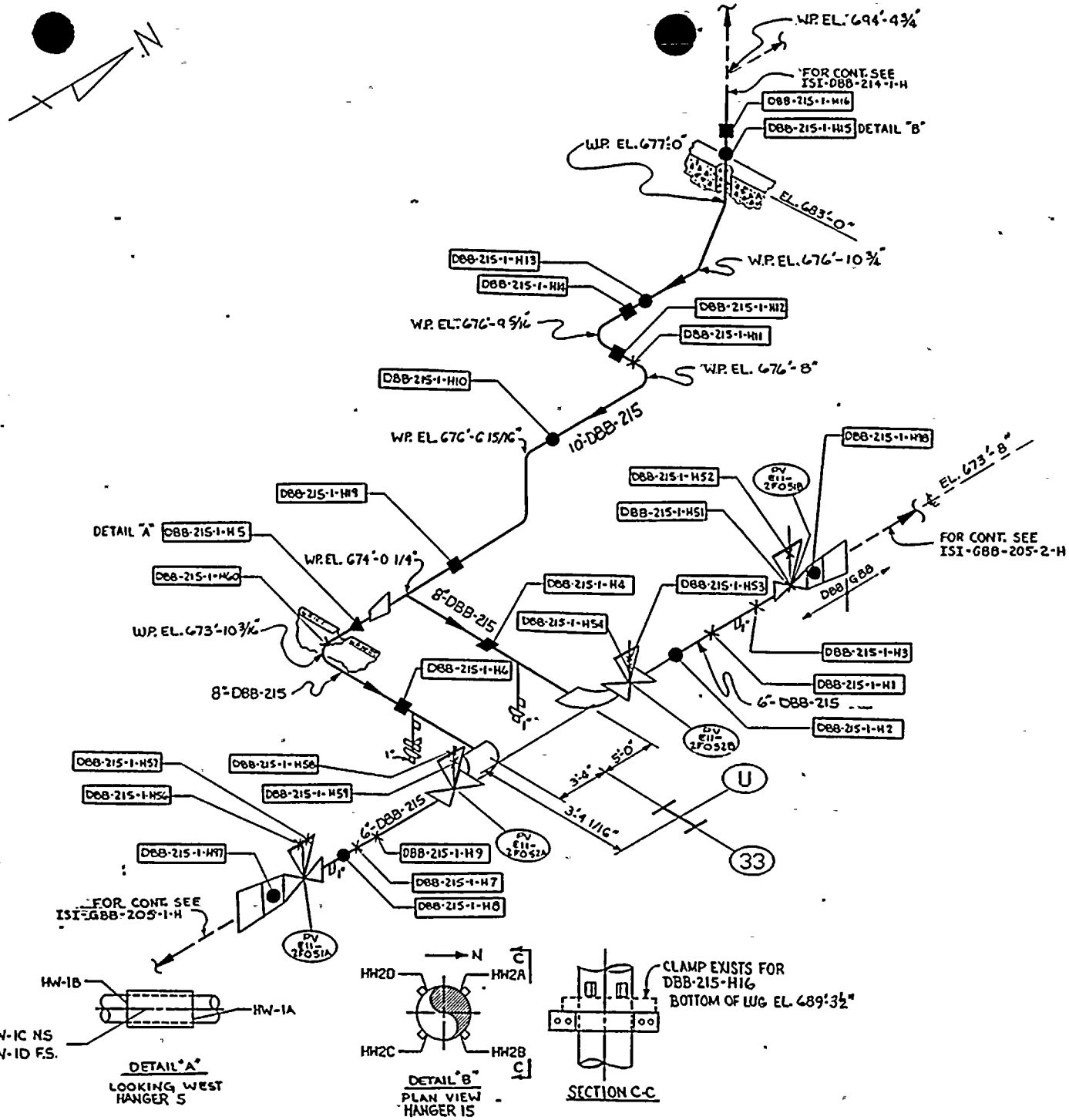
AREA 33 | ELEV. 645'-0" | SCALE- NONE

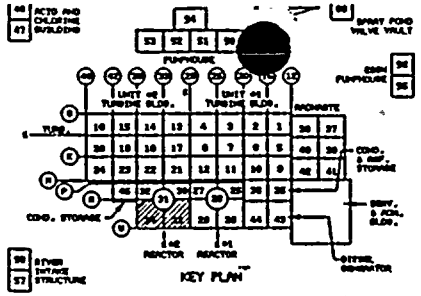
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201267	2	0

AE DRAWING NO.
ISI-DBB-214-1-H

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	PRIMARY BLDG. EL.	STEAM GENERATOR EL.	SHIELD REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DBB-215-1 (REV 5)	
FCI-PSI-2862	
M-2151 (RHR)	E-105951
M-33-3	E-106183 SH.3
M-33-2	E-106183 SH 2
M-34-2	E-106184 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

HANGER IDENTIFICATION

ISI-DBB-215-1-H

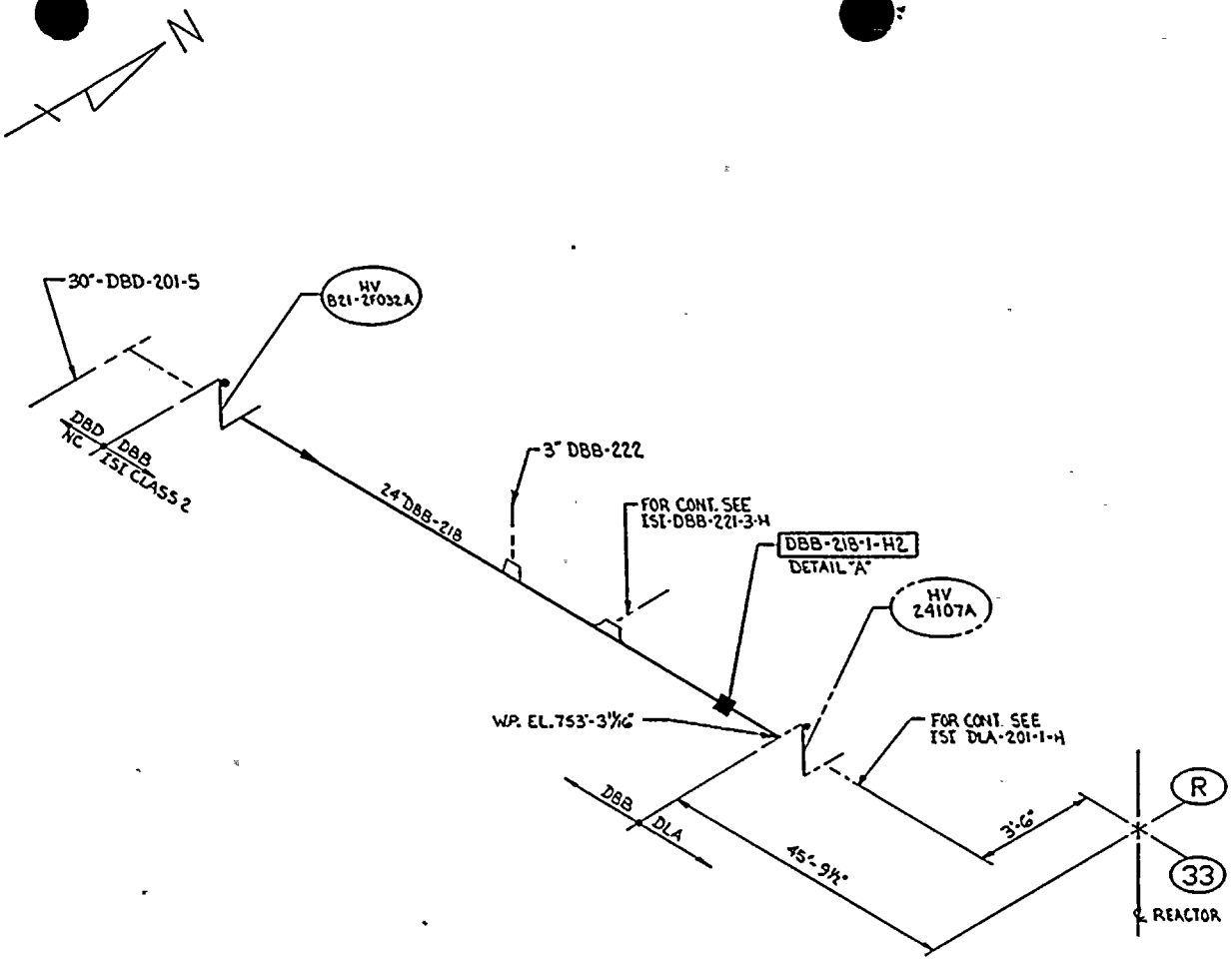
AREA 33,34 | ELEV. 670'-0" | SCALE- NONE

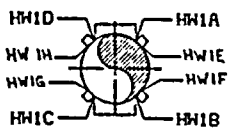
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201268 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-215-1-H

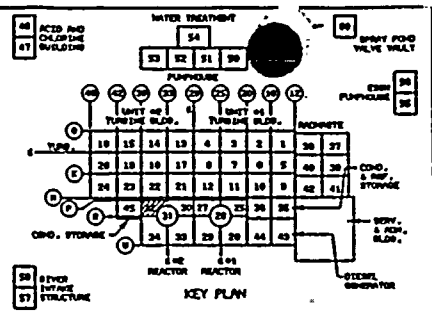
FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





LOOKING WEST

DETAIL "A"



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	998'-9"	995'-9"	998'-9"	999'-9"		
2	979'-9"	979'-9"	998'-9"	977'-9"	793'-9"	973'-9"
3	999'-9"	992'-9"	979'-9"	719'-9"	719'-1"	998'-9"
4	779'-9"	719'-9"	721'-9"		779'-11 1/4"	719'-9"
5	792'-9"	799'-1"			752'-3 1/4"	779'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		919'-1"				734'-9"
12					791'-1"	771'-9"
14					898'-9"	793'-9"
19		799'-1"				898'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PS1-2655	
DBB-218-1 (REV.5)	
M-32-5	E-106181 SH 5
M-2141 (NCLR. BLR)	E-105941 SH. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				4/1/83

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-DBB-218-1-H

AREA 32	ELEV. 749'-1"	SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

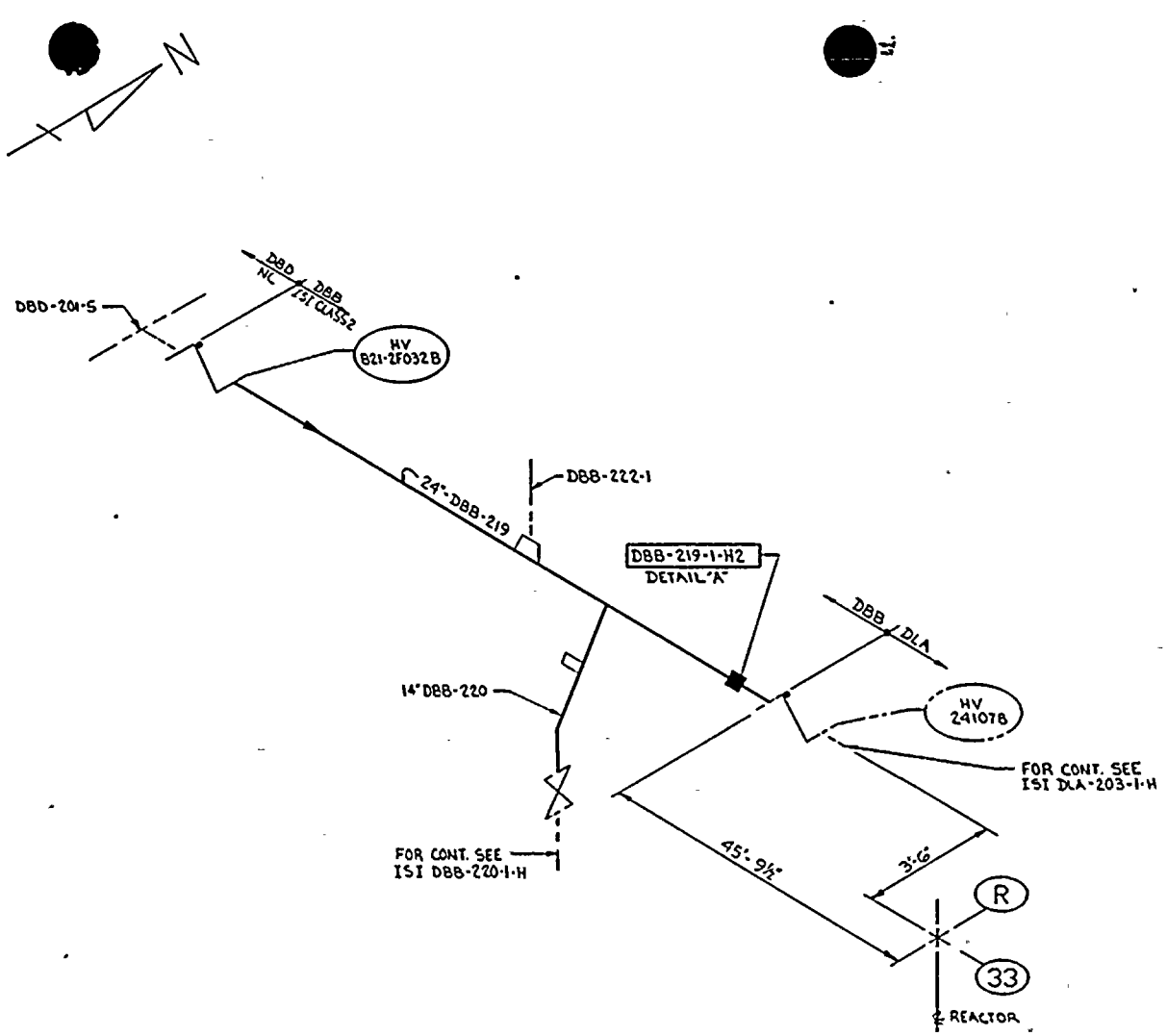
PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201270	1	0

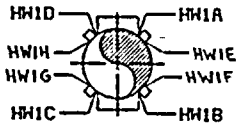
AE DRAWING NO. ISI-DBB-218-1-H

FRACTIONAL 0 1 2 DECIMAL 2 1 0

G 2 2 2 0 G G G G G G M

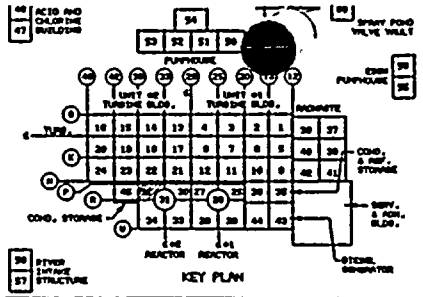
LOCATION CODES SORTS





LOOKING WEST

DETAIL "A"



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
15					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PS1-2655	
DBB-219-1 (REV 5)	
M-2141 (NCLR BLR)	E-105941
M-32-5	E-106182 SH 5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

HANGER IDENTIFICATION

ISI-DBB-219-1-H

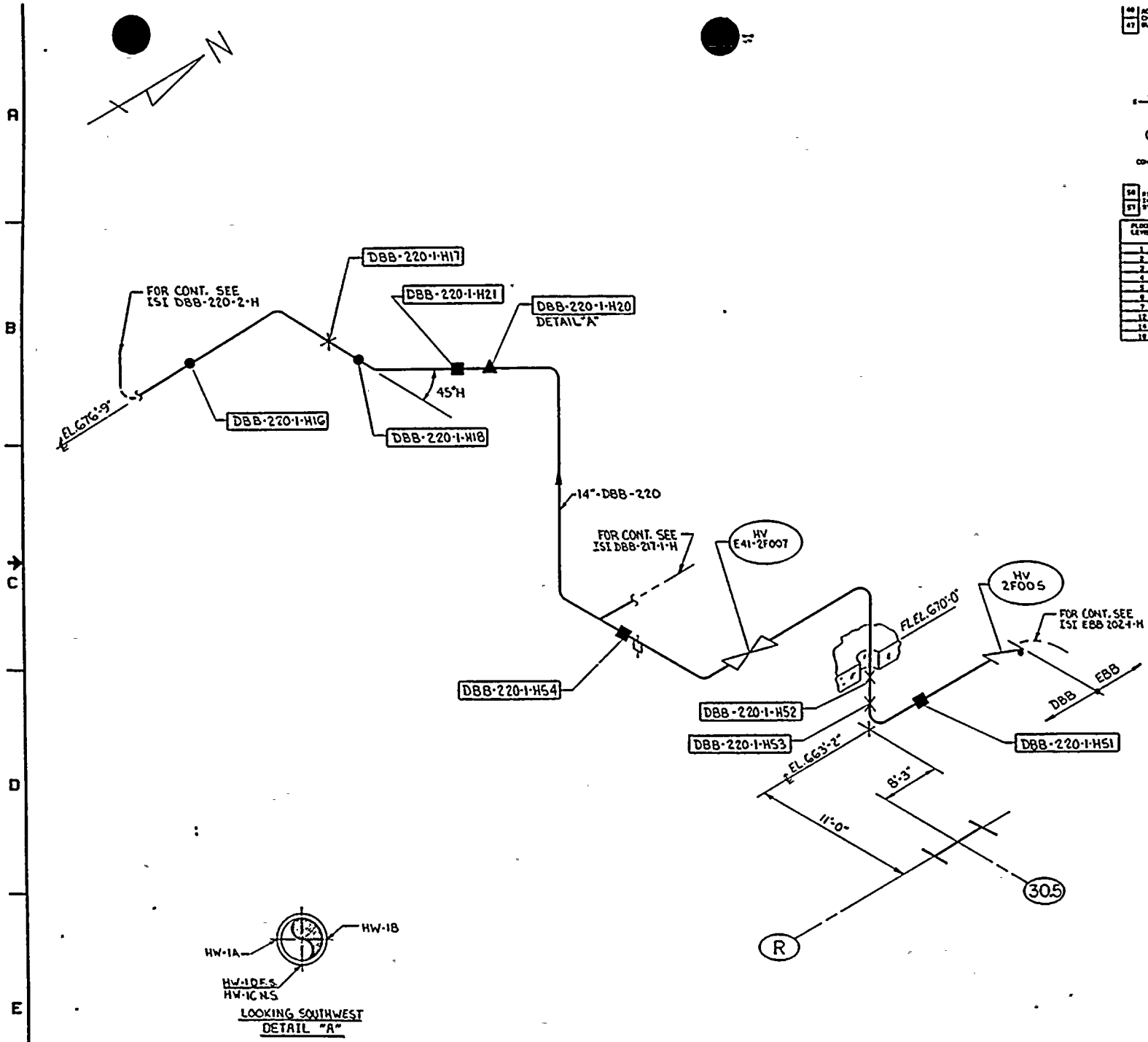
AREA 32 | ELEV. 749'-1" | SCALE- NONE

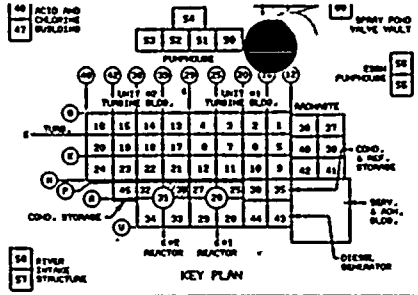
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201271 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-219-1-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-9"	999'-9"	999'-9"	999'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	794'-9"	979'-9"
3	999'-9"	993'-9"	979'-9"	719'-9"	719'-1"	999'-9"
4	739'-9"	713'-9"	991'-9"		739'-11 1/2"	714'-9"
5	792'-9"	749'-1"			752'-7 1/2"	739'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	793'-9"
19		779'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2838	
DBB-220-1 (REV.5)	
M-30-2	E-106180 SH.2
M-30-1	E-106180 SH.1
M-2155 (HPCI)	E-105955 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				6/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-DBB-220-1-H

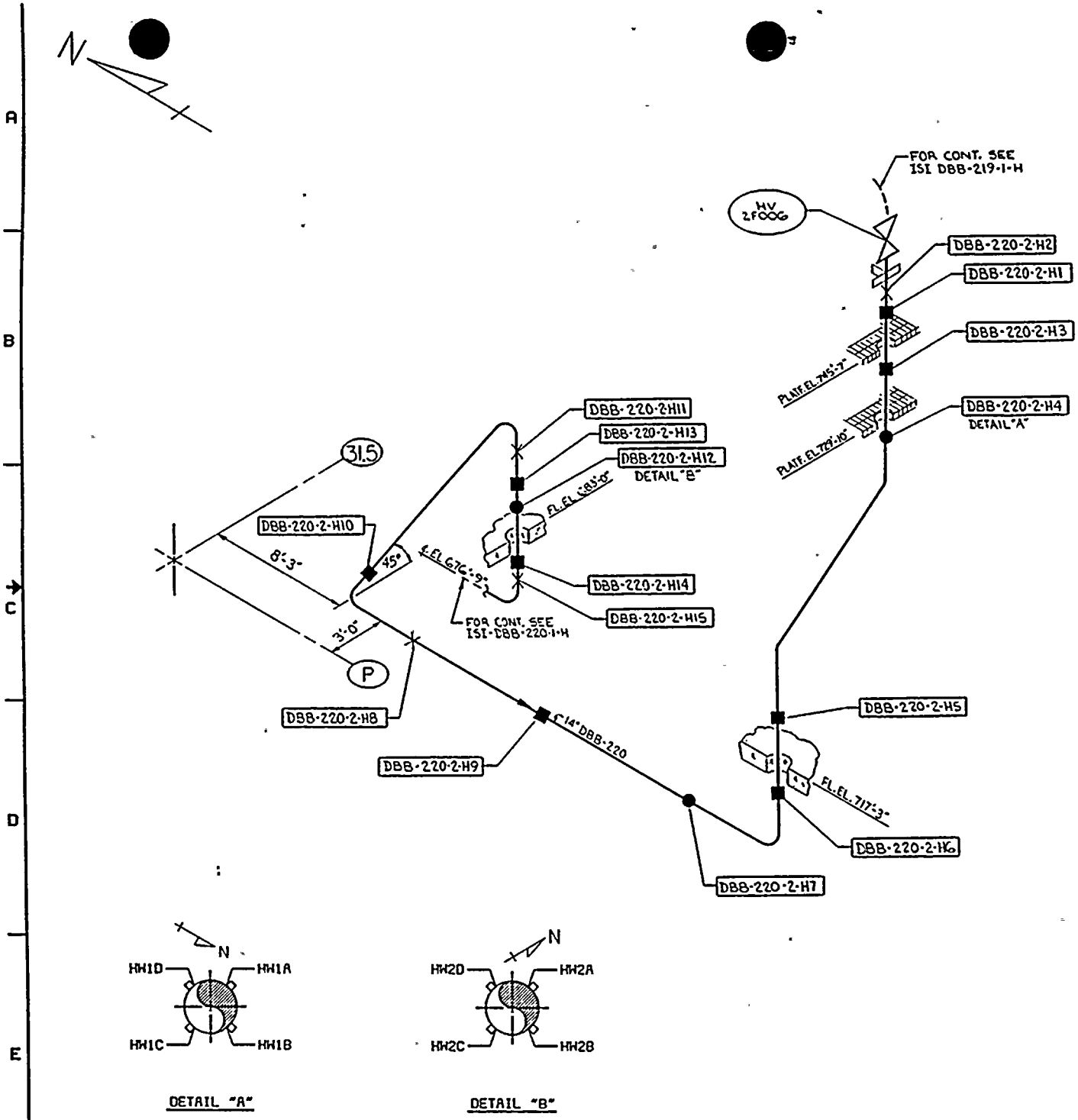
AREA 30 | ELEV. 645'-0" | SCALE- NONE

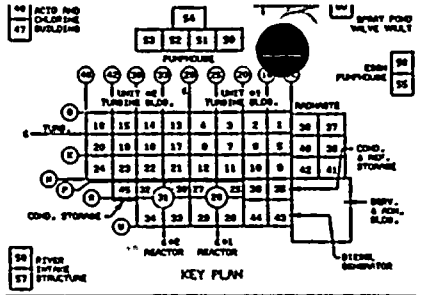
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201272 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-220-1-H

FRACTIONAL DECIMAL LOCATION CODES SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPRAYALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	599'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	599'-0"	677'-0"	701'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	718'-0"	718'-1"	699'-0"
4	729'-0"	718'-0"	693'-0"		729'-11 1/4"	714'-0"
5	732'-0"	749'-1"			732'-2 1/4"	729'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	793'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-31-7	E-106181 SH.7
M-31-4	E-106181 SH.4
M-30-3	E-106180 SH.3
M-30-2	E-106180 SH.2
M-2155 (HPCI)	E-105955
DBB-220-2 (REV. 2)	
FCI-PSI-2838	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-DBB-220-2-H

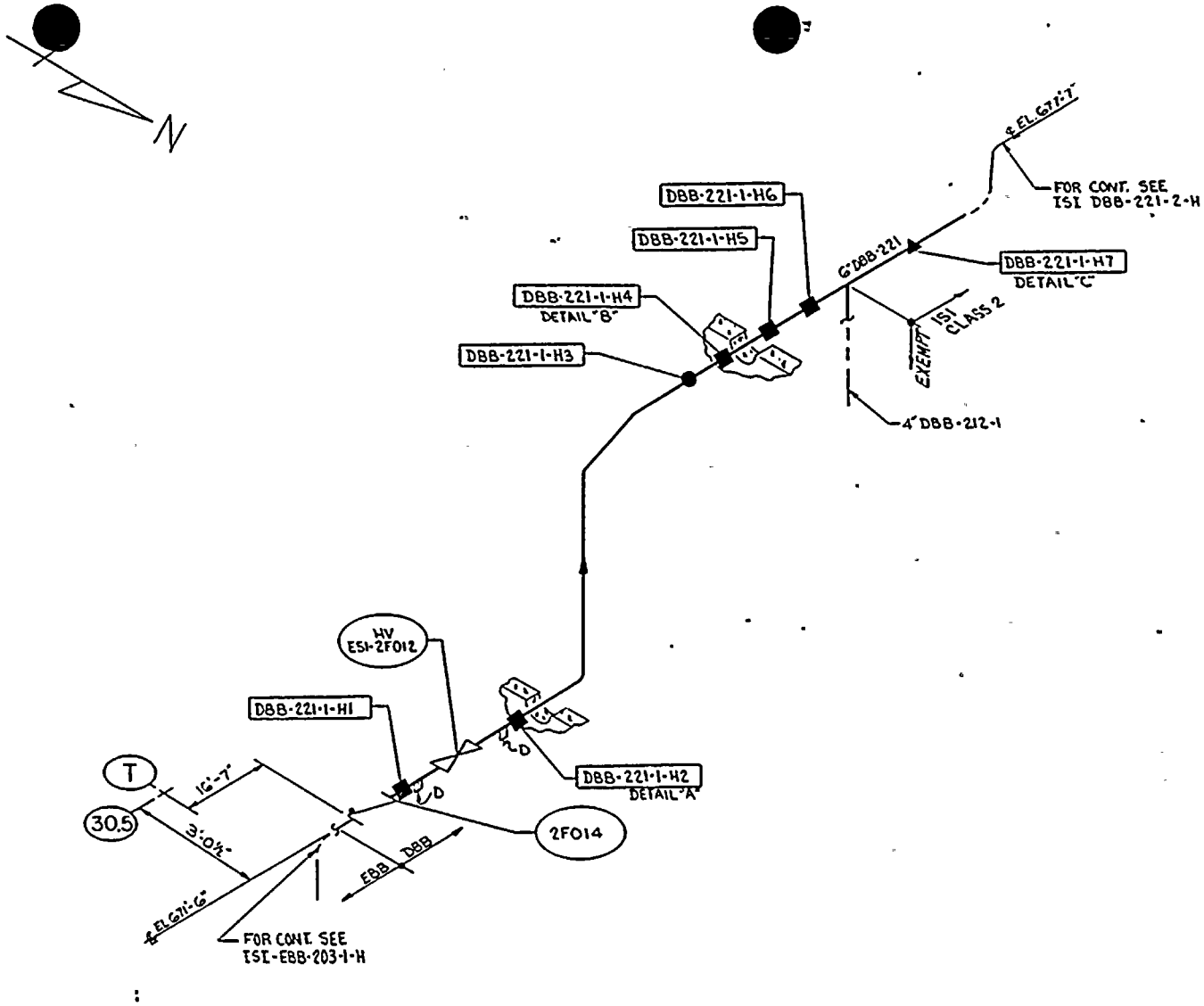
AREA 30, 31 | ELEV. 676'-0" | SCALE- NONE

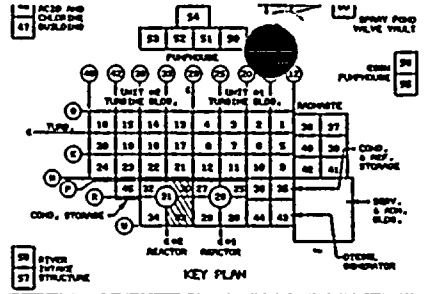
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201273	1	0

AE DRAWING NO. ISI-DBB-220-2-H

FRACTIONAL DECIMAL G 2 2 2 0 LOCATION CODES SORTS

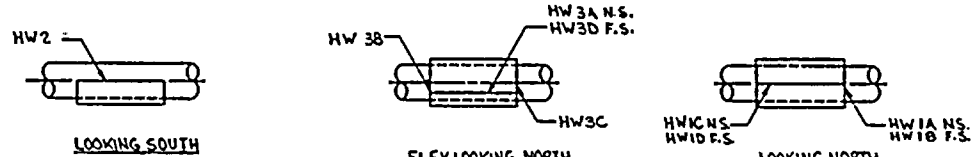




FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPYWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
16					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR



LOOKING SOUTH
DETAIL "A"
HANGER H2

ELEV. LOOKING NORTH
DETAIL "B"
HANGER H4

LOOKING NORTH
DETAIL "C"
HANGER H7

FCI-P51-2855	
M-214 9(RCIC)	E-105949
M-30-2	E-106180 SH.2
M-33-2	E-106183 SH.2
DBB-221-1 (Rev 5)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-221-1-H

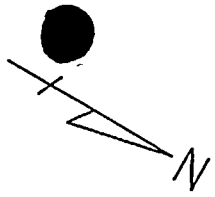
AREA 30.33 | ELEV. 670'-0" | SCALE- NONE

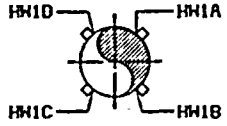
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201274	1	0

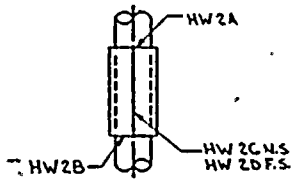
AE DRAWING NO. ISI-DBB-221-1-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS

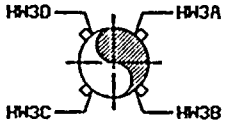




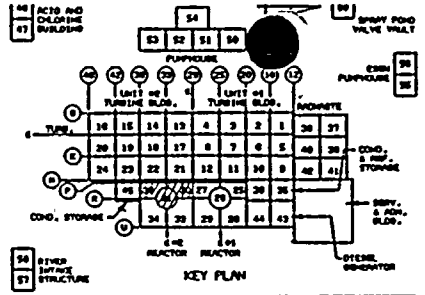
DETAIL "A"
HANGER 13



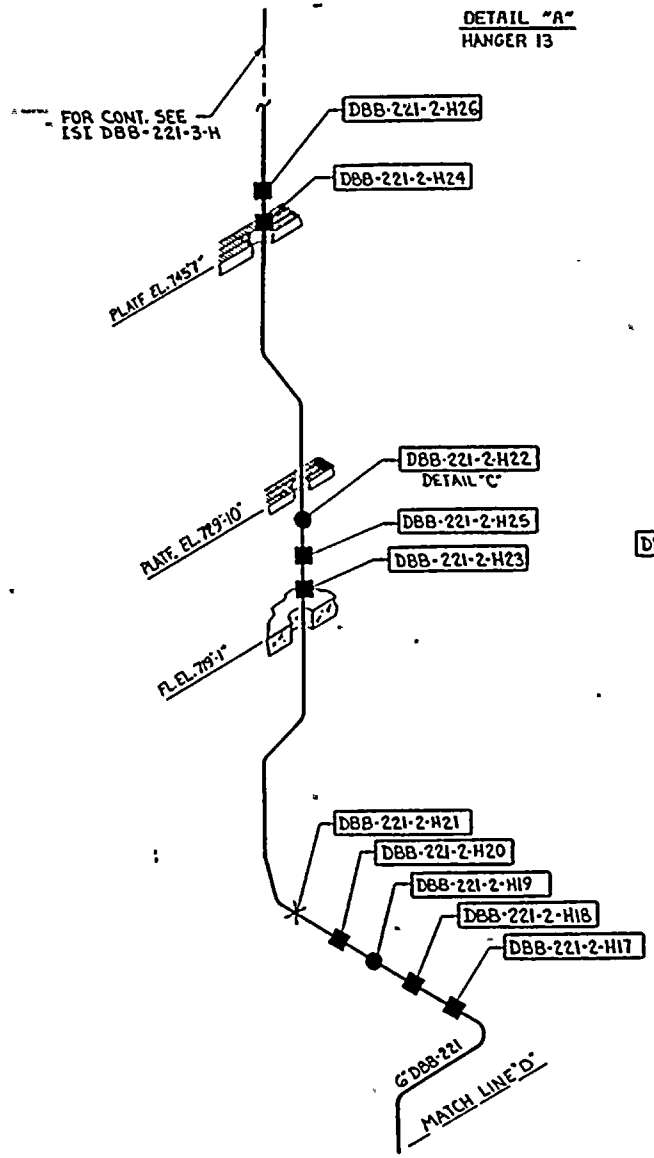
LOOKING SOUTH
DETAIL "B"
HANGER 15

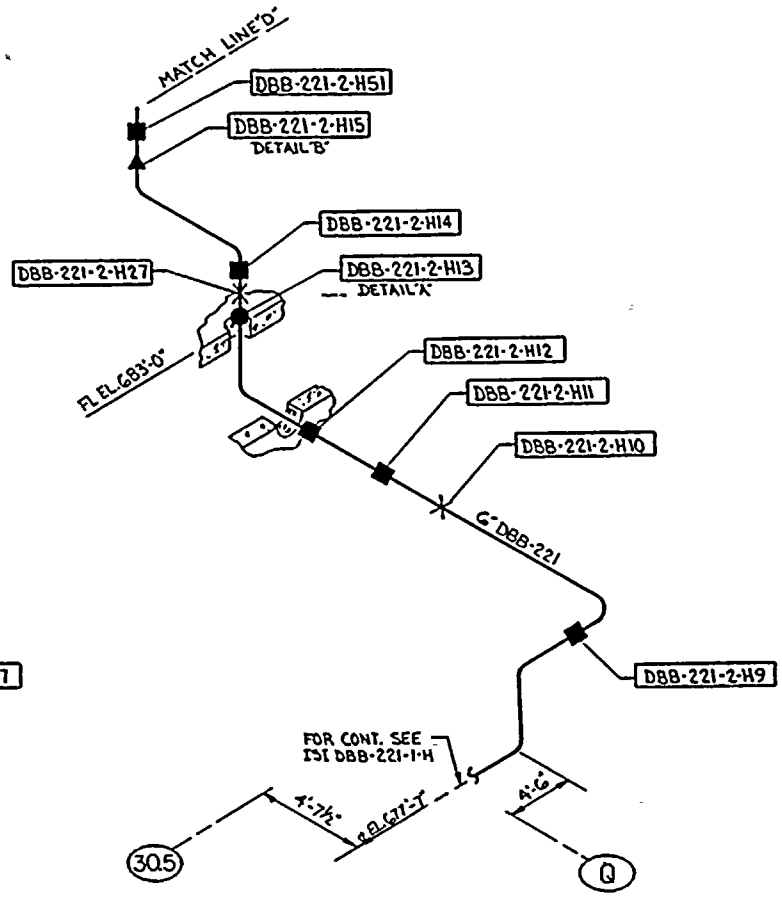


DETAIL "C"
HANGER 22



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DIESEL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	675'-0"	649'-0"	649'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	692'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	722'-0"	719'-0"	691'-0"		728'-11½"	714'-0"
5	742'-0"	749'-1"			752'-2½"	749'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	792'-0"
19		799'-1"				808'-0"





HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2855	
M-2149(RCIC)	E-105949
M-30-2	E-106180 SH. 2
M-30-3	E-106180 SH.3
M-31-4	E-106181 SH.4
M-31-7	E-106181 SH.7
M-32-3	E-106182 SH 3
DBB-221-2 (Rev.7)	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-221-2-H

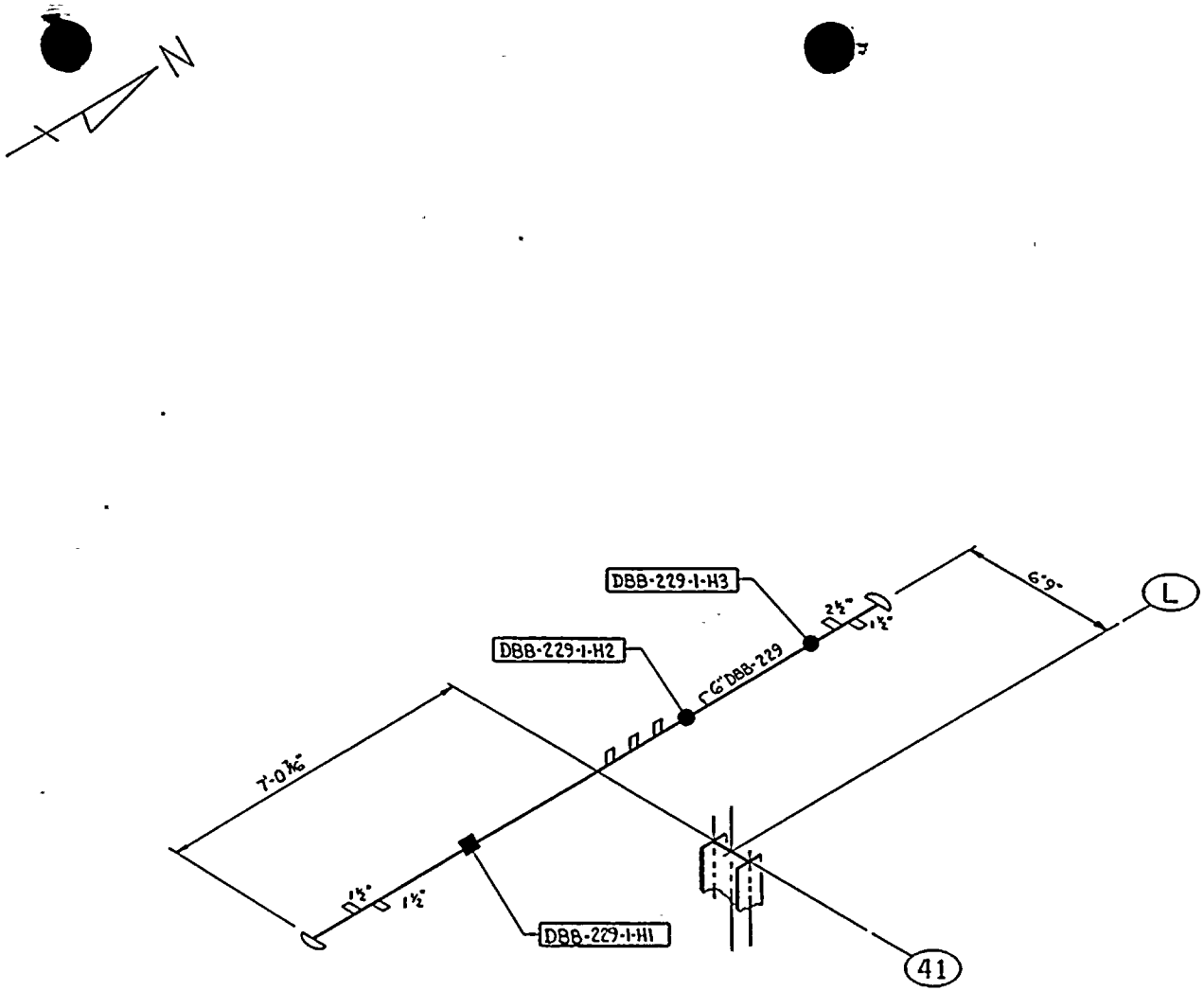
AREA 303,32 | ELEV. 670'-0" | SCALE- NONE

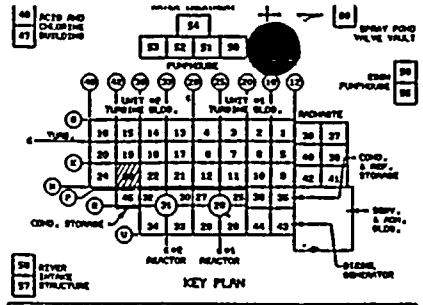
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201275 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DBB-221-2-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPYHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	599'-0"	599'-0"	599'-0"		
2	676'-0"	676'-0"	599'-0"	677'-0"	704'-0"	676'-0"
3	599'-0"	692'-0"	676'-0"	718'-0"	718'-1"	599'-0"
4	729'-0"	718'-0"	691'-0"		728'-11¼"	714'-0"
5	752'-0"	749'-1"			752'-11¼"	729'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	792'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-21G10	
M-2101 (MAIN STEAM)	E-105901
M-23-G	E-106173 SH.G
DBB-229-1 (REV.0)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DBB-229-1-H

AREA 23 | ELEV. 699'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

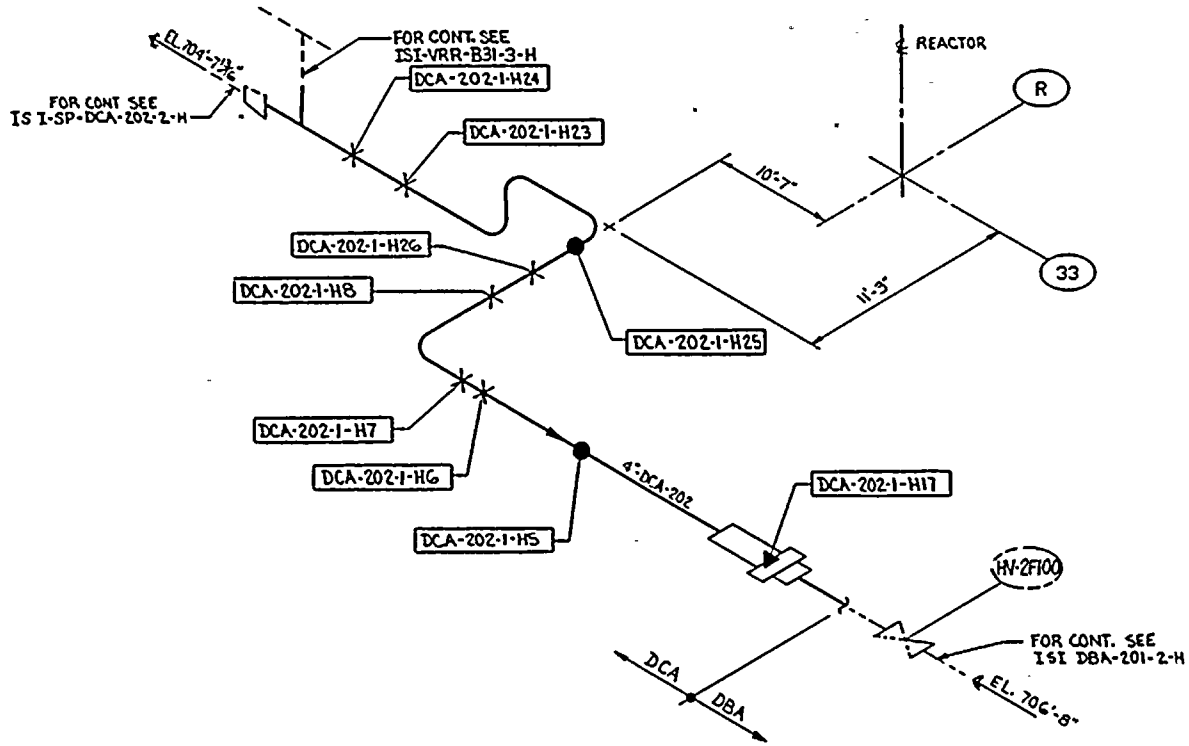
PP&L DRAWING NO. C-201277 | SHEET NO. 1 | REV. NO. 0

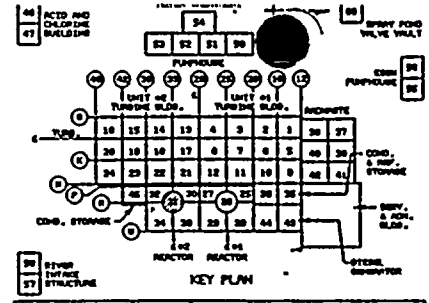
AE DRAWING NO. ISI-DBB-229-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 2 2 0 | G | G | G | G | M

LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	INCINERATOR BLDG. EL.	STEAM GENERATOR EL.	SPYHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	998'-9"	998'-9"	998'-9"	998'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	799'-9"	979'-9"
3	998'-9"	992'-9"	979'-9"	719'-9"	71'-1"	998'-9"
4	779'-9"	719'-9"	991'-9"		729'-11/16"	719'-9"
5	799'-9"	799'-1"			759'-7/16"	739'-9"
6	719'-9"	779'-1"			779'-1"	719'-9"
7		919'-1"				799'-9"
12					791'-1"	771'-9"
14					999'-9"	799'-9"
19		799'-1"				999'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2950 SH.1	
DCA-202-1 (REV 2)	
M-31-2	E-162279 SH.2
M-2144	E-105944
M-2143	E-105943
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-202-1-H

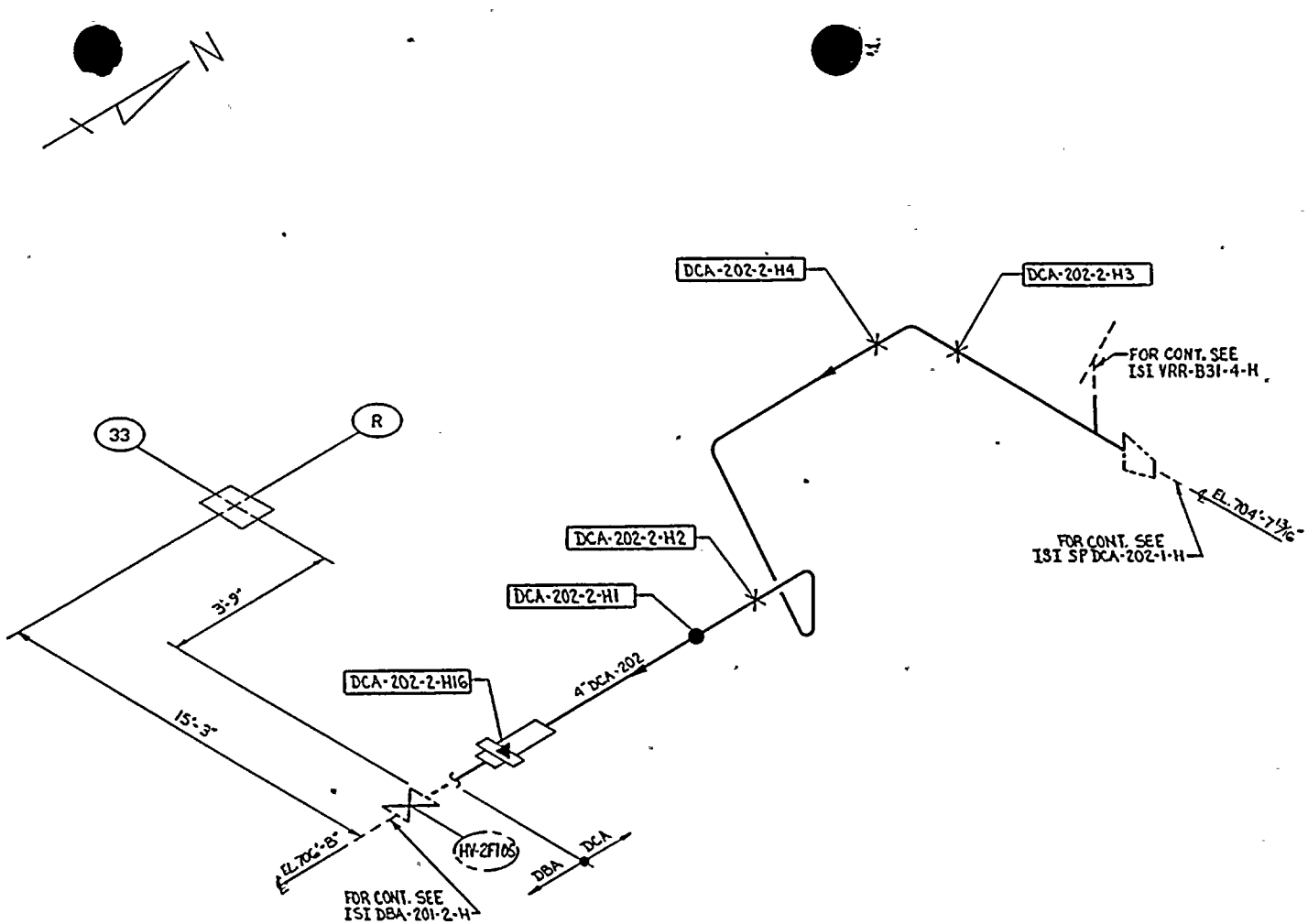
AREA 31 | ELEV. 704'0" | SCALE- NONE

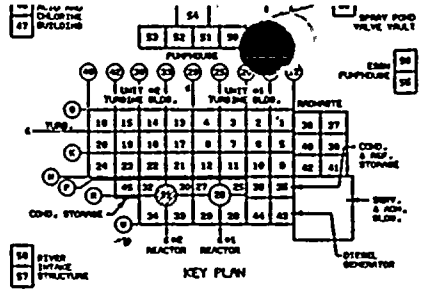
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201278 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-202-1-H

FRACTIONAL DECIMAL G 2 2 2 0 G G G G LOCATION CODES H SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPRAYED REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-0"	693'-0"	694'-0"	699'-0"		
2	676'-0"	679'-0"	699'-0"	677'-0"	704'-0"	676'-0"
3	699'-0"	697'-0"	679'-0"	718'-0"	718'-1"	688'-0"
4	723'-0"	718'-0"	691'-0"		728'-11 1/16"	714'-0"
5	732'-0"	749'-1"			732'-2 1/16"	729'-0"
6	714'-0"	729'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					781'-1"	771'-0"
14					808'-0"	783'-0"
19		799'-1"				804'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2950 SH.2	
DCA-202-2 (REV2)	
M-2143	E-105943
M-2144 (RWCU)	E-105944
M-31-2	E-162279 SH.2B
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC

HANGER IDENTIFICATION
ISI-DCA-202-2-H

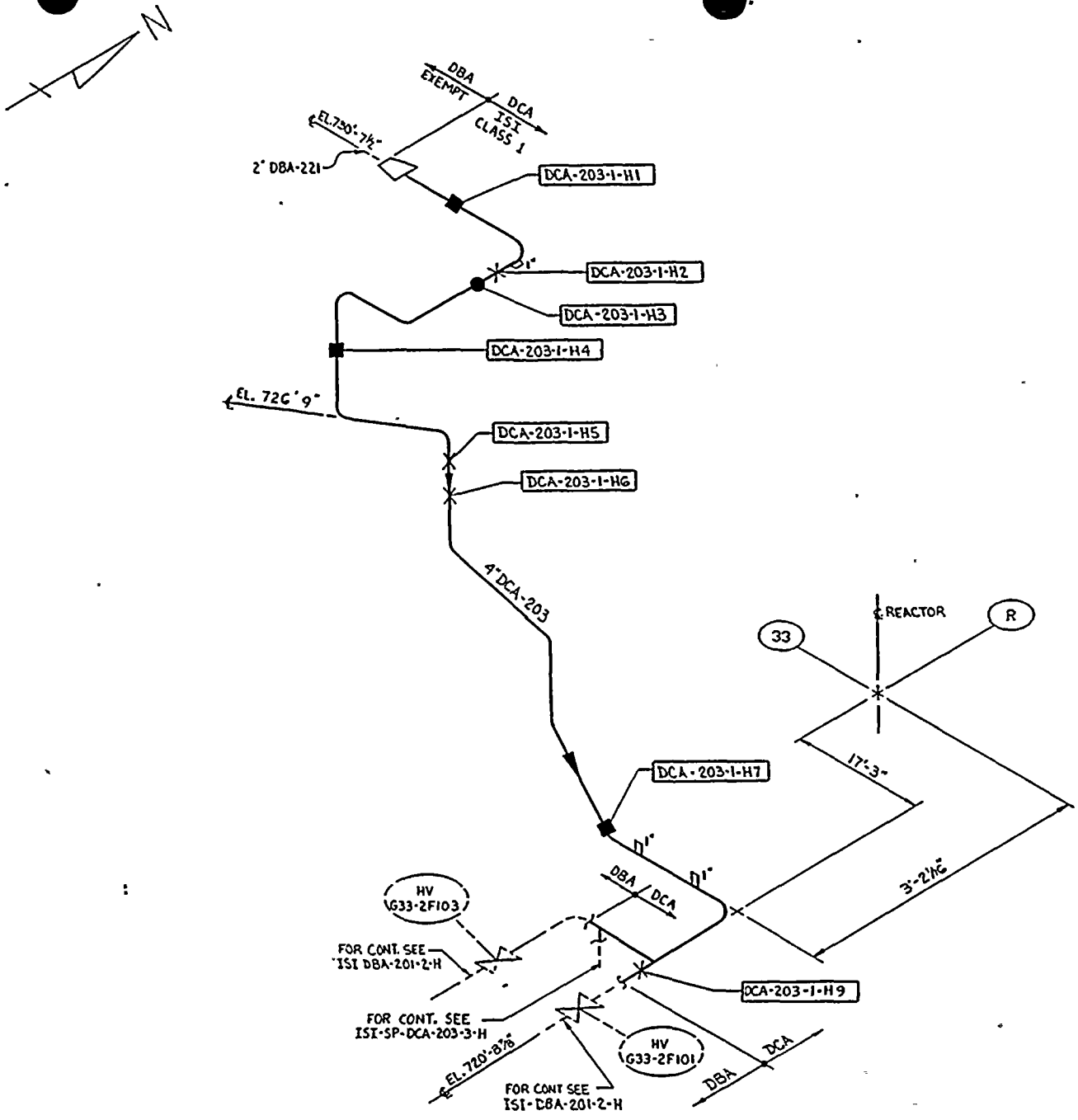
AREA 31 | ELEV. 704'0" | SCALE- NONE

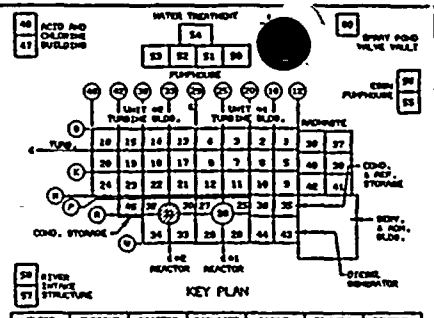
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201229 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-202-2-H

FRACTIONAL DECIMAL G 2 2 2 0 G G G G H LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	INCINERATOR BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	924'-9"	925'-9"	944'-9"	899'-9"		
2	879'-9"	879'-9"	899'-9"	877'-9"	764'-9"	879'-9"
3	899'-9"	893'-9"	879'-9"	719'-9"	719'-1"	899'-9"
4	732'-9"	719'-9"	891'-9"		726'-11½"	719'-9"
5	782'-9"	749'-1"			732'-2½"	732'-9"
6	719'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					808'-9"	792'-9"
19		799'-1"				808'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2875	
DCA-203-1(REV.G)	
M-2144 (RWCU)	E-105944
M-31-3	E-106181 SH. 3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

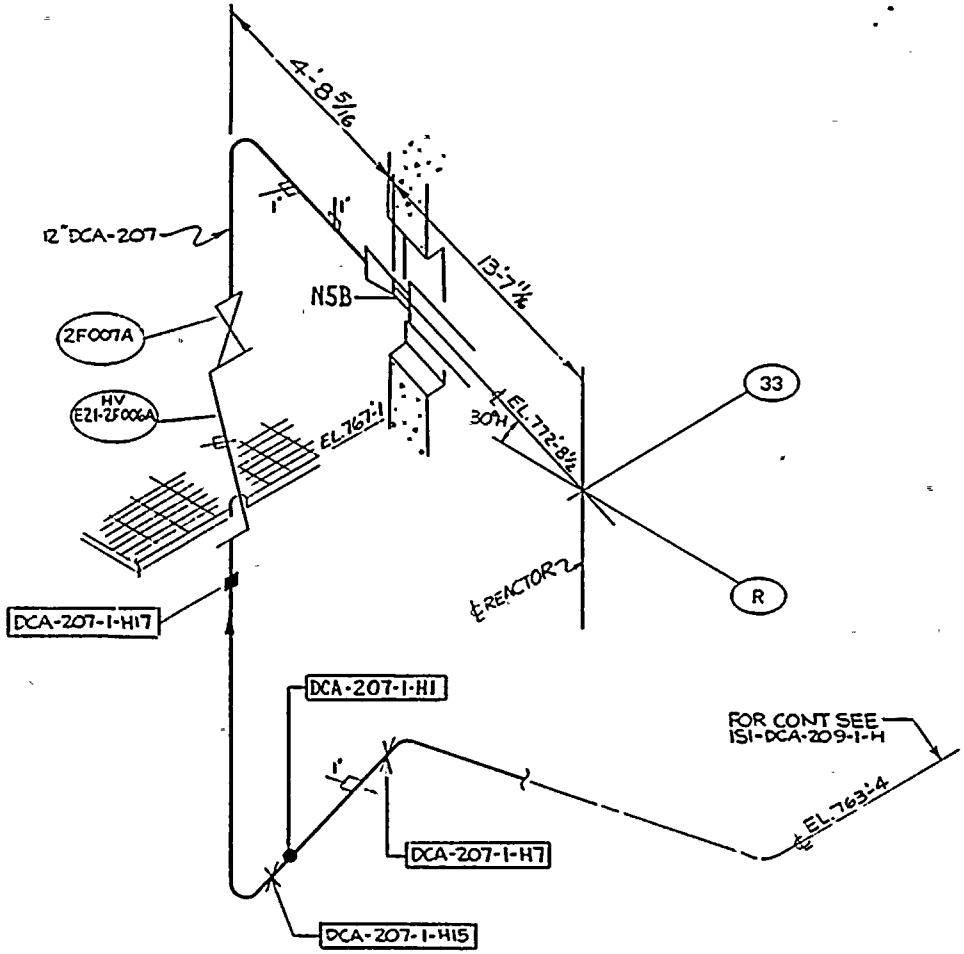
ISI-DCA-203-1-H

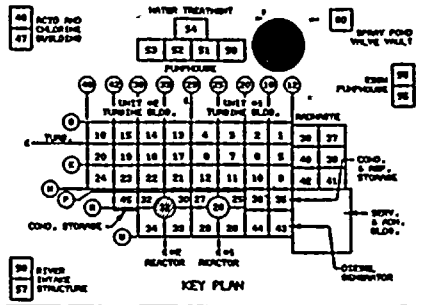
AREA 31	ELEV. 719'-0"	SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201280	1	0

AE DRAWING NO. ISI-DCA-203-1-H





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MACHINE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-0"	695'-0"	698'-0"	698'-0"		
2	676'-0"	676'-0"	698'-0"	677'-0"	704'-0"	676'-0"
3	698'-0"	697'-0"	676'-0"	719'-0"	719'-1"	698'-0"
4	728'-0"	719'-0"	691'-0"		728'-11 1/2"	719'-0"
5	751'-0"	749'-1"			732'-2 1/2"	728'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					751'-1"	771'-0"
14					698'-0"	781'-0"
19		798'-1"				838'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI P51-2834	
DCA-207-1	
M-2152 (C.S.)	E-105952
M-31-12	E-106181 SH.12
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	GH	JCB	JMES. D. Tibbon	7/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-207-1-H

AREA 31 | ELEV. 761'-1 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201281	1	0

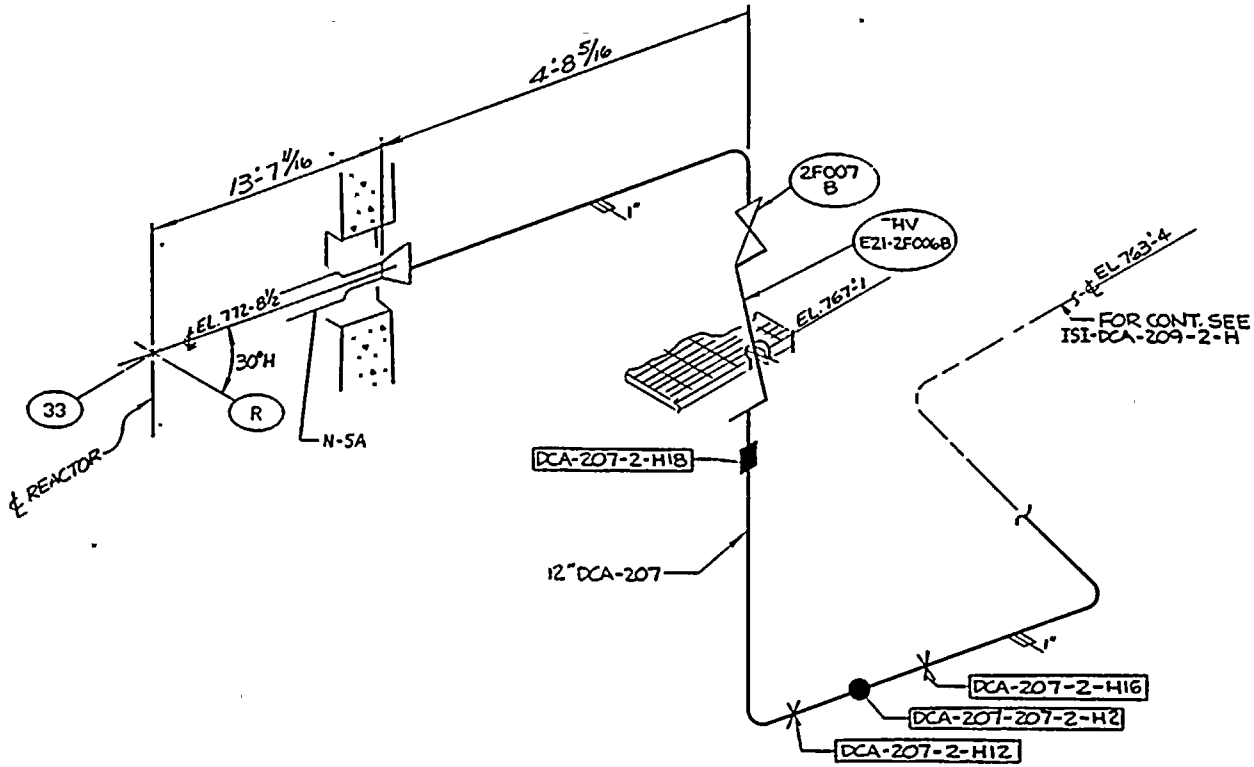
AE DRAWING NO.
ISI-DCA-207-1-H

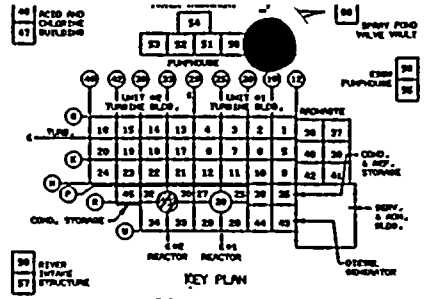
FRACTIONAL DECIMAL

G 2 2 2 0 | G | G | G | G | H

LOCATION CODES

SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-0"	695'-0"	699'-0"	699'-0"		
2	676'-0"	676'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	691'-0"	676'-0"	718'-0"	718'-1"	699'-0"
4	720'-0"	718'-0"	691'-0"		720'-1 1/16"	714'-0"
5	732'-0"	749'-1"			732'-1 1/16"	729'-0"
6	714'-0"	770'-1"			770'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	792'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FC1-PS1-2836	
DCA-207-2 (REV. 4)	
M-2152	E-105952
M-31-12	E-106181 SH.12
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	SH			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-207-2-H

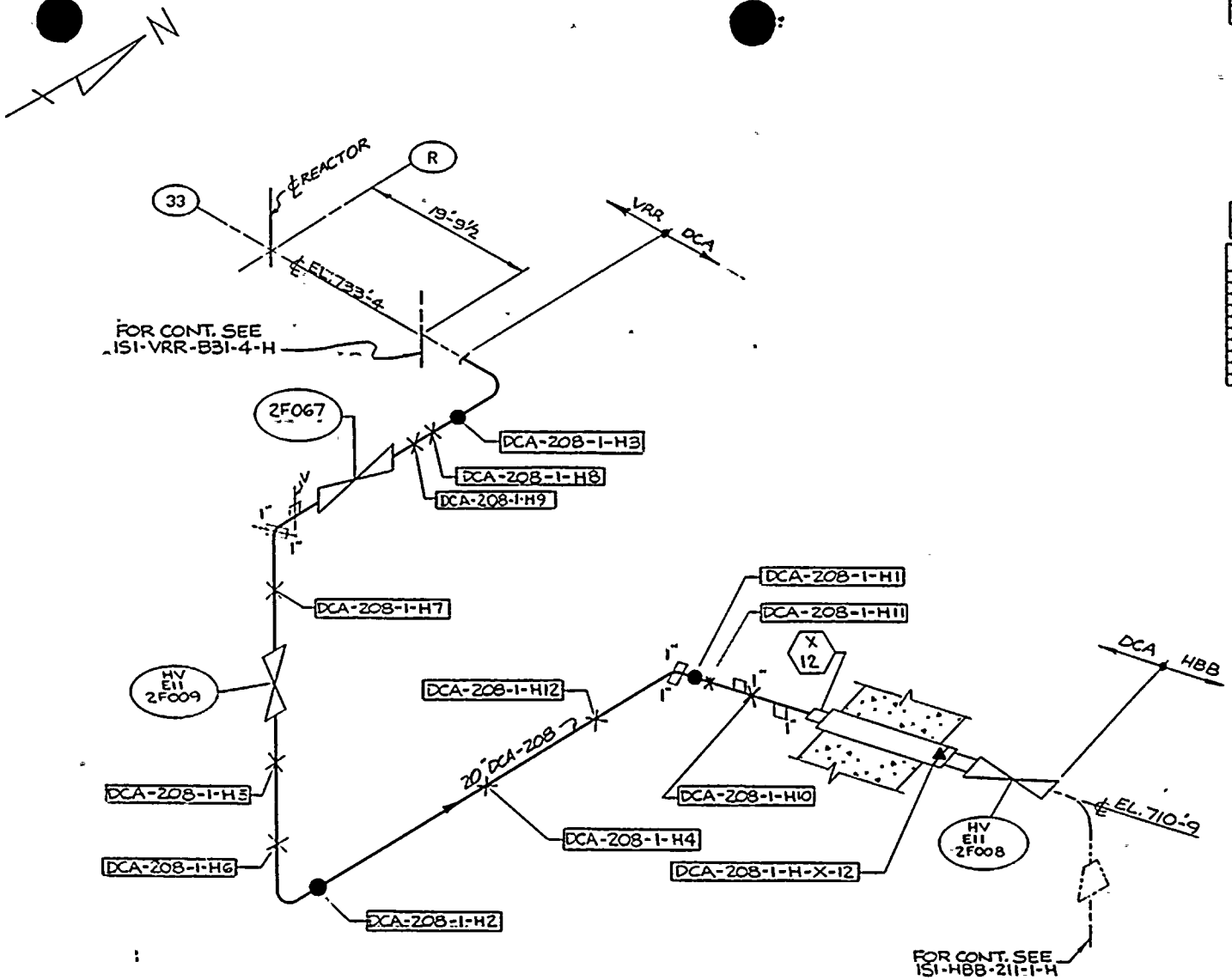
AREA 31 | ELEV. 761'-1 | SCALE- NONE

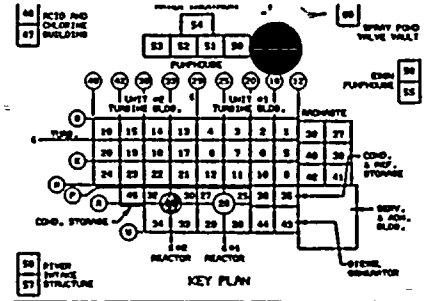
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201282 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-207-2-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	SHIELD REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	691'-6"	695'-6"	699'-6"	699'-6"		
2	676'-6"	676'-6"	699'-6"	677'-6"	704'-6"	676'-6"
3	688'-6"	693'-6"	676'-6"	710'-6"	719'-1"	688'-6"
4	720'-6"	713'-6"	691'-6"		728'-11½"	714'-6"
5	732'-6"	749'-1"			737'-2½"	732'-6"
6	715'-6"	771'-1"			779'-1"	741'-6"
7		819'-1"				754'-6"
12					781'-1"	771'-6"
16					808'-6"	792'-6"
19		739'-1"				808'-6"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PS1-2950 SH.2	
DCA-208-1 (REV.1)	
M-2151 (R.H.R.)	E-105951 SH.2
M-31-2	E-106181 SH.2
M-31-3	E-106181 SH.3
M-33-3	E-106183 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	GH	PSJ	JJ	MCG	4/1/78

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-208-1-H

AREA 31 | ELEV. 704'-1 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

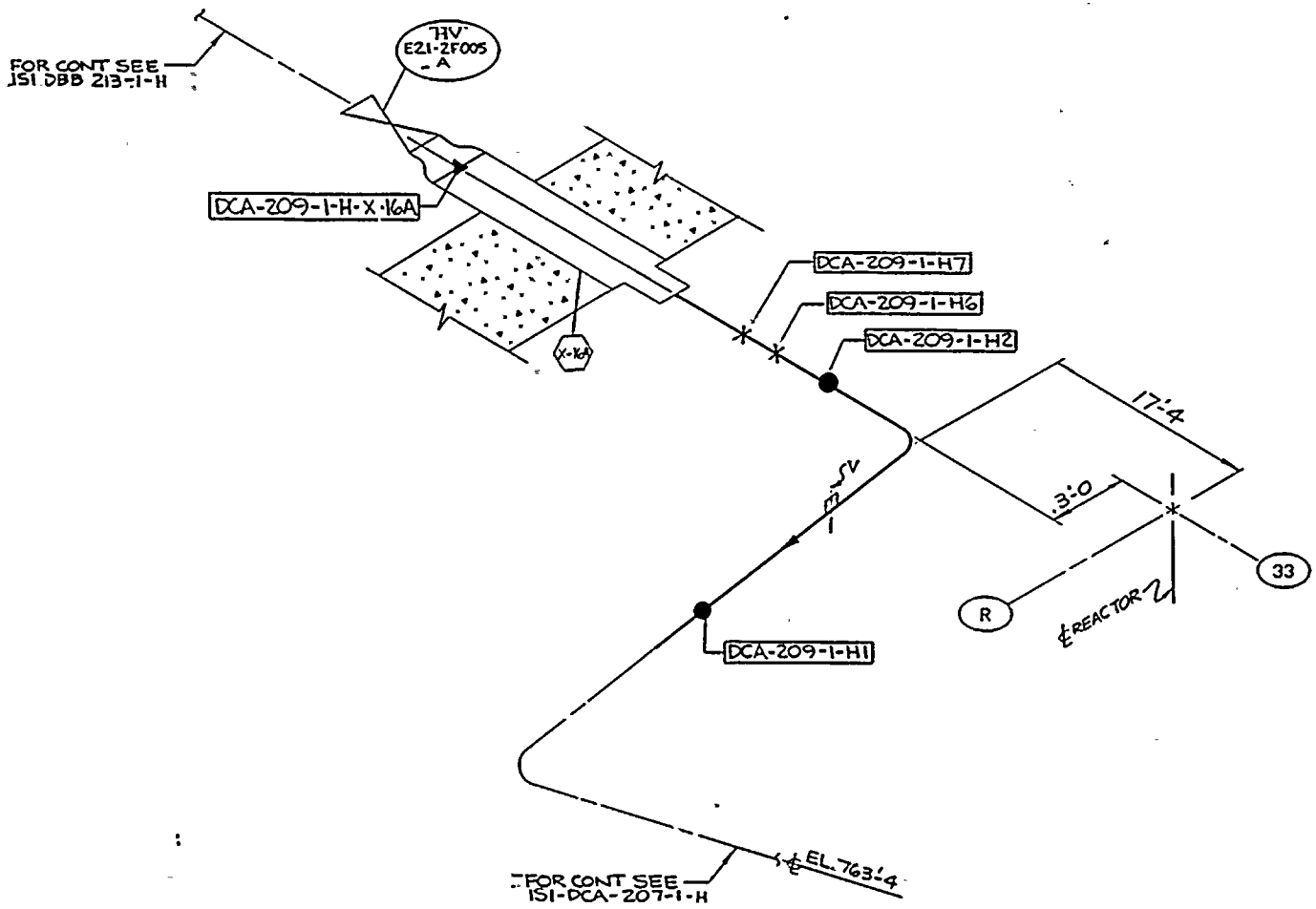
PP&L DRAWING NO. C-201283 | SHEET NO. 1- | REV. NO. 0

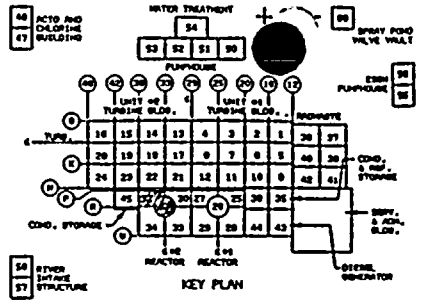
AE DRAWING NO. ISI-DCA-208-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 2 2 0 | G | G | G | G | G | H

LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	954'-9"	955'-9"	949'-9"	999'-9"		
2	874'-9"	873'-9"	950'-9"	877'-9"	754'-9"	874'-9"
3	999'-9"	993'-9"	874'-9"	718'-9"	718'-1"	999'-9"
4	772'-9"	718'-9"	991'-9"		726'-11 1/2"	714'-9"
5	794'-9"	744'-1"			754'-7 1/2"	770'-9"
6	714'-9"	770'-1"			770'-1"	741'-9"
7		919'-1"				754'-9"
12					781'-1"	771'-9"
14					999'-9"	793'-9"
19		799'-1"				999'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FC1-P51-2834	
DCA-209-1	DCA-209-1
M-2152	E-105952
M-31-12	E-106181 SH.12
M-32-5	E-106182 SH.5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	GH			3/16

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-209-1-H

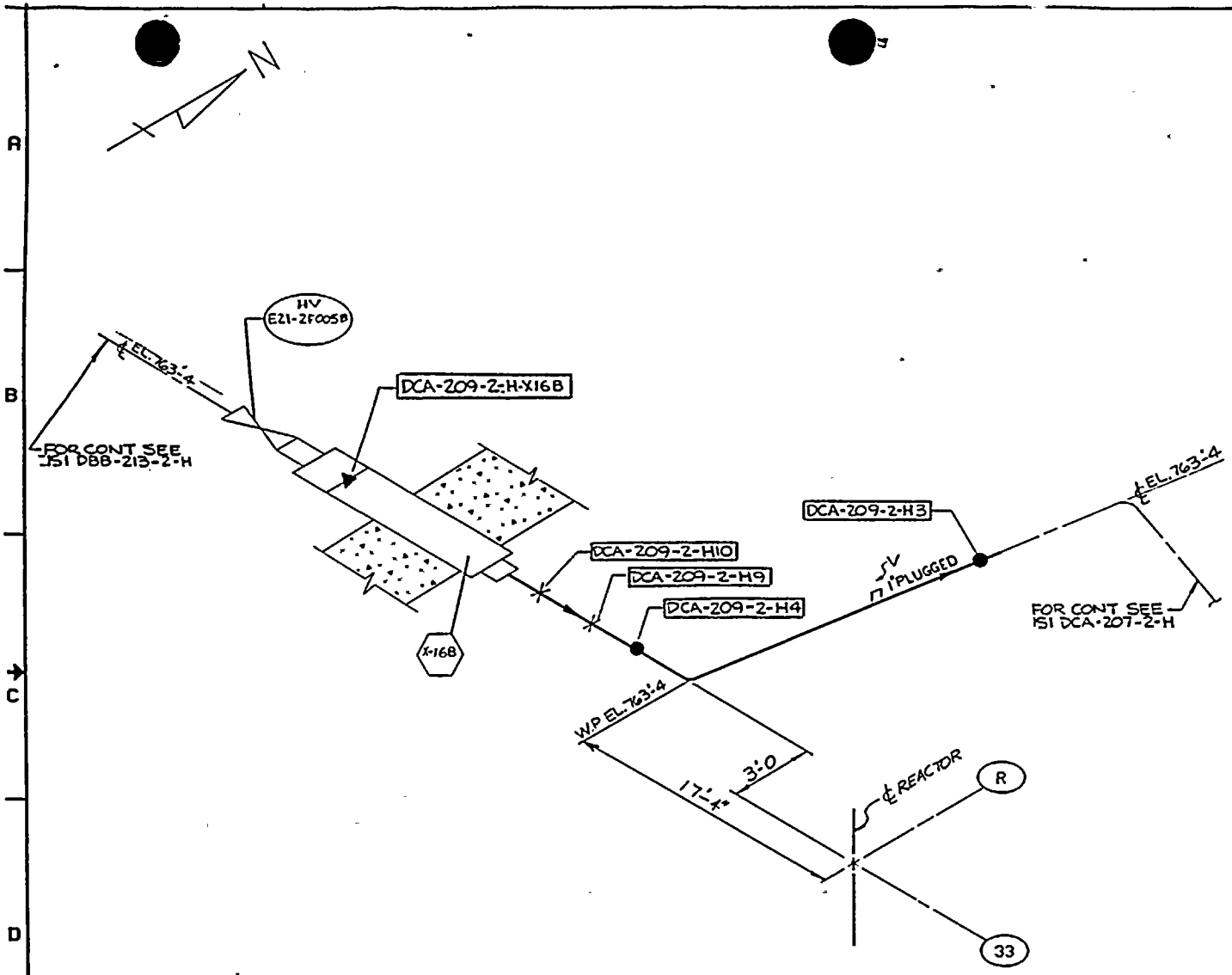
AREA 31,32 | ELEV. 761'-1" | SCALE- NONE

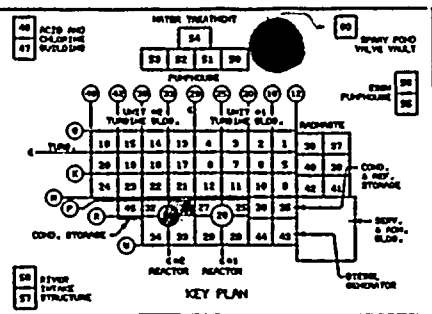
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201284 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-209-1-H

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	599'-9"	599'-9"	599'-9"		
2	674'-9"	674'-9"	599'-9"	677'-9"	704'-9"	674'-9"
3	699'-9"	692'-9"	674'-9"	710'-9"	718'-1"	699'-9"
4	723'-9"	718'-9"	691'-9"		738'-11 1/2"	714'-9"
5	742'-9"	744'-1"			752'-2 1/2"	729'-9"
6	714'-9"	772'-1"			772'-1"	741'-9"
7		810'-1"				754'-9"
12					781'-1"	771'-9"
14					809'-9"	793'-9"
19		779'-1"				808'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2836	
DCA-209-2	
M-2152	E-105952
M-30-5	E-106180 SH.5
M-31-12	E-106181 SH.12
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	GH			8/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-209-2-H

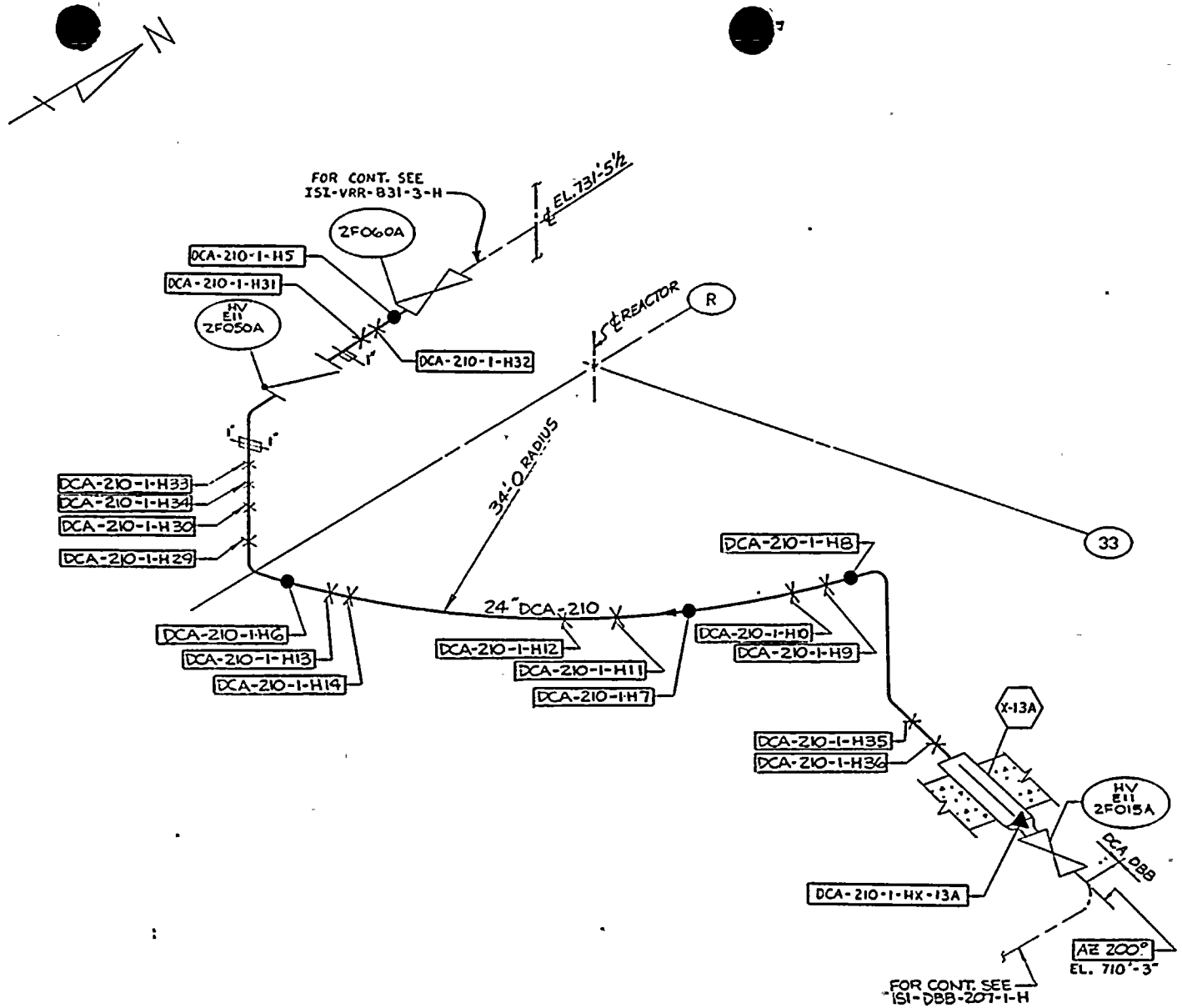
AREA 30,31 | ELEV. 761'-1 | SCALE- NONE

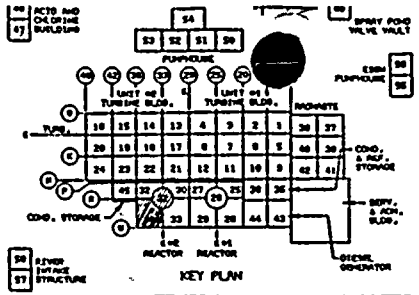
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201285 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-209-2-H

G 2 2 2 0 G G G G M
LOCATION CODES
SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	954'-9"	945'-9"	949'-9"	990'-9"		
2	879'-9"	879'-9"	899'-9"	977'-9"	791'-9"	879'-9"
3	899'-9"	892'-9"	879'-9"	710'-9"	719'-1"	899'-9"
4	779'-9"	719'-9"	891'-9"		779'-11½"	719'-9"
5	792'-9"	749'-1"			752'-3½"	739'-9"
6	719'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					781'-1"	771'-9"
14					899'-9"	783'-9"
19		799'-1"				804'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2843	
FCI-PSI-2950	
DCA-210-1 (REV. 4)	
M-2151 (R.H.R.)	E-105951 SH.2
M-31-2	E-106181 SH.2
M-31-3	E-106181 SH.3
M-34-3	E-106184 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	GH				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-210-1-H

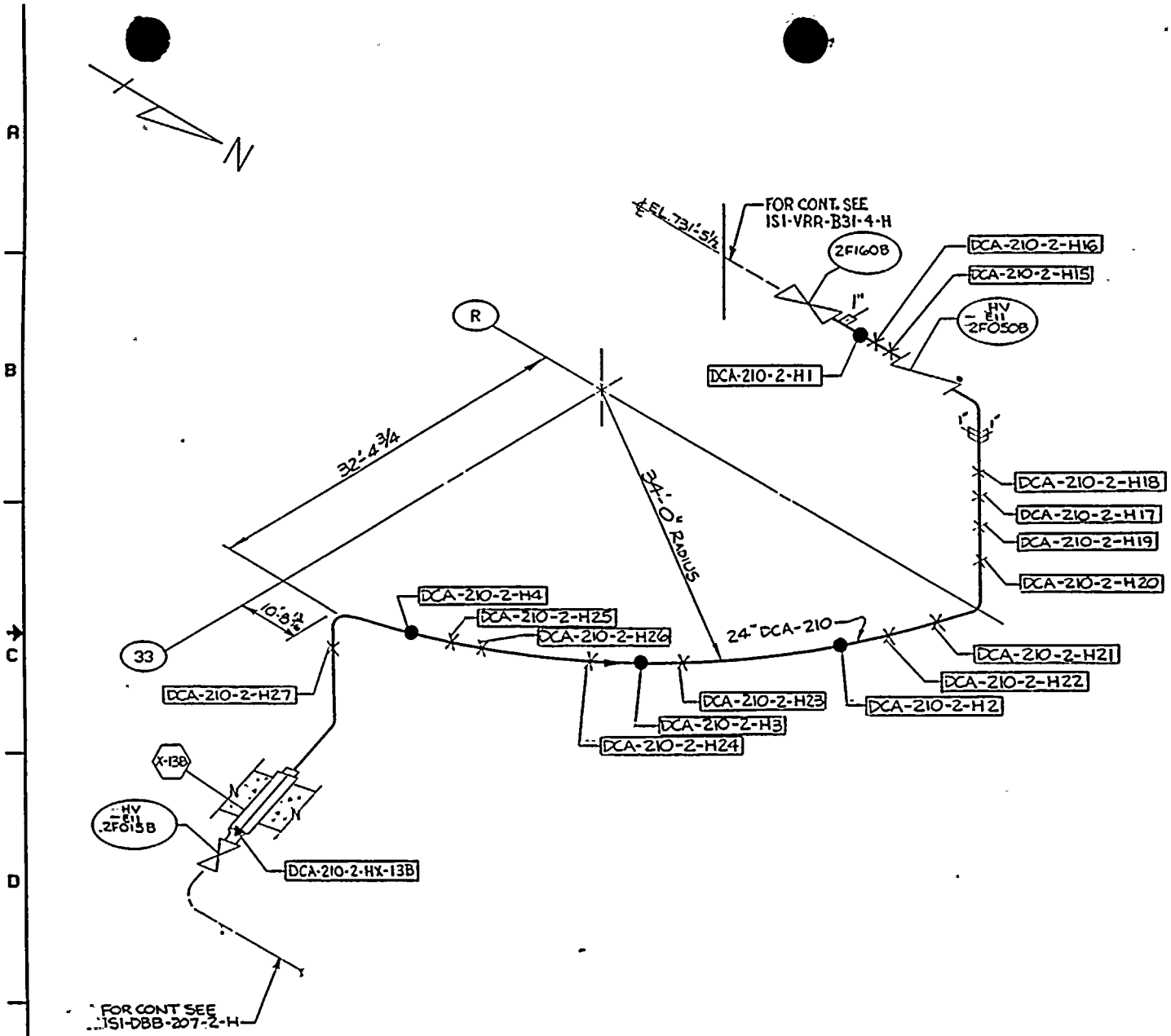
AREA 31,34 | ELEV. 704-1 | SCALE- NONE

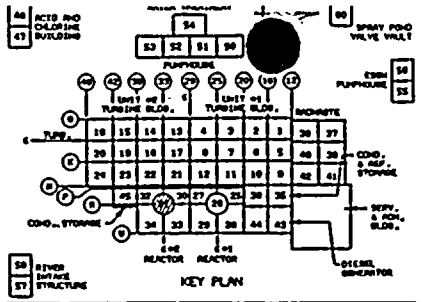
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201286 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-210-1-H

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-9"	695'-9"	698'-9"	698'-9"		
2	679'-9"	679'-9"	660'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	692'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	719'-9"	719'-9"	691'-9"		739'-11 1/4"	719'-9"
5	742'-9"	749'-1"			752'-7 1/4"	739'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		919'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
16		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FC1-PS1-2950 SH.2	
DCA-210-2	DCA-210-2
M-2151 (R.H.R.)	E-105951 SH.2
M-31-2	E-106181 SH.2
M-31-3	E-106181 SH.3
M-33-3	E-106183 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	GH				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-210-2-H

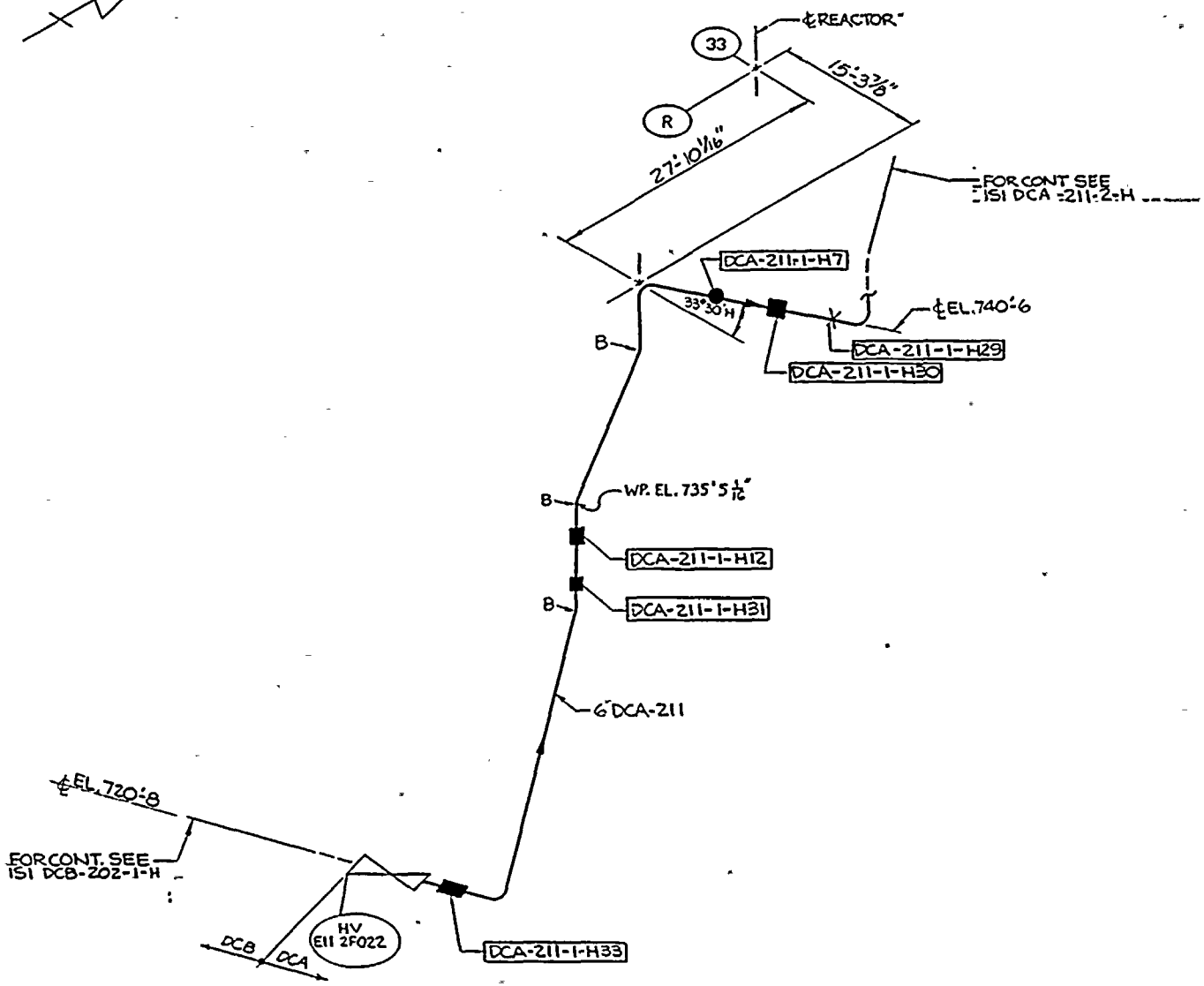
AREA 31 | ELEV. 704'-1 | SCALE- NONE

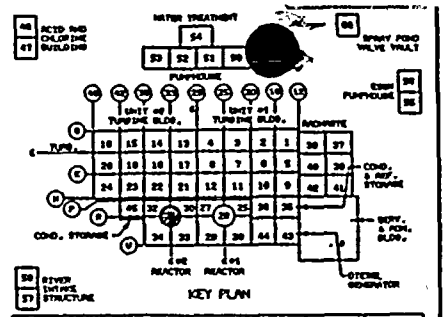
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201287 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-210-2-H

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	599'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	698'-0"	697'-0"	679'-0"	719'-0"	713'-0"	698'-0"
4	713'-0"	713'-0"	691'-0"		739'-11 1/16"	713'-0"
5	732'-0"	749'-1"			753'-2 1/16"	732'-0"
6	713'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	792'-0"
16		799'-1"				809'-0"

KEY PLAN

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PS1-2885 SH.1	
DCA-211-1 (REV. 2)	
M-214 1 (NCLR. BLR)	E-105941
M-2151 (R.H.R.)	E-105951 SH.2
M-31-3	E-106181 SH.3
M-31-4	E-106181 SH.4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	GH	PW	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-211-1-H

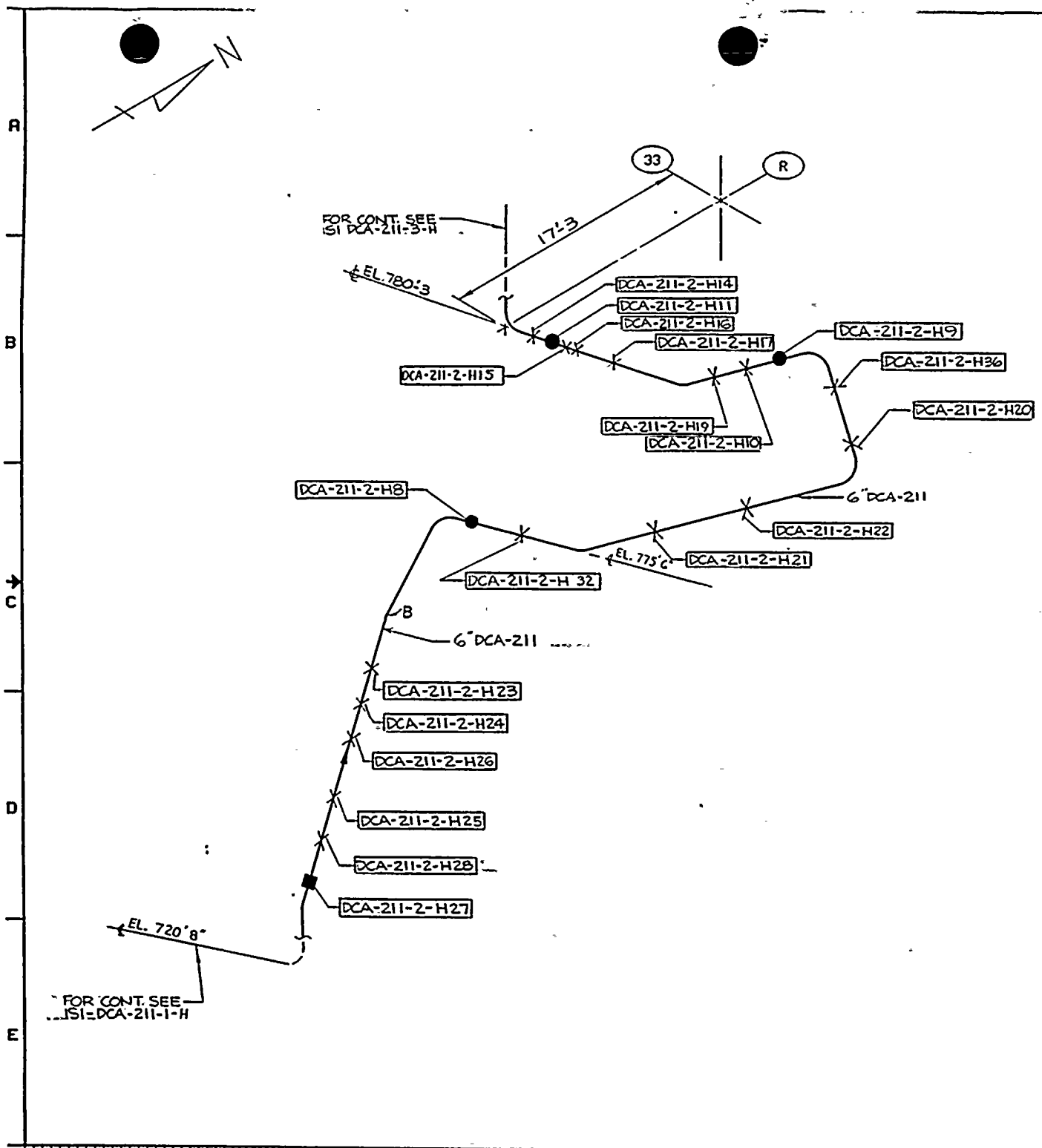
AREA 31 | ELEV. 719'-1" | SCALE- NONE

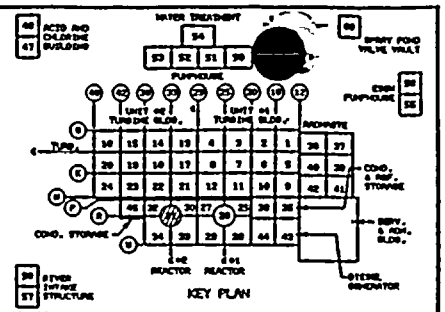
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201288 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-211-1-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-0"	695'-0"	695'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	729'-0"	719'-0"	691'-0"		729'-11½"	714'-0"
5	752'-0"	749'-1"			752'-7½"	729'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					793'-1"	771'-0"
14					809'-0"	793'-0"
16		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FC1-PS1-2885 SH.1	
DCA-211-2(REV.3)	
M-2141(NCLR. BLR)	E-105941
M-2151 (R.H.R)	E-105951 SH.2
M-31-4	E-106181 SH.4
M-31-12	E-106181 SH.12
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	SH	PJ	[illegible]	3/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT-2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-211-2-H

AREA 31 | ELEV. 738'-1½" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

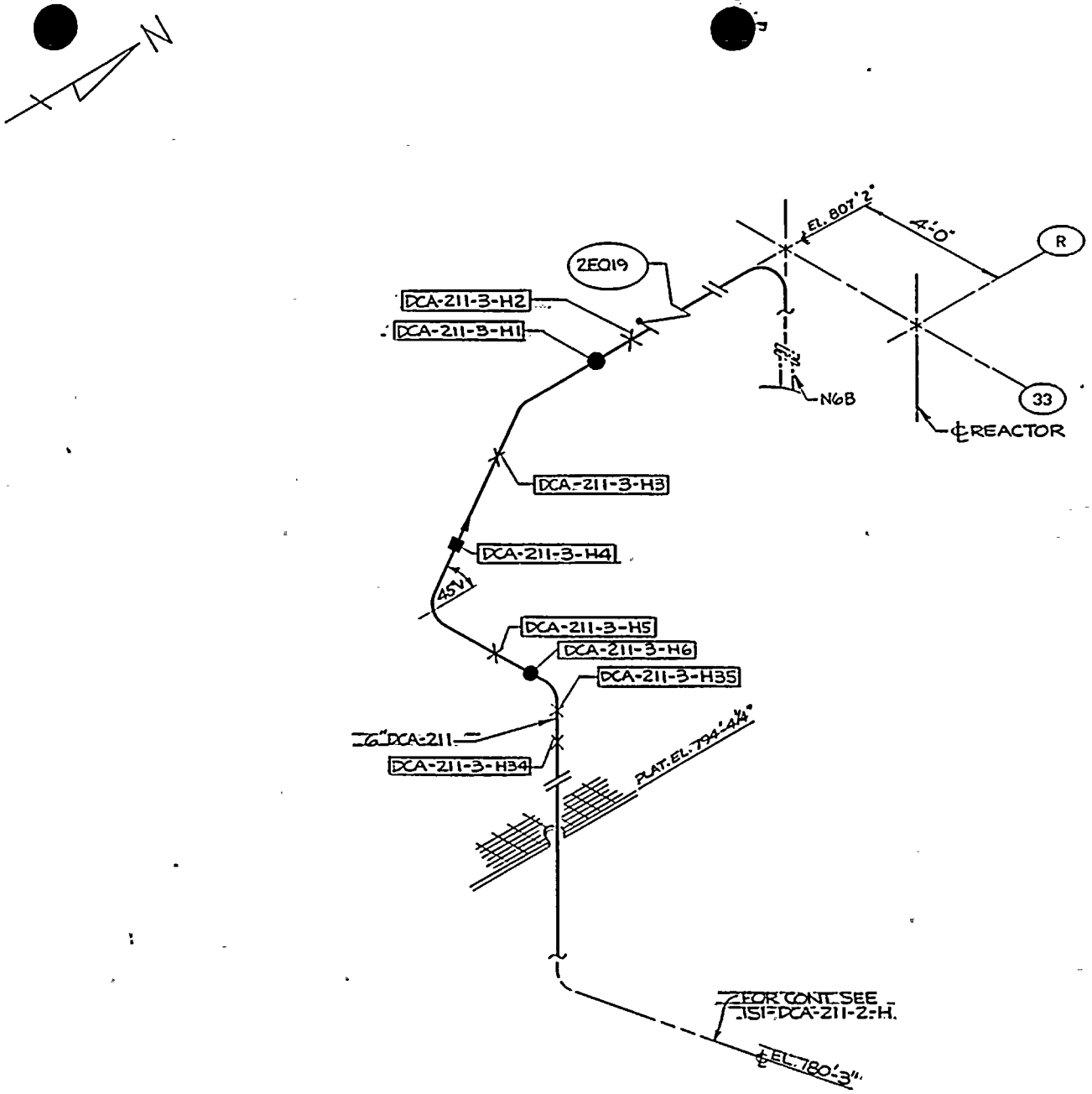
PP&L DRAWING NO. C-201289 | SHEET NO. 1 | REV. NO. 0

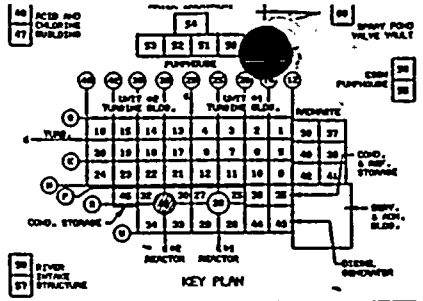
AE DRAWING NO. ISI-DCA-211-2-H

0 1 2 FRACTIONAL 2 1 0 DECIMAL

G 2 Z 2 0 G G G G G LOCATION CODES

M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	INCINERATOR BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	645'-0"	644'-0"	599'-0"		
2	676'-0"	676'-0"	669'-0"	677'-0"		
3	698'-0"	698'-0"	679'-0"	719'-0"	719'-0"	698'-0"
4	720'-0"	719'-0"	691'-0"		720'-11 1/2"	714'-0"
5	739'-0"	739'-0"			732'-2 1/2"	739'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					781'-1"	771'-0"
14					808'-0"	793'-0"
19		799'-1"				844'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PS1-2885 SH.2	
DCA-211-3 (REV.5)	
M-2141 (N.C.I.R. B.I.S.)	E-105941
M-2151 (R.H.R.)	E-105951 SH.2
M-31-12	E-106181 SH.12
M-31-14	E-106181 SH.14
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	GH			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-211-3-H

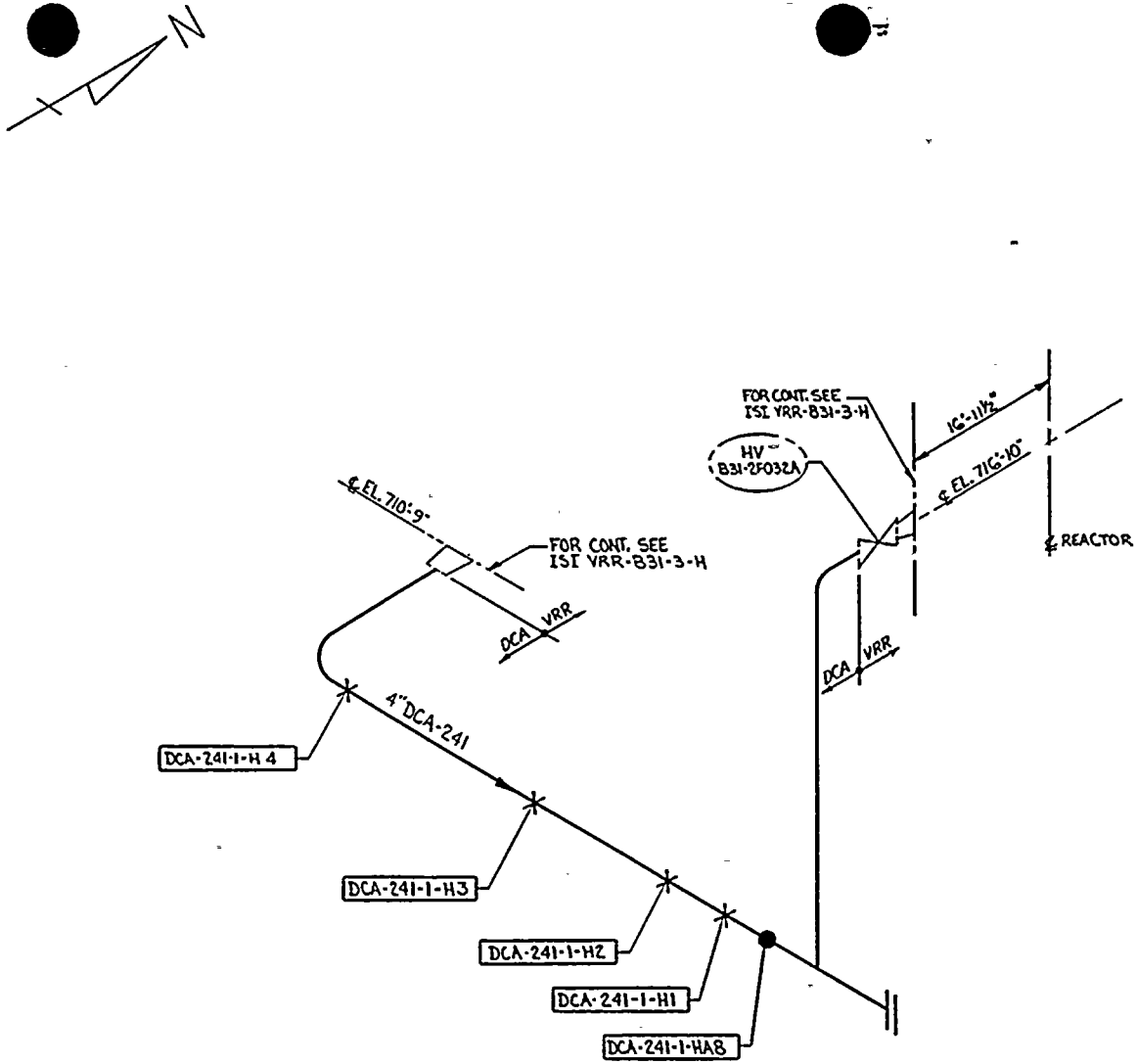
AREA 31 | ELEV. 761'-1" | SCALE- NONE

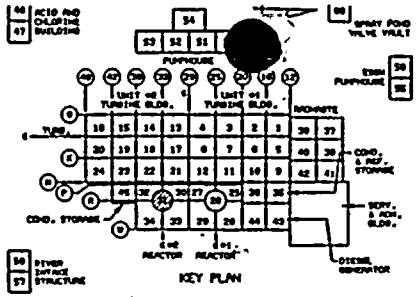
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201290 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-211-3-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-9"	695'-9"	698'-9"	698'-9"		
2	679'-9"	679'-9"	698'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	692'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	722'-9"	719'-9"	691'-9"		720'-11½"	714'-9"
5	742'-9"	749'-1"			732'-2½"	722'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					781'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2950 SH.1	
DCA-241-1 (REV1)	
M-2143 (REAC. RECIRC)	E-105943
M-31-2	E-106180 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-241-1-H

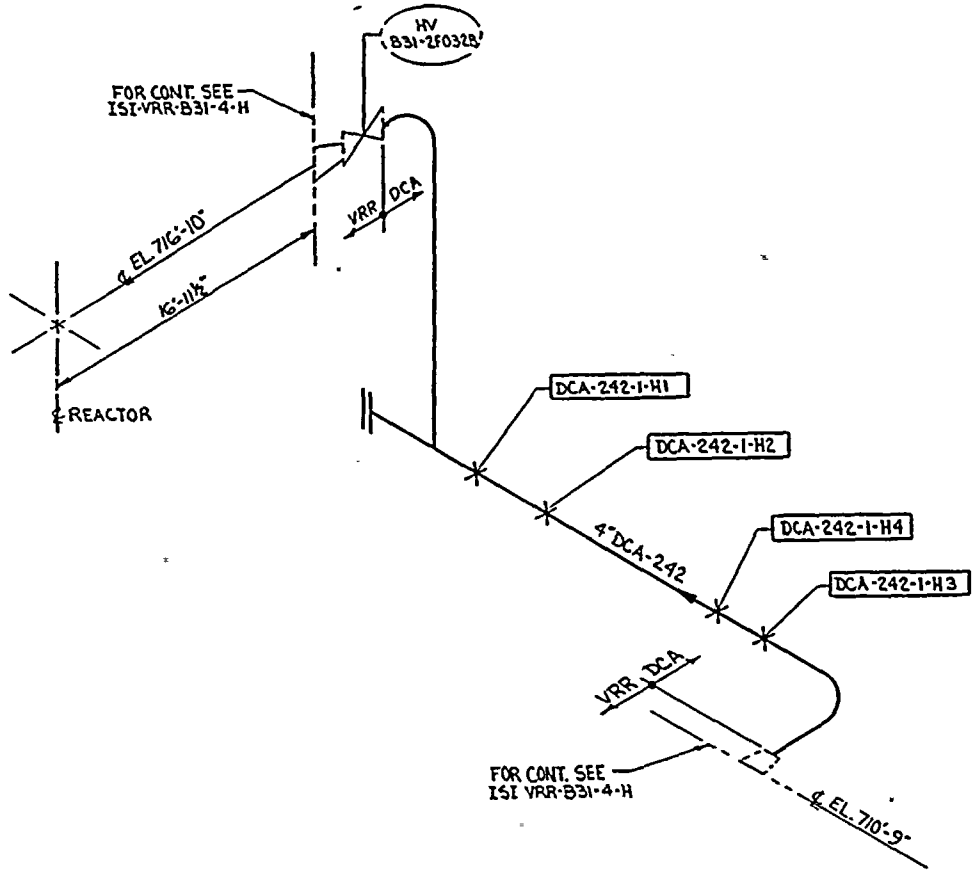
AREA 31 | ELEV. 704'-0" | SCALE- NONE

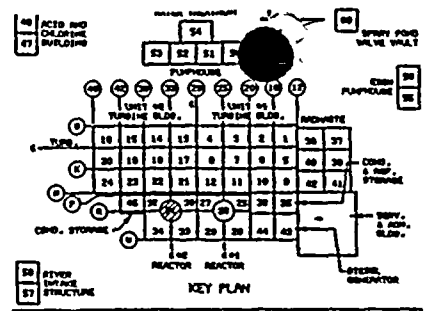
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201291 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-241-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 | LOCATION CODES | SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	989'-9"	949'-9"	949'-9"	999'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	795'-9"	979'-9"
3	998'-9"	992'-9"	979'-9"	719'-9"	719'-1"	998'-9"
4	739'-9"	719'-9"	991'-9"		736'-11½"	739'-9"
5	792'-9"	799'-1"			732'-2½"	739'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		919'-1"				754'-9"
12					791'-1"	771'-9"
14					808'-9"	792'-9"
19		799'-1"				808'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2950 SH.2	
DCA-242-1 (REV.2)	
M-2143 (REV. REQ'D)	E-105943
M-31-2	E-106181 SH. 2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCA-242-1-H

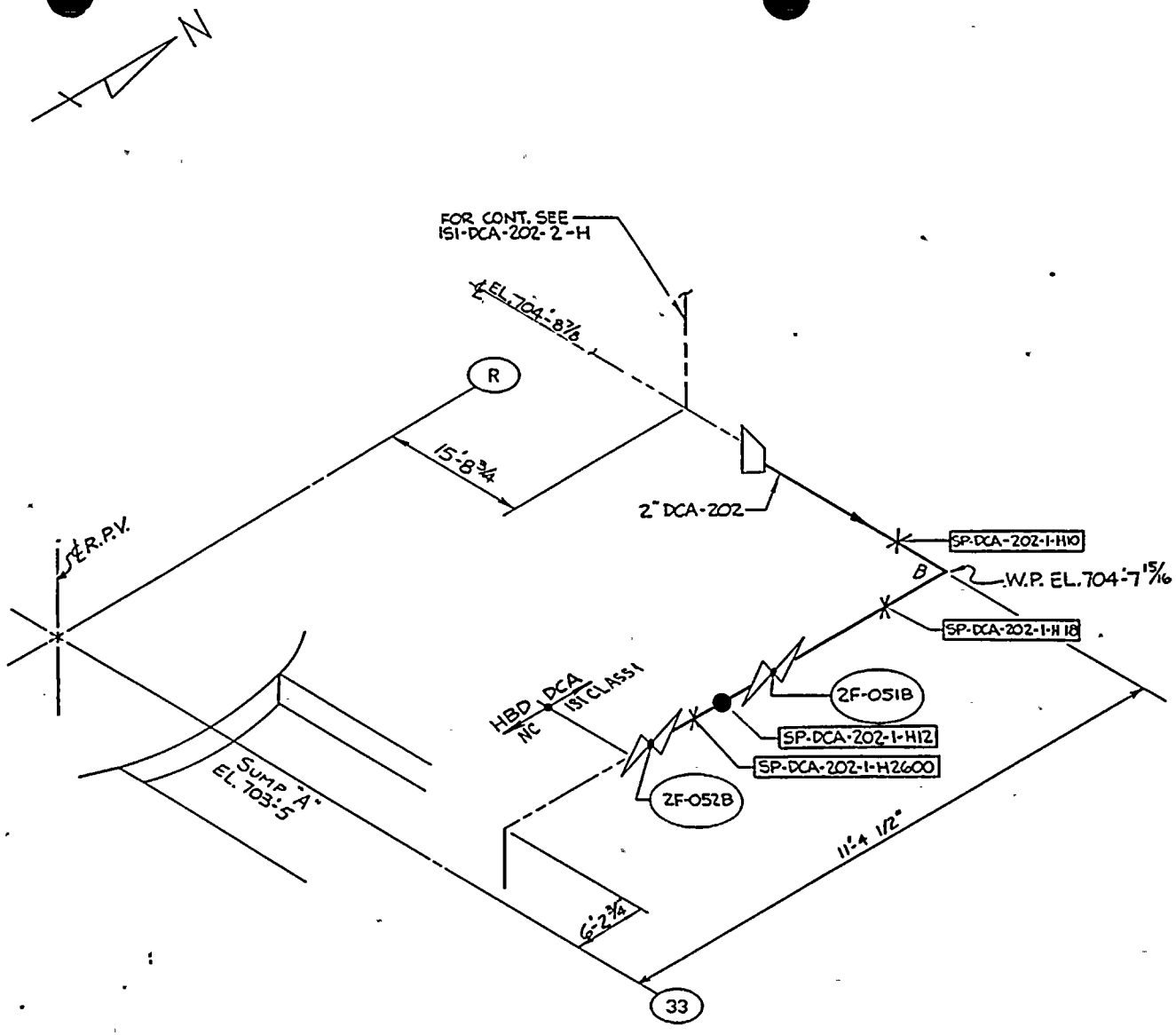
AREA 31 | ELEV. 704'-0" | SCALE- NONE

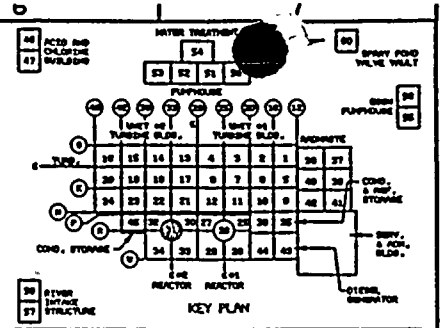
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201292 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCA-242-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 | G | G | G | G | M | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	AUXILIARY BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
18		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

SP-DCA-202-1 R12	SP-DCA-202-1
M-2143 (RR)	E-105943
SP-31-15	E-162279 SH.15
SP-31-2C	E-162279 SH.2C
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.	GH	KJ	JH	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

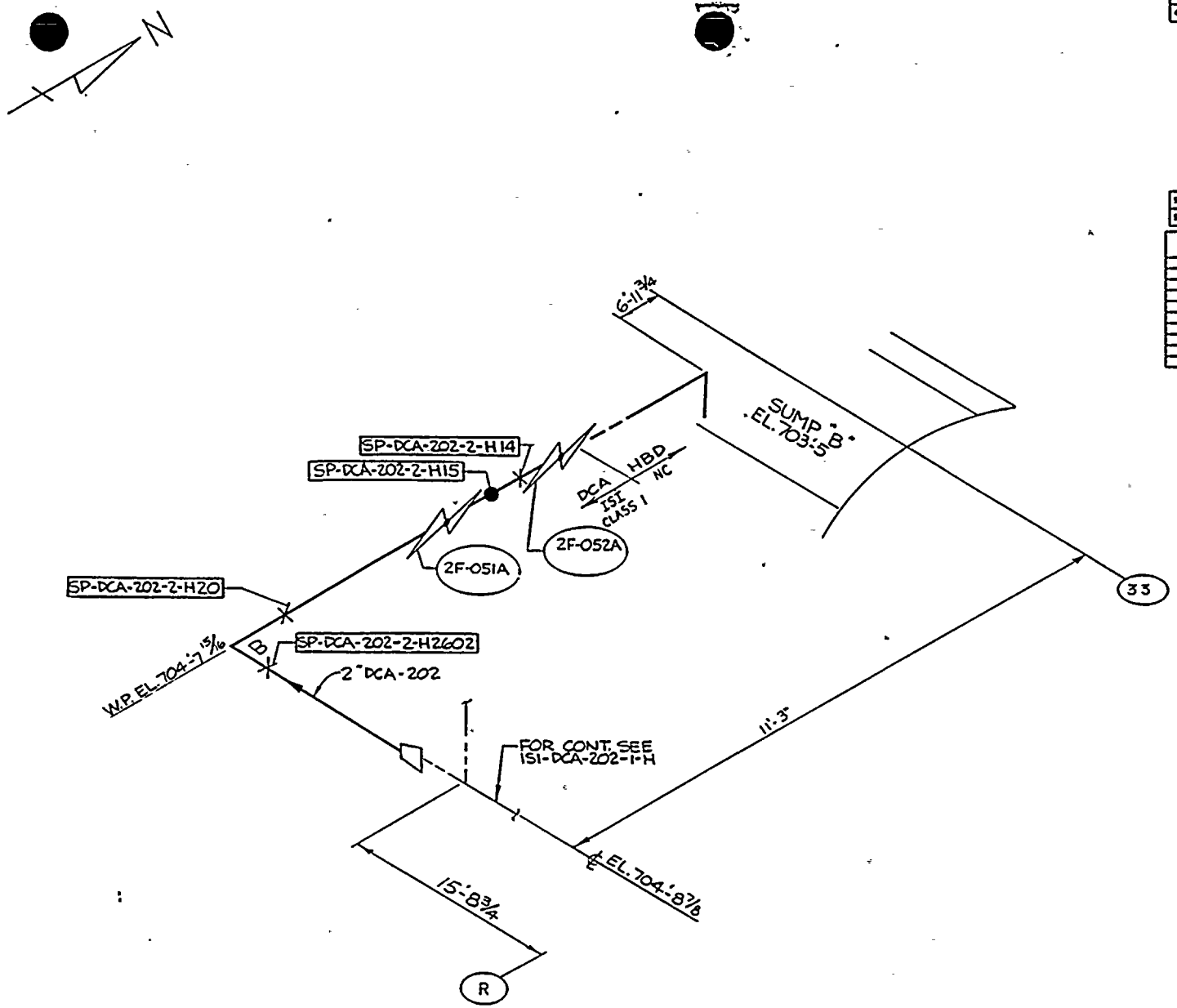
ISI-SP-DCA-202-1-H

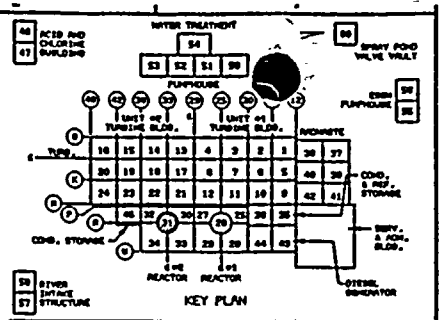
AREA 31 | ELEV. 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-199502	1	0

AE DRAWING NO.
ISI-SP-DCA-202-1-H





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	668'-9"	695'-9"	698'-9"	699'-9"		
2	679'-9"	679'-9"	698'-9"	677'-9"	704'-9"	679'-9"
3	688'-9"	692'-9"	679'-9"	718'-9"	718'-1"	688'-9"
4	722'-9"	718'-9"	691'-9"		738'-11 1/2"	714'-9"
5	732'-9"	749'-1"			752'-2 1/2"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		918'-1"				754'-9"
12					791'-1"	771'-9"
14					808'-9"	782'-9"
19		799'-1"				808'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

SP-DCA-202-2 R12	SP-DCA-202-2
FCI-PS1-7503	
M-2143 (RR)	E-105943
SP-31-15	E-162279 SH.15
SP-31-28	E-162279 SH.28
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	GH	RM	JEB	11/11/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-SP-DCA-202-2-H

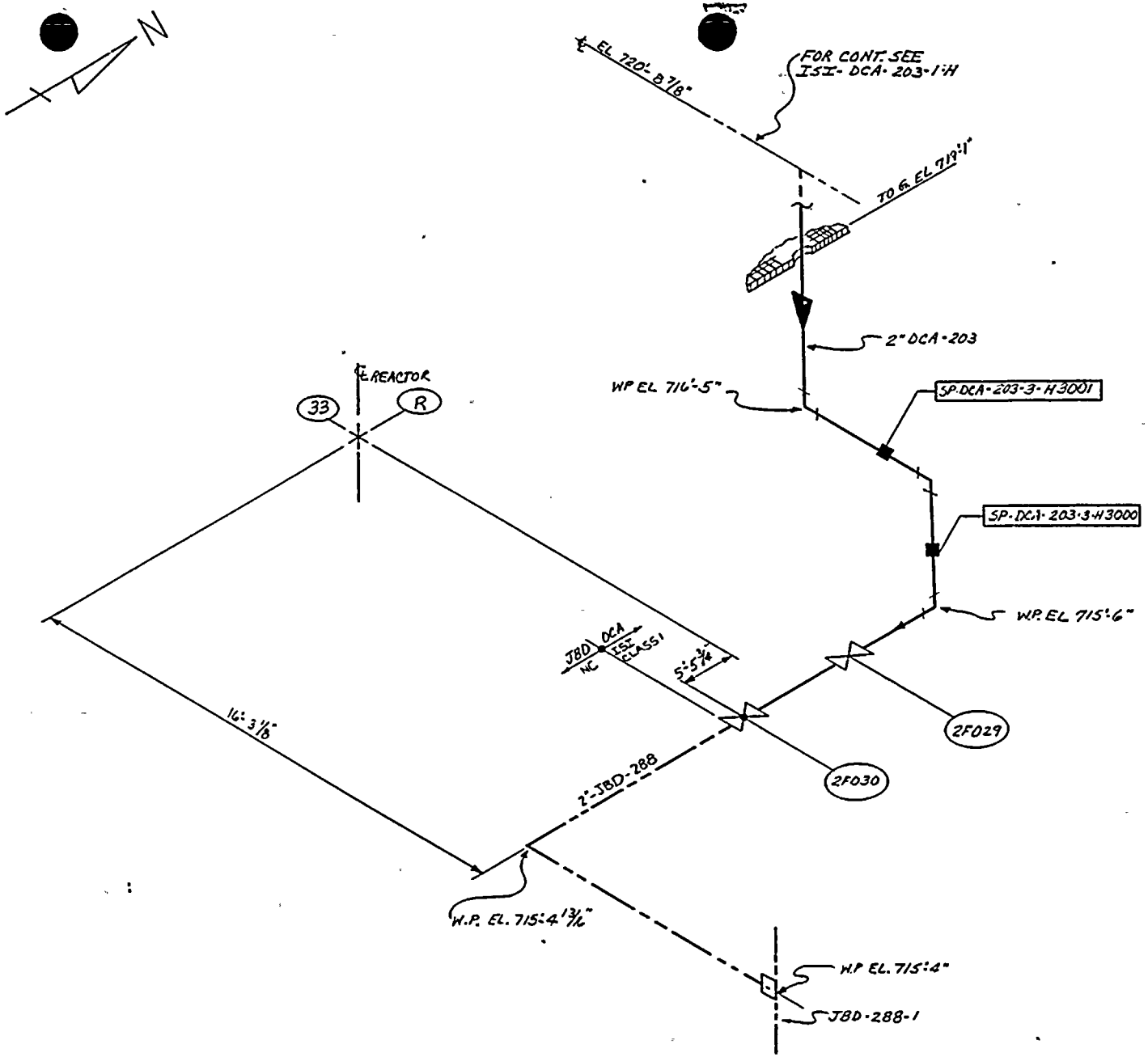
AREA 31 | ELEV. 704'-0 | SCALE- NONE

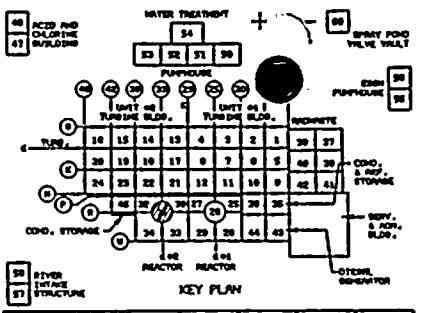
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201264 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-SP-DCA-202-2-H

G2Z20 G G G G H





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MAGNETITE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-9"	699'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	754'-9"	679'-9"
3	699'-9"	697'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	729'-9"	719'-9"	697'-9"		729'-11 1/4"	719'-9"
5	739'-9"	749'-1"			732'-7 1/2"	729'-9"
6	719'-9"	779'-1"			779'-1"	739'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					808'-9"	789'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

SP-DCA-203-3 (REV. 11)	
M-2144 (RWCU)	E-105944
SP-31-2	E-162279
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	S.L.	PJ	SK	MCS.	5/1/

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

HANGER IDENTIFICATION

ISI-SP-DCA-203-3-H

AREA 31 | ELEV. 704'0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

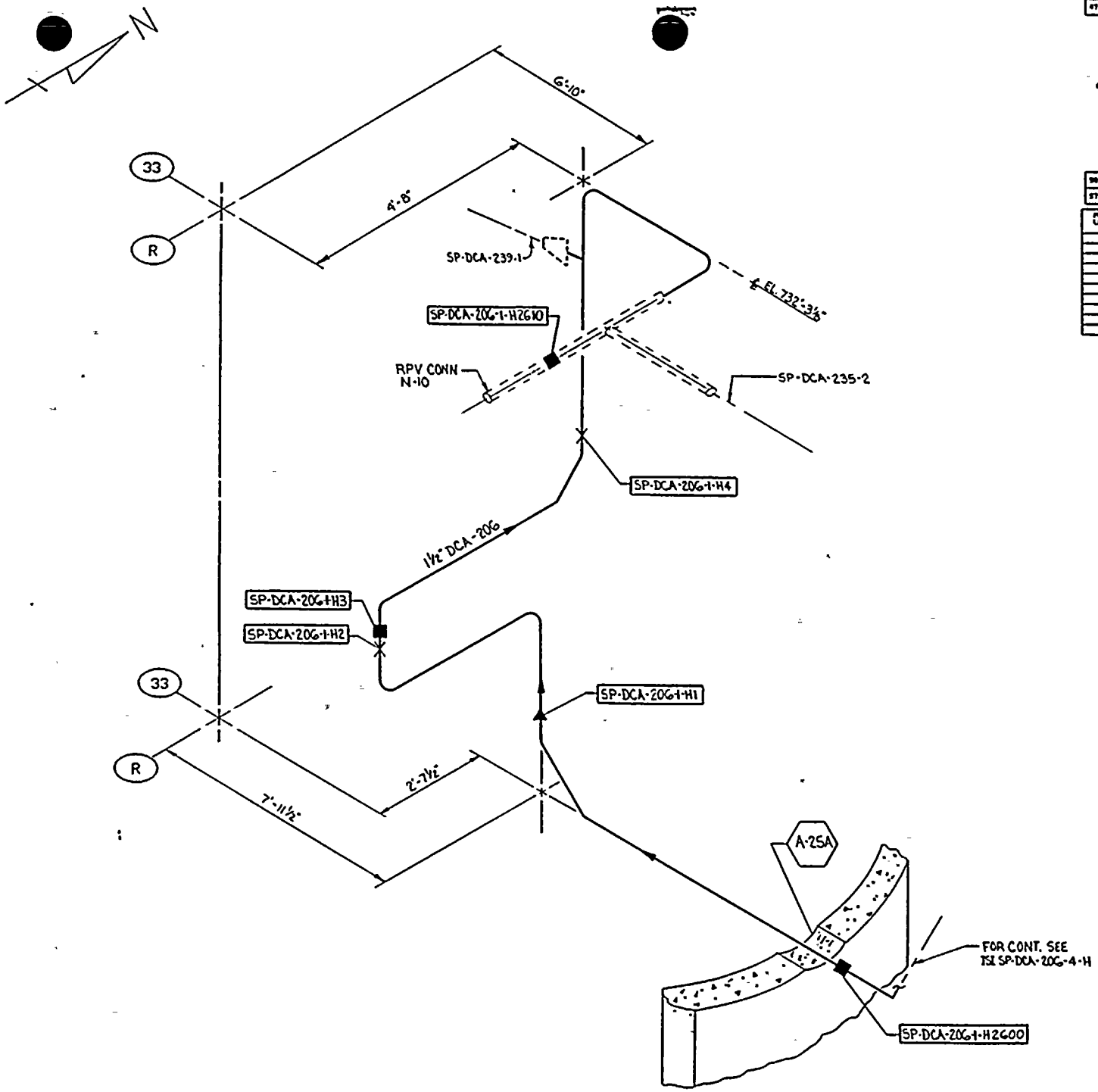
PP&L DRAWING NO. C-201430 | SHEET NO. 1 | REV. NO. 0

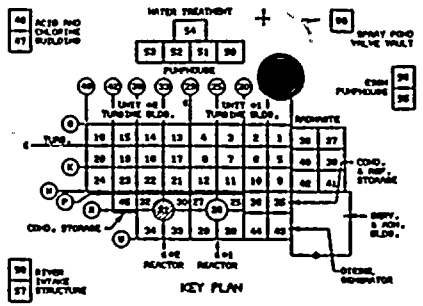
AE DRAWING NO. ISI-SP-DCA-203-3-H

0 1 2 FRACTIONAL 2 1 0 DECIMAL

G 2 Z 2 0 G G G G LOCATION CODES

M SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	INCINERATOR BLDG. EL.	DIESEL GENERATOR BLDG. EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	931'-9"	945'-9"	949'-9"	999'-9"		
2	879'-9"	879'-9"	899'-9"	877'-9"	793'-9"	879'-9"
3	899'-9"	893'-9"	879'-9"	719'-9"	719'-1"	899'-9"
4	719'-9"	719'-9"	893'-9"		779'-11 1/2"	719'-9"
5	793'-9"	749'-1"			752'-7 1/2"	793'-9"
6	714'-9"	773'-1"			779'-1"	793'-9"
7		919'-1"				754'-9"
12					793'-1"	771'-9"
14					899'-9"	793'-9"
19		799'-1"				899'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

SP-31-3 (SW QUAD)	E-162279 3B
SP-DCA-206-1 (REV15)	
SK-M-7081	
M-2142 SBLC	E-105942
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-SP-DCA-206-1-H

AREA 31 | ELEV. 719'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201300 | SHEET NO. 1 | REV. NO. 0

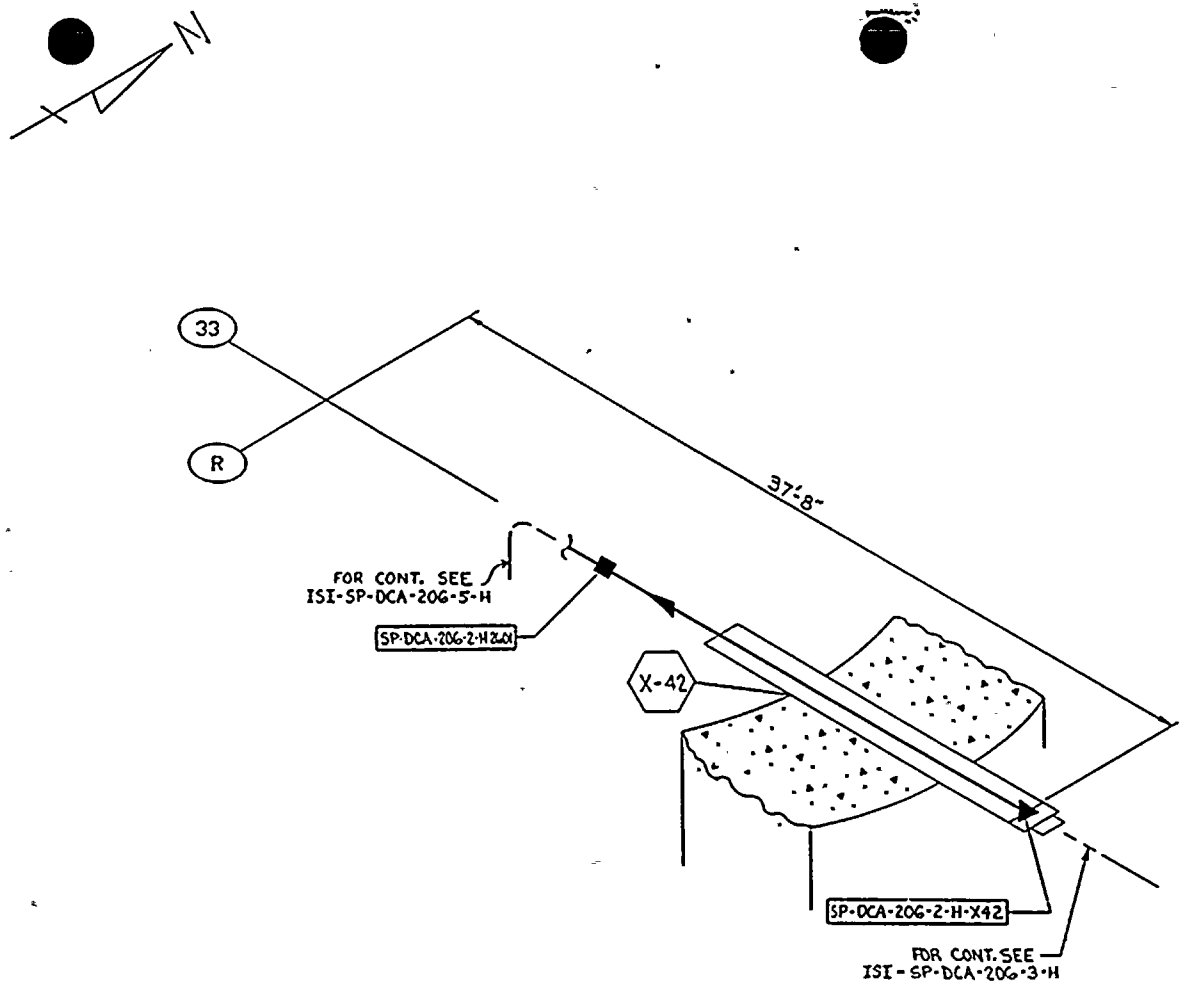
AE DRAWING NO. ISI-SP-DCA-206-1-H

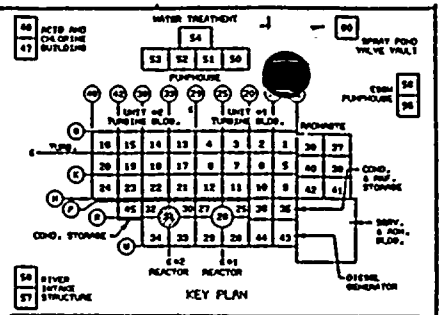
FRACTIONAL 0 1 2 DECIMAL 2 1 0

G 2 2 2 0 G G G G G M

LOCATION CODES

SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	754'-0"	695'-0"	646'-0"	660'-0"		
2	670'-0"	672'-0"	660'-0"	677'-0"	704'-0"	679'-0"
3	695'-0"	692'-0"	679'-0"	719'-0"	718'-1"	691'-0"
4	720'-0"	719'-0"	691'-0"		736'-11½"	714'-0"
5	752'-0"	748'-1"			752'-2½"	728'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		810'-1"				754'-0"
12					781'-1"	771'-0"
14					808'-0"	792'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

SP-31-4	E-162279 SH.4C
M-2148 (SBLC)	E-105942
SP-DCA-206-2	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-SP-DCA-206-2-H

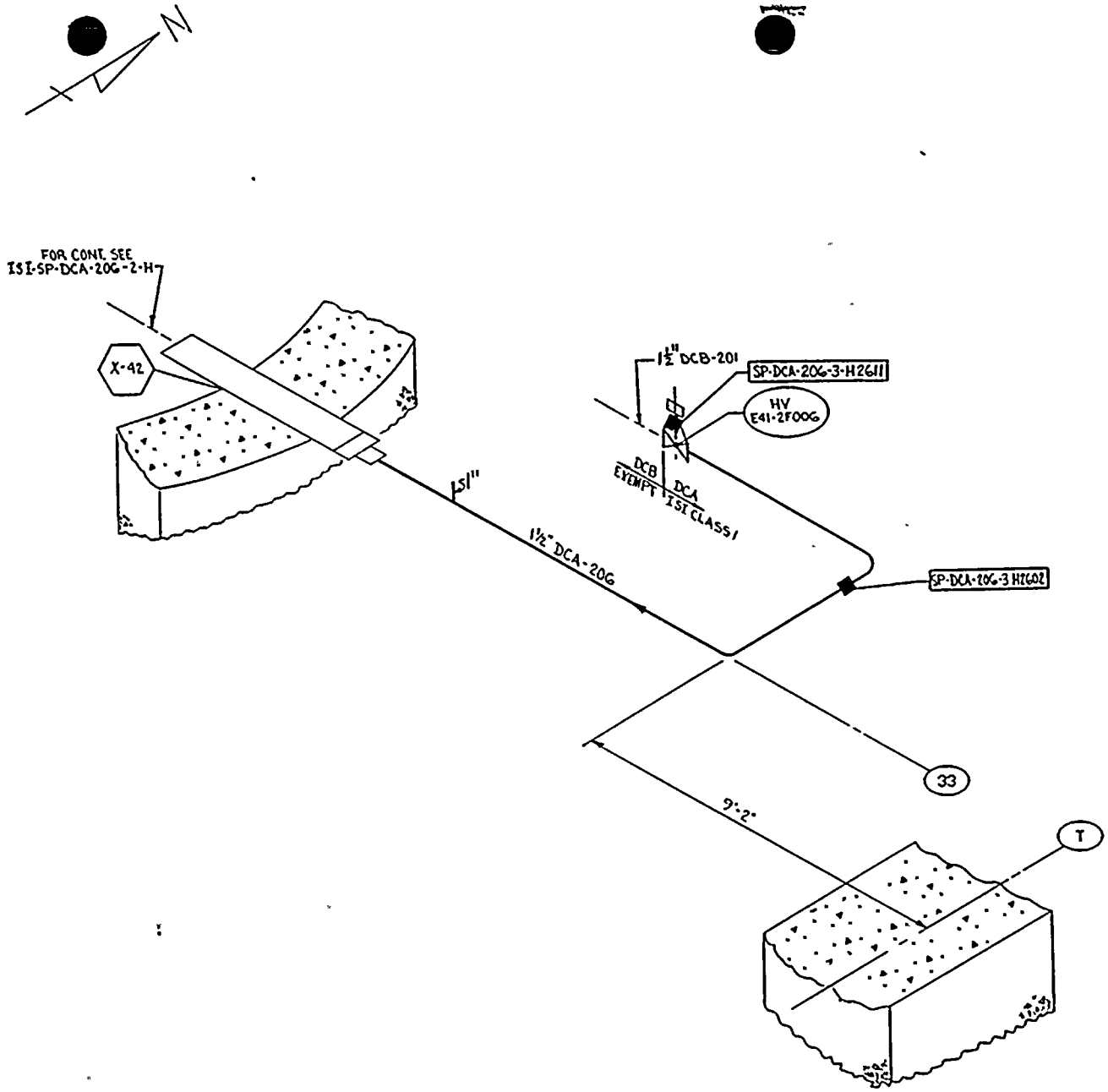
AREA 31 | ELEV. 738'-11½" | SCALE- NONE

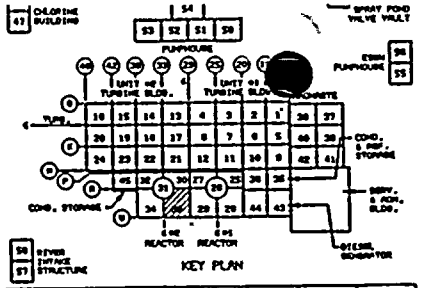
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201301 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-SP-DCA-206-2-H

FRACTIONAL DECIMAL G2220 G G G G H
LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-0"	695'-0"	699'-0"	699'-0"		
2	676'-0"	676'-0"	699'-0"	677'-0"	704'-0"	676'-0"
3	699'-0"	692'-0"	676'-0"	719'-0"	718'-1"	699'-0"
4	723'-0"	715'-0"	691'-0"		729'-11½"	715'-0"
5	732'-0"	749'-1"			734'-2½"	732'-0"
6	715'-0"	770'-1"			770'-1"	751'-0"
7		919'-1"				754'-0"
12					791'-1"	771'-0"
16					899'-0"	793'-0"
19		729'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

SP-DCA-206-3	
SP-33-5	E-162281 SH 5
M-2148 (S.L.C.S.)	E-105948
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-SP-DCA-206-3-H

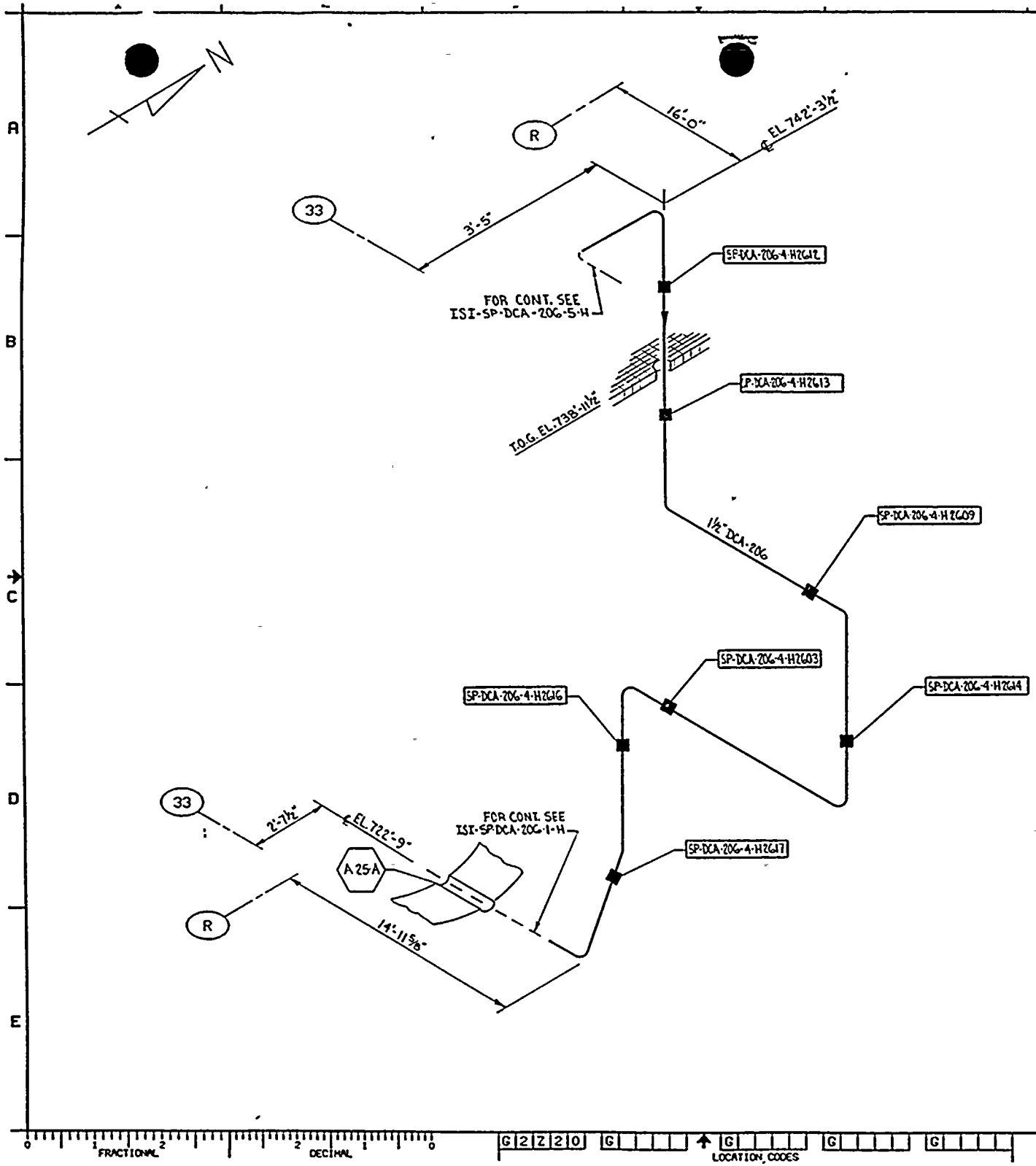
AREA 33 | ELEV. 749'-1" | SCALE- NONE

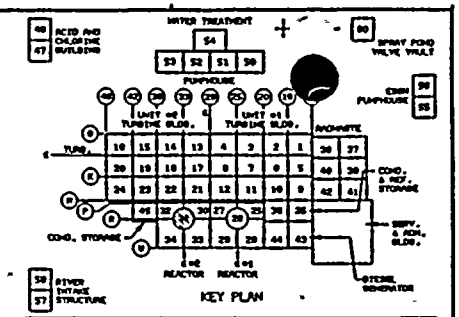
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201302 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-SP-DCA-206-3-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MACHINATE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

SP-31-4	E-162279-SH.4
SP-DCA-206-4 (ABR)	
M-2148 (SLCS.)	E-105948
SP-31-3	E-162279 SH 38
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-SP-DCA-206-4-H

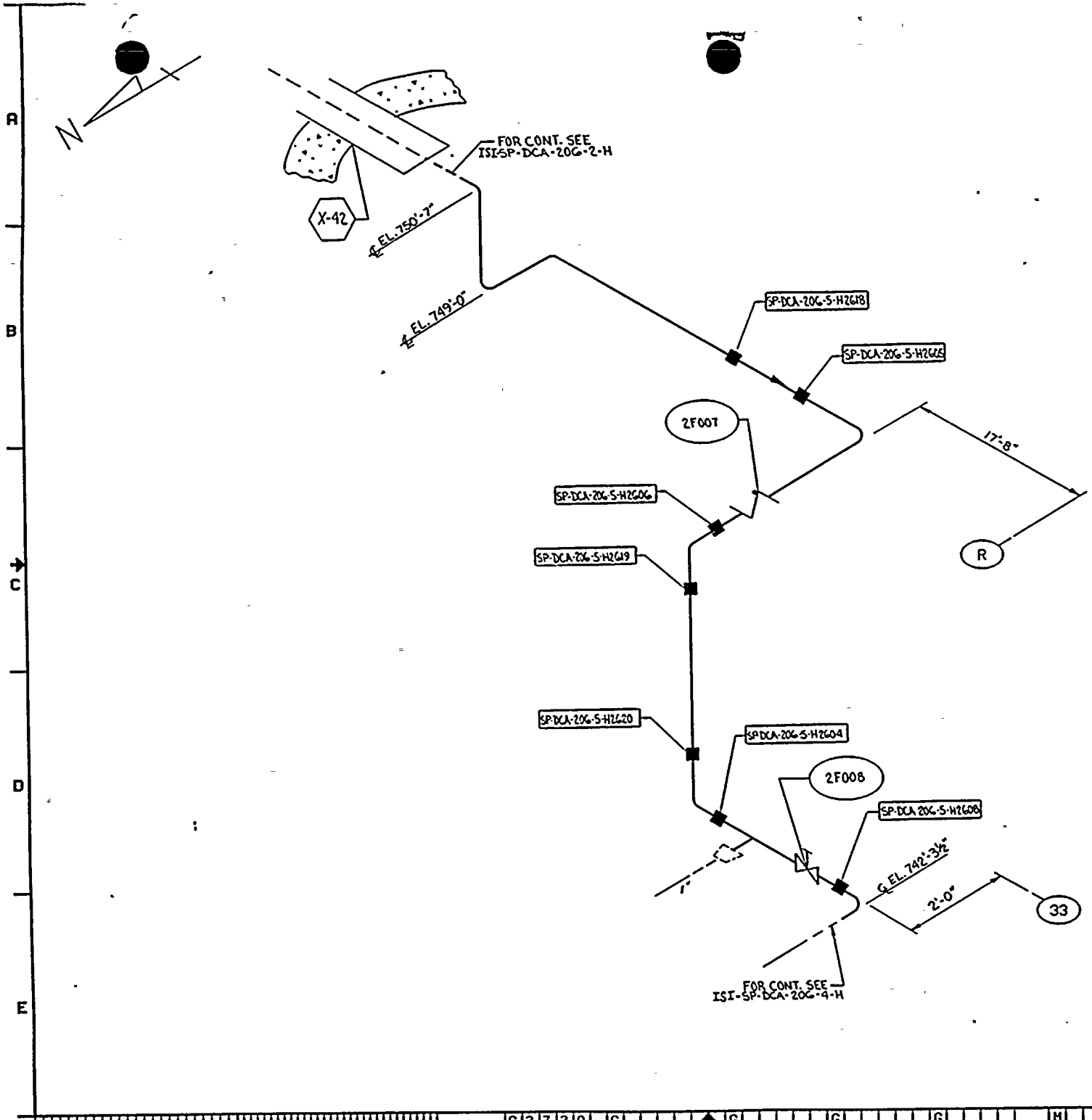
AREA 31 | ELEV. 719'-1" | SCALE- NONE

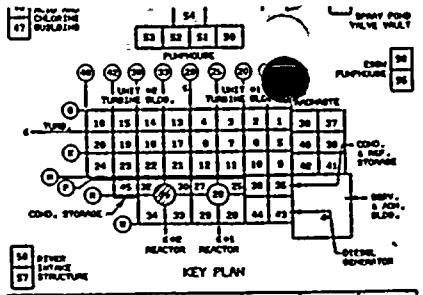
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201303 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-SP-DCA-206-4-H

FRACTIONAL DECIMAL LOCATION CODES SOPTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	CRYWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-9"	695'-9"	699'-9"	699'-9"		
2	676'-9"	679'-9"	699'-9"	677'-9"	705'-9"	676'-9"
3	699'-9"	697'-9"	676'-9"	719'-9"	718'-1"	699'-9"
4	729'-9"	711'-9"	691'-9"		728'-11½"	714'-9"
5	752'-9"	749'-1"			752'-7½"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
18		799'-1"				829'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

SP-31-3	E-162279-SH.3
SP-DCA-206-5 (ABR)	
SP-31-4	E-162279 SH.4
M-2148 (SLCS)	E-105948
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

HANGER IDENTIFICATION

ISI-SP-DCA-206-5-H

AREA 31 | ELEV. 738'-11½" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

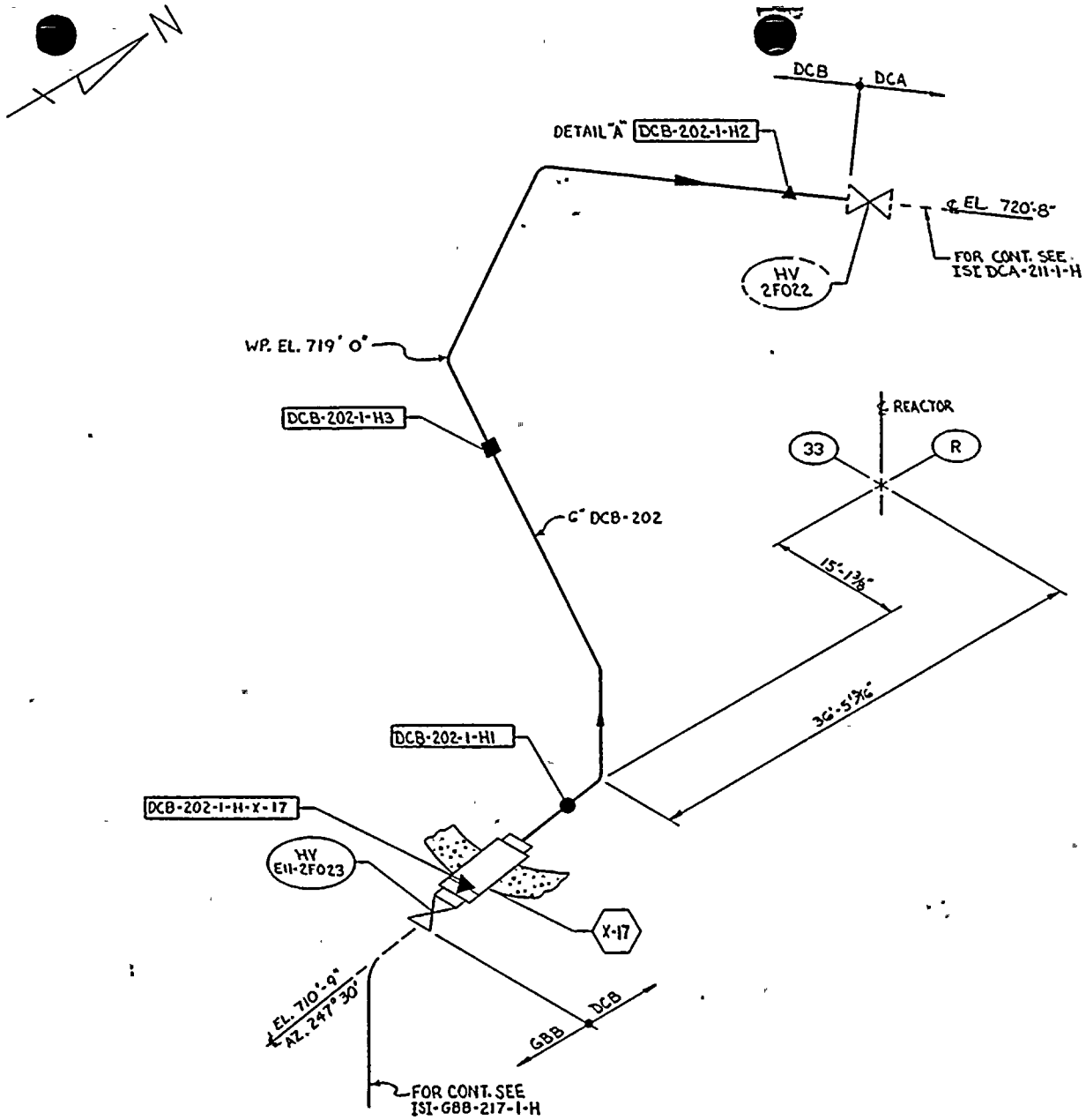
PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201304	1	0

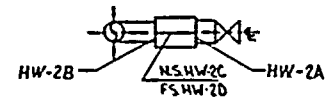
AE DRAWING NO.
ISI-SP-DCA-206-5-H

FRACTIONAL 0 1 2 DECIMAL 2 1 0

G 2 Z 2 0 | G | G | G | G | G | H

LOCATION CODES SORTS

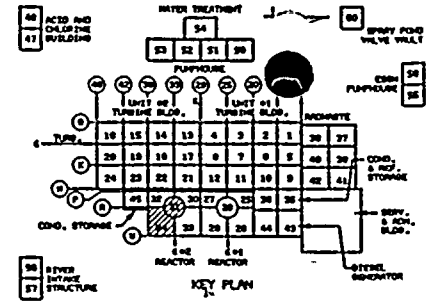




ELEV LOOKING NORTHWEST

DETAIL "A"

HANGER H2



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEEL SUPPORT EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	659'-9"	695'-9"	695'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	691'-9"	679'-9"	718'-9"	718'-1"	699'-9"
4	729'-9"	718'-9"	691'-9"		739'-11 1/2"	719'-9"
5	739'-9"	739'-1"			752'-2 1/2"	729'-9"
6	759'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	793'-9"
16		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DCB-202-1 (REV2)	
FCI-PSI-2885 SH.1	
M-2151 (RHR).	E-105951
M-31-2	E-106181 SH.2
M-31-3	E-106181 SH.3
M-34-3	E-106184 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DCB-202-1-H

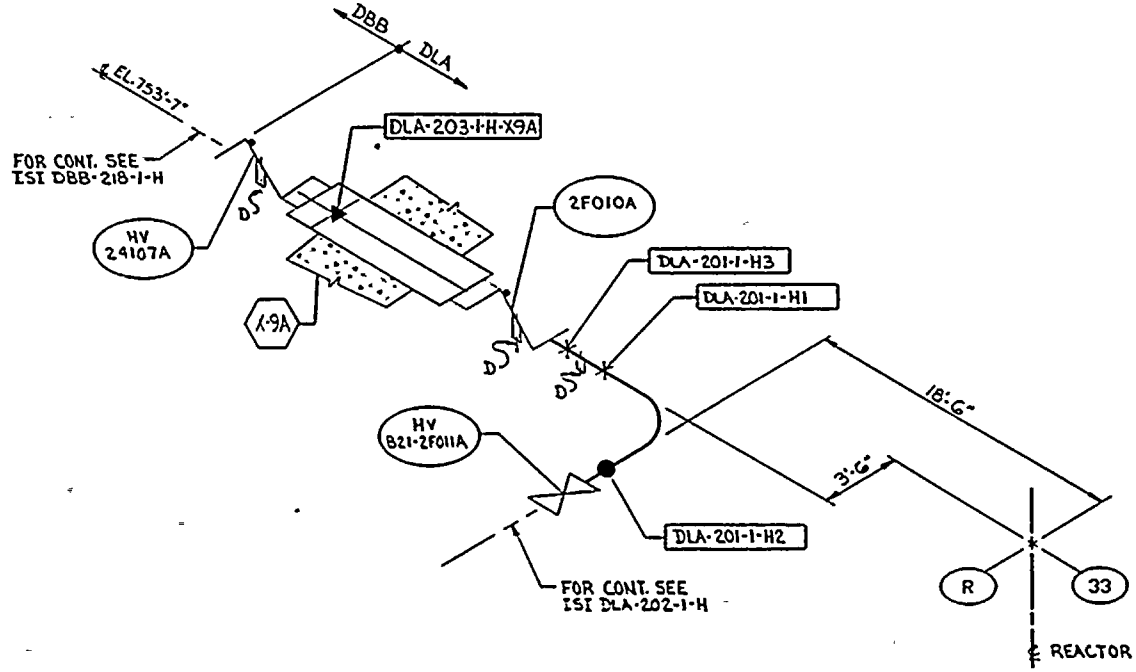
AREA 31,34 | ELEV. 704'0" | SCALE- NONE

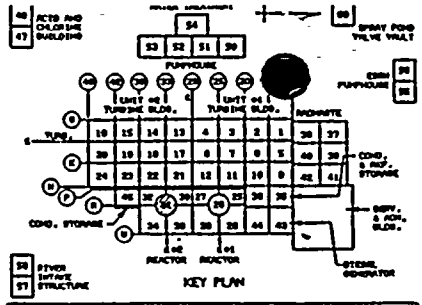
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201293 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DCB-202-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 | G | G | G | G | G | M | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	SHIELD REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	720'-9"	718'-9"	691'-9"		728'-11 1/4"	714'-9"
5	732'-9"	749'-1"			738'-2 1/4"	728'-9"
6	743'-9"	770'-1"			770'-1"	741'-9"
7		918'-1"				754'-9"
12					781'-3"	771'-9"
16					808'-9"	783'-9"
19		799'-1"				859'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DLA-201-1 (REV.5)	
FCI-PSI-2876 SH.1	
M-2141 (BOILER)	E-105941
M-31-5	E-106181 SH.5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DLA-201-1-H

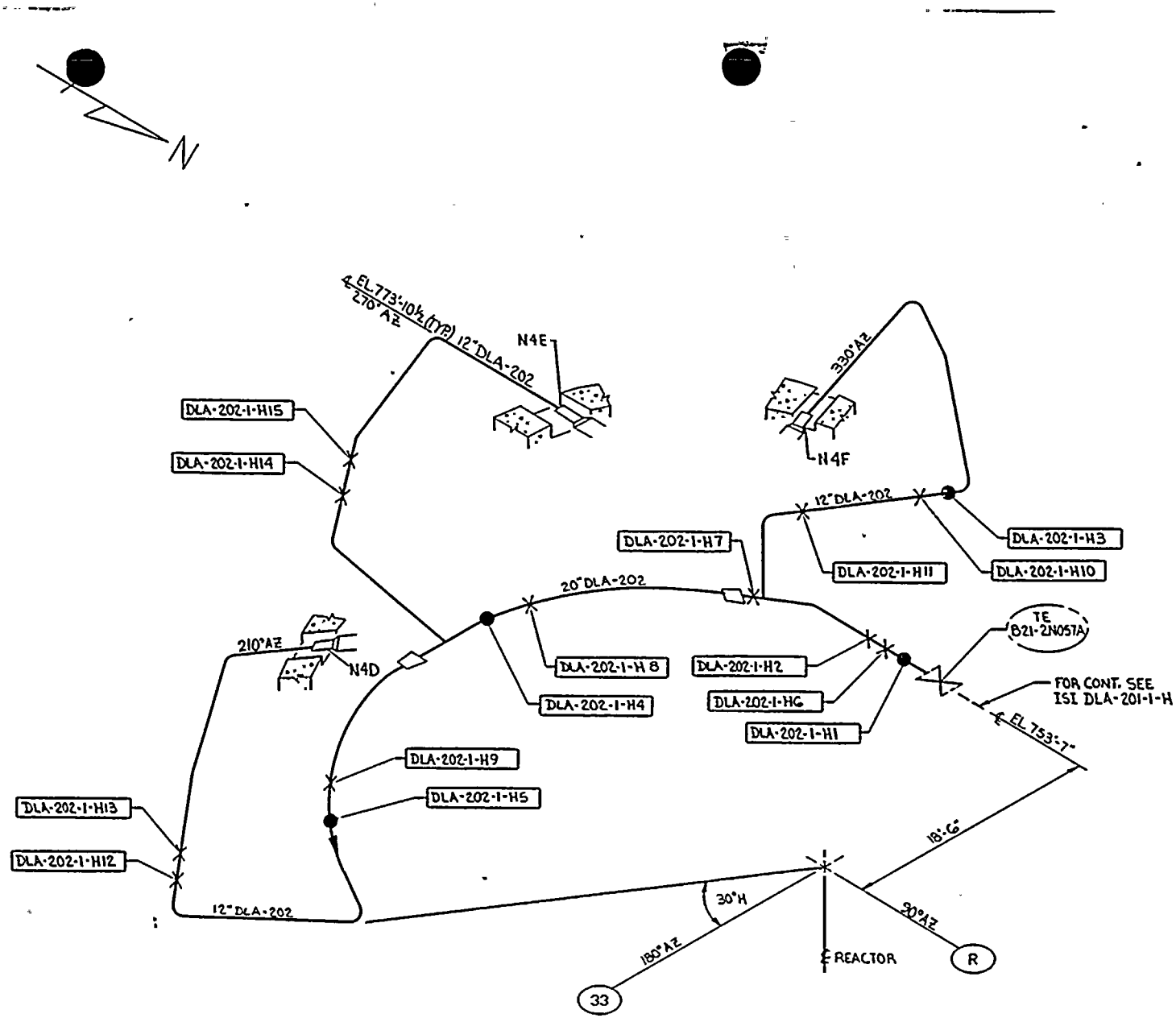
AREA 31 | ELEV. 752'-2 1/2" | SCALE- NONE

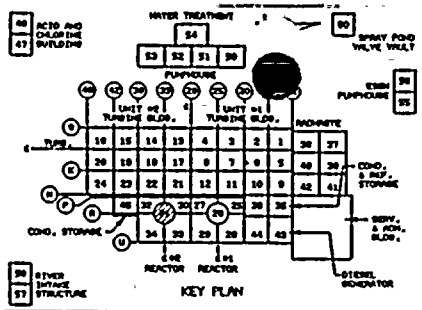
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201294 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DLA-201-1-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	578'-9"	595'-9"	595'-9"	595'-9"		
2	574'-9"	574'-9"	590'-9"	571'-9"	704'-9"	574'-9"
3	599'-9"	592'-9"	574'-9"	719'-9"	719'-1"	599'-9"
4	722'-9"	718'-9"	591'-9"		722'-11½"	714'-9"
5	742'-9"	748'-1"			752'-2½"	722'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DLA-202-1 (REV. 3)	
FCI-P51-287G SH.1&2	
M-214 1 (BOILER)	E-105941
M-31-5	E-106181 SH. 5
M-31-12	E-106181 SH. 12
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DLA-202-1-H

AREA 31 | ELEV. 752'-2½" | SCALE- NONE

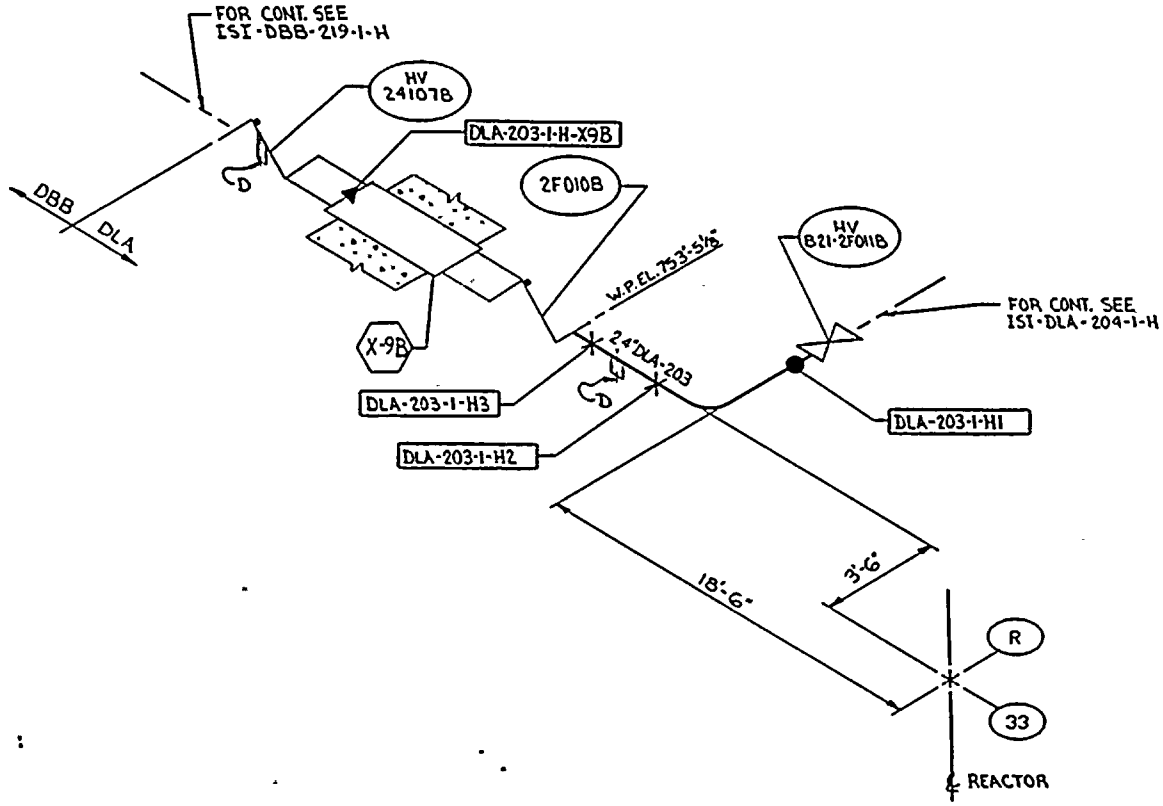
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

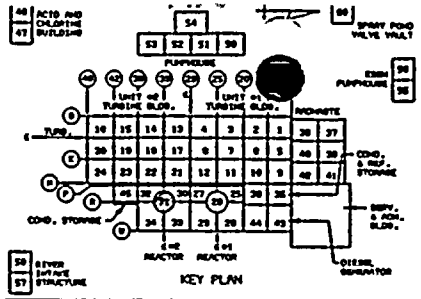
PP&L DRAWING NO. C-201295 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DLA-202-1-H

FRACTIONAL DECIMAL

G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	AUXILIARY BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	645'-0"	649'-0"	649'-0"		
2	676'-0"	676'-0"	692'-0"	677'-0"	704'-0"	676'-0"
3	699'-0"	693'-0"	679'-0"	718'-0"	713'-1"	699'-0"
4	722'-0"	713'-0"	691'-0"		729'-11½"	719'-0"
5	752'-0"	749'-1"			752'-2½"	729'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	793'-0"
19		794'-1"				824'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DLA-203-1-(REV.5)	
FCI-PSI-2880 SHT. 1	
M-2141(BOILER)	E-105941
M-31-5	E-106181 SH.5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-DLA-203-1-H

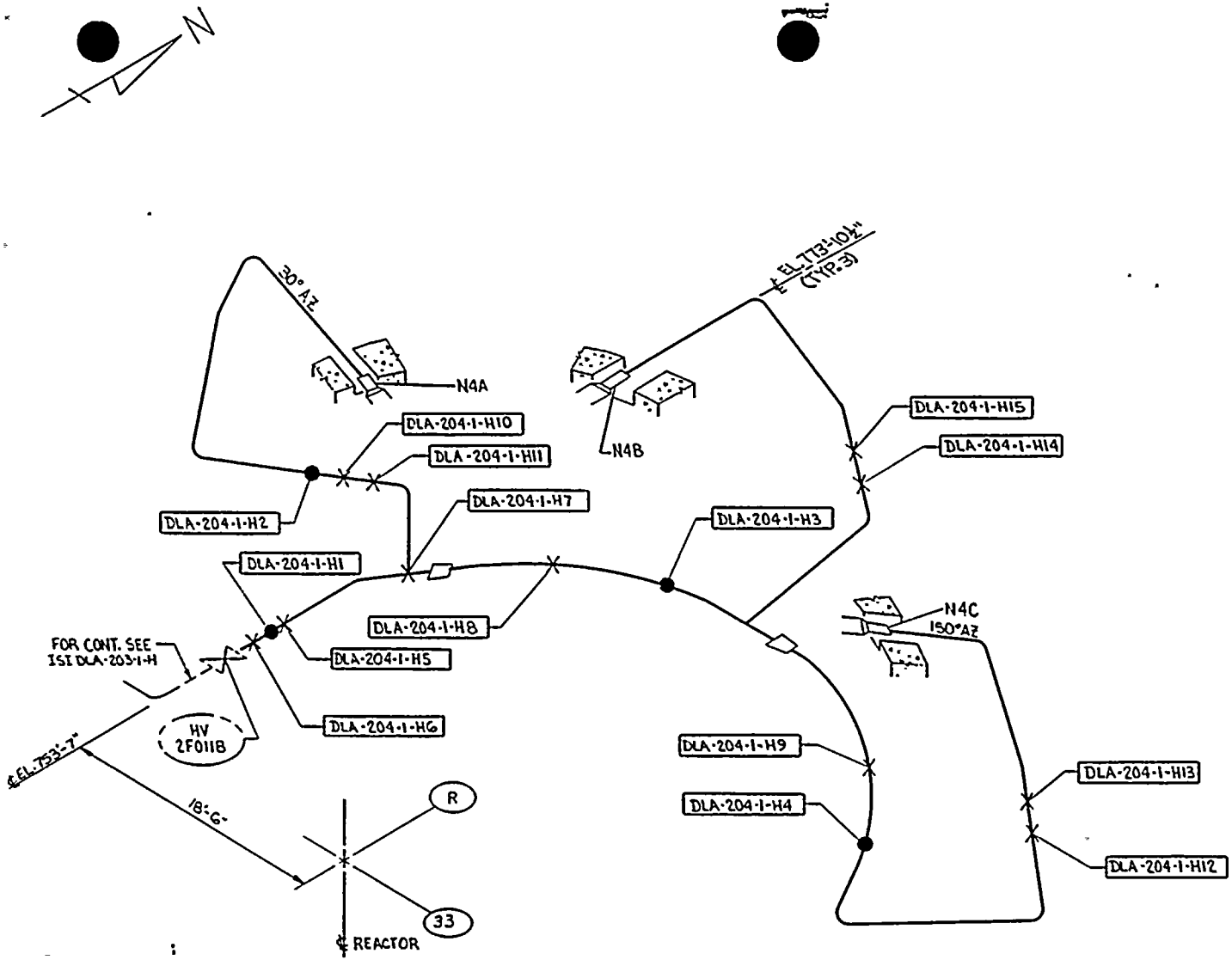
AREA 31 | ELEV. 752'-2½" | SCALE- NONE

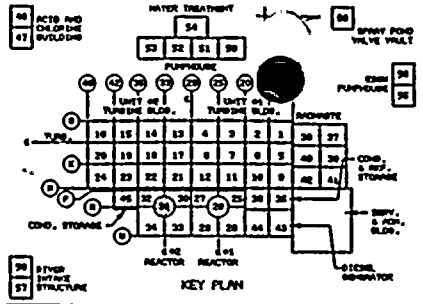
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201296 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DLA-203-1-H

FRACTIONAL DECIMAL G 2 Z 2 0 G LOCATION CODES G G G M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DIFFUSEL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	659'-9"	645'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	697'-9"	679'-9"	714'-9"	719'-1"	699'-9"
4	719'-9"	719'-9"	691'-9"		738'-11 1/4"	719'-9"
5	739'-9"	739'-1"			752'-7 1/4"	739'-9"
6	759'-9"	759'-1"			779'-1"	759'-9"
7		819'-1"				759'-9"
12					789'-1"	779'-9"
14					809'-9"	799'-9"
19		799'-1"				859'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2880 SHT 1&2	
DLA-204-1 (REV 4)	
M-214 1 (BLR)	E-105941 .
M-31-5	E-106181 SH.5
M-31-12	E-106181 SH.12
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

HANGER IDENTIFICATION

ISI-DLA-204-1-H

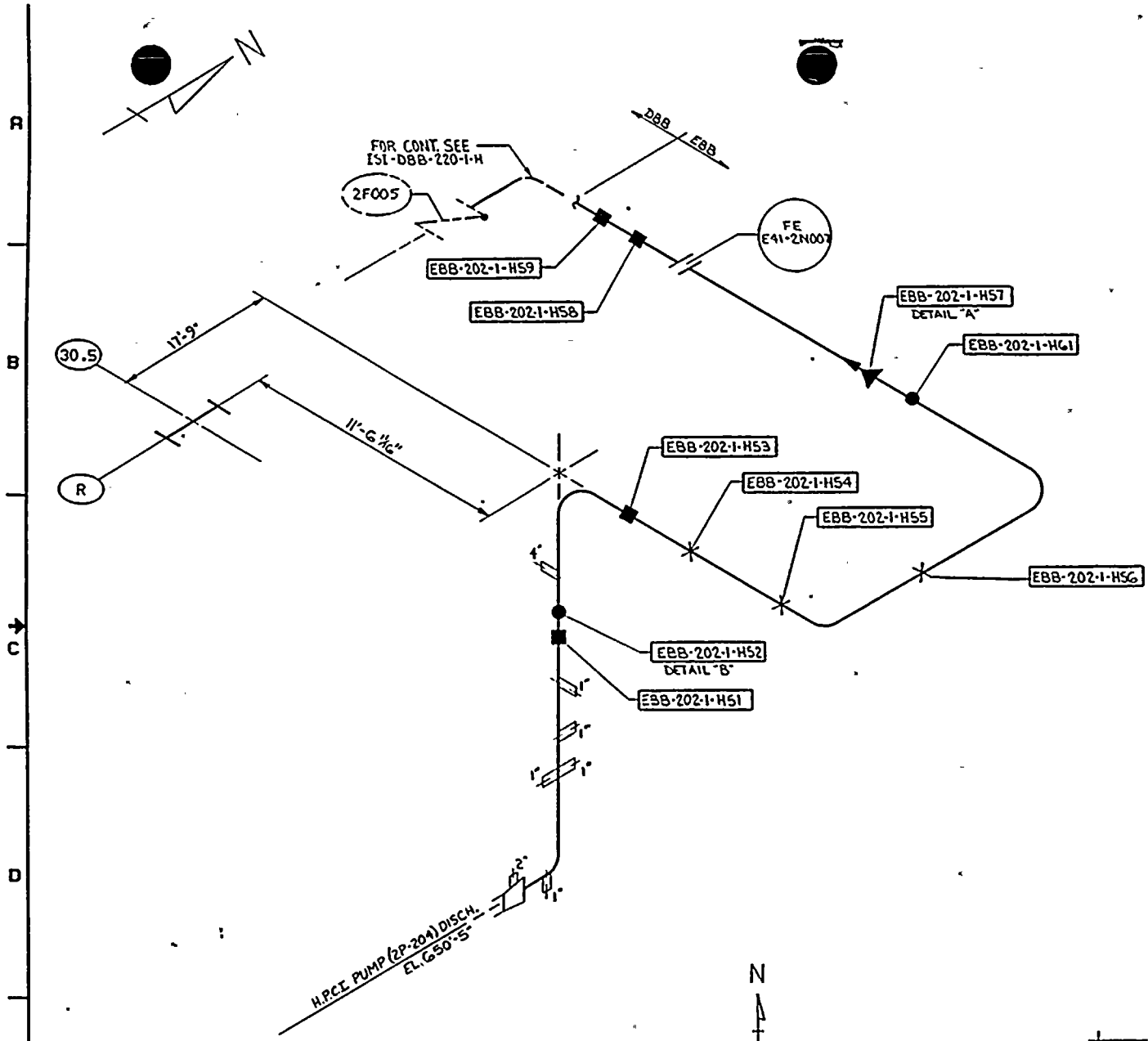
AREA 31 | ELEV. 752'-2½" | SCALE- NONE

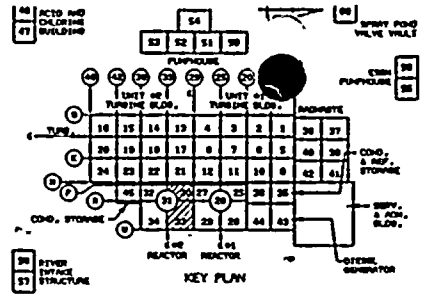
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201297 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-DLA-204-1-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	659'-9"	645'-9"	649'-9"	690'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	729'-9"	719'-9"	693'-9"		729'-11 1/4"	719'-9"
5	752'-9"	749'-1"			752'-2 1/4"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	793'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2155 (HPCI)	E-105955
M-2156 (HPCI)	E-105956
M-30-1	E-106180 SH.1
M-33-1	E-106183 SH.1
EBB-202-1 (REV3)	
FCI-PSI-2838	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

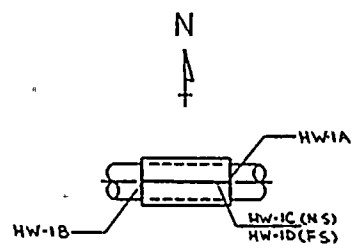
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-EBB-202-1-H

AREA 30.33 | ELEV. 645'-0" | SCALE- NONE

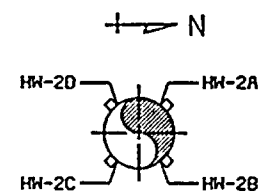
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201298 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-EBB-202-1-H

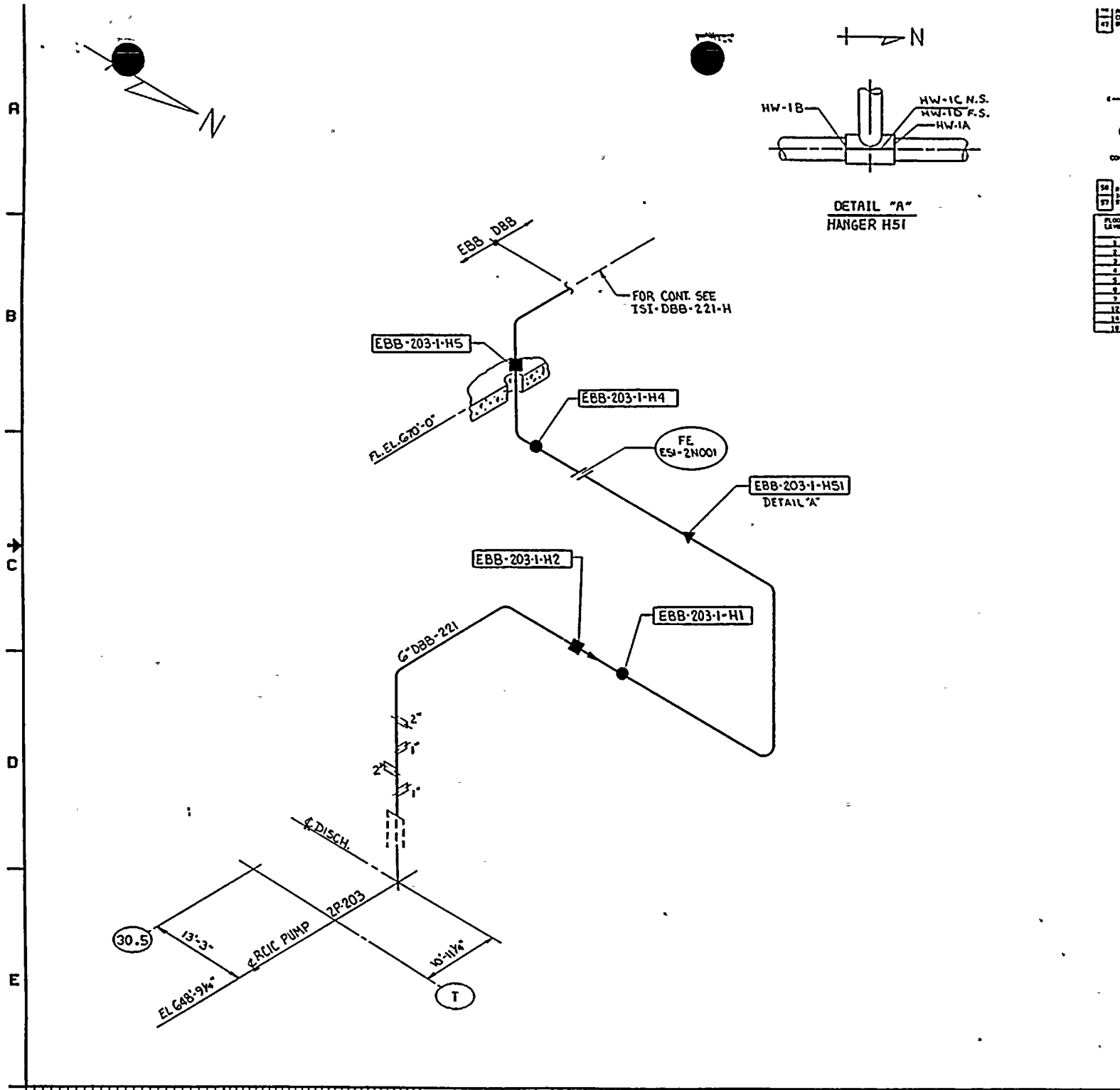


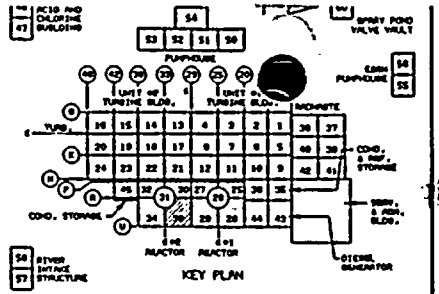
DETAIL "A"
HANGER H57



DETAIL "B"
HANGER H52

0 FRACTIONAL 2 DECIMAL 1 0 | G 2 2 2 0 | G | G | G





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	650'-9"	645'-9"	646'-9"	646'-9"		
2	676'-9"	675'-9"	699'-9"	677'-9"	704'-9"	676'-9"
3	690'-9"	691'-9"	676'-9"	719'-9"	719'-1"	698'-9"
4	720'-9"	711'-9"	691'-9"		729'-11¼"	714'-9"
5	732'-9"	740'-1"			732'-2¼"	723'-9"
6	715'-9"	770'-1"			770'-1"	741'-9"
7		810'-1"				754'-9"
12					781'-1"	771'-9"
16					809'-9"	793'-9"
18		799'-1"				808'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2855	
EBB-203-1 (REVG)	
M-33-1	E-106183
M-2150 (RCIC)	E-105950
M-2149 (RCIC)	E-105949
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC

HANGER IDENTIFICATION
ISI-EBB-203-1-H

AREA 33 | ELEV. 670'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

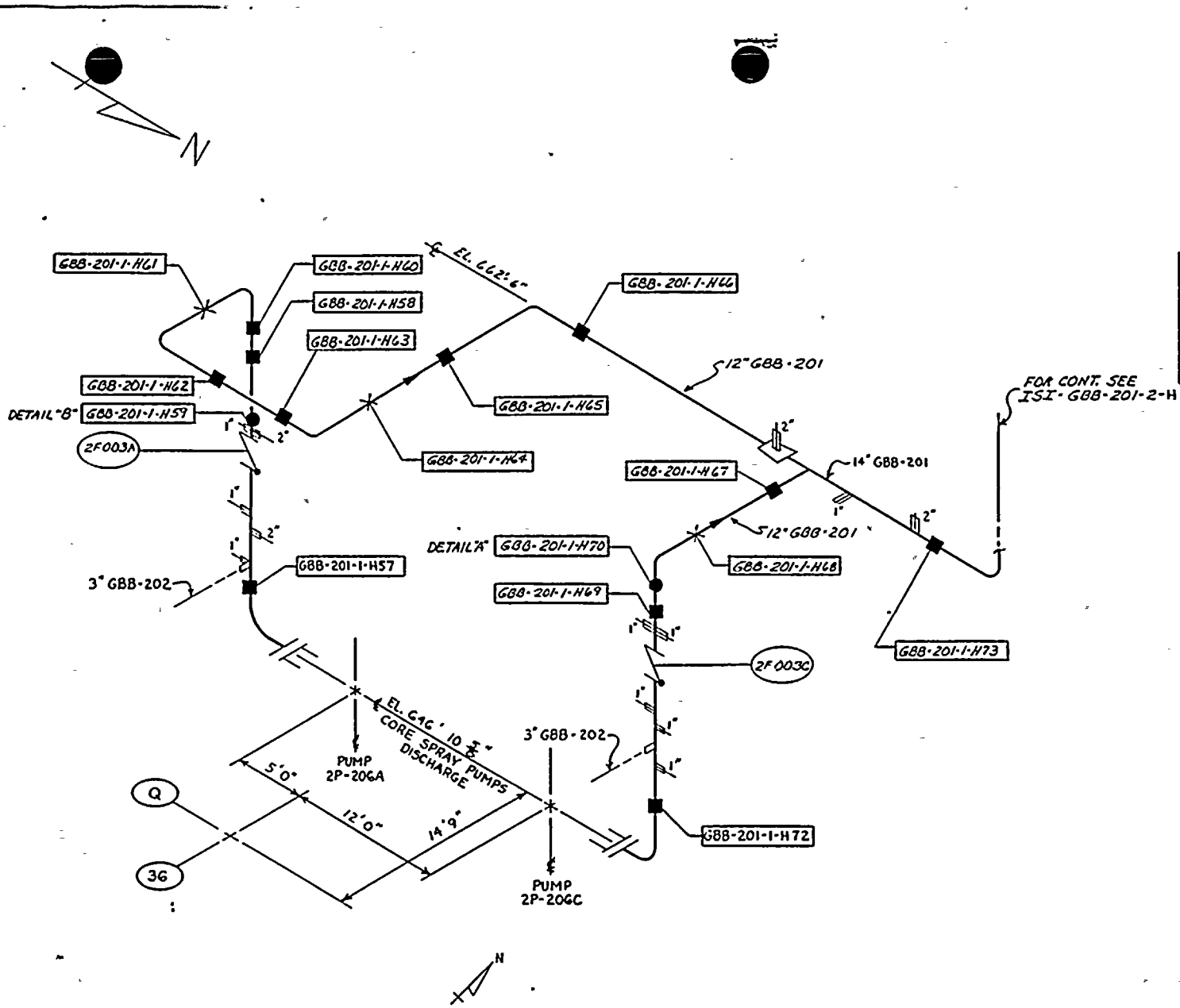
PP&L DRAWING NO. C-201299 | SHEET NO. 1 | REV. NO. 0

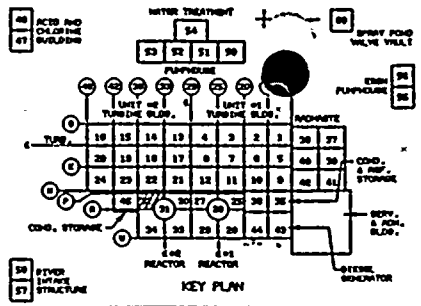
AE DRAWING NO. ISI-EBB-203-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 Z 2 0 | G | G | G | G | H

LOCATION CODES | SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	SPRAYALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	595'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	701'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	729'-9"	719'-9"	691'-9"		729'-11½"	714'-9"
5	752'-9"	749'-1"			752'-7½"	729'-9"
6	714'-9"	779'-1"			779'-1"	751'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	793'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBB-201-1 (REV. 2)	
FCI-P51-2833	
M-2152 (CORE SPRAY)	E-105952
M-32-1	E-106182 SH. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.	S.Z.	TJ		HLS.	9/11/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-GBB-201-1-H

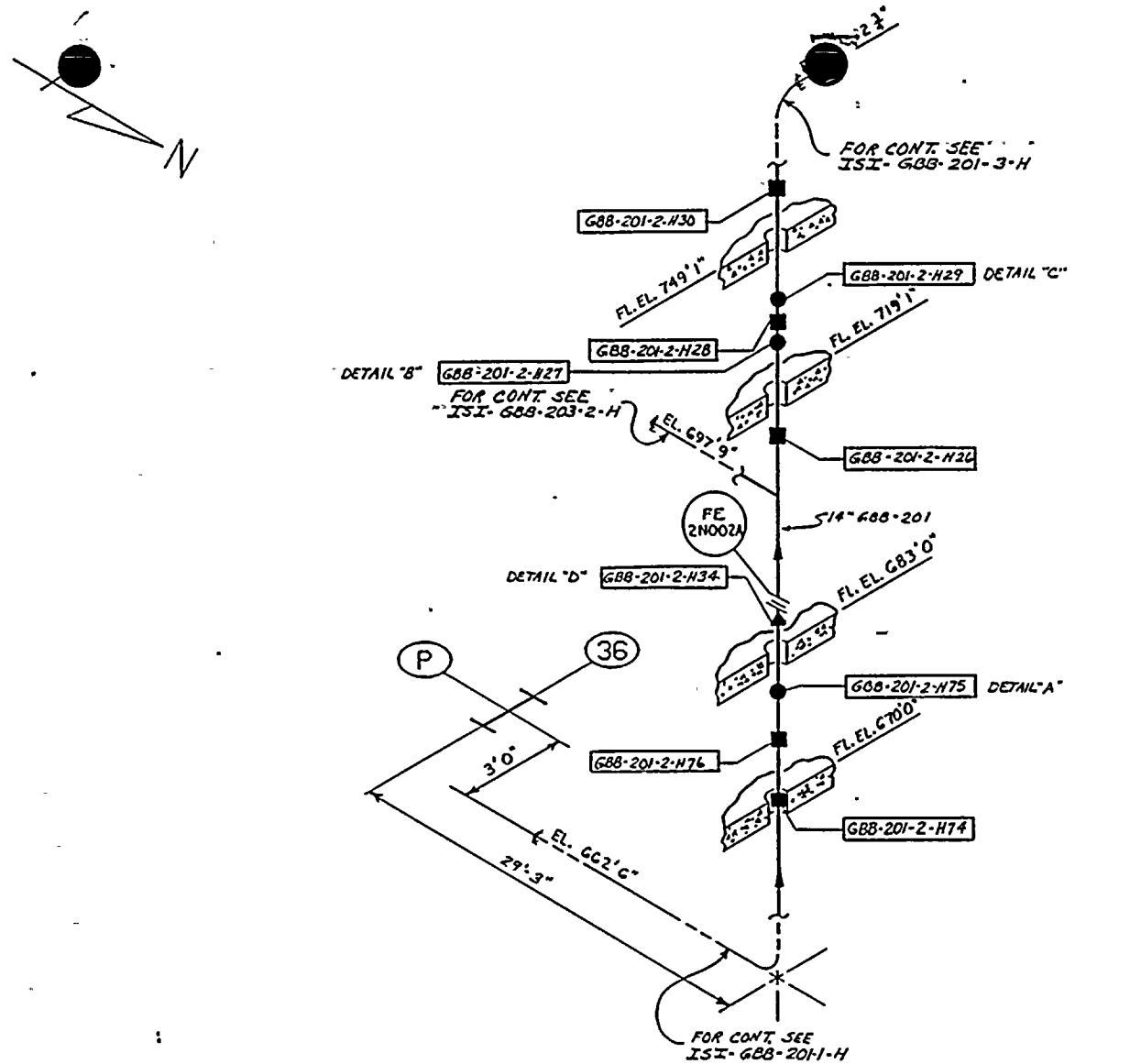
AREA 32 | ELEV. 645'0" | SCALE- NONE

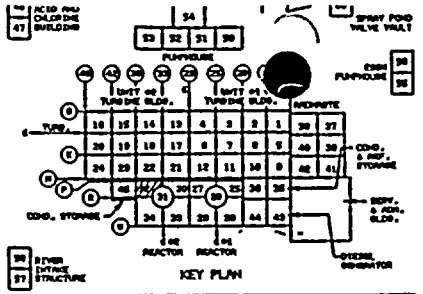
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201305 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-201-1-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CONTROL BUILDING REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-0"	999'-0"	999'-0"	999'-0"		
2	979'-0"	979'-0"	999'-0"	977'-0"	701'-0"	979'-0"
3	999'-0"	997'-0"	979'-0"	719'-0"	719'-0"	999'-0"
4	739'-0"	739'-0"	991'-0"		739'-11.25"	739'-0"
5	759'-0"	759'-1"			759'-11.25"	759'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		919'-1"				754'-0"
12					791'-1"	771'-0"
14					999'-0"	789'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBB-201-2 (REV. 4)	
FCI-PSI-2833	
M-2152 (CORE SPRAY)	E-105952
M-32-1	E-106182 SH. 1
M-32-2	E-106182 SH. 2
M-32-3	E-106182 SH 3
M-32-4	E-106182 SH. 4
M-32-5	E-106182 SH. 5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

HANGER IDENTIFICATION

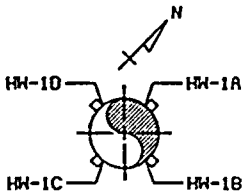
ISI-GBB-201-2-H

AREA 32 | ELEV. 645'0" | SCALE- NONE

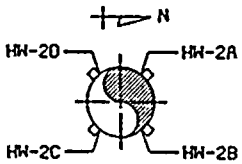
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201306 | SHEET NO. 1 | REV. NO. 0

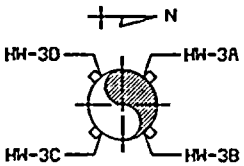
AE DRAWING NO. ISI-GBB-201-2-H



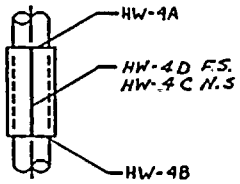
DETAIL "A"
HANGER H75



DETAIL "B"
HANGER H27

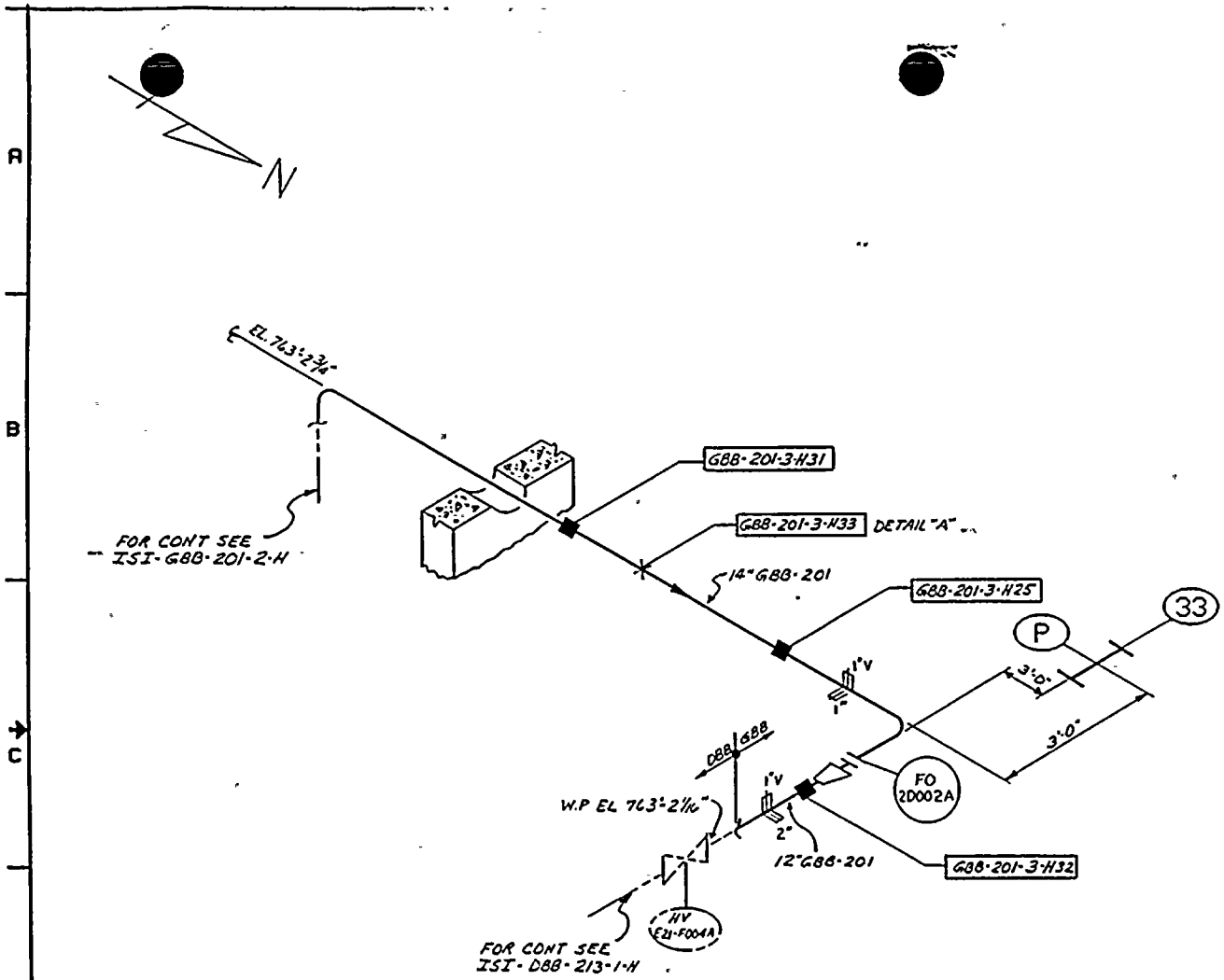


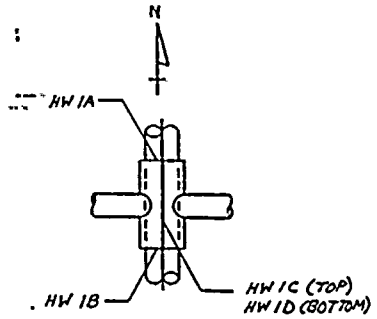
DETAIL "C"
HANGER H29



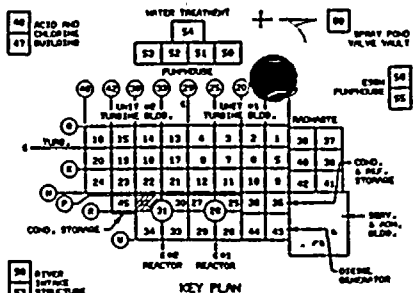
ELEV VIEW
LOOKING WEST
DETAIL "D"
HANGER H34

FRACTIONAL | DECIMAL | LOCATION CODES G2Z20 | SORTS





DETAIL "A"
HANGER H33



KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	650'-0"	645'-0"	646'-0"	649'-0"		
2	676'-0"	676'-0"	690'-0"	677'-0"	704'-0"	676'-0"
3	690'-0"	692'-0"	676'-0"	710'-0"	719'-1"	691'-0"
4	720'-0"	711'-0"	691'-0"		726'-11 1/16"	714'-0"
5	742'-0"	748'-1"			732'-2 1/16"	722'-0"
6	749'-0"	770'-1"			770'-1"	741'-0"
7		810'-1"				754'-0"
12					781'-1"	771'-0"
16					808'-0"	783'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBB-201-3 (REV.3)	
FCI-PSI-2833	
M-2152 (CORE SPRAY)	E-105952
M32-5	E-106182 SH. 5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-201-3-H

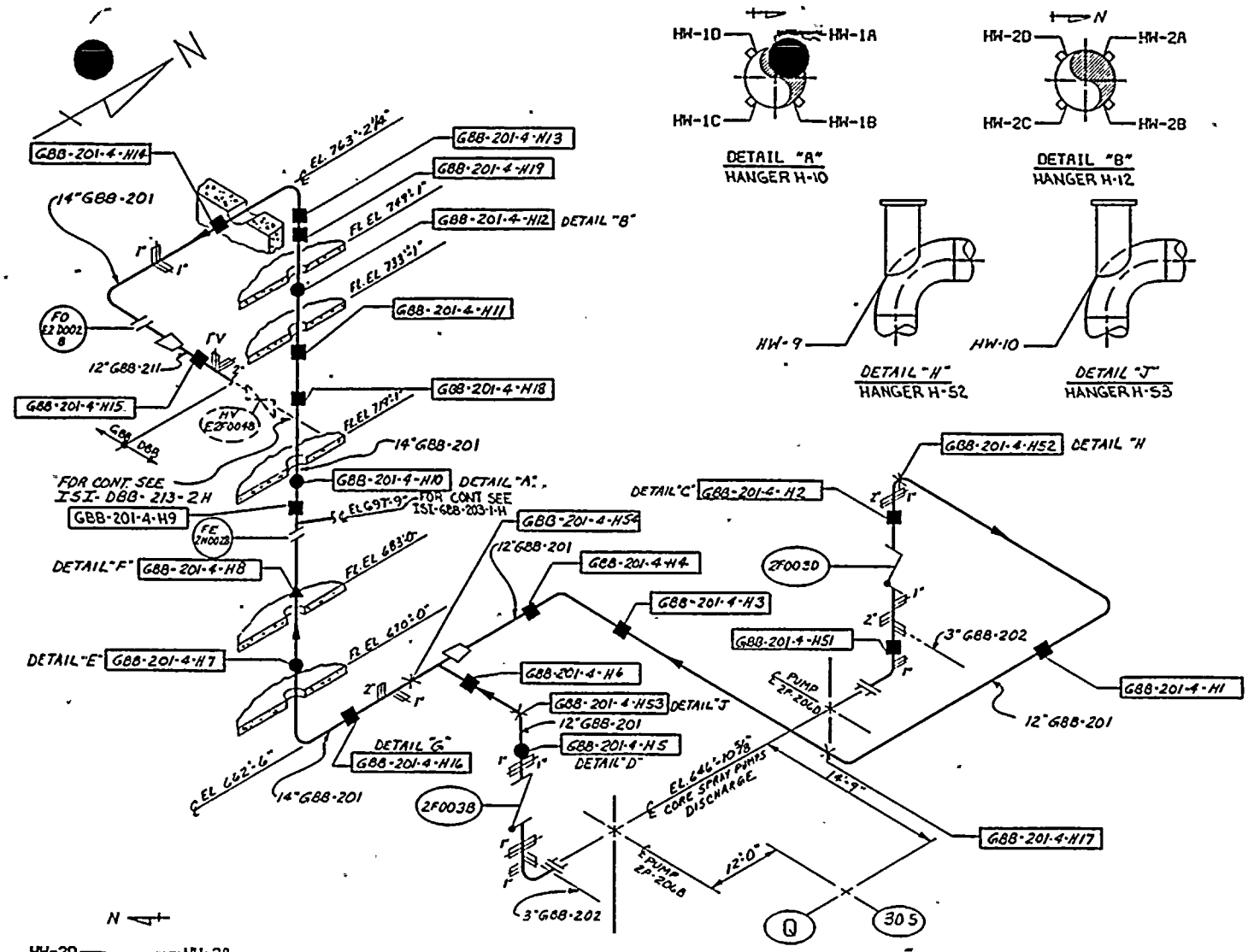
AREA 32 | ELEV. 749'-1" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201307 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-201-3-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 | LOCATION CODES | SORTS

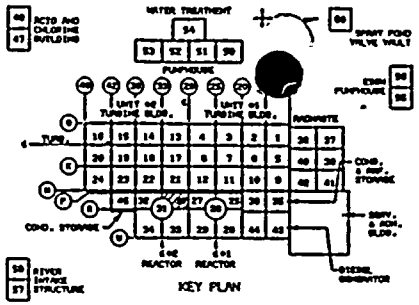


DETAIL "A"
HANGER H-10

DETAIL "B"
HANGER H-12

DETAIL "H"
HANGER H-52

DETAIL "J"
HANGER H-53



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	599'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	699'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	719'-0"	719'-0"	699'-0"		738'-11 1/4"	719'-0"
5	739'-0"	739'-1"			739'-2 1/2"	739'-0"
6	759'-0"	779'-1"			779'-1"	759'-0"
7		819'-1"				759'-0"
12					781'-1"	779'-0"
14					808'-0"	799'-0"
16		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBB-201-4 (REV. 4)	
FCI-P51-2835	
M-2152 (CORE SPRAY)	E-105952
M-30-1	E-106180 SH. 1
M-30-2	E-106180 SH 2
M-30-3	E-106180 SH. 3
M-30-4	E-106180 SH. 4
M-30-5	E-106180 SH. 5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

HANGER IDENTIFICATION

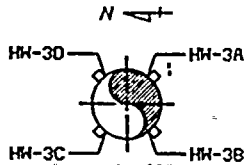
ISI-GBB-201-4-H

AREA 30 | ELEV. 645'-0" | SCALE- NONE

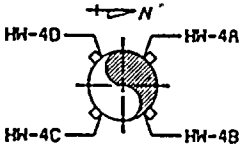
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201308 | SHEET NO. 1 | REV. NO. 0

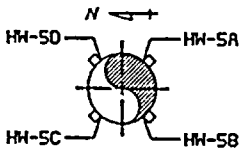
AE DRAWING NO. ISI-GBB-201-4-H



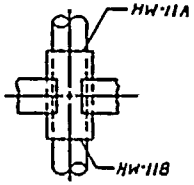
DETAIL "C"
HANGER H-2



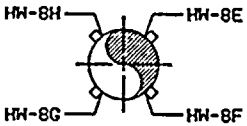
DETAIL "D"
HANG H-5



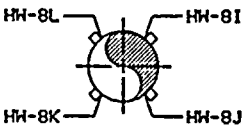
DETAIL "E"
HANGER H-7



ELEV. VIEW LOOKING WEST
DETAIL "F"
HANGER H-8



FAR SIDE



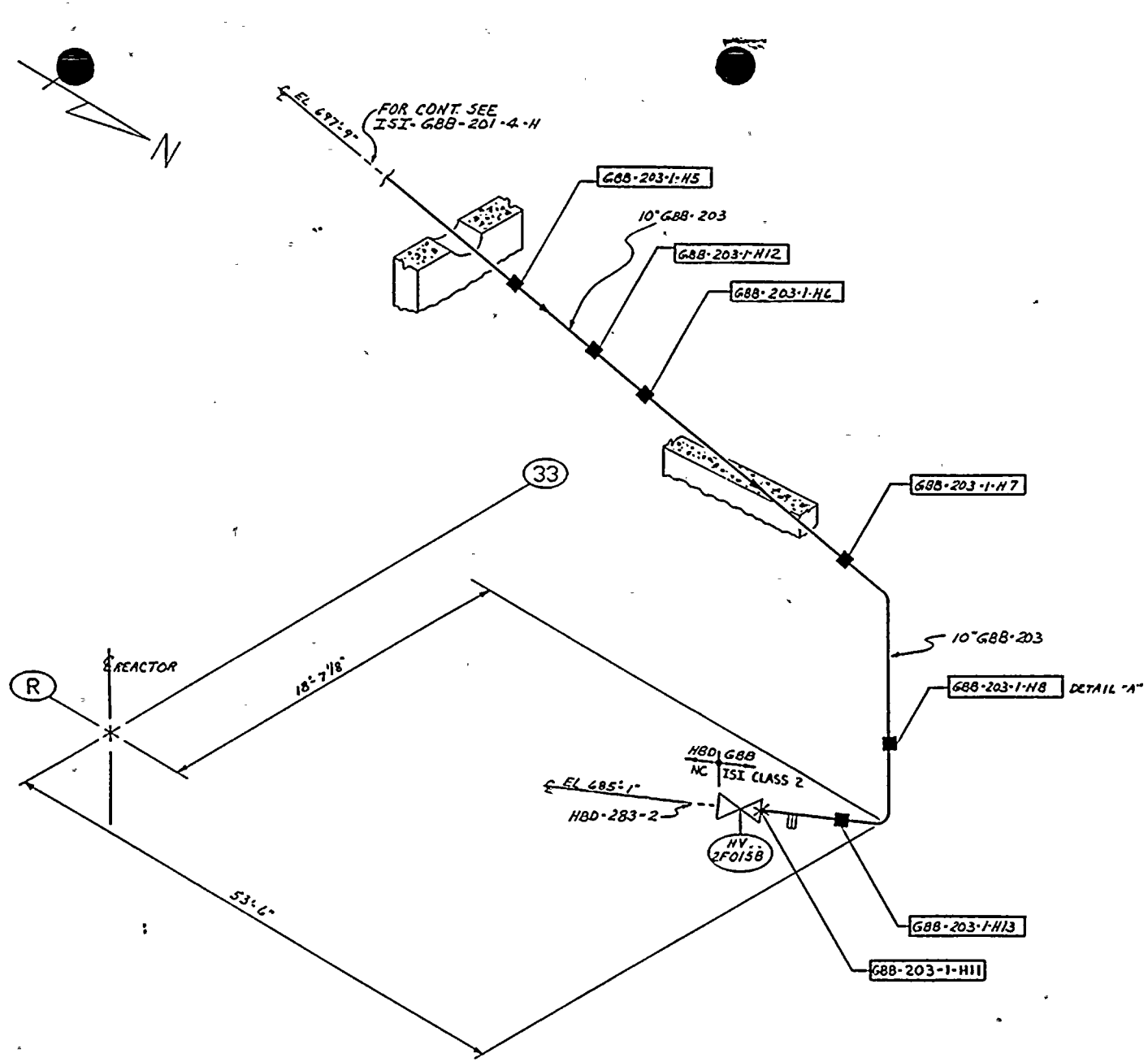
NEAR SIDE
LOOKING SOUTH

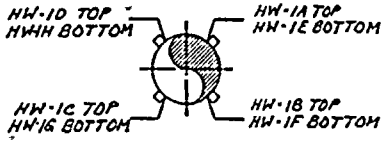
DETAIL "G"
HANGER 16

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

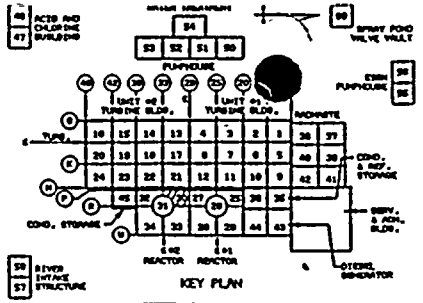
G 2 2 2 0 | G | G | G | G | M

LOCATION CODES | SORTS





DETAIL "A"
HANGER 8



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MACHINE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	670'-0"	695'-0"	690'-0"	690'-0"		
2	675'-0"	679'-0"	690'-0"	677'-0"	704'-0"	679'-0"
3	690'-0"	693'-0"	679'-0"	710'-0"	710'-1"	690'-0"
4	703'-0"	713'-0"	691'-0"		720'-11 1/2"	713'-0"
5	703'-0"	749'-1"			732'-7 1/2"	720'-0"
6	713'-0"	770'-1"			770'-1"	741'-0"
7		910'-1"				754'-0"
12					781'-1"	771'-0"
16					800'-0"	793'-0"
19		799'-1"				800'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBB-203-1 (REV. 3)	
FCI-PSI-2872	
M-2152 (CORE SPRAY)	E-105952
M-30-3	E-106180 SH. 3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-203-1-H

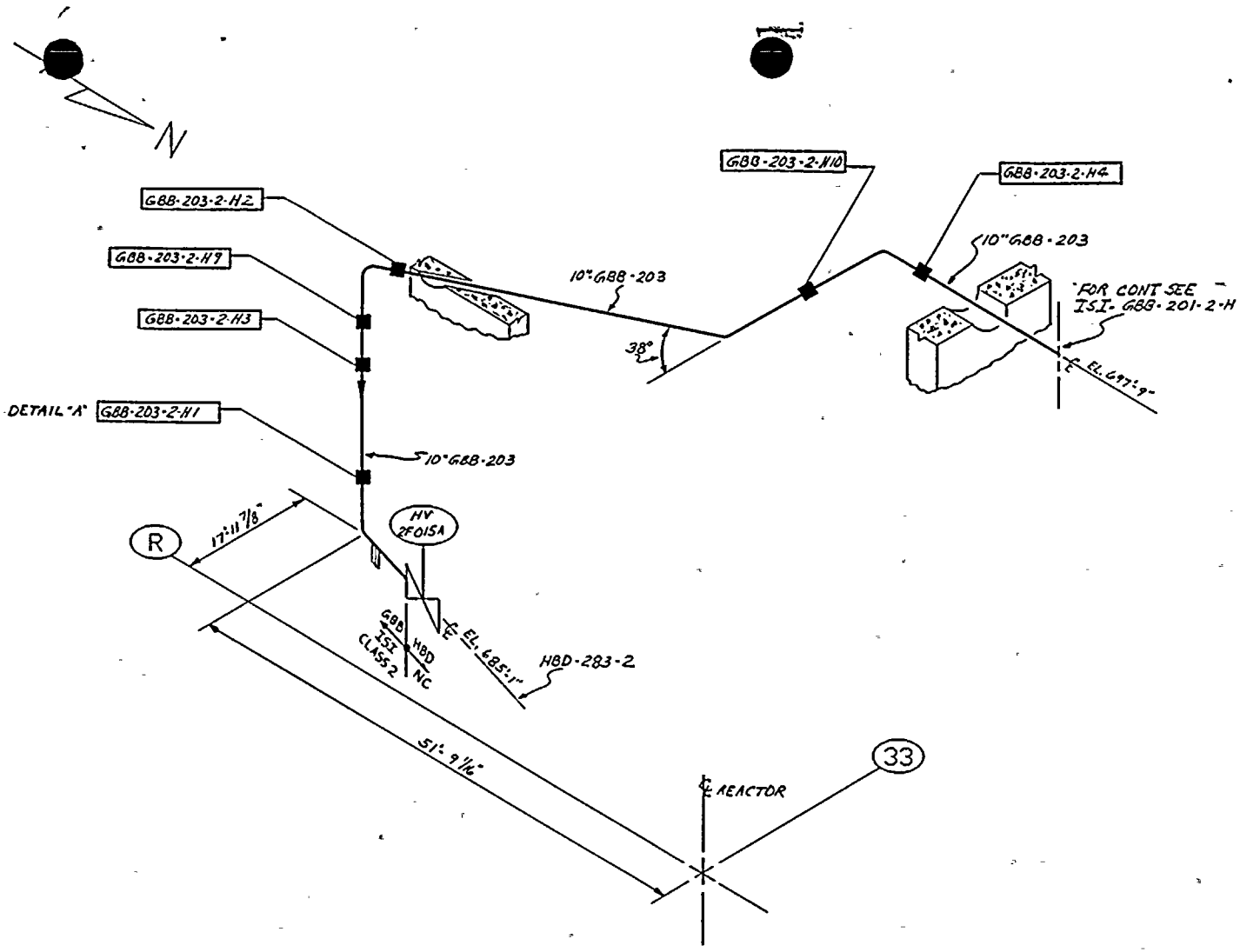
AREA 30 | ELEV. 683'-0" | SCALE- NONE

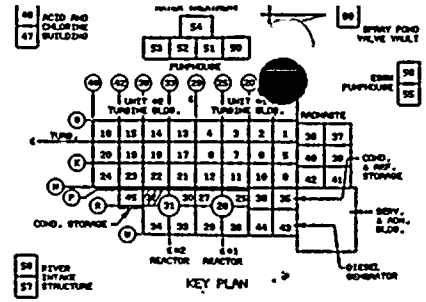
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201309 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-203-1-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	959'-9"	995'-9"	949'-9"	891'-9"		
2	879'-9"	879'-9"	895'-9"	877'-9"	794'-9"	879'-9"
3	849'-9"	893'-9"	876'-9"	719'-9"	719'-1"	849'-9"
4	729'-9"	719'-9"	691'-9"		739'-11 1/4"	719'-9"
5	792'-9"	749'-1"			752'-2 1/2"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBB-203-2 (REV 3)	
FCI-PSI-2871	
M-2152 (CORE SPRAY)	E-105952
M-32-3	E-106182 SH. 3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

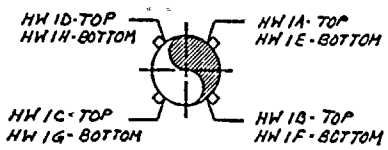
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-203-2-H

AREA 32 | ELEV. 683'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

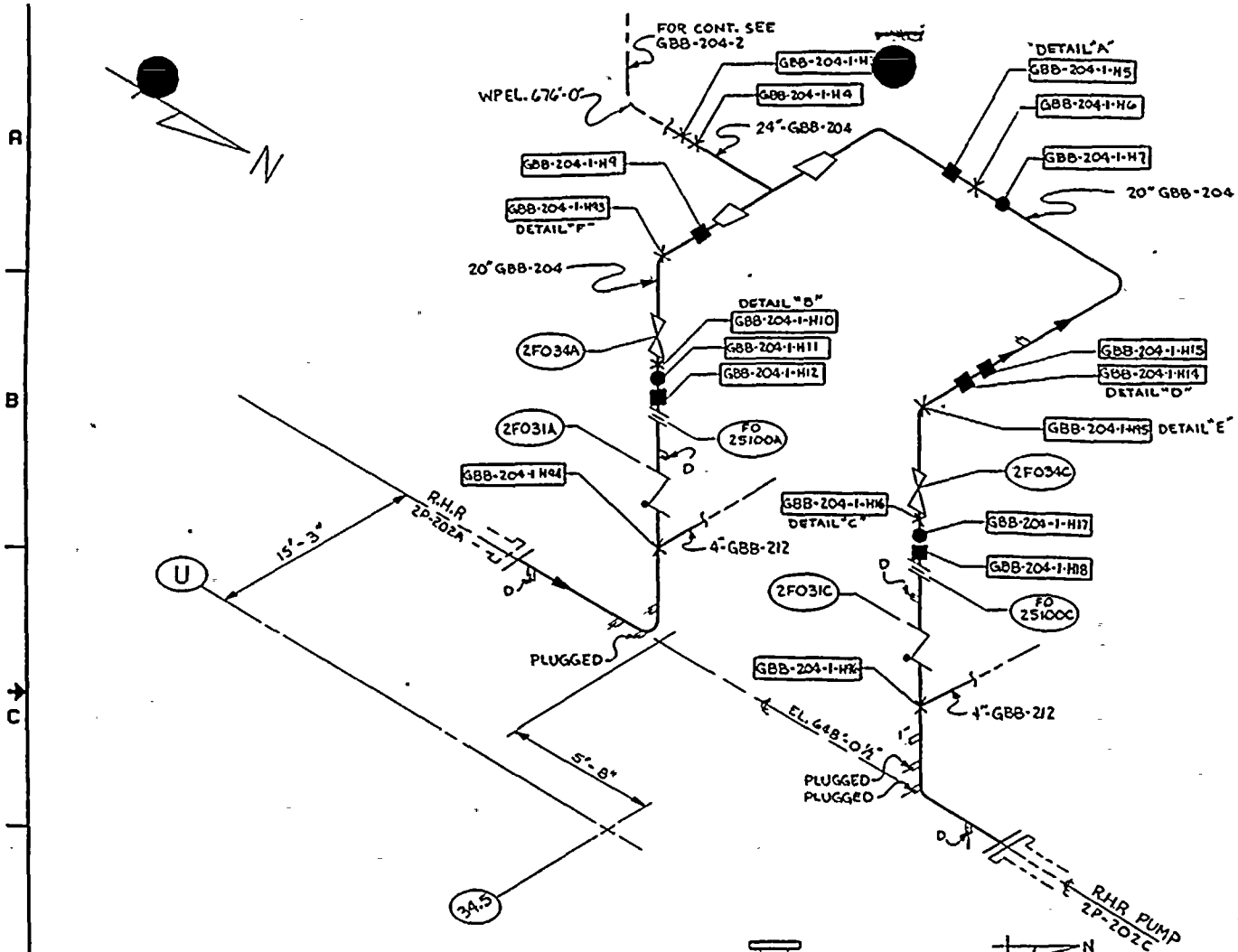
PP&L DRAWING NO. C-201310 | SHEET NO. 1 | REV. NO. 0

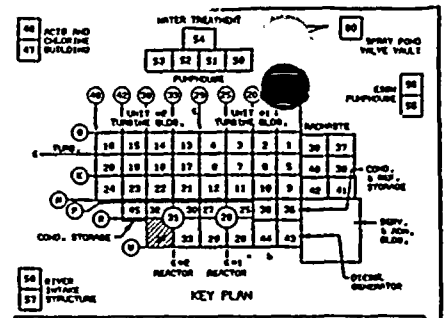
AE DRAWING NO. ISI-GBB-203-2-H



DETAIL "A"
HANGER 1

FRACTIONAL DECIMAL G 2 Z 2 0 LOCATION CODES SORTS

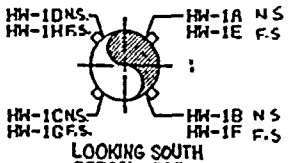




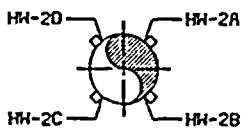
FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-9"	695'-9"	699'-9"	690'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	697'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	723'-9"	719'-9"	691'-9"		728'-11½"	714'-9"
5	742'-9"	749'-1"			752'-2½"	723'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					781'-1"	771'-9"
14					809'-9"	797'-9"
19		799'-1"				809'-9"

HANGER LEGEND

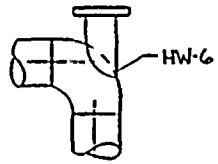
- SPRING
- SNUBBER
- RIGID
- ANCHOR



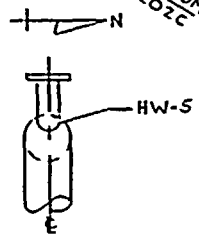
LOOKING SOUTH
DETAIL "A"
HANGER H5



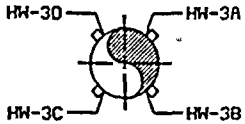
DETAIL "B"
HANGER H10



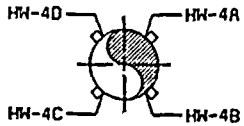
DETAIL "E"
HANGER H95



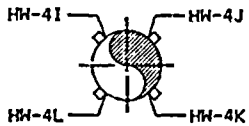
DETAIL "F"
HANGER H93



DETAIL "C"
HANGER H16



LOOKING WEST
EAST LUGS



LOOKING EAST
MIDDLE LUGS

DETAIL "D"
HANGER H14

FCI-PSI-2843	
GBB-204-1 (REV 6)	
M-2151 (R.H.R)	E-105951 SH.1
M-34-2	E-106184 SH.2
M-34-1	E-106184 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	DUMAN	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-204-1-H

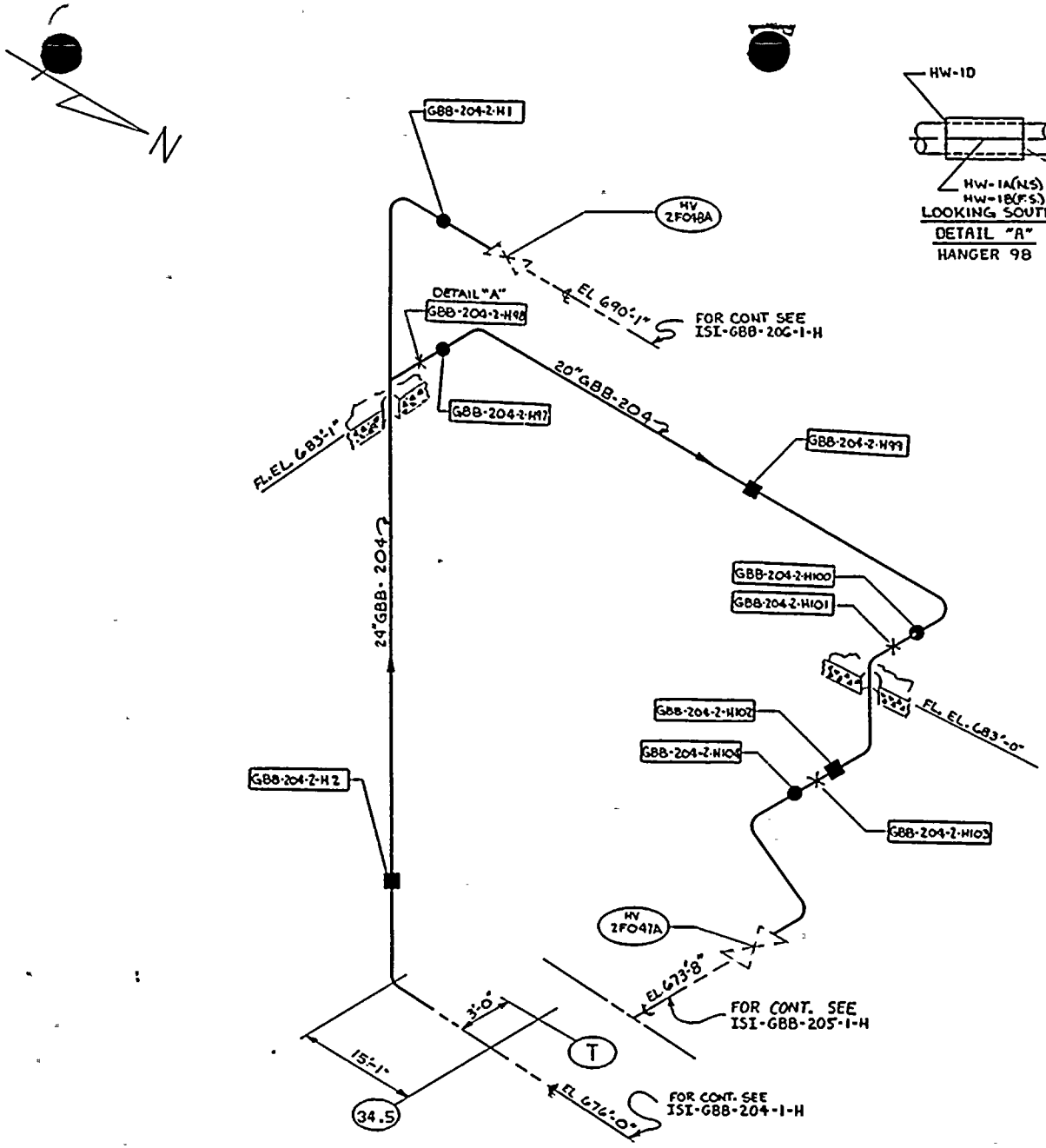
AREA 34 | ELEV. 645'-0" | SCALE- NONE

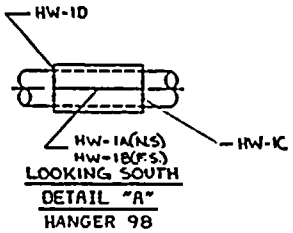
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

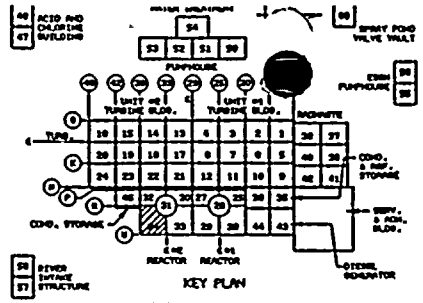
PP&L DRAWING NO. C-201311 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-204-1-H

FRACTIONAL DECIMAL G 2 2 2 0 G G G G G H LOCATION CODES SORTS







FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	595'-0"	595'-0"	599'-0"		
2	679'-0"	679'-0"	599'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	723'-0"	719'-0"	691'-0"		728'-11 1/4"	714'-0"
5	732'-0"	740'-1"			732'-3 1/4"	723'-0"
6	714'-0"	770'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	792'-0"
19		779'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FC1-PS1-2844	
FC1-PS1-2843	
GBB-204-2 (REVS)	
M-2151	E-105931 SH.1
M 34-3	E-106184 SH.3
M-34-2	E-106184 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	DJK			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-GBB-204-2-H

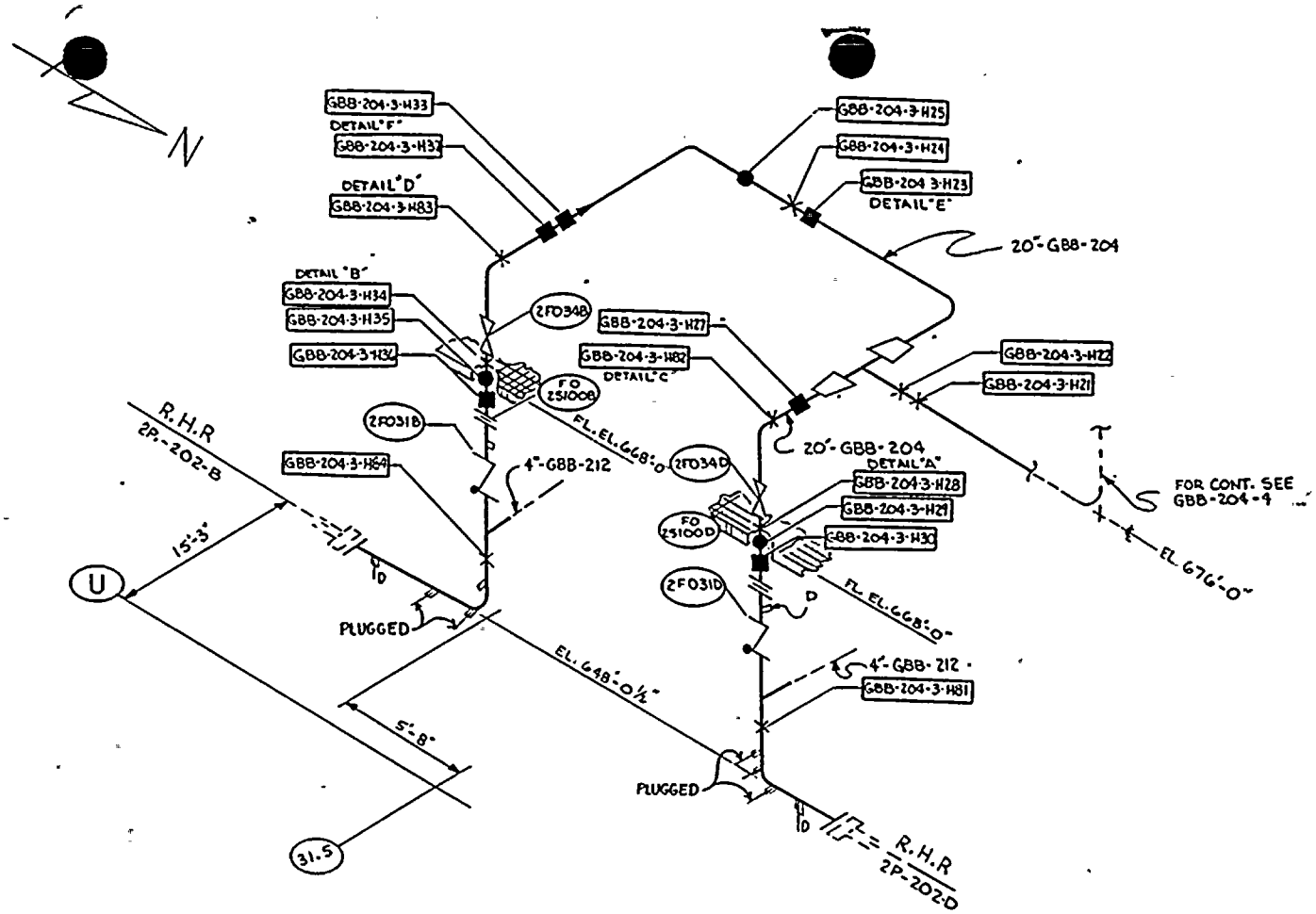
AREA 34 | ELEV. 670'-0" | SCALE- NONE

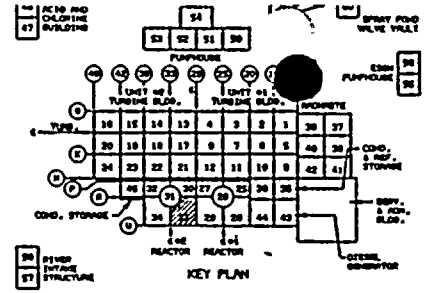
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201312 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-204-2-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 | G | G | G | G | G | H | LOCATION CODES | SORTS

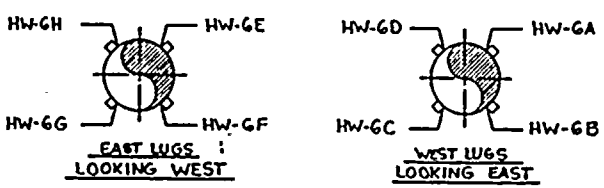




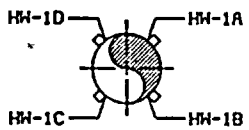
FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEEL GENERATOR EL.	SHIELD REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	595'-9"	594'-9"	590'-9"		
2	679'-9"	679'-9"	690'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	718'-1"	699'-9"
4	719'-9"	719'-9"	691'-9"		739'-11 1/2"	719'-9"
5	739'-9"	749'-1"			752'-2 1/2"	739'-9"
6	759'-9"	779'-1"			779'-1"	759'-9"
7		810'-1"				754'-9"
12					771'-1"	771'-9"
14					809'-9"	789'-9"
16		799'-1"				809'-9"

HANGER LEGEND

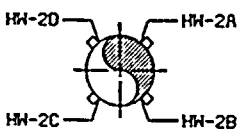
- SPRING
- SNUBBER
- RIGID
- ANCHOR



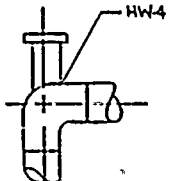
DETAIL "F"
HANGER 32



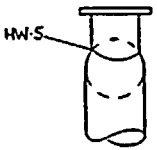
DETAIL "A"
HANGER 28



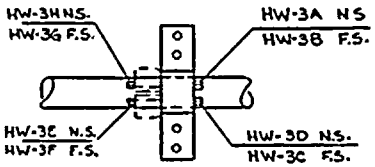
DETAIL "B"
HANGER 34



DETAIL "C"
HANGER 82



LOOKING WEST
DETAIL "D"
HANGER 83



LOOKING WEST
DETAIL "E"
HANGER 23

FC1-P51-2846	
GBB-204-3(REV.6)	
M-2151	E-105955
M-33-2	E-106183 SH2
M-33-1	E-106183 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-204-3-H

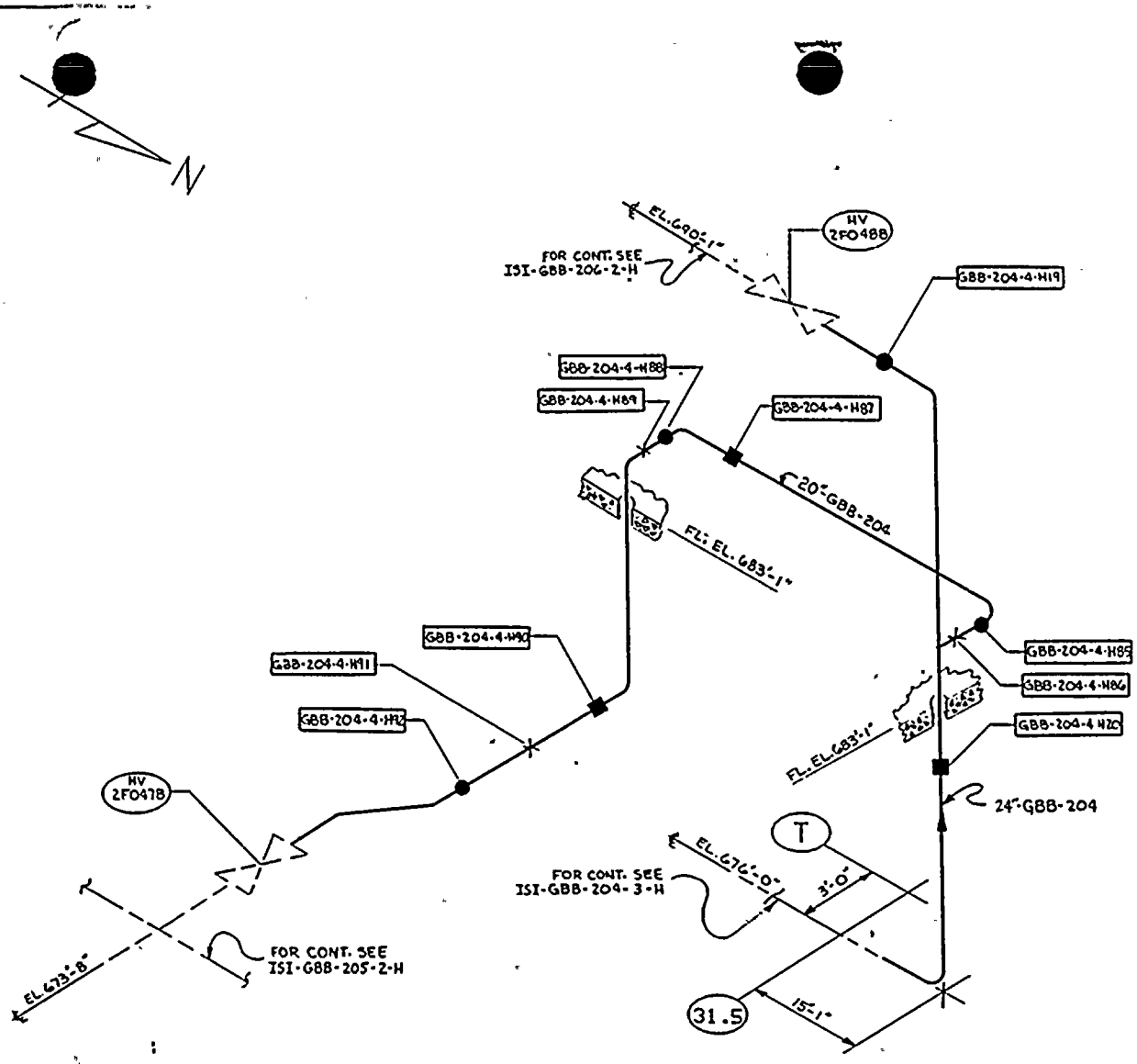
AREA 33 | ELEV. 645'-0 | SCALE- NONE

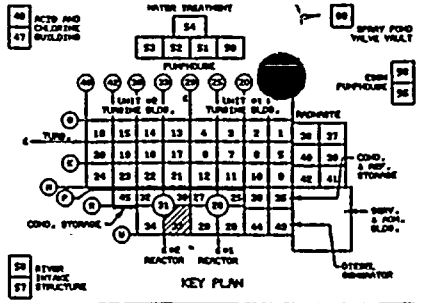
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201313 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-204-3-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | G | G | G | G | G | H | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	CAPSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-9"	645'-9"	644'-9"	698'-9"		
2	679'-9"	679'-9"	695'-9"	677'-9"	704'-9"	679'-9"
3	698'-9"	697'-9"	679'-9"	718'-9"	718'-1"	698'-9"
4	723'-9"	715'-9"	691'-9"		728'-11 1/4"	715'-9"
5	732'-9"	744'-1"			732'-11 1/4"	723'-9"
6	715'-9"	770'-1"			770'-1"	741'-9"
7		818'-1"				754'-9"
12					793'-1"	771'-9"
14					809'-9"	793'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2897	
FCI-PSI-2846	
GBB-204-4(REV4)	
M-2151 (RHR)	E-105951 SH.2
M-33-3	E-106183 SH3
M-33-2	E-106183 SH 2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	DUP			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-204-4-H

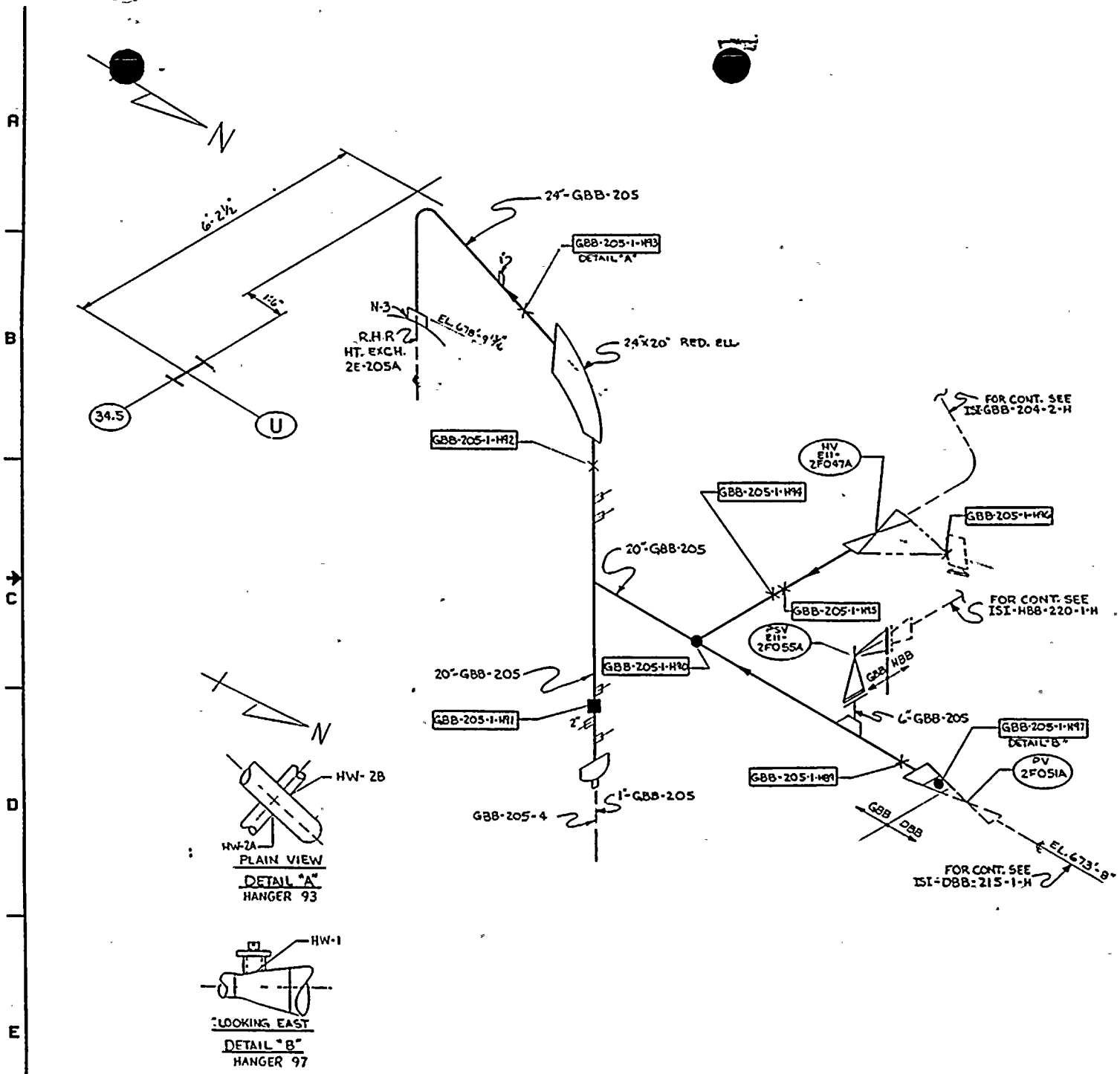
AREA 33 | ELEV. 670'0" | SCALE- NONE

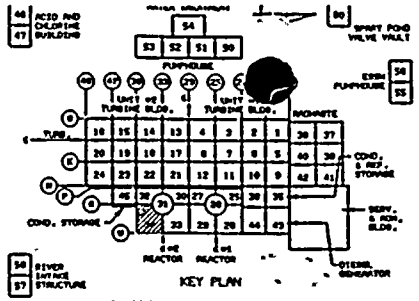
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-20134 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-204-4-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | M | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	958'-0"	895'-0"	949'-0"	890'-0"		
2	879'-0"	879'-0"	899'-0"	877'-0"	794'-0"	879'-0"
3	898'-0"	893'-0"	879'-0"	719'-0"	719'-1"	898'-0"
4	720'-0"	719'-0"	891'-0"		720'-11½"	714'-0"
5	752'-0"	749'-1"			752'-2½"	722'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	783'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBB-205-1 (REV 4)	
FCI-PSI-2862	
FCI-PSI-2844	
M-2151 (SH.1)	E-105951 SH.1
M-34-2	E-106184 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-GBB-205-1-H

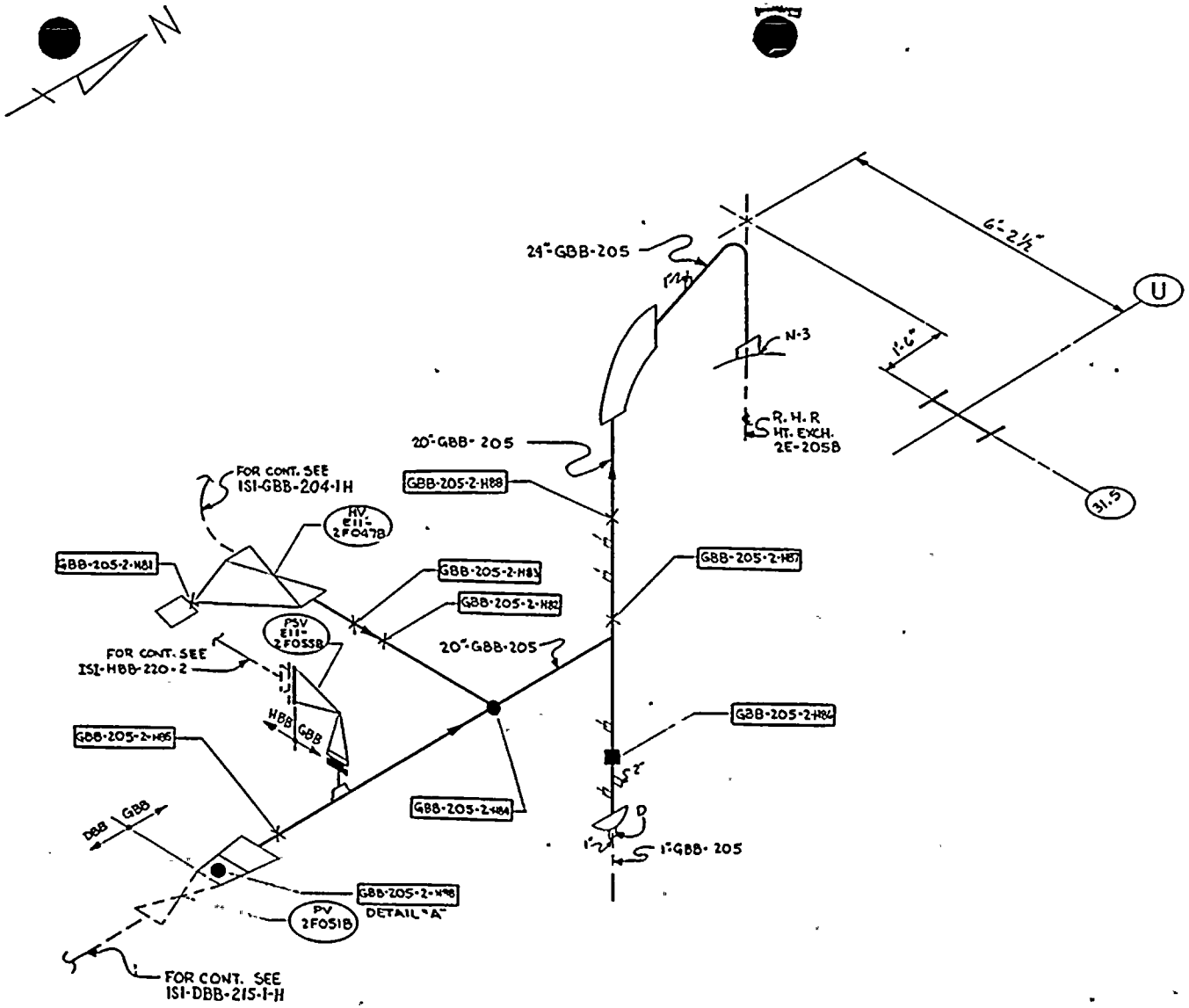
AREA-34 | ELEV. 670-0 | SCALE- NONE

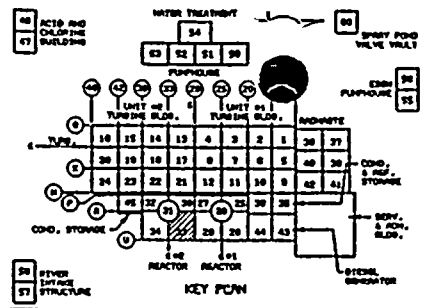
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201315 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-205-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 | LOCATION CODES | M SORTS

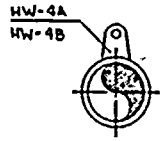




FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	645'-9"	649'-9"	660'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	710'-9"	719'-1"	699'-9"
4	723'-9"	713'-9"	693'-9"		726'-11½"	714'-9"
5	742'-9"	749'-1"			732'-2½"	723'-9"
6	714'-9"	779'-1"			739'-1"	741'-9"
7		810'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	783'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR



LOOKING WEST
PIPE ROTATED 90°

DETAIL "A"
HANGER H98

GBB-205-2 (REV.5)	
FCI-P51-2915	
FCI-P51-2862	
FCI-P51-2847	
M-2151 (R.H.R.)	E-105951 SH.2
M-33-2	E-106183 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	DUMMY	JLK	[illegible]	4/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-205-2-H

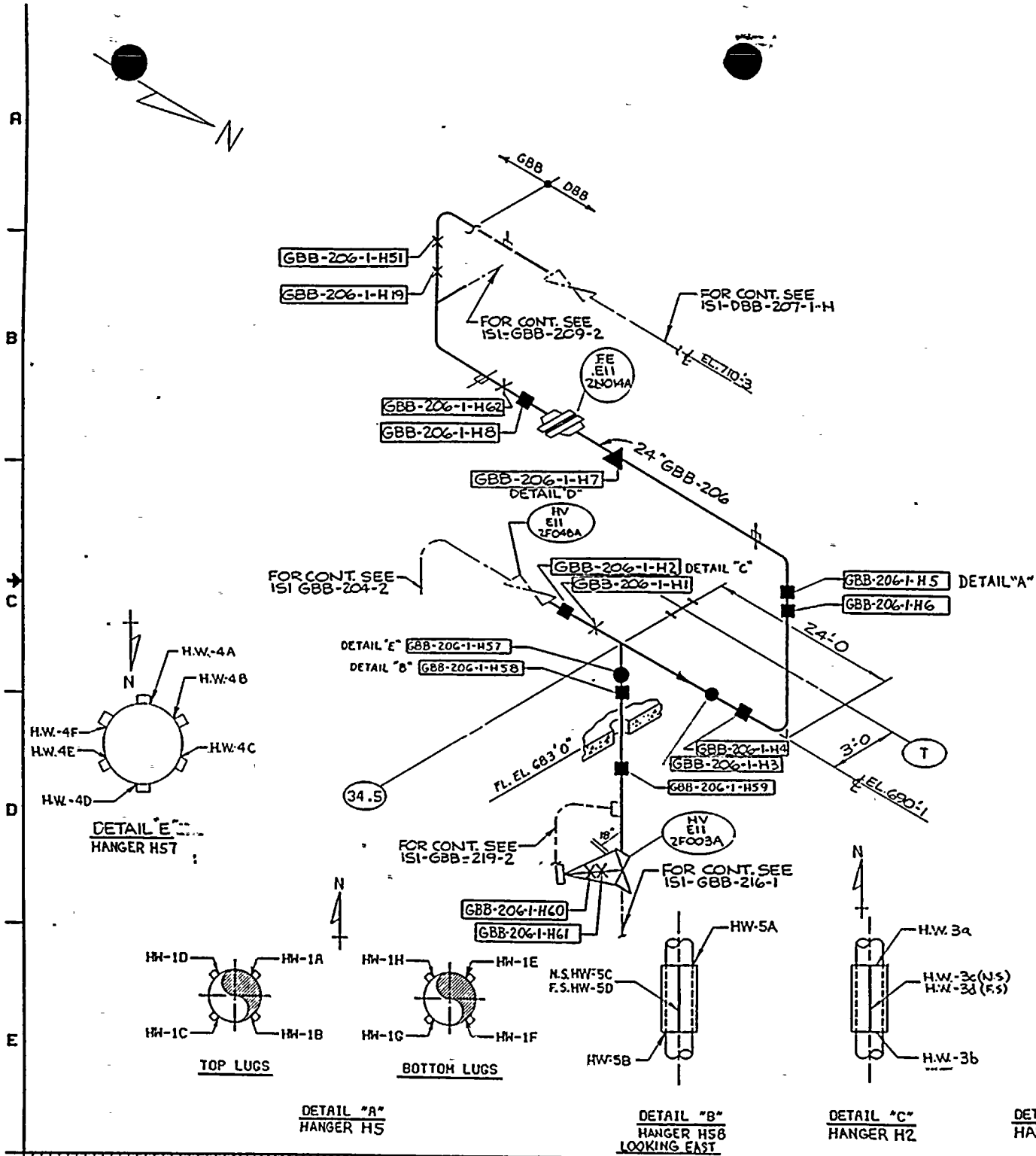
AREA-33 | ELEV. 670'-0" | SCALE- NONE

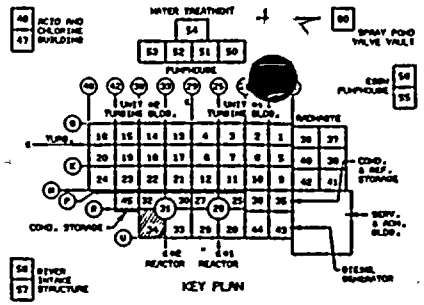
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201316 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-205-2-H

FRACTIONAL ± | DECIMAL ± | G 2 2 2 0 | LOCATION CODES | SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	658'-0"	653'-0"	644'-0"	660'-0"		
2	675'-0"	675'-0"	660'-0"	677'-0"	704'-0"	675'-0"
3	688'-0"	692'-0"	675'-0"	718'-0"	718'-1"	688'-0"
4	721'-0"	713'-0"	691'-0"		728'-11½"	714'-0"
5	735'-0"	749'-1"			752'-3½"	721'-0"
6	754'-0"	770'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					781'-1"	771'-0"
14					808'-0"	783'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2843	
FCI-P51-2844	
GBB-206-1 (REV. C)	
M-2151 (R.H.R.)	E-106256
M-34-2	E-106184 SH. 2
M-34-3	E-106184 SH. 3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	GH			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

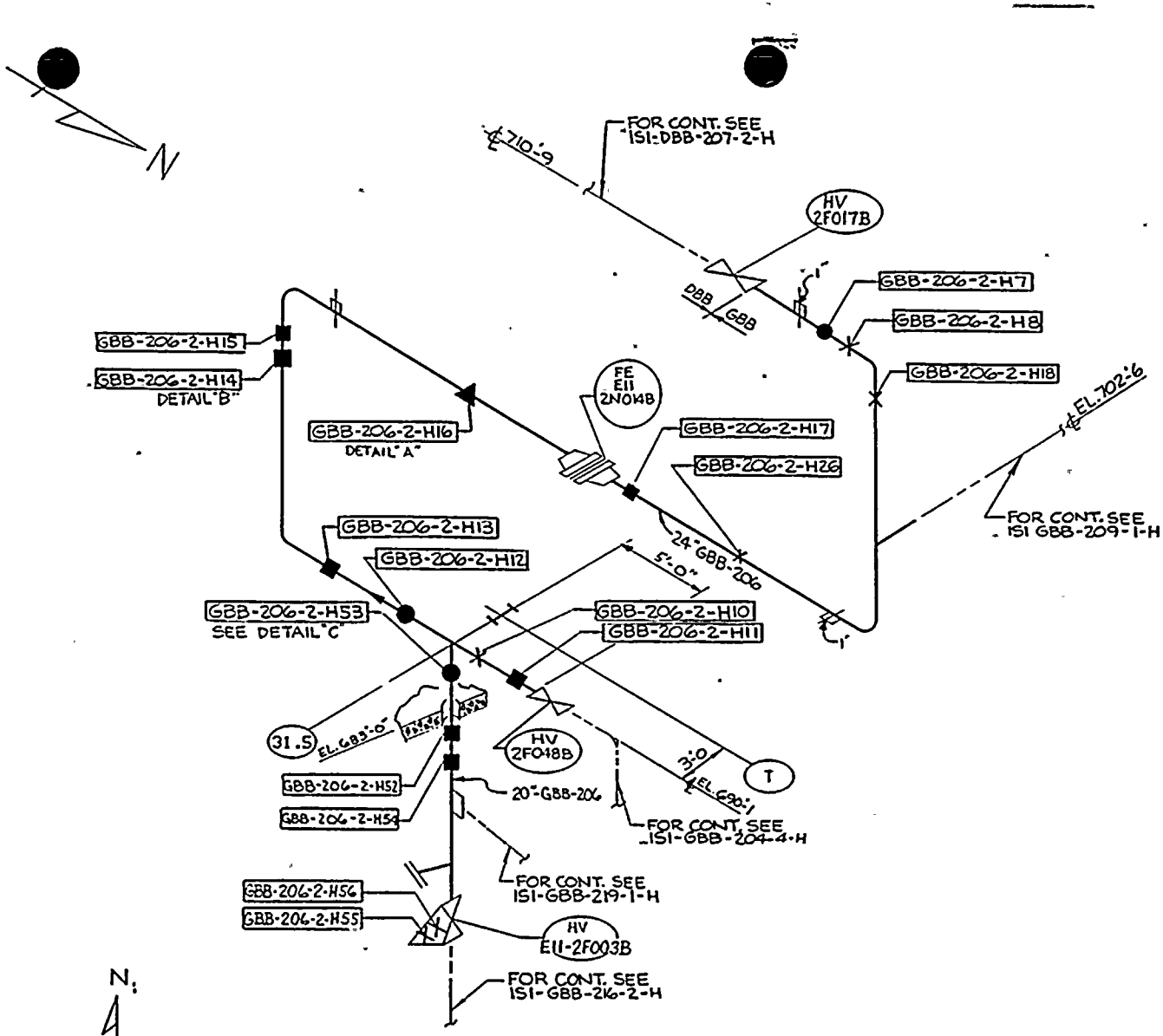
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-206-1-H

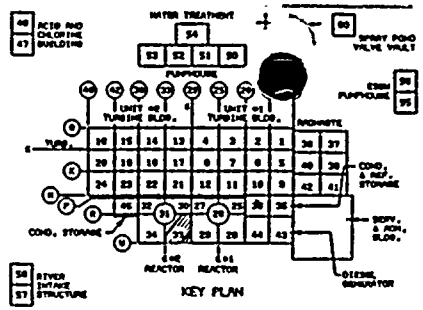
AREA 34 | ELEV. 670'-0 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201317 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-206-1-H





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	DIESEL GENERATOR EL.	SPYHOUSE REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	595'-0"	595'-0"	599'-0"		
2	676'-0"	676'-0"	676'-0"	677'-0"	704'-0"	676'-0"
3	699'-0"	692'-0"	676'-0"	719'-0"	718'-1"	699'-0"
4	723'-0"	718'-0"	691'-0"		728'-11¼"	714'-0"
5	752'-0"	749'-1"			752'-2¼"	728'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					909'-0"	792'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2847	
FCI-P51-2846	
GBB-206-2(REV4)	GBB-206-2
M-2151 (R.H.R)	E-105951-2
M-33-2	E-106183 SH.2
M-33-3	E-106183 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	GH			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC

HANGER IDENTIFICATION

ISI-GBB-206-2-H

AREA 33 | ELEV. 670'-0 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

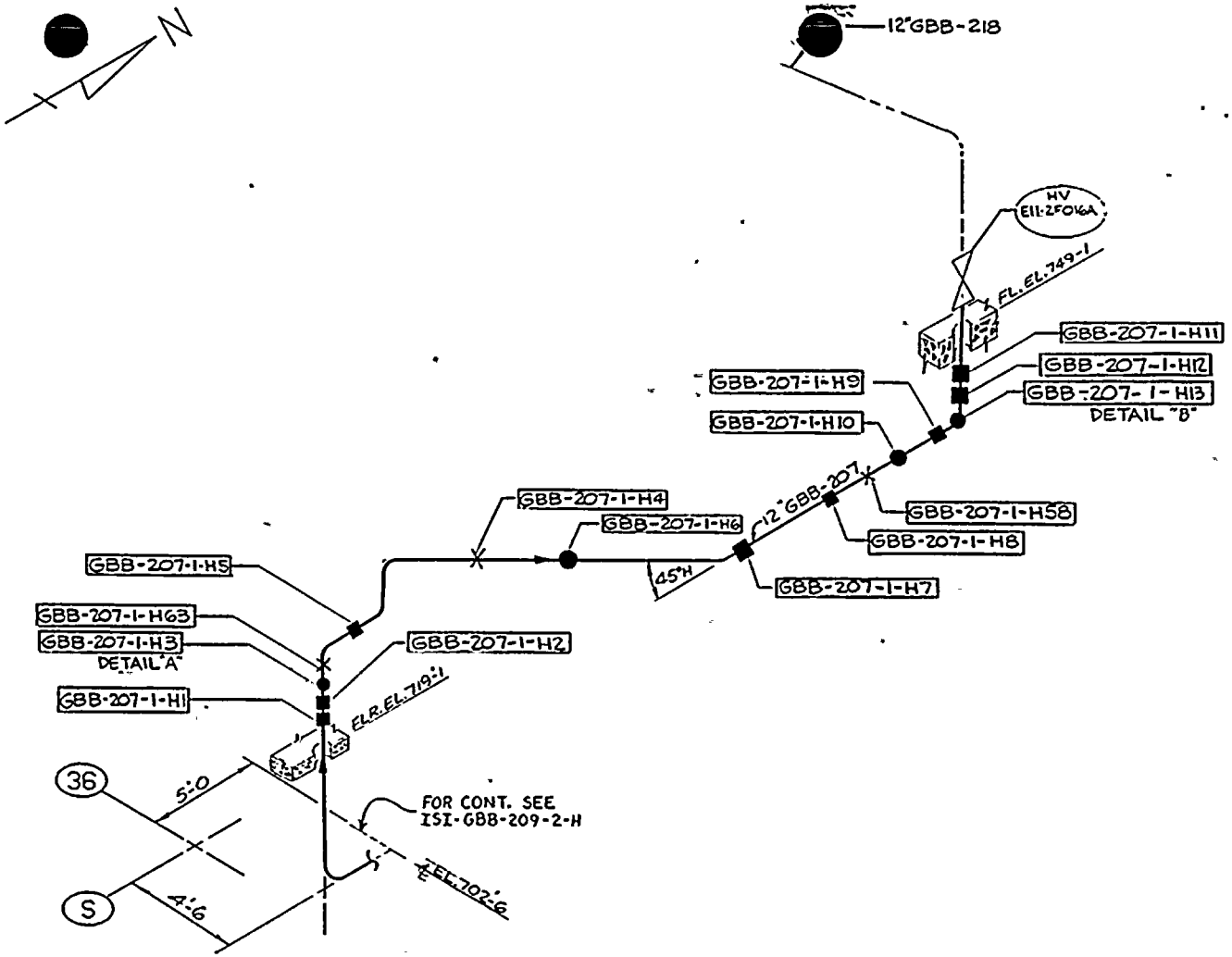
PP&L DRAWING NO. C-201318 | SHEET NO. 1 | REV. NO. 0

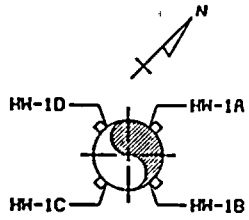
AE DRAWING NO. ISI-GBB-206-2-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

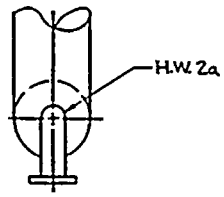
G 2 2 2 0 | G | G | G | G | M

LOCATION CODES | SORTS

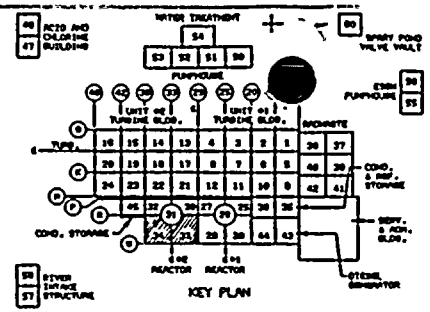




DETAIL "A"
HANGER H3



LOOKING SOUTH
DETAIL "B"
HANGER H13



KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR BLDG.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	938'-9"	935'-9"	944'-9"	990'-9"		
2	878'-9"	878'-9"	899'-9"	877'-9"	794'-9"	878'-9"
3	899'-9"	897'-9"	878'-9"	719'-9"	719'-1"	899'-9"
4	723'-9"	719'-9"	881'-9"		729'-11 1/4"	714'-9"
5	752'-9"	749'-1"			752'-2 1/4"	723'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				859'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2886	
GBB-207-1(REV.C)	
M-2151 (R.H.R.)	E-105951 SH. 2
M-33-4	E-106183 SH.4
M-33-5	E-106183 SH.5
M-34-3	E-106184 SH.3
M-34-4	E-106184 SH.4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	GH	MD	[illegible]	8/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-207-1-H

AREA 33,34 | ELEV. 683'-0 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

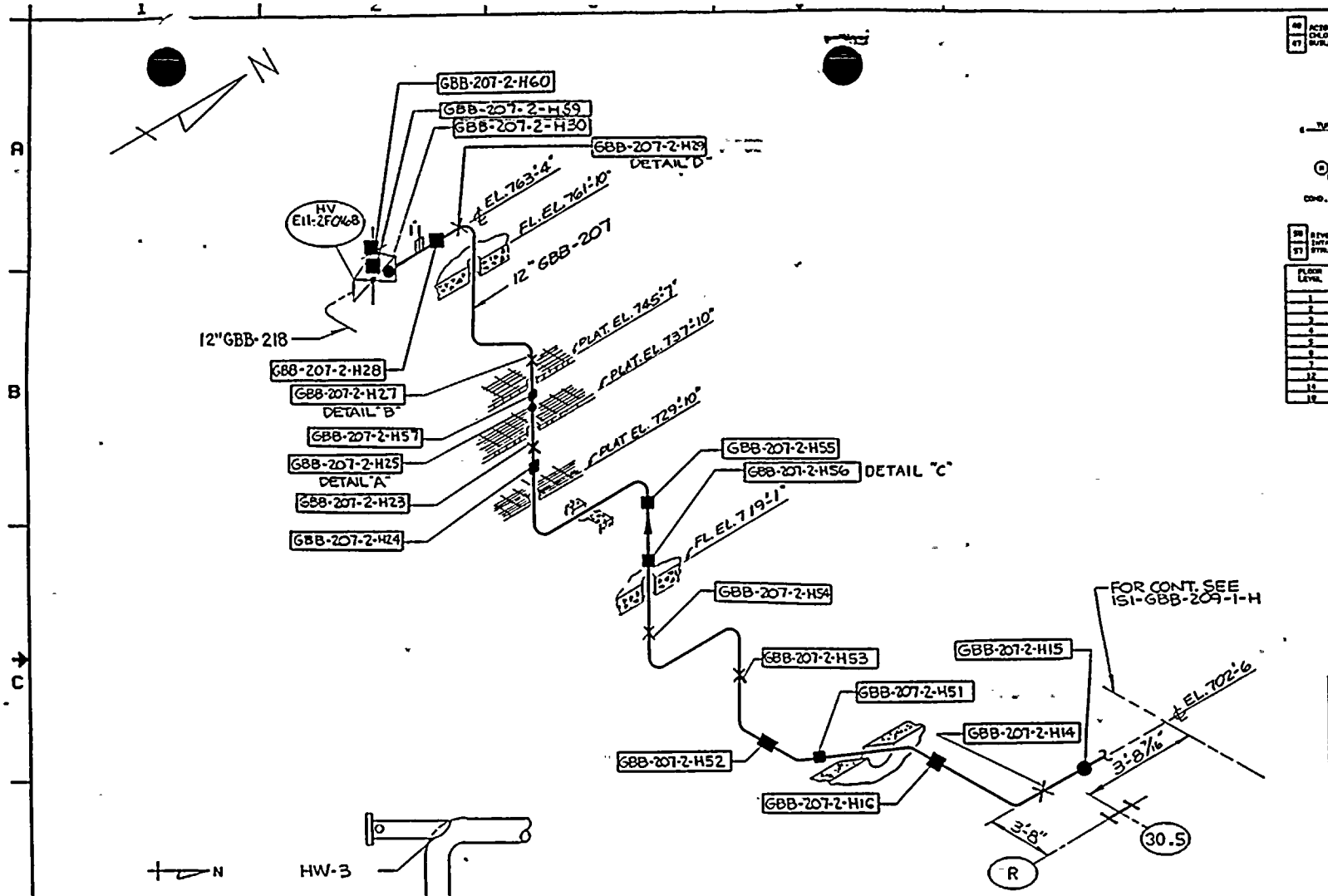
PP&L DRAWING NO. C-201319. . | SHEET NO. 1 | REV. NO. 0

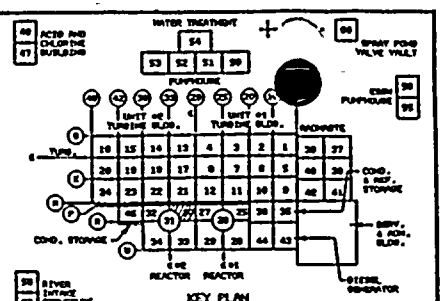
AE DRAWING NO. ISI-GBB-207-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 2 2 0 | G | G | G | G | M

LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MACHINISTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	694'-9"	695'-9"	694'-9"	699'-9"		
2	674'-9"	674'-9"	699'-9"	677'-9"	704'-9"	674'-9"
3	694'-9"	693'-9"	679'-9"	719'-9"	719'-1"	694'-9"
4	722'-9"	719'-9"	691'-9"		729'-11 1/2"	714'-9"
5	752'-9"	749'-1"			752'-2 1/2"	729'-9"
6	719'-9"	779'-1"			779'-1"	744'-9"
7		819'-1"				754'-9"
12					791'-1"	774'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2912	
GBB-207-2 (REV. 5)	
M-2151 (RHR)	E-105951 SH. 2
M-30-3	E-106180 SH. 3
M-30-4	E-106180 SH. 4
M-30-5	E-106180 SH. 5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	GH	RJ	R. Scott Oman	2/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-207-2-H

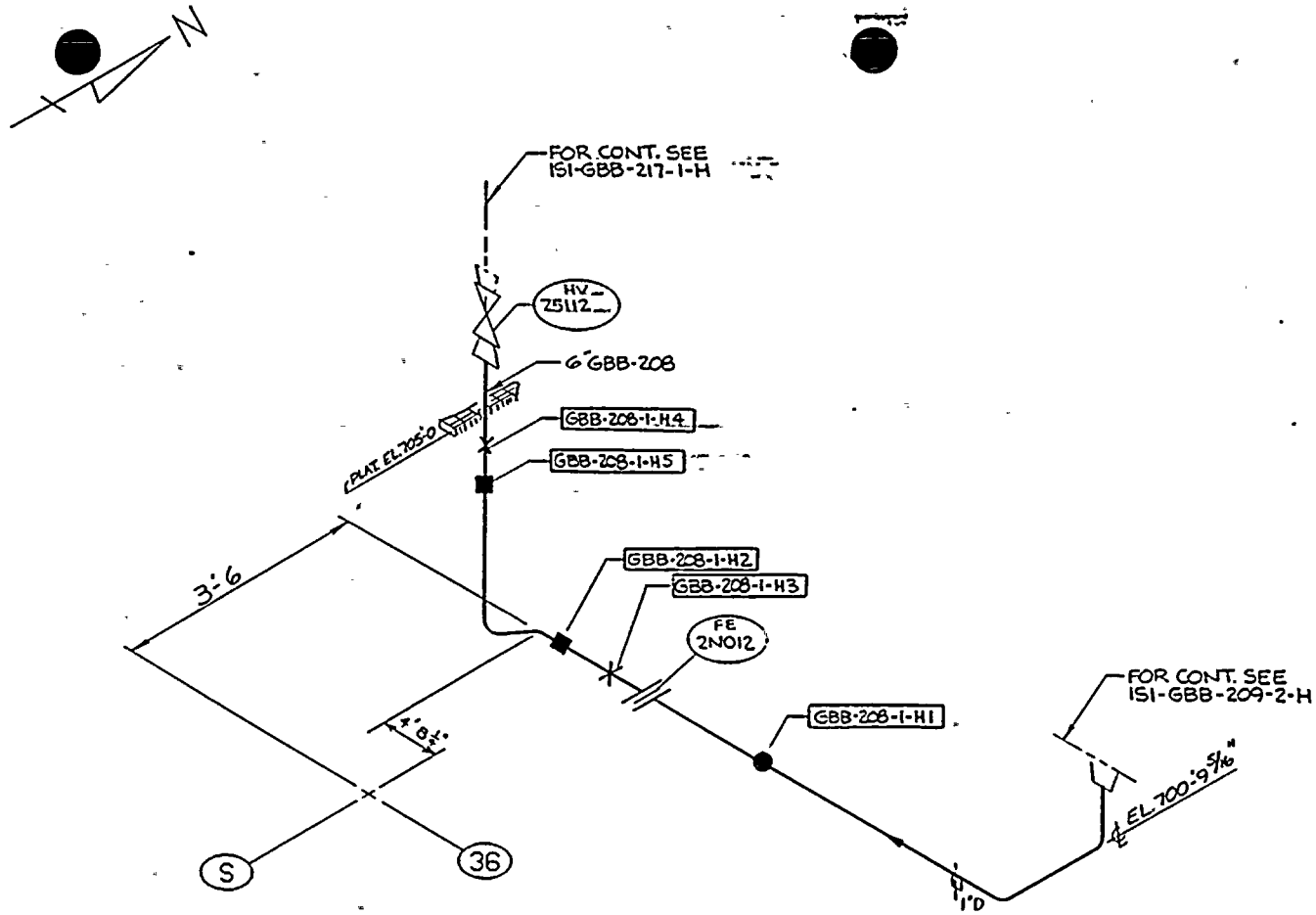
AREA. 30 | ELEV. 683'-0 | SCALE- NONE

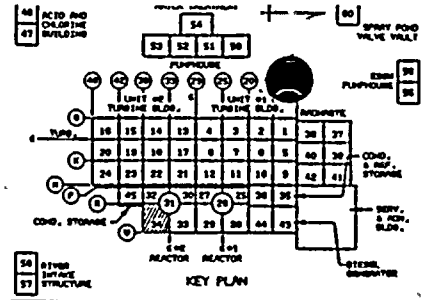
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201320 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-207-2-H

G 2 Z 2 0 | G | G | G | G | H SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	CONCRETE BLDG. EL.	STEAM GENERATOR BLDG. EL.	SPHERE & REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	658'-0"	695'-0"	649'-0"	698'-0"		
2	678'-0"	670'-0"	690'-0"	677'-0"	701'-0"	670'-0"
3	698'-0"	692'-0"	679'-0"	719'-0"	718'-1"	698'-0"
4	720'-0"	719'-0"	691'-0"		720'-11½"	719'-0"
5	732'-0"	749'-1"			732'-2½"	732'-0"
6	734'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	792'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2888	
GBB-208-1 (REV. 3)	
M-2151 (R.H.R.)	E-105951 SH.1
M-34-3	E-106184 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	GH	RD	RE	9/86

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-208-1-H

AREA 34 | ELEV. 683'-0 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

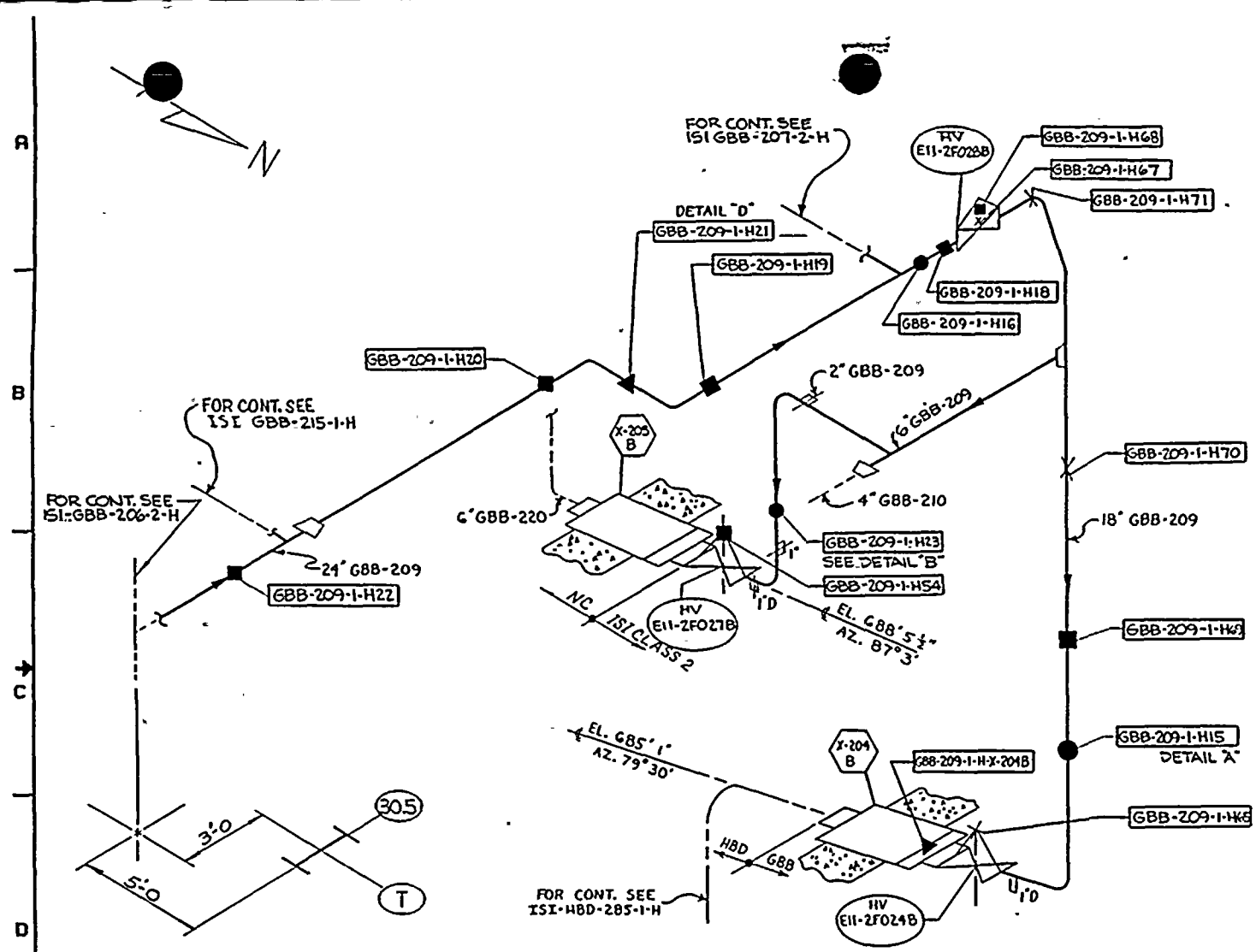
PP&L DRAWING NO. C-201321 | SHEET NO. 1 | REV. NO. 0

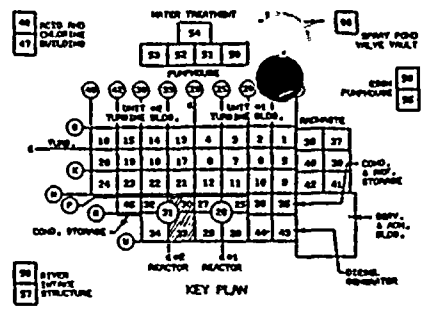
AE DRAWING NO. ISI-GBB-208-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 Z 2 0 | G | G | G | G | M

LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	595'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	697'-0"	679'-0"	719'-0"	718'-1"	699'-0"
4	720'-0"	718'-0"	691'-0"		726'-11 1/2"	714'-0"
5	732'-0"	749'-1"			732'-2 1/2"	720'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					781'-1"	771'-0"
14					809'-0"	793'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2864	
GBB-209-1 (REV. C)	
M-2151 (R.H.R)	E-105951
M-30-3	E-106180 SH.3
M-33-3	E-106183 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	GH			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-209-1-H

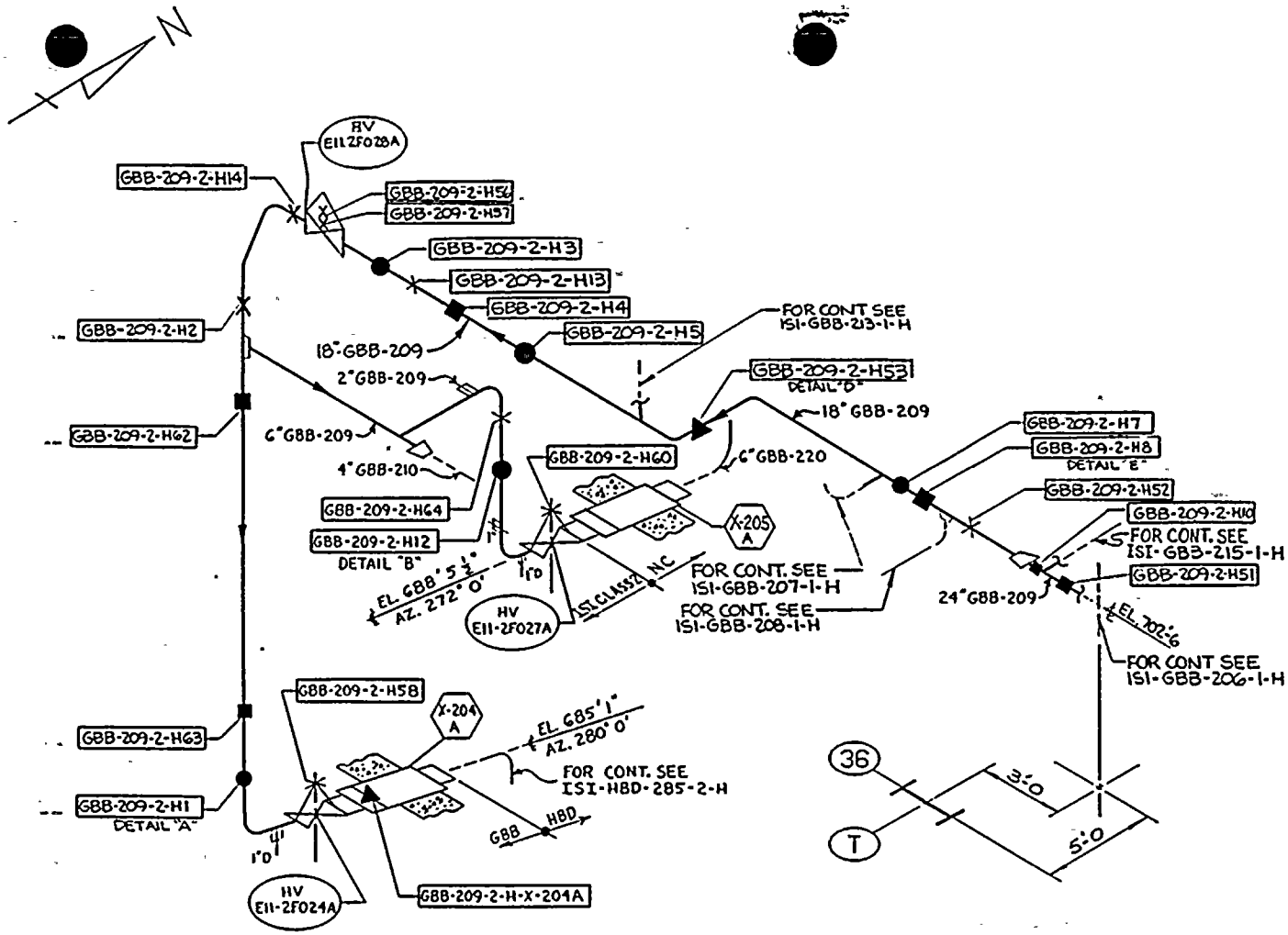
AREA 30,33 | ELEV. 683'-0 | SCALE- NONE

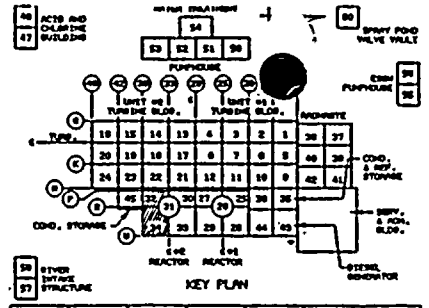
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201322 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-209-1-H

FRACTIONAL DECIMAL G 2 2 2 0 LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	595'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	691'-9"	693'-9"	679'-9"	718'-9"	718'-1"	699'-9"
4	719'-9"	719'-9"	693'-9"		719'-11 1/4"	719'-9"
5	732'-9"	749'-1"			732'-2 1/4"	729'-9"
6	714'-9"	777'-1"			729'-1"	741'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					808'-9"	793'-9"
16		798'-1"				808'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PS1-2863	
GBB-209-2 (REV. 8)	
M-2151 (R.H.R)	E-105951
M-32-3	E-106182 SH.3
M-34-3	E-106184 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	GHW	PD	M. Stone	5/16

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-GBB-209-2-H

AREA 32,34 | ELEV. 683'-0 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

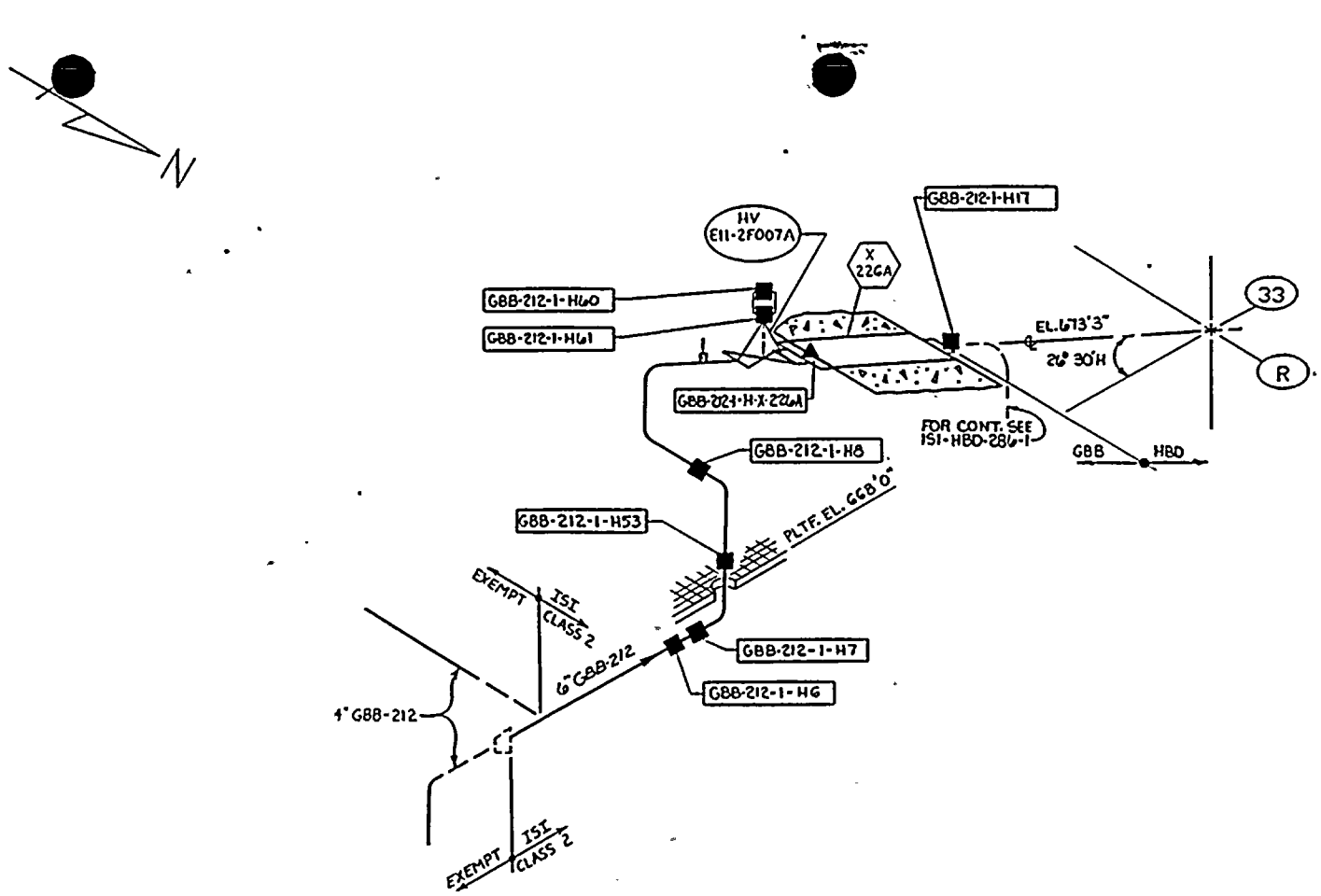
PP&L DRAWING NO. C-201323 | SHEET NO. 1 | REV. NO. 0

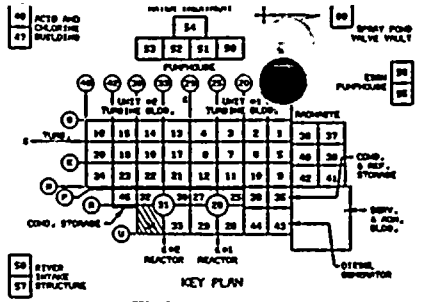
AE DRAWING NO. ISI-GBB-209-2-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 Z 2 0 | G | G | G | G | H

LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MACHINETE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'0"	695'0"	649'0"	680'0"		
2	676'0"	676'0"	680'0"	677'0"	704'0"	676'0"
3	698'0"	697'0"	676'0"	718'0"	718'1"	698'0"
4	720'0"	718'0"	691'0"		720'11½"	719'0"
5	738'0"	740'1"			732'7½"	738'0"
6	714'0"	779'1"			779'1"	741'0"
7		818'1"				754'0"
12					781'1"	771'0"
14					809'0"	783'0"
18		799'1"				809'0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2889	
M-215I (RHR)	E 105951 SHT. 1
M-34-1	E 1061842 SHT. 1
M-34-2	E 1061842 SHT. 2
GBB-212-1 (REV 4)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	F.A.F.	G.J.	M. Spark / M. Yuzon	11/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-212-1-H

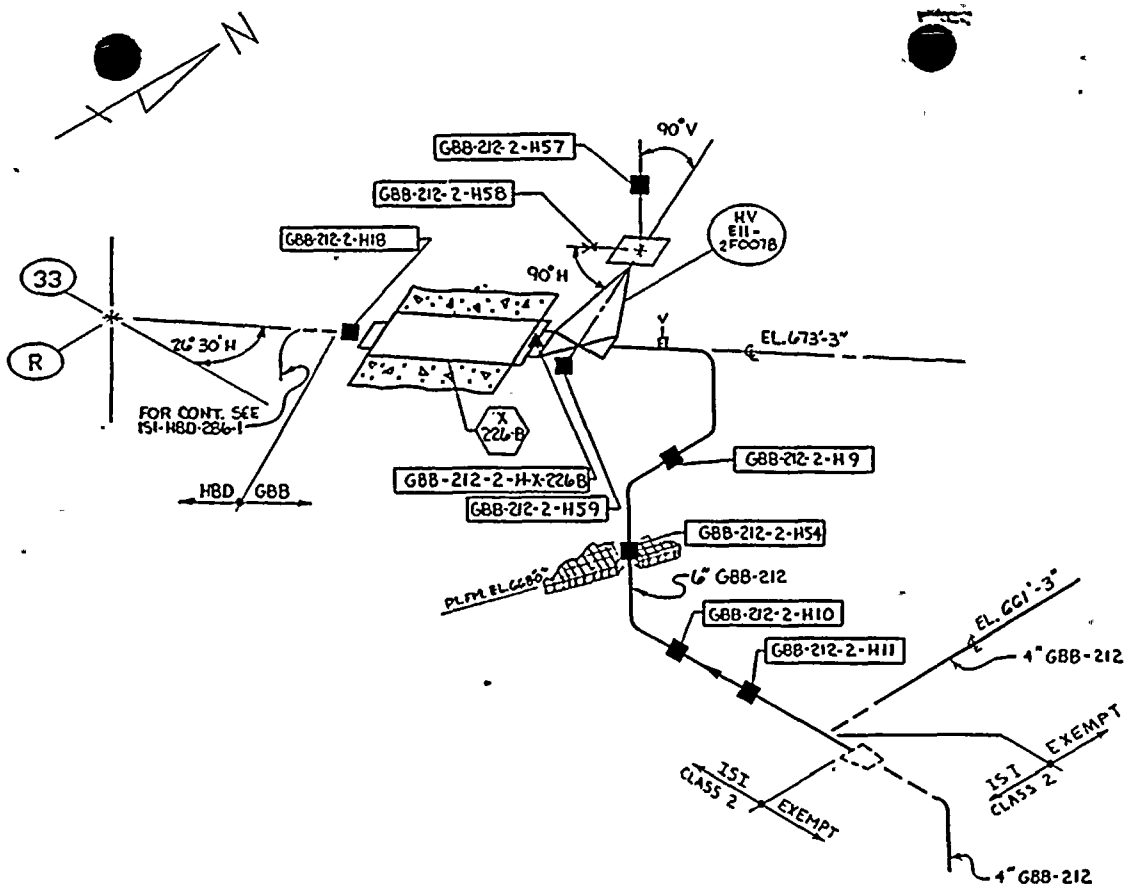
AREA 34 | ELEV 645'0" | SCALE- NONE

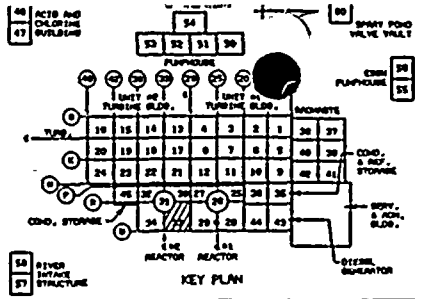
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201324 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-212-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 | G | G | G | G | G | H | SORTS | LOCATION CODES





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	645'-9"	649'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	754'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	722'-9"	719'-9"	693'-9"		726'-11½"	719'-9"
5	742'-9"	749'-1"			752'-2½"	729'-9"
6	764'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	789'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2891	
M-2151 (RHR)	E 105951 SHT. 2
M-33-1	E 106183 SHT. 1
M-33-2	E 106183 SHT. 2
GBB-212-2 (REV. 4)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	MAF	KJ	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-212-2-H

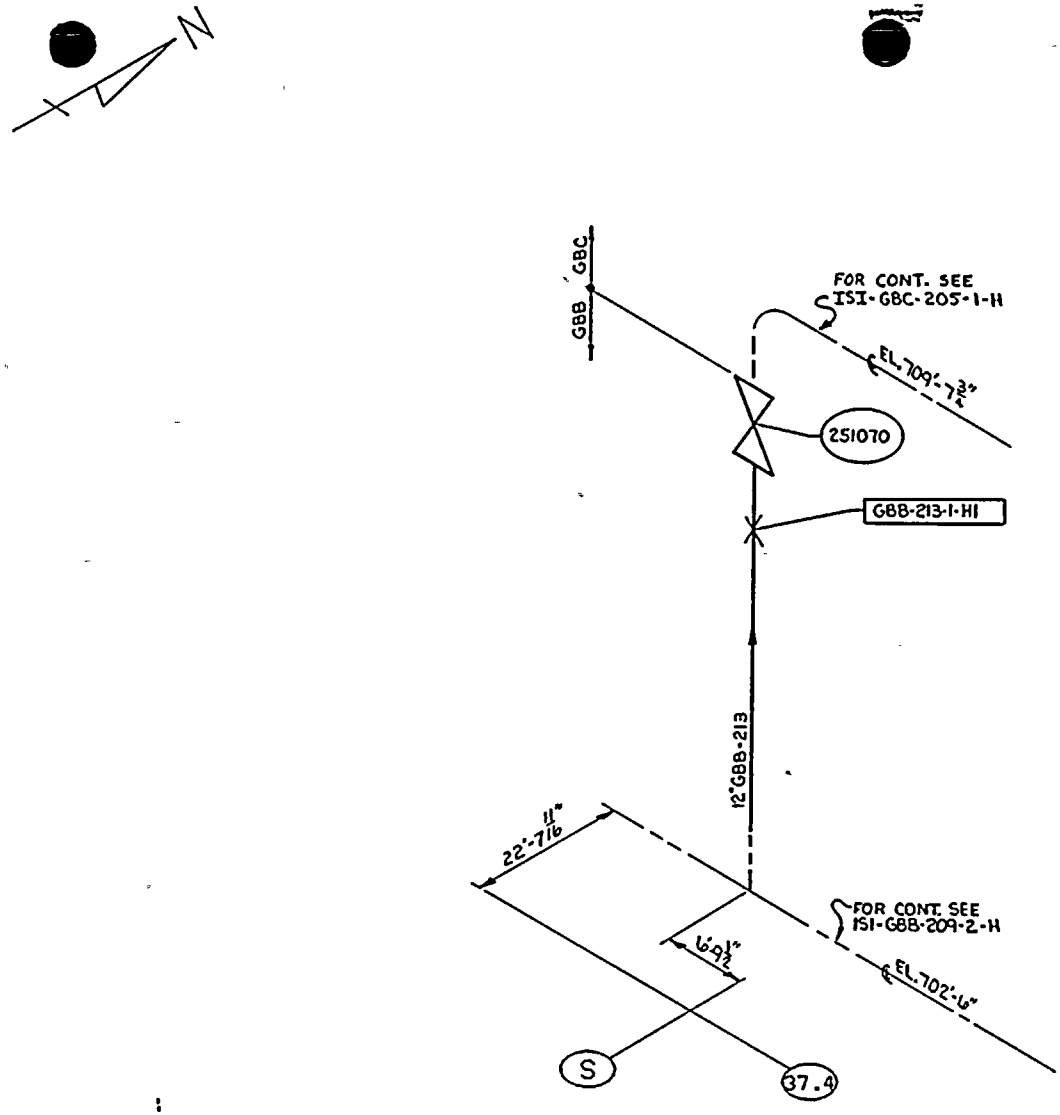
AREA 33 | ELEV. 645'0" | SCALE- NONE

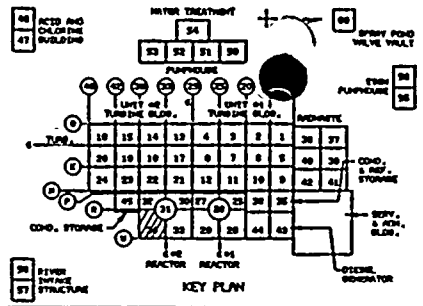
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201325 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-212-2-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | G | G | G | G | H | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	595'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	690'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	719'-0"	719'-0"	699'-0"
4	729'-0"	713'-0"	693'-0"		729'-11 1/4"	719'-0"
5	752'-0"	749'-0"			732'-3 1/4"	729'-0"
6	719'-0"	779'-0"			779'-0"	741'-0"
7		819'-0"				754'-0"
12					781'-0"	771'-0"
14					809'-0"	797'-0"
16		799'-0"				819'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI- P-51-2913	
M-215I (RHR)	E 105951 SHT. 1
M-34-3	E 106184 SHT. 3
GBB-213-1 (REV. 2)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	MAF			9/82

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-213-1-H

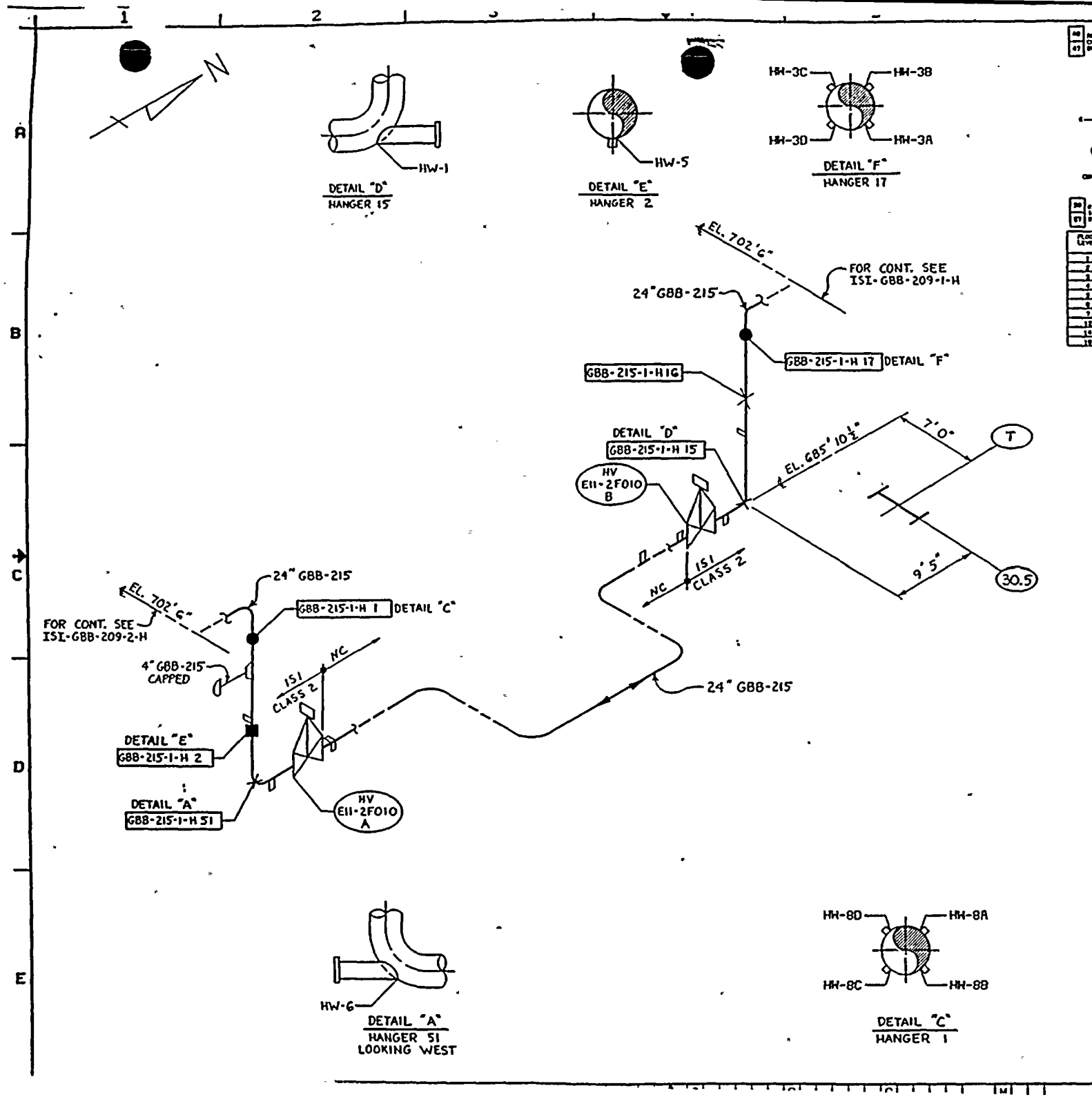
AREA 34 | ELEV. 683'0" | SCALE- NONE

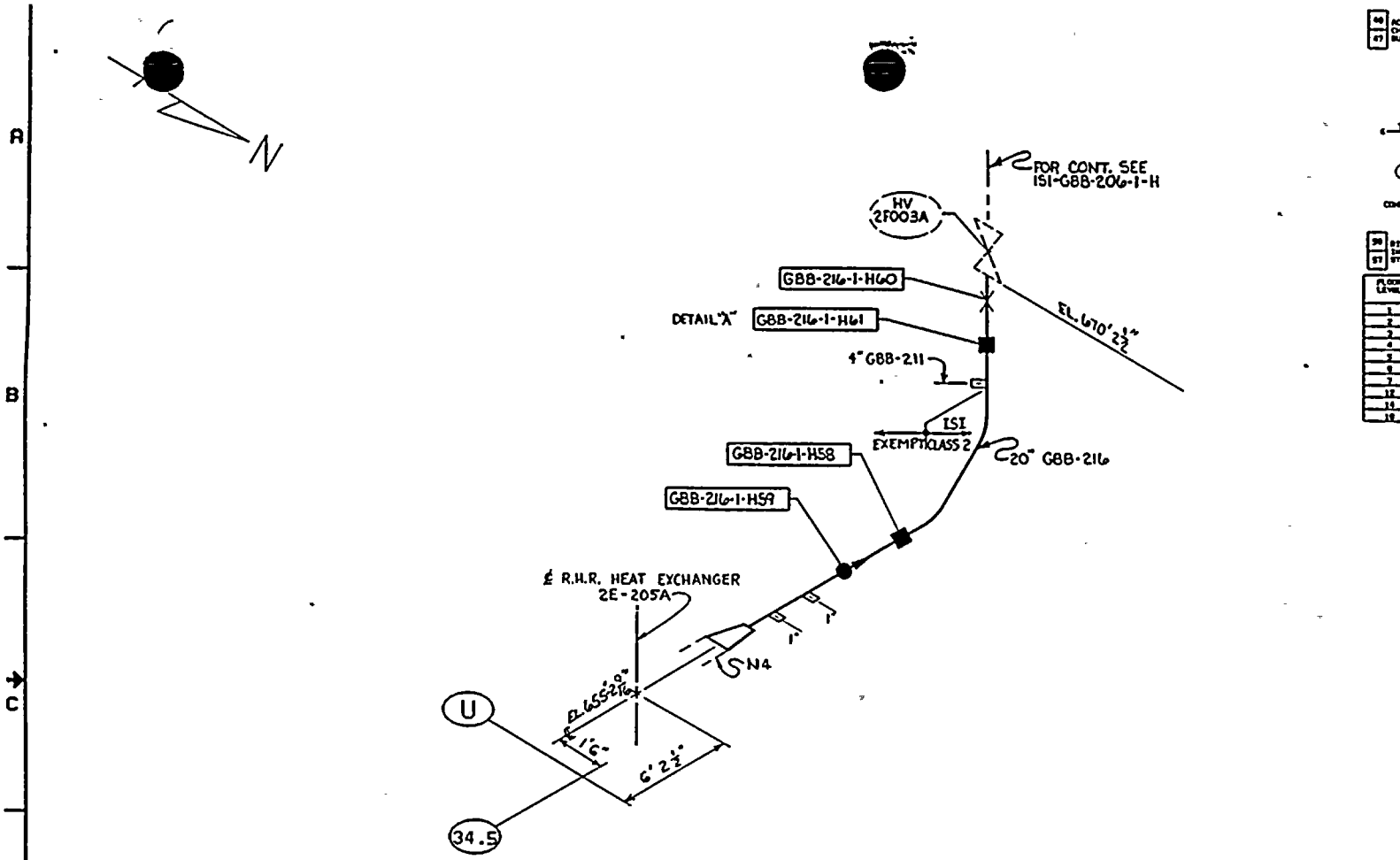
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

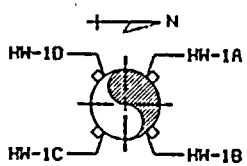
PP&L DRAWING NO. C-201326 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBB-213-1-H.

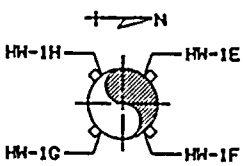
FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS


N
DETAIL "D"
HANGER 15
HW-1
DETAIL "E"
HANGER 2
HW-5
HW-3C
HW-3B
HW-3D
HW-3A
DETAIL "F"
HANGER 17
EL. 702'-6"
FOR CONT. SEE
ISI-GBB-209-1-H
24" GBB-215
GBB-215-1-H 17
DETAIL "F"
GBB-215-1-H 16
DETAIL "D"
GBB-215-1-H 15
HV
E11-2F010
B
EL. 685' 10½"
7'-0"
T
9'-5"
30.5
ISI
CLASS 2
NC
24" GBB-215
EL. 702'-6"
FOR CONT. SEE
ISI-GBB-209-2-H
GBB-215-1-H 1
DETAIL "C"
4" GBB-215
CAPPED
ISI
CLASS 2
NC
DETAIL "E"
GBB-215-1-H 2
DETAIL "A"
GBB-215-1-H 51
HV
E11-2F010
A
24" GBB-215
HW-6
DETAIL "A"
HANGER 51
LOOKING WEST
HW-8D
HW-8A
HW-8C
HW-8B
DETAIL "C"
HANGER 1
HANGER LEGEND
SPRING
SNUBBER
RIGID
ANCHOR
KEY PLAN
FCI-PSI-2865
GBB-215-1 REV. 6
M-2151 (RHR)
E-105951
M-33-3
E-186183 SH.3
M-34-3
E-186184 SH.3
AE DRAWING NO.
PP&L DRAWING NO.
REFERENCE DRAWINGS
0 INITIAL ISSUE
REV DESCRIPTION DR CH APPROVED DATE
QUALITY RELATED ASME SECT. XI
SUSQUEHANNA S.E.S.
UNIT 2
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-215-1-H
AREA
ELEV.
SCALE- NONE
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.
PP&L DRAWING NO.
C-201389
SHEET NO.
1
REV. NO.
0
AE DRAWING NO.
ISI-GBB-215-1-H



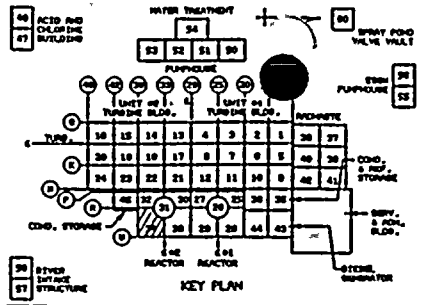


TOP LUGS
PLAN VIEW



BOTTOM LUGS
PLAN VIEW

DETAIL "A"
HANGER G1



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	SHIELD REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-3"	595'-3"	599'-3"	599'-3"		
2	679'-3"	679'-3"	699'-3"	677'-3"	704'-3"	679'-3"
3	699'-3"	697'-3"	679'-3"	719'-3"	719'-1"	699'-3"
4	729'-3"	719'-3"	691'-3"		729'-11 1/2"	714'-3"
5	739'-3"	749'-1"			732'-11 1/2"	729'-3"
6	714'-3"	779'-1"			779'-1"	741'-3"
7		819'-1"				754'-3"
12					791'-1"	771'-3"
14					804'-3"	799'-3"
19		799'-1"				839'-3"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2844	
M-2151 (R.H.R.)	E 105951 SHT. 1
M-34-1	E 106184 SHT. 1
GBB-216-1 (REV 3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RAP	TDM	[illegible]	11/6/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-216-1-H

AREA 34 | ELEV. 645'0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

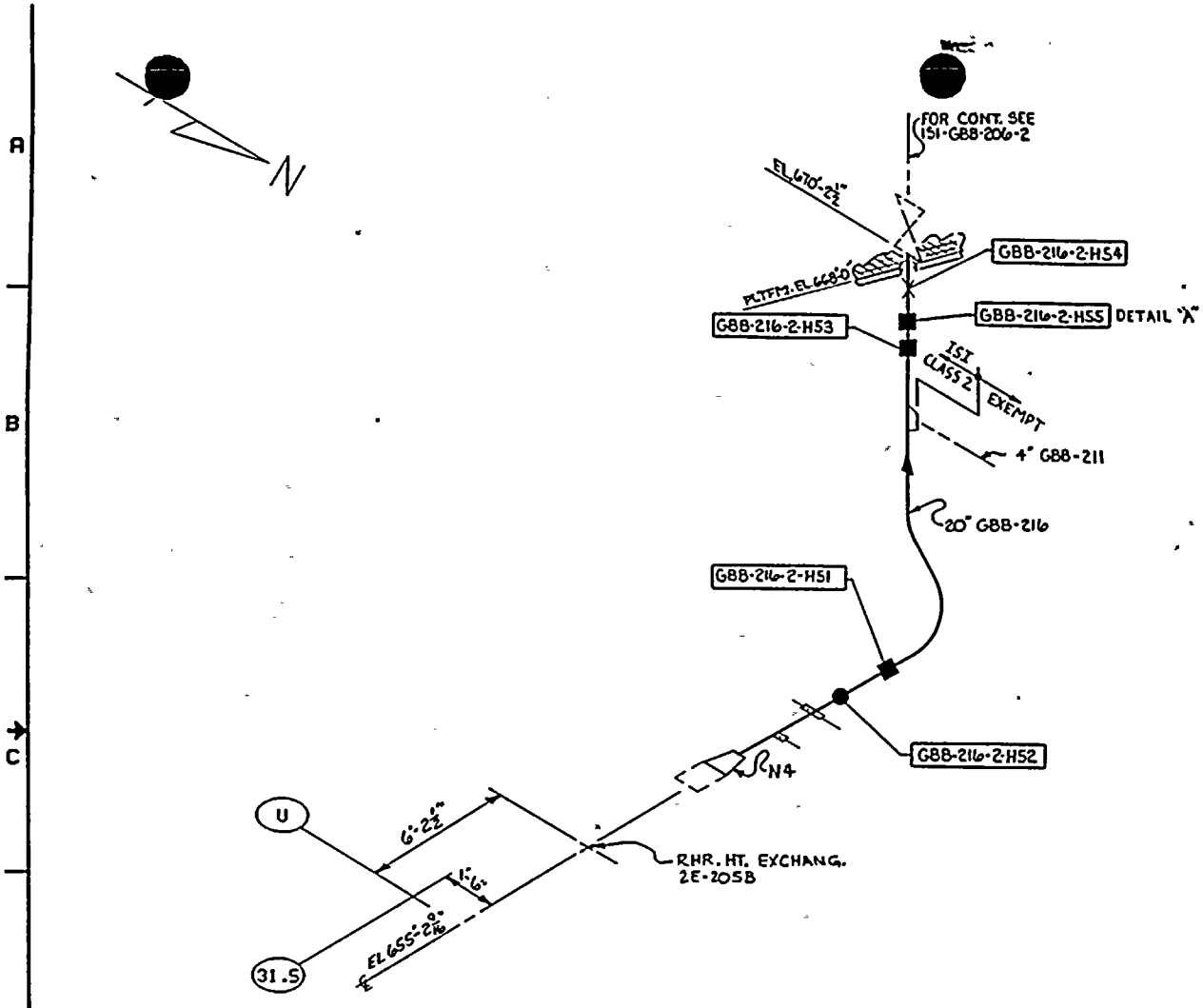
PP&L DRAWING NO. C-201327 | SHEET NO. 1 | REV. NO. 0

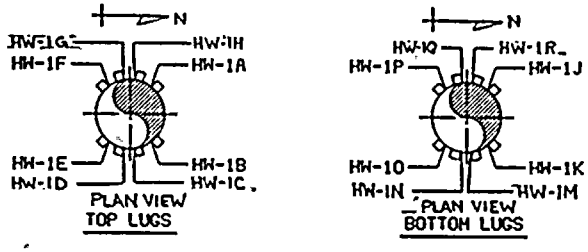
AE DRAWING NO. ISI-GBB-216-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

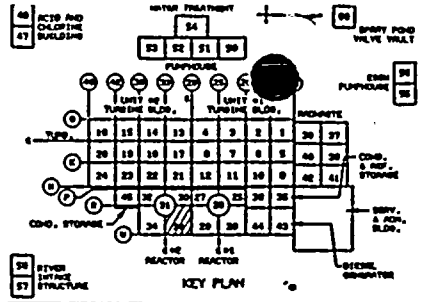
G 2 Z 2 0 | G | G | G | G | G | M

LOCATION CODES | SORTS





DETAIL "A"
HANGER 55



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2847	
M-215I (RHR)	E 105951 SHT.2
M-33-1	E 106183 SHT.1
GBB-216-2 (REV.3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RAF	SJ	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-216-2-H

AREA 33 | ELEV. 645'0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

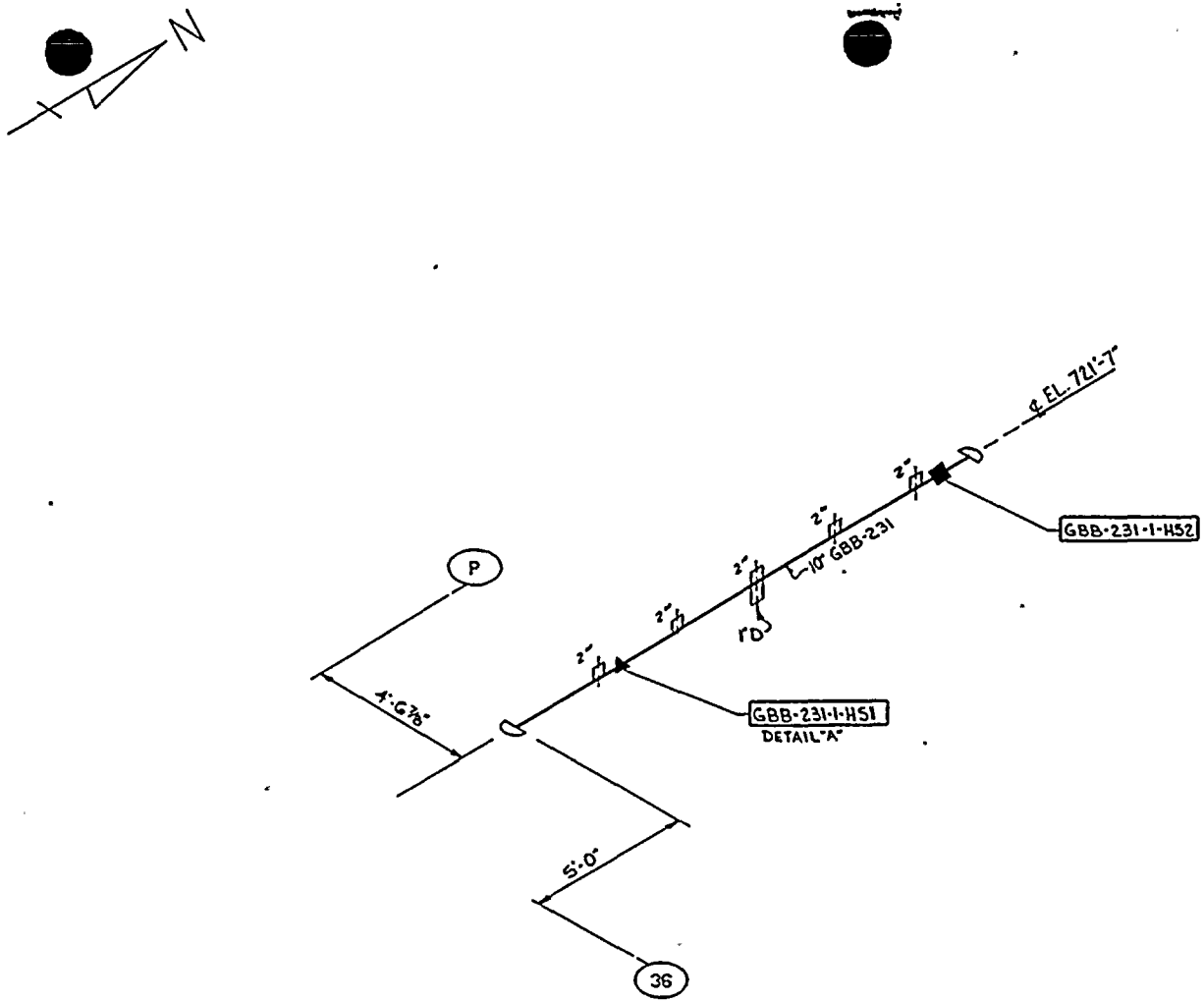
PP&L DRAWING NO. C-201328 | SHEET NO. 1 | REV. NO. 0

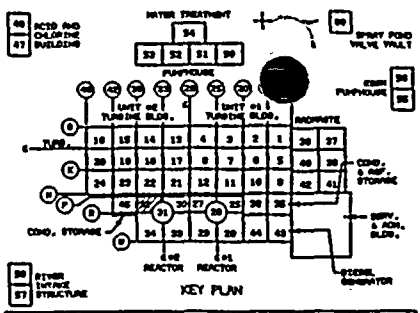
AE DRAWING NO. ISI-GBB-216-2-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 2 2 0 | G | G | G | G | H

LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	989'-9"	995'-9"	999'-9"	999'-9"		
2	973'-9"	970'-9"	999'-9"	977'-9"	739'-9"	979'-9"
3	999'-9"	992'-9"	978'-9"	710'-9"	718'-1"	989'-9"
4	733'-9"	719'-9"	991'-9"		739'-11 1/4"	719'-9"
5	749'-9"	749'-1"			752'-2 1/4"	739'-9"
6	719'-9"	779'-1"			779'-1"	749'-9"
7		810'-1"				759'-9"
12					791'-1"	771'-9"
14					809'-9"	799'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

HW-2

EL. LOOKING WEST

DETAIL "A"
HANGER 51

FCT-PS1-2104G	
GBB-231-1 (REV1)	
M-32-4	E-106182 SH.4
M-2139 (MSIV)	E-162773
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBB-231-1-H

AREA 32 | ELEV. 719'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201329 | SHEET NO. 1 | REV. NO. 0

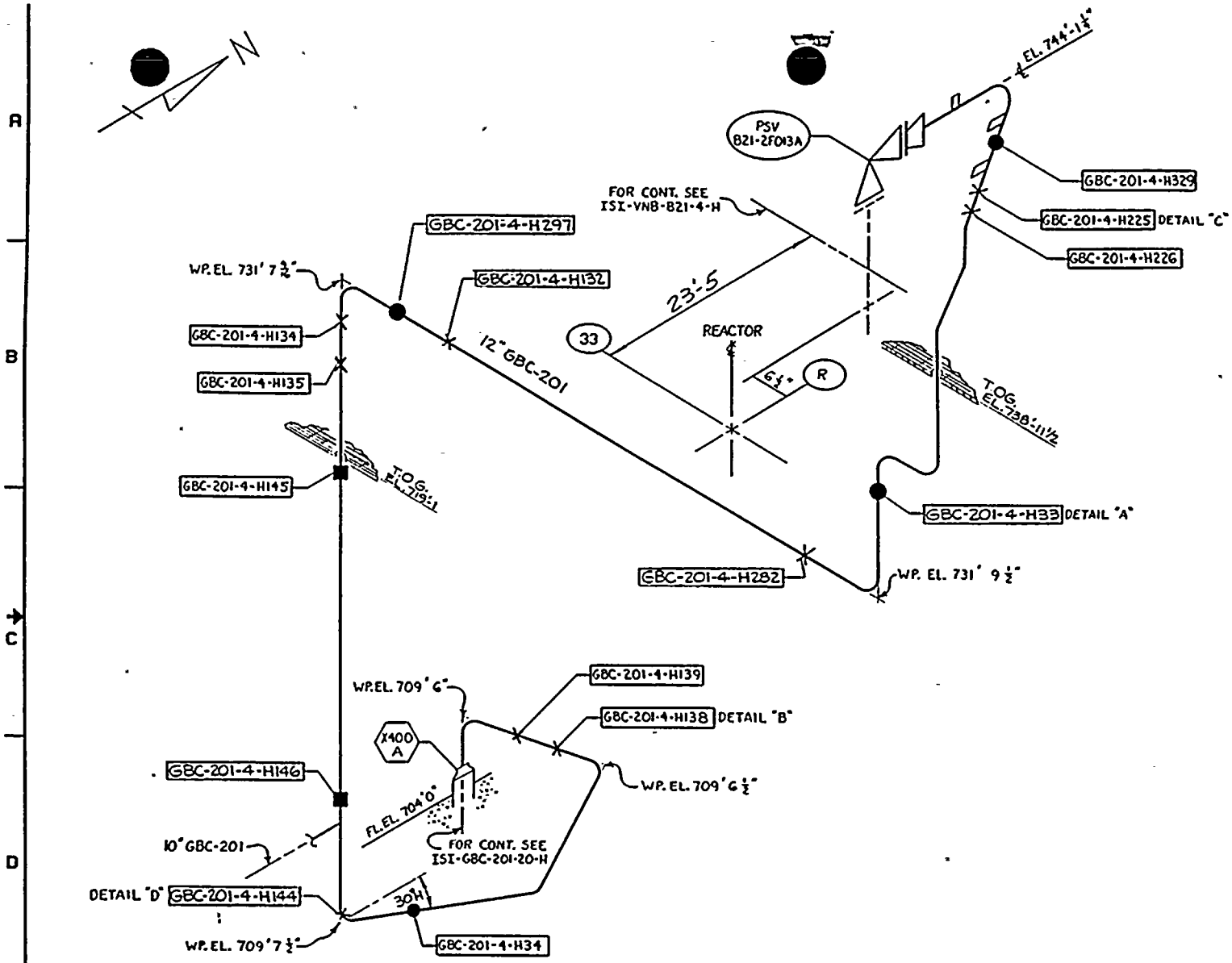
AE DRAWING NO. ISI-GBB-231-1-H

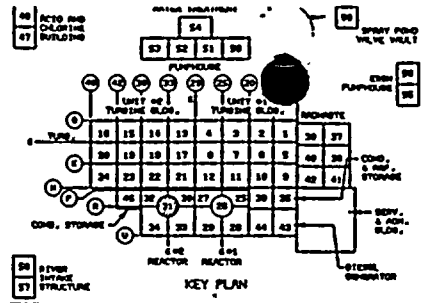
0 1 2 FRACTIONAL 2 1 0 DECIMAL

G 2 2 2 0 | G | G | G | G | H

LOCATION CODES

SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-0"	695'-0"	698'-0"	699'-0"		
2	676'-0"	676'-0"	699'-0"	677'-0"	704'-0"	676'-0"
3	698'-0"	692'-0"	676'-0"	719'-0"	718'-1"	698'-0"
4	721'-0"	719'-0"	691'-0"		728'-11 1/2"	719'-0"
5	732'-0"	749'-1"			732'-11 1/2"	721'-0"
6	744'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
19					808'-0"	792'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2953 SH.2	
GBC-201-4 SHT. 1 (REV. 4)	
M-2141 (NB)	E-105941
M-31-2	E-106181 SH.2
M-31-3	E-106181 SH.3
M-31-4	E-106181 SH.4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	GH	EW	[illegible]	8/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-GBC-201-4-H

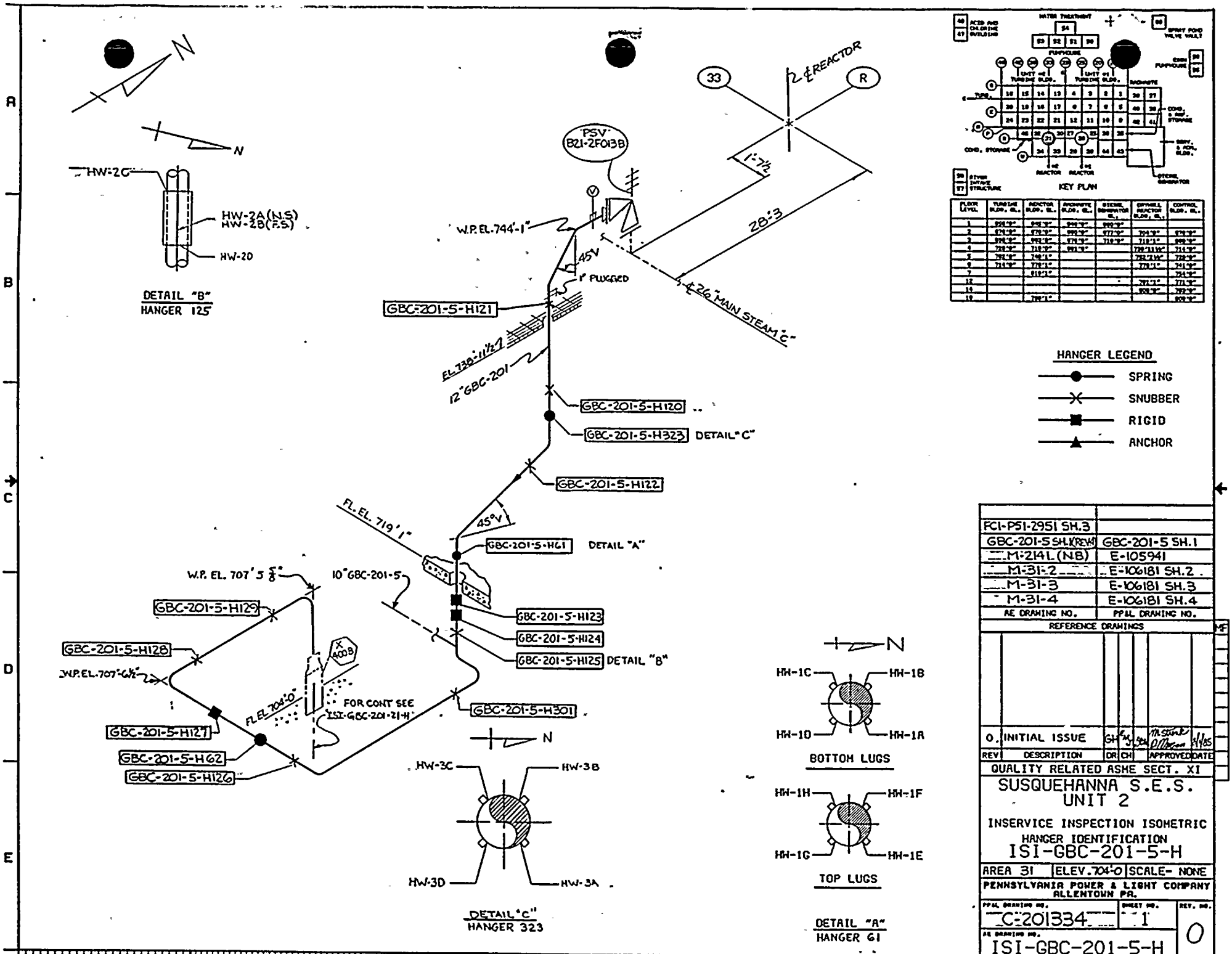
AREA 31 | ELEV. 704'-0 | SCALE- NONE

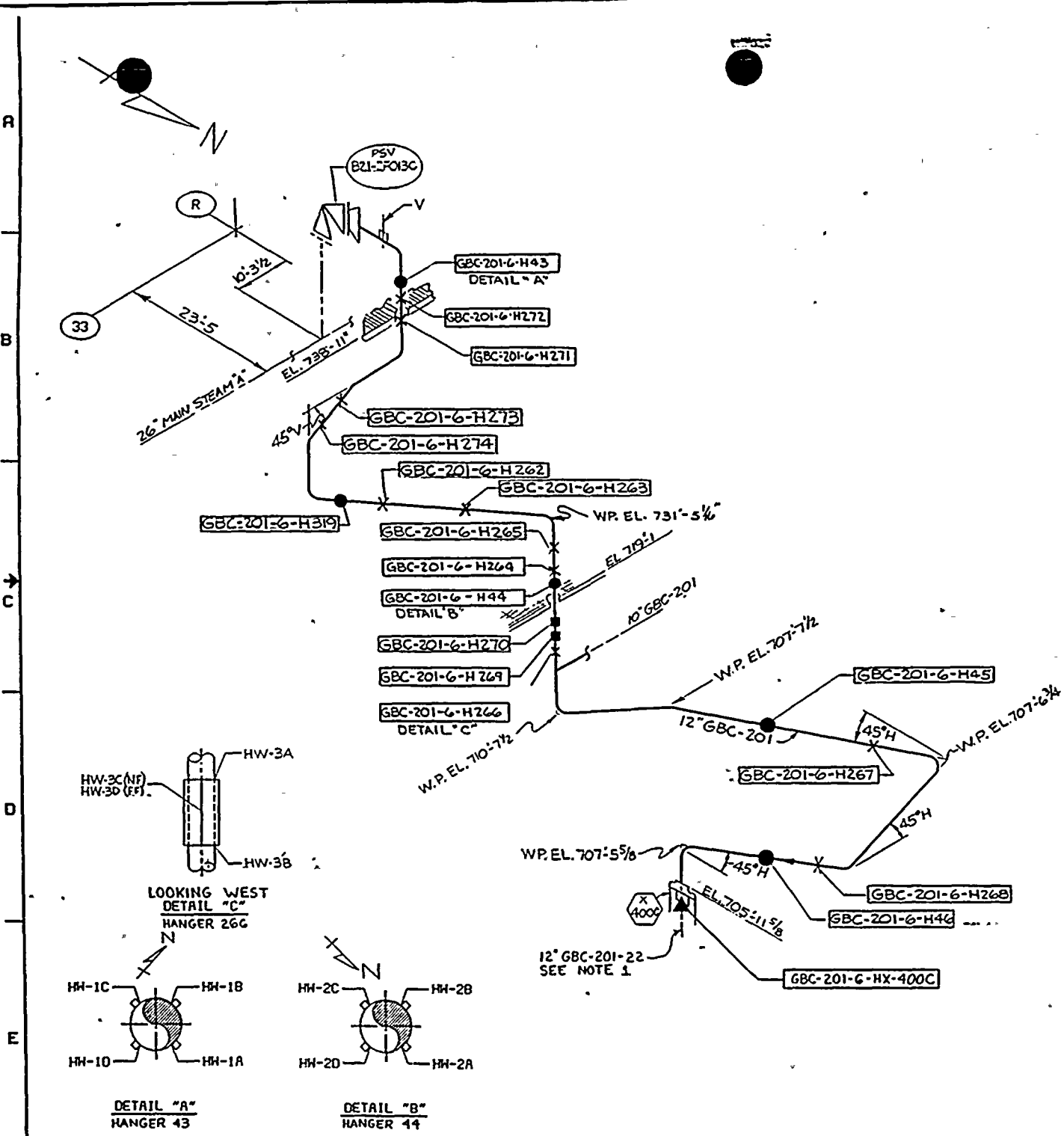
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

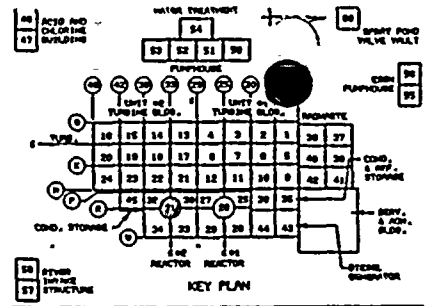
PP&L DRAWING NO. C-201333 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-4-H

FRACTIONAL DECIMAL G 2 Z 2 0 G LOCATION CODES M SORTS


N
HW-2C
HW-2A(N.S)
HW-2B(F.S)
HW-2D
DETAIL "B"
HANGER 125
PSV
B21-2F013B
W.P. EL. 744'-1"
45°
1" PLUGGED
GBC-201-5-H121
EL. 738'-11½"
12" GBC-201
GBC-201-5-H120
GBC-201-5-H323
DETAIL "C"
GBC-201-5-H122
FL. EL. 719'-1"
45°
GBC-201-5-H61
DETAIL "A"
W.P. EL. 707'-5 5/8"
10" GBC-201-5
GBC-201-5-H129
GBC-201-5-H123
GBC-201-5-H124
GBC-201-5-H125
DETAIL "B"
GBC-201-5-H128
W.P. EL. 707'-6½"
FL. EL. 704'-0
FOR CONT SEE
ISI-GBC-201-21-H
GBC-201-5-H301
GBC-201-5-H127
GBC-201-5-H62
GBC-201-5-H126
HW-3C
HW-3B
HW-3D
HW-3A
DETAIL "C"
HANGER 323
33
R
℄ REACTOR
1'-7½"
28'-3"
℄ 26" MAIN STEAM "C"
HW-1C
HW-1B
HW-1D
HW-1A
BOTTOM LUGS
HW-1H
HW-1F
HW-1G
HW-1E
TOP LUGS
DETAIL "A"
HANGER 61
HANGER LEGEND
SPRING
SNUBBER
RIGID
ANCHOR
KEY PLAN
FCI-P51-2951 SH.3
GBC-201-5 SH.1(REV1)
GBC-201-5 SH.1
M-214L (NB)
E-105941
M-31-2
E-106181 SH.2
M-31-3
E-106181 SH.3
M-31-4
E-106181 SH.4
AE DRAWING NO.
PP&L DRAWING NO.
REFERENCE DRAWINGS
0. INITIAL ISSUE
REV
DESCRIPTION
DR
CH
APPROVED
DATE
QUALITY RELATED ASME SECT. XI
SUSQUEHANNA S.E.S.
UNIT 2
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-5-H
AREA 31
ELEV. 704'-0
SCALE- NONE
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.
PP&L DRAWING NO.
C-201334
SHEET NO.
1
REV. NO.
0
AE DRAWING NO.
ISI-GBC-201-5-H
FRACTIONAL
DECIMAL
G 2 2 2 0
LOCATION CODES
SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-9"	999'-9"	999'-9"	999'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	794'-9"	979'-9"
3	959'-9"	957'-9"	979'-9"	719'-9"	719'-1"	959'-9"
4	739'-9"	719'-9"	951'-9"		739'-11 3/4"	739'-9"
5	719'-9"	749'-1"			719'-7 1/2"	719'-9"
6	714'-9"	779'-1"			779'-1"	714'-9"
7		919'-1"				714'-9"
13					791'-1"	771'-9"
14					999'-9"	793'-9"
15		799'-1"				999'-9"

KEY PLAN

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

NOTES:
1. ISI-GBC-201-22-H DELETED DUE TO NO HANGERS BELOW PENETRATION X-400C.

FCI-P51-2953(SH.2)	
GBC-201-6 SH.1(REV.1)	GBC-201-6 SH.1
M-2141	E-105941
M-31-2	E-106181 SH.2
M-31-3	E-106181 SH.3
M-31-4	E-106181 SH.4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	GH			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-GBC-201-6-H

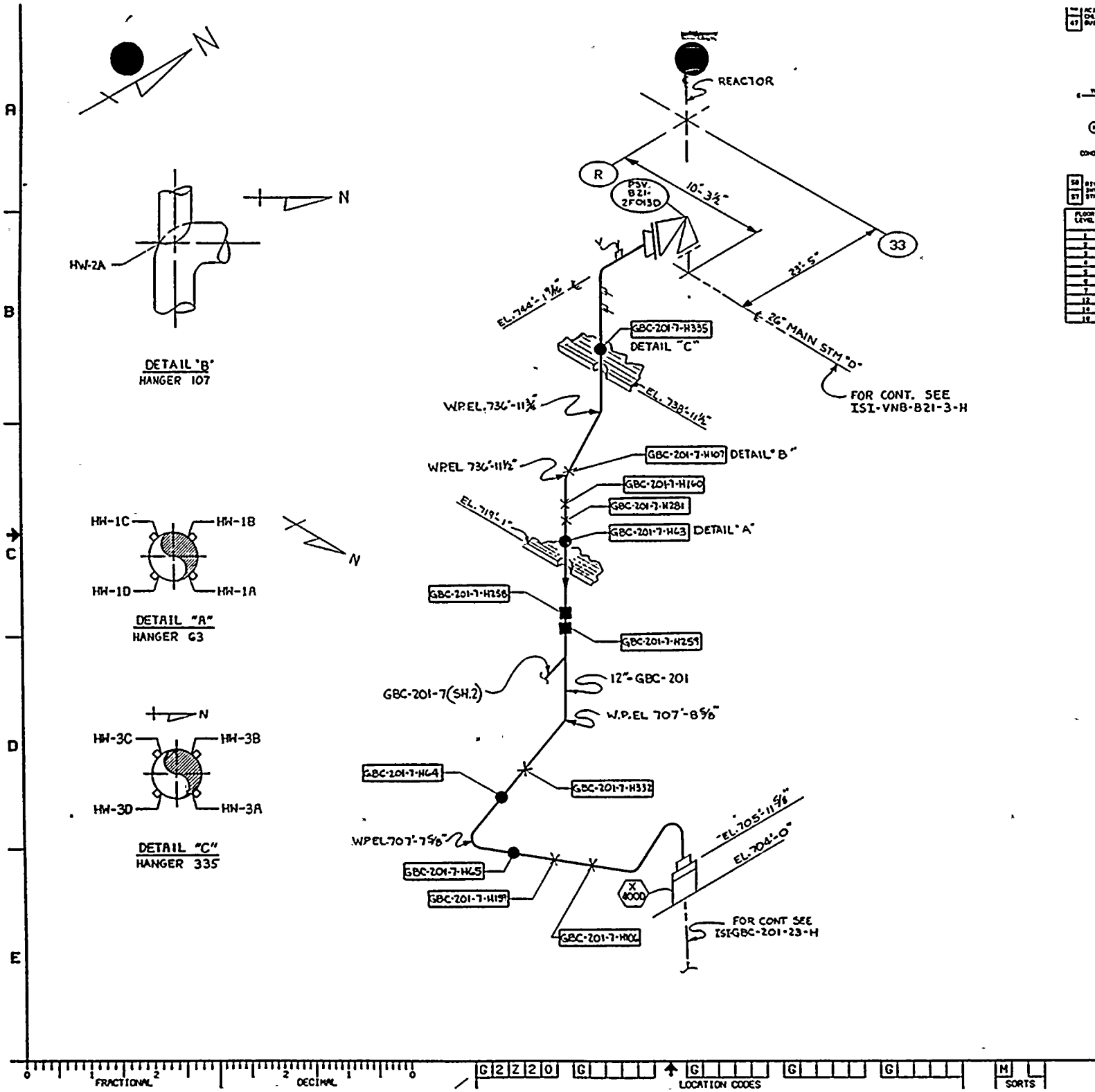
AREA 31 | ELEV. 704'-0 | SCALE- NONE

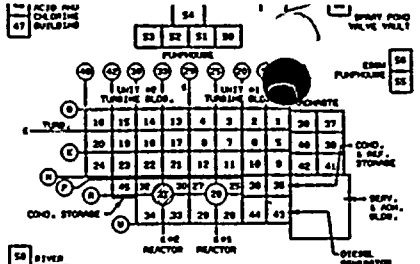
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201335 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-6-H

FRACTIONAL | DECIMAL | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	959'-9"	935'-9"	946'-9"	999'-9"		
2	879'-9"	879'-9"	890'-9"	877'-9"	799'-9"	879'-9"
3	888'-9"	903'-9"	879'-9"	719'-9"	719'-1"	888'-9"
4	739'-9"	719'-9"	881'-9"		738'-11 1/2"	719'-9"
5	759'-9"	749'-1"			758'-11 1/2"	739'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
16					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBC-201-7(REV4)	
FCI-P51-2951(SHT 2)	
M-2141	E-105941
M-31-4	E-106181 SH.4
M-31-3	E-106181 SH.3
M-31-2	E-106181 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	DJ Kay	JSK	J Clark	11/23/78

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-7-H

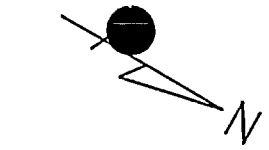
AREA-31 | ELEV. 704'-0 | SCALE- NONE

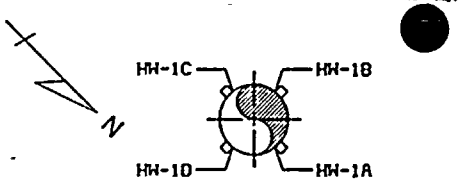
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201336 | SHEET NO. 1 | REV. NO. 0

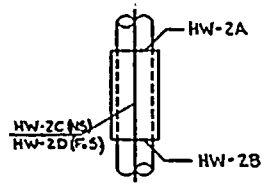
AE DRAWING NO. ISI-GBC-201-7-H

FRACTIONAL | DECIMAL | LOCATION CODES | SORTS

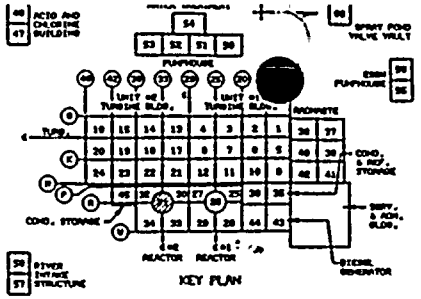




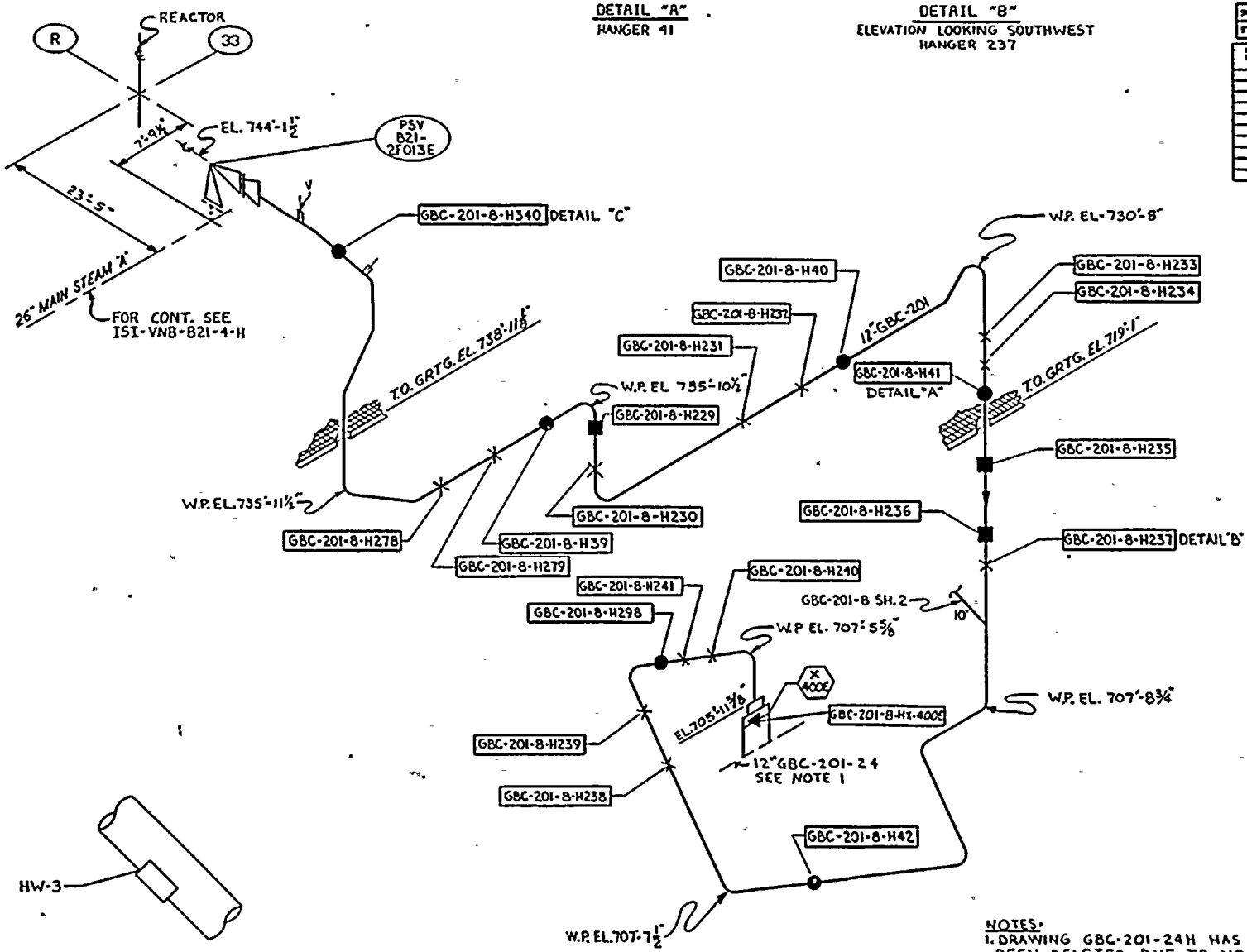
DETAIL "A"
HANGER 41



DETAIL "B"
ELEVATION LOOKING SOUTHWEST
HANGER 237



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	959'-9"	949'-9"	949'-9"	949'-9"		
2	879'-9"	879'-9"	949'-9"	877'-9"	799'-9"	879'-9"
3	899'-9"	893'-9"	879'-9"	718'-9"	718'-1"	899'-9"
4	739'-9"	719'-9"	893'-9"		739'-11½"	719'-9"
5	757'-9"	749'-1"			757'-8½"	739'-9"
6	719'-9"	779'-1"			779'-1"	749'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	793'-9"
19		799'-1"				809'-9"



HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

DETAIL "C"
HANGER 340

NOTES:
1. DRAWING GBC-201-24H HAS BEEN DELETED DUE TO NO HANGERS BELOW PENETRATION X-400E.

GBC-201-8(REV.4)	
FCI-PSI-2953 (SHT.2)	
M-214	E-105941
M-31-4	E-106181 SH.4
M-31-3	E-106181 SH.3
M-31-2	E-106181 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-8-H

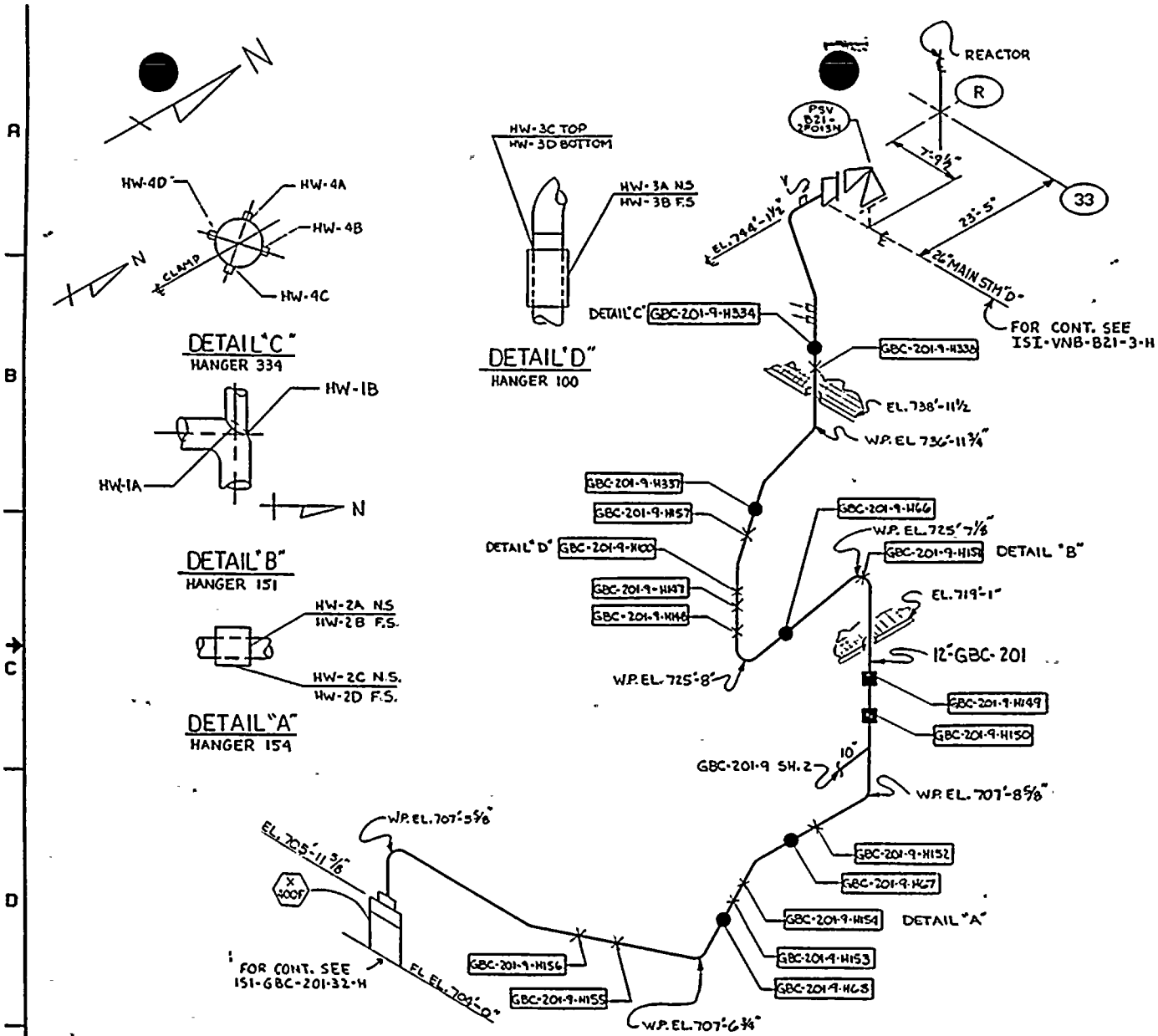
AREA 31 | ELEV. 704'-0" | SCALE- NONE

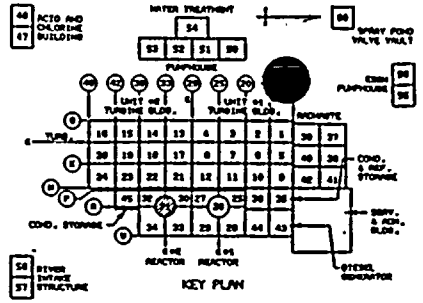
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201337 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-8-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	925'-0"	895'-0"	844'-0"	844'-0"		
2	879'-0"	879'-0"	844'-0"	877'-0"	794'-0"	879'-0"
3	844'-0"	844'-0"	879'-0"	844'-0"	719'-1"	844'-0"
4	737'-0"	719'-0"	881'-0"		736'-11¾"	719'-0"
5	719'-0"	749'-1"			754'-2½"	737'-0"
6	714'-0"	779'-1"			779'-1"	749'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	792'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBC-201-9(REV.4)	
FCI-P51-2951	
M-2141	E-105941 SH.1
M-31-4	E-106181 SH.4
M-31-3	E-106181 SH.3
M-31-2	E-106181 SH 2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	DWH			1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-9-H

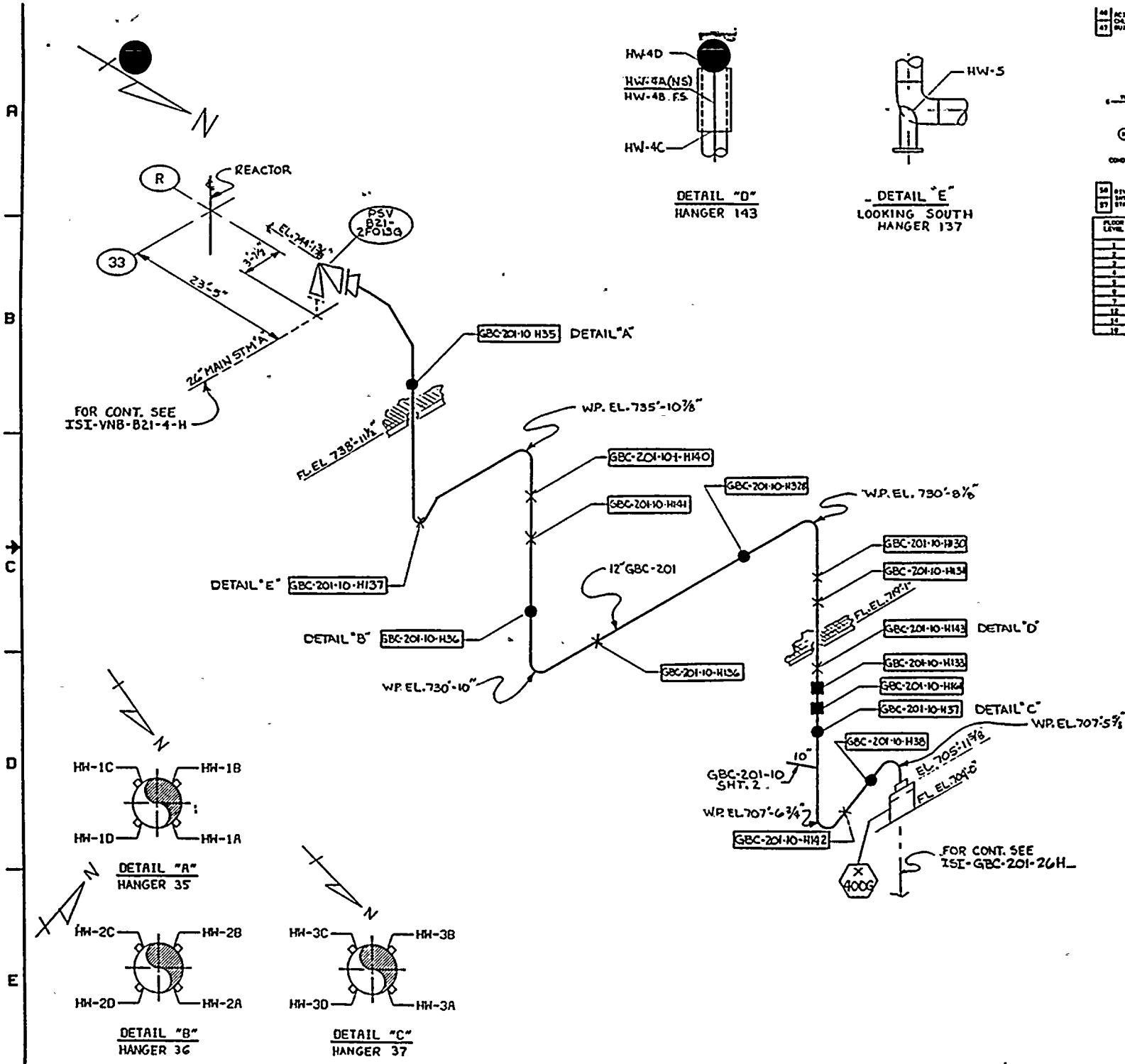
AREA-31 | ELEV. 683'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201338 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-9-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 | G | G | G | G | LOCATION CODES | M | SORTS



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	658'-0"	645'-0"	645'-0"	649'-0"		
2	676'-0"	670'-0"	680'-0"	677'-0"	704'-0"	679'-0"
3	698'-0"	692'-0"	678'-0"	719'-0"	718'-1"	698'-0"
4	722'-0"	718'-0"	691'-0"		728'-11 1/2"	716'-0"
5	752'-0"	749'-1"			752'-2 1/2"	732'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	792'-0"
19		799'-1"				809'-0"

GBC-201-10(REV.3)	
FCI P51-2953 SH2	
M-2141 (M.S.)	E-105941-1
M-31-4	E-106181-4
M-31-3	E-106181-3
M-31-2	E-106181-2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	DLH	CW	M Gaul	11/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-GBC-201-10-H

AREA-31 | ELEV. 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

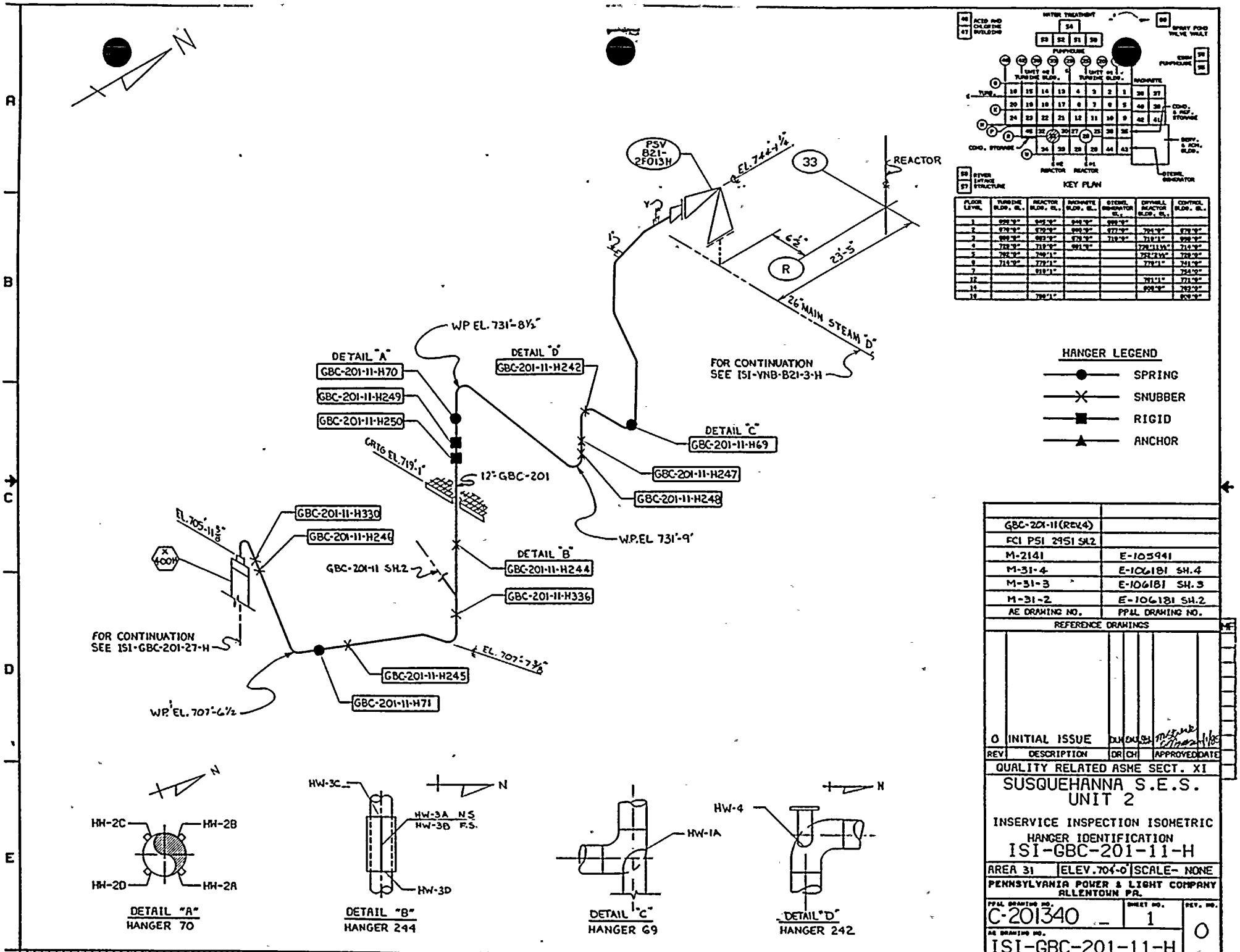
PP&L DRAWING NO. C-201339 | SHEET NO. 1 | REV. NO. 0

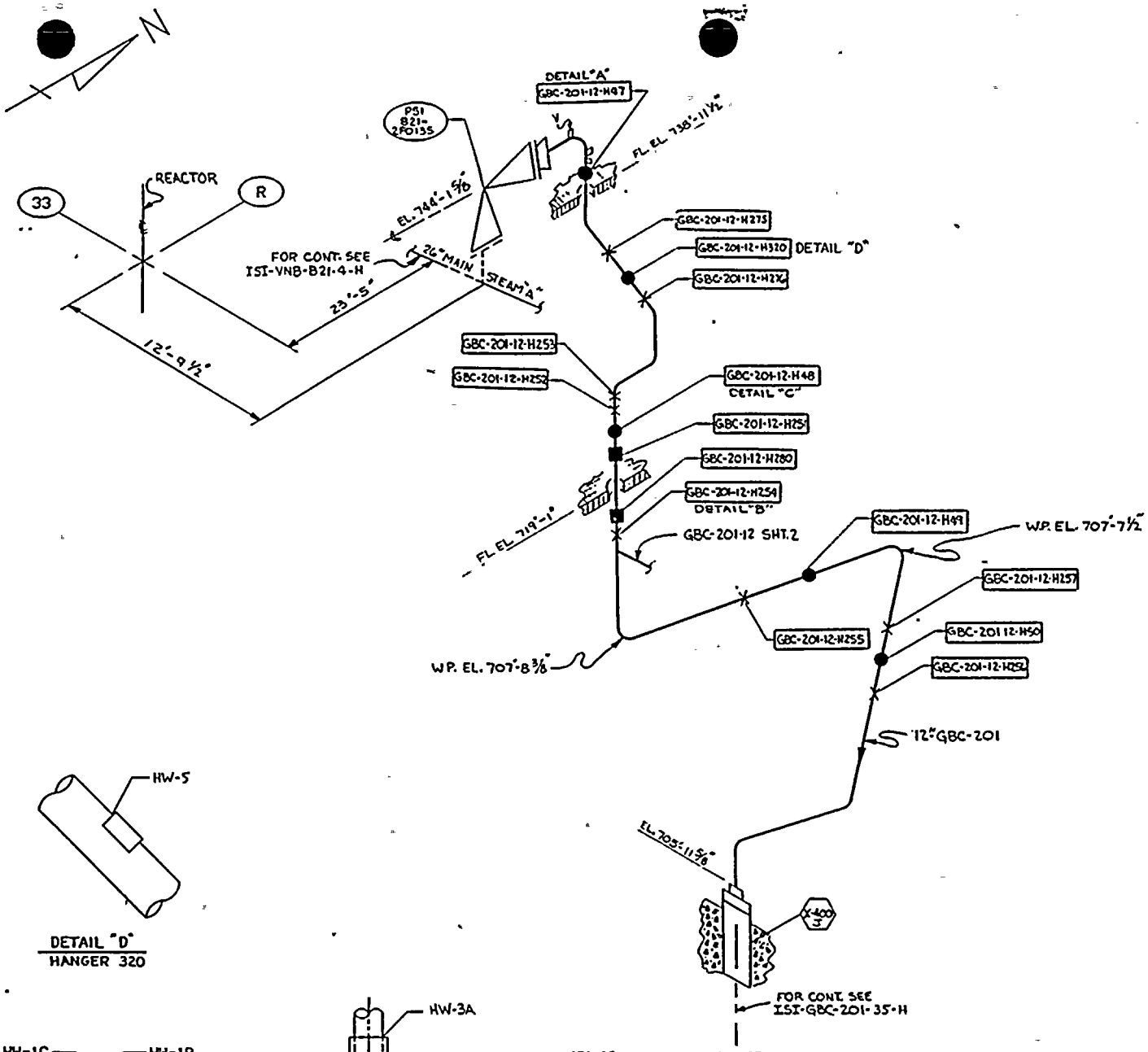
AE DRAWING NO. ISI-GBC-201-10-H

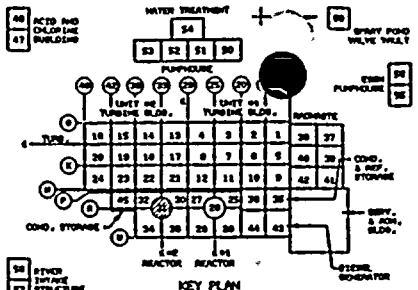
FRACTIONAL 0 1 2 DECIMAL 2 1 0

G 2 Z 2 0 | G | G | G | G | H

LOCATION CODES | SORTS


N
PSV 821-2F013H
EL. 742'-7 1/4"
33
REACTOR
6'-2"
23'-5"
R
26" MAIN STEAM "D"
FOR CONTINUATION SEE ISI-YNB-B21-3-H
WP EL. 731'-8 1/2"
DETAIL "A"
GBC-201-11-H70
GBC-201-11-H249
GBC-201-11-H250
DETAIL "D"
GBC-201-11-H242
DETAIL "C"
GBC-201-11-H69
GBC-201-11-H247
GBC-201-11-H248
W.P. EL 731'-9"
GRTG EL. 719'-1"
12" GBC-201
EL. 705'-11 3/8"
GBC-201-11-H330
GBC-201-11-H246
400H
GBC-201-11 SH.2
DETAIL "B"
GBC-201-11-H244
GBC-201-11-H336
FOR CONTINUATION SEE ISI-GBC-201-27-H
EL. 707'-7 3/8"
GBC-201-11-H245
GBC-201-11-H71
WP EL. 707'-6 1/2"
HW-2C
HW-2B
HW-2D
HW-2A
DETAIL "A"
HANGER 70
HW-3C
HW-3A N.S.
HW-3B F.S.
HW-3D
DETAIL "B"
HANGER 244
HW-1A
DETAIL "C"
HANGER 69
HW-4
DETAIL "D"
HANGER 242
KEY PLAN
HANGER LEGEND
SPRING
SNUBBER
RIGID
ANCHOR
GBC-201-11(REV.4)
FCI PSI 2951 SH.2
M-2141 E-105941
M-31-4 E-106181 SH.4
M-31-3 E-106181 SH.3
M-31-2 E-106181 SH.2
AE DRAWING NO. PP&L DRAWING NO.
REFERENCE DRAWINGS
0 INITIAL ISSUE
REV DESCRIPTION DR CH APPROVED DATE
QUALITY RELATED ASME SECT. XI
SUSQUEHANNA S.E.S.
UNIT 2
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-11-H
AREA 31 ELEV. 704'-0" SCALE- NONE
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.
PP&L DRAWING NO. C-201340
SHEET NO. 1
REV. NO. 0
AE DRAWING NO. ISI-GBC-201-11-H
FRACTIONAL
DECIMAL
LOCATION CODES
SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-9"	695'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	697'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	721'-9"	719'-9"	691'-9"		736'-11½"	714'-9"
5	741'-9"	740'-1"			752'-7½"	721'-9"
6	714'-9"	772'-1"			779'-1"	741'-9"
7		810'-1"				754'-9"
12					791'-1"	771'-9"
14					814'-9"	792'-9"
17		799'-1"				838'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBC-201-12 (REV 4)	
ECI-P51-7 SH3	
M-2141	E-105941
M-31-4	E-106181 SH.4
M-31-3	E-106181 SH.3
M-31-2	E-106181 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	DJK			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-12-H

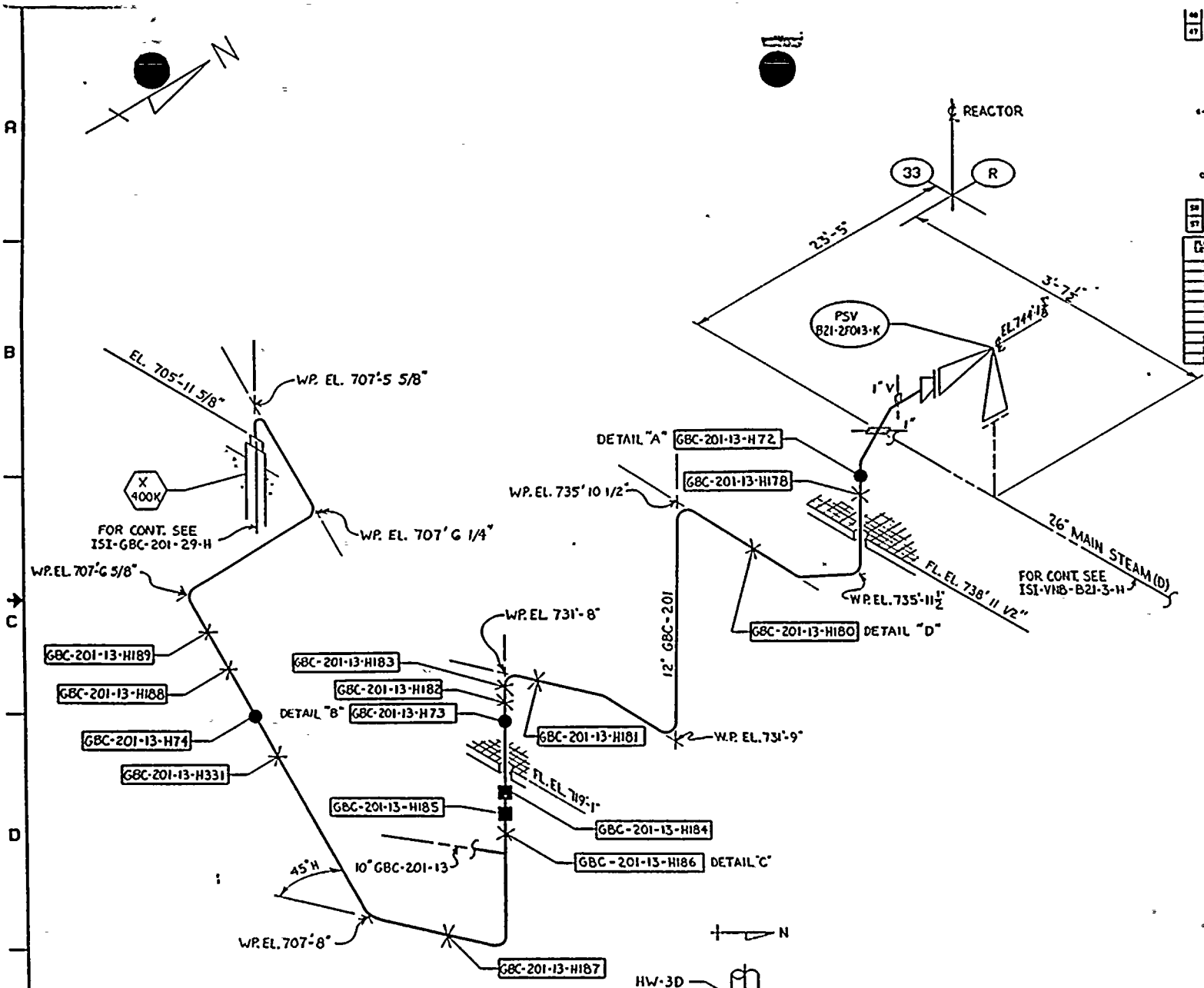
AREA 31 | ELEV. 704'-0" | SCALE- NONE

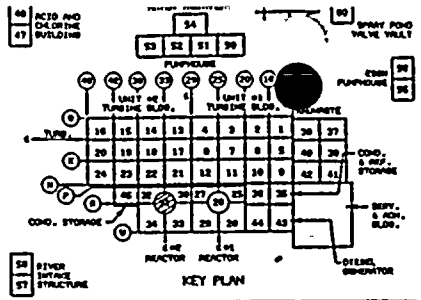
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C 201341 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-12-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2141 (MAIN STEAM)	E-105941
GBC-201-13 SH.1 (REV.4)	
FCI-PS1-2951	
M-31-2	E-106181 SH.2
M-31-3	E-106181 SH.3
M-31-4	E-106181 SH.4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	CDM	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-13-H

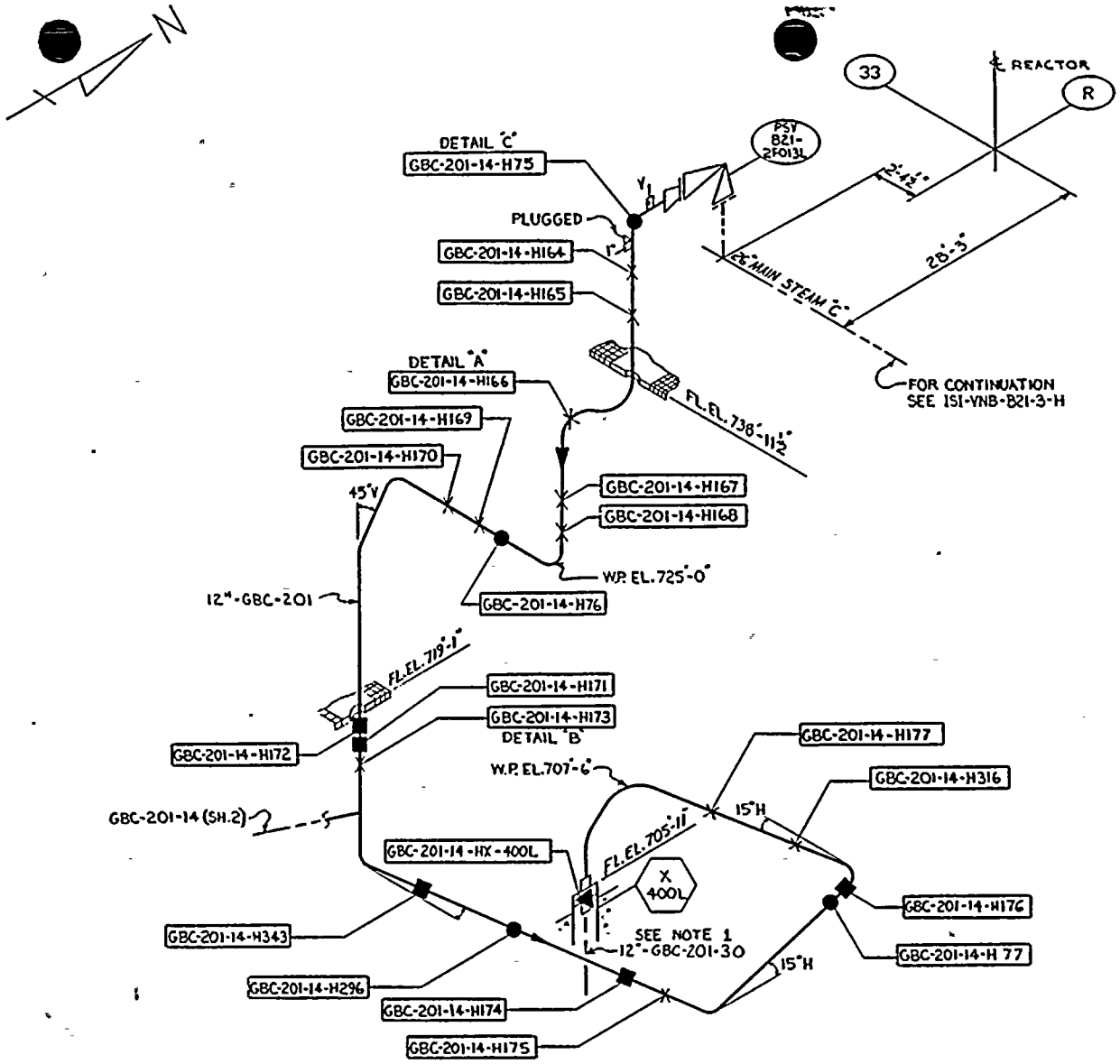
AREA 31 | ELEV. 704'-0" | SCALE- NONE

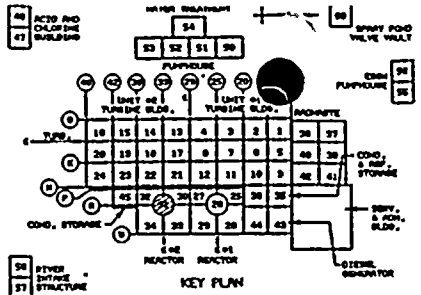
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201342 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-13-H

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

NOTES:
1. ISI-GBC-201-30-H DELETED, DUE TO NO HANGER BELOW PENETRATION, X-400L.

FCI-PSI-2951 (SHT.3)	
GBC-201-14 (REV.4)	
M-2141 (MAIN STEAM)	E-105941
M-31-2	E-106181 SH.2
M-31-3	E-106181 SH.3
M-31-4	E-106181 SH.4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-14-H

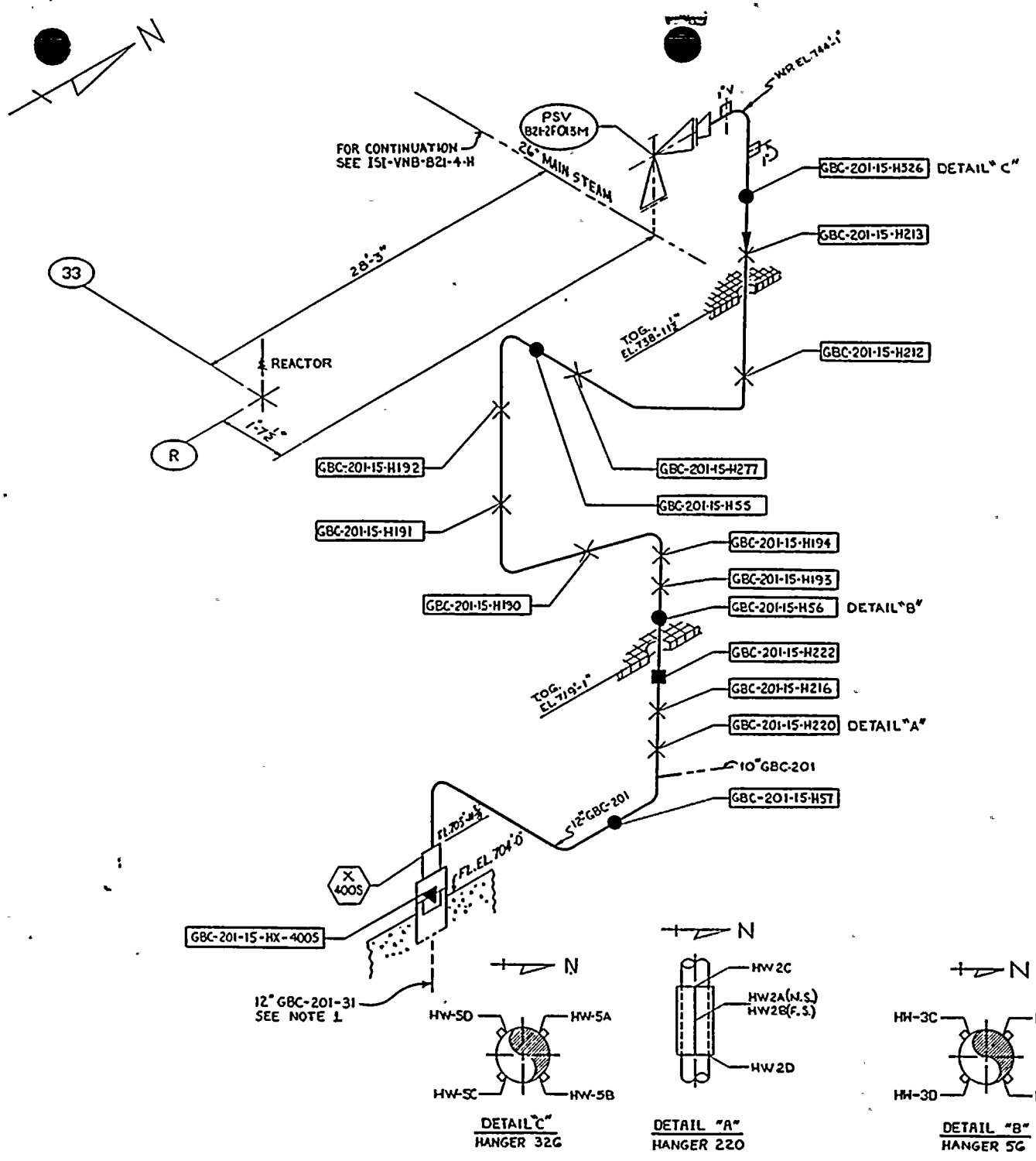
AREA 31 | ELEV. 704'-0" | SCALE- NONE

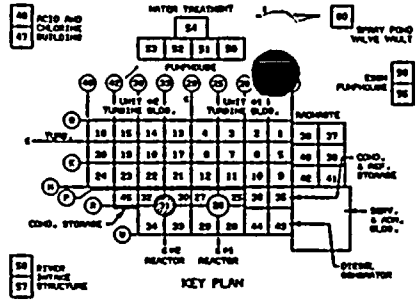
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201343 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-14-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	SHIELD REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
15		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

NOTES:
1. ISI-GBC-201-31-H DELETED DUE TO NO HANGERS BELOW PENETRATION X-400S.

GBC-201-15(REV.4)	
FCI-PS1-2952 (SH.2)	
M-2141 NCLR. BLR.	E-105941
M-31-2	E-106181-SHT. 2
M-31-3	E-106181-SHT. 3
M-31-4	E-106181-SHT. 4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-15-H

AREA 31 | ELEV. 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

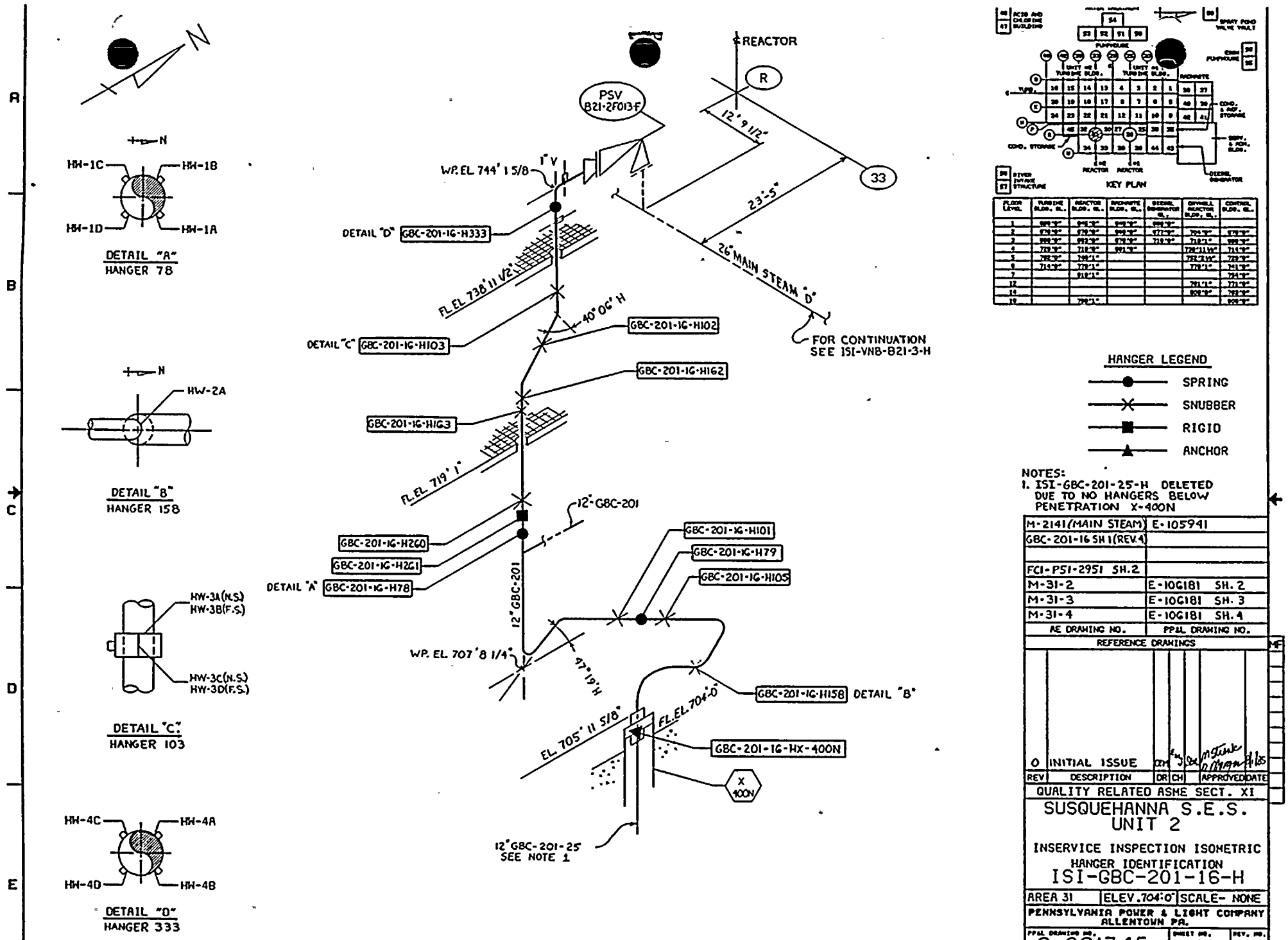
PP&L DRAWING NO. C-201344 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-15-H

FRACTIONAL 0 1 2 DECIMAL 2 1 0

G 2 Z 2 0 | G | G | G | G | H

LOCATION CODES | SORTS



NOTES:
1. ISI-GBC-201-25-H DELETED DUE TO NO HANGERS BELOW PENETRATION X-400N

M-2141 (MAIN STEAM)	E-105941
GBC-201-16 SH 1 (REV. 4)	
FCI-P51-2951 SH. 2	
M-31-2	E-10G181 SH. 2
M-31-3	E-10G181 SH. 3
M-31-4	E-10G181 SH. 4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	CM			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-GBC-201-16-H

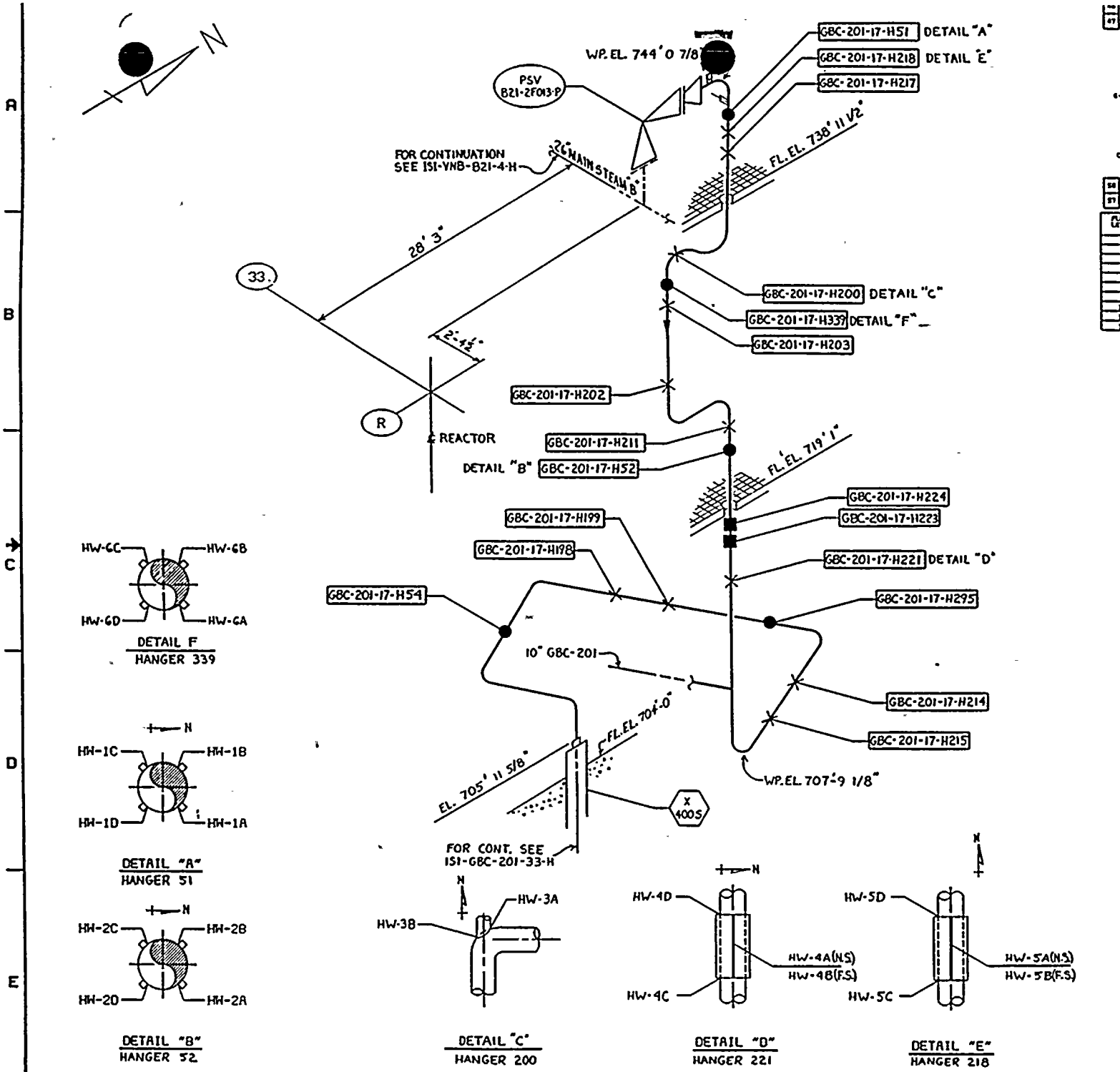
AREA 31 | ELEV. 704'-0" | SCALE- NONE

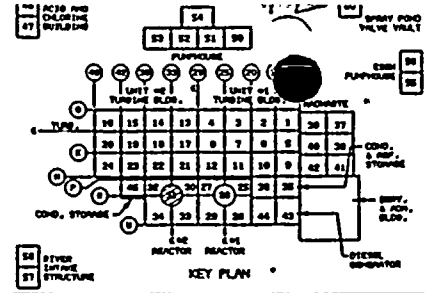
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-201345 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-16-H

FRACTIONAL | DECIMAL | LOCATION CODES G2220 | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-9"	995'-9"	999'-9"	992'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	704'-9"	979'-9"
3	999'-9"	992'-9"	979'-9"	719'-9"	719'-1"	999'-9"
4	733'-9"	719'-9"	991'-9"		739'-11 1/2"	719'-9"
5	792'-9"	749'-1"			752'-2 1/2"	739'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2141(MAIN STEAM)	E-105941
GBC-201-17 SH.1 (REV. 3)	
FCI-PSI-2952(SHT.2)	
M-31-2	E-10G181 SH. 2
M-31-3	E-10G181 SH. 3
M-31-4	E-10G181 SH. 4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	CDH	EW	RSA	rasank	4/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-17-H

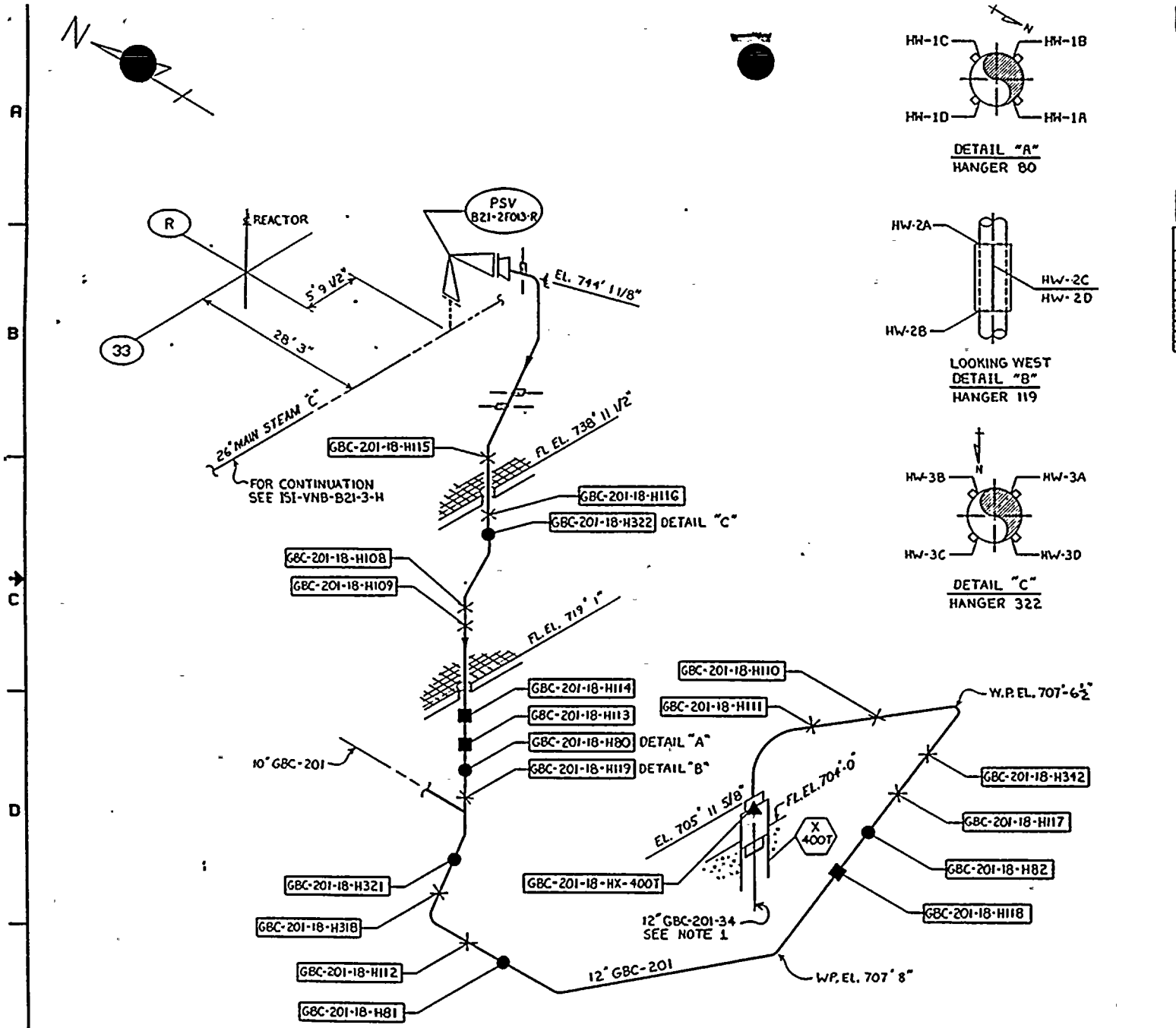
AREA 31 | ELEV. 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201346 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-17-H

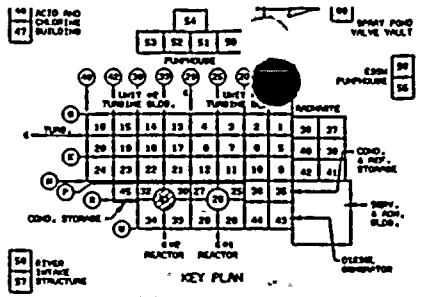
FRACTIONAL | DECIMAL | G 2 2 2 0 | G | G | G | G | M | LOCATION CODES | SORTS



DETAIL "A"
HANGER 80

LOOKING WEST
DETAIL "B"
HANGER 119

DETAIL "C"
HANGER 322



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	645'-9"	646'-9"	677'-9"		
2	679'-9"	679'-9"	690'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	692'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	719'-9"	719'-9"	691'-9"		729'-11 1/2"	719'-9"
5	732'-9"	748'-1"			732'-2 1/2"	732'-9"
6	719'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					781'-1"	771'-9"
14					804'-9"	792'-9"
19		799'-1"				804'-9"

KEY PLAN

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

NOTES:
1. ISI-GBC-201-34-H DELETED DUE TO NO HANGERS BELOW PENETRATION X-400T.

M-2141 (MAIN STEAM)	E-105941
GBC-201-18 SH.1 (REV. 4)	
FCI-P51-2951 (SHT. 3)	
M-31-2	E-10G181 SH. 2
M-31-3	E-10G181 SH. 3
M-31-4	E-10G181 SH. 4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	CDM	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-18-H

AREA 31 | ELEV. 704'-0" | SCALE- NONE

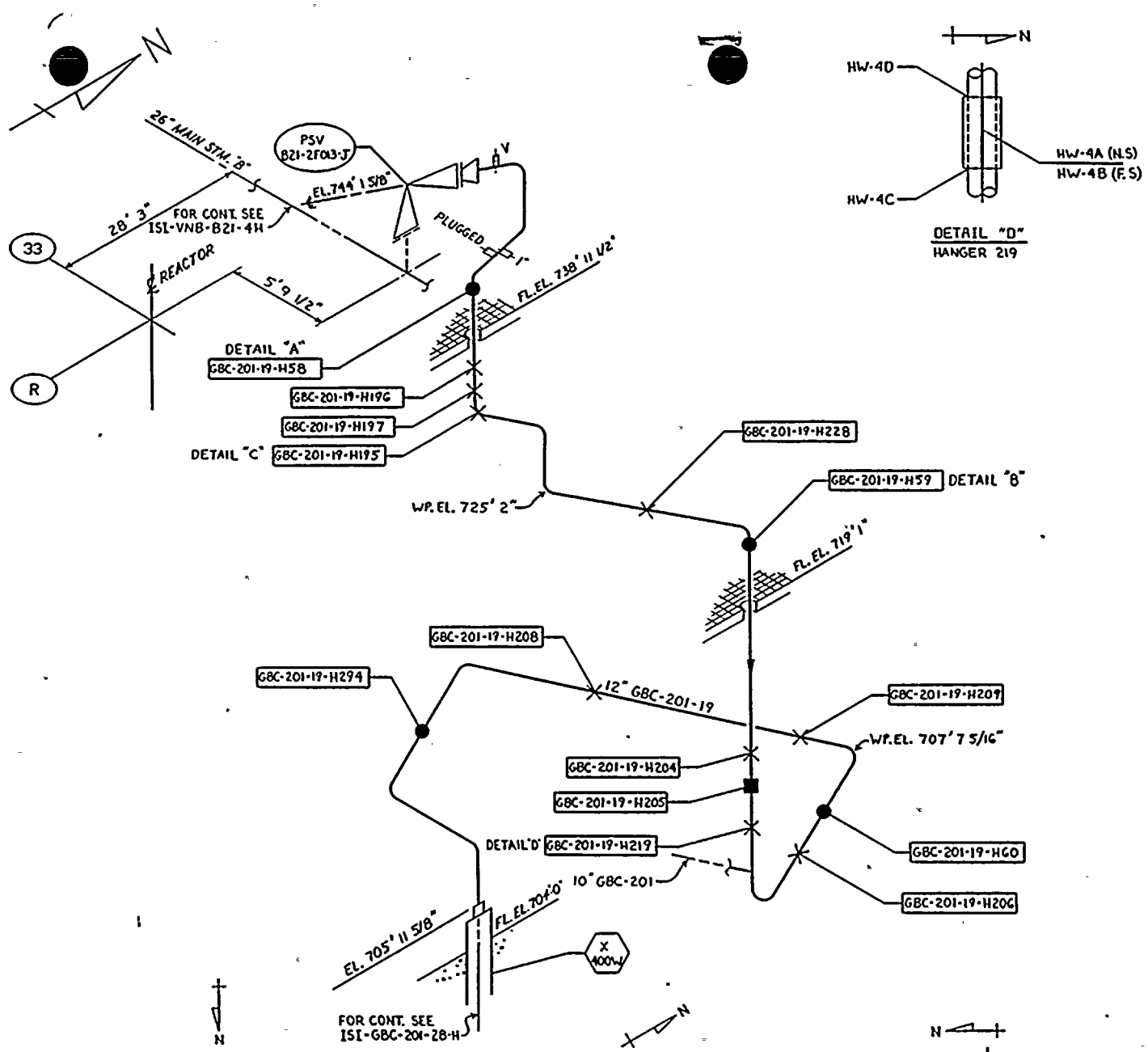
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

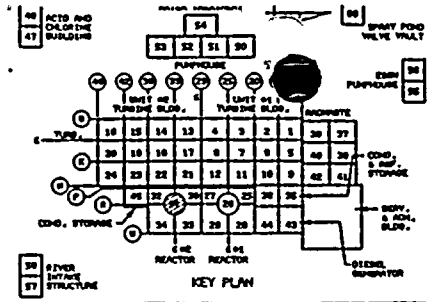
PP&L DRAWING NO. C-201347 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-18-H

0 1 2 FRACTIONAL 2 1 0 DECIMAL

G 2 2 2 0 G G G G G H
LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORITE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	959'-0"	895'-0"	844'-0"	890'-0"		
2	874'-0"	874'-0"	844'-0"	877'-0"	794'-0"	874'-0"
3	844'-0"	853'-0"	874'-0"	719'-0"	718'-1"	844'-0"
4	733'-0"	718'-0"	841'-0"		738'-11 1/2"	733'-0"
5	792'-0"	749'-1"			752'-2 1/2"	733'-0"
6	714'-0"	778'-1"			778'-1"	741'-0"
7		818'-1"				794'-0"
12					777'-1"	771'-0"
14					808'-0"	792'-0"
19		798'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2141(MAIN STEAM)	E-105941
GBC-201-19 SH.1(REV.4)	
FCI-PSI-295'2(SHT.2)	
M-31-2	E-106181 SH.2
M-31-3	E-106181 SH.3
M-31-4	E-106181 SH.4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-19-H

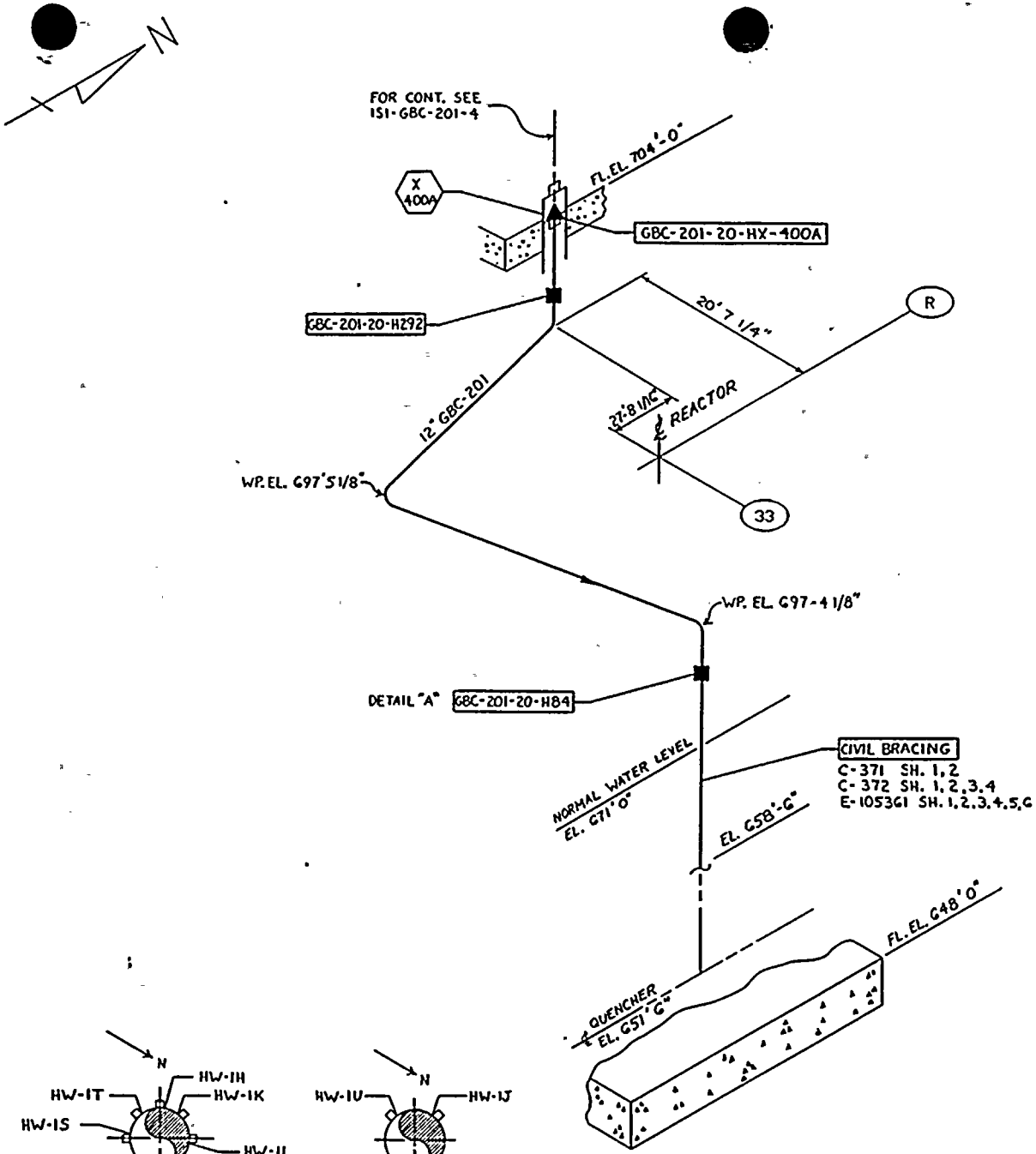
AREA 31 | ELEV.704'-0" | SCALE- NONE

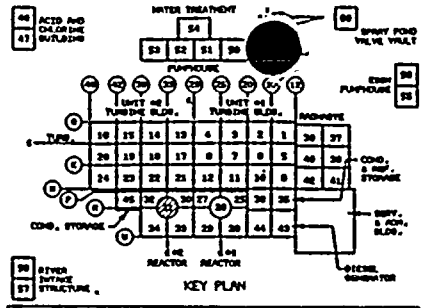
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201348 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-19-H

FRACTIONAL | DECIMAL | G2220 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-9"	695'-6"	694'-9"	694'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	718'-9"	718'-1"	699'-9"
4	723'-9"	718'-9"	681'-9"		728'-11 1/4"	714'-9"
5	743'-9"	749'-1"			732'-2 1/4"	728'-9"
6	714'-9"	779'-1"			779'-1"	743'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
15					808'-9"	793'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2141(MAIN STEAM)	E-105941
GBC-201-20 (REV. 4)	
M-31-1	E-106181 SH. 1
FCI-PS1-2815	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	CDT			5/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-GBC-201-20-H

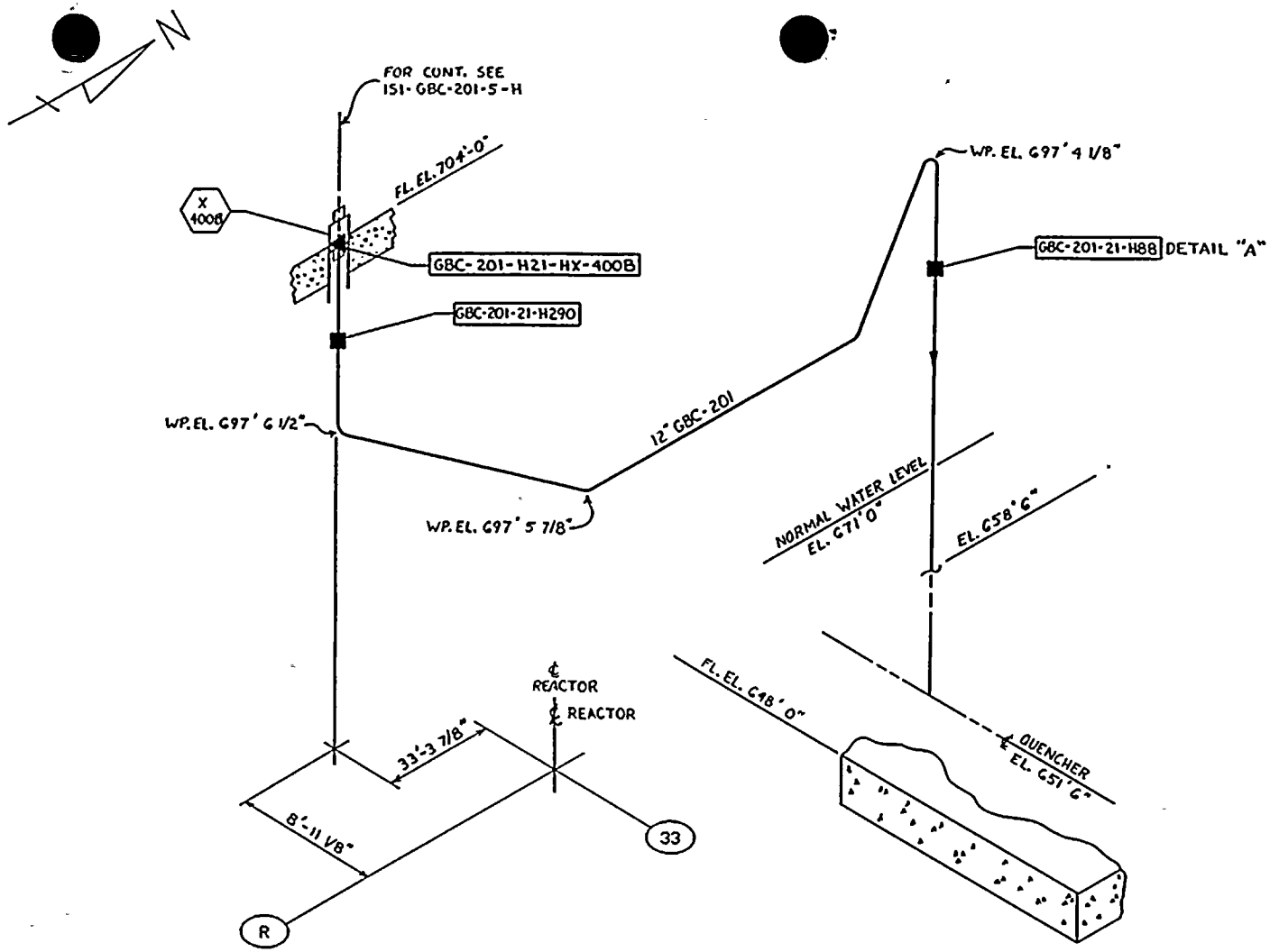
AREA 31 | ELEV. 704'-0" | SCALE- NONE

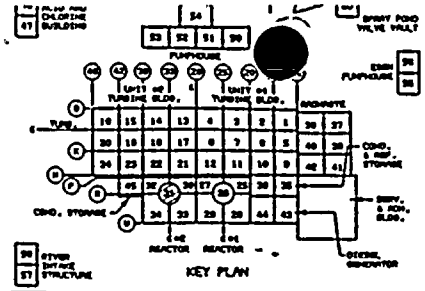
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201349 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-20-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS

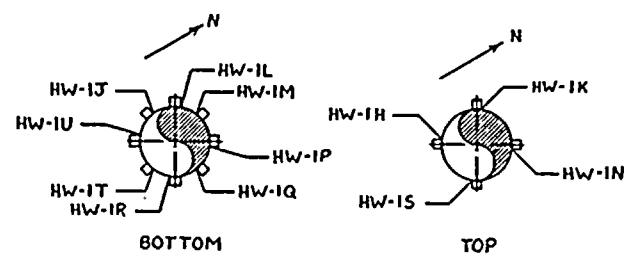




FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	554'-9"	555'-9"	555'-9"	555'-9"		
2	679'-9"	679'-9"	590'-9"	677'-9"	554'-9"	679'-9"
3	699'-9"	692'-9"	679'-9"	718'-9"	719'-1"	699'-9"
4	719'-9"	718'-9"	691'-9"		729'-11 1/4"	719'-9"
5	739'-9"	748'-1"			732'-2 1/2"	739'-9"
6	759'-9"	778'-1"			739'-1"	759'-9"
7		818'-1"				759'-9"
12					759'-1"	779'-9"
14					779'-9"	799'-9"
19		799'-1"				819'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR



DETAIL "A"
HANGER 88

M-2141(MAIN STEAM)	E-105941
GBC-201-21(REV. 2)	
M-31-1	E-106181 SH.1
FCI-P51-2807	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	CDM	GAS	M. Clark / Dillingham	11/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-21-H

AREA 31 | ELEV. 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

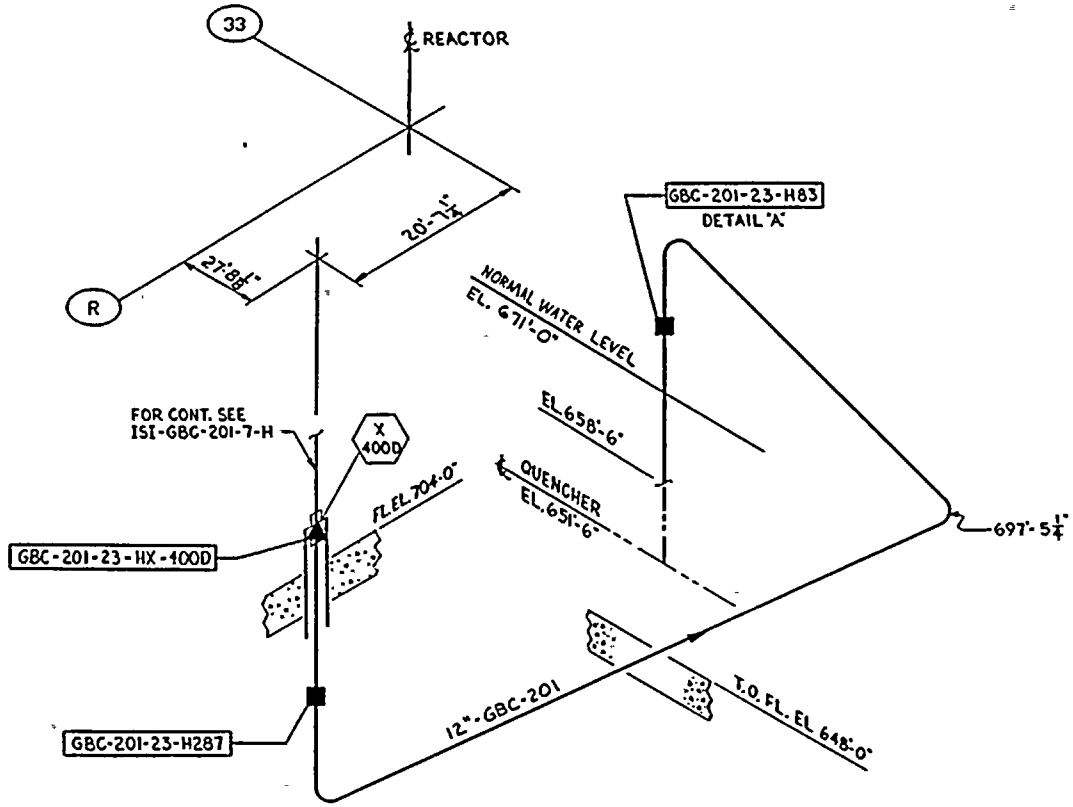
PP&L DRAWING NO. C-201350 | SHEET NO. 1 | REV. NO. 0

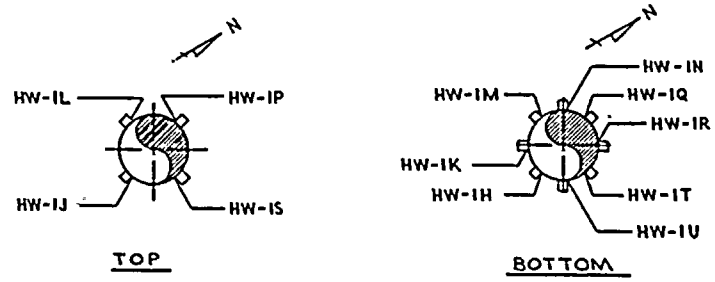
AE DRAWING NO. ISI-GBC-201-21-H

FRACTIONAL 1 2 | DECIMAL 2 1 0

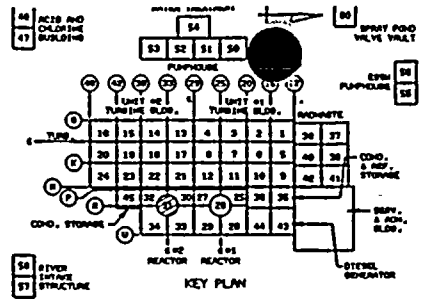
G 2 2 2 0 | G | G | G | G | M

LOCATION CODES | SORTS





DETAIL "A"
HANGER 83



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	938'-0"	845'-0"	844'-0"	844'-0"		
2	879'-0"	879'-0"	844'-0"	877'-0"	704'-0"	679'-0"
3	898'-0"	892'-0"	879'-0"	719'-0"	719'-1"	698'-0"
4	729'-0"	719'-0"	891'-0"		728'-11 1/4"	714'-0"
5	752'-0"	740'-1"			752'-11 1/4"	729'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	792'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2808	
GBC-201-23 (REV. 2)	
M-2161 (MAIN STEAM)	E-103941
M-31-1	E-106181 SH. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	RMK	EW	MK	M. Steck	4/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-23-H

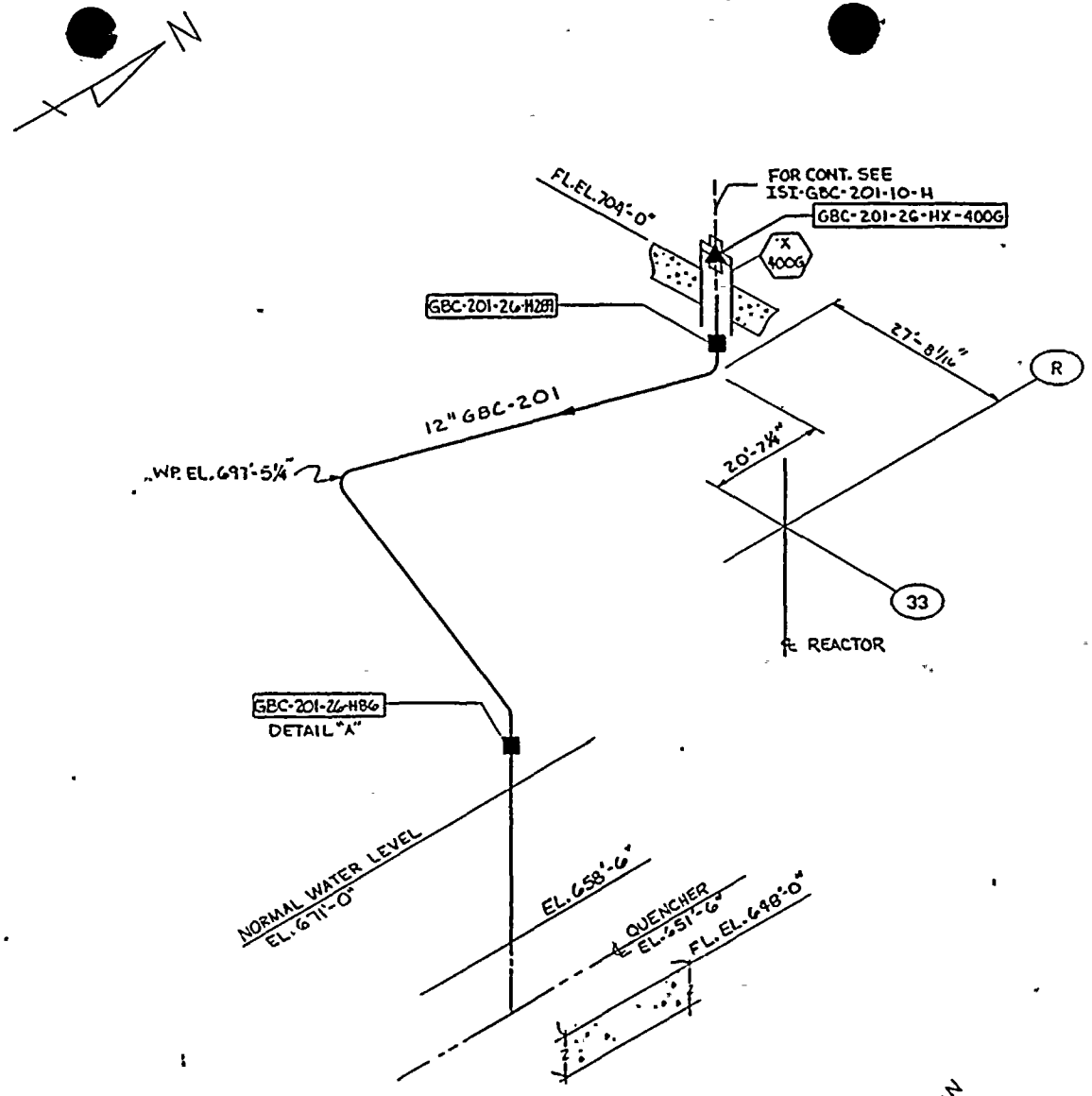
AREA 31 | ELEV. 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

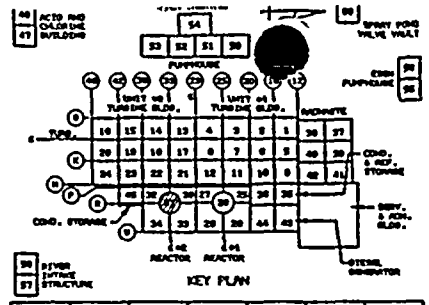
PP&L DRAWING NO. C-201352 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-23-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 | G | G | G | G | G | M | LOCATION CODES | SORTS



DETAIL "A"
HANGER 86



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
11					[illegible]	[illegible]
12		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2813	
GBC-201-26 (REV.2)	
M-2141 (MAIN STEAM)	E-105991
M-31-1	E-106181 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-26-H

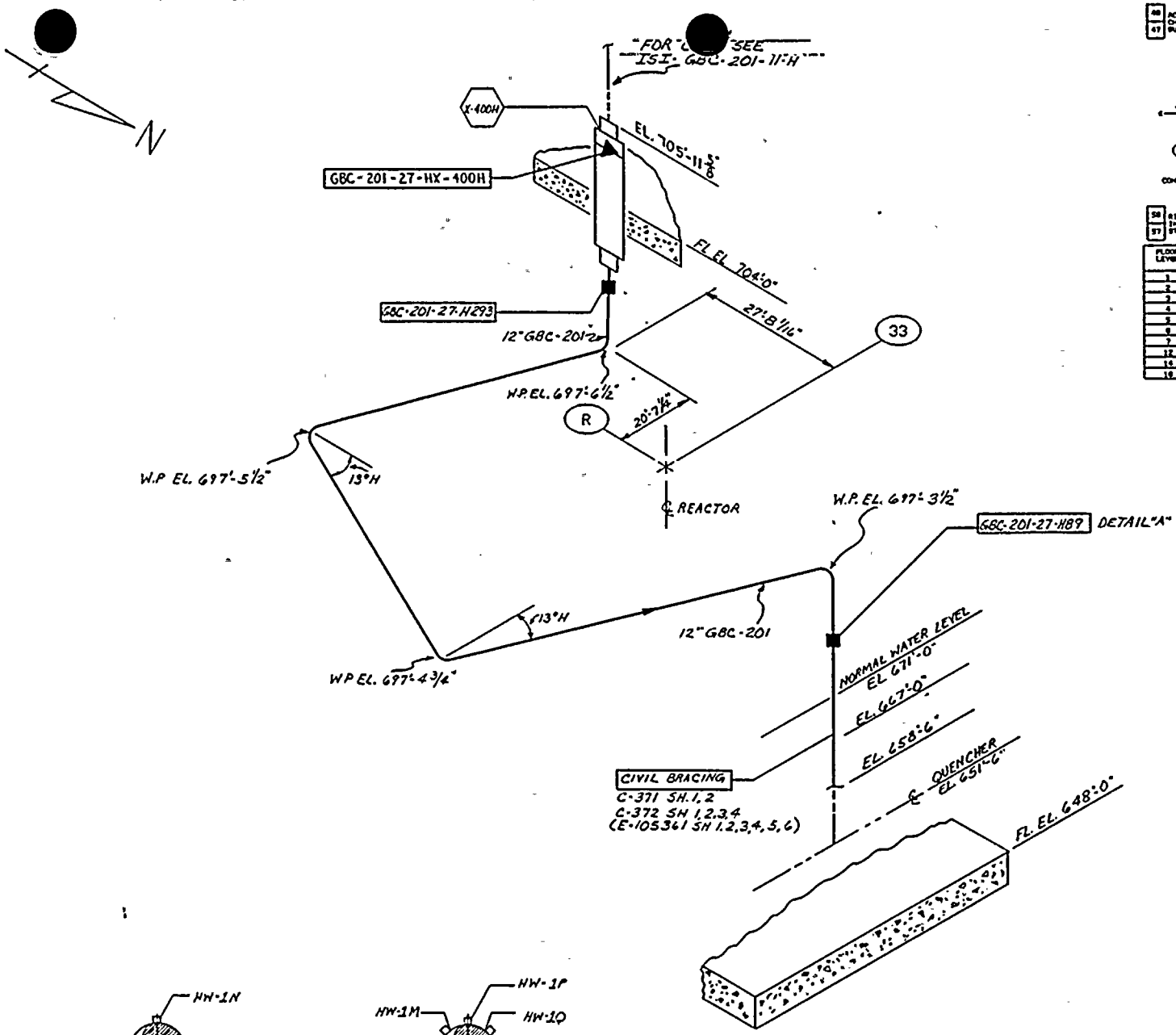
AREA 31 | ELEV. 704'-0 | SCALE- NONE

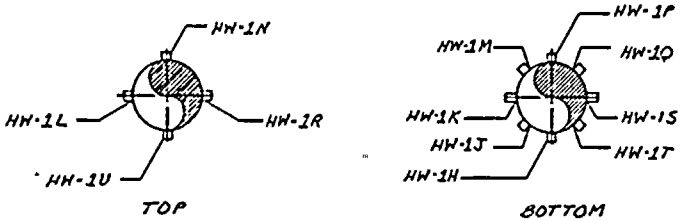
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201355 | SHEET NO. 1 | REV. NO. 0

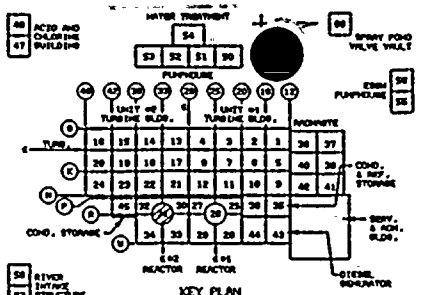
AE DRAWING NO. ISI-GBC-201-26-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | G | G | G | G | H | LOCATION CODES | SORTS





DETAIL "A"
HANGER 89



KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MACHINATE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	691'-9"	695'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	690'-9"	677'-6"	704'-9"	679'-9"
3	699'-9"	692'-9"	679'-9"	710'-9"	710'-1"	699'-9"
4	722'-9"	718'-9"	691'-9"		724'-11 1/4"	715'-9"
5	732'-9"	744'-1"			732'-2 1/4"	722'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					804'-9"	793'-9"
16		799'-1"				804'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBC-201-27 (REV. 2)	
FCI-P51-2816	
M-214 1 (NUC. BLR)	E-105741
M-31-1	E-106181 SH. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	S.			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-27-H

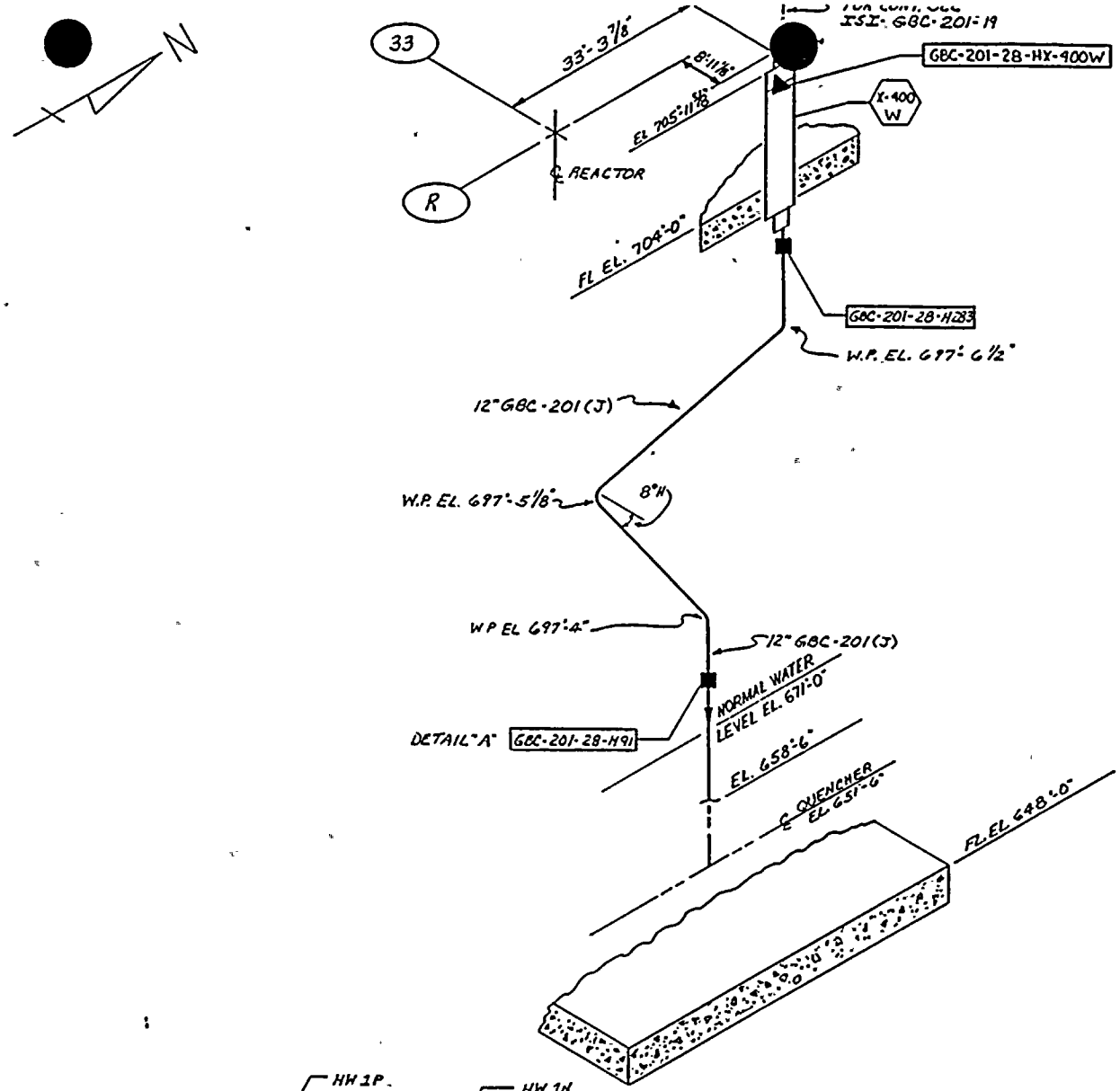
AREA 31 | ELEV. 704'-0" | SCALE- NONE

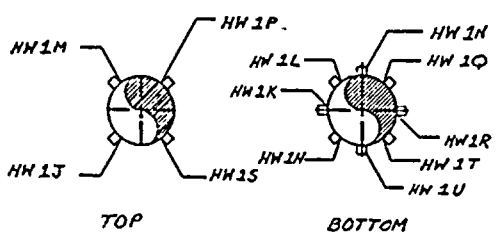
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201356 | SHEET NO. 1 | REV. NO. 0

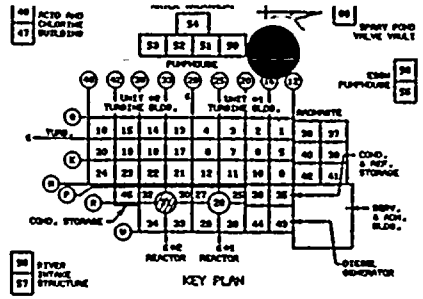
AE DRAWING NO. ISI-GBC-201-27-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





DETAIL "A"
HANGER 91



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	595'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	599'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	692'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	722'-9"	719'-9"	691'-9"		728'-11 1/4"	714'-9"
5	732'-9"	749'-1"			732'-2 1/4"	722'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBC-201-28(REV.2)	
FCI-P51-2802	
M-2141(NUC BLR)	E-105941
M-31-1	E-106181 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				3/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-28-H

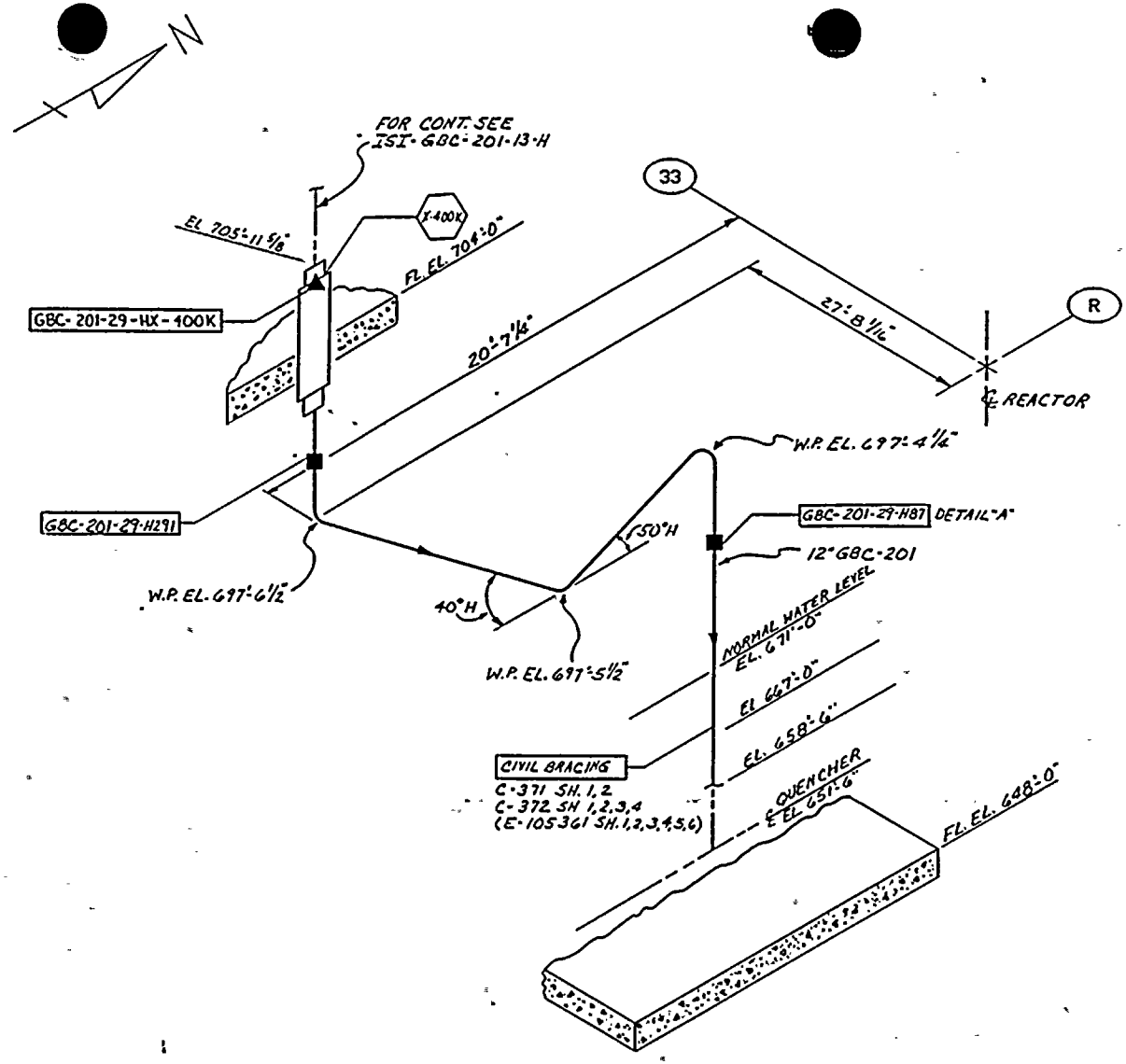
AREA 31 | ELEV. 704'-0" | SCALE- NONE

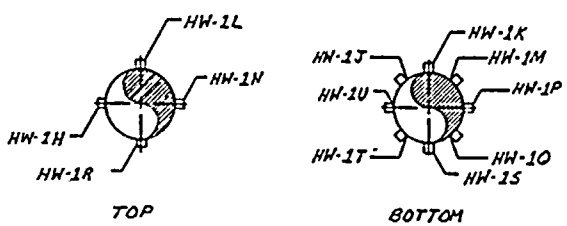
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201357 | SHEET NO. 1 | REV. NO. 0

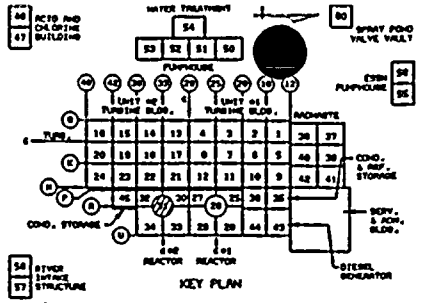
AE DRAWING NO. ISI-GBC-201-28-H

FRACTIONAL DECIMAL G 2 2 2 0 LOCATION CODES SORTS





DETAIL "A"
HANGER 87



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	CRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	595'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	729'-9"	719'-9"	691'-9"		729'-11 1/2"	719'-9"
5	751'-9"	749'-1"			752'-2 1/2"	729'-9"
6	759'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBC-201-29(REV.2)	
FCI-PSI-2814	
M-2141 (NUC. BLR)	E-105941
M-31-1	E-106181 SH. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-GBC-201-29-H

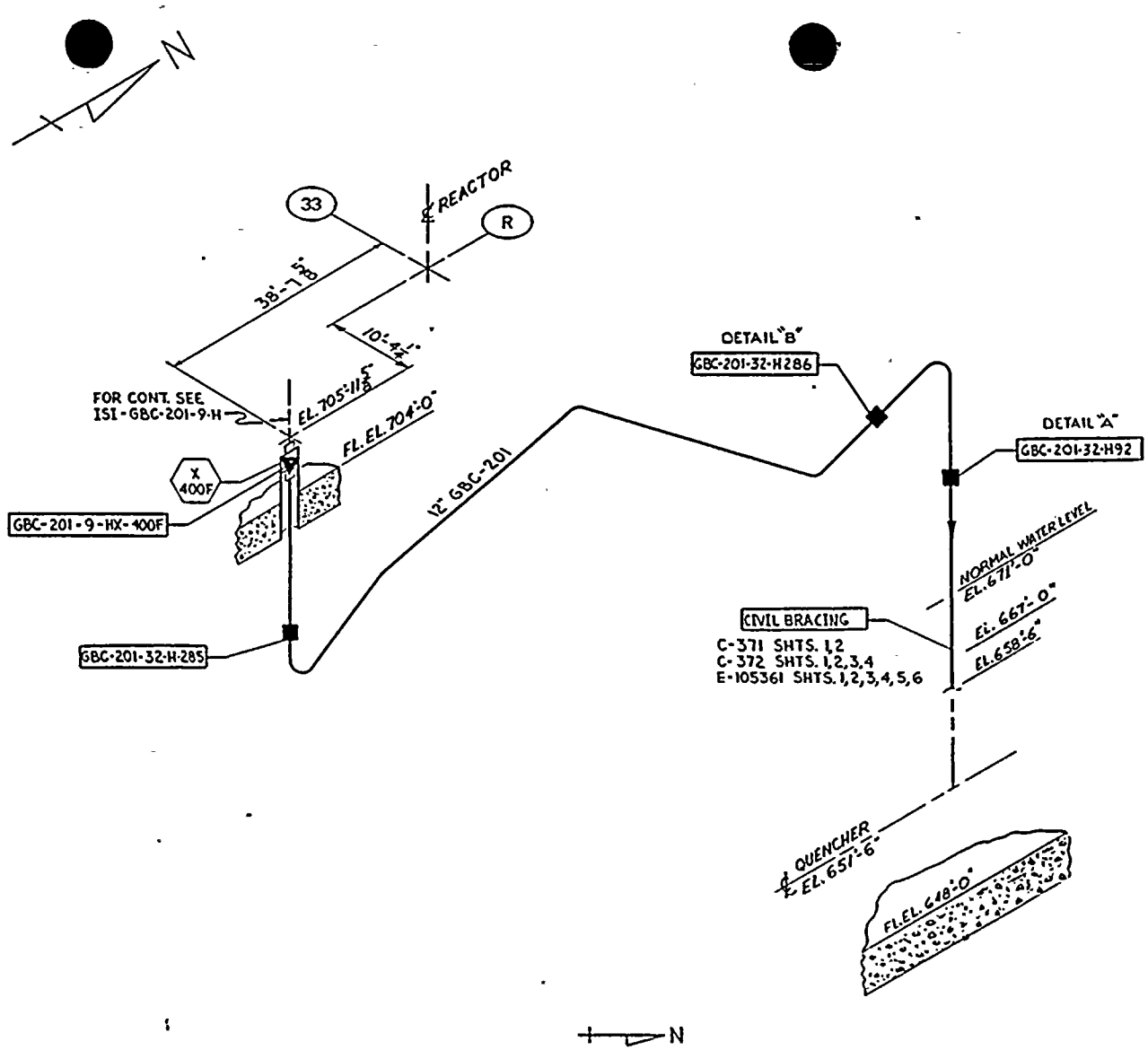
AREA 31 | ELEV. 704'-0" | SCALE- NONE

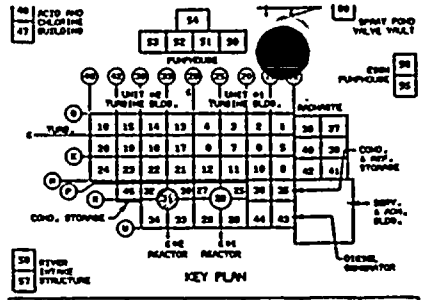
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201358 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-29-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 | LOCATION CODES | SORTS

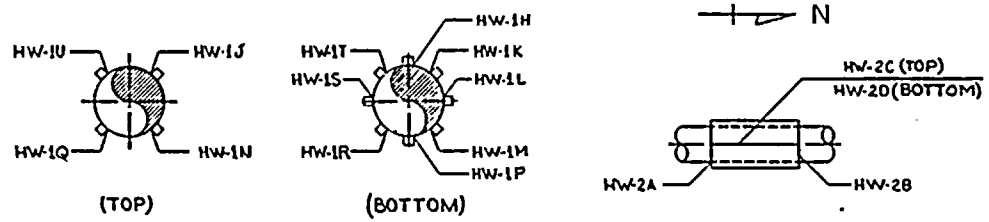




FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	914'-9"	914'-9"	914'-9"	914'-9"		
2	879'-9"	879'-9"	899'-9"	877'-9"	794'-9"	879'-9"
3	844'-9"	843'-9"	879'-9"	718'-9"	718'-1"	844'-9"
4	721'-9"	719'-9"	844'-9"		729'-11 1/2"	721'-9"
5	752'-9"	749'-1"			752'-2 1/2"	721'-9"
6	716'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR



DETAIL "A"
HANGER 92

DETAIL "B"
HANGER 286

GBC-201-32 (REV. 2)	
FCI-P51-2812	
M-2141 NCLR. BLR.	E-105941
M-314	E-106181 SH. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	CB			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-32-H

AREA 31 | ELEV. 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

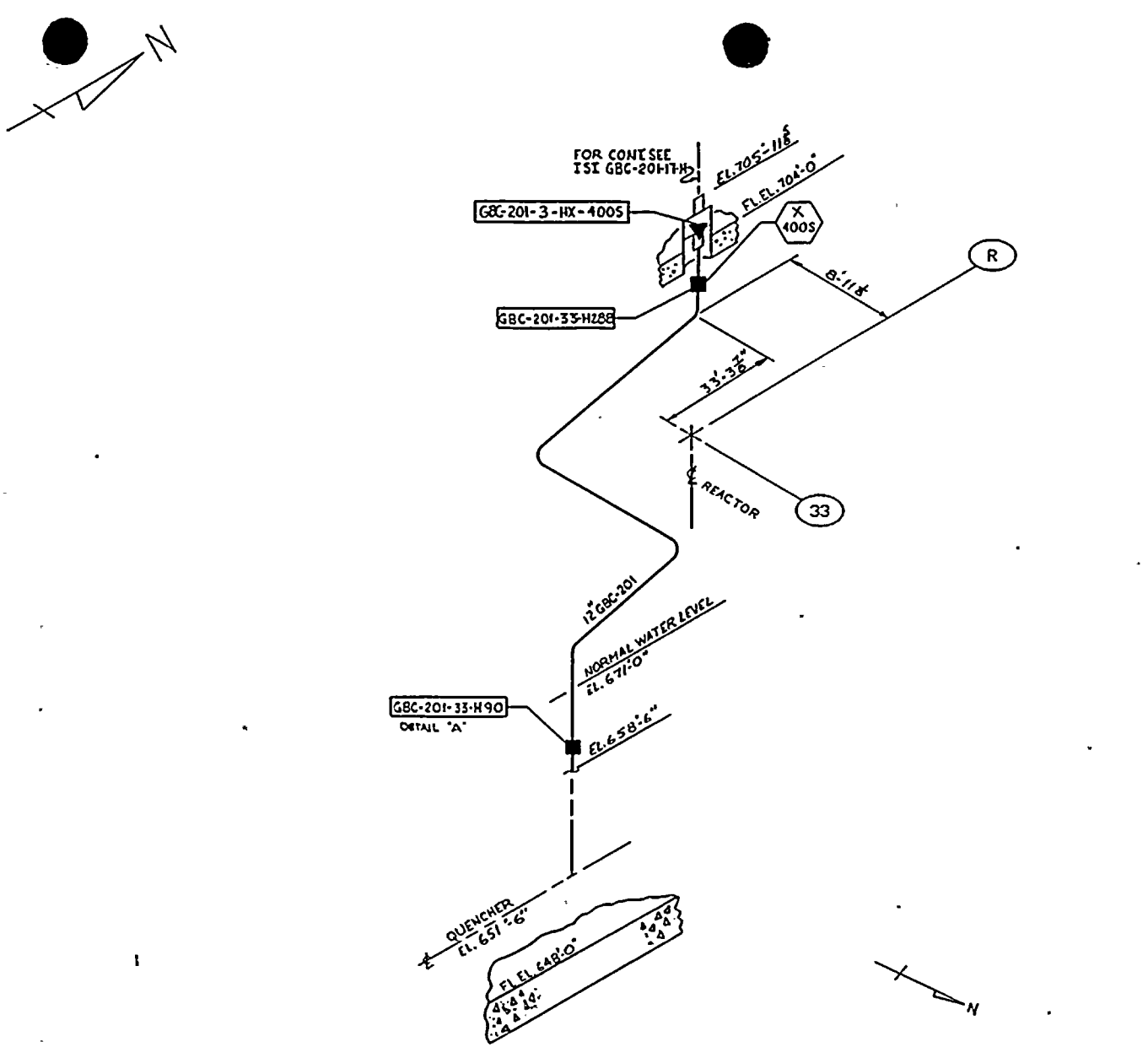
PP&L DRAWING NO. C-201361 | SHEET NO. 1 | REV. NO. 0

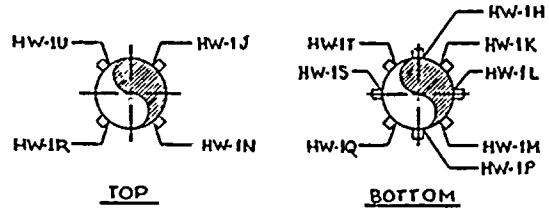
AE DRAWING NO. ISI-GBC-201-32-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

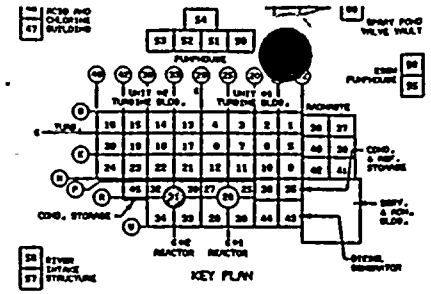
G 2 2 2 0 | G | G | G | G | M

LOCATION CODES | SORTS





DETAIL "A"
HANGER 90



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
16					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

GBC-201-33-(REV.2)	
FCI-PSI-2810	
M-2141 NCLR. BLR	E-105941
M-31-1	E-106181 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	JB	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-33-H

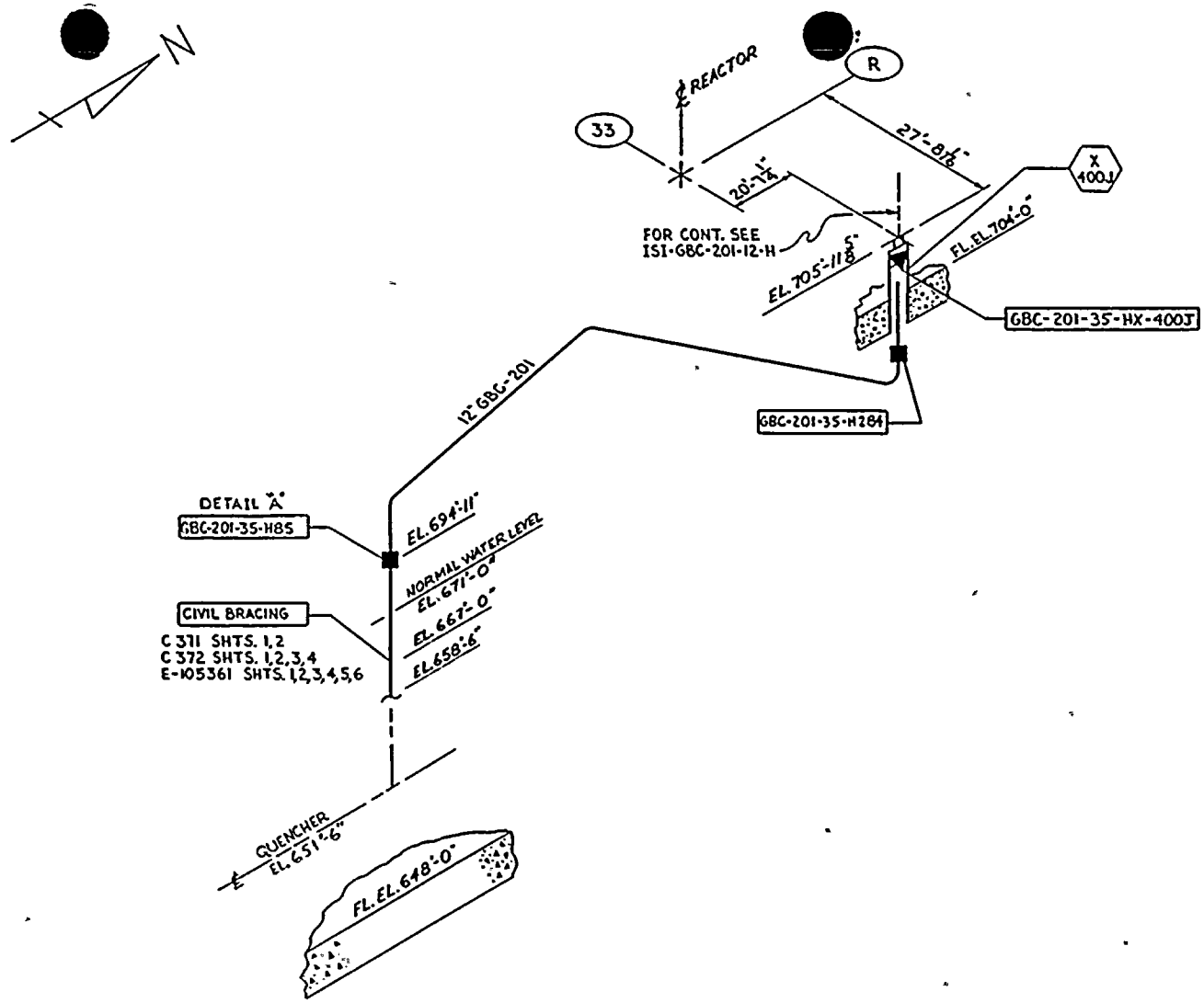
AREA 31 | ELEV. 704'-0" | SCALE- NONE

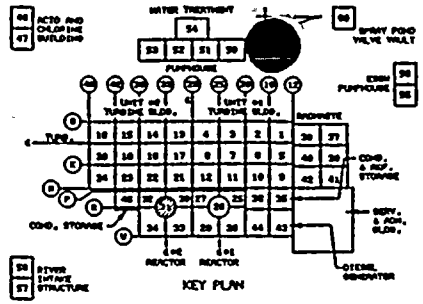
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201362 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-201-33-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 | G | G | G | G | G | M | LOCATION CODES | SORTS

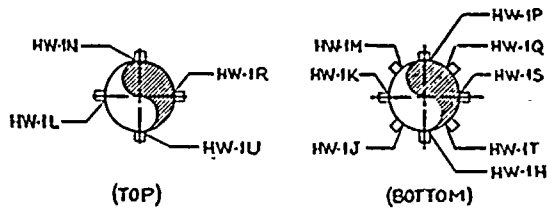




FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	ENTRWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-3"	699'-3"	699'-3"	699'-3"		
2	679'-3"	679'-3"	699'-3"	677'-3"	704'-3"	679'-3"
3	699'-3"	697'-3"	679'-3"	719'-3"	717'-1"	699'-3"
4	729'-3"	713'-3"	691'-3"		729'-11 1/2"	714'-3"
5	752'-3"	749'-1"			752'-2 1/2"	732'-3"
6	714'-3"	779'-1"			779'-1"	741'-3"
7		812'-1"				754'-3"
12					791'-1"	771'-3"
14					809'-3"	793'-3"
15		799'-1"				809'-3"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR



DETAIL "A"
HANGER 85

GBC-201-35 (REV. 2)	
FCI-PSI 2801	
M-2141 NCLR. BLR.	E-105941
M-31-1	E-106181 SH. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	CB	KM	RS	11/5/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-201-35-H

AREA 31 | ELEV. 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

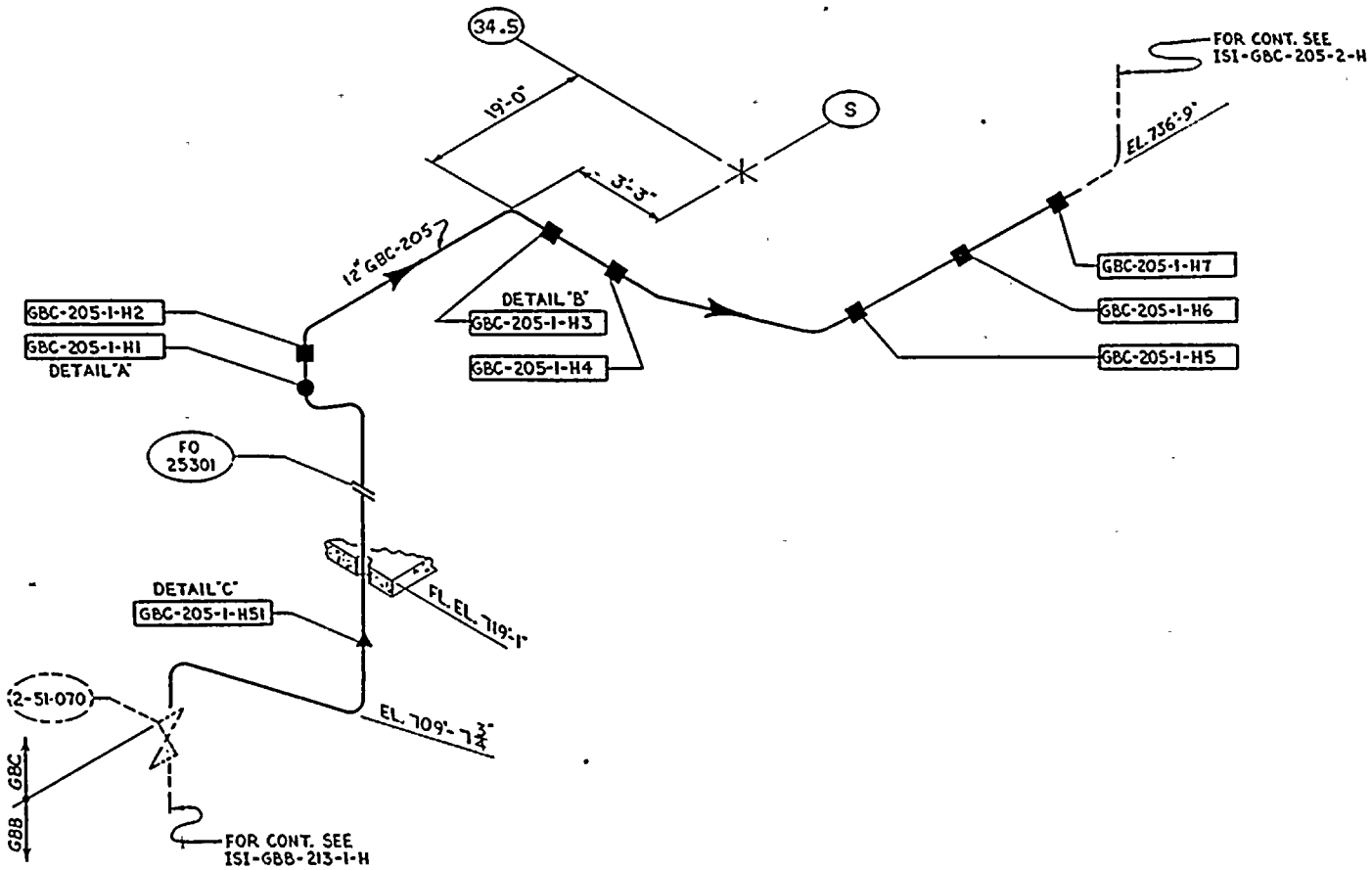
PP&L DRAWING NO. C-201364 | SHEET NO. 1 | REV. NO. 0

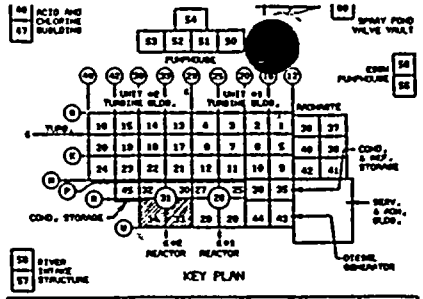
AE DRAWING NO. ISI-GBC-201-35-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 2 2 0 | G | G | G | G | M

LOCATION CODES | SORTS

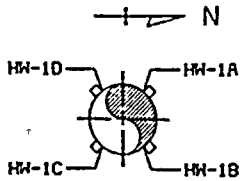




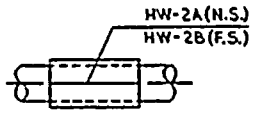
FLOOR ELEVAL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORITE BLDG. EL.	STEAM GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-9"	695'-9"	699'-9"	690'-9"		
2	676'-9"	679'-9"	690'-9"	677'-9"	704'-9"	676'-9"
3	688'-9"	683'-9"	679'-9"	718'-9"	719'-1"	688'-9"
4	723'-9"	718'-9"	691'-9"		728'-11 1/4"	714'-9"
5	752'-9"	746'-1"			752'-11 1/4"	728'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

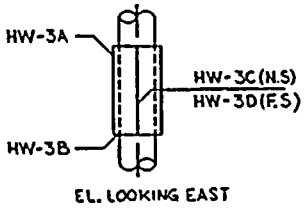
- SPRING
- SNUBBER
- RIGID
- ANCHOR



DETAIL "A"
HANGER 1



DETAIL "B"
HANGER 3



DETAIL "C"
HANGER 51

GBC-205-1 (REV.4)	
FCI-PSI-2913	
M-2151 (RHR)	E-105951-1
M-2153 (FPC)	E-105953
M-33-4	E-106183 SHT. 4
M-34-3	E-106184 SHT. 3
M-34-4	E-106184 SHT. 4
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	GB			1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-205-1-H

AREA 33&34 | ELEV. 683'-0 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

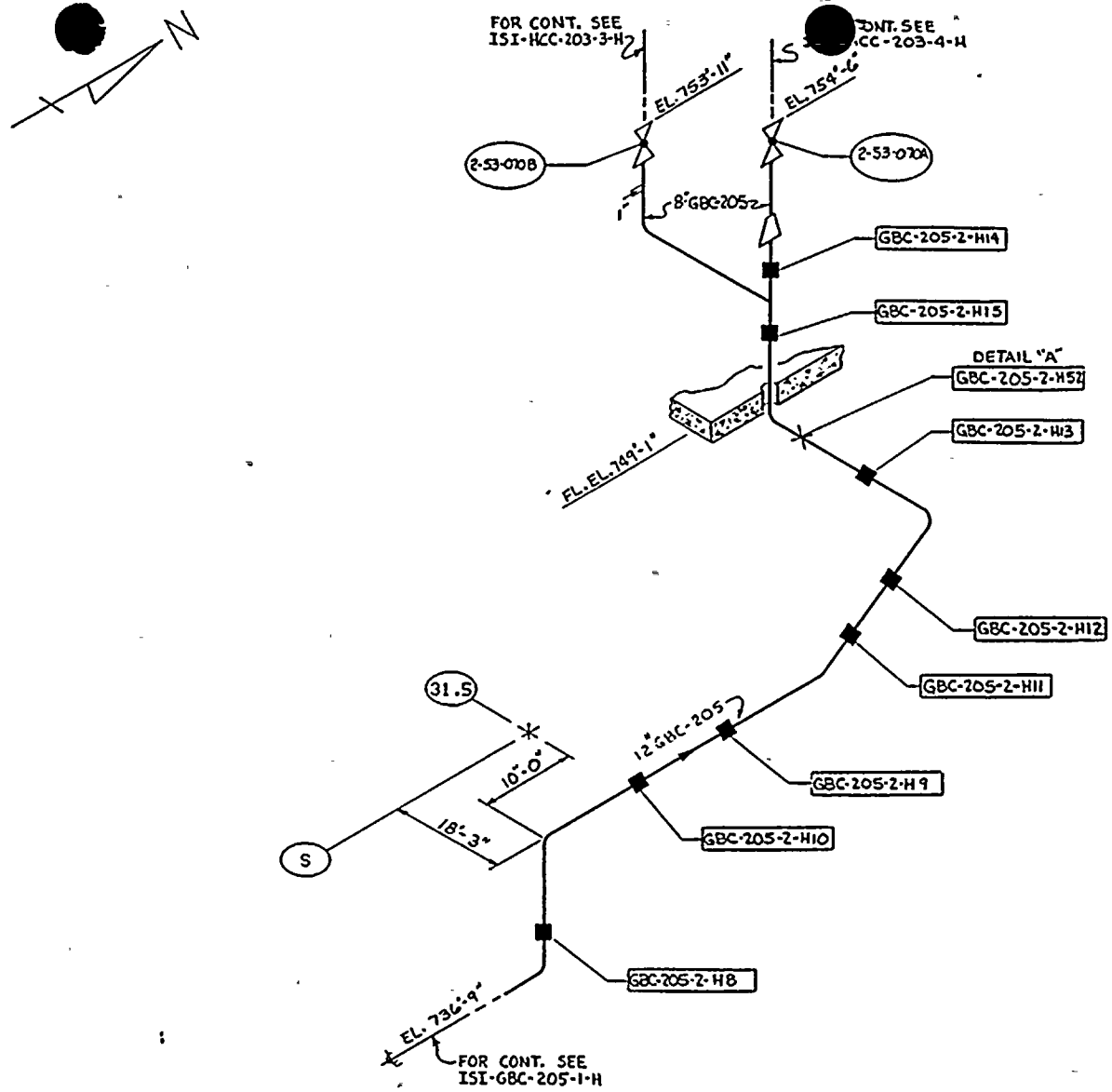
PP&L DRAWING NO. C-201365 | SHEET NO. 1 | REV. NO. 0

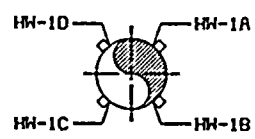
AE DRAWING NO. ISI-GBC-205-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

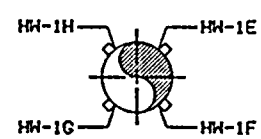
G 2 Z 2 0 | G | G | G | G | G | H

LOCATION CODES | SORTS



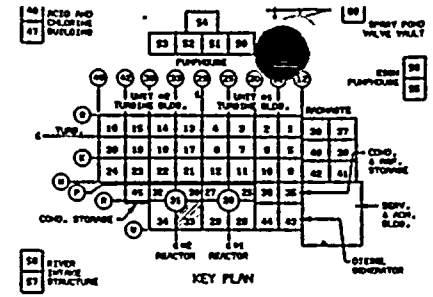


ELEV. VIEW
WEST SIDE LOOKING EAST



ELEV. VIEW
EAST SIDE LOOKING WEST

DETAIL "A"
HANGER 52



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2151, SH. 1 (RHR)	E-105951 SH. 1
GBC-205-2 (REV. 2)	
FCI-P51-2915	
M-2153 (FPC)	E-105953
M-33-4	E-106183 SHT. 4
M-33-5	E-106183 SHT. 5
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	GB	[illegible]	[illegible]	[illegible]	1/8

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-GBC-205-2-H

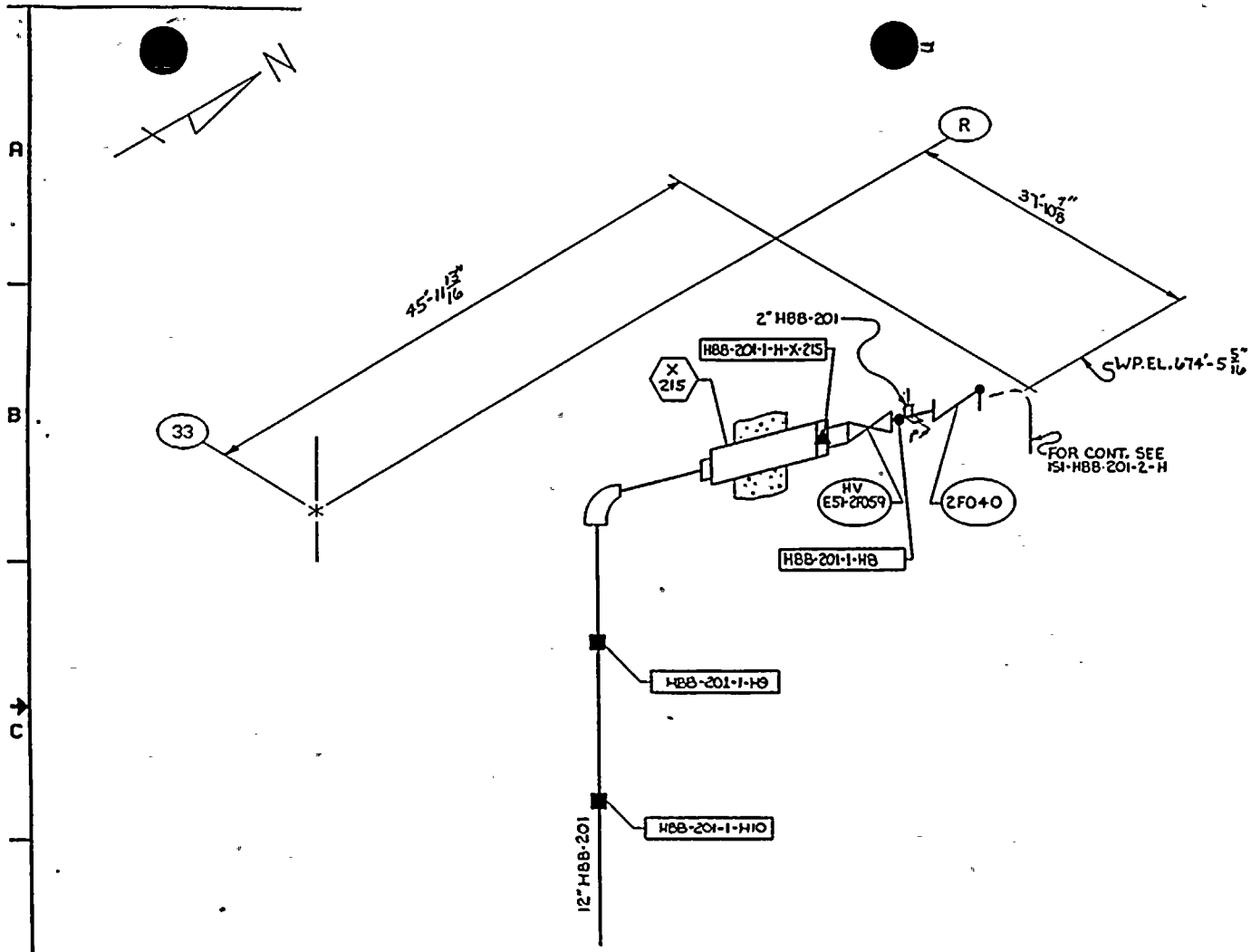
AREA 33 | ELEV. 719'-0" | SCALE- NONE

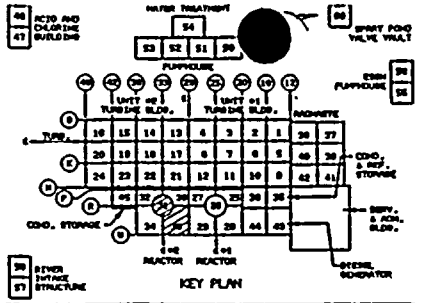
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201366 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-GBC-205-2-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 G | G G G G | LOCATION CODES | M | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-0"	698'-0"	698'-0"	698'-0"		
2	676'-0"	676'-0"	698'-0"	677'-0"	704'-0"	676'-0"
3	698'-0"	697'-0"	676'-0"	719'-0"	713'-1"	698'-0"
4	721'-0"	718'-0"	691'-0"		728'-11 1/2"	714'-0"
5	735'-0"	748'-1"			732'-7 1/2"	721'-0"
6	713'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					793'-1"	771'-0"
14					808'-0"	793'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2853	
M-2149 (RCIC)	E 105949
M-33-2	E 106183 SHT. 3
HBB-201-1 (REV. 3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	MAF			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-201-1-H

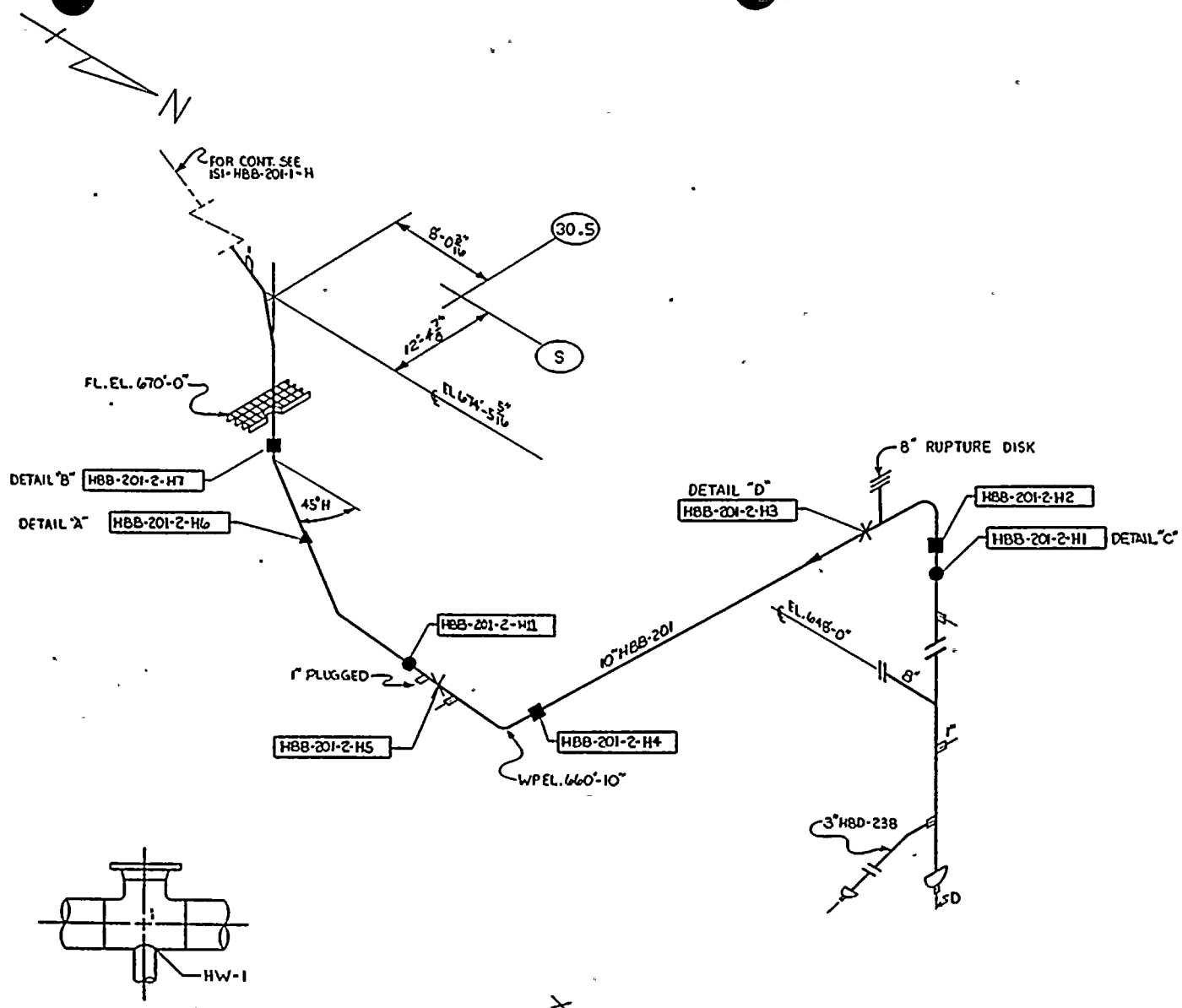
AREA 33 | ELEV. 670'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

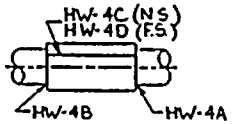
PP&L DRAWING NO. C-201367 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-201-1-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS

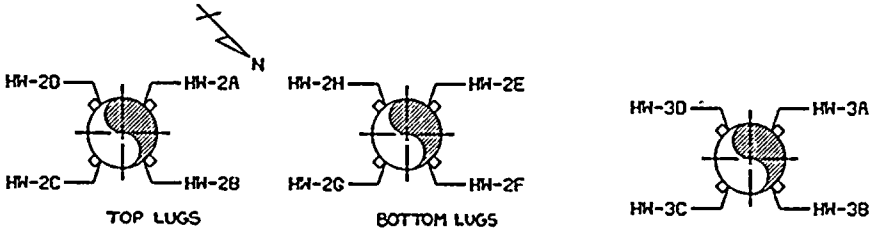


DETAIL "D"
HANGER 3



ELEV. VIEW
LOOKING SOUTHEAST

DETAIL "A"
HANGER 6

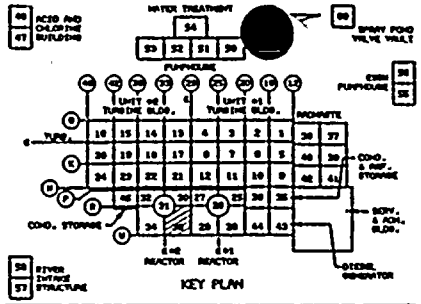


TOP LUGS

BOTTOM LUGS

DETAIL "B"
HANGER 7

DETAIL "C"
HANGER 1



KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ENGINEERED BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-9"	695'-9"	694'-9"	699'-9"		
2	679'-9"	670'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	691'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	721'-9"	719'-9"	691'-9"		728'-11 1/8"	714'-9"
5	733'-9"	749'-1"			733'-2 1/2"	733'-9"
6	743'-9"	770'-1"			770'-1"	751'-9"
7		819'-1"				754'-9"
12					781'-1"	771'-9"
14					809'-9"	793'-9"
19		789'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2853	
M-2150 (RCIC)	E 105950
M-33-1	E 106183 SHT. 1
M-33-2	E 106183 SHT. 2
M-33-13	E 106183 SHT. 13
HBB-201-2 (REV 4)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	H. R. F.	E. M. J.	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-201-2-H

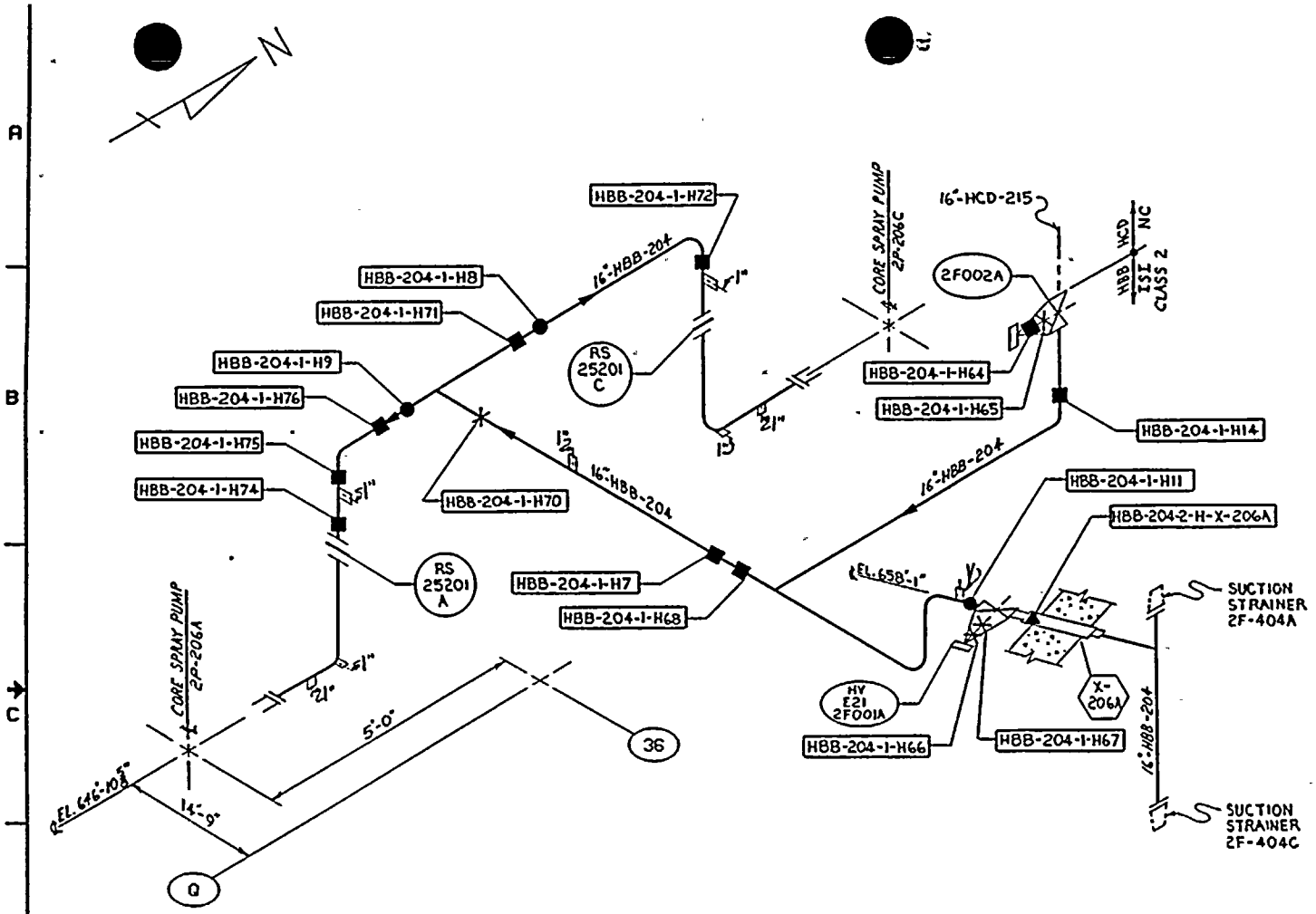
AREA 33 | ELEV. 645'0" | SCALE- NONE

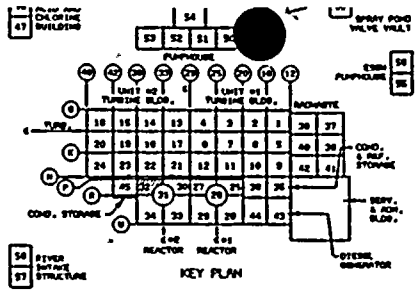
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201368 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-201-2-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	595'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	729'-9"	719'-9"	691'-9"		739'-11 1/2"	719'-9"
5	752'-9"	749'-1"			752'-2 1/2"	729'-9"
6	719'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2152 (CORE SPRAY)	E-105952
M-32-1	E-106182 SH.1
FCI-P51-2856	
FCI-P51-2879	
HBB-204-1 (REV.6)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	UM	[illegible]	[illegible]	3/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-204-1-H

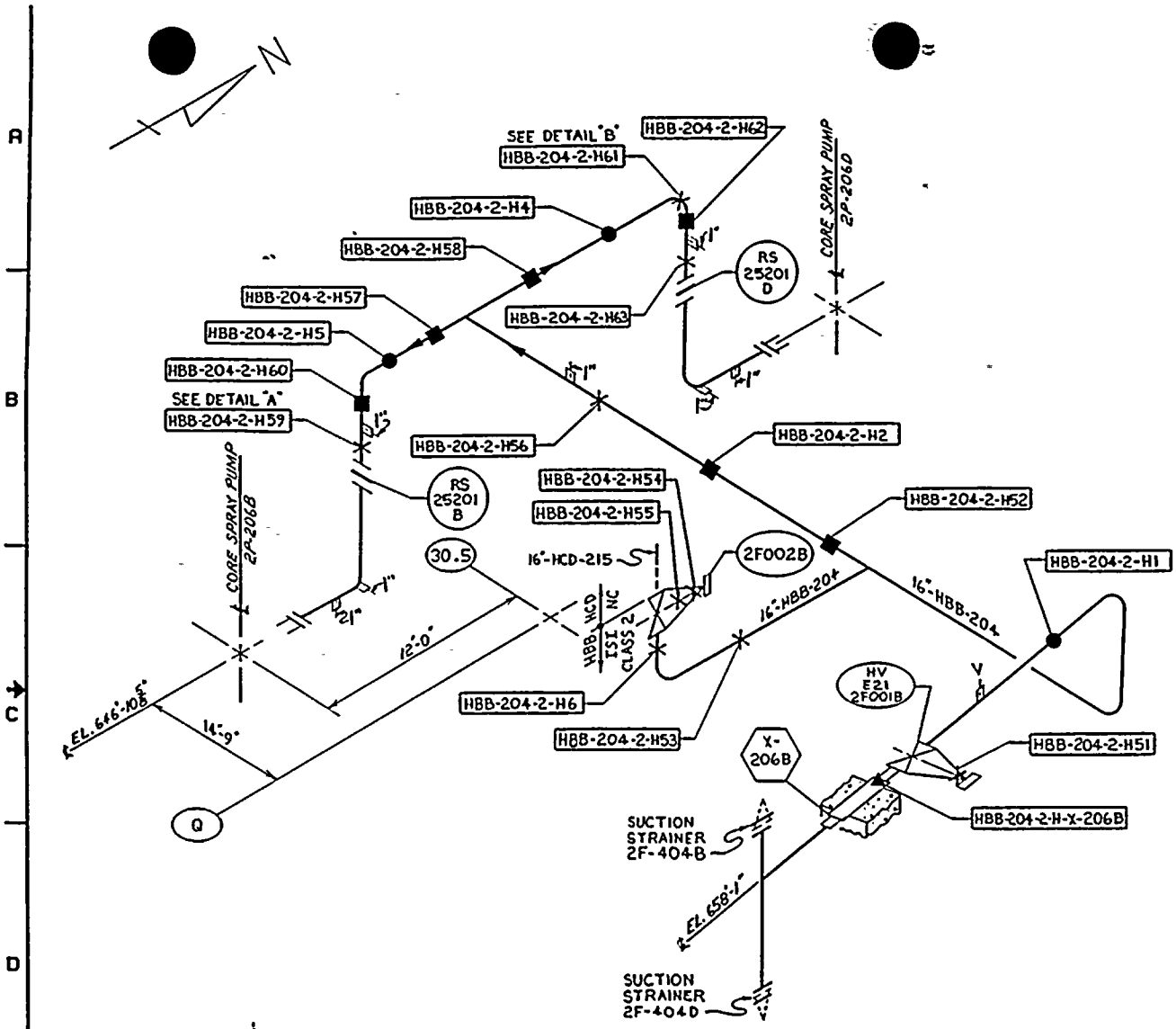
AREA 32 | ELEV. 645'-0" | SCALE- NONE

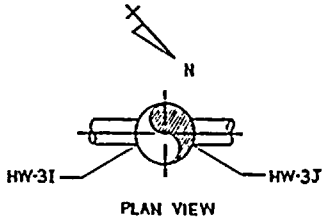
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201369 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-204-1-H

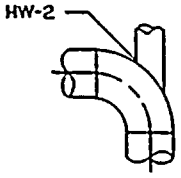
FRACTIONAL DECIMAL LOCATION CODES SORTS



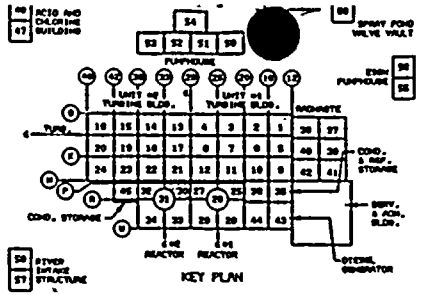


PLAN VIEW

DETAIL "A"
HANGER 59



DETAIL "B"
HANGER 61



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	595'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	692'-9"	679'-9"	719'-9"	715'-1"	699'-9"
4	729'-9"	719'-9"	691'-9"		729'-11 1/4"	719'-9"
5	752'-9"	749'-1"			752'-2 1/4"	729'-9"
6	719'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	799'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2152 (CORE SPRAY)	E-105952
M-30-1	E-106180 SH.1
FCI-P51-2878	
HBB-204-2 (REV.6)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	JM			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-204-2-H

AREA 30 | ELEV. 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

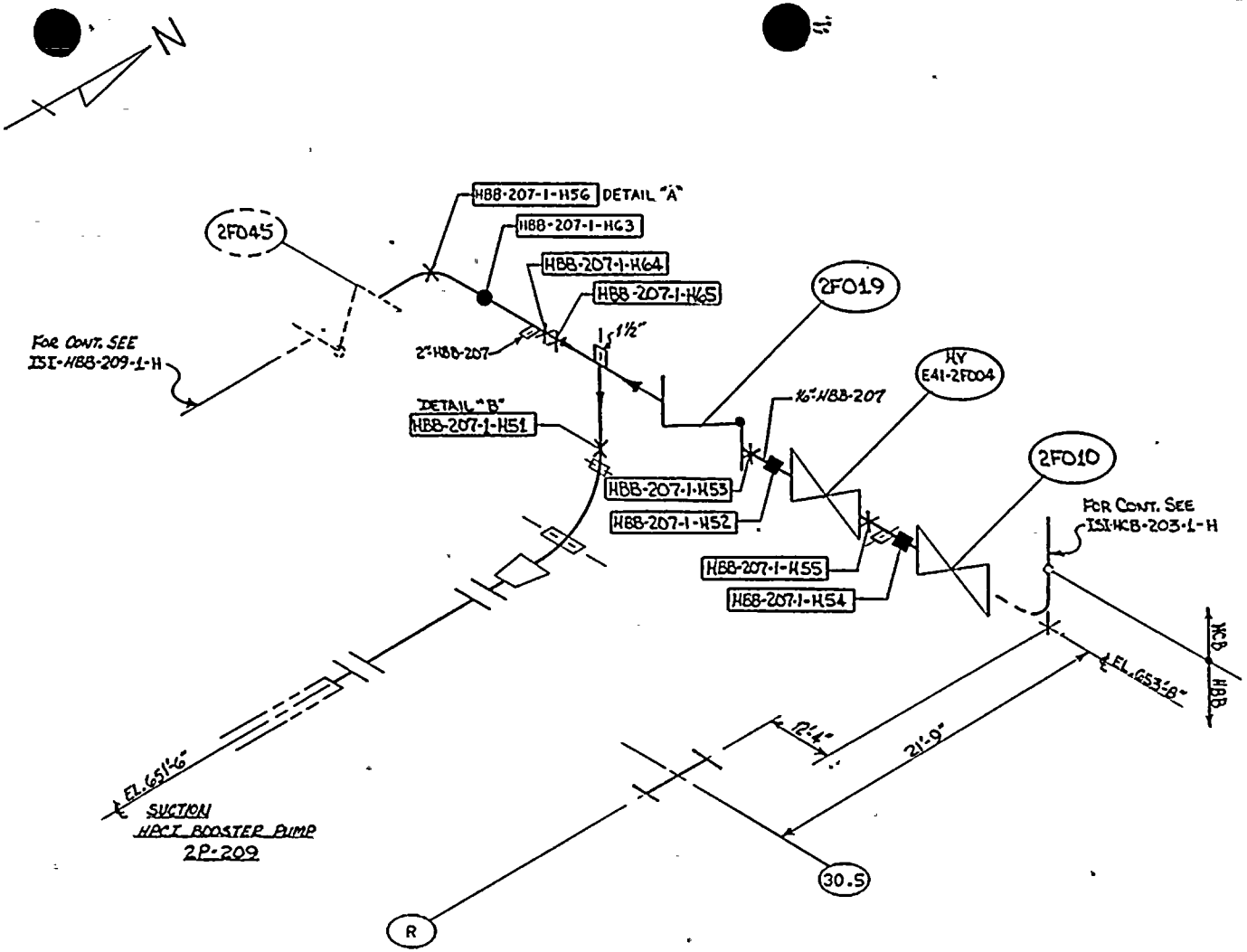
PP&L DRAWING NO. C-201370 | SHEET NO. 1 | REV. NO. 0

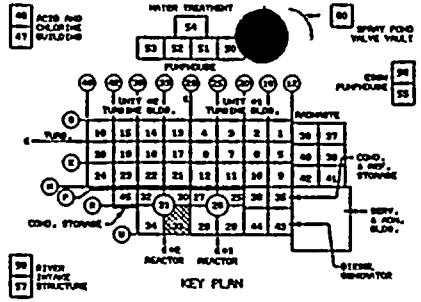
AE DRAWING NO. ISI-HBB-204-2-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 Z 2 0 | G | G | G | G | G | H

LOCATION CODES | SORTS

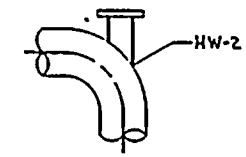




FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	729'-9"	695'-9"	695'-9"	698'-9"		
2	676'-9"	679'-9"	690'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	692'-9"	676'-9"	719'-9"	718'-1"	699'-9"
4	729'-9"	715'-9"	691'-9"		739'-11½"	715'-9"
5	741'-9"	748'-1"			752'-1½"	729'-9"
6	715'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					808'-9"	793'-9"
18		799'-1"				808'-9"

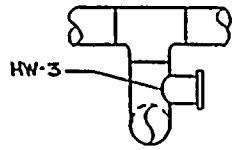
HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR



PLAN VIEW

DETAIL "A"
HANGER 5G



ELEV. LKG. NORTH

DETAIL "B"
HANGER 51

HBB-207-1 (REV.-2)	
FCI-P51-2837	
M-2155 HPCI.	E-105955
M-2156 HPCI BOOSTER PUMP	E-105956
M-33-1	E-106183 SHT.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RC	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-207-1-H

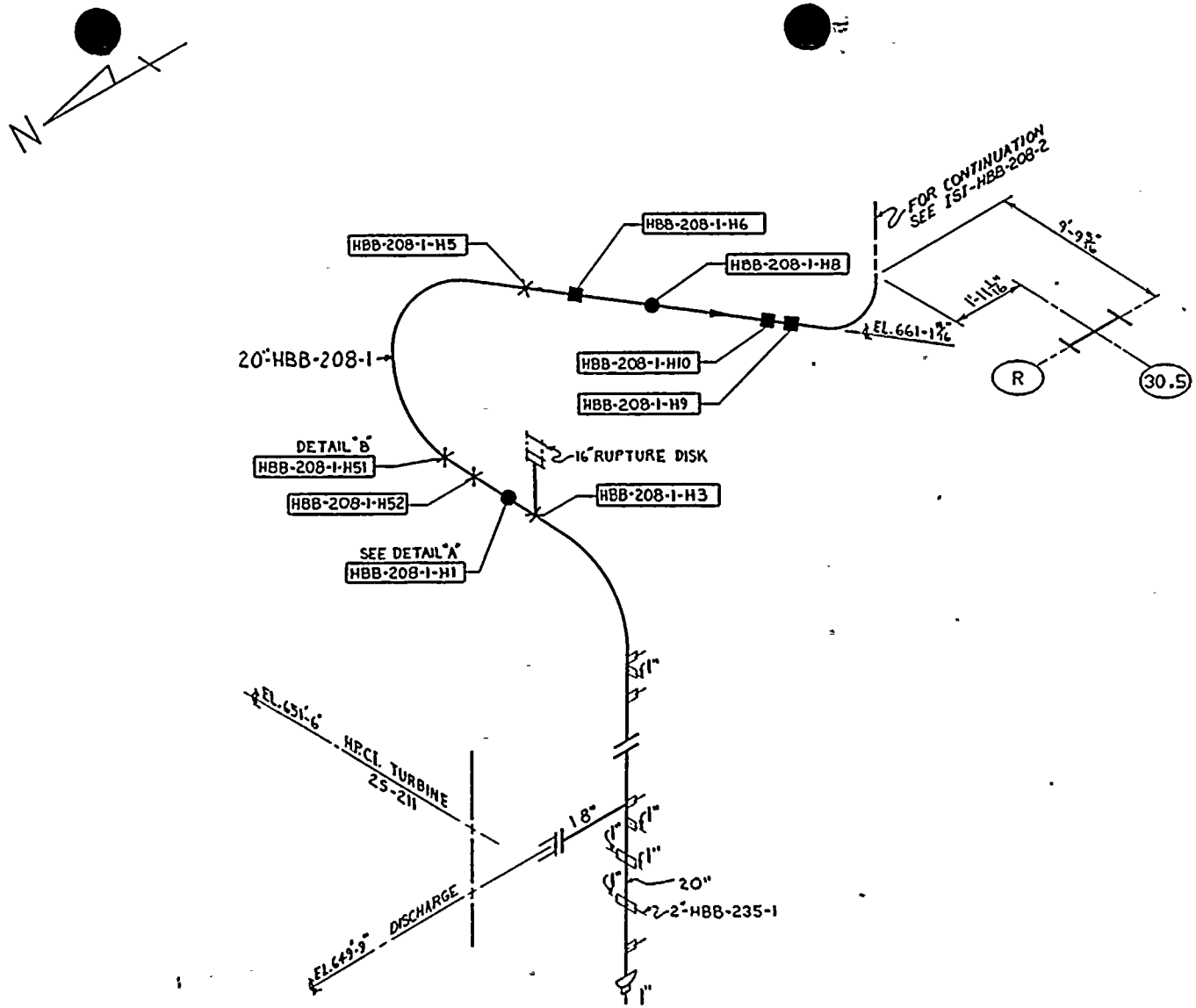
AREA-33 | ELEV=645'-0" | SCALE- NONE

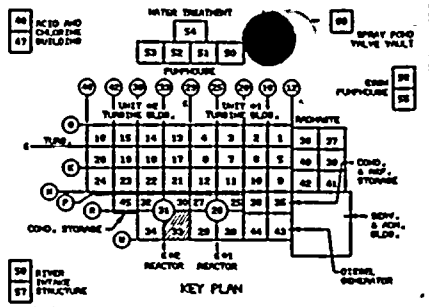
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201371 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-207-1-H

0 1 2 FRACTIONAL 2 1 0 DECIMAL G 2 Z 2 0 G G G G G G G G LOCATION CODES M SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	595'-9"	595'-9"	599'-9"		
2	679'-9"	679'-9"	690'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	719'-9"	718'-9"	693'-9"		728'-11 1/16"	719'-9"
5	732'-9"	749'-1"			732'-2 1/16"	732'-9"
6	749'-9"	779'-1"			779'-1"	749'-9"
7		810'-1"				754'-9"
12					781'-1"	771'-9"
14					805'-9"	792'-9"
18		798'-1"				805'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2155 (H.P.C.I.)	E-105955
M-2156 (HPCI TURB+P.)	E-105956
M-33-1	E-106183 SH.1
FC1-P51-2852	
HBB-208-1 SH.1 (REV.4)	
HBB-208-1 SH.2 (REV.0)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-208-1-H

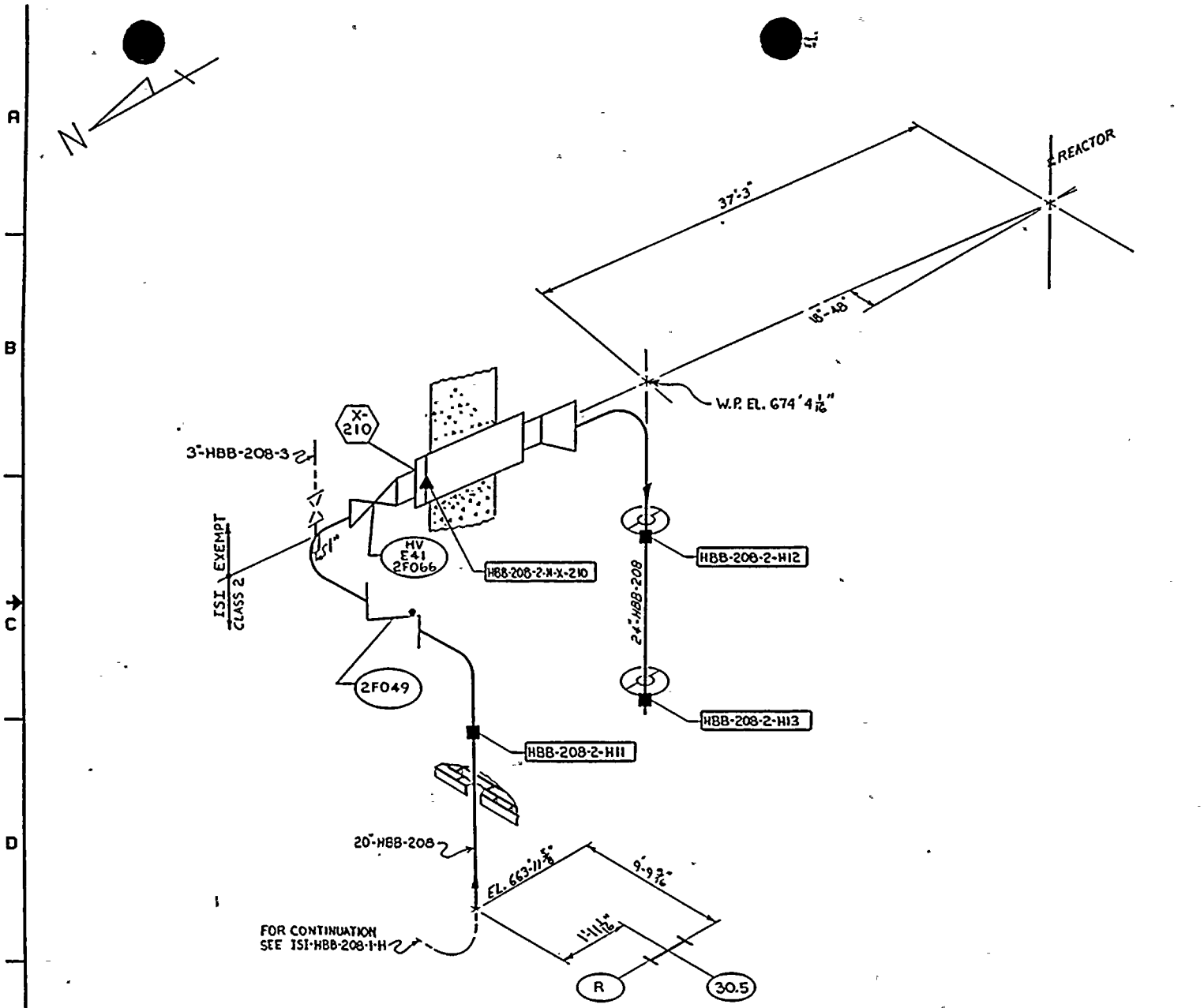
AREA 33 | ELEV. 645'-0" | SCALE- NONE

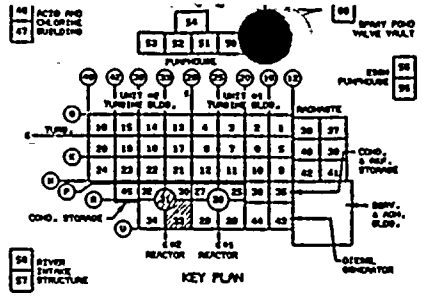
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201372 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-208-1-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MACHINSTE BLDG. EL.	DIESEL GENERATOR EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	676'-0"	645'-0"	645'-0"	645'-0"		
2	679'-0"	679'-0"	679'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	692'-0"	679'-0"	718'-0"	719'-1"	699'-0"
4	723'-0"	718'-0"	691'-0"		729'-11 1/16"	714'-0"
5	732'-0"	749'-1"			732'-2 1/16"	732'-0"
6	741'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	792'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2155 (HPCI)	E-105955
M-2156 (HPCI TURB. EMP.)	E-105956
M-33-1	E-106183 SH.1
M-33-2	E-106183 SH.2
FCI-P51-2852	
HBB-208-2 (REV. 7)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	LAM	[illegible]	[illegible]	[illegible]	5/16/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-208-2-H

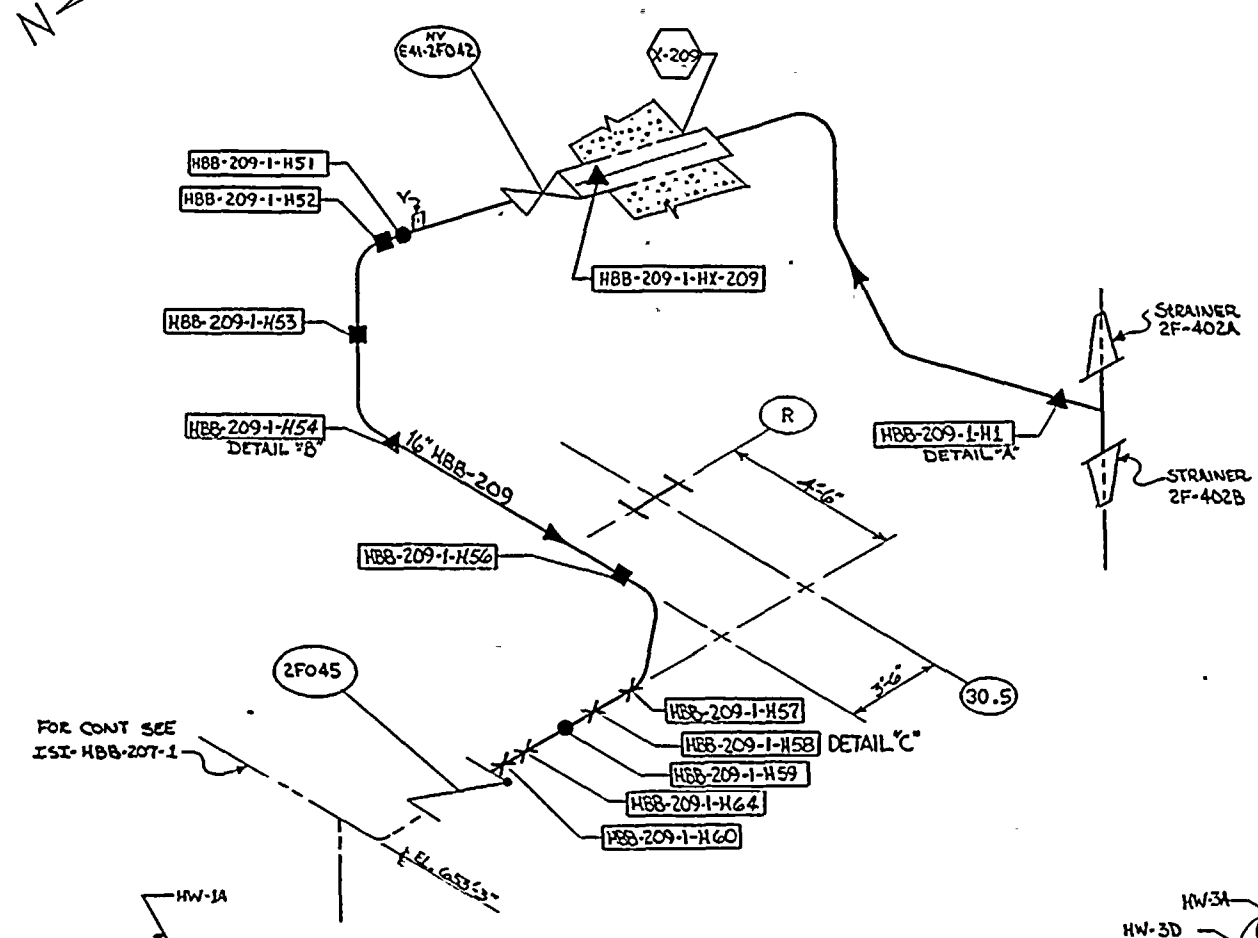
AREA 33 | ELEV. 645'-0" | SCALE- NONE

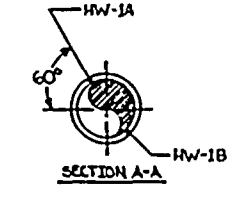
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

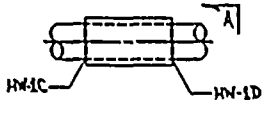
PP&L DRAWING NO. C-201373 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-208-2-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 G | G G | G | G | H | LOCATION CODES | SORTS

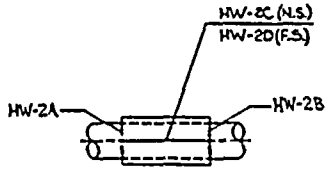






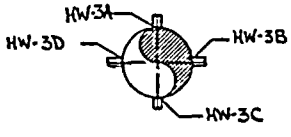
LOOKING NORTH

DETAIL "A"
HANGER 1

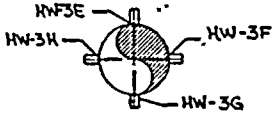


PLAN VIEW

DETAIL "B"
HANGER 54

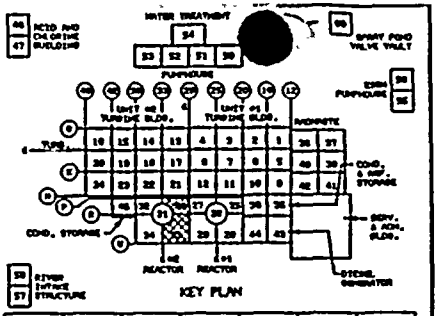


LOOKING NORTH



LOOKING SOUTH

DETAIL "C"
HANGER 58



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	595'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	700'-0"	679'-0"
3	699'-0"	697'-0"	679'-0"	719'-0"	718'-1"	699'-0"
4	720'-0"	713'-0"	691'-0"		720'-11 1/4"	714'-0"
5	741'-0"	749'-1"			737'-2 1/4"	720'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					751'-1"	771'-0"
16					838'-0"	793'-0"
19		799'-1"				839'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

HBB-209-1(REV.5)	
FCI-PSI-2837	
M-2155 (HPCI)	E-105955
M-30-1	E-106180 SHT.1
M-33-1	E-106183 SHT.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT-2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-209-1-H

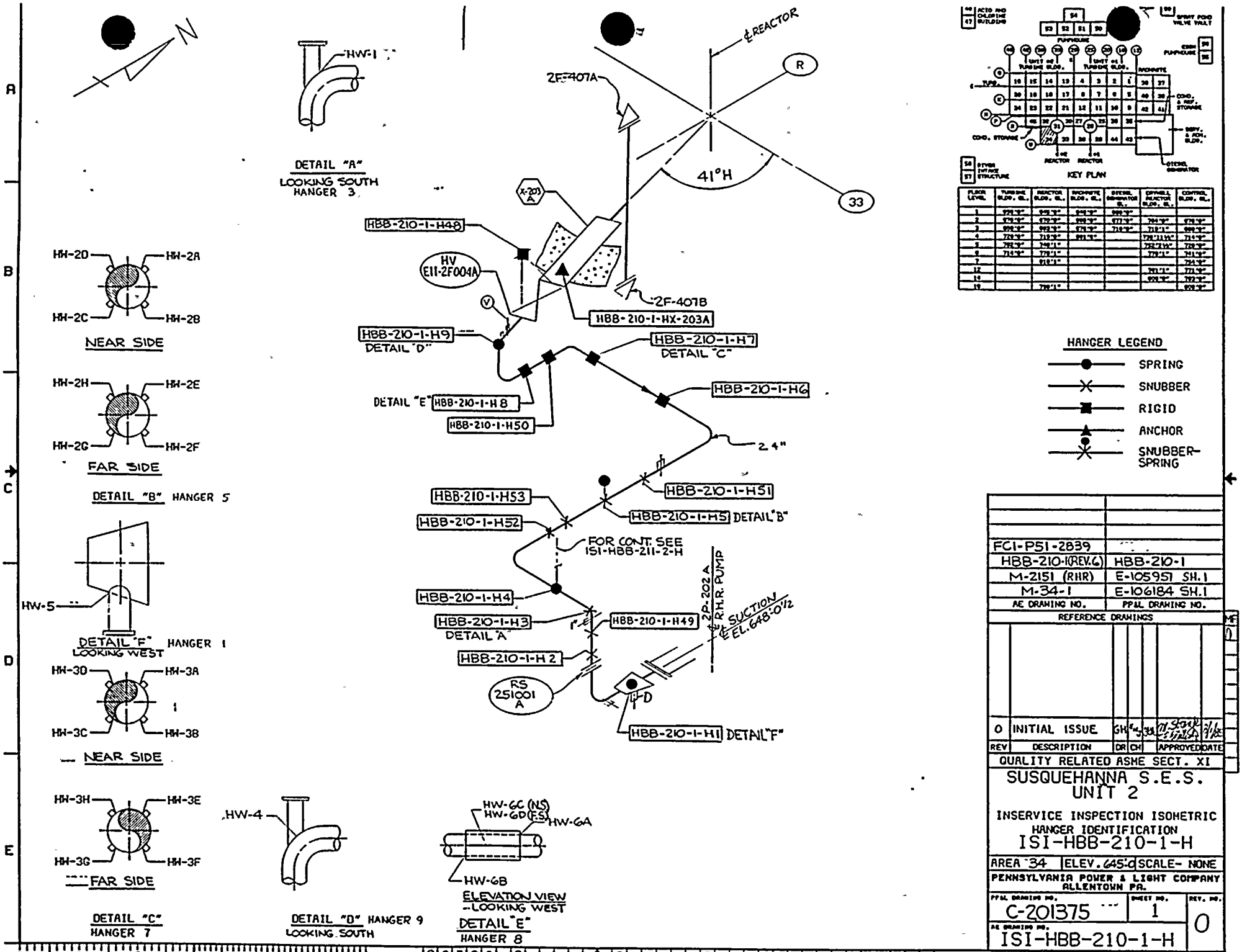
AREA 30&33 | ELEV: 645'-0" | SCALE- NONE

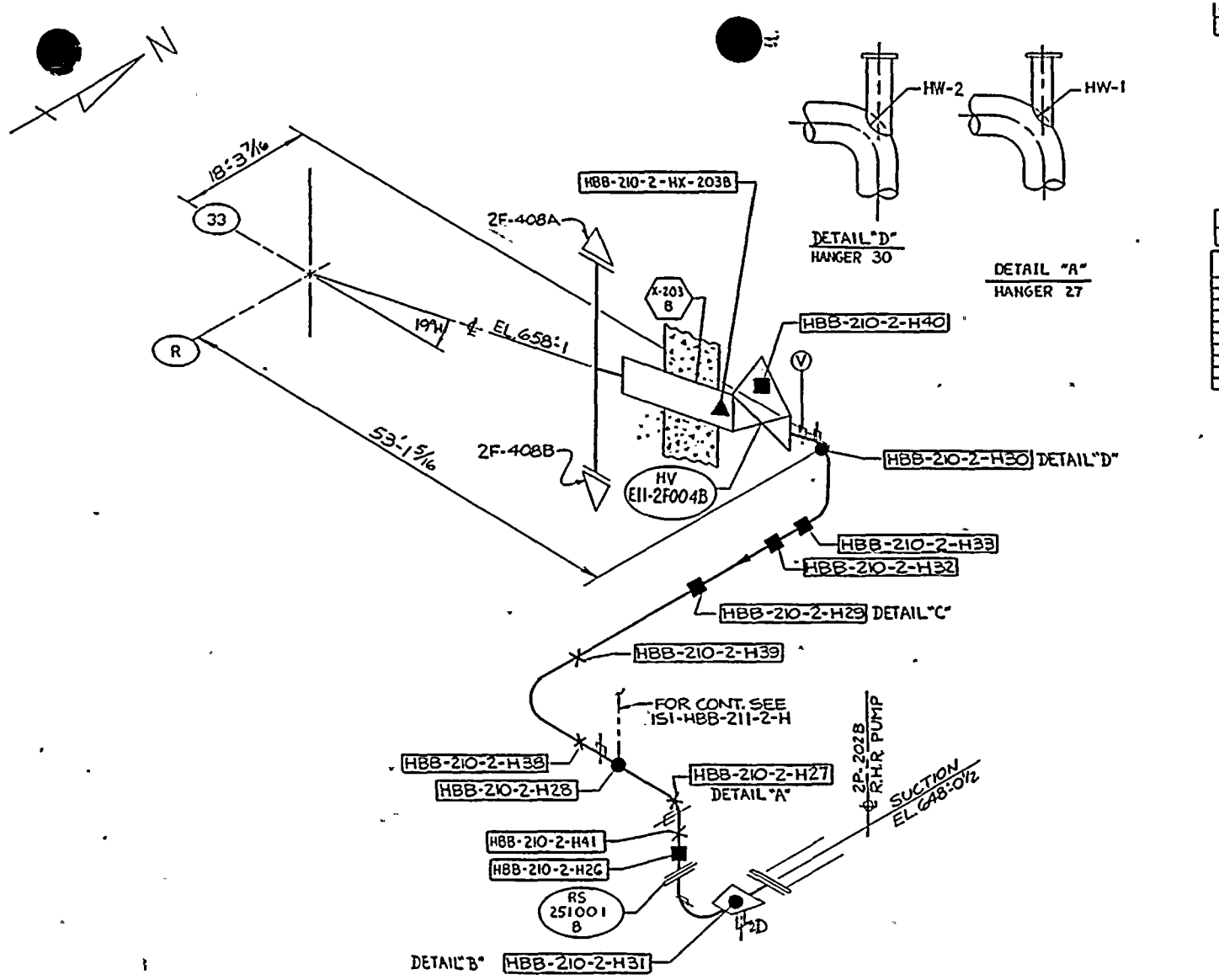
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

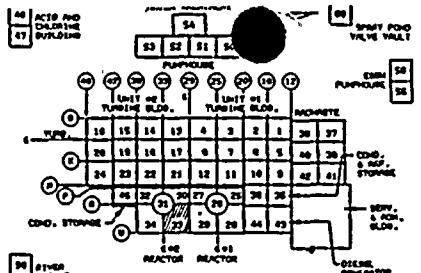
PP&L DRAWING NO. C-201374 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-209-1-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS


N
HW-1
DETAIL "A"
LOOKING SOUTH
HANGER 3
℄ REACTOR
R
2F-407A
41°H
33
X-203 A
HBB-210-1-H48
HV E11-2F004A
V
2F-407B
HBB-210-1-HX-203A
HBB-210-1-H9
DETAIL "D"
HBB-210-1-H7
DETAIL "C"
HBB-210-1-H6
DETAIL "E"
HBB-210-1-H8
HBB-210-1-H50
2.4"
HBB-210-1-H51
HBB-210-1-H53
HBB-210-1-H52
HBB-210-1-H5
DETAIL "B"
FOR CONT. SEE ISI-HBB-211-2-H
HBB-210-1-H4
HBB-210-1-H3
DETAIL "A"
HBB-210-1-H49
2P-202 A R.H.R. PUMP
℄ SUCTION ℄ EL. 648'-0 1/2
HBB-210-1-H2
RS 251001 A
D
HBB-210-1-H1
DETAIL "F"
HW-2D
HW-2A
HW-2C
HW-2B
NEAR SIDE
HW-2H
HW-2E
HW-2G
HW-2F
FAR SIDE
DETAIL "B" HANGER 5
HW-5
DETAIL "F" HANGER 1
LOOKING WEST
HW-3D
HW-3A
HW-3C
HW-3B
NEAR SIDE
HW-3H
HW-3E
HW-3G
HW-3F
FAR SIDE
DETAIL "C"
HANGER 7
HW-4
DETAIL "D" HANGER 9
LOOKING SOUTH
HW-6C (NS)
HW-6D (FS)
HW-6A
HW-6B
ELEVATION VIEW
-LOOKING WEST
DETAIL "E"
HANGER 8
KEY PLAN
HANGER LEGEND
SPRING
SNUBBER
RIGID
ANCHOR
SNUBBER-SPRING
FCI-P51-2839
HBB-210-1(REV.6)
HBB-210-1
M-2151 (RHR)
E-105951 SH.1
M-34-1
E-106184 SH.1
AE DRAWING NO.
PP&L DRAWING NO.
REFERENCE DRAWINGS
0 INITIAL ISSUE
REV DESCRIPTION DR CH APPROVED DATE
QUALITY RELATED ASME SECT. XI
SUSQUEHANNA S.E.S.
UNIT 2
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-210-1-H
AREA 34 ELEV. 645'-0 SCALE- NONE
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.
PP&L DRAWING NO. C-201375
SHEET NO. 1
REV. NO. 0
AE DRAWING NO. ISI-HBB-210-1-H
FRACTIONAL
DECIMAL
LOCATION CODES
SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPRINKLE REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	645'-0"	649'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	749'-0"	679'-0"
3	698'-0"	697'-0"	679'-0"	718'-0"	718'-1"	699'-0"
4	723'-0"	713'-0"	691'-0"		738'-11 1/4"	714'-0"
5	743'-0"	749'-1"			752'-2 1/4"	723'-0"
6	764'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				764'-0"
12					781'-1"	771'-0"
16					809'-0"	782'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2840	
HBB-210-2(REV.5)	HBB-210-2
M-2151 (RHR)	E-105951 SHT. 2
M-33-1	E-106183 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	GH	EJ	EH	2/1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-210-2-H

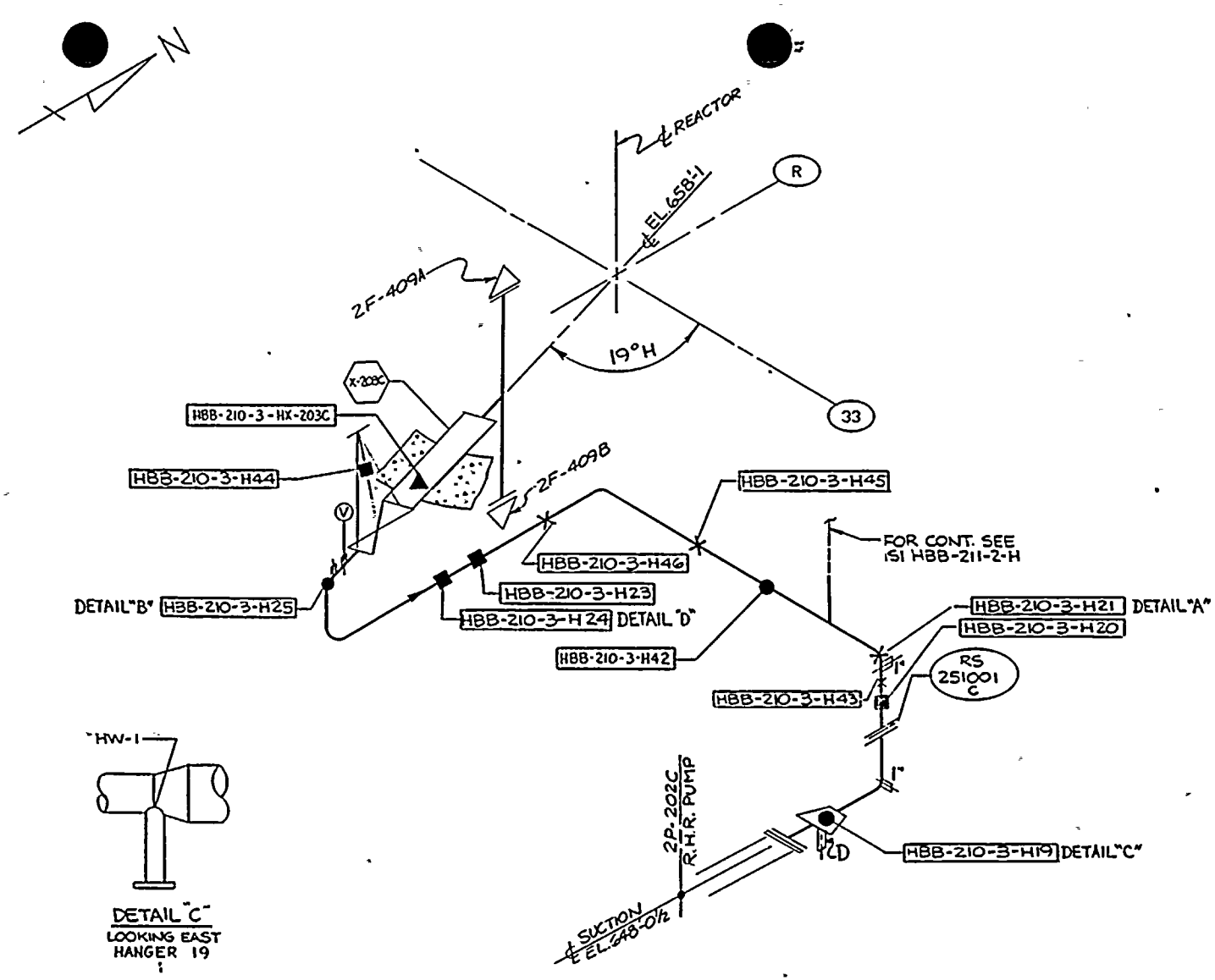
AREA 33 | ELEV. 645'-0 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

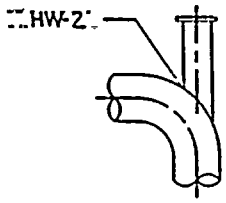
PP&L DRAWING NO. C-201376 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-210-2-H

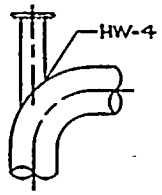
FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 | G | G | G | G | G | G | H | LOCATION CODES | SORTS



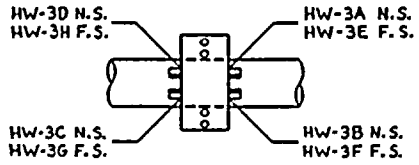
DETAIL "C"
LOOKING EAST
HANGER 19



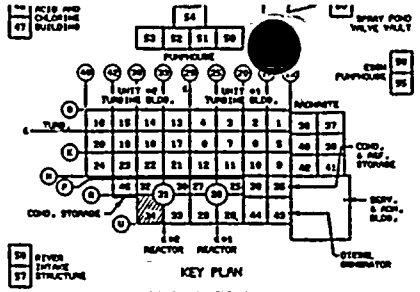
DETAIL "A"
LOOKING NORTH
HANGER 21



DETAIL "B"
LOOKING SOUTH
HANGER 25



DETAIL "D"
LOOKING EAST
HANGER 24



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	734'-0"	645'-0"	645'-0"	646'-0"		
2	676'-0"	679'-0"	692'-0"	677'-0"	704'-0"	676'-0"
3	695'-0"	692'-0"	676'-0"	719'-0"	719'-1"	698'-0"
4	722'-0"	719'-0"	691'-0"		728'-11½"	719'-0"
5	752'-0"	749'-1"			752'-2½"	752'-0"
6	711'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					806'-0"	792'-0"
19		799'-1"				806'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2841	
HBB-210-3(REV. 5)	HBB-210-3
M-2151 (RHR)	E-105951 SHT. 1
M-34-1	E-106184 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	GH				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-210-3-H

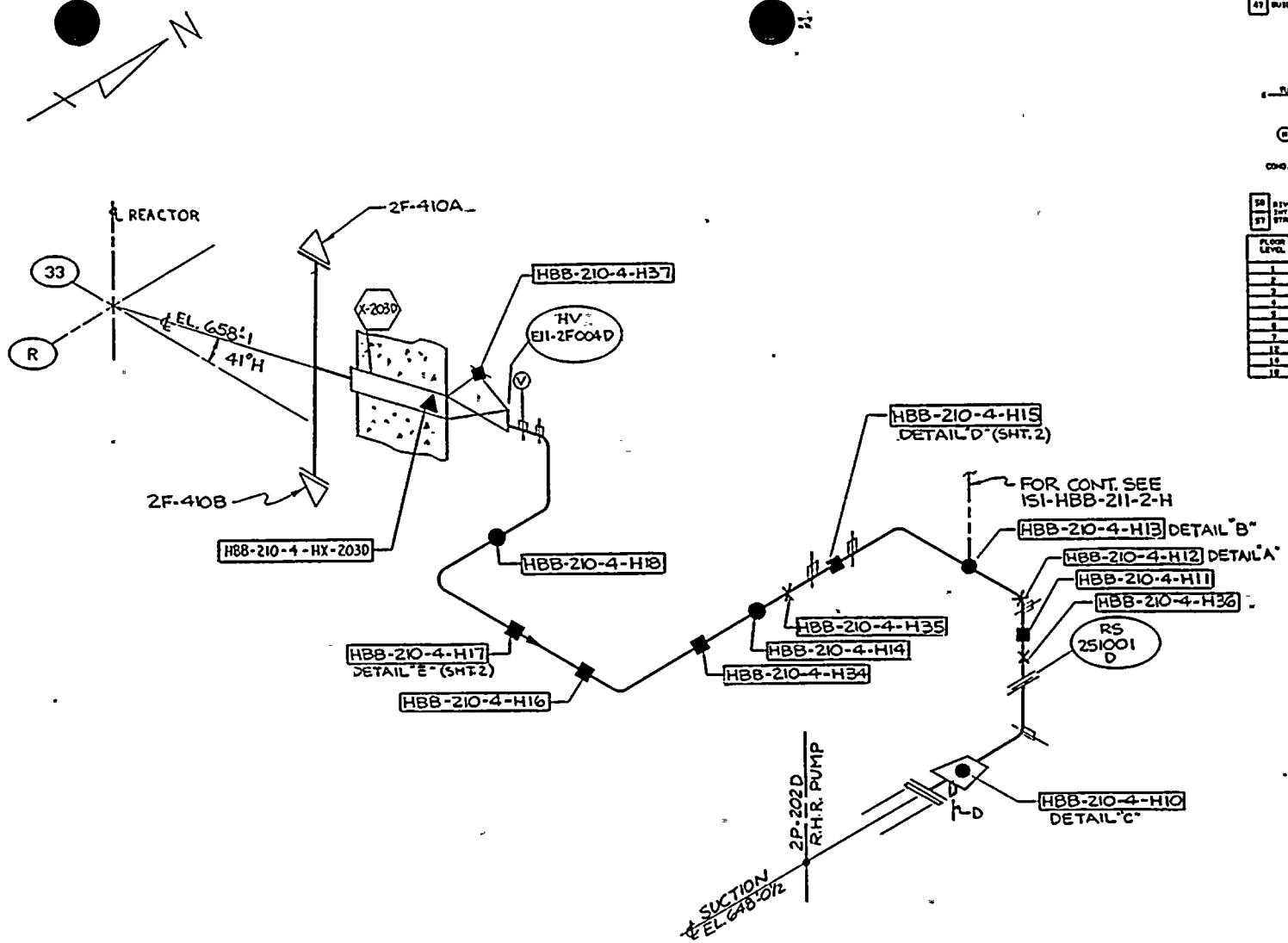
AREA 34 | ELEV. 645'-0 | SCALE- NONE

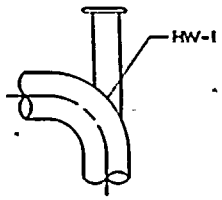
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201377 | SHEET NO. 1 | REV. NO. 0

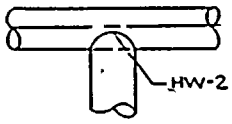
AE DRAWING NO. ISI-HBB-210-3-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 | G | G | G | G | G | H | LOCATION CODES | SORTS

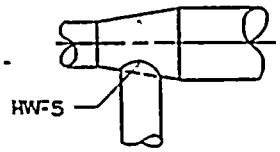




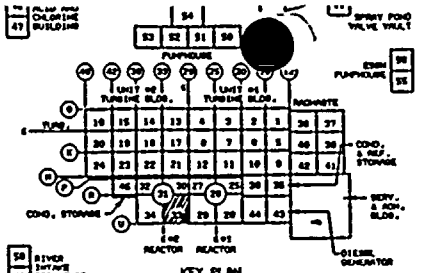
DETAIL "A"
LOOKING NORTH
HANGER 12



DETAIL "B"
LOOKING NORTH
HANGER 13



DETAIL "C"
LOOKING EAST
HANGER 10



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
18		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

HBB-210-4 (REV. 6)	
FCI-PSI-2842	
M-2151 (RHR)	E-105951 SH. 2
M-33-1	E-106183 SH. 1
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	GH	JL	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-210-4-H

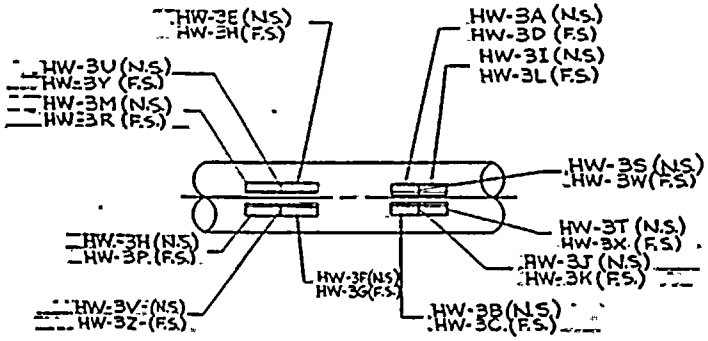
AREA 33 | ELEV. 645'-0 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

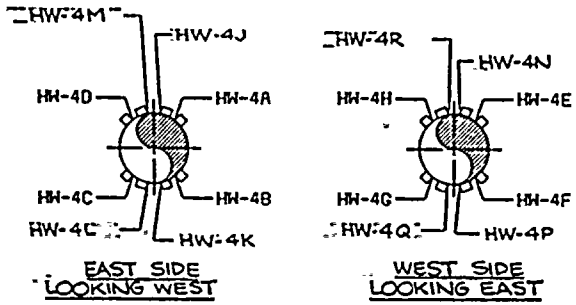
PP&L DRAWING NO. C-201378 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-210-4-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 | G | G | G | G | LOCATION CODES | M | SORTS



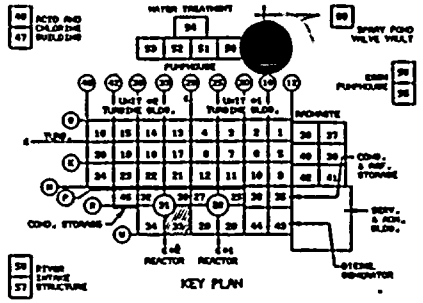
DETAIL "D"
LOOKING WEST
HANGER 15



EAST SIDE
LOOKING WEST

WEST SIDE
LOOKING EAST

DETAIL "E"
HANGER 17



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-9"	699'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	701'-9"	679'-9"
3	699'-9"	699'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	721'-9"	719'-9"	691'-9"		739'-11 1/4"	719'-9"
5	739'-9"	739'-1"			757'-7 1/4"	739'-9"
6	715'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				764'-9"
12					791'-1"	771'-9"
14					819'-9"	791'-9"
19		799'-1"				819'-9"

HBB-210-4 (REV.6)	
FCI-PSI-2842	
M-2151	E-105951
M-33-1	E-106183 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	GH			

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-210-4-H.

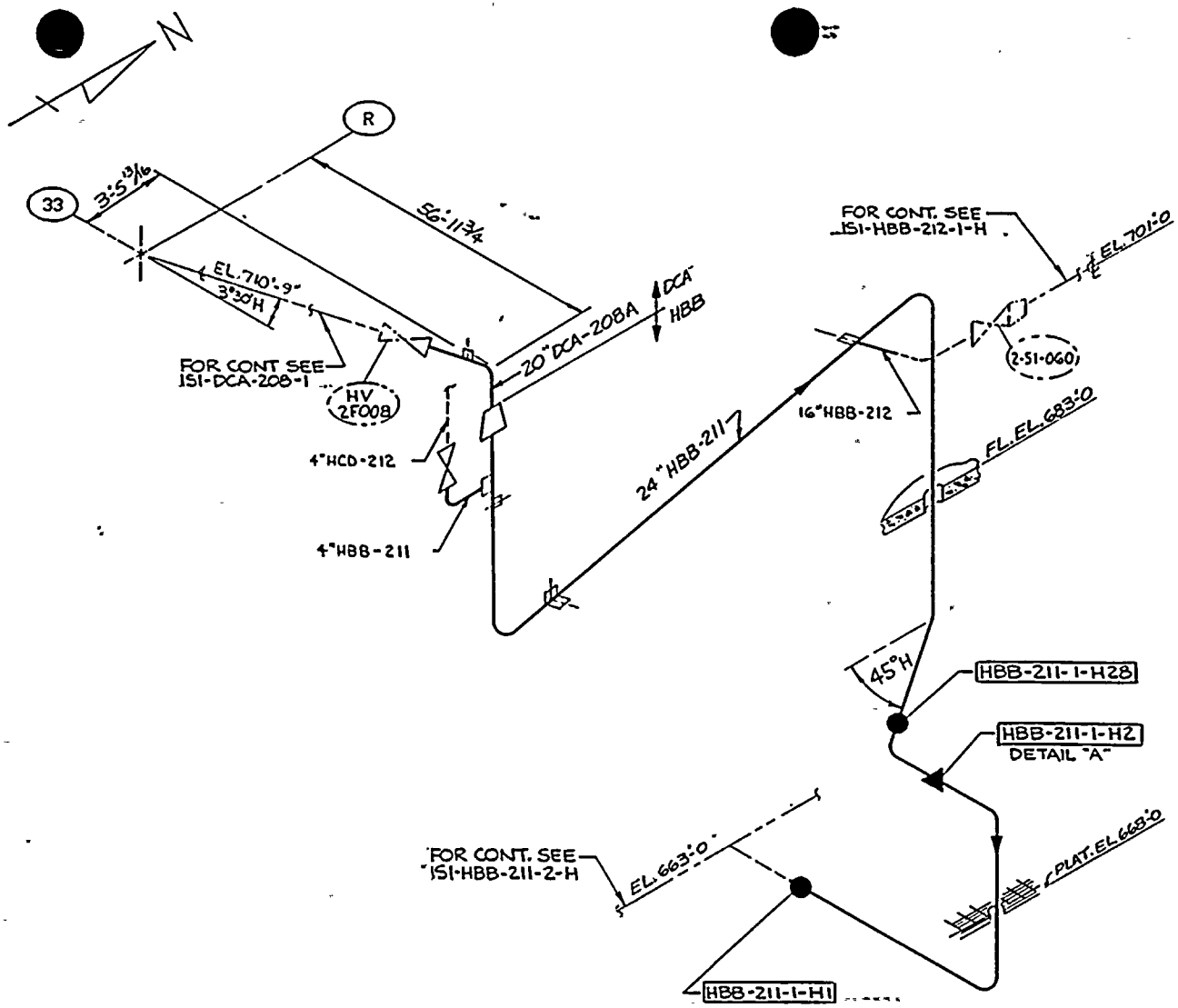
AREA 33 | ELEV. 645'-0 | SCALE- NONE

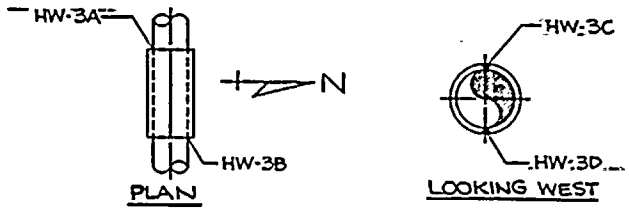
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201378 | SHEET NO. 2 | REV. NO. 0

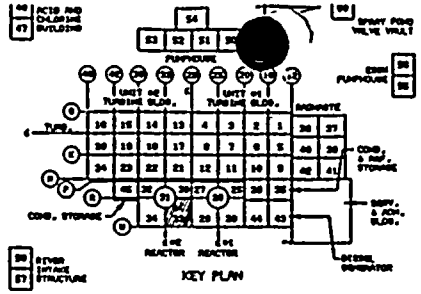
AE DRAWING NO. ISI-HBB-210-4-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





DETAIL A
HANGER 2



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL, REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]	-	
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
16					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FC1-P51-2851	
HBB-211-1(REV.4)	HBB-211-1
M-2151	E-105951
M-33-1	E-106183 SH.1
M-33-2	E-106183 SH.2
M-33-3	E-106183 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	GH	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-211-1-H

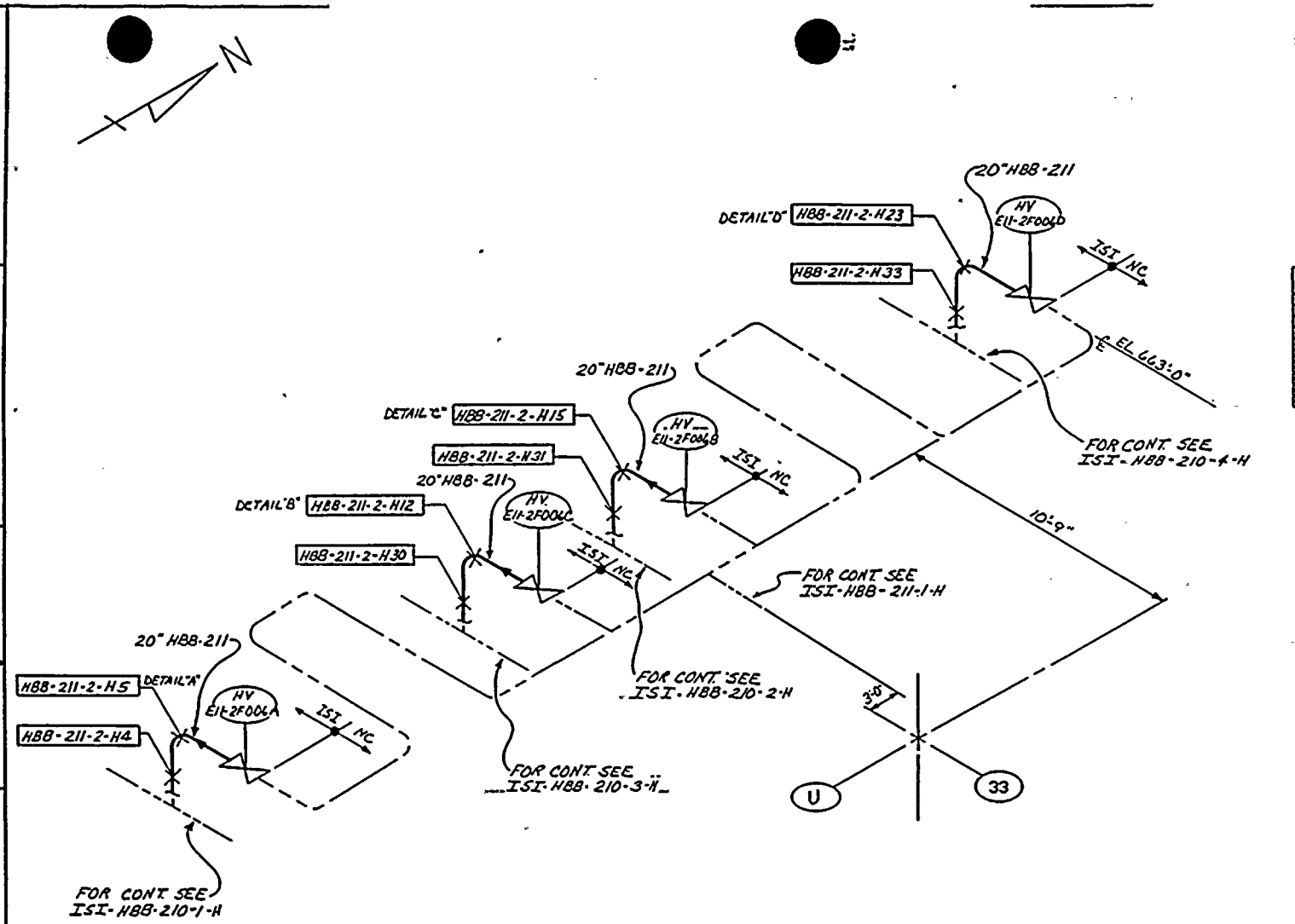
AREA 33 | ELEV. 645'-0 | SCALE- NONE

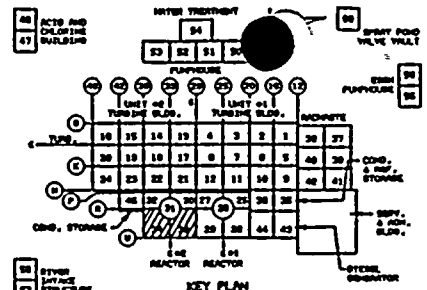
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201379 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-211-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 | LOCATION CODES | H SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	AUXILIARY BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	599'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	599'-9"	677'-9"	701'-9"	679'-9"
3	699'-9"	699'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	719'-9"	719'-9"	691'-9"		739'-11 1/2"	719'-9"
5	739'-9"	740'-1"			752'-7 1/2"	739'-9"
6	759'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				759'-9"
12					791'-1"	771'-9"
14					809'-9"	789'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

HBB-211-2 (REV.3)	
FCI-A51-2851	
N-2151(ANR)	E-105951
M-33-1	E-106183 SH.1
M34-1	E-106184 SH. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2.

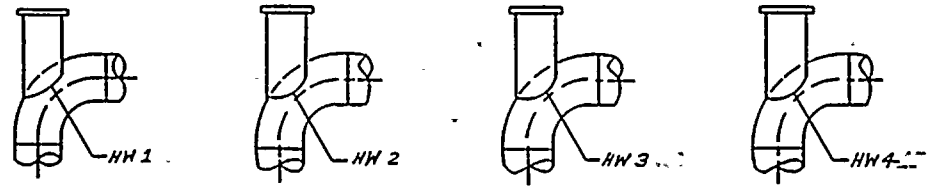
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-211-2-H

AREA 33,34 | ELEV. 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201428 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-211-2-H



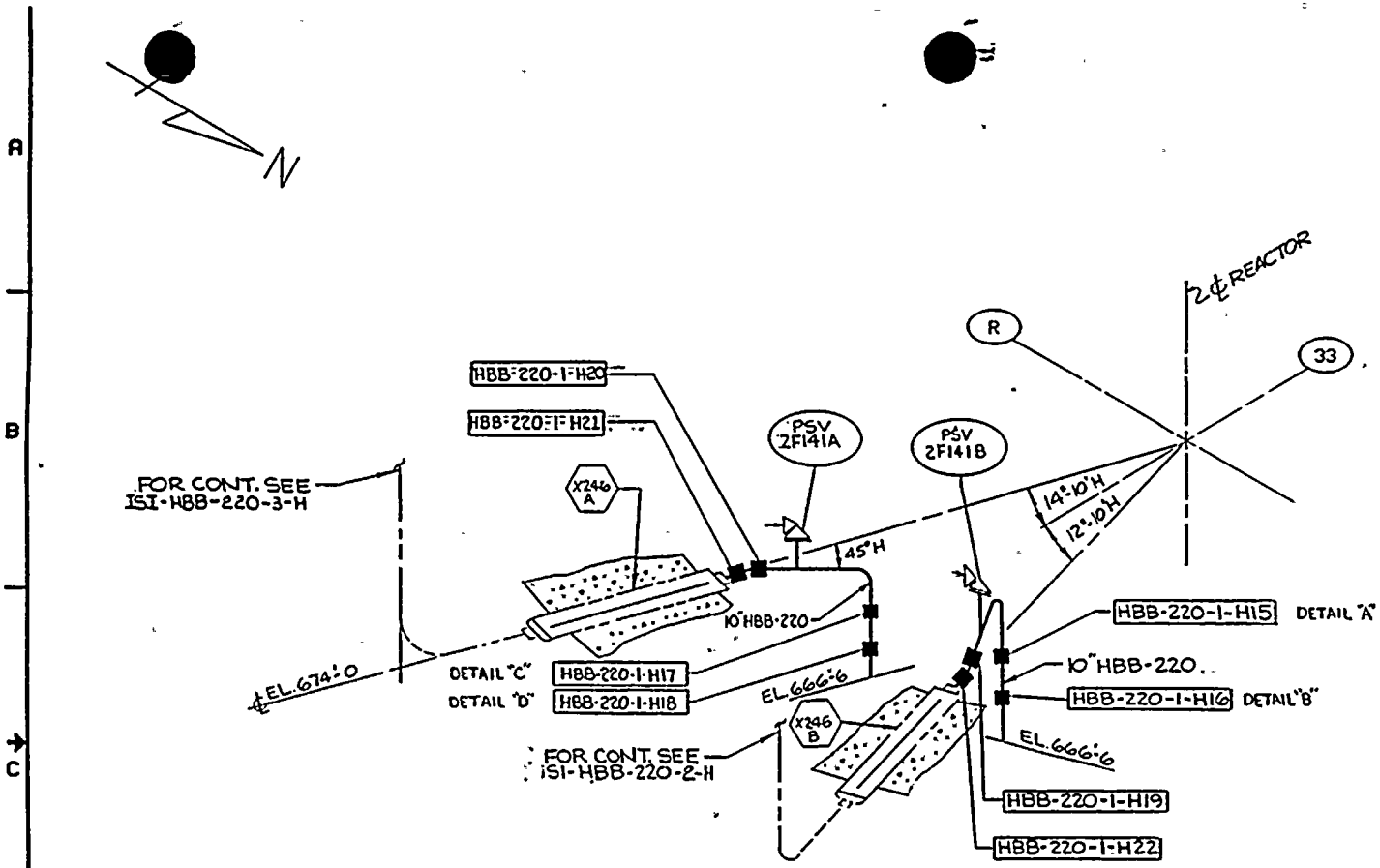
DETAIL "A" HANGER 5

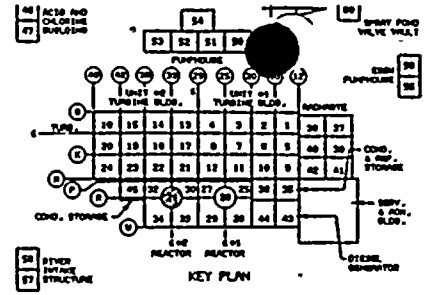
DETAIL "B" HANGER 12

DETAIL "C" HANGER 15

DETAIL "D" HANGER 23

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	STACK DEMISTER EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	998'-9"	895'-9"	949'-9"	999'-9"		
2	979'-9"	879'-9"	999'-9"	977'-9"	704'-9"	679'-9"
3	899'-9"	882'-9"	879'-9"	718'-9"	718'-1"	699'-9"
4	729'-9"	718'-9"	881'-9"		718'-11½"	719'-9"
5	719'-9"	749'-1"			718'-11½"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					899'-9"	783'-9"
19		799'-1"				899'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2916	
FCI-PSI-2915	
HBB-220-1 REV.4	
M-2151 (R.H.R.)	E-105951
M-33-2	E-106183 SH.2
M-34-2	E-106184 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

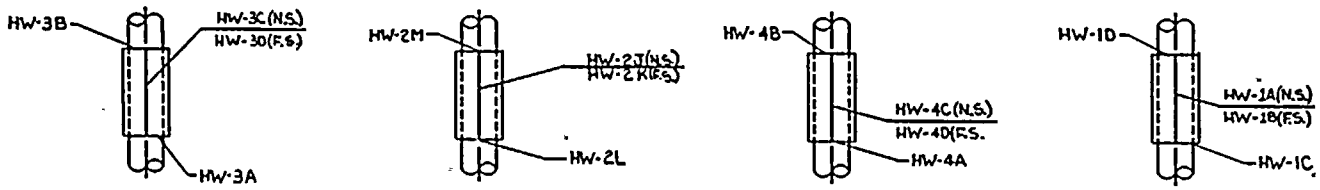
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-220-1-H

AREA 33,34 | ELEV. 670'-0 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201382 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-220-1-H



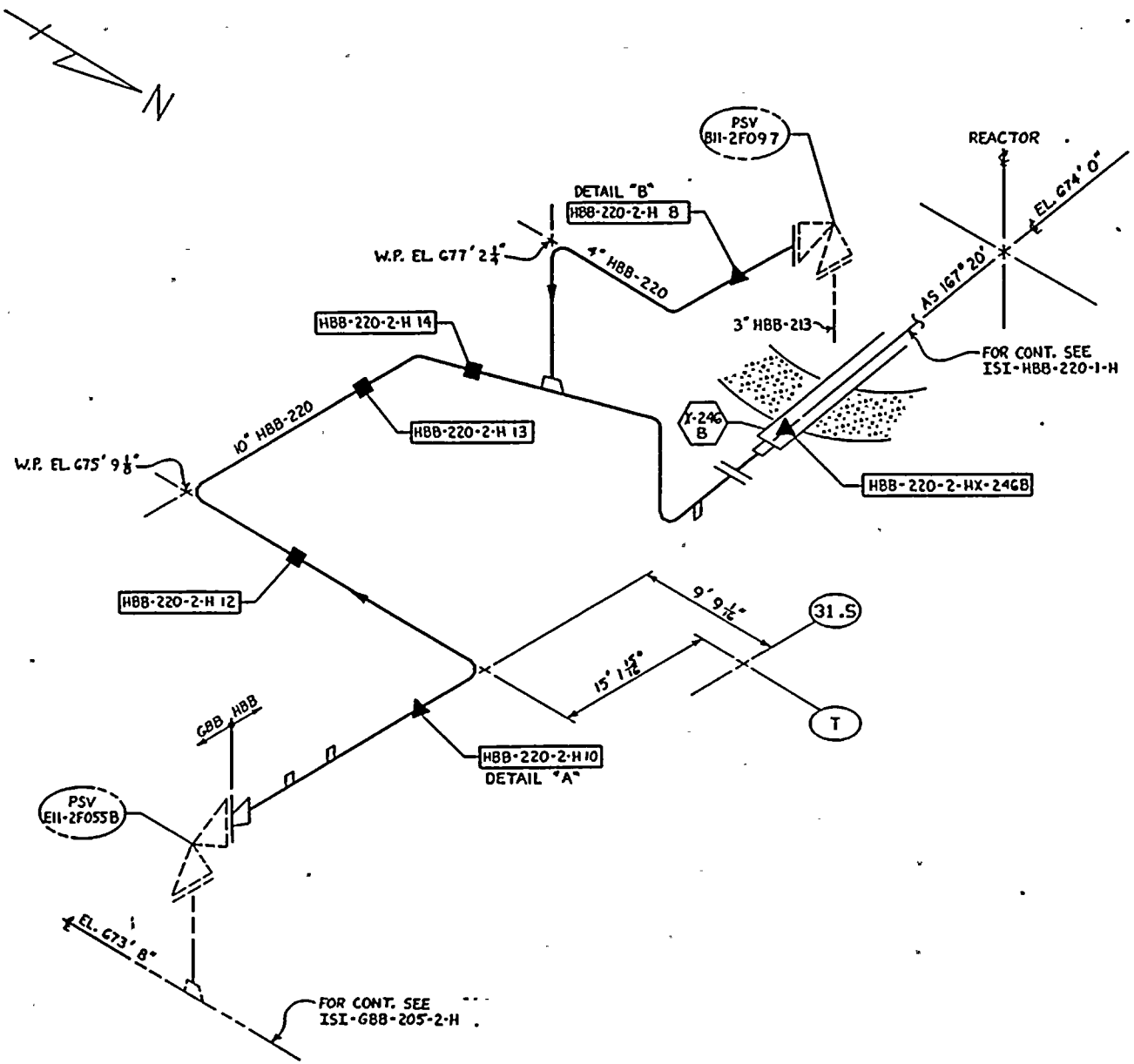
LOOKING S.W.
DETAIL "A"
HANGER 15

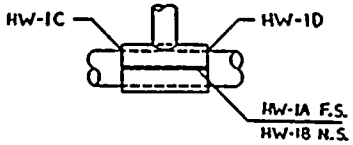
LOOKING S.W.
DETAIL "B"
HANGER 16

LOOKING N.W.
DETAIL "C"
HANGER 17

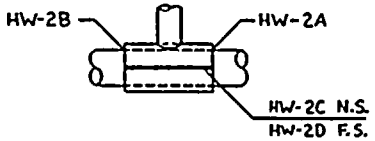
LOOKING N.W.
DETAIL "D"
HANGER 18

FRACTIONAL | DECIMAL | LOCATION CODES | SORTS

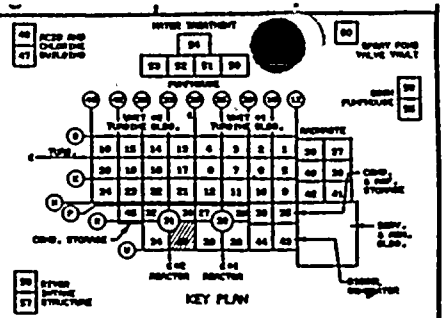




DETAIL "A"
HANGER 10
LOOKING SOUTH



DETAIL "B"
HANGER 8
LOOKING SOUTH



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SERVICE BUILDING BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
13					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2917	
FCI-PSI-2915	
HBB-220-2 REV. 3	
M-2151 (RHR)	E-105951
M-33-2	E-186183 SH. 2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	—	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

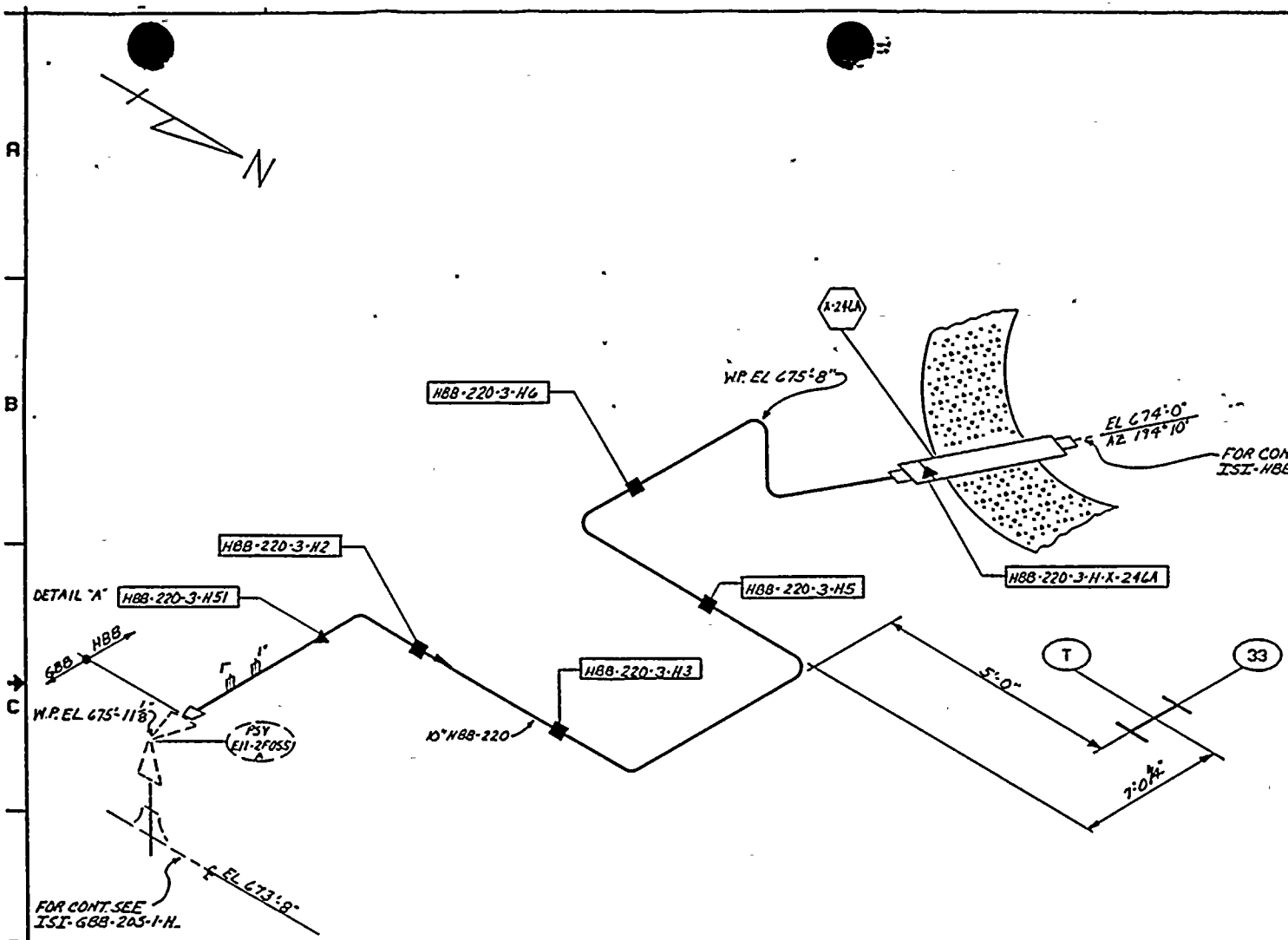
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-220-2-H

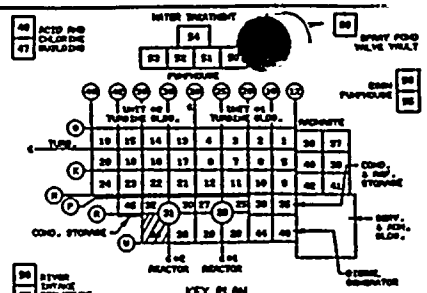
AREA | ELEV. | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201381 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBB-220-2-H





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	599'-0"	599'-0"	599'-0"		
2	676'-0"	676'-0"	676'-0"	677'-0"	704'-0"	676'-0"
3	699'-0"	697'-0"	676'-0"	718'-0"	718'-1"	699'-0"
4	722'-0"	714'-0"	701'-0"		722'-11 1/4"	714'-0"
5	732'-0"	732'-1"			732'-2 1/4"	732'-0"
6	741'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					781'-1"	771'-0"
14					799'-0"	792'-0"
19		799'-1"				799'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

HBB-220-3 (REV. 2)	
FCI-PSI-2916	
M-2151 (RHR)	E-105951
M-34-2	E-106184 SH. 2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBB-220-3-H

AREA 34 | ELEV. 670'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

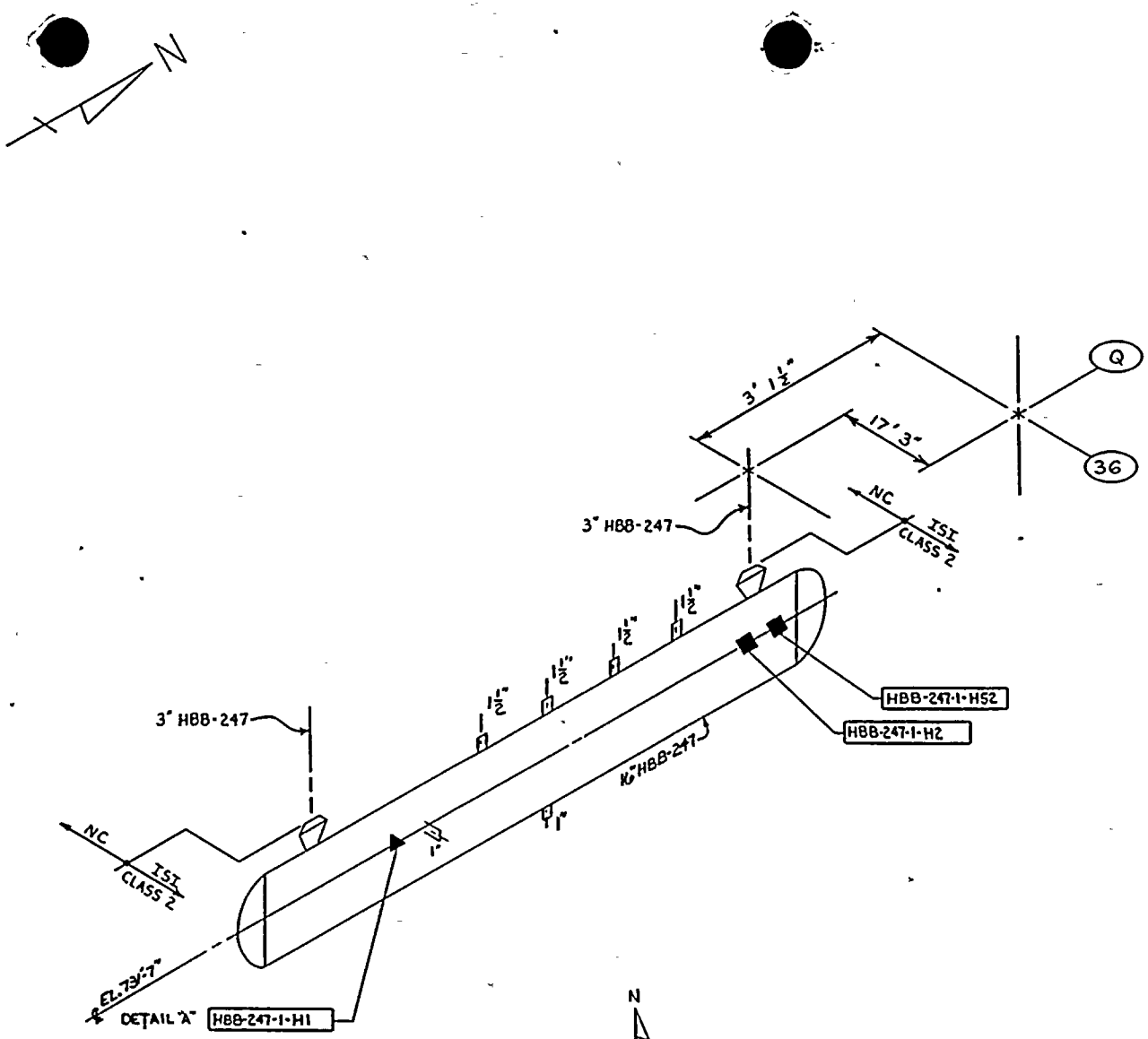
PP&L DRAWING NO. C-201429 | SHEET NO. 1 | REV. NO. 0

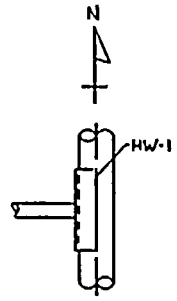
AE DRAWING NO. ISI-HBB-220-3-H

G 2 Z 2 0 G G G G M

LOCATION CODES

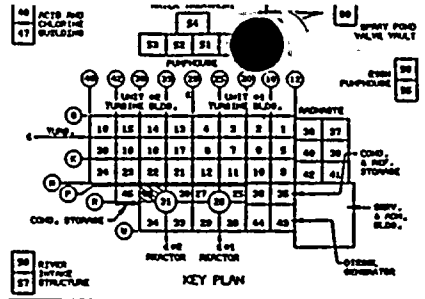
SORTS





PLAN VIEW

DETAIL "A"
HANGER 1



KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	OTSGS, SEPARATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-0"	695'-0"	694'-0"	694'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	697'-0"	679'-0"	719'-0"	719'-0"	699'-0"
4	723'-0"	719'-0"	697'-0"		739'-11½"	719'-0"
5	742'-0"	749'-1"			752'-7½"	723'-0"
6	719'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	793'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-21028	
M-2139 (MSIV)	E 162773
M-32-4	E 106184 SHT. 4
HBB-247-1 (REV 3)	
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-HBB-247-1-H

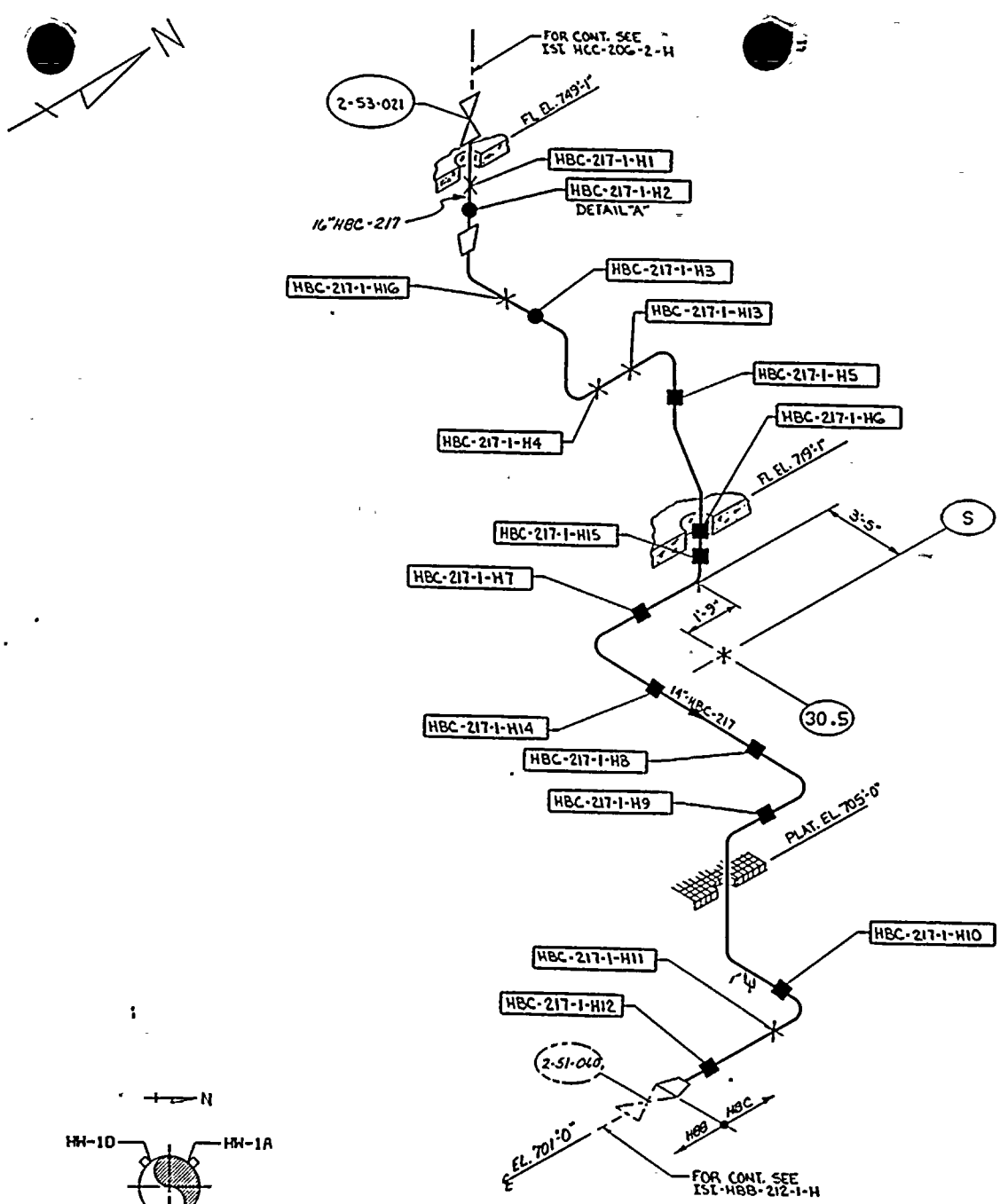
AREA 32 | ELEV. 719'-0" | SCALE- NONE

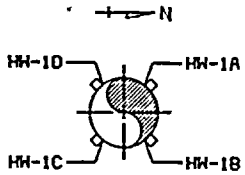
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201383 | SHEET NO. 1 | REV. NO. 0

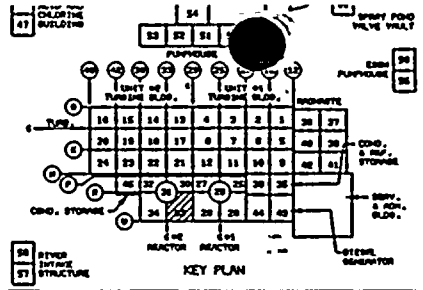
AE DRAWING NO. ISI-HBB-247-1-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





DETAIL "A"
HANGER H-2



KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	694'-9"	694'-9"	694'-9"	694'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	719'-9"	679'-9"
3	699'-9"	691'-9"	679'-9"	719'-9"	719'-9"	699'-9"
4	723'-9"	719'-9"	691'-9"		728'-11 1/2"	719'-9"
5	739'-9"	749'-1"			739'-2 1/2"	739'-9"
6	749'-9"	779'-1"			779'-1"	749'-9"
7		819'-1"				759'-9"
12					791'-1"	771'-9"
14					809'-9"	789'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2937	
HBC-217-1 (REV. 3)	
M-33-5	E-106833 SH.5
M-33-4	E-106833 SH.4
M-33-3	E-106833 SH.3
M-2153 (F.P.C.&C.)	E-105953
M-2151 (RHR)	E-105951
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RD	DA	[illegible]	8/15

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBC-217-1-H

AREA 33 | ELEV. 683'-0" | SCALE- NONE

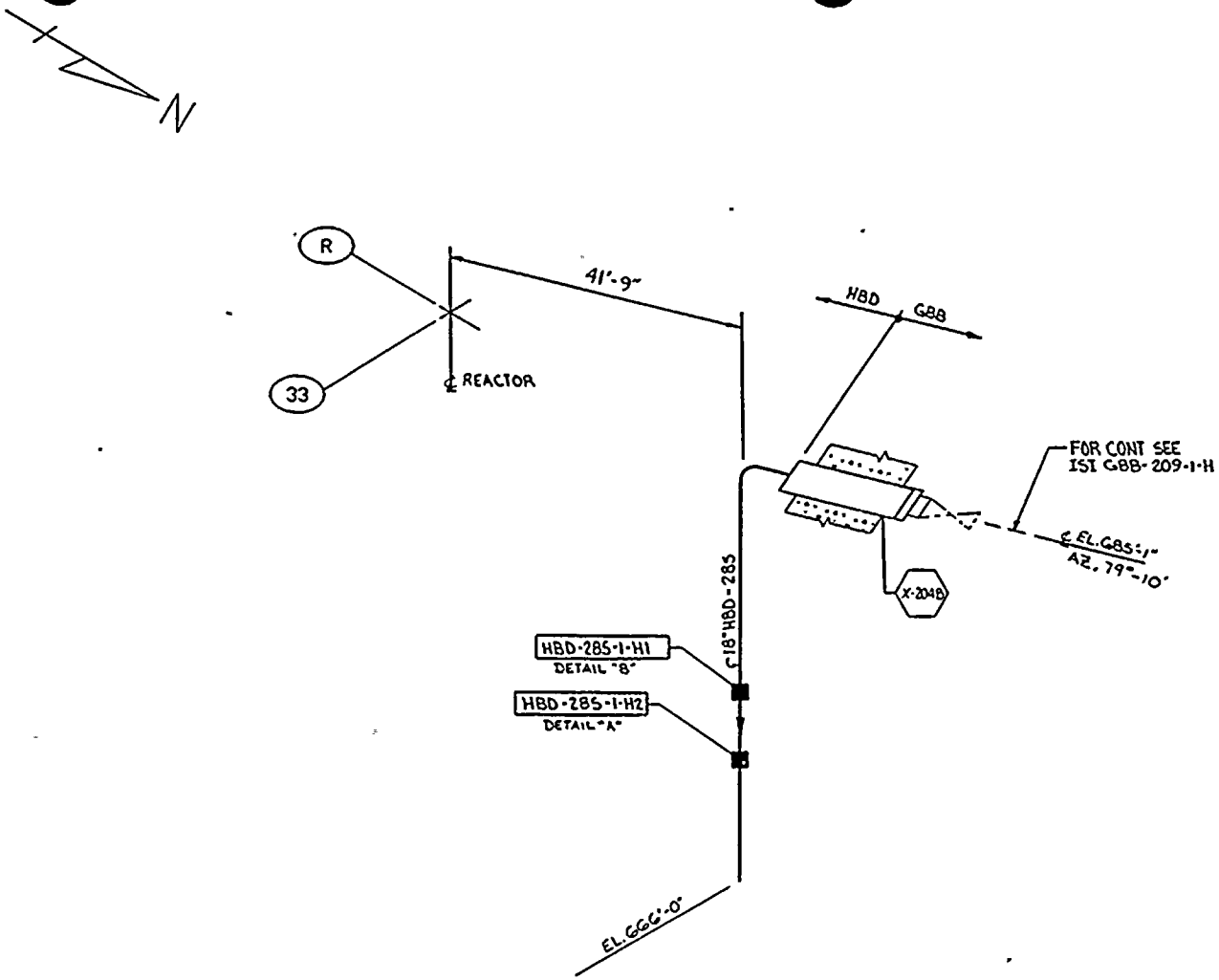
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

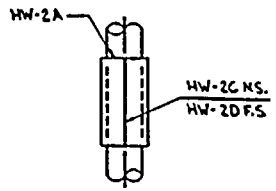
PP&L DRAWING NO. C-201384 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBC-217-1-H

0 1 2 FRACTIONAL 2 1 0 DECIMAL

G 2 2 2 0 | G | G | G | G | H
LOCATION CODES | SORTS

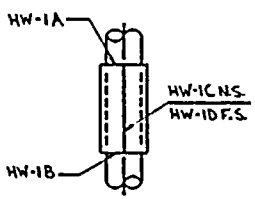




LOOKING WEST

DETAIL "A"

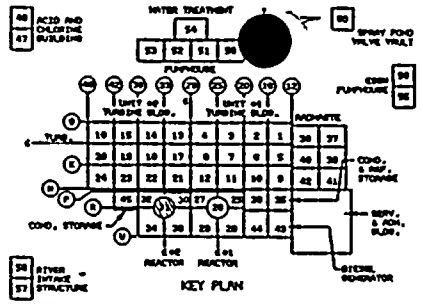
HANGER H-2



LOOKING EAST

DETAIL "B"

HANGER H-1



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-9"	599'-9"	599'-9"	599'-9"		
2	679'-9"	679'-9"	599'-9"	677'-9"	701'-9"	679'-9"
3	699'-9"	697'-9"	679'-9"	719'-9"	718'-1"	699'-9"
4	723'-9"	719'-9"	691'-9"		730'-11 1/2"	713'-9"
5	743'-9"	739'-1"			732'-7 1/2"	728'-9"
6	763'-9"	779'-1"			778'-1"	743'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					808'-9"	793'-9"
16		799'-1"				809'-9"

KEY PLAN

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2864	
HBD-285-1 (REV 2)	
M-30-3	E-106830 SH.3
M-30-2	E-106830 SH.2
M-2151 (RHR)	E-105951 SH.2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBD-285-1-H

AREA 30 | ELEV. 670'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

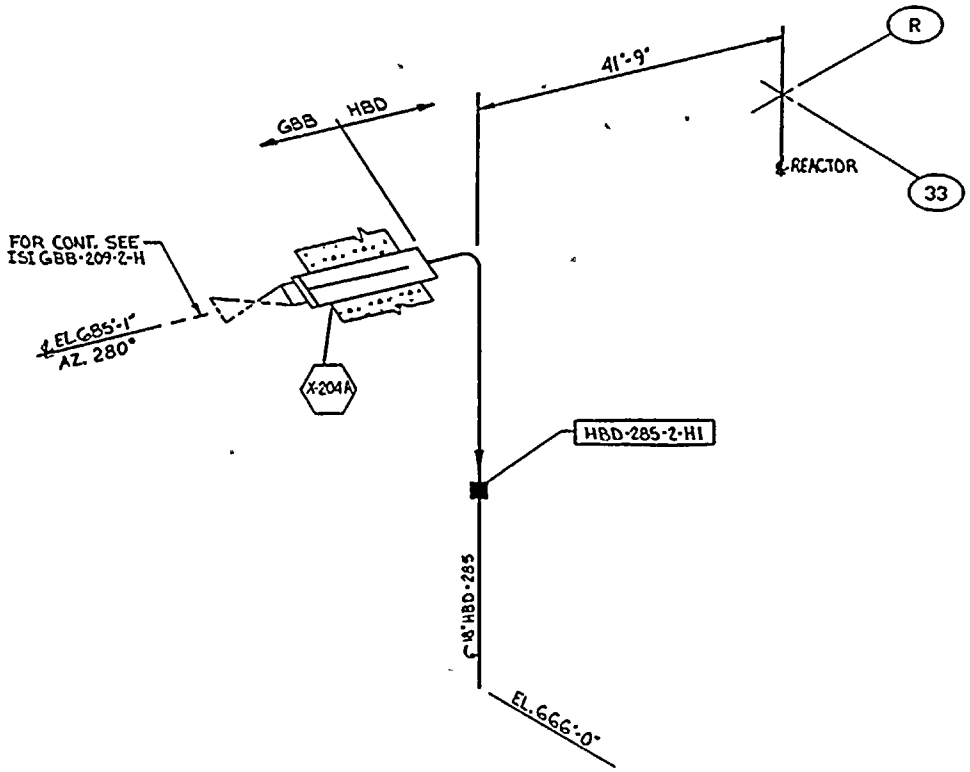
PP&L DRAWING NO. C-201385 | SHEET NO. 1 | REV. NO. 0

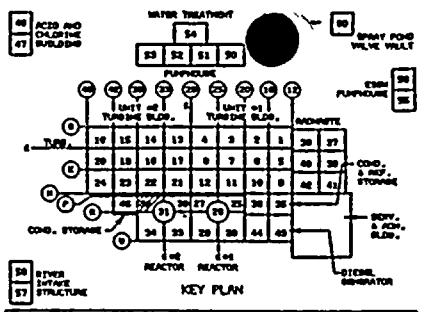
AE DRAWING NO. ISI-HBD-285-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 2 2 0 | G | G | G | G | M

LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-9"	999'-9"	999'-9"	999'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	794'-9"	979'-9"
3	999'-9"	992'-9"	979'-9"	719'-9"	719'-1"	999'-9"
4	722'-9"	719'-9"	991'-9"		722'-11 1/4"	719'-9"
5	792'-9"	749'-1"			722'-2 1/4"	722'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		919'-1"				754'-9"
12					791'-1"	771'-9"
16					809'-9"	789'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2863	
HBD-285-2 (REV.2)	
M-32-3	E-106832 SH.3
M-32-2	E-106832 SH.2
M-2151 (RHR)	E-105951 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBD-285-2-H

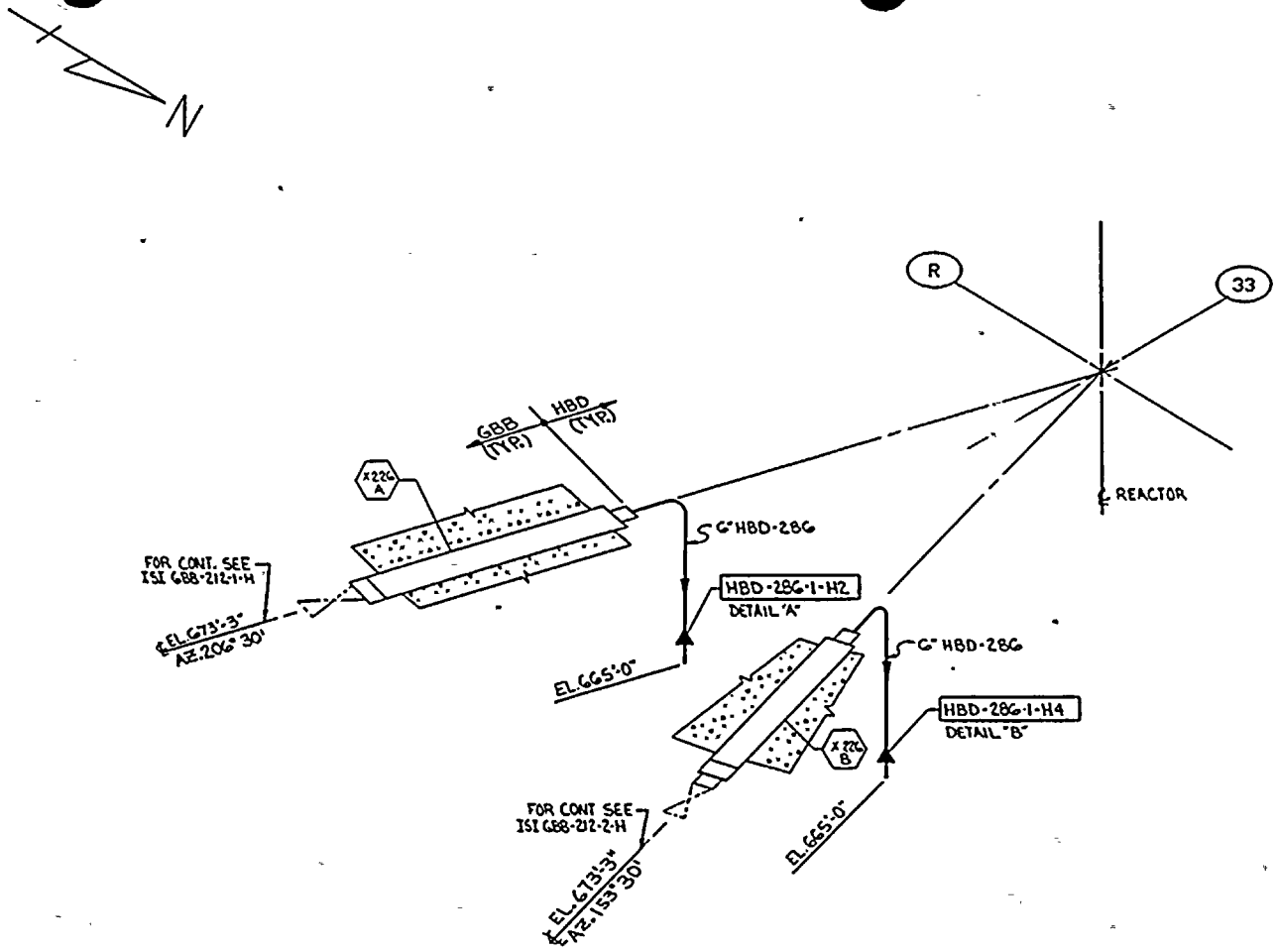
AREA 32 | ELEV. 670'-0" | SCALE- NONE

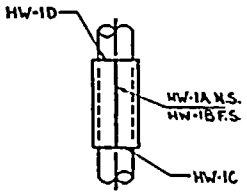
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201386	1	0

AE DRAWING NO.
ISI-HBD-285-2-H

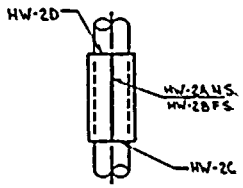
FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





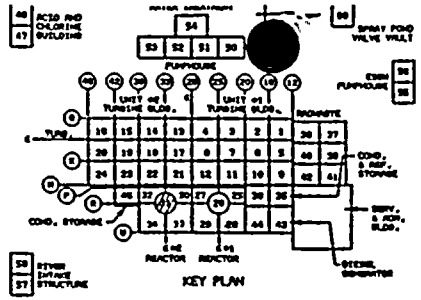
ELEV. LOOKING SOUTHWEST

DETAIL "A"
HANGER H-2



ELEV. LOOKING NORTHWEST

DETAIL "B"
HANGER H-4



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-0"	995'-0"	999'-0"	999'-0"		
2	979'-0"	979'-0"	999'-0"	977'-0"	794'-0"	979'-0"
3	999'-0"	992'-0"	979'-0"	719'-0"	719'-1"	999'-0"
4	722'-0"	719'-0"	991'-0"		739'-11 1/2"	719'-0"
5	739'-0"	749'-1"			739'-2 1/2"	739'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		911'-1"				744'-0"
12					791'-1"	771'-0"
14					809'-0"	797'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2891	
FCI-PSI-2889	
HBD-286-1 (REV. 4)	
M-33-2	E-106833 SH.2
M-34-2	E-106834 SH.2
M-2151 (RHR)	E-105951
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HBD-286-1-H

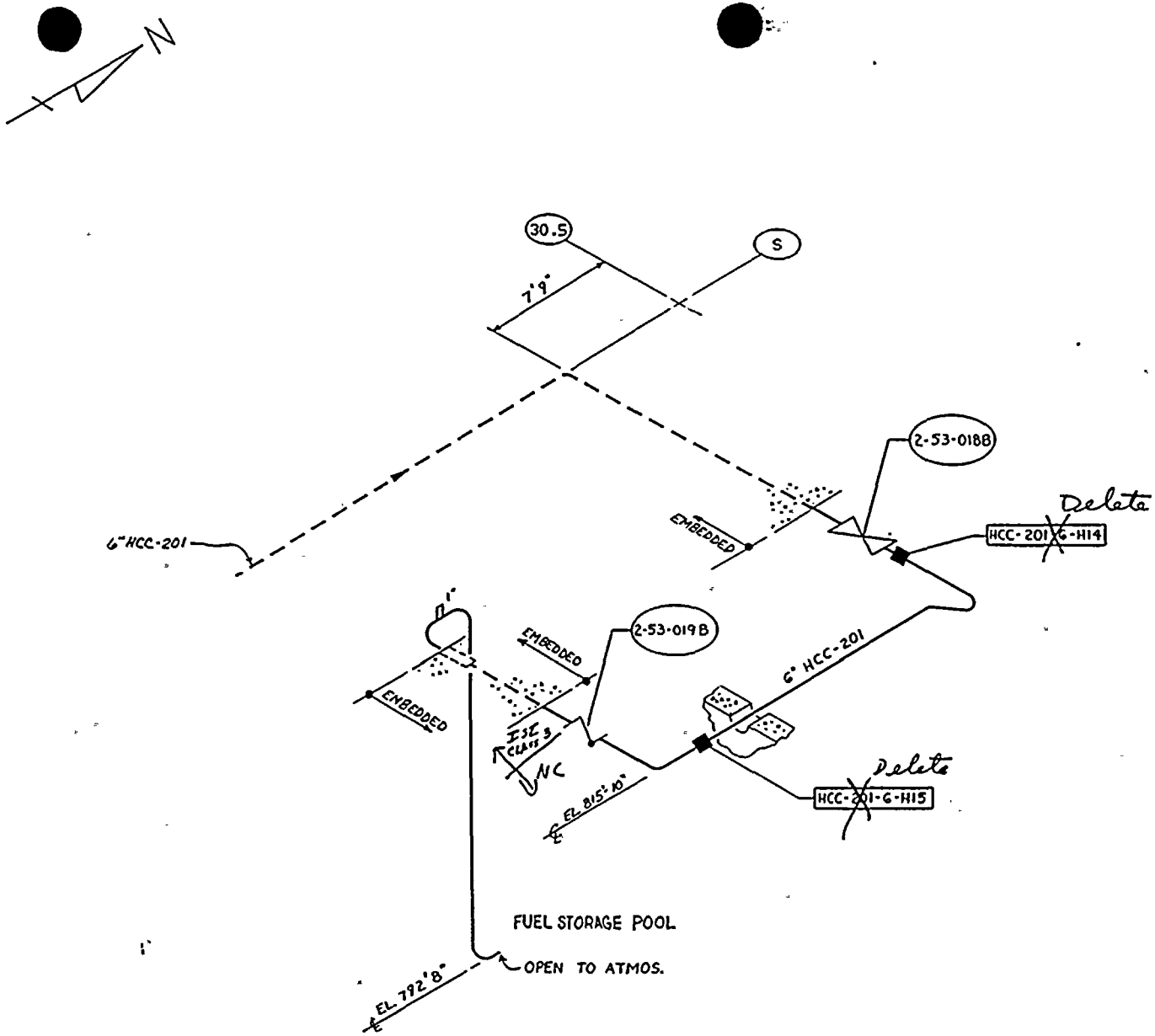
AREA 33.34 | ELEV. 670'-0" | SCALE- NONE

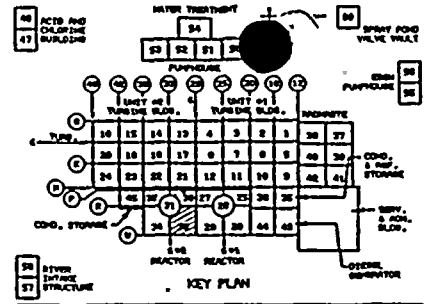
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201387 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HBD-286-1-H

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	858'-9"	845'-9"	849'-9"	877'-9"		
2	878'-9"	878'-9"	882'-9"	877'-9"	795'-9"	878'-9"
3	888'-9"	893'-9"	878'-9"	718'-9"	719'-1"	888'-9"
4	729'-9"	718'-9"	881'-9"		736'-11 1/2"	714'-9"
5	792'-9"	744'-1"			752'-2 1/2"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					781'-1"	771'-9"
14					808'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2153 (F.P.C.C)	E-105953
HCC-201-G (REV. 5)	
FCI-PSI-21020 SH. 2	
M-33-G	E-106183 SH. 6
M-33-7	E-106183 SH. 7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HCC-201-6-H

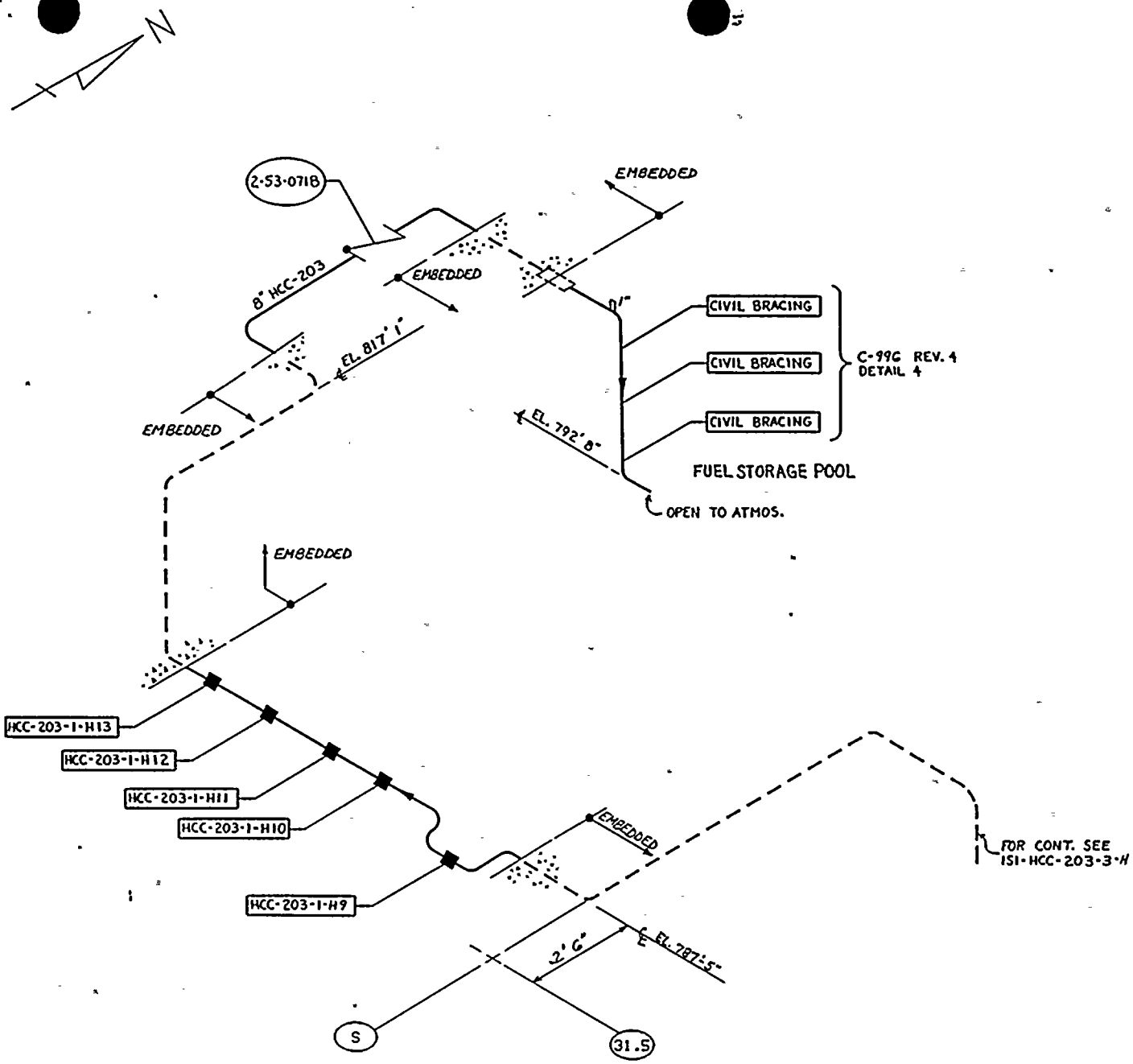
AREA 33 | ELEV. 779'-1" | SCALE- NONE

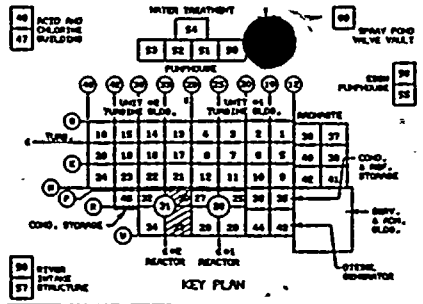
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201391 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HCC-201-6-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DIESEL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	998'-9"	995'-9"	999'-9"	999'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	794'-9"	979'-9"
3	886'-9"	882'-9"	979'-9"	719'-9"	719'-1"	886'-9"
4	739'-9"	719'-9"	882'-9"		739'-11½"	719'-9"
5	782'-9"	749'-1"			782'-1½"	739'-9"
6	719'-9"	779'-1"			779'-1"	749'-9"
7		810'-1"				754'-9"
12					791'-1"	771'-9"
14					898'-9"	782'-9"
19		798'-1"				898'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2153 (FPC&C)	E-105953
HCC-203-1 (REV. 5)	
FCI-P51-21020 SH.1	
M-30-6	E-106180 SH.6
M-30-7	E-106180 SH.7
M-30-16	E-106180 SH.16
M-33-16	E-106183 SH.16
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE.	CEP	TJ	JK	[illegible]	4/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HCC-203-1-H

AREA 30 & 33 | ELEV. 779'-1" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201394	1	0

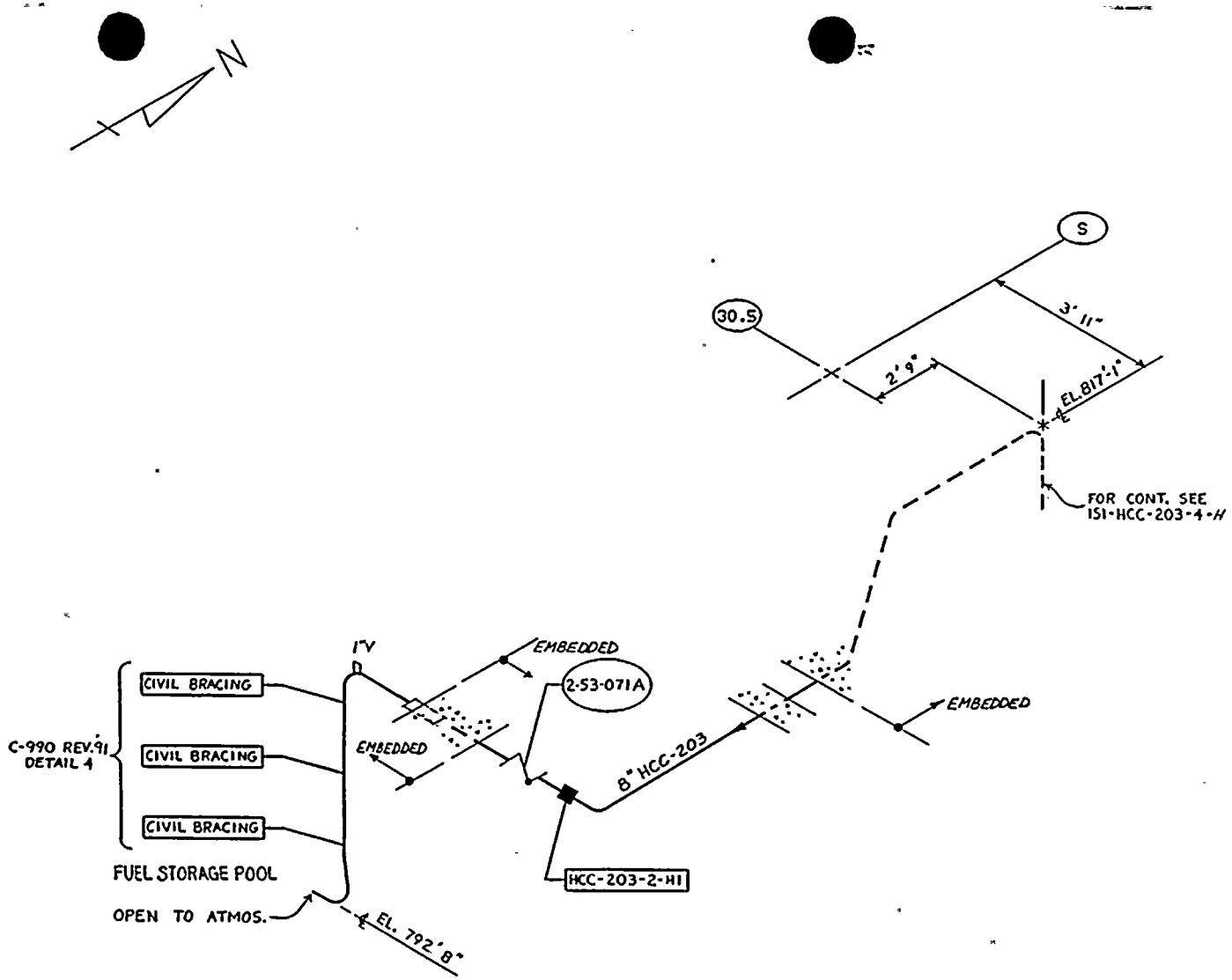
AE DRAWING NO.
ISI-HCC-203-1-H

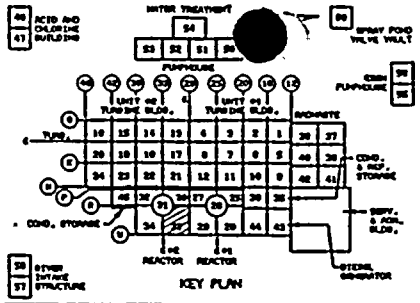
FRACTIONAL 0 1 2 DECIMAL 2 1 0

G 2 Z 2 0 G G G G G G H

LOCATION CODES

SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	AUXILIARY BLDG. EL.	STEAM GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2153 (FPC&C)	E-105953
HCC-203-2 (REV. 4)	
FCI-P51-21020 SH.1	
M-33-6	E-106183 SH.6
M-33-7	E-106183 SH.7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HCC-203-2-H

AREA 33 | ELEV. 779'-1" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201395 | SHEET NO. 1 | REV. NO. 0

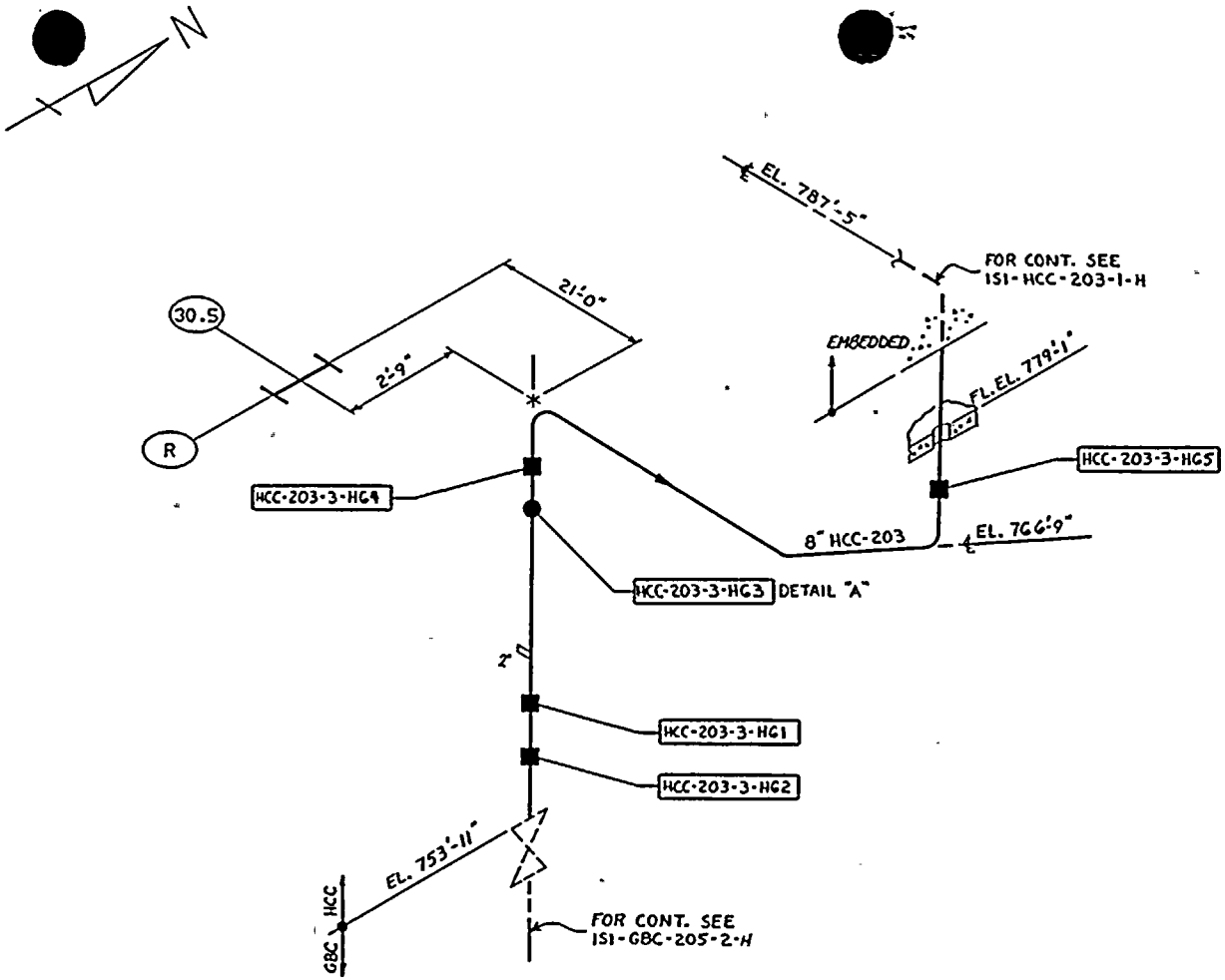
AE DRAWING NO. ISI-HCC-203-2-H

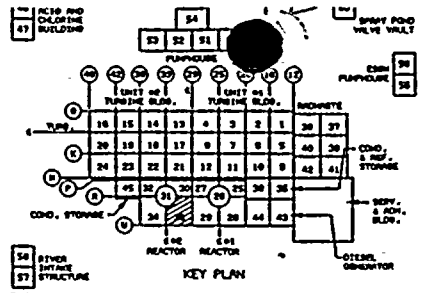
FRACTIONAL DECIMAL

G 2 Z 2 0 | G | G | G | G | H

LOCATION CODES

SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	653'-9"	695'-9"	699'-9"	699'-9"		
2	679'-9"	679'-9"	699'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	693'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	729'-9"	719'-9"	693'-9"		729'-11 1/2"	719'-9"
5	752'-9"	749'-1"			752'-2 1/2"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2153 (FPC4C)	E-105953
HCC-203-3 (REV. 1)	
FCI-P51-21018	
M-33-5	E-10G183 SH.5
M-33-6	E-10G183 SH.6
M-33-16	E-10G183 SH.16
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	CDM	FD	SK	4/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

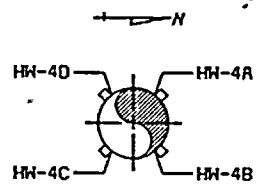
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HCC-203-3-H

AREA 33 | ELEV. 749'-1" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

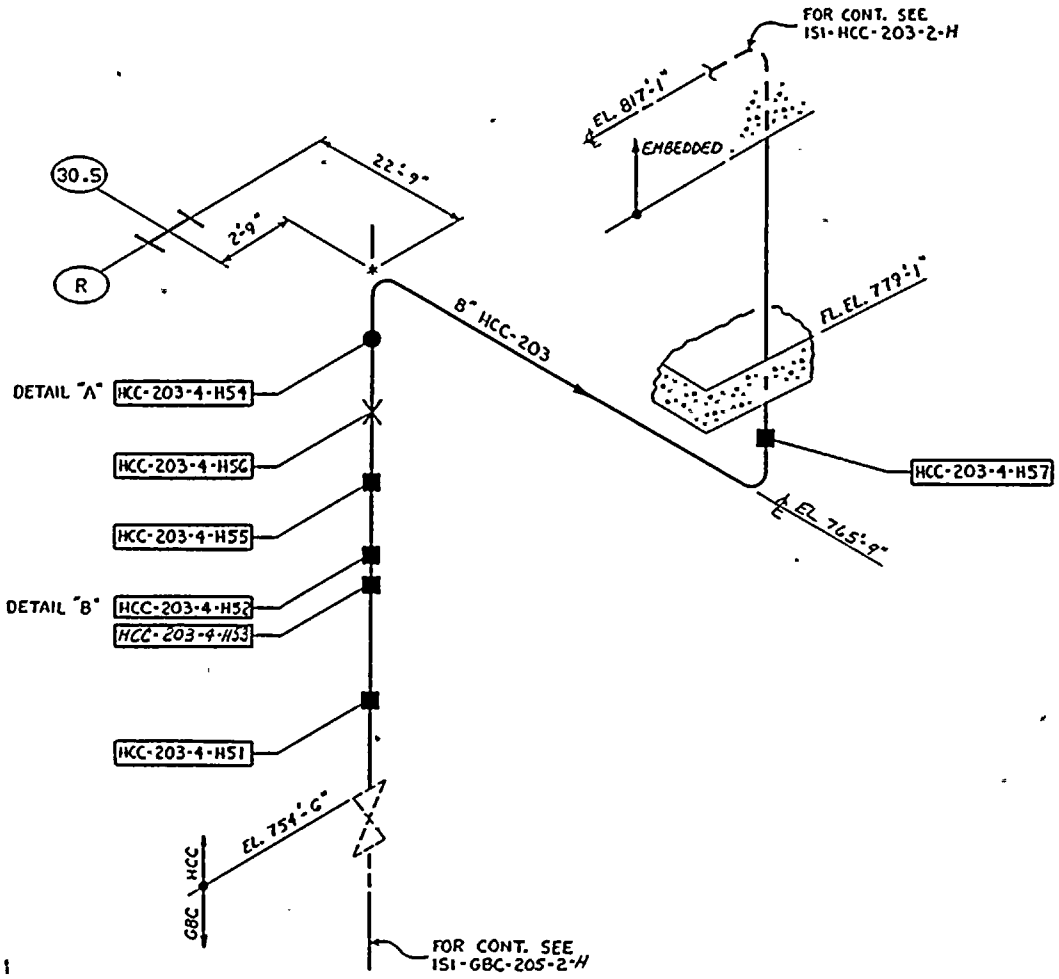
PP&L DRAWING NO. C-201396 | SHEET NO. 1 | REV. NO. 0

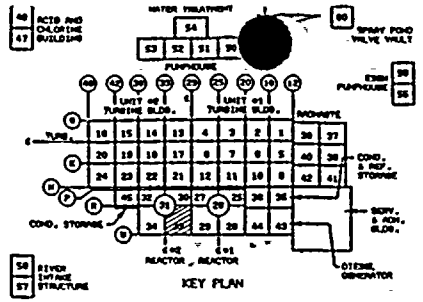
AE DRAWING NO. ISI-HCC-203-3-H



DETAIL "A"
HANGER H-63

FRACTIONAL DECIMAL G2Z20 G G G G M LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	994'-9"	995'-9"	844'-9"	990'-9"		
2	679'-9"	679'-9"	690'-9"	677'-9"	704'-9"	679'-9"
3	699'-9"	952'-9"	679'-9"	719'-9"	719'-1"	699'-9"
4	729'-9"	719'-9"	991'-9"		726'-11½"	714'-9"
5	752'-9"	749'-1"			752'-7½"	729'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		919'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2153 (FPC 4C)	E-105953
HCC-203-4 (REV. 1)	
FCI-P51-21018	
M-33-5	E-106183 SH. 5
M-33-6	E-106183 SH 6
M-33-7	E-106183 SH. 7
M-33-16	E-106183 SH. 16
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	CB	[illegible]	[illegible]	5/86

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

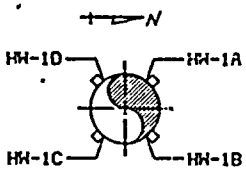
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HCC-203-4-H

AREA 33 | ELEV. 749'-1" | SCALE- NONE

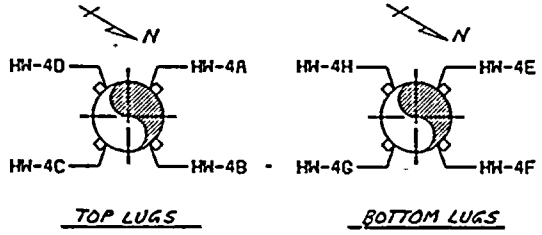
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201397 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HCC-203-4-H

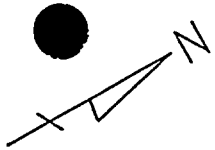


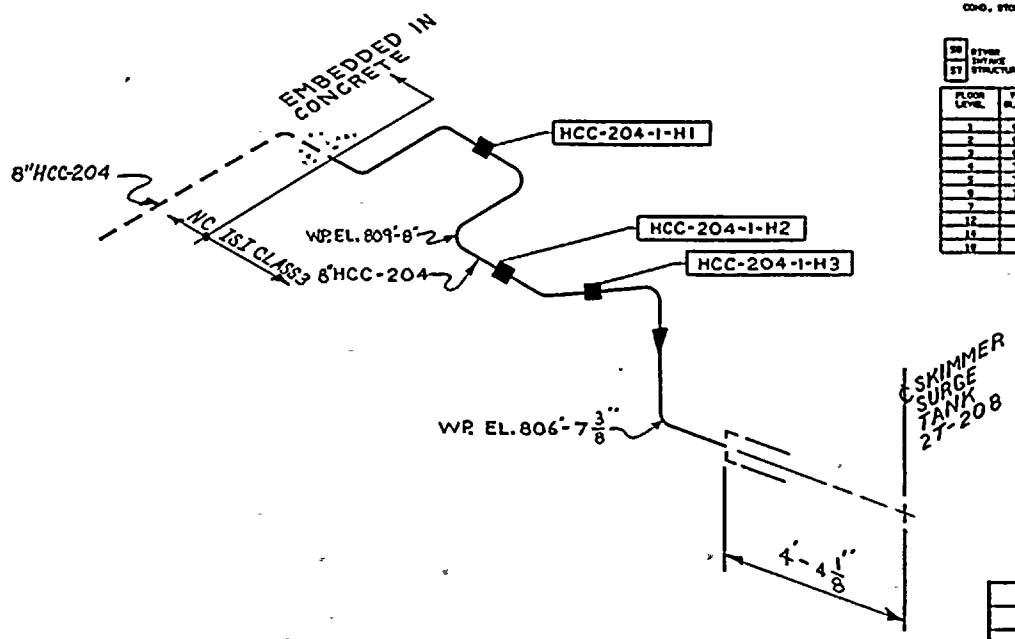
DETAIL "A"
HANGER H-54

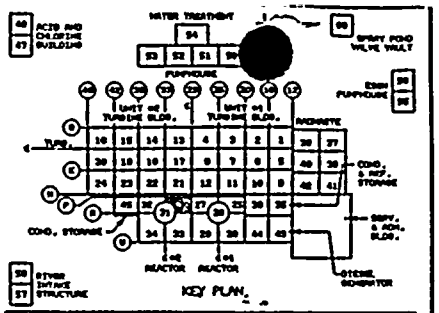


DETAIL "B"
HANGER H-52

FRACTIONAL DECIMAL G 2 Z 2 0 LOCATION CODES H SORTS







FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MAGNETITE BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-9"	995'-9"	999'-9"	999'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	794'-9"	979'-9"
3	999'-9"	993'-9"	979'-9"	718'-9"	718'-1"	999'-9"
4	779'-9"	718'-9"	991'-9"		779'-11 1/2"	714'-9"
5	757'-9"	749'-1"			757'-2 1/2"	759'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		719'-1"				754'-9"
12					731'-1"	771'-9"
14					808'-9"	797'-9"
16		799'-1"				809'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FC1-P51-21017	
HCC-204-1(REV.3)	
M-2153 (F.P.C.)	E-105953
M-30-7	E-106180 SHT.7
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	PD	JA	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HCC-204-1-H

AREA 30 | ELEV. 779'-1" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

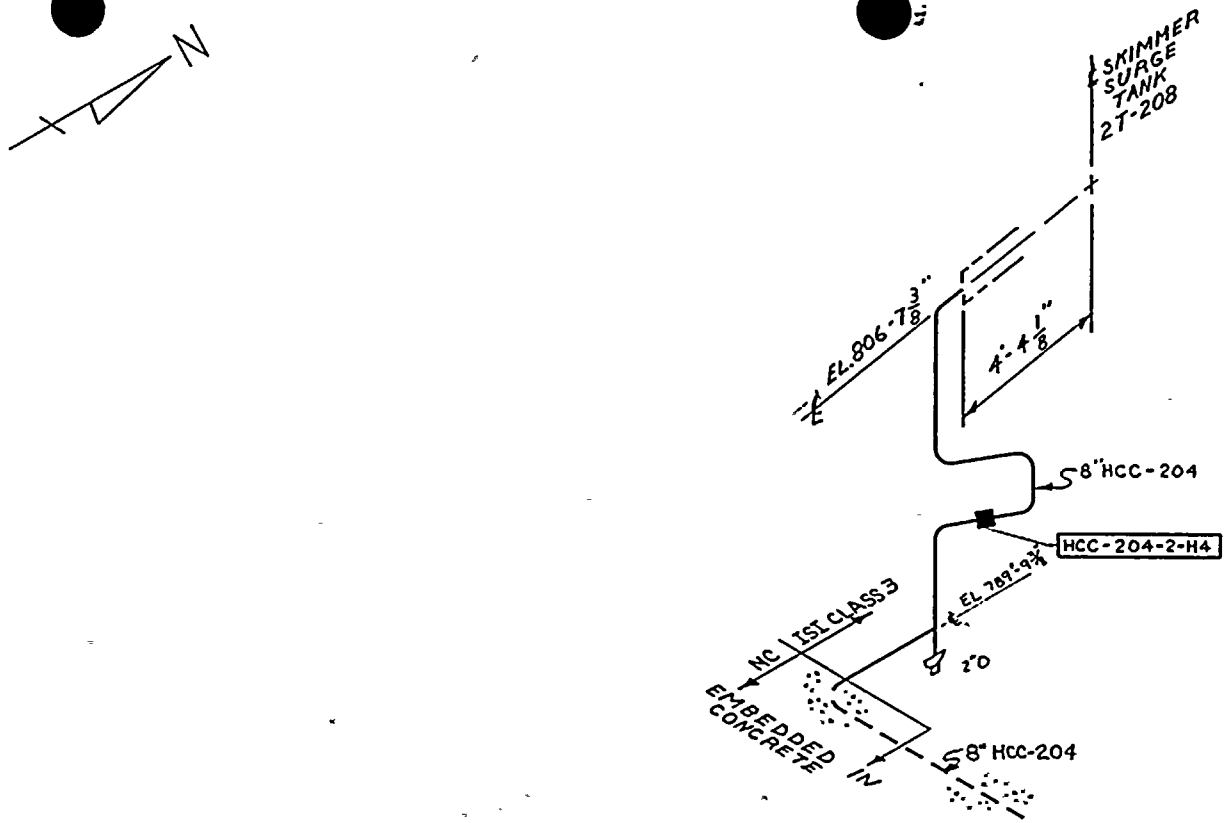
PP&L DRAWING NO. C-201398 | SHEET NO. 1 | REV. NO. 0

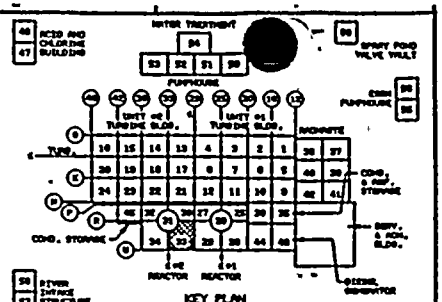
AE DRAWING NO. ISI-HCC-204-1-H

FRACTIONAL DECIMAL

G 2 2 2 0 G G G G G H

LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MAGAZINE BLDG. EL.	SYSTEM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'-9"	999'-9"	999'-9"	999'-9"		
2	979'-9"	979'-9"	999'-9"	977'-9"	793'-9"	979'-9"
3	999'-9"	993'-9"	979'-9"	719'-9"	719'-1"	998'-9"
4	729'-9"	719'-9"	993'-9"		729'-11 1/2"	714'-9"
5	793'-9"	799'-1"			793'-3 1/2"	728'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					898'-9"	793'-9"
19		799'-1"				999'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-21017	
HCC-204-2 (REV. 3)	
M-2153 (F.P.C.)	E-105953
M-33-7	E-106183 SHT. 7
M-33-16	E-106183 SHT. 16
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE....	BA	TD	[illegible]	10-11-84

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-HCC-204-2-H

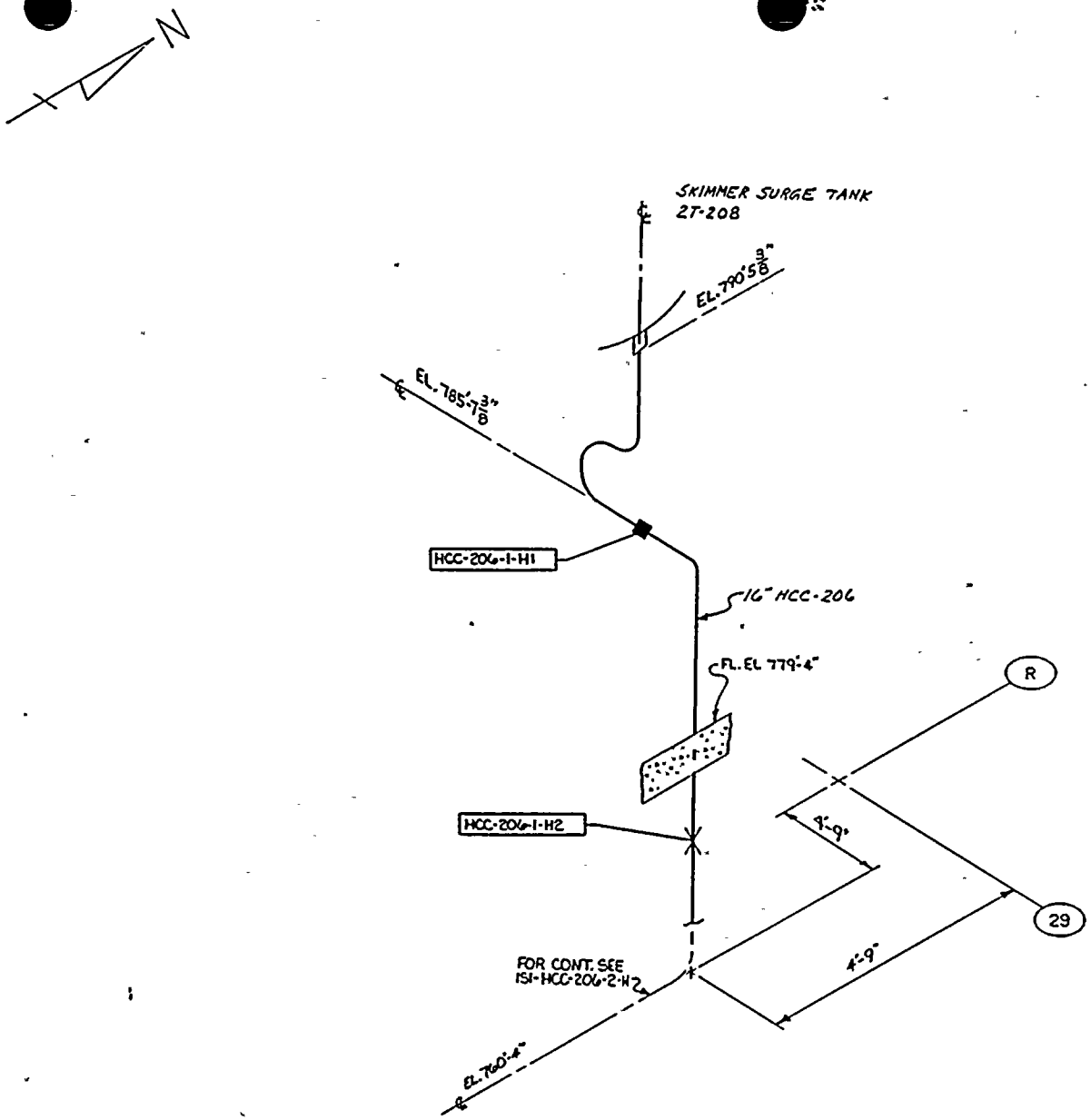
AREA 33 | ELEV. 779'-1" | SCALE- NONE

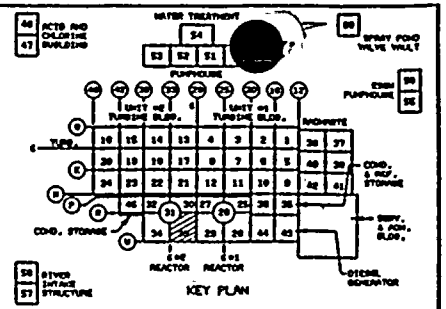
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201399 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HCC-204-2-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 2 2 0 | G | G | G | G | G | M | LOCATION CODES | SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	DIESEL GENERATOR EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	595'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	718'-0"	719'-1"	699'-0"
4	729'-0"	719'-0"	693'-0"		724'-11½"	719'-0"
5	752'-0"	749'-1"			752'-2½"	729'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					781'-1"	771'-0"
14					809'-0"	792'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-21017	
M-2153 (F.P.C.C.)	E-105953
M-33-6	E 106183 SHT.6
HCC-206-1 (REV.3)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HCC-206-1-H

AREA 33 | ELEV. 749'-1" | SCALE- NONE

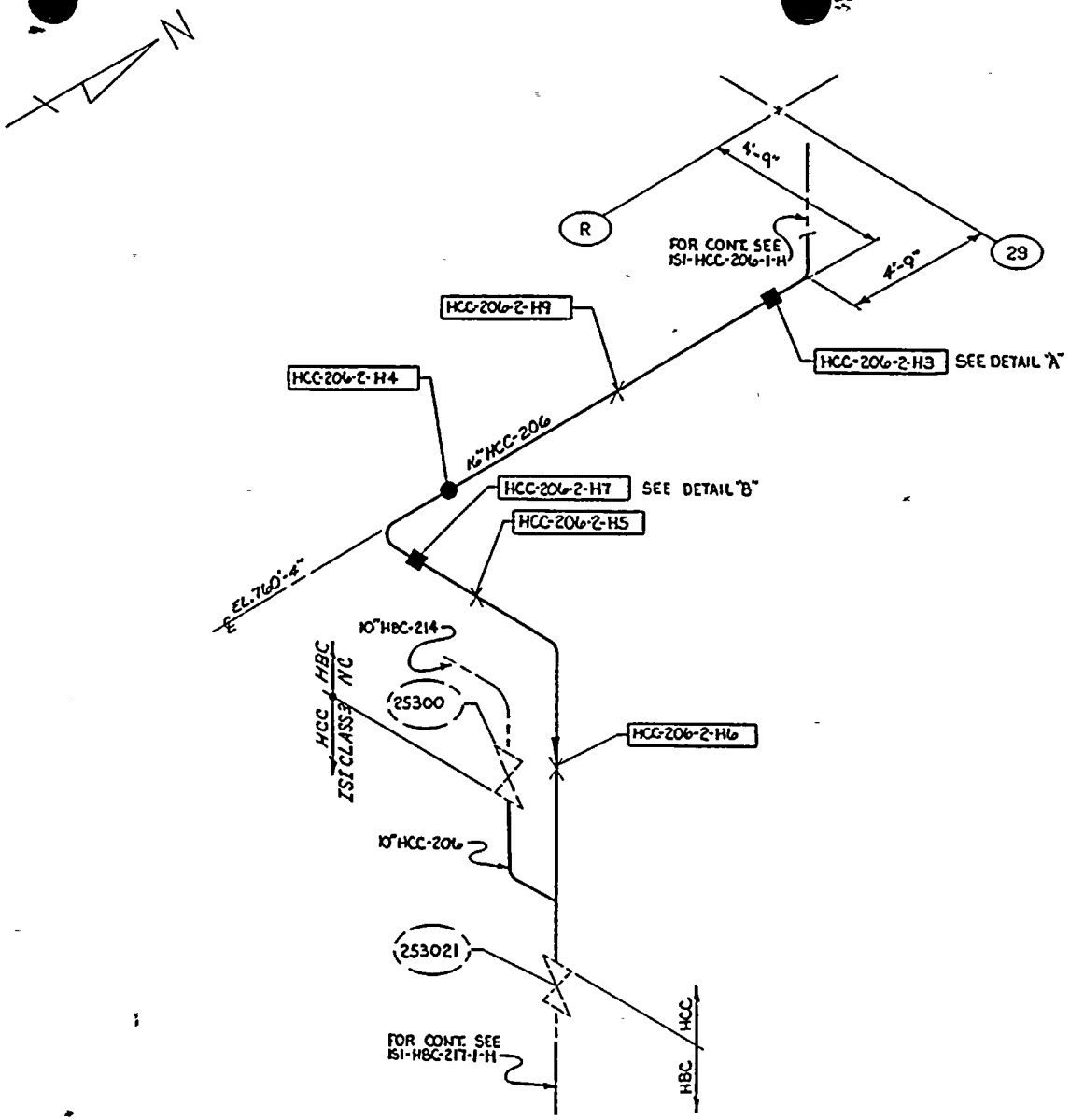
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

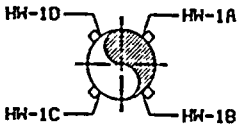
PP&L DRAWING NO. G-201400 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HCC-206-1-H

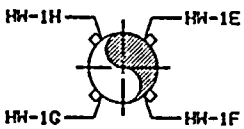
FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 Z 2 0 | G | G | G | G | LOCATION CODES | M | SORTS



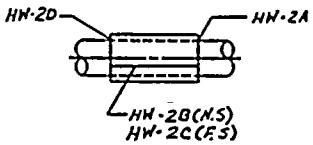


LOOKING SOUTH
NORTH SIDE

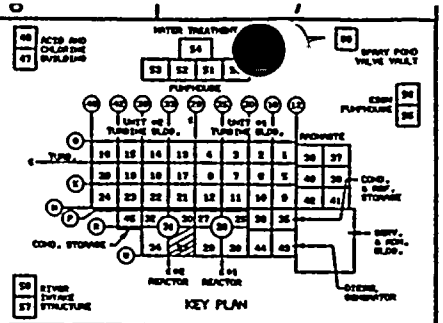


LOOKING NORTH
SOUTH SIDE

DETAIL "A"
HANGER H-3



DETAIL "B"
HANGER H-7



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	AUXILIARY BLDG. EL.	STEAM GENERATOR EL.	SPENT FUEL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	688'-0"	645'-0"	645'-0"	688'-0"		
2	675'-0"	675'-0"	688'-0"	677'-0"	704'-0"	675'-0"
3	688'-0"	691'-0"	675'-0"	719'-0"	719'-1"	688'-0"
4	722'-0"	719'-0"	691'-0"		726'-11 1/4"	719'-0"
5	732'-0"	749'-1"			732'-11 1/4"	722'-0"
6	739'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	793'-0"
19		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-21017	
M-2153 (F.P.C.C.)	E-105953
M-33-5	E 106183 SHT. 5
HCC-206-2 (REV 1)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HCC-206-2-H

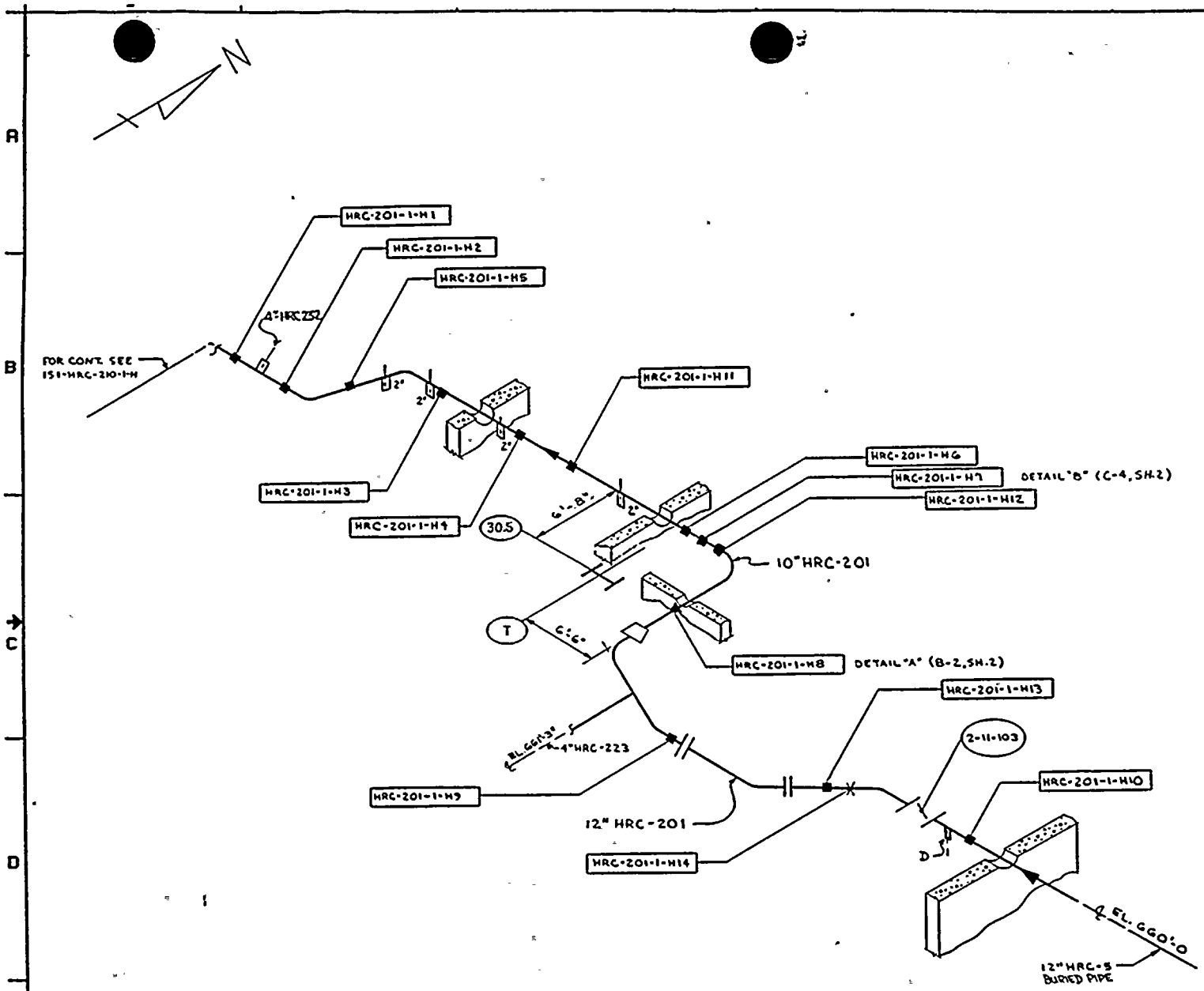
AREA 33 | ELEV. 749'-1" | SCALE- NONE

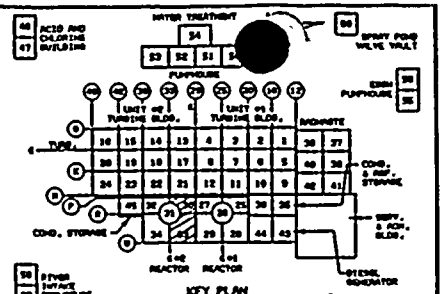
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201401 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HCC-206-2-H

G 2 2 2 0 G G G G M





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	SWITCHYARD BLDG. EL.	DIESEL GENERATOR EL.	CRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	598'-0"	595'-0"	595'-0"	599'-0"		
2	679'-0"	679'-0"	599'-0"	677'-0"	701'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	718'-0"	713'-1"	699'-0"
4	729'-0"	718'-0"	691'-0"		728'-11 1/2"	714'-0"
5	739'-0"	749'-1"			738'-2 1/2"	729'-0"
6	754'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	793'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

HRC-201-1 (REV.7)	
FCI-PSI-2321	
FCI-PSI-2919	
M-211 (E.S.W.) —	E-162639
M-30-1	E-106180 SH.1
M-33-1 ...	E-106183 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
1	REDRAWN FOR UNIT 2				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

ISI-HRC-201-1-H

AREA 30/33 | ELEV. 660'-0 | SCALE- NONE

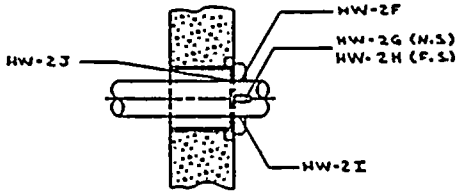
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO. C-194529 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-HRC-201-1-H

0 1 2 FRACTIONAL 2 1 0 DECIMAL

G 2 2 2 0 - G LOCATION CODES G G G M SORTS

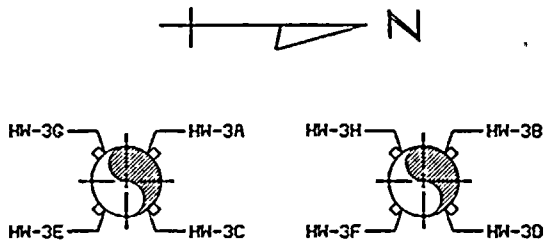


LOOKING EAST

DETAIL "A"

(C-3, SH.1)

HANGER-8



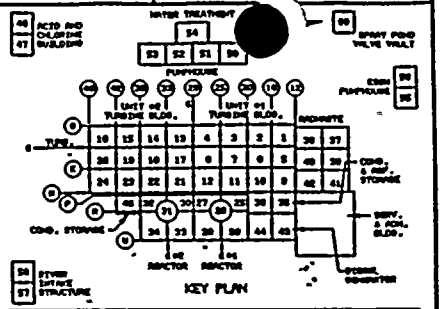
NEAR SIDE

FAR SIDE

HANGER-7

DETAIL "B"

(B-5, SH.1)



KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	AUXILIARY BLDG. EL.	DIESEL GENERATOR EL.	SPHERICAL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	REDRAWN FOR UNIT 2	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-201-1-H

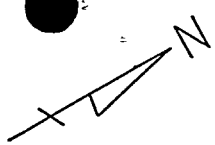
AREA- | ELEV. | SCALE- NONE

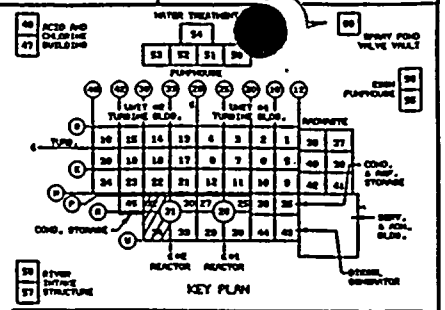
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-194529. | SHEET NO. 2 | REV. NO. 0

AE DRAWING NO. ISI-HRC-201-1-H

G2Z20

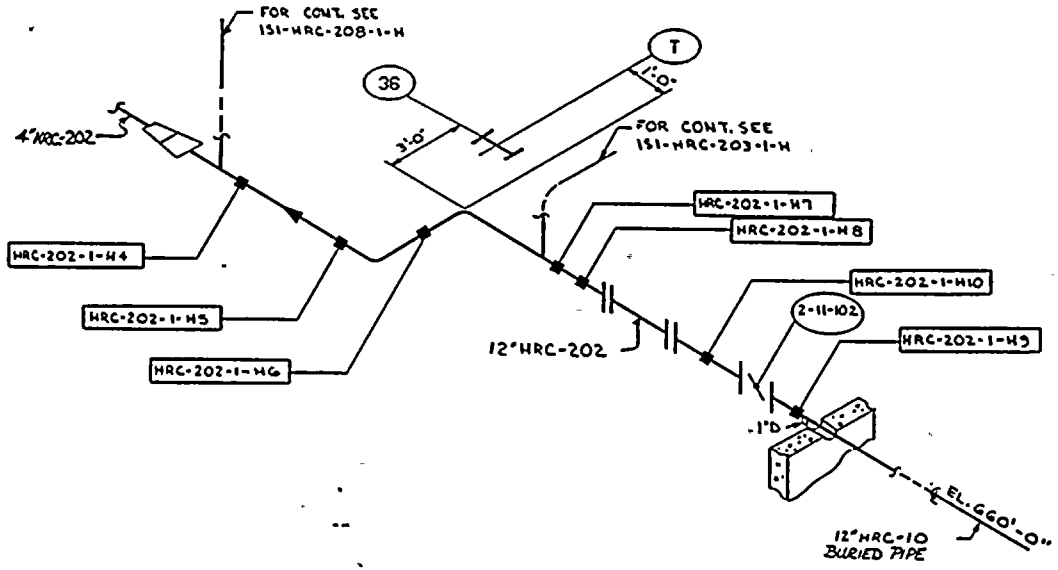




FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	699'-0"	699'-0"	699'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	697'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	729'-0"	719'-0"	691'-0"		729'-11 1/4"	719'-0"
5	741'-0"	749'-1"			741'-11 1/4"	729'-0"
6	719'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
13					808'-0"	789'-0"
14		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR



HRC-202-1(REV.4)	
HRC-202-1 (REV-4)	
FCI-PSI-2929	
M-2111 (E.S.W.)	E-162639
M-34-1	E-106184
M-32-1	E-106182
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
1	REDRAWN FOR UNIT 2	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC HANGER IDENTIFICATION

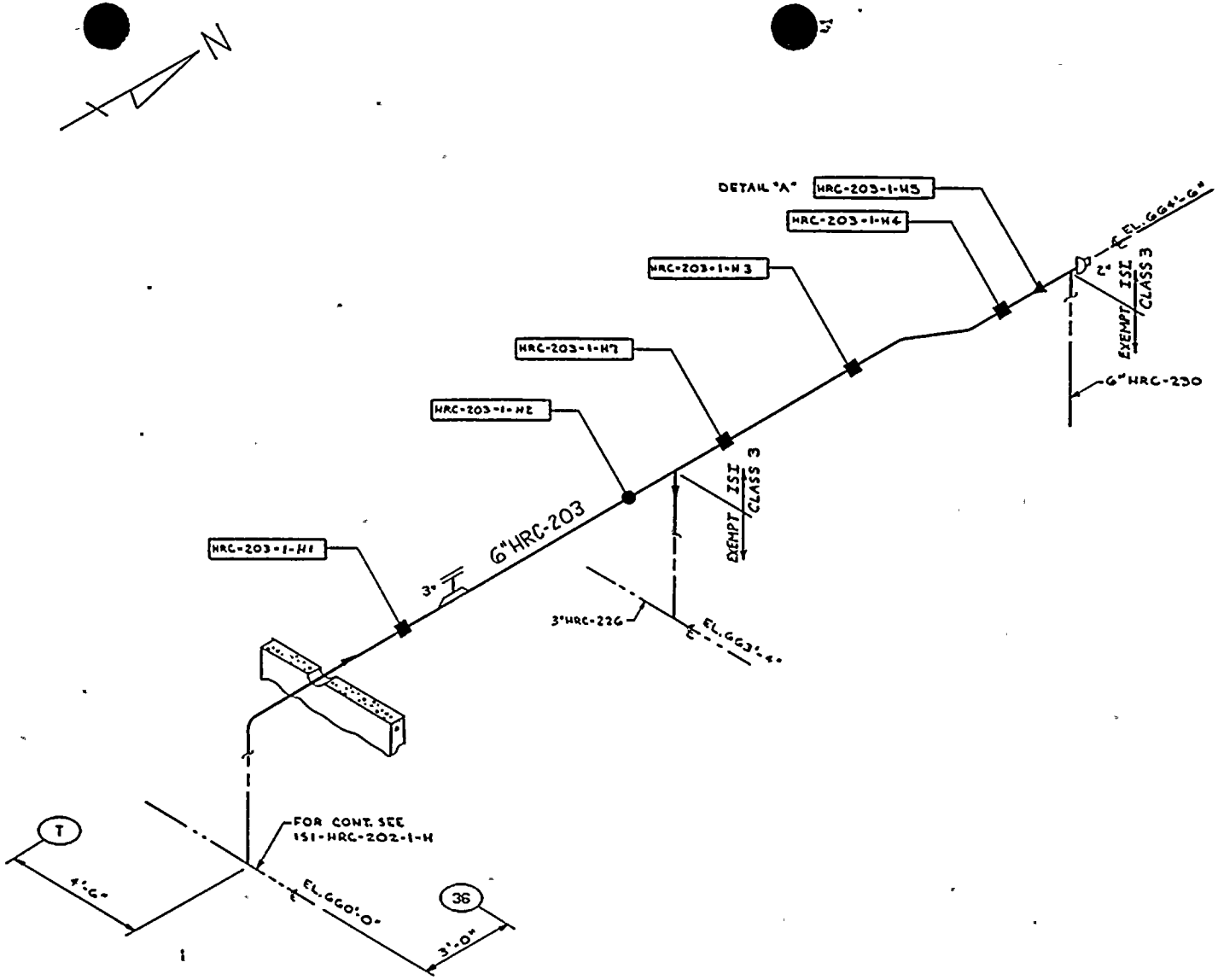
ISI-HRC-202-1-H

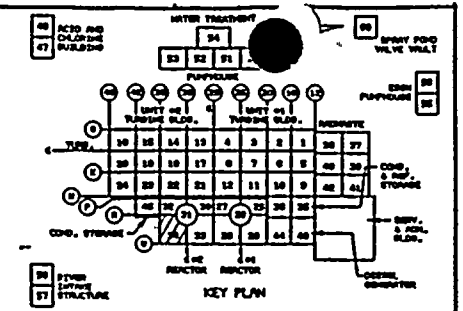
AREA-32/34 | ELEV: 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-194530	1	1

AE DRAWING NO. ISI-HRC-202-1-H

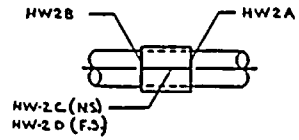




FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	OUTWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR



LOOKING WEST

DETAIL "A"

HANGER 5

HRC-203-1 (REV. 5)	
FCI-PSI-2930	
M-2111 (E.S.W.)	E-162639
M-34-1	E-106184 SH. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-203-1-H

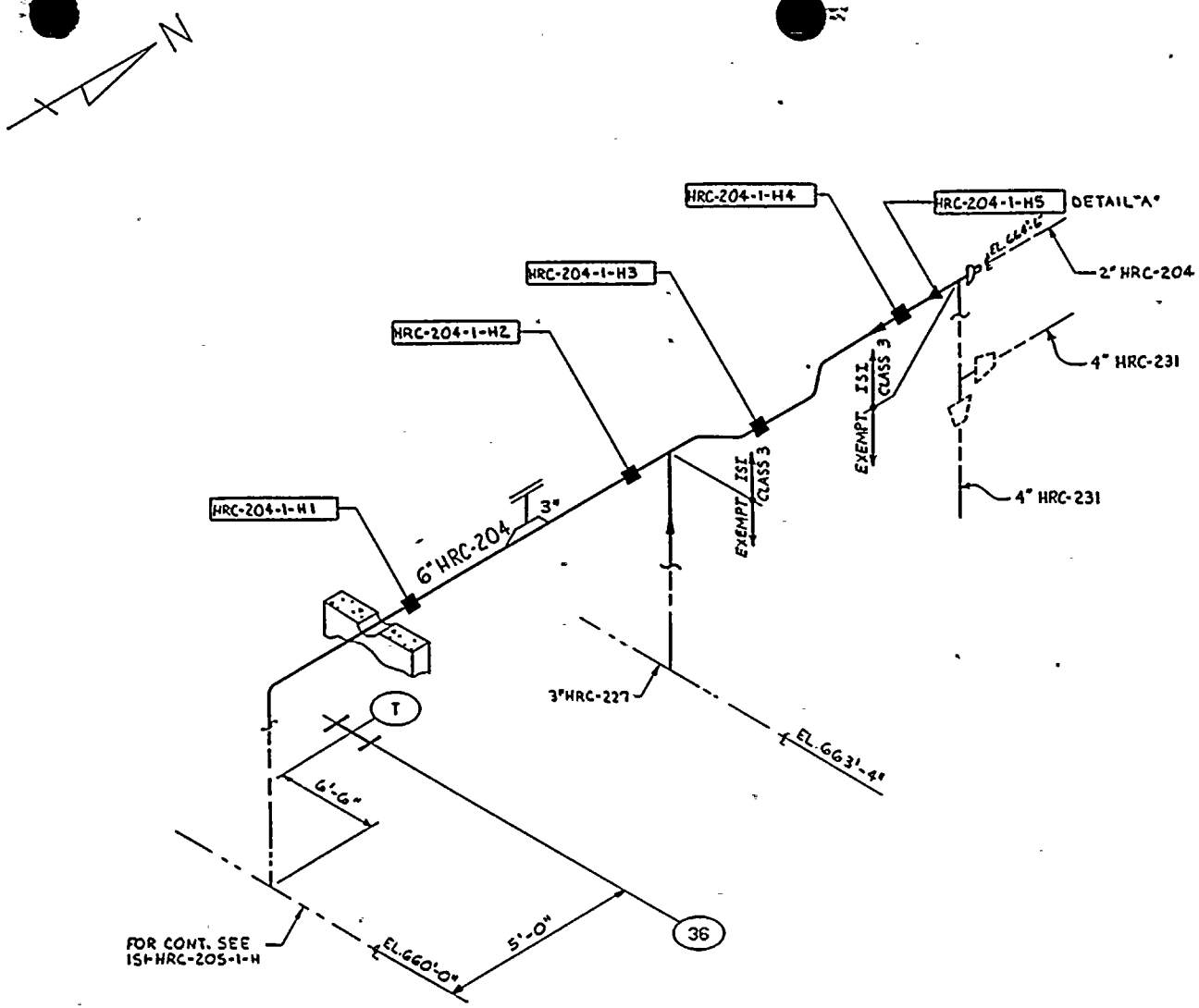
AREA-34 | ELEV. 645'-0" | SCALE- NONE

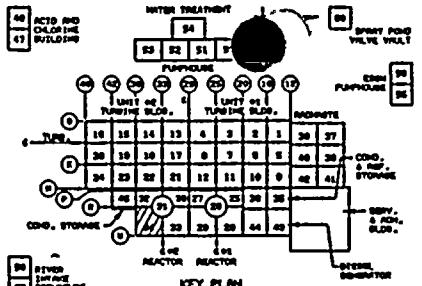
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201404 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HRC-203-1-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | G | G | G | G | G | M | LOCATION CODES | SORTS

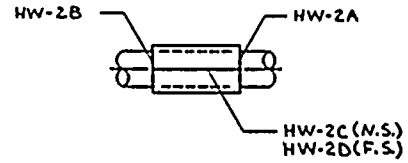




FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	599'-0"	599'-0"	599'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	697'-0"	679'-0"	719'-0"	719'-1"	699'-0"
4	719'-0"	719'-0"	691'-0"		739'-11 1/2"	719'-0"
5	732'-0"	739'-1"			752'-7 1/2"	739'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					791'-1"	771'-0"
16					809'-0"	792'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR



DETAIL "A"
HANGER H5

HRC-204-1 (REV. 4)	
FCI-PSI-2934	
M-2111 (E.S.W.)	E-162639
M-34-1	E-160184 SH. 1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC.
HANGER IDENTIFICATION
ISI-HRC-204-1-H

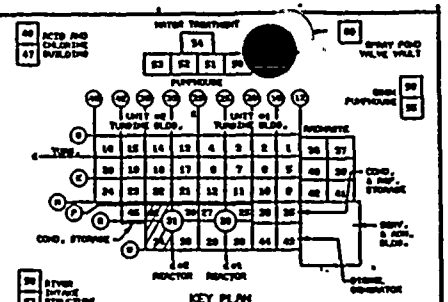
AREA - 34 | ELEV. 645'-0" | SCALE - NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

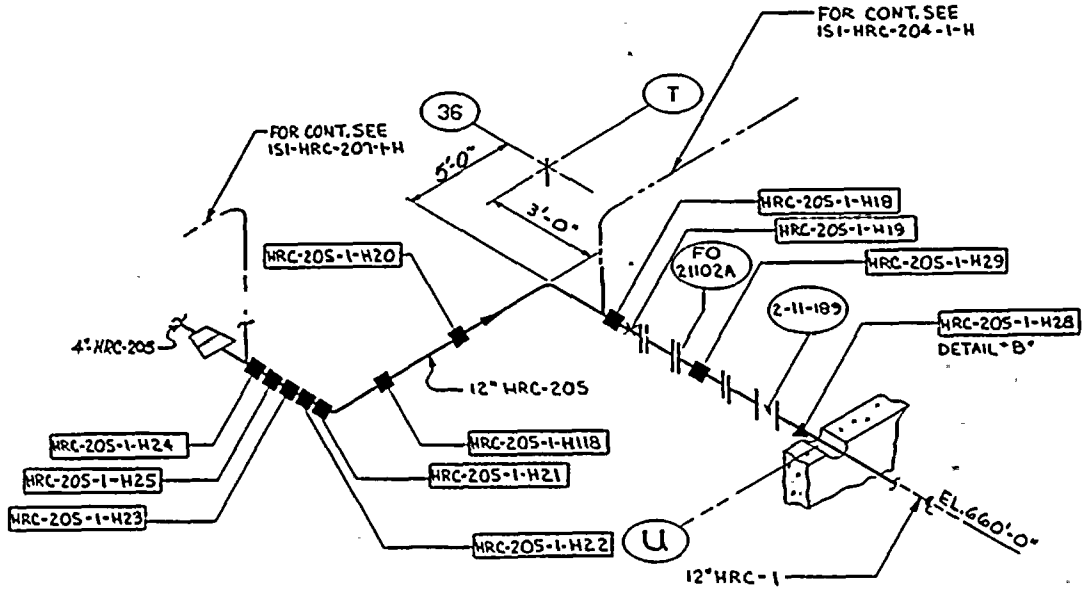
PP&L DRAWING NO. C-201405 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HRC-204-1-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | G | G | G | G | H | LOCATION CODES | SORTS

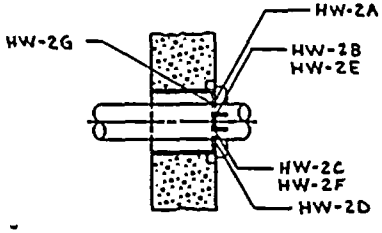


FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	SPHERICAL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]



HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR



LOOKING SOUTH

DETAIL "B"
HANGER 28

HRC-205-1 (REV. 8)	
FCI-PSI-2936	
FCI-PSI-2933	
M-211 (E.S.W.)	E-162183
M-34-1	E-106184 SH.1
M-32-1	E-106182 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
1	REDRAWN FOR UNIT 2	[illegible]	TWD	SA	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-205-1-H

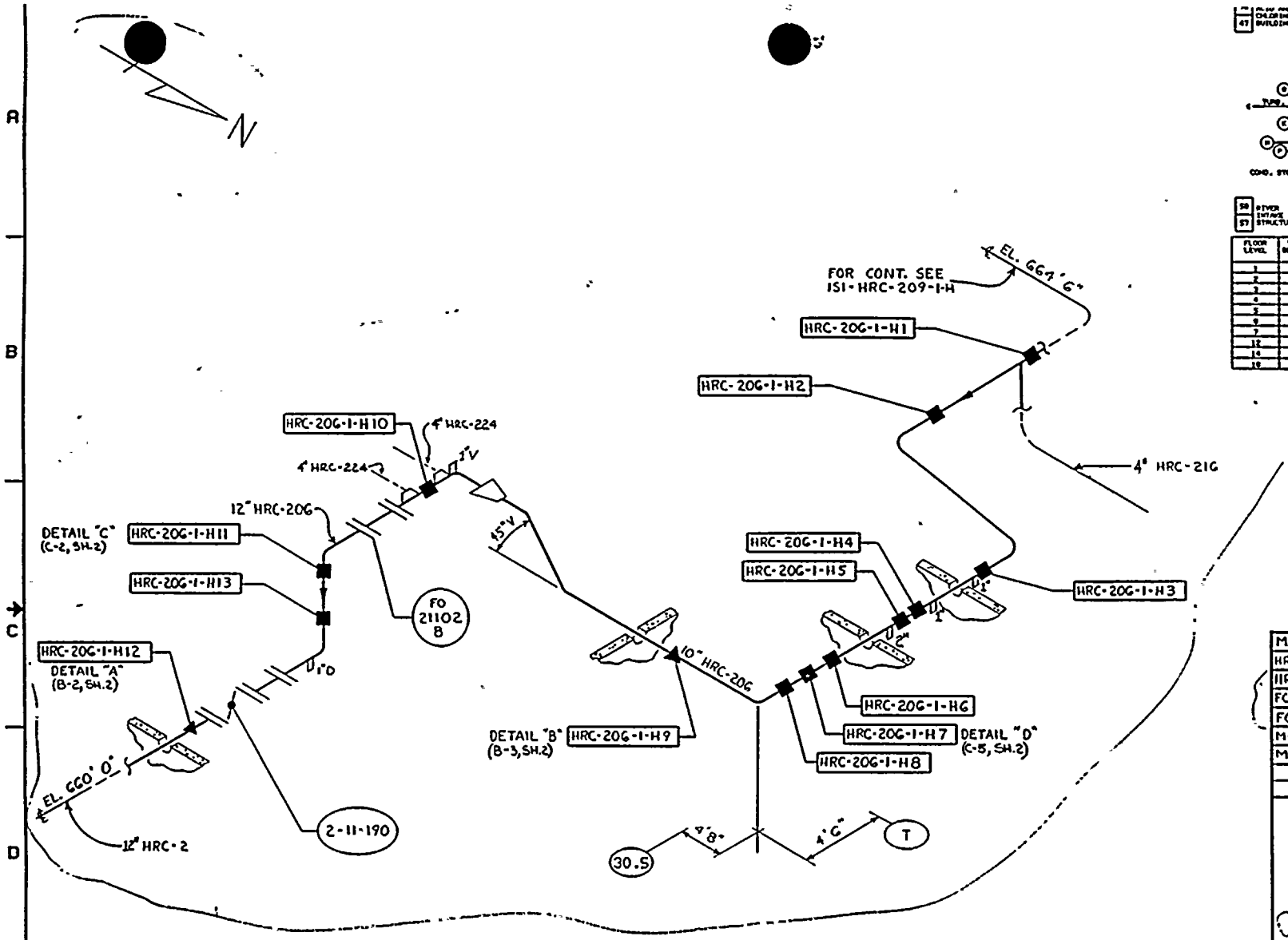
AREA 32/34 | ELEV 645'-0 | SCALE- NONE

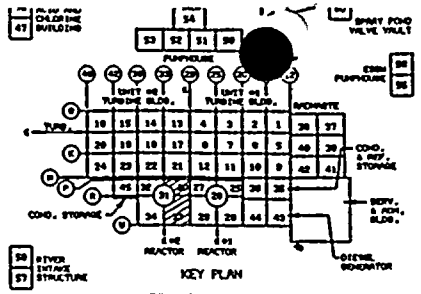
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-194531 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-HRC-205-1-H

FRACTIONAL DECIMAL LOCATION CODES





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	SWGEARATE BLDG. EL.	DIESEL GENERATOR EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-0"	645'-0"	649'-0"	660'-0"		
2	676'-0"	676'-0"	660'-0"	677'-0"	704'-0"	676'-0"
3	695'-0"	695'-0"	676'-0"	710'-0"	719'-1"	695'-0"
4	720'-0"	719'-0"	695'-0"		729'-11 1/2"	719'-0"
5	732'-0"	734'-1"			732'-2 1/2"	720'-0"
6	719'-0"	739'-1"			739'-1"	741'-0"
7		919'-1"				754'-0"
12					781'-1"	771'-0"
14					808'-0"	793'-0"
16		799'-1"				808'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2111 (ESW)	E-162640
HRC-206-1 SH.1 (REV.10)	
HRC-206-1 SH.2 (REV.0)	\
FCI-P51-2924	/
FCI-P51-2926	/
M-30-1	E-106180 SH.1
M-33-1	E-106183 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
1	REV. TO INCORP. UNIT 2 ISI. PROGRAM	CDH	RD	JH	1/10/83

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-206-1-H

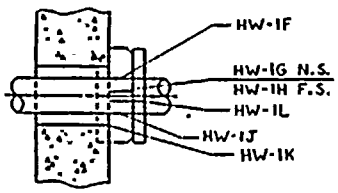
AREA 30 & 33 | ELEV. 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

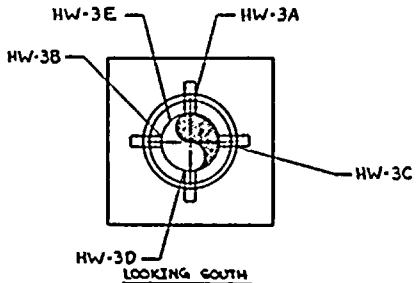
PP&L DRAWING NO. C-194532 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-HRC-206-1-H

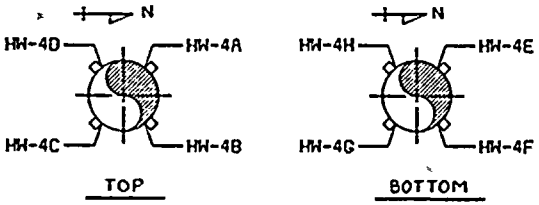
FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS



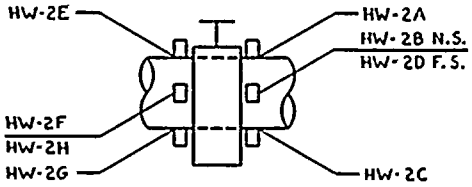
DETAIL "A"
(C-1, SH.1)
HANGER 12



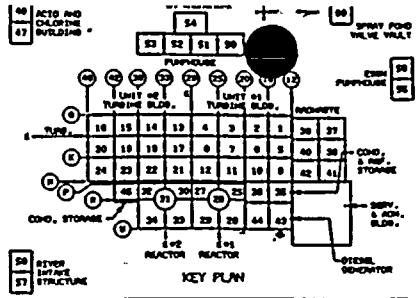
LOOKING SOUTH
DETAIL "B"
(C-3, SH.1)
HANGER 9



DETAIL "C"
(C-1, SH.1)
HANGER 11



LOOKING NORTH
DETAIL "D"
(D-5, SH.1)
HANGER 7



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR BLDG. EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	999'0"	949'0"	949'0"	999'0"		
2	676'0"	676'0"	999'0"	972'0"	749'0"	676'0"
3	999'0"	999'0"	676'0"	719'0"	719'1"	999'0"
4	772'0"	719'0"	991'0"		720'11½"	719'0"
5	752'0"	749'1"			752'7½"	772'0"
6	714'0"	772'1"			772'1"	741'0"
7		819'1"				754'0"
12					791'1"	771'0"
14					999'0"	792'0"
19		799'1"				999'0"

AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	REV. TO INCORP. UNIT 2 ISI. PROGRAM	TBM	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-206-1-H

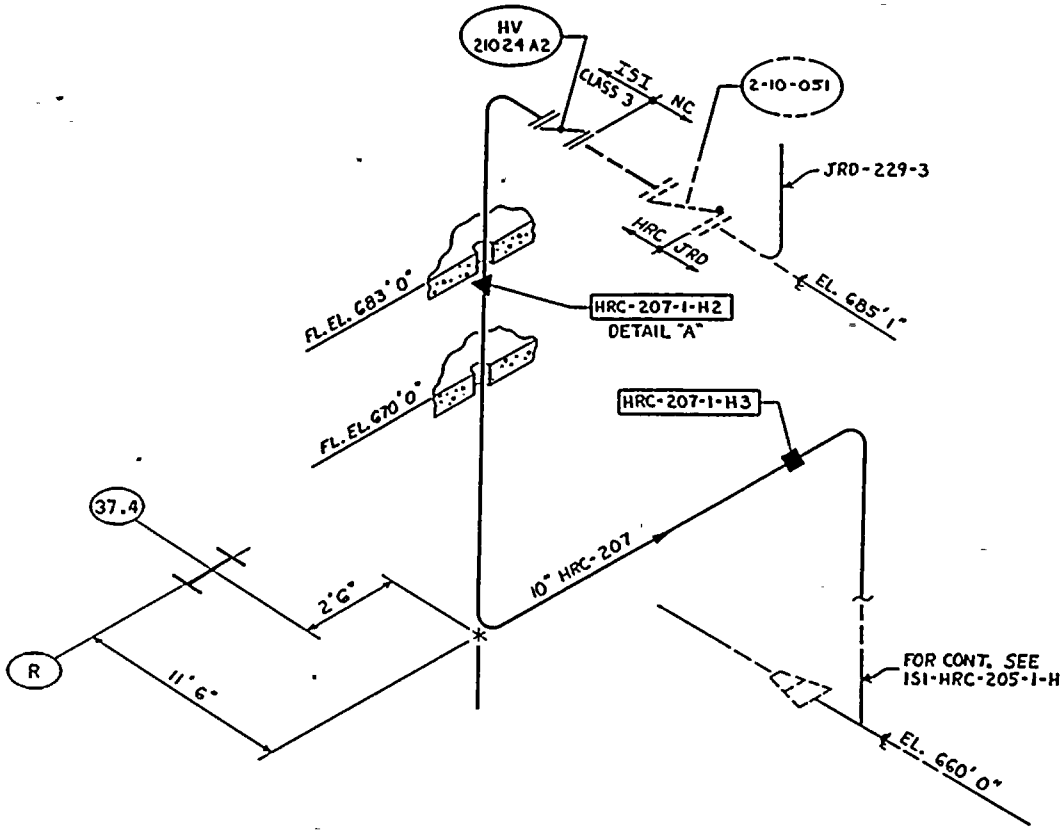
AREA	ELEV.	SCALE- NONE

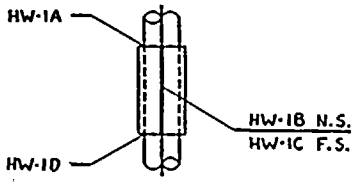
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-194532	2	0

AE DRAWING NO.
ISI-HRC-206-1-H

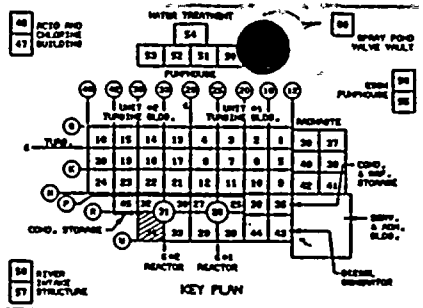
FRACTIONAL DECIMAL LOCATION CODES SORTS





LOOKING WEST

DETAIL "A"
HANGER 2



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2111 (ESW)	E-1G2G40
M-2110 (ESW)	E-1G2G39
HRC-207-1 (REV. 3)	
M-34-1	E-10G184 SH.1
M-34-2	E-10G184 SH.2
M-34-3	E-10G184 SH.3
FCI-PSI-2935	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-207-1-H

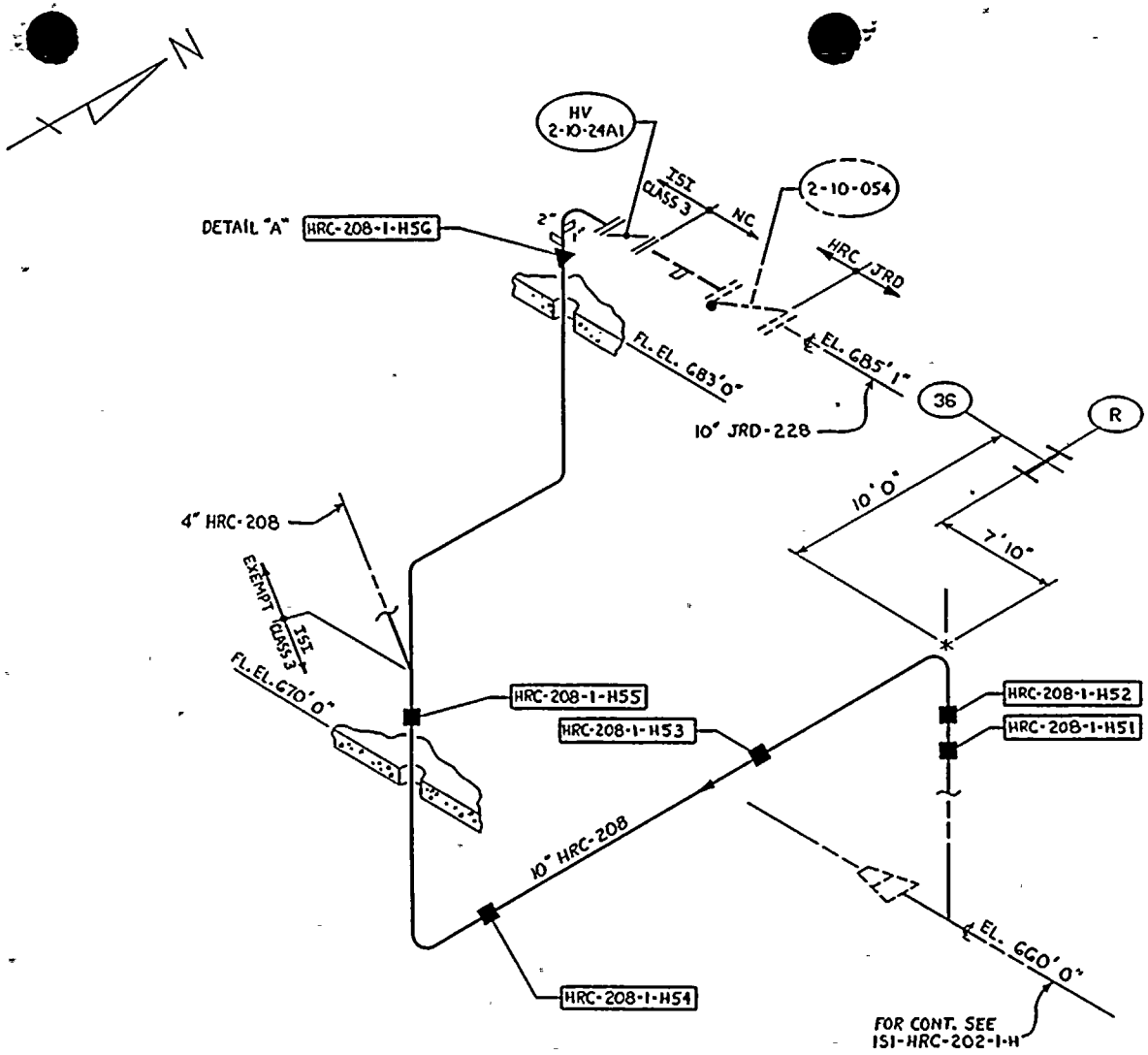
AREA 34 | ELEV. 645'0" | SCALE- NONE

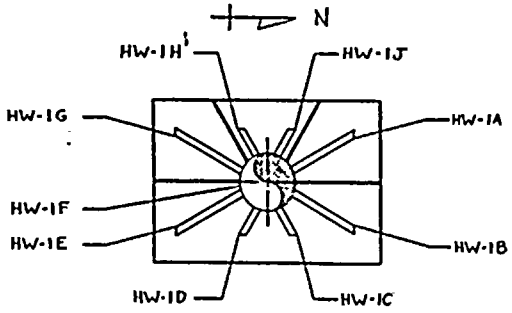
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201408 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HRC-207-1-H

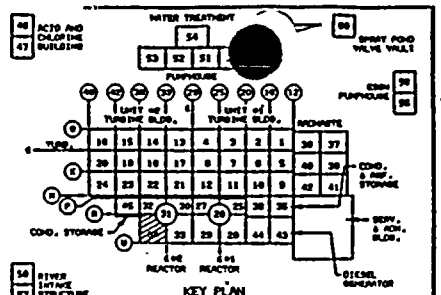
FRACTIONAL DECIMAL G 2 2 2 0 LOCATION CODES SORTS





PLAN

DETAIL "A"
HANGER 5G



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2111 (ESW)	E-1G2G40
M-2110 (ESW)	E-1G2G39
HRC-208-1 (REV. 3)	
FCI-P51-2931	
M-34-1	E-10G184 SH.1
M-34-2	E-10G184 SH.2
M-34-3	E-10G184 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-208-1-H

AREA 34 | ELEV. 645'0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

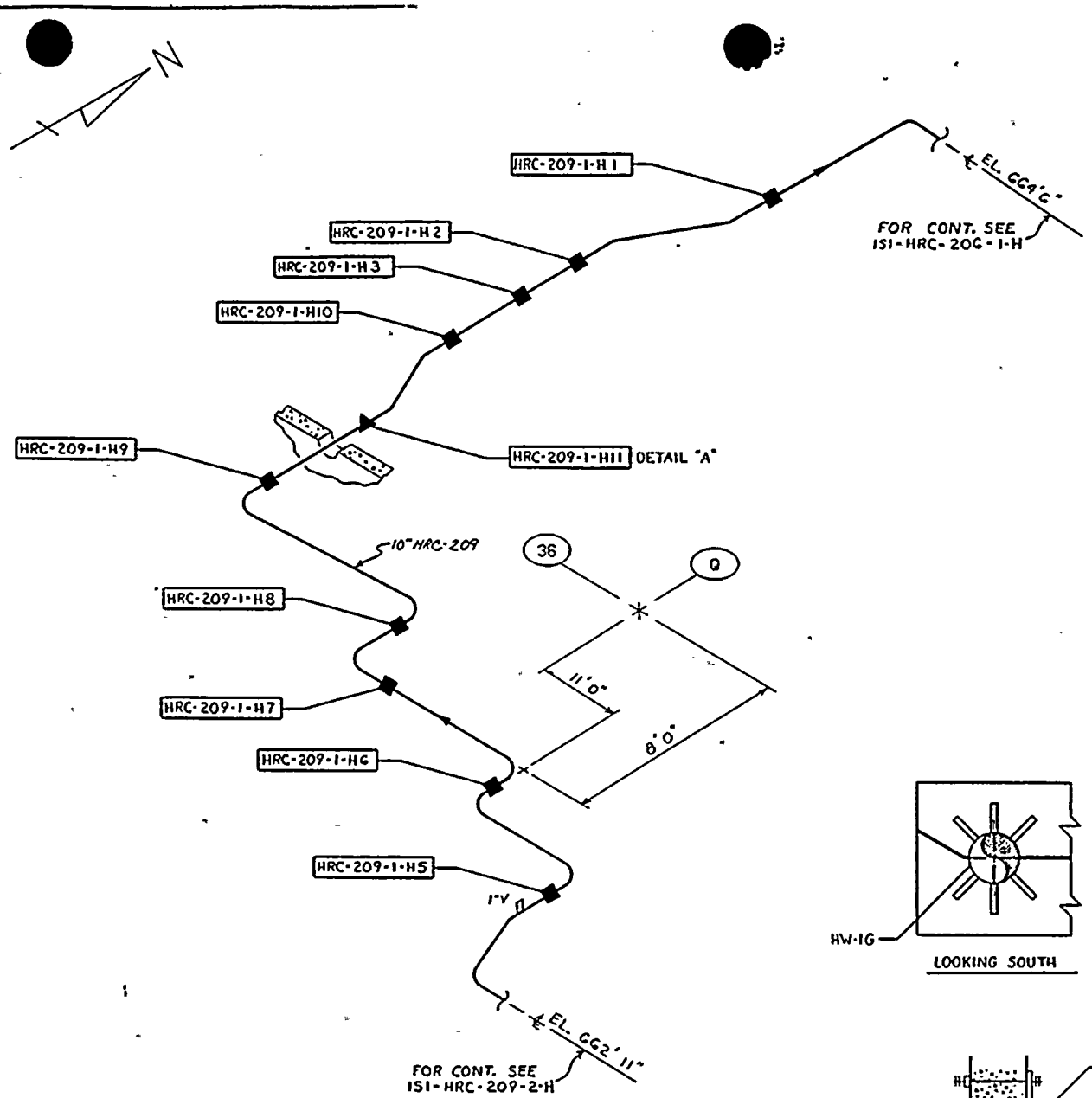
PP&L DRAWING NO. C-201409 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HRC-208-1-H

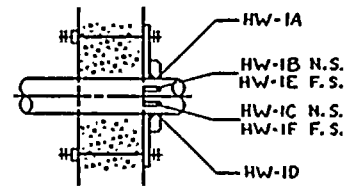
0 1 2 FRACTIONAL 2 1 0 DECIMAL

G 2 2 2 0 | G | G | G | G | M

LOCATION CODES | SORTS

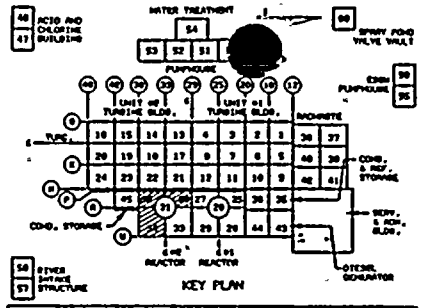


LOOKING SOUTH



LOOKING WEST

DETAIL "A"
HANGER 11



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
18		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

HRC-209-1 (REV. 3)	
M-2110 (ESW)	E-1G2G39
M-2111 (ESW)	E-1G2G40
FCI-P51-2926	
FCI-P51-2927	
M-30-1	E-10G180 SH.1
M-32-1	E-10G182 SH.1
M-34-1	E-10G184 SH.1
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	CDH	PJ	[illegible]	4/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-209-1-H

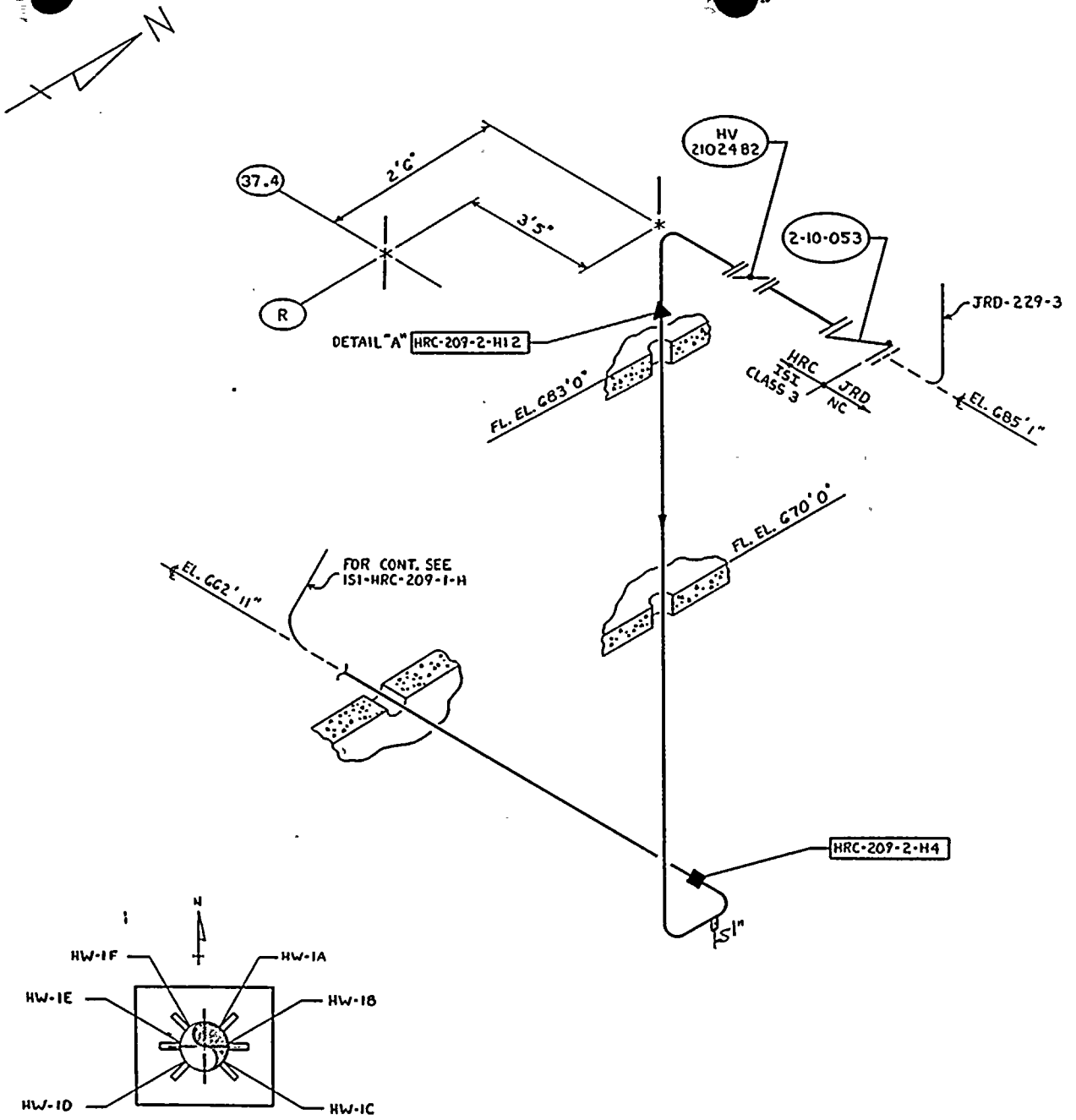
AREA 30,32,34 | ELEV. 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

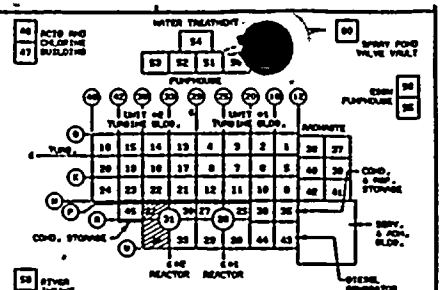
PP&L DRAWING NO. C-201410 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HRC-209-1-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 | G | G | G | G | H | LOCATION CODES | SORTS



DETAIL "A"
HANGER 12



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	DIESEL GENERATOR EL.	OFFSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

HRC-209-2 (REV. 1)	
M-2110 (ESW)	E-162639
M-2111 (ESW)	E-162640
FCI-PSI-2927	
M-32-1	E-106182 SH.1
M-34-1	E-106184 SH.1
M-34-2	E-106184 SH.2
M-34-3	E-106184 SH.3
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-209-2-H

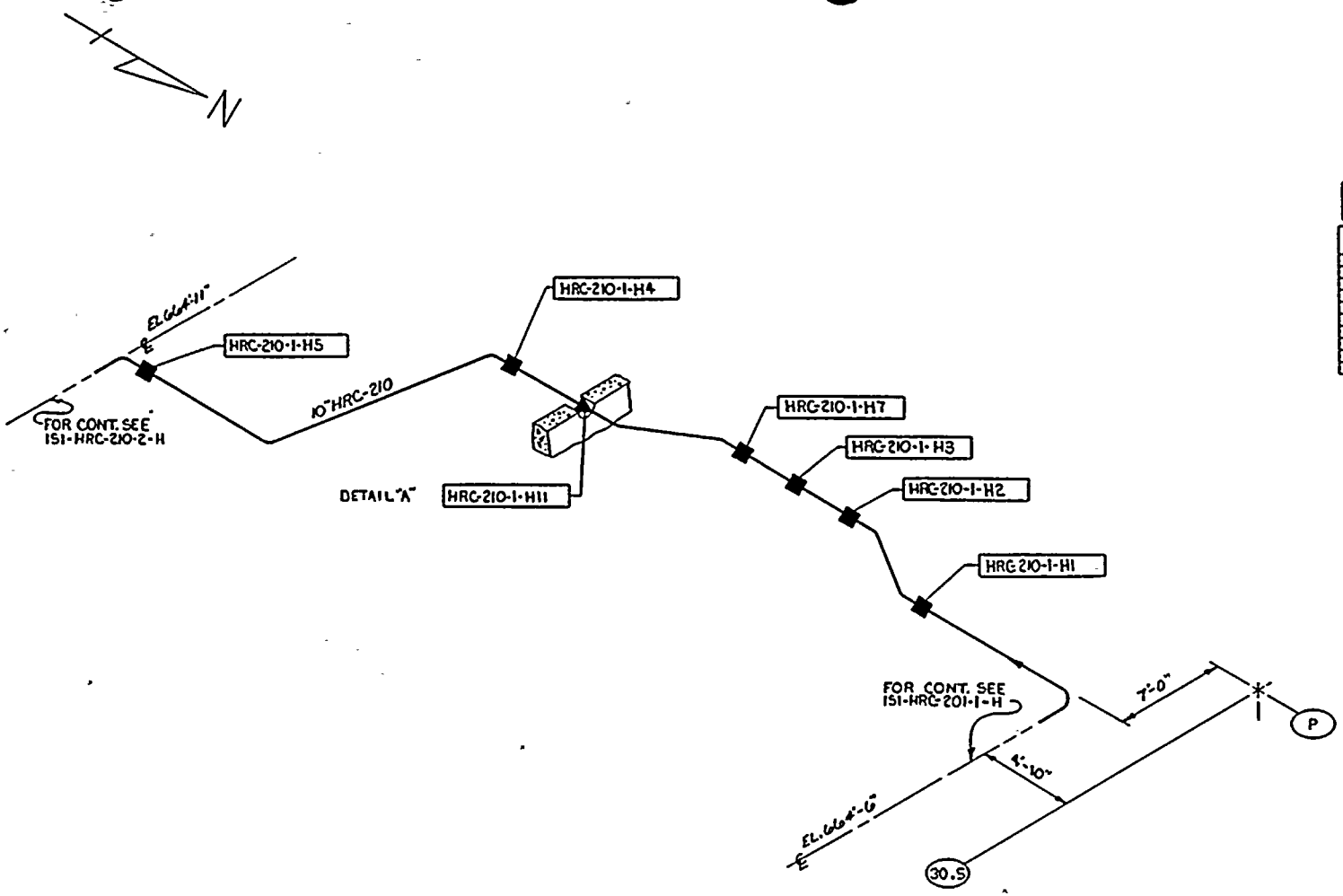
AREA 32 & 34 | ELEV. 645'0" | SCALE- NONE

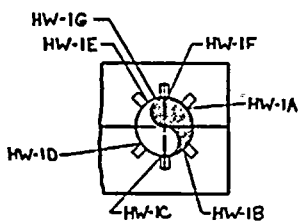
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201411 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HRC-209-2-H

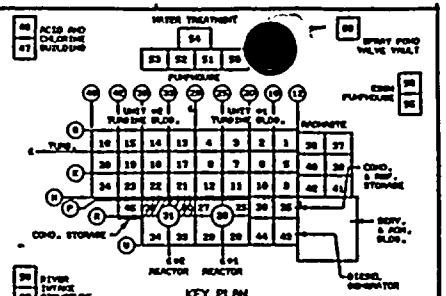
FRACTIONAL DECIMAL G 2 2 2 0 G G G G LOCATION CODES H SORTS





LOOKING SOUTH

DETAIL "A"
HANGER 11



KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	658'-0"	695'-0"	646'-0"	699'-0"		
2	679'-0"	679'-0"	660'-0"	677'-0"	704'-0"	679'-0"
3	688'-0"	693'-0"	679'-0"	718'-0"	718'-1"	688'-0"
4	703'-0"	713'-0"	691'-0"		739'-11 1/4"	713'-0"
5	722'-0"	749'-1"			722'-3 1/4"	722'-0"
6	713'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				764'-0"
12					771'-1"	771'-0"
14					793'-0"	793'-0"
19		799'-1"				809'-0"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

M-2111 (ESW)	
M-2110 (SW)	
FC1-PS1-2922	
FC1-PS1-2921	
M-30-1	E 106180 SHT. 1
M-32-1	E 106182 SHT. 1
HRC-210-1 (REV. 4)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	MAF	KJ	JEK	1/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-210-1-H

AREA 30,32 | ELEV. 664'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201412 | SHEET NO. 1 | REV. NO. 0

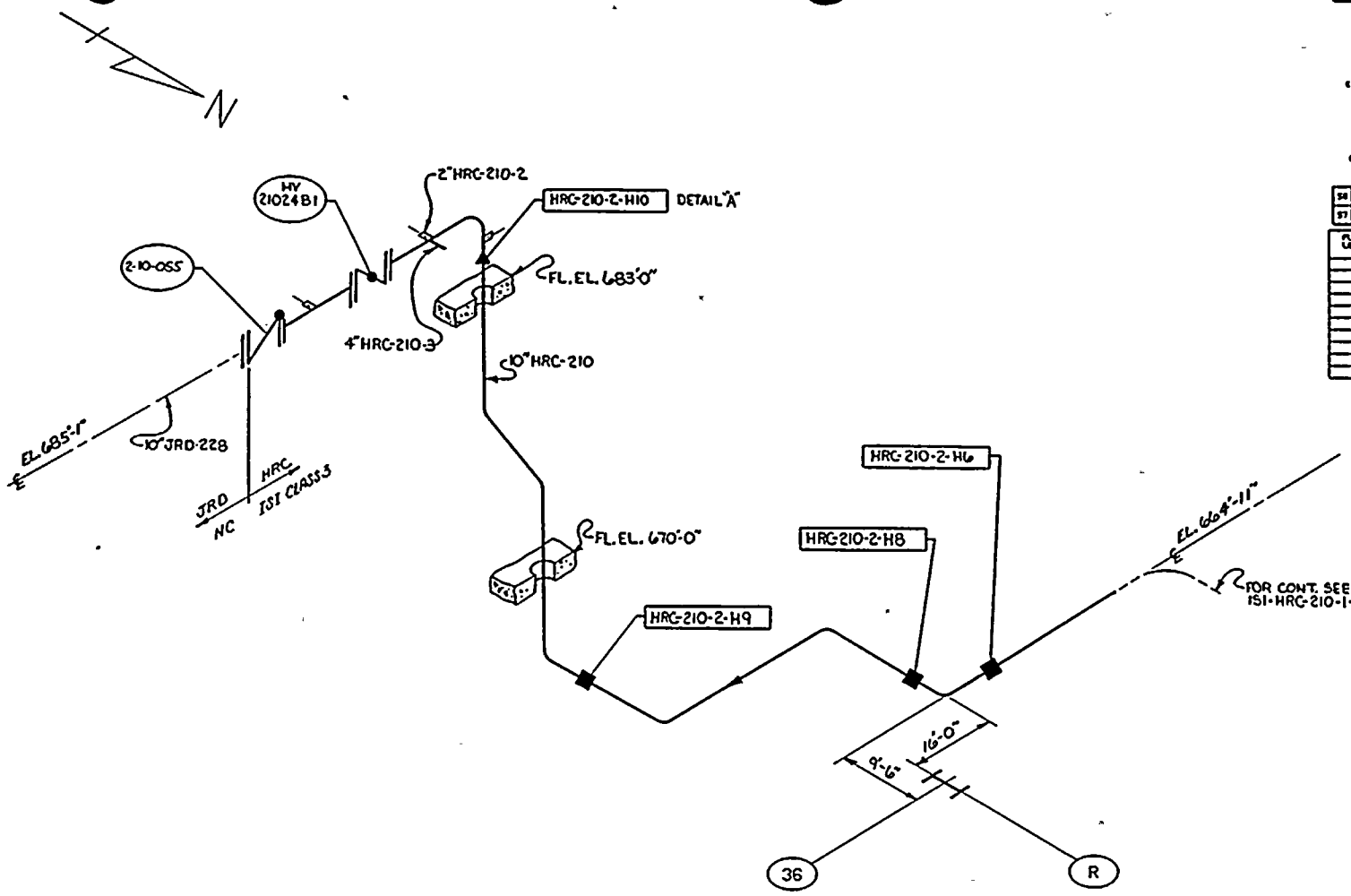
AE DRAWING NO. ISI-HRC-210-1-H

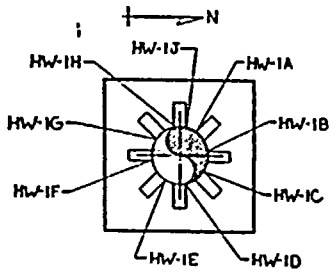
FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 2 2 0 | G | G | G | G | H

LOCATION CODES

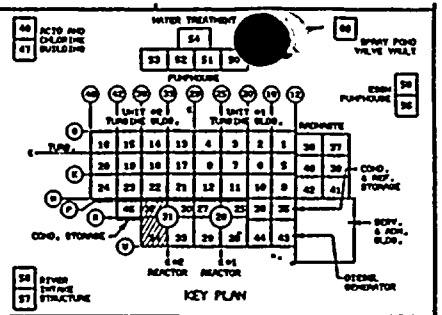
SORTS





PLAN VIEW

DETAIL "A"
HANGER H-10



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
16					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P51-2922	
M-2110 (SW)	E 162639
M-2111 (ESW)	E 162639
M-32-1	E 106182 SHT.1
M-32-2	E 106182 SHT.2
M-32-3	E 106182B SHT.3
M-34-3	E 106184 SHT.3
HRC-210-2 (REV.5)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]		[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-210-2-H

AREA 32,34 | ELEV. 645'-0" | SCALE- NONE

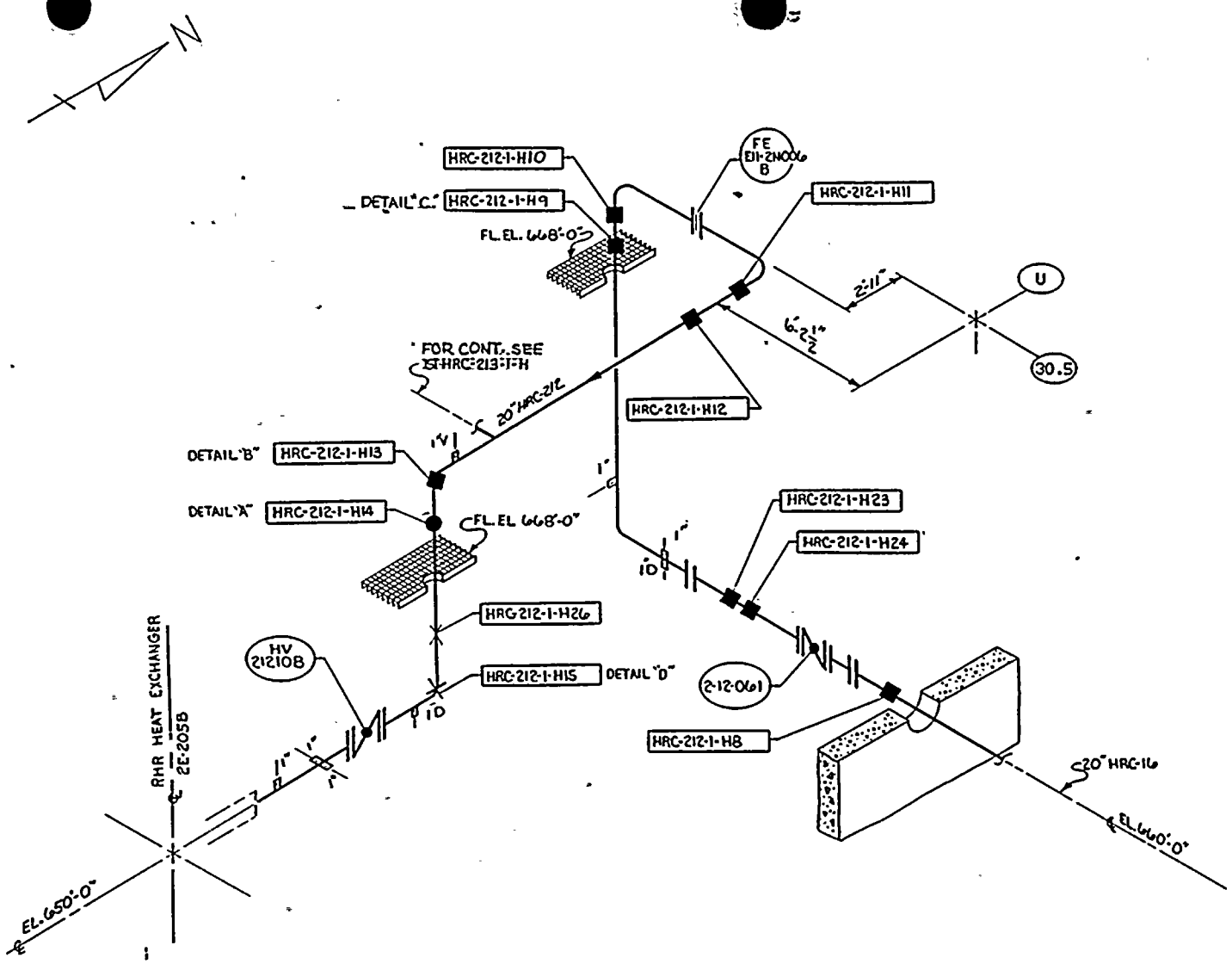
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

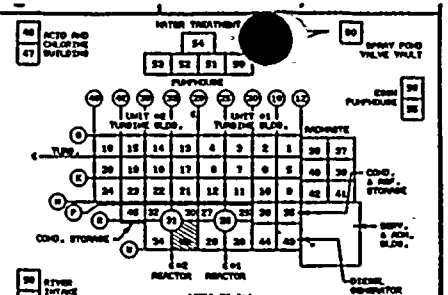
PP&L DRAWING NO. C-201413 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HRC-210-2-H

G 2 Z 2 0 G G G G M

FRACTIONAL DECIMAL LOCATION CODES SORTS

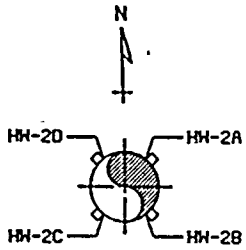




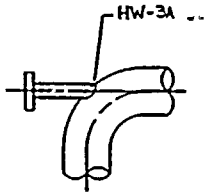
FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORITE BLDG. EL.	DIESEL GENERATOR EL.	SPRAYHILL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
13					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

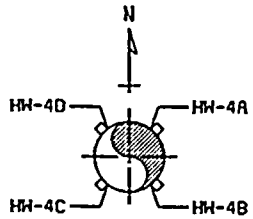
- SPRING
- SNUBBER
- RIGID
- ANCHOR



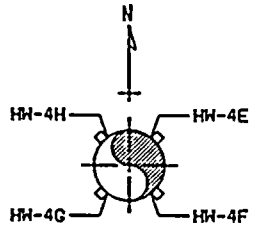
PLAN VIEW
DETAIL "A"
HANGER 14



LOOKING WEST
DETAIL "B"
HANGER 13

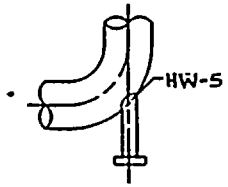


TOP LUGS



BOTTOM LUGS

DETAIL "C"
HANGER 9



LOOKING WEST
DETAIL "D"
HANGER 15

FCI-P51-2887	
M-2112 (RHR SW)	E 162141
M-33-1	E 106183 SHT.1
M-33-2	E 106183 SHT.2
HRC-212-1 (REV.8)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
1	REDRAWN FOR UNIT 2	[illegible]	PD	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-212-1-H

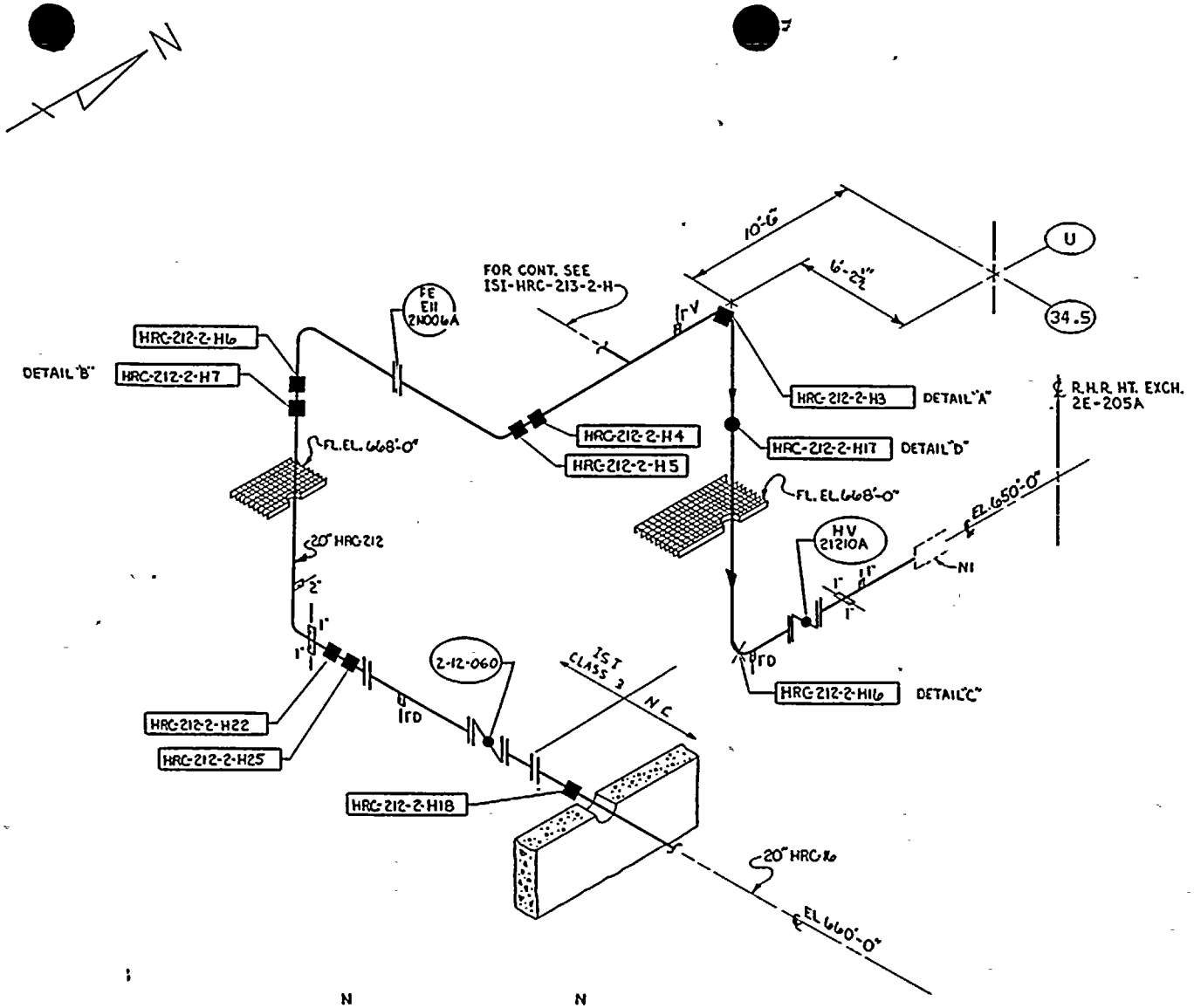
AREA 33 | ELEV. 645'-0" | SCALE- NONE

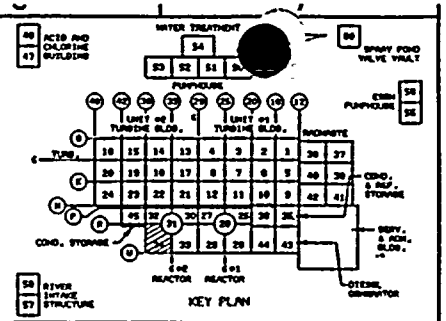
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-194533 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-HRC-212-1-H

G 2 2 2 0 G G G G M
FRACTIONAL DECIMAL LOCATION CODES SORTS

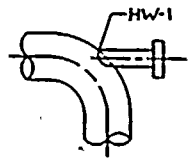




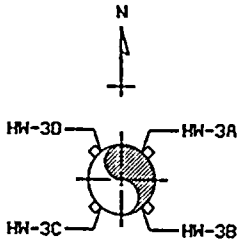
FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	650'-0"	645'-0"	645'-0"	655'-0"		
2	676'-0"	676'-0"	666'-0"	677'-0"	704'-0"	676'-0"
3	693'-0"	693'-0"	676'-0"	718'-0"	719'-1"	688'-0"
4	720'-0"	719'-0"	691'-0"		728'-11½"	714'-0"
5	732'-0"	740'-1"			732'-2½"	729'-0"
6	754'-0"	770'-1"			770'-1"	741'-0"
7		818'-1"				754'-0"
12					792'-1"	771'-0"
16					808'-0"	792'-0"
19		799'-1"				808'-0"

HANGER LEGEND

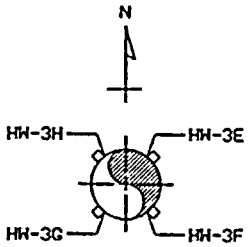
- SPRING
- SNUBBER
- RIGID
- ANCHOR



DETAIL "A"
HANGER 3

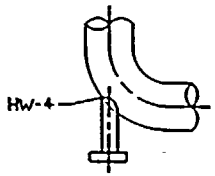


TOP LUGS



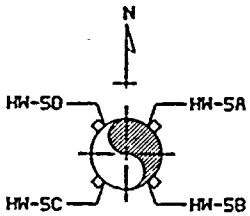
BOTTOM LUGS

DETAIL "B"
HANGER 7



LOOKING WEST

DETAIL "C"
HANGER 16



DETAIL "D"
HANGER 17

FCI-PSI-2893	
M-2112 (RHR SW)	E 162641
M-34-1	E 106184 SHT. 1
M-34-2	E 106184- SHT. 2
HRC-212-2 (REV. 11)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
1	REDRAWN FOR UNIT 2	MA	FS	[illegible]	[illegible]/85

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-212-2-H

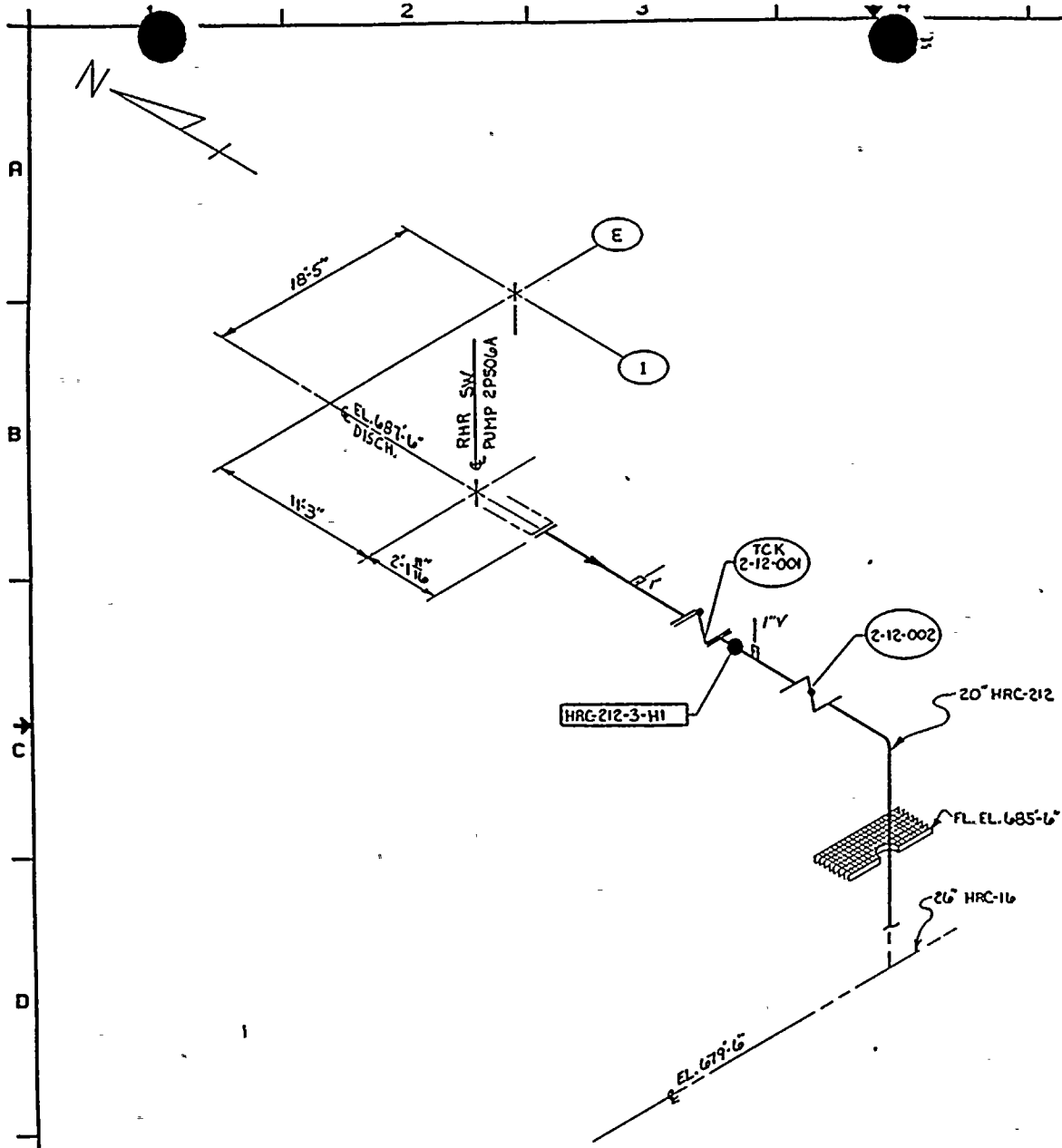
AREA 34 | ELEV. 645'-0" | SCALE- NONE

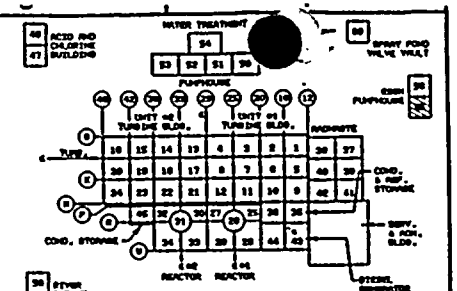
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-194534 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-HRC-212-2-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0 | G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORITE BLDG. EL.	STEAM GENERATOR EL.	SPHERE REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
15					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P49-1560	
M-2112 (RHR SW)	E 162641
M-55-1	E 162153 SHT. 1
HRC-212-3 (REV. 2)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
1	REDRAWN FOR UNIT 2	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-212-3-H

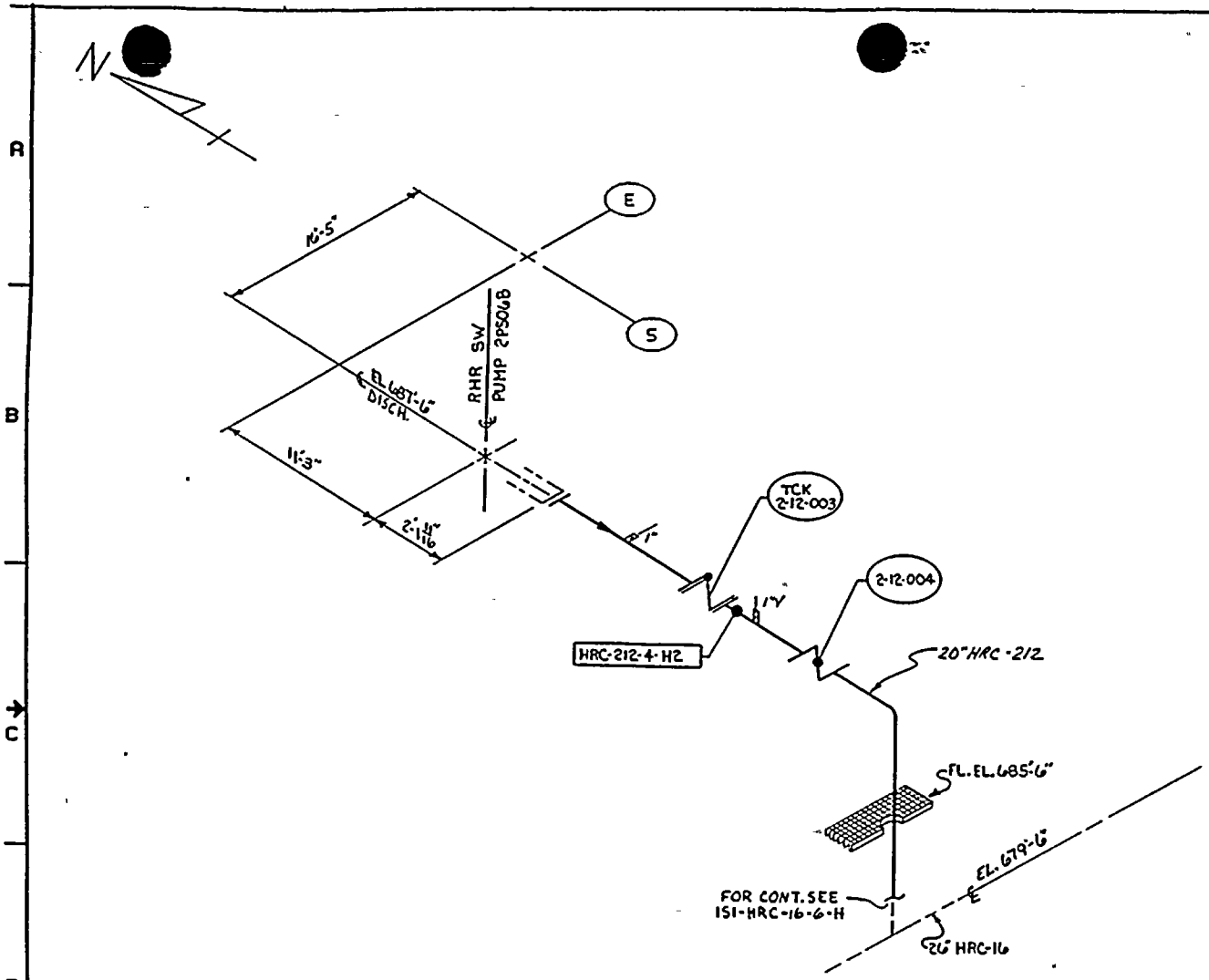
AREA 55 | ELEV. 685'-6" | SCALE- NONE

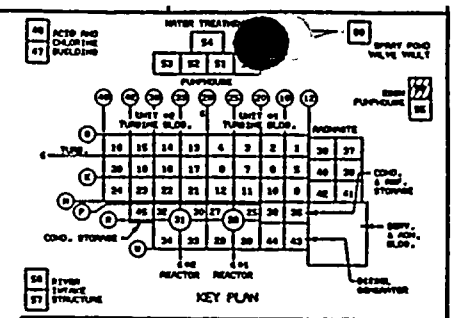
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-194535 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-HRC-212-3-H

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	959'-9"	949'-9"	949'-9"	949'-9"		
2	879'-9"	879'-9"	899'-9"	877'-9"	794'-9"	879'-9"
3	999'-9"	997'-9"	979'-9"	719'-9"	719'-1"	999'-9"
4	779'-9"	719'-9"	991'-9"		738'-11 1/2"	719'-9"
5	752'-9"	749'-1"			752'-2 1/2"	779'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		819'-1"				754'-9"
12					791'-1"	771'-9"
14					809'-9"	792'-9"
19		799'-1"				909'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-P49-1561	
M-2112 (RHR SW)	E 162639
M-56-1	E-162154
HRC-212-4 (REV. 2)	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
1	REDRAWN FOR UNIT 2				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-212-4-H.

AREA 56 | ELEV. 685'-6" | SCALE- NONE

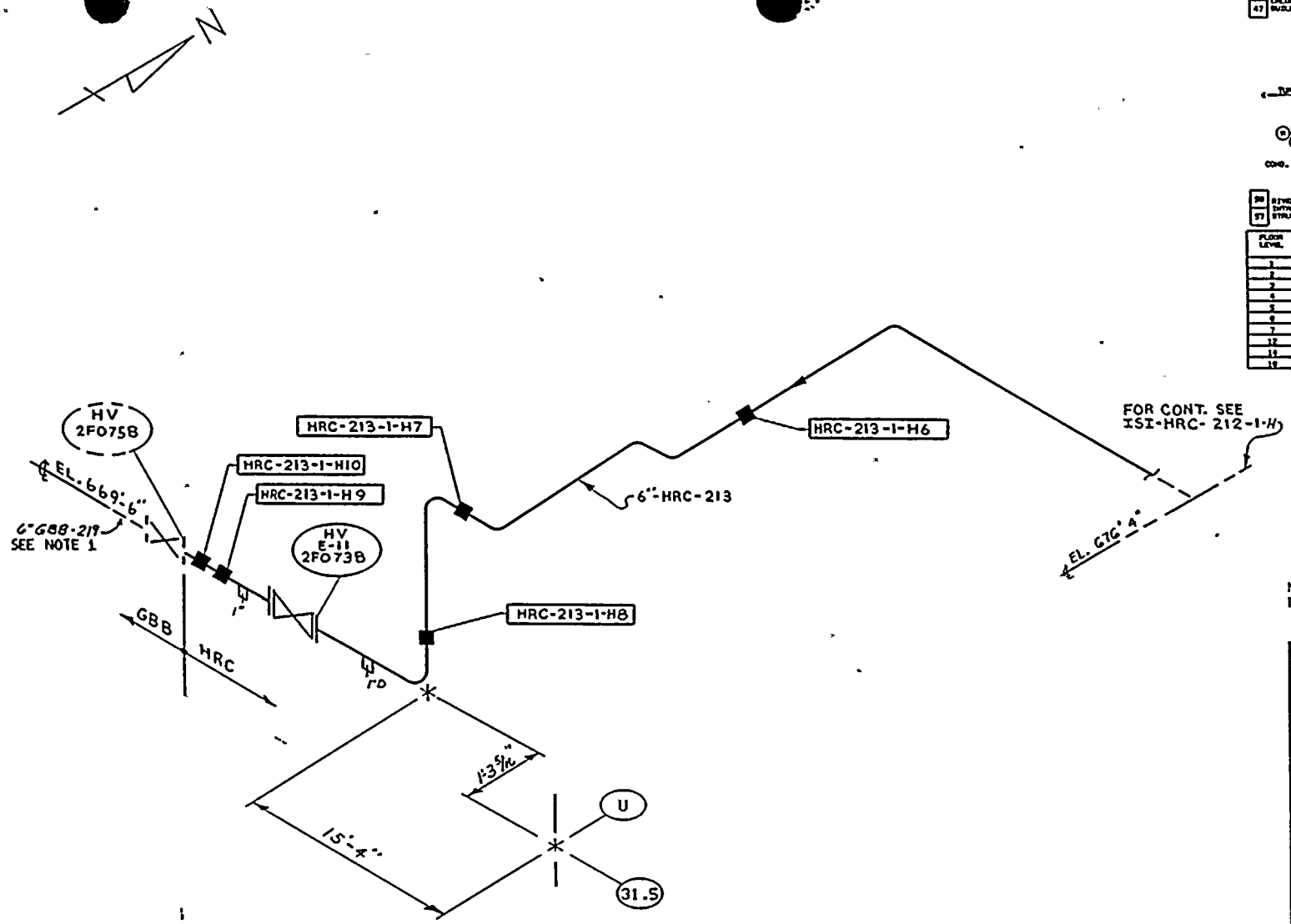
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

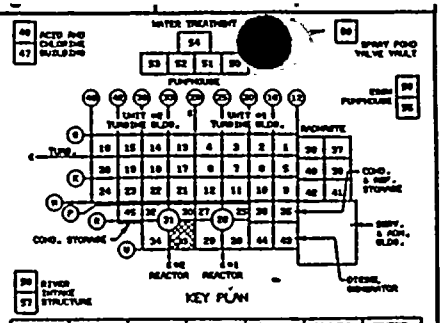
PP&L DRAWING NO. C-194536 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-HRC-212-4-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
15					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

NOTES:
1. ISI-GBB-219-1-H HAS BEEN DELETED DUE TO NO HANGERS REQUIRING INSERVICE INSPECTION.

HRC-213-1 (REV. 4)	
FCI-P51-2887	
M-2112 (R.HR. S.W.)	E-162641
M-33-2	E-106183
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED. ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

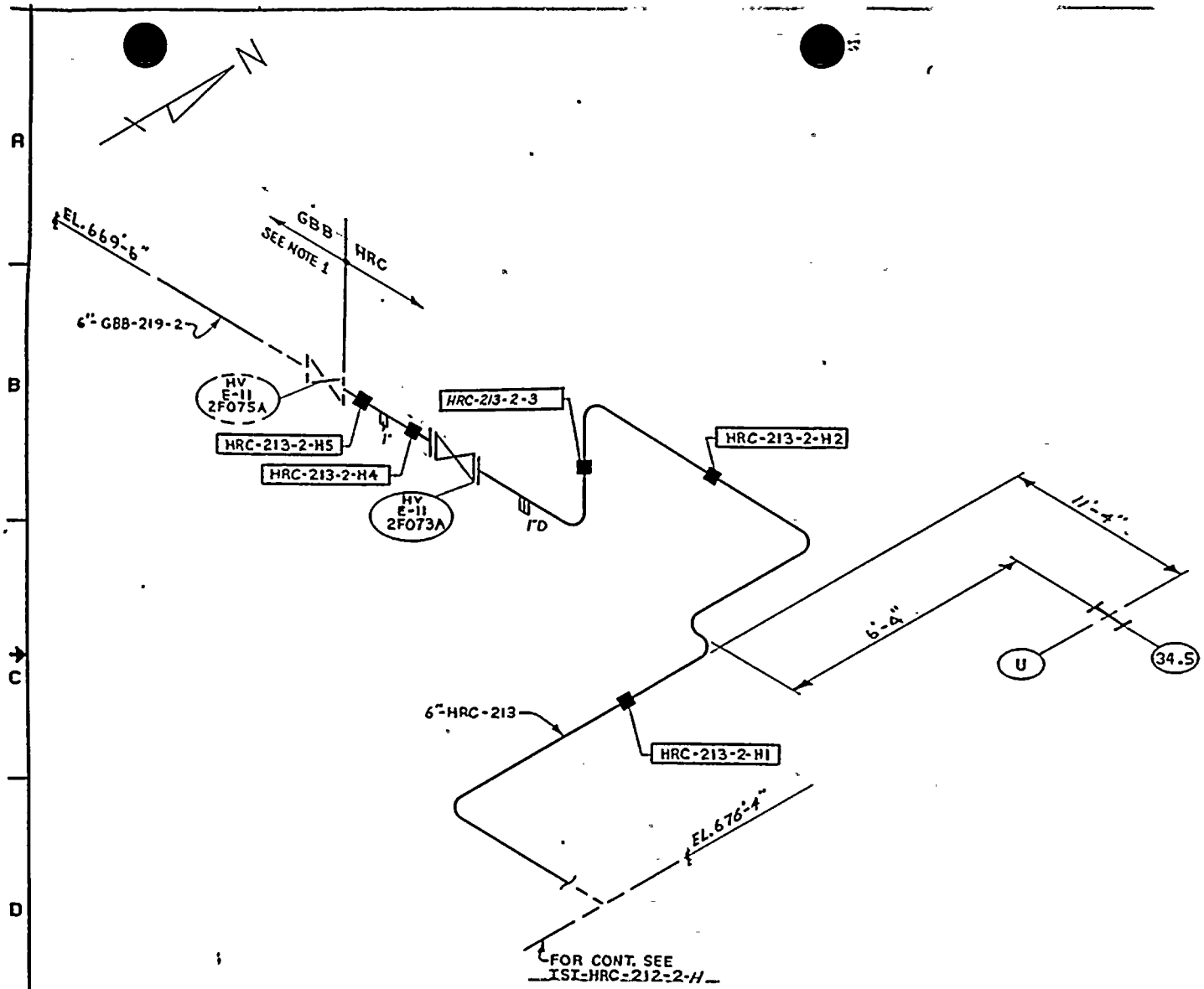
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-213-1-H

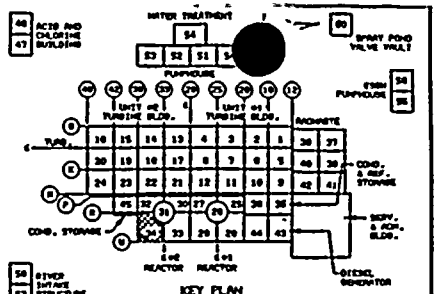
AREA 33 | ELEV. 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201418	1	0

AE DRAWING NO. ISI-HRC-213-1-H





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORITE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	939'-9"	949'-9"	949'-9"	899'-9"		
2	879'-9"	879'-9"	899'-9"	877'-9"	761'-9"	879'-9"
3	899'-9"	893'-9"	879'-9"	718'-9"	718'-1"	899'-9"
4	739'-9"	718'-9"	891'-9"		739'-11 1/2"	714'-9"
5	719'-9"	739'-1"			739'-11 1/2"	739'-9"
6	714'-9"	779'-1"			779'-1"	761'-9"
7		818'-1"				754'-9"
12					793'-1"	771'-9"
14					808'-9"	793'-9"
19		799'-1"				808'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

NOTES:

1. DRAWING ISI-GBB-219-2-H HAS BEEN DELETED DUE TO NO HANGERS REQUIRING INSERVICE INSPECTION.

HRC-213-2 (REV. 4)	
M-2112 (R.H.R. S.W.)	E-162641
M-34-2	E-106184 (SHT. 2)
FC1-P51-2893	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-213-2-H

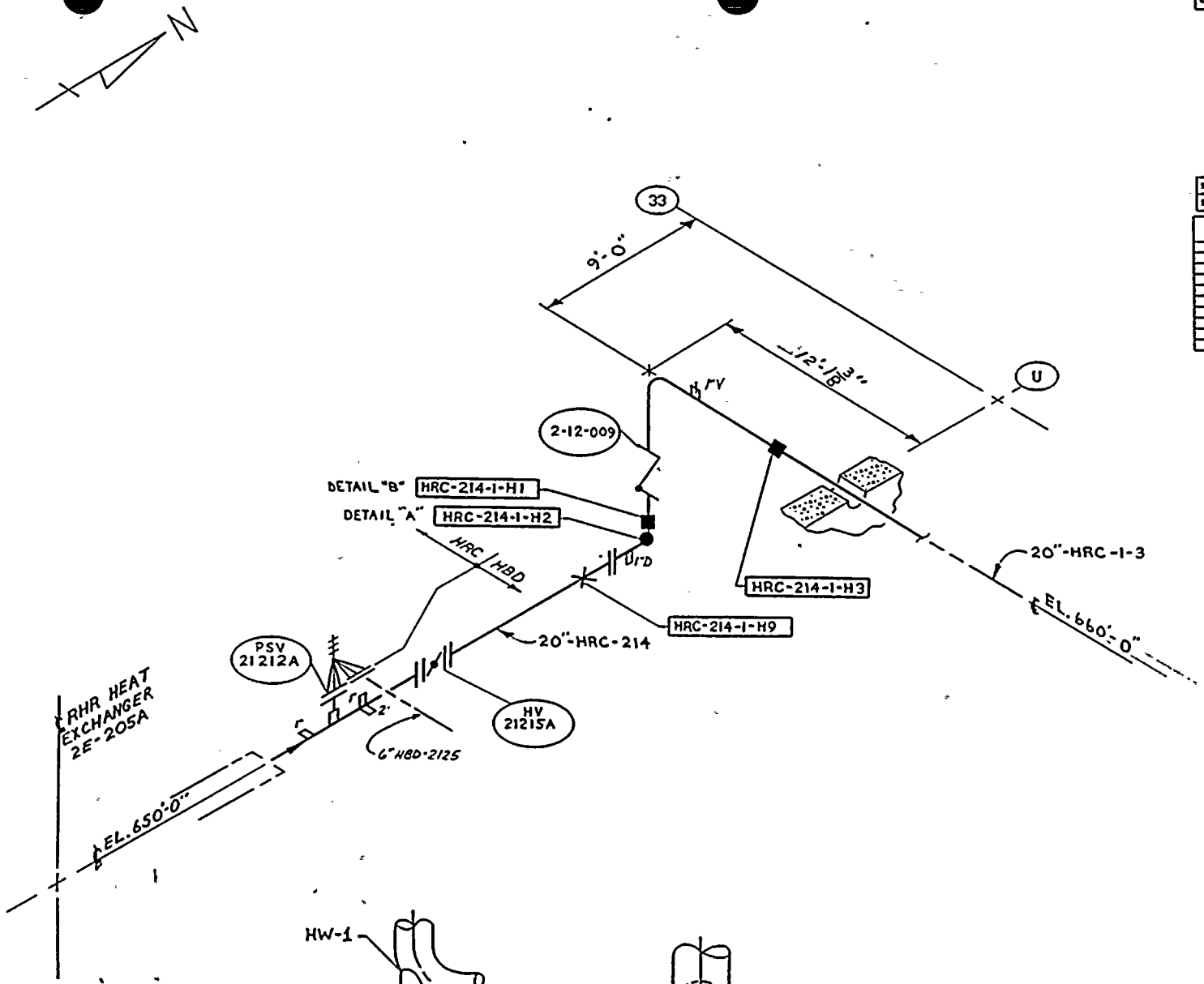
AREA 34 | ELEV. 670'-0" | SCALE- NONE

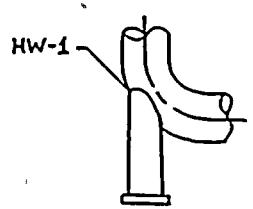
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201419 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-HRC-213-2-H

FRACTIONAL DECIMAL LOCATION CODES SORTS

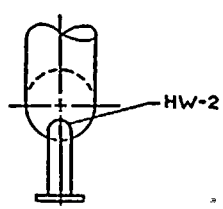




LOOKING WEST

DETAIL "B"

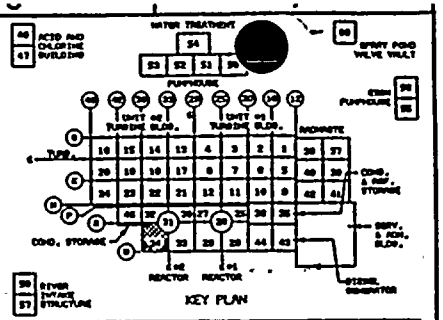
HANGER-1



LOOKING SOUTH

DETAIL A

HANGER-2



KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	INCINERATOR BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

HRC-214-1(REV.10)	
FCI-P.51-2893	
M-34-1	E-106183 (SHT. 1)
M-2112 (R.H.R.S.W.)	E-106184
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
1	REDRAWN FOR UNIT 2	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-214-1-H

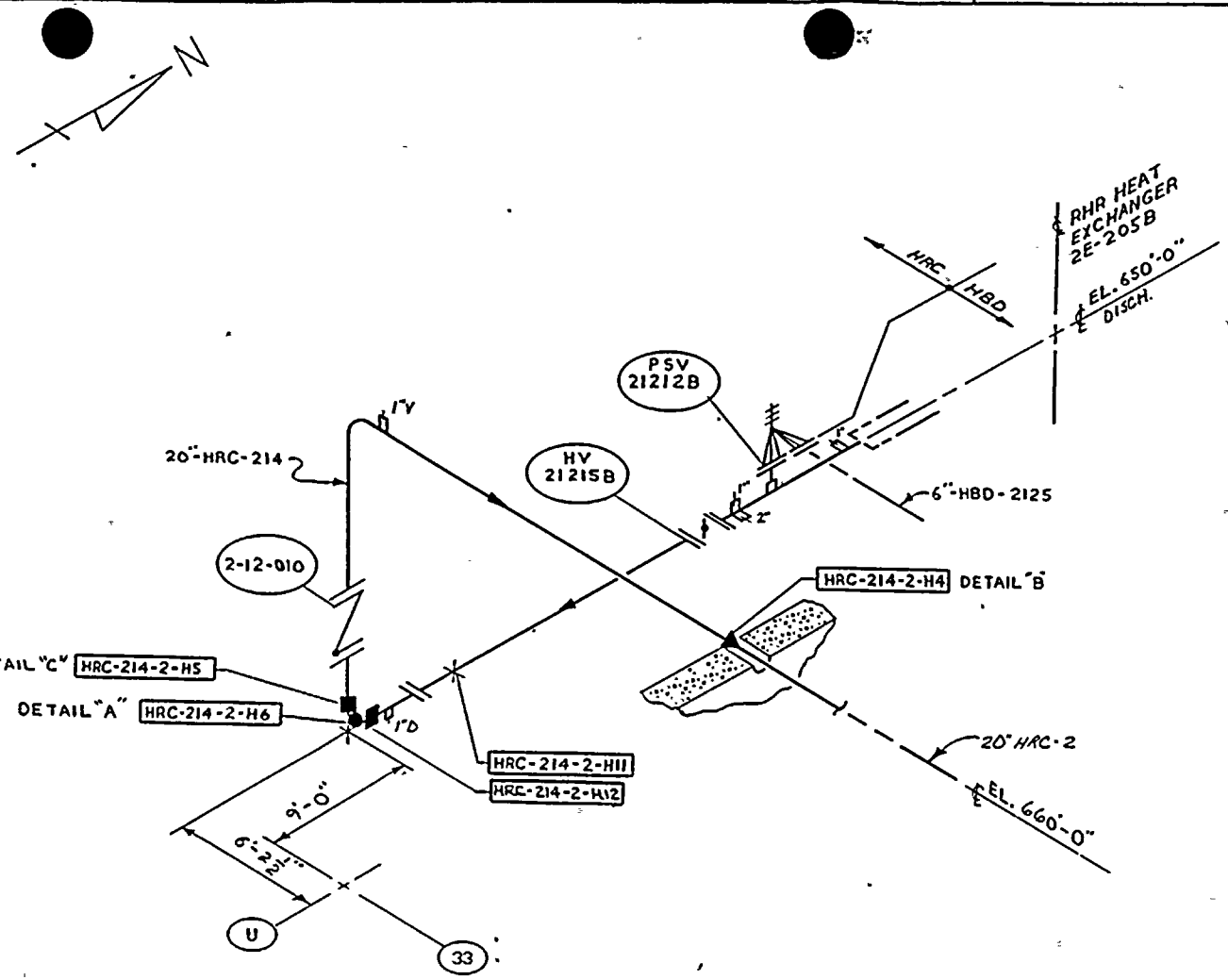
AREA 34 | ELEV. 645'-0" | SCALE- NONE

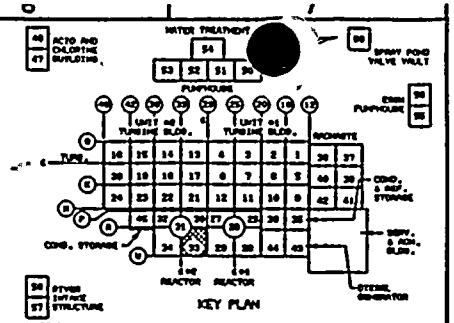
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-194537 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-HRC-214-1-H

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | SORTS

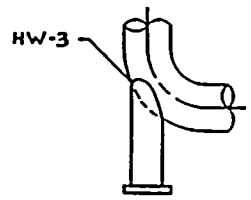




FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
15					[illegible]	[illegible]
19		[illegible]				[illegible]

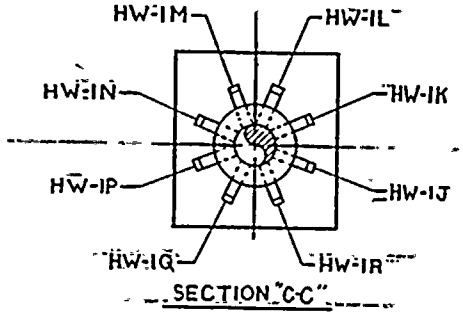
HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

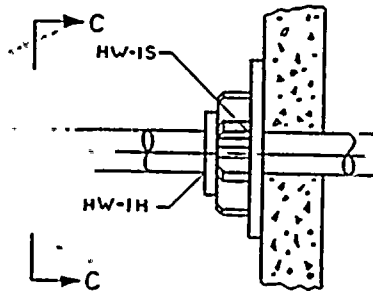


LOOKING WEST

DETAIL "A"
HANGER 6

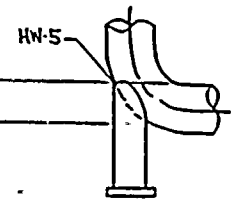


SECTION "C-C"



LOOKING NORTH

DETAIL "B"
HANGER 4



LOOKING WEST

HANGER 5
DETAIL "C"

HRC-214-2 (REV. 9)	
FC1-PSI-2887	
M-2112 (R.H.R.S.W.)	E-162641
M-33-1	E-106183 (SHT. 1)
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
1	REDRAWN FOR UNIT 2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-HRC-214-2-H

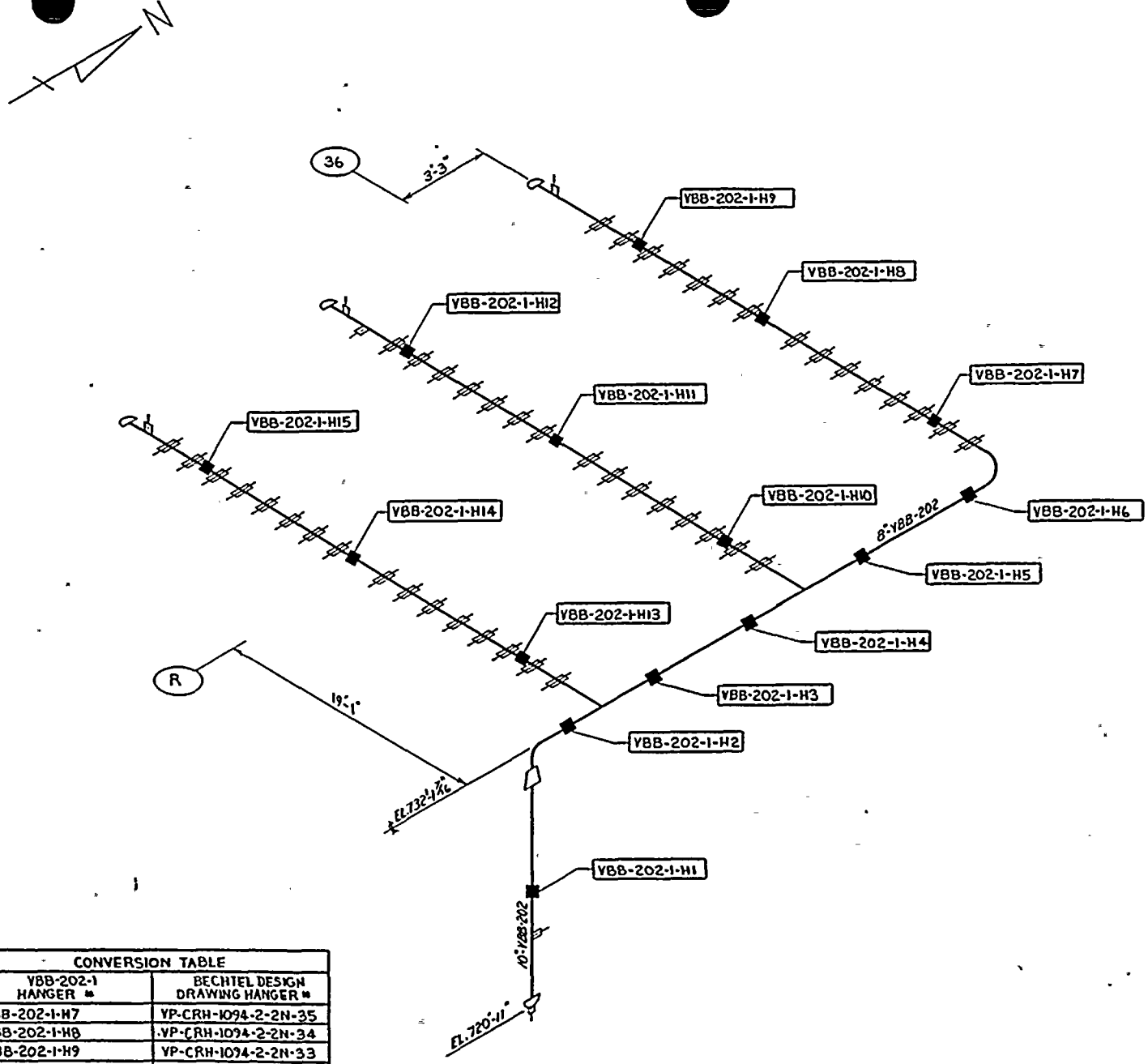
AREA 33 | ELEV. 645'-0" | SCALE- NONE

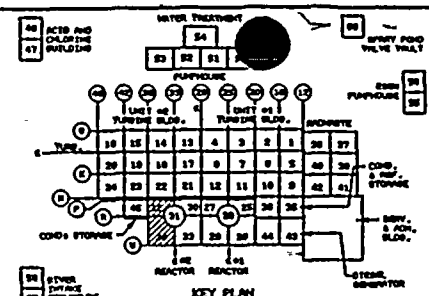
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-194538 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. ISI-HRC-214-2-H

FRACTIONAL DECIMAL LOCATION CODES SORTS





KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	STEAM GENERATOR EL.	CATWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	599'-3"	599'-3"	599'-3"	599'-3"		
2	679'-3"	679'-3"	599'-3"	677'-3"	701'-3"	679'-3"
3	699'-3"	697'-3"	679'-3"	719'-3"	711'-1"	699'-3"
4	703'-3"	713'-3"	701'-3"		720'-11 1/2"	714'-3"
5	703'-3"	719'-1"			732'-1 1/2"	720'-3"
6	714'-3"	779'-1"			779'-1"	741'-3"
7		819'-1"				754'-3"
12					791'-1"	771'-3"
14					809'-3"	792'-3"
19		799'-1"				819'-3"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

CONVERSION TABLE	
VBB-202-1 HANGER #	BECHTEL DESIGN DRAWING HANGER #
VBB-202-1-H7	VP-CRH-1094-2-2N-35
VBB-202-1-H8	VP-CRH-1094-2-2N-34
VBB-202-1-H9	VP-CRH-1094-2-2N-33
VBB-202-1-H10	VP-CRH-1094-2-2N-32
VBB-202-1-H11	VP-CRH-1094-2-2N-31
VBB-202-1-H12	VP-CRH-1094-2-2N-30
VBB-202-1-H13	VP-CRH-1094-2-2N-29
VBB-202-1-H14	VP-CRH-1094-2-2N-28
VBB-202-1-H15	VP-CRH-1094-2-2N-27

M-2147 (C.R.D.)	E-105947
VP-CRH-1094 SH.1	
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-VBB-202-1-H.

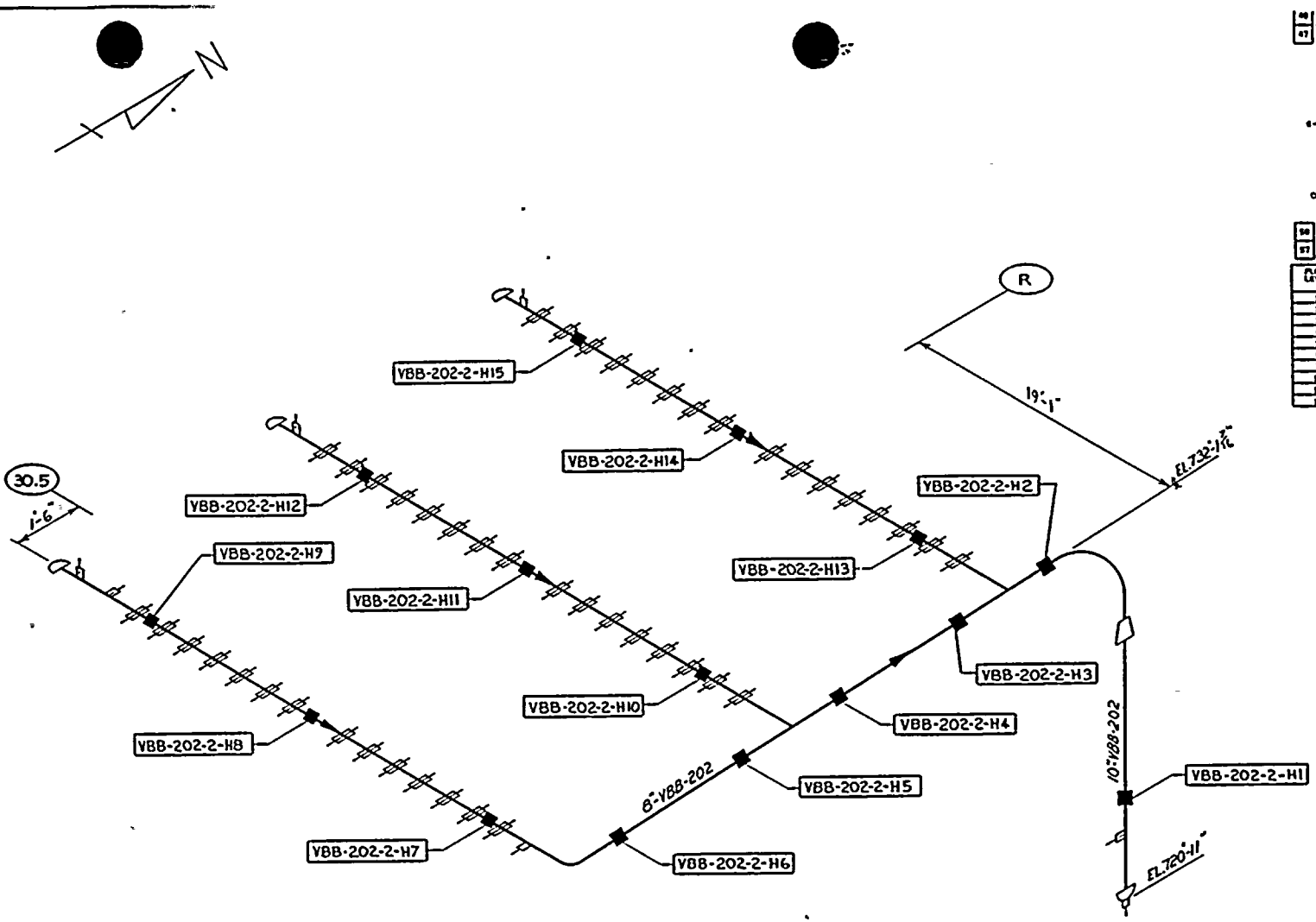
AREA 32134 | ELEV. 719'-0" | SCALE- NONE

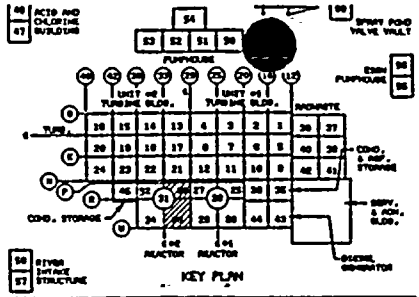
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201422 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-VBB-202-1-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	698'-9"	695'-9"	699'-9"	690'-9"		
2	674'-9"	676'-9"	690'-9"	677'-9"	695'-9"	676'-9"
3	699'-9"	693'-9"	679'-9"	718'-9"	718'-1"	699'-9"
4	723'-9"	713'-9"	691'-9"		730'-11 1/2"	714'-9"
5	752'-9"	749'-1"			752'-2 1/2"	732'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					808'-9"	793'-9"
19		799'-1"				808'-9"

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

CONVERSION TABLE	
VBB-202-2 HANGER #	BECHTEL DESIGN DRAWING HANGER #
VBB-202-2-H7	VP-CRH-1090-2-25-35
VBB-202-2-H8	VP-CRH-1090-2-25-34
VBB-202-2-H9	VP-CRH-1090-2-25-33
VBB-202-2-H10	VP-CRH-1090-2-25-32
VBB-202-2-H11	VP-CRH-1090-2-25-31
VBB-202-2-H12	VP-CRH-1090-2-25-30
VBB-202-2-H13	VP-CRH-1090-2-25-29
VBB-202-2-H14	VP-CRH-1090-2-25-28
VBB-202-2-H15	VP-CRH-1090-2-25-27

VP-CRH-1090 SH1	
M-2147 (CRD)	E-105947
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	LAM	[illegible]	[illegible]	9/1/83

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-VBB-202-2-H

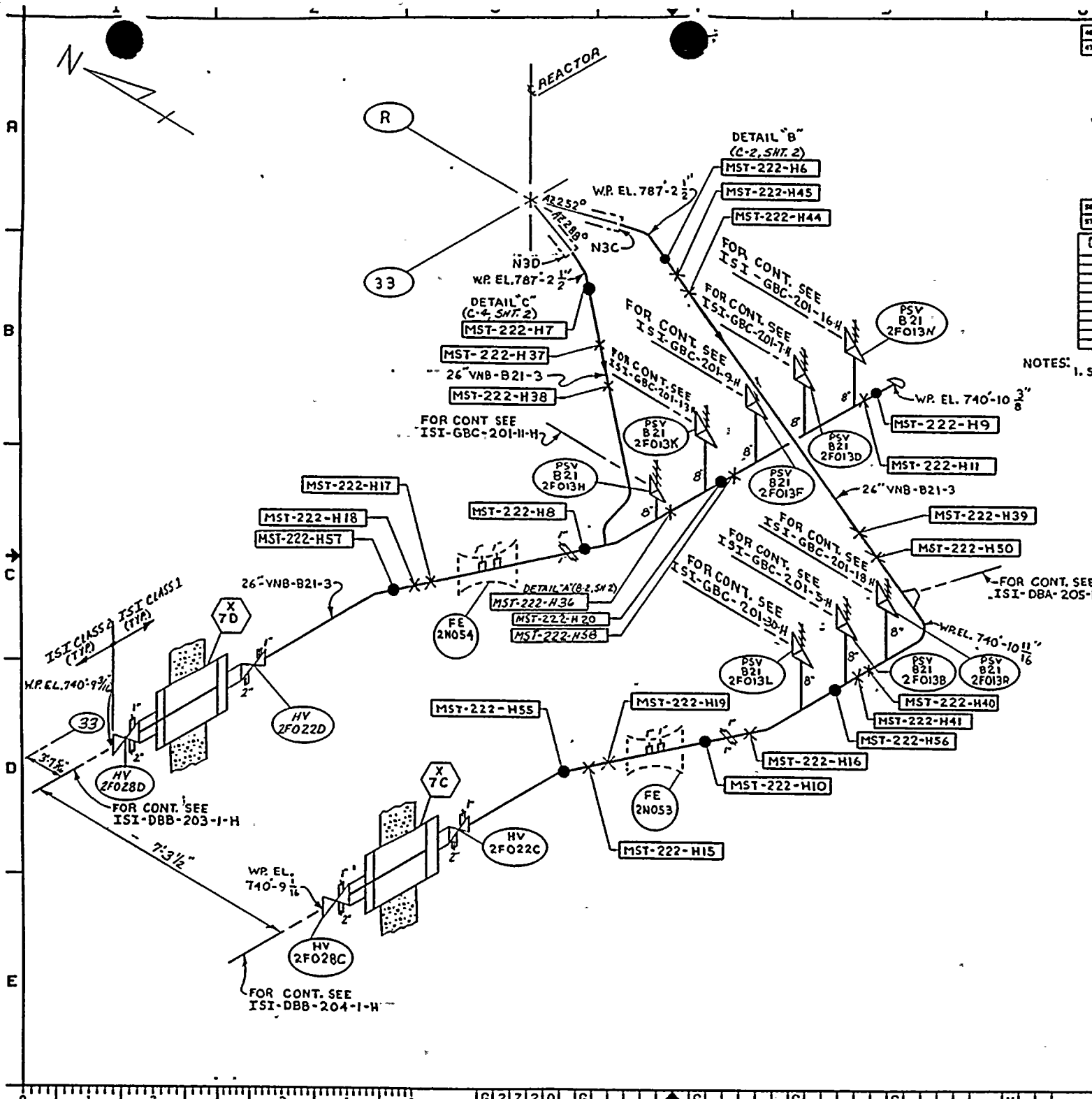
AREA 30&33 | ELEV. 719'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201423 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-VBB-202-2-H

FRACTIONAL | DECIMAL | G 2 Z 2 0 | LOCATION CODES | SORTS



VNB-B21-3 (REV. 0)	
FCI-PSI-2951 (SHT. 1)	
M-31-4	E-106181 (SHT. 4)
M-31-11	E-106181 (SHT. 11)
M-31-13	E-106181 (SHT. 13)
M-31-15	E-106181 (SHT. 15)
M-2141 (NUC. BOILER)	E-105941
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

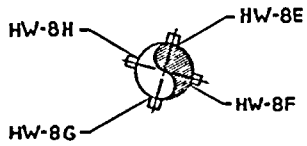
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-VNB-B21-3-H

AREA 31 | ELEV. 738'-11 1/2" | SCALE- NONE

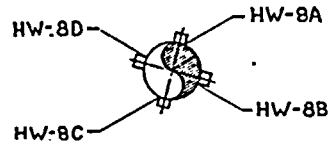
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201424 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-VNB-B21-3-H

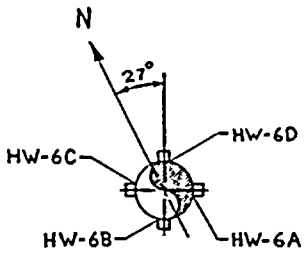


LOOKING WEST
WEST SIDE



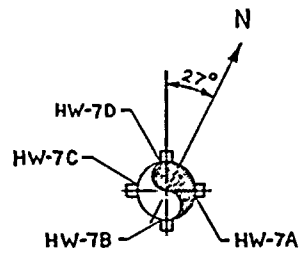
LOOKING WEST
EAST SIDE

DETAIL "A"
(C-4, SH. 1)
HANGER H-36



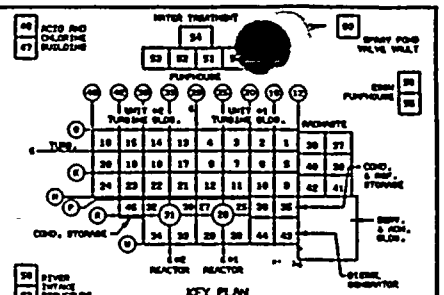
PLAN

DETAIL "B"
(B-4, SH. 1)
HANGER H-6



PLAN

DETAIL "C"
(B-7, SH. 1)
HANGER H-7.



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	AUXILIARY BLDG. EL.	STEAM GENERATOR EL.	CONTAINMENT REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	959'0"	895'0"	845'0"	899'0"		
2	879'0"	879'0"	845'0"	877'0"	799'0"	879'0"
3	858'0"	855'0"	879'0"	719'0"	719'1"	858'0"
4	739'0"	719'0"	841'0"		739'11½"	719'0"
5	739'0"	739'1"			739'11½"	739'0"
6	719'0"	779'1"			779'1"	719'0"
7		819'1"				754'0"
12					791'1"	771'0"
14					809'0"	791'0"
19		799'1"				809'0"

NOTES: 1. SEE SHT. 1 FOR PIPING REFERENCES

AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-VNB-B21-3-H

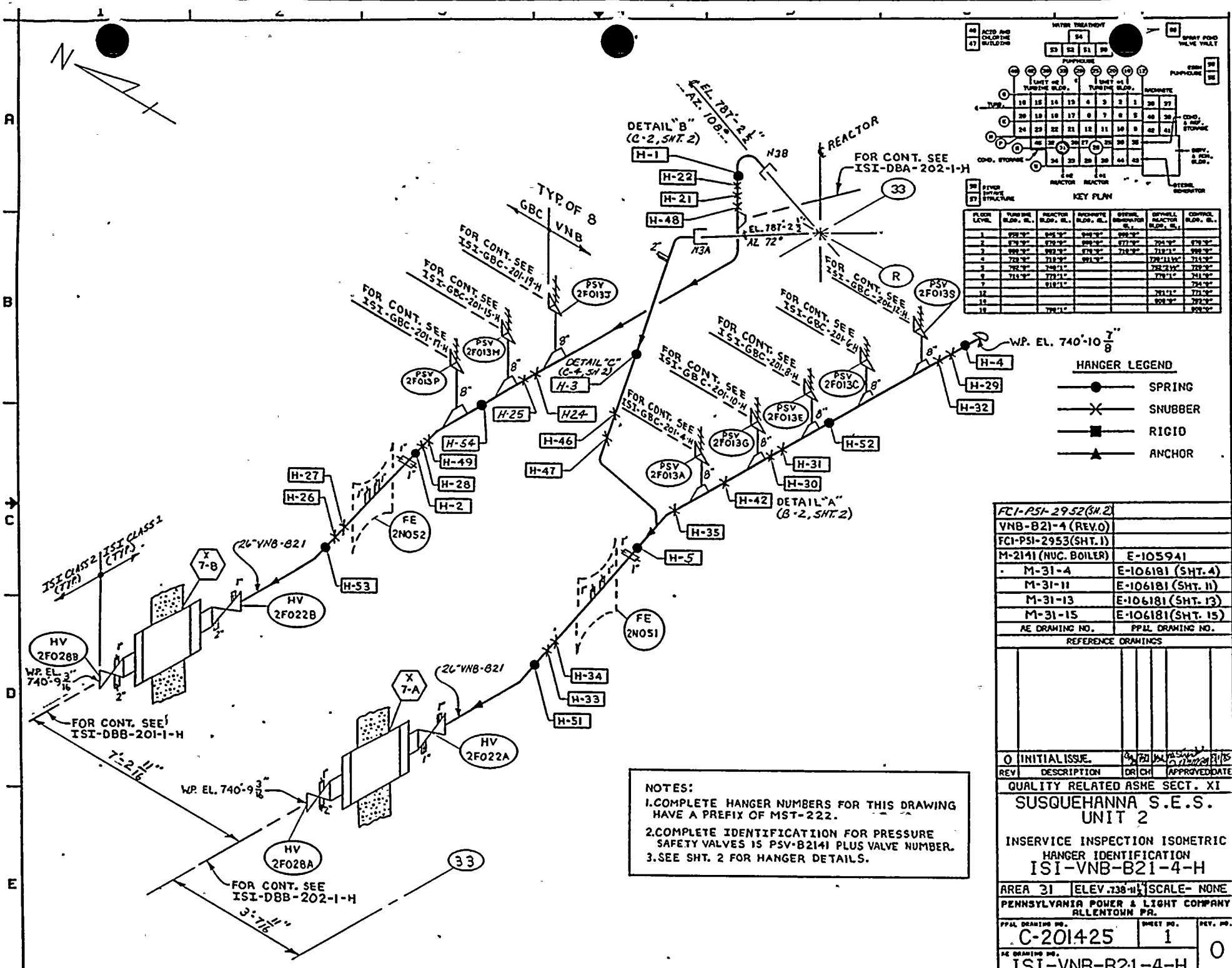
AREA | ELEV. | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201424 | SHEET NO. 2 | REV. NO. 0

AE DRAWING NO. ISI-VNB-B21-3-H

FRACTIONAL DECIMAL LOCATION CODES SORTS



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	REACTOR BLDG. EL.	STEAM GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	739'-0"	749'-0"	749'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	734'-0"	679'-0"
3	699'-0"	697'-0"	679'-0"	718'-0"	719'-1"	699'-0"
4	733'-0"	718'-0"	691'-0"		739'-11 1/2"	714'-0"
5	782'-0"	748'-1"			782'-2 1/2"	733'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		818'-1"				754'-0"
12					781'-1"	771'-0"
14					809'-0"	797'-0"
19		799'-1"				839'-0"

NOTES:

1. COMPLETE HANGER NUMBERS FOR THIS DRAWING HAVE A PREFIX OF MST-222.
2. COMPLETE IDENTIFICATIION FOR PRESSURE SAFETY VALVES IS PSV-B2141 PLUS VALVE NUMBER.
3. SEE SHT. 2 FOR HANGER DETAILS.

FCI-PSI-2952 (SH. 2)	
VNB-B21-4 (REV. 0)	
FCI-PSI-2953 (SHT. 1)	
M-2141 (NUC. BOILER)	E-105941
M-31-4	E-106181 (SHT. 4)
M-31-11	E-106181 (SHT. 11)
M-31-13	E-106181 (SHT. 13)
M-31-15	E-106181 (SHT. 15)
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

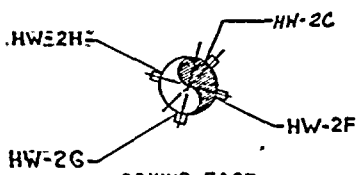
INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-VNB-B21-4-H

AREA 31 | ELEV. 738'-11 1/2" | SCALE- NONE

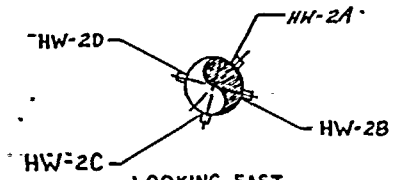
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201425 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-VNB-B21-4-H

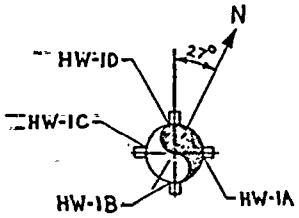


LOOKING EAST
WEST SIDE



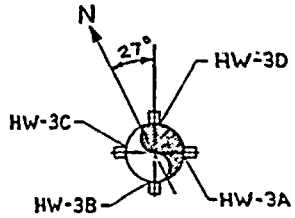
LOOKING EAST
EAST SIDE

DETAIL "A"
(C-5, SH. 1)
HANGER H-42



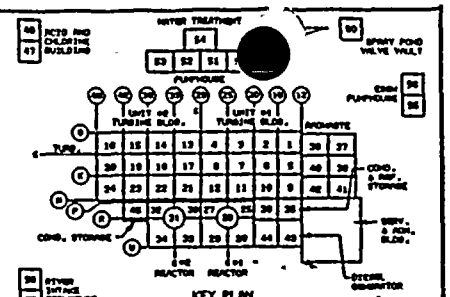
PLAN

DETAIL "B"
(A-4, SH. 1)
HANGER H-1



PLAN

DETAIL "C"
(B-4, SH. 1)
HANGER H-3



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ENCINATE BLDG. EL.	DIESEL GENERATOR EL.	CRYSHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	725'-0"	695'-0"	695'-0"	695'-0"		
2	676'-0"	676'-0"	690'-0"	677'-0"	704'-0"	676'-0"
3	690'-0"	697'-0"	676'-0"	719'-0"	718'-1"	690'-0"
4	723'-0"	714'-0"	691'-0"		728'-11 1/4"	714'-0"
5	752'-0"	749'-1"			752'-2 1/4"	722'-0"
6	714'-0"	779'-1"			779'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	793'-0"
19		799'-1"				809'-0"

NOTES:

1. SEE SHT. 1 FOR PIPING / REFERENCES

AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-VNB-B21-4-H

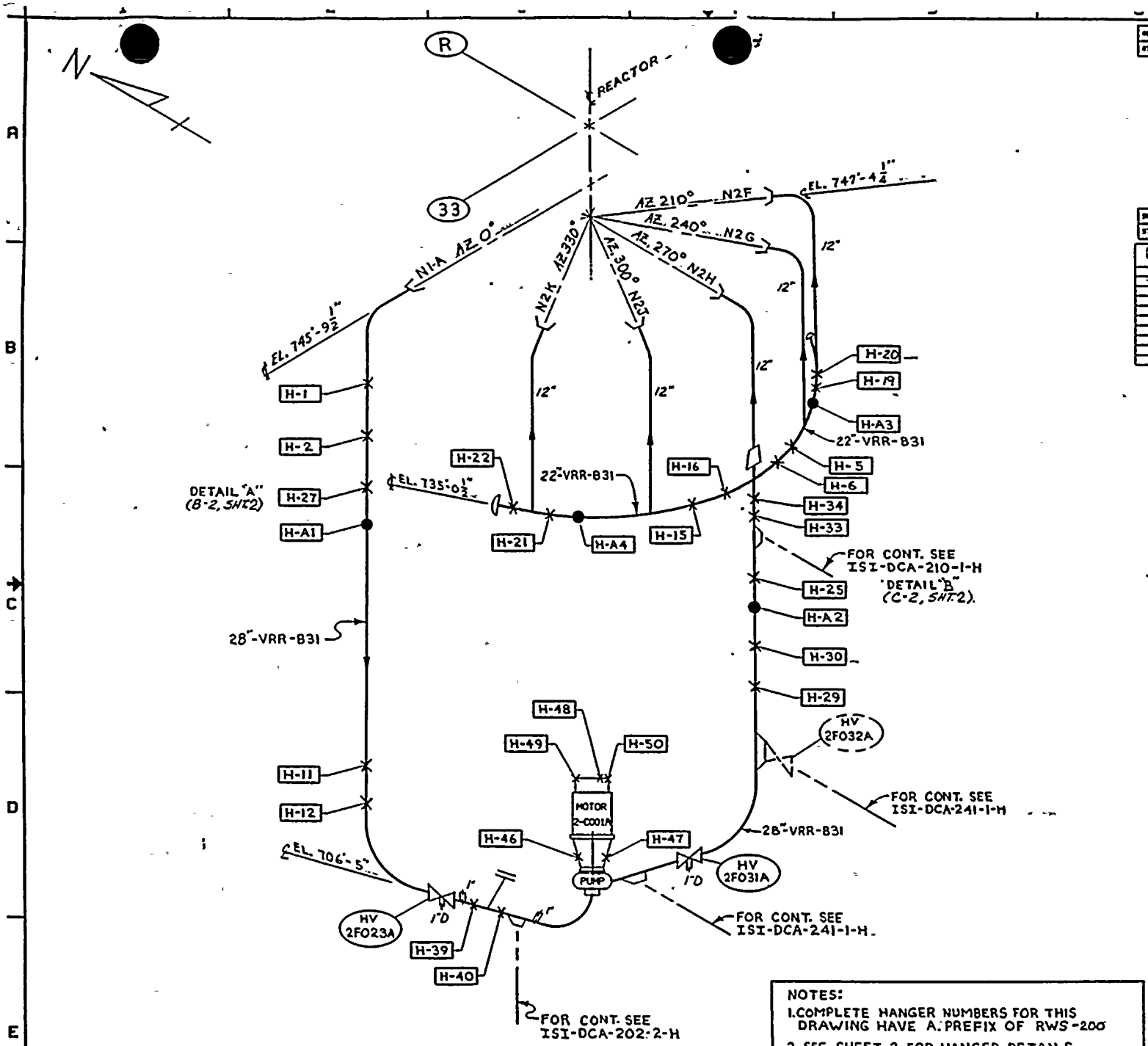
AREA | ELEV. | SCALE- NONE

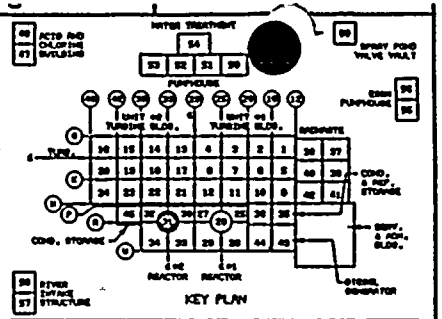
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201425 | SHEET NO. 2 | REV. NO. 0

AE DRAWING NO. ISI-VNB-B21-4-H

FRACTIONAL DECIMAL LOCATION CODES: SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

FCI-PSI-2950 SH.1 (REV.2)	
M-31-2	E-106181 SHT. 2
M-31-3	E-106181 SHT. 3
M-31-4	E-106181 SHT. 4
M-31-11	E-106181 SHT. 11
M-31-13	E-106181 SHT. 13
M-31-15	E-106181 SHT. 15
M-2143 (R.RCAC.)	E-105943
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-VRR-B31-3-H

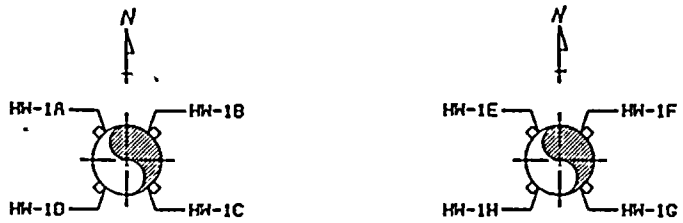
AREA 31 | ELEV. 704'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

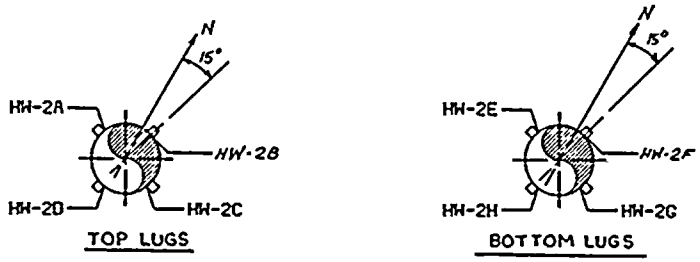
PP&L DRAWING NO. C-201426 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-VRR-B31-3-H

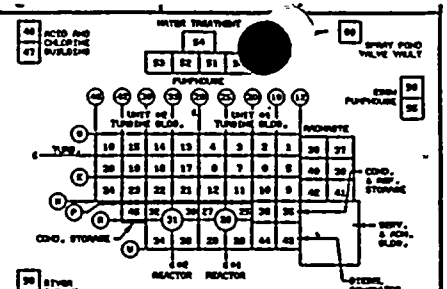
NOTES:
1. COMPLETE HANGER NUMBERS FOR THIS DRAWING HAVE A PREFIX OF RWS-200
2. SEE SHEET 2 FOR HANGER DETAILS.



DETAIL "A"
(C-2, SH.1)
HANGER H-27



DETAIL "B"
(C-4, SH.1)
HANGER H-25



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
13					[illegible]	[illegible]
19		[illegible]				[illegible]

NOTES:

1. SEE SHT. 1 FOR PIPING & REFERENCES.

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]

AE DRAWING NO. | PP&L DRAWING NO.

REFERENCE DRAWINGS

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-VRR-B31-3-H

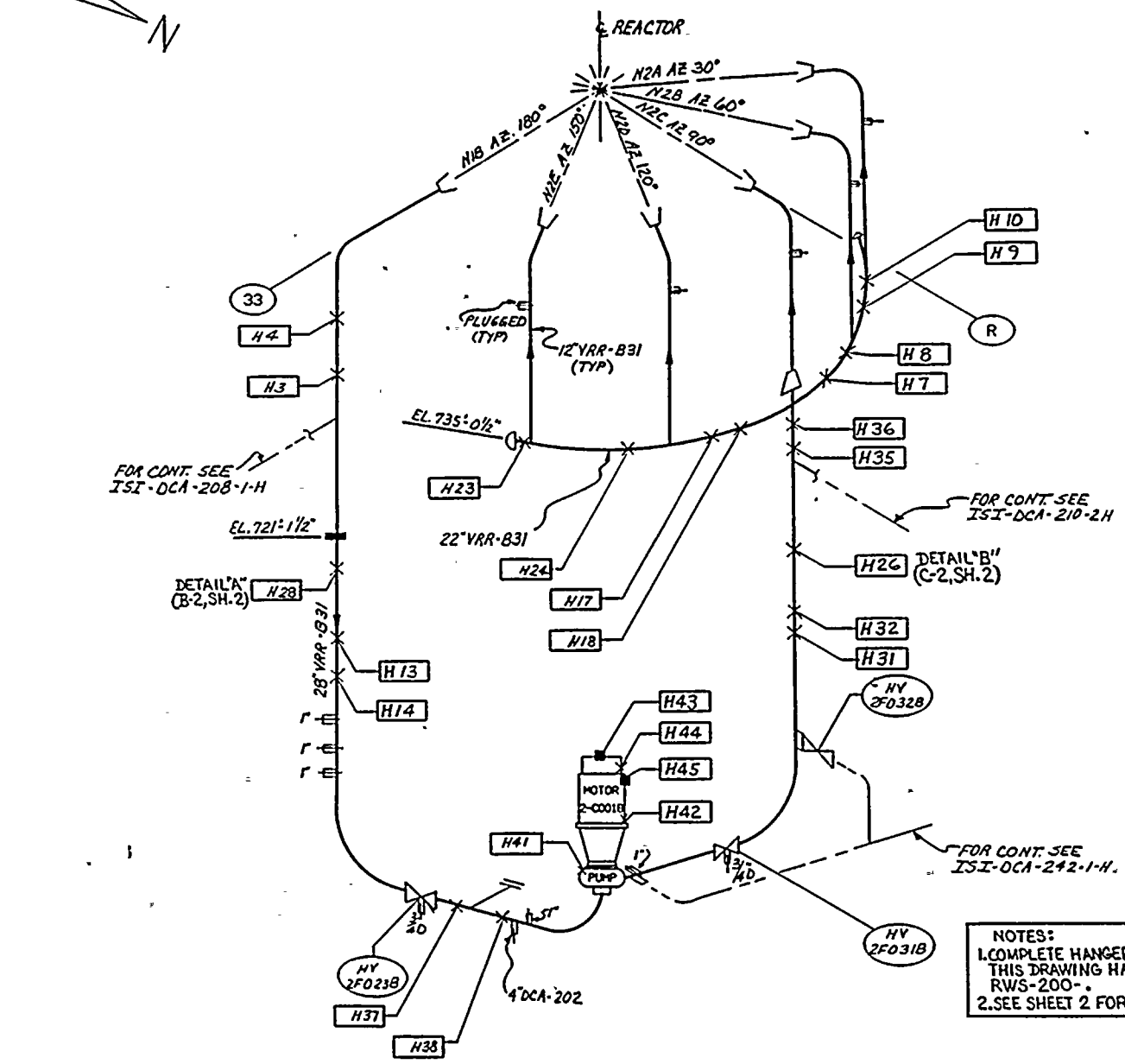
AREA | ELEV. | SCALE- NONE

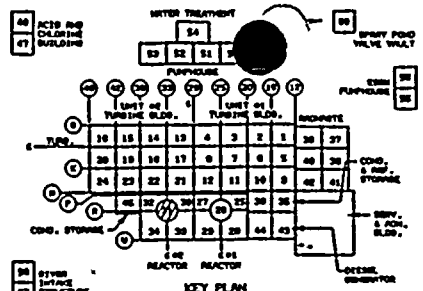
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-201426 | SHEET NO. 2 | REV. NO. 0

AE DRAWING NO. ISI-VRR-B31-3-H

FRACTIONAL DECIMAL LOCATION CODES SORTS





FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	INCINERATE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

HANGER LEGEND

- SPRING
- SNUBBER
- RIGID
- ANCHOR

VRR-B31-4 SH. 2 (REV. 0)	
VRR-B31-4 SH. 1 (REV. 0)	
FCT-PSI-2950 SH. 2	
M-2143 (REAC. RC/RC)	E-105943
M-31-15	E-106181 SH. 15
M-31-13	E-106181 SH. 13
M-31-11	E-106181 SH. 11
M-31-4	E-106181 SH. 4
M-31-3	E-106181 SH. 3
M-31-2	E-106181 SH. 2
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]

NOTES:
1. COMPLETE HANGER NUMBERS FOR THIS DRAWING HAVE A PREFIX OF RWS-200-.
2. SEE SHEET 2 FOR HANGER DETAILS.

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-VRR-B31-4-H

AREA 31 | ELEV. 683'-0 | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

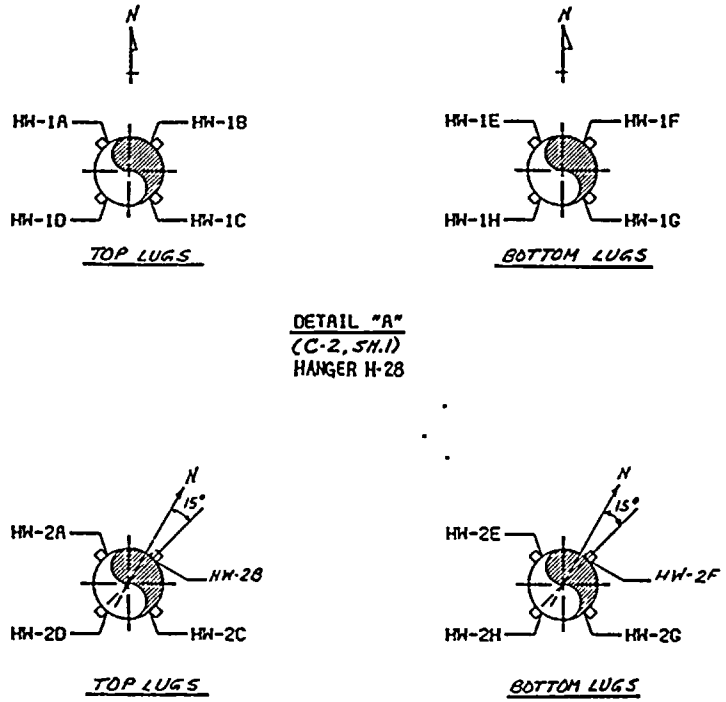
PP&L DRAWING NO. C-201427 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. ISI-VRR-B31-4-H

FRACTIONAL 0 1 2 | DECIMAL 2 1 0

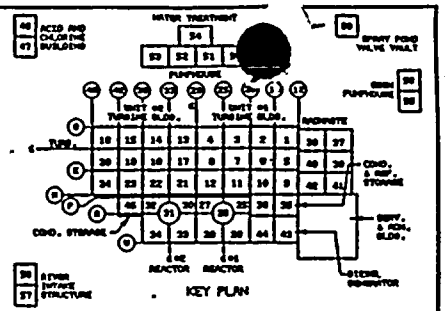
G 2 2 2 0 | G | G | G | G | H

LOCATION CODES | SORTS



DETAIL "A"
(C-2, SH.1)
HANGER H-28

DETAIL "B"
(C-5, SH.1)
HANGER H-26



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

FOR NOTES AND REFERENCES SEE SHEET 1

AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE.	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
HANGER IDENTIFICATION
ISI-VRR-B31-4-H

AREA	ELEV.	SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201427	2	0

AE DRAWING NO.
ISI-VRR-B31-4-H

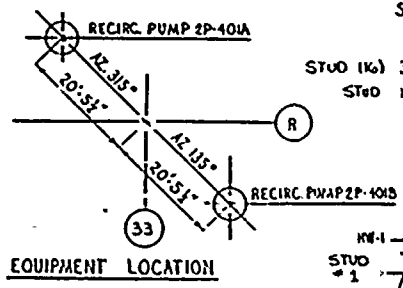
FRACTIONAL DECIMAL LOCATION CODES SORTS

ISI COMPONENT IDENTIFICATION DRAWINGS

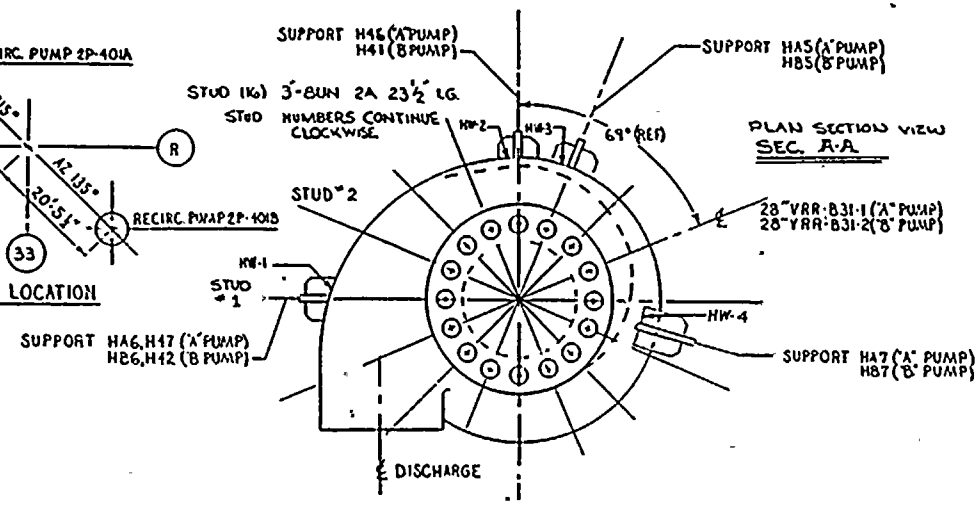
DESCRIPTION	PP&L DRAWING NUMBER	AE DRAWING NUMBER	REVISION*
RPV SHELL	C-205719	M-588	0
Reactor Recirculation Pumps 2P401A&B	C-199554	M-618	0
RPV Stabilizer Brackets (Unit 1 & 2)	C-205754	M-610	0
RPV Skirt (Unit 1 & 2)	C-205755	M-611	0
Skimmer Surge Tanks 1T-208 & 2T-208 (Unit 1 & 2)	C-201269	M-619	0
RPV Top & Bottom Head	C-199558	-	0
CRD Housing & Incore Penetration	C-199557	-	0
CRD Housing & Incore Penetration Identification	C-199556	-	0
RHR Heat Exchangers 2E-205 A,B	C-199555	-	0
RHR Heat Exchanger Supports	C-199561	-	0
Core Spray Pumps 2P-206 A,B,C,D	C-199560	-	0
RHR Pumps 2P-202 A,B,C,D	C-199559	-	0

dk/a25i:ncr

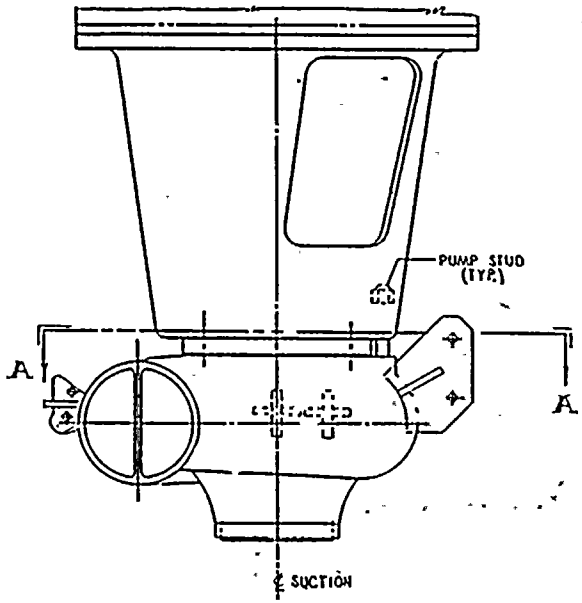
*To determine the latest document revision and/or any outstanding document change mechanisms, please reference stairs and/or the configuration control design document management system. (DDMS)



EQUIPMENT LOCATION



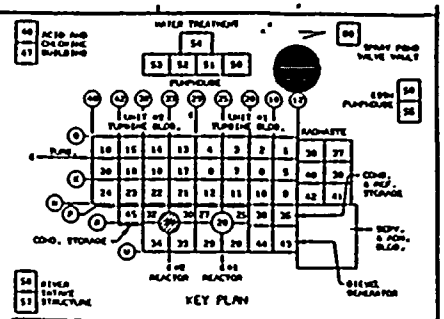
PLAN SECTION VIEW
SEC. A-A



ELEVATION

NOTES:

1. COMPLETE PUMP AND INTEGRAL ATTACHMENT IDENTIFICATIONS HAVE PREFIX OF 2P-401X, WHERE X IS THE LETTER OF THE PIPING LOOP FOR EACH OF THE TWO PUMPS.
2. HANGER BRACKET LOCATIONS ARE PER BYRON JACKSON DWG. 2F-1437
3. FOR FURTHER HANGER IDENTIFICATION INFORMATION SEE ISI-VRR-B31-1-H FOR THE "A" PUMP AND ISI-VRR-B31-2-H FOR THE "B" PUMP.
4. THE INTEGRAL ATTACHMENT WELD NUMBER (HW-X) REFERS TO THE ENTIRE WELDED CONNECTION BETWEEN THE SUPPORT BRACKET AND THE PUMP.



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	645'-0"	649'-0"	599'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	692'-0"	729'-0"	718'-0"	718'-1"	699'-0"
4	729'-0"	718'-0"	751'-0"		728'-11½"	719'-0"
5	752'-0"	749'-1"			752'-2½"	729'-0"
6	779'-0"	779'-1"			779'-1"	749'-0"
7		818'-1"				754'-0"
12					791'-1"	779'-0"
15					809'-0"	792'-0"
19		792'-1"				809'-0"

OUTLINE - REACTOR RECIRC PUMP FF-11651 SH. 3701 REV. 2	
BYRON JACKSON DWG. 2F-1437 REV. D	
M-31-2	E-106181 SH. 2
M-2143 (RR)	E-105943
AE DRAWING NO.	PP&L DRAWING NO.
REFERENCE DRAWINGS	

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD/COMPONENT IDENTIFICATION
ISI REACTOR RECIRCULATION PUMP 2P-401A,B

AREA 31	ELEV. 704'-0"	SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-199554	1	0

AE DRAWING NO. M-618 SH. 1

FRACTIONAL | DECIMAL | G 2 2 2 0 | LOCATION CODES | M | SORTS

LPRM IDENTIFICATION CO-ORDINATES (X-Y)

8-17	16-9	24-9	32-9	40-9	48-9	56-17
8-25	16-17	24-17	32-17	40-17	48-17	56-25
8-33	16-25	24-25	32-25	40-25	48-25	56-33
8-41	16-33	24-33	32-33	40-33	48-33	56-41
8-49	16-41	24-41	32-41	40-41	48-41	
	16-49	24-49	32-49	40-49	48-49	
	16-57	24-57	32-57	40-57		

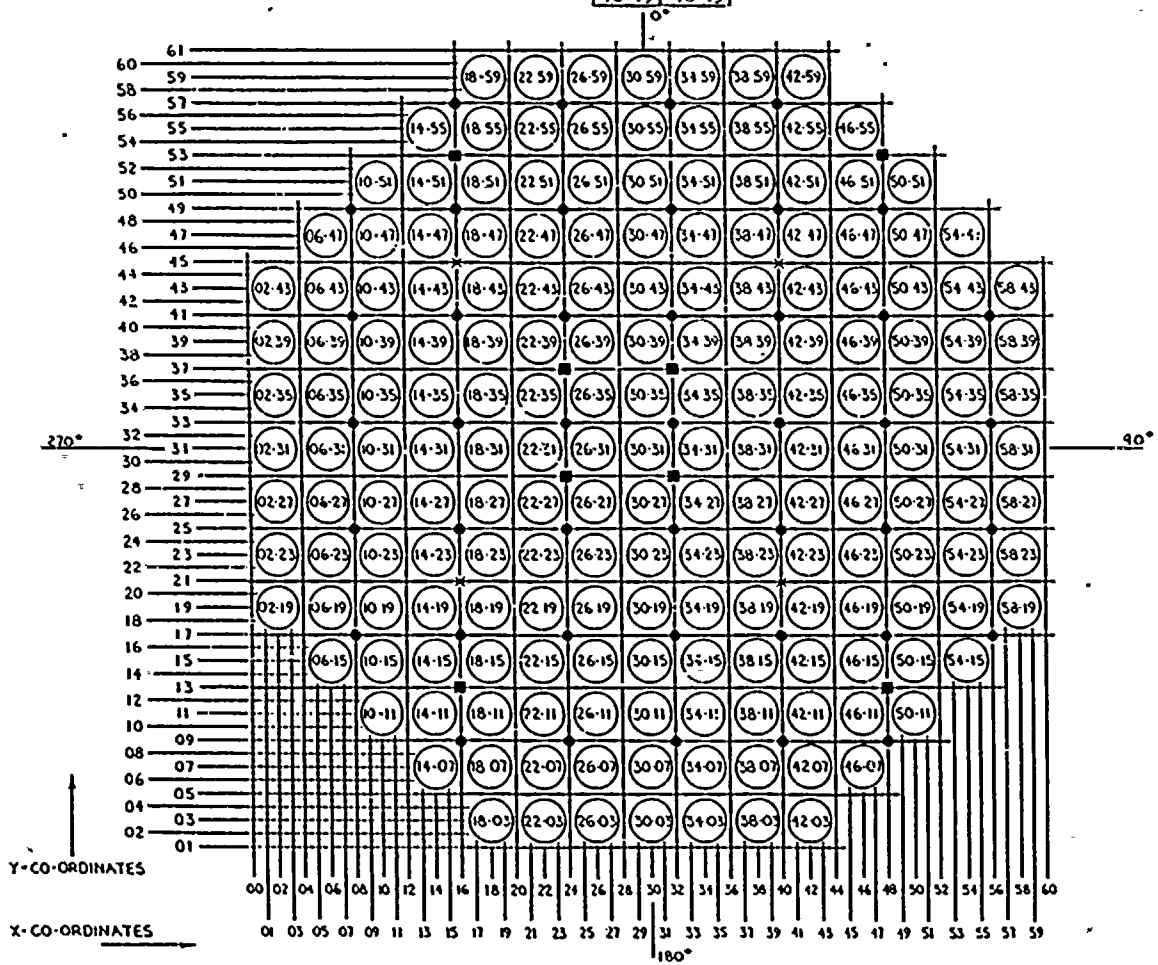
IRM IDENTIFICATION CO-ORDINATES (X-Y)

16-13	24-29	32-29	48-13
16-53	24 37	32-37	48-53

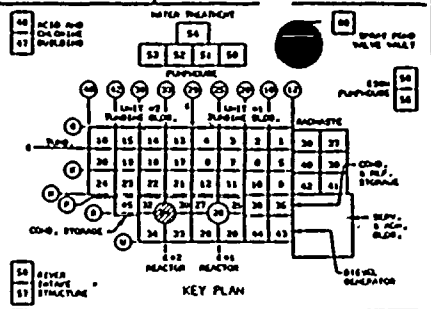
SRM IDENTIFICATION CO-ORDINATES (X-Y)

16-21	40-21
16-45	40-45

N



CONTROL ROD DRIVE CO-ORDINATES



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
16		[illegible]				[illegible]

LEGEND

●	LOCAL POWER RANGE MONITOR
■	INTERMEDIATE RANGE MONITOR
X	SOURCE RANGE MONITOR

REACTOR NUCLEAR PLANT	FF13012 SH.3402
REFERENCE TITLE	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

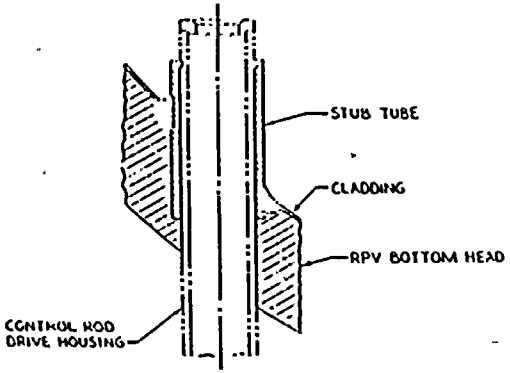
INSERVICE INSPECTION ISOMETRIC
CRD AND INCORE
PENETRATION IDENTIFICATION

AREA 31	ELEV.	SCALE- NONE

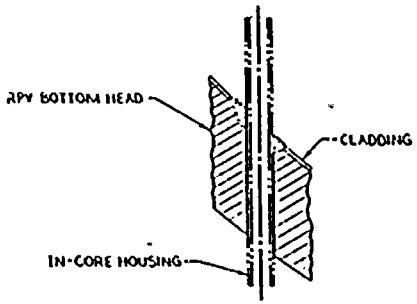
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO
C-199556	1	0

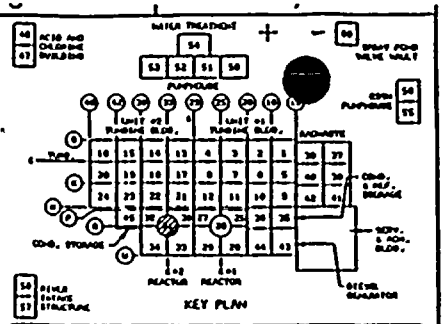
NE DRAWING NO.



CONTROL ROD DRIVE PENETRATION
(TYPICAL OF 185)



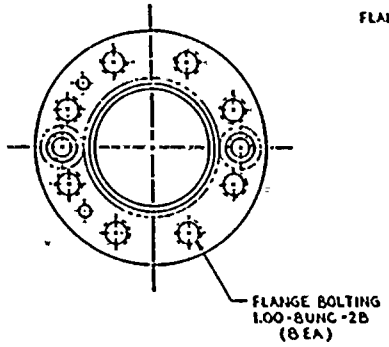
IN-CORE PENETRATION
(TYPICAL OF 55)

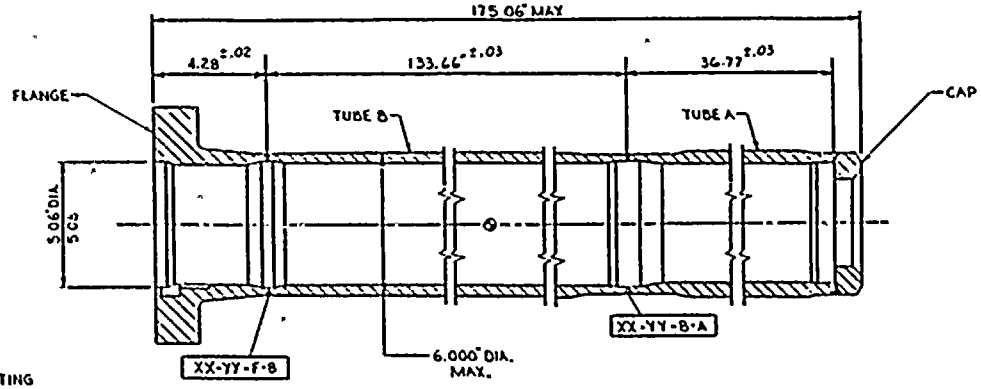


FLOOR LEVEL	PLANCHE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	754'-0"	754'-0"	754'-0"	754'-0"		
2	679'-0"	679'-0"	679'-0"	677'-0"	754'-0"	679'-0"
3	599'-0"	601'-0"	676'-0"	718'-0"	719'-0"	601'-0"
4	779'-0"	719'-0"	601'-0"		779'-11½"	719'-0"
5	792'-0"	754'-0"			754'-2½"	779'-0"
6	719'-0"	779'-0"			779'-0"	792'-0"
7		818'-0"				754'-0"
12					792'-0"	779'-0"
13					818'-0"	792'-0"
14		792'-0"				818'-0"

NOTES:

1. WELD LOCATION DIMENSIONS ARE APPROXIMATE AND ARE APPLICABLE TO THE PERIPHERAL HOUSINGS ONLY.
2. FOR ISI PURPOSE, THE WELD IDENTIFICATIONS ARE AS SHOWN, WHERE XX-YY DENOTES THE SPECIFIC CRD HOUSING CO-ORDINATES (SEE C-199556).
3. THE TUBE A TO CAP WELD IS NOT A PRESSURE RETAINING WELD AND THEREFORE IS NOT SUBJECT TO SECTION II EXAMINATION REQUIREMENTS.





CONTROL ROD DRIVE HOUSING WELD IDENTIFICATION
(SEE NOTES)

CAP, CONTROL ROD DRIVE HOUSING	135B957G
TUBE A, CONTROL ROD DRIVE HOUSING	117C1410
TUBE B, CONTROL ROD DRIVE HOUSING	117C1409
FLANGE, CONTROL ROD DRIVE HOUSING	9190259
CONTROL ROD DRIVE HOUSING BOLTING	FF113010 SH.2801 REV.4
CONTROL ROD DRIVE HOUSING BOLTING	FF113013 SH.3401 REV.1
REFERENCE TITLE	DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD/COMPONENT IDENTIFICATION
CRD HOUSING & IN-CORE PENETRATION

AREA 31 | ELEV. | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199557 | SHEET NO. 1 | REV. NO 0

AE DRAWING NO.

TOP & BOTTOM HEAD MERIDIAN WELD LOCATION

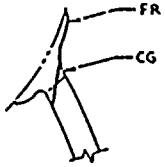
WELD	AZIMUTH	
DA	33°15'	BOTTOM HEAD
DB	333°15'	" "
DC	273°15'	" "
DD	213°15'	" "
DE	153°15'	" "
DF	93°15'	" "
DG	36 1/32	RIGHT OF ℄
DH	36 1/32	LEFT OF ℄
DJ	75°	TOP HEAD
DK	135°	" "
DM	195°	" "
DN	255°	" "
DP	315°	" "
DR	15°	" "

TOP HEAD NOZZLES

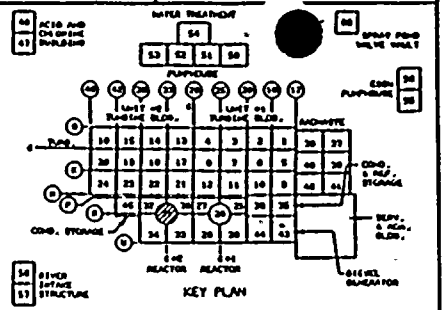
NOZZLE	AZIMUTH	DESCRIPTION
N6A	0°	HEAD SPRAY
N6B	180°	SPARE
N7	℄	VENT

TOP & BOTTOM HEAD CIRCUMFERENTIAL WELDS

NO.	LOCATION
CG	SKIRT-TO-KNUCKLE
AJ	BOTTOM HEAD
AH	TOP HEAD
AG	TOP HEAD TO HEAD FLG



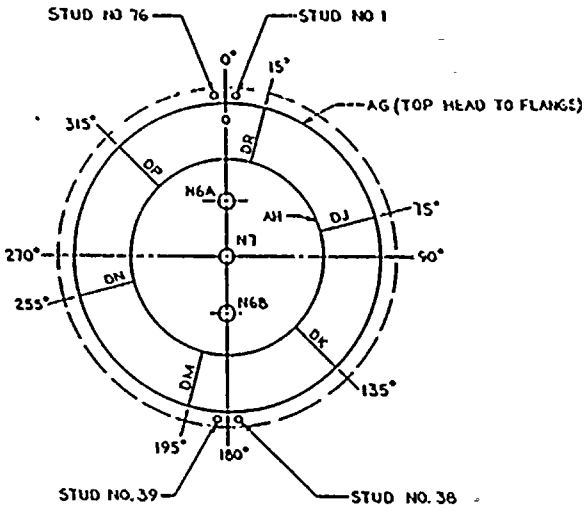
DETAIL A



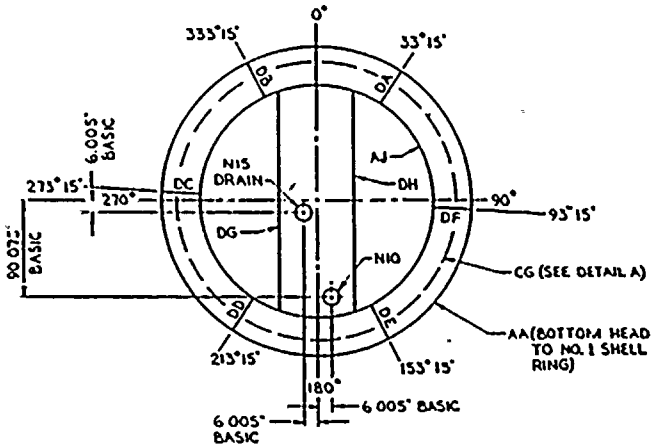
FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	AUXILIARY BLDG. EL.	DIESEL GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
13					[illegible]	[illegible]
14		[illegible]				[illegible]

NOTES:

1. FOR RADIOGRAPHIC REFERENCE MARK LOCATIONS SEE THE REFERENCED GENERAL ELECTRIC WELD IDENTIFICATION DRAWINGS.



PLAN VIEW
(OUTSIDE-TOP HEAD ASSEMBLY)



PLAN VIEW
(INSIDE-BOTTOM HEAD ASSEMBLY)

SEAM & PLATE IDENT.	FF-113012 SH.9401
WELD IDENTIFICATION (RPV)	FF-1071G0, SH.2304 REV.4
WELD IDENTIFICATION (RPV)	FF-1071G0, SH.2303 REV.5
REACTOR VESSEL	FF-113011, SH. 5101 REV.7
REFERENCE TITLE	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

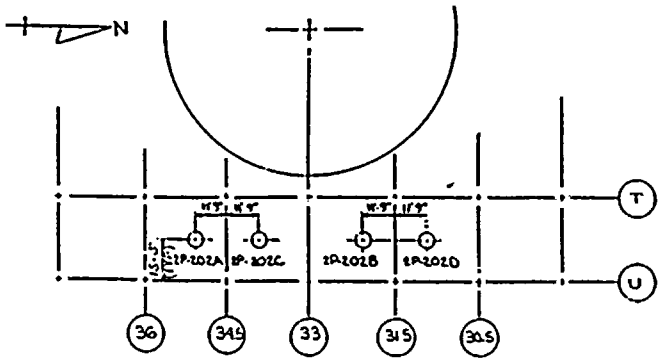
INSERVICE INSPECTION ISOMETRIC WELD/COMPONENT IDENTIFICATION REACTOR PRESS. VESSEL TOP & BTTM HEAD

AREA	ELEV.	SCALE- NONE

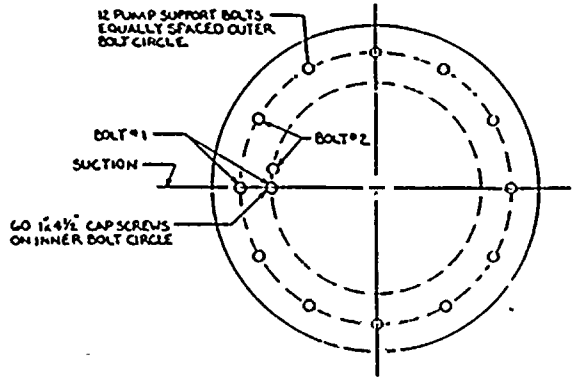
PENNSYLVANIA POWER & LIGHT COMPANY ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-199558	1	0

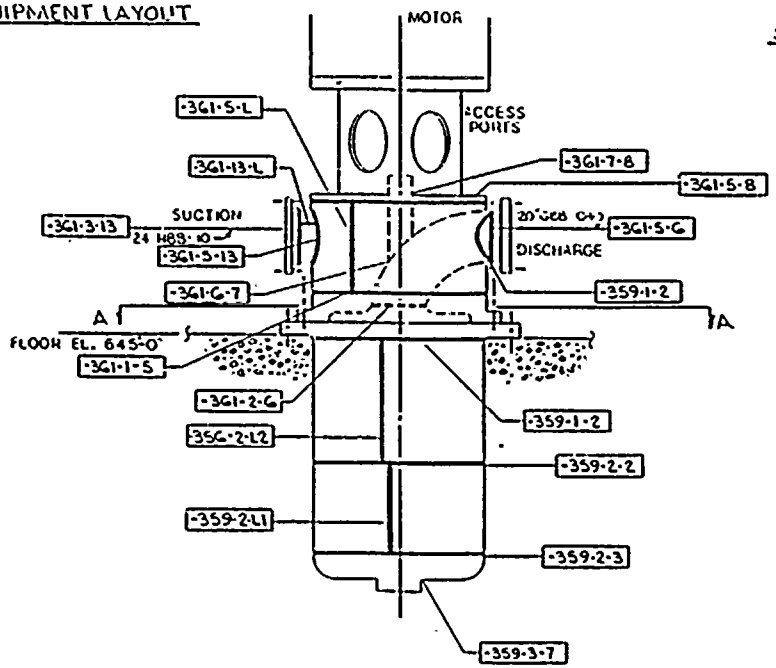
NE DRAWING NO.



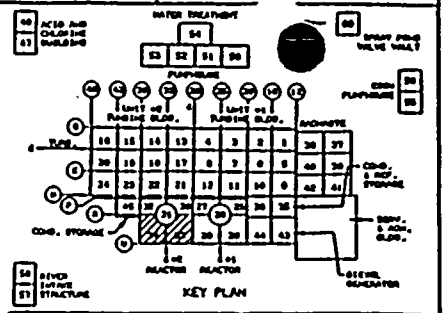
EQUIPMENT LAYOUT



SECTION A-A



ELEVATION VIEW THRU FLOOR



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ANCHORAGE BLDG. EL.	DIESEL GENERATOR EL.	CRYOGENIC REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]

NOTES:

1. COMPLETE WELD IDENTIFICATIONS HAVE PREFIX OF 2P-202X, WHERE X IS THE LETTER OF THE PIPING LOOP FOR EACH OF THE FOUR PUMPS.
2. FOR PUMP DRAWING SEE INGERSOLL-RAND 34-APKD SCHMT PL N P-112, 4PKD PUMP P50-113

INGERSOLL-RAND APK PUMP P50-113 REV.1	
M-34-1	E-106184 SH.1
M-33-1	E-106183 SH.1
M-2151 (RHR)	E-105951
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

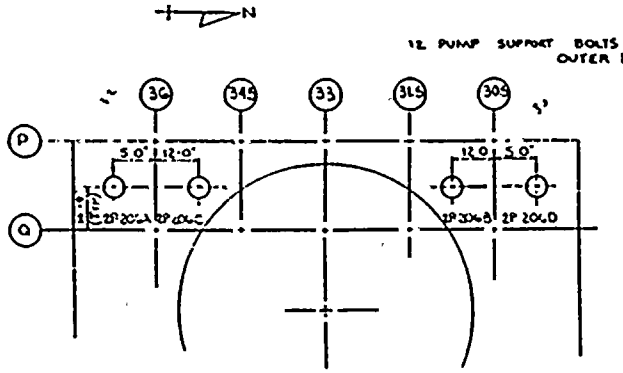
INSERVICE INSPECTION ISOMETRIC
WELD/COMPONENT IDENTIFICATION
RHR PUMP 2P-202 A,B,C,D

AREA 33,34 | ELEV. 645'-0" | SCALE- NONE

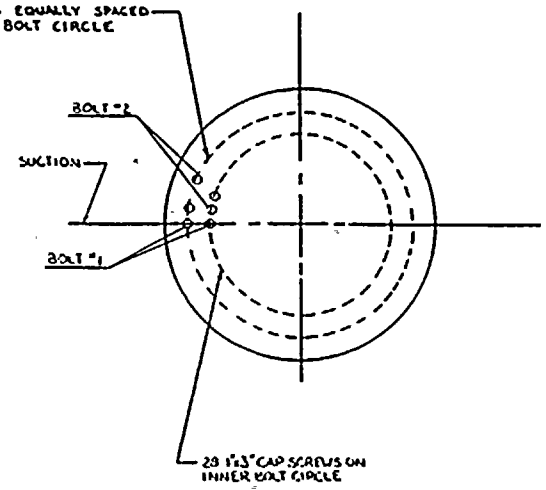
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199559 | SHEET NO. 1 | REV. NO 0

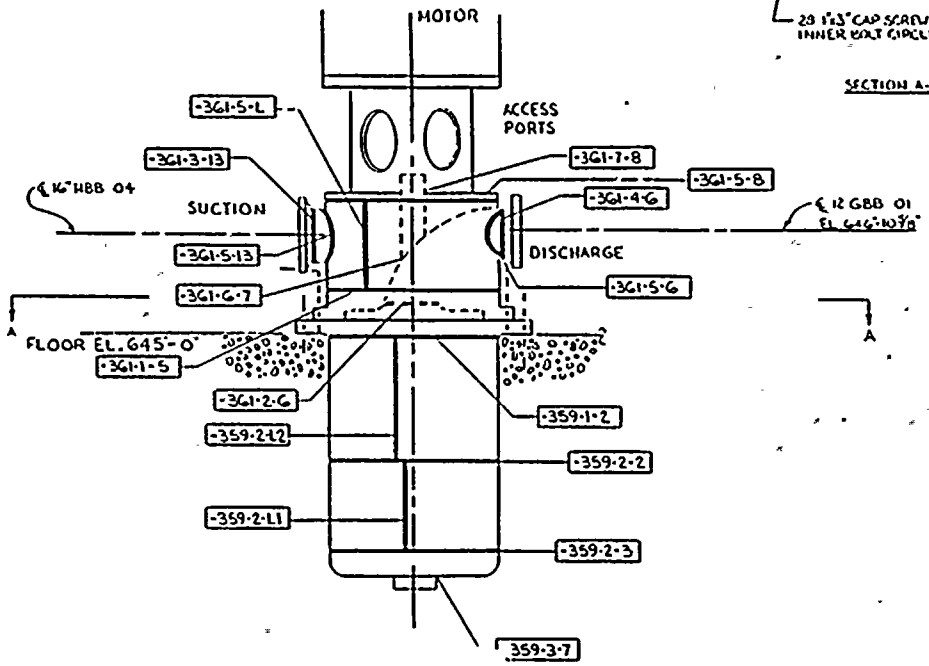
AE DRAWING NO.



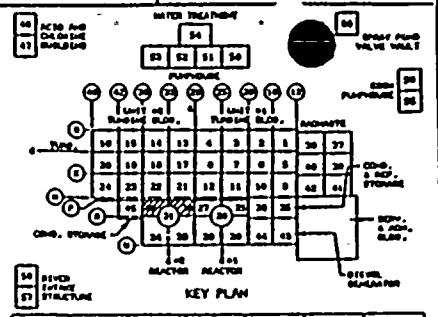
EQUIPMENT LAYOUT



SECTION A-A



ELEVATION VIEW THRU FLOOR



KEY PLAN

FLOOR LEVEL	PUMPHOUSE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	650'-0"	649'-0"	649'-0"	649'-0"		
2	676'-0"	676'-0"	676'-0"	672'-0"	704'-0"	676'-0"
3	699'-0"	697'-0"	676'-0"	714'-0"	713'-3"	699'-0"
4	719'-0"	715'-0"	691'-0"		728'-11 1/4"	715'-0"
5	732'-0"	749'-1"			754'-11 1/4"	729'-0"
6	745'-0"	779'-1"			779'-1"	745'-0"
7		818'-1"				754'-0"
12					783'-1"	774'-0"
15					809'-0"	793'-0"
19		799'-1"				809'-0"

NOTES:

1. COMPLETE WELD IDENTIFICATIONS HAVE PREFIX OF 2P-206 x, WHERE x IS THE LETTER OF THE PIPING LOOP FOR EACH OF FOUR PUMPS.

2. FOR PUMP DWG SEE INGERSOLL-RAND C-25-6-AP-1086 x 7-8, REV. 2 PBO-113, REV. 1 - SEE I.O.M.

M-32-1	E-10G182 SH.1
M-30-1	E-10G180 SH.1
M-2152 (C.S.)	E-105952
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

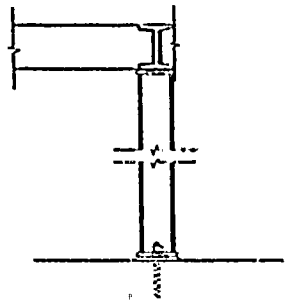
INSERVICE INSPECTION ISOMETRIC
WELD/COMPONENT IDENTIFICATION
CORE SPRAY PUMP 2P-206 A,B,C,D

AREA 30,32 | ELEV. 645'-0" | SCALE- NONE

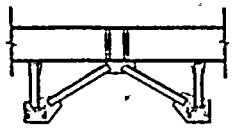
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199560 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO.

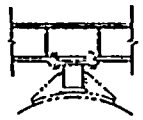


SECTION A-A

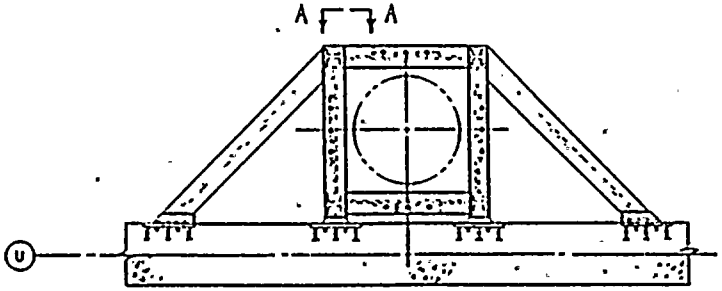


SECTION B-B

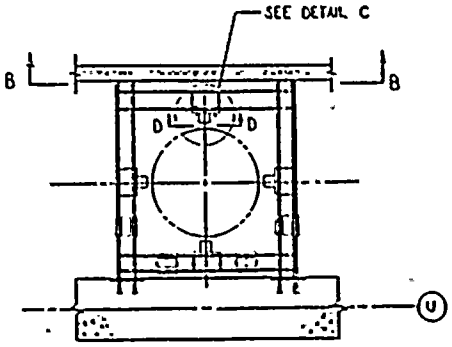
SECTION D-D



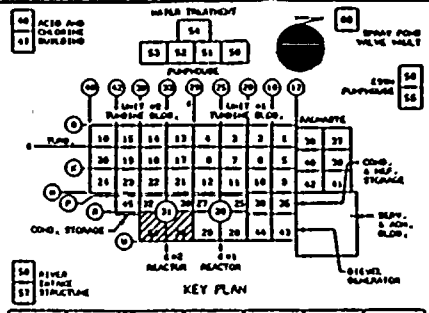
DETAIL C



PLAN OF LOWER SUPPORT



PLAN OF UPPER SUPPORT



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	645'-0"	649'-0"	648'-0"		
2	679'-0"	679'-0"	688'-0"	677'-0"	701'-0"	679'-0"
3	698'-0"	693'-0"	679'-0"	718'-0"	713'-1"	698'-0"
4	713'-0"	713'-0"	691'-0"		728'-11 1/4"	713'-0"
5	742'-0"	749'-1"			754'-11 1/4"	742'-0"
6	755'-0"	779'-1"			779'-1"	755'-0"
7		818'-1"				754'-0"
12					781'-1"	771'-0"
14					808'-0"	797'-0"
19		799'-1"				808'-0"

HEAT EXCHANGER SUPPORTS C-049	E-105642
M-33-1	E-106183 SH.1
M-34-1	E-106184 SH.1
M-2151 (RHR)	E-105951
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE					

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT 2

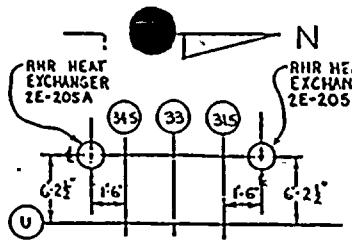
INSERVICE INSPECTION ISOMETRIC
COMPONENT SUPPORT IDENTIFICATION
ISI RHR HEAT EXCHGR. 2E-205 A AND B

AREA 33,34 | ELEV. 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199561 | SHEET NO. 1 | REV. NO. 0

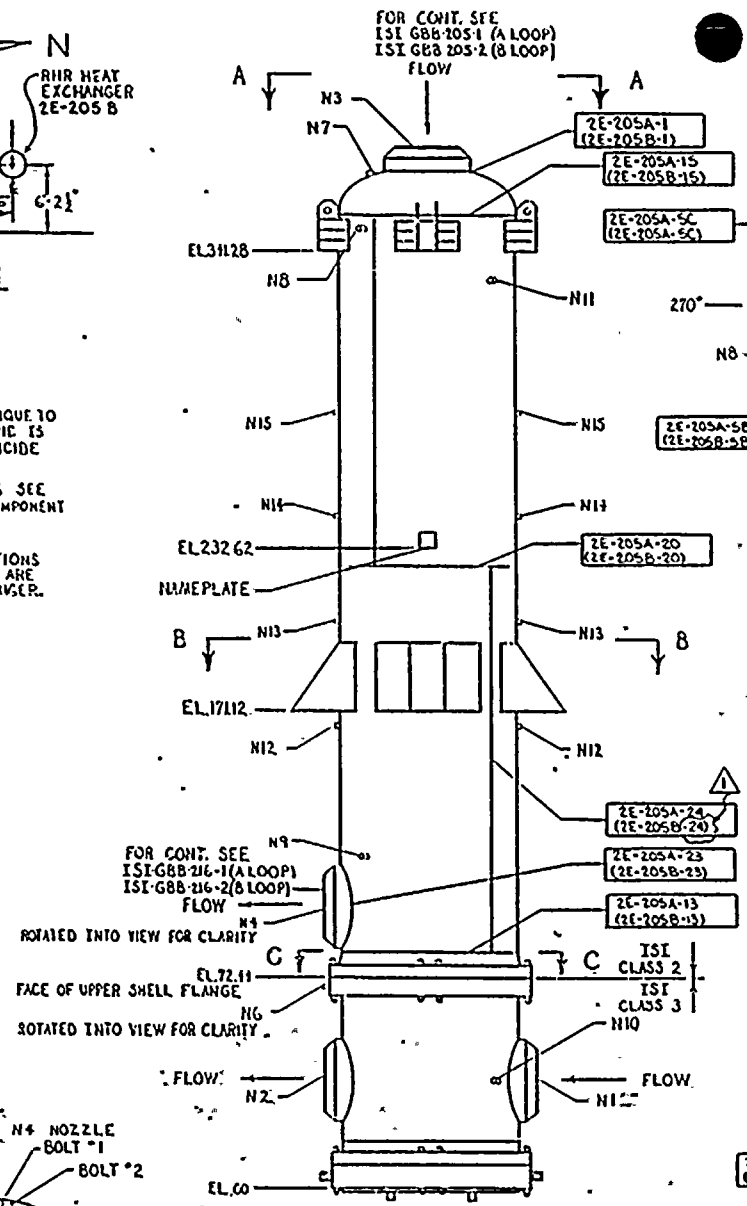
AE DRAWING NO.

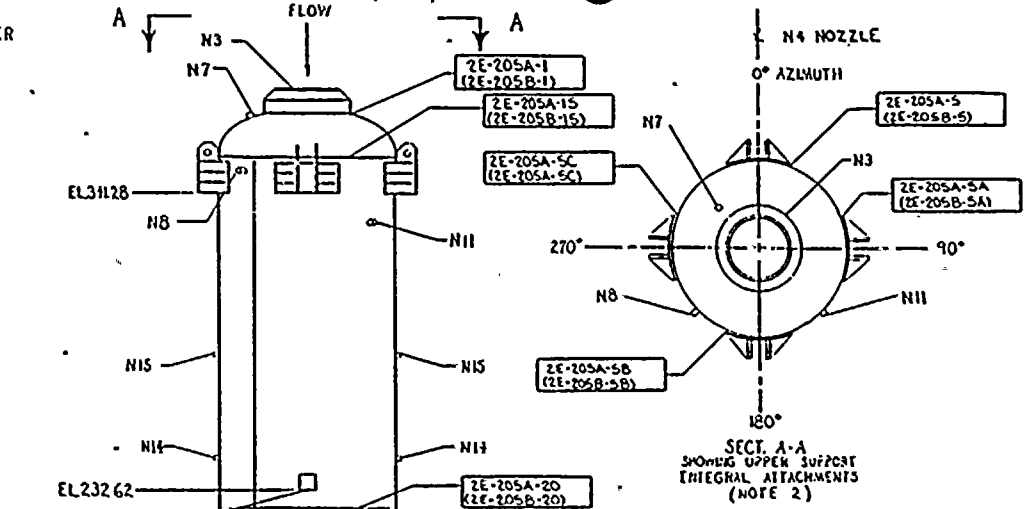


EQUIPMENT LOCATION

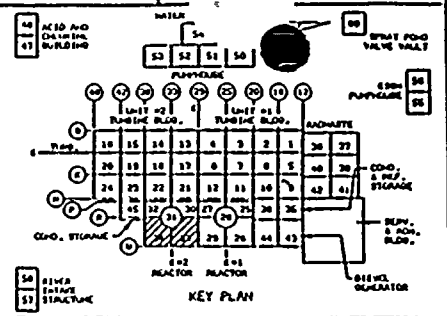
NOTES:

1. 0° AZIMUTH SHOWN IS UNIQUE TO RHR HEAT EXCHANGER AND IS NOT INTENDED TO COINCIDE WITH PLANT 0°.
2. FOR SUPPORT DETAILS SEE INSERVICE INSPECTION COMPONENT SUPPORT IDENTIFICATION DRAWING #C-199561
3. COMPONENT IDENTIFICATIONS SHOWN IN PARENTHESIS ARE FOR THE "B" HEAT EXCHANGER.

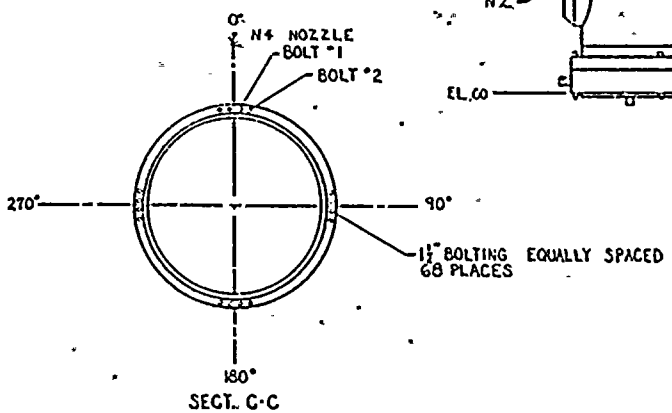




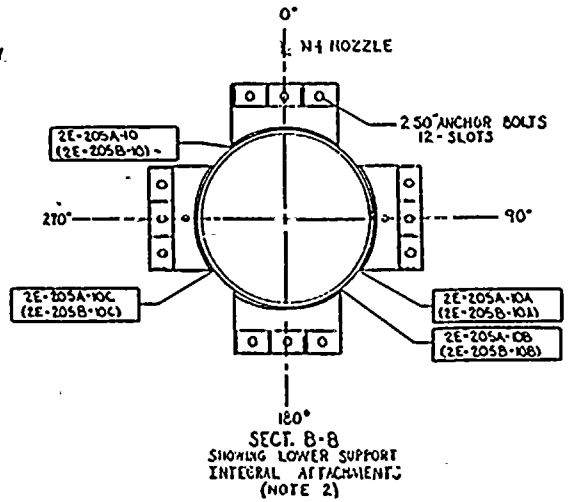
SECT. A-A
SHOWING UPPER SUPPORT INTEGRAL ATTACHMENTS (NOTE 2)



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	650'-0"	645'-0"	644'-0"	660'-0"		
2	679'-0"	679'-0"	660'-0"	677'-0"	701'-0"	679'-0"
3	697'-0"	697'-0"	679'-0"	718'-0"	719'-6"	697'-0"
4	719'-0"	719'-0"	691'-0"		739'-11½"	719'-0"
5	737'-0"	739'-6"			757'-11½"	737'-0"
6	757'-0"	779'-6"			779'-6"	757'-0"
7		818'-6"				757'-0"
12					781'-6"	771'-0"
15					808'-0"	793'-0"
19		799'-6"				808'-0"



SECT. C-C



SECT. B-B
SHOWING LOWER SUPPORT INTEGRAL ATTACHMENTS (NOTE 2)

MILL INDUSTRIES DWG. #85C4-395900 DETAIL HEAT EXCHANGER GE-7E1E967	FF-124510 SH.2301 REV.4
M-34-1	E-106184 SH.1
M-33-1	E-106183 SH.1
M-2151 (RHR)	E-105951
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
1	INCORP. DCN 10 (85-5C4C).				
0	INITIAL ISSUE				

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 2

INSERVICE INSPECTION ISOMETRIC
WELD/COMPONENT IDENTIFICATION
ISI RHR HEAT EXCHGR. 2E-205 A AND B

AREA 33, 34 | ELEV. 645'-0" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO. C-199555 | SHEET NO. 1 | REV. NO. 1

AE DRAWING NO. M-612 SH.1

VERTICAL WELD LOCATION

NO.	AZIMUTH	SHELL COURSE
BA	317° 30'	1
BB	77° 30'	1
BC	197° 30'	1
BD	345°	2
BE	105°	2
BF	225°	2
BG	0°	3
BH	120°	3
BJ	240°	3
BK	345°	4
BM	165°	4
BN	130°	5
BP	310°	5

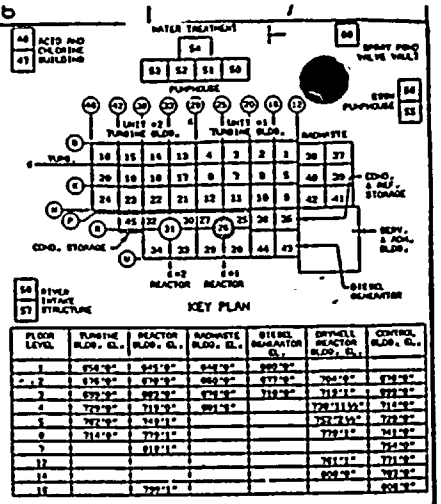
CIRCUMFERENTIAL WELD LOCATION

NO.	ELEVATION
AA	10'-6½"
AB	21'-11½"
AC	33'-4½"
AD	44'-9½"
AE	51'-11½"
AF	59'-7 19/32"

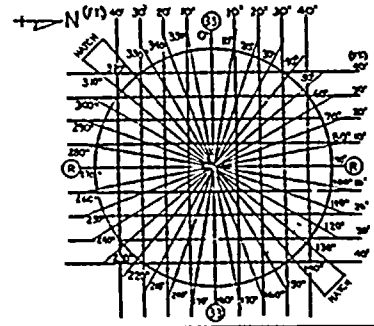
NOZZLE LOCATION

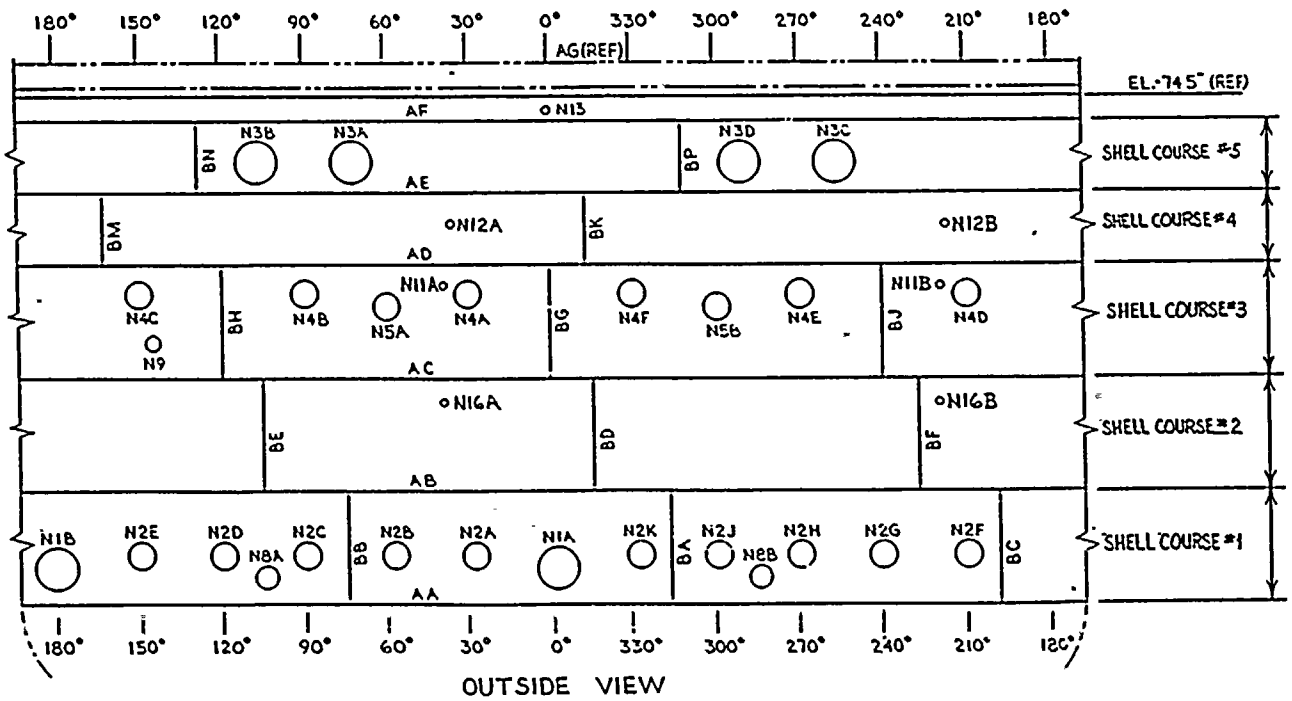
NOZZLE	VESSEL AZIMUTH	VESSEL ELEVATION	DESCRIPTION
N1A	0°	13'-5½"	RECIRC. OUTLET
N1B	180°	13'-5½"	RECIRC. OUTLET
N2A	30°	15'-1"	RECIRC. INLET
N2B	60°	15'-1"	" "
N2C	90°	15'-1"	" "
N2D	120°	15'-1"	" "
N2E	150°	15'-1"	" "
N2F	210°	15'-1"	" "
N2G	240°	15'-1"	" "
N2H	270°	15'-1"	" "
N2J	300°	15'-1"	" "
N2K	330°	15'-1"	" "
N3A	72°	54'-10½"	MAIN STEAM
N3B	108°	54'-10½"	" "
N3C	252°	54'-10½"	" "
N3D	288°	54'-10½"	" "
N4A	30°	41'-6½"	FEEDWATER
N4B	90°	41'-6½"	"
N4C	150°	41'-6½"	"
N4D	210°	41'-6½"	"
N4E	270°	41'-6½"	"
N4F	330°	41'-6½"	"
N5A	60°	40'-4½"	CORE SPRAY
N5B	300°	40'-4½"	" "
N8A	105°	12'-8"	JET PUMP INSTR
N8B	285°	12'-8"	" " "
N9	146°	37'-4½"	CRD RETURN

NOZZLE	VESSEL AZIMUTH	VESSEL ELEVATION	DESCRIPTION
N10	BOTTOM	HEAD	CORE DIFFERENTIAL PRESS. & LIQ. CONTR.
N11A	40°	43'-1"	INSTRUMENTATION
N11B	220°	43'-1"	"
N12A	40°	49'-11"	"
N12B	220°	49'-11"	"
N13	0°	57'-11¾"	SEAL LEAK DETECT.
N15	BOTTOM	HEAD	DRAIN
N16A	40°	30'-6"	INSTRUMENTATION
N16B	220°	30'-6"	INSTRUMENTATION



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-9"	645'-9"	646'-9"	660'-9"		
1.2	676'-9"	676'-9"	686'-9"	677'-9"	704'-9"	676'-9"
2	692'-9"	692'-9"	676'-9"	718'-9"	713'-1"	692'-9"
4	722'-9"	713'-9"	691'-9"		728'-11 1/2"	714'-9"
5	742'-9"	740'-1"			732'-2 1/2"	728'-9"
8	754'-9"	772'-1"			772'-1"	741'-9"
9		818'-1"				754'-9"
12					781'-1"	771'-9"
14					804'-9"	787'-9"
16		799'-1"				804'-9"





OUTSIDE VIEW

NOTES:

1. VESSEL ELEV. 0" = PLANT ELEV. 732'-4"
2. FOR RADIOGRAPHIC REFERENCE MARK LOCATIONS SEE THE REFERENCED GENERAL ELECTRIC WELD IDENTIFICATION DRAWINGS.

KO-768-0097 SHT 1	FF-107160 SHT. 1701
KO-768-0097 SHT. 2	FF 107160 SHT. 1702
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE				

QUALITY RELATED ASME SECTION XI

SUSQUEHANNA S.E.S.
UNIT 2
INSERVICE INSPECTION
WELD/COMPONENT IDENTIFICATION
REACTOR PRESSURE VESSEL SHELL

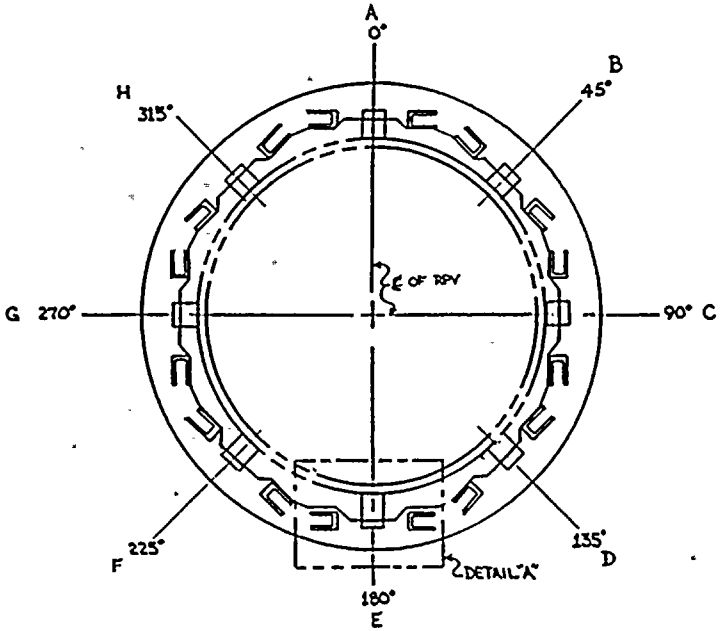
AREA N/A | ELEV. N/A | SCALE N/A

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

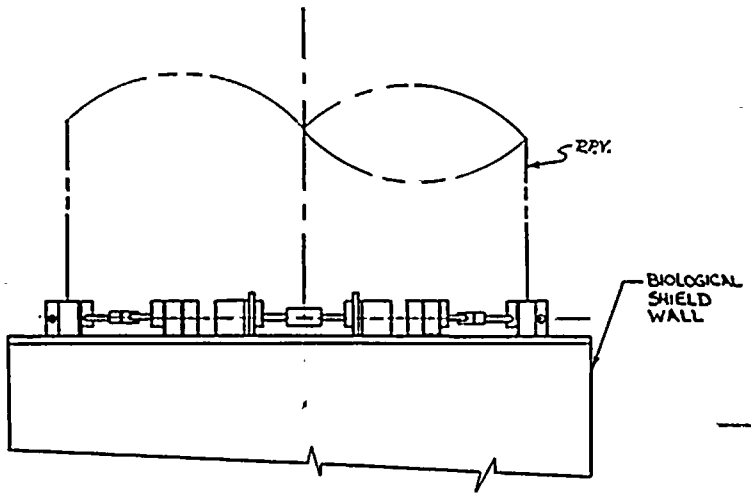
PP&L DRAWING NO. C-205719 | SHEET NO. 1 | REV. NO. 0

AE DRAWING NO. M-588

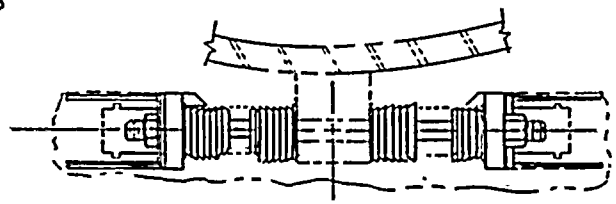
W. STO
TOOLS



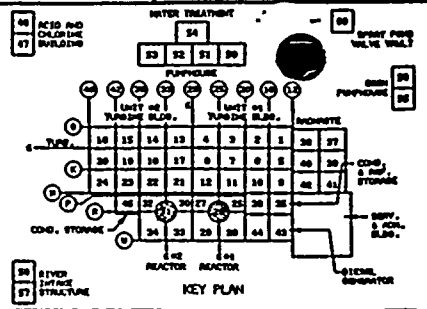
PLAN
(TYP. 8 PLACES)



ELEVATION



DETAIL "A"
(TYP. 8 PLACES)



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
18		[illegible]				[illegible]

M1-B11-19	FF-113010 SH.1901
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT-1&2

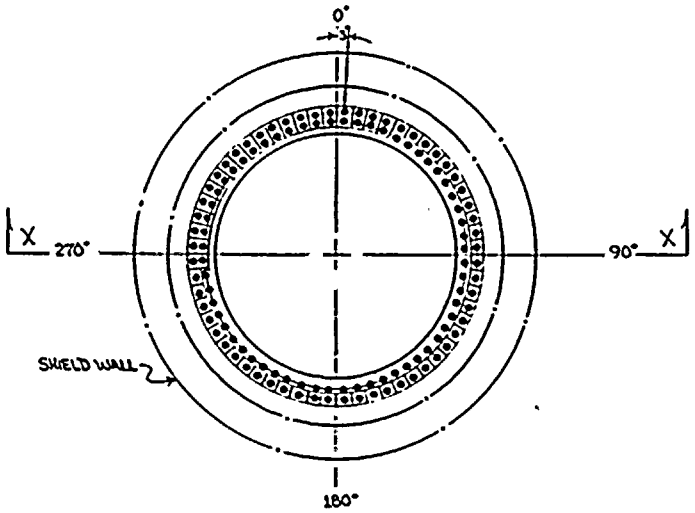
INSERVICE INSPECTION DRAWING
STABILIZER BRACKETS

AREA-26&31 | ELEV:719'-1" | SCALE- NONE

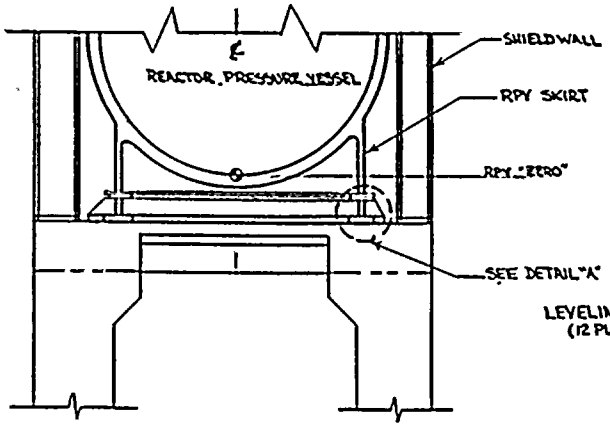
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-205754	1	0

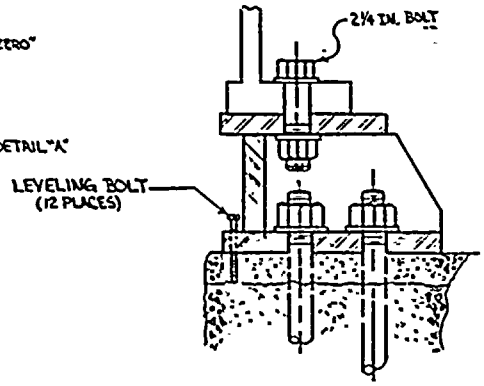
AE DRAWING NO.
M-610



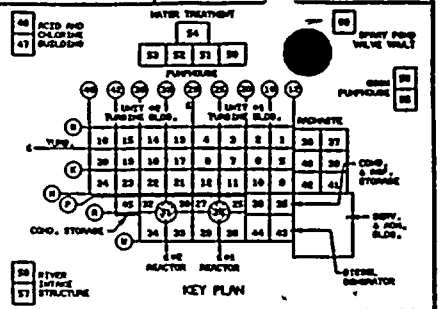
PLAN



SECTION X-X



DETAIL "A"



KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	STEAM GENERATOR EL.	CATWALK REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	659'-0"	645'-0"	644'-0"	644'-0"		
2	679'-0"	679'-0"	680'-0"	677'-0"	704'-0"	679'-0"
3	688'-0"	693'-0"	678'-0"	719'-0"	719'-0"	688'-0"
4	729'-0"	719'-0"	691'-0"		728'-11 1/4"	714'-0"
5	752'-0"	740'-1"			732'-2 1/4"	728'-0"
6	714'-0"	770'-1"			770'-1"	741'-0"
7		819'-1"				754'-0"
12					791'-1"	771'-0"
14					808'-0"	792'-0"
19		799'-1"				808'-0"

M1-B11-22	FF-113010 SH. 2201
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
.0	INITIAL ISSUE	RK	TJ	BK	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT-1&2

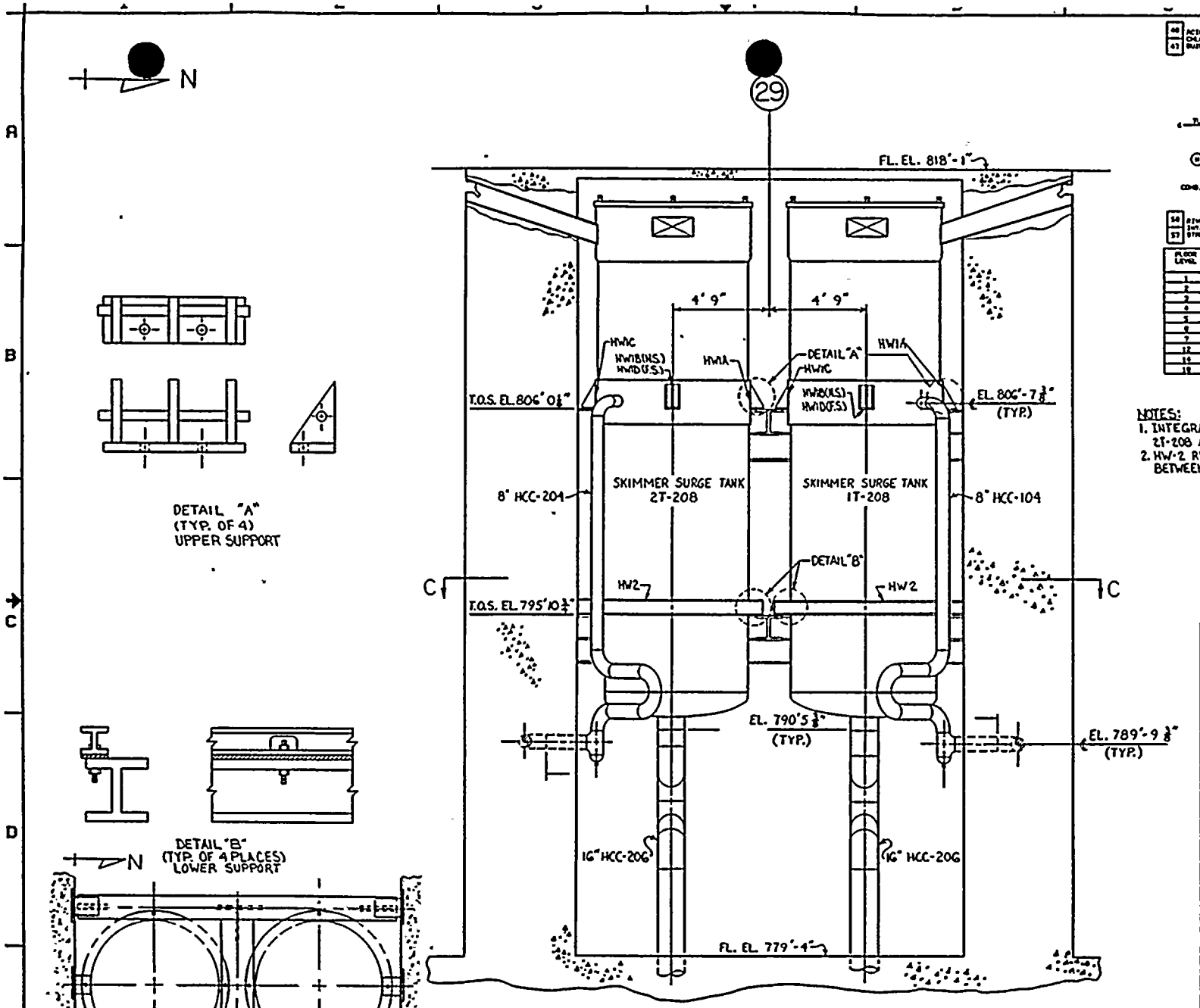
INSERVICE INSPECTION DRAWING
R.P.V. SKIRT

AREA-26&31 | ELEV.-719'-1" | SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

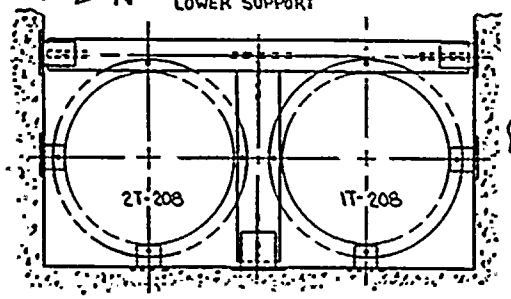
PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-205755	1	0

AE DRAWING NO.
M-611

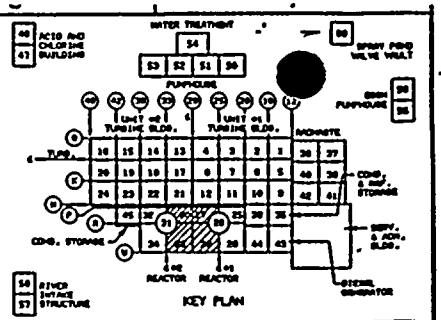


DETAIL "A"
(TYP. OF 4)
UPPER SUPPORT

DETAIL "B"
(TYP. OF 4 PLACES)
LOWER SUPPORT



SECTION C-C
FRAMING PLAN @ EL. 795'-10 3/4"



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	MONITOR BLDG. EL.	DIESEL GENERATOR EL.	OFFWALL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	844'-9"	845'-9"	849'-9"	848'-9"		
2	873'-9"	873'-9"	888'-9"	877'-9"	794'-9"	878'-9"
3	888'-9"	893'-9"	873'-9"	718'-9"	718'-1"	888'-9"
4	718'-9"	718'-9"	881'-9"		718'-11 1/2"	718'-9"
5	742'-9"	744'-1"			742'-11 1/2"	718'-9"
6	714'-9"	779'-1"			779'-1"	741'-9"
7		818'-1"				754'-9"
12					791'-1"	771'-9"
14					818'-9"	783'-9"
19		799'-1"				818'-9"

NOTES:
1. INTEGRAL ATTACHMENT WELDS HAVE PREFIXES OF 2T-208 AND 1T-208 RESPECTIVELY.
2. HW-2 REFERS TO THE ENTIRE CIRCUMFERENTIAL WELD BETWEEN THE BEAM AND THE TANK.

C-980	E-105757
M-29-9	E-106179 SH. 9
M-90-3-2	FF-106400 SH. 301
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	CM	—	JM	2/16/78

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S. UNIT 1 & 2

INSERVICE INSPECTION ISOMETRIC
COMPONENT SUPPORT IDENTIFICATION
SKIMMER SURGE TANKS 1T-208 & 2T-208

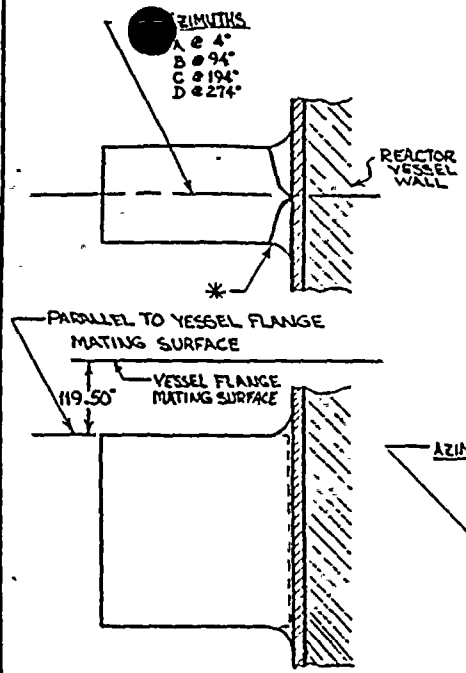
AREA	ELEV.	SCALE- NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

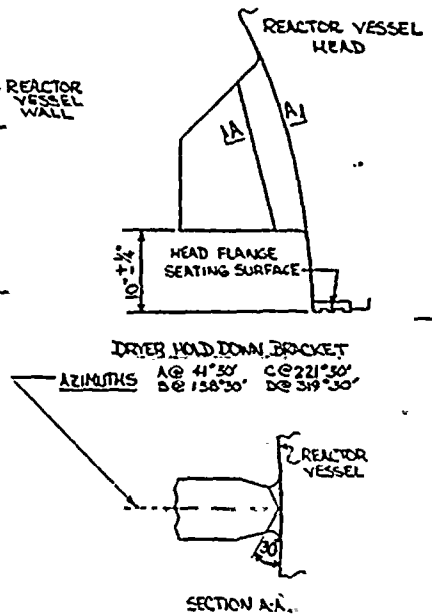
PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-201269	1	0

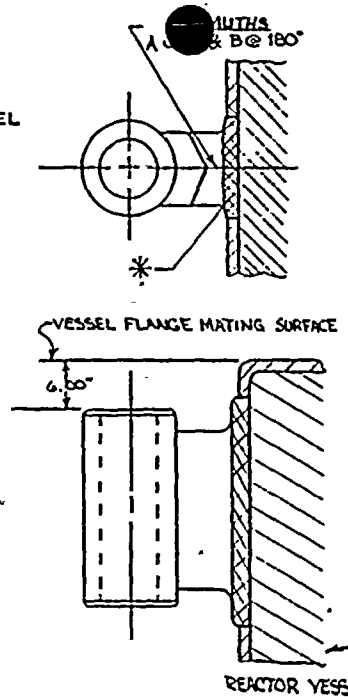
AE DRAWING NO. M-619 SHT 1

FRACTIONAL DECIMAL LOCATION CODES SORTS

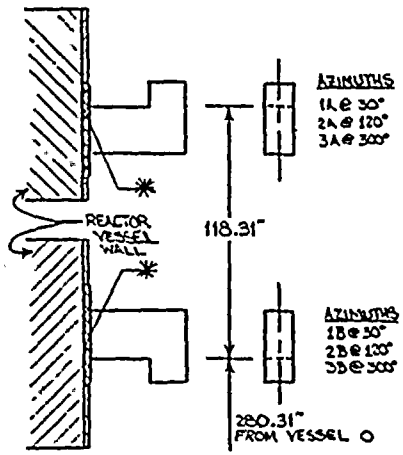


STEAM DRYER SUPPORT BRACKET

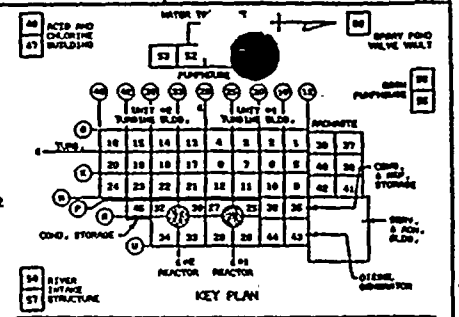




GUIDE ROD BRACKET



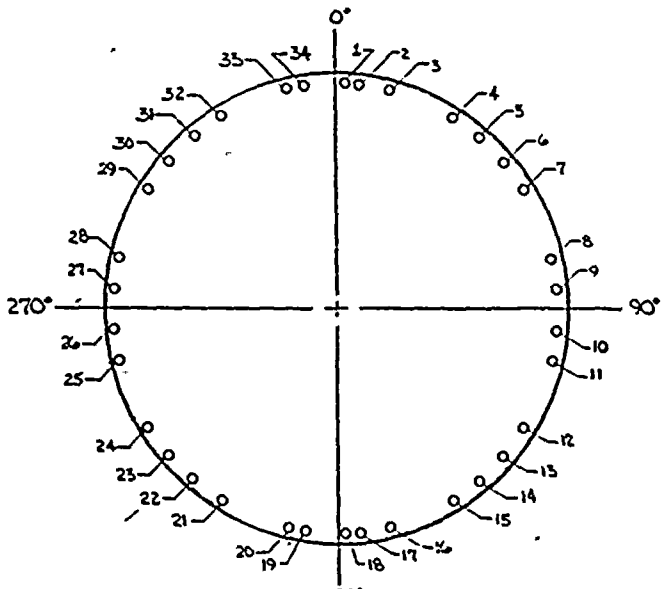
SURVEILLANCE SPECIMEN BRACKETS



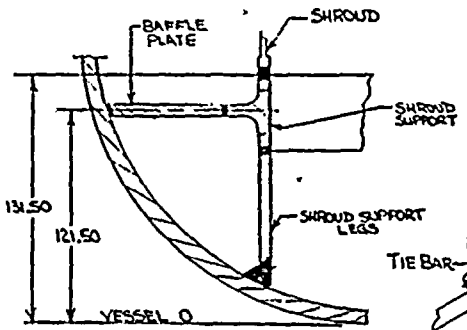
KEY PLAN

FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	ADMINISTR. BLDG. EL.	DIESEL GENERATOR EL.	CONTROL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	654'-0"	645'-0"	649'-0"	699'-0"		
2	679'-0"	679'-0"	699'-0"	677'-0"	704'-0"	679'-0"
3	699'-0"	693'-0"	679'-0"	718'-0"	719'-1"	699'-0"
4	729'-0"	719'-0"	691'-0"		738'-11 1/16"	719'-0"
5	743'-0"	749'-1"			754'-7 1/16"	729'-0"
6	754'-0"	779'-1"			779'-1"	743'-0"
7		818'-1"				754'-0"
12					791'-1"	779'-0"
14					818'-1"	793'-0"
18		798'-1"				818'-0"

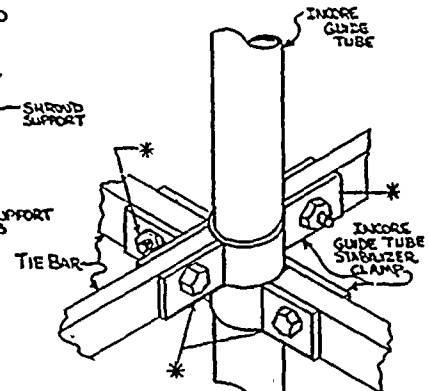
* DENOTES WELD LOCATION



CORE SUPPORT PLATE BOLTS



SHROUD SUPPORT



INCORE GUIDE TUBE STABILIZERS (TYPICAL)

M1-B11-1 SH 2	FF-113010 SH. 0102		
M1-B11-1 SH.4	FF-113010 SH 0104		
M1-B11-96 SH.1	FF-113010 SH. 9601		
M1-B11-280 SH.1	FF-113012 SH 8001		
M1-B11-32 SH.1	FF-113010 SH.3201		
AE DRAWING NO.	PP&L DRAWING NO.		
REFERENCE DRAWINGS			
0	INITIAL ISSUE		
REV	DESCRIPTION	DR	CH	APPROVED	DATE

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT-1 & 2

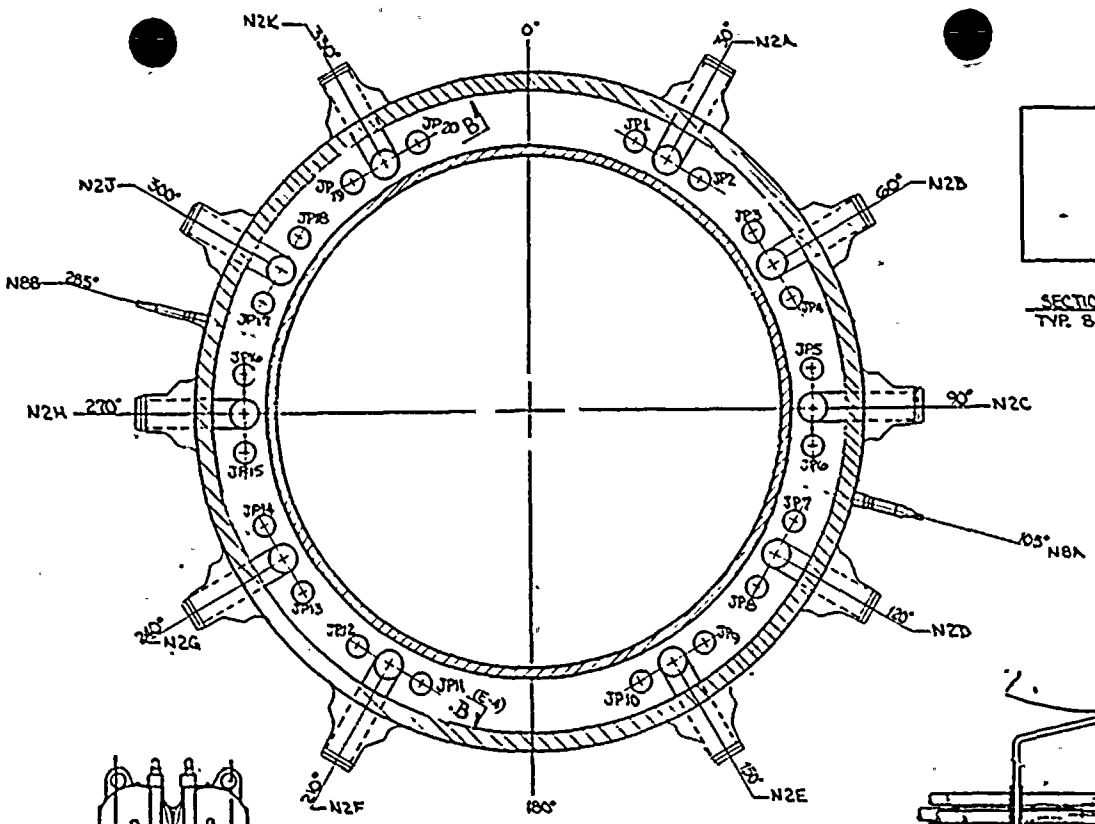
INSERVICE INSPECTION DRAWING
EXAMINATION CATEGORIES
B-N-1 & B-N-2

AREA-2&31	ELEV. 719'-4"	SCALE- NONE

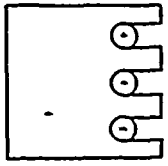
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-199587	2	0

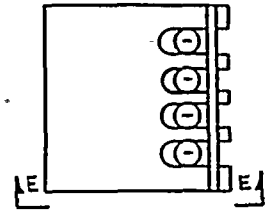
AE DRAWING NO.
ISI-RPV-INT-001 SH. 2



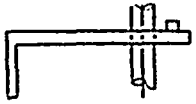
JET PUMP ORIENTATION



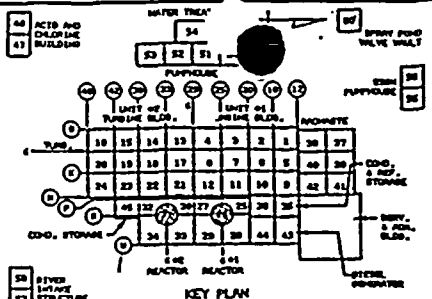
SECTION C-C (E-4)
TYP. 8 PLACES



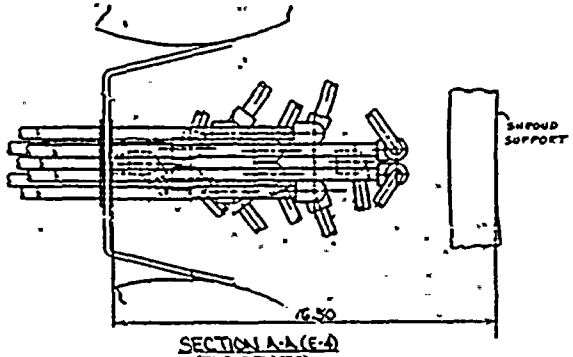
SECTION D-D (E-4)
TYP. 6 PLACES



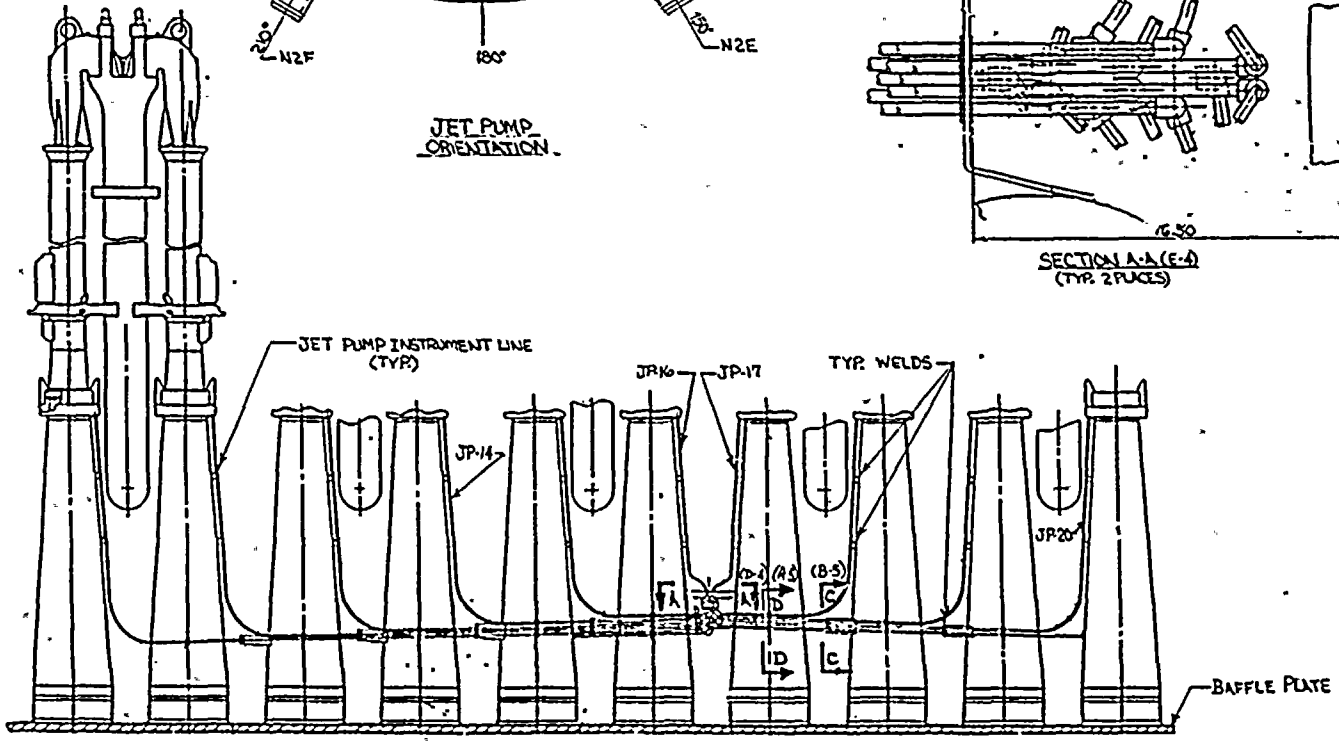
SECTION E-E



FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	DRYWELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	[illegible]	[illegible]	[illegible]	[illegible]		
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
5	[illegible]	[illegible]			[illegible]	[illegible]
6	[illegible]	[illegible]			[illegible]	[illegible]
7		[illegible]				[illegible]
12					[illegible]	[illegible]
14					[illegible]	[illegible]
19		[illegible]				[illegible]



SECTION A-A (E-4)
(TYP. 2 PLACES)



DEVELOPED VIEW B-B (C-2)
JET PUMP INSTRUMENTATION

M1-211-234	FF-115012 SH.3402
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
0	INITIAL ISSUE	RC	[illegible]	[illegible]	[illegible]

QUALITY RELATED ASME SECT. XI

SUSQUEHANNA S.E.S.
UNIT- 1&2

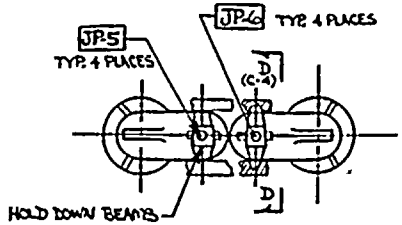
INSERVICE INSPECTION DRAWING
EXAMINATION CATEGORIES
B-N-1 & B-N-2

AREA-26&31 | ELEV.-719'-1" | SCALE- NONE

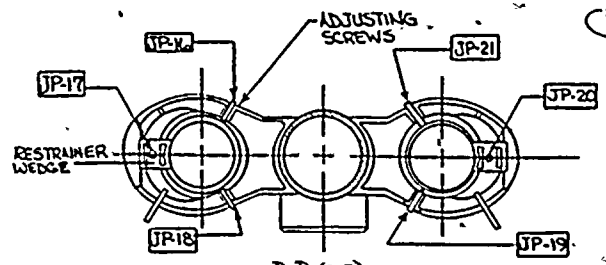
PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-199587	3	0

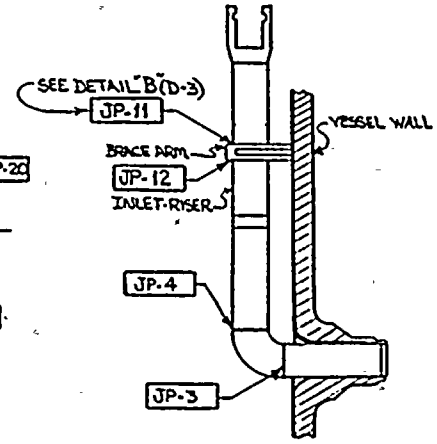
AE DRAWING NO. ISI-RPV-INT-001 SHT.3



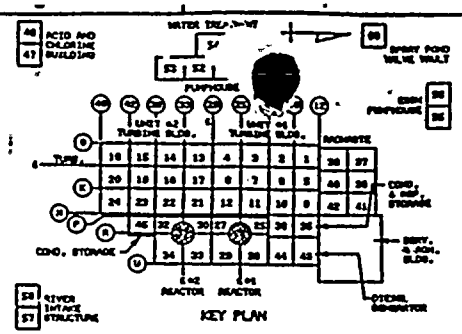
A-A (B-2)



B-B (C-2)

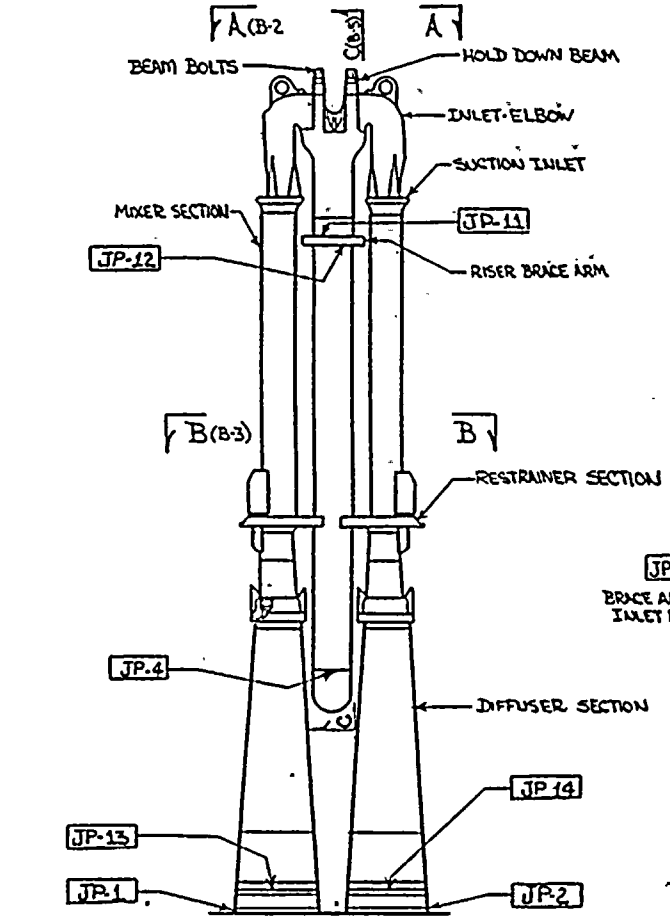


C-C (B-2)

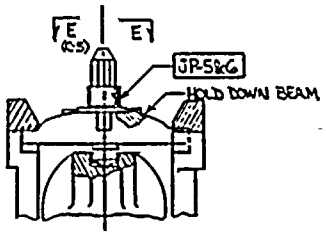


KEY PLAN

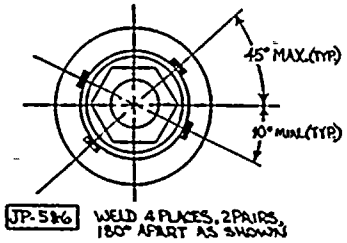
FLOOR LEVEL	TURBINE BLDG. EL.	REACTOR BLDG. EL.	RADWASTE BLDG. EL.	DIESEL GENERATOR EL.	CATHELL REACTOR BLDG. EL.	CONTROL BLDG. EL.
1	933'-0"	845'-0"	845'-0"	899'-0"		
2	879'-0"	879'-0"	880'-0"	877'-0"	799'-0"	878'-0"
3	899'-0"	882'-0"	879'-0"	719'-0"	719'-1"	882'-0"
4	772'-0"	713'-0"	881'-0"		738'-11 1/4"	714'-0"
5	752'-0"	749'-1"			752'-7 1/4"	728'-0"
6	714'-0"	777'-1"			779'-1"	741'-0"
7		815'-1"				754'-0"
12					791'-1"	771'-0"
14					809'-0"	782'-0"
19		779'-1"				899'-0"



JET PUMP ASSEMBLY

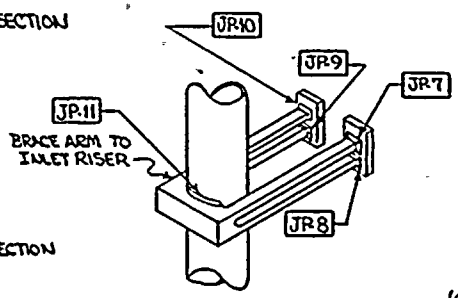


D-D (A-2)

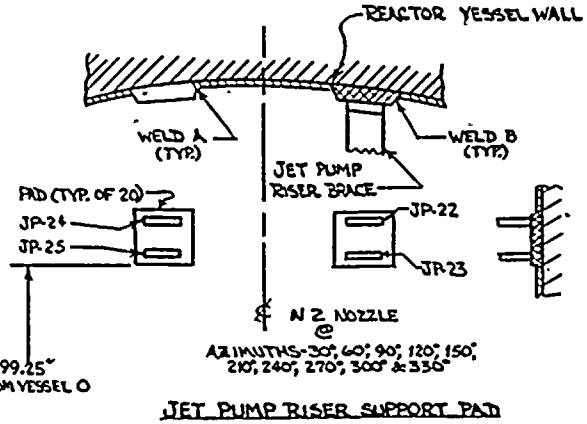


E-E (B-4)

JP-XX DENOTES WELD LOCATION TO BE EXAMINED.



DETAIL "B" (A-5)



JET PUMP RISER SUPPORT PAD

M1-B11-234	FF-113012 SH. 3&02
AE DRAWING NO.	PP&L DRAWING NO.

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH		APPROVED	DATE
0	INITIAL ISSUE	RC	VB	JH	[illegible]	7/1/[illegible]

QUALITY RELATED

SUSQUEHANNA S.E.S.
UNIT-1&2

INSERVICE INSPECTION DRAWING
EXAMINATION CATEGORIES
B-N-1 & B-N-2

AREA-26&31 | ELEV. 719'-1" | SCALE-NONE

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN PA.

PP&L DRAWING NO.	SHEET NO.	REV. NO.
C-199587	4	0

AE DRAWING NO.
ISI-RPV-INT.-001 SHT. 4