

Georgia Power Company
40 Inverness Center Parkway
Post Office Box 1295
Birmingham, Alabama 35201
Telephone 205 877-7279



Georgia Power
the southern electric system

J. T. Beckham, Jr.
Vice President - Nuclear
Hatch Project

January 26, 1996

Docket Nos. 50-321
50-366

HL-5094

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

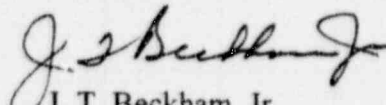
Edwin I. Hatch Nuclear Plant
Response to Request for Additional Information
Third 10-Year Interval Inservice Inspection Program

Gentlemen:

By letter dated October 17, 1995, Georgia Power Company (GPC) submitted the Third 10-Year Interval Inservice Inspection (ISI) Program for the Edwin I. Hatch Nuclear Plant. In subsequent discussions, the Nuclear Regulatory Commission (NRC) requested GPC to provide additional information and/or clarification required to complete the review of the Plant Hatch ISI Program.

The enclosure provides GPC's response to the requested information. Uncontrolled copies of the ISI boundary drawings and other requested information are provided as attachments. Attachments 1 and 2 address only Unit 1. The Unit 2 program documents are in the final stages of development; the initial third interval inspections on Unit 2 are scheduled during the Spring 1997 refueling outage. The Unit 1 documents are indicative of the application of the American Society of Mechanical Engineers Code for both units.

Sincerely,


J. T. Beckham, Jr.

JKB/eb

Enclosure: Response to Request for Additional Information: Third 10-Year Interval ISI Program

Attachments:

1. Unit 1 Boundary Diagrams
2. List of Unit 1 Components and Descriptive Data
3. Relief Request No. RR-12

cc: (See next page.)

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9602010201 960126
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U. S. Nuclear Regulatory Commission
January 26, 1996

Page 2

cc: Georgia Power Company (w/o attachment 1 and 2)
Mr. H. L. Sumner, Nuclear Plant General Manager
NORMS

U. S. Nuclear Regulatory Commission, Washington, D. C.
Mr. K. Jabbour, Licensing Project Manager - Hatch

U. S. Nuclear Regulatory Commission, Region II (w/o attachment 1 and 2)
Mr. S. D. Ebnetter, Regional Administrator
Mr. B. L. Holbrook, Senior Resident Inspector - Hatch

Enclosure

Edwin I. Hatch Nuclear Plant Response to Request for Additional Information Third 10-Year Interval Inservice Inspection Program

NRC Request

Provide isometric/component drawings and a list of the components selected for examination during the third 10-year interval; include a list of Code Class 1, 2, and 3 piping and components that have been exempted from examination and the basis for their exemption. This information will enable the staff to review the extent to which ISI examination samples meet the applicable Code requirements.

GPC Response

A set of uncontrolled boundary diagrams for Unit 1 is provided as Attachment 1. The boundary diagrams show the application of the American Society of Mechanical Engineers (ASME) Code Section XI. Attachment 2 provides a list of components subject to examination and other descriptive data associated with the Third 10-Year Interval ISI Program for Unit 1.

In response to the Staff's request for a list of Code Class 1, 2, and 3 piping and components exempt from examination, the following criteria, applicable to Unit 1 and Unit 2, are provided. The criteria provide sufficient information to demonstrate that examination samples meet the applicable Code requirements, as well as providing a more meaningful discussion as opposed to a component list.

A. General Exemptions

1. Non-Water and Non-Steam Containing Systems (e.g., Air and Fuel Oil Systems)

These systems were exempt from the requirements of ASME Code Section XI based on the guidance of Regulatory Guide (RG) 1.26.

2. Non-Reactor Coolant Pressure Boundary (RCPB) Portion of the Reactor Core Isolation Cooling (RCIC) System

This portion of RCIC was exempt from the requirements of ASME Code Section XI, since no credit is taken for RCIC in the current accident analysis. However, due to the importance of RCIC, ASME Code Section XI requirements were selectively applied to portions of RCIC.

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B. Class 1 Components

1. Exempt Components

Exemptions were applied per IWB-1220 of ASME Code Section XI, 1989 Edition. For Unit 1, the requirements of the exemption allowed by IWB-1220(a) exceeds the requirements of exemptions allowed by IWB-1220(b) and (c). Per IWB-1220(a), components that are connected to the reactor coolant system (RCS) and are part of the RCPB may be exempt from volumetric and surface examinations if they are of such size and shape that, upon postulated rupture during normal operating conditions, the loss of coolant from the RCS can be made up by systems powered from an onsite emergency power source.

- For liquid lines connected to the RCS, the maximum inside diameter (ID) of piping not requiring inspection is 2.21 in.
- For steam lines (e.g., head vents), the maximum ID of piping not requiring inspection is 4.29 in.

This exemption was used for the first and second 10-year intervals.

2. Non-Exempt Components

Per 10 CFR 50.55a(b)(2)(ii), the extent of examination for non-exempt Category B-J welds was based on the requirements of ASME Code Section XI, Tables IWB-2500 and IWB-2600, 1974 Edition, with Addenda through Summer 1975.

- a. Terminal ends and high stress welds were chosen, when practical, to upgrade the overall selection criteria.
- b. Non-exempt supports were selected in accordance with the guidance of Code Case N-491.
- c. Non-exempt welded attachments were selected per Relief Request RR-4, using the guidance of Code Case N-509.
- d. All other non-exempt components were selected per the requirements of ASME Code Section XI, Table IWB-2500-1, 1989 Edition.

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C. Class 2 Components

Exemptions were applied per IWC-1220 of ASME Code Section XI, 1989 Edition. However, all exemptions listed are not applicable to a boiling water reactor (BWR). The applicable exemptions are as follows:

1. Components within Emergency Core Cooling Systems (ECCSs), Decay Heat Removal (DHR) Systems, or Containment Heat Removal Systems.
 - a. Vessels, piping, pumps, and other components with a nominal pipe size (NPS) ≤ 4 in. are exempt from examination.
 - b. Component connections with an NPS ≤ 4 in. (e.g., nozzles and socket fittings) in vessels, piping, pumps, valves, and other components.
2. Components within Other Systems
 - a. Vessels, piping, pumps, and other components with an NPS ≤ 4 in.
 - b. Component connections with an NPS ≤ 4 in. (e.g., nozzles and socket fittings) in vessels, piping, pumps, valves, and other components.
 - c. Vessels, piping, pumps, other components, and component connections of any size in systems or portions of systems required to operate at a pressure ≤ 275 psig and a temperature $\leq 200^\circ\text{F}$.
 - d. Piping and other components of any size beyond the last shutoff valve of open ended portions of systems that do not contain water during normal operation.
3. Non-Exempt Components
 - a. Non-exempt supports were selected using the guidance of Code Case N-491.
 - b. Non-exempt welded attachments were selected per Relief Request RR-4, using the guidance of Code Case N-509.
 - c. All other non-exempt components were selected per the requirements of ASME Code, Section XI, Table IWC-2500-1, 1989 Edition.

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D. Class 3 Components

1. Exempt Components

Exemptions for welded attachments were applied in accordance with IWD-1220 of ASME Code Section XI, 1989 Edition.

2. Non-Exempt Components

- a. Supports were selected for examination using the guidance of Code Case N-491.
- b. Welded attachments were selected for examination using the guidance of Code Case N-509.

NRC Request

Provide a list of the ultrasonic calibration standards being used during the third 10-year interval ISI at Hatch Nuclear Plant, Units 1 and 2. The list should include the calibration standard identifications, material specifications, and sizes, as well as a reference to the piping and/or components to which the calibration standards apply.

GPC Response

The ultrasonic testing calibration standards used for the third 10-year interval for Unit 1 are contained in the documents provided in Attachment 2. The calibration standards are listed in the weld list section and include the calibration standard, material specification, and size. The list also matches the calibration standard to the applicable weld number.

NRC Request

Address the degree of compliance with augmented examinations that have been established by the NRC when added assurance of structural reliability is deemed necessary. Examples of documents that address augmented examinations are:

1. Branch Technical Position MEB 3-1, *"High Energy Fluid Systems, Protection Against Postulated Piping Failures in Fluid Systems Outside Containment;"*
2. Regulatory Guide 1.150, *Ultrasonic Testing of Reactor Vessel Welds During Preservice and Inservice Examinations;*

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3. NUREG-0619, *BWR Feedwater Nozzle and CRD Return Line Nozzle Cracking*;
4. NUREG-0803, *Integrity of BWR Scram System Piping*, and
5. Generic Letter 88-01, "*NRC Position on IGSCC in BWR Austenitic Stainless Steel Piping*" (ref. NUREG-0313).

Discuss these and any other augmented examinations that may have been incorporated in the Hatch Nuclear Plant, Units 1 and 2, Third 10-Year Interval Inservice Inspection Program Plan.

GPC Response

The following discussion of GPC's commitments and positions related to these examinations applies to both Unit 1 and Unit 2.

1. Branch Technical Position MEB 3-1, "*High Energy Fluid Systems, Protection Against Postulated Piping Failures in Fluid Systems Outside Containment.*"

The scope for Unit 1 is documented in a December 1972 NRC letter from A. Giambusso concerning High Energy Pipe Breaks Outside Containment. Augmented examinations were not required. By letter dated October 9, 1975, the NRC documented a GPC commitment to perform the following augmented inspections on Unit 2:

The applicant will provide the design criteria that has been utilized to design the piping between the Containment Isolation Valves. The applicant has stated that breaks have not been postulated in these areas. The applicant will commit to provide 100% volumetric inspection of pipe welds in these areas on a best effort as accessible basis.

The referenced commitment applies to the following: main steam, feedwater, high pressure coolant injection (HPCI) steam, RCIC steam, and reactor water cleanup (RWC) fluid systems outside primary containment.

2. Regulatory Guide 1.150, "*Ultrasonic Testing of Reactor Vessel Welds During Preservice and Inservice Examinations.*"

The Unit 1 and Unit 2 licensing bases do not contain a commitment to RG 1.150, Revision 1. However, portions of RG 1.150 provide technical guidance considered beneficial to the Reactor Pressure Vessel (RPV) Weld Examination Program. Consequently, the RPV Weld Examination Program augments ASME Code

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Sections V and XI with portions of RG 1.150, Revision 1. A summary of the technical guidance included in the examination program is provided below:

- Instrument Performance Checks

Each combination of transducer, cable, and ultrasonic instrument used for RPV weld examinations is subject to instrument performance checks.

- 1.) Pre-Examination Performance Checks

Performance checks for the instrument are performed in the field before and after the weld examinations.

- 2.) Field Performance Checks

Screen Height Linearity

As a minimum, the screen height linearity of each ultrasonic instrument shall be performed before and after the RPV weld examinations during one outage. Screen height linearity will be checked as part of the calibration requirements.

Amplitude Control Linearity

As a minimum, during an outage, the amplitude control linearity of each ultrasonic instrument shall be performed before and after examining all required RPV welds. The initial instrument sensitivity during the performance of the amplitude control linearity check should fall at the calibration sensitivity or at some point between the calibration sensitivity and the scanning sensitivity. Amplitude control linearity will be checked as part of the calibration requirements.

Angle Beam Profile Characterization

Prior to the examination, the vertical beam profile shall be determined for each search unit to be used during the examination. Beam profile curves shall be determined at different depths to cover the material thickness to be examined. Each transducer will have angle beam profile characterization performed on each calibration block for which the transducer will be used.

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- Calibration

The system calibration is performed to establish the distance amplitude curve (DAC) curve and the sweep range calibration in accordance with Article 4 of ASME Code Section V.

Calibration for Manual Scanning

A static calibration shall be performed. The signal responses shall be maximized during calibration and sizing of indications. Upon completion of calibration, detection of flaws shall be demonstrated by reference hole detection at scanning speed and detection level.

- Examination

The scope and extent of the ultrasonic examinations shall comply with IWA-2000 of ASME Code Section XI. The examinations shall have a minimum 25% scan overlap based on transducer element size.

1.) Internal Surface (Clad Components)

The capability to effectively detect defects at the internal clad/base metal interface shall be demonstrated by the use of a 2% notch which penetrates the internal (clad) surface of the calibration block.

2.) Scanning Weld-Metal Interface

The volume of weld and adjacent base material to be examined is required by ASME Code Section XI. The material will be examined with a 0°, and nominal 45° and 60° examination techniques.

- Recording and Sizing of Indications

Indications resulting from geometric sources will not be sized. When indications are evaluated as geometric in origin, the basis for this determination shall be described on the data sheet. All indications producing a response of $\geq 50\%$ DAC shall be recorded. The length of the reflector shall be determined by 50% DAC or half amplitude, whichever is applicable. If the size of an indication exceeds the allowable limits of ASME Code Section XI, the indication will be investigated to determine if it has been present since fabrication. If a fracture mechanics analysis is necessary for continued operation, the necessary steps to resolve the indications will be taken.

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3. NUREG-0619, *BWR Feedwater Nozzle and Control Rod Drive Return Line Nozzle Cracking.*

GPC has implemented the provisions of NUREG 0619, as modified by Generic Letter 81-11. Previously, GPC followed the inspection schedule shown in NUREG-0619, Section 4.3.2, Table 2. However, GPC revised the previous commitments and is using alternative inspections and schedules. Since the issuance of NUREG-0619, improvements in the area of ultrasonic testing (UT) have occurred. Automatic UT techniques, such as the General Electric Remote Inspection System (GERIS) and Smart 2000 System are capable of detecting small (0.25 in.) deep fatigue cracks. Automated UT inspections, supplemented with certain manual inspections, were performed on all four feedwater nozzles on both Unit 1 and Unit 2. The inspection results showed that no indications requiring evaluation were detected in the nozzle inner radius or safe-end region.

GPC has been involved with the Boiling Water Reactor Owner's Group (BWROG) in pursuing a generic resolution of this topic with the NRC staff. Additional details are provided in GPC's letters to the NRC dated October 19, 1992; February 2, 1993; February 22, 1993; and December 21, 1993. Additional information is provided in the NRC letters dated January 25, 1993; May 4, 1993; and October 21, 1994. As a result, GPC is currently using the following inspections and schedule in lieu of the dye penetrate exams at the Table 2 frequency and manual UT exams every second refueling outage. The inspections use automated UT equipment and techniques demonstrated to be capable of detecting and sizing flaws ≥ 0.25 in. in depth.

- 1.) For the nozzle inner blend region, conduct UT examinations at intervals not to exceed every fourth refueling cycle.
- 2.) For the safe-end welds downstream of the primary seal or the thermal sleeve-to-nozzle attachment point, conduct UT examinations in conjunction with the inner blend radius examinations for two inspection cycles. If no indications are discovered, revert to ASME Code Section XI frequency.
- 3.) For the safe-end upstream of the primary seal or the thermal sleeve-to-nozzle attachment point, conduct UT examinations in conjunction with the inner blend radius examinations for the first inspection cycles. If no indications are discovered, revert to the ASME Code Section XI frequency.
- 4.) In the event relevant service-induced indications are discovered in the inner blend radius region, adjust inspection frequency to ensure adequate tracking and assessment of the indications. The frequency is based on engineering evaluation which includes crack characteristics and crack growth rate. Thermal cycles will be

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tracked to ensure: 1.) current thermal duty is enveloped by the design basis duty used in the fracture mechanics crack growth prediction and 2.) additional analysis is initiated, if necessary.

5.) At each outage, perform a remote in-vessel visual examination of the accessible portions of two feedwater nozzle regions. The technique and equipment used will be capable of resolving a 0.001-in. wire on a neutral gray background.

4. NUREG-0803, *Integrity of BWR Scram System Piping.*

Augmented inspections are performed as described in GPC's letter to the NRC dated March 5, 1982. The scram discharge header welds are included in the third interval plan. The subject welds are examined as Class 2 welds with approximately 10% of the welds examined during the interval.

5. Generic Letter 88-01, *NRC Position on IGSCC in BWR Austenitic Stainless Steel Piping.*

The augmented examinations for this topic are described in the "NUREG" section of the ISI Program submitted October 17, 1995.

6. IEB 80-13 and NUREG CR-4523, *Core Spray Sparger Inspections.*

A visual examination of the core spray spargers is included in the third 10-year examination plan.

7. Generic Letter 94-03, *Intergranular Stress Corrosion Cracking of Core Shrouds in BWRs.*

GPC has implemented permanent, pre-emptive shroud repairs on both units. The tie rod stabilizer repair was installed on Unit 1 during the Fall 1994 refueling outage and on Unit 2 during the Fall 1995 refueling outage. By letter dated December 19, 1994, GPC described the augmented examinations for the Unit 1 stabilizers. The augmented examinations for Unit 2 will be submitted in the near future. GPC intends to follow the criteria currently under development by the Boiling Water Reactor Vessel Intervals Project (BWRVIP) for inspections of repaired shrouds and core shroud stabilizers.

8. Other

In addition to the augmented examinations described above, GPC also performs examinations relative to the following:

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- GE RICSIL-055, RPV Head Stud Cracking, Supplement 1, Revision 1, March 26, 1992.
- SIL-330, GE BWR/6 Jet Pump Inlet Mixer Ejection, Supplement 2, October 27, 1993.
- GE SIL-420, Inspection of Jet Pump Sensing Lines, March 28, 1985.
- GE SIL-433, Shroud Head Bolt Failures, Supplement 1, September 15, 1993.
- GE SIL-465, Jet Pump Mixer Unusual Surface Observations, May 17, 1988.
- GE SIL-474, Steam Dryer Drain Channel Cracking, October 26, 1988.
- GE SIL-551, Jet Pump Riser Brace Cracking, February 26, 1993.
- GE SIL-554, Top Guide Cracking, April 6, 1993.
- GE SIL-571, Instrument Nozzle Safe-End Crack, September 15, 1993.
- GE SIL-572, Core Shroud Cracks, Revision 1, October 4, 1993. (Reference RICSIL 068.)
- GE SIL-574, Jet Pump Adjusting Screw Tack Weld Failures, October 5, 1993.
- GE SIL-588, Top Guide and Core Plate Cracking, Revision 1, May 18, 1995.

NRC Request

10 CFR 50.55a(b)(2)(iv) requires that appropriate ASME Code Class 2 piping welds in the Residual Heat Removal (RHR), Emergency Core Cooling (ECC), and Containment Heat Removal (CHR) systems be examined. Portions of these systems should not be completely omitted from inservice volumetric examination based on Section XI selection criteria specified in Table IWC-2500-1 (piping wall thickness). The staff has determined that a 7.5% augmented volumetric sample of thin-wall welds constitutes an acceptable resolution at similar plants.

Define the systems or portions of systems that provide RHR, ECC, and CHR functions at Hatch Nuclear Plant, Units 1 and 2, and provide a list of the subject welds that have been excluded from selection based on wall thickness as allowed by

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Table IWC-2500-1. From this list, identify those welds that will be scheduled for examination to provide an appropriate sampling of welds otherwise excluded from examination because of wall thickness.

GPC Response

For both Unit 1 and Unit 2, the corresponding systems within ASME Code Section XI boundaries are the RHR system, the Core Spray (CS) system, and the HPCI system. A review of these systems was performed to determine the extent of thin wall piping. (Thin wall classification is applicable to piping with a wall thickness of < 0.375 in.) The evaluation determined the following:

For non-exempt RHR, CS, and HPCI piping > 4 in. NPS, thin wall piping is essentially confined to 6-in., 8-in., and 10-in. NPS, which is rated from 150 lb to 300 lb.

1. For RHR, non-exempt, thin wall piping is primarily located on connections to the RHR Service Water (RHRSW), Fuel Pool Cooling, and RCIC systems. Thin wall piping is also located on the torus spray lines and the safety relief valve discharge lines.
2. For CS, non-exempt, thin-wall piping is primarily located on the full-flow test lines.
3. For HPCI, non-exempt, thin-wall piping is generally located on small piping segments, such as the vacuum breaker line and flushing connection.

Volumetric examinations of a 7.5% sample of portions thin wall, non-exempt piping within the RHR, CS, and HPCI systems will be performed. The examinations will be performed on the higher pressure pump discharge portion of the piping. The pressure boundary for the system is required to be maintained to perform the intended safety-related function. For branch connection piping associated with nonsafety-related functions, examinations will be performed on piping extending from the main piping run to the first normally closed valve, first flange, or to the first valve capable of remote closure.

Because the subject welds are outside the Code scope, many of these welds may not have had previous ultrasonic examinations. Therefore, the welds may not have a surface condition conducive to performing Code ultrasonic examinations. Experience has shown that many of the older thin wall weld configurations have thick or wide weld crowns. Some surface preparation may be possible, but in most cases, heavy grinding on thin wall configurations is not practical. As a result, the best practical ultrasonic examination will be performed on these welds.

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NRC Request

Effective September 8, 1992, regulations were issued regarding augmented examination of reactor vessels. As a result of these regulations, all licensees must augment their reactor vessel examinations by implementing once, as part of the inservice inspection interval in effect on September 8, 1992, the examination requirements for reactor vessel shell welds specified in Item B1.10 of Examination Category B-A of the 1989 Code. In addition, all previously granted relief for Item B1.10, Examination Category B-A, for the interval in effect on September 8, 1992 is revoked by this regulation. For licensees with fewer than 40 months remaining in the interval on the effective date, deferral of the augmented examinations is permissible with the conditions stated in the regulations.

Provide the staff with the status of the augmented reactor pressure vessel examinations required by regulations issued September 8, 1992, and provide a technical discussion describing how the regulation was/will be implemented for these welds at Hatch Nuclear Plant, Units 1 and 2. Include in the discussion a description of the approach and any specialized techniques or equipment that was/will be used to complete the required augmented examination.

GPC Response

Unit 1:

Georgia Power Company elected to defer the augmented RPV examinations, since fewer than 40 months remained in the interval on September 8, 1992. Unit 1's construction permit date is September 30, 1969, and access on Unit 1 was provided to meet the 1971 Edition of ASME Code Section XI, which required examination of 5% of each circumferential weld and 10% of each longitudinal weld. To meet this requirement, access doors were provided in the shield structure to allow limited outside diameter access to welds. However the insulation is in near proximity to the RPV surface and prevents the use of a mechanized crawler on most welds.

Since Georgia Power Company is participating with the BWRVIP, the deferral will allow additional time for resolution of BWRVIP initiatives regarding RPV examinations. GPC believes the methodology proposed by the BWRVIP is justified and, if implemented by an appropriate Code of Federal Regulations rule change, will result in substantial savings for utilities, while maintaining safety margins. Additional information is provided in GPC's letter to the NRC dated December 4, 1995.

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Unit 2:

The augmented RPV examinations were performed to the extent practical. The examinations were performed during the Fall 1995 refueling outage from the outside diameter surface using the GERIS system. Unit 2 was designed to provide access to meet the 1974 Edition of ASME Code Section XI. The RPV insulation was installed with an air gap between the RPV, thus allowing the use of a mechanized crawler on the welds.

The augmented examinations could have been performed during a subsequent outage; however, performing the examinations during the Fall 1995 refueling outage allowed the ASME Code and augmented examinations to be satisfied concurrently. As a result, the 1980 and Winter 81 Addenda ASME Code requirement to examine one beltline circumferential weld and one beltline longitudinal weld has been completed. The augmented examinations were successfully completed with the exception of one non-beltline circumferential weld. The examination coverage of the 12 RPV longitudinal welds met the 90% coverage for each weld. Coverage on 4 of the 5 circumferential welds also met the 90% requirement. Physical limitations associated with the RPV stabilizer brackets located immediately below the remaining circumferential weld prevented achieving 90% coverage. The weld was examined using both automated and manual techniques. Additional examinations are not expected to achieve the required 90% coverage. The BWRVIP evaluations show that further examinations will not provide additional meaningful information that represents a benefit to safety. Given the results of these examinations, in combination with the BWRVIP initiatives, GPC does not plan to perform additional RPV examinations on Unit 2 in the near future.

NRC Request

In Request for Relief RR-8, it appears that relief is being requested from future upgrades of the ISI program for the life of the plant. Upgrades to the latest approved Code edition on an interval basis ensures that the latest inservice examination and testing philosophies are implemented by utilities. Relief requests should apply to a specific interval. Explain the basis for submittal of this request for relief with the third interval ISI program submittal.

GPC Response

Relief Request RR-8 does not involve an exemption for future updates of the ISI program to later editions of ASME Codes. Relief Request RR-8 involves the continuance of the early update of Unit 2. During the previous 10-year interval update, the Unit 2 ISI plan was moved ahead by 40 months to allow common interval

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dates for both units. Since the early update of Unit 2 was previously approved for the second 10-year interval, relief for the third interval may not be needed.

NRC Request

Verify that there are no relief requests in addition to those submitted. If additional relief requests are required, the licensee should submit them for staff review.

GPC Response

The Third 10-Year Interval ISI Program submitted on October 17, 1995, contained the associated relief requests known at the time of the submittal. Subsequent to the submittal and during program development, the need for an additional relief request was identified. The relief request concerns the Code requirement to remove the bolting and perform visual inspections on pressure-retaining bolted connections identified as leaking. The additional relief request, RR-12, is provided as Attachment 3.

ATTACHMENT 3

**EDWIN I. HATCH NUCLEAR PLANT
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
THIRD 10-YEAR INTERVAL ISI PROGRAM**

RELIEF REQUEST NO. RR-12

GEORGIA POWER COMPANY
HATCH NUCLEAR PLANT, UNIT 1 & 2
THIRD 10-YEAR INTERVAL
REQUEST FOR RELIEF NO. RR-12

- I. System/Component for Which Relief is Requested: Class 1, 2, and 3 pressure retaining bolted connections.
- II. Code Requirement: ASME Section XI, IWA-5250(a)(2) requires that if leakage occurs at a bolted connection, the bolting shall be removed, VT-3 visually examined for corrosion, and evaluated in accordance with IWA-3100.
- III. Code Requirement for Which Relief is Requested: Relief is requested from removing bolting from pressure retaining bolted connections and performing the required visual examination (VT-3) should leakage be detected during performance of ASME Section XI pressure testing activities.
- IV. Basis for Relief: Hatch Nuclear Plant is a Boiling Water Reactor (BWR) and the reactor coolant system and associated systems do not experience the corrosive environment from boric acid residues as would a Pressurized Water Reactor (PWR). When leakage is detected, the integrity of the bolted connections can typically be adequately assessed without the prescriptive requirement for removal of the bolting. Removal of bolting may not represent the prudent course of action. For example, an adequate approach would be to verify bolt tightness and tightening bolts as needed. Tightening a loose bolt employs good and sound engineering judgment, and potentially reduces radiation exposure. This represents a more reasonable approach as opposed to immediately removing all bolting without evaluating the situation as required by the 1989 ASME Section XI Code, or removing the bolt nearest the leakage source as required by the 1990 Addenda and later editions of ASME Section XI. By allowing an evaluation of the bolting and associated mechanical connection, and determining the need for corrective measures, the leakage may be corrected without undue burden and the Code intent would be satisfied.

Based on the above example and other similar scenarios, Georgia Power Company (GPC) believes it is appropriate to perform an evaluation. The evaluation may conclude that removal of the bolting is unnecessary.

- V. Alternate Examination: Based on these considerations, GPC will perform an evaluation to determine the appropriate course of action. The evaluation will consider the potential for bolting degradation as well as the cause of the leakage. The evaluation will determine whether bolt tightening or removal of bolting is needed. GPC will assure that the bolting and component material in the area of leakage is evaluated to assure joint integrity.

V. Alternate Examination: (cont.)

Should the bolting need to be removed, GPC proposes to remove the bolt nearest the leakage source as required by the 1990 ASME Section XI Addenda and later editions, perform a VT-3 examination, and evaluate in accordance with IWA-3100. If the bolt has evidence of degradation, additional bolts in the connection shall be removed, VT-3 examined, and evaluated in accordance with IWA-3100.

Evaluations shall be documented in writing, reviewed by the appropriate plant management, and maintained in the plant records. The results of these findings will be made available to the regulatory and enforcement authority having jurisdiction at the plant site. Inspections or repairs and replacements necessitated by these evaluations will be documented on Forms NIS-1, "Owners Report for Inservice Inspections" and/or Forms NIS-2, "Owners Report for Repair or Replacement", as applicable.

VI. Justification for the Granting of Relief: Hatch Nuclear Plant is a Boiling Water Reactor (BWR) and the reactor coolant system and associated systems do not experience the corrosive environment from boric acid residues as would a Pressurized Water Reactor (PWR). Therefore, there is no reason to suspect degradation of bolting caused solely by leaking system chemistry.

Satisfying the Code requirement for removing bolting may require significant planning and scheduling due to existing Technical Specification requirements, operational concerns, and personal safety. In cases of unisolatable or non-redundant piping, the requirement to remove the bolting in order to conduct a visual examination and evaluation, may necessitate shutdown of the plant. Shutdown of the plant for the sole purpose of satisfying this visual examination requirement constitutes an undue hardship without a commensurate benefit to safety.

VII. Implementation Schedule: The subject examinations will be performed during the Third 10-Year Interval.

ATTACHMENT 1

**EDWIN I. HATCH NUCLEAR PLANT
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
THIRD 10-YEAR INTERVAL ISI PROGRAM**

UNIT 1 BOUNDARY DIAGRAMS

**OVERSIZE
DOCUMENT
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HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
--	--	1B11\JET PUMP BEAM (1)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (2)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (3)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (4)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (5)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (6)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (7)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (8)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (9)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (10)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (11)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (12)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (13)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (14)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (15)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
		(16)						
--	--	1B11\JET PUMP BEAM (17)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (18)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (19)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\JET PUMP BEAM (20)		VOL-AUG	-	155-H	0.000	JET PUMP BEAM CAL BLOCK
--	--	1B11\LOCATION-1 THRU 20	THICKNESS MEASUREMENTS	VOL-AUG	A-3	30-H	0.000	STEP BLOCK SA-36
--	--	1B11\N2A (RINTSA)	RINTSA WELD	VOL-AUG	-	125-H	0.000	RC INLT NZ THRML SLEEVE ATTCH SA-508, C12 SS CLAD
--	--	1B11\N2B (RINTSA)	RINTSA WELD	VOL-AUG	-	125-H	0.000	RC INLT NZ THRML SLEEVE ATTCH SA-508, C12 SS CLAD
--	--	1B11\N2C (RINTSA)	RINTSA WELD	VOL-AUG	-	125-H	0.000	RC INLT NZ THRML SLEEVE ATTCH SA-508, C12 SS CLAD
--	--	1B11\N2D (RINTSA)	RINTSA WELD	VOL-AUG	-	125-H	0.000	RC INLT NZ THRML SLEEVE ATTCH SA-508, C12 SS CLAD
--	--	1B11\N2E (RINTSA)	RINTSA WELD	VOL-AUG	-	125-H	0.000	RC INLT NZ THRML SLEEVE ATTCH SA-508, C12 SS CLAD
--	--	1B11\N2F (RINTSA)	RINTSA WELD	VOL-AUG	-	125-H	0.000	RC INLT NZ THRML SLEEVE ATTCH SA-508, C12 SS CLAD
--	--	1B11\N2G (RINTSA)	RINTSA WELD	VOL-AUG	-	125-H	0.000	RC INLT NZ THRML SLEEVE ATTCH SA-508, C12 SS CLAD
--	--	1B11\N2H (RINTSA)	RINTSA WELD	VOL-AUG	-	125-H	0.000	RC INLT NZ THRML SLEEVE ATTCH SA-508, C12 SS CLAD
--	--	1B11\N2J (RINTSA)	RINTSA WELD	VOL-AUG	-	125-H	0.000	RC INLT NZ THRML SLEEVE ATTCH SA-508, C12 SS CLAD
--	--	1B11\N2K (RINTSA)	RINTSA WELD	VOL-AUG	-	125-H	0.000	RC INLT NZ THRML SLEEVE ATTCH SA-508, C12 SS CLAD

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
--	--	1B11\N4A (CYL BORE)	STRAIGHT CYLINDRICAL BORE SECTION	VOL-AUG	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
--	--	1B11\N4A SPARGERS	A-A LOOP FEEDWATER INLET NOZZLE	VIS-AUG	A-1		0.000	
--	--	1B11\N4B (CYL BORE)	STRAIGHT CYLINDRICAL BORE SECTION	VOL-AUG	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
--	--	1B11\N4B SPARGERS	A-B LOOP FEEDWATER INLET NOZZLE	VIS-AUG	A-1		0.000	
--	--	1B11\N4C (CYL BORE)	STRAIGHT CYLINDRICAL BORE SECTION	VOL-AUG	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
--	--	1B11\N4C SPARGERS	B-C LOOP FEEDWATER INLET NOZZLE	VIS-AUG	A-1		0.000	
--	--	1B11\N4D (CYL BORE)	STRAIGHT CYLINDRICAL BORE SECTION	VOL-AUG	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
--	--	1B11\N4D SPARGERS	B-D LOOP FEEDWATER INLET NOZZLE	VIS-AUG	A-1		0.000	
B1.11	B-A	1B11\C-3	UPPER MIDDLE SHELL TO LOWER MIDDLE SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B1.11	B-A	1B11\C-4	LOWER MIDDLE SHELL TO LOWER SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B1.11	B-A	1B11\C-5	LOWER SHELL TO BOTTOM HEAD	VOLUMETRIC	A-1	119-H	3.000	03.000" PLATE SA-533, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			TORUS					
B1.12	B-A	1B11\C-1-A	LONGITUDINAL WELD ON UPPER SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B1.12	B-A	1B11\C-1-B	LONGITUDINAL WELD ON UPPER SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B1.12	B-A	1B11\C-1-C	LONGITUDINAL WELD ON UPPER SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B1.12	B-A	1B11\C-3-A	LONGITUDINAL WELD ON LOWER MIDDLE SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B1.12	B-A	1B11\C-3-B	LONGITUDINAL WELD ON LOWER MIDDLE SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B1.12	B-A	1B11\C-3-C	LONGITUDINAL WELD ON LOWER MIDDLE SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B1.12	B-A	1B11\C-4-A	LONGITUDINAL WELD ON LOWER SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B1.12	B-A	1B11\C-4-B	LONGITUDINAL WELD ON LOWER SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B1.12	B-A	1B11\C-4-C	LONGITUDINAL WELD ON LOWER SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B1.21	B-A	1B11\C-7	BOTTOM HEAD TORUS TO BOTTOM HEAD DOME WELD	VOLUMETRIC	A-1A	119-H	3.000	03.000" PLATE SA-533, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B1.21	B-A	1B11\HC-1	CLOSURE HEAD DOLLAR PLATE WELD	VOLUMETRIC	A-2	64-H	4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B
B1.22	B-A	1B11\BHT-E	BOTTOM HEAD TORUS MERIDIONAL WELD	VOLUMETRIC	A-1A	119-H	3.000	03.000" PLATE SA-533, Gr. B
B1.22	B-A	1B11\HC-1-D	MERIDIONAL WELD CLOSURE HEAD	VOLUMETRIC	A-2	64-H	4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B
B1.30	B-A	1B11\C-1 (N3A-N4C)	VESSEL TO FLANGE N3A(72) TO N4C(225) CLOCKWISE	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B1.30	B-A	1B11\C-1 (N4C-N4D)	VESSEL TO FLANGE N4C(225) TO N4D(315)CLOCKWIS E	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B1.30	B-A	1B11\C-1 (N4D-N3A)	VESSEL TO FLANGE N4D(315) TO N3A(72) CLOCKWISE	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B1.40	B-A	1B11\HC-2 (1-17)	CLOSURE HEAD-TO-FLG CENTERLINE STUD 1 TO STUD 17 (CW)	SURFACE	A-2	64-H	4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B
B1.40	B-A	1B11\HC-2 (1-17)	CLOSURE HEAD-TO-FLG CENTERLINE STUD 1 TO STUD 17 (CW)	VOLUMETRIC	A-2		4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B
B1.40	B-A	1B11\HC-2 (17-34)	CLOSURE HEAD-TO-FLG	SURFACE	A-2	64-H	4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			CENTERLINE STUD 17 TO STUD 34 (CW)					
B1.40	B-A	1B11\HC-2 (17-34)	CLOSURE HEAD-TO-FLG CENTERLINE STUD 17 TO STUD 34 (CW)	VOLUMETRIC	A-2		4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B
B1.40	B-A	1B11\HC-2 (34-1)	CLOSURE HEAD-TO-FLG CENTERLINE STUD 34 TO STUD 1 (CW)	SURFACE	A-2	64-H	4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B
B1.40	B-A	1B11\HC-2 (34-1)	CLOSURE HEAD-TO-FLG CENTERLINE STUD 34 TO STUD 1 (CW)	VOLUMETRIC	A-2		4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B
B3.90	B-D	1B11\N1A (SH-N)	A LOOP RECIRCULATION OUTLET SHELL TO NOZ	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.90	B-D	1B11\N1B (SH-N)	B LOOP RECIRCULATION OUTLET SHELL TO NOZ	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.90	B-D	1B11\N2A (N-SH)	B LOOP RECIRCULATION INLET NOZZ TO SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.90	B-D	1B11\N2B (N-SH)	B LOOP RECIRCULATION INLET NOZZ TO	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B3. 90	B-D	1B1 N2C (N-SH)	SHELL B LOOP RECIRCULATION INLET NOZZ TO SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3. 90	B-D	1B11\N2D (N-SH)	B LOOP RECIRCULATION INLET NOZZ TO SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3. 90	B-D	1B11\N2E (N-SH)	B LOOP RECIRCULATION INLET NOZZ TO SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3. 90	B-D	1B11\N2F (N-SH)	A LOOP RECIRCULATION INLET NOZZ TO SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3. 90	B-D	1B11\N2G (N-SH)	A LOOP RECIRCULATION INLET NOZZ TO SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3. 90	B-D	1B11\N2H (N-SH)	A LOOP RECIRCULATION INLET NOZZ TO SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3. 90	B-D	1B11\N2J (N-SH)	A LOOP RECIRCULATION INLET NOZZ TO SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3. 90	B-D	1B11\N2K (N-SH)	A LOOP RECIRCULATION INLET NOZZ TO	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			SHELL					
B3. 90	B-D	1B11\N3A (N-SH)	A LOOP MAIN STEAM OUTLET SHELL TO NOZZ	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B3. 90	B-D	1B11\N3B (N-SH)	B LOOP MAIN STEAM OUTLET SHELL TO NOZZ	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B3. 90	B-D	1B11\N3C (N-SH)	C LOOP MAIN STEAM OUTLET SHELL TO NOZZ	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B3. 90	B-D	1B11\N3D (N-SH)	D LOOP MAIN STEAM OUTLET SHELL TO NOZZ	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B3. 90	B-D	1B11\N4A (N-SH)	A-A LOOP FEEDWATER INLET NOZZ TO SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B3. 90	B-D	1B11\N4B (N-SH)	A-B LOOP FEEDWATER INLET NOZZ TO SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B3. 90	B-D	1B11\N4C (N-SH)	B-C LOOP FEEDWATER INLET NOZZ TO SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B3. 90	B-D	1B11\N4D (N-SH)	B-D LOOP FEEDWATER INLET NOZZ TO SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B3. 90	B-D	1B11\N5A (N-SH)	A LOOP CORE SPRAY INLET NOZZ TO SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B3. 90	B-D	1B11\N5B (N-SH)	B LOOP CORE SPRAY INLET NOZZ TO SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B3. 90	B-D	1B11\N6A (N-H)	A LOOP RHR HEAD	VOLUMETRIC	A-2	64-H	4.500	04.500" X 09.000" X 18.000"

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			SPRAY NOZZLE TO HEAD					SA-533, Gr. B
B3. 90	B-D	1B11\N6B (N-H)	B LOOP RHR HEAD SPRAY NOZZLE TO HEAD	VOLUMETRIC	A-2	64-H	4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B
B3. 90	B-D	1B11\N7	MAIN STEAM VENT NOZZLE	VOLUMETRIC	A-2	64-H	4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B
B3. 90	B-D	1B11\N8A (N-SH)	A LOOP JET PUMP INSTRUMENT NOZZLE TO SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3. 90	B-D	1B11\N8B (N-SH)	B LOOP JET PUMP INSTRUMENT NOZZLE TO SHELL	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3. 90	B-D	1B11\N9 (N-SH)	CONTROL ROD DRIVE INLET NOZZLE TO SHELL	VOLUMETRIC	A-1	62-H	5.875	05.875" X 09.000" X 23.500" SA-533, Gr. B
B3.100	B-D	1B11\N1A (IR)	A LOOP RECIRCULATION OUTLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N1B (IR)	B LOOP RECIRCULATION OUTLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N2A (IR)	B LOOP RECIRCULATION INLET NOZZLE AT 30 DEGREES IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N2B (IR)	B LOOP RECIRCULATION INLET NOZZLE AT	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			60 DEGREES					
B3.100	B-D	1B11\N2C (IR)	B LOOP RECIRCULATION INLET NOZZLE AT 90 DEGREES	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N2D (IR)	B LOOP RECIRCULATION INLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N2E (IR)	B LOOP RECIRCULATION INLET NOZZLE AT 150 DEGREES	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N2F (IR)	A LOOP RECIRCULATION INLET NOZZLE AT 210 DEGREES	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N2G (IR)	A LOOP RECIRCULATION INLET NOZZLE AT 240 DEGREES IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N2H (IR)	A LOOP RECIRCULATION INLET NOZZLE AT 270 DEGREES IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N2J (IR)	A LOOP RECIRCULATION INLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N2K (IR)	A LOOP RECIRCULATION INLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N3A (IR)	A LOOP MAIN STEAM OUTLET	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			NOZZLE IR					
B3.100	B-D	1B11\N3B (IR)	B LOOP MAIN STEAM OUTLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N3C (IR)	C LOOP MAIN STEAM OUTLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N3D (IR)	D LOOP MAIN STEAM OUTLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N4A (IR)	A-A LOOP FEEDWATER INLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N4A (IR)	A-A LOOP FEEDWATER INLET NOZZLE IR	VOL-AUG	A-1		6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N4B (IR)	A-B LOOP FEEDWATER INLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N4B (IR)	A-B LOOP FEEDWATER INLET NOZZLE IR	VOL-AUG	A-1		6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N4C (IR)	B-C LOOP FEEDWATER INLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N4C (IR)	B-C LOOP FEEDWATER INLET NOZZLE IR	VOL-AUG	A-1		6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N4D (IR)	B-D LOOP FEEDWATER INLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N4D (IR)	B-D LOOP	VOL-AUG	A-1		6.875	06.875" X 09.000" X 24.000"

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			FEEDWATER INLET NOZZLE IR					SA-533, Gr. B
B3.100	B-D	1B11\N5A (IR)	A LOOP CORE SPRAY INLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N5B (IR)	B LOOP CORE SPRAY INLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N6A (IR)	A LOOP RHR HEAD SPRAY NOZZLE IR	VOLUMETRIC	A-2	64-H	4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B
B3.100	B-D	1B11\N6B (IR)	B LOOP RHR HEAD SPRAY NOZZLE IR	VOLUMETRIC	A-2	64-H	4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B
B3.100	B-D	1B11\N7 (IR)	MAIN STEAM VENT NOZZLE IR	VOLUMETRIC	A-2	64-H	4.500	04.500" X 09.000" X 18.000" SA-533, Gr. B
B3.100	B-D	1B11\N8A (IR)	A LOOP JET PUMP INSTRUMENT NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N8B (IR)	B LOOP JET PUMP INSTRUMENT NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B3.100	B-D	1B11\N9 (IR)	CONTROL ROD DRIVE INLET NOZZLE IR	VOLUMETRIC	A-1	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B4.12	B-E	1B11\RPV (CRD-N)	CRD STUB TUBE TO BT HD PEN	VISUAL	A-34		0.000	
B4.13	B-E	1B11\N11A (N-SH)	RPV INSTRUMENTATION NOZZLE TO SHELL	VISUAL	A-1		0.000	
B4.13	B-E	1B11\N12B (N-SH)	RPV INSTRUMENTATION NOZZLE TO SHELL	VISUAL	A-1		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B4.13	B-E	1B11\N16B (N-SH)	RPV INSTRUMENTATION NOZZLE TO SHELL	VISUAL	A-1		0.000	
B5.20	B-F	1B11\N10 (N-SE)	NOZZLE TO SAFE-END	VISUAL	A-1		0.000	
B5.20	B-F	1B11\N10 (N-SE)	NOZZLE TO SAFE-END	VIS-AUG	A-1		0.000	
B5.20	B-F	1B11\N11A (N-SE)	NOZZLE TO SAFE-END	SURFACE	A-1		0.000	
B5.20	B-F	1B11\N11A (N-SE)	NOZZLE TO SAFE-END	VOLUMETRIC	A-1		0.000	
B5.20	B-F	1B11\N11A (N-SE)	NOZZLE TO SAFE-END	VISUAL	A-1		0.000	
B5.20	B-F	1B11\N11A (N-SE)	NOZZLE TO SAFE-END	VOL-AUG	A-1		0.000	
B5.20	B-F	1B11\N11B (N-SE)	NOZZLE TO SAFE-END	SURFACE	A-1		0.000	
B5.20	B-F	1B11\N11B (N-SE)	NOZZLE TO SAFE-END	VOLUMETRIC	A-1		0.000	
B5.20	B-F	1B11\N11B (N-SE)	NOZZLE TO SAFE-END	VISUAL	A-1		0.000	
B5.20	B-F	1B11\N11B (N-SE)	NOZZLE TO SAFE-END	VOL-AUG	A-1		0.000	
B5.20	B-F	1B11\N12A (N-SE)	NOZZLE TO SAFE-END	SURFACE	A-1		0.000	
B5.20	B-F	1B11\N12A (N-SE)	NOZZLE TO SAFE-END	VOLUMETRIC	A-1		0.000	
B5.20	B-F	1B11\N12A (N-SE)	NOZZLE TO SAFE-END	VISUAL	A-1		0.000	
B5.20	B-F	1B11\N12A (N-SE)	NOZZLE TO SAFE-END	VOL-AUG	A-1		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B5.20	B-F	1B11\N12B (N-SE)	NOZZLE TO SAFE-END	SURFACE	A-1		0.000	
B5.20	B-F	1B11\N12B (N-SE)	NOZZLE TO SAFE-END	VOLUMETRIC	A-1		0.000	
B5.20	B-F	1B11\N12B (N-SE)	NOZZLE TO SAFE-END	VISUAL	A-1		0.000	
B5.20	B-F	1B11\N12B (N-SE)	NOZZLE TO SAFE-END	VOL-AUG	A-1		0.000	
B5.20	B-F	1B11\N16A (N-SE)	NOZZLE TO SAFE-END	VISUAL	A-1		0.000	
B5.20	B-F	1B11\N16A (N-SE)	NOZZLE TO SAFE-END	VIS-AUG	A-1		0.000	
B5.20	B-F	1B11\N16B (N-SE)	NOZZLE TO SAFE-END	VISUAL	A-1		0.000	
B5.20	B-F	1B11\N16B (N-SE)	NOZZLE TO SAFE-END	VIS-AUG	A-1		0.000	
B6.10	B-G-1	1B11\NUT-1	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-2	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-3	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-4	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-5	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-6	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-7	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-8	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-9	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-10	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-11	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-12	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-13	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B6.10	B-G-1	1B11\NUT-14	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-15	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-16	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-17	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-18	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-19	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-20	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-21	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-22	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-23	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-24	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-25	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-26	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-27	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-28	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-29	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-30	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-31	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-32	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-33	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-34	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-35	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-36	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-37	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-38	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-39	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-40	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B6.10	B-G-1	1B11\NUT-41	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-42	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-43	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-44	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-45	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-46	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-47	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-48	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-49	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-50	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-51	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.10	B-G-1	1B11\NUT-52	CLOSURE HEAD NUT	SURFACE	A-2A		0.000	
B6.20	B-G-1	1B11\STUD-1	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-2	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-3	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-4	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-5	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-6	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-7	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-8	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-9	CLOSURE HEAD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			STUD					
B6.20	B-G-1	1B11\STUD-10	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-11	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-12	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-13	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-14	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-15	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-16	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-17	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-18	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-19	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-20	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-21	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-22	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-23	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-24	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B6.20	B-G-1	1B11\STUD-25	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-26	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-27	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-28	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-29	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-30	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-31	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-32	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-33	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-34	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-35	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-36	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-37	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-38	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-38	CLOSURE HEAD STUD	SURFACE	A-2A		6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-39	CLOSURE HEAD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29

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HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			STUD					
B6.20	B-G-1	1B11\STUD-39	CLOSURE HEAD STUD	SURFACE	A-2A		6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-40	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-40	CLOSURE HEAD STUD	SURFACE	A-2A		6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-41	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-41	CLOSURE HEAD STUD	SURFACE	A-2A		6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-42	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-43	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-44	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-45	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-45	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-47	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-48	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-49	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-50	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.20	B-G-1	1B11\STUD-51	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B6.20	B-G-1	1B11\STUD-52	CLOSURE HEAD STUD	VOLUMETRIC	A-2A	156-H	6.250	06.250" Diam. SA-29
B6.40	B-G-1	1B11\LIG-1	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-2	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-3	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-4	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-5	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-6	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-7	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-8	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-9	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-10	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-11	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-12	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-13	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-14	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-15	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000"

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B6.40	B-G-1	1B11\LIG-16	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-17	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-18	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-19	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-20	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-21	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-22	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-23	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-24	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-25	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-26	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-27	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-28	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-29	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-30	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B6.40	B-G-1	1B11\LIG-31	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-32	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-33	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-34	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-35	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-36	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-37	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-38	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-39	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-40	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-41	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-42	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-43	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-44	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-45	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B6.40	B-G-1	1B11\LIG-46	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	06.875" X 09.000" X 24.000"

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B6.40	B-G-1	1B11\LIG-47	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-48	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-49	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-50	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-51	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.40	B-G-1	1B11\LIG-52	FLANGE LIGAMENT	VOLUMETRIC	A-2A	61-H	6.875	SA-533, Gr. B 06.875" X 09.000" X 24.000"
B6.50	B-G-1	1B11\WASHER-1	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-2	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-3	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-4	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-5	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-6	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-7	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-8	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-9	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B6.50	B-G-1	1B11\WASHER-10	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-11	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-12	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-13	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-14	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-15	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-16	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-17	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-18	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-19	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-20	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-21	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-22	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-23	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-24	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-25	CLOSURE HEAD	VISUAL	A-2A		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			WASHER					
B6.50	B-G-1	1B11\WASHER-26	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-27	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-28	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-29	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-30	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-31	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-32	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-33	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-34	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-35	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-36	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-37	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-38	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-39	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-40	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B6.50	B-G-1	1B11\WASHER-41	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-42	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-43	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-44	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-45	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-46	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-47	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-48	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-49	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-50	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-51	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B6.50	B-G-1	1B11\WASHER-52	CLOSURE HEAD WASHER	VISUAL	A-2A		0.000	
B7.80	B-G-2	1B11\FLANGE BOLTING	CRD HOUSING	VIS-AUG	---		0.000	
B8.10	B-H	1B11\C-6 (0-120)	SUPPORT SKIRT-N1A (0 DEGREE) TO N2D (120 DEGREE) C.W.	SURFACE	A-1A		0.000	
B8.10	B-H	1B11\C-6 (120-270)	SUPPORT	VOLUMETRIC	A-1A	61-H	6.875	06.875" X 09.000" X 24.000"

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			SKIRT-N2D (120 DEGREE) TO N2H (270 DEGREE) C.W.					SA-533, Gr. B
B8.10	B-H	1B11\C-6 (270-0)	SUPPORT SKIRT-N2H (270 DEGREE) TO N1A (0 DEGREE) C. W.	VOLUMETRIC	A-1A	61-H	6.875	06.875" X 09.000" X 24.000" SA-533, Gr. B
B8.10	B-H	1B11\SB1	STABILIZER BRACKET NO. 1	SURFACE	A-36		0.000	
B8.10	B-H	1B11\SB2	STABILIZER BRACKET NO. 2	SURFACE	A-36		0.000	
B8.10	B-H	1B11\SB3	STABILIZER BRACKET NO. 3	SURFACE	A-36		0.000	
B8.10	B-H	1B11\SB4	STABILIZER BRACKET NO. 4	SURFACE	A-36		0.000	
B15.10	B-P	1B11\CLASS 1 LEAKAGE TEST	PRESSURE RETAINING	VISUAL	-		0.000	
--	--	1B11 I\E	SHROUD HEAD & MOISTURE SEPARATOR	VT-1	1-BN-3-1, 3-2, 3-3		0.000	
--	--	1B11 I\J10Z	JET PUMP 19&20 ASSY	VT-3	1-BN-4-1 thru 7		0.000	
--	--	1B11 I\J10Z	JET PUMP 19&20 ASSY	VT-1	1-BN-4-1 thru 7		0.000	
--	--	1B11 I\J1Z	JET PUMP 1 & 2 ASSY	VT-3	1-BN-4-1 thru 7		0.000	
--	--	1B11 I\J2Z	JET PUMP 3 & 4	VT-3	1-BN-4-		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			ASSY		1 thru 7			
--	--	1B11 I\J2Z	JET PUMP 3, & 4 ASSY	VT-1	1-BN-4- 1 thru 7		0.000	
--	--	1B11 I\J3Z	JET PUMP 5 & 6 ASSY	VT-3	1-BN-4- 1 thru 7		0.000	
--	--	1B11 I\J3Z	JET PUMP 5 & 6 ASSY	VT-1	1-BN-4- 1 thru 7		0.000	
--	--	1B11 I\J4Z	JET PUMP 7 & 8 ASSY	VT-3	1-BN-4- 1 thru 7		0.000	
--	--	1B11 I\J4Z	JET PUMP 7 & 8 ASSY	VT-1	1-BN-4- 1 thru 7		0.000	
--	--	1B11 I\J5Z	JET PUMP 9 & 10 ASSY	VT-3	1-BN-4- 1 thru 7		0.000	
--	--	1B11 I\J5Z	JET PUMP 9 & 10 ASSY	VT-1	1-BN-4- 1 thru 7		0.000	
--	--	1B11 I\J6Z	JET PUMP 11&12 ASSY	VT-3	1-BN-4- 1 thru 7		0.000	
--	--	1B11 I\J6Z	JET PUMP 11&12 ASSY	VT-1	1-BN-4- 1 thru 7		0.000	
--	--	1B11 I\J7Z	JET PUMP 13&14 ASSY	VT-3	1-BN-4- 1 thru 7		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
--	--	1B11 I\J7Z	JET PUMP 13&14 ASSY	VT-1	1-BN-4-1 thru 7		0.000	
--	--	1B11 I\J8Z	JET PUMP 15&16 ASSY	VT-3	1-BN-4-1 thru 7		0.000	
--	--	1B11 I\J8Z	JET PUMP 15&16 ASSY	VT-1	1-BN-4-1 thru 7		0.000	
--	--	1B11 I\J9Z	JET PUMP 17&18 ASSY	VT-3	1-BN-4-1 thru 7		0.000	
--	--	1B11 I\J9Z	JET PUMP 17&18 ASSY	VT-1	1-BN-4-1 thru 7		0.000	
--	--	1B11 I\K	STEAM DRYER	VT-3	1-BN-17-1 thru 8		0.000	
--	--	1B11 I\M-1A	UPPER CORE SPRAY A PPG NOZ & BRKTS - 270 - 90 DEG	VT-1	1-BN-7-5		0.000	
--	--	1B11 I\M-1B	LOWER CORE SPRAY B PPG NOZ & BRKTS - 270 - 90 DEG	VT-1	1-BN-7-5		0.000	
--	--	1B11 I\M-1C	UPPER CORE SPRAY C PPG NOZ & BRKTS - 90 - 270 DEG	VT-1	1-BN-7-5		0.000	
--	--	1B11 I\M-1D	LOWER CORE SPRAY D PPG NOZ &	VT-1	1-BN-7-5		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			BRKTS - 90 - 270 DEG					
--	--	1B11 I\M-2A	UPPER CORE SPRAY INLET T-BOX AT 10 DEG TO SHROUD	VT-1	1-BN-7- 5		0.000	
--	--	1B11 I\M-2B	UPPER CORE SPRAY INLET T-BOX AT 170 DEG TO SHROUD	VT-1	1-BN-7- 5		0.000	
--	--	1B11 I\M-2C	LOWER CORE SPRAY INLET T-BOX AT 190 DEG TO SHROUD	VT-1	1-BN-7- 5		0.000	
--	--	1B11 I\M-2D	LOWER CORE SPRAY INLET T-BOX AT 350 DEG TO SHROUD	VT-1	1-BN-7- 5		0.000	
--	--	1B11 I\N-1A	CORE SPRY INTERN PPG FROM INLET @ 90 (1N5B) TO JUNC BOX	VT-1	1-BN-7- 1 1-BN-7- 3		0.000	
--	--	1B11 I\N-1B	CORE SPRY INTERN PPG FROM INLET @ 270 (1N5A) TO JUNC BOX	VT-1	1-BN-7- 1 1-BN-7- 3		0.000	
--	--	1B11 I\N-2A	CORE SPRY INTERN PPG FROM JUNC BOX @ 90 TO SHROUD @ 10	VT-1	1-BN-7- 1 1-BN-7- 3		0.000	
--	--	1B11 I\N-2B	CORE SPRY INTERN PPG FROM JUNC BOX @ 90 TO	VT-1	1-BN-7- 1 1-BN-7-		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			SHROUD @ 170		3			
--	--	1B11 I\N-3A	CORE SPRY INTERN PPG FROM JUNC BOX @ 270 TO SHROUD @ 190	VT-1	1-BN-7- 1 1-BN-7- 2		0.000	
--	--	1B11 I\N-3B	CORE SPRY INTERN PPG FROM JUNC BOX @ 270 TO SHROUD @ 350	VT-1	1-BN-7- 1 1-BN-7- 3		0.000	
--	--	1B11 I\N-5A	A LOOP CORE SPRAY INLET NOZZLE N5A	VT-1	A-1		0.000	
--	--	1B11 I\N-5B	B LOOP CORE SPRAY INLET NOZZLE N5B	VT-1	A-1		0.000	
--	--	1B11 I\O-1A	FEEDWATER SPARGERS 45 DEG ARM FLOW HOLES, WELDS	VT-1	1-BN-9- 1		0.000	
--	--	1B11 I\O-1B	FEEDWATER SPARGERS 45 DEG TEE FLOW HOLES & WELDS	VT-1	1-BN-9- 1		0.000	
--	--	1B11 I\O-1C	FEEDWATER SPARGERS 45 DEG BRACKETS	VT-1	1-BN-9- 1		0.000	
--	--	1B11 I\O-1E	FEEDWATER NOZZLE INNER RADIUS @ 45 DEG (1N4A)	VT-1	1-BA-1		0.000	
--	--	1B11 I\O-2A	FEEDWATER SPARGERS 135 DEG ARM FLOW HOLES,	VT-1	1-BN-9- 1		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			WELDS					
--	--	1B11 I\O-2B	FEEDWATER SPARGERS 135 DEG TEE FLOW HOLES, WELDS	VT-1	1-BN-9- 1		0.000	
--	--	1B11 I\O-2C	FEEDWATER SPARGERS 135 DEG BRACKETS	VT-1	1-BN-9- 1		0.000	
--	--	1B11 I\O-2E	FEEDWATER NOZZLE INNER RADIUS @ 135 DEG (1N4B)	VT-1	1-BA-1		0.000	
--	--	1B11 I\O-3A	FEEDWATER SPARGERS 225 DEG ARM FLOW HOLES, WELDS	VT-1	1-BN-9- 1		0.000	
--	--	1B11 I\O-3B	FEEDWATER SPARGERS 225 DEG TEE FLOW HOLES, WELDS	VT-1	1-BN-9- 1		0.000	
--	--	1B11 I\O-3C	FEEDWATER SPARGERS 225 DEG BRACKETS	VT-1	1-BN-9- 1		0.000	
--	--	1B11 I\O-3E	FEEDWATER NOZZLE INNER RADIUS @ 225 DEG (1N4C)	VT-1	1-BA-1		0.000	
--	--	1B11 I\O-4A	FEEDWATER SPARGERS 315 DEG ARM FLOW HOLES, WELDS	VT-1	1-BN-9- 1		0.000	
--	--	1B11 I\O-4B	FEEDWATER SPARGERS 315 DEG TEE FLOW HOLES,	VT-1	1-BN-9- 1		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
WELDS								
--	--	1B11 I\O-4C	FEEDWATER SPARGERS 315 DEG BRACKETS	VT-1	1-BN-9-1		0.000	
--	--	1B11 I\O-4E	FEEDWATER NOZZLE INNER RADIUS @ 315 DEG (1N4D)	VT-1	1-BA-1		0.000	
B13.10	B-N-1	1B11 I\F-1	VESSEL CLADDING PATCH 1	GVT-3	1-BN-3-3		0.000	
B13.10	B-N-1	1B11 I\F-2	VESSEL CLADDING PATCH 2	GVT-3	1-BN-3-3		0.000	
B13.10	B-N-1	1B11 I\F-3	VESSEL CLADDING PATCH 3	GVT-3	1-BN-3-3		0.000	
B13.10	B-N-1	1B11 I\F-4	VESSEL CLADDING PATCH 4	GVT-3	1-BN-3-3		0.000	
B13.10	B-N-1	1B11 I\F-5	VESSEL CLADDING PATCH 5	GVT-3	1-BN-3-3		0.000	
B13.10	B-N-1	1B11 I\F-6	VESSEL CLADDING PATCH 6	GVT-3	1-BN-3-3		0.000	
B13.10	B-N-1	1B11 I\F-7	EXAMINATION OF VESSEL INTERIOR	GVT-3	1-BN-3-3		0.000	
B13.20	B-N-2	1B11 I\B-2	LOWER SURV SPECIMEN BRCKT & ATTACH WELD AZIMUTH 30 DEG	VT-1	1-BN-3-2 1-BN-11-2		0.000	
B13.20	B-N-2	1B11 I\B-2	LOWER SURV SPECIMEN BRCKT & ATTACH WELD AZIMUTH 30 DEG	VT-3	1-BN-3-2 1-BN-11-2		0.000	
B13.20	B-N-2	1B11 I\B-4	LOWER SURV SPECIMEN BRCKT &	VT-1	1-BN-3-2		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			ATTACH WELD		1-BN-11			
			AZIMUTH 120 DEG		-2			
B13.20	B-N-2	1B11 I\B-4	LOWER SURV	VT-3	1-BN-3-		0.000	
			SPECIMEN BRCKT &		2			
			ATTACH WELD		1-BN-11			
			AZIMUTH 120 DEG		-2			
B13.20	B-N-2	1B11 I\B-6	LOWER SURV	VT-1	1-BN-3-		0.000	
			SPECIMEN BRCKT &		2			
			ATTACH WELD		1-BN-11			
			AZIMUTH 300 DEG		-2			
B13.20	B-N-2	1B11 I\B-6	LOWER SURV	VT-3	1-BN-3-		0.000	
			SPECIMEN BRCKT &		2			
			ATTACH WELD		1-BN-11			
			AZIMUTH 300 DEG		-2			
B13.20	B-N-2	1B11 I\J1	RISER BRACE	VT-1	1-BN-4-		0.000	
			SUPPORT PADS TO		2			
			VESSEL WELD -		1-BN-4-			
			JET PUMPS 1 & 2		3			
B13.20	B-N-2	1B11 I\J1	RISER BRACE	VT-3	1-BN-4-		0.000	
			SUPPORT PADS TO		2			
			VESSEL WELD -		1-BN-4-			
			JET PUMPS 1 & 2		3			
B13.20	B-N-2	1B11 I\J10	RISER BRACE	VT-1	1-BN-4-		0.000	
			SUPPORT PADS TO		2			
			VESSEL WELD -		1-BN-4-			
			JET PUMPS 19 &		3			
			20					
B13.20	B-N-2	1B11 I\J10	RISER BRACE	VT-3	1-BN-4-		0.000	
			SUPPORT PADS TO		2			
			VESSEL WELD -		1-BN-4-			
			JET PUMPS 19 &		3			
			20					

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B13.20	B-N-2	1B11 I\J2	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 3 & 4	VT-1	1-BN-4- 2 1-BN-4- 3		0.000	
B13.20	B-N-2	1B11 I\J2	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 3 & 4	VT-3	1-BN-4- 2 1-BN-4- 3		0.000	
E13.20	B-N-2	1B11 I\J3	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 5 & 6	VT-1	1-BN-4- 2 1-BN-4- 3		0.000	
B13.20	B-N-2	1B11 I\J3	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 5 & 6	VT-3	1-BN-4- 2 1-BN-4- 3		0.000	
B13.20	B-N-2	1B11 I\J4	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 7 & 8	VT-1	1-BN-4- 2 1-BN-4- 3		0.000	
B13.20	B-N-2	1B11 I\J4	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 7 & 8	VT-3	1-BN-4- 2 1-BN-4- 3		0.000	
B13.20	B-N-2	1B11 I\J5	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 9 & 10	VT-1	1-BN-4- 2 1-BN-4- 3		0.000	
B13.20	B-N-2	1B11 I\J5	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 9 & 10	VT-3	1-BN-4- 2 1-BN-4- 3		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B13.20	B-N-2	1B11 I\J6	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 11 & 12	VT-1	1-BN-4- 2 1-BN-4- 3		0.000	
B13.20	B-N-2	1B11 I\J6	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 11 & 12	VT-3	1-BN-4- 2 1-BN-4- 3		0.000	
B13.20	B-N-2	1B11 I\J7	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 13 & 14	VT-1	1-BN-4- 2 1-BN-4- 3		0.000	
B13.20	B-N-2	1B11 I\J7	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 13 & 14	VT-3	1-BN-4- 2 1-BN-4- 3		0.000	
B13.20	B-N-2	1B11 I\J8	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 15 & 16	VT-1	1-BN-4- 2 1-BN-4- 3		0.000	
B13.20	B-N-2	1B11 I\J8	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 15 & 16	VT-3	1-BN-4- 2 1-BN-4- 3		0.000	
B13.20	B-N-2	1B11 I\J9	RISER BRACE SUPPORT PADS TO VESSEL WELD -	VT-1	1-BN-4- 2 1-BN-4-		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			JET PUMPS 17 & 18		3			
B13.20	B-N-2	1B11 I\J9	RISER BRACE SUPPORT PADS TO VESSEL WELD - JET PUMPS 17 & 18	VT-3	1-BN-4-2 1-BN-4-3		0.000	
B13.30	B-N-2	1B11 I\A-1	UP GUIDE ROD	VT-3	1-BN-3-2 1-BN-10-2		0.000	
B13.30	B-N-2	1B11 I\A-1	UP GUIDE ROD	VT-1	1-BN-3-2 1-BN-10-2		0.000	
B13.30	B-N-2	1B11 I\A-2	UP GUIDE ROD BRACKET & ATTACH WELD AZIMUTH 180 DEG	VT-3	1-BN-3-2 1-BN-10-2		0.000	
B13.30	B-N-2	1B11 I\A-2	UP GUIDE ROD BRACKET & ATTACH WELD AZIMUTH 180 DEG	VT-1	1-BN-3-2 1-BN-10-2		0.000	
B13.30	B-N-2	1B11 I\B-1	UPPER SURV SPECIMEN	VT-3	1-BN-3-2 1-BN-11-2		0.000	
B13.30	B-N-2	1B11 I\B-1	UPPER SURV SPECIMEN	VT-1	1-BN-3-2 1-BN-11-2		0.000	
B13.30	B-N-2	1B11 I\B-3	UPPER SURV	VT-3	1-BN-3-		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			SPECIMEN		2 1-BN-11 -2			
B13.30	B-N-2	1B11 I\B-3	UPPER SURV SPECIMEN	VT-1	1-BN-3- 2 1-BN-11 -2		0.000	
B13.30	B-N-2	1B11 I\B-5	UPPER SURV SPECIMEN	VT-3	1-BN-3- 2 1-BN-11 -2		0.000	
B13.30	B-N-2	1B11 I\B-5	UPPER SURV SPECIMEN	VT-1	1-BN-3- 2 1-BN-11 -2		0.000	
B13.30	B-N-2	1B11 I\C-1(I)	STEAM DRYER SUPPORT BRKT & ATTACH WELD - 34 DEGREES	VT-3	1-BN-3- 2 1-BN-12 -2		0.000	
B13.30	B-N-2	1B11 I\C-1(I)	STEAM DRYER SUPPORT BRKT & ATTACH WELD - 34 DEGREES	VT-1	1-BN-3- 2 1-BN-12 -2		0.000	
B13.30	B-N-2	1B11 I\C-2(I)	STEAM DRYER SUPPORT BRKT & ATTACH WELD - 146 DEGREES	VT-3	1-BN-3- 2 1-BN-12 -2		0.000	
B13.30	B-N-2	1B11 I\C-2(I)	STEAM DRYER SUPPORT BRKT & ATTACH WELD - 146 DEGREES	VT-1	1-BN-3- 2 1-BN-12 -2		0.000	
B13.30	B-N-2	1B11 I\C-3(I)	STEAM DRYER	VT-3	1-BN-3-		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			SUPPORT BRKT & ATTACH WELD - 214 DEGREES		2 1-BN-12 -2			
B13.30	B-N-2	1B11 I\C-3(I)	STEAM DRYER SUPPORT BRKT & ATTACH WELD - 214 DEGREES	VT-1	1-BN-3- 2 1-BN-12 -2		0.000	
B13.30	B-N-2	1B11 I\C-4(I)	STEAM DRYER SUPPORT BRKT & ATTACH WELD - 326 DEGREES	VT-3	1-BN-3- 2 1-BN-12 -2		0.000	
B13.30	B-N-2	1B11 I\C-4(I)	STEAM DRYER SUPPORT BRKT & ATTACH WELD - 326 DEGREES	VT-1	1-BN-3- 2 1-BN-12 -2		0.000	
B13.30	B-N-2	1B11 I\C-5(I)	RPV HEAD STEAM DRYER HOLD-DOWN BRKT & ATTACH WELD - 35 DEG	VT-3	1-BA-9 1-BN-12 -1		0.000	
B13.30	B-N-2	1B11 I\C-5(I)	RPV HEAD STEAM DRYER HOLD-DOWN BRKT & ATTACH WELD - 35 DEG	VT-1	1-BA-9 1-BN-12 -1		0.000	
B13.30	B-N-2	1B11 I\C-6(I)	RPV HEAD STEAM DRYER HOLD-DOWN BRKT & ATTACH WELD - 145 DEG	VT-3	1-BA-9 1-BN-12 -1		0.000	
B13.30	B-N-2	1B11 I\C-6(I)	RPV HEAD STEAM DRYER HOLD-DOWN BRKT & ATTACH WELD - 145 DEG	VT-1	1-BA-9 1-BN-12 -1		0.000	
B13.30	B-N-2	1B11 I\C-7(I)	RPV HEAD STEAM	VT-3	1-BA-9		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			DRYER HOLD-DOWN BRKT & ATTACH WELD - 215 DEG		1-BN-12 -1			
B13.30	B-N-2	1B11 I\C-7(I)	RPV HEAD STEAM DRYER HOLD-DOWN BRKT & ATTACH WELD - 215 DEG	VT-1	1-BA-9 1-BN-12 -1		0.000	
B13.30	B-N-2	1B11 I\C-8(I)	RPV HEAD STEAM DRYER HOLD-DOWN BRKT & ATTACH WELD - 325 DEG	VT-3	1-BA-9 1-BN-12 -1		0.000	
B13.30	B-N-2	1B11 I\C-8(I)	RPV HEAD STEAM DRYER HOLD-DOWN BRKT & ATTACH WELD - 325 DEG	VT-1	1-BA-9 1-BN-12 -1		0.000	
B13.30	B-N-2	1B11 I\H9 (TOP)	SHROUD SUPPORT PLATE & GUSSET TO VESSEL WELDS	VT-3	1-BN-6- 6		0.000	
B13.30	B-N-2	1B11 I\H9 (BOT)	SHROUD SUPPORT PLATE TO VESSEL WELD	VT-3	1-BN-6- 6		0.000	
B13.30	B-N-2	1B11 I\N-4A	CORE SPRAY SUPPORT BRCKT ATTACH WELDS TO VESSEL @ 30	VT-3	1-BN-7- 2 1-BN-7- 4		0.000	
B13.30	B-N-2	1B11 I\N-4B	CORE SPRAY SUPPORT BRCKT ATTACH WELDS TO VESSEL @ 150	VT-3	1-BN-7- 2 1-BN-7- 4		0.000	
B13.30	B-N-2	1B11 I\N-4C	CORE SPRAY SUPPORT BRCKT ATTACH WELDS TO	VT-3	1-BN-7- 3 1-BN-7-		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			VESSEL @ 210		4			
B13.30	B-N-2	1B11 I\N-4D	CORE SPRAY	VT-3	1-BN-7-		0.000	
			SUPPORT BRCKT		3			
			ATTACH WELDS TO		1-BN-7-			
			VESSEL @ 330		4			
B13.30	B-N-2	1B11 I\O-1D	FEEDWATER	VT-3	1-BN-9-		0.000	
			SPARGERS 45 DEG		1			
			BRCKT ATT WELDS		1-BN-9-			
					2			
B13.30	B-N-2	1B11 I\O-2D	FEEDWATER	VT-3	1-BN-9-		0.000	
			SPARGERS 135 DEG		1			
			BRCKT ATT WELDS		1-BN-9-			
					2			
B13.30	B-N-2	1B11 I\O-3D	FEEDWATER	VT-3	1-BN-9-		0.000	
			SPARGERS 225 DEG		1			
			BRCKT ATT WELDS		1-BN-9-			
					2			
B13.30	B-N-2	1B11 I\O-4D	FEEDWATER	VT-3	1-BN-9-		0.000	
			SPARGERS 315 DEG		1			
			BRCKT ATT WELDS		1-BN-9-			
					2			
B13.40	B-N-2	1B11 I\D	TOP GUIDE	VT-1	1-BN-8-		0.000	
					1			
B13.40	B-N-2	1B11 I\G1	CORE PLATE	VT-3	1-BN-14		0.000	
					-2			
					1-BE-7			
B13.40	B-N-2	1B11 I\L1	CRD STUB TUBES/ HOUSING WELDS	VT-3	1-BN-14		0.000	
					-1			
B13.40	B-N-2	1B11 I\I	GUIDE TUBES	VT-3	1-BN-14		0.000	
					-2			
					1-BN-14			
					-4			

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B13.40	B-N-2	1B11 I\P-1	FUEL SUPPORT CASTING	VT-3	1-BN-14 -4		0.000	
B7.50	B-G-2	1B21-1MS-8A-ASR-2FB	FLANGE BOLTING	VISUAL	A-4		0.000	
B7.50	B-G-2	1B21-1MS-8A-BSR-2FB	FLANGE BOLTING	VISUAL	A-4		0.000	
B7.50	B-G-2	1B21-1MS-8B-ASR-2FB	FLANGE BOLTING	VISUAL	A-5		0.000	
B7.50	B-G-2	1B21-1MS-8B-BSR-2FB	FLANGE BOLTING	VISUAL	A-5		0.000	
B7.50	B-G-2	1B21-1MS-8B-CSR-2FB	FLANGE BOLTING	VISUAL	A-5		0.000	
B7.50	B-G-2	1B21-1MS-8B-DSR-2FB	FLANGE BOLTING	VISUAL	A-5		0.000	
B7.50	B-G-2	1B21-1MS-8C-ASR-2FB	FLANGE BOLTING	VISUAL	A-6		0.000	
B7.50	B-G-2	1B21-1MS-8C-BSR-2FB	FLANGE BOLTING	VISUAL	A-6		0.000	
B7.50	B-G-2	1B21-1MS-8C-CSR-2FB	FLANGE BOLTING	VISUAL	A-6		0.000	
B7.50	B-G-2	1B21-1MS-8D-ASR-2FB	FLANGE BOLTING	VISUAL	A-7		0.000	
B7.50	B-G-2	1B21-1MS-8D-BSR-2FB	FLANGE BOLTING	VISUAL	A-7		0.000	
B7.70	B-G-2	B21-F010A Bolting	VALVE BOLTING	VISUAL	A-8		0.000	
B7.70	B-G-2	B21-F010B Bolting	VALVE BOLTING	VISUAL	A-9		0.000	
B7.70	B-G-2	B21-F011A Bolting	VALVE BOLTING	VISUAL	A-8		0.000	
B7.70	B-G-2	B21-F011B Bolting	VALVE BOLTING	VISUAL	A-9		0.000	
B7.70	B-G-2	B21-F013A Bolting	VALVE BOLTING	VISUAL	A-4		0.000	
B7.70	B-G-2	B21-F013B Bolting	VALVE BOLTING	VISUAL	A-4		0.000	
B7.70	B-G-2	B21-F013C Bolting	VALVE BOLTING	VISUAL	A-5		0.000	
B7.70	B-G-2	B21-F013D Bolting	VALVE BOLTING	VISUAL	A-5		0.000	
B7.70	B-G-2	B21-F013E Bolting	VALVE BOLTING	VISUAL	A-5		0.000	
B7.70	B-G-2	B21-F013F Bolting	VALVE BOLTING	VISUAL	A-6		0.000	
B7.70	B-G-2	B21-F013G Bolting	VALVE BOLTING	VISUAL	A-6		0.000	
B7.70	B-G-2	B21-F013H Bolting	VALVE BOLTING	VISUAL	A-7		0.000	
B7.70	B-G-2	B21-F013J Bolting	VALVE BOLTING	VISUAL	A-7		0.000	
B7.70	B-G-2	B21-F013K Bolting	VALVE BOLTING	VISUAL	A-5		0.000	
B7.70	B-G-2	B21-F013L Bolting	VALVE BOLTING	VISUAL	A-6		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B7.70	B-G-2	B21-F022A Bolting	VALVE BOLTING	VISUAL	A-4A		0.000	
B7.70	B-G-2	B21-F022B Bolting	VALVE BOLTING	VISUAL	A-5A		0.000	
B7.70	B-G-2	B21-F022C Bolting	VALVE BOLTING	VISUAL	A-6A		0.000	
B7.70	B-G-2	B21-F022D Bolting	VALVE BOLTING	VISUAL	A-7A		0.000	
B7.70	B-G-2	B21-F028A Bolting	VALVE BOLTING	VISUAL	A-4A		0.000	
B7.70	B-G-2	B21-F028B Bolting	VALVE BOLTING	VISUAL	A-5A		0.000	
B7.70	B-G-2	B21-F028C Bolting	VALVE BOLTING	VISUAL	A-6A		0.000	
B7.70	B-G-2	B21-F028D Bolting	VALVE BOLTING	VISUAL	A-7A		0.000	
B7.70	B-G-2	B21-F032A Bolting	VALVE BOLTING	VISUAL	A-8		0.000	
B7.70	B-G-2	B21-F032B Bolting	VALVE BOLTING	VISUAL	A-9		0.000	
B9.11	B-J	1B21-1FW-12AA-1	TEE TO ELBOW	VOLUMETRIC	A-10	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AA-1	TEE TO ELBOW	SURFACE	A-10		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AA-3	PIPE TO ELBOW	VOLUMETRIC	A-10	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AA-3	PIPE TO ELBOW	SURFACE	A-10		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AA-6	ELBOW TO PIPE	VOLUMETRIC	A-10	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AA-6	ELBOW TO PIPE	SURFACE	A-10		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AA-14	ELBOW TO PIPE	VOLUMETRIC	A-10	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AA-14	ELBOW TO PIPE	SURFACE	A-10		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AA-15	PIPE TO TRANSITION PIECE	VOLUMETRIC	A-10	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AA-15	PIPE TO	SURFACE	A-10		0.844	12.000" Sch. 100 SA-106,

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			TRANSITION PIECE					Gr. B
B9.11	B-J	1B21-1FW-12AA-15	PIPE TO TRANSITION PIECE	VOL-AUG	A-10		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AA-16	TRANSITION PIECE TO NOZZLE	VOLUMETRIC	A-10	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AA-16	TRANSITION PIECE TO NOZZLE	SURFACE	A-10		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AA-16	TRANSITION PIECE TO NOZZLE	VOL-AUG	A-10		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AB-7	PIPE TO ELBOW	VOLUMETRIC	A-11	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AB-7	PIPE TO ELBOW	SURFACE	A-11		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AB-8	ELBOW TO PIPE	VOLUMETRIC	A-11	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AB-8	ELBOW TO PIPE	SURFACE	A-11		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AB-9	PIPE TO TRANSITION PIECE	VOLUMETRIC	A-11	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AB-9	PIPE TO TRANSITION PIECE	SURFACE	A-11		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AB-9	PIPE TO TRANSITION PIECE	VOL-AUG	A-11		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AB-10	TRANSITION PIECE TO NOZZLE	VOLUMETRIC	A-11	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AB-10	TRANSITION PIECE TO NOZZLE	SURFACE	A-11		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12AB-10	TRANSITION PIECE TO NOZZLE	VOL-AUG	A-11		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BC-2	PIPE TO ELBOW	VOLUMETRIC	A-12	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1B21-1FW-12BC-2	PIPE TO ELBOW	SURFACE	A-12		0.844	12.000" Sch. 100 SA-106, Gr. B
39.11	B-J	1B21-1FW-12BC-4	ELBOW TO PIPE	VOLUMETRIC	A-12	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BC-4	ELBOW TO PIPE	SURFACE	A-12		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BC-7	PIPE TO ELBOW	VOLUMETRIC	A-12	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BC-7	PIPE TO ELBOW	SURFACE	A-12		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BC-9	PIPE TO TRANSITION PIECE	VOLUMETRIC	A-12	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BC-9	PIPE TO TRANSITION PIECE	SURFACE	A-12		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BC-9	PIPE TO TRANSITION PIECE	VOL-AUG	A-12		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BC-10	TRANSITION PIECE TO NOZZLE	VOLUMETRIC	A-12	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BC-10	TRANSITION PIECE TO NOZZLE	SURFACE	A-12		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BC-10	TRANSITION PIECE TO NOZZLE	VOL-AUG	A-12		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BD-3	PIPE TO ELBOW	VOLUMETRIC	A-13	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BD-3	PIPE TO ELBOW	SURFACE	A-13		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BD-5	PIPE TO ELBOW	VOLUMETRIC	A-13	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BD-5	PIPE TO ELBOW	SURFACE	A-13		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BD-15	PIPE TO	VOLUMETRIC	A-13	148-H	0.844	12.000" Sch. 100 SA-106,

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			TRANSITION PIECE					Gr. B
B9.11	B-J	1B21-1FW-12BD-15	PIPE TO TRANSITION PIECE	SURFACE	A-13		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BD-15	PIPE TO TRANSITION PIECE	VOL-AUG	A-13		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BD-16	TRANSITION PIECE TO NOZZLE	VOLUMETRIC	A-13	148-H	0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BD-16	TRANSITION PIECE TO NOZZLE	SURFACE	A-13		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-12BD-16	TRANSITION PIECE TO NOZZLE	VOL-AUG	A-13		0.844	12.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1FW-18A-5	VALVE TO PIPE	VOLUMETRIC	A-8	77-H	1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18A-5	VALVE TO PIPE	SURFACE	A-8		1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18A-8	PIPE TO VALVE	VOLUMETRIC	A-8	77-H	1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18A-8	PIPE TO VALVE	SURFACE	A-8		1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18A-9	VALVE TO ELBOW	VOLUMETRIC	A-8	77-H	1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18A-9	VALVE TO ELBOW	SURFACE	A-8		1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18A-12	PIPE TO ELBOW	VOLUMETRIC	A-8	77-H	1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18A-12	PIPE TO ELBOW	SURFACE	A-8		1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18A-15	ELBOW TO TEE	VOLUMETRIC	A-8	77-H	1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18A-15	ELBOW TO TEE	SURFACE	A-8		1.375	18.000" Sch. 120 SA-106, Gr.B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1B21-1FW-18B-4	VALVE TO PIPE	VOLUMETRIC	A-9	77-H	1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18B-4	VALVE TO PIPE	SURFACE	A-9		1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18B-7	PIPE TO VALVE	VOLUMETRIC	A-9	77-H	1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18B-7	PIPE TO VALVE	SURFACE	A-9		1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18B-10	PIPE TO ELBOW	VOLUMETRIC	A-9	77-H	1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18B-10	PIPE TO ELBOW	SURFACE	A-9		1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18B-11	ELBOW TO VALVE	VOLUMETRIC	A-9	77-H	1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1FW-18B-11	ELBOW TO VALVE	SURFACE	A-9		1.375	18.000" Sch. 120 SA-106, Gr.B
B9.11	B-J	1B21-1MS-8A-ASR-2	PIPE TO FLANGE	VOLUMETRIC	A-4	5-H	0.719	06.000" Sch. 160 SA-106, Gr.3
B9.11	B-J	1B21-1MS-8A-ASR-2	PIPE TO FLANGE	SURFACE	A-4		0.719	06.000" Sch. 160 SA-106, Gr.B
B9.11	B-J	1B21-1MS-8A-BSR-2	PIPE TO FLANGE	VOLUMETRIC	A-4	5-H	0.719	06.000" Sch. 160 SA-106, Gr.B
B9.11	B-J	1B21-1MS-8A-BSR-2	PIPE TO FLANGE	SURFACE	A-4		0.719	06.000" Sch. 160 SA-106, Gr.B
B9.11	B-J	1B21-1MS-8B-BSR-2	PIPE TO FLANGE	VOLUMETRIC	A-5	5-H	0.719	06.000" Sch. 160 SA-106, Gr.B
B9.11	B-J	1B21-1MS-8B-BSR-2	PIPE TO FLANGE	SURFACE	A-5		0.719	06.000" Sch. 160 SA-106, Gr.B
B9.11	B-J	1B21-1MS-8B-CSR-2	PIPE TO FLANGE	VOLUMETRIC	A-5	5-H	0.719	06.000" Sch. 160 SA-106, Gr.B
B9.11	B-J	1B21-1MS-8B-CSR-2	PIPE TO FLANGE	SURFACE	A-5		0.719	06.000" Sch. 160 SA-106, Gr.B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
								Gr.B
B9.11	B-J	1B21-1MS-8C-CSR-2	PIPE TO FLANGE	VOLUMETRIC	A-6	5-H	0.719	06.000" Sch. 160 SA-106, Gr.B
B9.11	B-J	1B21-1MS-8C-CSR-2	PIPE TO FLANGE	SURFACE	A-6		0.719	06.000" Sch. 160 SA-106, Gr.B
B9.11	B-J	1B21-1MS-8D-ASR-2	PIPE TO FLANGE	VOLUMETRIC	A-7	5-H	0.719	06.000" Sch. 160 SA-106, Gr.B
B9.11	B-J	1B21-1MS-8D-ASR-2	PIPE TO FLANGE	SURFACE	A-7		0.719	06.000" Sch. 160 SA-106, Gr.B
B9.11	B-J	1B21-1MS-24A-1	NOZZLE TO TRANSITION PIECE	VOLUMETRIC	A-4	152-H	1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1B21-1MS-24A-1	NOZZLE TO TRANSITION PIECE	SURFACE	A-4		1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1B21-1MS-24A-2	TRANSITION PIECE TO PIPE	VOLUMETRIC	A-4	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24A-2	TRANSITION PIECE TO PIPE	SURFACE	A-4		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24A-3	PIPE TO ELBOW	VOLUMETRIC	A-4	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24A-3	PIPE TO ELBOW	SURFACE	A-4		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24A-8	ELBOW TO PIPE	VOLUMETRIC	A-4	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24A-8	ELBOW TO PIPE	SURFACE	A-4		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24A-10	ELBOW TO PIPE	VOLUMETRIC	A-4	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24A-10	ELBOW TO PIPE	SURFACE	A-4		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24A-16	PIPE TO VALVE	SURFACE	A-4A	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1B21-1MS-24A-16	PIPE TO VALVE	VOLUMETRIC	A-4A		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24A-18	FLUED HEAD TO PIPE	VOLUMETRIC	A-4A	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24A-18	FLUED HEAD TO PIPE	SURFACE	A-4A		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24A-19	PIPE TO VALVE	VOLUMETRIC	A-4A	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24A-19	PIPE TO VALVE	SURFACE	A-4A		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-1	NOZZLE TO TRANSITION PIECE	VOLUMETRIC	A-5	152-H	1.531	24.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-1	NOZZLE TO TRANSITION PIECE	SURFACE	A-5		1.531	24.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-3	PIPE TO ELBOW	VOLUMETRIC	A-5	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-3	PIPE TO ELBOW	SURFACE	A-5		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-10	PIPE TO ELBOW	VOLUMETRIC	A-5	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-10	PIPE TO ELBOW	SURFACE	A-5		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-11	ELBOW TO PIPE	VOLUMETRIC	A-5	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-11	ELBOW TO PIPE	SURFACE	A-5		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-13	PIPE TO ELBOW	VOLUMETRIC	A-5A	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-13	PIPE TO ELBOW	SURFACE	A-5A		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-14	ELBOW TO PIPE	VOLUMETRIC	A-5A	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1B21-1MS-24B-14	ELBOW TO PIPE	SURFACE	A-5A		1.219	B 24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-15	PIPE TO VALVE	VOLUMETRIC	A-5A	147-H	1.219	B 24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-15	PIPE TO VALVE	SURFACE	A-5A		1.219	B 24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-17	FLUED HEAD TO PIPE	VOLUMETRIC	A-5A	147-H	1.219	B 24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24B-17	FLUED HEAD TO PIPE	SURFACE	A-5A		1.219	B 24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-1	NOZZLE TO TRANSITION PIECE	VOLUMETRIC	A-6	152-H	1.531	B 24.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-1	NOZZLE TO TRANSITION PIECE	SURFACE	A-6		1.531	B 24.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-2	TRANSITION PIECE TO PIPE	VOLUMETRIC	A-6	147-H	1.219	B 24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-2	TRANSITION PIECE TO PIPE	SURFACE	A-6		1.219	B 24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-3	PIPE TO ELBOW	VOLUMETRIC	A-6	147-H	1.219	B 24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-3	PIPE TO ELBOW	SURFACE	A-6		1.219	B 24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-15	PIPE TO VALVE	VOLUMETRIC	A-6A	147-H	1.219	B 24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-15	PIPE TO VALVE	SURFACE	A-6A		1.219	B 24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-16	VALVE TO PIPE	VOLUMETRIC	A-6A	147-H	1.219	B 24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-16	VALVE TO PIPE	SURFACE	A-6A		1.219	B 24.000" Sch. 80 SA-106, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1B21-1MS-24C-17	FLUED HEAD	VOLUMETRIC	A-6A	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-17	FLUED HEAD	SURFACE	A-6A		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-20	PIPE TO VALVE	VOLUMETRIC	A-6A	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24C-20	PIPE TO VALVE	SURFACE	A-6A		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24D-1	NOZZLE TO TRANSITION PIECE	VOLUMETRIC	A-7	152-H	1.531	24.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24D-1	NOZZLE TO TRANSITION PIECE	SURFACE	A-7		1.531	24.000" Sch. 100 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24D-12	PIPE TO ELBOW	VOLUMETRIC	A-7A	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24D-12	PIPE TO ELBOW	SURFACE	A-7A		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24D-16	PIPE TO VALVE	VOLUMETRIC	A-7A	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24D-16	PIPE TO VALVE	SURFACE	A-7A		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24D-17	VALVE TO PIPE	VOLUMETRIC	A-7A	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24D-17	VALVE TO PIPE	SURFACE	A-7A		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24D-18	FLUED HEAD TO PIPE	VOLUMETRIC	A-7A	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24D-18	FLUED HEAD TO PIPE	SURFACE	A-7A		1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24D-19	PIPE TO VALVE	VOLUMETRIC	A-7A	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1B21-1MS-24D-19	PIPE TO VALVE	SURFACE	A-7A		1.219	24.000" Sch. 80 SA-106, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.31	B-J	1B21-1FW-18B-5BC	PIPE TO BRANCH CONNECTION,	VOLUMETRIC	A-9	77-H	1.375	B 18.000" Sch. 120 SA-106, Gr.B
B9.31	B-J	1B21-1FW-18B-5BC	PIPE TO BRANCH CONNECTION	SURFACE	A-9		1.375	18.000" Sch. 120 SA-106, Gr.B
B9.32	B-J	1B21-1MS-24D-8BC	PIPE TO BC	SURFACE	A-7		0.000	
B10.10	B-K-1	1B21-1FW-12AB-1PS-A	DEVICE B21-FDH-13	SURFACE	A-11		0.000	
B10.10	B-K-1	1B21-1FW-18B-9HL-5	DEVICE FDH-4	SURFACE	A-9		0.000	
B10.10	B-K-1	1B21-1MS-24A-5HL-1	DEVICE B21-MS-HA1	SURFACE	A-4		0.000	
B10.10	B-K-1	1B21-1MS-24A-8PS-B-1	DEVICE B21-HA2	SURFACE	A-4		0.000	
B10.10	B-K-1	1B21-1MS-24A-8PS-D-1	DEVICE B21-HA3	SURFACE	A-4		0.000	
B10.10	B-K-1	1B21-1MS-24B-8HL-1	DEVICE B21-SS6	SURFACE	A-5		0.000	
B10.10	B-K-1	1B21-1MS-24B-8PS-B-1	DEVICE B21-HB2	SURFACE	A-5		0.000	
B10.10	B-K-1	1B21-1MS-24B-14SL-1	DEVICE B21-GB1	SURFACE	A-5A		0.000	
B10.10	B-K-1	1B21-1MS-24C-8PS-B-1	DEVICE B21-HC2	SURFACE	A-6		0.000	
B10.10	B-K-1	1B21-1MS-24C-9PS-D-1	DEVICE B21-HC3	SURFACE	A-6		0.000	
B10.10	B-K-1	1B21-1MS-24D-8PS-B-1	DEVICE B21-HD2	SURFACE	A-7		0.000	
B10.10	B-K-1	1B21-1MS-24D-8PS-D-1	DEVICE B21-HD3	SURFACE	A-7		0.000	
B12.50	B-M-2	B21-F010A Body	VALVE BODIES	VISUAL	A-8		0.000	
B12.50	B-M-2	B21-F010B Body	VALVE BODIES	VISUAL	A-9		0.000	
B12.50	B-M-2	B21-F011A Body	VALVE BODIES	VISUAL	A-8		0.000	
B12.50	B-M-2	B21-F011B Body	VALVE BODIES	VISUAL	A-9		0.000	
B12.50	B-M-2	B21-F013A Body	VALVE BODIES	VISUAL	A-4		0.000	
B12.50	B-M-2	B21-F013B Body	VALVE BODIES	VISUAL	A-4		0.000	
B12.50	B-M-2	B21-F013C Body	VALVE BODIES	VISUAL	A-5		0.000	
B12.50	B-M-2	B21-F013D Body	VALVE BODIES	VISUAL	A-5		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B12.50	B-M-2	B21-F013E Body	VALVE BODIES	VISUAL	A-5		0.000	
B12.50	B-M-2	B21-F013F Body	VALVE BODIES	VISUAL	A-6		0.000	
B12.50	B-M-2	B21-F013G Body	VALVE BODIES	VISUAL	A-6		0.000	
B12.50	B-M-2	B21-F013H Body	VALVE BODIES	VISUAL	A-7		0.000	
B12.50	B-M-2	B21-F013J Body	VALVE BODIES	VISUAL	A-7		0.000	
B12.50	B-M-2	B21-F013K Body	VALVE BODIES	VISUAL	A-5		0.000	
B12.50	B-M-2	B21-F013L Body	VALVE BODIES	VISUAL	A-6		0.000	
B12.50	B-M-2	B21-F022A Body	VALVE BODIES	VISUAL	A-4A		0.000	
B12.50	B-M-2	B21-F022B Body	VALVE BODIES	VISUAL	A-5A		0.000	
B12.50	B-M-2	B21-F022C Body	VALVE BODIES	VISUAL	A-6A		0.000	
B12.50	B-M-2	B21-F022D Body	VALVE BODIES	VISUAL	A-7A		0.000	
B12.50	B-M-2	B21-F028A Body	VALVE BODIES	VISUAL	A-4A		0.000	
B12.50	B-M-2	B21-F028B Body	VALVE BODIES	VISUAL	A-5A		0.000	
B12.50	B-M-2	B21-F028C Body	VALVE BODIES	VISUAL	A-6A		0.000	
B12.50	B-M-2	B21-F028D Body	VALVE BODIES	VISUAL	A-7A		0.000	
B12.50	B-M-2	B21-F032A Body	VALVE BODIES	VISUAL	A-8		0.000	
B12.50	B-M-2	B21-F032B Body	VALVE BODIES	VISUAL	A-9		0.000	
B5.10	B-F	1B31-1RC-4JP-A-1	N8A NOZZLE TO SAFE-END MSIP 1993 RO	VOLUMETRIC	A-39	120-H	0.625	5.437" ASME SA-508 Cl. 2
B5.10	B-F	1B31-1RC-4JP-A-1	N8A NOZZLE TO SAFE-END MSIP 1993 RO	SURFACE	A-39		0.625	5.437" ASME SA-508 Cl. 2
B5.10	B-F	1B31-1RC-4JP-A-1	N8A NOZZLE TO SAFE-END MSIP 1993 RO	VOL-AUG	A-39		0.625	5.437" ASME SA-508 Cl. 2
B5.10	B-F	1B31-1RC-4JP-B-1	N8B NOZZLE TO SAFE-END MSIP 1993 RO	VOLUMETRIC	A-39	120-H	0.625	5.437" ASME SA-508 Cl. 2

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B5.10	B-F	1B31-1RC-4JP-B-1	N8B NOZZLE TO SAFE-END MSIP 1993 RO	SURFACE	A-39		0.625	5.437" ASME SA-508 Cl. 2
B5.10	B-F	1B31-1RC-4JP-B-1	N8B NOZZLE TO SAFE-END MSIP 1993 RO	VOL-AUG	A-39		0.625	5.437" ASME SA-508 Cl. 2
B5.10	B-F	1B31-1RC-12AR-F-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOLUMETRIC	A-18	85-H	1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-F-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	SURFACE	A-18		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-F-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOL-AUG	A-18		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-G-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOLUMETRIC	A-18	85-H	1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-G-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	SURFACE	A-18		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-G-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOL-AUG	A-18		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-H-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOLUMETRIC	A-18	85-H	1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-H-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	SURFACE	A-18		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-H-5	SAFE-END TO NOZZLE IHSI	VOL-AUG	A-18		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			1985/1986 RO					
B5.10	B-F	1B31-1RC-12AR-H-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOL-AUG	A-18		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-J-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOLUMETRIC	A-18	85-H	1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-J-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	SURFACE	A-18		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-J-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOL-AUG	A-18		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-K-5	SAFE-END TO NOZZLE IHSI 1985/1986	VOLUMETRIC	A-18	85-H	1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-K-5	SAFE-END TO NOZZLE IHSI 1985/1986	SURFACE	A-18		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12AR-K-5	SAFE-END TO NOZZLE IHSI 1985/1986	VOL-AUG	A-18		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12BR-A-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOLUMETRIC	A-19	85-H	1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12BR-A-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	SURFACE	A-19		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12BR-A-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOL-AUG	A-19		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12BR-B-5	SAFE-END TO	VOLUMETRIC	A-19	85-H	1.200	12.000" SA-182, F-304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			NOZZLE IHSI 1985/1986 RO					(1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12BR-B-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	SURFACE	A-19		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12BR-B-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOL-AUG	A-19		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12BR-C-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOL-AUG	A-19	144-H	1.180	12.000" ASTM-A182 F304 / SA 508 CL2 / INCONEL 82
B5.10	B-F	1B31-1RC-12BR-D-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOLUMETRIC	A-19	85-H	1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12BR-D-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	SURFACE	A-19		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12BR-D-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOL-AUG	A-19		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B5.10	B-F	1B31-1RC-12BR-E-5	SAFE-END TO NOZZLE IHSI 1985/1986 RO	VOL-AUG	A-19	144-H	1.180	12.000" ASTM-A182 F304 / SA 508 CL2 / INCONEL 82
B5.10	B-F	1B31-1RC-28A-1	NOZZLE TO SAFE-END IHSI 1985/1986 RO	VOLUMETRIC	A-14	84-H	1.800	28.000" SA-182, F-304 (1.80" Nom. Wall)
B5.10	B-F	1B31-1RC-28A-1	NOZZLE TO SAFE-END IHSI 1985/1986 RO	SURFACE	A-14		1.800	28.000" SA-182, F-304 (1.80" Nom. Wall)
B5.10	B-F	1B31-1RC-28A-1	NOZZLE TO SAFE-END IHSI 1985/1986 RO	VOL-AUG	A-14		1.800	28.000" SA-182, F-304 (1.80" Nom. Wall)

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B5.10	B-F	1B31-1RC-28B-1	NOZZLE TO SAFE-END IHSI 1985/1986 RO	VOLUMETRIC	A-15	84-H	1.800	28.000" SA-182, F-304 (1.80" Nom. Wall)
B5.10	B-F	1B31-1RC-28B-1	NOZZLE TO SAFE-END IHSI 1985/1986 RO	SURFACE	A-15		1.800	28.000" SA-182, F-304 (1.80" Nom. Wall)
B5.10	B-F	1B31-1RC-28B-1	NOZZLE TO SAFE-END IHSI 1985/1986 RO	VOL-AUG	A-15		1.800	28.000" SA-182, F-304 (1.80" Nom. Wall)
B6.180	B-G-1	1B31\RC-A PUMP BOLT-1	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-2	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-3	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-4	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-5	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-6	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-7	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-8	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-9	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-10	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-11	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B6.180	B-G-1	1B31\RC-A PUMP BOLT-12	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-13	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-14	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-15	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-A PUMP BOLT-16	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-1	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-2	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-3	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-4	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-5	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-6	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-7	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-8	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-9	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-10	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
		BOLT-11						
B6.180	B-G-1	1B31\RC-B PUMP BOLT-12	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-13	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-14	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-15	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.180	B-G-1	1B31\RC-B PUMP BOLT-16	PUMP BOLTING	VOLUMETRIC	-	149-H	2.560	STUD SA-540, Gr B23, C14
B6.190	B-G-1	1B31\RC-A PUMP-FLANGE	AND THREADS IN FLANGE SURFACE AND THREADS IN FLANGE	VISUAL	-		0.000	
B6.190	B-G-1	1B31\RC-B PUMP-FLANGE	AND THREADS IN FLANGE SURFACE AND THREADS IN FLANGE	VISUAL	-		0.000	
B6.200	B-G-1	1B31\RC-A PUMP-NUTS AND		VISUAL	-		0.000	
B6.200	B-G-1	1B31\RC-B PUMP-NUTS AND		VISUAL	-		0.000	
B7.50	B-G-2	1B31-1RC-6A-1FB	FLANGE BOLTING	VISUAL	A-14		0.000	
B7.50	B-G-2	1B31-1RC-6B-1FB	FLANGE BOLTING	VISUAL	A-15		0.000	
B7.70	B-G-2	B31-F023A Bolting	VALVE BOLTING	VISUAL	A-14		0.000	
B7.70	B-G-2	B31-F023B Bolting	VALVE BOLTING	VISUAL	A-15		0.000	
B7.70	B-G-2	B31-F031A Bolting	VALVE BOLTING	VISUAL	A-14B		0.000	
B7.70	B-G-2	B31-F031B Bolting	VALVE BOLTING	VISUAL	A-15B		0.000	
B9.11	B-J	1B31-1RC-4A-1A	BC TO CAP IHSI	VOLUMETRIC	A-14B	80-H	0.337	04.000" Sch. 80 SA-376,

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			1985/1986 RO					Tp.304
B9.11	B-J	1B31-1RC-4A-1A	BC TO CAP IHSI 1985/1986 RO	SURFACE	A-14B		0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4A-1A	BC TO CAP IHSI 1985/1986 RO	VOL-AUG	A-14B		0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4A-10A	BC TO CAP IHSI 1985/1986 RO	VOLUMETRIC	A-14B	80-H	0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4A-10A	BC TO CAP IHSI 1985/1986 RO	SURFACE	A-14B		0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4A-10A	BC TO CAP IHSI 1985/1986 RO	VOL-AUG	A-14B		0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4B-1A	BC TO CAP IHSI 1985/1986 RO	VOLUMETRIC	A-15B	80-H	0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4B-1A	BC TO CAP IHSI 1985/1986 RO	SURFACE	A-15B		0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4B-1A	BC TO CAP IHSI 1985/1986 RO	VOL-AUG	A-15B		0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4B-10A	BC TO CAP IHSI 1985/1986 RO	VOLUMETRIC	A-15B	80-H	0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4B-10A	BC TO CAP IHSI 1985/1986 RO	SURFACE	A-15B		0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4B-10A	BC TO CAP IHSI 1985/1986 RO	VOL-AUG	A-15B		0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4JP-A-2	SAFE-END TO PENETRATION SEAL MSIP 1993 RO	VOLUMETRIC	A-39	80-H	0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4JP-A-2	SAFE-END TO PENETRATION SEAL MSIP 1993 RO	SURFACE	A-39		0.337	04.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1B31-1RC-4JP-A-2	SAFE-END TO PENETRATION SEAL	VOL-AUG	A-39		0.337	04.000" Sch. 80 SA-376, Tp.304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			MSIP 1993 RO					
B9.11	B-J	1B31-1RC-4JP-B-2	SAFE-END TO PENETRATION SEAL	VOLUMETRIC	A-39	80-H	0.337	04.000" Sch. 80 SA-376, Tp.304
			MSIP 1993 RO					
B9.11	B-J	1B31-1RC-4JP-B-2	SAFE-END TO PENETRATION SEAL	SURFACE	A-39		0.337	04.000" Sch. 80 SA-376, Tp.304
			MSIP 1993 RO					
B9.11	B-J	1B31-1RC-4JP-B-2	SAFE-END TO PENETRATION SEAL	VOL-AUG	A-39		0.337	04.000" Sch. 80 SA-376, Tp.304
			MSIP 1993 RO					
B9.11	B-J	1B31-1RC-12AR-F-1	B-C TO PIPE IHSI	VOLUMETRIC	A-18	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-12AR-F-1	B-C TO PIPE IHSI	SURFACE	A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-12AR-F-1	B-C TO PIPE IHSI	VOL-AUG	A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-12AR-F-2	PIPE TO ELBOW 84 OVERLAY/86	VOL-AUG	A-18	134-H	0.000	PL-SS-Clad Overlay Block
			RESURF					
B9.11	B-J	1B31-1RC-12AR-F-3	ELBOW TO PIPE 84 OVERLAY/86	VOL-AUG	A-18	134-H	0.000	PL-SS-Clad Overlay Block
			RESURF					
B9.11	B-J	1B31-1RC-12AR-F-4	PIPE TO SAFE-END 1986 OVERLAY	VOL-AUG	A-18	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12AR-G-1	B-C TO PIPE IHSI	VOLUMETRIC	A-18	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-12AR-G-1	B-C TO PIPE IHSI	SURFACE	A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-12AR-G-1	B-C TO PIPE IHSI	VOL-AUG	A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-12AR-G-2	PIPE TO ELBOW	VOLUMETRIC	A-18	17-H	0.562	12.000" Sch. 60 SA-312,

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			IHSI 1985/1986 RO					Tp.304
B9.11	B-J	1B31-1RC-12AR-G-2	PIPE TO ELBOW IHSI 1985/1986 RO	SURFACE	A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-G-2	PIPE TO ELBOW IHSI 1985/1986 RO	VOL-AUG	A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-G-3	ELBOW TO PIPE 1986 OVERLAY	VOL-AUG	A-18	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12AR-G-4	PIPE TO SAFE-END IHSI 1985/1986 RO OVERLAY	VOL-AUG	A-18	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12AR-H-1	REDUCER TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-18	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-H-1	REDUCER TO PIPE IHSI 1985/1986 RO	SURFACE	A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-H-1	REDUCER TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-H-2	PIPE TO ELBOW 84 OVERLAY/86 RESURF	VOL-AUG	A-18	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12AR-H-3	ELBOW TO PIPE 84 OVERLAY/86 RESURF	VOL-AUG	A-18	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12AR-H-4	PIPE TO SAFE-END 1986 OVERLAY	VOL-AUG	A-18	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12AR-J-1	B-C TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-18	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1B31-1RC-12AR-J-1	B-C TO PIPE	IHSI SURFACE	A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-12AR-J-1	B-C TO PIPE	IHSI VOL-AUG	A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-12AR-J-2	PIPE TO ELBOW	IHSI 1985/1986 RO	VOLUMETRIC A-18	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-J-2	PIPE TO ELBOW	IHSI 1985/1986 RO	SURFACE A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-J-2	PIPE TO ELBOW	IHSI 1985/1986 RO	VOL-AUG A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-J-3	ELBOW TO PIPE 84 OVERLAY/86 RESURF	VOL-AUG A-18	134-H		0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12AR-J-4	PIPE TO SAFE-END	IHSI 1985/1986 RO	VOLUMETRIC A-18	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-J-4	PIPE TO SAFE-END	IHSI 1985/1986 RO	SURFACE A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-J-4	PIPE TO SAFE-END	IHSI 1985/1986 RO	VOL-AUG A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-K-1	B-C TO PIPE	IHSI 1985/1986 RO	VOLUMETRIC A-18	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-K-1	B-C TO PIPE	IHSI 1985/1986 RO	SURFACE A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-K-1	B-C TO PIPE	IHSI 1985/1986 RO	VOL-AUG A-18		0.562	12.000" Sch. 60 SA-312, Tp.304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1B31-1RC-12AR-K-2	PIPE TO ELBOW 84 OVERLAY/86 RESURF	VOL-AUG	A-18	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12AR-K-3	ELBOW TO PIPE 84 OVERLAY/86 RESURF	VOL-AUG	A-18	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12AR-K-4	PIPE TO SAFE-END IHSI 1985/1986 RO	VOLUMETRIC	A-18	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-K-4	PIPE TO SAFE-END IHSI 1985/1986 RO	SURFACE	A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12AR-K-4	PIPE TO SAFE-END IHSI 1985/1986 RO	VOL-AUG	A-18		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-A-1	B-C TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-19	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-A-1	B-C TO PIPE IHSI 1985/1986 RO	SURFACE	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-A-1	B-C TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-A-2	PIPE TO ELBOW IHSI 1985/1986 RO	VOLUMETRIC	A-19	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-A-2	PIPE TO ELBOW IHSI 1985/1986 RO	SURFACE	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-A-2	PIPE TO ELBOW IHSI 1985/1986 RO	VOL-AUG	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-A-3	ELBOW TO PIPE IHSI 1985/1986	VOLUMETRIC	A-19	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			RO					
B9.11	B-J	1B31-1RC-12BR-A-3	ELBOW TO PIPE IHSI 1985/1986 RO	SURFACE	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-A-3	ELBOW TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-A-4	PIPE TO SAFE-END IHSI 1985/1986 RO OVERLAY	VOL-AUG	A-19	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12BR-B-1	B-C TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-19	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-B-1	B-C TO PIPE IHSI 1985/1986 RO	SURFACE	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-B-1	B-C TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-B-2	PIPE TO ELBOW IHSI 1985/1986 RO	VOLUMETRIC	A-19	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-B-2	PIPE TO ELBOW IHSI 1985/1986 RO	SURFACE	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-B-2	PIPE TO ELBOW IHSI 1985/1986 RO	VOL-AUG	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-B-3	ELBOW TO PIPE 1986 OVERLAY	VOL-AUG	A-19	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12BR-B-4	PIPE TO SAFE-END IHSI 1985/1986 RO	VOLUMETRIC	A-19	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-B-4	PIPE TO SAFE-END	SURFACE	A-19		0.562	12.000" Sch. 60 SA-312,

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			IHSI 1985/1986 RO					Tp.304
B9.11	B-J	1B31-1RC-12BR-B-4	PIPE TO SAFE-END IHSI 1985/1986 RO	VOL-AUG	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-C-1	REDUCER TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-19	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-C-1	REDUCER TO PIPE IHSI 1985/1986 RO	SURFACE	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-C-1	REDUCER TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-C-2	PIPE TO ELBOW 84 OVERLAY/86 RESURF	VOL-AUG	A-19	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12BR-C-3	ELBOW TO PIPE 84 OVERLAY/86 RESURF	VOL-AUG	A-19	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12BR-C-4	PIPE TO SAFE-END 1986 OVERLAY	VOL-AUG	A-19	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12BR-D-1	B-C TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-19	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-D-1	B-C TO PIPE IHSI 1985/1986 RO	SURFACE	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-D-1	B-C TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-D-2	PIPE TO ELBOW 1986 OVERLAY	VOL-AUG	A-19	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12BR-D-3	ELBOW TO PIPE 84	VOL-AUG	A-19	134-H	0.000	PL-SS-Clad Overlay Block

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			OVERLAY/86 RESURF					
B9.11	B-J	1B31-1RC-12BR-D-4	PIPE TO SAFE-END IHSI 1985/1986 RO	VOLUMETRIC	A-19	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-D-4	PIPE TO SAFE-END IHSI 1985/1986 RO	SURFACE	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-D-4	PIPE TO SAFE-END IHSI 1985/1986 RO	VOL-AUG	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-E-1	B-C TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-19	17-H	0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-E-1	B-C TO PIPE IHSI 1985/1986 RO	SURFACE	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-E-1	B-C TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-19		0.562	12.000" Sch. 60 SA-312, Tp.304
B9.11	B-J	1B31-1RC-12BR-E-2	PIPE TO ELBOW 84 OVERLAY/86 RESURF	VOL-AUG	A-19	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12BR-E-3	ELBOW TO PIPE 84 OVERLAY/86 RESURF	VOL-AUG	A-19	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-12BR-E-4	PIPE TO SAFE-END IHSI 1985/1986 RO OVERLAY	VOL-AUG	A-19	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-22AM-1	CAP TO PIPE 82 OVERLAY/86 RESURF	VOL-AUG	A-16	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-22AM-2	PIPE TO CROSS IHSI 1985/1986 RO	VOLUMETRIC	A-16	47-H	1.125	22.000" Sch. 80 SA-358, Tp.304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1B31-1RC-22AM-2	PIPE TO CROSS IHSI 1985/1986 RO	SURFACE	A-16		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.11	B-J	1B31-1RC-22AM-2	PIPE TO CROSS IHSI 1985/1986 RO	VOL-AUG	A-16		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.11	B-J	1B31-1RC-22AM-3	CROSS TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-16	47-H	1.125	22.000" Sch. 80 SA-358, Tp.304
B9.11	B-J	1B31-1RC-22AM-3	CROSS TO PIPE IHSI 1985/1986 RO	SURFACE	A-16		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.11	B-J	1B31-1RC-22AM-3	CROSS TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-16		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.11	B-J	1B31-1RC-22AM-4	PIPE TO CAP 82 OVERLAY/86 RESURF	VOL-AUG	A-16	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-22BM-1	CAP TO PIPE 82 OVERLAY/86 RESURF	VOL-AUG	A-17	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-22BM-2	PIPE TO CROSS IHSI 1985/1986 RO	VOLUMETRIC	A-17	47-H	1.125	22.000" Sch. 80 SA-358, Tp.304
B9.11	B-J	1B31-1RC-22BM-2	PIPE TO CROSS IHSI 1985/1986 RO	SURFACE	A-17		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.11	B-J	1B31-1RC-22BM-2	PIPE TO CROSS IHSI 1985/1986 RO	VOL-AUG	A-17		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.11	B-J	1B31-1RC-22BM-3	CROSS TO PIPE IHSI 1985/1986	VOLUMETRIC	A-17	47-H	1.125	22.000" Sch. 80 SA-358, Tp.304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			RO					
B9.11	B-J	1B31-1RC-22BM-3	CROSS TO PIPE IHSI 1985/1986 RO	SURFACE	A-17		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.11	B-J	1B31-1RC-22BM-3	CROSS TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-17		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.11	B-J	1B31-1RC-22BM-4	PIPE TO CAP 82 OVERLAY/86 RESURF	VOL-AUG	A-17	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J*	1B31-1RC-28A-2	SAFE-END TO PIPE OVERLAY	VOL-AUG	A-14	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28A-3	PIPE TO ELBOW IHSI 1985/1986 RO	VOLUMETRIC	A-14	151-H	1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-3	PIPE TO ELBOW IHSI 1985/1986 RO	SURFACE	A-14		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-3	PIPE TO ELBOW IHSI 1985/1986 RO	VOL-AUG	A-14		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-4	ELBOW TO PIPE OVERLAY	VOL-AUG	A-14	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28A-5	PIPE TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-14	151-H	1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-5	PIPE TO PIPE IHSI 1985/1986 RO	SURFACE	A-14		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-5	PIPE TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-14		1.280	28.000" SA-358, Tp 304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1B31-1RC-28A-5A	PIPE TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-14	151-H	1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-5A	PIPE TO PIPE IHSI 1985/1986 RO	SURFACE	A-14		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-5A	PIPE TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-14		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-6	PIPE TO ELBOW OVERLAY	VOL-AUG	A-14	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28A-7	ELBOW TO VALVE IHSI 1985/1986 RO OVERLAY	VOL-AUG	A-14	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28A-8	VALVE TO PIPE IHSI 1985/1986 RO OVERLAY	VOL-AUG	A-14	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28A-9	PIPE TO ELBOW IHSI 1985/1986 RO	VOLUMETRIC	A-14	151-H	1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-9	PIPE TO ELBOW IHSI 1985/1986 RO	SURFACE	A-14		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-9	PIPE TO ELBOW IHSI 1985/1986 RO	VOL-AUG	A-14		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-10	ELBOW TO PUMP 84 OVERLAY/86 RESURF	VOL-AUG	A-14	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28A-11	PUMP TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-14B	151-H	1.280	28.000" SA-358, Tp 304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1B31-1RC-28A-11	PUMP TO PIPE IHSI 1985/1986 RO	SURFACE	A-14B		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-11	PUMP TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-14B		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-12	PIPE TO VALVE 1986 OVERLAY	VOL-AUG	A-14B	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28A-13	VALVE TO ELBOW IHSI 1985/1986 RO	VOLUMETRIC	A-14B	151-H	1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-13	VALVE TO ELBOW IHSI 1985/1986 RO	SURFACE	A-14B		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-13	VALVE TO ELBOW IHSI 1985/1986 RO	VOL-AUG	A-14B		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-14	ELBOW TO PIPE IHSI 1985/1986 RO OVERLAY	VOL-AUG	A-14B	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28A-15	PIPE TO TEE IHSI 1985/1986 RO	VOLUMETRIC	A-14B	151-H	1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-15	PIPE TO TEE IHSI 1985/1986 RO	SURFACE	A-14B		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-15	PIPE TO TEE IHSI 1985/1986 RO	VOL-AUG	A-14B		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28A-16	TEE TO CROSS IHSI 1985/1986 RO	VOLUMETRIC	A-14B	92-H	2.300	28.000" SA-358, Gr.304 (2.30" Nom. Wall)
B9.11	B-J	1B31-1RC-28A-16	TEE TO CROSS IHSI 1985/1986 RO	SURFACE	A-14B		2.300	28.000" SA-358, Gr.304 (2.30" Nom. Wall)

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1B31-1RC-28A-16	TEE TO CROSS IHSI 1985/1986 RO	VOL-AUG	A-14B		2.300	28.000" SA-358, Gr.304 (2.30" Nom. Wall)
B9.11	B-J	1B31-1RC-28A-17	CROSS TO REDUCER IHSI 1985/1986 RO	VOLUMETRIC	A-14B	92-H	2.300	28.000" SA-358, Gr.304 (2.30" Nom. Wall)
B9.11	B-J	1B31-1RC-28A-17	CROSS TO REDUCER IHSI 1985/1986 RO	SURFACE	A-14B		2.300	28.000" SA-358, Gr.304 (2.30" Nom. Wall)
B9.11	B-J	1B31-1RC-28A-17	CROSS TO REDUCER IHSI 1985/1986 RO	VOL-AUG	A-14B		2.300	28.000" SA-358, Gr.304 (2.30" Nom. Wall)
B9.11	B-J	1B31-1RC-28B-2	SAFE-END TO PIPE IHSI 1985/1986 RO OVERLAY	VOL-AUG	A-15	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28B-3	PIPE TO ELBOW 84 OVERLAY/86 RESURF	VOL-AUG	A-15	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28B-4	ELBOW TO PIPE 84 OVERLAY/86 RESURF	VOL-AUG	A-15	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28B-5	PIPE TO TEE IHSI 1985/1986 RO	VOLUMETRIC	A-15	151-H	1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28B-5	PIPE TO TEE IHSI 1985/1986 RO	SURFACE	A-15		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28B-5	PIPE TO TEE IHSI 1985/1986 RO	VOL-AUG	A-15		1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28B-6	TEE TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-15	151-H	1.280	28.000" SA-358, Tp 304
B9.11	B-J	1B31-1RC-28B-6	TEE TO PIPE IHSI 1985/1986 RO	SURFACE	A-15		1.280	28.000" SA-358, Tp 304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1B31-1RC-28B-6	TEE TO PIPE	IHSI VOL-AUG	A-15		1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-28B-7	PIPE TO ELBOW	IHSI VOLUMETRIC	A-15	151-H	1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-28B-7	PIPE TO ELBOW	IHSI SURFACE	A-15		1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-28B-7	PIPE TO ELBOW	IHSI VOL-AUG	A-15		1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-28B-8	ELBOW TO VALVE	IHSI VOL-AUG	A-15	134-H	0.000	PL-SS-Clad Overlay Block
			OVERLAY					
B9.11	B-J	1B31-1RC-28B-9	VALVE TO PIPE	IHSI VOL-AUG	A-15	134-H	0.000	PL-SS-Clad Overlay Block
			1985/1986 RO OVERLAY					
B9.11	B-J	1B31-1RC-28B-10	PIPE TO ELBOW	IHSI VOL-AUG	A-15	134-H	0.000	PL-SS-Clad Overlay Block
			1985/1986 RO OVERLAY					
B9.11	B-J	1B31-1RC-28B-11	ELBOW TO PUMP	84 VOL-AUG	A-15	134-H	0.000	PL-SS-Clad Overlay Block
			OVERLAY/86 RESURF					
B9.11	B-J	1B31-1RC-28B-12	PUMP TO PIPE	IHSI VOLUMETRIC	A-15B	151-H	1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-28B-12	PUMP TO PIPE	IHSI SURFACE	A-15B		1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-28B-12	PUMP TO PIPE	IHSI VOL-AUG	A-15B		1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.11	B-J	1B31-1RC-28B-13	PIPE TO VALVE	IHSI VOL-AUG	A-15B	134-H	0.000	PL-SS-Clad Overlay Block

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			IHSI 1985/1986 RO OVERLAY					
B9.11	B-J	1B31-1RC-28B-14	VALVE TO ELBOW IHSI 1985/1986 RO OVERLAY	VOL-AUG	A-15B	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28B-15	ELBOW TO PIPE IHSI 1985/1986 RO OVERLAY	VOL-AUG	A-15B	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28B-16	PIPE TO TEE 1986 OVERLAY	VOL-AUG	A-15B	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1B31-1RC-28B-17	TEE TO CROSS IHSI 1985/1986 RO	VOLUMETRIC	A-15B	92-H	2.300	28.000" SA-358, Gr.304 (2.30" Nom. Wall)
B9.11	B-J	1B31-1RC-28B-17	TEE TO CROSS IHSI 1985/1986 RO	SURFACE	A-15B		2.300	28.000" SA-358, Gr.304 (2.30" Nom. Wall)
B9.11	B-J	1B31-1RC-28B-17	TEE TO CROSS IHSI 1985/1986 RO	VOL-AUG	A-15B		2.300	28.000" SA-358, Gr.304 (2.30" Nom. Wall)
B9.11	B-J	1B31-1RC-28B-18	CROSS TO REDUCER IHSI 1985/1986 RO	VOLUMETRIC	A-15B	92-H	2.300	28.000" SA-358, Gr.304 (2.30" Nom. Wall)
B9.11	B-J	1B31-1RC-28B-18	CROSS TO REDUCER IHSI 1985/1986 RO	SURFACE	A-15B		2.300	28.000" SA-358, Gr.304 (2.30" Nom. Wall)
B9.11	B-J	1B31-1RC-28B-18	CROSS TO REDUCER IHSI 1985/1986 RO	VOL-AUG	A-15B		2.300	28.000" SA-358, Gr.304 (2.30" Nom. Wall)
B9.31	B-J	1B31-1RC-22AM-1BC-1	PIPE TC B-C IHSI 1985/1986 RO	VOLUMETRIC	A-16	47-H	1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22AM-1BC-1	PIPE TO B-C IHSI 1985/1986 RO	SURFACE	A-16		1.125	22.000" Sch. 80 SA-358, Tp.304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.31	B-J	1B31-1RC-22AM-1BC-1	PIPE TO B-C IHSI 1985/1986 RO	VOL-AUG	A-16		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22AM-1BC-2	PIPE TO B-C IHSI 1985/1986 RO	VOLUMETRIC	A-16	47-H	1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22AM-1BC-2	PIPE TO B-C IHSI 1985/1986 RO	SURFACE	A-16		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22AM-1BC-2	PIPE TO B-C IHSI 1985/1986 RO	VOL-AUG	A-16		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22AM-3BC-1	PIPE TO B-C IHSI 1985/1986 RO	VOLUMETRIC	A-16	47-H	1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22AM-3BC-1	PIPE TO B-C IHSI 1985/1986 RO	SURFACE	A-16		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22AM-3BC-1	PIPE TO B-C IHSI 1985/1986 RO	VOL-AUG	A-16		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22AM-3BC-2	PIPE TO B-C IHSI 1985/1986 RO	VOLUMETRIC	A-16	47-H	1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22AM-3BC-2	PIPE TO B-C IHSI 1985/1986 RO	SURFACE	A-16		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22AM-3BC-2	PIPE TO B-C IHSI 1985/1986 RO	VOL-AUG	A-16		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22BM-1BC-1	PIPE TO B-C IHSI 1985/1986 RO	VOLUMETRIC	A-17	47-H	1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22BM-1BC-1	PIPE TO B-C IHSI 1985/1986 RO	SURFACE	A-17		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22BM-1BC-1	PIPE TO B-C IHSI 1985/1986 RO	VOL-AUG	A-17		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22BM-1BC-2	PIPE TO B-C IHSI 1985/1986 RO	VOLUMETRIC	A-17	47-H	1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22BM-1BC-2	PIPE TO B-C IHSI 1985/1986 RO	SURFACE	A-17		1.125	22.000" Sch. 80 SA-358, Tp.304
B9.31	B-J	1B31-1RC-22BM-1BC-2	PIPE TO B-C IHSI 1985/1986 RO	VOL-AUG	A-17		1.125	22.000" Sch. 80 SA-358, Tp.304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			1985/1986 RO					Tp.304
B9.31	B-J	1B31-1RC-22BM-3BC-1	PIPE TO B-C IHSI	VOLUMETRIC	A-17	47-H	1.125	22.000" Sch. 80 SA-358, Tp.304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-22BM-3BC-1	PIPE TO B-C IHSI	SURFACE	A-17		1.125	22.000" Sch. 80 SA-358, Tp.304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-22BM-3BC-1	PIPE TO B-C IHSI	VOL-AUG	A-17		1.125	22.000" Sch. 80 SA-358, Tp.304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-22BM-3BC-2	PIPE TO B-C IHSI	VOLUMETRIC	A-17	47-H	1.125	22.000" Sch. 80 SA-358, Tp.304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-22BM-3BC-2	PIPE TO B-C IHSI	SURFACE	A-17		1.125	22.000" Sch. 80 SA-358, Tp.304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-22BM-3BC-2	PIPE TO B-C IHSI	VOL-AUG	A-17		1.125	22.000" Sch. 80 SA-358, Tp.304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-28A-11BC	PIPE TO BC IHSI	VOLUMETRIC	A-14B	151-H	1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-28A-11BC	PIPE TO BC IHSI	SURFACE	A-14B		1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-28A-11BC	PIPE TO BC IHSI	VOL-AUG	A-14B		1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-28A-14BC	PIPE TO BC IHSI	VOLUMETRIC	A-14B	151-H	1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-28A-14BC	PIPE TO BC IHSI	SURFACE	A-14B		1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-28A-14BC	PIPE TO BC IHSI	VOL-AUG	A-14B		1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-28B-12BC	PIPE TO BC IHSI	VOLUMETRIC	A-15B	151-H	1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-28B-12BC	PIPE TO BC IHSI	SURFACE	A-15B		1.280	28.000" SA-358, Tp 304
			1985/1986 RO					
B9.31	B-J	1B31-1RC-28B-12BC	PIPE TO BC IHSI	VOL-AUG	A-15B		1.280	28.000" SA-358, Tp 304
			1985/1986 RO					

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ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.31	B-J	1B31-1RC-28B-15BC	PIPE TO BC IHSI 1985/1986 RO	VOLUMETRIC	A-15B	151-H	1.280	28.000" SA-358, Tp 304
B9.31	B-J	1B31-1RC-28B-15BC	PIPE TO BC IHSI 1985/1986 RO	SURFACE	A-15B		1.280	28.000" SA-358, Tp 304
B9.31	B-J	1B31-1RC-28B-15BC	PIPE TO BC IHSI 1985/1986 RO	VOL-AUG	A-15B		1.280	28.000" SA-358, Tp 304
B10.10	B-K-1	1B31-1RC-22AM-1HL-B-1	DEVICE B31-HA4	SURFACE	A-16		0.000	
B10.10	B-K-1	1B31-1RC-28A-15RL-1	DEVICE B31-SSA13	SURFACE	A-14B		0.000	
B10.10	B-K-1	1B31-1RC-28B-15HL-1	DEVICE B31-HB2	SURFACE	A-15B		0.000	
B10.20	B-K-1	1B31\RC-A PUMP LUG-1	RESTRAINT LUG	SURFACE	A-20		0.000	
B10.20	B-K-1	1B31\RC-B PUMP LUG-1	RESTRAINT LUG	SURFACE	A-20		0.000	
B12.20	B-L-2	1B31\RC-A PUMP CASING		VISUAL	A-20		0.000	
B12.20	B-L-2	1B31\RC-B PUMP CASING		VISUAL	A-20		0.000	
B12.50	B-M-2	B31-F023A Body	VALVE BODIES	VISUAL	A-14		0.000	
B12.50	B-M-2	B31-F023B Body	VALVE BODIES	VISUAL	A-15		0.000	
B12.50	B-M-2	B31-F031A Body	VALVE BODIES	VISUAL	A-14B		0.000	
B12.50	B-M-2	B31-F031B Body	VALVE BODIES	VISUAL	A-15B		0.000	
B5.10	B-F	1C11-1CRD-3-R-18A	CAP TO NOZZLE MSIP 1993 RO	VOLUMETRIC	A-1	97-H	0.750	05.400" SB-166, Alloy 600 (0.750" Nom. W)
B5.10	B-F	1C11-1CRD-3-R-18A	CAP TO NOZZLE MSIP 1993 RO	SURFACE	A-1		0.750	05.400" SB-166, Alloy 600 (0.750" Nom. W)
B5.10	B-F	1C11-1CRD-3-R-18A	CAP TO NOZZLE MSIP 1993 RO	VOL-AUG	A-1		0.750	05.400" SB-166, Alloy 600 (0.750" Nom. W)
B7.50	B-G-2	1E11-1RHR-9A-HS-1FB	FLANGE BOLTING N6A	SURFACE	A-25 1-BF-6		0.000	
B7.50	B-G-2	1E11-1RHR-9B-HS-1FB	FLANGE BOLTING N6B	SURFACE	A-25 1-BF-6		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B7.70	B-G-2	E11-F008 Bolting	VALVE BOLTING	VISUAL	A-23		0.000	
B7.70	B-G-2	E11-F009 Bolting	VALVE BOLTING	VISUAL	A-23		0.000	
B7.70	B-G-2	E11-F015A Bolting	VALVE BOLTING	VISUAL	A-21		0.000	
B7.70	B-G-2	E11-F015B Bolting	VALVE BOLTING	VISUAL	A-22		0.000	
B7.70	B-G-2	E11-F050A Bolting	VALVE BOLTING	VISUAL	A-21		0.000	
B7.70	B-G-2	E11-F050B Bolting	VALVE BOLTING	VISUAL	A-22		0.000	
B7.70	B-G-2	E11-F060A Bolting	VALVE BOLTING	VISUAL	A-21		0.000	
B7.70	B-G-2	E11-F060B Bolting	VALVE BOLTING	VISUAL	A-22		0.000	
B7.70	B-G-2	E11-F067 Bolting	VALVE BOLTING	VISUAL	A-23		0.000	
B9.11	B-J	1E11-1RHR-20B-D-1	TEE TO PIPE IHSI 1985/1986 RO	VOLUMETRIC	A-23	130-H	0.879	20.000" SA-358, TP316NG
B9.11	B-J	1E11-1RHR-20B-D-1	TEE TO PIPE IHSI 1985/1986 RO	SURFACE	A-23		0.879	20.000" SA-358, TP316NG
B9.11	B-J	1E11-1RHR-20B-D-1	TEE TO PIPE IHSI 1985/1986 RO	VOL-AUG	A-23		0.879	20.000" SA-358, TP316NG
B9.11	B-J	1E11-1RHR-20B-D-2	PIPE TO ELBOW IHSI 1985/1986 RO	VOLUMETRIC	A-23	130-H	0.879	20.000" SA-358, TP316NG
B9.11	B-J	1E11-1RHR-20B-D-2	PIPE TO ELBOW IHSI 1985/1986 RO	SURFACE	A-23		0.879	20.000" SA-358, TP316NG
B9.11	B-J	1E11-1RHR-20B-D-2	PIPE TO ELBOW IHSI 1985/1986 RO	VOL-AUG	A-23		0.879	20.000" SA-358, TP316NG
B9.11	B-J	1E11-1RHR-20B-D-3	ELBOW TO PIPE 82 OVERLAY/86 RESURF	VOL-AUG	A-23	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1E11-1RHR-20B-D-4	PIPE TO PIPE IHSI 1985/1986 RO OVERLAY	VOL-AUG	A-23	134-H	0.000	PL-SS-Clad Overlay Block

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1E11-1RHR-20B-D-5	PIPE TO VALVE IHSI 1985/1986 RO OVERLAY'	VOL-AUG	A-23	135-H	0.000	Sch. 100 SS/CS-Inconel Overlay
B9.11	B-J	1E11-1RHR-20B-D-6	VALVE TO ELBOW	VOLUMETRIC	A-23	14-H	1.031	20.000" Sch. 80 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-20B-D-6	VALVE TO ELBOW	SURFACE	A-23		1.031	20.000" Sch. 80 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-20B-D-8	PIPE TO ELBOW	VOLUMETRIC	A-23	14-H	1.031	20.000" Sch. 80 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-20B-D-8	PIPE TO ELBOW	SURFACE	A-23		1.031	20.000" Sch. 80 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-20B-D-11	PIPE TO VALVE	VOLUMETRIC	A-23	14-H	1.031	20.000" Sch. 80 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-20B-D-11	PIPE TO VALVE	SURFACE	A-23		1.031	20.000" Sch. 80 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-20B-D-14	FLUED HEAD TO PIPE	VOLUMETRIC	A-23	14-H	1.031	20.000" Sch. 80 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-20B-D-14	FLUED HEAD TO PIPE	SURFACE	A-23		1.031	20.000" Sch. 80 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24A-R-4	PIPE TO PIPE	VOLUMETRIC	A-21	152-H	1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24A-R-4	PIPE TO PIPE	SURFACE	A-21		1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24A-R-5	PIPE TO ELBOW	VOLUMETRIC	A-21	152-H	1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24A-R-5	PIPE TO ELBOW	SURFACE	A-21		1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24A-R-6	ELBOW TO ELBOW	VOLUMETRIC	A-21	152-H	1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24A-R-6	ELBOW TO ELBOW	SURFACE	A-21		1.531	24.000" Sch. 100 SA-106, Gr.B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1E11-1RHR-24A-R-7	ELBOW TO ELBOW	VOLUMETRIC	A-21	152-H	1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24A-R-7	ELBOW TO ELBOW	SURFACE	A-21		1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24A-R-9	VALVE TO PIPE	VOLUMETRIC	A-21	152-H	1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24A-R-9	VALVE TO PIPE	SURFACE	A-21		1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24A-R-12	VALVE TO PIPE DIS.METAL SHOP WELD IHSI 1985/1986 RO	VOLUMETRIC	A-21	104-H	1.139	24.000" SA-358, Tp.304 (1.139" Nom. Wall)
B9.11	B-J	1E11-1RHR-24A-R-12	VALVE TO PIPE DIS.METAL SHOP WELD IHSI 1985/1986 RO	SURFACE	A-21		1.139	24.000" SA-358, Tp.304 (1.139" Nom. Wall)
B9.11	B-J	1E11-1RHR-24A-R-12	VALVE TO PIPE DIS.METAL SHOP WELD IHSI 1985/1986 RO	VOL-AUG	A-21		1.139	24.000" SA-358, Tp.304 (1.139" Nom. Wall)
B9.11	B-J	1E11-1RHR-24A-R-13	PIPE TO PIPE 84 OVERLAY/86 RESURF	VOL-AUG	A-21	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1E11-1RHR-24A-R-14	PIPE TO TEE IHSI 1985/1986 RO	VOLUMETRIC	A-21	104-H	1.139	24.000" SA-358, Tp.304 (1.139" Nom. Wall)
B9.11	B-J	1E11-1RHR-24A-R-14	PIPE TO TEE IHSI 1985/1986 RO	SURFACE	A-21		1.139	24.000" SA-358, Tp.304 (1.139" Nom. Wall)
B9.11	B-J	1E11-1RHR-24A-R-14	PIPE TO TEE IHSI 1985/1986 RO	VOL-AUG	A-21		1.139	24.000" SA-358, Tp.304 (1.139" Nom. Wall)
B9.11	B-J	1E11-1RHR-24B-R-4	PIPE TO ELBOW	VOLUMETRIC	A-22	152-H	1.531	24.000" Sch. 100 SA-106, Gr.B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1E11-1RHR-24B-R-4	PIPE TO ELBOW	SURFACE	A-22		1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24B-R-6	ELBOW TO PIPE	VOLUMETRIC	A-22	152-H	1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24B-R-6	ELBOW TO PIPE	SURFACE	A-22		1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24B-R-7	PIPE TO ELBOW	VOLUMETRIC	A-22	152-H	1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24B-R-7	PIPE TO ELBOW	SURFACE	A-22		1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24B-R-8	ELBOW TO PIPE	VOLUMETRIC	A-22	152-H	1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24B-R-8	ELBOW TO PIPE	SURFACE	A-22		1.531	24.000" Sch. 100 SA-106, Gr.B
B9.11	B-J	1E11-1RHR-24B-R-12	VALVE TO PIPE 1986 OVERLAY	VOL-AUG	A-22	135-H	0.000	Sch. 100 SS/CS-Inconel Overlay
B9.11	B-J	1E11-1RHR-24B-R-13	PIPE TO PIPE 82 OVERLAY/86 RESURF	VOL-AUG	A-22	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1E11-1RHR-24B-R-14	PIPE TO TEE IHSI 1985/1986 RO	VOLUMETRIC	A-22	104-H	1.139	24.000" SA-358, Tp.304 (1.139" Nom. Wall)
B9.11	B-J	1E11-1RHR-24B-R-14	PIPE TO TEE IHSI 1985/1986 RO	SURFACE	A-22		1.139	24.000" SA-358, Tp.304 (1.139" Nom. Wall)
B9.11	B-J	1E11-1RHR-24B-R-14	PIPE TO TEE IHSI 1985/1986 RO	VOL-AUG	A-22		1.139	24.000" SA-358, Tp.304 (1.139" Nom. Wall)
B9.31	B-J	1E11-1RHR-20B-D-1BC	PIPE TO BC IHSI 1985/1986 RO	VOLUMETRIC	A-23	130-H	0.879	20.000" SA-358, TP316NG
B9.31	B-J	1E11-1RHR-20B-D-1BC	PIPE TO BC IHSI 1985/1986 RO	SURFACE	A-23		0.879	20.000" SA-358, TP316NG
B9.31	B-J	1E11-1RHR-20B-D-1BC	PIPE TO BC IHSI 1985/1986 RO	VOL-AUG	A-23		0.879	20.000" SA-358, TP316NG

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B10.10	B-K-1	1E11-1RHR-20B-D-13RL-1	DEVICE E11-RHRH-813	SURFACE	A-23		0.000	
B10.10	B-K-1	1E11-1RHR-24A-R-6RL-1	DEVICE E11-RHRH-137	SURFACE	A-21		0.000	
B12.50	B-M-2	E11-F008 Body	VALVE BODIES	VISUAL	A-23		0.000	
B12.50	B-M-2	E11-F009 Body	VALVE BODIES	VISUAL	A-23		0.000	
B12.50	B-M-2	E11-F015A Body	VALVE BODIES	VISUAL	A-21		0.000	
B12.50	B-M-2	E11-F015B Body	VALVE BODIES	VISUAL	A-22		0.000	
B12.50	B-M-2	E11-F050A Body	VALVE BODIES	VISUAL	A-21		0.000	
B12.50	B-M-2	E11-F050B Body	VALVE BODIES	VISUAL	A-22		0.000	
B12.50	B-M-2	E11-F060A Body	VALVE BODIES	VISUAL	A-21		0.000	
B12.50	B-M-2	E11-F060B Body	VALVE BODIES	VISUAL	A-22		0.000	
B12.50	B-M-2	E11-F067 Body	VALVE BODIES	VISUAL	A-23		0.000	
B5.10	B-F	1E21-1CS-10A-20A	SAFE-END TO NOZZLE/ MSIP 1993 RO	VOLUMETRIC	A-26	108-H	1.125	10.000" Sch. 160 SA-106, Gr.B
B5.10	B-F	1E21-1CS-10A-20A	SAFE-END TO NOZZLE/ MSIP 1993 RO	SURFACE	A-26		1.125	10.000" Sch. 160 SA-106, Gr.B
B5.10	B-F	1E21-1CS-10A-20A	SAFE-END TO NOZZLE/ MSIP 1993 RO	VOL-AUG	A-26		1.125	10.000" Sch. 160 SA-106, Gr.B
B5.10	B-F	1E21-1CS-10B-21A	SAFE-END TO NOZZLE MSIP 1993 RO	VOLUMETRIC	A-27	108-H	1.125	10.000" Sch. 160 SA-106, Gr.B
B5.10	B-F	1E21-1CS-10B-21A	SAFE-END TO NOZZLE MSIP 1993 RO	SURFACE	A-27		1.125	10.000" Sch. 160 SA-106, Gr.B
B5.10	B-F	1E21-1CS-10B-21A	SAFE-END TO NOZZLE MSIP 1993	VOL-AUG	A-27		1.125	10.000" Sch. 160 SA-106, Gr.B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			RO					
B5.130	B-F	1E21-1CS-10A-18A	PIPE TO SAFE-END EXTENSION MSIP 1993 RO	VOLUMETRIC	A-26	150-H	0.594	10.000" Sch. 80 SA-312, Tp 304
B5.130	B-F	1E21-1CS-10A-18A	PIPE TO SAFE-END EXTENSION MSIP 1993 RO	SURFACE	A-26		0.594	10.000" Sch. 80 SA-312, Tp 304
B5.130	B-F	1E21-1CS-10A-18A	PIPE TO SAFE-END EXTENSION MSIP 1993 RO	VOL-AUG	A-26		0.594	10.000" Sch. 80 SA-312, Tp 304
B5.130	B-F	1E21-1CS-10B-19A	PIPE TO SAFE-END EXTENSION MSIP 1993 RO	VOLUMETRIC	A-27	150-H	0.594	10.000" Sch. 80 SA-312, Tp 304
B5.130	B-F	1E21-1CS-10B-19A	PIPE TO SAFE-END EXTENSION MSIP 1993 RO	SURFACE	A-27		0.594	10.000" Sch. 80 SA-312, Tp 304
B5.130	B-F	1E21-1CS-10B-19A	PIPE TO SAFE-END EXTENSION MSIP 1993 RO	VOL-AUG	A-27		0.594	10.000" Sch. 80 SA-312, Tp 304
B7.70	B-G-2	E21-F004A Bolting	VALVE BOLTING	VISUAL	A-26		0.000	
B7.70	B-G-2	E21-F004B Bolting	VALVE BOLTING	VISUAL	A-27		0.000	
B7.70	B-G-2	E21-F005A Bolting	VALVE BOLTING	VISUAL	A-26		0.000	
B7.70	B-G-2	E21-F005B Bolting	VALVE BOLTING	VISUAL	A-27		0.000	
B7.70	B-G-2	E21-F006A Bolting	VALVE BOLTING	VISUAL	A-26		0.000	
B7.70	B-G-2	E21-F006B Bolting	VALVE BOLTING	VISUAL	A-27		0.000	
B7.70	B-G-2	E21-F007A Bolting	VALVE BOLTING	VISUAL	A-26		0.000	
B7.70	B-G-2	E21-F007B Bolting	VALVE BOLTING	VISUAL	A-27		0.000	
B9.11	B-J	1E21-1CS-10A-2	VALVE TO ELBOW	VOLUMETRIC	A-26	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10A-2	VALVE TO ELBOW	SURFACE	A-26		0.594	10.000" Sch. 80 SA-106, Gr.

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1E21-1CS-10A-3	PIPE TO FLUED HEAD	VOLUMETRIC	A-26	137-H	0.594	B 10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10A-3	PIPE TO FLUED HEAD	SURFACE	A-26		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10A-7	VALVE TO ELBOW	VOLUMETRIC	A-26	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10A-7	VALVE TO ELBOW	SURFACE	A-26	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10A-8	ELBOW TO PIPE	VOLUMETRIC	A-26	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10A-8	ELBOW TO PIPE	SURFACE	A-26		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10A-9	PIPE TO VALVE	VOLUMETRIC	A-26	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10A-9	PIPE TO VALVE	SURFACE	A-26		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10A-19A	SAFE-END EXTENSION TO SAFE-END MSIP 1993 RO	VOLUMETRIC	A-26	85-H	1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B9.11	B-J	1E21-1CS-10A-19A	SAFE-END EXTENSION TO SAFE-END MSIP 1993 RO	SURFACE	A-26		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B9.11	B-J	1E21-1CS-10A-19A	SAFE-END EXTENSION TO SAFE-END MSIP 1993 RO	VOL-AUG	A-26		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B9.11	B-J	1E21-1CS-10B-3	ELBOW TO PIPE	VOLUMETRIC	A-27	137-H	0.594	B 10.000" Sch. 80 SA-106, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1E21-1CS-10B-3	ELBOW TO PIPE	SURFACE	A-27		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10B-4	PIPE TO FLUED HEAD	VOLUMETRIC	A-27	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10B-4	PIPE TO FLUED HEAD	SURFACE	A-27		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10B-5	PIPE TO ELBOW	VOLUMETRIC	A-27	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10B-5	PIPE TO ELBOW	SURFACE	A-27		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10B-6	ELBOW TO PIPE	VOLUMETRIC	A-27	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10B-6	ELBOW TO PIPE	SURFACE	A-27		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10B-8	VALVE TO ELBOW	VOLUMETRIC	A-27	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10B-8	VALVE TO ELBOW	SURFACE	A-27		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10B-10	PIPE TO VALVE	VOLUMETRIC	A-27	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10B-10	PIPE TO VALVE	SURFACE	A-27		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-1CS-10B-20A	SAFE-END EXTENSION TO SAFE-END MSIP 1993 RO	VOLUMETRIC	A-27	85-H	1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B9.11	B-J	1E21-1CS-10B-20A	SAFE-END EXTENSION TO SAFE-END MSIP 1993 RO	SURFACE	A-27		1.200	12.000" SA-182, F-304 (1.20" Nom. Wall)
B9.11	B-J	1E21-1CS-10B-20A	SAFE-END	VOL-AUG	A-27		1.200	12.000" SA-182, F-304

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			EXTENSION TO SAFE-END MSIP 1993 RO					(1.20" Nom. Wall)
B10.10	B-K-1	1E21-1CS-10A-5PS	DEVICE E21-CSH-39	SURFACE	A-26		0.000	
B10.10	B-K-1	1E21-1CS-10B-4APL-5	DEVICE E21-CSH-802	SURFACE	A-27		0.000	
B12.50	B-M-2	E21-F004A Body	VALVE BODIES	VISUAL	A-26		0.000	
B12.50	B-M-2	E21-F004B Body	VALVE BODIES	VISUAL	A-27		0.000	
B12.50	B-M-2	E21-F005A Body	VALVE BODIES	VISUAL	A-26		0.000	
B12.50	B-M-2	E21-F005B Body	VALVE BODIES	VISUAL	A-27		0.000	
B12.50	B-M-2	E21-F006A Body	VALVE BODIES	VISUAL	A-26		0.000	
B12.50	B-M-2	E21-F006B Body	VALVE BODIES	VISUAL	A-27		0.000	
B12.50	B-M-2	E21-F007A Body	VALVE BODIES	VISUAL	A-26		0.000	
B12.50	B-M-2	E21-F007B Body	VALVE BODIES	VISUAL	A-27		0.000	
B7.70	B-G-2	E41-F002 Bolting	VALVE BOLTING	VISUAL	A-28		0.000	
B7.70	B-G-2	E41-F003 Bolting	VALVE BOLTING	VISUAL	A-28		0.000	
B7.70	B-G-2	E41-F006 Bolting	VALVE BOLTING	VISUAL	A-29		0.000	
B9.11	B-J	1E41-1HPCI-10-D-1	BRANCH CONNECTION TO PIPE	VOLUMETRIC	A-28	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-10-D-1	BRANCH CONNECTION TO PIPE	SURFACE	A-28		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-10-D-4	PIPE TO ELBOW	VOLUMETRIC	A-28	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-10-D-4	PIPE TO ELBOW	SURFACE	A-28		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-10-D-6	ELBOW TO PIPE	VOLUMETRIC	A-28	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1E41-1HPCI-10-D-6	ELBOW TO PIPE	SURFACE	A-28		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-10-D-6C	PIPE TO ELBOW	VOLUMETRIC	A-28	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-10-D-6C	PIPE TO ELBOW	SURFACE	A-28		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-10-D-8	PIPE TO ELBOW	VOLUMETRIC	A-28	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-10-D-8	PIPE TO ELBOW	SURFACE	A-28		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-10-D-12	PIPE TO TEE	VOLUMETRIC	A-28	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-10-D-12	PIPE TO TEE	SURFACE	A-28		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-10-D-16	FLUED HEAD TO PIPE	VOLUMETRIC	A-28	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-10-D-16	FLUED HEAD TO PIPE	SURFACE	A-28		0.594	10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E41-1HPCI-14-R-2	VALVE TO PIPE	VOLUMETRIC	A-29	43-H	0.938	14.000" Sch. 100 SA-333, Gr.6
B9.11	B-J	1E41-1HPCI-14-R-2	VALVE TO PIPE	SURFACE	A-29		0.938	14.000" Sch. 100 SA-333, Gr.6
B9.11	B-J	1E41-1HPCI-14-R-3	PIPE TO ELBOW	VOLUMETRIC	A-29	43-H	0.938	14.000" Sch. 100 SA-333, Gr.6
B9.11	B-J	1E41-1HPCI-14-R-3	PIPE TO ELBOW	SURFACE	A-29		0.938	14.000" Sch. 100 SA-333, Gr.6
B9.11	B-J	1E41-1HPCI-14-R-11	ELBOW TO PIPE	VOLUMETRIC	A-29	43-H	0.938	14.000" Sch. 100 SA-333, Gr.6
B9.11	B-J	1E41-1HPCI-14-R-11	ELBOW TO PIPE	SURFACE	A-29		0.938	14.000" Sch. 100 SA-333, Gr.6
B9.21	B-J	1E41-1HPCI-3-R-1	VALVE TO PIPE	SURFACE	A-29A		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.21	B-J	1E41-1HPCI-3-R-4	PIPE TO ELBOW	SURFACE	A-29A		0.000	
B9.32	B-J	1E41-1HPCI-14-R-11BC	PIPE TO BRANCH CONNECTION	SURFACE	A-29		0.000	
B10.10	B-K-1	1E41-1HPCI-10-D-7HL-B-1	DEVICE E41-SS-22	SURFACE	A-28		0.000	
B10.10	B-K-1	1E41-1HPCI-10-D-7SL-A-1	DEVICE E41-HPSEH-52	SURFACE	A-28		0.000	
B12.50	B-M-2	E41-F002 Body	VALVE BODIES	VISUAL	A-28		0.000	
B12.50	B-M-2	E41-F003 Body	VALVE BODIES	VISUAL	A-28		0.000	
B12.50	B-M-2	E41-F006 Body	VALVE BODIES	VISUAL	A-29		0.000	
B7.70	B-G-2	E51-F007 Bolting	VALVE BOLTING	VISUAL	A-30		0.000	
B7.70	B-G-2	E51-F008 Bolting	VALVE BOLTING	VISUAL	A-30		0.000	
B7.70	B-G-2	E51-F013 Bolting	VALVE BOLTING	VISUAL	A-31		0.000	
B9.11	B-J	1E51-1RCIC-4-D-4	PIPE TO ELBOW	VOLUMETRIC	A-30	7-H	0.337	04.000" Sch. 80 AISI-SE-1043
B9.11	B-J	1E51-1RCIC-4-D-4	PIPE TO ELBOW	SURFACE	A-30		0.337	04.000" Sch. 80 AISI-SE-1043
B9.11	B-J	1E51-1RCIC-4-D-6	PIPE TO ELBOW	VOLUMETRIC	A-30	7-H	0.337	04.000" Sch. 80 AISI-SE-1043
B9.11	B-J	1E51-1RCIC-4-D-6	PIPE TO ELBOW	SURFACE	A-30		0.337	04.000" Sch. 80 AISI-SE-1043
B9.11	B-J	1E51-1RCIC-4-D-8	PIPE TO ELBOW	VOLUMETRIC	A-30	7-H	0.337	04.000" Sch. 80 AISI-SE-1043
B9.11	B-J	1E51-1RCIC-4-D-8	PIPE TO ELBOW	SURFACE	A-30		0.337	04.000" Sch. 80 AISI-SE-1043
B9.11	B-J	1E51-1RCIC-4-D-11	ELBOW TO PIPE	VOLUMETRIC	A-30	7-H	0.337	04.000" Sch. 80 AISI-SE-1043
B9.11	B-J	1E51-1RCIC-4-D-11	ELBOW TO PIPE	SURFACE	A-30		0.337	04.000" Sch. 80 AISI-SE-1043
B9.11	B-J	1E51-1RCIC-4-R-3	PIPE TO ELBOW	VOLUMETRIC	A-31	142-H	0.438	04.000" Sch. 120 SA-106,

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
								Gr. B
B9.11	B-J	1E51-1RCIC-4-R-3	PIPE TO ELBOW	SURFACE	A-31		0.438	04.000" Sch. 120 SA-106, Gr. B
B9.11	B-J	1E51-1RCIC-4-R-6	ELBOW TO PIPE	VOLUMETRIC	A-31	142-H	0.438	04.000" Sch. 120 SA-106, Gr. B
B9.11	B-J	1E51-1RCIC-4-R-6	ELBOW TO PIPE	SURFACE	A-31		0.438	04.000" Sch. 120 SA-106, Gr. B
B9.11	B-J	1E51-1RCIC-4-R-7	PIPE TO ELBOW	VOLUMETRIC	A-31	142-H	0.438	04.000" Sch. 120 SA-106, Gr. B
B9.11	B-J	1E51-1RCIC-4-R-7	PIPE TO ELBOW	SURFACE	A-31		0.438	04.000" Sch. 120 SA-106, Gr. B
B9.11	B-J	1E51-1RCIC-4-R-9	TEE TO PIPE	VOLUMETRIC	A-31	142-H	0.438	04.000" Sch. 120 SA-106, Gr. B
B9.11	B-J	1E51-1RCIC-4-R-9	TEE TO PIPE	SURFACE	A-31		0.438	04.000" Sch. 120 SA-106, Gr. B
B10.10	B-K-1	1E51-1RCIC-4-D-7SL-1	DEVICE E51-RCSEH-19	SURFACE	A-30		0.000	
B7.70	B-G-2	G31-F001 Bolting	VALVE BOLTING	VISUAL	A-32		0.000	
B7.70	B-G-2	G31-F004 Bolting	VALVE BOLTING	VISUAL	A-32		0.000	
B7.70	B-G-2	G31-F027 Bolting	VALVE BOLTING	VISUAL	A-32		0.000	
B7.70	B-G-2	G31-F039 Bolting	VALVE BOLTING	VISUAL	A-33		0.000	
B7.70	B-G-2	G31-F203 Bolting	VALVE BOLTING	VISUAL	A-29A		0.000	
B9.11	B-J	1G31-1RWCU-4-R-37	VALVE TO ELBOW	VOLUMETRIC	A-33	122-H	0.438	04.000" SA-106, Gr. B Sch. 120
B9.11	B-J	1G31-1RWCU-4-R-37	VALVE TO ELBOW	SURFACE	A-33		0.438	04.000" SA-106, Gr. B Sch. 120
B9.11	B-J	1G31-1RWCU-4-R-41	PIPE TO TEE	VOLUMETRIC	A-33	122-H	0.438	04.000" SA-106, Gr. B Sch. 120
B9.11	B-J	1G31-1RWCU-4-R-41	PIPE TO TEE	SURFACE	A-33		0.438	04.000" SA-106, Gr. B Sch. 120

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1G31-1RWCUM-6-D-1	B-C TO PIPE 1988 OVERLAY	VOL-AUG	A-32	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1G31-1RWCUM-6-D-2	PIPE TO ELBOW MSIP 1993 RO	VOLUMETRIC	A-32	133-H	0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-2	PIPE TO ELBOW MSIP 1993 RO	SURFACE	A-32		0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-2	PIPE TO ELBOW MSIP 1993 RO	VOL-AUG	A-32		0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-5	VALVE TO ELBOW MSIP 1993 RO	VOLUMETRIC	A-32	133-H	0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-5	VALVE TO ELBOW MSIP 1993 RO	SURFACE	A-32		0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-5	VALVE TO ELBOW MSIP 1993 RO	VOL-AUG	A-32		0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-8	ELBOW TO PIPE MSIP 1993 RO	VOLUMETRIC	A-32	133-H	0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-8	ELBOW TO PIPE MSIP 1993 RO	SURFACE	A-32		0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-8	ELBOW TO PIPE MSIP 1993 RO	VOL-AUG	A-32		0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-9	PIPE TO ELBOW 1988 OVERLAY	VOL-AUG	A-32	134-H	0.000	PL-SS-Clad Overlay Block
B9.11	B-J	1G31-1RWCUM-6-D-10	ELBOW TO PIPE MSIP 1993 RO	VOLUMETRIC	A-32	133-H	0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-10	ELBOW TO PIPE MSIP 1993 RO	SURFACE	A-32		0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-10	ELBOW TO PIPE MSIP 1993 RO	VOL-AUG	A-32		0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-15A	VALVE TO PIPE	VOLUMETRIC	A-32	2-H	0.432	06.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1G31-1RWCUM-6-D-15A	VALVE TO PIPE	SURFACE	A-32		0.432	06.000" Sch. 80 SA-376,

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
								Tp.304
B9.11	B-J	1G31-1RWCU-6-D-15A	VALVE TO PIPE	VOL-AUG	A-32		0.432	06.000" Sch. 80 SA-376, Tp.304
B9.11	B-J	1G31-1RWCUM-6-D-18	ELBOW TO PIPE MSIP 1993 RO	VOLUMETRIC	A-32	133-H	0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-18	ELBOW TO PIPE MSIP 1993 RO	SURFACE	A-32		0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B9.11	B-J	1G31-1RWCUM-6-D-18	ELBOW TO PIPE MSIP 1993 RO	VOL-AUG	A-32		0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
B10.10	B-K-1	1G31-1RWCUM-6-D-18-R L-1	DEVICE G31-RWCUH-3	SURFACE	A-32		0.000	
B12.50	B-M-2	G31-F001 Body	VALVE BODIES	VISUAL	A-32		0.000	
B12.50	B-M-2	G31-F004 Body	VALVE BODIES	VISUAL	A-32		0.000	
B12.50	B-M-2	G31-F027 Body	VALVE BODIES	VISUAL	A-32		0.000	
--	--	1B11\SHROUD HEAD BOLTS		VOL-AUG	- -	136-H	1.865	Shroud Head Bolts, Inconel 600
C5.51	C-F-2	1C11-2CRD-8N-SDV-4	ELBOW TO TEE	VOL-AUG	B-84		0.000	
C5.51	C-F-2	1C11-2CRD-8N-SDV-4	ELBOW TO TEE	SUR-AUG	B-84		0.000	
C5.51	C-F-2	1C11-2CRD-8N-SDV-11	PIPE TO CAP	SUR-AUG	B-84		0.000	
C5.51	C-F-2	1C11-2CRD-8N-SDV-11	PIPE TO CAP	VOL-AUG	B-84		0.000	
C5.51	C-F-2	1C11-2CRD-8N-SDV-12	TEE TO PIPE	SUR-AUG	B-84		0.000	
C5.51	C-F-2	1C11-2CRD-8N-SDV-12	TEE TO PIPE	VOL-AUG	B-84		0.000	
--	--	1E11-2RHR-4-HS-6	PIPE TO ELBOW	SURFACE	B-70A		0.000	
--	--	1E11-2RHR-4-HS-14	PIPE TO ELBOW	SURFACE	B-70A		0.000	
--	--	1E11-2RHR-4A-D-C-6	ELBOW TO PIPE	SURFACE	B-38A		0.000	
--	--	1E11-2RHR-4A-PD-C-1	PIPE TO VALVE	SURFACE	B-45		0.000	
--	--	1E11-2RHR-4A-R-2	ELBOW TO PIPE	SURFACE	B-50		0.000	
--	--	1E11-2RHR-4A-SS-2	ELBOW TO PIPE	SURFACE	B-68		0.000	
--	--	1E11-2RHR-4B-PD-D-2	ELBOW TO VALVE	SURFACE	B-53		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
--	--	1E11-2RHR-4B-TS-B-1	PIPE TO ELBOW	SURFACE	B-42		0.000	
--	--	1E11-2KHR-6A-DS-1	PIPE TO FLANGE	SURFACE	B-52		0.000	
C1.10	C-A	1E11-2HX-B-2	UPPER SHELL RING TO LOWER SHELL RING	VOLUMETRIC	B-32	73-H	0.850	00.850" PLATE SA-516, Gr.70
C1.20	C-A	1E11-2HX-A-1	SHELL HEAD TO UPPER SHELL RING	VOLUMETRIC	B-32	72-H	1.250	01.250" PLATE SA-516, Gr.70
C1.30	C-A	1E11-2HX-B-3	LOWER SHELL RING TO FLANGE	VOLUMETRIC	B-32	72-H	1.250	01.250" PLATE SA-516, Gr.70
C2.21	C-B	1E11-2HX-A-I	INLET NOZZLE TO RHR HX SHELL	SURFACE	B-32	72-H	1.250	01.250" PLATE SA-516, Gr.70
C2.21	C-B	1E11-2HX-A-I	INLET NOZZLE TO RHR HX SHELL	VOLUMETRIC	B-32		1.250	01.250" PLATE SA-516, Gr.70
C2.21	C-B	1E11-2HX-B-O	RHR HX SHELL TO OUTLET NOZZLE	SURFACE	B-32	72-H	1.250	01.250" PLATE SA-516, Gr.70
C2.21	C-B	1E11-2HX-B-O	RHR HX SHELL TO OUTLET NOZZLE	VOLUMETRIC	B-32		1.250	01.250" PLATE SA-516, Gr.70
C3.10	C-C	1E11-2HX-A-USC-4	UPPER SUPPORT BRACKET	SURFACE	B-32		0.000	
C3.20	C-C	1E11-2RHR-20B-D-1PS-3	DEVICE E11-RHRH-200	SURFACE	B-41		0.000	
C3.20	C-C	1E11-2RHR-20B-D-5PS	DEVICE E11-RHRH-194	SURFACE	B-41		0.000	
C3.20	C-C	1E11-2RHR-24A-BP-7PL-1	DEVICE E11-RHRH-224	SURFACE	B-46		0.000	
C3.20	C-C	1E11-2RHR-24A-R-7PS-1	DEVICE E11-RHRH-319	SURFACE	B-50		0.000	
C3.20	C-C	1E11-2RHR-24A-TS-A-3 PS-1	DEVICE E11-RHRH-4	SURFACE	B-36		0.000	
C3.20	C-C	1E11-2RHR-24A-TS-C-9 PS	DEVICE E11-RHRH-11	SURFACE	B-38		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
C3.20	C-C	1E11-2RHR-24B-TS-D-5 PL-1	DEVICE E11-RHRH-720	SURFACE	B-39		0.000	
C5.51	C-F-2	1E11-2RHR-6A-SS-2	PIPE TO ELBOW	SURFACE	B-67	9-H	0.432	06.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-6A-SS-2	PIPE TO ELBOW	VOLUMETRIC	B-67		0.432	06.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-6A-SS-6	VALVE TO ELBOW	SURFACE	B-67	9-H	0.432	06.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-6A-SS-6	VALVE TO ELBOW	VOLUMETRIC	B-67		0.432	06.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-6A-SS-7	ELBOW TO PIPE	SURFACE	B-67	9-H	0.432	06.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-6A-SS-7	ELBOW TO PIPE	VOLUMETRIC	B-67		0.432	06.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-6B-SS-3	ELBOW TO PIPE	SURFACE	B-57	9-H	0.432	06.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-6B-SS-3	ELBOW TO PIPE	VOLUMETRIC	B-57		0.432	06.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-6B-SS-7	PIPE TO VALVE	SURFACE	B-57	9-H	0.432	06.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-6B-SS-7	PIPE TO VALVE	VOLUMETRIC	B-57		0.432	06.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-14A-SS-1	REDUCER TO PIPE	SURFACE	B-68		0.000	
C5.51	C-F-2	1E11-2RHR-14A-SS-1	REDUCER TO PIPE	VOLUMETRIC	B-68		0.000	
C5.51	C-F-2	1E11-2RHR-14B-SS-1	REDUCER TO PIPE	SURFACE	B-57		0.000	
C5.51	C-F-2	1E11-2RHR-14B-SS-1	REDUCER TO PIPE	VOLUMETRIC	B-57		0.000	
C5.51	C-F-2	1E11-2RHR-16A-DS-1	BRANCH CONNECTION TO ELBOW	SURFACE	B-52	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16A-DS-1	BRANCH	VOLUMETRIC	B-52		0.000	16.000" Sch. 30 SA-333,

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			CONNECTION TO ELBOW					Gr.6
C5.51	C-F-2	1E11-2RHR-16A-HXI-1	REDUCER TO PIPE	SURFACE	B-44	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16A-HXI-1	REDUCER TO PIPE	VOLUMETRIC	B-44		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16A-HXO-3	PIPE TO VALVE	SURFACE	B-47	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16A-HXO-3	PIPE TO VALVE	VOLUMETRIC	B-47		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16A-SH-1	TEE TO PIPE	SURFACE	B-51	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16A-SH-1	TEE TO PIPE	VOLUMETRIC	B-51		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16A-SH-6	PIPE TO VALVE	SURFACE	B-51	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16A-SH-6	PIPE TO VALVE	VOLUMETRIC	B-51		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16A-TL-1	REDUCER TO TEE	SURFACE	B-64	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16A-TL-1	REDUCER TO TEE	VOLUMETRIC	B-64		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16B-HXI-1	REDUCER TO ELBOW	SURFACE	B-55	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16B-HXI-1	REDUCER TO ELBOW	VOLUMETRIC	B-55		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16B-HXO-2	ELBOW TO VALVE	SURFACE	B-58	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16B-HXO-2	ELBOW TO VALVE	VOLUMETRIC	B-58		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16B-PD-D-4	PIPE TO REDUCER	SURFACE	B-53	58-H	0.000	16.000" Sch. 30 SA-333,

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
								Gr.6
C5.51	C-F-2	1E11-2RHR-16B-PD-D-4	PIPE TO REDUCER	VOLUMETRIC	B-53		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16B-SH-5	ELBOW TO PIPE	SURFACE	B-61	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16B-SH-5	ELBOW TO PIPE	VOLUMETRIC	B-61		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16B-SH-12	TEE TO PIPE	SURFACE	B-61	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-16B-SH-12	TEE TO PIPE	VOLUMETRIC	B-61		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E11-2RHR-20-RS-3	TEE TO PIPE	SURFACE	B-33	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20-RS-3	TEE TO PIPE	VOLUMETRIC	B-33		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20-RS-13	ELBOW TO PIPE	SURFACE	B-33	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20-RS-13	ELBOW TO PIPE	VOLUMETRIC	B-33		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20A-BP-2	PIPE TO VALVE	SURFACE	B-49	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20A-BP-2	PIPE TO VALVE	VOLUMETRIC	B-49		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20A-D-6	PIPE TO ELBOW	SURFACE	B-34	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20A-D-6	PIPE TO ELBOW	VOLUMETRIC	B-34		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20A-HXI-2	REDUCER TO TEE	SURFACE	B-44	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20A-HXI-2	REDUCER TO TEE	VOLUMETRIC	B-44		0.500	20.000" Sch. 30 SA-106, Gr.B

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ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
C5.51	C-F-2	1E11-2RHR-20A-PD-A-3	VALVE TO PIPE	SURFACE	B-43	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20A-PD-A-3	VALVE TO PIPE	VOLUMETRIC	B-43		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20A-PD-A-8	PIPE TO FLANGE	SURFACE	B-43	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20A-PD-A-8	PIPE TO FLANGE	VOLUMETRIC	B-43		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20A-PD-C-7	PIPE TO FLANGE	SURFACE	B-45	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20A-PD-C-7	PIPE TO FLANGE	VOLUMETRIC	B-45		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20B-D-7	ELBOW TO PIPE	SURFACE	B-41	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20B-D-7	ELBOW TO PIPE	VOLUMETRIC	B-41		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20B-HXO-1	NOZZLE TO ELBOW	SURFACE	B-58	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20B-HXO-1	NOZZLE TO ELBOW	VOLUMETRIC	B-58		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20B-PD-B-2	PIPE TO VALVE	SURFACE	B-54	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20B-PD-B-2	PIPE TO VALVE	VOLUMETRIC	B-54		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20B-PD-D-2	PIPE TO ELBOW	SURFACE	B-53	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20B-PD-D-2	PIPE TO ELBOW	VOLUMETRIC	B-53		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20B-PD-D-1	PIPE TO ELBOW	SURFACE	B-53	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20B-PD-D-1	PIPE TO ELBOW	VOLUMETRIC	B-53		0.500	20.000" Sch. 30 SA-106, Gr.B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
		1						Gr.B
C5.51	C-F-2	1E11-2RHR-20C-D-2	PIPE TO ELBOW	SURFACE	B-37	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20C-D-2	PIPE TO ELBOW	VOLUMETRIC	B-37		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20C-D-12	PIPE TO TEE	SURFACE	B-37	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20C-D-12	PIPE TO TEE	VOLUMETRIC	B-37		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20D-D-9	ELBOW TO PIPE	SURFACE	B-40	44-H	0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-20D-D-9	ELBOW TO PIPE	VOLUMETRIC	B-40		0.500	20.000" Sch. 30 SA-106, Gr.B
C5.51	C-F-2	1E11-2RHR-24A-BP-9	ELBOW TO PIPE	SURFACE	B-46	139-H	0.562	24.000" Sch. 30 SA-106, Gr. B
C5.51	C-F-2	1E11-2RHR-24A-BP-9	ELBOW TO PIPE	VOLUMETRIC	B-46		0.562	24.000" Sch. 30 SA-106, Gr. B
C5.51	C-F-2	1E11-2RHR-24A-R-1	TEE TO ELBOW	SURFACE	B-50	139-H	0.562	24.000" Sch. 30 SA-106, Gr. B
C5.51	C-F-2	1E11-2RHR-24A-R-1	TEE TO ELBOW	VOLUMETRIC	B-50		0.562	24.000" Sch. 30 SA-106, Gr. B
C5.51	C-F-2	1E11-2RHR-24A-TS-A-6	ELBOW TO PIPE	SURFACE	B-36	49-H	0.375	24.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E11-2RHR-24A-TS-A-6	ELBOW TO PIPE	VOLUMETRIC	B-36		0.375	24.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E11-2RHR-24A-TS-C-3	FLANGE TO PIPE	SURFACE	B-38	49-H	0.375	24.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E11-2RHR-24A-TS-C-3	FLANGE TO PIPE	VOLUMETRIC	B-38		0.375	24.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E11-2RHR-24A-TS-C-1	ELBOW TO PIPE	SURFACE	B-38	49-H	0.375	24.000" SA-106, Gr.B (0.375" Nom. Wall)
		1						Gr.B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
C5.51	C-F-2	1E11-2RHR-24A-TS-C-1 1	ELBOW TO PIPE	VOLUMETRIC	B-38		0.375	24.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E11-2RHR-24B-BP-4	ELBOW TO PIPE	SURFACE	B-56	139-H	0.562	24.000" Sch. 30 SA-106, Gr. B
C5.51	C-F-2	1E11-2RHR-24B-BP-4	ELBOW TO PIPE	VOLUMETRIC	B-56		0.562	24.000" Sch. 30 SA-106, Gr. B
C5.51	C-F-2	1E11-2RHR-24B-BP-10	ELBOW TO PIPE	SURFACE	B-56	139-H	0.562	24.000" Sch. 30 SA-106, Gr. B
C5.51	C-F-2	1E11-2RHR-24B-BP-10	ELBOW TO PIPE	VOLUMETRIC	B-56		0.562	24.000" Sch. 30 SA-106, Gr. B
C5.51	C-F-2	1E11-2RHR-24B-R-4	ELBOW TO PIPE	SURFACE	B-59	139-H	0.562	24.000" Sch. 30 SA-106, Gr. B
C5.51	C-F-2	1E11-2RHR-24B-R-4	ELBOW TO PIPE	VOLUMETRIC	B-59		0.562	24.000" Sch. 30 SA-106, Gr. B
C5.51	C-F-2	1E11-2RHR-24B-TS-B-1 1	PIPE TO VALVE	SURFACE	B-42	49-H	0.375	24.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E11-2RHR-24B-TS-B-1 1	PIPE TO VALVE	VOLUMETRIC	B-42		0.375	24.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E11-2RHR-24B-TS-D-9	ELBOW TO PIPE	SURFACE	B-39	49-H	0.375	24.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E11-2RHR-24B-TS-D-9	ELBOW TO PIPE	VOLUMETRIC	B-39		0.375	24.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E11-2RHR-24B-TS-D-1 7	ELBOW TO REDUCER	SURFACE	B-39	139-H	0.562	24.000" Sch. 30 SA-106, Gr. B
C5.51	C-F-2	1E11-2RHR-24B-TS-D-1 7	ELBOW TO REDUCER	VOLUMETRIC	B-39		0.562	24.000" Sch. 30 SA-106, Gr. B
--	--	1E21-2CS-3A-1	BRANCH CONNECTION TO PIPE	SURFACE	B-3A		0.000	
--	--	1E21-2CS-3B-4	PIPE TO VALVE	SURFACE	B-7A		0.000	
B9.11	B-J	1E21-2CS-10A-4	VALVE TO PIPE	SURFACE	B-6	137-H	0.594	10.000" Sch. 80 SA-106, Gr.

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
B9.11	B-J	1E21-2CS-10A-4	VALVE TO PIPE	VOLUMETRIC	B-6		0.594	B 10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-2CS-10B-5	VALVE TO PIPE	SURFACE	B-9	137-H	0.594	B 10.000" Sch. 80 SA-106, Gr. B
B9.11	B-J	1E21-2CS-10B-5	VALVE TO PIPE	VOLUMETRIC	B-9		0.594	B 10.000" Sch. 80 SA-106, Gr. B
C3.20	C-C	1E21-2CS-12B-11PS-1	DEVICE E21-CSH-57	SURFACE	B-7		0.000	
C3.20	C-C	1E21-2CS-12B-17PS-1	DEVICE E21-CSH-60	SURFACE	B-7		0.000	
C3.20	C-C	1E21-2CS-12B-27PL-1	DEVICE E21-CSH-30	SURFACE	B-9		0.000	
C3.20	C-C	1E21-2CS-16A-TS-7PS-1	DEVICE E21-CSH-18	SURFACE	B-2		0.000	
C3.20	C-C	1E21-2CS-16B-TS-10PS	DEVICE E21-CSH-10	SURFACE	B-1		0.000	
C5.51	C-F-2	1E21-2CS-12A-6	PIPE TO FLANGE	SURFACE	B-3	41-H	0.375	12.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E21-2CS-12A-6	PIPE TO FLANGE	VOLUMETRIC	B-3		0.375	12.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E21-2CS-12A-18	ELBOW TO PIPE	SURFACE	B-4	41-H	0.375	12.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E21-2CS-12A-18	ELBOW TO PIPE	VOLUMETRIC	B-4		0.375	12.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E21-2CS-12A-34	ELBOW TO PIPE	SURFACE	B-6	41-H	0.375	12.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E21-2CS-12A-34	ELBOW TO PIPE	VOLUMETRIC	B-6		0.375	12.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E21-2CS-12B-8	FLANGE TO PIPE	SURFACE	B-7	41-H	0.375	12.000" SA-106, Gr.B (0.375" Nom. Wall)

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
C5.51	C-F-2	1E21-2CS-12B-8	FLANGE TO PIPE	VOLUMETRIC	B-7		0.375	12.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E21-2CS-12B-22	PIPE TO ELBOW	SURFACE	B-9	41-H	0.375	12.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E21-2CS-12B-22	PIPE TO ELBOW	VOLUMETRIC	B-9		0.375	12.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E21-2CS-12B-29	ELBOW TO PIPE	SURFACE	B-9	41-H	0.375	12.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E21-2CS-12B-29	ELBOW TO PIPE	VOLUMETRIC	B-9		0.375	12.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E21-2CS-14A-CTS-2	PIPE TO ELBOW	SURFACE	B-2		0.000	
C5.51	C-F-2	1E21-2CS-14A-CTS-2	PIPE TO ELBOW	VOLUMETRIC	B-2		0.000	
C5.51	C-F-2	1E21-2CS-14B-TS-1	REDUCER TO NOZZLE	SURFACE	B-1		0.000	
C5.51	C-F-2	1E21-2CS-14B-TS-1	REDUCER TO NOZZLE	VOLUMETRIC	B-1		0.000	
C5.51	C-F-2	1E21-2CS-16A-TS-5	PIPE TO ELBOW	SURFACE	B-2	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E21-2CS-16A-TS-5	PIPE TO ELBOW	VOLUMETRIC	B-2		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E21-2CS-16A-TS-17	PIPE TO TEE	SURFACE	B-2	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E21-2CS-16A-TS-17	PIPE TO TEE	VOLUMETRIC	B-2		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E21-2CS-16B-TS-7	ELBOW TO PIPE	SURFACE	B-1	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E21-2CS-16B-TS-7	ELBOW TO PIPE	VOLUMETRIC	B-1		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E21-2CS-16B-TS-21	PIPE TO ELBOW	SURFACE	B-1	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6

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ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
C5.51	C-F-2	1E21-2CS-16B-TS-21	PIPE TO ELBOW	VOLUMETRIC	B-1		0.000	16.000" Sch. 30 SA-333, Gr.6
--	--	1E41-2HPCI-2-CWR-3	ELBOW TO PIPE	SURFACE	B-97		0.000	
--	--	1E41-2HPCI-2-CWS-12	PIPE TO ELBOW	SURFACE	B-98		0.000	
--	--	1E41-2HPCI-4-MFL-5	ELBOW TO PIPE	SURFACE	B-10A		0.000	
--	--	1E41-2HPCI-16-CS-4	ELBOW TO PIPE	SURFACE	B-13A		0.000	
--	--	1E41-2HPCI-16-PS-1	TEE TO PIPE	SURFACE	B-87		0.000	
--	--	1E41-2HPCI-16-TS-6	PIPE TO ELBOW	SURFACE	B-13		0.000	
C3.20	C-C	1E41-2HPCI-16-RD-1PL-1	DEVICE E41-HPSEH-89	SURFACE	B-17		0.000	
C3.20	C-C	1E41-2HPCI-18-TD-5PS-1-1	DEVICE E41-HPSEH-1	SURFACE	B-14		0.000	
C5.51	C-F-2	1E41-2HPCI-10-SS-2	PIPE TO TEE	SURFACE	B-21	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-2	PIPE TO TEE	VOLUMETRIC	B-21		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-5	PIPE TO ELBOW	SURFACE	B-21	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-5	PIPE TO ELBOW	VOLUMETRIC	B-21		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-6	ELBOW TO PIPE	SURFACE	B-21	127-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-6	ELBOW TO PIPE	VOLUMETRIC	B-21		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-9	TEE TO PIPE	SURFACE	B-22	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-9	TEE TO PIPE	VOLUMETRIC	B-22		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-11	ELBOW TO PIPE	SURFACE	B-22	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B

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ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
C5.51	C-F-2	1E41-2HPCI-10-SS-11	ELBOW TO PIPE	VOLUMETRIC	B-22		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-13	TEE TO REDUCER	SURFACE	B-22	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-13	TEE TO REDUCER	VOLUMETRIC	B-22		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-17	ELBOW TO PIPE	SURFACE	B-18	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-17	ELBOW TO PIPE	VOLUMETRIC	B-18		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-24	PIPE TO ELBOW	SURFACE	B-19	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-24	PIPE TO ELBOW	VOLUMETRIC	B-19		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-29R	VALVE TO PIPE	SURFACE	B-20	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-29R	VALVE TO PIPE	VOLUMETRIC	B-20		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-30B	TEE TO PIPE	SURFACE	B-20	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-30B	TEE TO PIPE	VOLUMETRIC	B-20		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-32	ELBOW TO PIPE	SURFACE	B-20	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-32	ELBOW TO PIPE	VOLUMETRIC	B-20		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-34	ELBOW TO PIPE	SURFACE	B-20	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-34	ELBOW TO PIPE	VOLUMETRIC	B-20		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-SS-37	PIPE TO FLANGE	SURFACE	B-20	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
C5.51	C-F-2	1E41-2HPCI-10-SS-37	PIPE TO FLANGE	VOLUMETRIC	B-20		0.594	B 10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1E41-2HPCI-10-TL-2	FLANGE TO PIPE	SURFACE	B-12	54-H	0.718	10.000" Sch. 100 SA-106, Gr.B
C5.51	C-F-2	1E41-2HPCI-10-TL-2	FLANGE TO PIPE	VOLUMETRIC	B-12		0.718	10.000" Sch. 100 SA-106, Gr.B
C5.51	C-F-2	1E41-2HPCI-10-TL-5A	PIPE TO VALVE	SURFACE	B-12	54-H	0.718	10.000" Sch. 100 SA-106, Gr.B
C5.51	C-F-2	1E41-2HPCI-10-TL-5A	PIPE TO VALVE	VOLUMETRIC	B-12		0.718	10.000" Sch. 100 SA-106, Gr.B
C5.51	C-F-2	1E41-2HPCI-14-R-3	PIPE TO ELBOW	SURFACE	B-10	116-H	0.750	14.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E41-2HPCI-14-R-3	PIPE TO ELBOW	VOLUMETRIC	B-10		0.750	14.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E41-2HPCI-14-R-10	PIPE TO FLANGE	SURFACE	B-10	116-H	0.750	14.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E41-2HPCI-14-R-10	PIPE TO FLANGE	VOLUMETRIC	B-10		0.750	14.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1E41-2HPCI-14-R-17	PIPE TO TEE	SURFACE	B-10	43-H	0.938	14.000" Sch. 100 SA-333, Gr.6
C5.51	C-F-2	1E41-2HPCI-14-R-17	PIPE TO TEE	VOLUMETRIC	B-10		0.938	14.000" Sch. 100 SA-333, Gr.6
C5.51	C-F-2	1E41-2HPCI-14-R-24	ELBOW TO PIPE	SURFACE	B-11	43-H	0.938	14.000" Sch. 100 SA-333, Gr.6
C5.51	C-F-2	1E41-2HPCI-14-R-24	ELBOW TO PIPE	VOLUMETRIC	B-11		0.938	14.000" Sch. 100 SA-333, Gr.6
C5.51	C-F-2	1E41-2HPCI-14-R-28	ELBOW TO PIPE	SURFACE	B-11	43-H	0.938	14.000" Sch. 100 SA-333, Gr.6
C5.51	C-F-2	1E41-2HPCI-14-R-28	ELBOW TO PIPE	VOLUMETRIC	B-11		0.938	14.000" Sch. 100 SA-333, Gr.6

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
C5.51	C-F-2	1E41-2HPCI-14-R-33	PIPE TO ELBOW	SURFACE	B-11	43-H	0.938	14.000" Sch. 100 SA-333, Gr.6
C5.51	C-F-2	1E41-2HPCI-14-R-33	PIPE TO ELBOW	VOLUMETRIC	B-11		0.938	14.000" Sch. 100 SA-333, Gr.6
C5.51	C-F-2	1E41-2HPCI-14-R-39	PIPE TO VALVE	SURFACE	B-11	43-H	0.938	14.000" Sch. 100 SA-333, Gr.6
C5.51	C-F-2	1E41-2HPCI-14-R-39	PIPE TO VALVE	VOLUMETRIC	B-11		0.938	14.000" Sch. 100 SA-333, Gr.6
C5.51	C-F-2	1E41-2HPCI-16-RD-3	ELBOW TO FLANGE	SURFACE	B-17	58-H	0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E41-2HPCI-16-RD-3	ELBOW TO FLANGE	VOLUMETRIC	B-17		0.000	16.000" Sch. 30 SA-333, Gr.6
C5.51	C-F-2	1E41-2HPCI-18-TD-6	TEE TO REDUCER	SURFACE	B-14	42-H	0.375	18.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E41-2HPCI-18-TD-6	TEE TO REDUCER	VOLUMETRIC	B-14		0.375	18.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1E41-2HPCI-20-TD-16	ELBOW TO REDUCER	SURFACE	B-16	57-H	0.375	20.000" SA-333, Gr.6 (0.375" Nom. Wall)
C5.51	C-F-2	1E41-2HPCI-20-TD-16	ELBOW TO REDUCER	VOLUMETRIC	B-16		0.375	20.000" SA-333, Gr.6 (0.375" Nom. Wall)
--	--	1E51-2RCIC-4-D-4	PIPE TO TEE	SURFACE	B-99		0.000	
--	--	1E51-2RCIC-4-D-15	ELBOW TO PIPE	SURFACE	B-99		0.000	
--	--	1E51-2RCIC-4-SS-1	VALVE TO PIPE	SURFACE	B-95		0.000	
--	--	1E51-2RCIC-4-SS-17	PIPE TO ELBOW	SURFACE	B-96		0.000	
--	--	1E51-2RCIC-4-SS-36	PIPE TO ELBOW	SURFACE	B-96		0.000	
--	--	1E51-2RCIC-6-CST-7	PIPE TO ELBOW	SURFACE	B-88B		0.000	
--	--	1E51-2RCIC-6-CST-14	ELBOW TO PIPE	SURFACE	B-88A		0.000	
--	--	1E51-2RCIC-6-PS-9	ELBOW TO PIPE	SURFACE	B-88		0.000	
--	--	1E51-2RCIC-6-TS-4	VALVE TO PIPE	SURFACE	B-89		0.000	

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
--	--	1E51-2RCIC-6-TS-14	VALVE TO TEE	SURFACE	B-89		0.000	
C3.20	C-C	1E51-2RCIC-10-TD-12P S-1	DEVICE E51-RCSEH-719	SURFACE	B-24		0.000	
--	--	1G31-2RWCU-4-R-3A	TEE TO PIPE	VOL-AUG	B-83	142-H	0.438	04.000" Sch. 120 SA-106, Gr. B
--	--	1G31-2RWCU-4-R-4C	PIPE TO PIPE	VOL-AUG	B-83	142-H	0.438	04.000" Sch. 120 SA-106, Gr. B
C3.20	C-C	1N11-2MSA-24C-10PS-1	DEVICE N11-MSH-4	SURFACE	B-76		0.000	
C3.20	C-C	1N11-2MSA-24C-11PS	DEVICE N11-MSH-6	SURFACE	B-76		0.000	
C3.20	C-C	1N11-2MSA-24D-1PS-1	DEVICE N11-AD-1	SURFACE	B-77		0.000	
C5.51	C-F-2	1N11-2MSA-10C-SSR-3A	ELBOW TO PIPE	SURFACE	B-79	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-10C-SSR-3A	ELBOW TO PIPE	VOLUMETRIC	B-79		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSAR-10C-SSR-4	PIPE TO VALVE	SURFACE	B-79	137-H	0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSAR-10C-SSR-4	PIPE TO VALVE	VOLUMETRIC	B-79		0.594	10.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-14B-SSR-2	PIPE TO ELBOW	SURFACE	B-78	116-H	0.750	14.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N11-2MSA-14B-SSR-2	PIPE TO ELBOW	VOLUMETRIC	B-78		0.750	14.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N11-2MSA-24A-2	PIPE TO ELBOW	SURFACE	B-74	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24A-2	PIPE TO ELBOW	VOLUMETRIC	B-74		1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24A-10	ELBOW TO PIPE	SURFACE	B-74	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24A-14	ELBOW TO PIPE	SURFACE	B-74	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
C5.51	C-F-2	1N11-2MSA-24A-14	ELBOW TO PIPE	VOLUMETRIC	B-74		1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24B-7	ELBOW TO PIPE	SURFACE	B-75	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24B-7	ELBOW TO PIPE	VOLUMETRIC	B-75		1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24B-9	TEE TO PIPE	SURFACE	B-75	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24B-9	TEE TO PIPE	VOLUMETRIC	B-75		1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24B-17	TEE TO PIPE	SURFACE	B-75	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24B-17	TEE TO PIPE	VOLUMETRIC	B-75		1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24C-19	PIPE TO VALVE	SURFACE	B-76	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24C-19	PIPE TO VALVE	VOLUMETRIC	B-76		1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24D-2	PIPE TO ELBOW	SURFACE	B-77	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24D-2	PIPE TO ELBOW	VOLUMETRIC	B-77		1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24D-6	PIPE TO ELBOW	SURFACE	B-77	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24D-6	PIPE TO ELBOW	VOLUMETRIC	B-77		1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24D-14	PIPE TO TEE	SURFACE	B-77	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B
C5.51	C-F-2	1N11-2MSA-24D-14	PIPE TO TEE	VOLUMETRIC	B-77		1.219	24.000" Sch. 80 SA-106, Gr. B
C5.81	C-F-2	1N11-2MSA-24C-16BC	PIPE TO BRANCH	SURFACE	B-76	147-H	1.219	24.000" Sch. 80 SA-106, Gr. B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
			CONNECTION					B
C5.81	C-F-2	1N11-2MSA-24C-16BC	PIPE TO BRANCH CONNECTION	VOLUMETRIC	B-76		1.219	24.000" Sch. 80 SA-106, Gr. B
C3.20	C-C	1N37-2TSB-16A-5PS-1	DEVICE N11-TBH-32	SURFACE	B-80		0.000	
C3.20	C-C	1N37-2TSB-16B-5PS	DEVICE N11-TBH-22	SURFACE	B-81		0.000	
C5.51	C-F-2	1N37-2TSB-16A-4	PIPE TO ELBOW	SURFACE	B-80	82-H	0.844	16.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N37-2TSB-16A-4	PIPE TO ELBOW	VOLUMETRIC	B-80		0.844	16.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N37-2TSB-16A-5	ELBOW TO PIPE	SURFACE	B-80	82-H	0.844	16.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N37-2TSB-16A-5	ELBOW TO PIPE	VOLUMETRIC	B-80		0.844	16.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N37-2TSB-16AB-6	PIPE TO TEE	SURFACE	B-80	82-H	0.844	16.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N37-2TSB-16AB-6	PIPE TO TEE	VOLUMETRIC	B-80		0.844	16.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N37-2TSB-16B-8	ELBOW TO PIPE	SURFACE	B-81	82-H	0.844	16.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N37-2TSB-16B-8	ELBOW TO PIPE	VOLUMETRIC	B-81		0.844	16.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N37-2TSB-16B-9	PIPE TO ELBOW	SURFACE	B-81	82-H	0.844	16.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N37-2TSB-16B-9	PIPE TO ELBOW	VOLUMETRIC	B-81		0.844	16.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N37-2TSB-16B-10	ELBOW TO PIPE	SURFACE	B-81	82-H	0.844	16.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N37-2TSB-16B-10	ELBOW TO PIPE	VOLUMETRIC	B-81		0.844	16.000" Sch. 80 SA-106, Gr.B

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
C5.51	C-F-2	1N37-2TSB-16BD-2	PIPE TO ELBOW	SURFACE	B-81	82-H	0.844	16.000" Sch. 80 SA-106, Gr.B
C5.51	C-F-2	1N37-2TSB-16BD-2	PIPE TO ELBOW	VOLUMETRIC	B-81		0.844	16.000" Sch. 80 SA-106, Gr.B
C3.20	C-C	1T48-2CPI-6-SVD-5PS-1	DEVICE T48-CPH-35	SURFACE	B-30		0.000	
C3.20	C-C	1T48-2CPI-6-SVD-8PS-1	DEVICE T48-CPH-55	SURFACE	B-30		0.000	
C3.20	C-C	1T48-2CPI-18-POD-1	PENETRATION TO PIPE	SURFACE	B-29		0.000	
C5.51	C-F-2	1T48-2CPI-18-PID-2	ELBOW TO ELBOW	SURFACE	B-27	42-H	0.375	18.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1T48-2CPI-18-PID-2	ELBOW TO ELBOW	VOLUMETRIC	B-27		0.375	18.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1T48-2CPI-18-PID-5	FLANGE TO PIPE	SURFACE	B-27	42-H	0.375	18.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1T48-2CPI-18-PID-5	FLANGE TO PIPE	VOLUMETRIC	B-27		0.375	18.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1T48-2CPI-18-PIT-2	PIPE TO FLANGE	SURFACE	B-26	42-H	0.375	18.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1T48-2CPI-18-PIT-2	PIPE TO FLANGE	VOLUMETRIC	B-26		0.375	18.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1T48-2CPI-18-POT-4	PIPE TO FLANGE	SURFACE	B-28	42-H	0.375	18.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1T48-2CPI-18-POT-4	PIPE TO FLANGE	VOLUMETRIC	B-28		0.375	18.000" SA-106, Gr.B (0.375" Nom. Wall)
C5.51	C-F-2	1T48-2CPI-20-PIT-8	ELBOW TO PIPE	SURFACE	B-26	57-H	0.375	20.000" SA-333, Gr.6 (0.375" Nom. Wall)
C5.51	C-F-2	1T48-2CPI-20-PIT-8	ELBOW TO PIPE	VOLUMETRIC	B-26		0.375	20.000" SA-333, Gr.6 (0.375" Nom. Wall)
--	--	1G31-3RWCU-4-D-10	ELBOW TO PIPE	VOL-AUG	C-115	145-H	0.337	04.000" Sch. 80s SA-312, Tp

HATCH Unit 1 Third Interval Exams

ASME Item	ASME Cat.	Weld	Area	Exam Method	Figure No.	Cal. Block	Thick	Material
--	--	1G31-3RWCU-4-R-5	PIPE TO ELBOW	VOL-AUG	C-116	145-H	0.337	04.000" Sch. 80s SA-312, Tp 304
--	--	1G31-3RWCU-4-R-20	ELBOW TO PIPE	VOL-AUG	C-116	145-H	0.337	04.000" Sch. 80s SA-312, Tp 304
--	--	1G31-3RWCU-4-R-34	PIPE TO ELBOW	VOL-AUG	C-117	145-H	0.337	04.000" Sch. 80s SA-312, Tp 304
--	--	1G31-3RWCU-5-AS-1	REDUCER TO PIPE	VOL-AUG	C-109	153-H	0.375	5.000" Sch. 80S SA-312, Tp 304SS
--	--	1G31-3RWCU-6-D-2	PIPE TO ELBOW	VOL-AUG	C-108	133-H	0.432	06.000" Sch. 80 SA-358 Gr. TP316NG
--	--	1G31-3RWCU-6-D-7	ELBOW TO PIPE	VOL-AUG	C-108	133-H	0.432	06.000" Sch. 80 SA-358 Gr. TP316NG

FOR INFORMATION ONLY

Hatch Unit 1 Third Interval Exams

<u>ASME Cat</u>	<u>ASME Item</u>	<u>Hanger</u>	<u>Hanger Type</u>	<u>Figure Number</u>
F-A	NOTE S-1	1B11-A001-S01	REACTOR VESSEL	1B11-SK1
F-A	NOTE S-1	1B21-FDH-4	SPRING	A-9
F-A	NOTE S-1	1B21-FDH-7	SPRING	A-13
F-A	NOTE S-1	1B21-FDH-8	SPRING	A-8
F-A	NOTE S-1	1B21-FDH-11	HYDRAULIC SNUBBER	A-9
F-A	NOTE S-1	1B21-FDH-13	MECH SNUBBER	A-11
F-A	NOTE S-1	1B21-FDH-21	MECH SNUBBER	A-11
F-A	NOTE S-1	1B21-FDH-25	HYDRAULIC SNUBBER	A-13
F-A	NOTE S-1	1B21-FDH-26	HYDRAULIC SNUBBER	A-13
F-A	NOTE S-1	1B21-GA1	RESTRAINT	A-4A
F-A	NOTE S-1	1B21-GB1	RESTRAINT	A-5A
F-A	NOTE S-1	1B21-HC3	SPRING	A-6
F-A	NOTE S-1	1B21-HD3	SPRING	A-7
F-A	NOTE S-1	1B21-SS1	HYDRAULIC SNUBBER	A-4
F-A	NOTE S-1	1B21-SS6	HYDRAULIC SNUBBER	A-5
F-A	NOTE S-1	1B21-SS24	HYDRAULIC SNUBBER	A-6
F-A	NOTE S-1	1B31-HA1	SPRING	A-14
F-A	NOTE S-1	1B31-HA4	SPRING	A-16
F-A	NOTE S-1	1B31-HB1	SPRING	A-15
F-A	NOTE S-1	1B31-HB2	SPRING	A-15B
F-A	NOTE S-1	1B31-SSA1	HYDRAULIC SNUBBER	A-14A
F-A	NOTE S-1	1B31-SSA3	HYDRAULIC SNUBBER	A-14A
F-A	NOTE S-1	1B31-SSA7	MECH SNUBBER	A-14
F-A	NOTE S-1	1B31-SSA13	HYDRAULIC SNUBBER	A-14B
F-A	NOTE S-1	1B31-SSB2	HYDRAULIC SNUBBER	A-15A
F-A	NOTE S-1	1B31-SSB3	HYDRAULIC SNUBBER	A-15A
F-A	NOTE S-1	1E11-RHRH-137	SPRING	A-21

Hatch Unit 1 Third Interval Exams

<u>ASME Cat</u>	<u>ASME Item</u>	<u>Hanger</u>	<u>Hanger Type</u>	<u>Figure Number</u>
F-A	NOTE S-1	1E11-RHRH-139	SPRING	A-21
F-A	NOTE S-1	1E11-RHRH-143	SPRING	A-22
F-A	NOTE S-1	1E11-RHRH-813	RESTRAINT	A-23
F-A	NOTE S-1	1E11-S2	HYDRAULIC SNUBBER	A-21
F-A	NOTE S-1	1E11-SM-1	HYDRAULIC SNUBBER	A-22
F-A	NOTE S-1	1E11-SM-3	HYDRAULIC SNUBBER	A-23
F-A	NOTE S-1	1E11-X-13B	ANCHOR	A-22
F-A	NOTE S-1	1E21-CSH-39	SPRING	A-26
F-A	NOTE S-1	1E21-CSH-802	RESTRAINT	A-27
F-A	NOTE S-1	1E21-CSH-82	HANGER	A-26
F-A	NOTE S-1	1E21-X-16B	ANCHOR	A-27
F-A	NOTE S-1	1E41-HPCIH-29A	RESTRAINT	A-29
F-A	NOTE S-1	1E41-HPCIH-31	RESTRAINT	A-29
F-A	NOTE S-1	1E41-HPSEH-52	SPRING	A-28
F-A	NOTE S-1	1E41-SS-22	HYDRAULIC SNUBBER	A-28
F-A	NOTE S-1	1E41-SS-8	HYDRAULIC SNUBBER	A-28
F-A	NOTE S-1	1E41-UI 2	ANCHOR	A-28
F-A	NOTE S-1	1E51-RCIC-H705	MECH SNUBBER	A-31
F-A	NOTE S-1	1E51-RCSEH-19	SPRING	A-30
F-A	NOTE S-1	1G31-RWCUH-2	RESTRAINT	A-32
F-A	NOTE S-1	1G31-RWCUH-3	SPRING	A-32
F-A	NOTE S-1	1G31-SM-5	MECH SNUBBER	A-32
F-A	NOTE S-1	1G31-SM-7	HYDRAULIC SNUBBER	A-32
F-A	NOTE S-1	1G31-X-14	ANCHOR	A-32
F-A	NOTE S-1	1C11-C11-CRD-H2	HANGER	B-85
F-A	NOTE S-1	1C11-C11-CRD-H12	HANGER	B-85
F-A	NOTE S-1	1C11-C11-CRD-H16	SUPPORT	B-84

Hatch Unit 1 Third Interval Exams

<u>ASME Cat</u>	<u>ASME Item</u>	<u>Hanger</u>	<u>Hanger Type</u>	<u>Figure Number</u>
F-A	NOTE S-1	1C11-C11-CRD-H19	RESTRAINT	B-84
F-A	NOTE S-1	1C11-C11-CRD-H22	SPRING	B-84
F-A	NOTE S-1	1C11-C11-CRD-H23	RESTRAINT	B-84
F-A	NOTE S-1	1C11-C11-CRD-H24	ANCHOR	B-84
F-A	NOTE S-1	1C41-A001-S01	TANK	1C41-SK2
F-A	NOTE S-1	1C41-C001A-S01	PUMP	1C41-SK3
F-A	NOTE S-1	1E11-B001A-S01	HT EXCH	1E11-SK4
F-A	NOTE S-1	1E11-C002A-S01	PUMP	1E11-SK5
F-A	NOTE S-1	1E11-RHRH-39	SPRING	B-44
F-A	NOTE S-1	1E11-RHRH-4	SPRING	B-36
F-A	NOTE S-1	1E11-RHRH-11	SUPPORT	B-38
F-A	NOTE S-1	1E11-RHRH-18	ANCHOR	B-41
F-A	NOTE S-1	1E11-RHRH-22	SPRING	B-35
F-A	NOTE S-1	1E11-RHRH-37	SPRING	B-43
F-A	NOTE S-1	1E11-RHRH-53	HANGER	B-46
F-A	NOTE S-1	1E11-RHRH-69	HANGER	B-61
F-A	NOTE S-1	1E11-RHRH-77	HANGER	B-65
F-A	NOTE S-1	1E11-RHRH-89	HANGER	B-63
F-A	NOTE S-1	1E11-RHRH-119	RESTRAINT	B-88C
F-A	NOTE S-1	1E11-RHRH-125	RESTRAINT	B-47
F-A	NOTE S-1	1E11-RHRH-181	SPRING	B-49A
F-A	NOTE S-1	1E11-RHRH-182	RESTRAINT	B-49A
F-A	NOTE S-1	1E11-RHRH-183	RESTRAINT	B-49A
F-A	NOTE S-1	1E11-RHRH-194	RESTRAINT	B-41
F-A	NOTE S-1	1E11-RHRH-200	RESTRAINT	B-41
F-A	NOTE S-1	1E11-RHRH-218	HYDRAULIC SNUBBER	B-58
F-A	NOTE S-1	1E11-RHRH-219	RESTRAINT	B-46

Hatch Unit 1 Third Interval Exams

<u>ASME Cat</u>	<u>ASME Item</u>	<u>Hanger</u>	<u>Hanger Type</u>	<u>Figure Number</u>
F-A	NOTE S-1	1E11-RHRH-224	HYDRAULIC SNUBBER	B-46
F-A	NOTE S-1	1E11-RHRH-226	HYDRAULIC SNUBBER	B-46
F-A	NOTE S-1	1E11-RHRH-239	HYDRAULIC SNUBBER	B-52
F-A	NOTE S-1	1E11-RHRH-249	HYDRAULIC SNUBBER	B-63
F-A	NOTE S-1	1E11-RHRH-254	HYDRAULIC SNUBBER	B-65
F-A	NOTE S-1	1E11-RHRH-268	ANCHOR	B-88C
F-A	NOTE S-1	1E11-RHRH-270	RESTRAINT	B-88C
F-A	NOTE S-1	1E11-RHRH-271	RESTRAINT	B-47
F-A	NOTE S-1	1E11-RHRH-308	RESTRAINT	B-35
F-A	NOTE S-1	1E11-RHRH-319	MECH SNUBBER	B-50
F-A	NOTE S-1	1E11-RHRH-324	MECH SNUBBER	B-38
F-A	NOTE S-1	1E11-RHRH-325	MECH SNUBBER	B-38
F-A	NOTE S-1	1E11-RHRH-326	RESTRAINT	B-38
F-A	NOTE S-1	1E11-RHRH-367	RESTRAINT	B-45A
F-A	NOTE S-1	1E11-RHRH-376	RESTRAINT	B-54
F-A	NOTE S-1	1E11-RHRH-383	RESTRAINT	B-49A
F-A	NOTE S-1	1E11-RHRH-384	RESTRAINT	B-49A
F-A	NOTE S-1	1E11-RHRH-397	SPRING	B-52
F-A	NOTE S-1	1E11-RHRH-720	HANGER	B-39
F-A	NOTE S-1	1E11-RHRH-722	MECH SNUBBER	B-51
F-A	NOTE S-1	1E11-RHRH-724	MECH SNUBBER	B-73
F-A	NOTE S-1	1E11-RHRH-727	SPRING	B-57
F-A	NOTE S-1	1E11-RHRH-735	MECH SNUBBER	B-73
F-A	NOTE S-1	1E11-RHRH-738	SPRING	B-58A
F-A	NOTE S-1	1E11-X-211B	ANCHOR	B-65
F-A	NOTE S-1	1E21-C001A-S01	PUMP	1E21-SK6
F-A	NOTE S-1	1E21-CSH-10	SUPPORT	B-1

Hatch Unit 1 Third Interval Exams

<u>ASME Cat</u>	<u>ASME Item</u>	<u>Hanger</u>	<u>Hanger Type</u>	<u>Figure Number</u>
F-A	NOTE S-1	1E21-CSH-18	SPRING	B-2
F-A	NOTE S-1	1E21-CSH-30	HANGER	B-9
F-A	NOTE S-1	1E21-CSH-42	HANGER	B-2
F-A	NOTE S-1	1E21-CSH-43	RESTRAINT	B-1
F-A	NOTE S-1	1E21-CSH-54	HANGER	B-7
F-A	NOTE S-1	1E21-CSH-55	RESTRAINT	B-7
F-A	NOTE S-1	1E21-CSH-57	HYDRAULIC SNUBBER	B-7
F-A	NOTE S-1	1E21-CSH-59	RESTRAINT	B-8
F-A	NOTE S-1	1E21-CSH-60	ANCHOR	B-7
F-A	NOTE S-1	1E21-CSH-61	RESTRAINT	B-9
F-A	NOTE S-1	1E21-CSH-74	RESTRAINT	B-4
F-A	NOTE S-1	1E21-CSH-9	SPRING	B-1
F-A	NOTE S-1	1E41-C001-S01	PUMP	1E41-SK7
F-A	NOTE S-1	1E41-HPCIH-1	ANCHOR	B-13A
F-A	NOTE S-1	1E41-HPCIH-4	RESTRAINT	B-13A
F-A	NOTE S-1	1E41-HPCIH-12	RESTRAINT	B-10
F-A	NOTE S-1	1E41-HPCIH-13A	RESTRAINT	B-10
F-A	NOTE S-1	1E41-HPCIH-16	HANGER	B-12
F-A	NOTE S-1	1E41-HPCIH-26	RESTRAINT	B-11
F-A	NOTE S-1	1E41-HPCIH-27	RESTRAINT	B-11
F-A	NOTE S-1	1E41-HPCIH-701	SPRING	B-10
F-A	NOTE S-1	1E41-HPSEH-1	MECH SNUBBER	B-14
F-A	NOTE S-1	1E41-HPSEH-6	RESTRAINT	B-15
F-A	NOTE S-1	1E41-HPSEH-7	HANGER	B-15
F-A	NOTE S-1	1E41-HPSEH-14	HANGER	B-16
F-A	NOTE S-1	1E41-HPSEH-15	RESTRAINT	B-16
F-A	NOTE S-1	1E41-HPSEH-19	HANGER	B-22

Hatch Unit 1 Third Interval Exams

<u>ASME Cat</u>	<u>ASME Item</u>	<u>Hanger</u>	<u>Hanger Type</u>	<u>Figure Number</u>
F-A	NOTE S-1	1E41-HPSEH-26	SPRING	B-57
F-A	NOTE S-1	1E41-HPSEH-29	RESTRAINT	B-18
F-A	NOTE S-1	1E41-HPSEH-32	SUPPORT	B-19
F-A	NOTE S-1	1E41-HPSEH-54	SPRING	B-20
F-A	NOTE S-1	1E41-HPSEH-63	HYDRAULIC SNUBBER	B-67
F-A	NOTE S-1	1E41-HPSEH-81	HYDRAULIC SNUBBER	B-69
F-A	NOTE S-1	1E41-HPSEH-89	HYDRAULIC SNUBBER	B-17
F-A	NOTE S-1	1E41-HPSEH-92	HYDRAULIC SNUBBER	B-57
F-A	NOTE S-1	1E41-HPSEH-93	HYDRAULIC SNUBBER	B-57
F-A	NOTE S-1	1E41-UI 6	HANGER	B-98
F-A	NOTE S-1	1E51-C001-S01	PUMP	1E51-SK8
F-A	NOTE S-1	1E51-RCICH-10	RESTRAINT	B-88A
F-A	NOTE S-1	1E51-RCICH-11	RESTRAINT	B-88A
F-A	NOTE S-1	1E51-RCICH-17	SUPPORT	B-89
F-A	NOTE S-1	1E51-RCICH-19	RESTRAINT	B-99
F-A	NOTE S-1	1E51-RCICH-22	HANGER	B-99
F-A	NOTE S-1	1E51-RCICH-700	MECH SNUBBER	B-89
F-A	NOTE S-1	1E51-RCICH-702	RESTRAINT	B-89
F-A	NOTE S-1	1E51-RCICH-801	ANCHOR	B-88A
F-A	NOTE S-1	1E51-RCSEH-8	SPRING	B-95
F-A	NOTE S-1	1E51-RCSEH-22	RESTRAINT	B-25
F-A	NOTE S-1	1E51-RCSEH-23	HYDRAULIC SNUBBER	B-25
F-A	NOTE S-1	1E51-RCSEH-24	RESTRAINT	B-95
F-A	NOTE S-1	1E51-RCSEH-705	MECH SNUBBER	B-96
F-A	NOTE S-1	1E51-RCSEH-719	MECH SNUBBER	B-24
F-A	NOTE S-1	1E51-RCSEH-723	RESTRAINT	B-96
F-A	NOTE S-1	1E51-RCSEH-807	SPRING	B-96

Hatch Unit 1 Third Interval Exams

<u>ASME Cat</u>	<u>ASME Item</u>	<u>Hanger</u>	<u>Hanger Type</u>	<u>Figure Number</u>
F-A	NOTE S-1	1G31-RWCUH-48	HANGER	B-83
F-A	NOTE S-1	1G51-TDP-R700	RESTRAINT	B-82
F-A	NOTE S-1	1N11-AB-1	ANCHOR	B-75
F-A	NOTE S-1	1N11-MSH-4	RESTRAINT	B-76
F-A	NOTE S-1	1N11-MSH-6	HYDRAULIC SNUBBER	B-76
F-A	NOTE S-1	1N11-MSH-7	RESTRAINT	B-76
F-A	NOTE S-1	1N11-MSH-10	SPRING	B-77
F-A	NOTE S-1	1N11-MSH-14	HYDRAULIC SNUBBER	B-77
F-A	NOTE S-1	1N11-MSH-31	HANGER	B-75
F-A	NOTE S-1	1N11-MSH-32	HANGER	B-75
F-A	NOTE S-1	1N11-MSH-57	SPRING	B-74
F-A	NOTE S-1	1N11-TBH-22	SUPPCRT	B-81
F-A	NOTE S-1	1N11-TBH-26	SUPPORT	B-80
F-A	NOTE S-1	1N11-TBH-32	HYDRAULIC SNUBBER	B-80
F-A	NOTE S-1	1N11-TBH-34	RESTRAINT	B-80
F-A	NOTE S-1	1T47-B007A-S01	COOLING UNIT	1T47-SK09
F-A	NOTE S-1	1T47-B008A-S01	COOLING UNIT	1T47-SK10
F-A	NOTE S-1	1T47-B009A-S01	COOLING UNIT	1T47-SK11
F-A	NOTE S-1	1T48-CPH-35	ANCHOR	B-30
F-A	NOTE S-1	1T48-CPH-36	HANGER	B-30
F-A	NOTE S-1	1T48-CPH-38	RESTRAINT	B-30
F-A	NOTE S-1	1T48-CPH-54	SPRING	B-27
F-A	NOTE S-1	1T48-CPH-55	HYDRAULIC SNUBBER	B-30
F-A	NOTE S-1	1T48-CPH-702	MECH SNUBBER	B-26
F-A	NOTE S-1	1B21-H821	RESTRAINT	C-84
F-A	NOTE S-1	1B21-H824	SPRING	C-83
F-A	NOTE S-1	1B21-MVVH-3	SPRING	C-80

Hatch Unit 1 Third Interval Exams

<u>ASME Cat</u>	<u>ASME Item</u>	<u>Hanger</u>	<u>Hanger Type</u>	<u>Figure Number</u>
F-A	NOTE S-1	1B21-R7-R8	RESTRAINT	C-83
F-A	NOTE S-1	1B21-SS-4	MECH SNUBBER	C-79
F-A	NOTE S-1	1B21-SS-14	MECH SNUBBER	C-80
F-A	NOTE S-1	1B21-SS-15	HYDRAULIC SNUBBER	C-83
F-A	NOTE S-1	1B21-SS-28	MECH SNUBBER	C-85
F-A	NOTE S-1	1B21-SS-45	HYDRAULIC SNUBBER	C-82
F-A	NOTE S-1	1B21-SS-H703	RESTRAINT	C-88
F-A	NOTE S-1	1E11-C001A-S01	PUMP	1E11-SK12
F-A	NOTE S-1	1E11-C001A-S02	PUMP	1E11-SK12
F-A	NOTE S-1	1E11-D002A-S01	STRAINER	1E11-SK13
F-A	NOTE S-1	1E11-D003A-S01	STRAINER	1E11-SK13
F-A	NOTE S-1	1E11-ISH-5	SUPPORT	C-1
F-A	NOTE S-1	1E11-ISH-9	RESTRAINT	C-2
F-A	NOTE S-1	1E11-ISH-11	RESTRAINT	C-2
F-A	NOTE S-1	1E11-ISH-18	HANGER	C-4
F-A	NOTE S-1	1E11-ISH-702	RESTRAINT	C-4
F-A	NOTE S-1	1E11-RHRH-99	HANGER	C-7
F-A	NOTE S-1	1E11-RHRH-109	SPRING	C-6
F-A	NOTE S-1	1E11-RHRH-110	SPRING	C-7
F-A	NOTE S-1	1E11-RHRH-114	HANGER	C-7
F-A	NOTE S-1	1E11-RHRH-286	HYDRAULIC SNUBBER	C-5
F-A	NOTE S-1	1E11-RHRH-297	ANCHOR	C-7
F-A	NOTE S-1	1E11-RHRH-344	MECH SNUBBER	C-6
F-A	NOTE S-1	1E11-RHRH-345	RESTRAINT	C-6
F-A	NOTE S-1	1G41-PCH-16	HANGER	C-98
F-A	NOTE S-1	1G41-PCH-18	SPRING	C-100
F-A	NOTE S-1	1G41-PCH-44	RESTRAINT	C-104

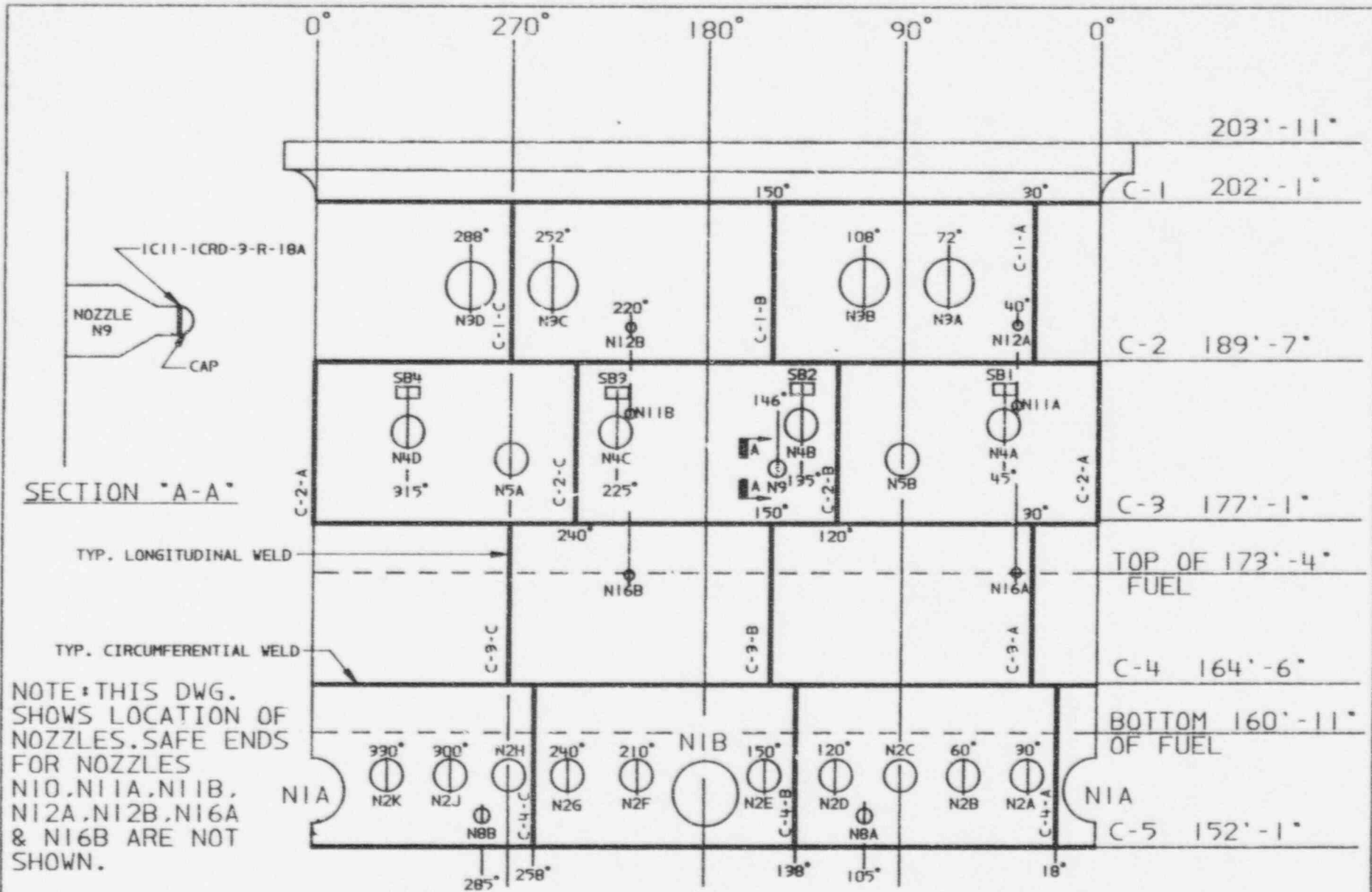
Hatch Unit 1 Third Interval Exams

<u>ASME Cat</u>	<u>ASME Item</u>	<u>Hanger</u>	<u>Hanger Type</u>	<u>Figure Number</u>
F-A	NOTE S-1	1G41-PCH-45	SUPPORT	C-104
F-A	NOTE S-1	1G41-PCH-9	HANGER	C-97
F-A	NOTE S-1	1G41-UI 13	LATER	C-100
F-A	NOTE S-1	1P41-C001A-S01	PUMP	1P41-SK14
F-A	NOTE S-1	1P41-C001A-S02	PUMP	1P41-SK14
F-A	NOTE S-1	1P41-D103A-S01	STRAINER	1P41-SK15
F-A	NOTE S-1	1P41-ISH-31	SUPPORT	C-11
F-A	NOTE S-1	1P41-ISH-53	RESTRAINT	C-8A
F-A	NOTE S-1	1P41-ISH-68	SUPPORT	C-10
F-A	NOTE S-1	1P41-SDGH-1	RESTRAINT	C-19
F-A	NOTE S-1	1P41-SDGH-3	RESTRAINT	C-19
F-A	NOTE S-1	1P41-SDGH-7	SPRING	C-18
F-A	NOTE S-1	1P41-SDGH-18	HANGER	C-17
F-A	NOTE S-1	1P41-SWH-85	HANGER	C-61
F-A	NOTE S-1	1P41-SWH-86	ANCHOR	C-52
F-A	NOTE S-1	1P41-SWH-95	RESTRAINT	C-66A
F-A	NOTE S-1	1P41-SWH-269	RESTRAINT	C-39
F-A	NOTE S-1	1P41-SWH-290	ANCHOR	C-36
F-A	NOTE S-1	1P41-SWH-800B	RESTRAINT	C-73
F-A	NOTE S-1	1P41-SWH-801A	HANGER	C-36
F-A	NOTE S-1	1T41-B002A-S01	RHR & CS PMP RM	1T41-SK16
F-A	NOTE S-1	1T41-B003A-S01	RHR & CS PMP RM	1T41-SK16
F-A	NOTE S-1	1T41-B005A-S01	HPCI PMP RM CLR	1T41-SK17

UNCONTROLLED

Hatch Unit 1 Class 1

A-1/04	A-16/04
A-1A/02	A-17/04
A-2/03	A-18/04
A-2A/03	A-19/04
A-3/03	A-20/03
A-4/06	A-21/05
A-4A/02	A-22/06
A-5/07	A-23/04
A-5A/02	A-24/07
A-6/07	A-25/04
A-6A/02	A-26/06
A-7/07	A-27/06
A-7A/02	A-28/06
A-8/08	A-29/06
A-9/07	A-29A/04
A-10/05	A-30/06
A-11/05	A-31/06
A-12/05	A-32/06
A-13/06	A-33/03
A-14/05	A-34/02
A-14A/01	A-35/02
A-14B/02	A-36/01
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A-15B/02	A-39/00

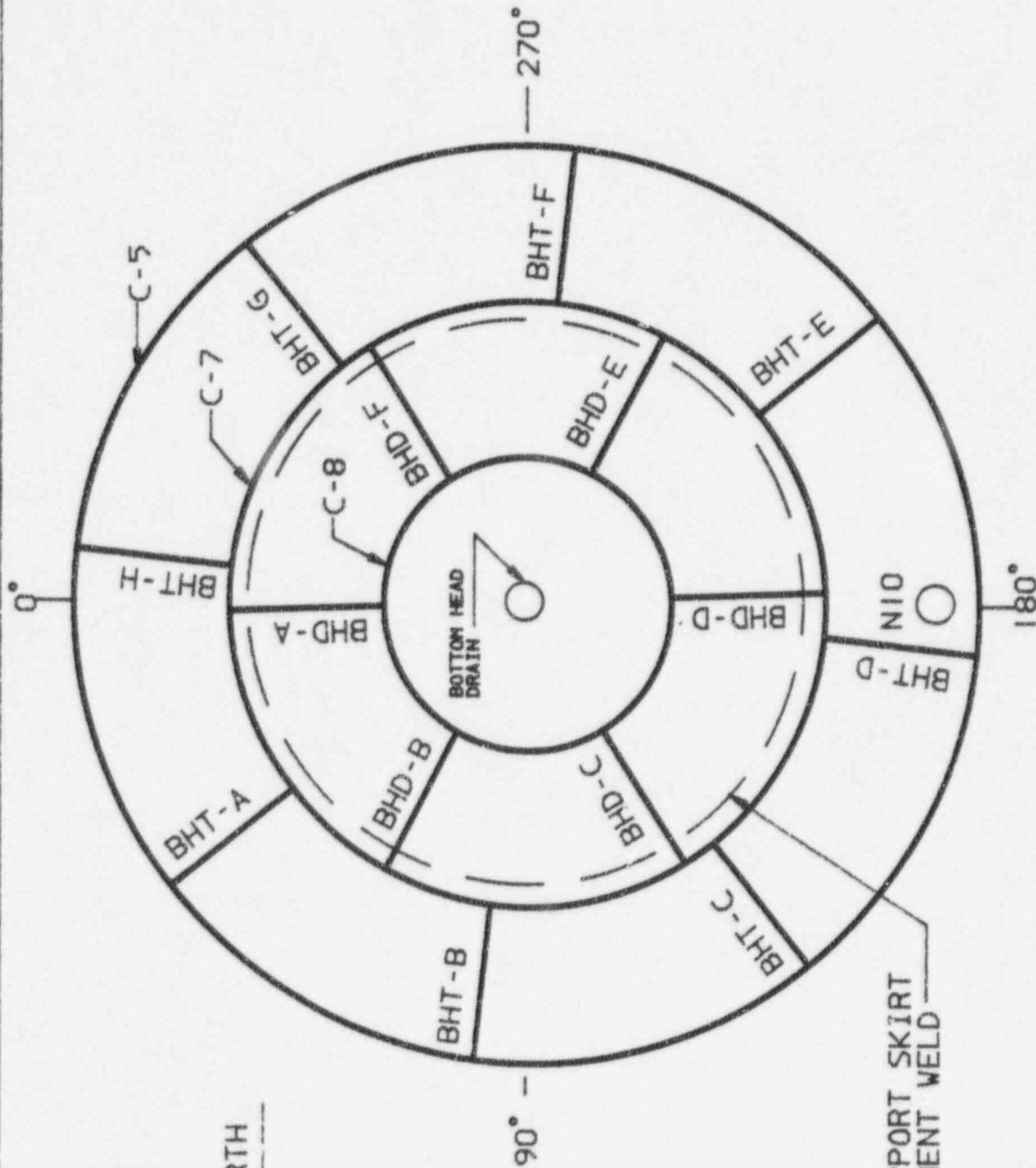


EDWIN I. HATCH UNIT 1
 RPV LONGITUDINAL, CIRCUMFERENTIAL
 AND NOZZLE TO VESSEL WELDS
 FIGURE A-1

4	3-10-87	BKG	<i>CWD</i>	MB
REV.	DATE	BY	CHK'D	APPR. 1



PLANT NORTH



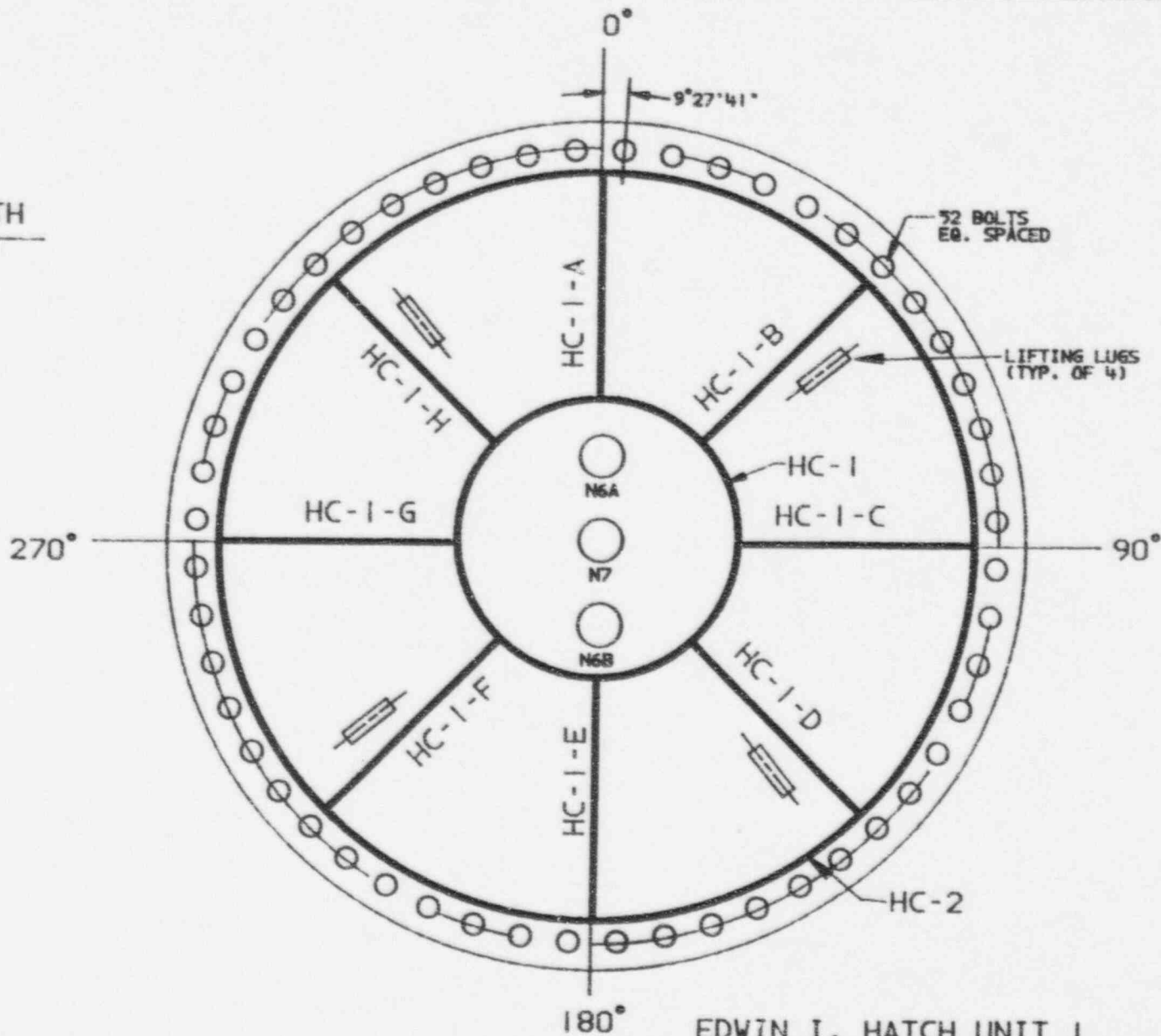
C-6 SUPPORT SKIRT ATTACHMENT WELD

EDWIN I. HATCH UNIT 1
 RPV BOTTOM HEAD MERIDIONAL,
 CIRCUMFERENTIAL AND NOZZLE WELDS
 FIGURE A-1A

REV.	DATE	BY	CHK'D	APPR.
2	8-10-87	BKG	CWJ	MB



PLANT NORTH

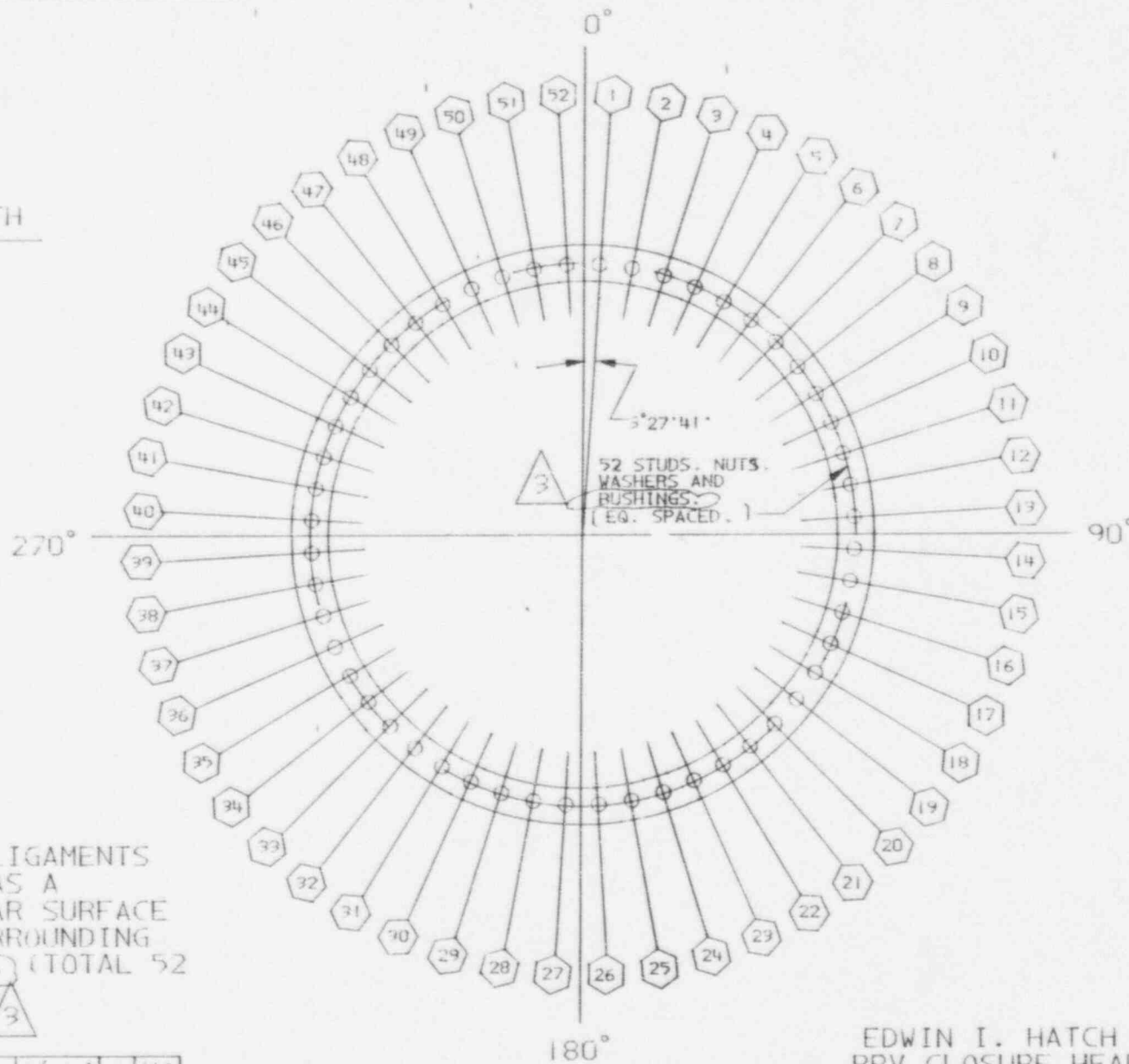


EDWIN I. HATCH UNIT 1
RPV CLOSURE HEAD MERIDIONAL,
CIRCUMFERENTIAL AND NOZZLE-TO-HEAD WELDS
FIGURE A-2

3	8-10-87	BKG	CW	MB
REV.	DATE	BY	CHK'D	APPR. 1



PLANT NORTH



NOTE: FLANGE LIGAMENTS ARE DEFINED AS A 1 INCH ANNULAR SURFACE OF FLANGE SURROUNDING EACH BUSHING. (TOTAL 52 LIGAMENTS)



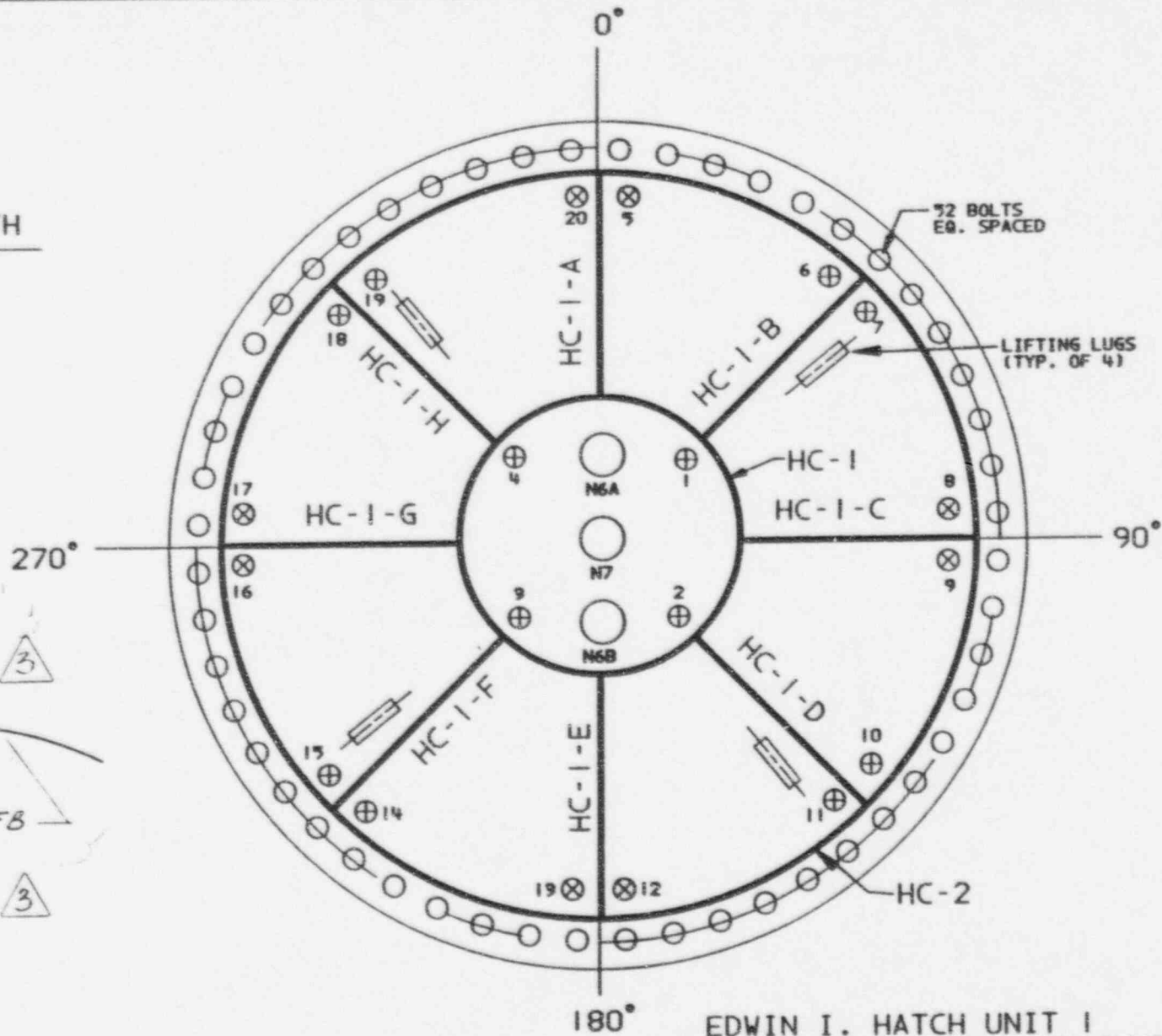
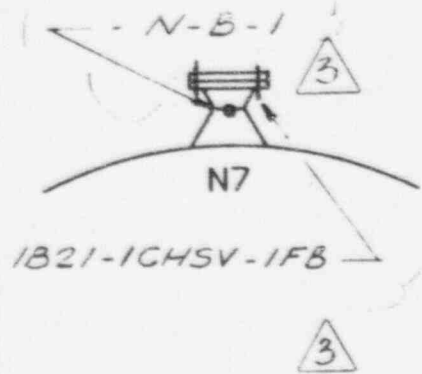
EDWIN I. HATCH UNIT 1
RPV CLOSURE HEAD STUD,
WASHER, FLANGE LIGAMENT
& NUT IDENTIFICATION

FIGURE A-2A

3	11-2-87	WS	KFW	JHC
2	8-10-87	BKG	CWD	MB
REV.	DATE	BY	CHK'D	APPR. 1



PLANT NORTH



EDWIN I. HATCH UNIT I
 LOCATION OF ULTRASONIC THICKNESS
 MEASUREMENTS OF THE RPV CLOSURE HEAD
 FIGURE A-3

3	9/27/93	WS	XLS	WC
2	8-10-87	BKG	CWA	MB
REV.	DATE	BY	CHK'D	APPR. 1

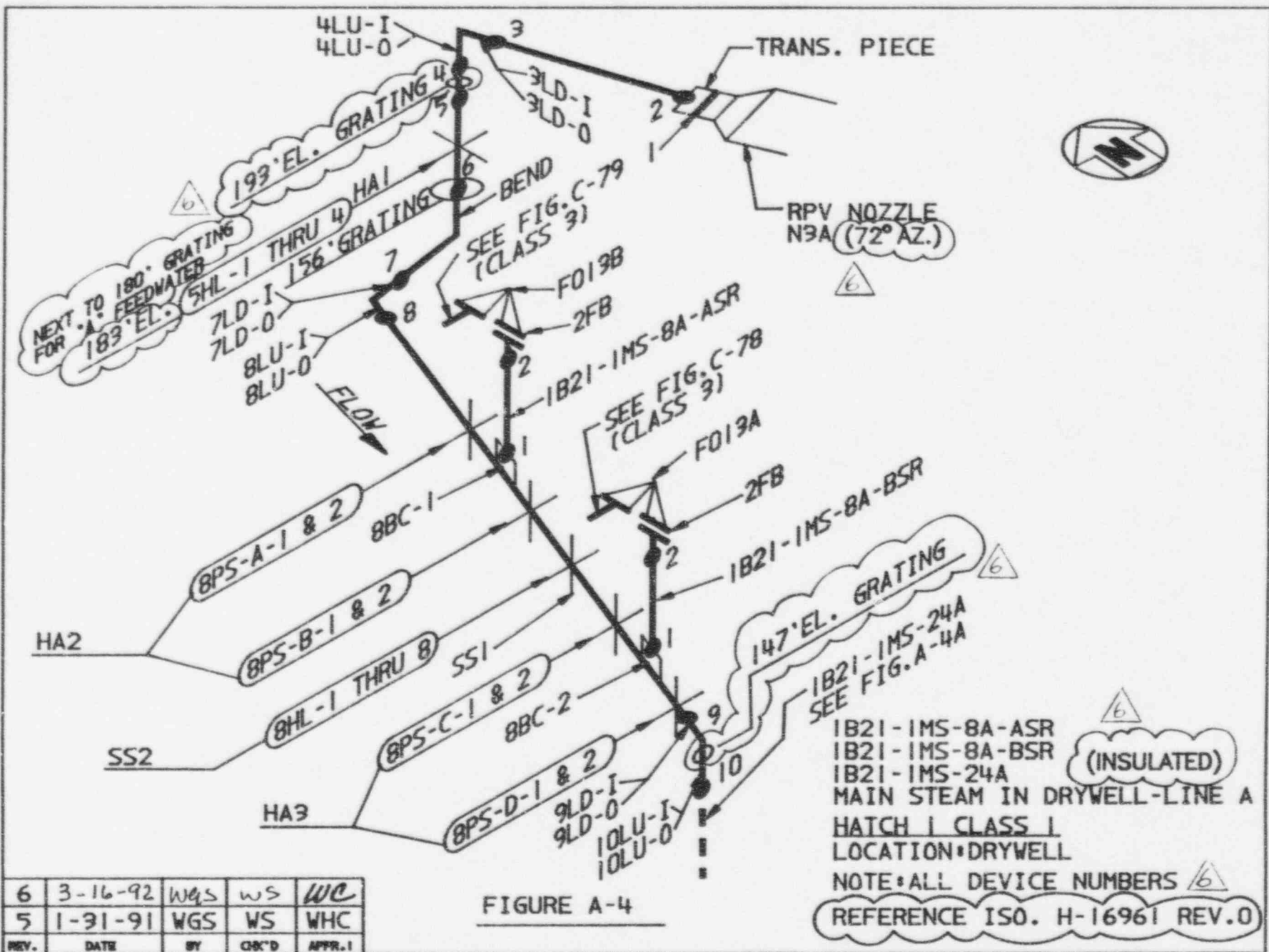


FIGURE A-4

6	3-16-92	WGS	WS	WC
5	1-31-91	WGS	WS	WHC
REV.	DATE	BY	CHK'D	APPR.1

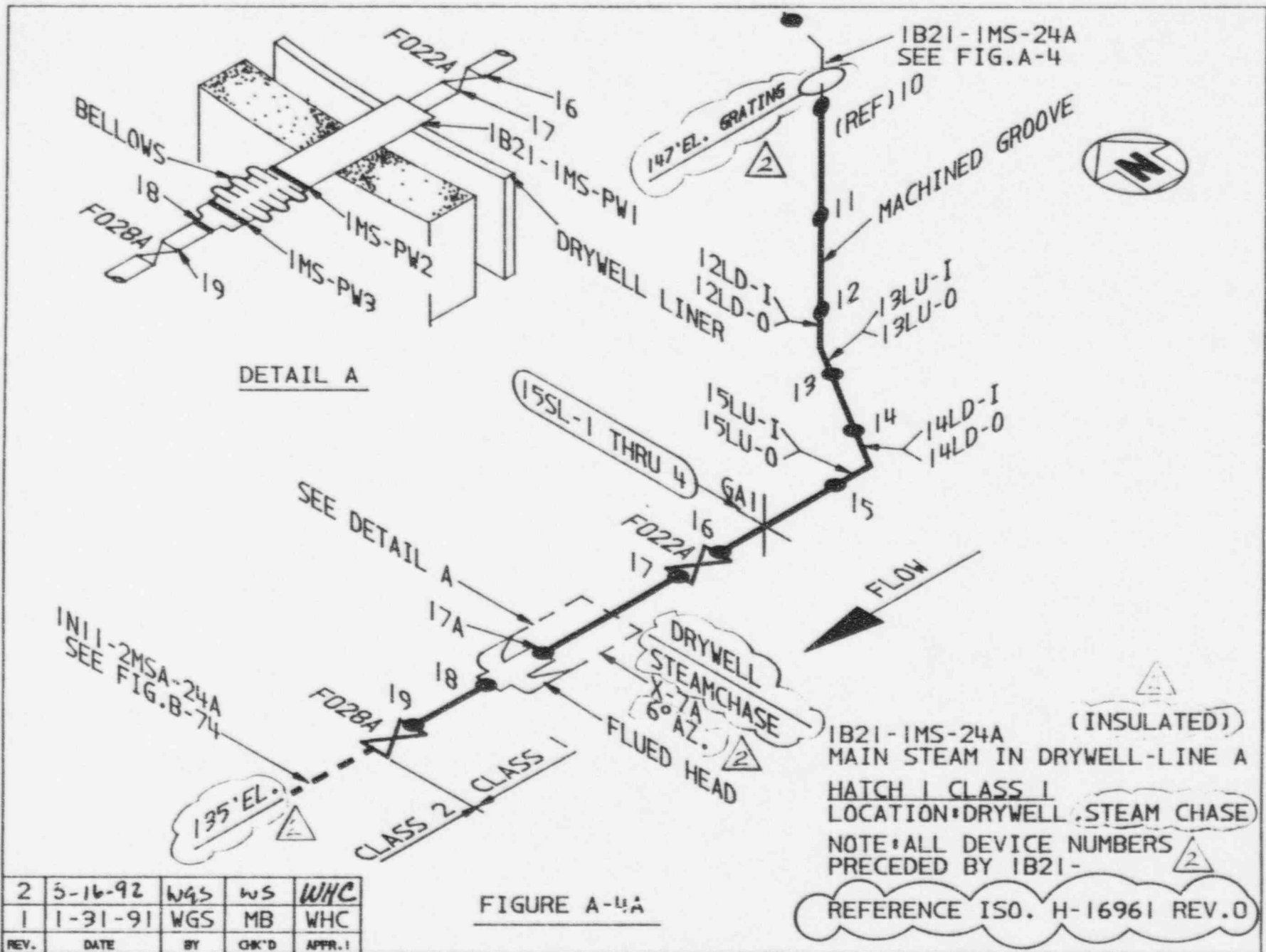
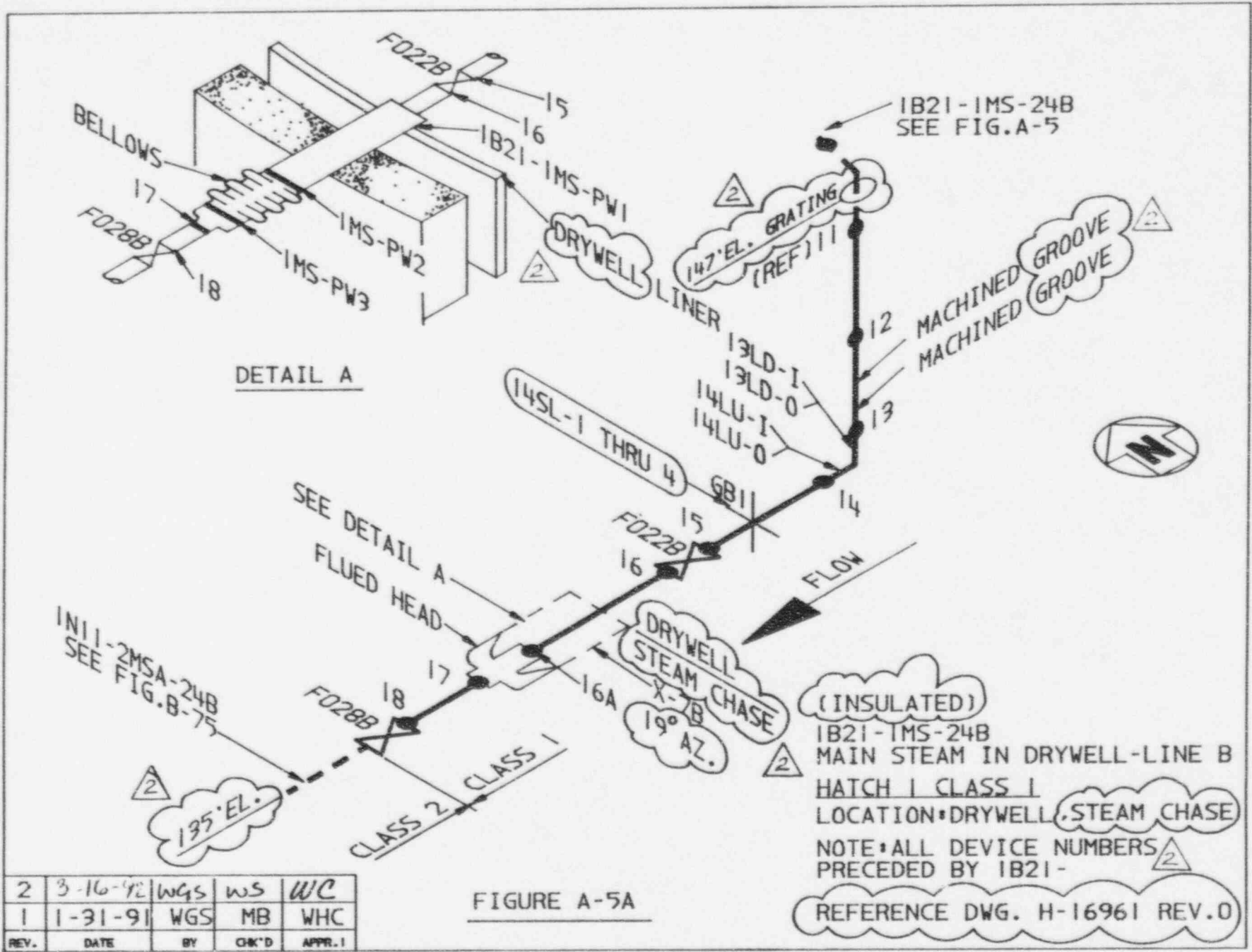
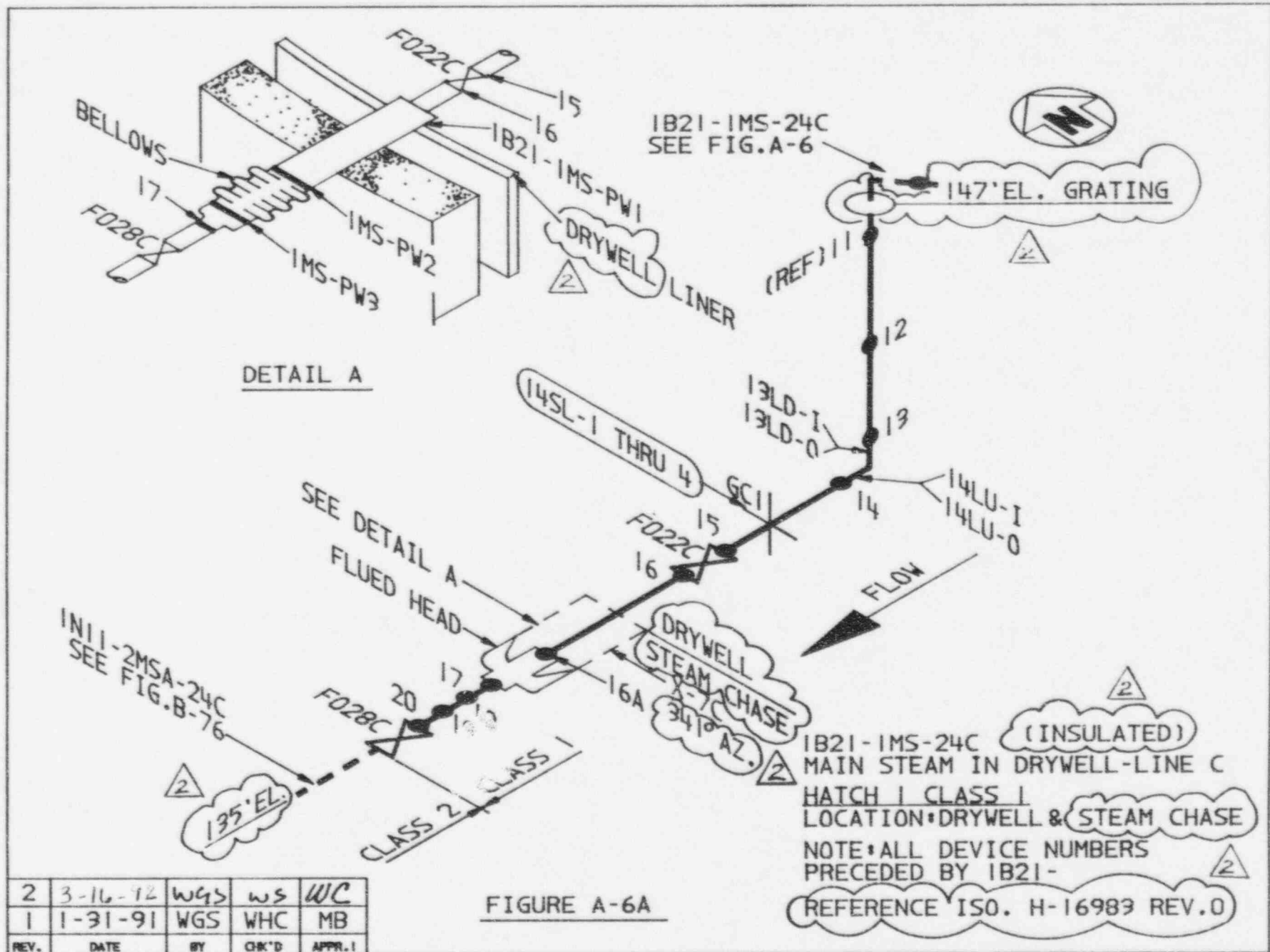


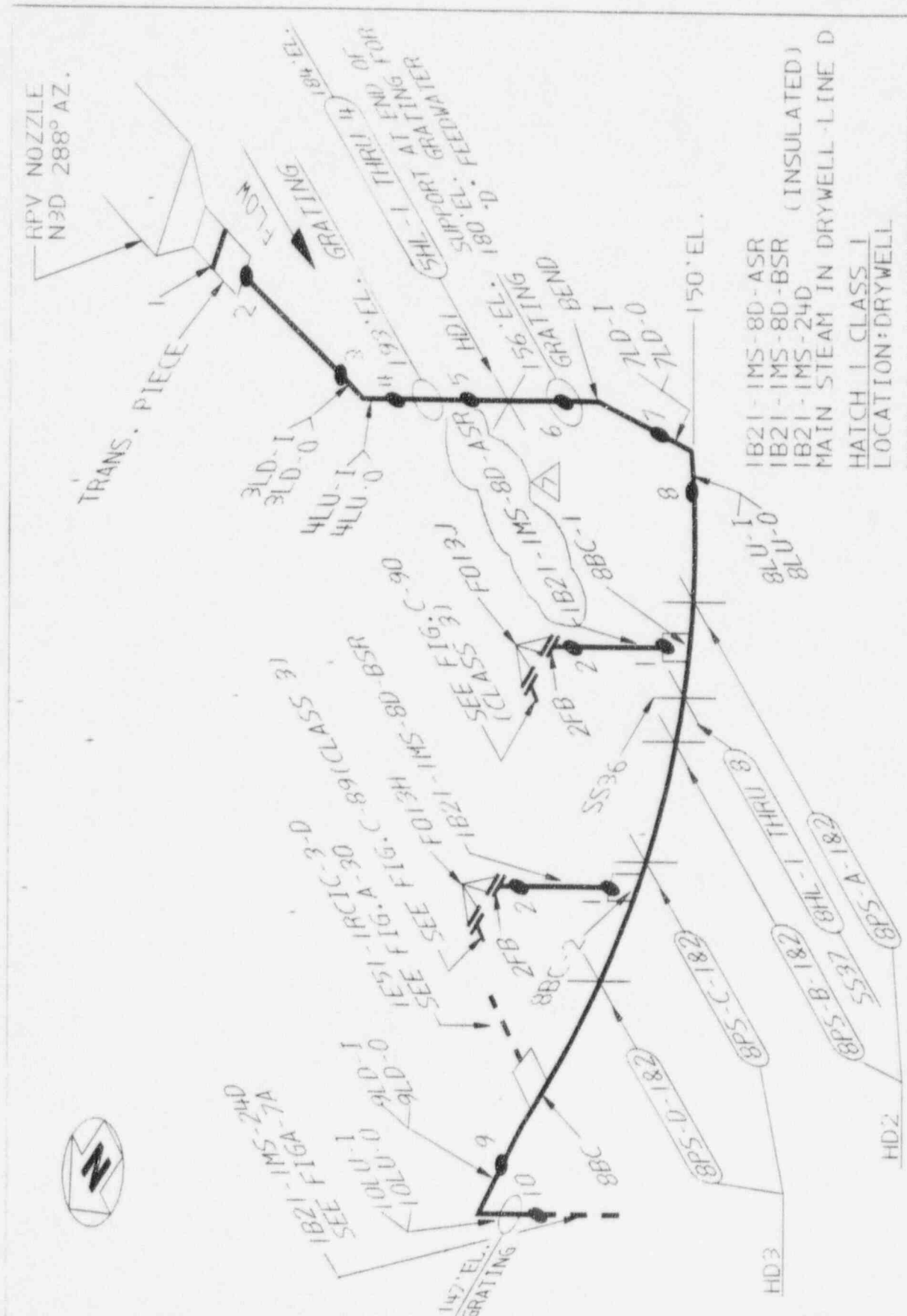
FIGURE A-4A

2	5-16-92	WGS	WS	WHC
1	1-31-91	WGS	MB	WHC
REV.	DATE	BY	CHK'D	APPR. 1



2	3-16-92	WGS	WS	WC
1	1-31-91	WGS	MB	WHC
REV.	DATE	BY	CHK'D	APPR. 1

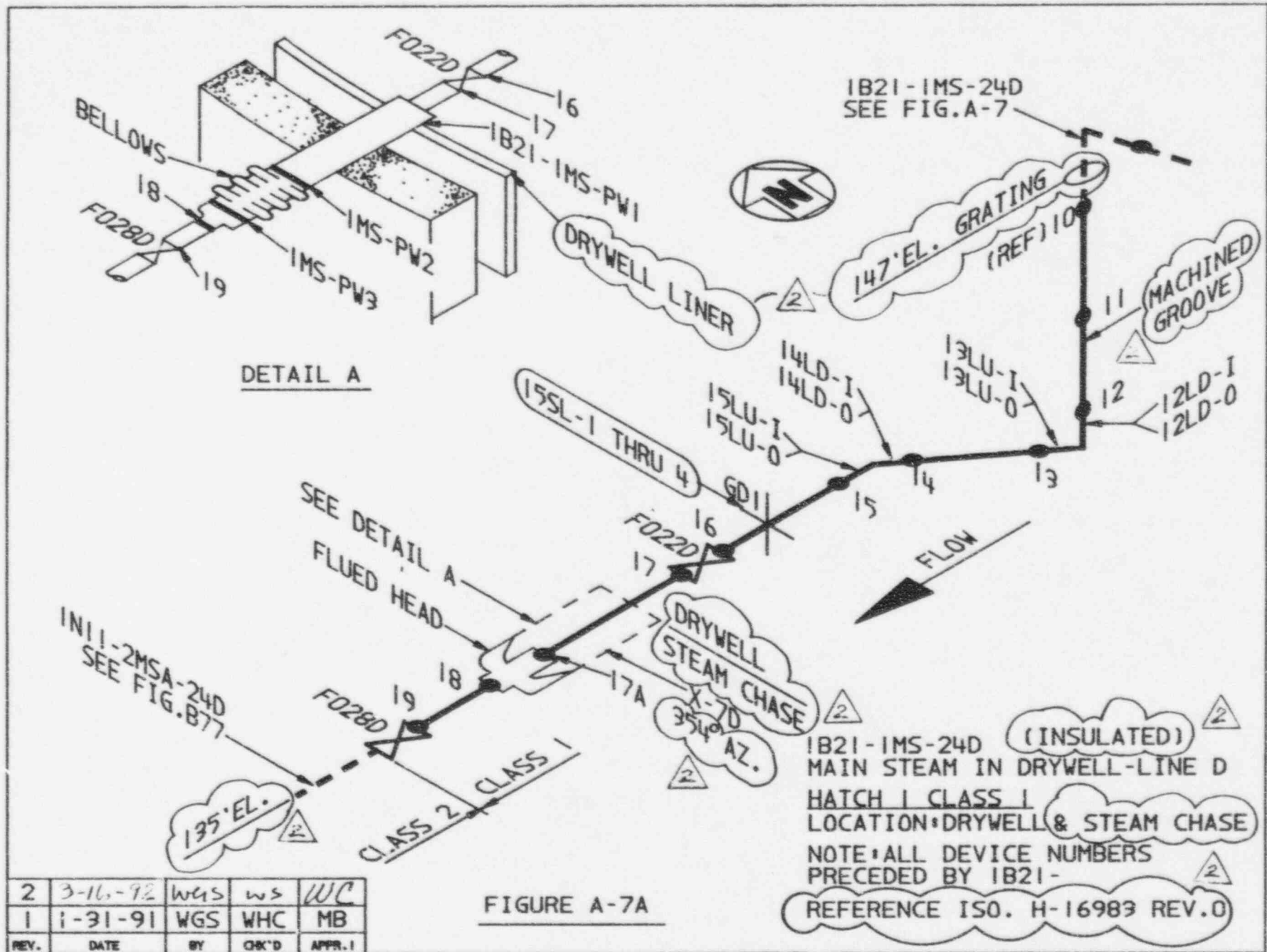




IB21-IMS-8D-ASR
 IB21-IMS-8D-BSR (INSULATED)
 IB21-IMS-24D
 MAIN STEAM IN DRYWELL-LINE D
 HATCH 1 CLASS 1
 LOCATION: DRYWELL
 NOTE: ALL DEVICE NUMBERS PRECEDED BY IB21-
 REFERENCE ISO. H-16983 REV. 0

FIGURE A-7

REV.	DATE	BY	CHK'D	APPR. 1
6	3-16-92	WGS	WS	WC
7	7-21-94	WS	AKW	TIC



DETAIL A

SEE DETAIL A
FLUED HEAD

IN11-2MSA-24D
SEE FIG.B77

IB21-IMS-24D
SEE FIG.A-7

(INSULATED)
IB21-IMS-24D
MAIN STEAM IN DRYWELL-LINE D
HATCH 1 CLASS 1
LOCATION DRYWELL & STEAM CHASE
NOTE ALL DEVICE NUMBERS
PRECEDED BY IB21-

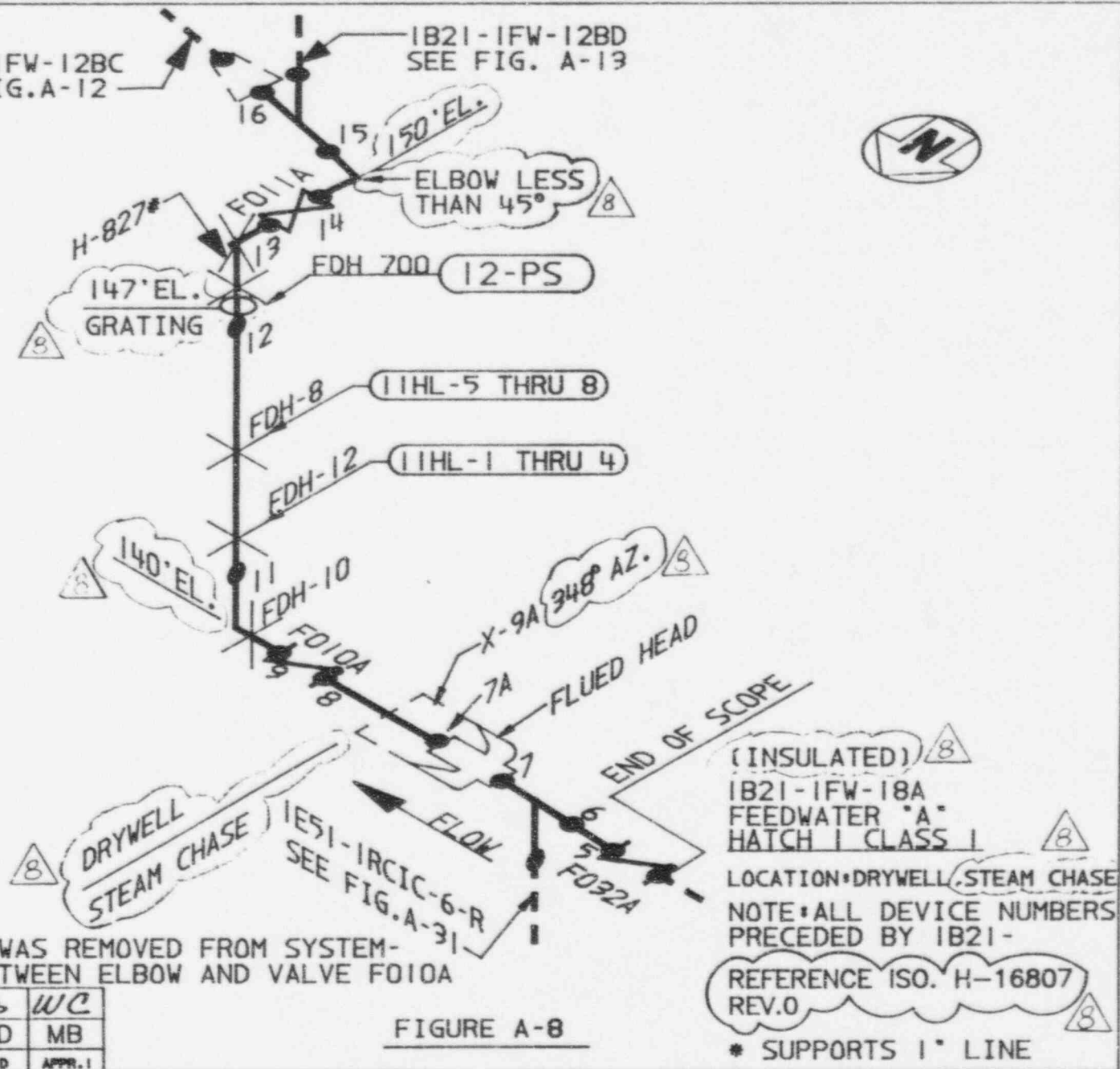
REFERENCE ISO. H-16983 REV.0

FIGURE A-7A

2	3-16-92	WGS	WS	WC
1	1-31-91	WGS	WHC	MB
REV.	DATE	BY	CHK'D	APPR.1

IB21-IFW-12BC
SEE FIG. A-12

IB21-IFW-12BD
SEE FIG. A-13



NOTE: WELD NO. 10 WAS REMOVED FROM SYSTEM -
NO SPOOL PIECE BETWEEN ELBOW AND VALVE FO10A

8	3-11-1	WGS	WS	WC
7	10/12/89	WS	RLD	MB
REV.	DATE	BY	CHK'D	APPR. 1

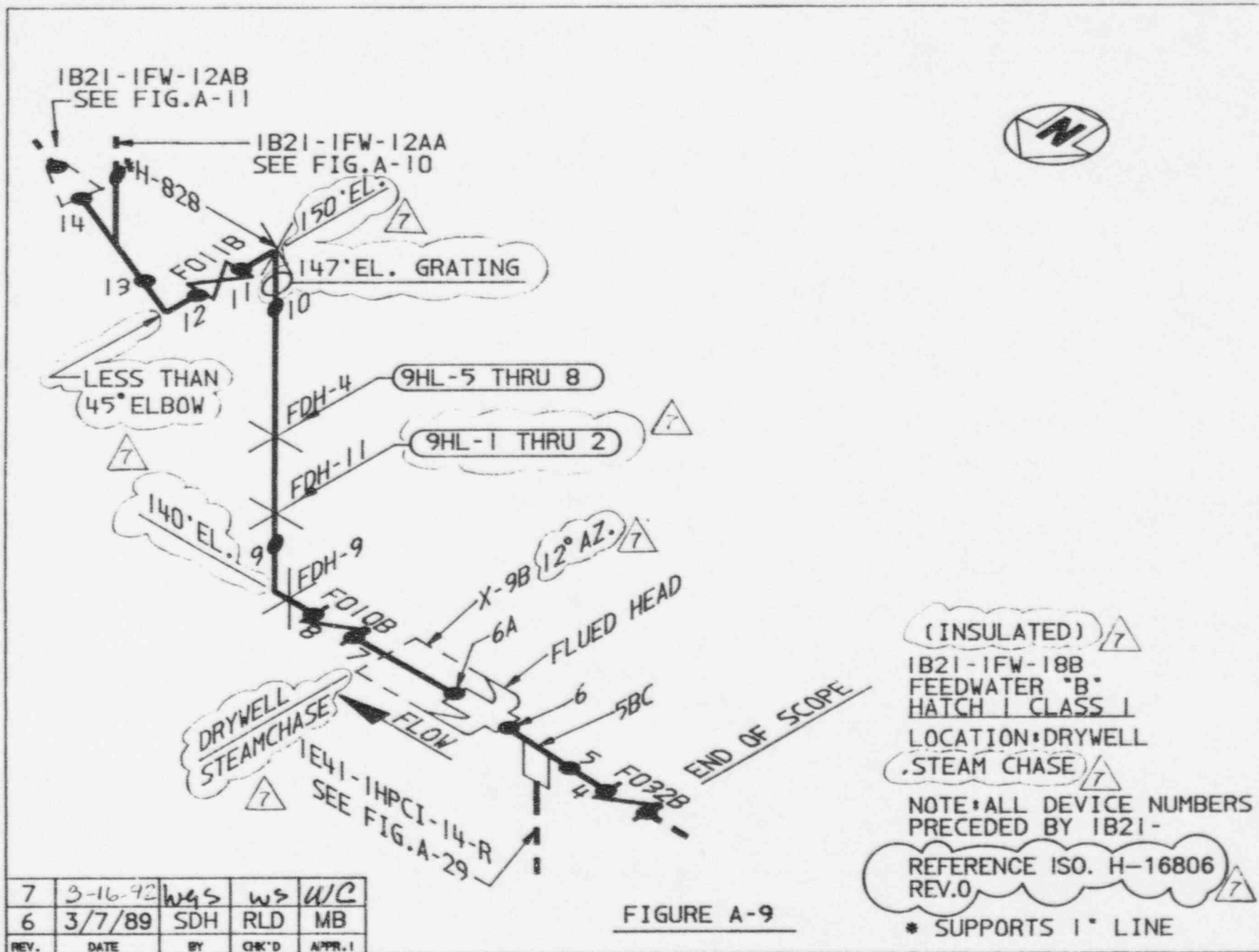
FIGURE A-8

(INSULATED)
IB21-IFW-18A
FEEDWATER 'A'
HATCH 1 CLASS 1

LOCATION: DRYWELL, STEAM CHASE
NOTE: ALL DEVICE NUMBERS
PRECEDED BY IB21-

REFERENCE ISO. H-16807
REV. 0

* SUPPORTS 1" LINE





RPV NOZZLE AT 45°
N4A (SEE FIG. A-1)



8HL-1 THRU 4

SEE FIG. A-11
1B21-1FW-12AB

SEE FIG. A-9
1B21-1FW-18B

FIGURE A-10

5 (INSULATED)
1B21-1FW-12AA
FEEDWATER "A-A"
HATCH I CLASS I
LOCATION: DRYWELL

NOTE: ALL DEVICE NUMBERS
PRECEDED BY 1B21-
5 REFERENCE ISO. H-16806
REV.0

5	3-16-92	W4S	WS	WC
4	10/12/89	WS	RLD	MB
REV.	DATE	BY	CHK'D	APPR. I

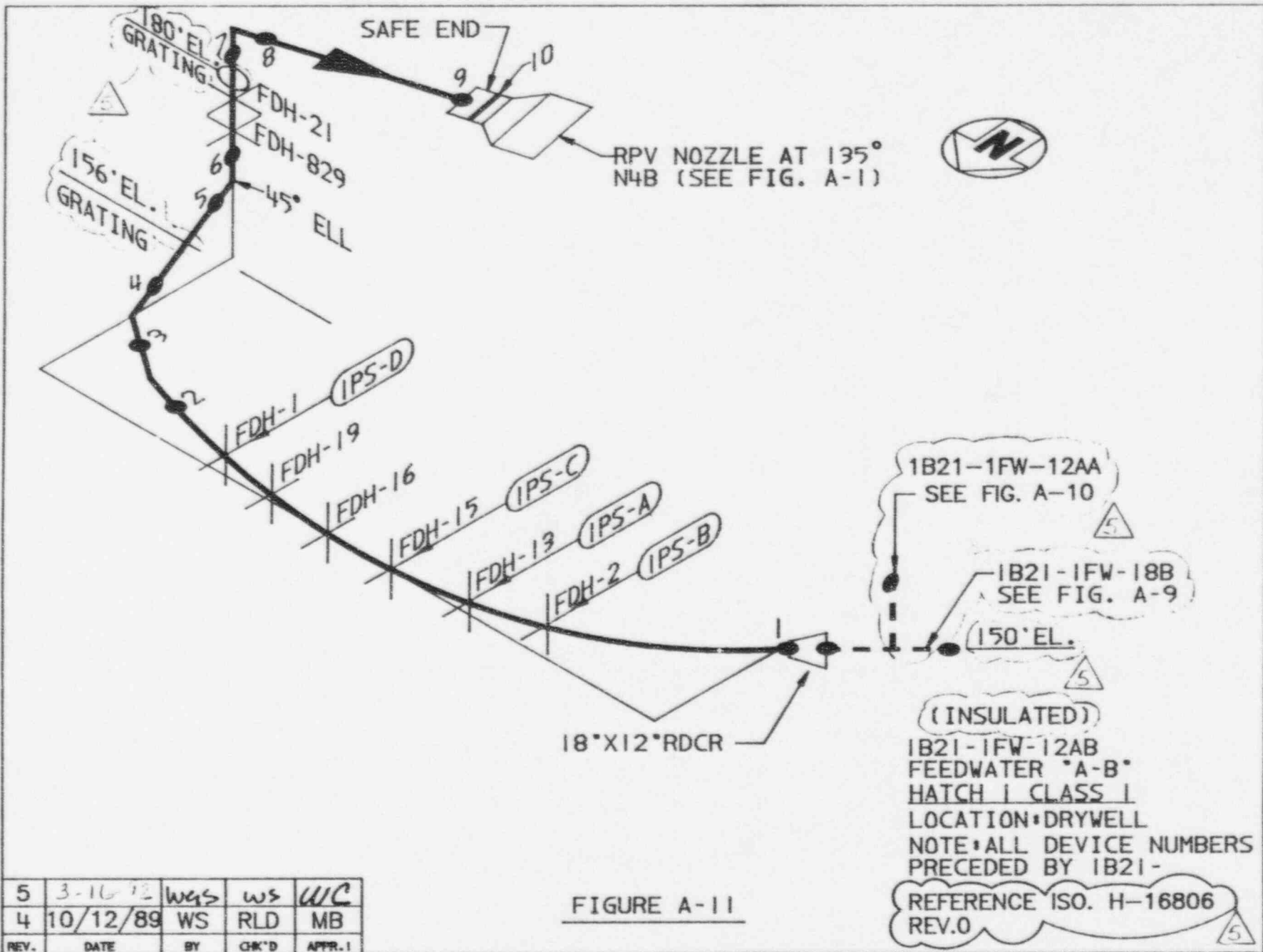


FIGURE A-11

5	3-16-12	WGS	WS	WC
4	10/12/89	WS	RLD	MB
REV.	DATE	BY	CHK'D	APPR. 1

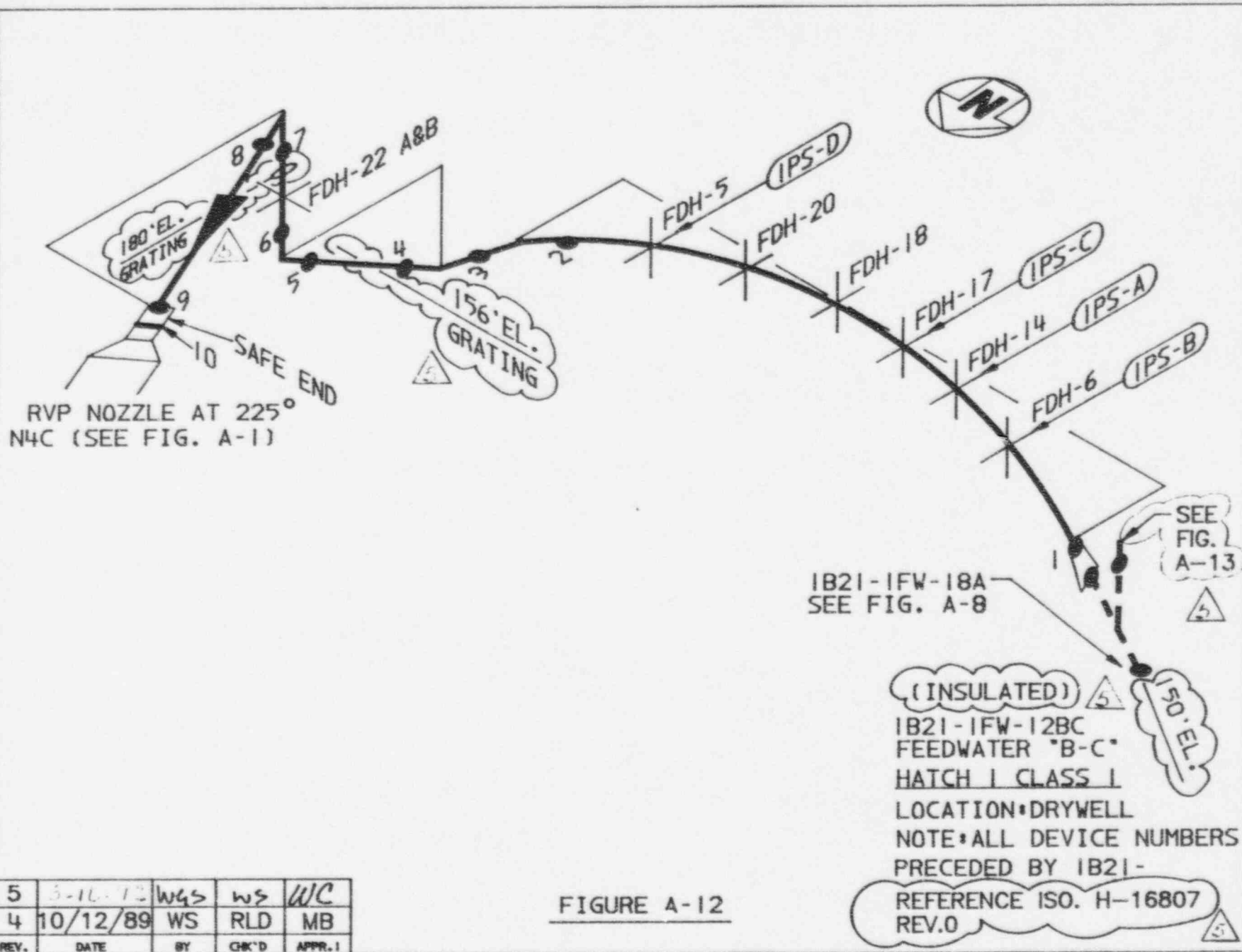


FIGURE A-12

5	3-16-12	WGS	WS	WC
4	10/12/89	WS	RLD	MB
REV.	DATE	BY	CHK'D	APPR.1

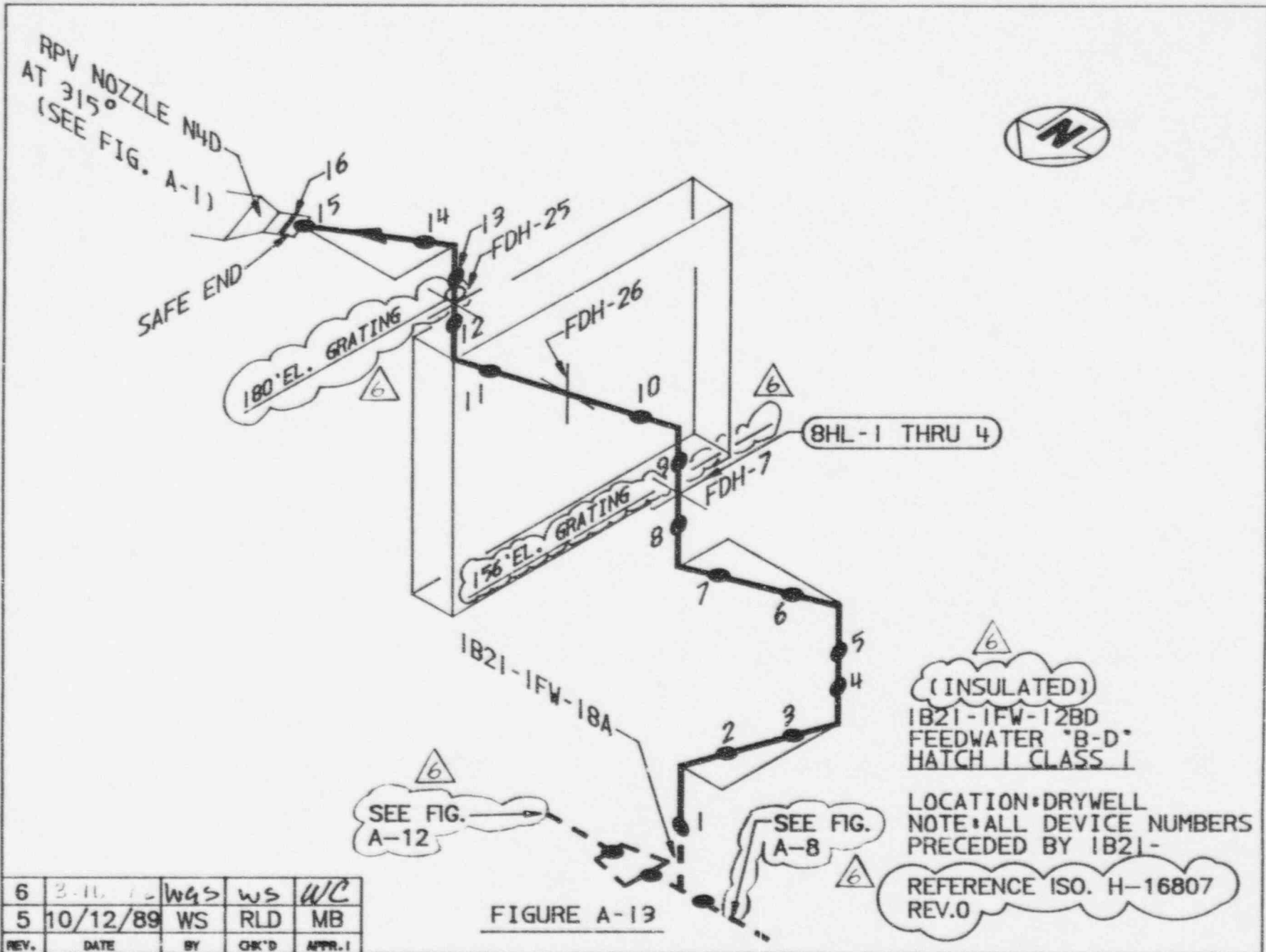


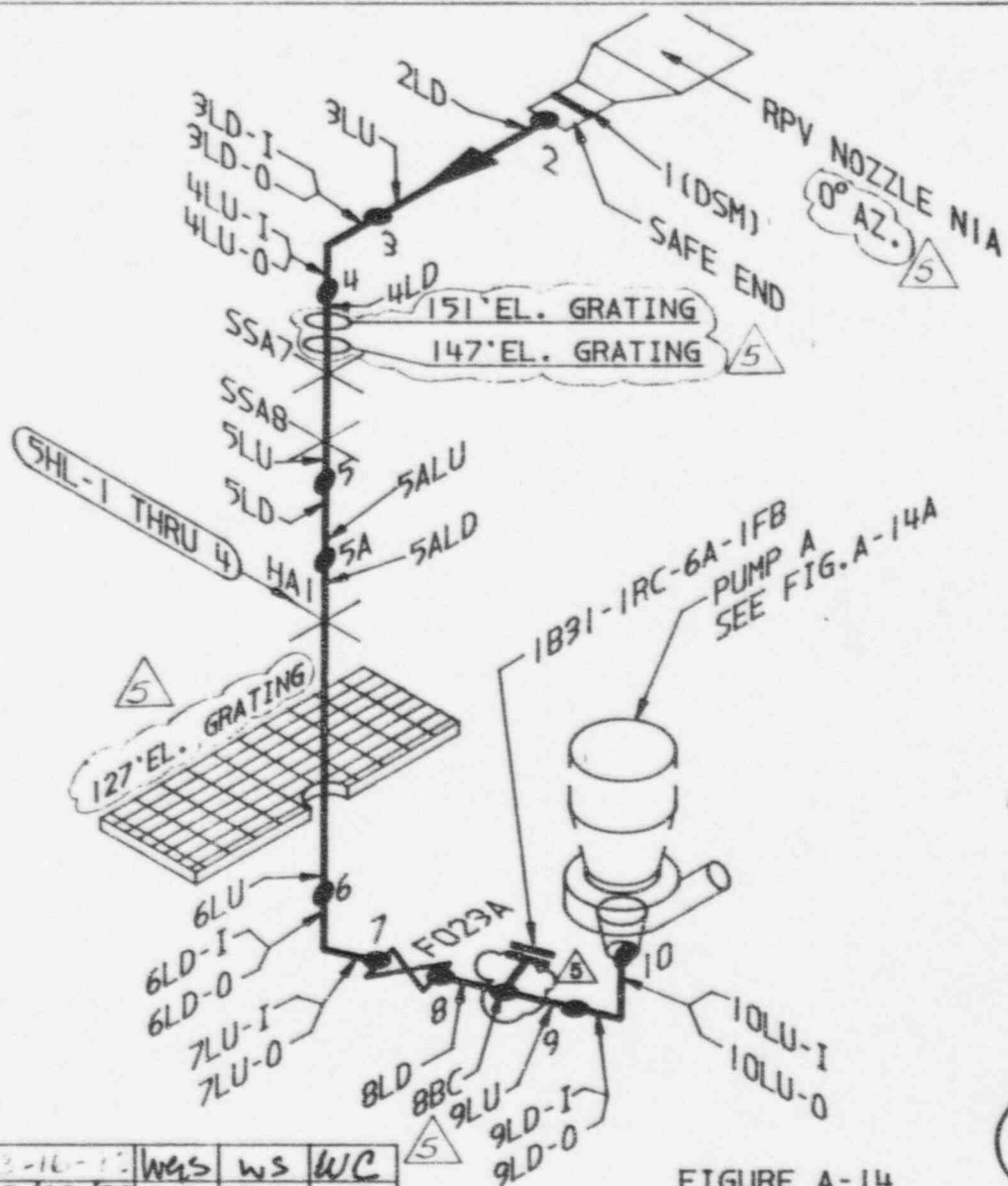
FIGURE A-13

6	3-11-89	WGS	WS	WC
5	10/12/89	WS	RLD	MB
REV.	DATE	BY	CHK'D	APPR. I

(INSULATED)
 IB21-IFW-12BD
 FEEDWATER "B-D"
 HATCH 1 CLASS 1

LOCATION: DRYWELL
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IB21-

REFERENCE ISO. H-16807
 REV. 0



(INSULATED) 5

IB31-IRC-6A
 IB31-IRC-28A
 MAIN RECIRCULATION LOOP "A"

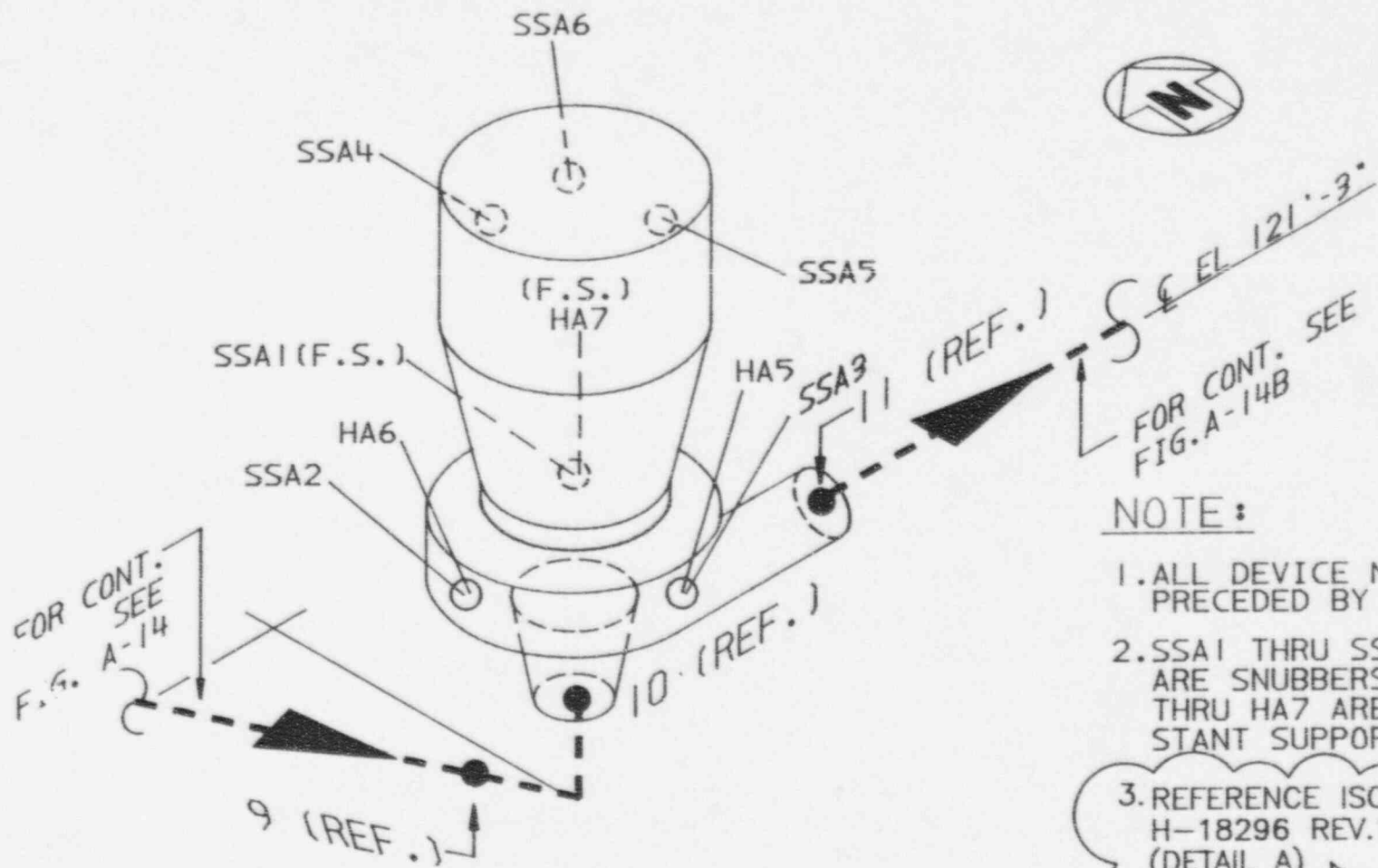
HATCH I CLASS I
 LOCATION: DRYWELL

NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IB31-

REFERENCE ISO. H-18296
 REV.1 AND ORTHO. DWG.
 S-15251 REV.E 5

FIGURE A-14

5	3-16-1	WGS	WS	WC
4	10/19/89	WS	RLD	MB
REV.	DATE	BY	CHK'D	APPR. 1



NOTE:

1. ALL DEVICE NUMBERS PRECEDED BY IB31.
2. SSA1 THRU SSA6 ARE SNUBBERS. HA5 THRU HA7 ARE CONSTANT SUPPORTS.

3. REFERENCE ISO. H-18296 REV.1 (DETAIL A)



PUMP CO01A

FIGURE A-14A

IB31-IRC-28A
MAIN RECIRCULATION LOOP "A"

HATCH I CLASS I
LOCATION: DRYWELL

1	3-16-13	W4S	WS	WC
0	8-10-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR. 1

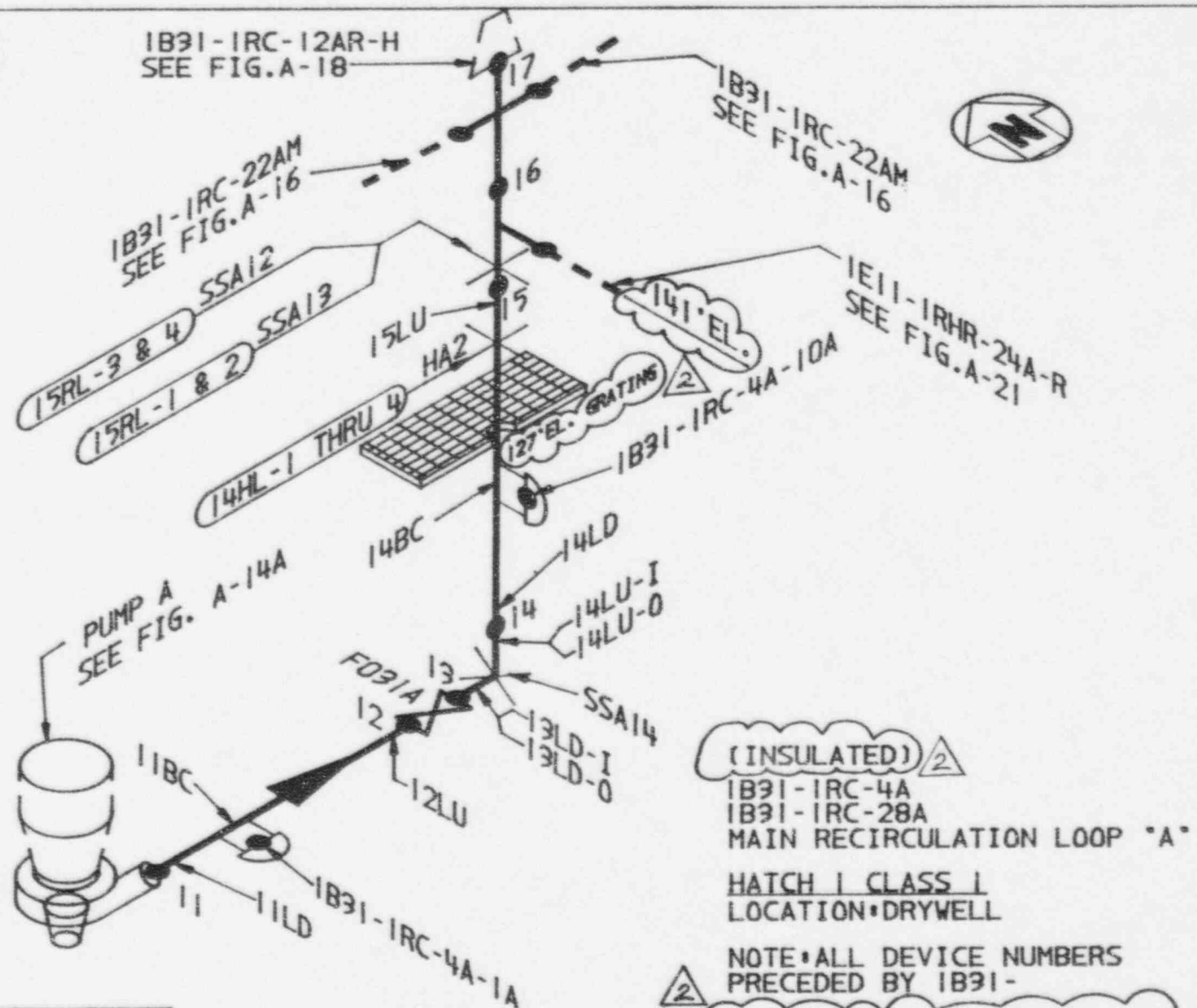
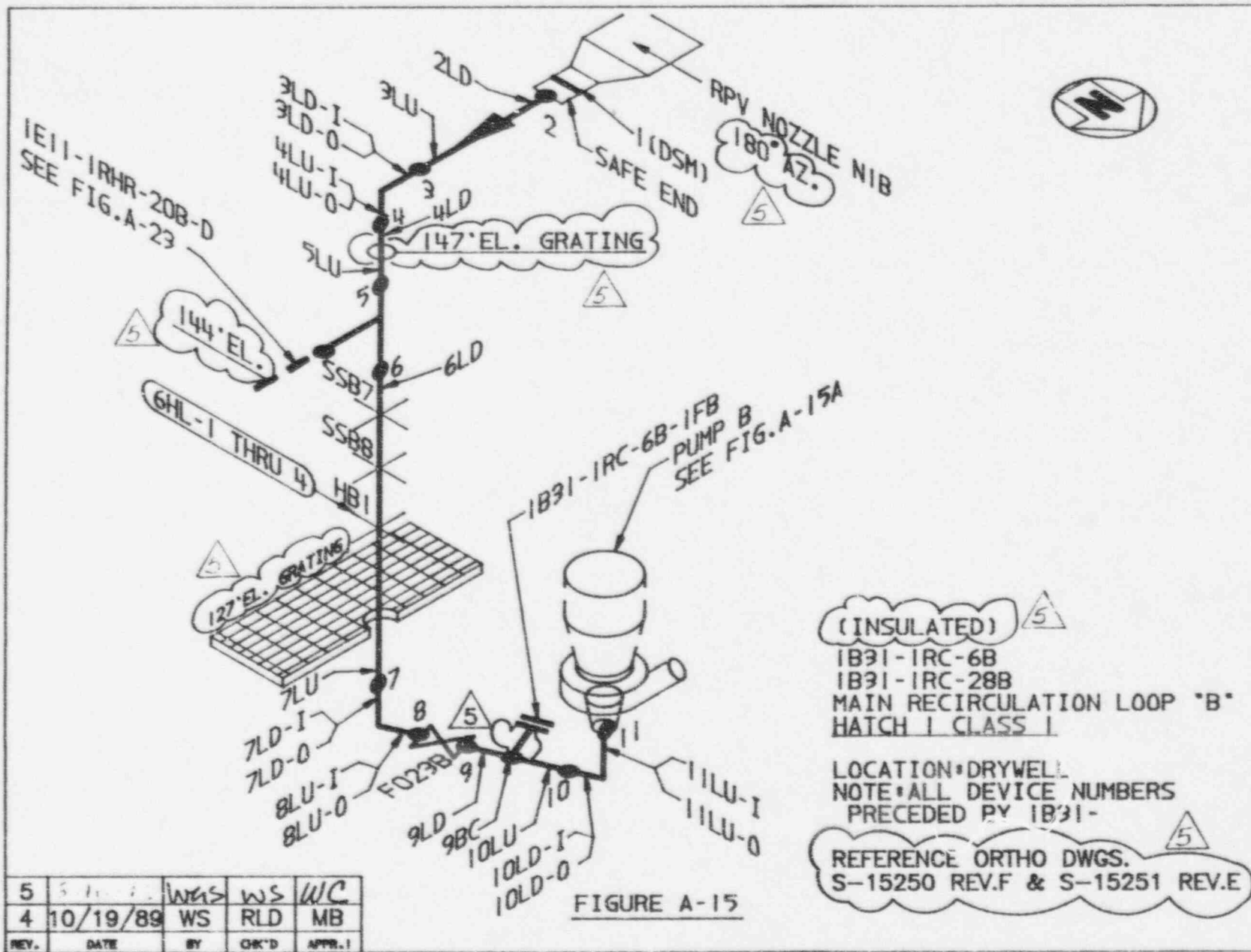
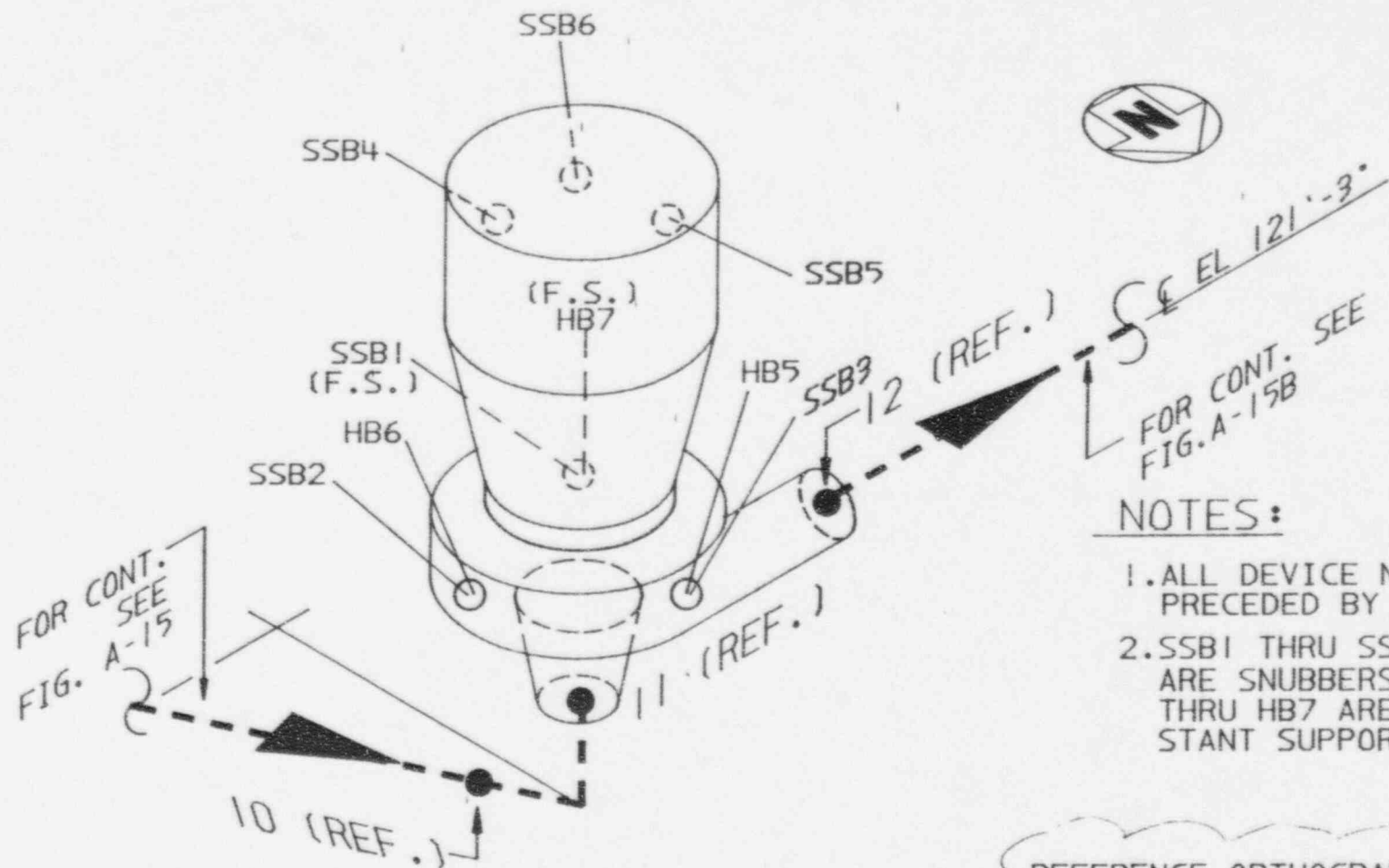


FIGURE A-14B

(INSULATED) Δ
 1B31-IRC-4A
 1B31-IRC-28A
 MAIN RECIRCULATION LOOP "A"
 HATCH I CLASS I
 LOCATION DRYWELL
 NOTE ALL DEVICE NUMBERS
 PRECEDED BY 1B31-
 REFERENCE ISO. H-18296 REV.1

2	1-16-91	WGS	WS	W/C
1	1-31-91	WGS	MB	WHC
REV.	DATE	BY	CHK'D	APPR.1





NOTES:

1. ALL DEVICE NUMBERS PRECEDED BY 1B31
2. SSB1 THRU SSB6 ARE SNUBBERS. HB5 THRU HB7 ARE CONSTANT SUPPORTS.

REFERENCE ORTHOGRAPHIC DRAWING S-15250 REV.F

PUMP COO1B

FIGURE A-15A

1B31-IRC-28B
MAIN RECIRCULATION
LOOP "B"

HATCH | CLASS 1
LOCATION: DRYWELL

1	3-1-72	WAS	WS	WC
0	8-10-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR. 1

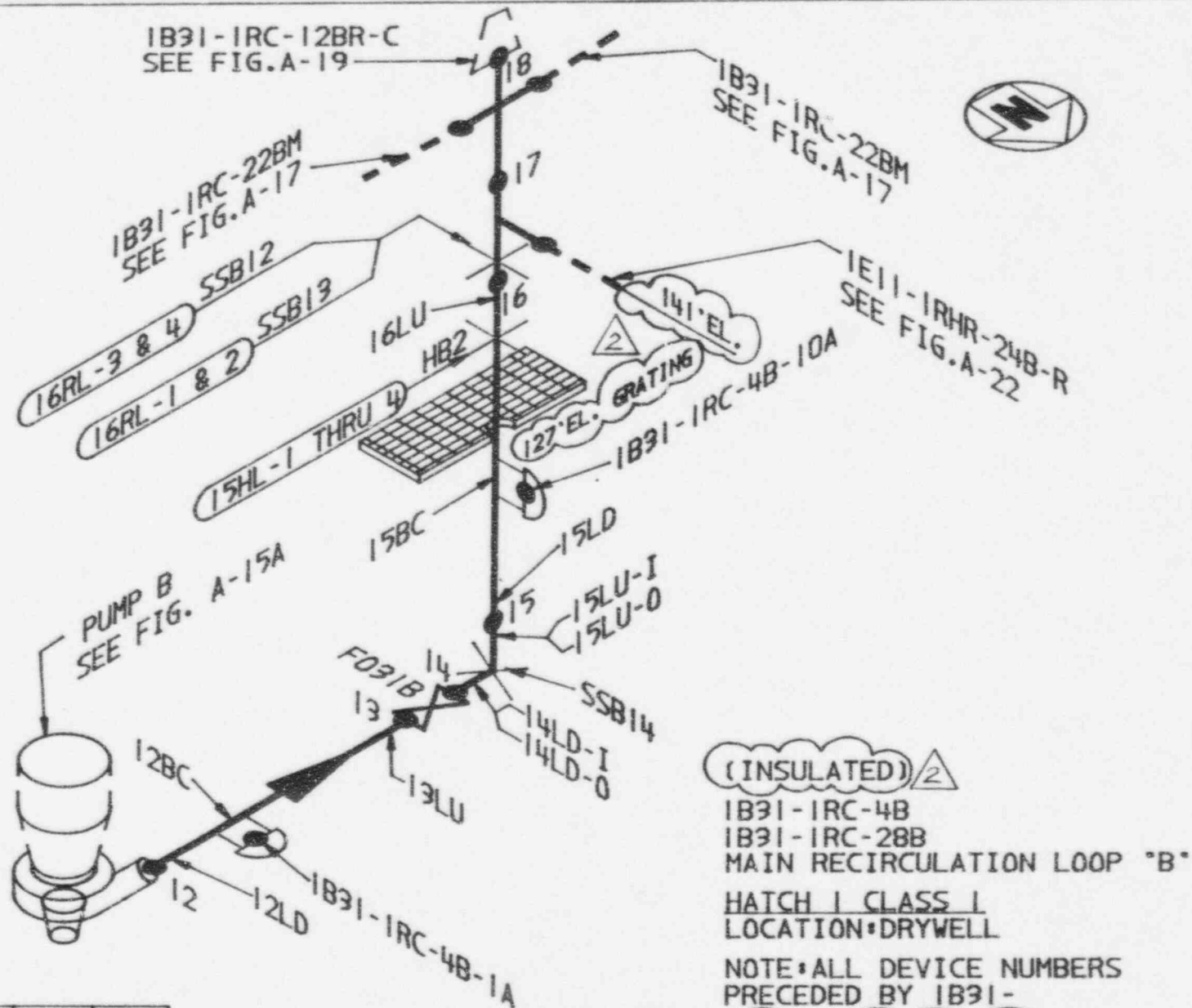
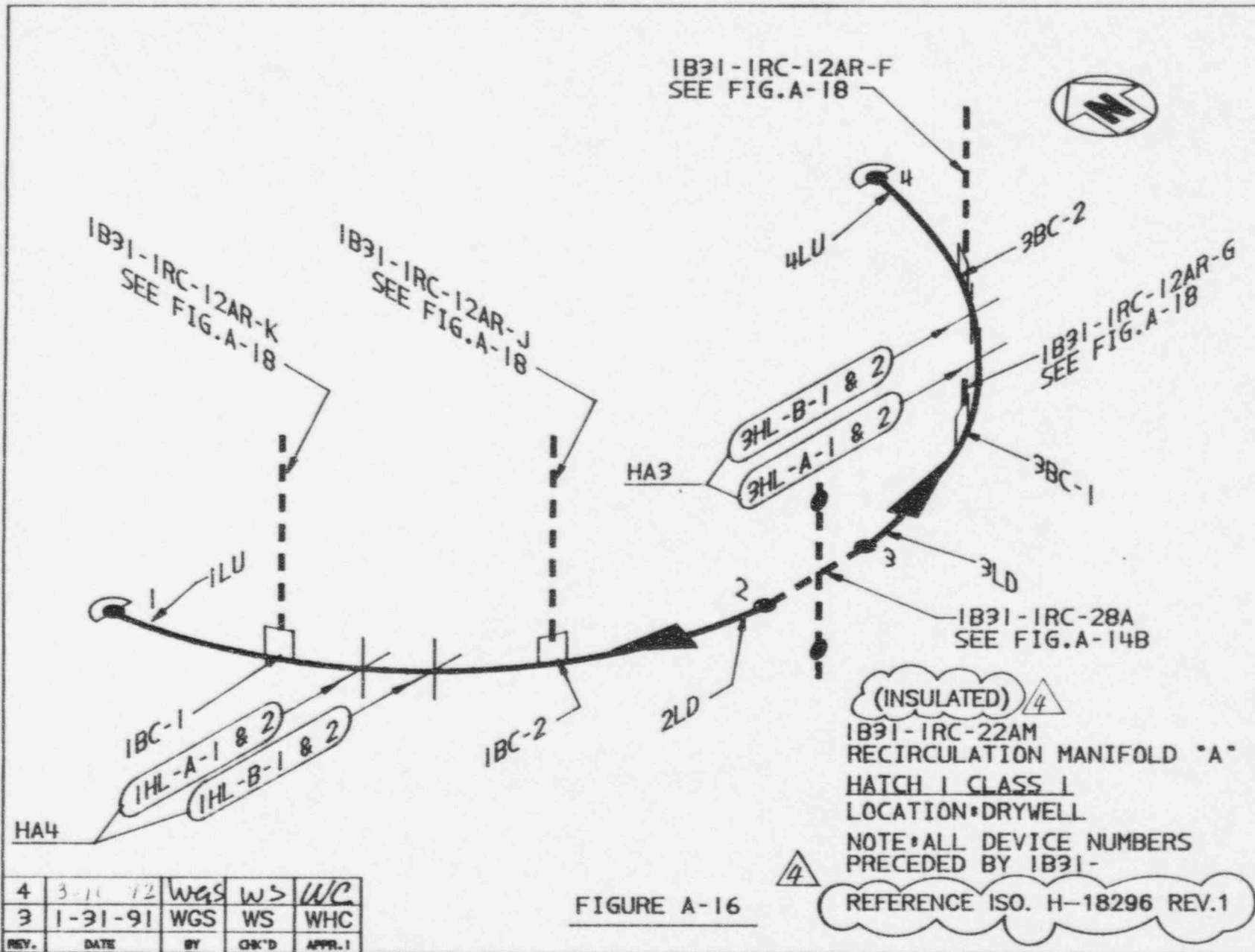
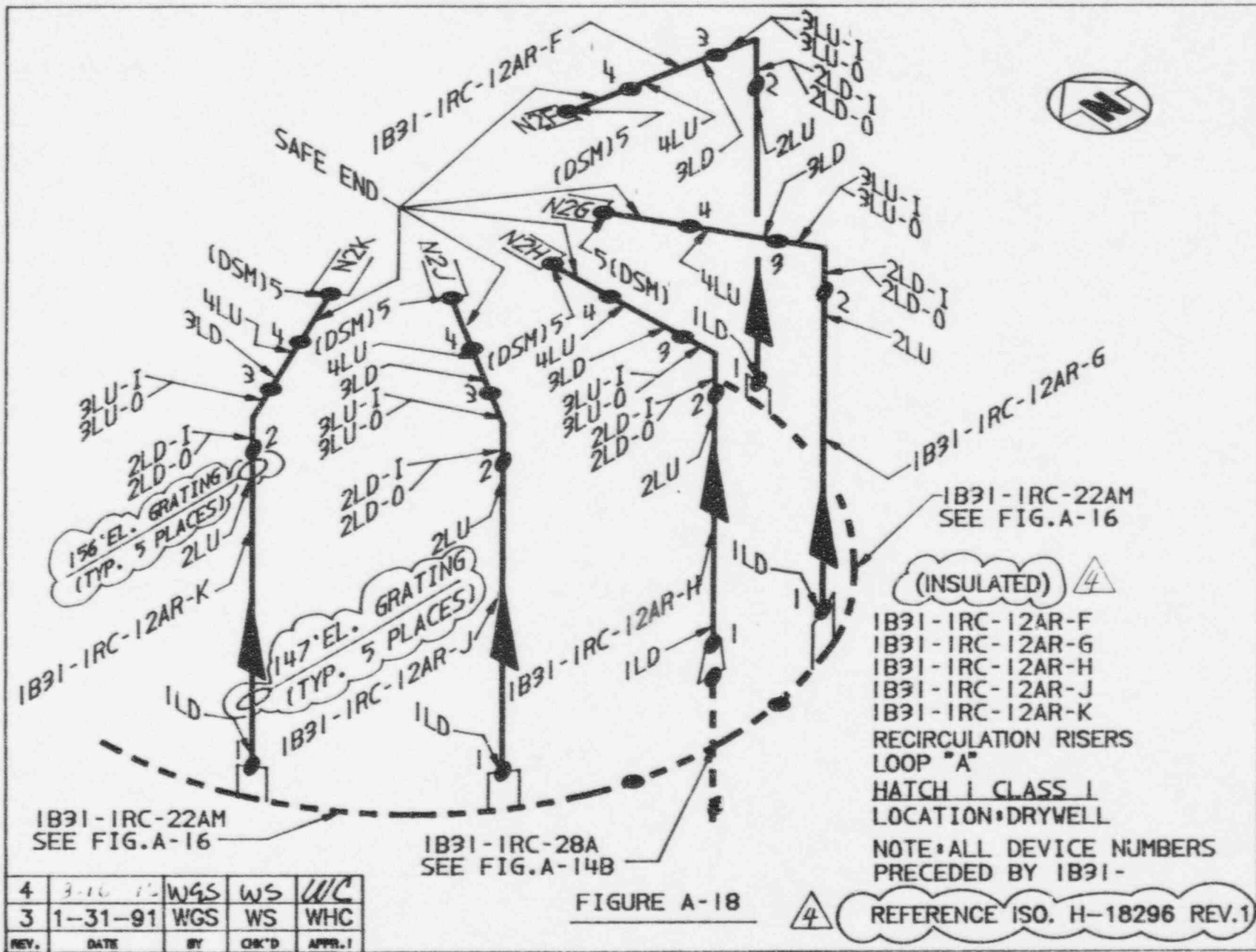
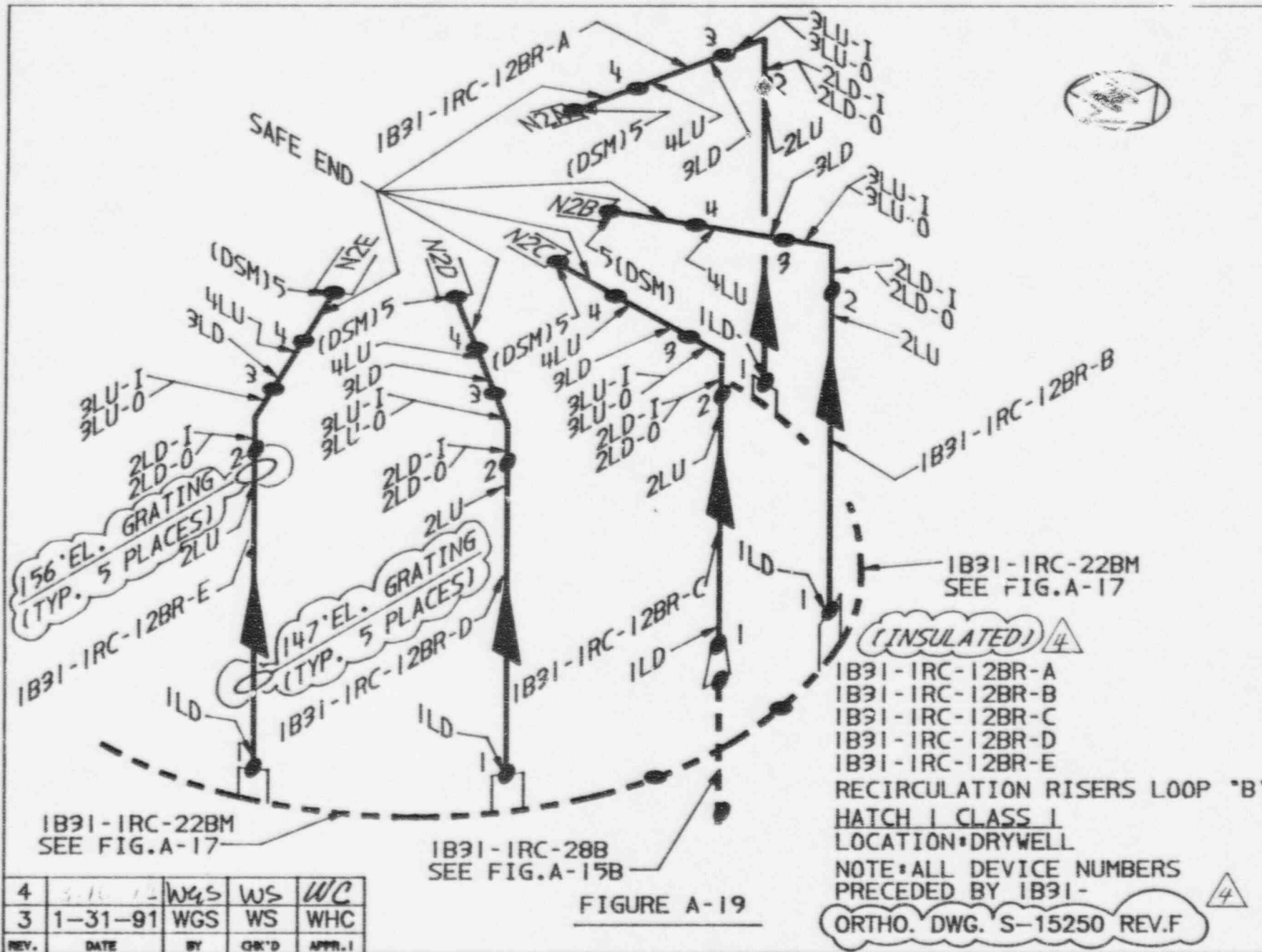


FIGURE A-15B

2	3-16-91	WGS	WS	WC
1	1-31-91	WGS	WS	WHC
REV.	DATE	BY	CHK'D	APPR.1







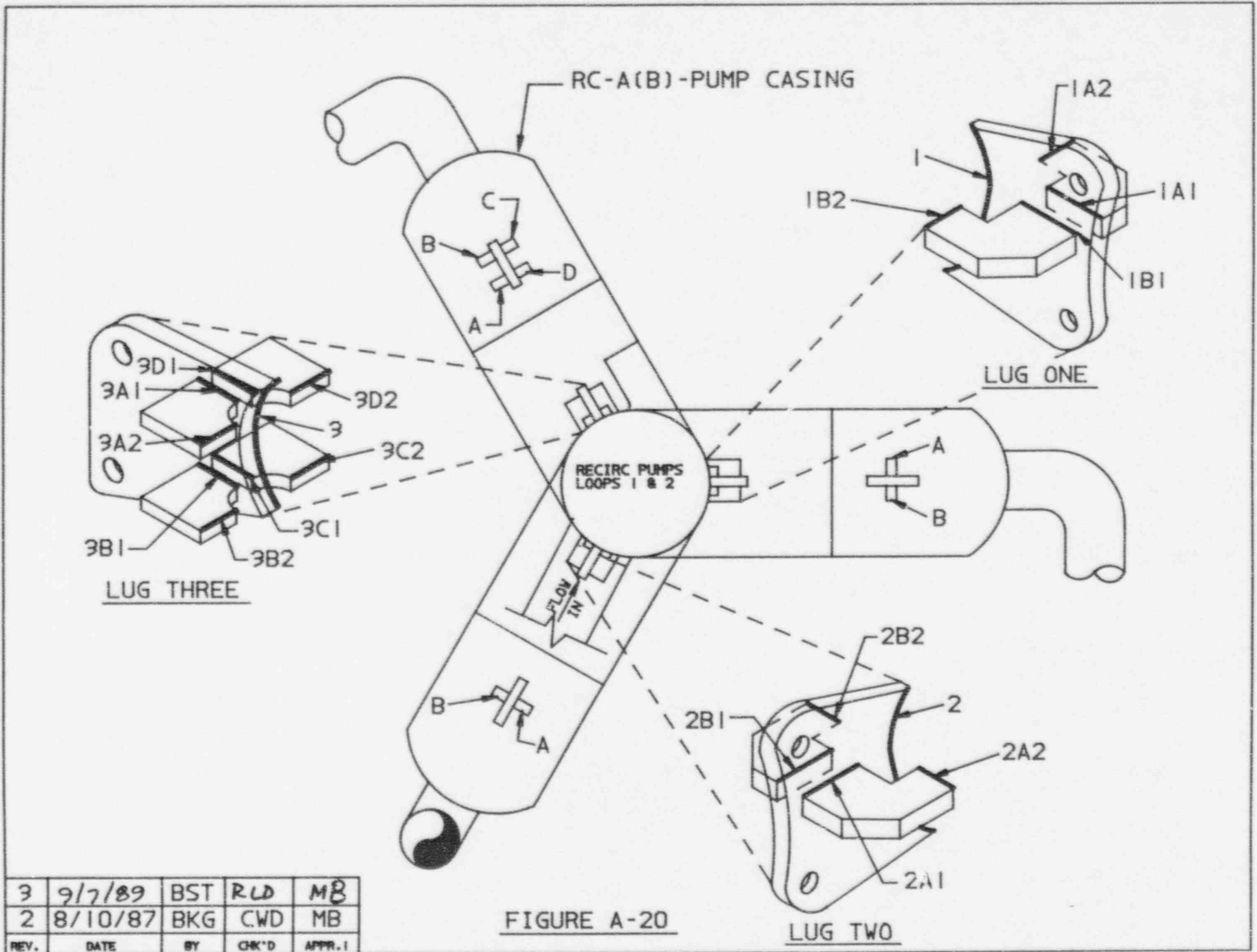
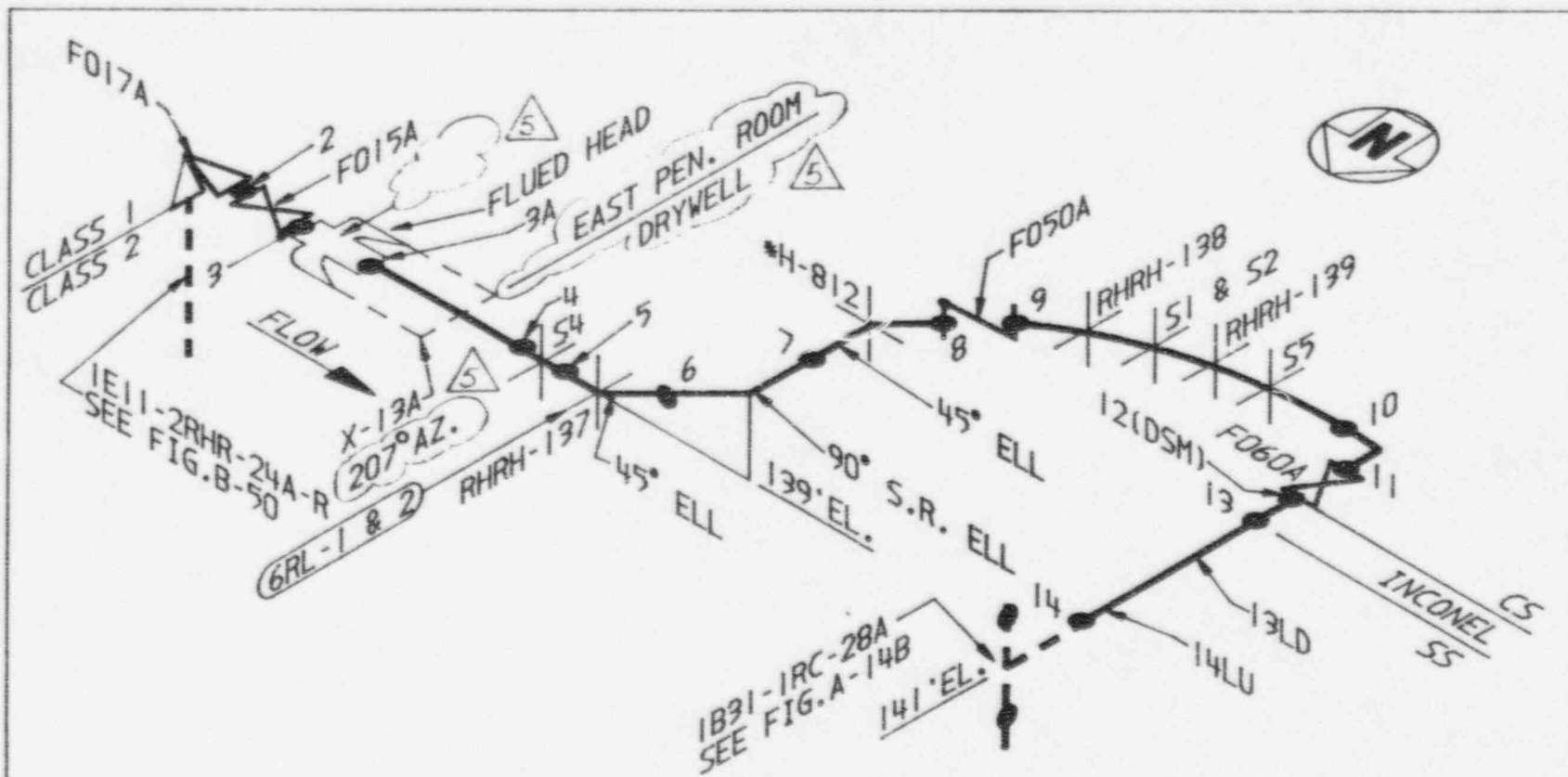


FIGURE A-20

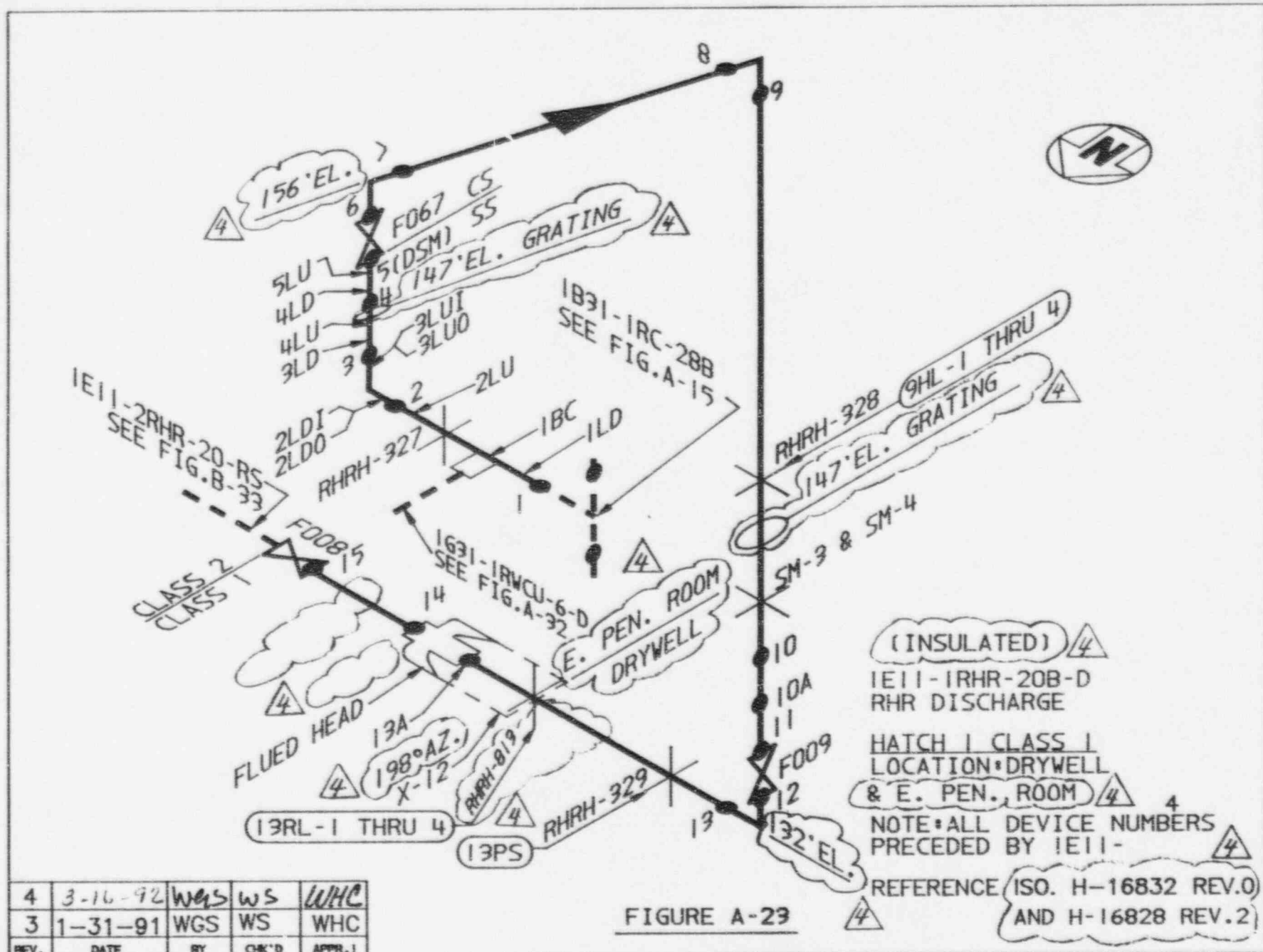
3	9/7/89	BST	RWD	MB
2	8/10/87	BKG	CWD	MB
REV.	DATE	BY	CHK'D	APPR.1



5	3-16-72	WGS	WS	WHC
4	1-31-91	WGS	WS	WHC
REV.	DATE	BY	CHK'D	APPR.1

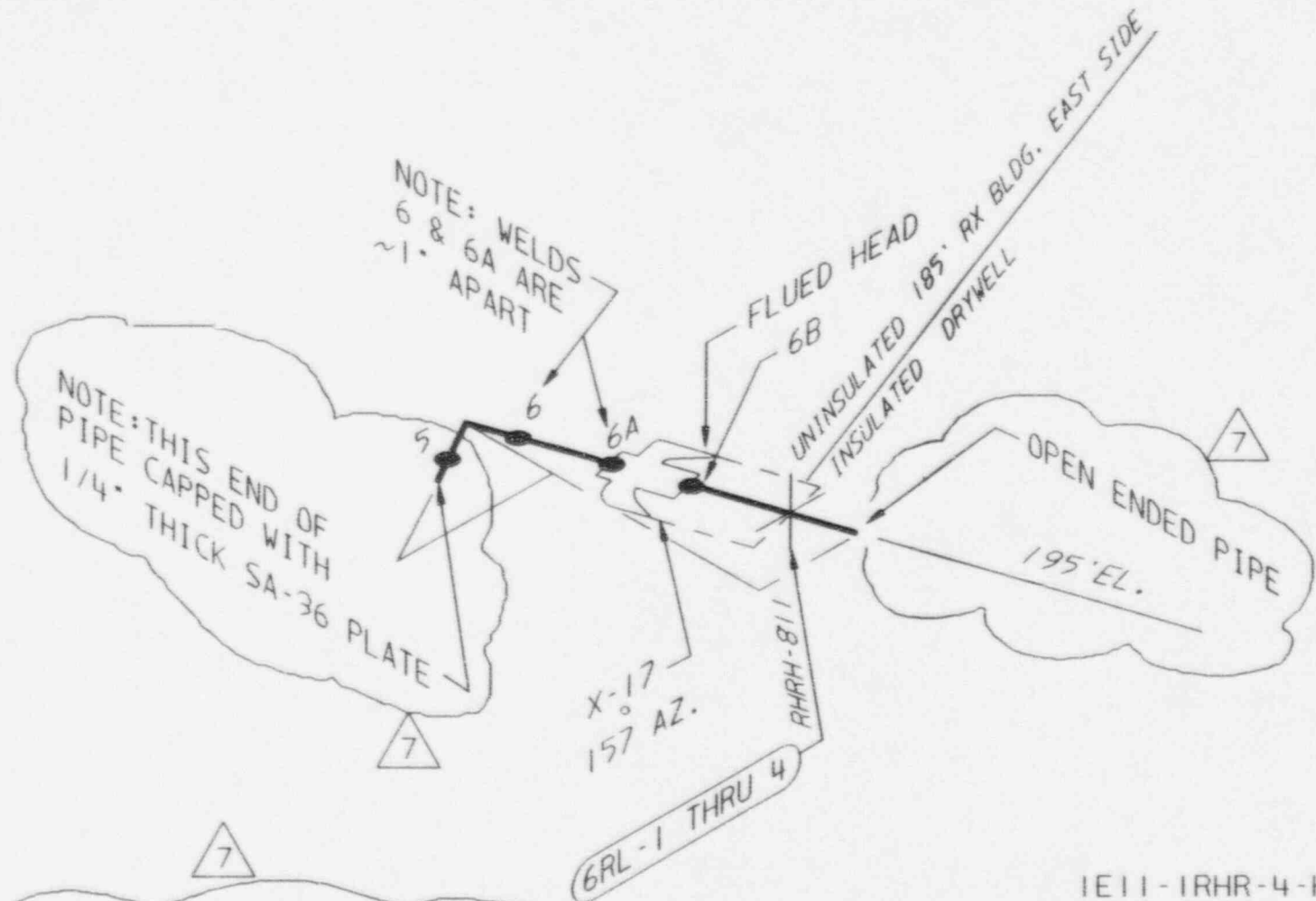
FIGURE A-21

(INSULATED)
 1E11-1RHR-24A-R
 RHR/LPCI RETURN
 HATCH 1 CLASS 1
 LOCATION: DRYWELL & E. PEN. ROOM
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY 1E11-
 REFERENCE ISO. H-16830 REV.0
 * SUPPORTS 1" CHECK VALVE



4	3-16-92	WGS	WS	WHC
3	1-31-91	WGS	WS	WHC
REV.	DATE	BY	CHK'D	APPR.1

FIGURE A-29



NOTE: WELDS
6 & 6A ARE
~1" APART

NOTE: THIS END OF
PIPE CAPPED WITH
1/4" THICK SA-36 PLATE

OPEN ENDED PIPE
195' EL.

X-17
157 AZ.

RHHR-811
6RL-1 THRU 4

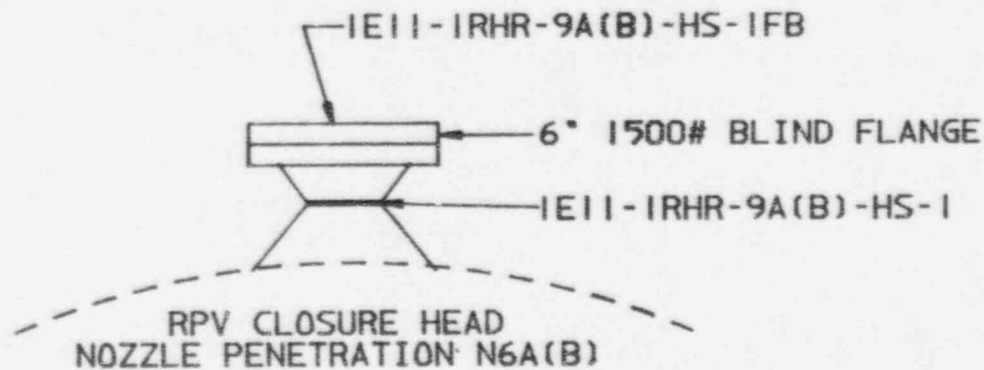
REVISION NO. 7 MADE IN RESPONSE
TO DCR 92-007

1E11-1RHR-4-HS
HEAD SPRAY
HATCH 1 CLASS 1
LOCATION: DRYWELL
& 185' RX BLDG
NOTE: ALL DEVICE NUMBERS
PRECEDED BY 1E11-

REFERENCE ISO. H-16839 (REV.3)

7	2-15-95	WS	DRG	WC
6	7-25-94	WS	KFW	WHC
5	3-16-92	WGS	WS	WHC
REV.	DATE	BY	CHK'D	APPR. I

FIGURE A-24



1E11-1RHR-9A-HS
1E11-1RHR-9B-HS
HEAD SPRAY

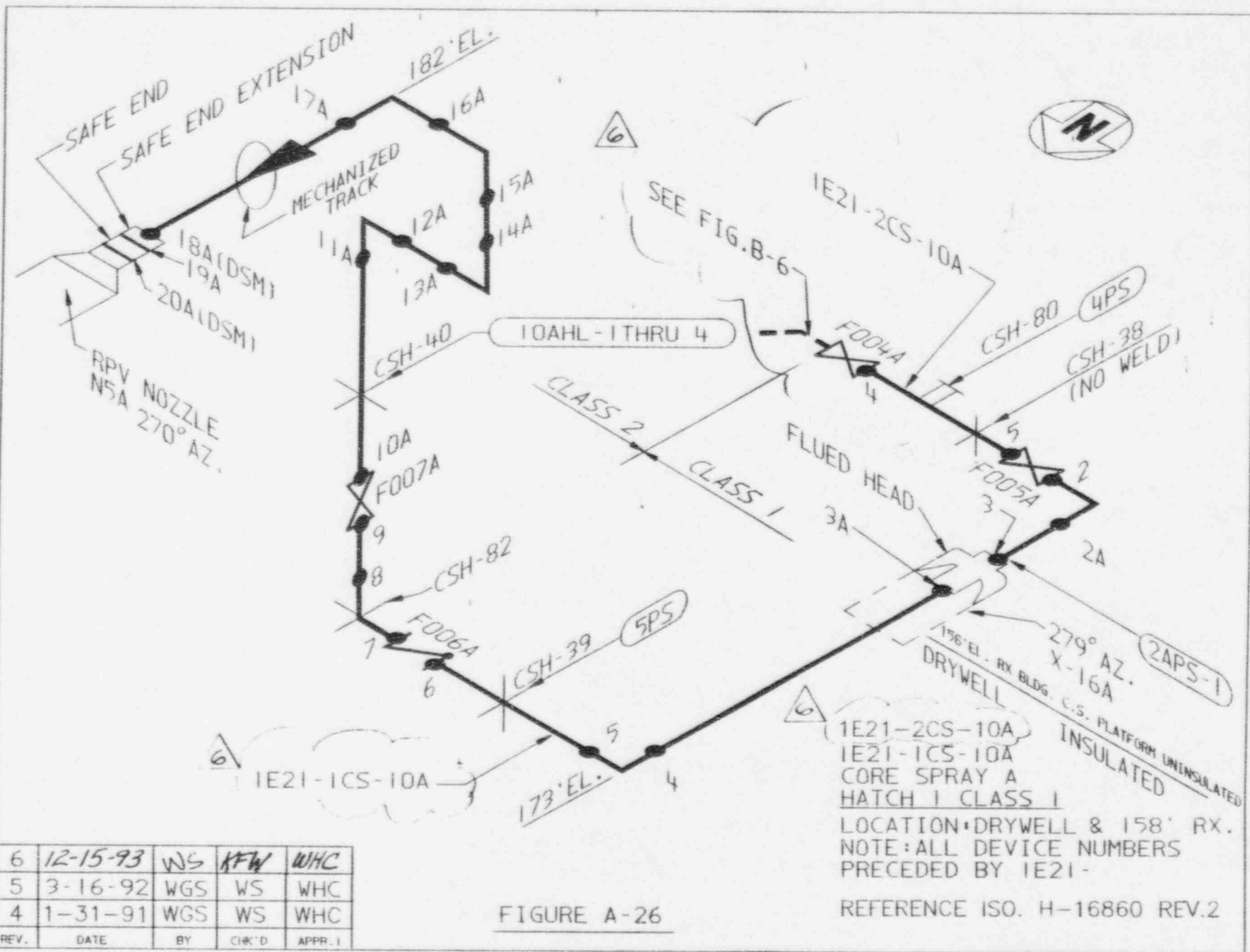
HATCH 1 CLASS 1
LOCATION: REFUELING FLOOR

NOTE: ALL DEVICE NUMBERS
PRECEDED BY 1E11

4 REFERENCE ISO. H-16839 REV.2

FIGURE A-25

4	3-16-92	WKS	WS	WC
3	8-10-87	BKG	CWD	MB
REV.	DATE	BY	CHK'D	APPR. 1



6	12-15-93	WS	KFW	WHC
5	3-16-92	WGS	WS	WHC
4	1-31-91	WGS	WS	WHC
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE A-26

1E21-2CS-10A
 1E21-1CS-10A
 CORE SPRAY A
 HATCH I CLASS I
 LOCATION: DRYWELL & 158' RX.
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE21-

REFERENCE ISO. H-16860 REV.2

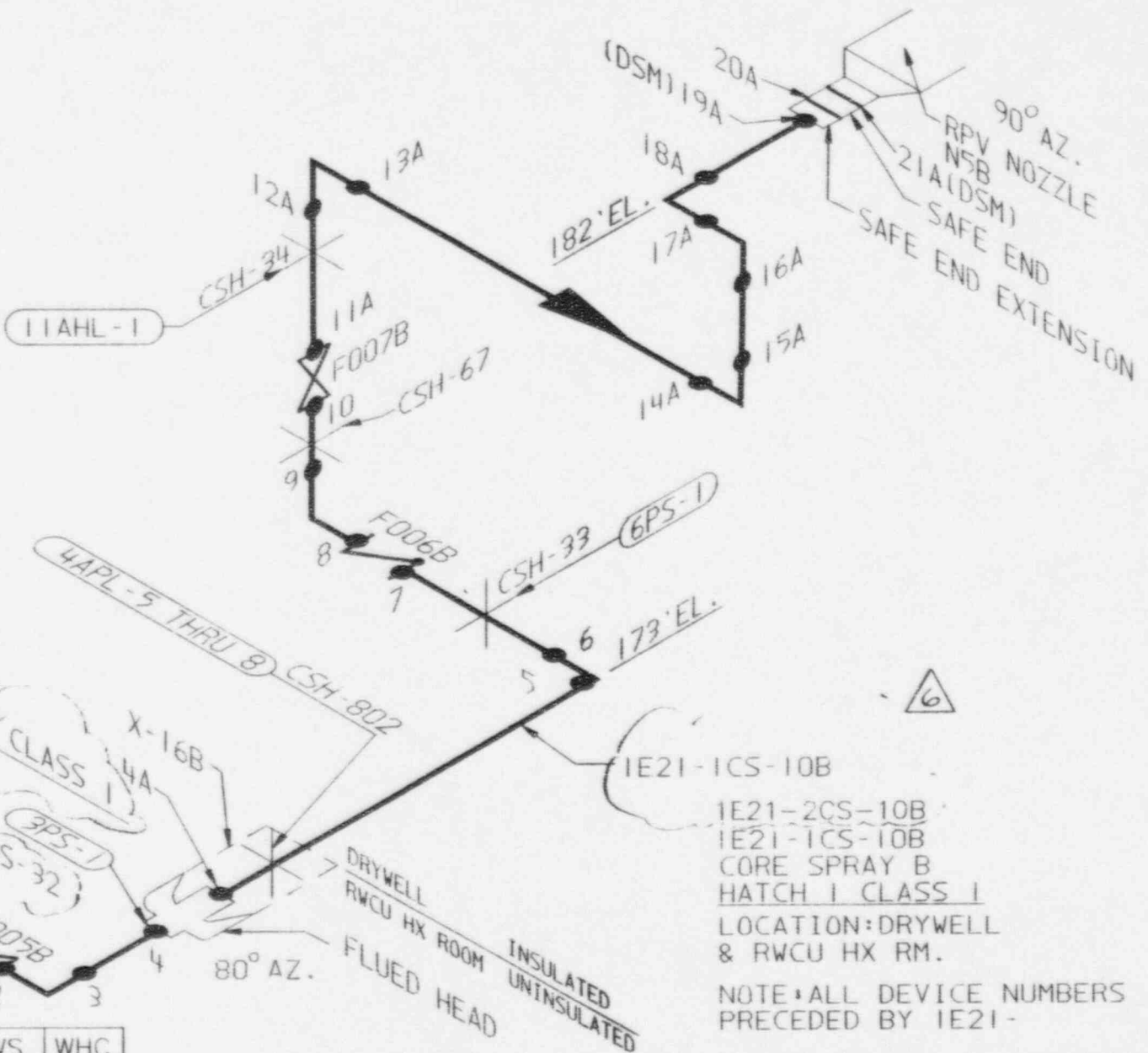
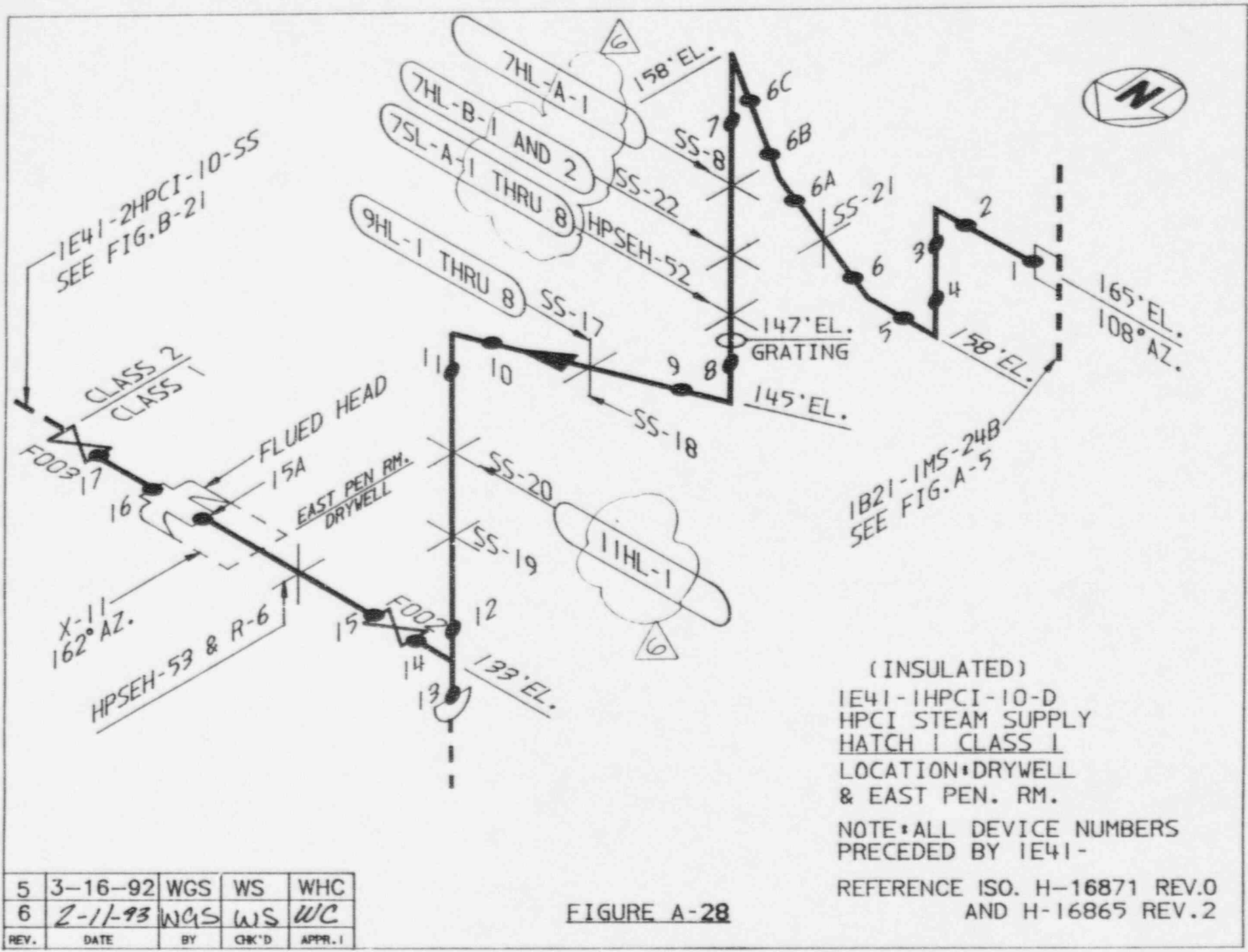


FIGURE A-27

5	3-16-92	WGS	WS	WHC
6	12-15-93	WS	KFA	WC
REV.	DATE	BY	CHK'D	APPR. I

NOTE: ALL DEVICE NUMBERS
PRECEDED BY IE21-
REFERENCE ISO. H-16861 REV.3



(INSULATED)
 IE41-1HPCI-10-D
 HPCI STEAM SUPPLY
 HATCH 1 CLASS 1
 LOCATION: DRYWELL
 & EAST PEN. RM.
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE41-

REFERENCE ISO. H-16871 REV.0
 AND H-16865 REV.2

FIGURE A-28

5	3-16-92	WGS	WS	WHC
6	2-11-93	WGS	WS	WC
REV.	DATE	BY	CHK'D	APPR. I

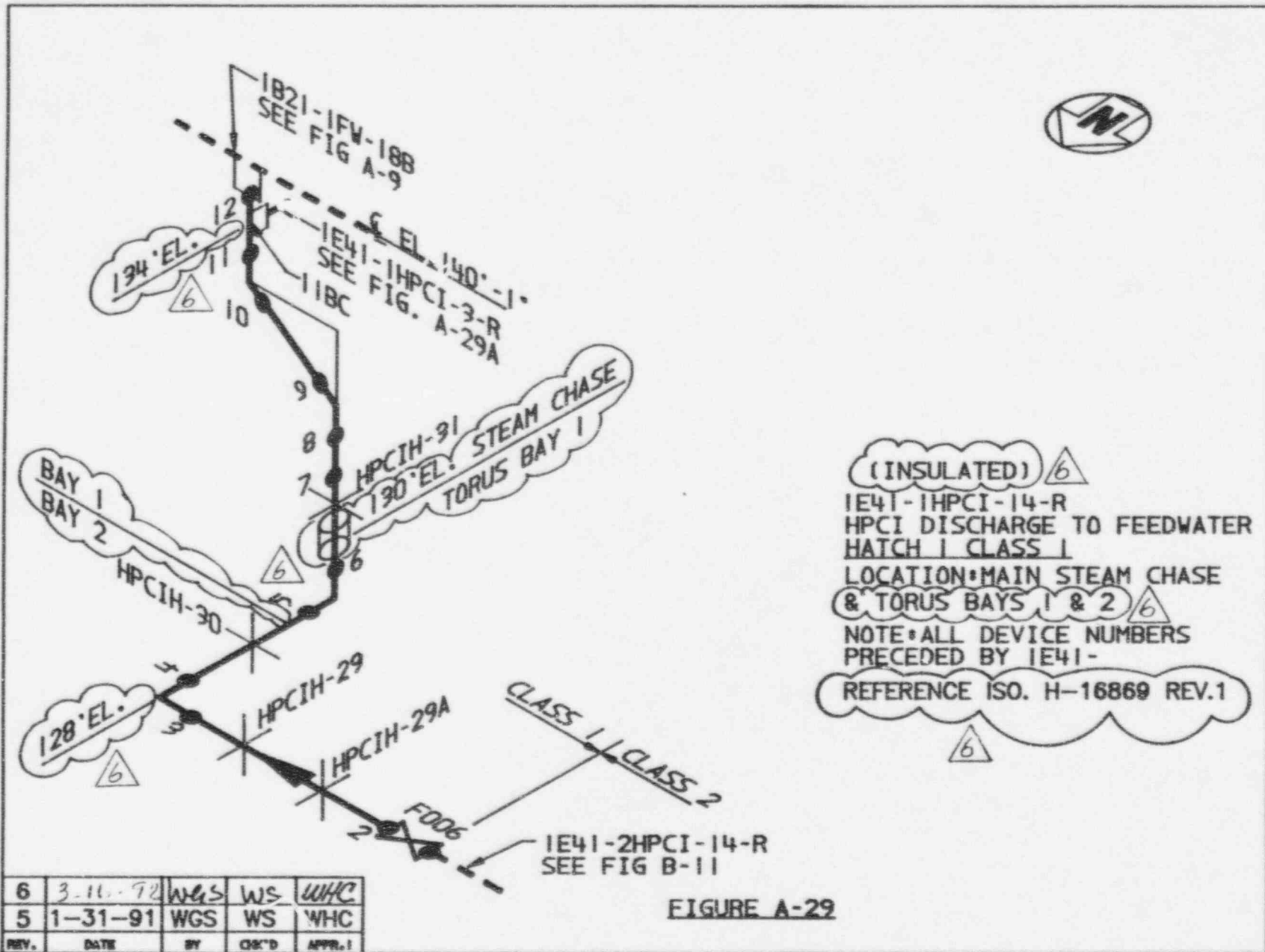
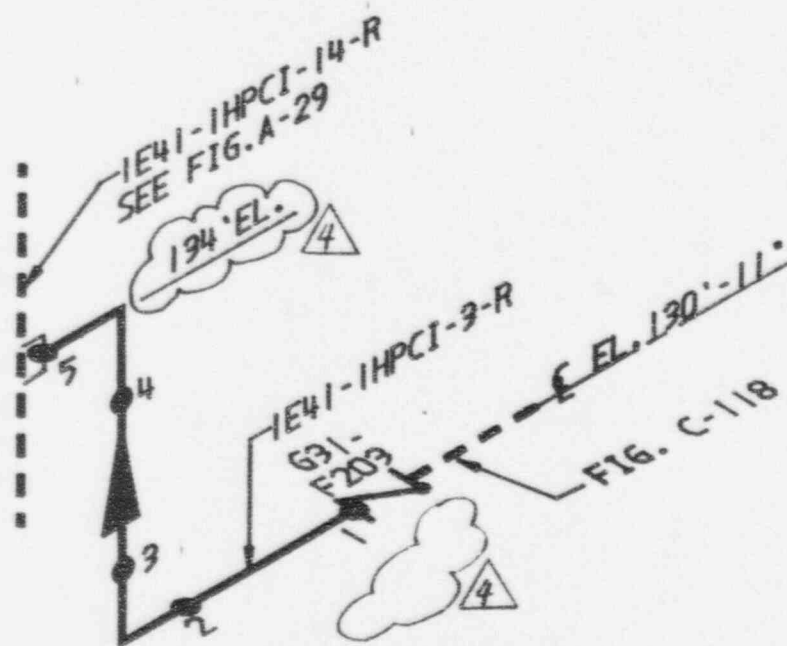



FIGURE A-29



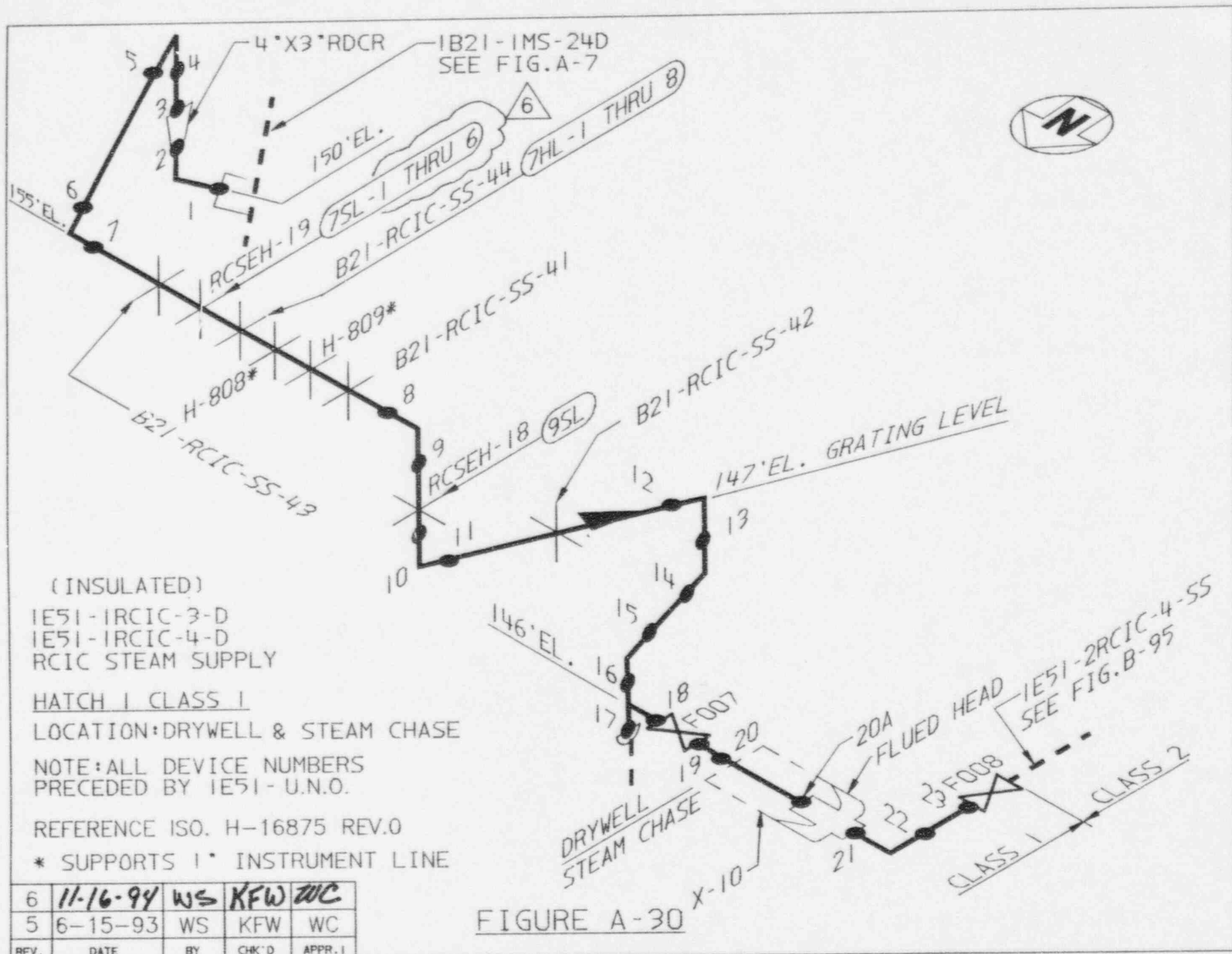
(INSULATED) 
IE41-IHPCI-3-R

HATCH 1 CLASS 1
LOCATION MAIN STEAM CHASE
NOTE ALL DEVICE NUMBERS
PRECEDED BY IE41-

 REFERENCE ISO. H-16869 REV.1

4	3-16-92	WGS	WS	WC
3	1-31-91	WGS	WS	WHC
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE A-29A



(INSULATED)
 IE51-IRCIC-3-D
 IE51-IRCIC-4-D
 RCIC STEAM SUPPLY

HATCH 1 CLASS 1
 LOCATION: DRYWELL & STEAM CHASE

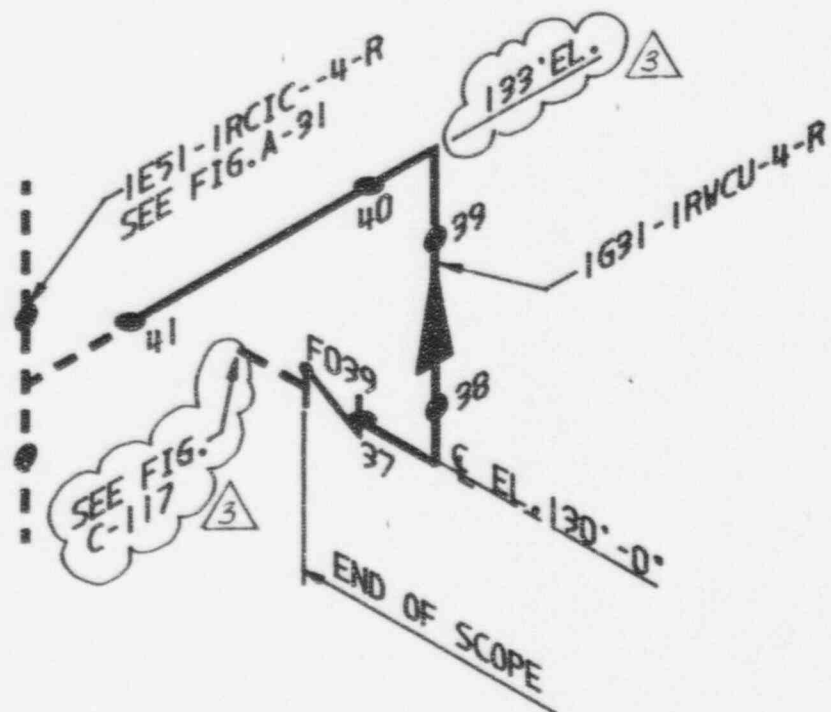
NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE51-U.N.O.

REFERENCE ISO. H-16875 REV.0

* SUPPORTS 1* INSTRUMENT LINE

6	11-16-94	WS	KFW	WC
5	6-15-93	WS	KFW	WC
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE A-30



(INSULATED) \triangle 3

1691-IRWCU-4-R
REACTOR WATER CLEANUP INLET

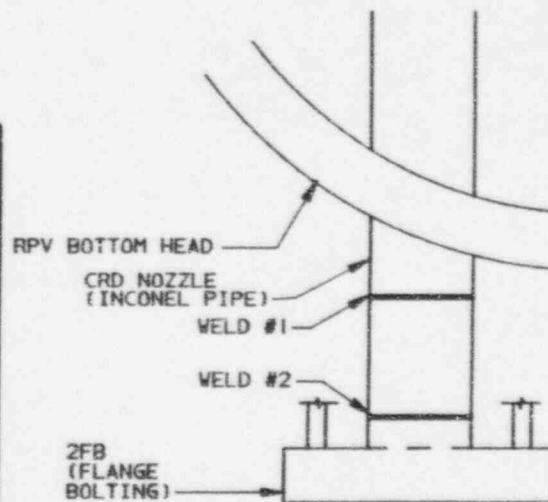
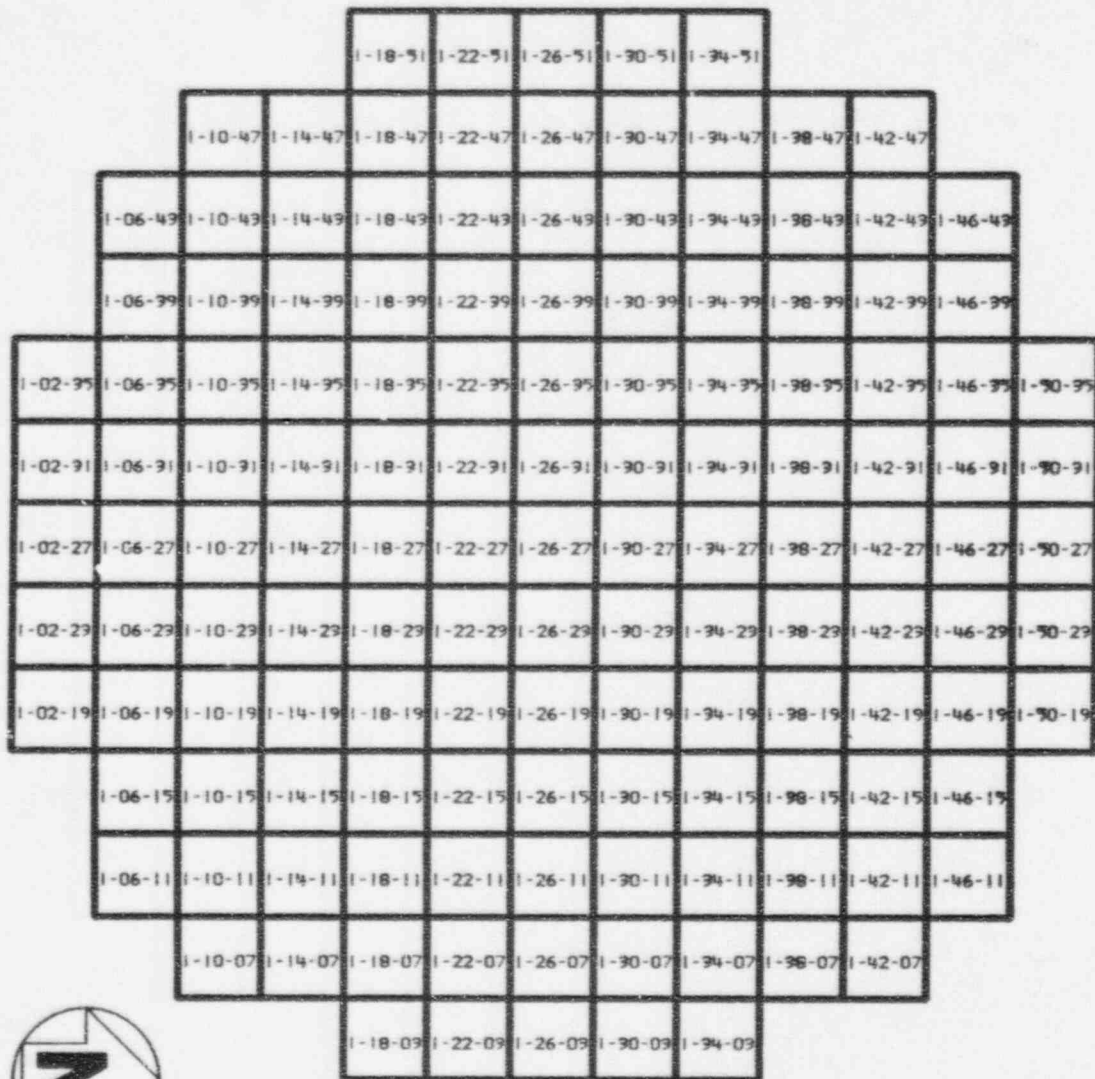
HATCH 1 CLASS 1
LOCATION MAIN STEAM CHASE

NOTE ALL DEVICE NUMBERS
PRECEDED BY 1691-

REFERENCE ISO. H-16889 REV.0

FIGURE A-99

3	3-16-72	WGS	WS	WC
2	1-31-81	WGS	WS	WHC
REV.	DATE	BY	CHK'D	APPR. 1



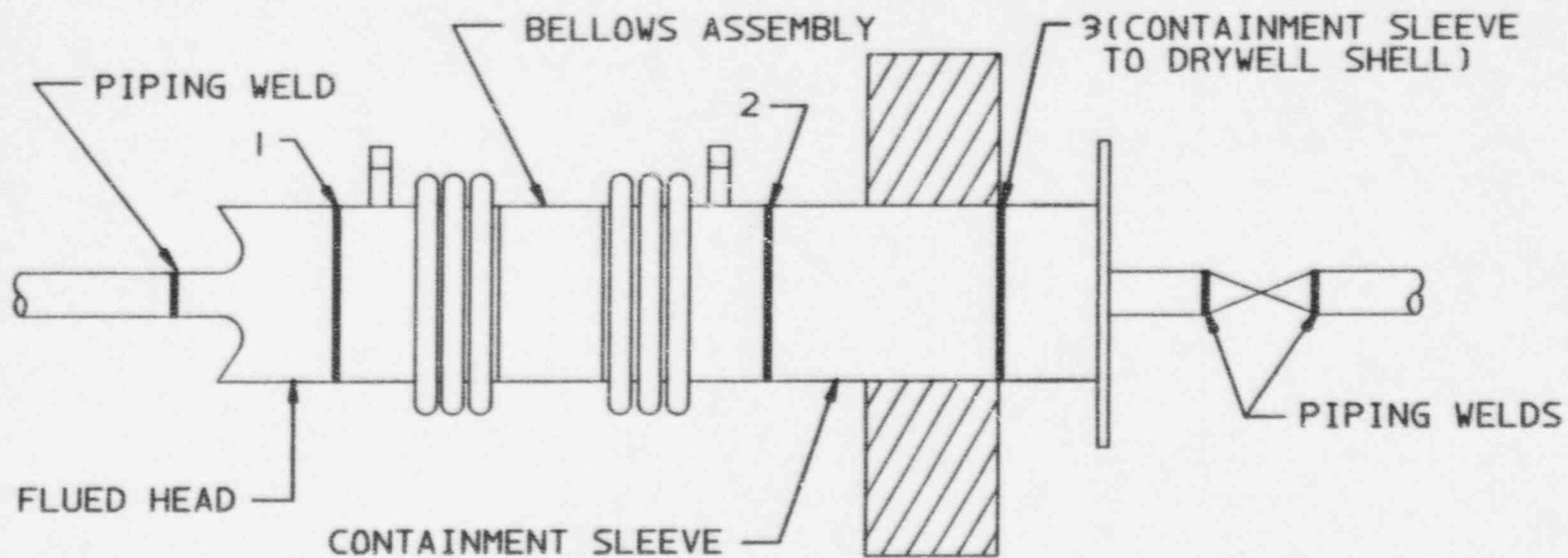
EXAMPLE FOR CRD 1-50-19:
 1-50-19-1 PIPE TO PIPE WELD
 1-50-19-2 PIPE TO FLANGE WELD
 1-50-19-2FB FLANGE BOLTING

NOTE: WELD NUMBER 1 IS
 INACCESSIBLE FOR EXAMINATION

EDWIN I. HATCH UNIT 1
 CRD WELD AND FLANGE
 BOLTING

FIGURE A-34

2	8-10-87	BKG	CWA	MB
REV.	DATE	BY	CHK'D	APPR. 1

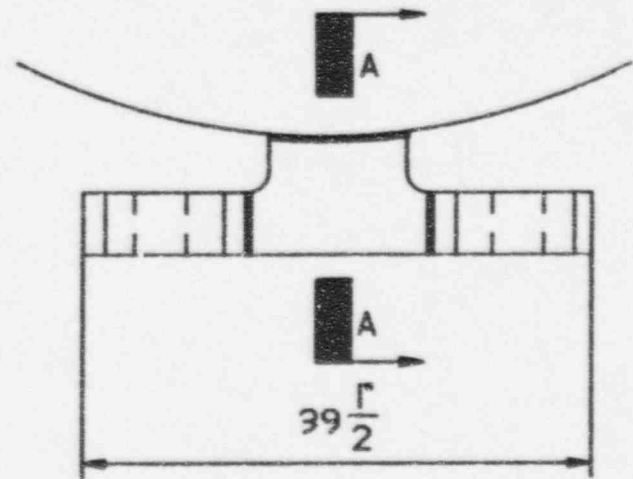
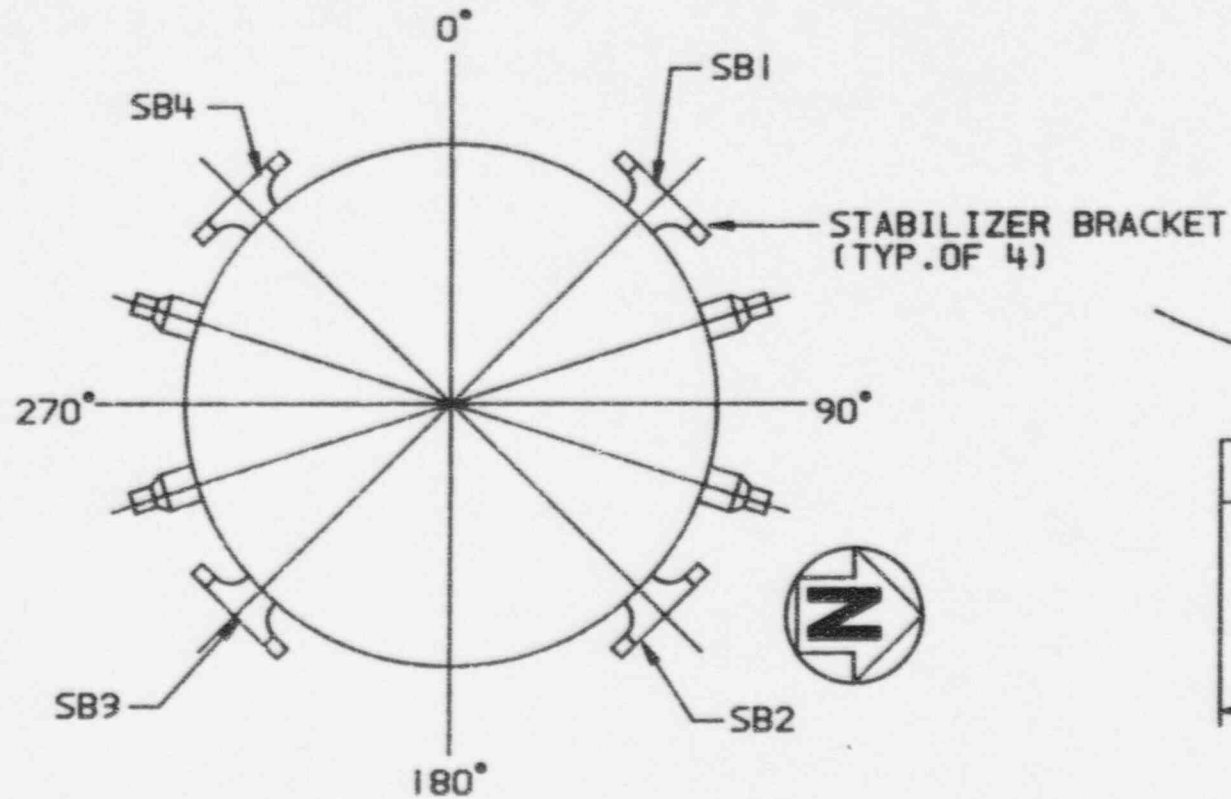


HATCH I DRYWELL PENETRATIONS

DRYWELL PENETRATION "LINE" NUMBERS	ISI PIPING LINE NUMBER
IX9A-FW	IB21-IFW-18A
IX9B-FW	IB21-IFW-18B
IX10-RCIC	IE51-IRCIC-4-D
IX11-HPCI	IE41-HPIC-10-D
IX12-RHR	IE11-IRHR-20B-D
IX13A-RHR	IE11-IRHR-24A-R
IX13B-RHR	IE11-IRHR-24B-R
IX14-RWCU	IG3-IRWCU-6-D
IX16A-CS	IE2-ICS-10A
IX16B-CS	IE2-ICS-10B
IX17-RHR	IE11-IRHR-4-HS

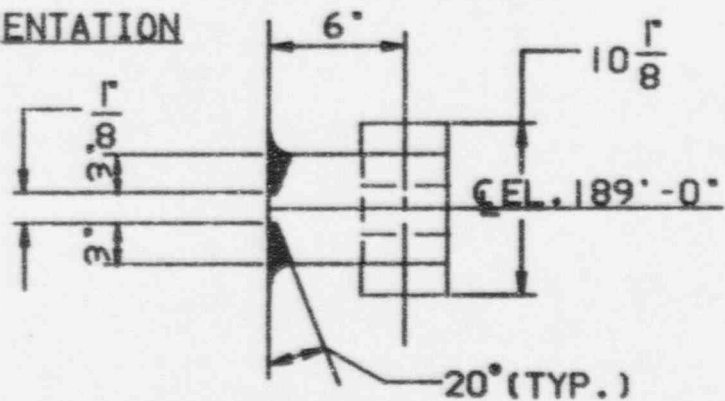
2	8-10-87	BKG	<i>Chd</i>	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE A-35



STABILIZER DETAIL

STABILIZER ORIENTATION
PLAN

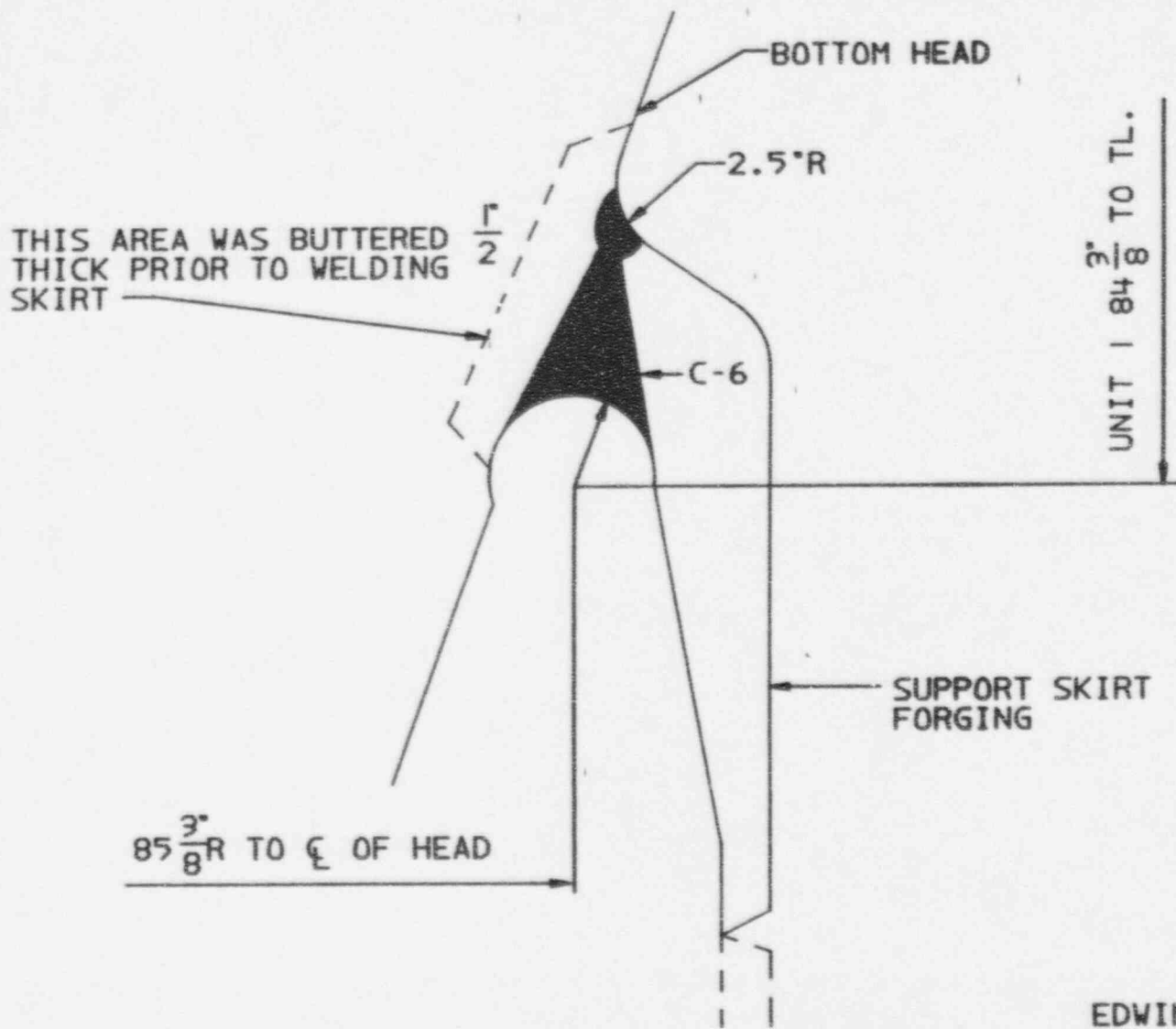


SECTION A-A

1	8-10-87	BKG	<i>MB</i>	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE A-36

EDWIN I. HATCH-UNIT 1
REACTOR STABILIZER ATTACHMENT



EDWIN I. HATCH-UNIT 1
 RPV SUPPORT SKIRT
 ATTACHMENT
 NOTES: REF. C.E. DWG. 234-238

1	8-10-87	BKG	CWA	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE A-97

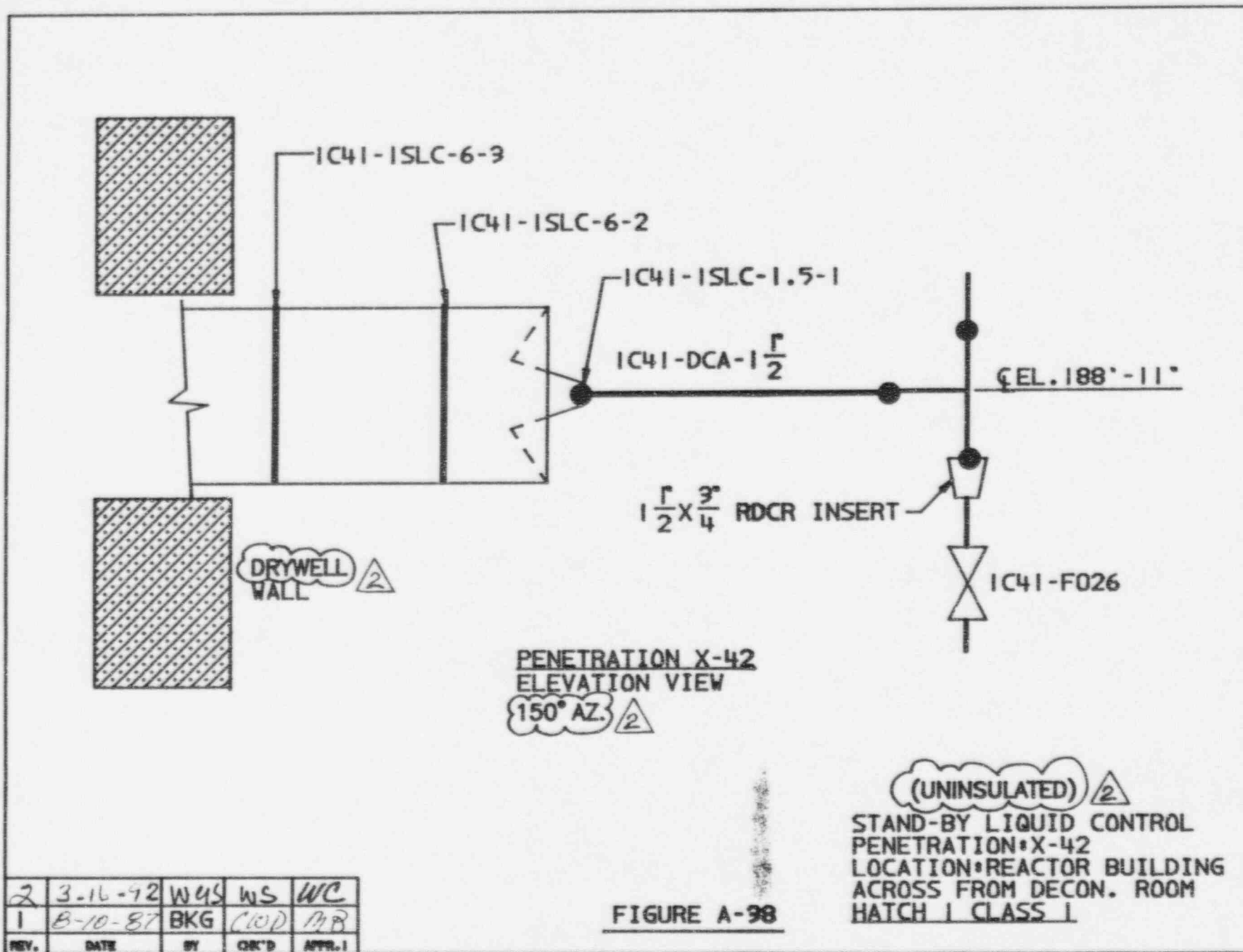
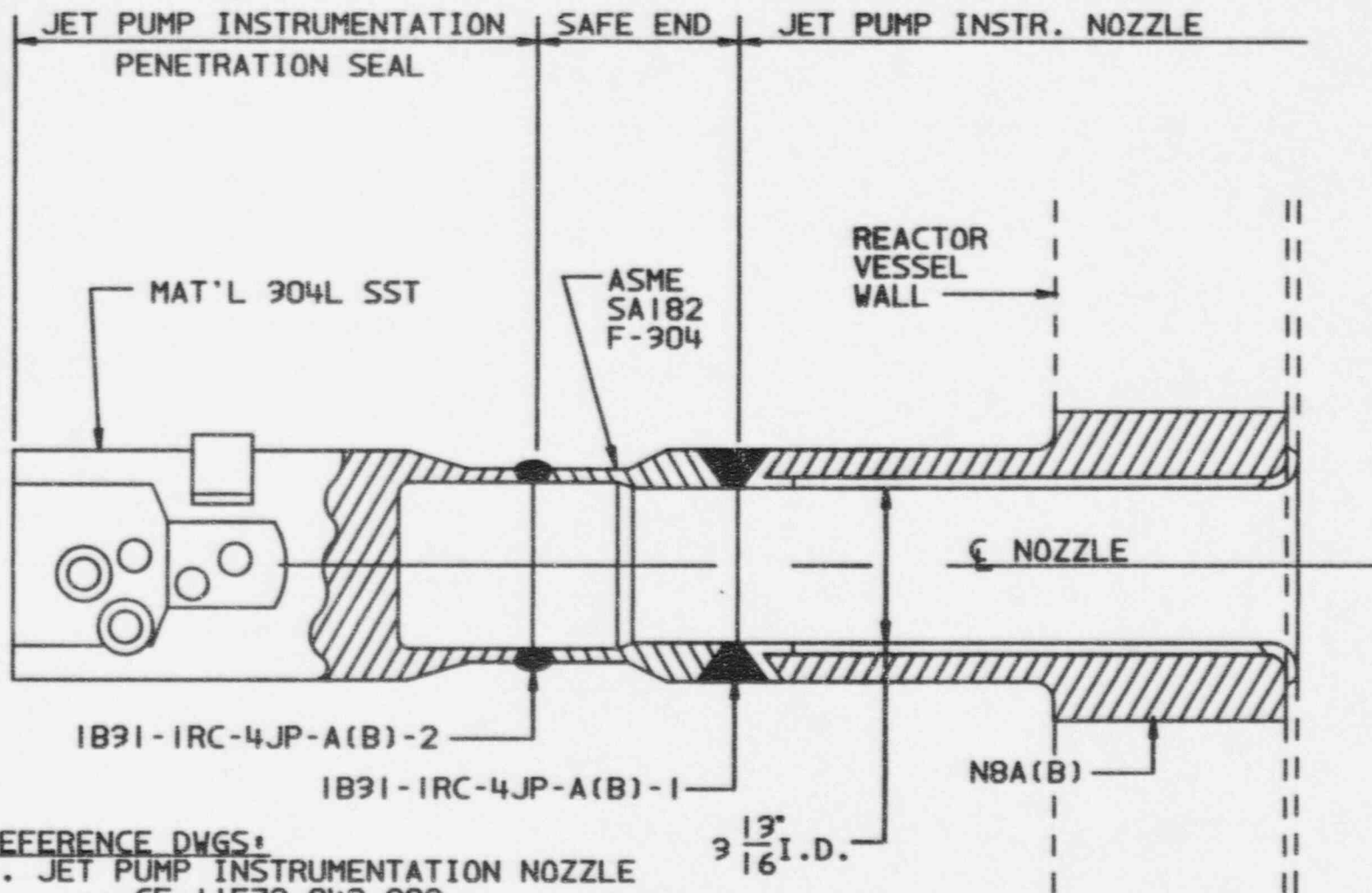


FIGURE A-98



REFERENCE DWGS:

1. JET PUMP INSTRUMENTATION NOZZLE
---CE 11570-842-002
2. JET PUMP INSTRUMENTATION NOZZLE SAFE END
---CE 11570-841-003
3. JET PUMP INSTRUMENTATION PENETRATION SEAL
---S19210

IB31-IRC-4JP-A
IB31-IRC-4JP-B
JET PUMP INSTRUMENTATION
NOZZLE
HATCH 1 CLASS 1
LOCATION: REACTOR VESSEL

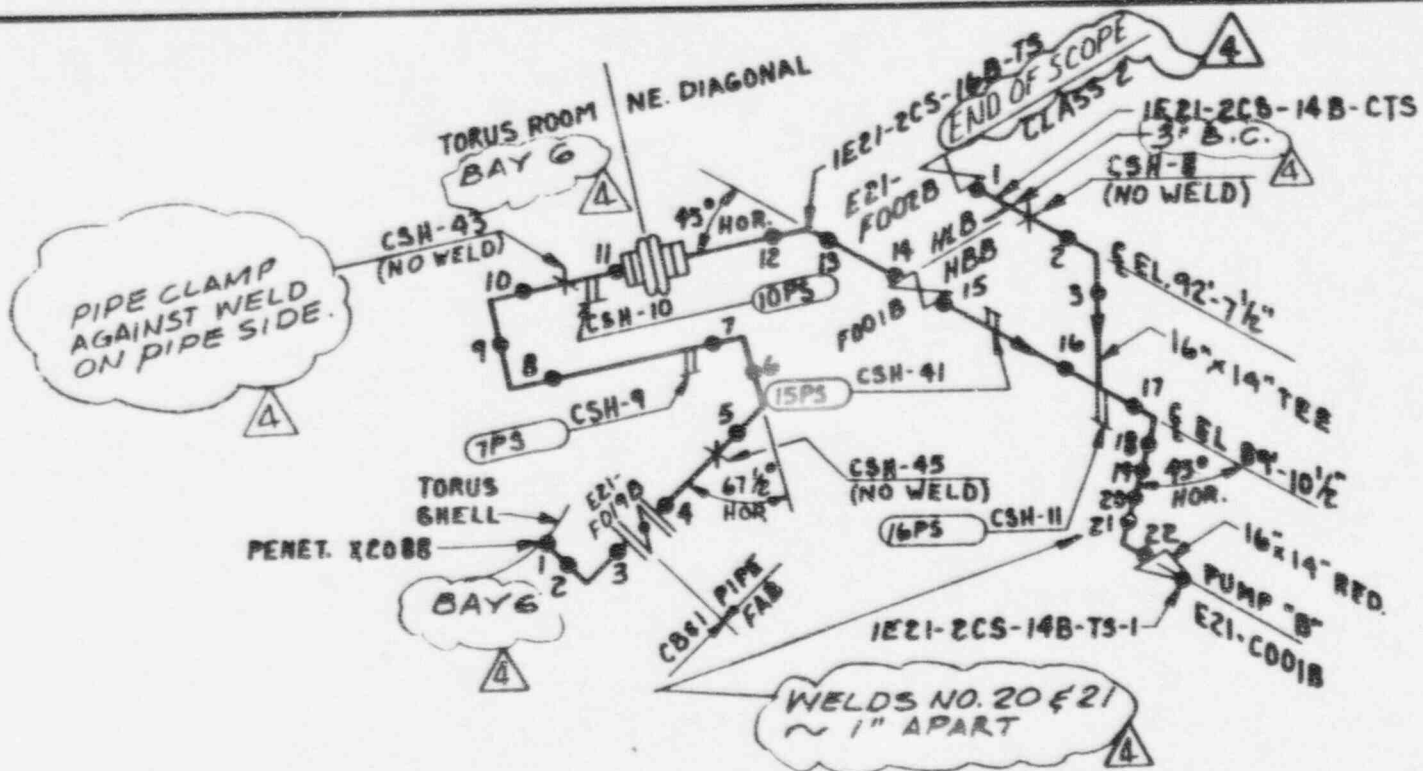
0	8-10-87	BKG	CAD	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE A-39

UNCONTROLLED

Hatch Unit 1 Class 2

B-1/04	B-33/05	B-66/04
B-2/05	B-34/04	B-67/05
B-3/04	B-35/04	B-68/04
B-3A/01	B-36/05	B-69/05
B-4/04	B-37/04	B-70/04
B-5/04	B-38/05	B-70A/02
B-6/06	B-38A/02	B-71/06
B-7/05	B-39/05	B-72/06
B-7A/01	B-40/04	B-73/07
B-8/04	B-41/06	B-74/06
B-9/06	B-42/05	B-75/06
B-10/04	B-43/04	B-76/06
B-10A/01	B-44/05	B-77/06
B-11/04	B-45/05	B-78/05
B-12/04	B-45A/02	B-79/06
B-13/05	B-46/05	B-80/05
B-13A/01	B-47/04	B-81/04
B-14/05	B-48/06	B-82/05
B-15/05	B-49/05	B-83/08
B-16/06	B-49A/01	B-84/03
B-17/04	B-50/05	B-85/05
B-18/05	B-51/05	B-86/VOID
B-19/05	B-52/05	B-87/04
B-20/05	B-53/05	B-88/04
B-21/05	B-54/04	B-88A/01
B-22/05	B-55/06	B-88B/01
B-23/04	B-56/06	B-88C/01
B-24/05	B-57/05	B-89/06
B-25/06	B-58/05	B-90/VOID
B-26/05	B-58A/01	B-91/VOID
B-27/05	B-59/05	B-92/VOID
B-28/05	B-60/05	B-93/01
B-29/04	B-61/05	B-94/01
B-30/06	B-62/05	B-95/02
B-31/05	B-63/05	B-96/01
B-32/04	B-64/04	B-97/01
	B-65/04	B-98/01
		B-99/01
		B-100/01



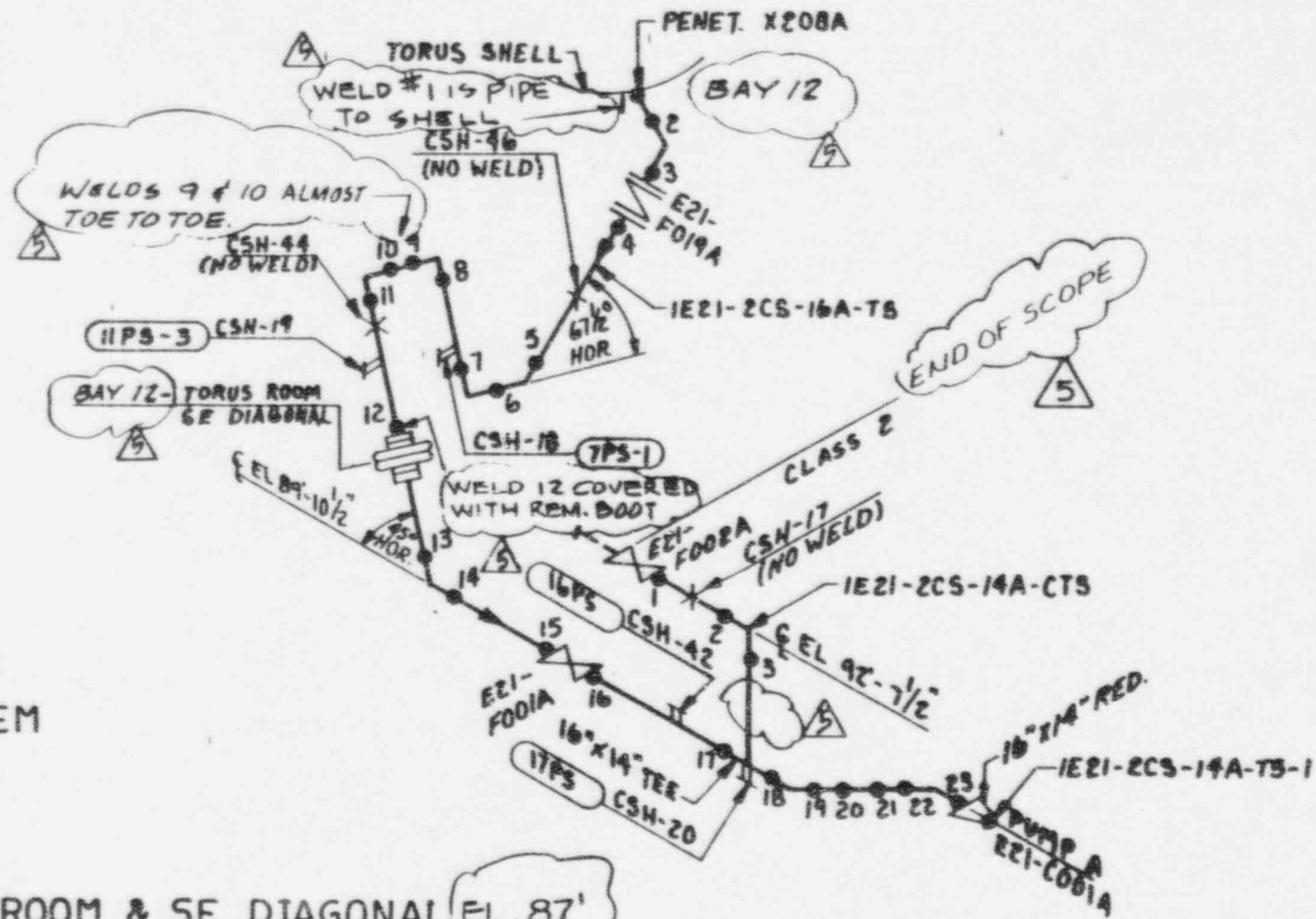
IE21-2CS-14B-CTS
 IE21-2CS-14B-TS
 IE21-2CS-16B-TS
 CORE SPRAY SYSTEM
 HATCH 1, CLASS 2

LOCATION: TORUS ROOM & NE
 DIAGONAL (EL. 87)
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY E21
 UNINSULATED

FIGURE B-1

REF. ISO. H-16859 REV. 1
 AND H-16862 REV. 2

REV	DATE	BY	CHK'D	APPR 1
3	6-19-91	WBS	WBS	WHC
2	7-22-87	SEI	WBS	WJC
1	3-16-92	WBS	WBS	WHC



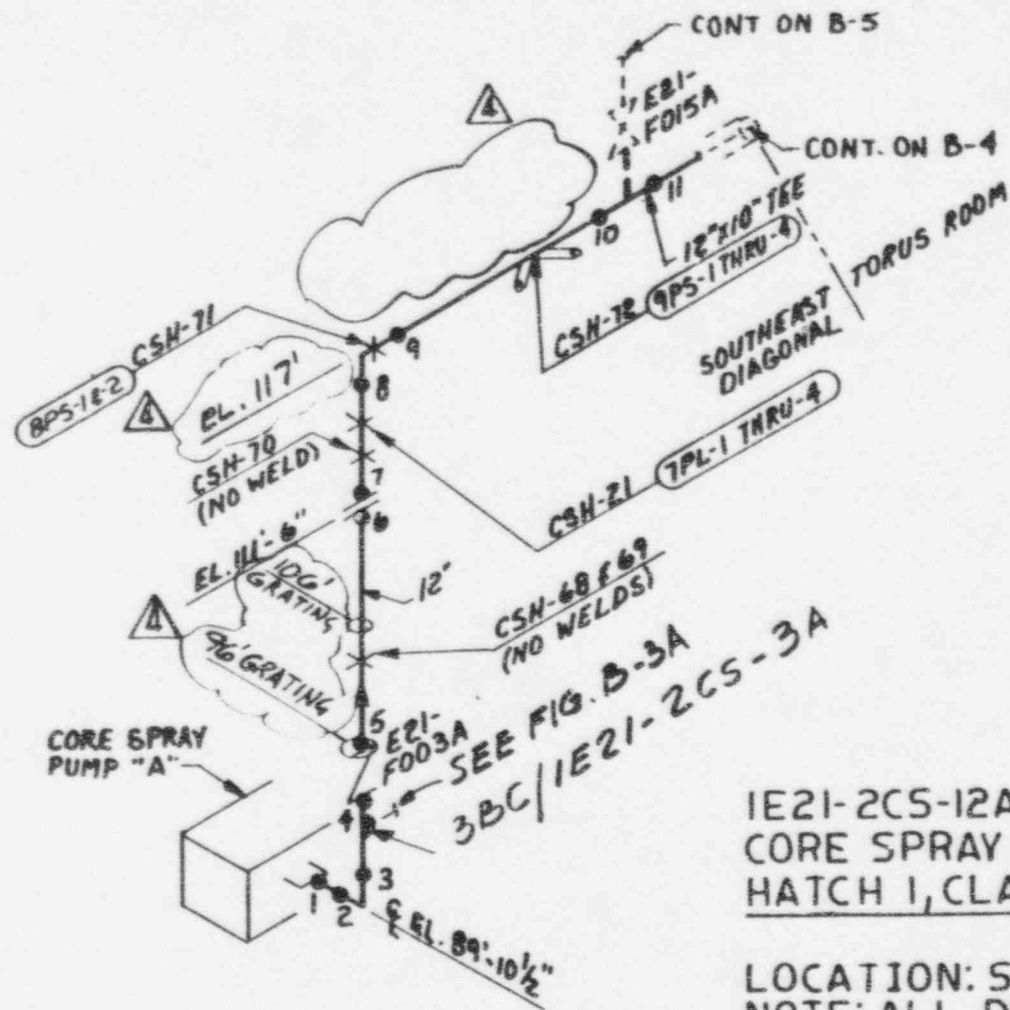
IE21-2CS-14A-CTS
 IE21-2CS-14A-TS
 IE21-2CS-16A-TS
 CORE SPRAY SYSTEM
 HATCH 1, CLASS 2
 (UNINSULATED)

LOCATION: TORUS ROOM & SE DIAGONAL EL. 87'
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY E21

REF. ISO(E21-100)H-16862 REV. 2
 AND H-16945 REV. 0

FIGURE B-2

4	6-17-91	was	ws	WHC
3	7-22-87	set	ws	CWD
5	3-16-92	was	ws	WHC
REV	DATE	BY	CHK'D	APPR 1

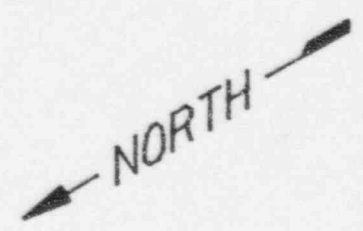
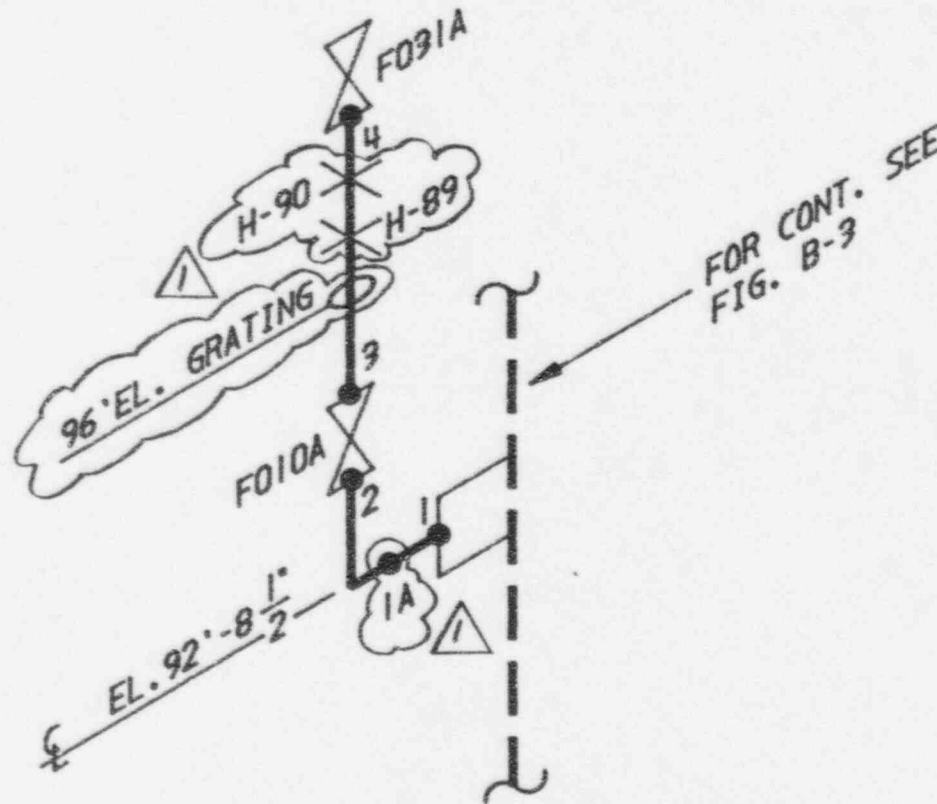


1E21-2CS-12A
 CORE SPRAY SYSTEM
 HATCH 1, CLASS 2

LOCATION: SE DIAGONAL, EL. 87' 9 1/2" 106"
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY E21
 REF. ISO(E21-101)H-16860 REV. 2
 (UNINSULATED)

FIGURE B-3

3	6-19-91	WES	NS	WHC
2	7-6-87	WS	BSI	CWD
1	3-16-92	WMS	WSP	WHC
REV	DATE	BY	CHK'D	APPR 1



FOR CONT. SEE
FIG. B-3

NOTES:

1. PIPE SUPPORT
NUMBERS PRECEDED
BY E21-CS-

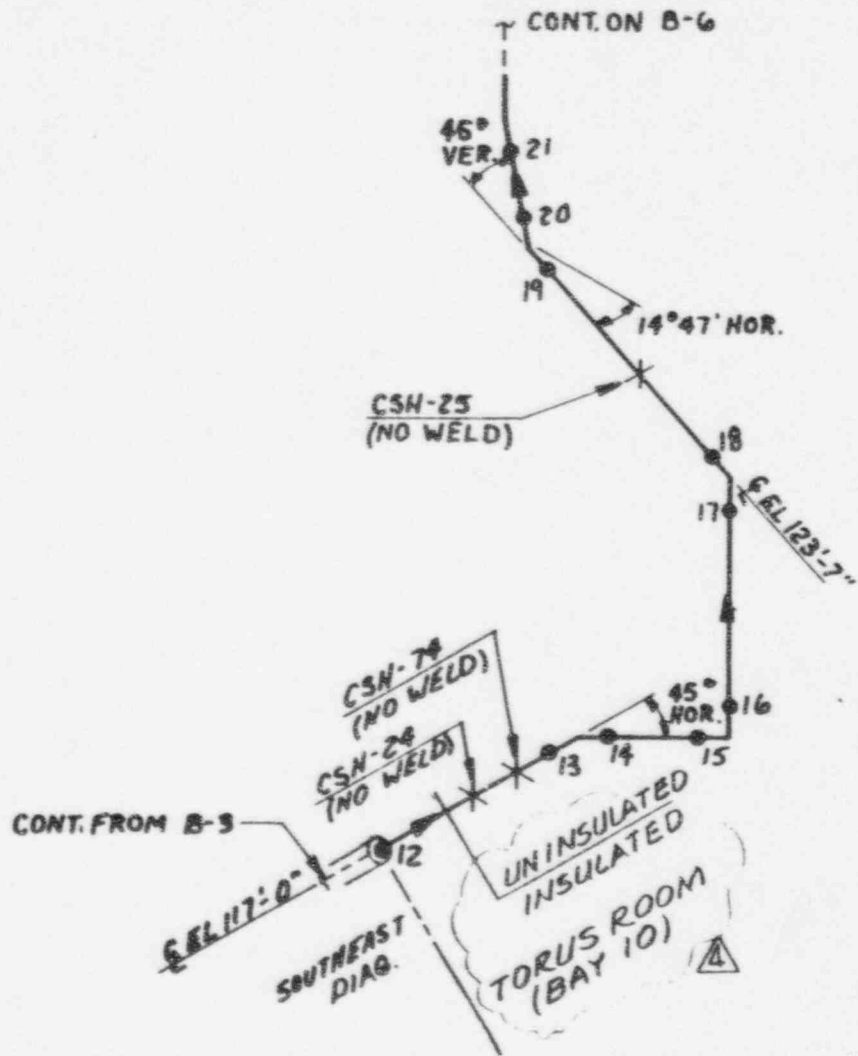
2. REFERENCE ISD.
H-16864 (E21-105)
REV. 0

(UNINSULATED)
1E21-2CS-3A
CORE SPRAY SYSTEM

HATCH 1 CLASS 2
LOCATION: SOUTH EAST
DIAGONAL 87' & 96'

FIGURE B-3A

1	3-16-92	N&S	NS	WC
0	8-7-87	BST	WS	CWD
REV.	DATE	BY	CHK'D	APPR. 1

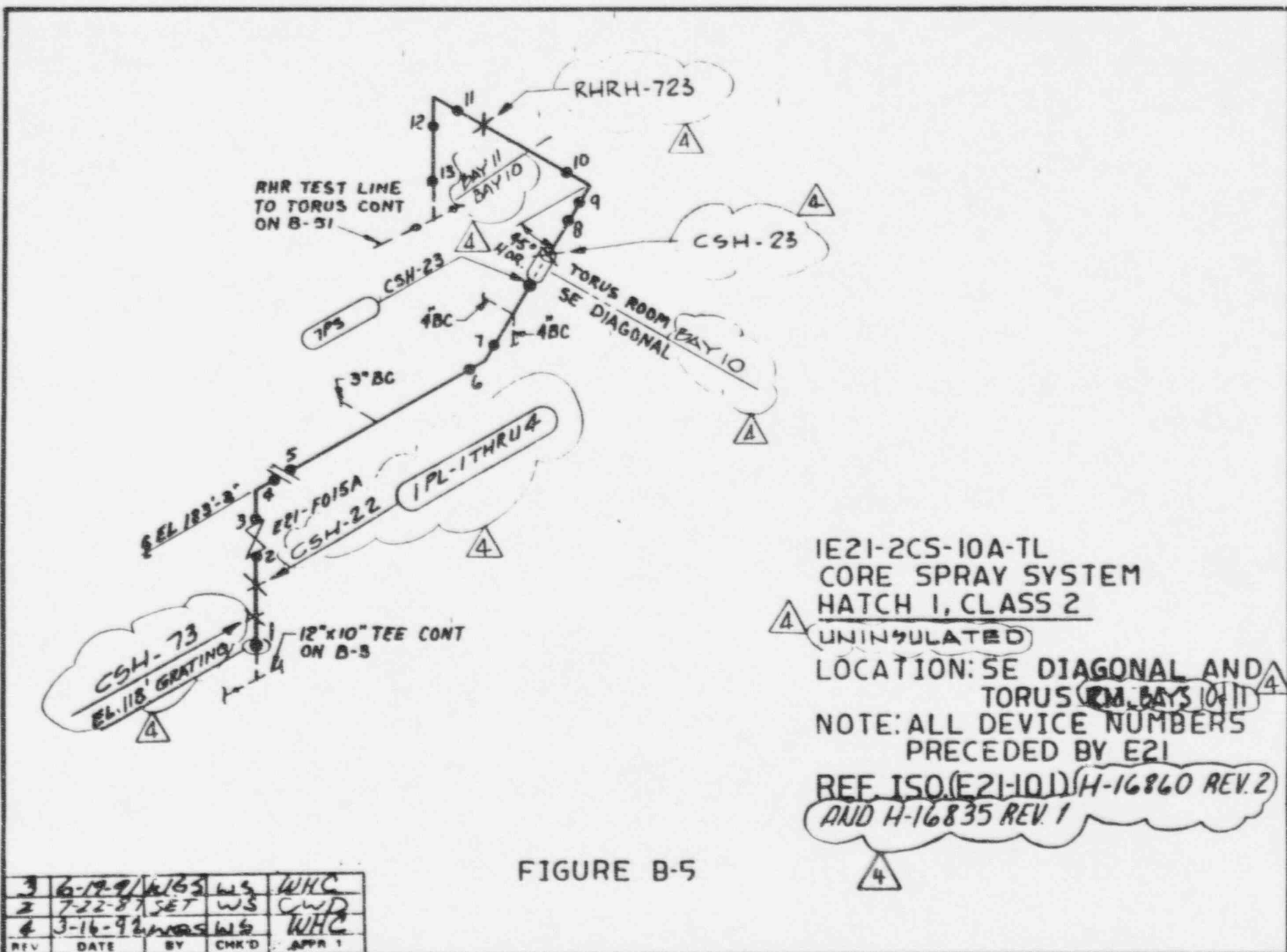


IE21-2C5-12A
 CORE SPRAY SYSTEM
 HATCH 1, CLASS 2

LOCATION: TORUS ROOM BAY 10
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY E21
 REF. ISO. (E21-101) H-16860 REV. 2
 PARTIALLY INSULATED

FIGURE B-4

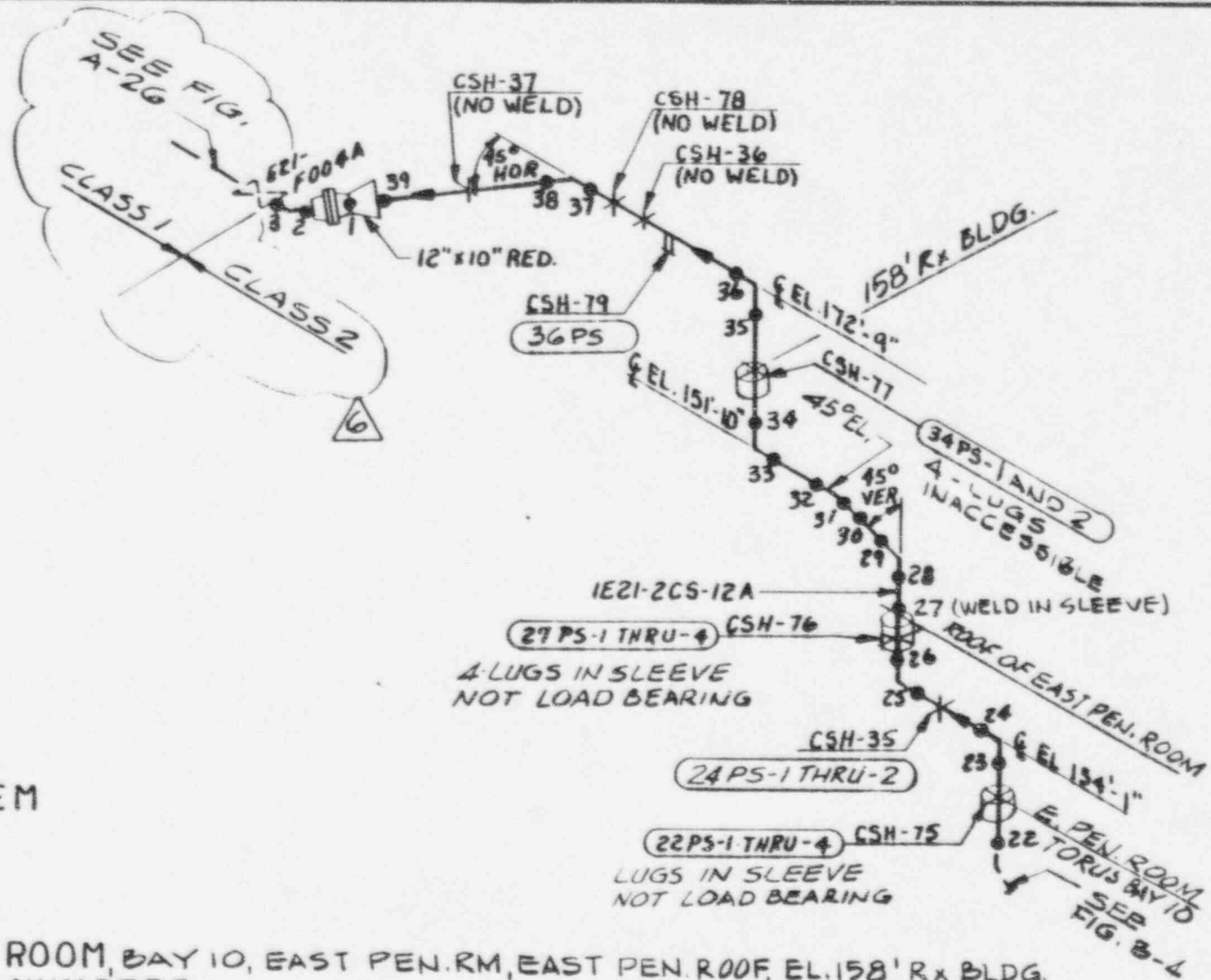
3	6-19-91	WGS	WS	WHC
2	7-22-87	SET	WS	CWD
1	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1




IE21-2CS-10A-TL
 CORE SPRAY SYSTEM
 HATCH 1, CLASS 2
 UNINSULATED
 LOCATION: SE DIAGONAL AND
 TORUS ROOM BAYS 10 & 11
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY E21
 REF ISO (E21-101) H-16860 REV. 2
 AND H-16835 REV. 1

FIGURE B-5

3	6-19-91	WBS	WS	WHC
2	7-22-87	SET	WS	CWD
4	3-16-92	WBS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1





 IE21-2CS-12A
 CORE SPRAY SYSTEM
 HATCH 1, CLASS 2

UNINSULATED

LOCATION: TORUS ROOM, BAY 10, EAST PEN. RM, EAST PEN. ROOF, EL. 158' R x BLDG.

NOTE: ALL DEVICE NUMBERS
 PRECEDED BY E21
 REF. ISO.(E21-101) H-16860 REV.2

FIGURE B-6

6	12-15-93	WS	KFW	WC
5	2-11-93	WGS	WS	WC
4	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1

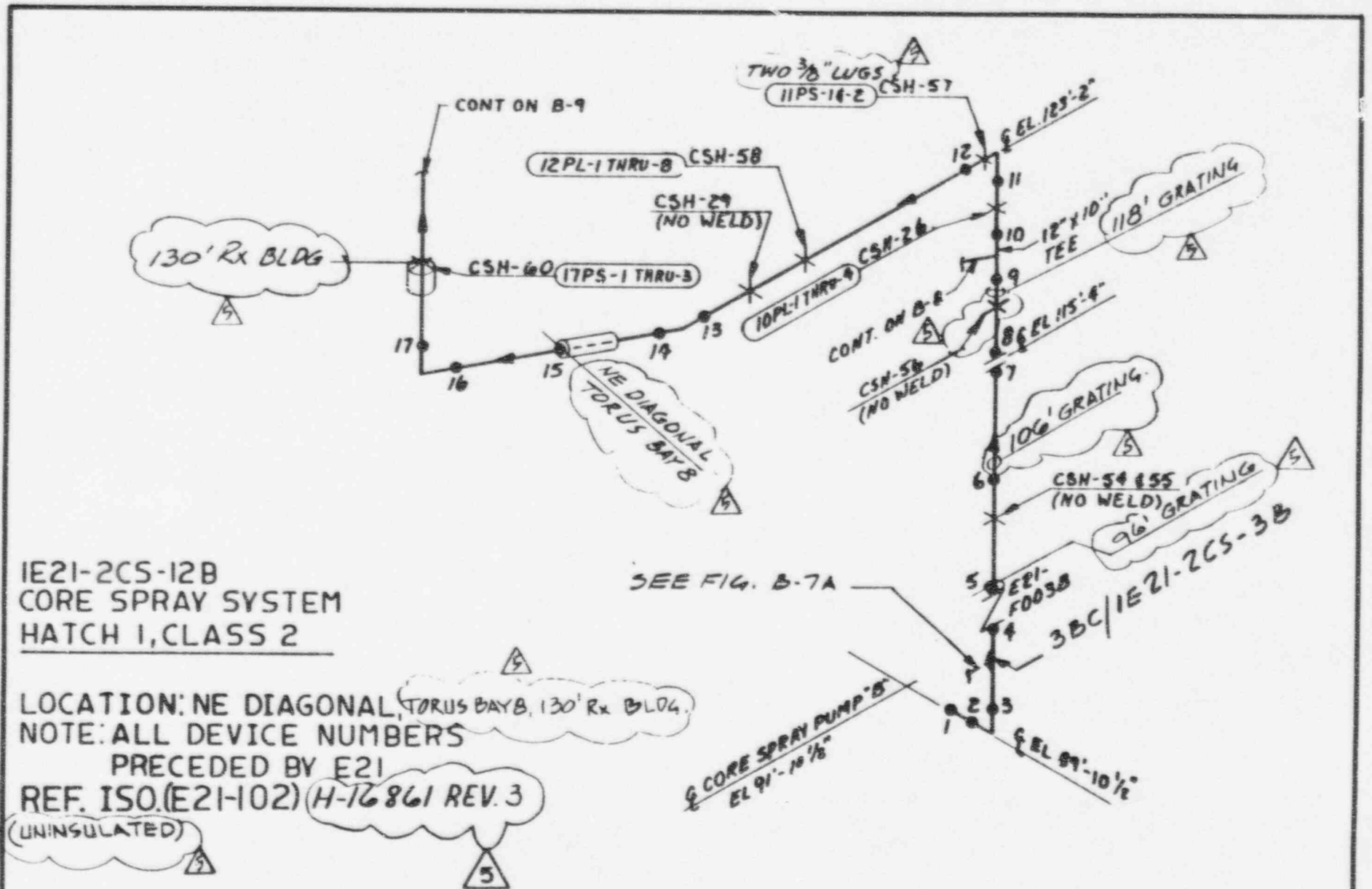
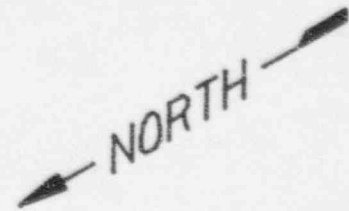
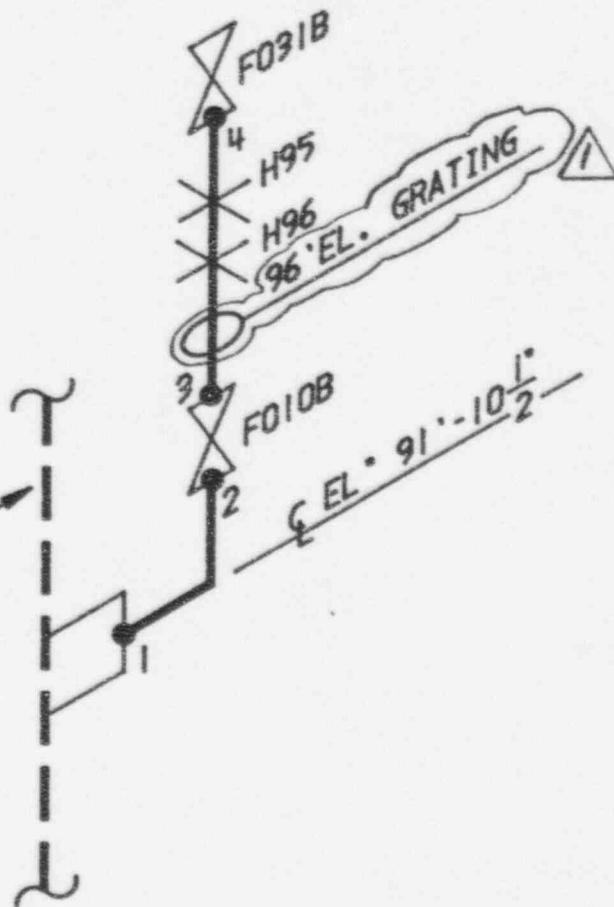


FIGURE B-7

4	6-19-91	WLS	WS	WHC
3	7/6/87	WLS	BSI	(WLD)
5	3-16-92	WLS	WLS	WHC
REV	DATE	BY	CHK'D	APPR 1

FOR CONT.
FIG. B-7



NOTES:

1. PIPE SUPPORT
NUMBERS PRECEDED
BY E21-CS-

2. REFERENCE ISD.

H-16863 (E21-104)
REV. 1



(UNINSULATED)

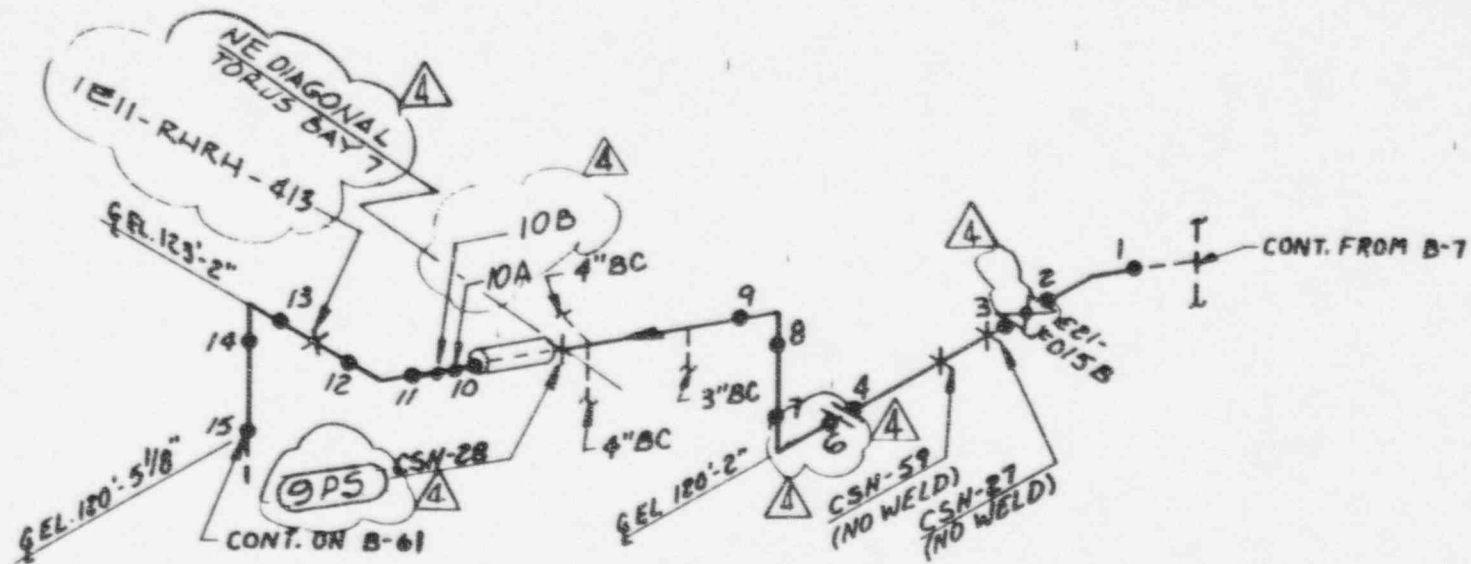
1E21-2CS-3B
CORE SPRAY SYSTEM

HATCH 1 CLASS 2

LOCATION: NORTH EAST
DIAGONAL

FIGURE B-7A

1	3-16-92	WMS	WS	WC
0	8-7-87	BST	WS	CWD
REV.	DATE	BY	CHK'D	APPR. 1



IE21-2CS-10B-TL
CORE SPRAY SYSTEM
HATCH 1, CLASS 2

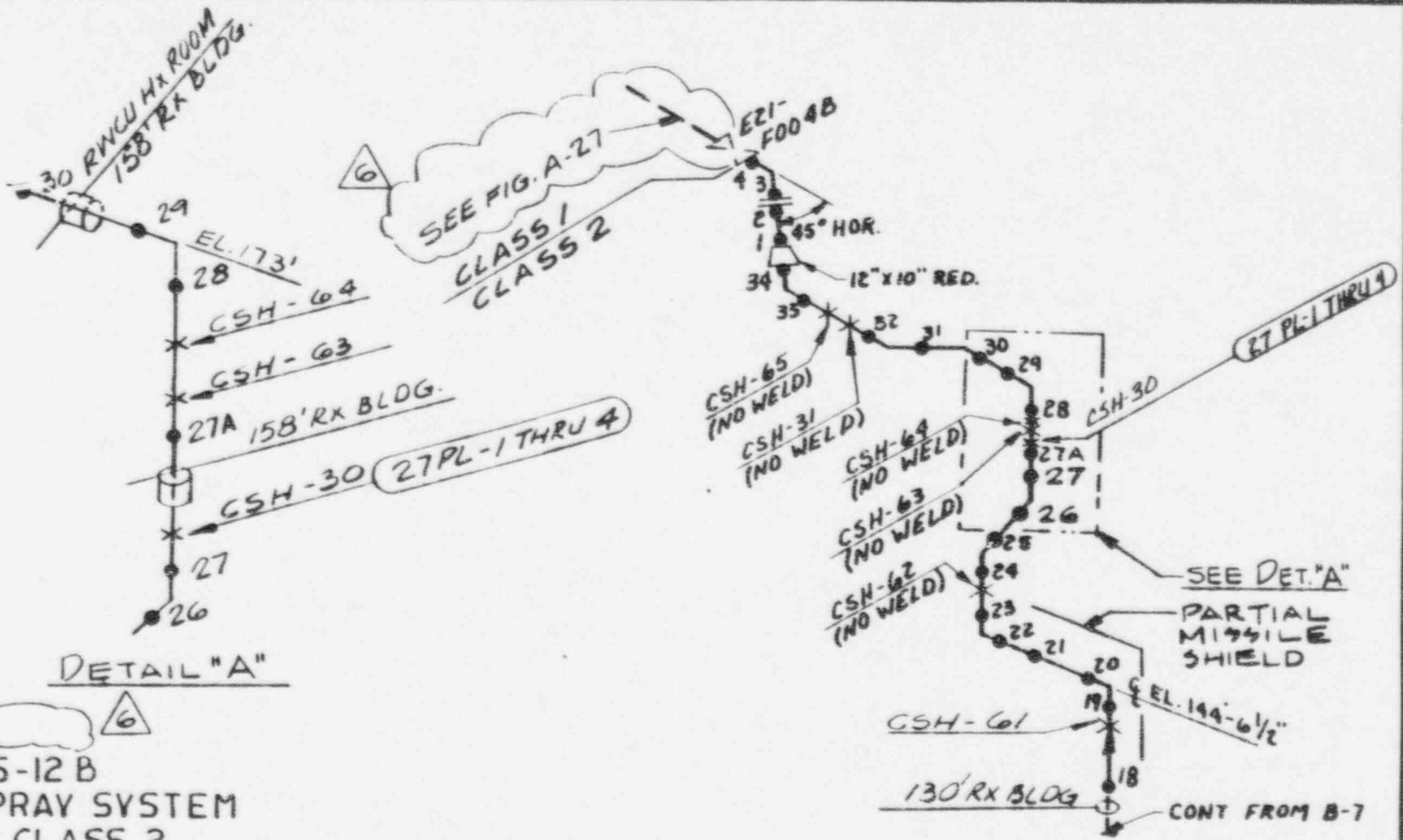
LOCATION: TORUS BAY 7 &
NE DIAGONAL.
NOTE: ALL DEVICE NUMBERS
PRECEDED BY E21

REF. ISO (E21-102)
H-16861 REV. 3 - UNINSULATED



FIGURE B-8

3	6-19-91	WSS	WS	WHC
2	7-22-87	SET	WS	WHC
4	9-16-92	WSS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1



SEE FIG. A-27
CLASS 1
CLASS 2

DETAIL "A"

6

IE21-2CS-12 B
CORE SPRAY SYSTEM
HATCH 1, CLASS 2

UNINSULATED

REF. ISO. H-16861 REV. 3

LOCATION: 150' Rx. BLDG., 150' Rx. BLDG., RWCU Hx. RM.

NOTE: ALL DEVICE NUMBERS
PRECEDED BY E21

FIGURE B-9

4	6-19-91	WGS	WS	WHC
6	12-15-93	WGS	RFW	WHC
5	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1

PARTIALLY INSULATED
 IE41-2HPCI-10-R
 IE41-2HPCI-14-R
 HIGH PRESSURE COOLANT
 INJECTION SYSTEM
 HATCH 1, CLASS 2

LOCATION: HPCI ROOM
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY E41

REF. ISO(E41-104) H-16869 REV.1

REV	DATE	BY	CHK D	APPR 1
3	6-14-91	WBS	WHS	WHC
2	7/6/87	BST	WBS	WHS
4	3-16-92	WBS	WHS	WHC

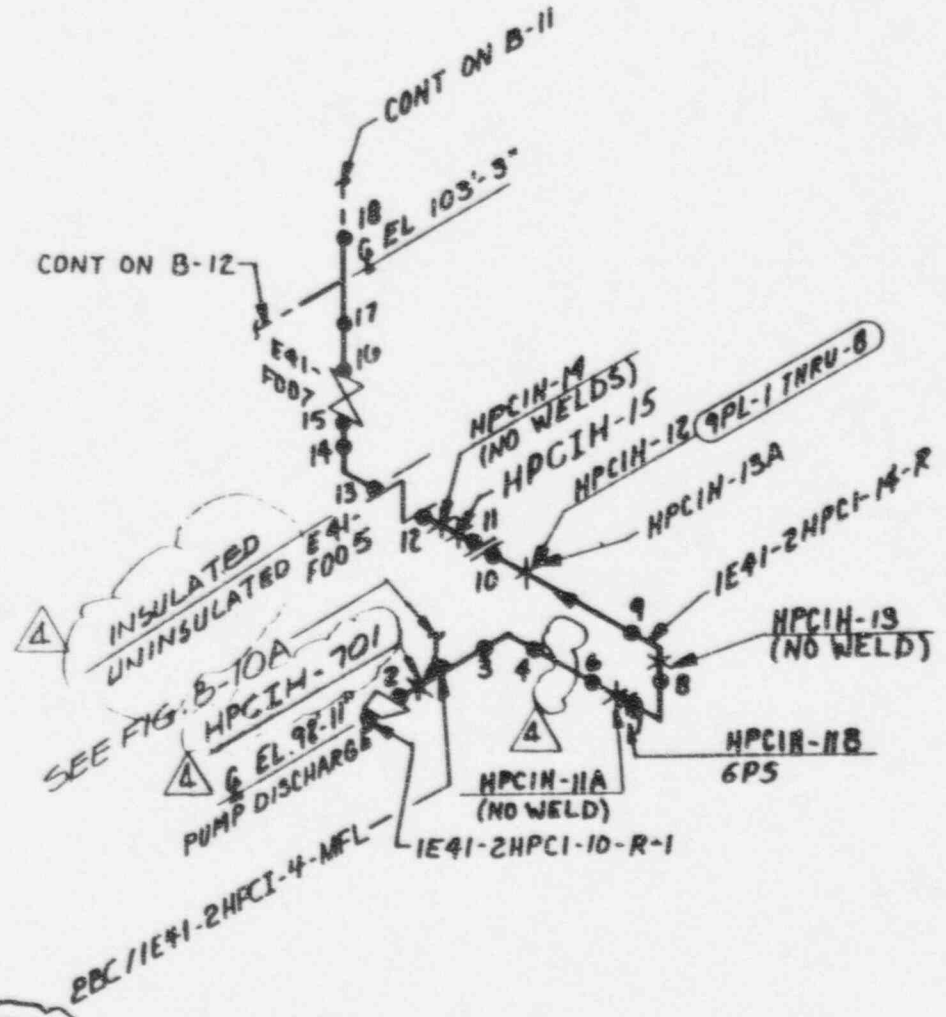
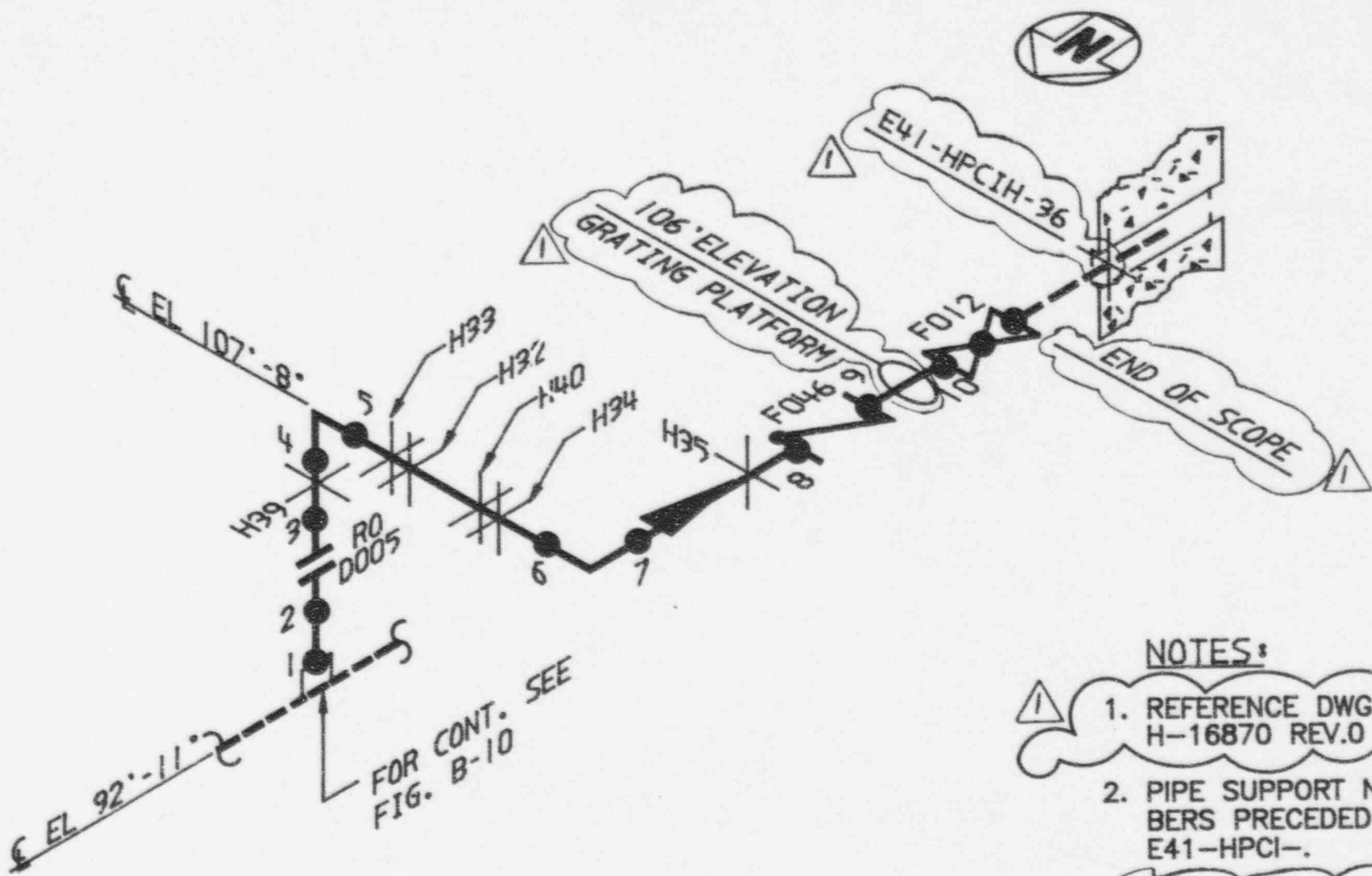


FIGURE B-10



- NOTES:**
- 1. REFERENCE DWG. H-16870 REV.0
 - 2. PIPE SUPPORT NUMBERS PRECEDED BY E41-HPCI-
- (UNINSULATED)
- E41-2HPCI-4-MFL
 MINIMUM FLOW LINE
 HPCI SYSTEM
 HATCH 1 CLASS 2
 LOCATION: HPCI ROOM

FIGURE B-10A

1	3-16-92	WGS	WS	WC
0	8-7-87	BST	WS	CWD
REV.	DATE	BY	CHK'D	APPR.1

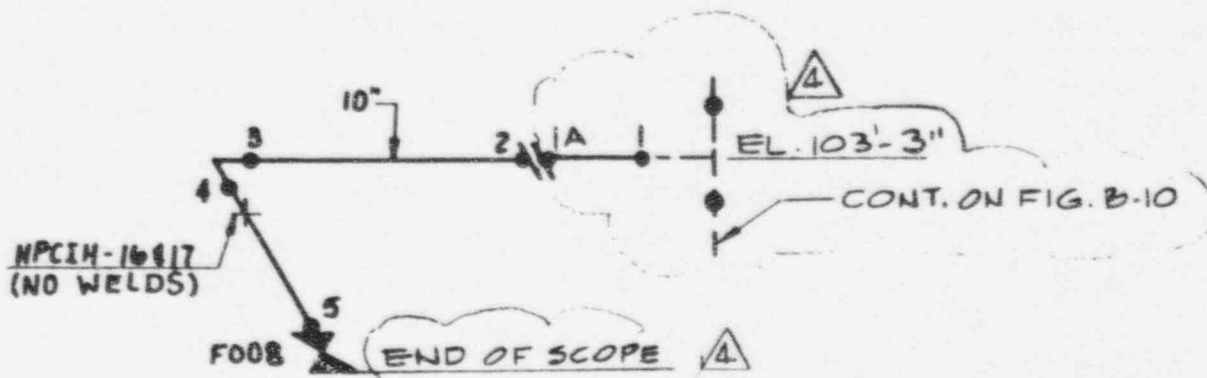


NOM DIA 14"
 MATERIAL CS
 NOM WALL .938"
 INSULATED
 REFERENCE ISO. H-16869 REY1



4	4-16-92	W3	W3	WHC
3	7-24-87	SET	WS	(W12)
2	2-5-87	BKG	WS	MB
RF:	DATE	BY	CHK'D	APP'R

HPCI PUMP DISCHARGE
 IE41-2HPCI-14-R



IE41-2HPCI-10-TL
 HPCI PUMP TEST LINE TO CST
 HATCH 1, CLASS 2

△
 INSULATED

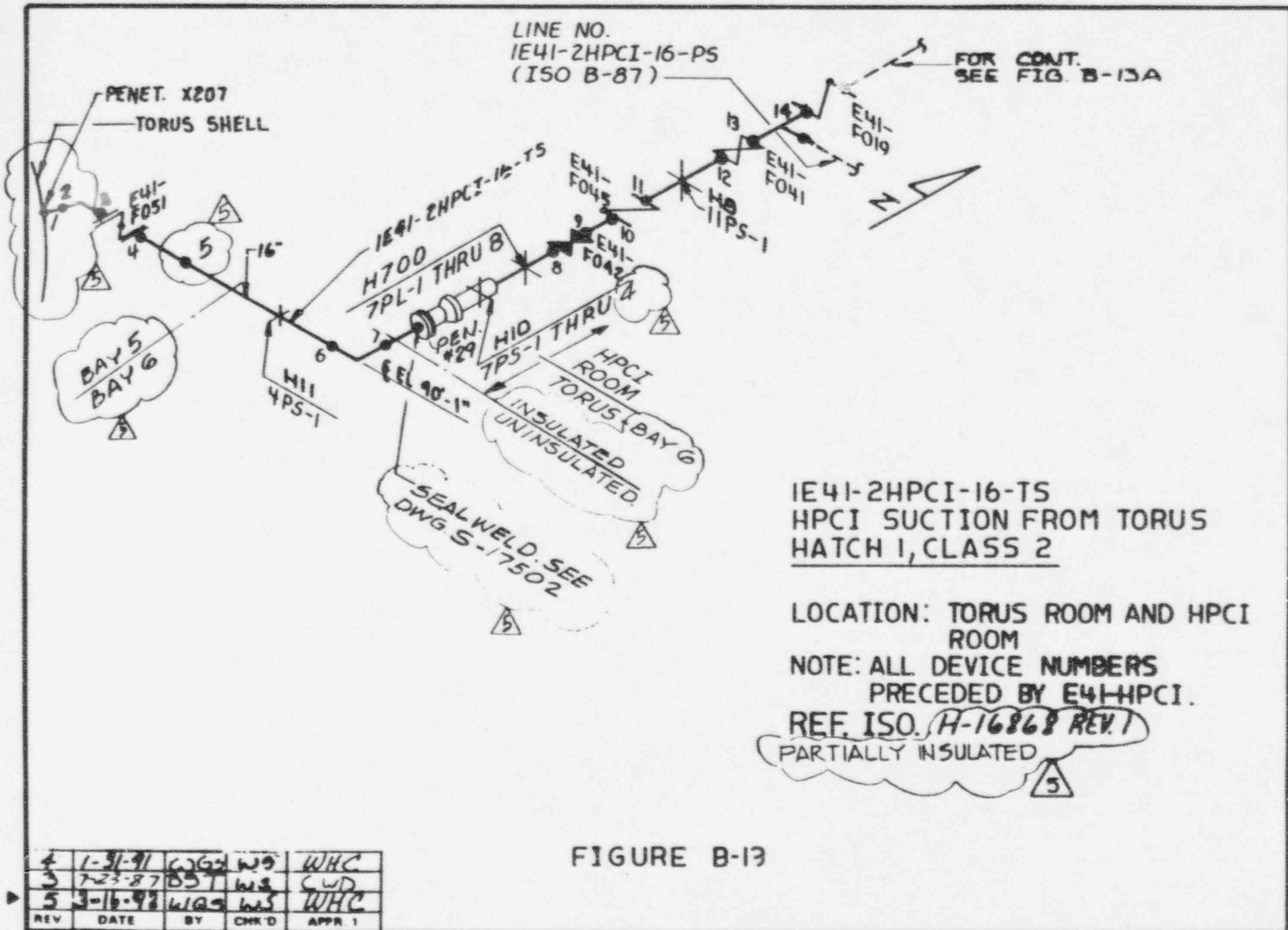
LOCATION: HPCI ROOM
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE41

REF. ISO. H-16869 REV. 1

△
 4

FIGURE B-12

3	1-31-91	WGS	WS	WHC
2	7-22-87	SET	WS	CHD
4	8-16-90	WGS	WS	WHC
REV.	DATE	BY	CHKD	APP'D



LINE NO.
IE41-2HPCI-16-PS
(ISO B-87)

FOR CONT.
SEE FIG. B-13A

IE41-2HPCI-16-TS
HPCI SUCTION FROM TORUS
HATCH 1, CLASS 2

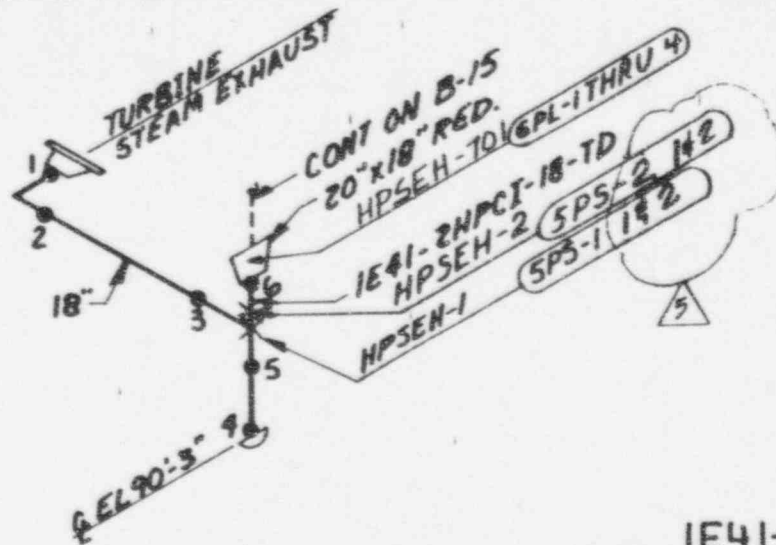
LOCATION: TORUS ROOM AND HPCI
ROOM

NOTE: ALL DEVICE NUMBERS
PRECEDED BY E41-HPCI.

REF. ISO. H-16868 REV. 1
PARTIALLY INSULATED

4	1-31-91	WGS	WS	WHC
3	7-23-87	DST	WS	CWD
5	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR. 1

FIGURE B-13



IE41-2HPCI-18-TD
 HPCI TURBINE STEAM EXHAUST
 HATCH 1, CLASS 2

△ 5 INSULATED

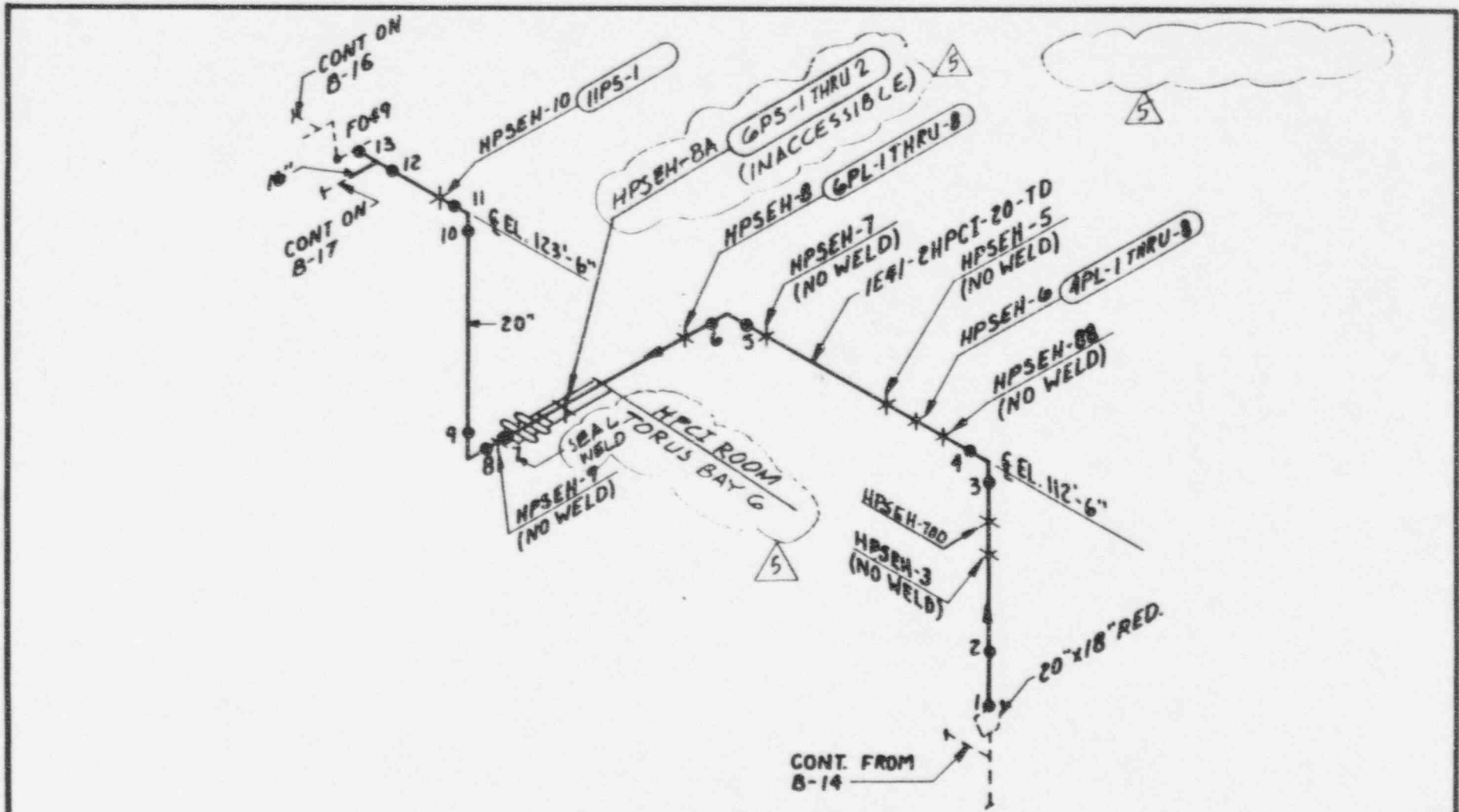
LOCATION: HPCI ROOM
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE41

REF. ISO. H-16867 REV. 2

△ 5

FIGURE B-14

2	6-19-91	WSS	WS	WHC
3	7-23-87	SET	WS	CLD
5	3-16-98	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1

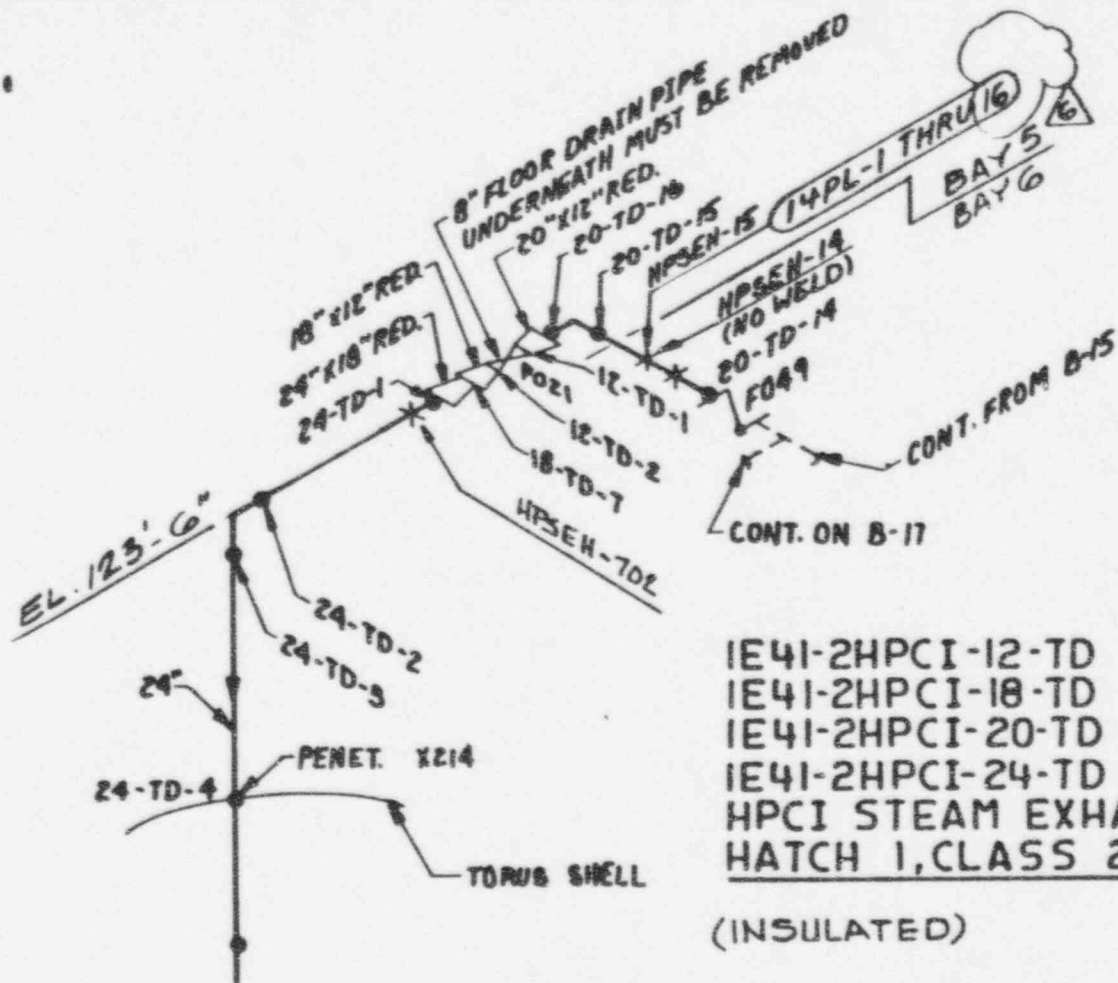


IE41-2HPCI-20-TD
HPCI TURBINE STEAM EXHAUST
HATCH 1. CLASS 2

INSULATED
LOCATION: HPCI ROOM & TORUS BAY G
NOTE: ALL DEVICE NUMBERS
PRECEDED BY IE41
REF. ISO. (H-16867 REV. 2)

FIGURE B-15

4	1-31-91	WGS	WSS	WHC
3	7/17/87	SET	WSS	SWD
3	3-16-90	WGS	WSS	WHC
REV	DATE	BY	CHK'D	APPR 1

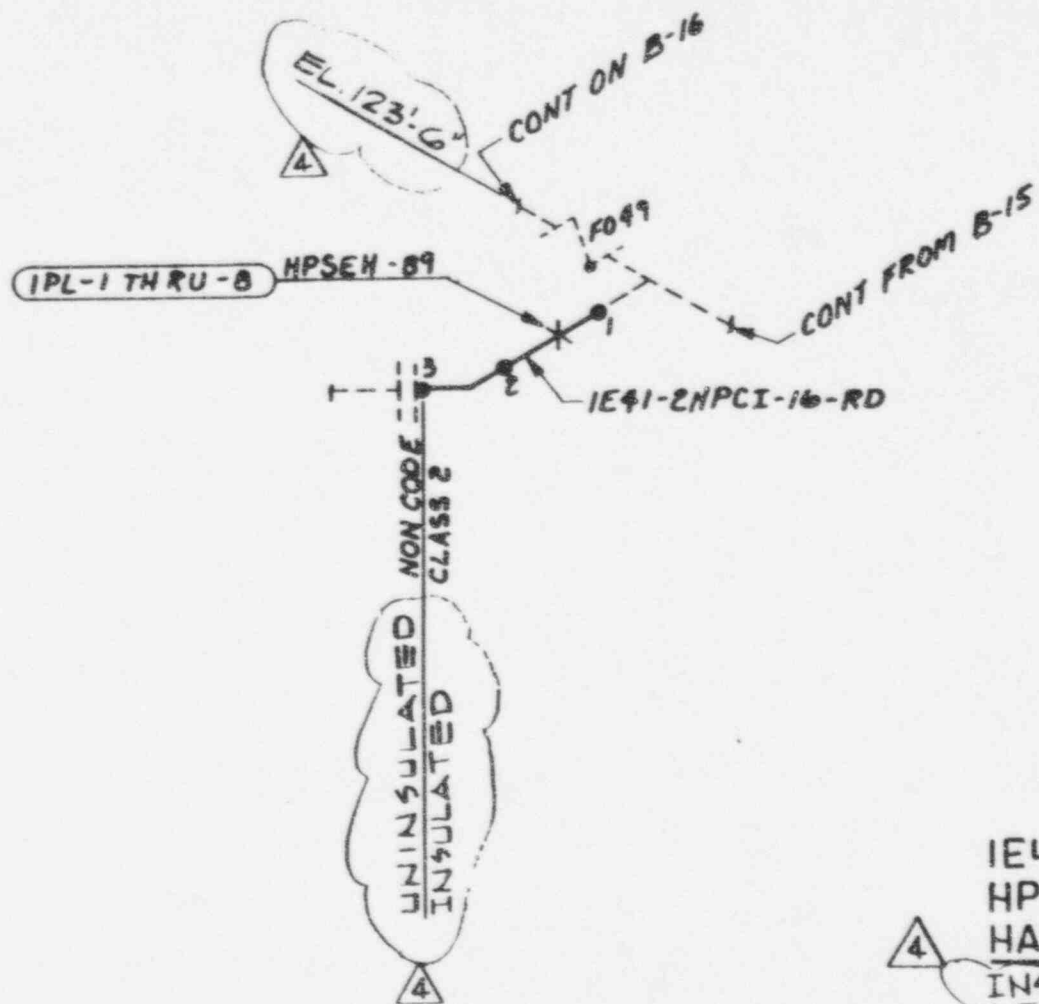


IE41-2HPCI-12-TD
 IE41-2HPCI-18-TD
 IE41-2HPCI-20-TD
 IE41-2HPCI-24-TD
 HPCI STEAM EXHAUST
 HATCH 1, CLASS 2
 (INSULATED)

LOCATION: TORUS-BAY 5 & 6
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE41
 REF. ISO. H-16867 REV. 2

FIGURE B-16

2	6-19-91	WGS	WIS	WHC
6	2-11-93	WGS	WS	WIC
5	3-16-92	WGS	WIS	WHC
REV	DATE	BY	CHK'D	APPR 1



IE41-2HPCI-16-RD
 HPCI-TURBINE EXH. RUPTURE DISC
 HATCH 1, CLASS 2

INSULATED

LOCATION: TORUS BAY 6

NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE41

REF. ISO. H-16867 REV. 2

FIGURE B-17

3	1-31-91	WGS	WS	WHC
2	7-23-87	SET	WS	CWD
4	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHKD	APPD

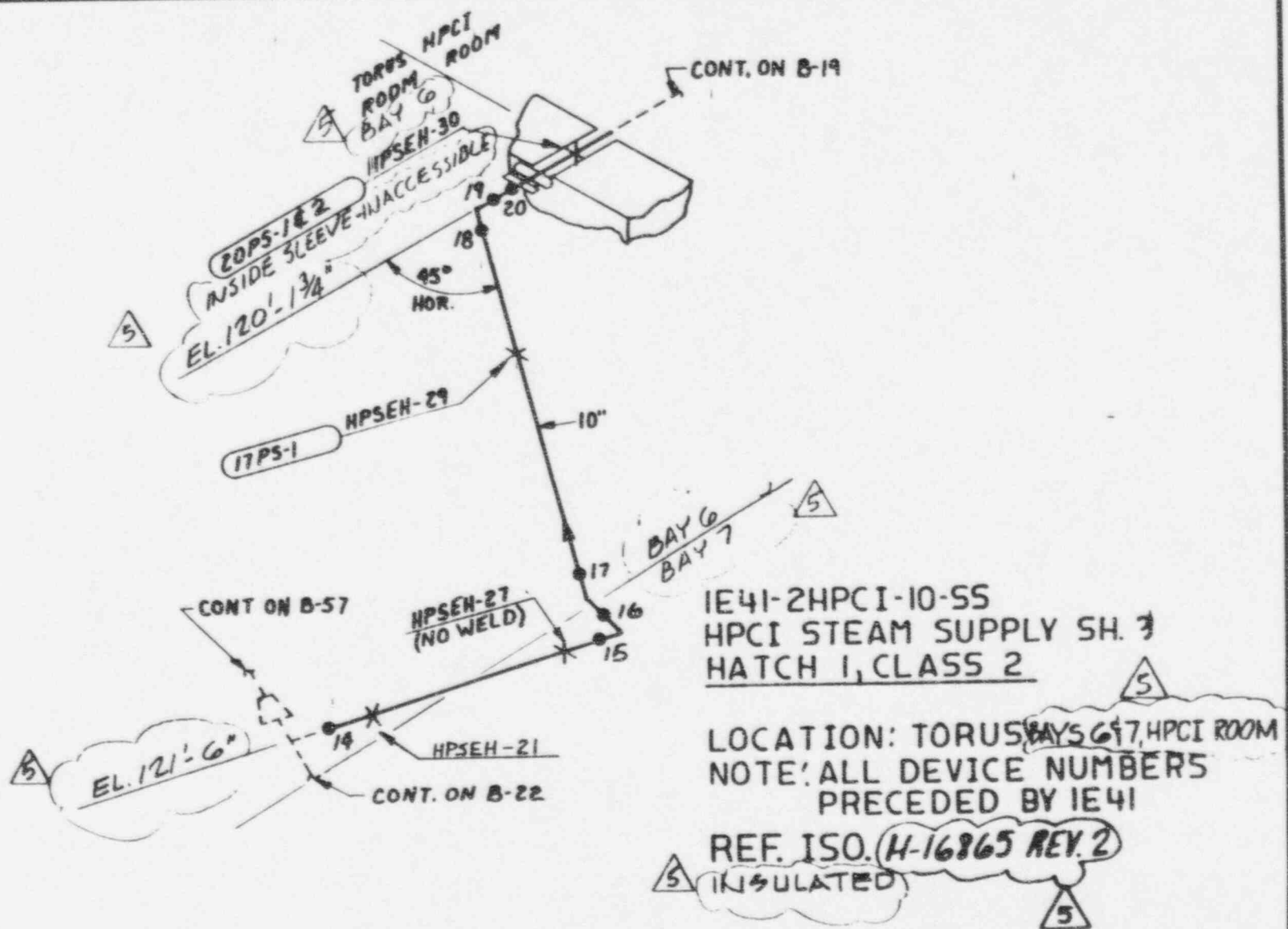
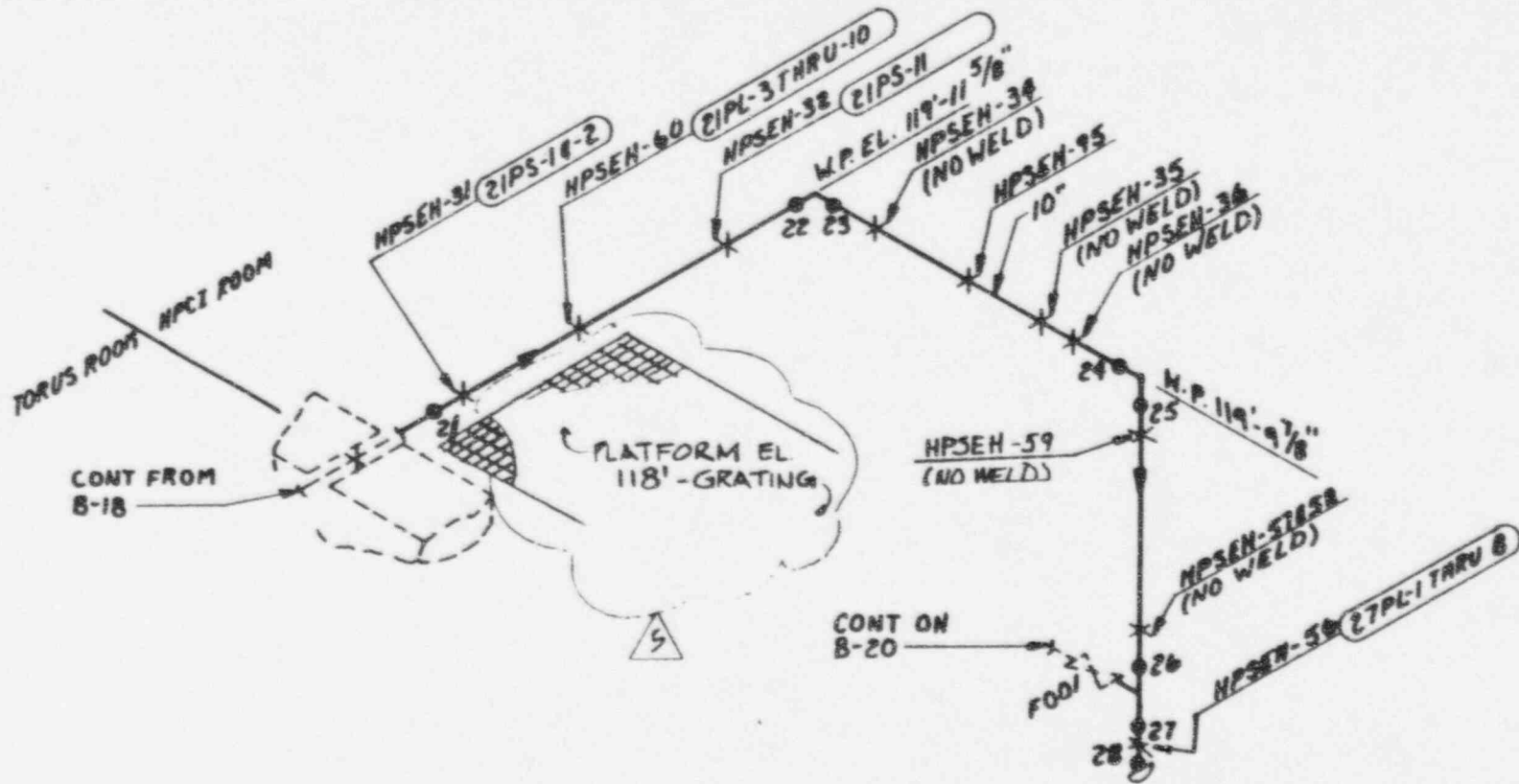


FIGURE B-18

REV	DATE	BY	CHK'D	APPR 1
4	1-31-91	WGS	WJS	WHC
3	7-23-87	SET	WJS	CWD
5	2-16-92	WGS	WJS	WHC



IE41-2HPCI-10-55
 HPCI STEAM SUPPLY SH. 4
 HATCH 1, CLASS 2



INSULATED

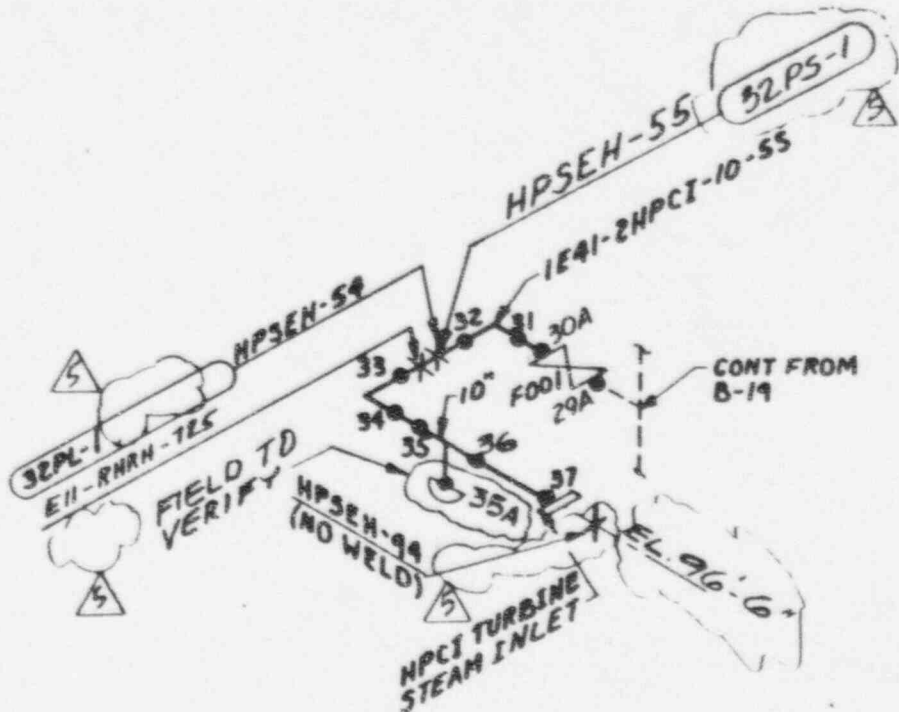
LOCATION: HPCI ROOM
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE41

REF. ISO. H-16865 REV. 2



FIGURE B-19

4	6-19-91	WGS	WS	WHC
3	7-23-87	SET	WS	CWD
5	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1



IE41-2HPCI-10-55
HPCI STEAM SUPPLY SH. 5
HATCH 1, CLASS 2

LOCATION: HPCI ROOM EL. 87

NOTE: ALL DEVICE NUMBERS
PRECEDED BY IE41

REF. ISO. H-16865 REV. 2

INSULATED

FIGURE B-20

4	6-19-91	WGS	WS	WHC
3	7-23-87	SBT	WS	CSD
5	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APP'R

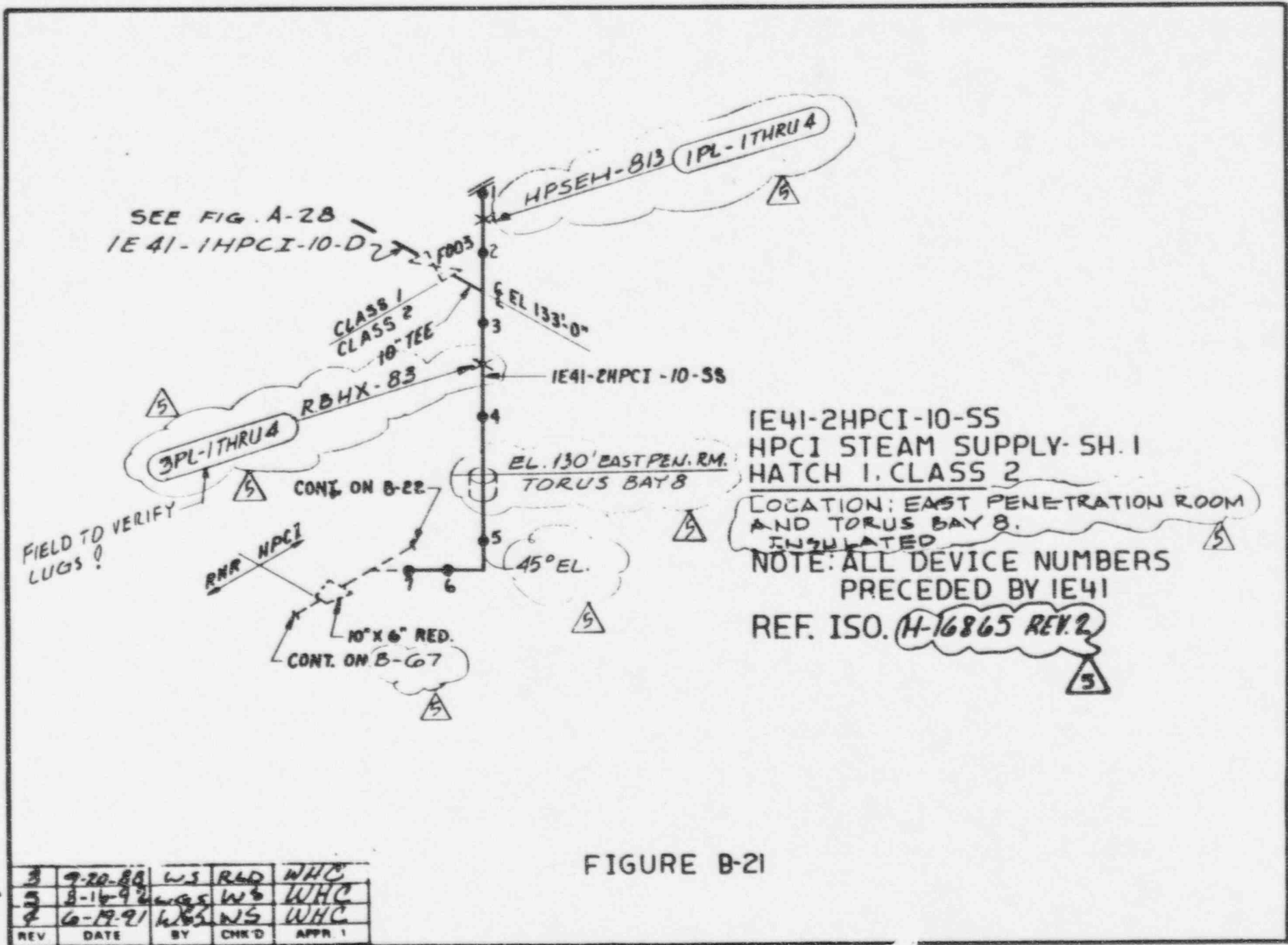


FIGURE B-21

3	9-20-88	WS	RLD	WHC
5	2-16-92	WS	WS	WHC
6	6-19-91	WS	NS	WHC
REV	DATE	BY	CHK'D	APPR. 1

IE41-2HPCI-10-55
 HPCI STEAM SUPPLY- SH.2
 HATCH 1, CLASS 2

LOCATION: TORUS EL. 114'
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE41
 REF. ISO. H-16865 REV.2
 (INSULATED)

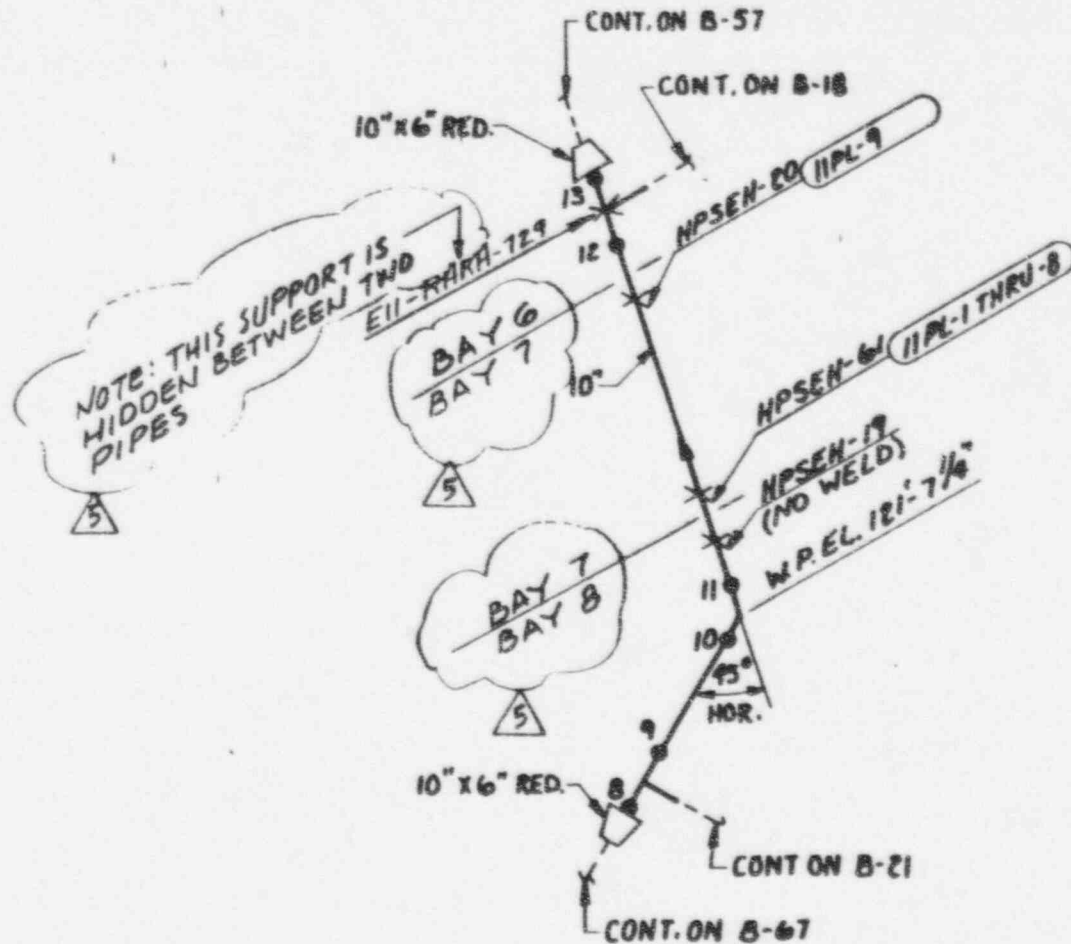
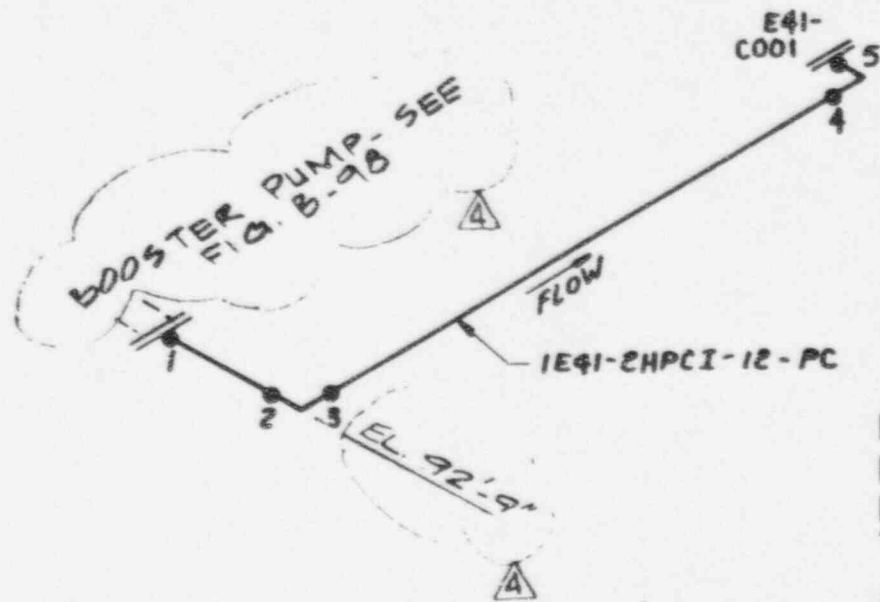


FIGURE B-22

4	6-19-91	WGS	WS	WHC
3	2-23-87	SET	WS	CUD
5	3-16-94	WGS	WS	WHC
REV	DATE	BY	CHK'D	APP'R

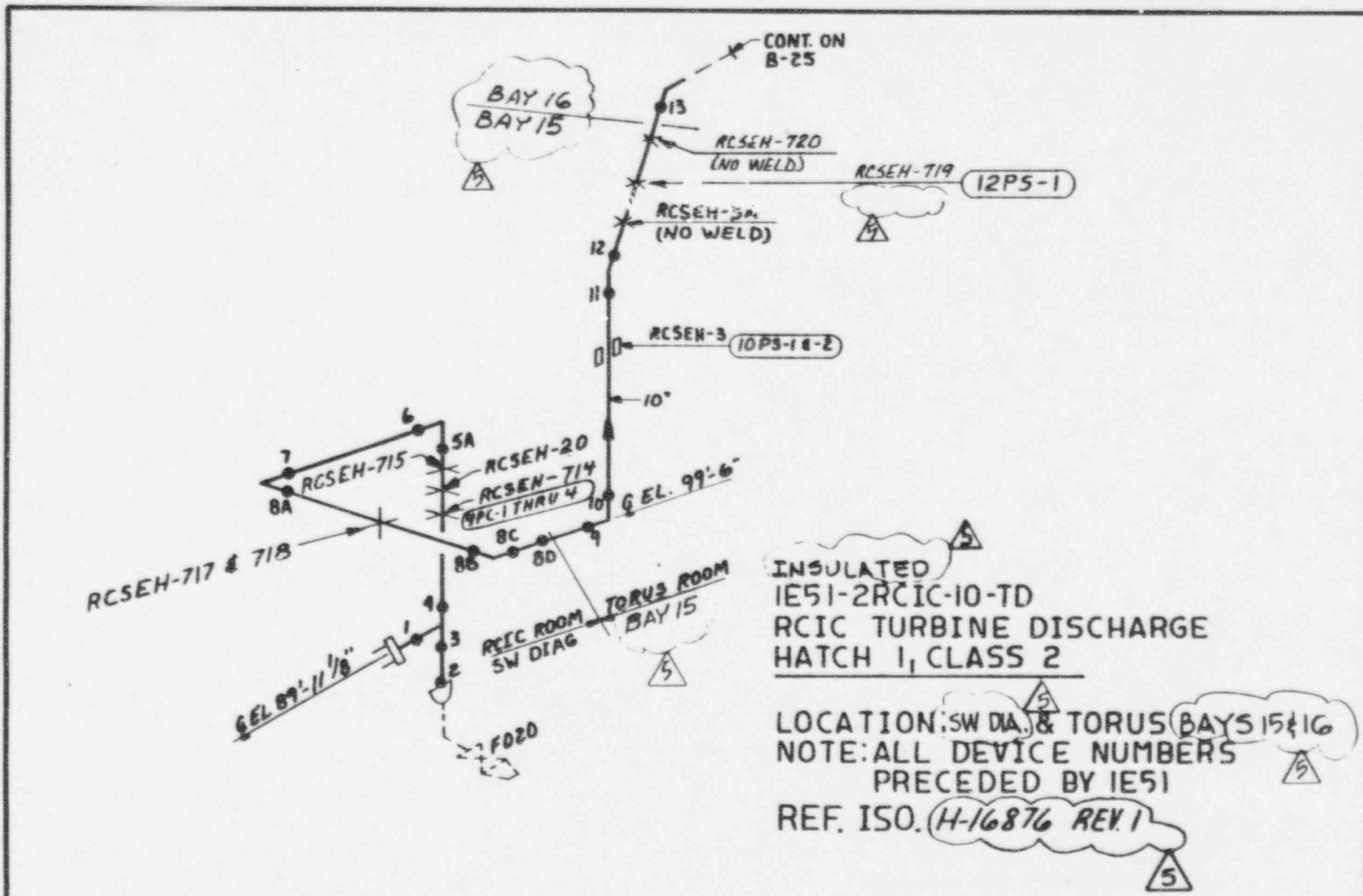


IE41-2HPCI-12-PC
 HPCI PUMP CROSSOVER
 HATCH 1, CLASS 2

LOCATION: HPCI ROOM EL. 87'
 NOTE; ALL DEVICE NUMBERS
 PRECEDED BY IE41
 UNINSULATED

FIGURE B-23

3	6-17-91	W43	WS	WHC
2	7-20-77	SET	WS	CWD
4	3-16-92	W43	WS	WHC
REV	DATE	BY	CHK'D	APPR 1

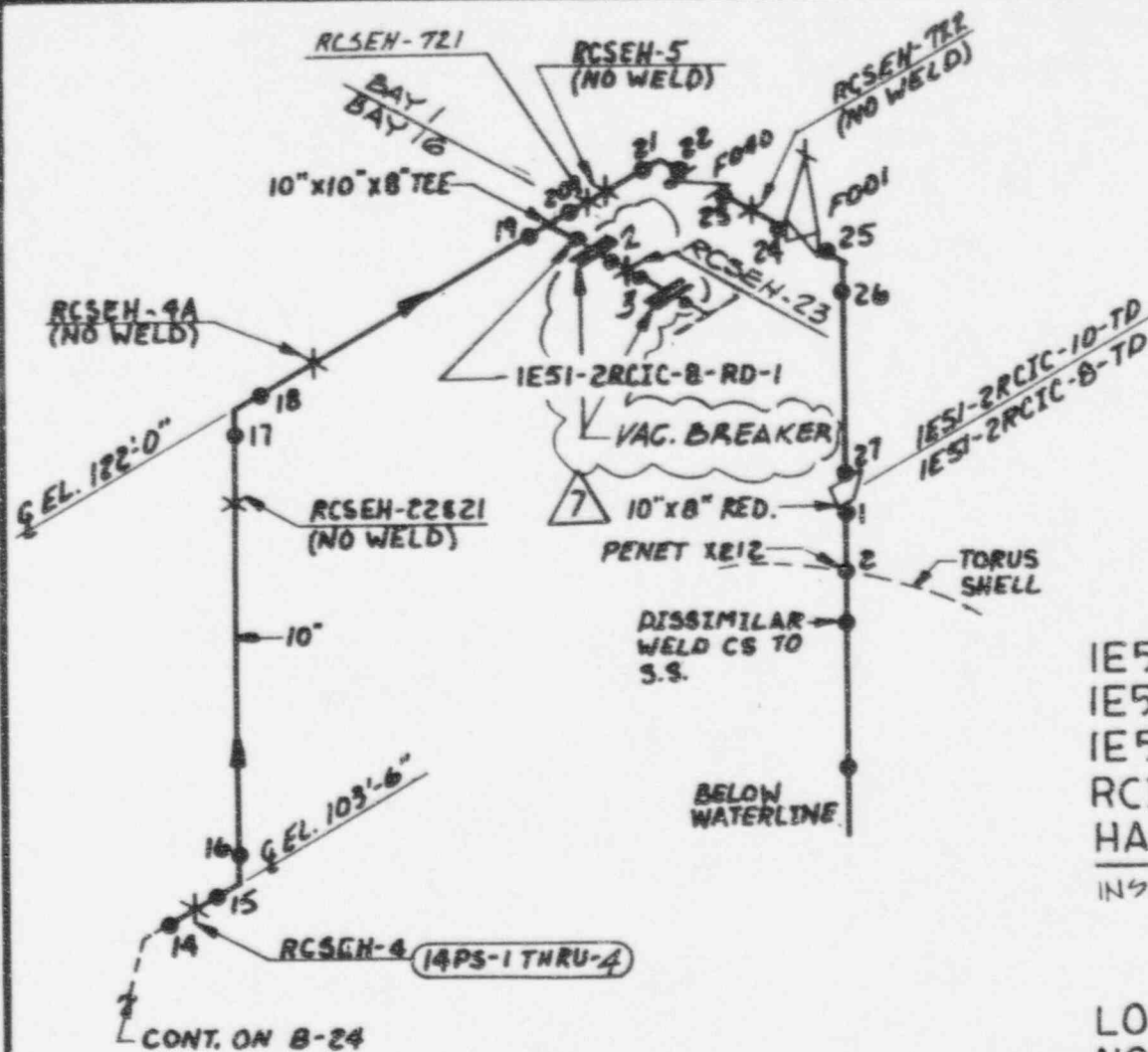


INSULATED
 IE51-2RCIC-10-TD
 RCIC TURBINE DISCHARGE
 HATCH 1, CLASS 2

LOCATION: SW DIA. & TORUS BAYS 15 & 16
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE51
 REF. ISO. H-16876 REV 1

FIGURE B-24

4	6-17-91	WCS	WCS	WHC
3	7-24-87	SET	WCS	CWD
5	3-16-92	WCS	WCS	WHC
REV	DATE	BY	CHK'D	APPR 1



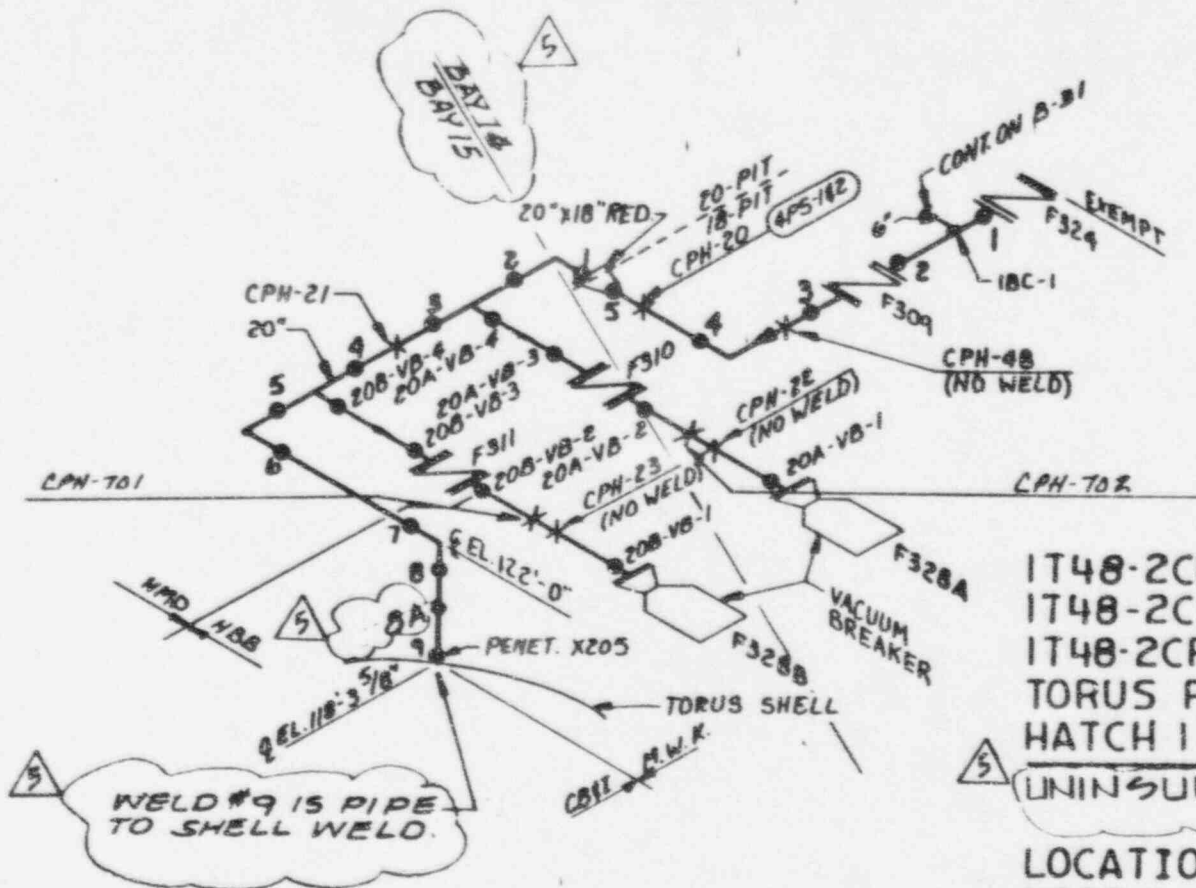
IE51-2RCIC-8-RD
 IE51-2RCIC-8-TD
 IE51-2RCIC-10-TD
 RCIC TURBINE DISCHARGE
 HATCH 1, CLASS 2
INSULATED

LOCATION: TORUS EL. 114' & BELOW, BAYS 1 & 16
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE51.

REFERENCE ISO. H-16876 REV. 1

FIGURE B-25

REV.	DATE	BY	CHK'D	APPR. 1
6	2-11-93	WGS	WS	WPC
5	3-16-92	WGS	WS	WPC



IT48-2CPI-18-PIT
 IT48-2CPI-20-PIT
 IT48-2CPI-20X-VB
 TORUS PURGE & INERTING
 HATCH 1, CLASS 2

UNINSULATED

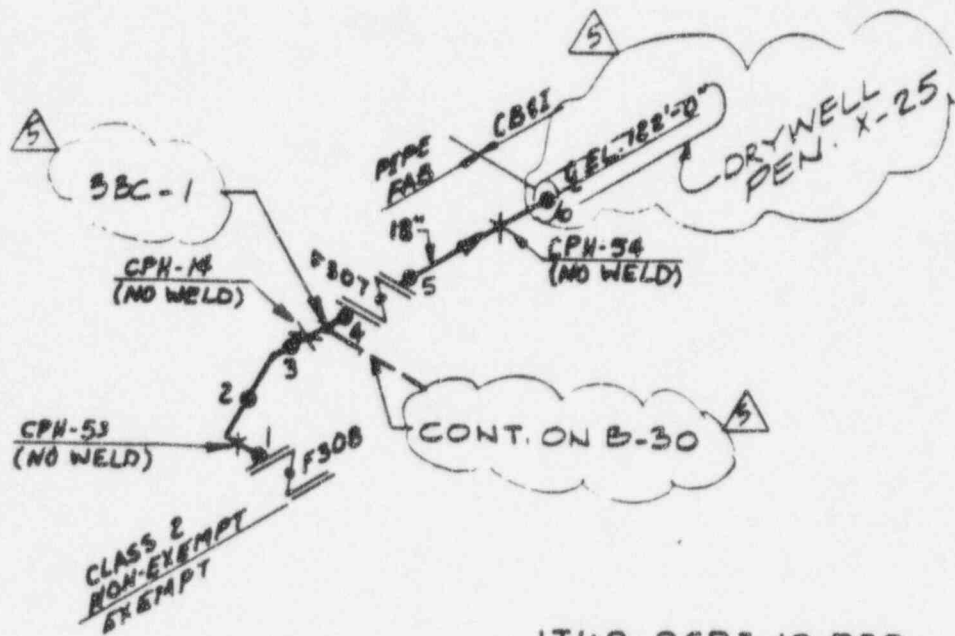
LOCATION: TORUS EL. 114' BAYS 14 & 15

NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IT48

REF. ISO. 14-16922 REV. 1

FIGURE B-26

4	6-19-91	WHS	WHS	WHC
3	7-24-87	SET	WHS	CWD
5	3-16-91	WHS	WHS	WHC
REV	DATE	BY	CHK'D	APP'R



IT48-2CPI-10-PID
 DRYWELL PURGE & INERT.
 HATCH 1, CLASS 2

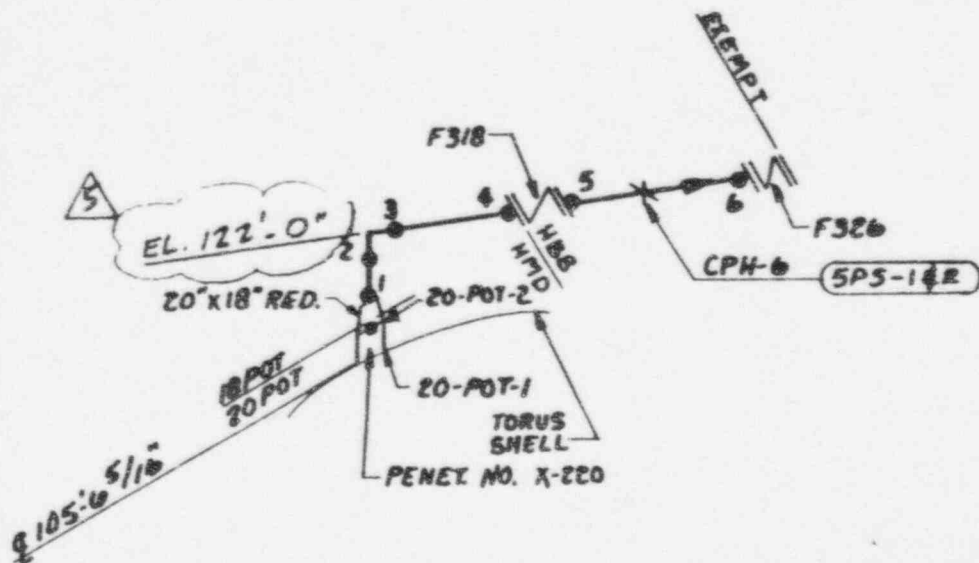
UNINSULATED

LOCATION: TORUS-114' BAY 2
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IT48

REF. ISO. H-16923 REV. 0

FIGURE B-27

REV	DATE	BY	CHK'D	APPR.
1	7-20-81	WBS	WBS	WBC
2	7-20-81	WBS	WBS	WBC
3	3-16-92	WBS	WBS	WBC



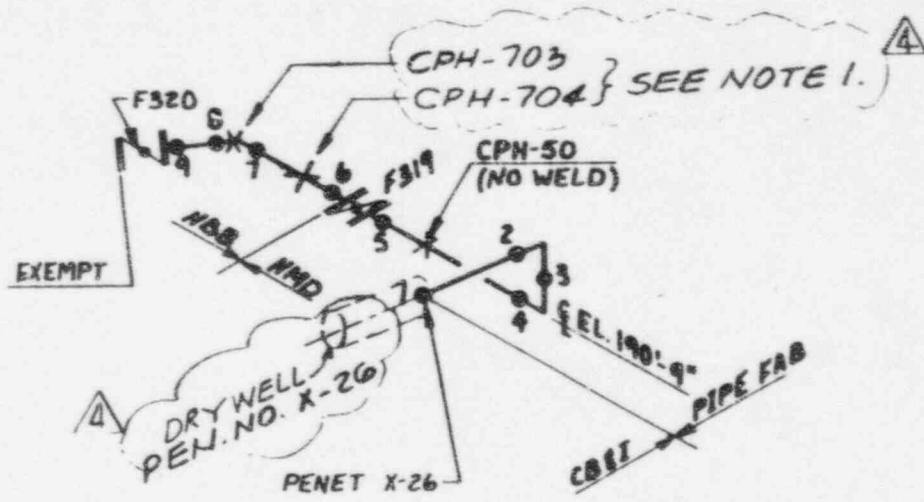
IT48-2CPI-20-POT
 IT48-2CPI-18-POT
 TORUS PURGE OUTLET
 HATCH 1, CLASS 2

UNINSULATED

LOCATION: TORUS (EL. 114', BAY 3)
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IT48
 REF. ISO. (H-16924 REV. 2)

FIGURE B-28

REV	DATE	BY	CHK'D	APPR 1
4	6-19-91	WCS	WCS	WHC
3	7-24-87	SET	WCS	CVD
2	3-16-86	WCS	WCS	WHC



IT48-2CPI-18-POD
 DRYWELL PURGE OUTLET
 HATCH 1, CLASS 2

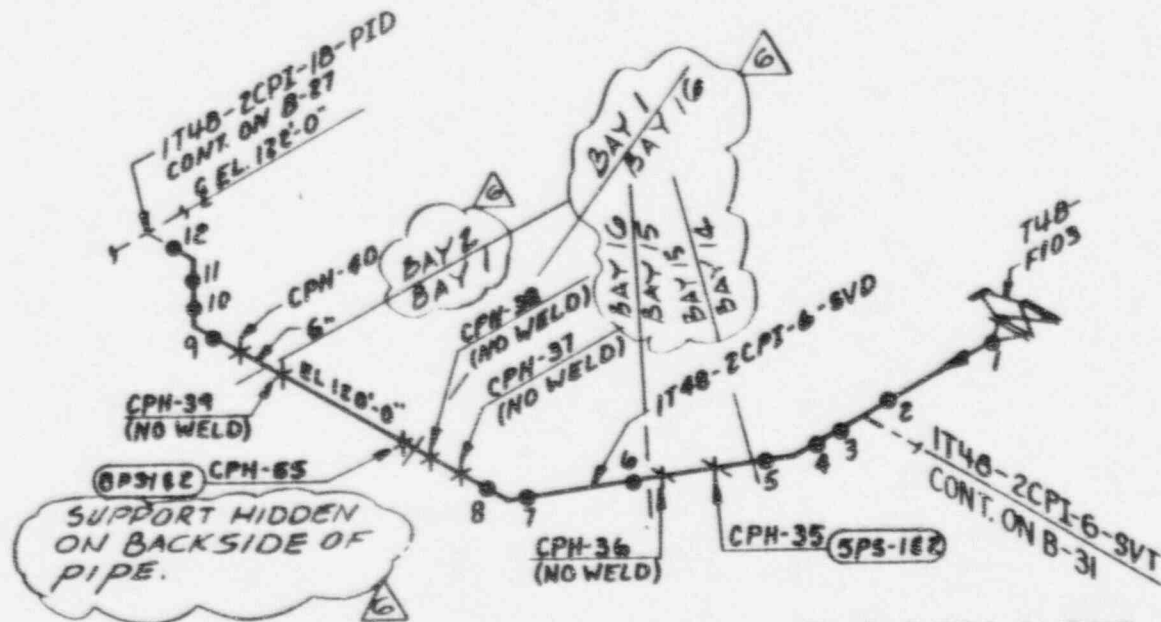
LOCATION: TORUS (185' EL. RX. BLDG - EAST SIDE)
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IT48

REF. ISO. H-16925 REV. 3
 UNINSULATED

NOTE 1
 HANGERS NO. CPH-703 &
 CPH-704 ARE TEMPORARY HANGERS.

FIGURE B-29

REV	DATE	BY	CHK'D	APPR 1
3	6-19-91	WGS	WS	WHC
2	7-24-87	SET	WS	CJD
4	3-16-92	WGS	WS	WHC

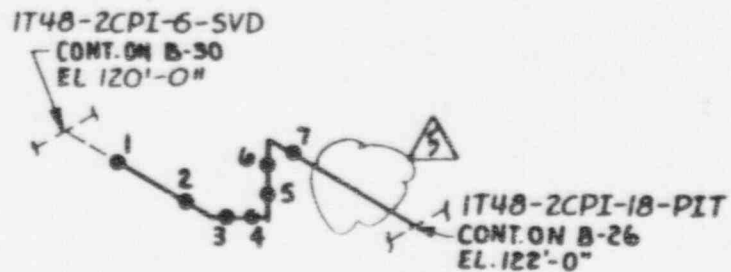


IT48-2CPI-6-SVD
 STEAM VAPORIZER TO DRYWELL
 HATCH 1. CLASS 2

UNINSULATED
 LOCATION: TORUS 114' - BAYS 14 THRU 2
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY I48
 REF. ISO. 4-16921 REV. 1

FIGURE B-30

3	7-31-91	WGS	NS	WHC
4	7-24-87	SET	WAS	CHD
6	5-16-92	WAS	NS	WHC
REV	DATE	BY	CHK'D	APPR.



IT48-2CPI-6-SVT
 STEAM VAPORIZER TO TORUS
 PRIMARY CONTAINMENT
 PURGE & INERTING SYSTEM
 HATCH 1, CLASS 2

UNINSULATED

LOCATION: ABOVE TORUS BAY 14

NOTE: ALL DEVICES NUMBERS
 PRECEDED BY T48

FIGURE B-31

REF. ISO. H-16921 REV 1

2	1-31-91	WKS	WKS	WHC
3	7-24-87	SET	WKS	CWD
5	3-16-96	WKS	WKS	WHC
REV.	DATE	BY	CHK'D	APPR 1

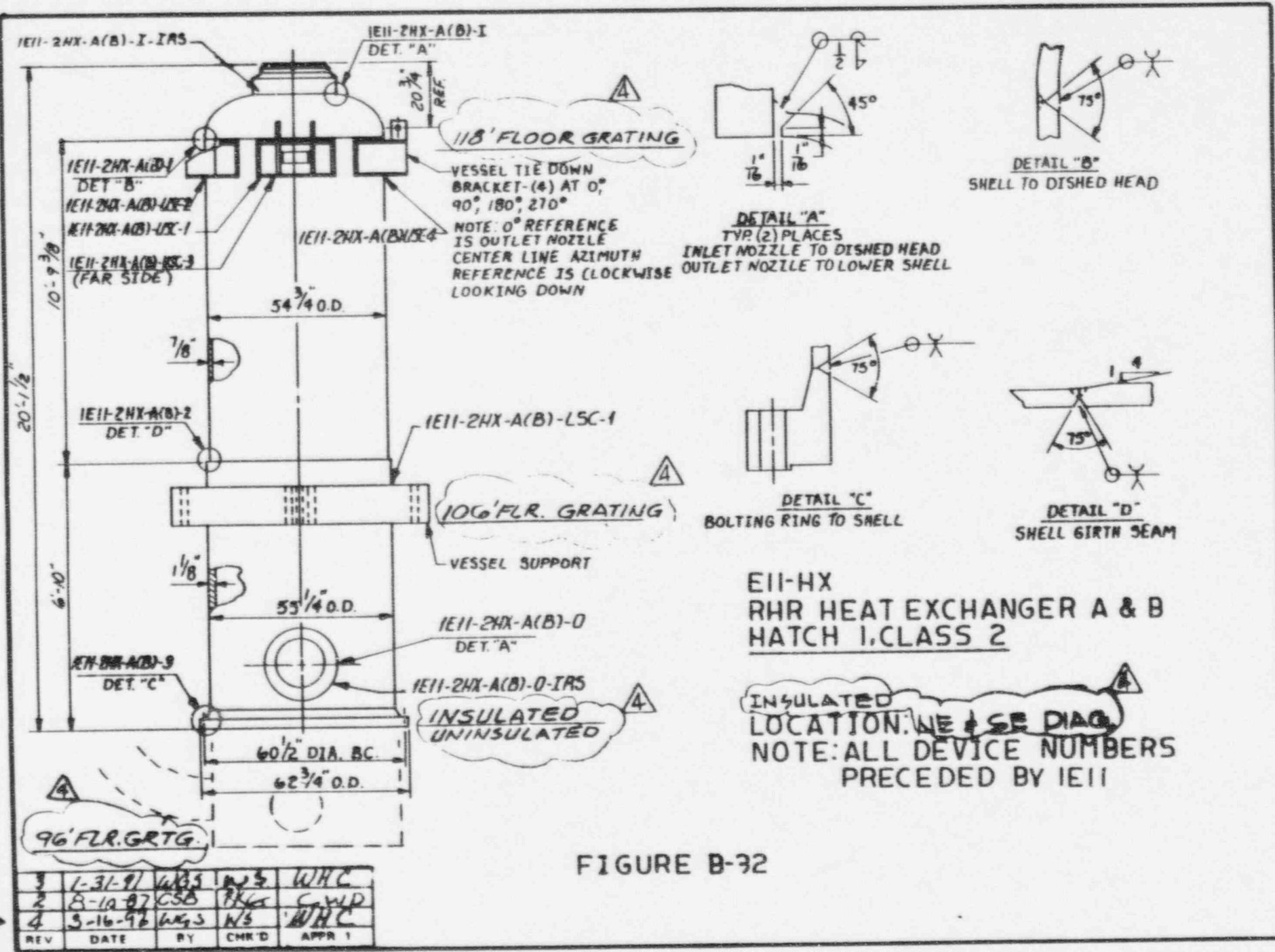
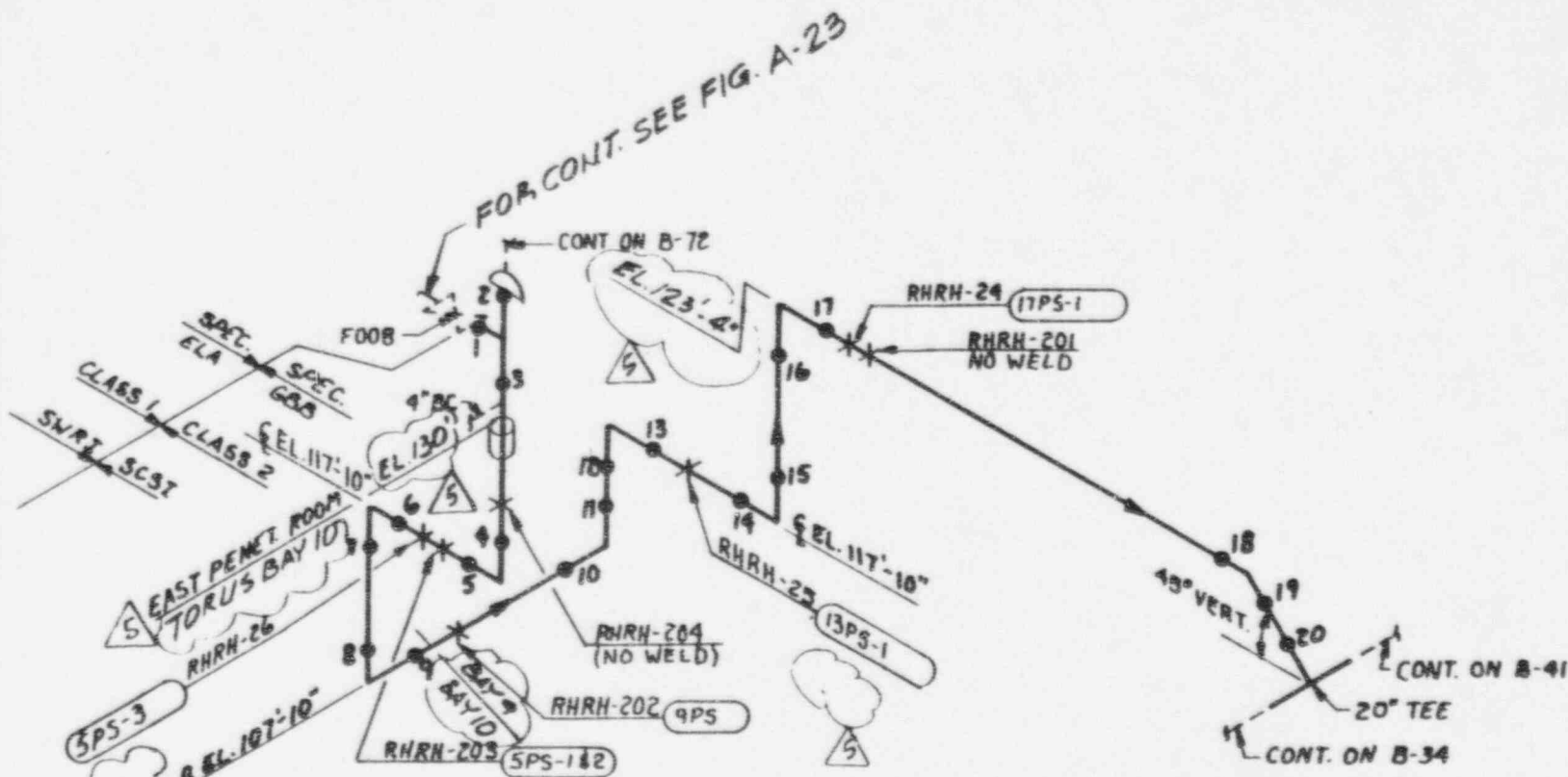


FIGURE B-32

3	1-31-91	WBS	MS	WHC
2	8-10-87	CSB	MS	WHP
4	3-16-96	WBS	MS	WHC
REV	DATE	BY	CHK'D	APPR 1

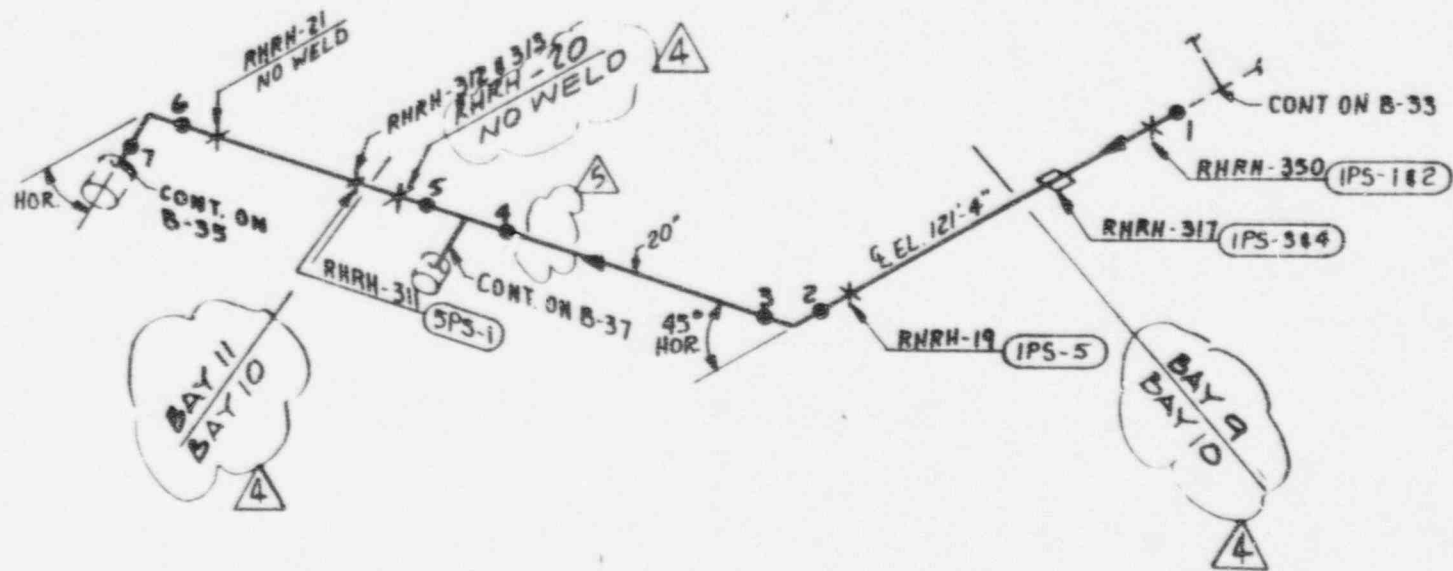


IE11-2RHR-20-RS
 PUMPS A,B,C,&D SUCTION & RECIRC.
 HATCH 1, CLASS 2

INSULATED
 LOCATION: TORUS EL. 114' BAYS 9 & 10, EAST PEN. RM.
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE11
 REF. ISO H-16828 REV. 2

FIGURE B-33

2	1-91-91	WGS	WS	WHC
3	7/20/87	SET	WS	CVD
5	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1

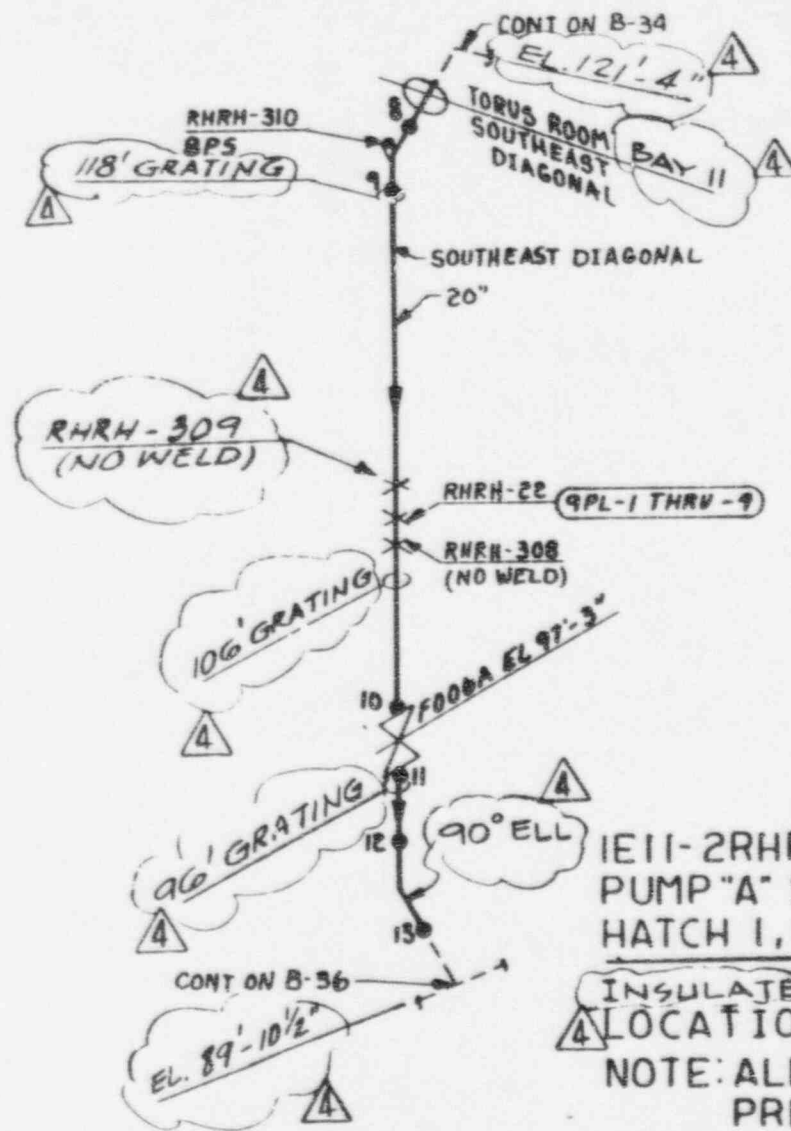


1E11-2RHR-20A-D
 PUMP "A" SUCTION RECIRC.
 HATCH 1, CLASS 2

INSULATED
 LOCATION TORUS EL. 114' BAYS 9 THRU 11
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY 1E11
 REF. ISO. H-16858 REV. 2

FIGURE B-34

3	1-31-91	WGS	WS	WHC
2	7-24-87	SET	WS	CUP
1	3-16-91	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1

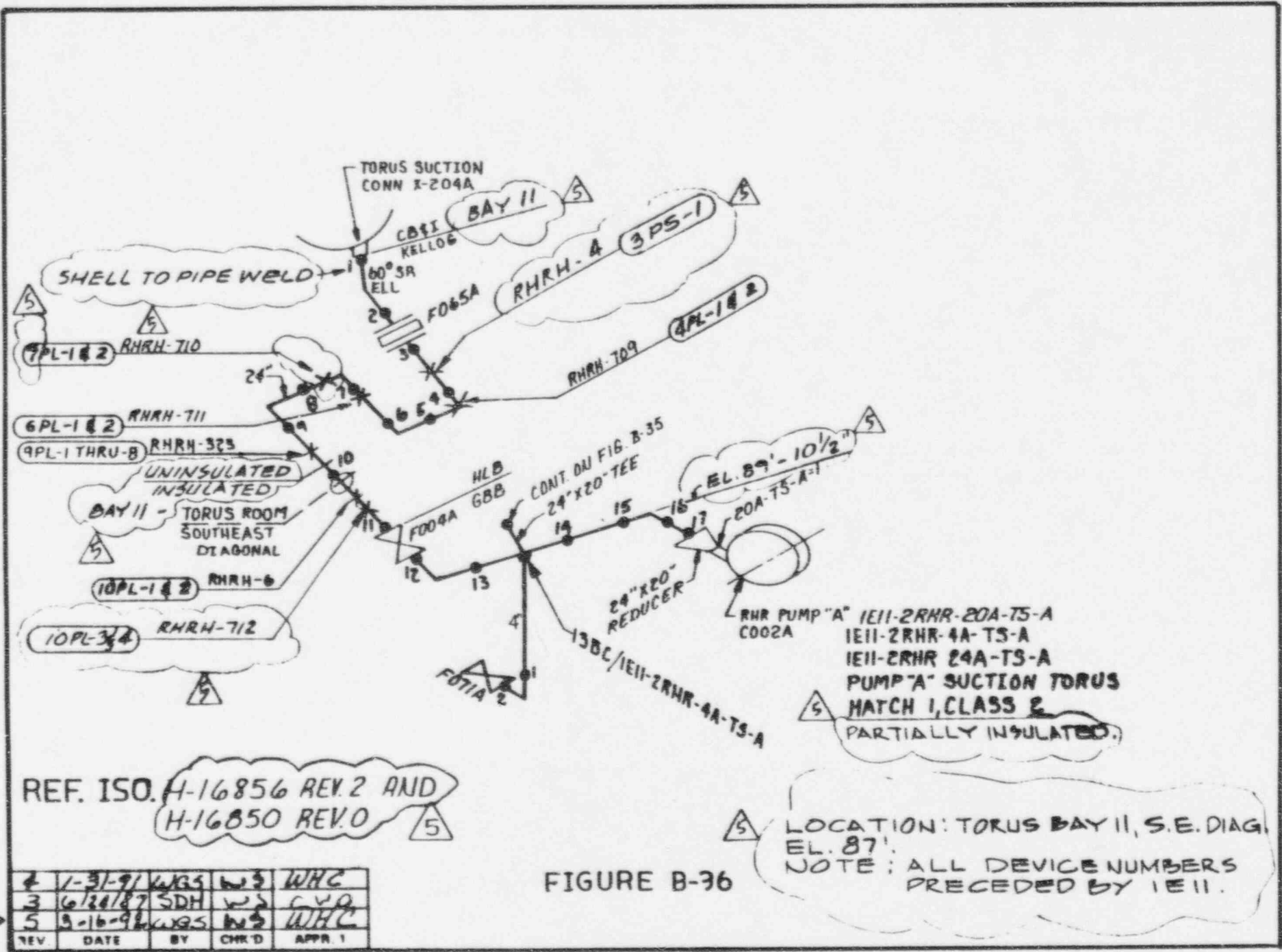


IE11-2RHR-20A-D
 PUMP "A" SUCTION RECIRC
 HATCH 1, CLASS 2

INSULATED
 LOCATION: SOUTHEAST DIAGONAL
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE11
 REF. ISO. (H-16858 REV 2)

FIGURE B-35

3	1-31-91	WGS	WS	WHC
2	7-24-87	SET	WS	CVD
4	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1

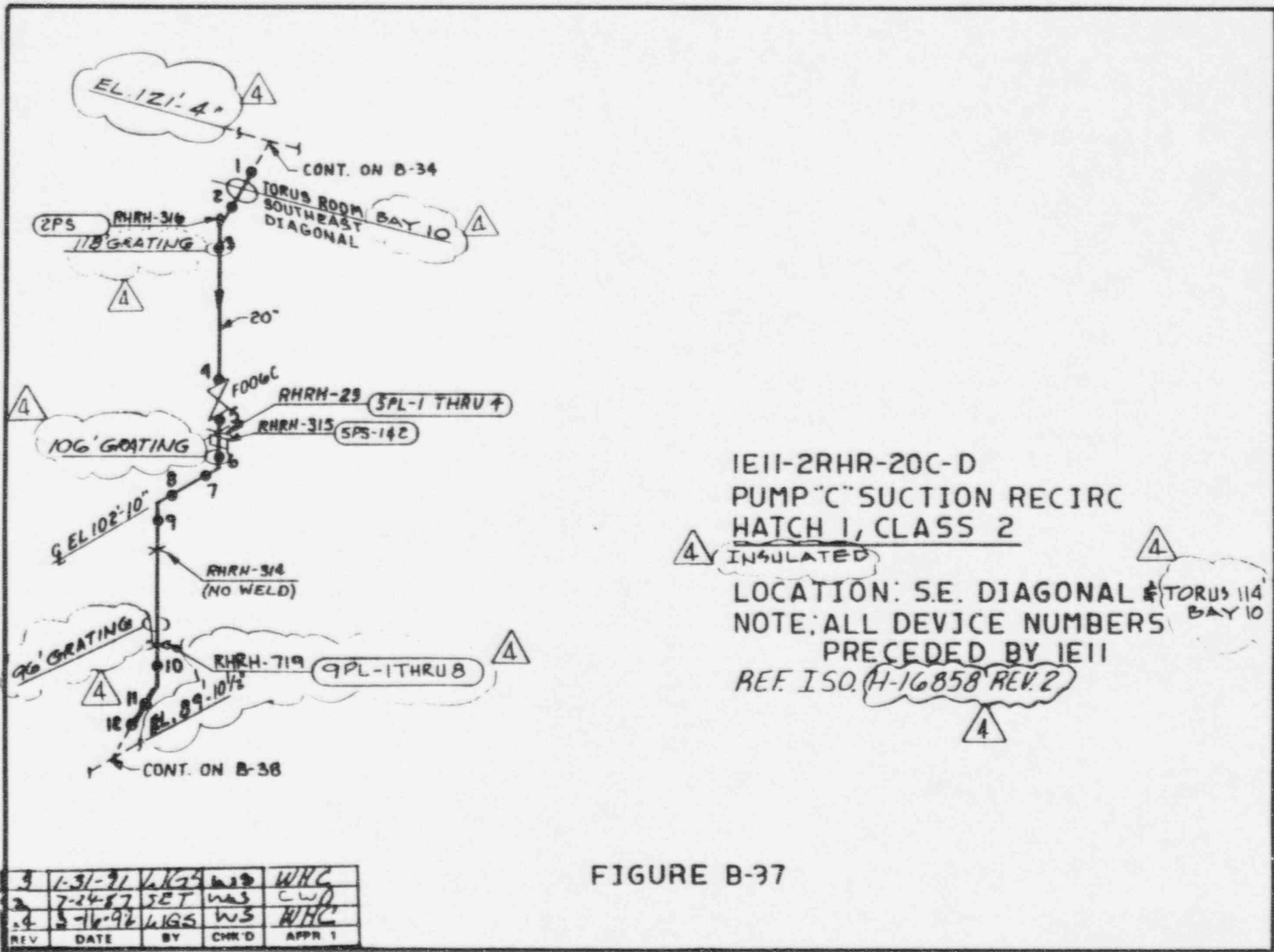


REF. ISO. H-16856 REV.2 AND H-16850 REV.0

REV.	DATE	BY	CHK'D	APPR. 1
4	1-31-91	WGS	WS	WHC
3	6/24/87	SDH	WS	CVA
5	9-16-92	WGS	WS	WHC

FIGURE B-36

LOCATION: TORUS BAY II, S.E. DIAG. EL. 87'.
 NOTE: ALL DEVICE NUMBERS PRECEDED BY IE11.



3	1-31-91	WGS	WSD	WHC
2	7-24-87	SET	was	CWD
1	5-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1

FIGURE B-37

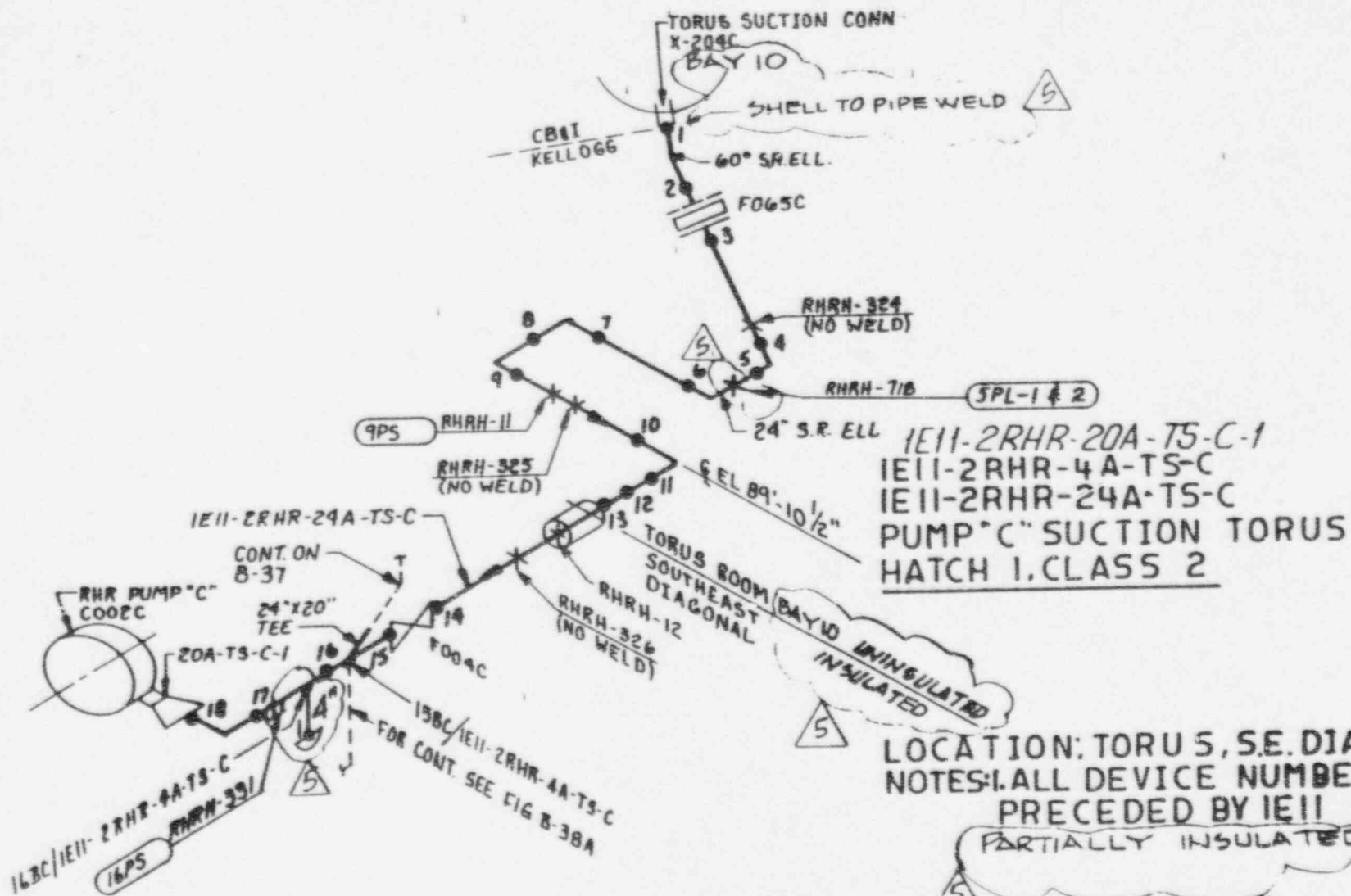
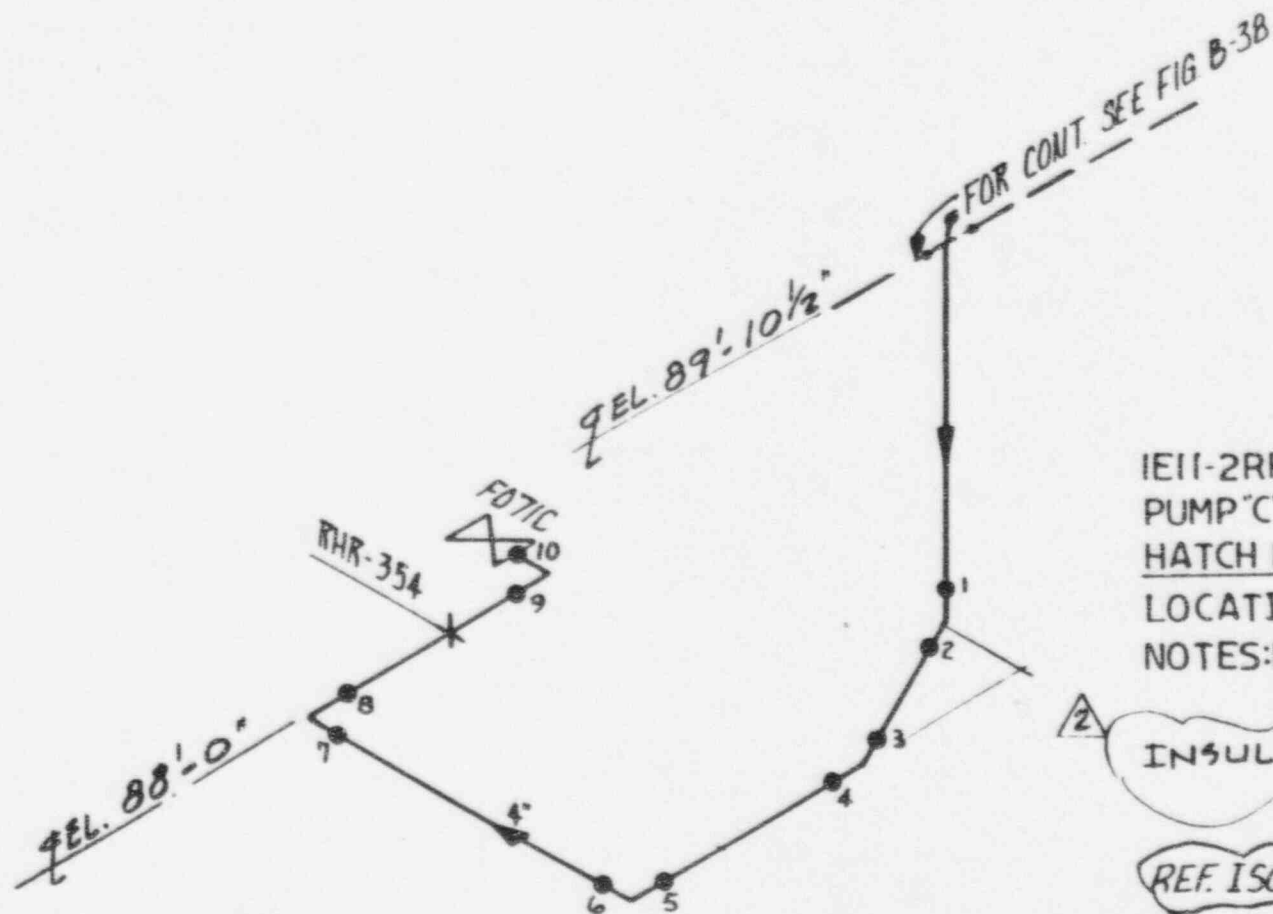


FIGURE B-38

7	6-19-91	WGS	WS	WHC
3	6-25-87	SDH	WS	CWD
5	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1



IE11-2RHR-4A-D-C
 PUMP "C" SUCTION TORUS
 HATCH I, CLASS 2

LOCATION: (SE DIAGONAL EL. 87')

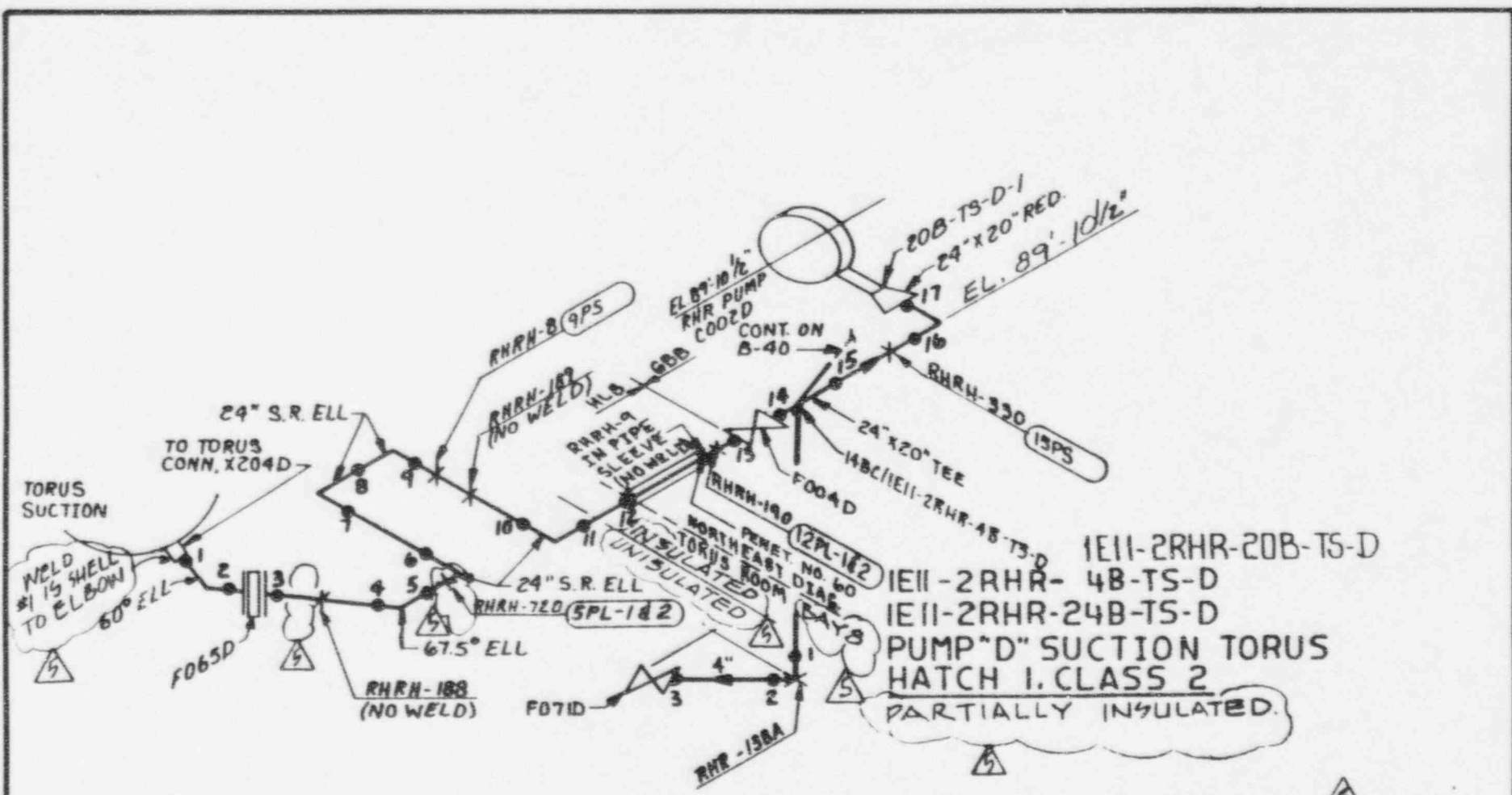
NOTES: ALL DEVICE NUMBERS
 PRECEDED BY IE11

INSULATED

REF. ISO. H-16050 REV. 0

2	5-16-92	WGS	WS	WHC
7	10/18/89	WS	RLD	MB
0	6/25/87	SDH	WS	CWD
REV	DATE	BY	CHK'D	APPR 1

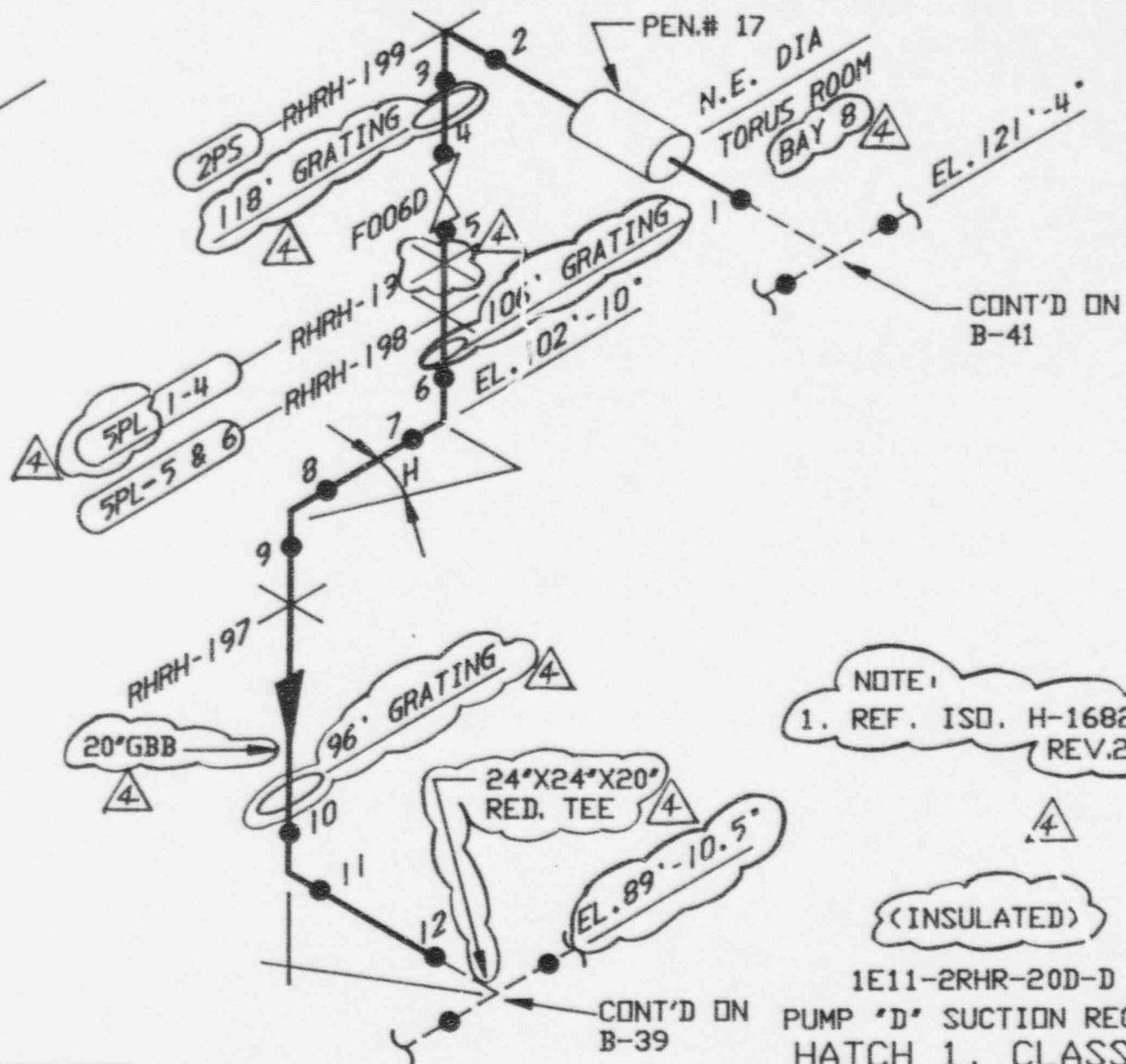
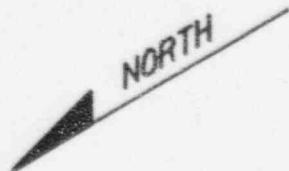
FIGURE B-38A



LOCATION: TORUS, NE. DIAG EL. 87
 NOTES: ALL DEVICE NUMBERS
 PRECEDED BY IEII.

3	6-18-87	SDH	WS	CLD
5	5-16-96	WLS	WS	WHC
4	6-19-91	WLS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1

FIGURE B-39 3. REF. ISO H-16827 REV. 0
 AND H-16851 REV. 0



NOTE:
1. REF. ISD. H-16828
REV.2



(INSULATED)

1E11-2RHR-20D-D
PUMP 'D' SUCTION RECIRC.
HATCH 1, CLASS 2

LOCATION: N.E. DIA.,
TORUS BAY 8

FIGURE B-40

4	3-16-92	WCS	WS	WHC
3	1-31-91	GS	WS	WHC
2	2-9-87	SET	WS	CWD
REV.	DATE	BY	CHK'D	APPR.1

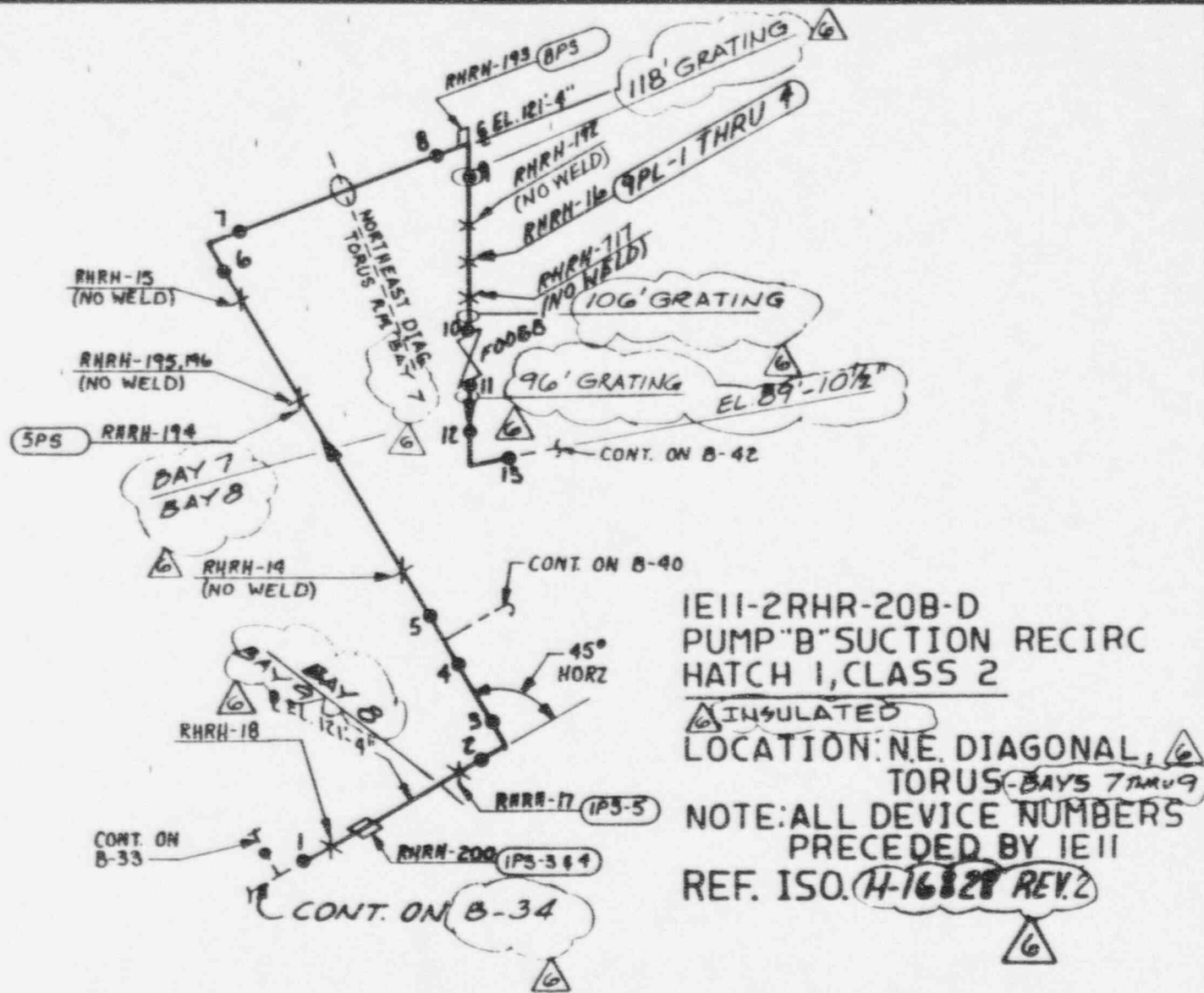
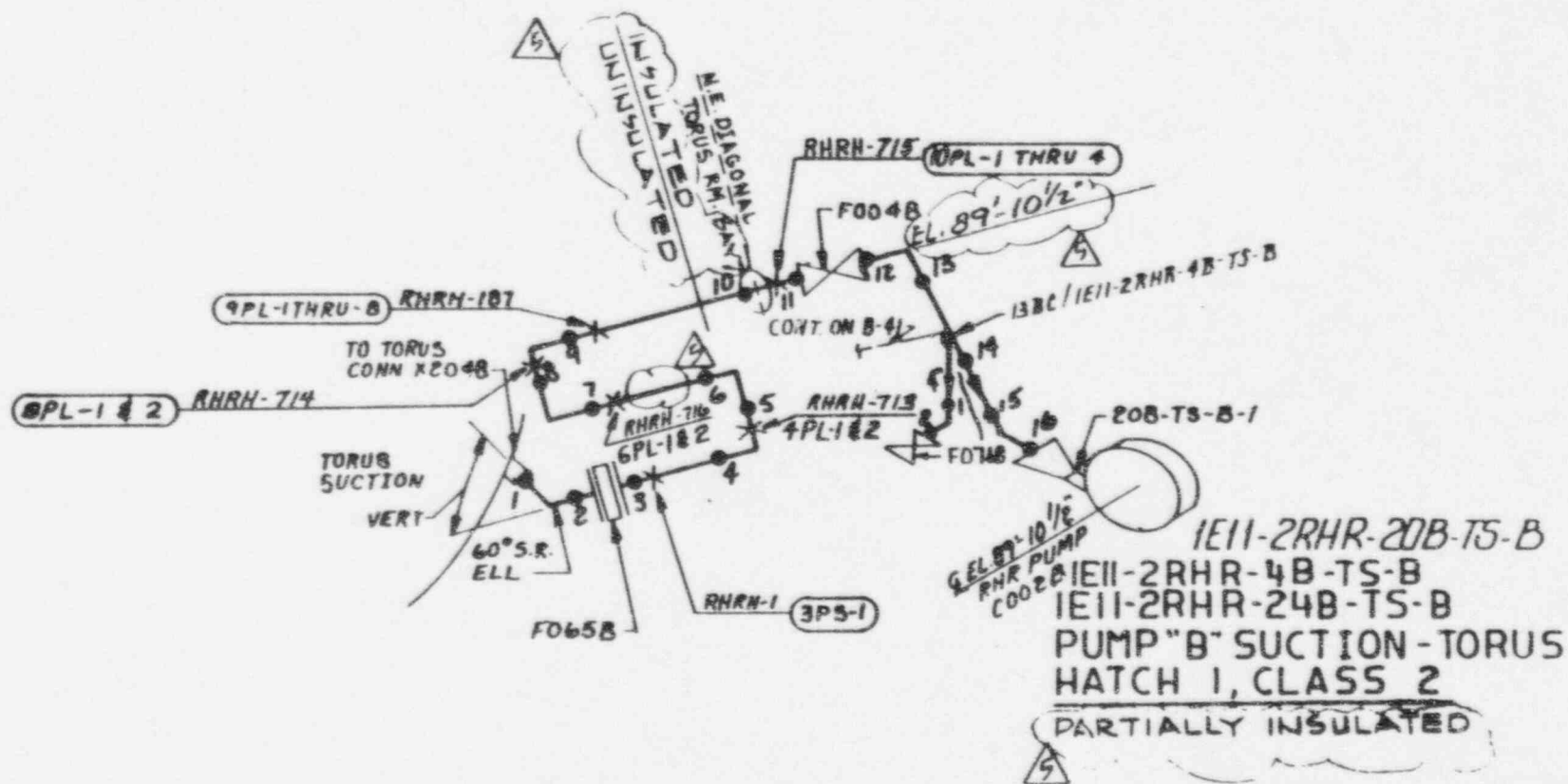


FIGURE B-41

4	9-20-88	WJ	RLD	WHC
6	1-16-92	WJS	WJ	WHC
5	6-19-91	WJS	WJ	WHC
REV	DATE	BY	CHK'D	APPR. 1

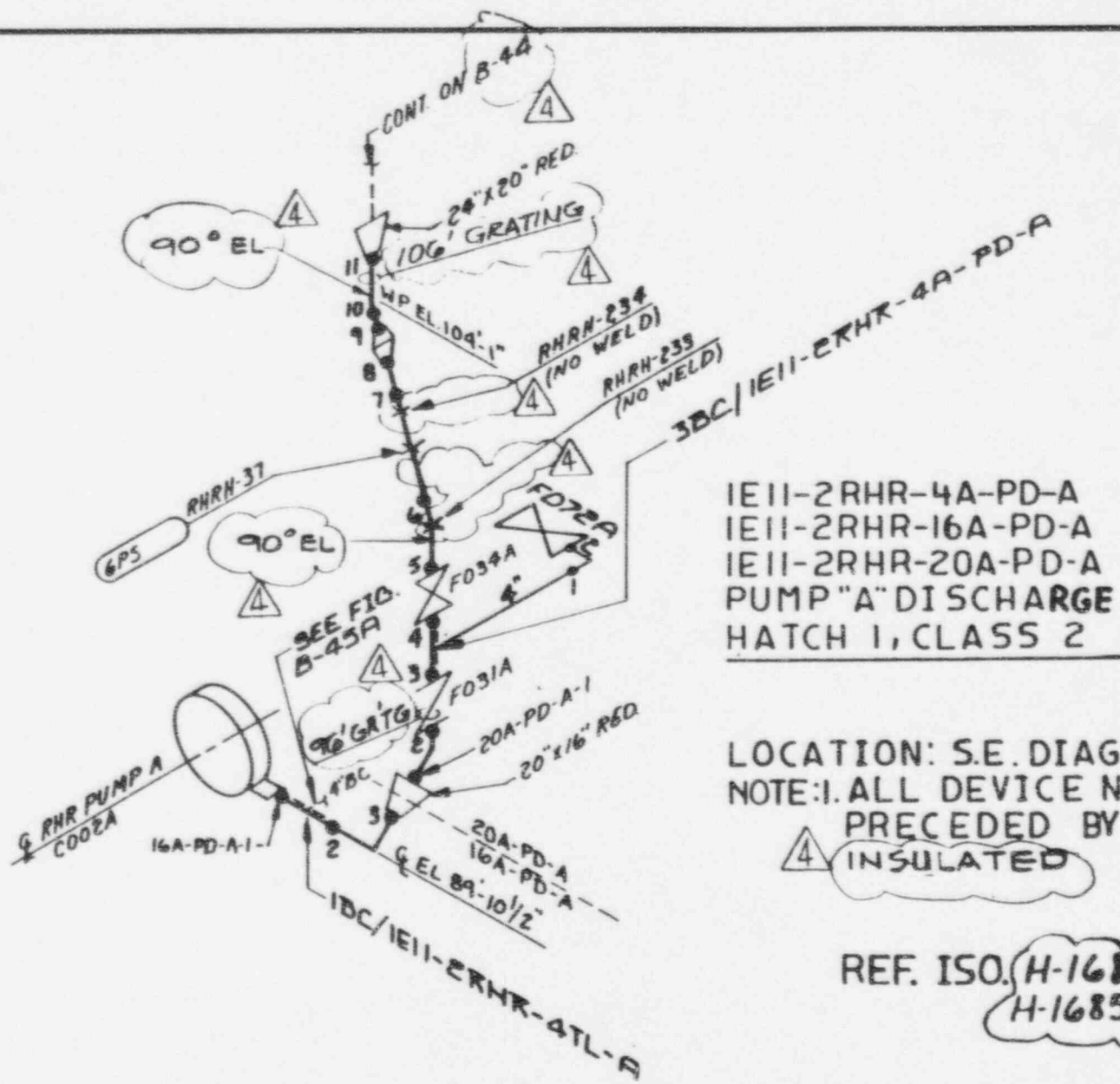


REF. ISO. H-16826 REV. 1
AND H-16851 REV. 0

REV	DATE	BY	CHK'D	APPR 1
4	1-31-87	WGS	WS	WHC
3	6-18-87	SDH	WS	WHD
5	8-16-92	WGS	WS	WHC

FIGURE B-42

LOCATION: N.E. DIAGONAL, '87
TORUS (EL. 87) BAY 7
NOTES: ALL DEVICE NUMBERS
PRECEDED BY IE11.



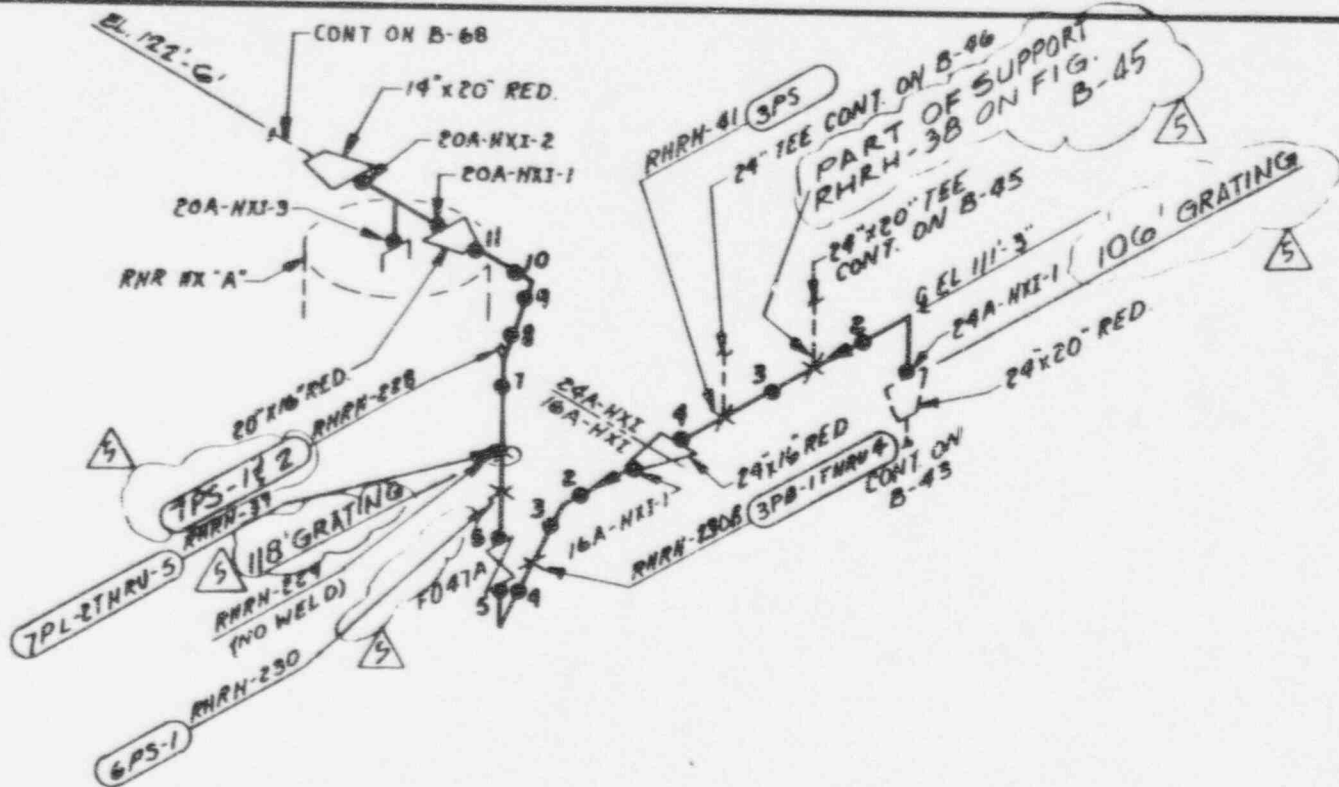
IE11-2RHR-4A-PD-A
 IE11-2RHR-16A-PD-A
 IE11-2RHR-20A-PD-A
 PUMP "A" DISCHARGE
 HATCH 1, CLASS 2

LOCATION: S.E. DIAGONAL
 NOTE: 1. ALL DEVICE NUMBERS
 PRECEDED BY IE11
 4 INSULATED

REF. ISO. H-16831 REV. 1 AND
 H-16850 REV. 0

FIGURE B-43

3	6-19-91	WBS	WS	WHC
2	6/25/87	BS	WS	CUD
4	3-16-82	WBS	WS	WHC
REV.	DATE	BY	CHK'D	APPR 1



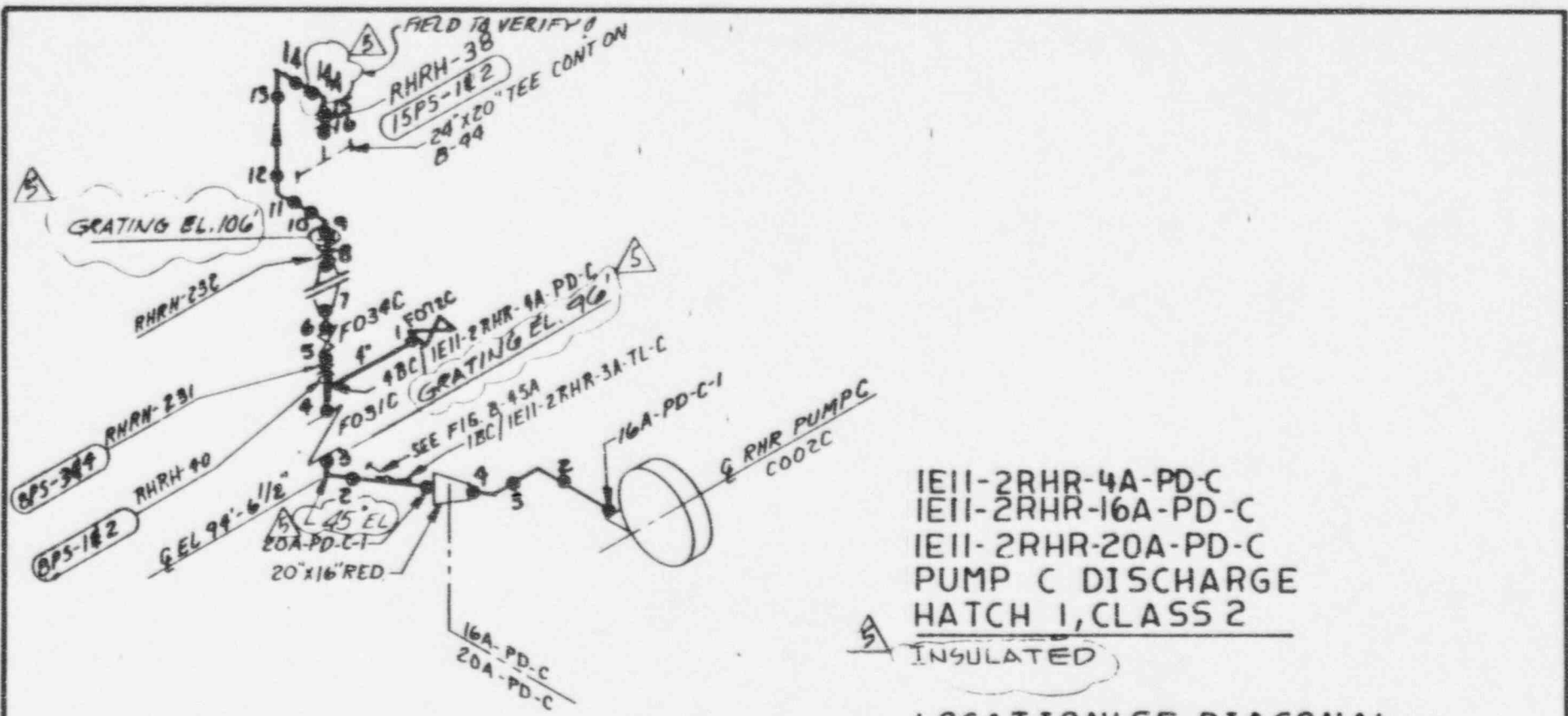
IEII-2RHR-16A-HXI
 IEII-2RHR-20A-HXI
 IEII-2RHR-24A-HXI
 HEAT EXCHANGER "A" INLET
 HATCH 1, CLASS 2

INSULATED
 LOCATION: S.E. DIAGONAL
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IEII

REF. ISO. H-16831 REV.1

FIGURE B-44

2	1-31-91	WGS	W.S.	W.H.C.
3	7-27-87	SET	W.S.	C.U.D.
5	3-16-92	WGS	W.S.	W.H.C.
FV	DATE	BY	CHK'D	APP'R



IE11-2RHR-4A-PD-C
 IE11-2RHR-16A-PD-C
 IE11-2RHR-20A-PD-C
 PUMP C DISCHARGE
 HATCH 1, CLASS 2

INSULATED

LOCATION: SE. DIAGONAL
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE11

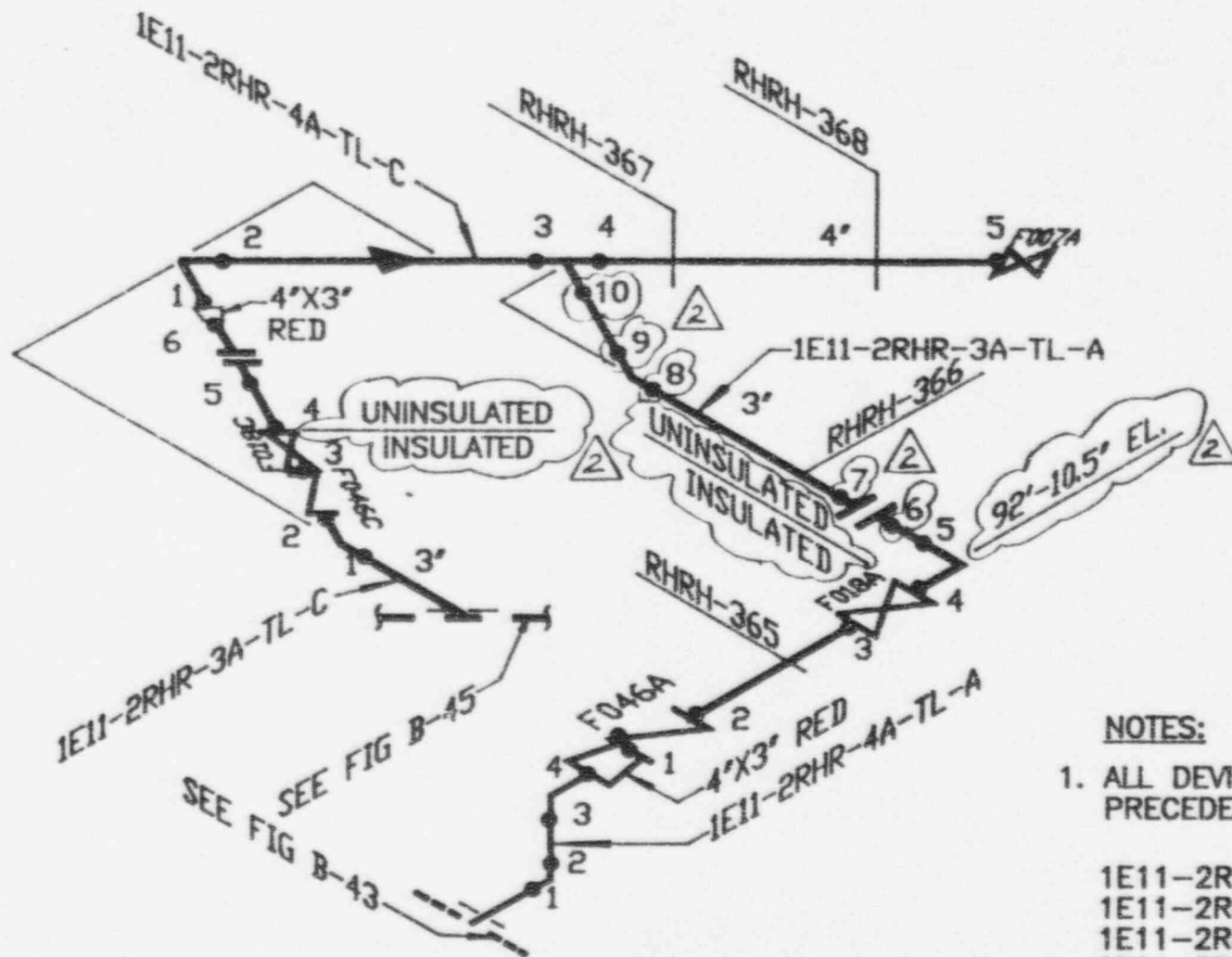


REF. ISO. H-16851 REV. 1 AND
 H-16850 REV. 0



FIGURE B-45

2	1-31-91	WGS	WSS	WHC
3	6/25/87	SDH	WSS	CWJ
5	3-16-92	WGS	WH	WHC
REV	DATE	BY	CHK'D	APPR. 1



NOTES:

1. ALL DEVICE NUMBERS PRECEDED BY 1E11.

1E11-2RHR-3A-TL-A
 1E11-2RHR-4A-TL-A
 1E11-2RHR-3A-TL-C
 1E11-2RHR-4A-TL-C
 TEST LINES FROM PUMP
 A & C DISCHARGE

HATCH 1 CLASS 2

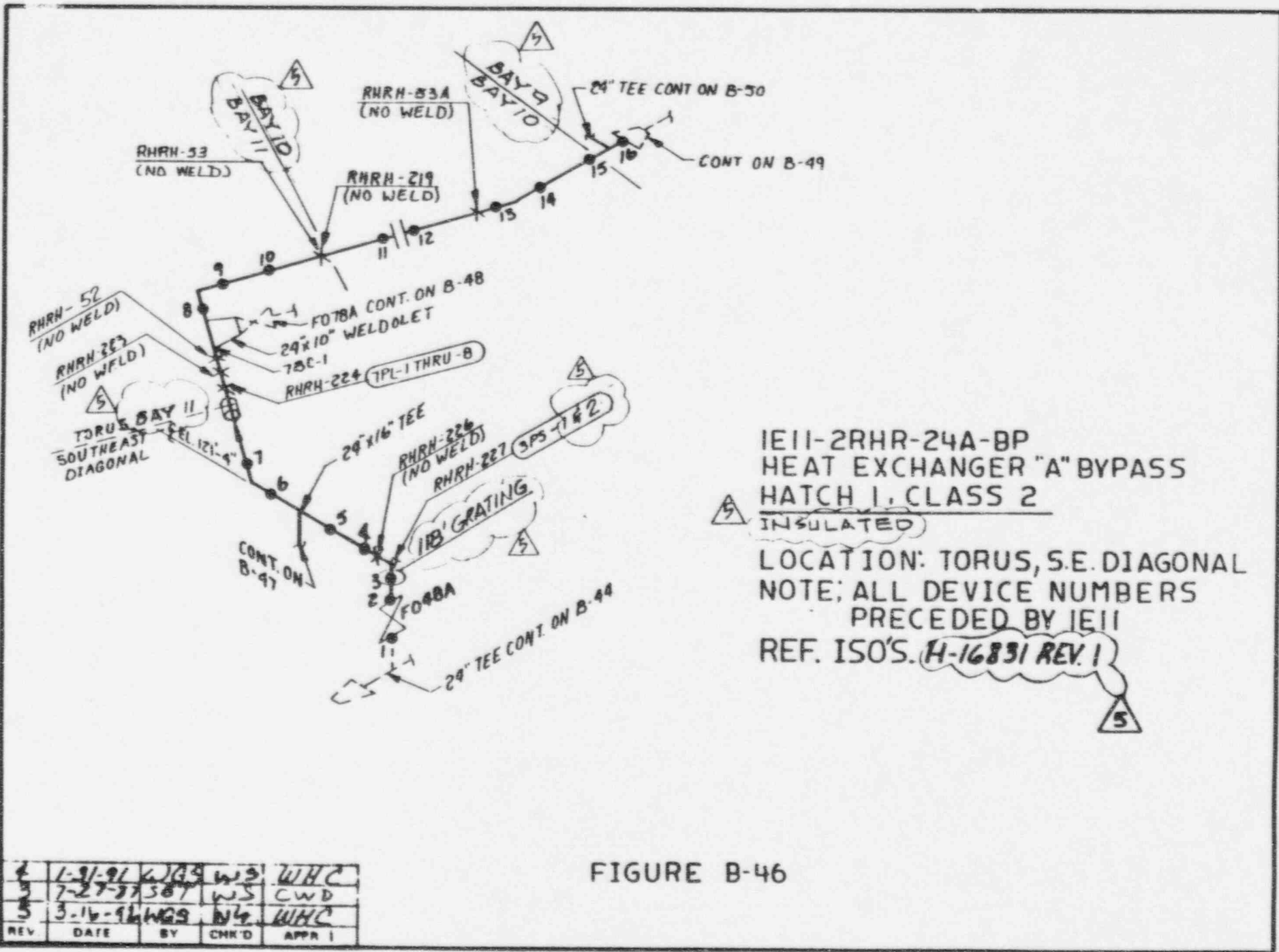
LOCATION: S.E. DIAGONAL

REFERENCE ISO. H-16848 REV.0

2	3-16-91	WGS	WS	WC
1	10/12/89	WS	RLD	MB
0	8/7/87	SDH	VS	CWD
REV	DATE	BY	CHK'D	APPR. 1

FIGURE B-45A

2
87'



IE11-2RHR-24A-8P
 HEAT EXCHANGER "A" BYPASS
 HATCH 1, CLASS 2

INSULATED

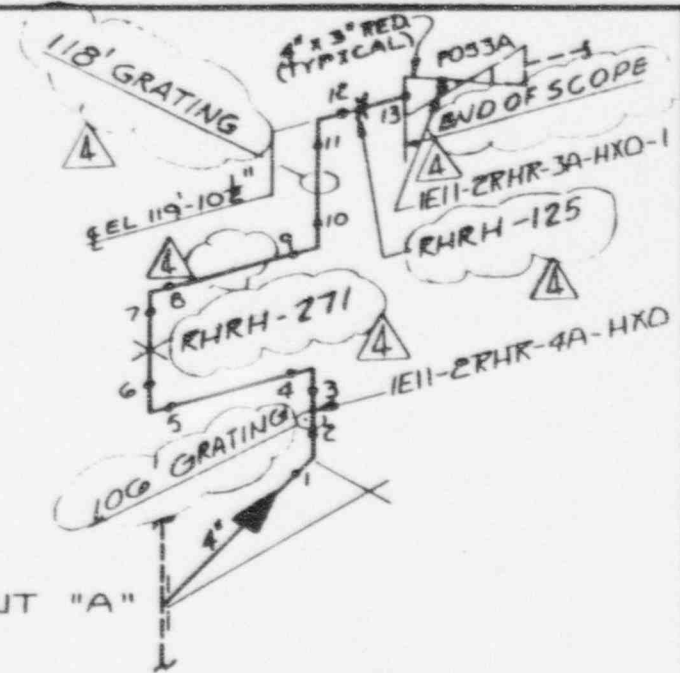
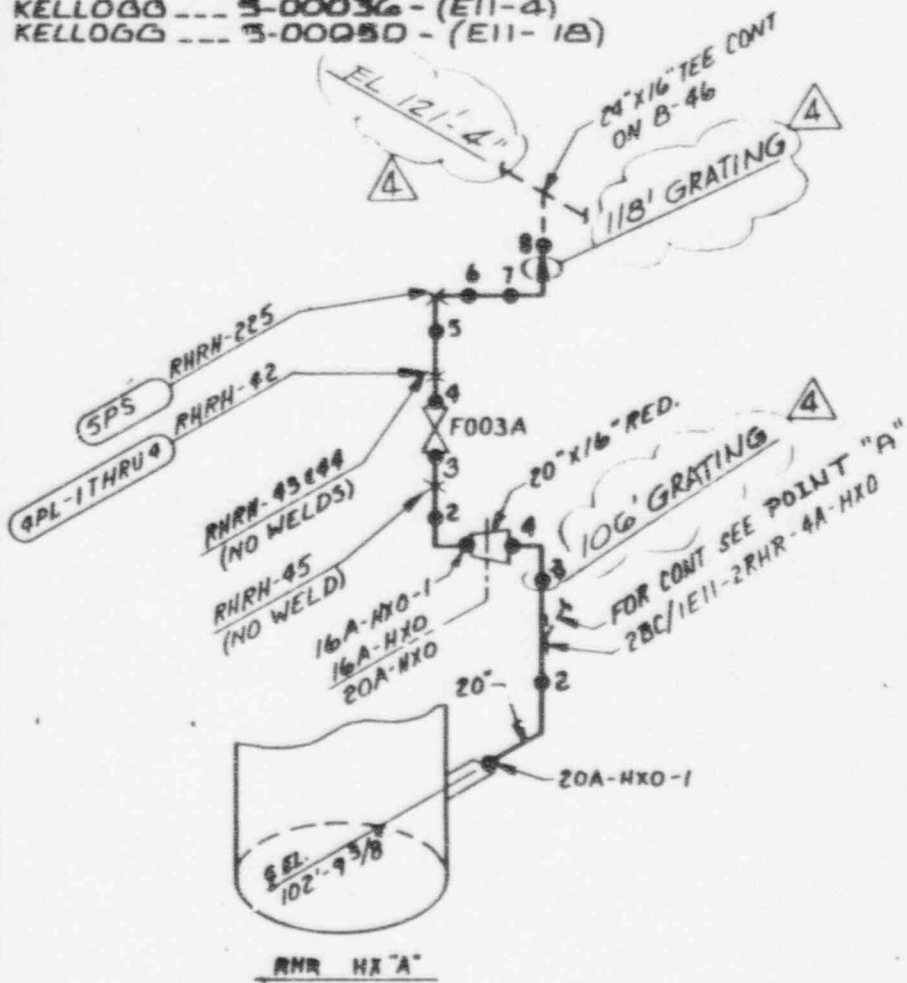
LOCATION: TORUS, S.E. DIAGONAL
 NOTE; ALL DEVICE NUMBERS
 PRECEDED BY IE11
 REF. ISO'S. *H-16831 REV. 1*

FIGURE B-46

1	1-21-91	WJG	WS	WJC
2	7-27-91	587	WS	CWD
3	3-16-96	WGS	WJG	WJC
REV	DATE	BY	CHK'D	APP'R

REFERENCES:

KELLOGG --- 5-00036 - (E11-4)
 KELLOGG --- 5-00050 - (E11-1B)



IE11-2RHR-3A-HXO-1
 IE11-2RHR-4A-HXO
 IE11-2RHR-16A-HXO
 IE11-2RHR-20A-HXO
 HEAT EXCHANGER "A" OUTLET
 HATCH 1, CLASS 2

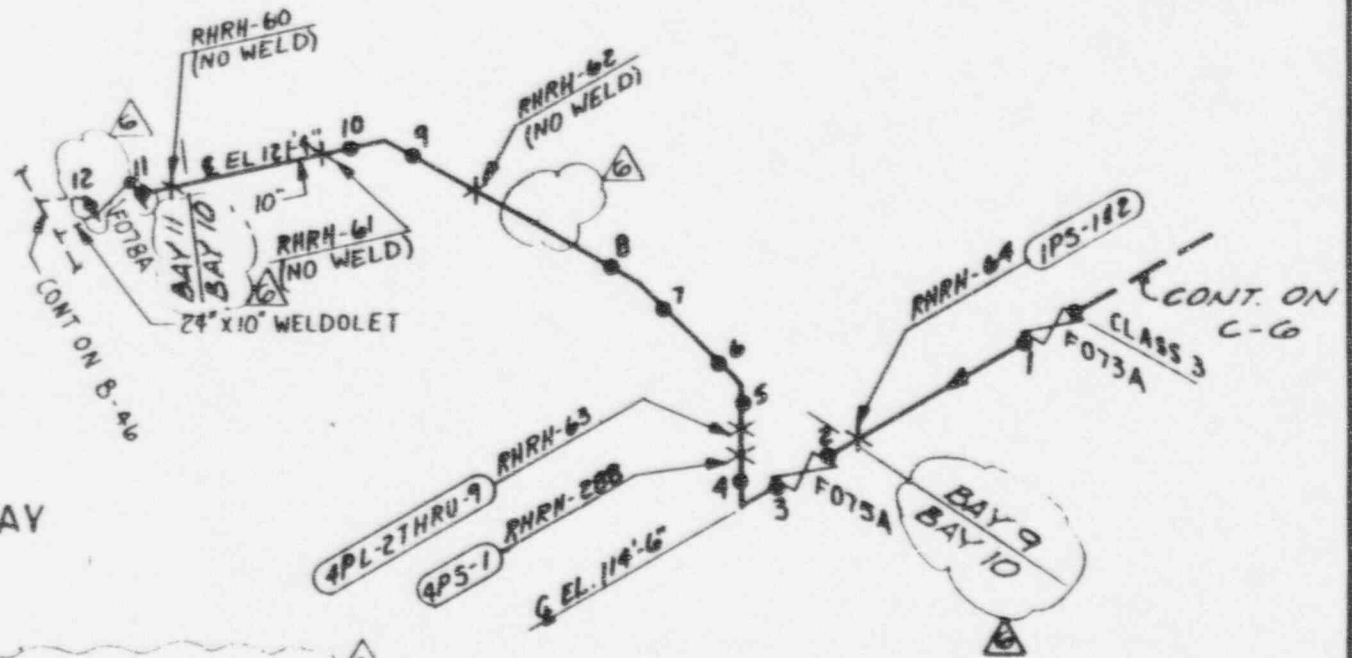
INSULATED

LOCATION: S.E. DIAGONAL
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE11

REF. ISO. H-16831 REV.1 AND H-16841 REV.1

3	6-19-91	WAS	WS	WHL
2	6/25/87	SDH	WS	CWS
4	5-16-92	WAS	WS	WHL
REV	DATE	BY	CHK'D	APP'R

FIGURE B-47

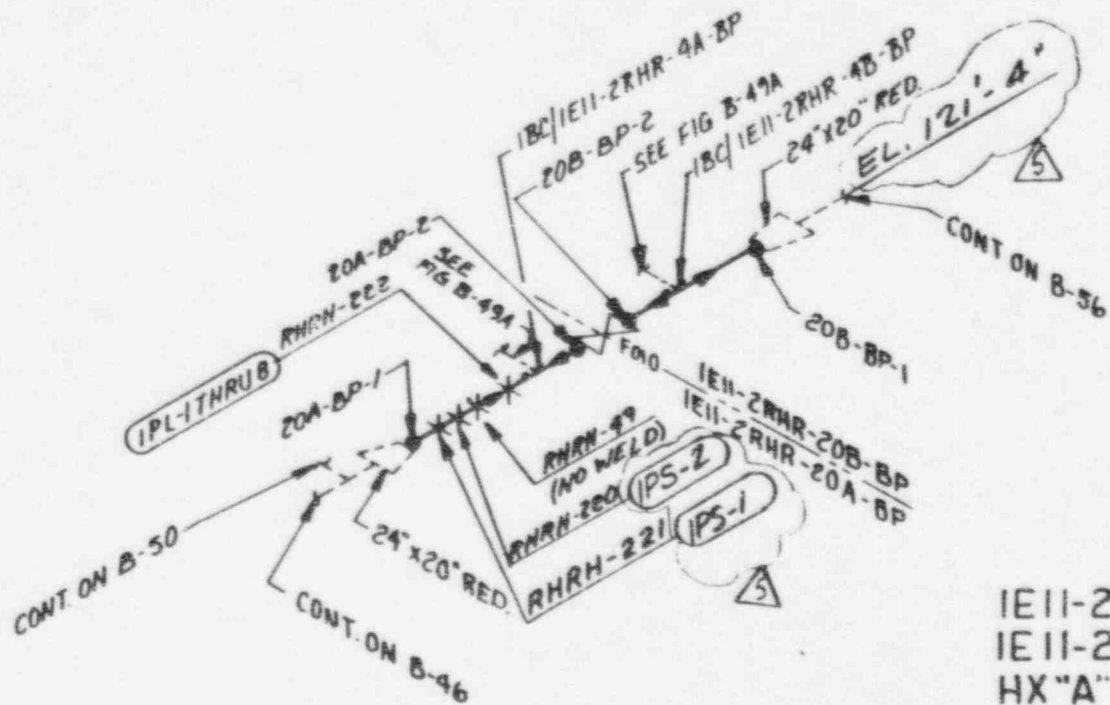


IE11-2RHR-10A-SWDS
 SER. WATER TO D.W. SPRAY
 HX. "A"
 HATCH 1, CLASS 2

(UNINSULATED)
 LOCATION: TORUS (EL. 114' BAYS 9 THRU 11)
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE11
 REF. ISO. H-16843 REV. 0

FIGURE B-48

4	9-20-88	WS	RLD	W/C
6	5-16-92	KGS	W4	W/C
5	1-31-91	KGS	WS	W/C
REV	DATE	B.	CHR D.	APP 1



IEII-2RHR-20A-BP
 IEII-2RHR-20B-BP
 HX "A" BYPASS
 HATCH 1, CLASS 2

INSULATED

LOCATION: TORUS BAY 9 - EL. 114'

NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IEII

REF. ISO. H-16830 REV. 0

FIGURE B-49

1	6-14-91	WGS	WS	WHC
2	6-25-91	SDH	WS	CWD
3	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	A. 1

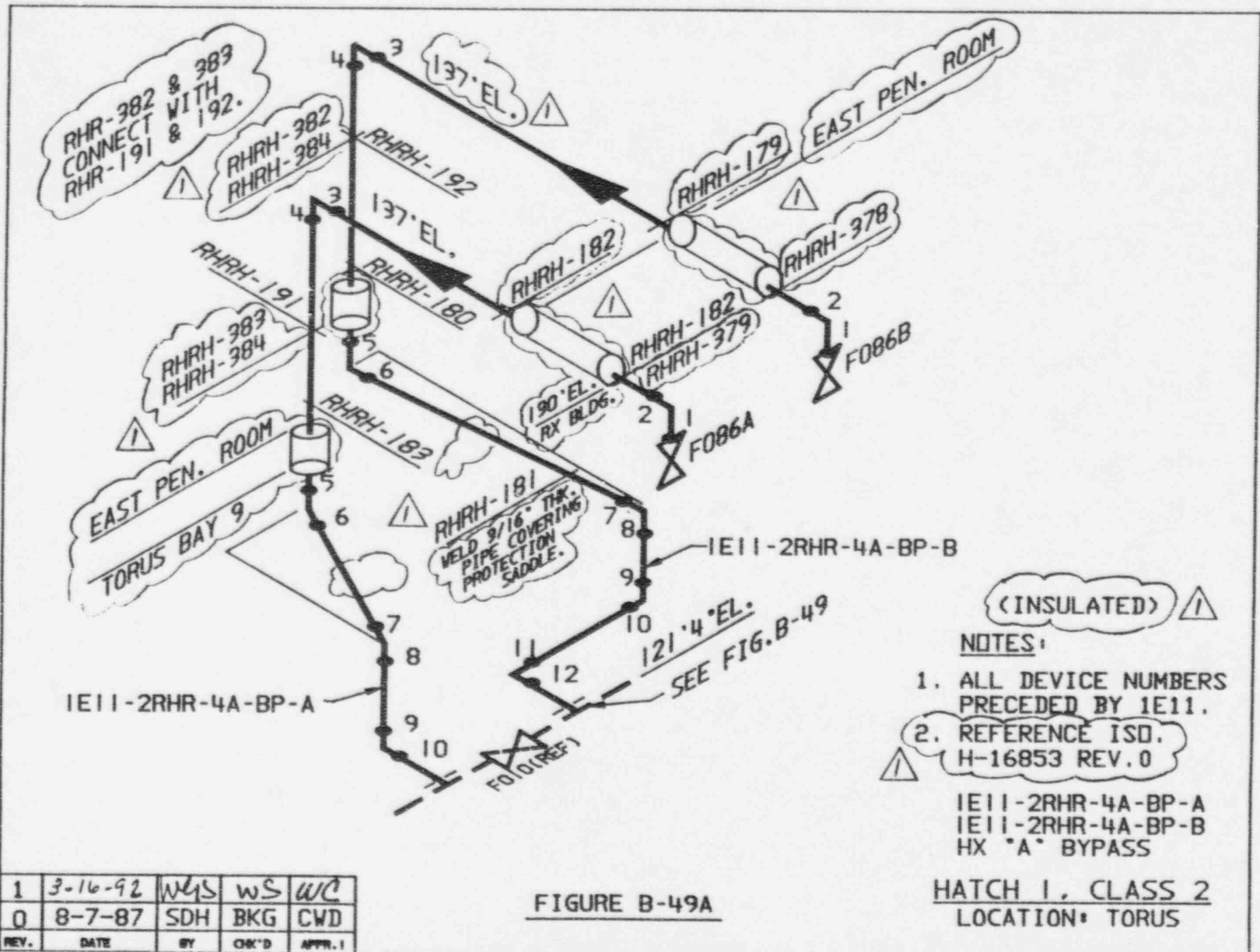


FIGURE B-49A

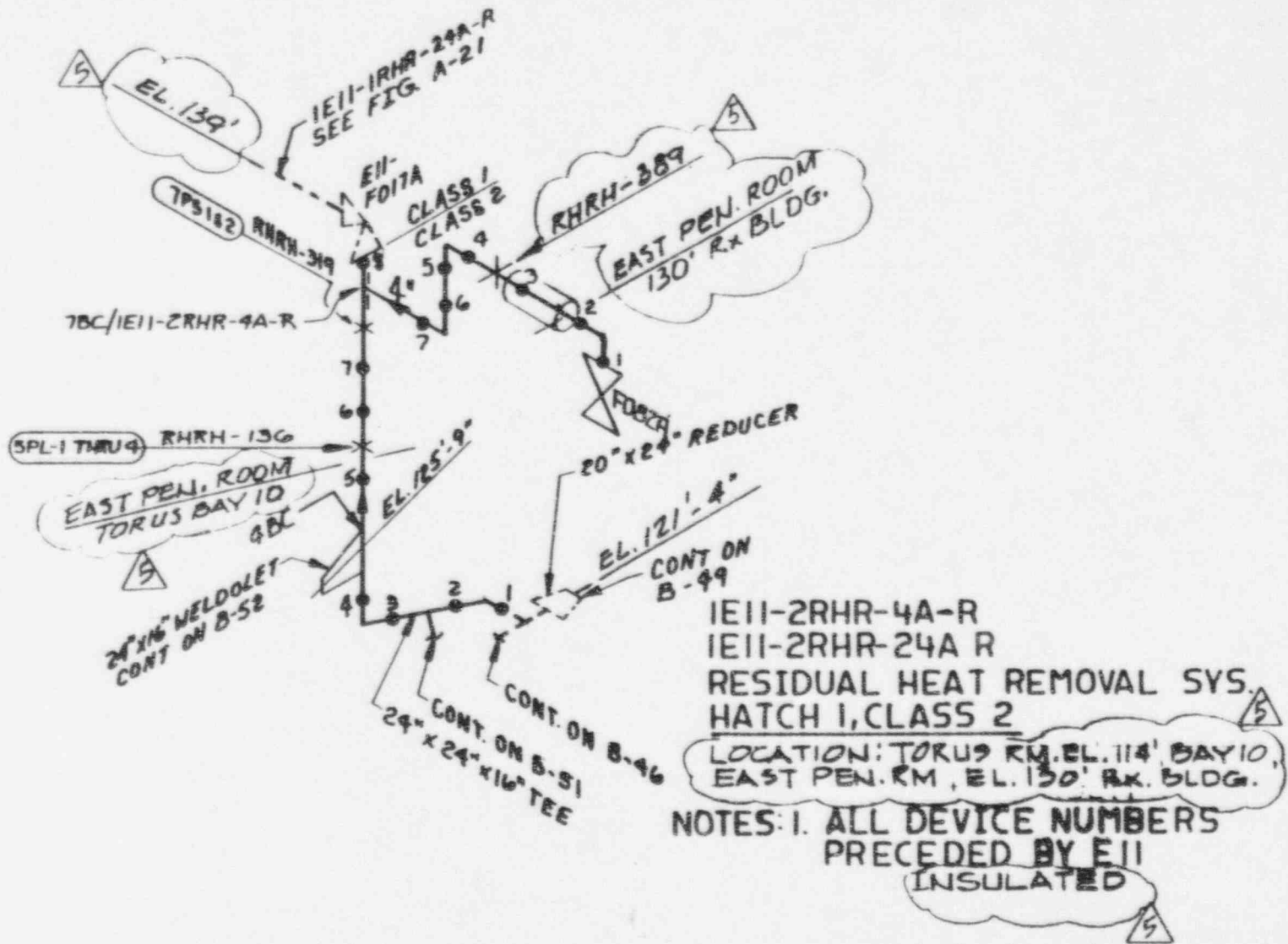
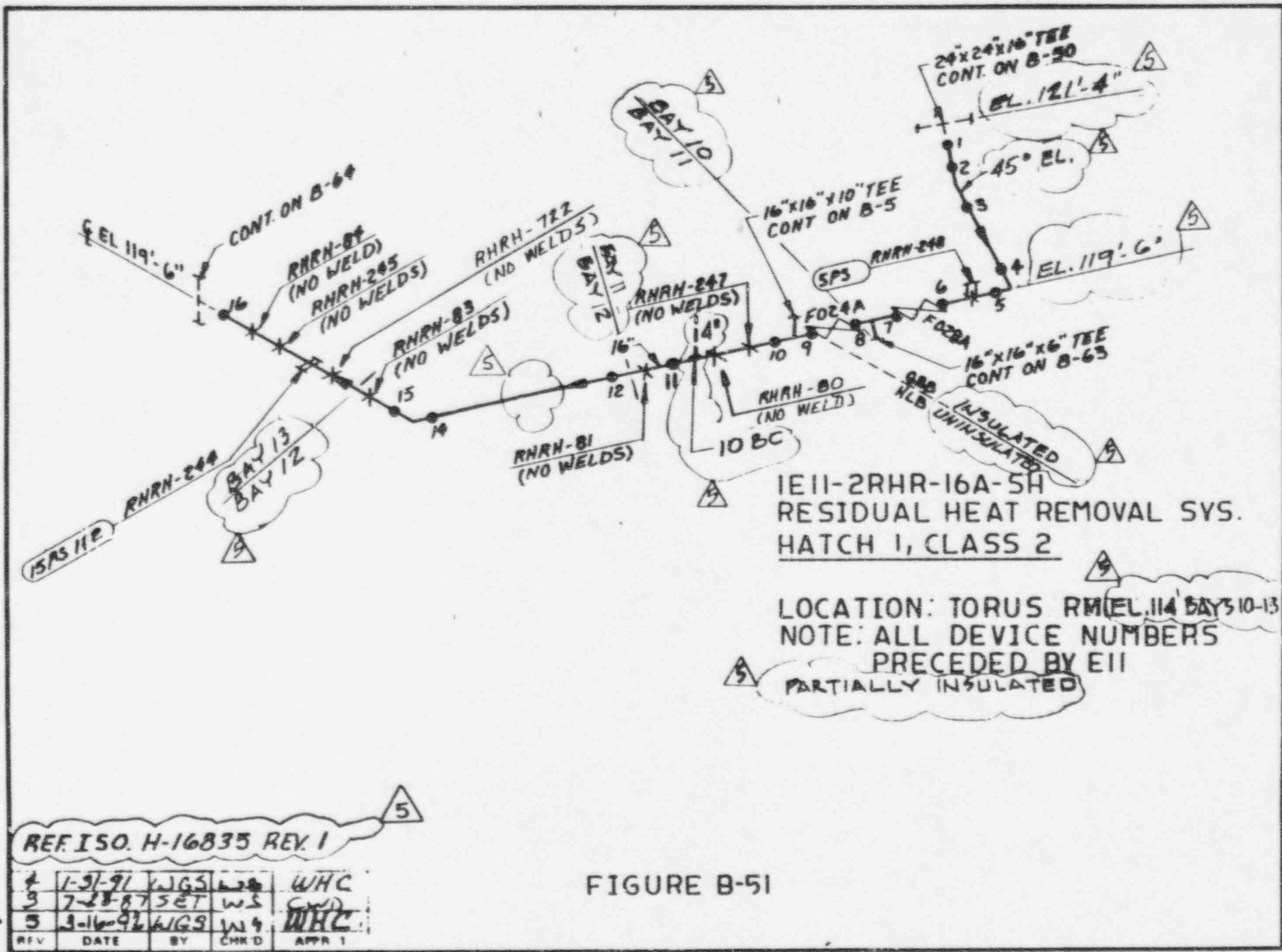


FIGURE B-50

REF. ISO. H-16850 REV. 0 AND
 H-16854 REV. 0

3	10/18/89	WBS	RLD	WJ
5	3-16-92	WGS	WJ	WJC
4	1-31-91	WGS	WJ	WJC
REV	DATE	BY	CHK'D	APP'D



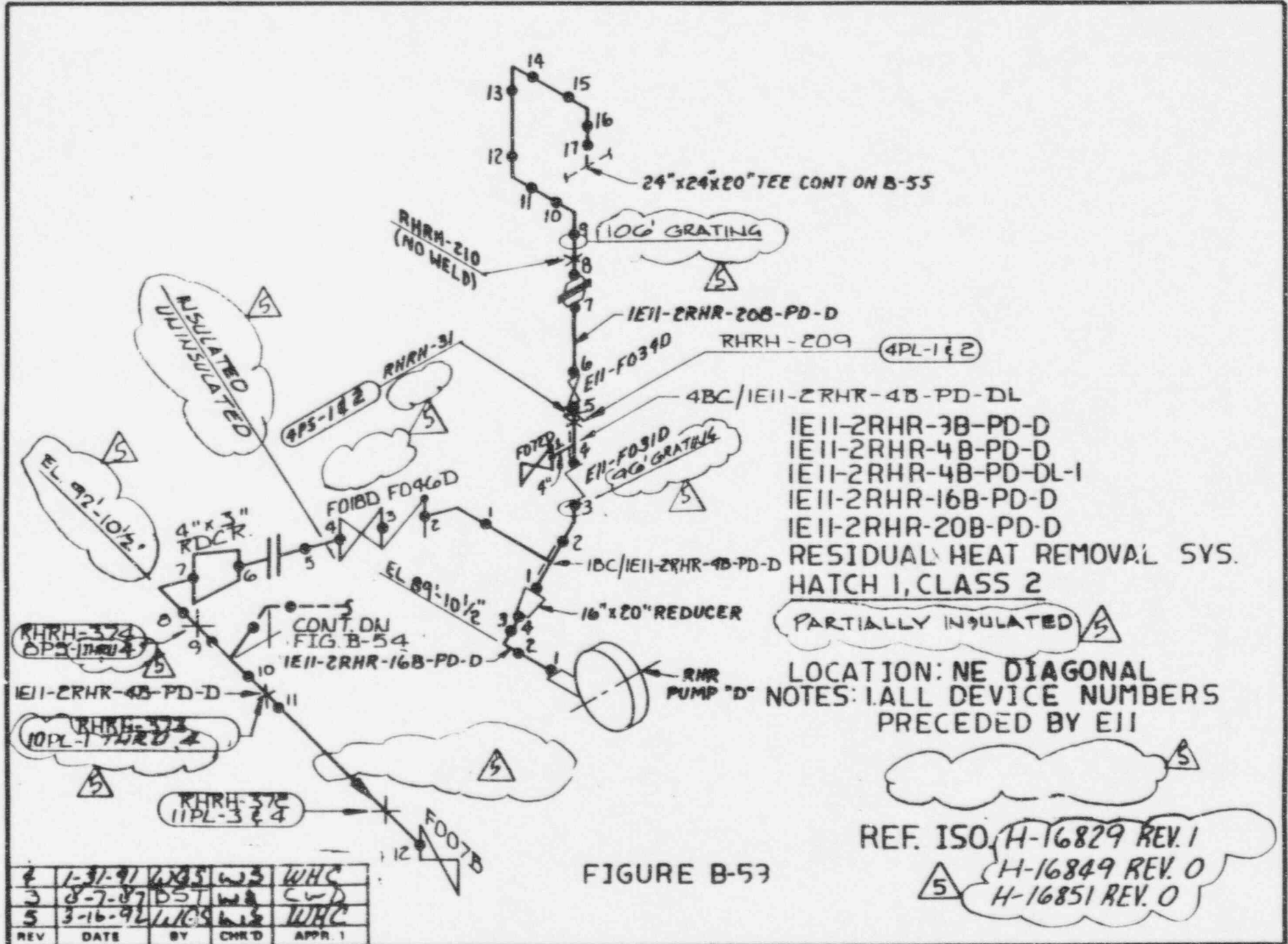
IEII-2RHR-16A-5H
RESIDUAL HEAT REMOVAL SYS.
HATCH 1, CLASS 2

LOCATION: TORUS RM (EL. 114) BAYS 10-13
NOTE: ALL DEVICE NUMBERS
PRECEDED BY EII
PARTIALLY INSULATED

REF. ISO. H-16835 REV. 1

REV	DATE	BY	CHK'D	APPR 1
4	1-9-91	WGS	WS	WHC
3	7-28-87	SET	WS	WHC
3	3-16-92	WGS	WS	WHC

FIGURE B-51



- IE11-2RHR-3B-PD-D
- IE11-2RHR-4B-PD-D
- IE11-2RHR-4B-PD-DL-1
- IE11-2RHR-16B-PD-D
- IE11-2RHR-20B-PD-D
- RESIDUAL HEAT REMOVAL SYS.
- HATCH 1, CLASS 2

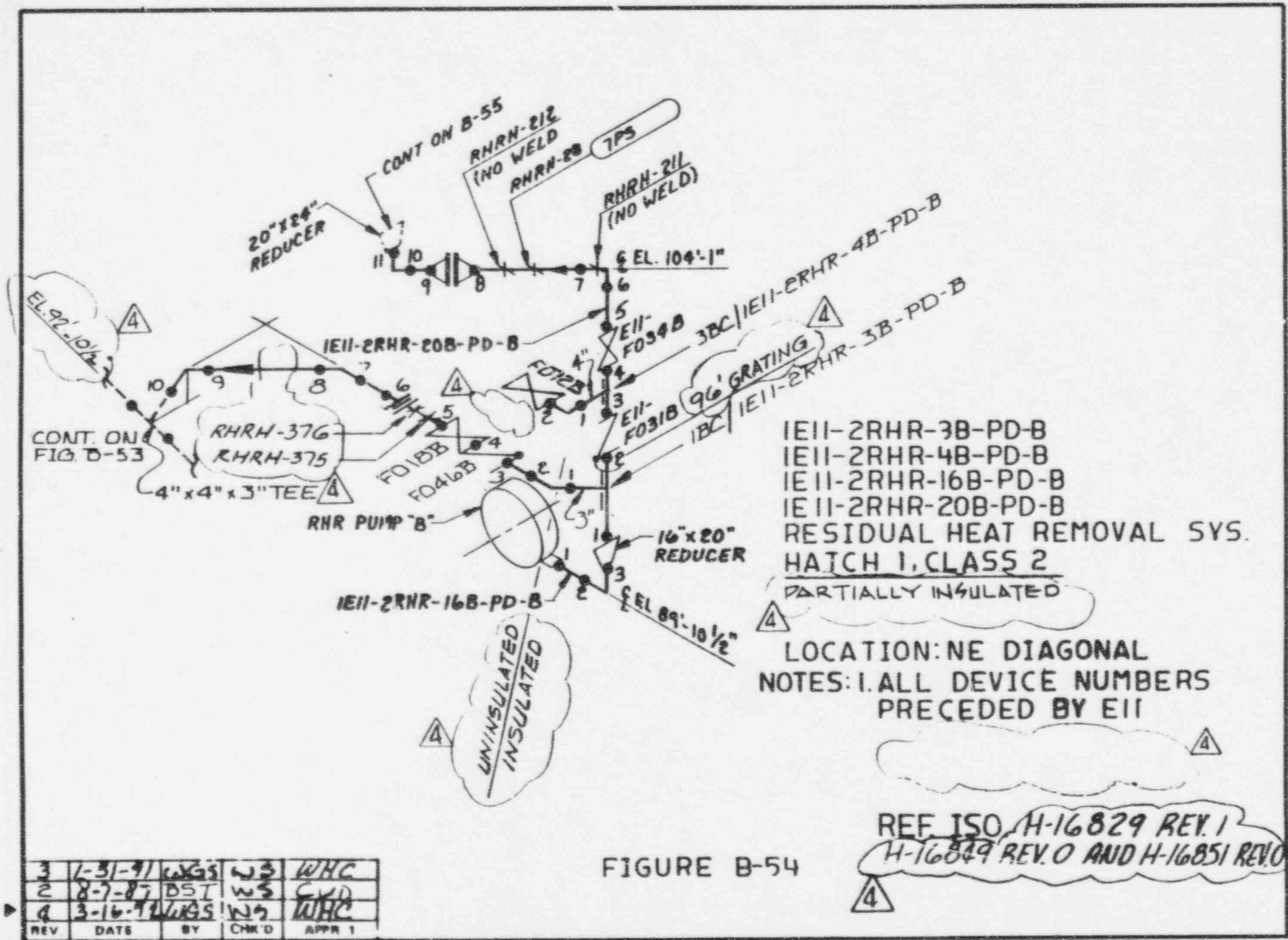
PARTIALLY INSULATED

LOCATION: NE DIAGONAL
 NOTES: ALL DEVICE NUMBERS
 PRECEDED BY E11

REF. ISO H-16829 REV. 1
 H-16849 REV. 0
 H-16851 REV. 0

FIGURE B-53

2	1-31-91	WGS	WJS	WHC
3	8-7-89	DS	WJS	CWD
5	3-16-92	WGS	WJS	WHC
REV	DATE	BY	CHK'D	APPR 1



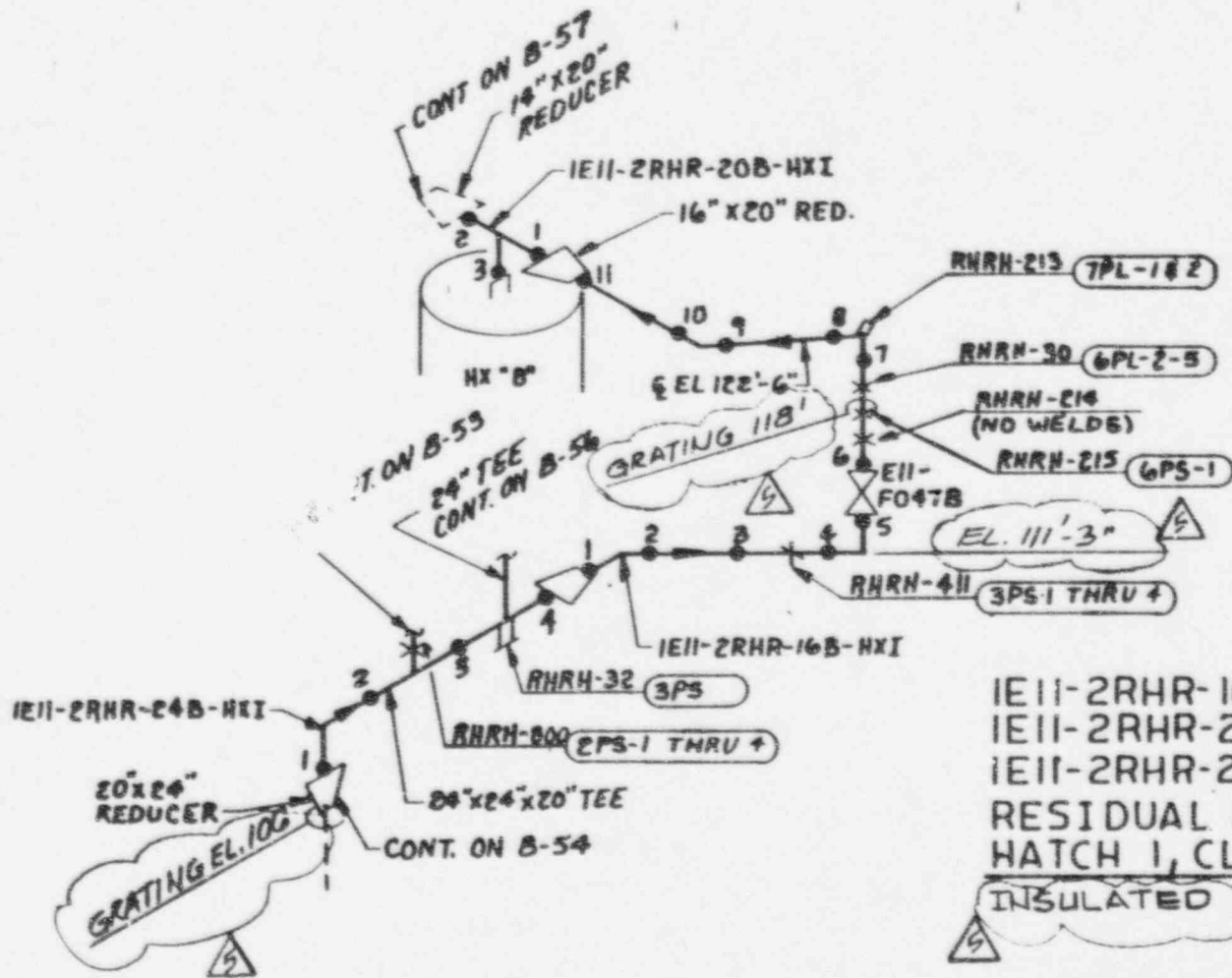
IEII-2RHR-3B-PD-B
 IEII-2RHR-4B-PD-B
 IEII-2RHR-16B-PD-B
 IEII-2RHR-20B-PD-B
 RESIDUAL HEAT REMOVAL SYS.
 HATCH 1, CLASS 2
 PARTIALLY INSULATED

LOCATION: NE DIAGONAL
 NOTES: I. ALL DEVICE NUMBERS
 PRECEDED BY EII

REF ISO H-16829 REV.1
 H-16849 REV.0 AND H-16851 REV.0

FIGURE B-54

3	1-31-91	WGS	WS	WHC
2	8-7-87	BST	WS	CVD
4	3-16-91	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1



IE11-2RHR-16B-HX1
 IE11-2RHR-20B-HX1
 IE11-2RHR-24B-HX1
 RESIDUAL HEAT REMOVAL SYSTEM
 HATCH 1, CLASS 2

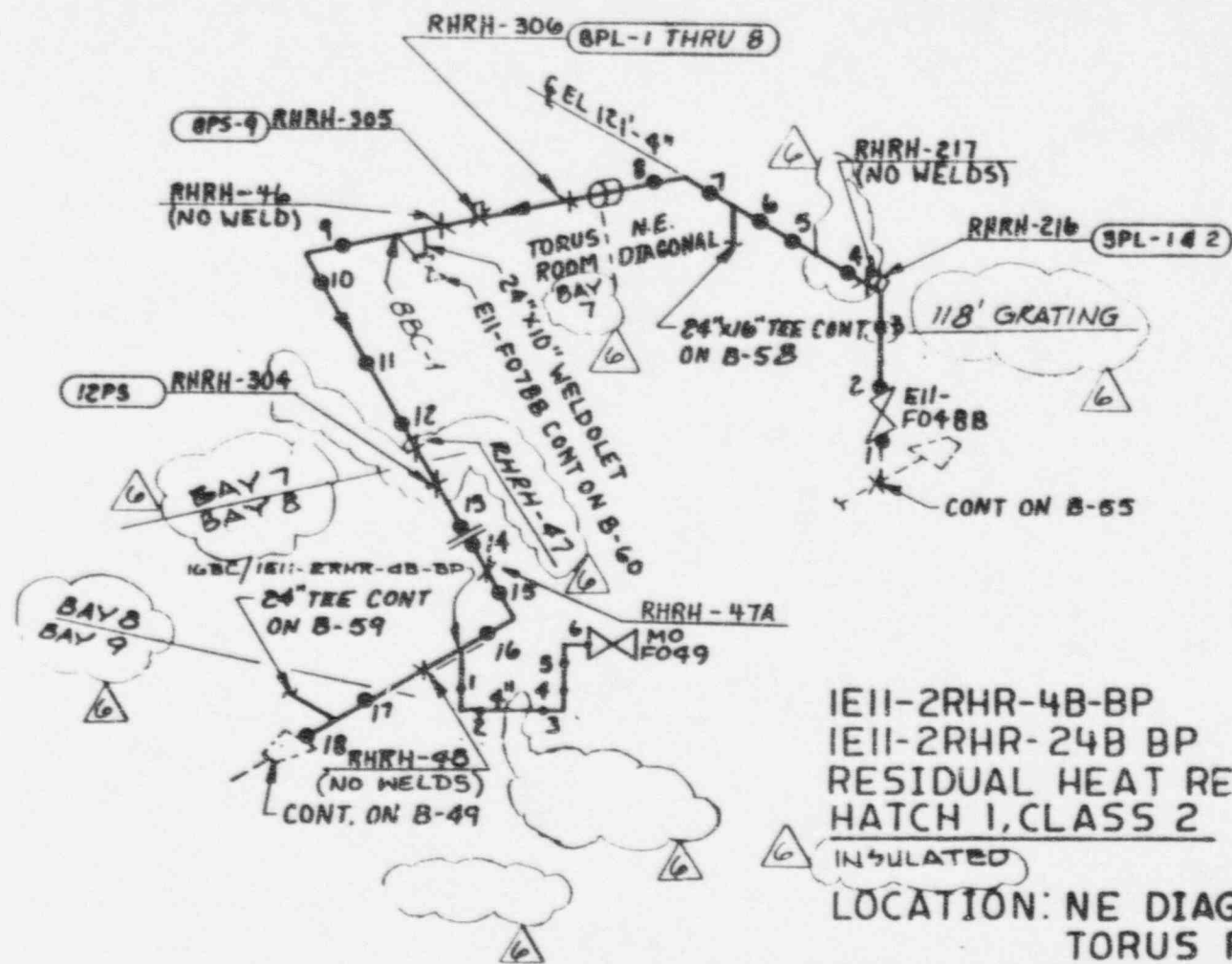
INSULATED

LOCATION: NE DIAGONAL
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY E11

REF. ISO. H-16829 REV. 1

FIGURE B-55

REV	DATE	BY	CHK D	APPR
4	9-20-88	WS	RLD	WRC
6	3-16-92	WGS	WS	WRC
5	1-31-91	WGS	WS	WRC



IEII-2RHR-48-BP
 IEII-2RHR-248 BP
 RESIDUAL HEAT REMOVAL SYSTEM
 HATCH 1, CLASS 2

INSULATED

LOCATION: NE DIAGONAL AND
 TORUS ROOM (BAYS 7 THRU 9)

NOTES: I. ALL DEVICE NUMBERS
 PRECEDED BY EII

4	9-20-88	WS	RLD	WHC
6	3-16-92	WGS	WS	WHC
5	1-31-91	WBS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1

FIGURE B-56

REF. ISO'S H-16829 REV. 1
 H-16846 REV. 1 AND H-16852 REV. 0

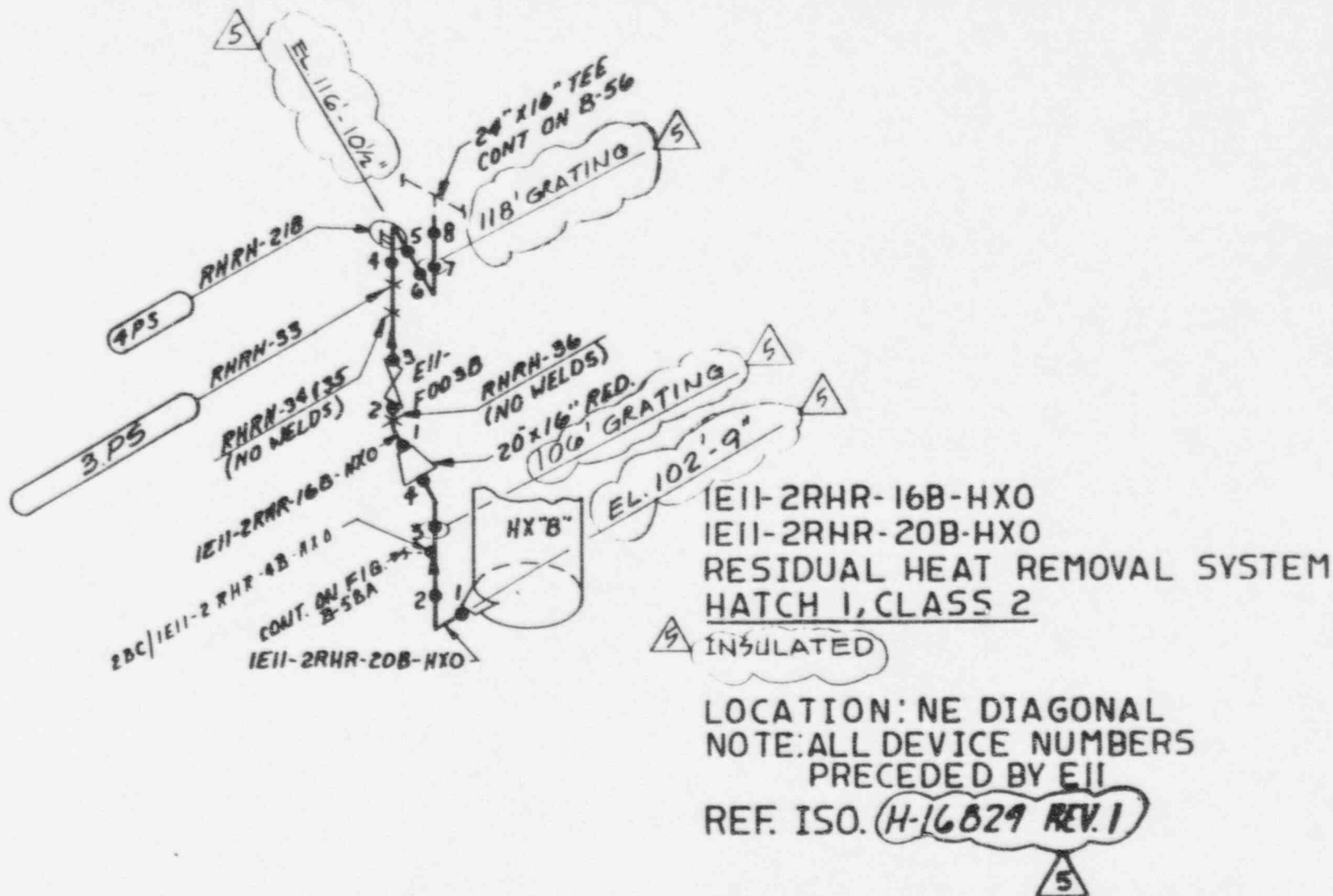
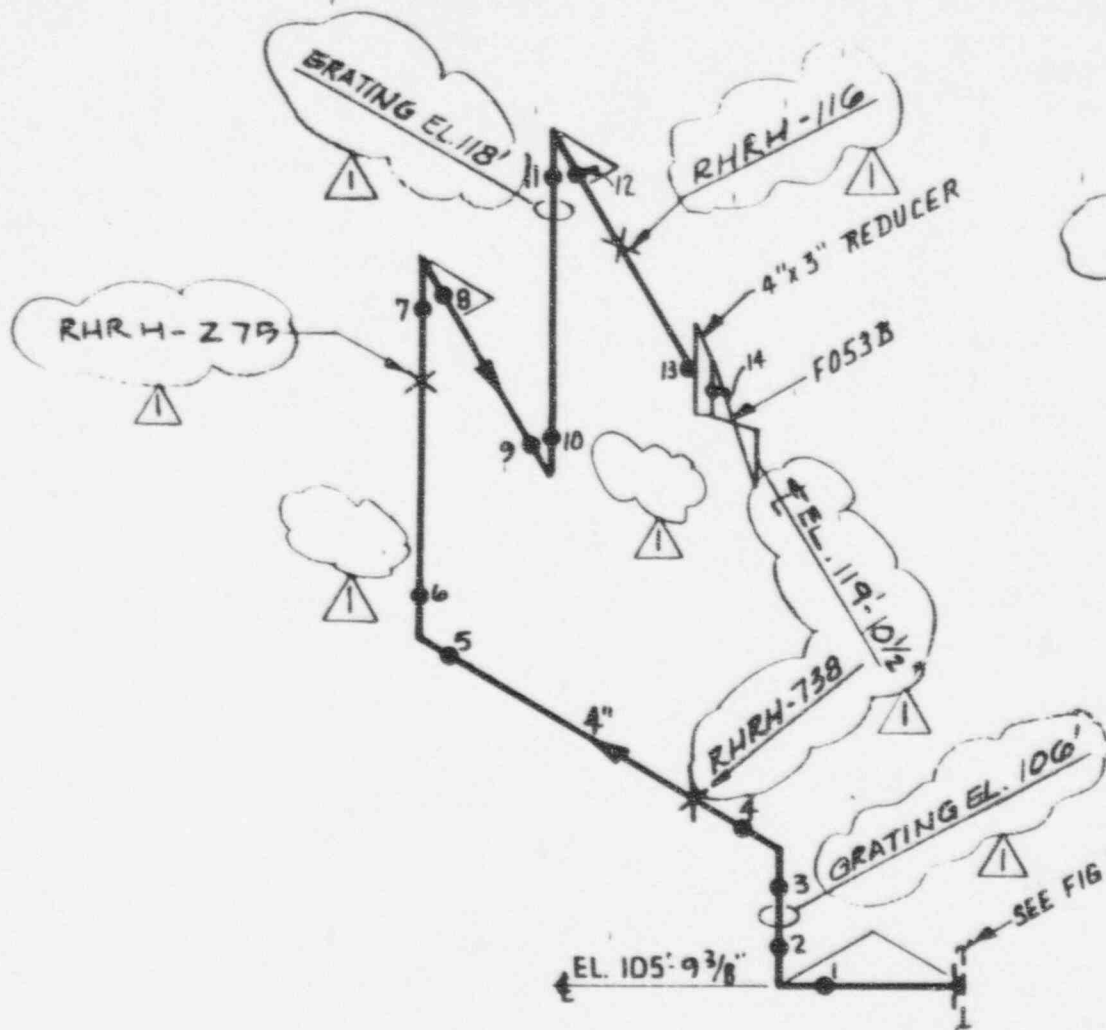


FIGURE B-58

3	10/17/89	WGS	PLD	MB
3	3-16-92	WGS	WS	WHC
4	1-31-91	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR. 1



IEII-2RHR-4 B-HXO
RESIDUAL HEAT REMOVAL SYSTEM
HATCH 1, CLASS 2

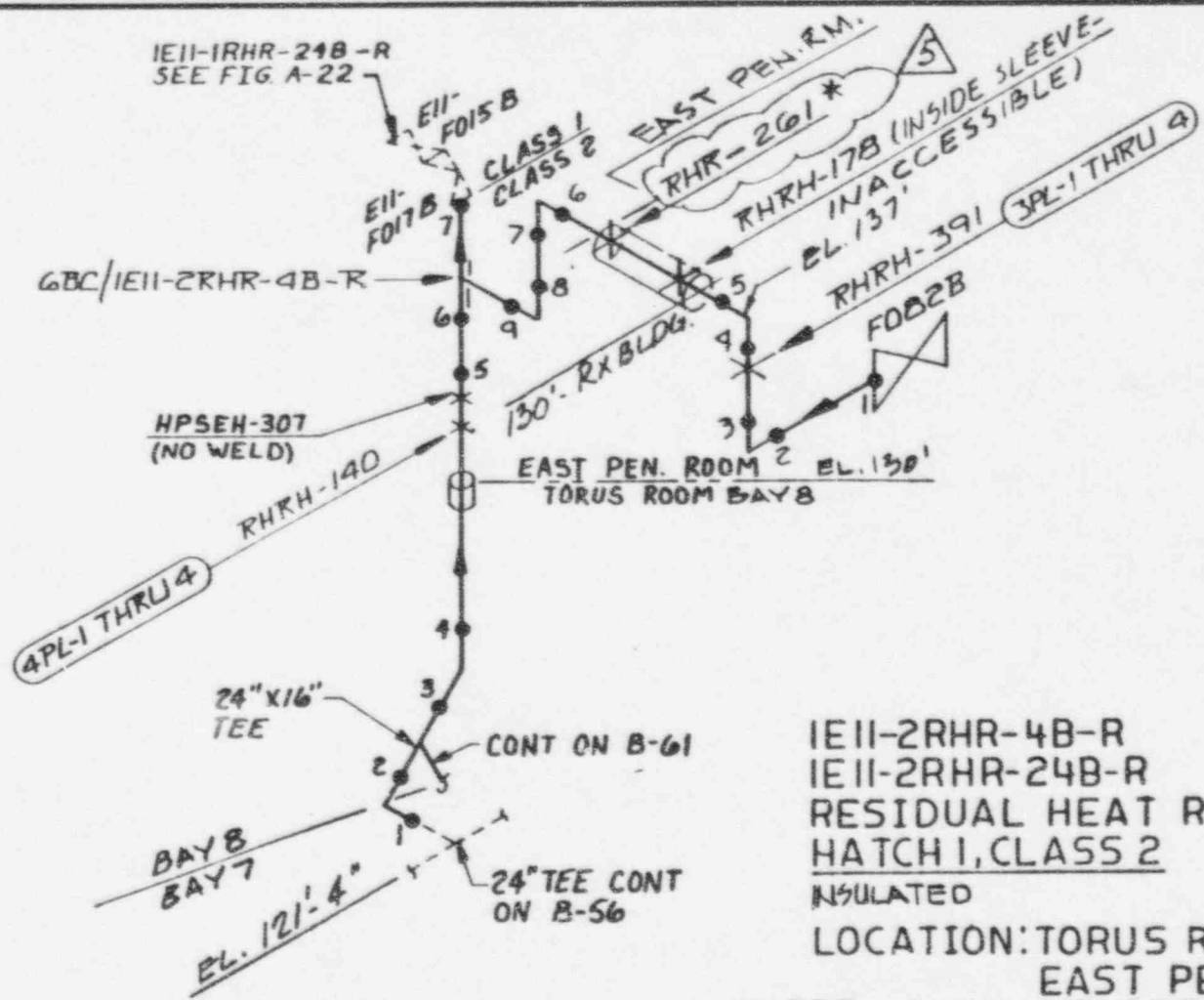
LOCATION NE. DIAGONAL
NOTES I. ALL DEVICE NUMBERS
PRECEDED BY EII.

INSULATED

REF ISO. H-16841 REV. 1

REV	DATE	BY	CHK'D	APPR 1
1	3-16-92	WGS	WS	WHC
0	6/9/87	SDH	WS	CUD

FIGURE B-58A



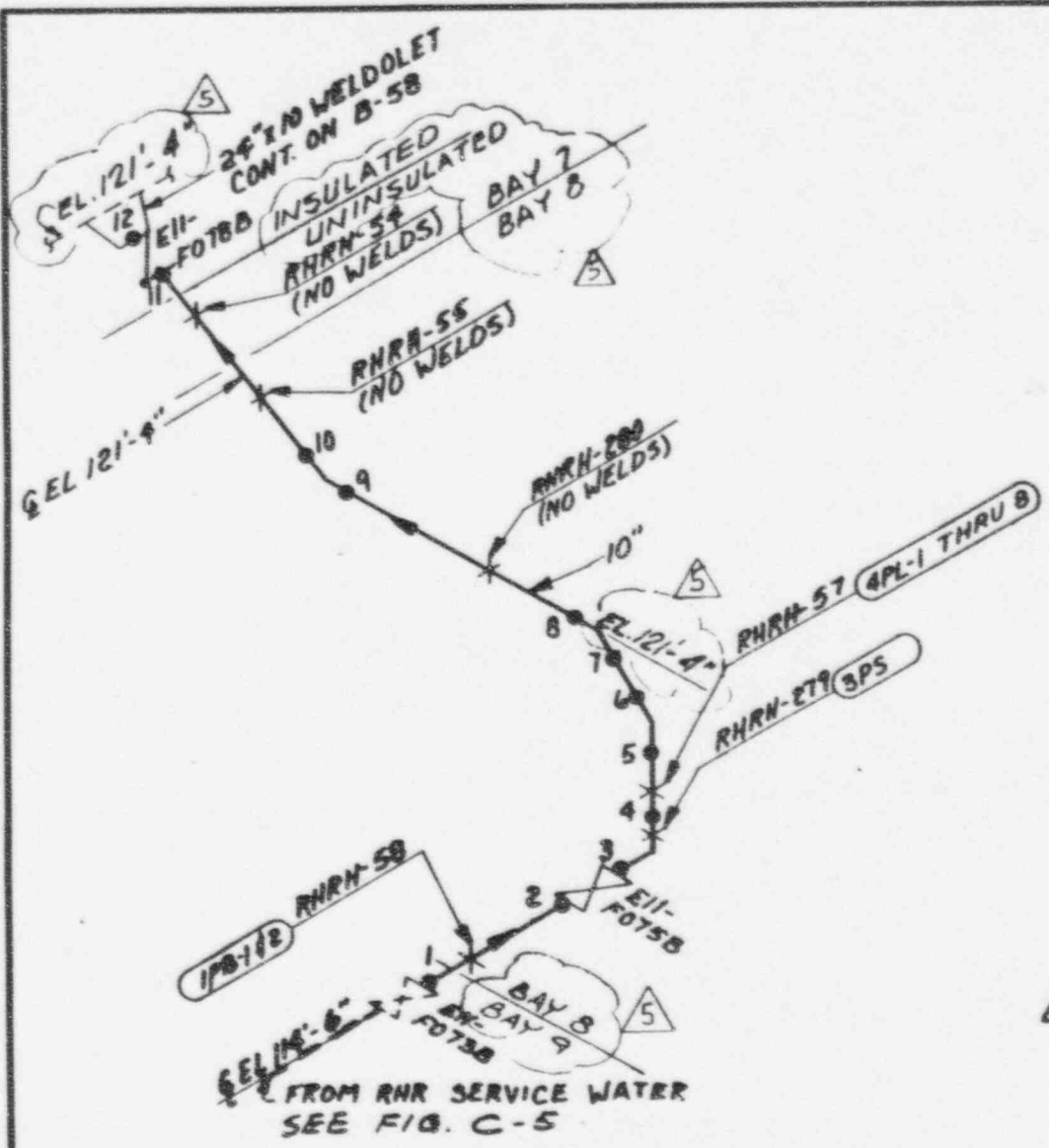
IEII-2RHR-4B-R
 IEII-2RHR-24B-R
 RESIDUAL HEAT REMOVAL SYS.
 HATCH 1, CLASS 2
 INSULATED
 LOCATION: TORUS RM. BAY 7 & 8
 EAST PEN. RM, 130' Rx. BLDG.
 NOTES: 1. ALL DEVICE NUMBERS
 PRECEDED BY EII

* FEB 1991 WALKDOWN.

REV.	DATE	BY	CHK'D	APPR 1
3	1-31-91	WSS	WS	WHC
5	8-25-93	WS	RFN	WHC
4	3-16-76	WGS	WS	WHC

FIGURE B-59

REF. ISO. H-16846 REV. 1 AND H-16854 REV. 0

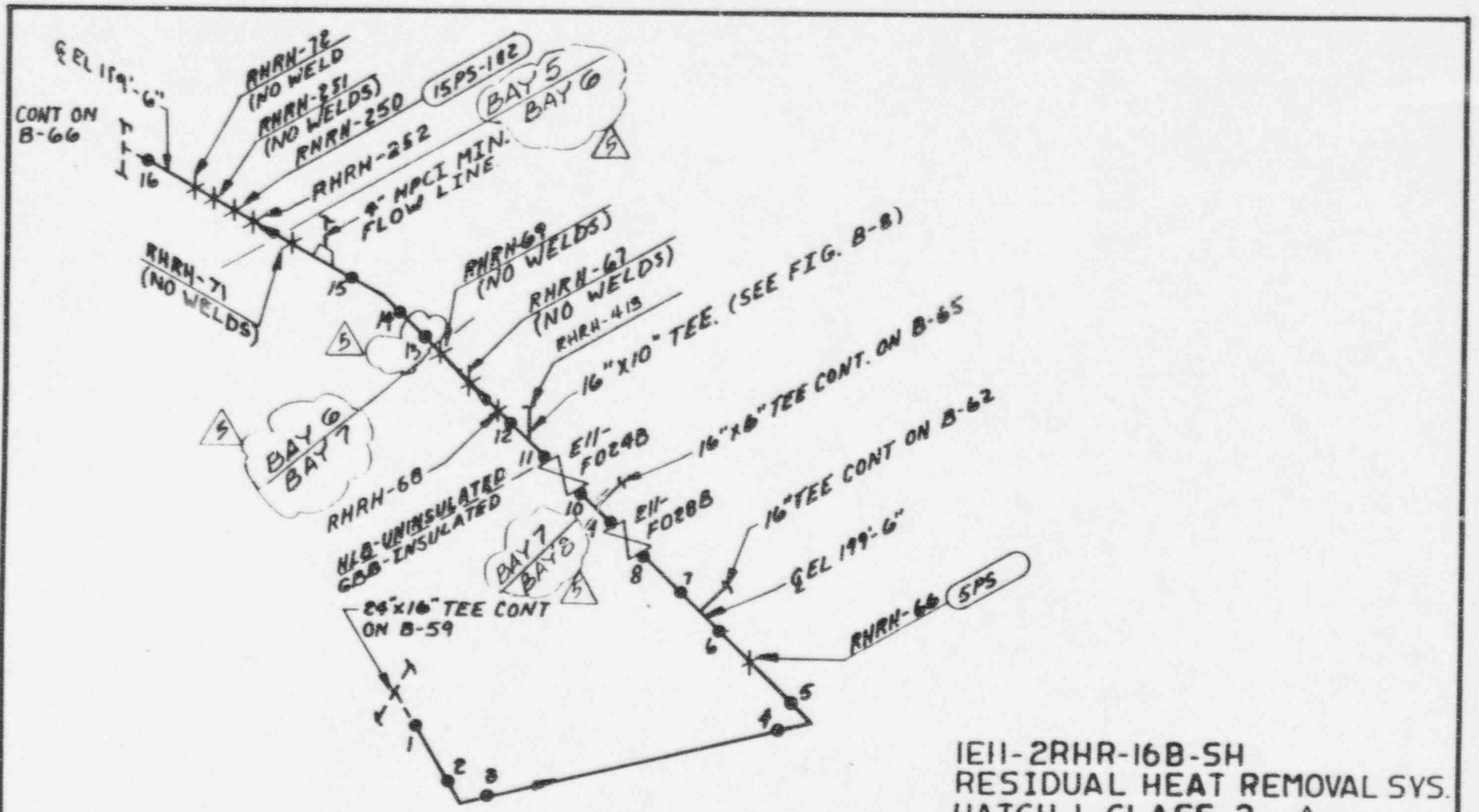


IEII-2RHR-10B-SWDS
 RESIDUAL HEAT REMOVAL SYS.
 HATCH 1, CLASS 2

PARTIALLY INSULATED
 LOCATION: TORUS RM. BAYS 7-9
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY EII
 REF. ISO. H-16842 RERO

2	1-31-91	WGS	WGS	WRC
3	7-29-87	SET	WGS	CWD
3	3-16-92	WGS	WGS	WRC
REV	DATE	BY	CHK'D	APPR 1

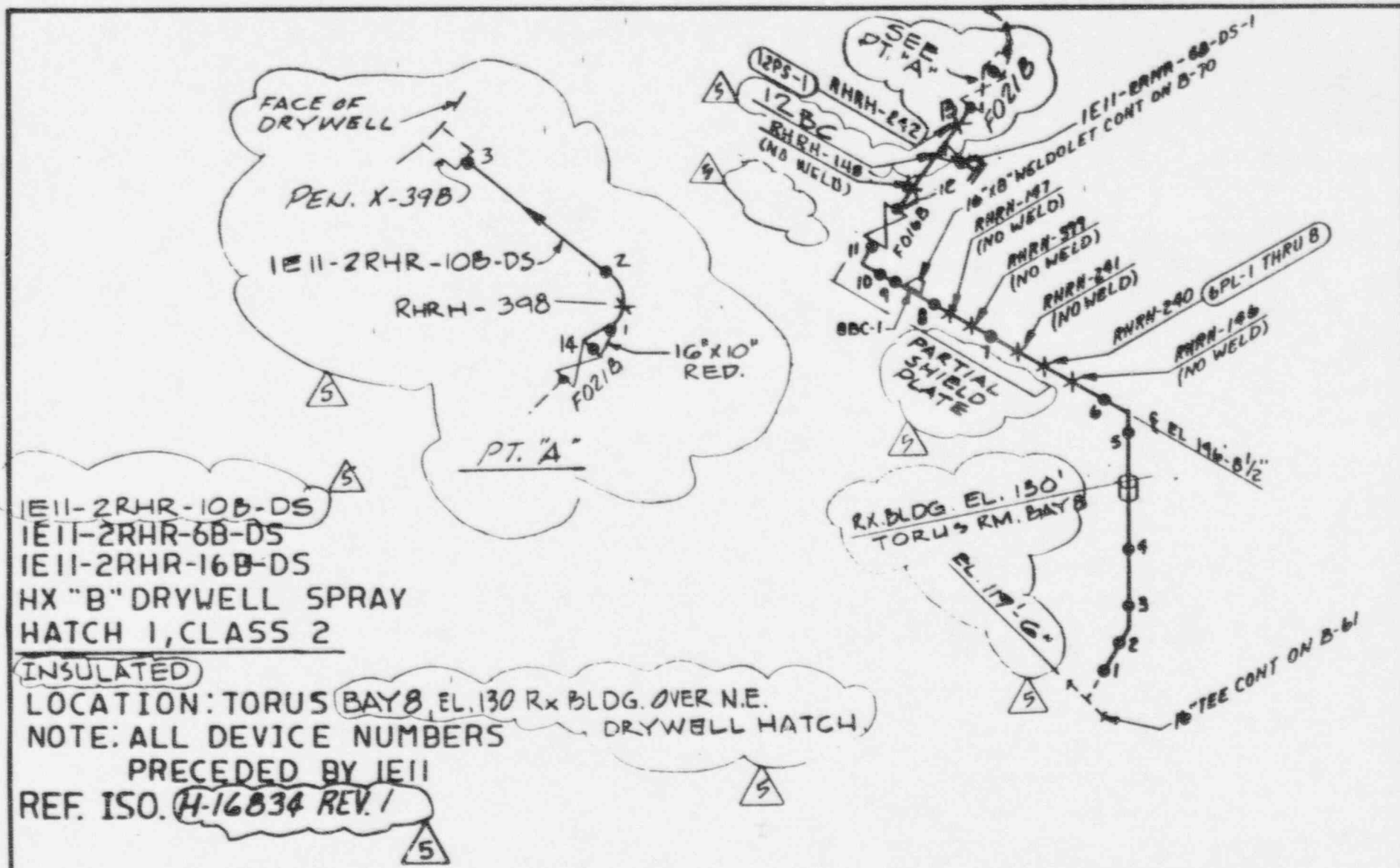
FIGURE B-60



IEII-2RHR-16B-5H
 RESIDUAL HEAT REMOVAL SYS.
 HATCH 1, CLASS 2
 PARTIALLY INSULATED
 LOCATION: TORUS ROOM BAYS 5-8
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY EII
 REF. ISO. H-16837 REV. 1

FIGURE B-61

REV	DATE	P	CHK D	APP I
4	1-31-91	WGS	WS	WHC
3	7-29-87	SET	WS	CWD
5	3-16-92	WGS	WS	WHC



IE11-2RHR-10B-DS
 IE11-2RHR-6B-DS
 IE11-2RHR-16B-DS
 HX "B" DRYWELL SPRAY
 HATCH 1, CLASS 2

INSULATED

LOCATION: TORUS BAY 8, EL. 130 RX BLDG. OVER N.E.
 DRYWELL HATCH,

NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE11
 REF. ISO. H-16834 REV. 1

FIGURE B-62

4	1-31-91	WGS	WS	WHC
3	7/9/87	BST	WS	CWD
5	8-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR. 1

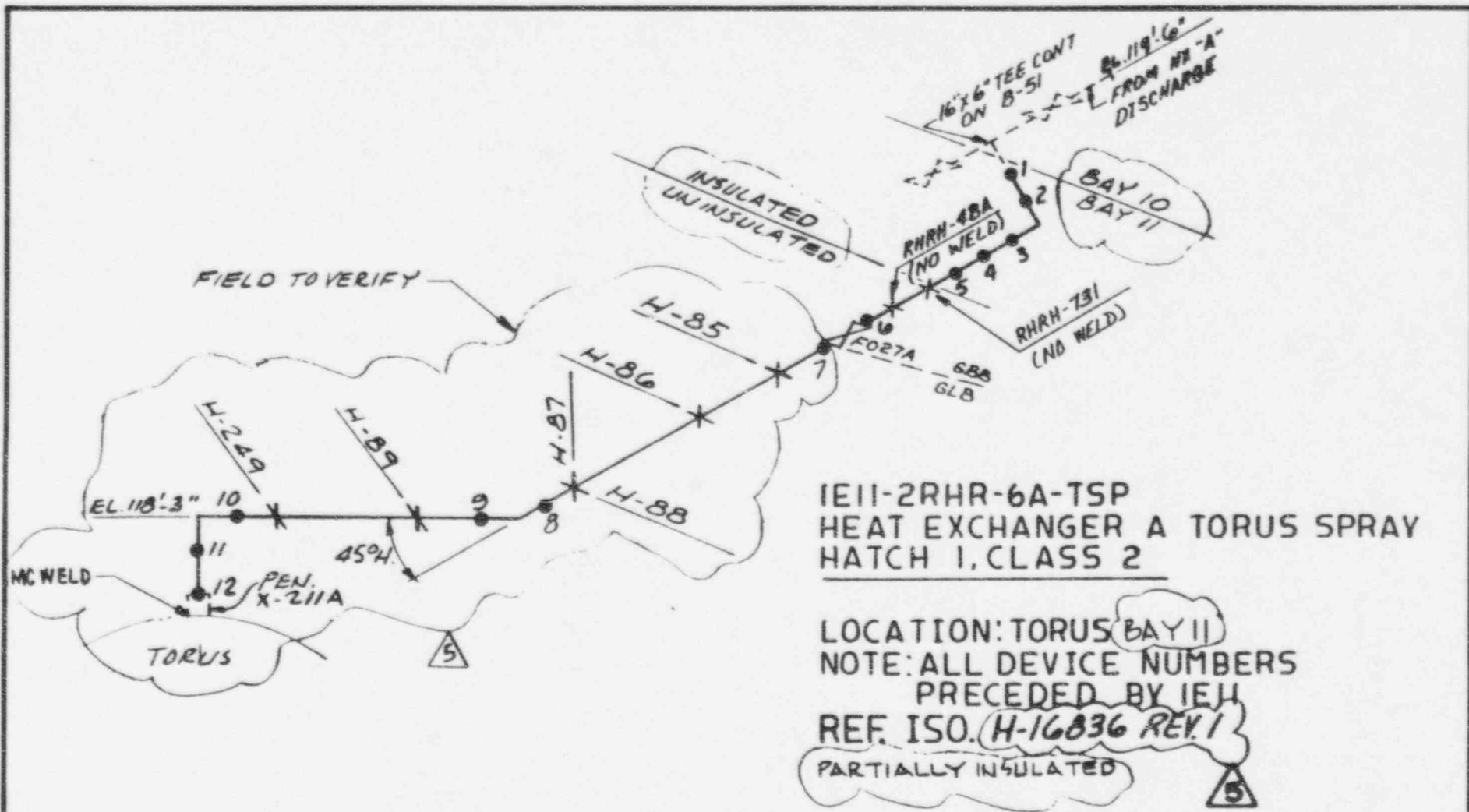
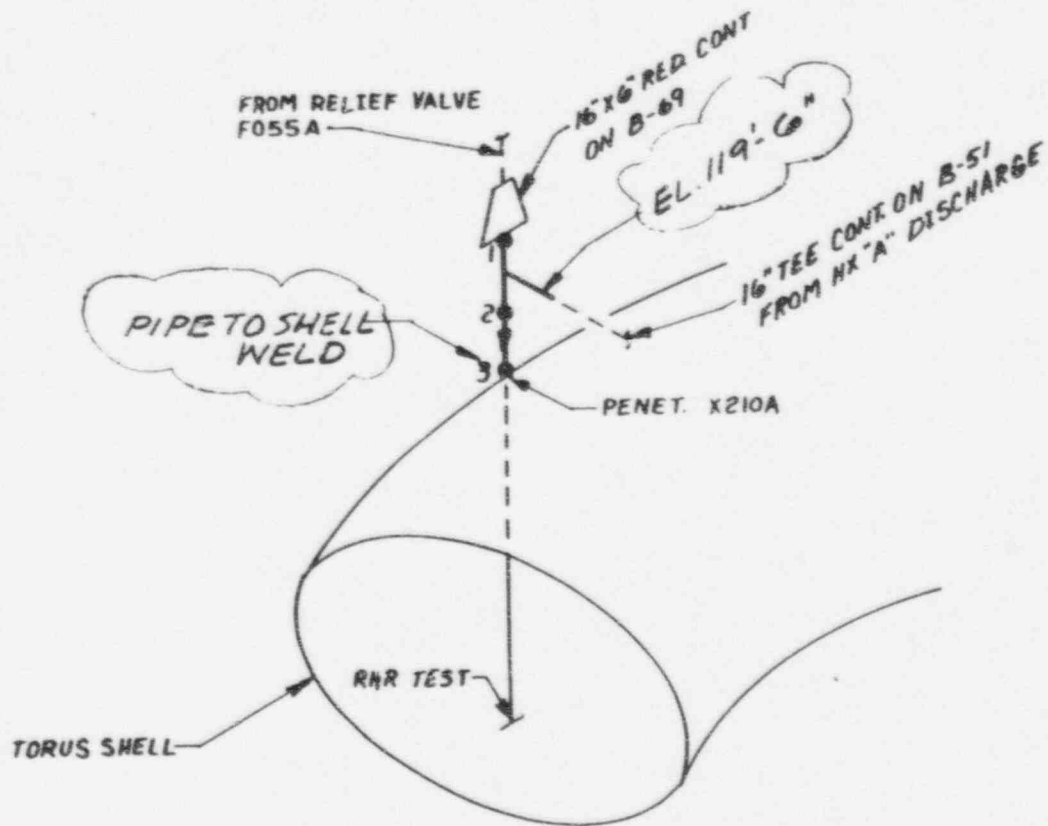


FIGURE B-63

2	6-19-91	WGS	WS	WHC
3	7-29-87	SET	WS	CWD
3	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1



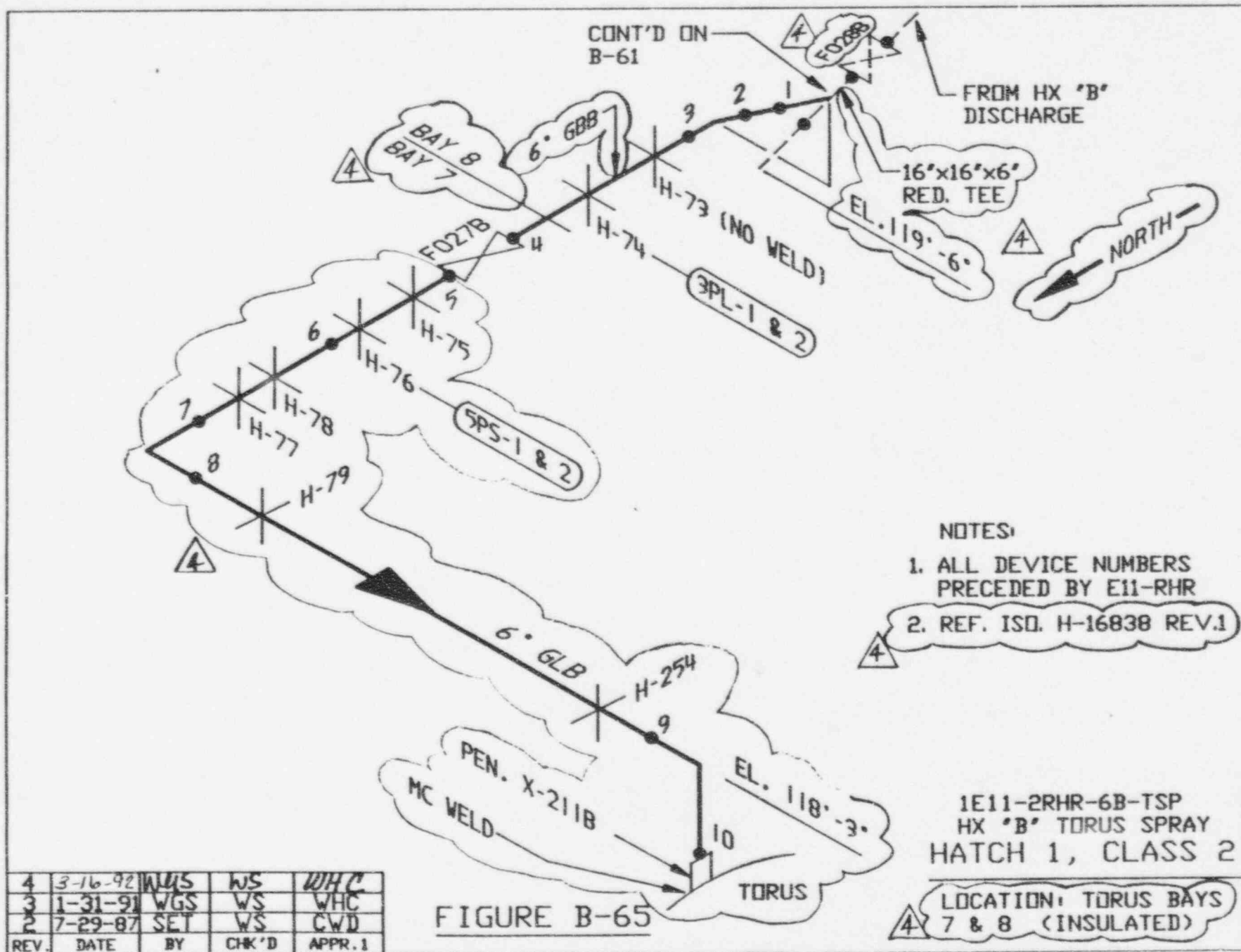
IE11-2RHR-16A-TL
 HX "A" TEST LINE
 HATCH 1, CLASS 2

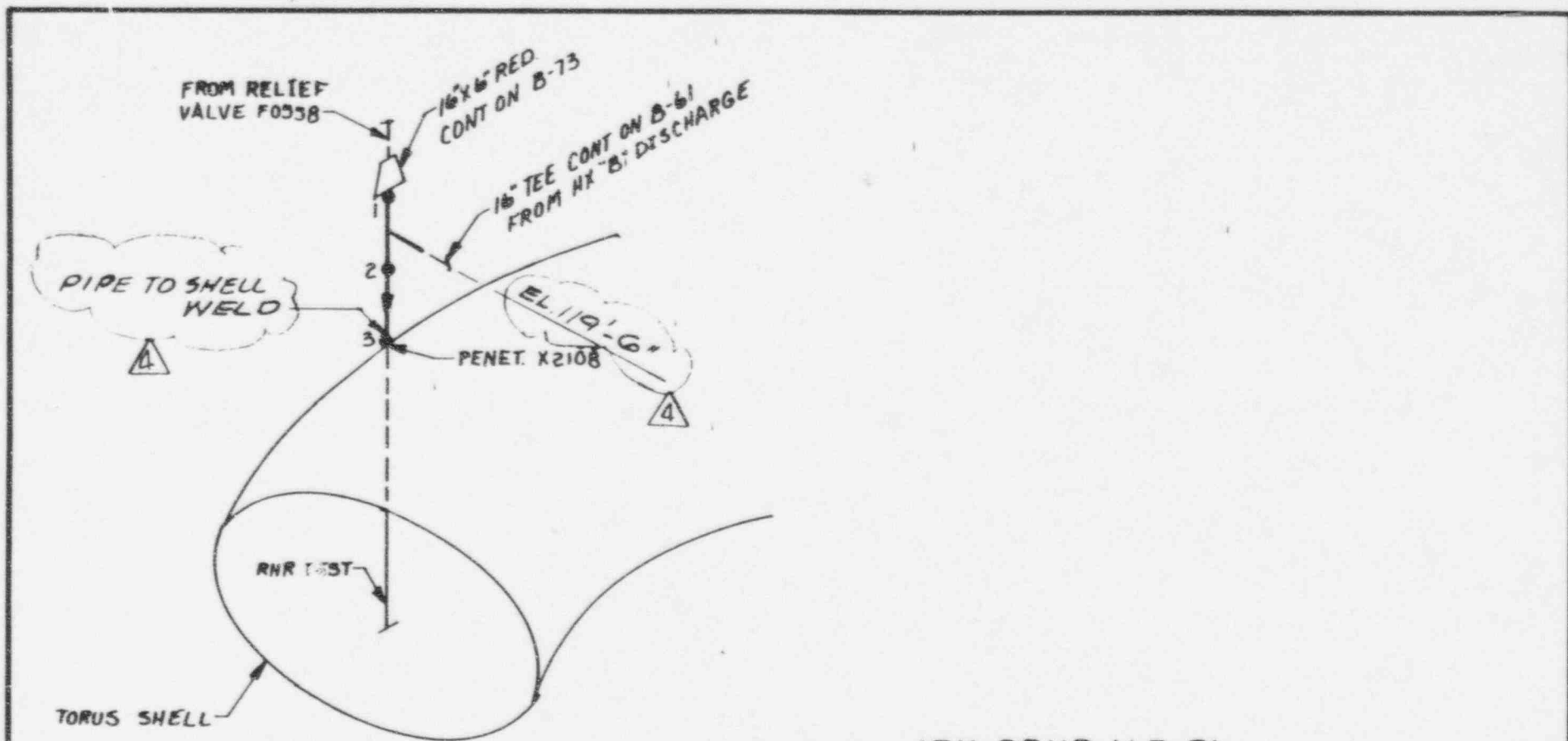
LOCATION: TORUS BAY 13
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE11
 REF. ISO. H-16835 REV. 1
 UNINSULATED



FIGURE B-64

REV	DATE	P	CHK D	APPR 1
3	6-19-91	WGS	WS	WHC
2	7-29-91	SET	WS	CVD
4	3-16-92	WGS	WS	WHC





IE11-2RHR-16B-TL
 HX"B"TEST LINE
 HATCH 1, CLASS 2

UNINSULATED

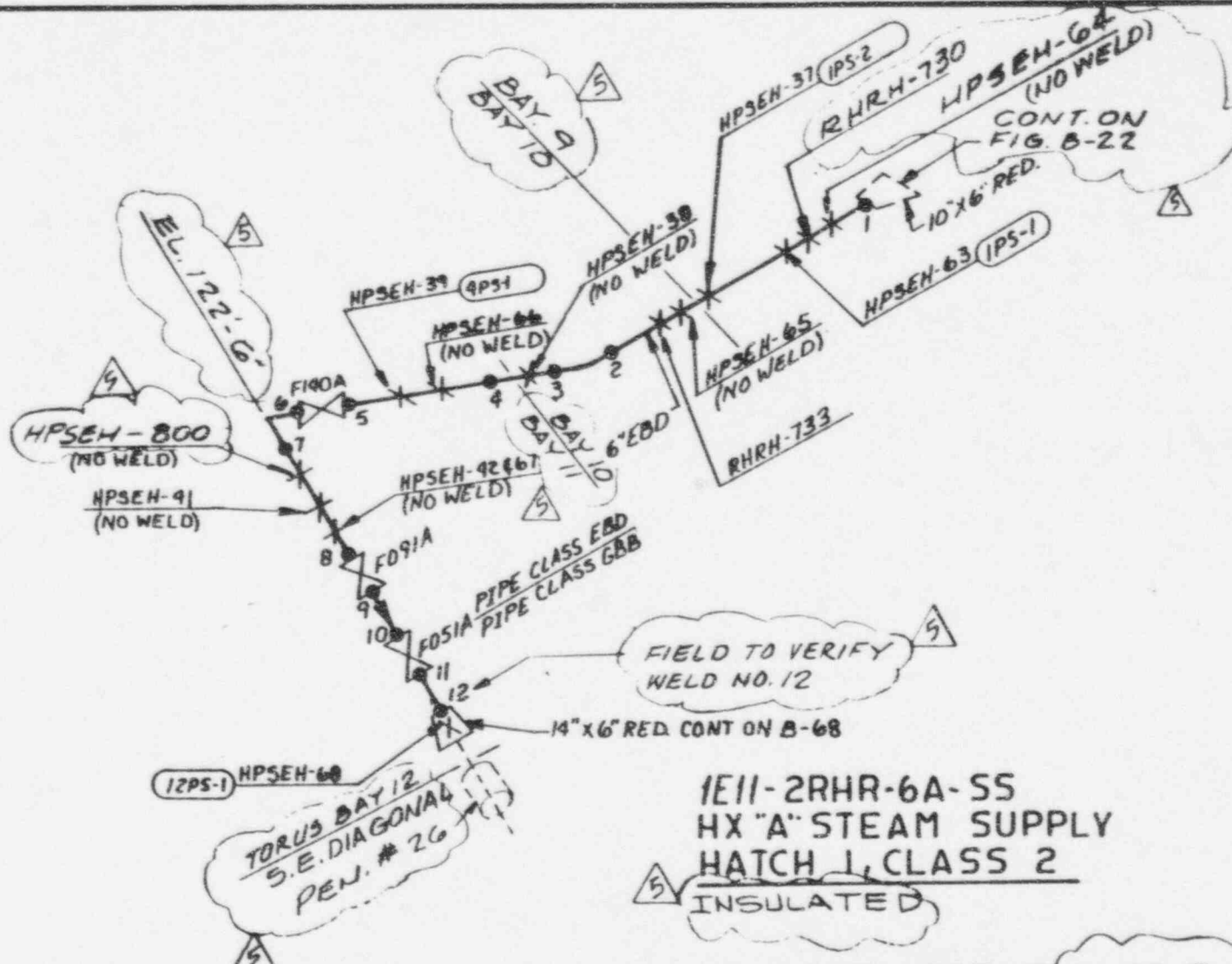
LOCATION: TORUS (BAY 9)

NOTE: ALL DEVICE NUMBERS
 PRECEDED BY IE11

REF. ISO. H-16837 REV. 1

FIGURE B-66

3	6-18-91	WGS	WLS	WRC
2	7-29-87	SET	WLS	CWD
4	3-16-96	WGS	W17	WRC
REV	DATE	BY	CHK'D	APPR. 1



1E11-2RHR-6A-55
 HX "A" STEAM SUPPLY
 HATCH 1, CLASS 2
 INSULATED

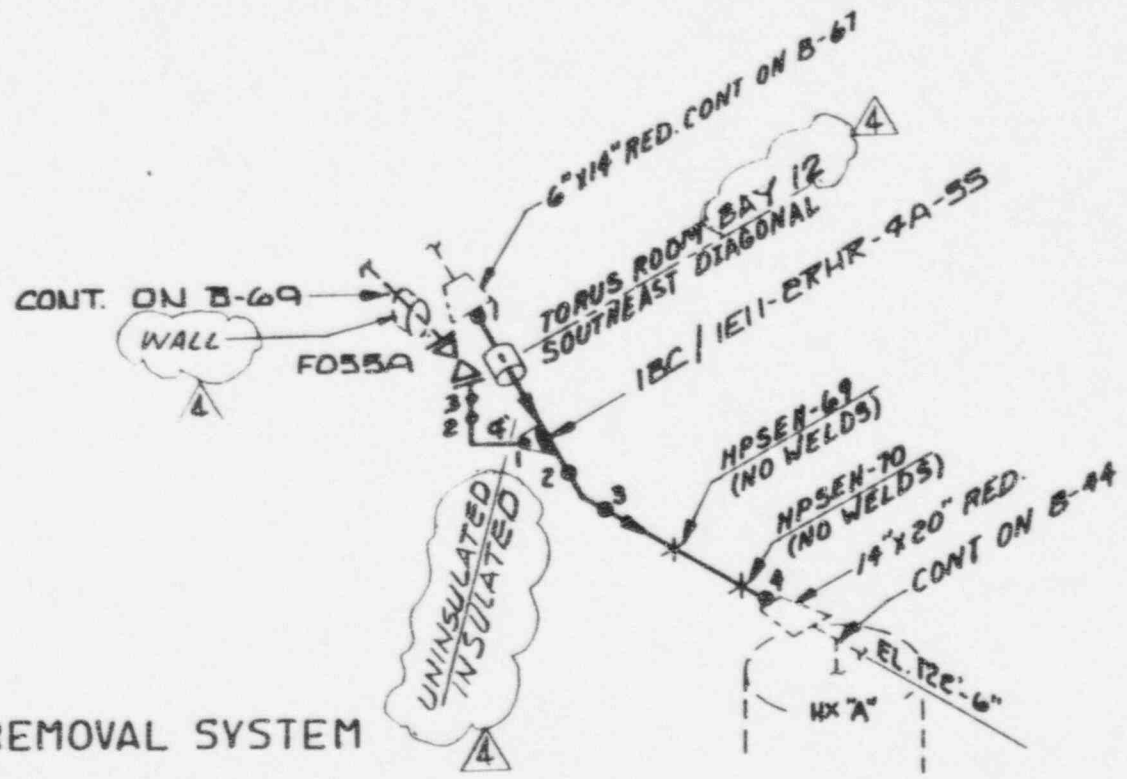
LOCATION: TORUS BAYS 9-12
 NOTE: ALL DEVICE NUMBERS

PRECEDED BY E11 (RHRH) OR
 E41 (HPSEH)

FIGURE B-67

REF. ISO'S. H-16880 REV. 1
 H-16865 REV. 2

4	1-31-91	WGS	WGS	WHC
3	7-27-87	SET	WGS	CWD
5	3-16-96	WGS	WGS	WHC
REV	DATE	BY	CHK'D	APPR 1



IE11-2RHR-4A-55
 IE11-2RHR-14A-55
 RESIDUAL HEAT REMOVAL SYSTEM
 HATCH 1, CLASS 2

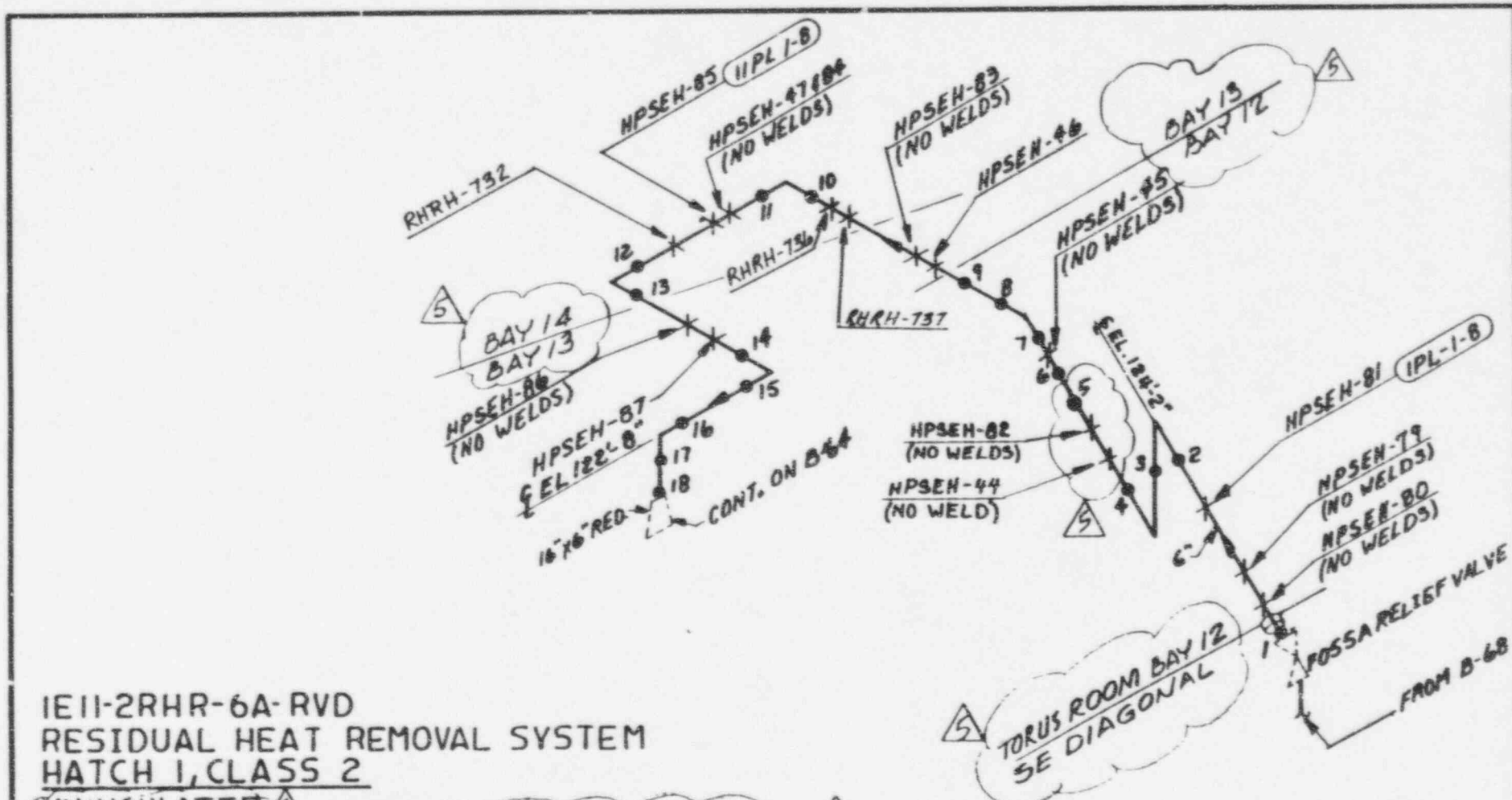
LOCATION: TORUS & SE DIAGONAL
 NOTES: 1. ALL DEVICE NUMBERS
 PRECEDED BY E41

PARTIALLY INSULATED

REF. ISO. H-16840 REV 1

FIGURE B-68

REV	DATE	BY	CHK'D	APPR. 1
3	1-31-91	WGS	WJF	WHC
2	7-13-87	WST	WS	WHC
4	3-16-91	WGS	WS	WHC



IE11-2RHR-6A-RVD
RESIDUAL HEAT REMOVAL SYSTEM
HATCH 1, CLASS 2

UNINSULATED

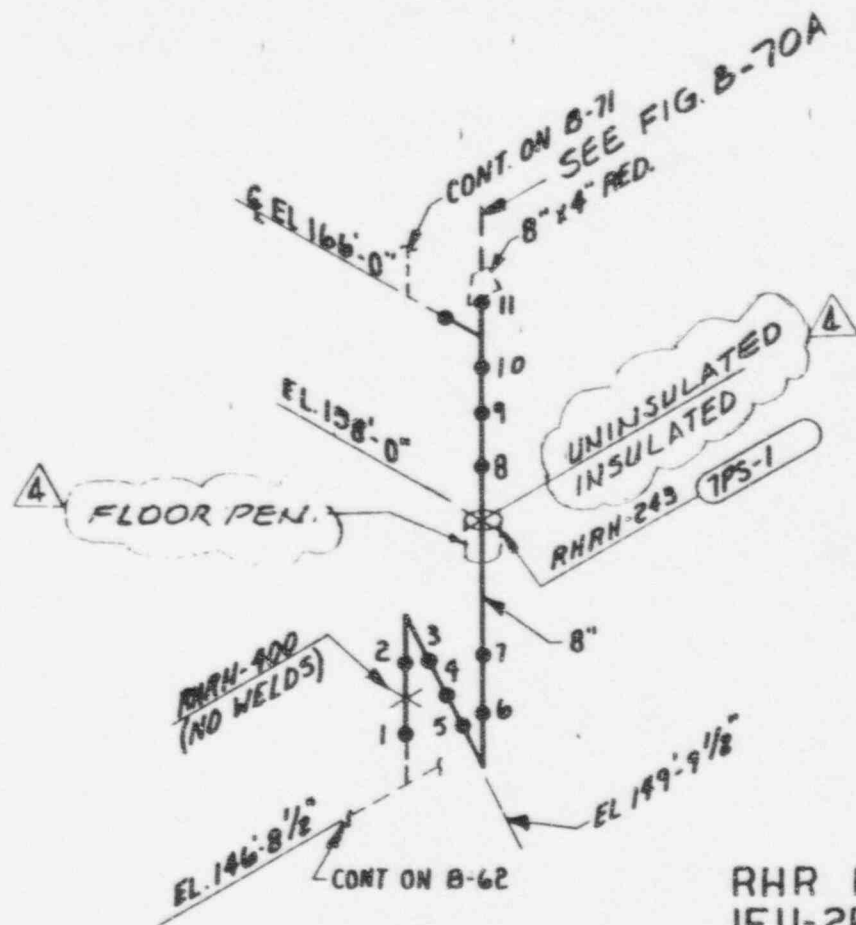
LOCATION: TORUS BAYS 12 THRU 14 & SE DIA.

NOTE: ALL DEVICE NUMBERS
PRECEDED BY E11 (RHR) OR E41 (HPSEH)

REF. ISO. H-16840 REV. 1

FIGURE B-69

4	1-31-91	WGS	WS	WHL
2	7-29-87	SET	WS	WHL
5	9-16-92	WGS	WS	WHL
REV	DATE	CHK'D	APP'R	



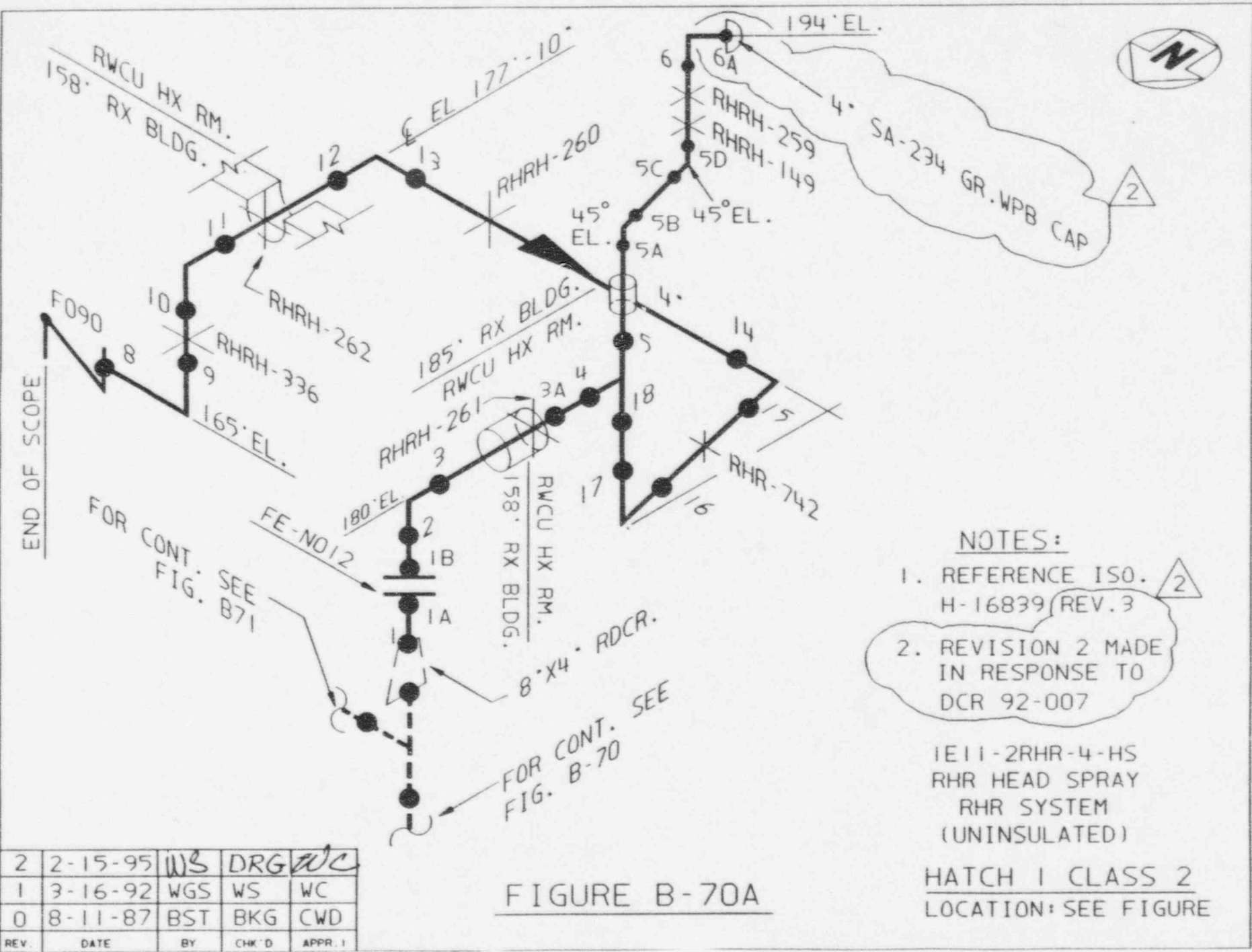
RHR HEAD SPRAY
 IE11-2RHR-8-H5
 RESIDUAL HEAT REMOVAL SYSTEM
 HATCH 1, CLASS 2

PARTIALLY INSULATED
 LOCATION EL. 130 & 158 RX BLDG.
 REF. ISO. H-16834 REV. 1

FIGURE B-70

3	1-31-91	WGS	WS	WHC
3	7-30-87	SET	WS	(W/D)
4	3-16-91	WGS	WS	WHC
REV	DATE	BY	CHK'D	A.P.: 1

4



NOTES:

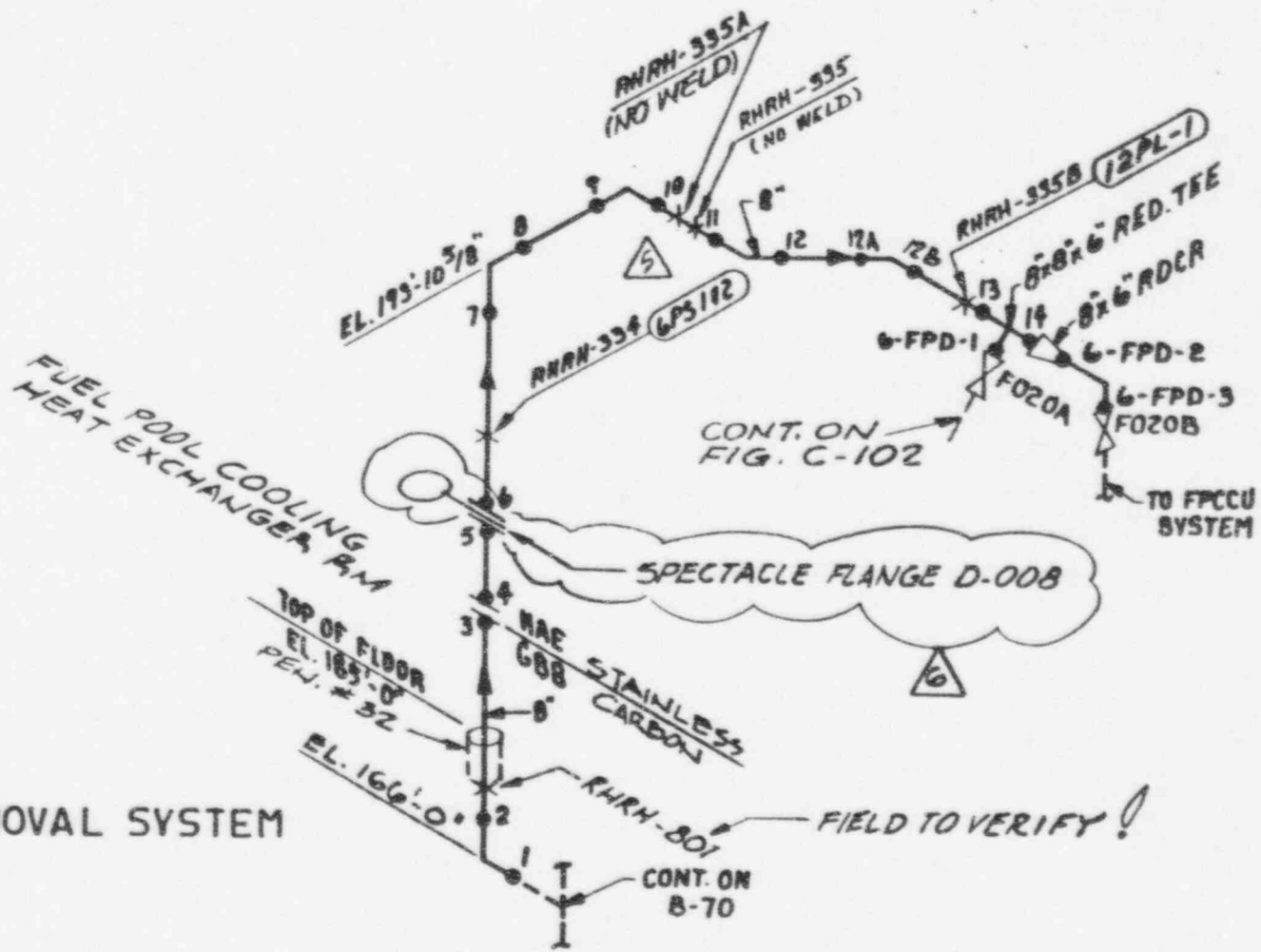
1. REFERENCE ISO. H-16839 (REV. 3) △ 2
2. REVISION 2 MADE IN RESPONSE TO DCR 92-007

1E11-2RHR-4-HS
 RHR HEAD SPRAY
 RHR SYSTEM
 (UNINSULATED)

HATCH 1 CLASS 2
 LOCATION: SEE FIGURE

FIGURE B-70A

2	2-15-95	WS	DRG	WC
1	3-16-92	WGS	WS	WC
0	8-11-87	BST	BKG	CWD
REV.	DATE	BY	CHK'D	APPR. 1

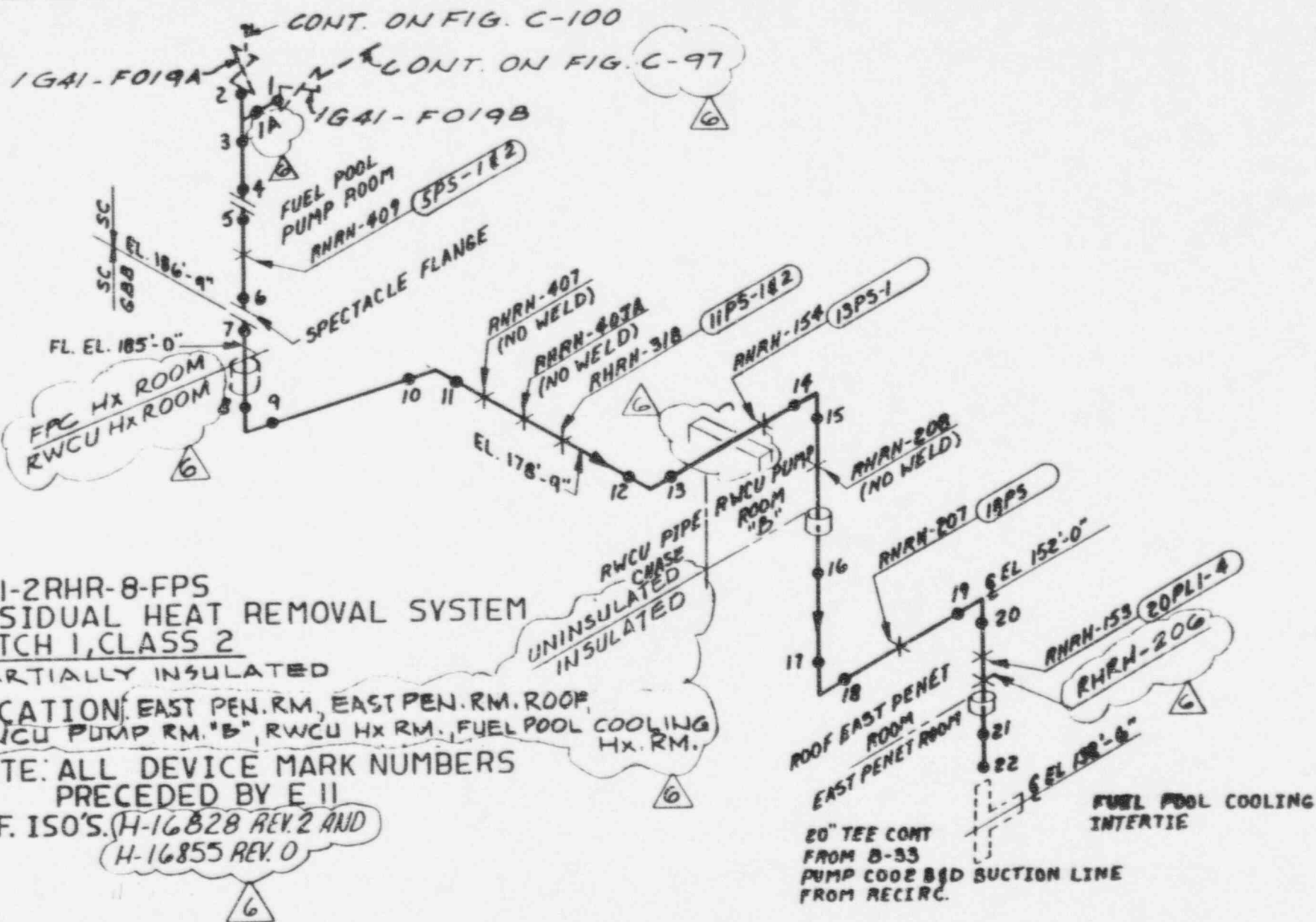


IEII-2RHR-6-FPD
 IEII-2RHR-8-FPD
 RESIDUAL HEAT REMOVAL SYSTEM
 HATCH 1, CLASS 2
 UNINSULATED

LOCATION: FUEL POOL COOLING HX AND EL. 158' Rx BLDG.
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY EII

REF. ISO. H-16839 REV. 2
 FIGURE B-71

4	1-31-91	WGS	WS	WHC
6	2-15-92	WS	CK	W.C.
5	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1



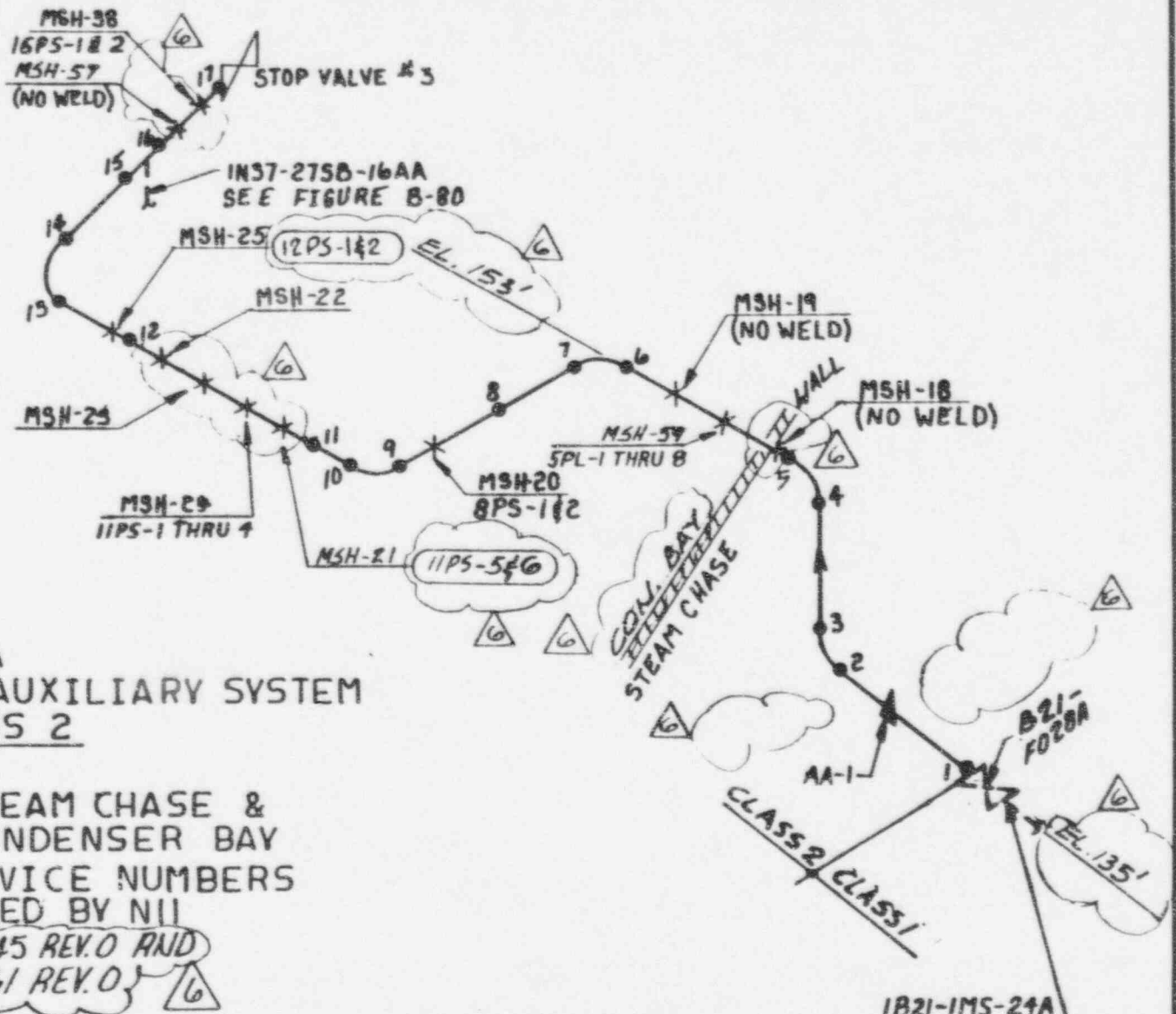
IE11-2RHR-8-FPS
RESIDUAL HEAT REMOVAL SYSTEM
HATCH 1, CLASS 2
PARTIALLY INSULATED

LOCATION: EAST PEN. RM., EAST PEN. RM. ROOF,
RWCU PUMP RM. "B", RWCU HX RM., FUEL POOL COOLING
HX. RM.

NOTE: ALL DEVICE MARK NUMBERS
PRECEDED BY E II
REF. ISO'S. (H-16828 REV. 2 AND
H-16855 REV. 0)

FIGURE B-72

4	9-20-88	WS	RLD	WHT
5	2-16-92	WGS	WS	WHT
6	1-31-91	WGS	WS	WHT
REV	DATE	P	CHK'D	APP



INII-2MSA-24A
MAIN STEAM AUXILIARY SYSTEM
HATCH 1, CLASS 2

INSULATED

LOCATION: STEAM CHASE &
CONDENSER BAY

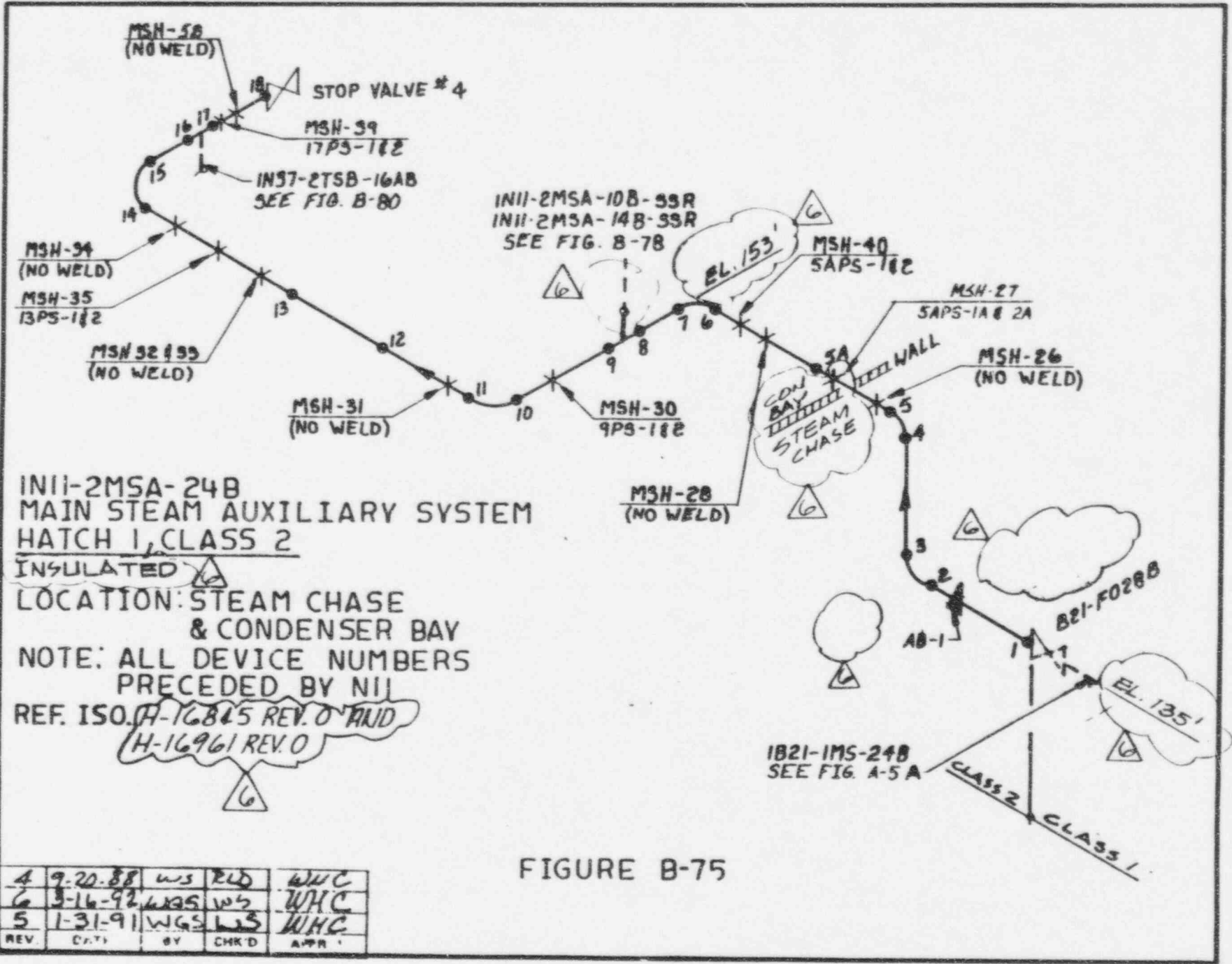
NOTE: ALL DEVICE NUMBERS
PRECEDED BY NII

REF. ISO. H-16845 REV.0 AND
H-16961 REV.0

FIGURE B-74

1B21-IMS-24A
SEE FIG. A-4A

4	9-20-88	WJ	RWD	WHC
6	3-16-92	WGS	WS	WHC
5	1-31-91	WGS	MB	WHC
REV	DATE	BY	CHK'D	APPR 1



IN11-2MSA-24B
MAIN STEAM AUXILIARY SYSTEM
HATCH 1, CLASS 2

INSULATED

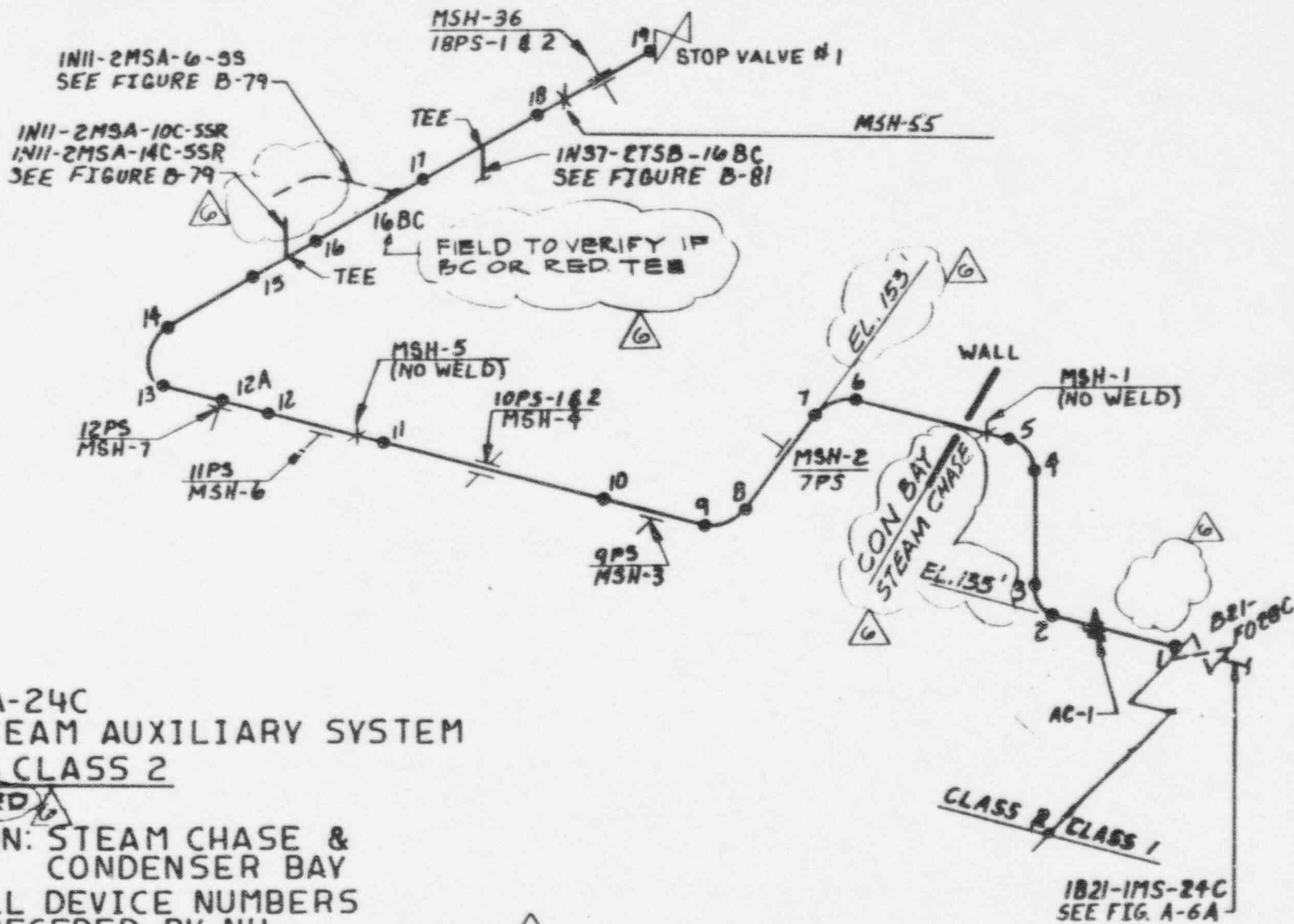
LOCATION: STEAM CHASE
& CONDENSER BAY

NOTE: ALL DEVICE NUMBERS
PRECEDED BY NII

REF. ISO. H-16845 REV. 0 AND
H-16961 REV. 0

FIGURE B-75

4	9-20-88	WJS	RLD	WJC
6	3-16-92	WJS	WJS	WJC
5	1-31-91	WJS	WJS	WJC
REV	DATE	BY	CHKD	APP



INII-2MSA-24C
MAIN STEAM AUXILIARY SYSTEM
HATCH 1, CLASS 2

INSULATED

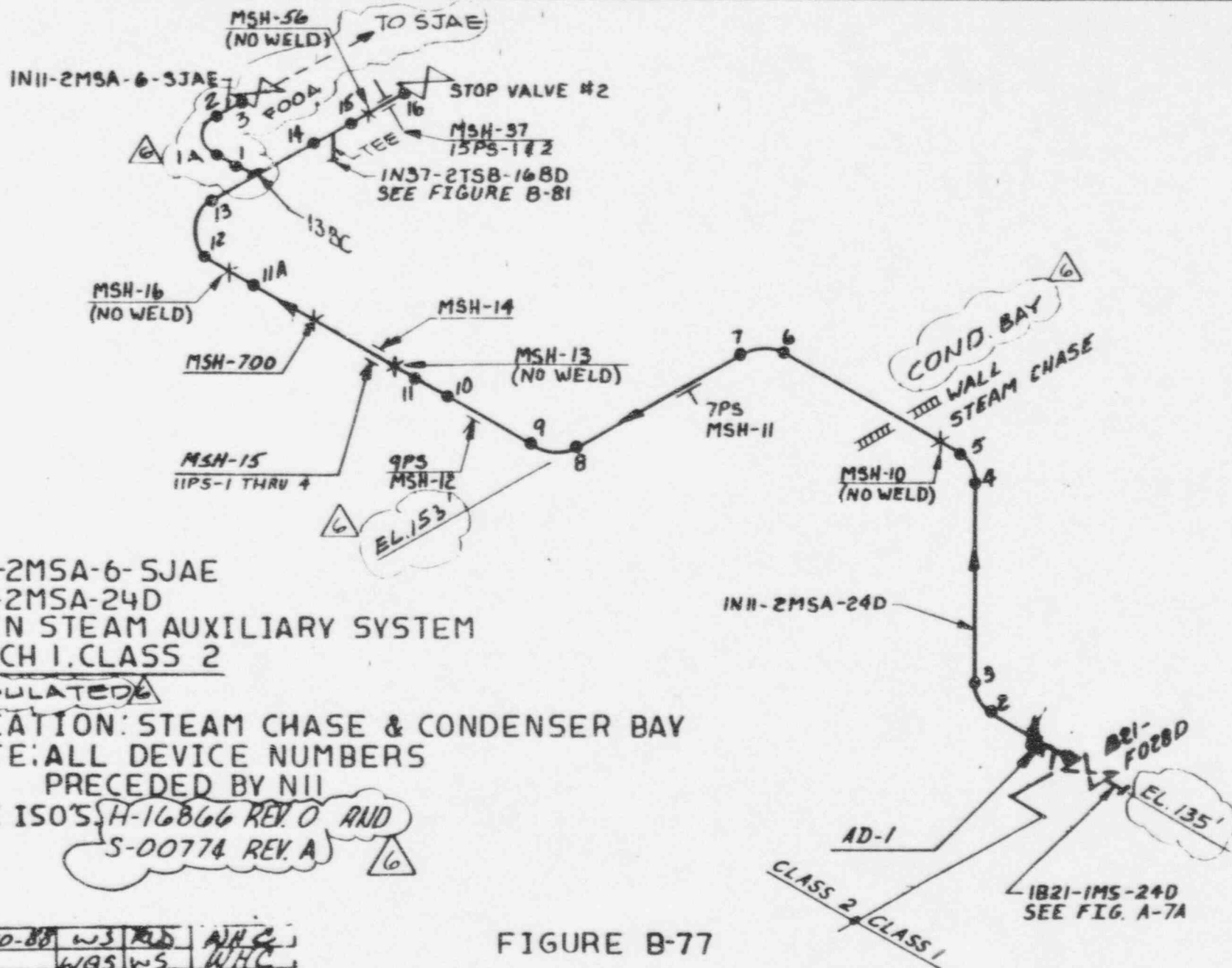
LOCATION: STEAM CHASE &
CONDENSER BAY

NOTE: ALL DEVICE NUMBERS
PRECEDED BY NII

REF. ISO. H-16866 REV. 0 AND H-16983 REV. 0

FIGURE B-76

REV	DATE	BY	CHK'D	APPR 1
4	9-22-88	WS	RLB	WJC
6	3-16-98	WGS	WS	WJC
5	6/19/91	WGS	WS	WJC



INII-2MSA-6-SJAE
 INII-2MSA-24D
 MAIN STEAM AUXILIARY SYSTEM
 HATCH 1, CLASS 2

INSULATED

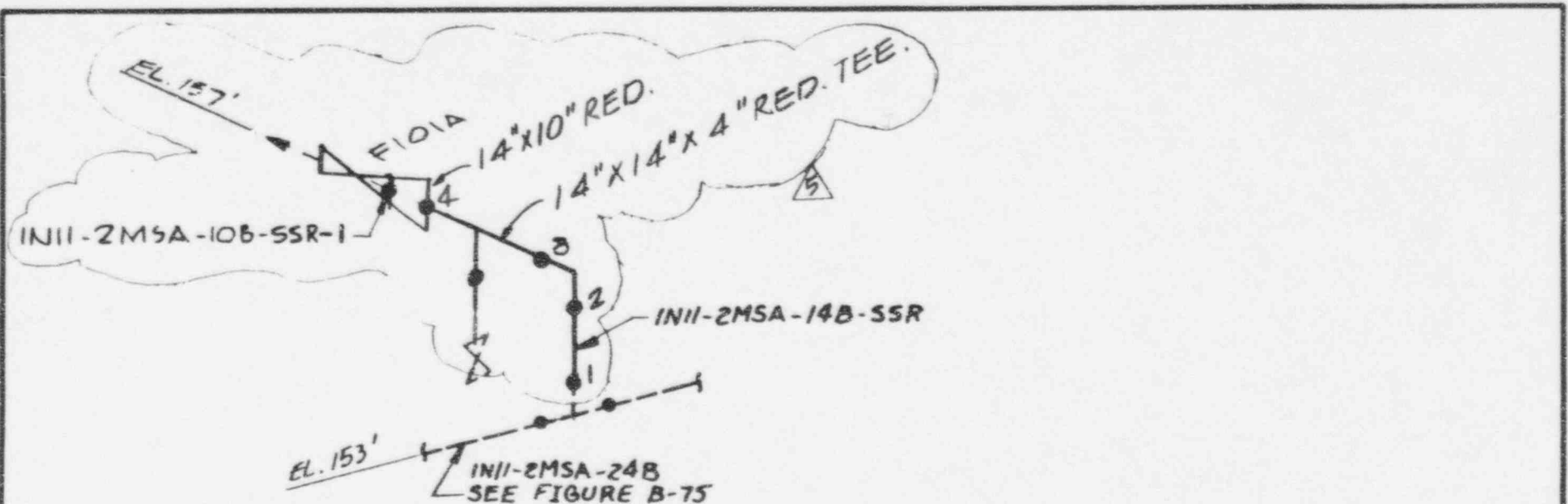
LOCATION: STEAM CHASE & CONDENSER BAY

NOTE: ALL DEVICE NUMBERS
 PRECEDED BY NII

REF. ISO'S H-16866 REV. 0 AND
 S-00774 REV. A

FIGURE B-77

4	9-20-88	WS	WS	WHC
6		WAS	WS	WHC
5	1-31-91	WAS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1



INII-2MSA-10B-SSR
 INII-2MSA-14B-SSR
 MAIN STEAM AUXILIARY SYSTEM
 HATCH 1, CLASS 2

INSULATED
 LOCATION: CONDENSER BAY
 REF. ISO. 4-16845 REV. 0

4	6-20-91	WGS	WGS	WHC
3	8-3-87	SET	WGS	GWJ
5	5-16-92	WGS	WGS	WHC
REV	DATE	BY	CHK'D	APPR 1

FIGURE B-78

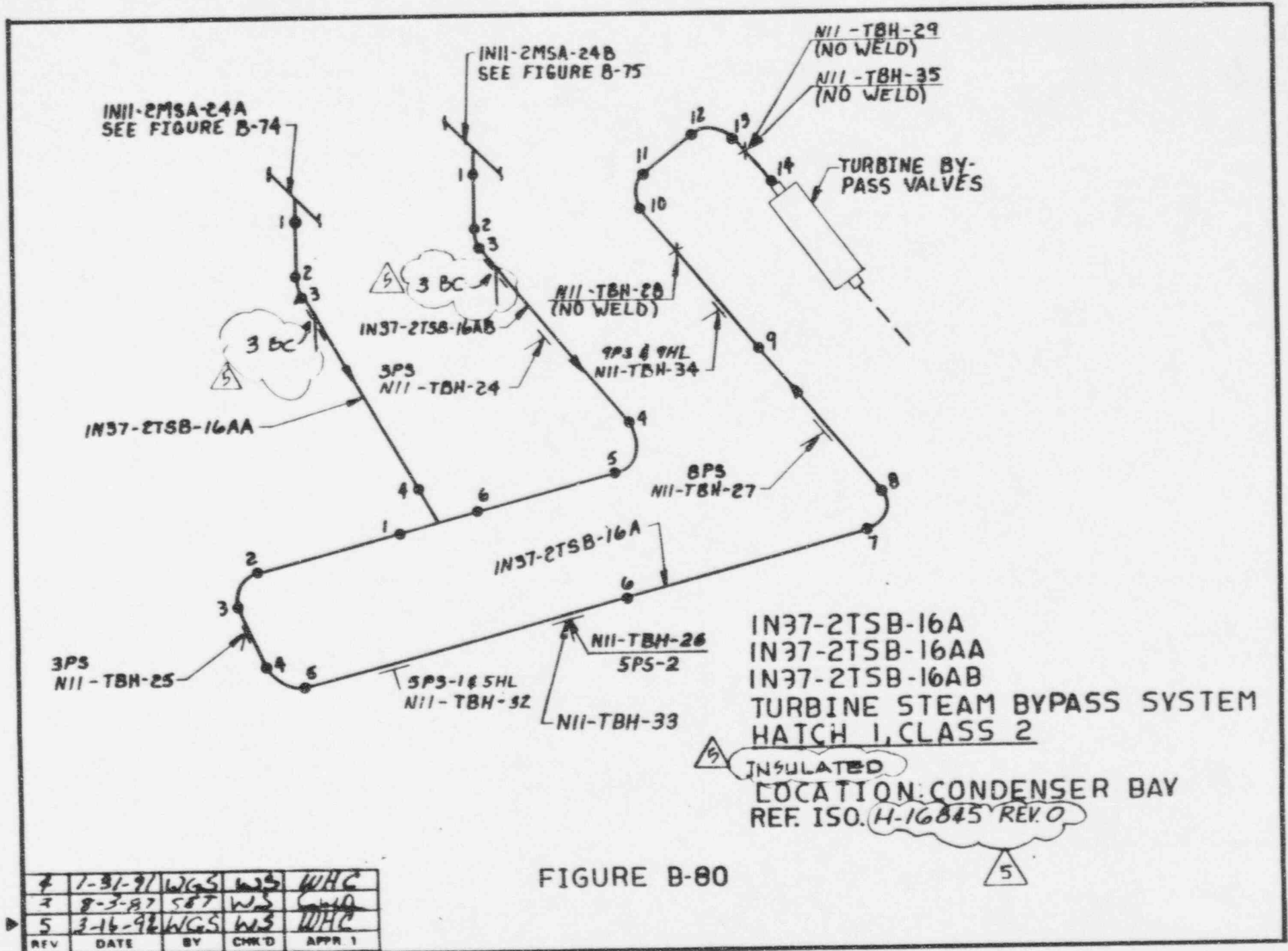


FIGURE B-80

4	1-31-91	WGS	WJS	WHC
3	8-3-87	SBT	WJS	WHC
5	3-16-98	WGS	WJS	WHC
REV	DATE	BY	CHK'D	APPR 1

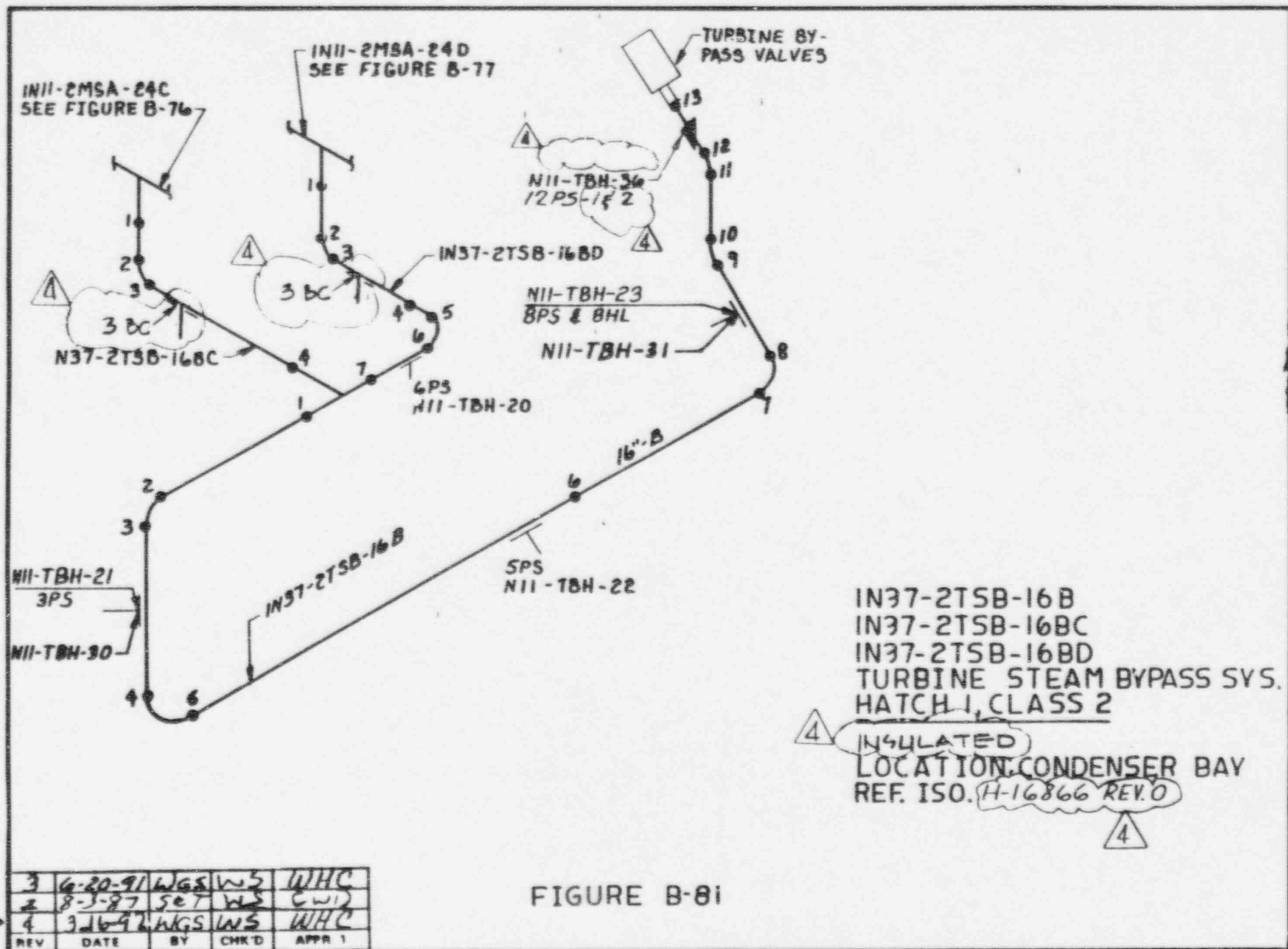
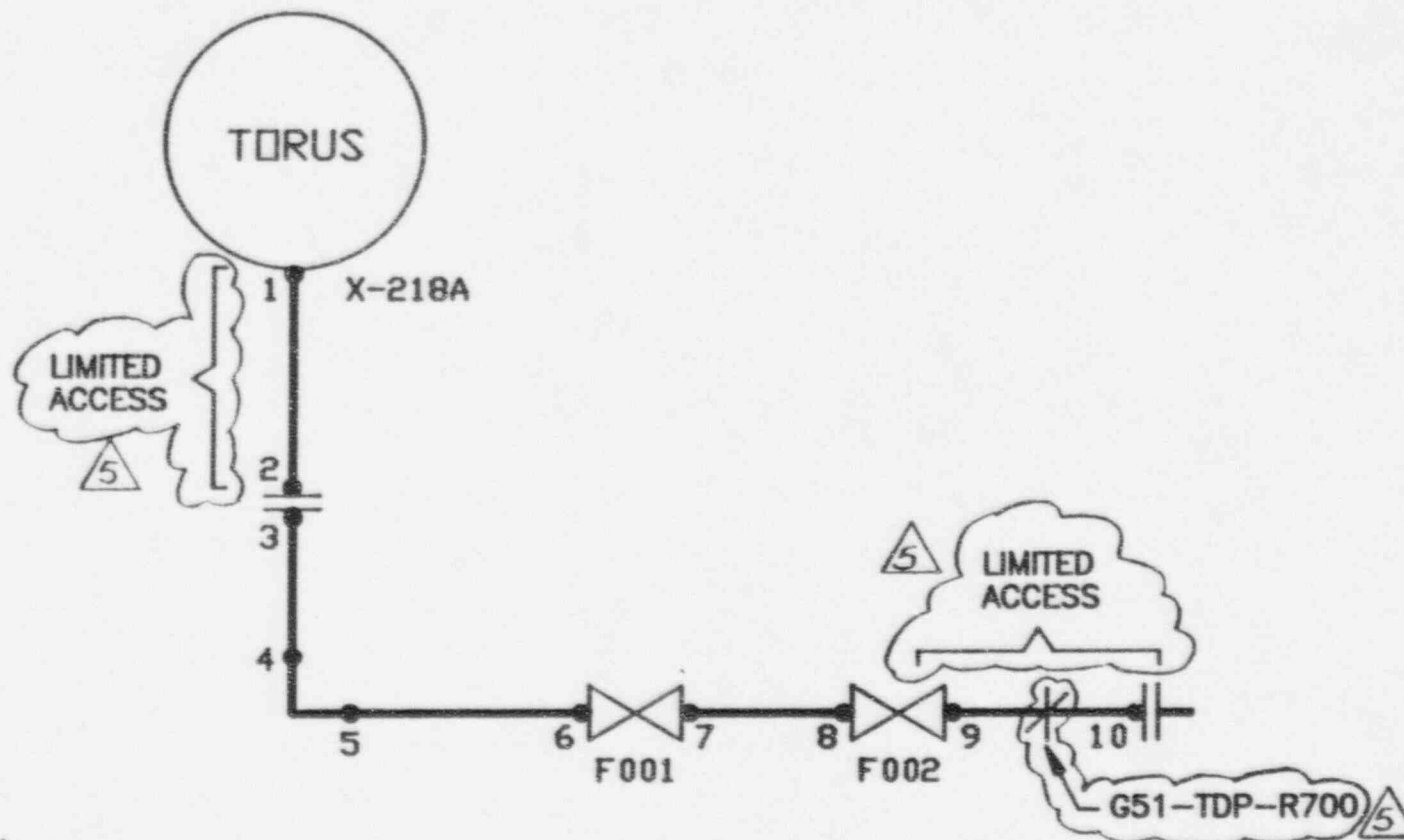


FIGURE B-81



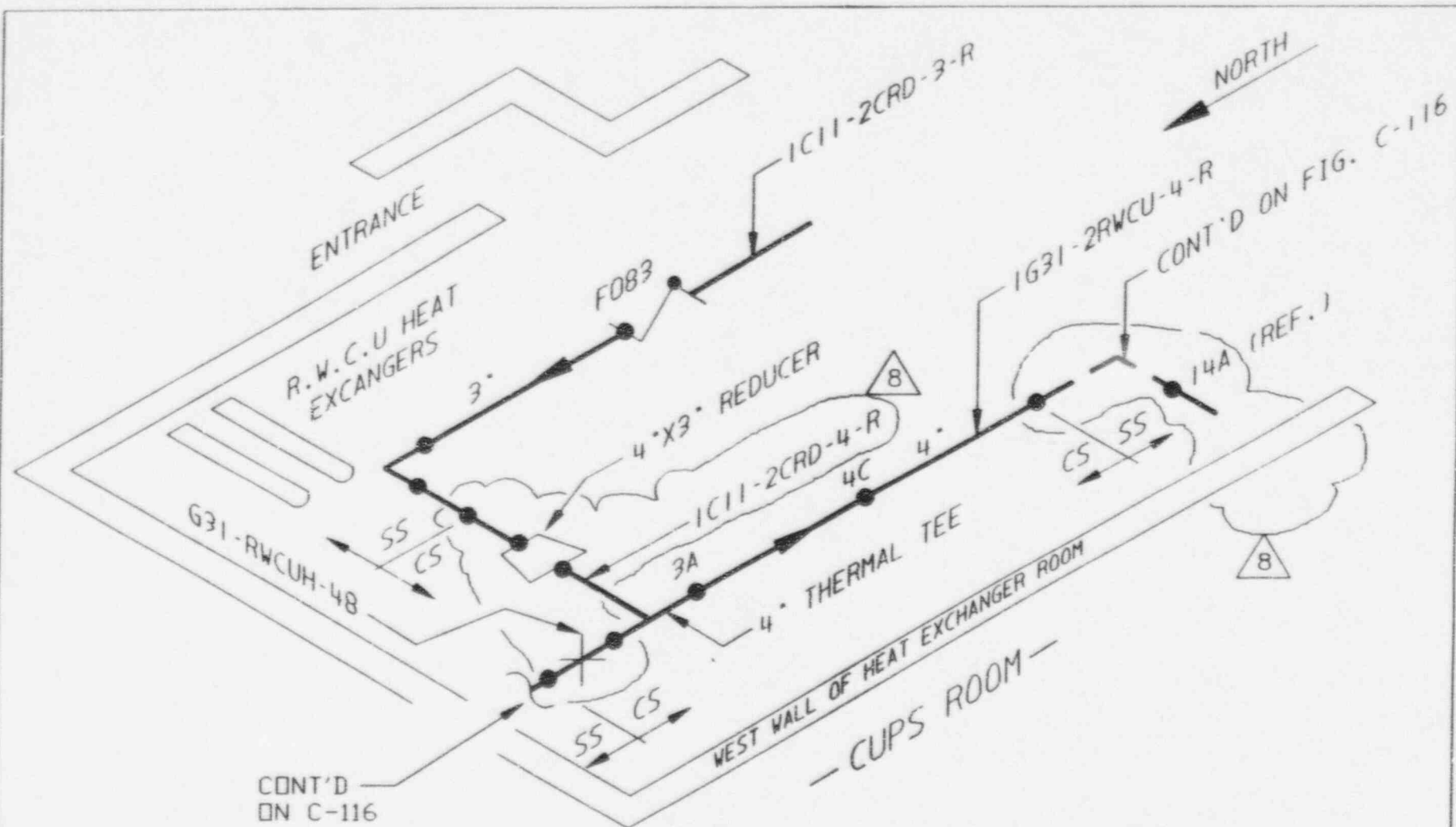
WALKED DOWN IN 1991. 5

1G51-2TDP-8-D
 TORUS DRAINAGE AND
 PURIFICATION SYSTEM
 HATCH 1 - CLASS 2
 LOCATION: TORUS AT 87' LEVEL
5 BAY 15 (UNINSULATED)

FIGURE B-82

REF. PLAN DWG. H-16137 5

REV.	DATE	BY	CHK'D	APPR. 1
3	9-20-88	WS	RLD	WHC
5	3-16-92	WGS	WS	WHC
4	6-20-91	WGS	WS	WHC



(INSULATED)

LOCATION: RWCU HEAT EXCHANGER ROOM AT EL. 158'-0".

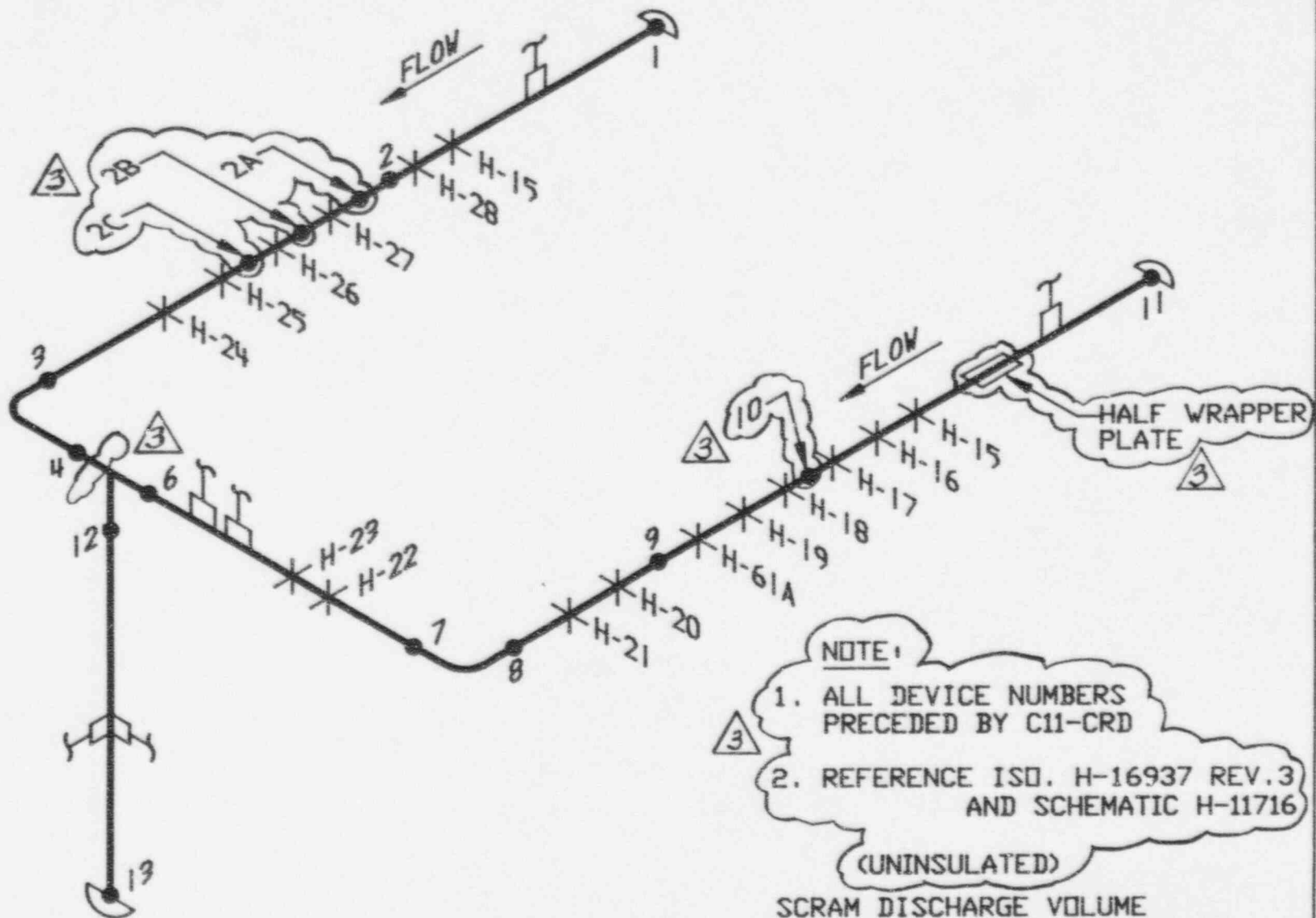
REFERENCE ISOMETRIC H-16889 (REV. 1)



1G31-2RWCU-4-R
HATCH 1, CLASS 2
CRD-RWCU CONN.

FIGURE B-83

8	1-10-95	WS	WSP	WHC
7	3-16-92	WGS	WS	WHC
6	6-10-91	WGS	WS	WHC
REV.	DATE	BY	CHK'D	APPR. 1



NOTE:

1. ALL DEVICE NUMBERS PRECEDED BY C11-CRD
2. REFERENCE ISD. H-16937 REV.3 AND SCHEMATIC H-11716

(UNINSULATED)

SCRAM DISCHARGE VOLUME CONTROL ROD DRIVE SYSTEM
 1C11-2CRD-8N-SDV
 HATCH 1 CLASS2

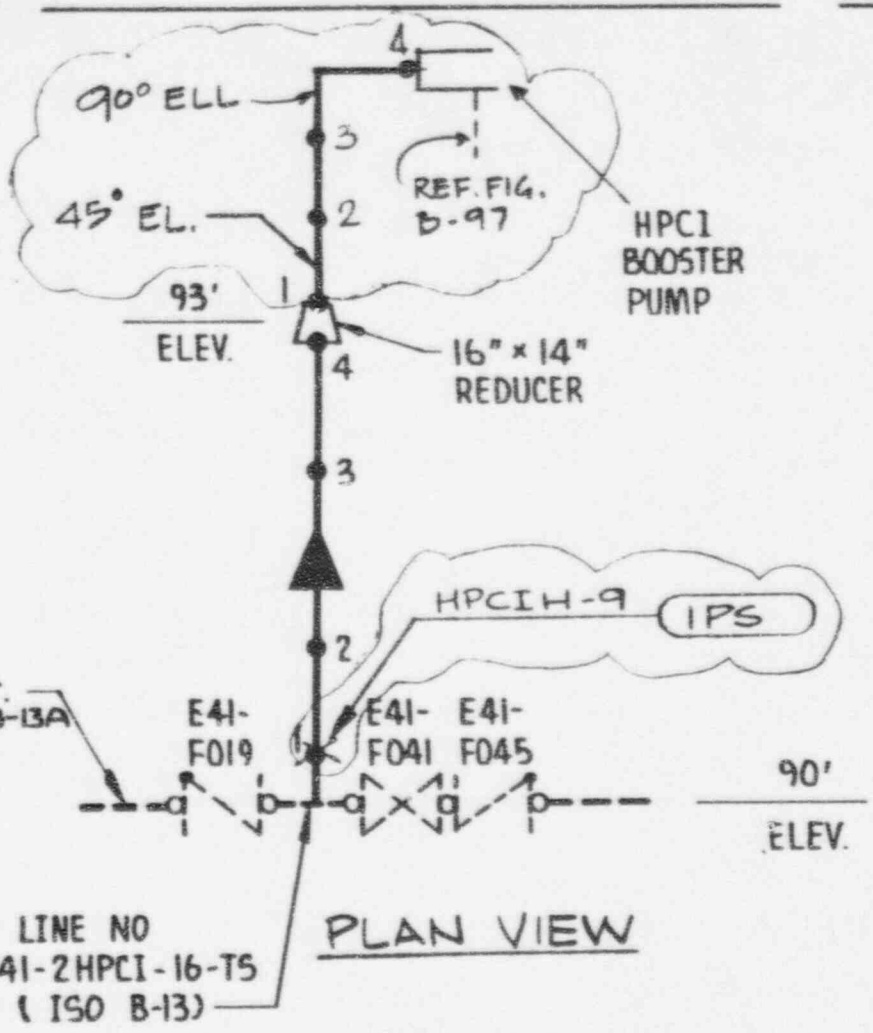
LOCATION: 130' RX BLDG. NORTHSIDE

FIGURE B-84

3	3-16-92	GS	WS	WC
2	8-3-87	SET	WS	CWD
1	6-25-87	GK	WS	MB
REV.	DATE	BY	CHK'D	APPR.1

THIS FIGURE HAS BEEN VOIDED

FIGURE B-86



LINE NO
IE41-2HPCI-16-TS
(ISO B-13)

PLAN VIEW

IE41-2HPCI-14-PS
IE41-2HPCI-16-PS
HATCH 1, CLASS 2

LOCATION: HPCI ROOM

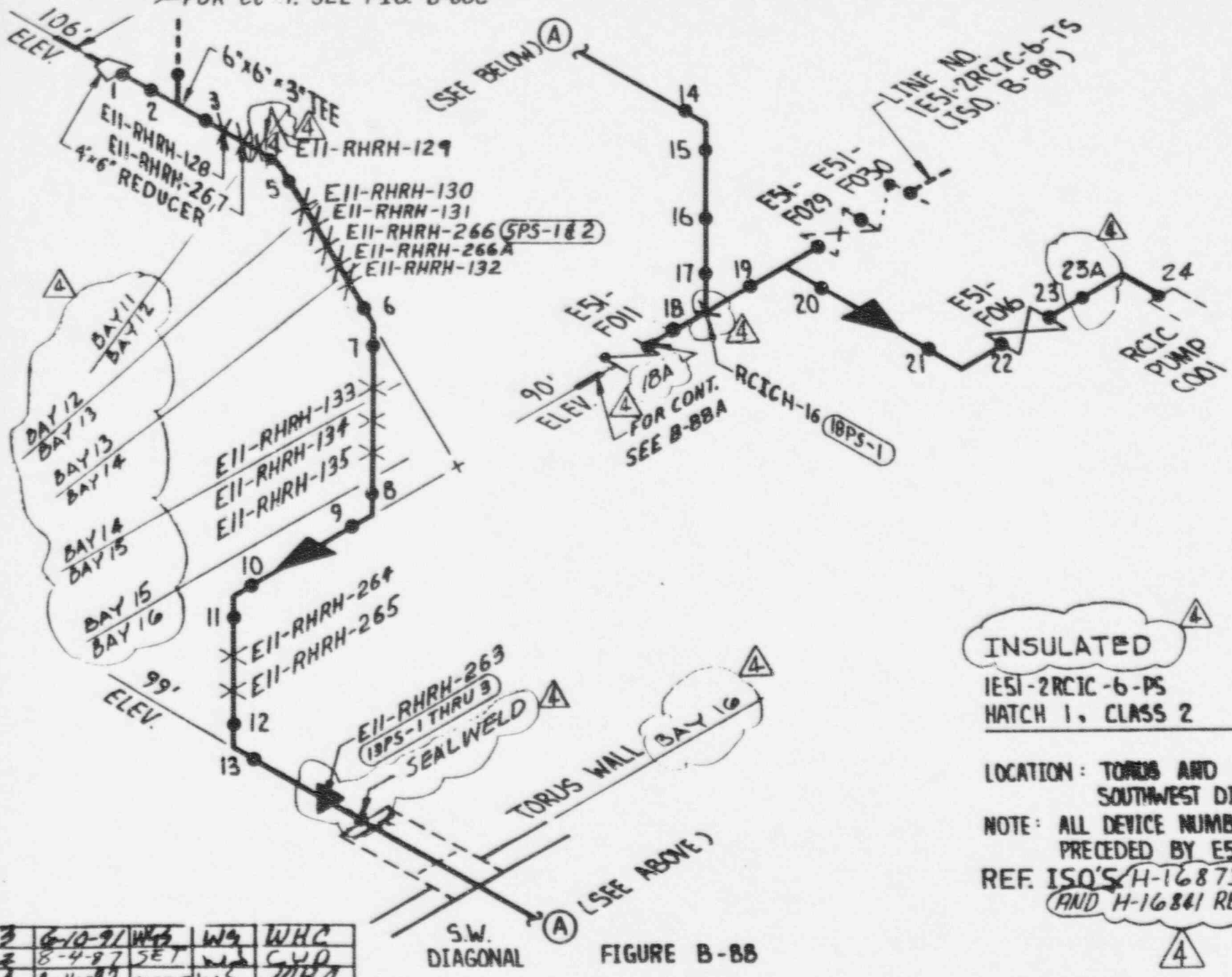
NOTE: ALL DEVICE NUMBERS
PRECEDED BY E41-HPCI.
REF. ISO. H-16868 REV.1

4

FIGURE B-BT

3	6-20-91	WGS	WS	WHC
2	8-2-87	BST	WS	CMD
4	3-16-92	WGS	WS	WHC
REV	DATE	BY	CHK'D	APPR 1

FOR CONT. SEE FIG. B-88C



INSULATED
 IESI-2RCIC-6-PS
 HATCH 1, CLASS 2

LOCATION: TORUS AND
 SOUTHWEST DIAGONAL
 NOTE: ALL DEVICE NUMBERS
 PRECEDED BY ESI(C.U.N.O.)
 REF. ISO'S H-16873 REV.1
 AND H-16841 REV.0

3	6-10-91	WHS	W9	WHC
2	8-4-87	SET	W9	CVD
4	9-16-92	WAS	WS	WHC
REV.	DATE	BY	CHK'D	APPR 1

FIGURE B-88

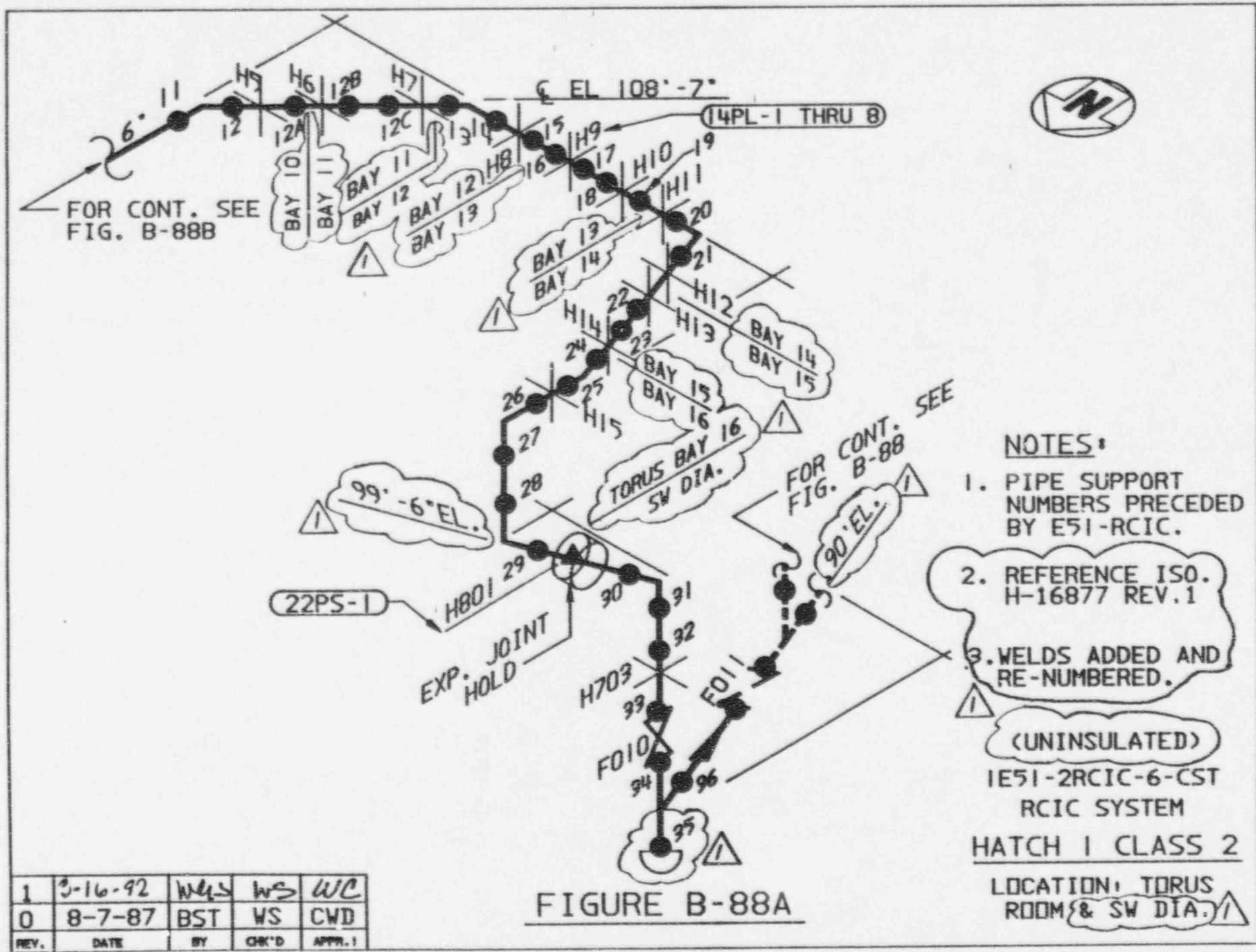
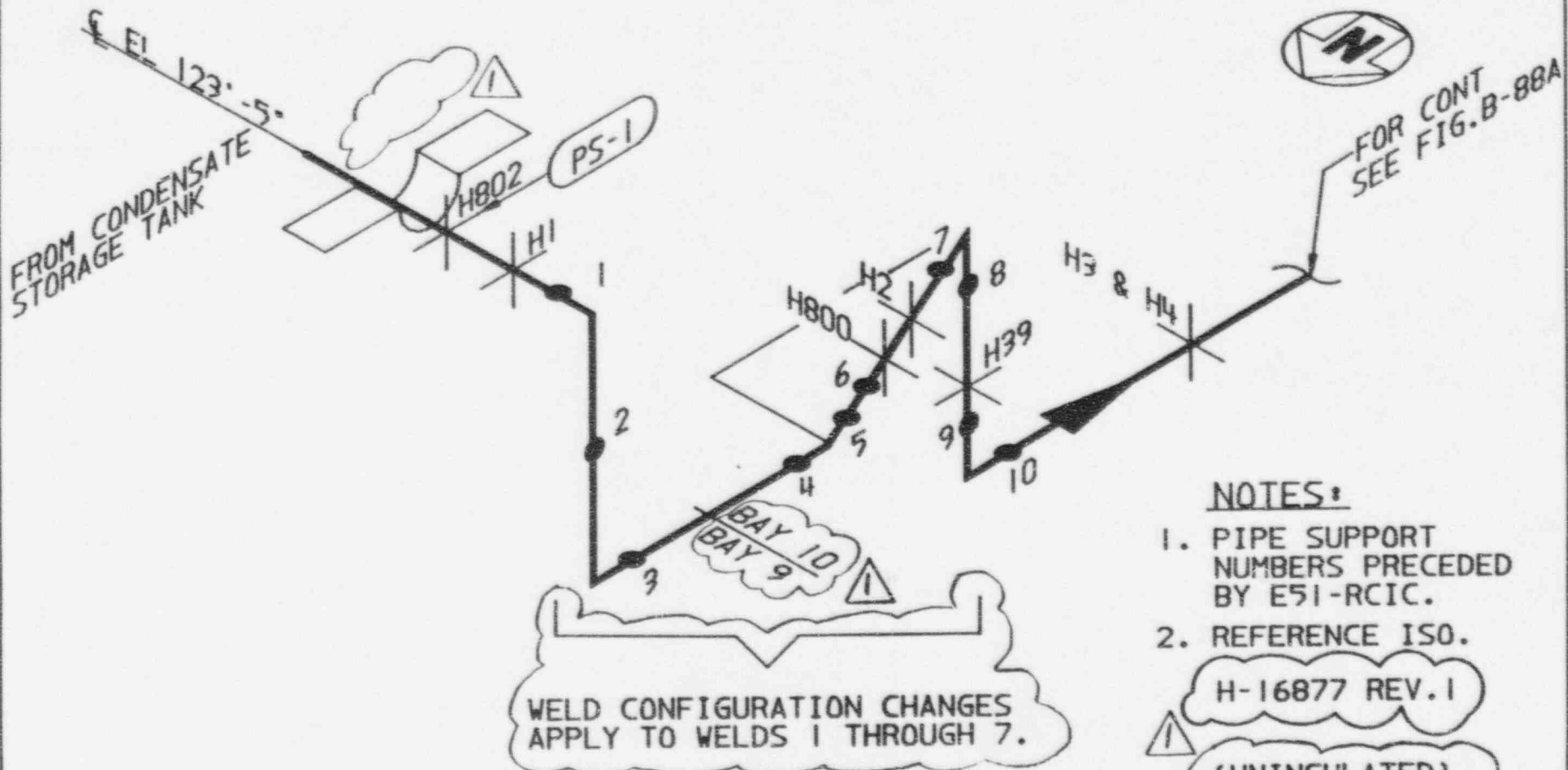


FIGURE B-88A



FOR CONT
SEE FIG. B-88A

NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY E51-RCIC.
2. REFERENCE ISO.

H-16877 REV. 1

(UNINSULATED)

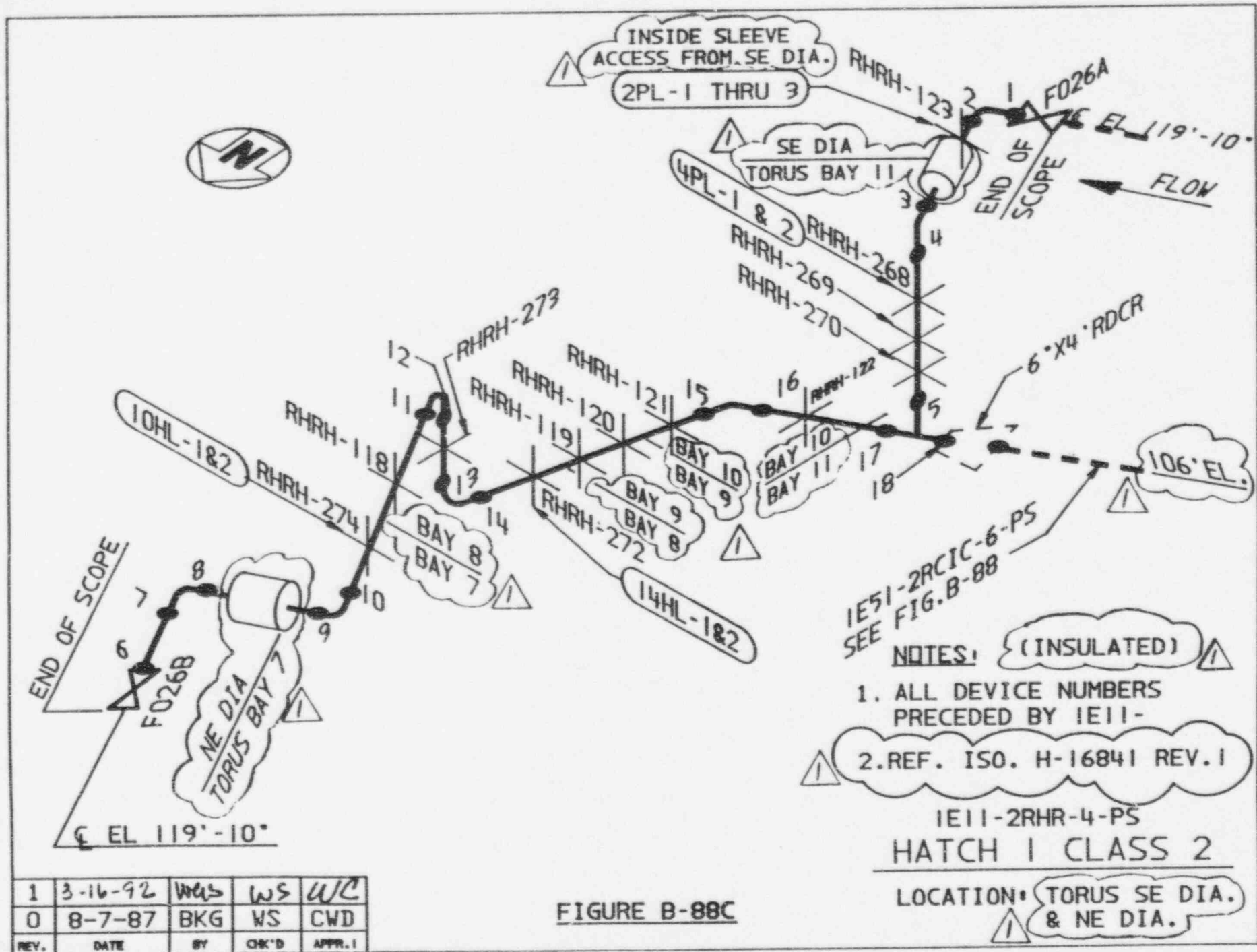
IE51-2RCIC-6-CST
RCIC SYSTEM

HATCH 1 CLASS 2
LOCATION: TORUS ROOM

WELD CONFIGURATION CHANGES
APPLY TO WELDS 1 THROUGH 7.

FIGURE B-88B

1	3-16-92	WGS	WS	WC
0	8-7-87	BST	WS	CWD
REV.	DATE	BY	CHK'D	APPR. 1



INSIDE SLEEVE
ACCESS FROM SE DIA.
2PL-1 THRU 3

SE DIA
TORUS BAY 11
4PL-1 & 2



END OF SCOPE
FLOW

6" X 4" RDCR

106' EL.

IE51-2RCIC-6-PS
SEE FIG. B-88

NOTES: (INSULATED)

1. ALL DEVICE NUMBERS
PRECEDED BY IE11-

2. REF. ISO. H-16841 REV. 1

IE11-2RHR-4-PS
HATCH 1 CLASS 2

LOCATION: TORUS SE DIA.
& NE DIA.

END OF SCOPE

10HL-1&2

NE DIA
TORUS BAY 7

EL 119'-10"

FIGURE B-88C

REV.	DATE	BY	CHK'D	APPR. 1
1	3-16-92	WAS	WS	WC
0	8-7-87	BKG	WS	CWD

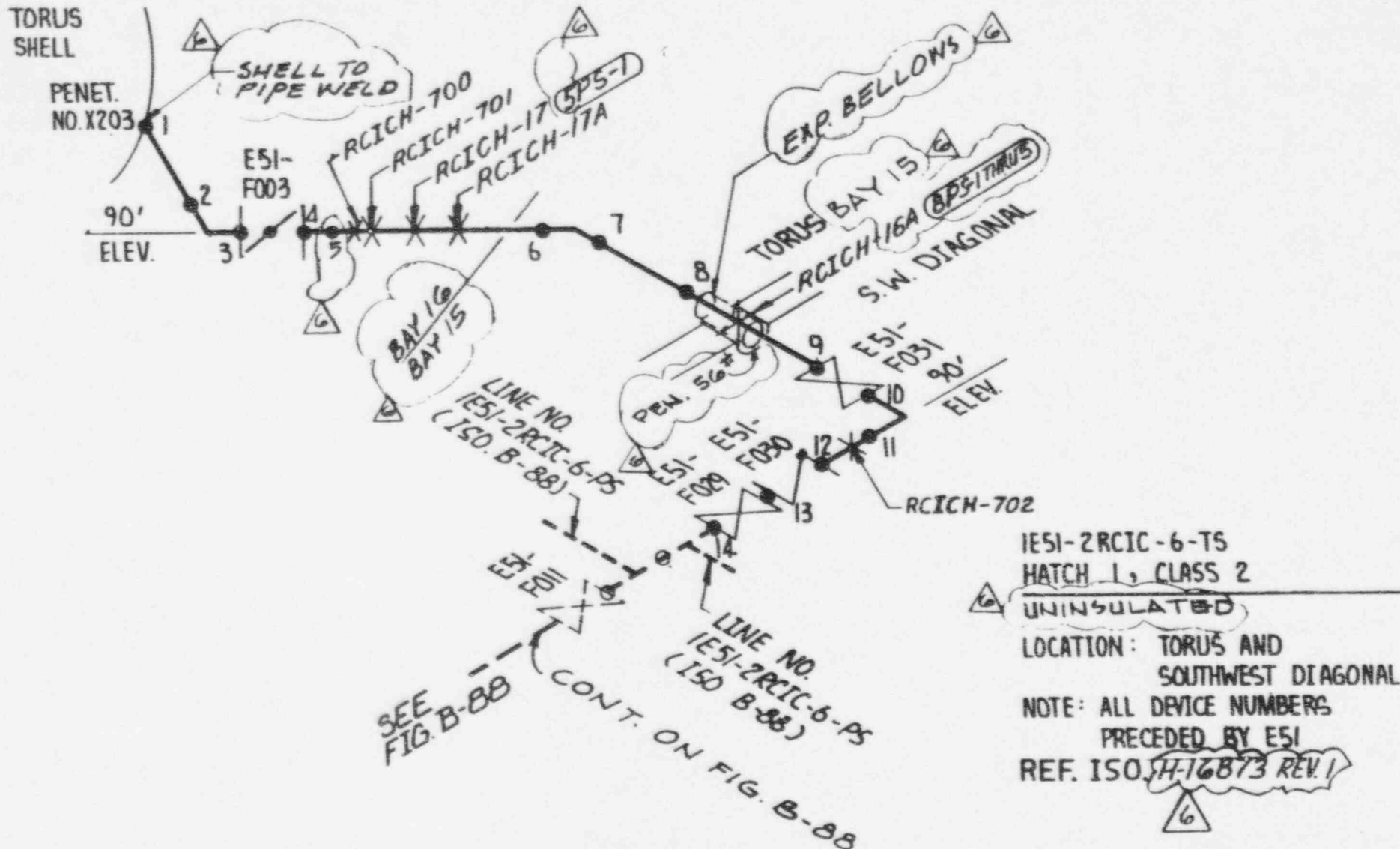


FIGURE B-89

4	8/25/89	BST	BAS	RLD
3	9-20-88	WS	RLD	WHC
6	3-16-92	WGS	WS	WHC
5	1-31-91	WGS	WS	WHC
REV.	DATE	BY	CHK'D	APPR. 1

THIS FIGURE HAS BEEN VOIDED

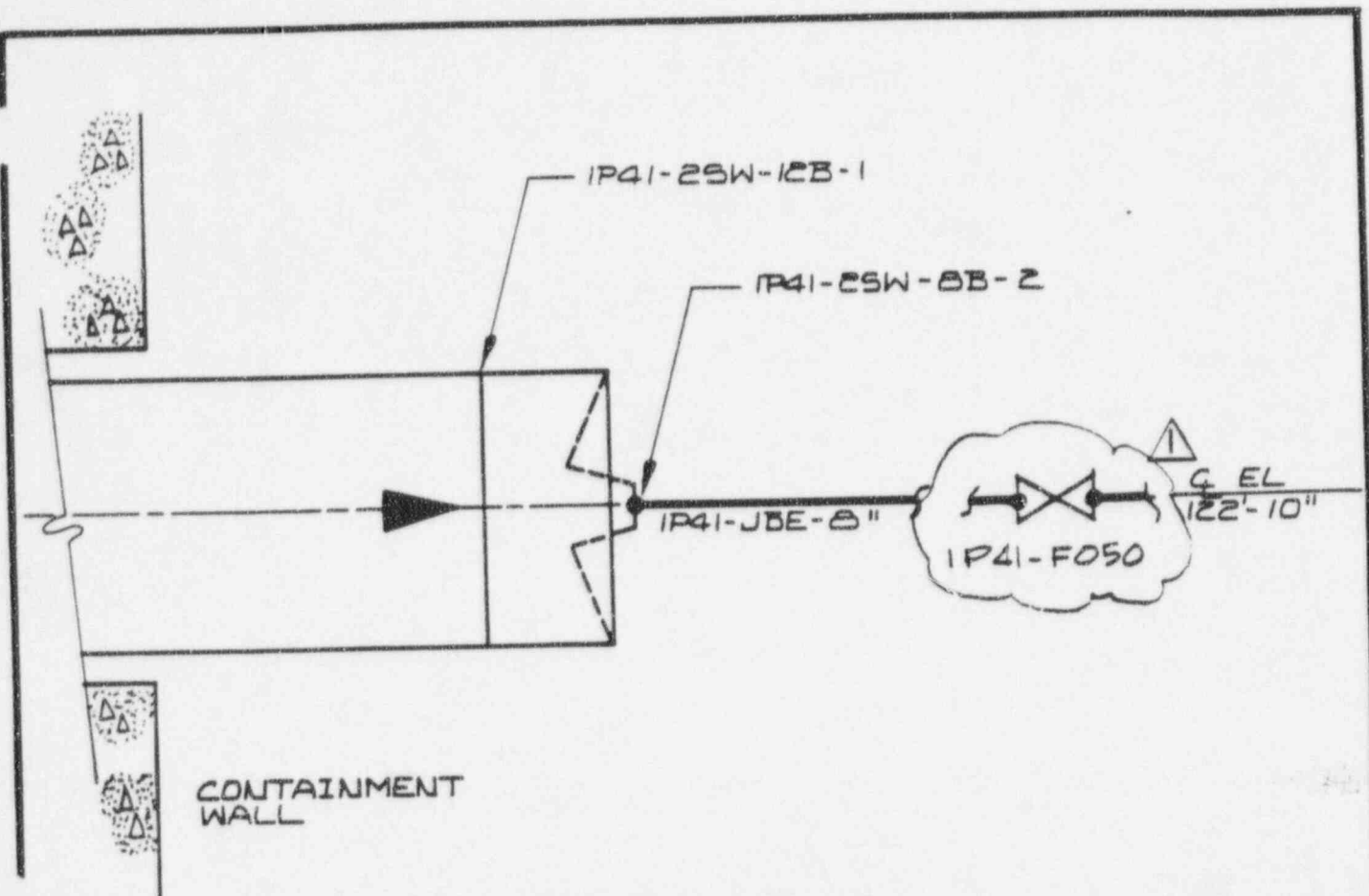
FIGURE B-90

THIS FIGURE HAS BEEN VOIDED

FIGURE B-91

THIS FIGURE HAS BEEN VOIDED

FIGURE B-92

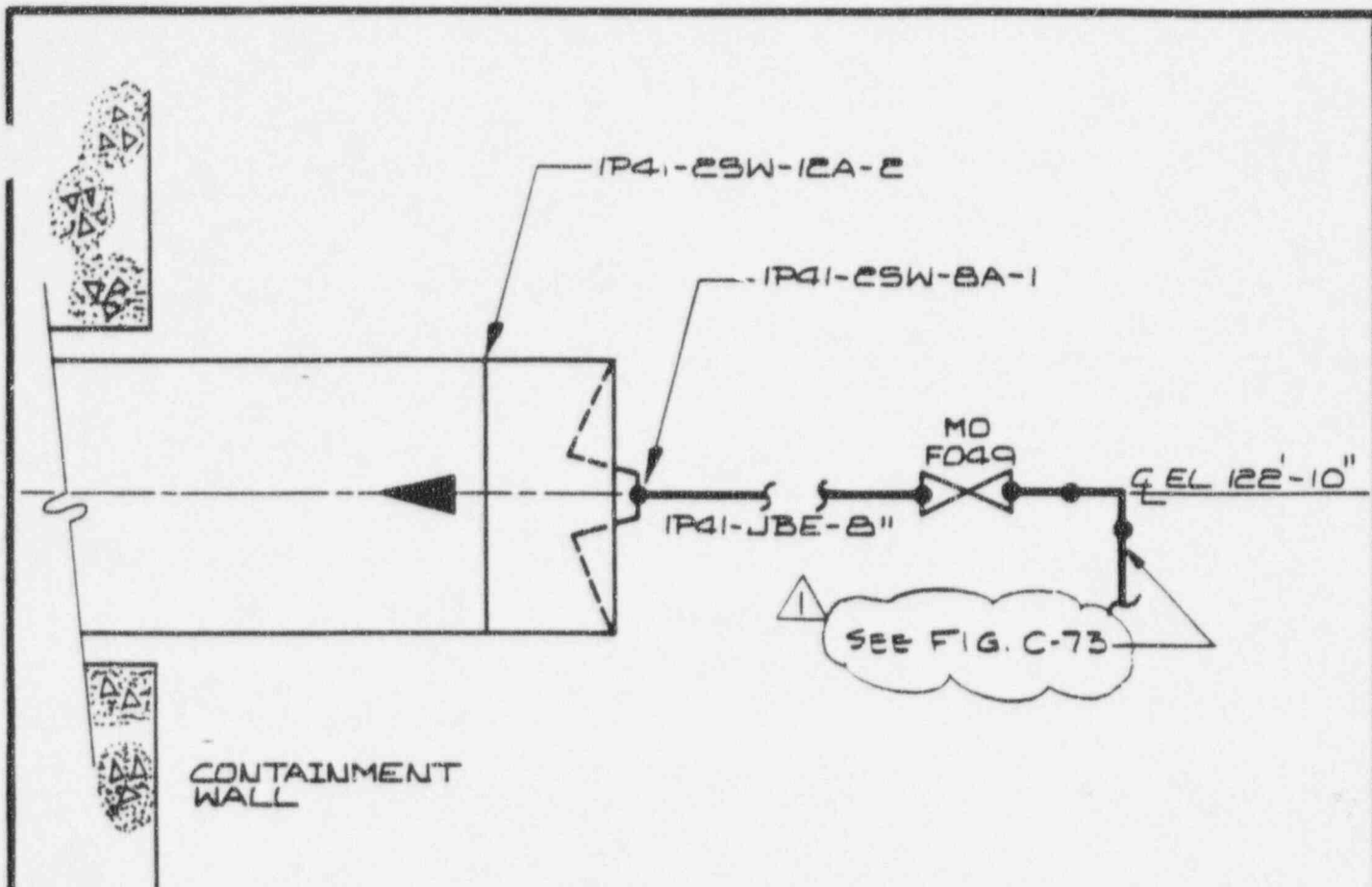


PENETRATION X-44
ELEVATION VIEW
 REF. ISO. H-16894 REV. 2

INSULATED
 SERVICE WATER RETURN
 PENETRATION: X-44
 LOCATION: TORUS BAY 1
 HATCH 1 CLASS 2

FIGURE B-93

1	3-16-72	was	ws	WHC
0		BST	ing	CWD
REV.	DATE	BY	CHK'D	APP'R



PENETRATION X-20
ELEVATION VIEW



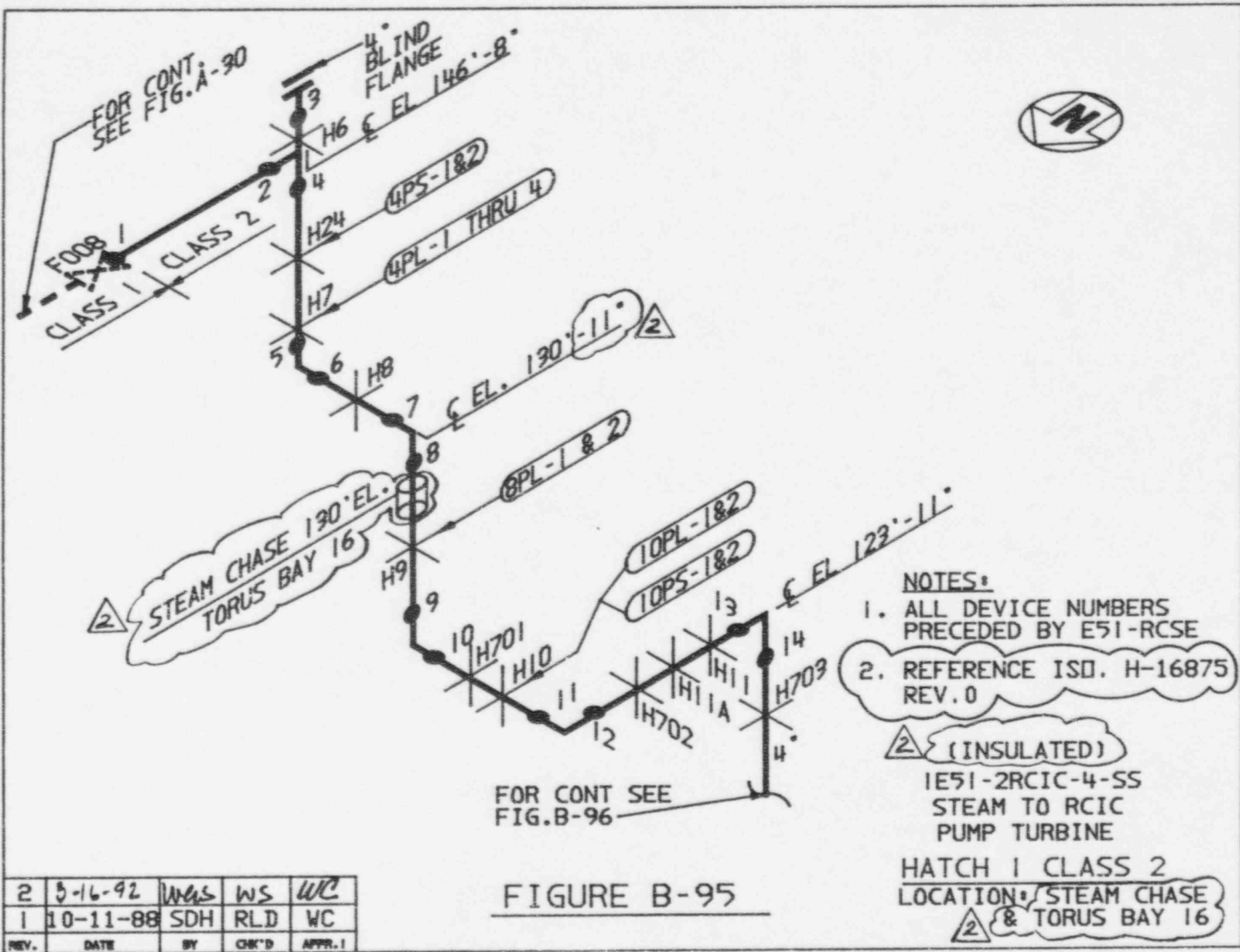
INSULATED 
 SERVICE WATER SUPPLY
 PENETRATION: X-20
 LOCATION: TORUS BAY 1
 HATCH 1 CLASS 2 

FIGURE B-94

1	2-16-92	WGS	WS	WHC
0	5-5-87	BST	SKG	CWD
REV.	DATE	BY	CHK'D	APPR. 1

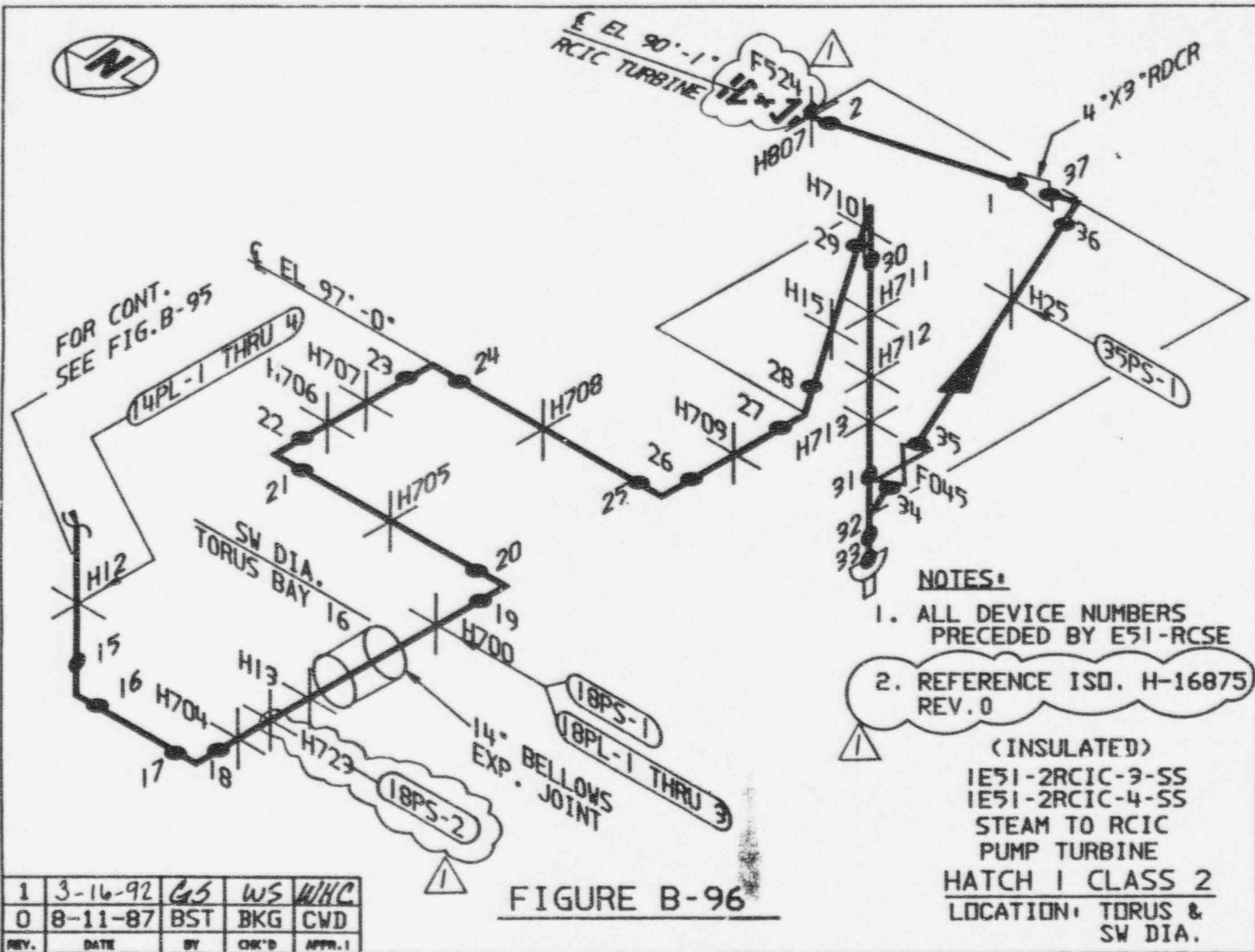


- NOTES:**
1. ALL DEVICE NUMBERS PRECEDED BY E51-RCSE
 2. REFERENCE ISO. H-16875 REV. 0

(INSULATED)
 IE51-2RCIC-4-SS
 STEAM TO RCIC
 PUMP TURBINE
 HATCH 1 CLASS 2
 LOCATION: STEAM CHASE
 & TORUS BAY 16

2	3-16-92	WWS	WS	WC
1	10-11-88	SDH	RLD	WC
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE B-95



NOTES:

1. ALL DEVICE NUMBERS PRECEDED BY E51-RCSE

2. REFERENCE ISD. H-16875 REV. 0

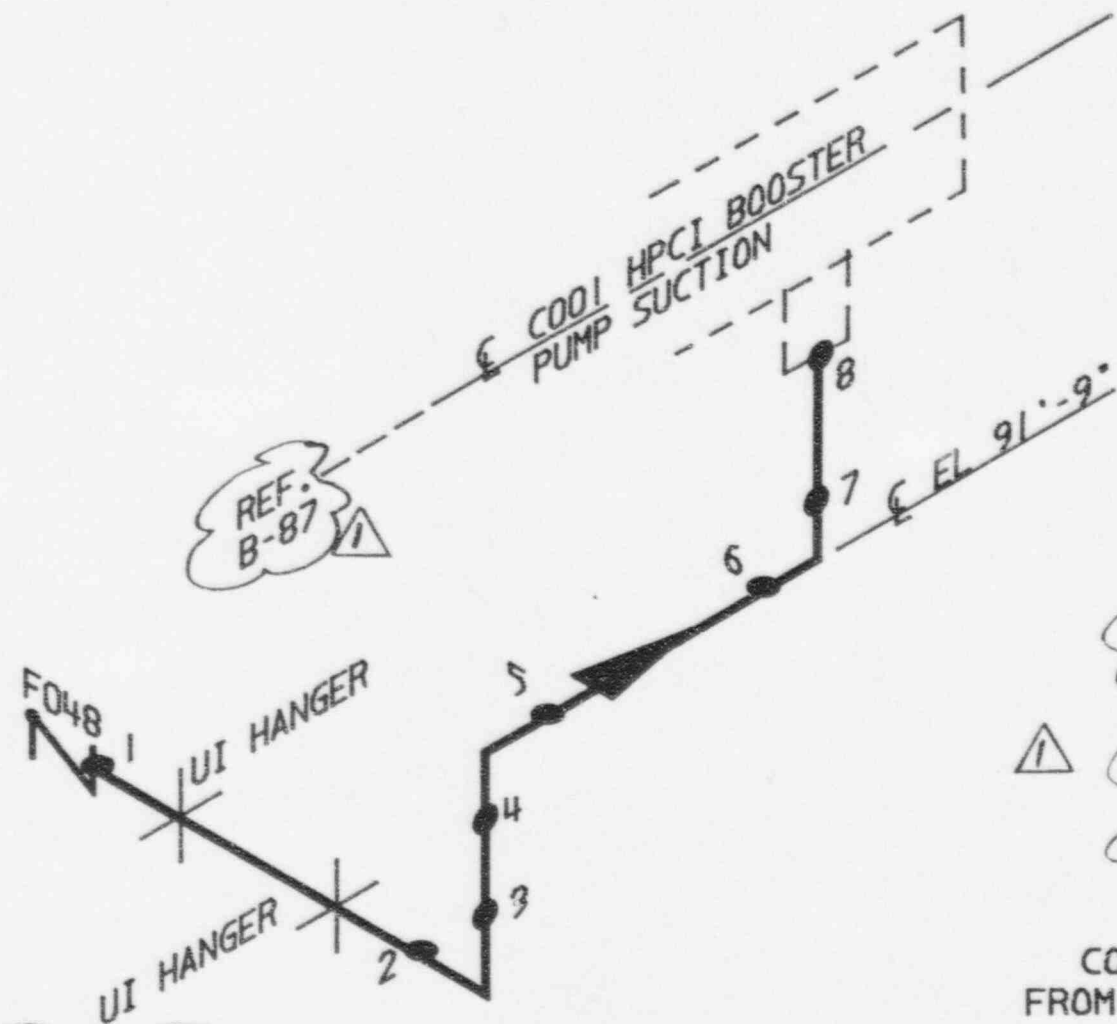
(INSULATED)

1E51-2RCIC-3-SS
 1E51-2RCIC-4-SS
 STEAM TO RCIC
 PUMP TURBINE

HATCH I CLASS 2
 LOCATION: TORUS &
 SW DIA.

FIGURE B-96

1	3-16-92	GS	WS	WHC
0	8-11-87	BST	BKG	CWD
REV.	DATE	BY	CHK'D	APPR. 1



NOTES:

1. REFERENCE P&ID
H-16134



(UNINSULATED)

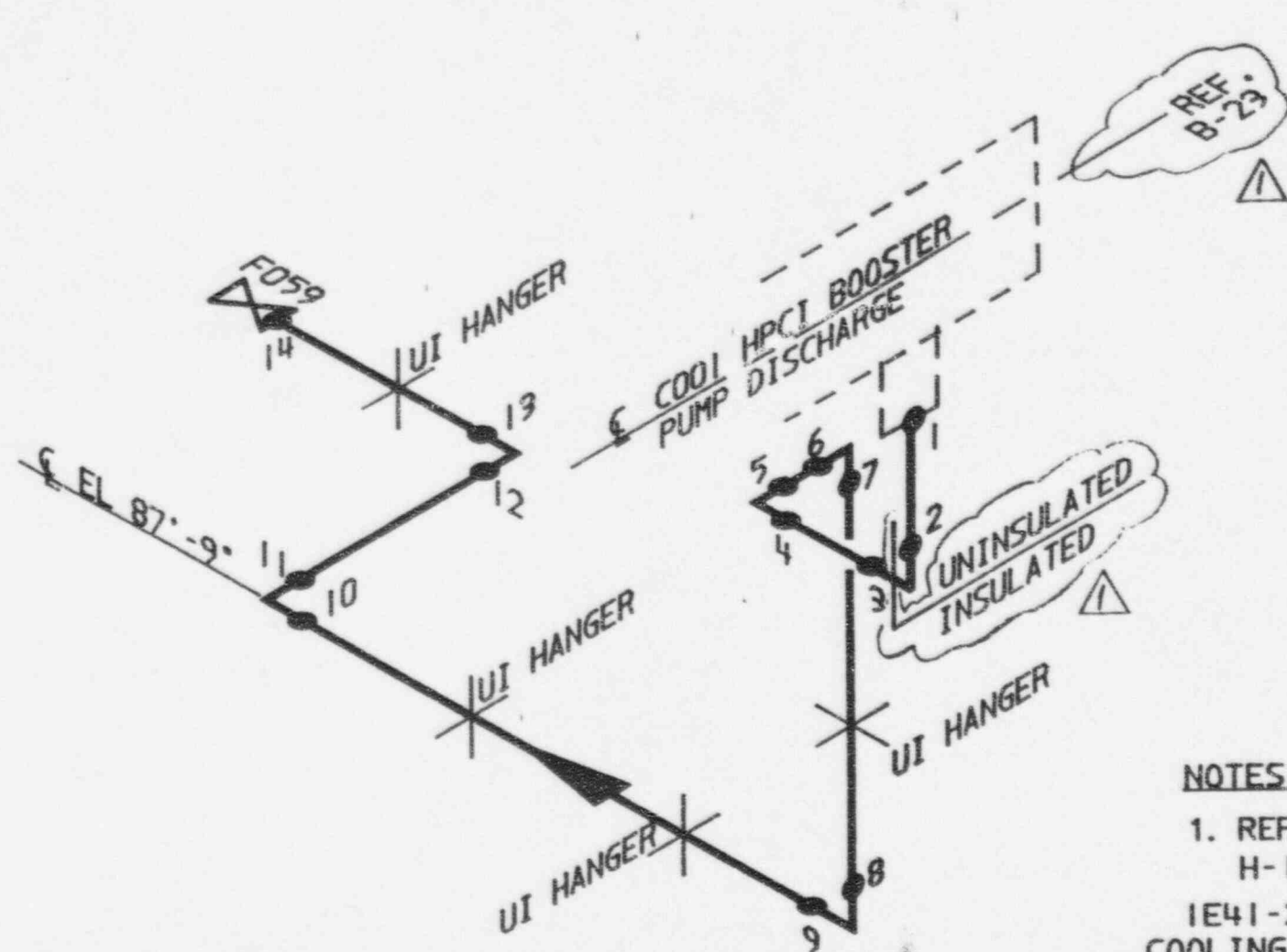
1E41-2HPCI-2-CWR
COOLING WATER RETURN
FROM BAROMETRIC CONDENSER
HPCI SYSTEM

HATCH 1 CLASS 2
LOCATION: HPCI ROOM 87

WALKED DOWN IN 1991

1	3-16-92	wqs	ws	WC
0	8-7-87	BST	WS	CWD
REV.	DATE	BY	CHK'D	APPR. I

FIGURE B-97



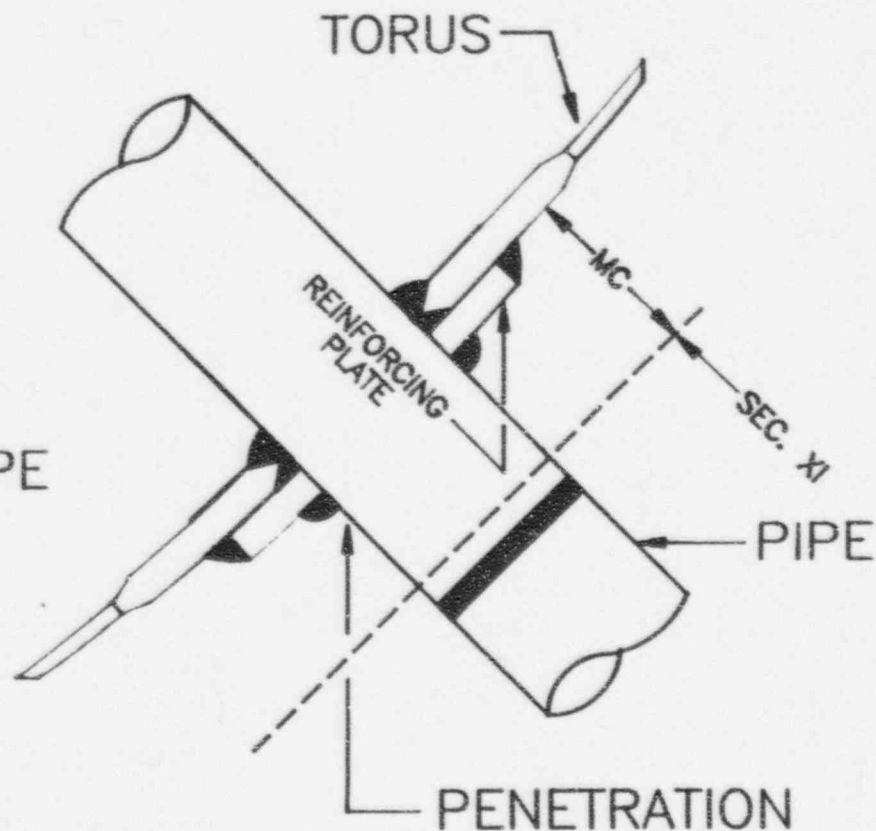
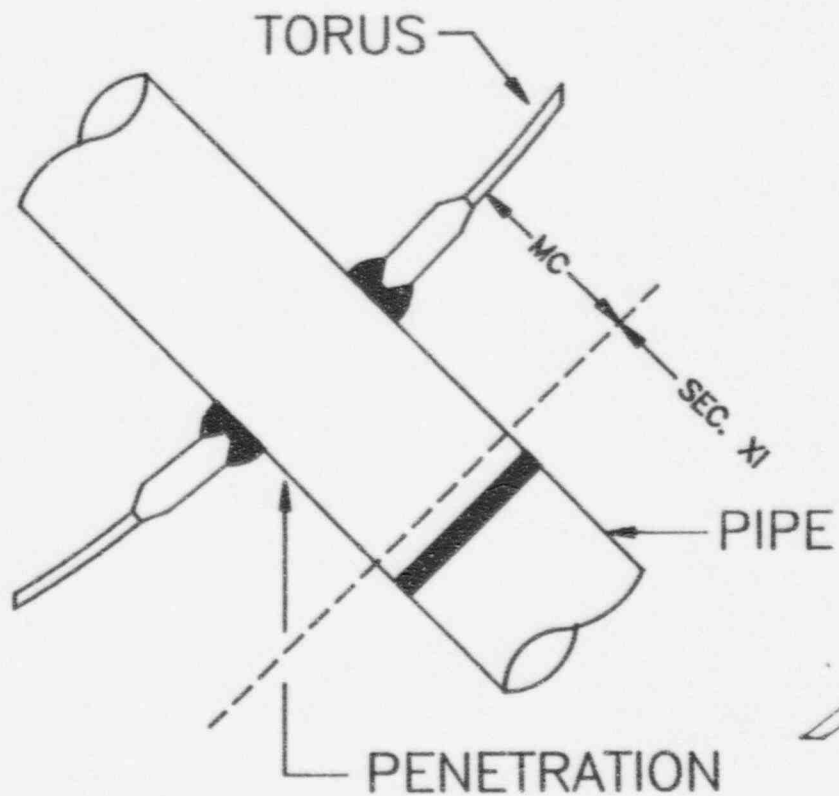
NOTES:

- 1. REFERENCE P&ID !
H-16134
- 1E41-2HPCI-2-CWS
COOLING WATER SUPPLY
TO BAROMETRIC CONDENSER
HPCI SYSTEM
- HATCH 1 CLASS 2 !
- LOCATION: HPCI ROOM 87

WALKED DOWN IN 1991. !

FIGURE B-98

1	3-16-92	MCS	WS	WC
0	8-7-87	BST	WS	CWD
REV.	DATE	BY	CHK'D	APPR. 1



NOTES:

1. PIPING ON MC SIDE FURNISHED BY CB&I AND IS NOT UNDER JURISDICTION OF ASME SECTION XI
2. 10 CFR 50.55a DOES NOT REQUIRE IWE EXAMINATION ON CLASS MC COMPONENTS (REFERENCE RELIEF REQUEST 6.1.4)

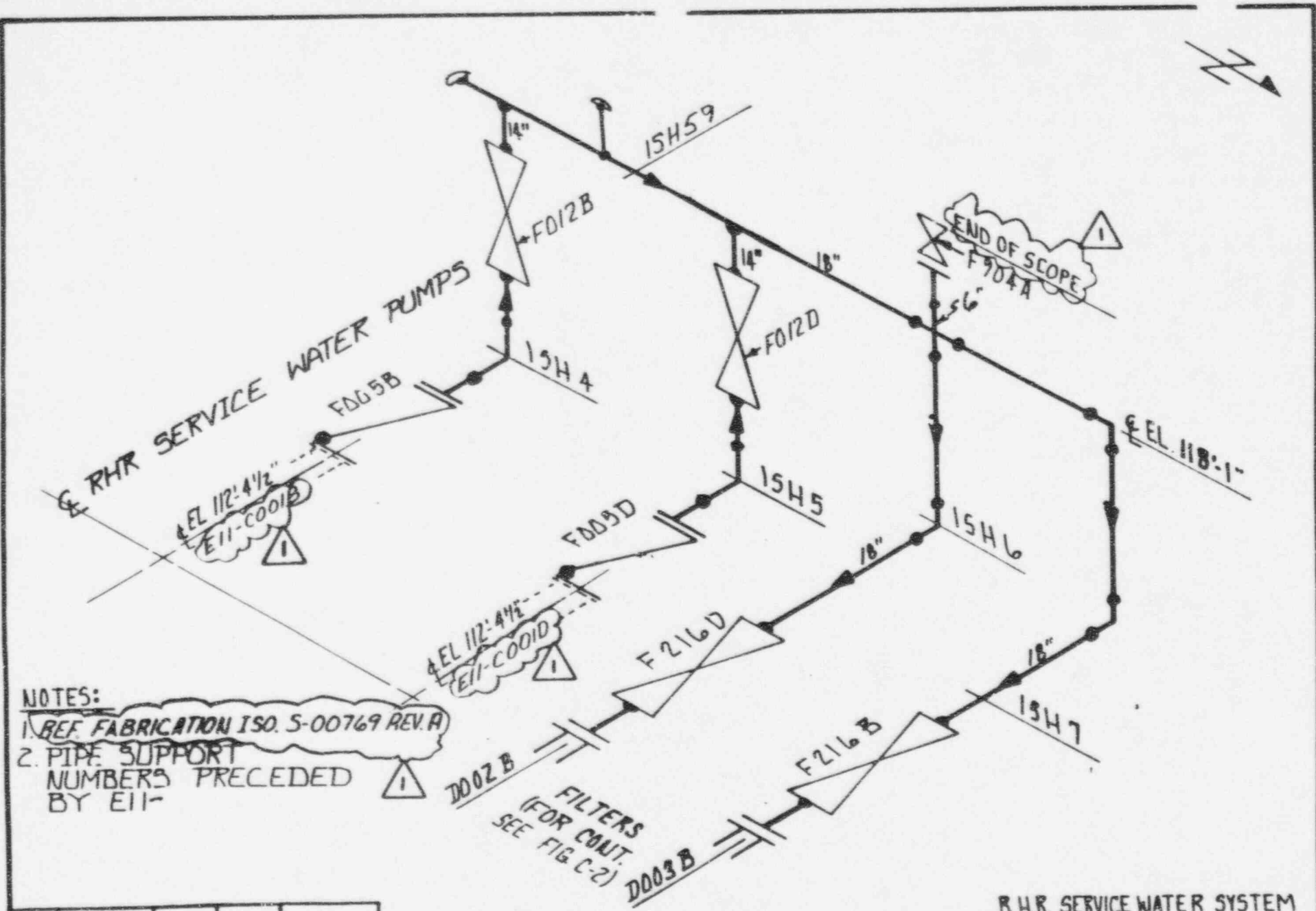
FIGURE B-100
HATCH UNIT 1

1	7-8-92	CS	WS	WHC
0	8-27-91	WGS	WS	WHC
REV.	DATE	BY	CHK'D	APPR 1

UNCONTROLLED

Hatch Unit 1 Class 3

C-1/01	C-48/03	C-93/02
C-2/01	C-49/02	C-94/02
C-3/01	C-50/02	C-95/01
C-4/01	C-51/02	C-96/01
C-5/02	C-52/01	C-97/01
C-6/03	C-53/01	C-98/01
C-7/01	C-54/01	C-99/01
C-8/01	C-55/01	C-100/01
C-8A/02	C-56/01	C-101/01
C-9/01	C-57/01	C-102/01
C-10/01	C-58/01	C-103/01
C-11/01	C-59/01	C-104/01
C-12/02	C-59A/Later	C-105/01
C-13/02	C-60/01	C-106/01
C-14/02	C-60A/Later	C-107/01
C-15/01	C-61/01	C-108/01
C-16/01	C-62/01	C-109/01
C-17/01	C-63/01	C-110/01
C-18/02	C-64/01	C-111/01
C-19/01	C-65/01	C-112/02
C-20/01	C-66/01	C-113/02
C-21/02	C-66A/Later	C-114/02
C-22/02	C-66B/Later	C-115/02
C-23/01	C-67/01	C-116/02
C-24/02	C-68/01	C-117/01
C-25/03	C-68A/Later	C-118/01
C-26/02	C-69/03	
C-27/02	C-70/02	
C-28/02	C-71/03	
C-29/02	C-72/01	
C-30/02	C-73/03	
C-31/02	C-74/02	
C-32/02	C-75/03	
C-33/03	C-76/01	
C-34/02	C-77/01	
C-35/01	C-78/03	
C-36/02	C-79/03	
C-37/01	C-80/03	
C-38/01	C-81/02	
C-39/03	C-82/02	
C-40/03	C-83/02	
C-41/03	C-84/03	
C-42/01	C-85/02	
C-43/02	C-86/02	
C-44/02	C-87/02	
C-45/02	C-88/03	
C-46/02	C-89/03	
C-47/03	C-90/02	
	C-91/02	
	C-92/02	

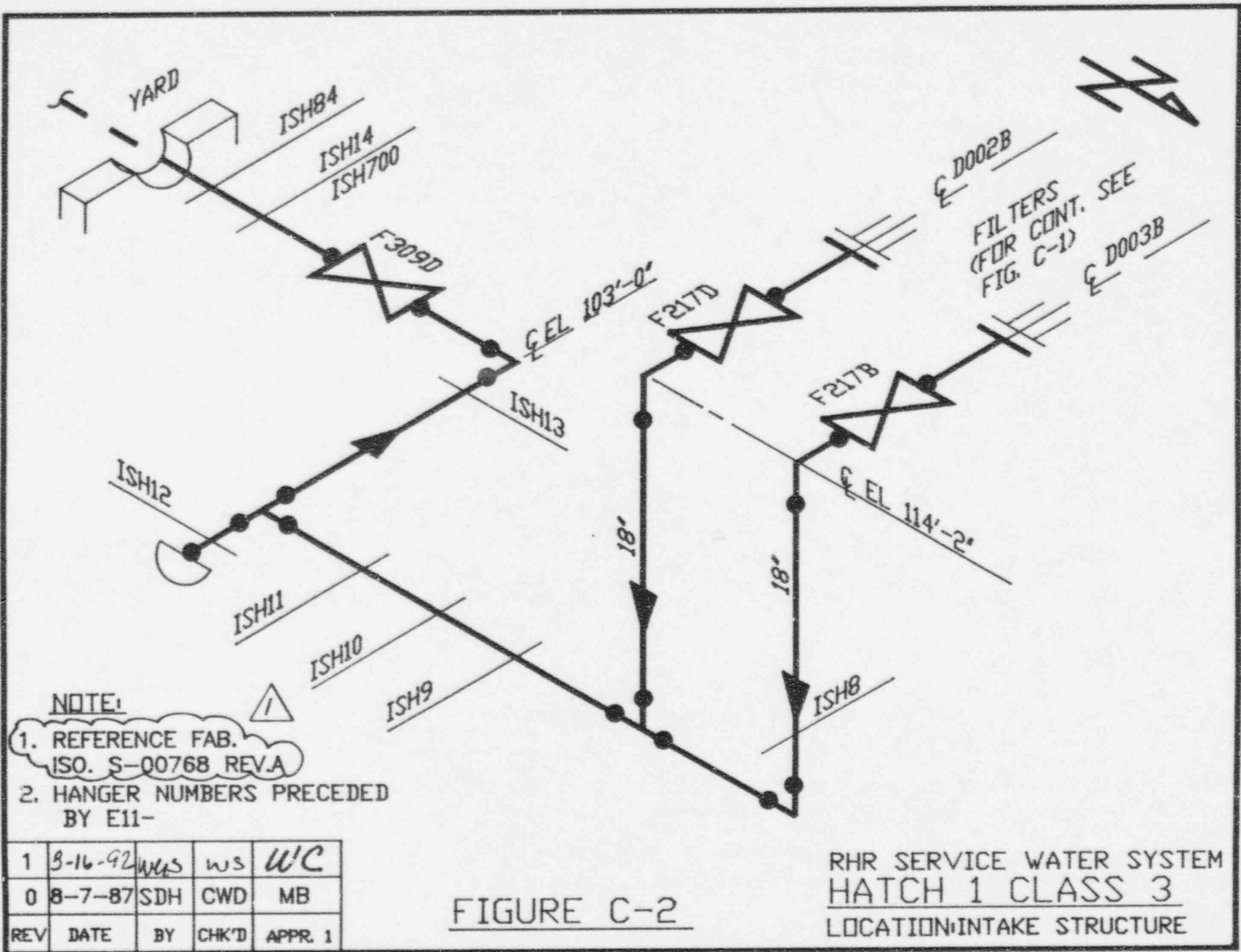


NOTES:
 1. REF FABRICATION ISO. S-00769 REV. A
 2. PIPE SUPPORT NUMBERS PRECEDED BY E11-

FIGURE C-1

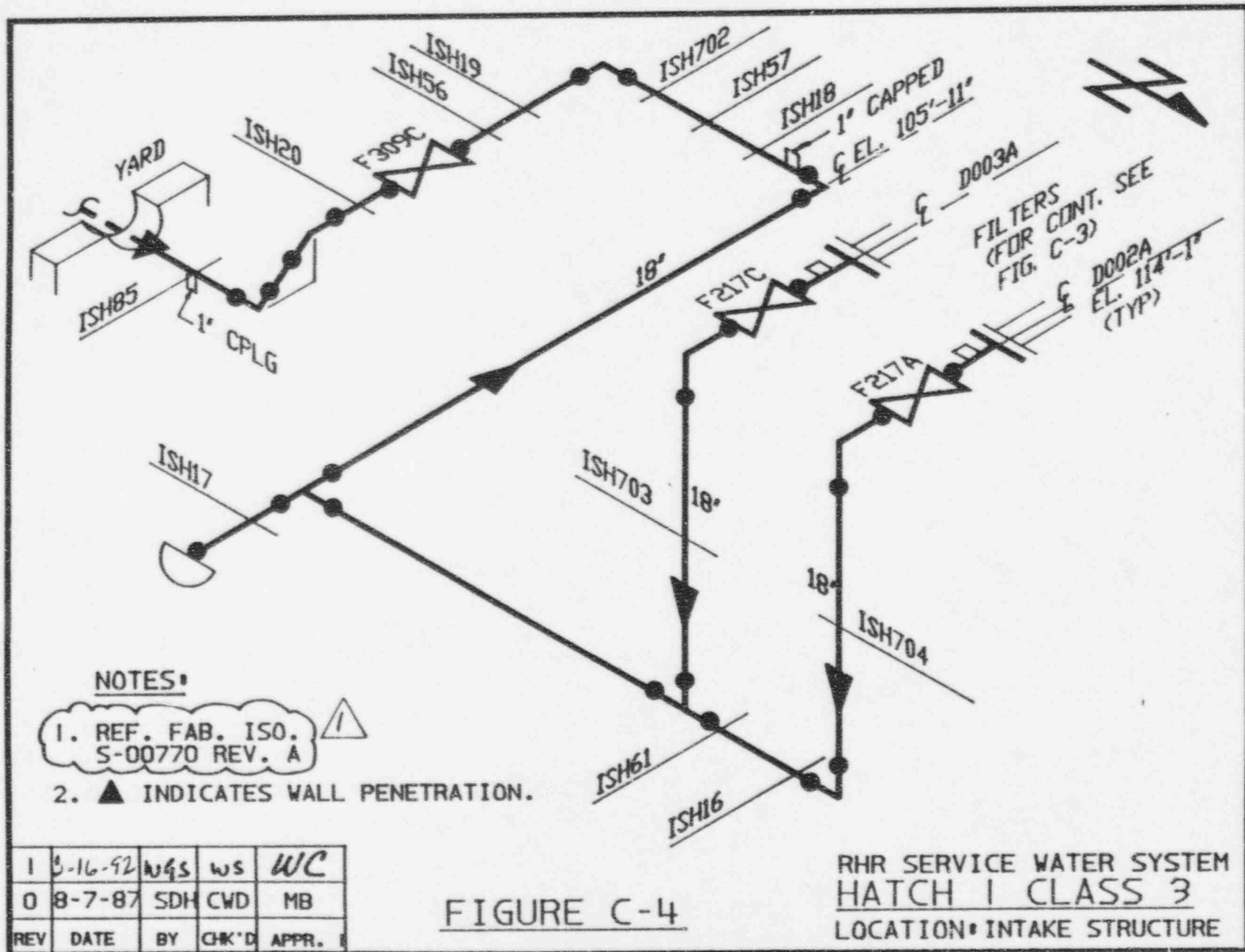
R.H.R. SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION: INTAKE STRUCTURE

1	5-16-98	WGS	W6	WCM
0	7/9/87	SDH	W3	MB
REV	DATE	BY	CHK'D	APPR 1



1	3-16-92	WKS	WS	WC
0	8-7-87	SDH	CWD	MB
REV	DATE	BY	CHK'D	APPR. 1

FIGURE C-2



NOTES:

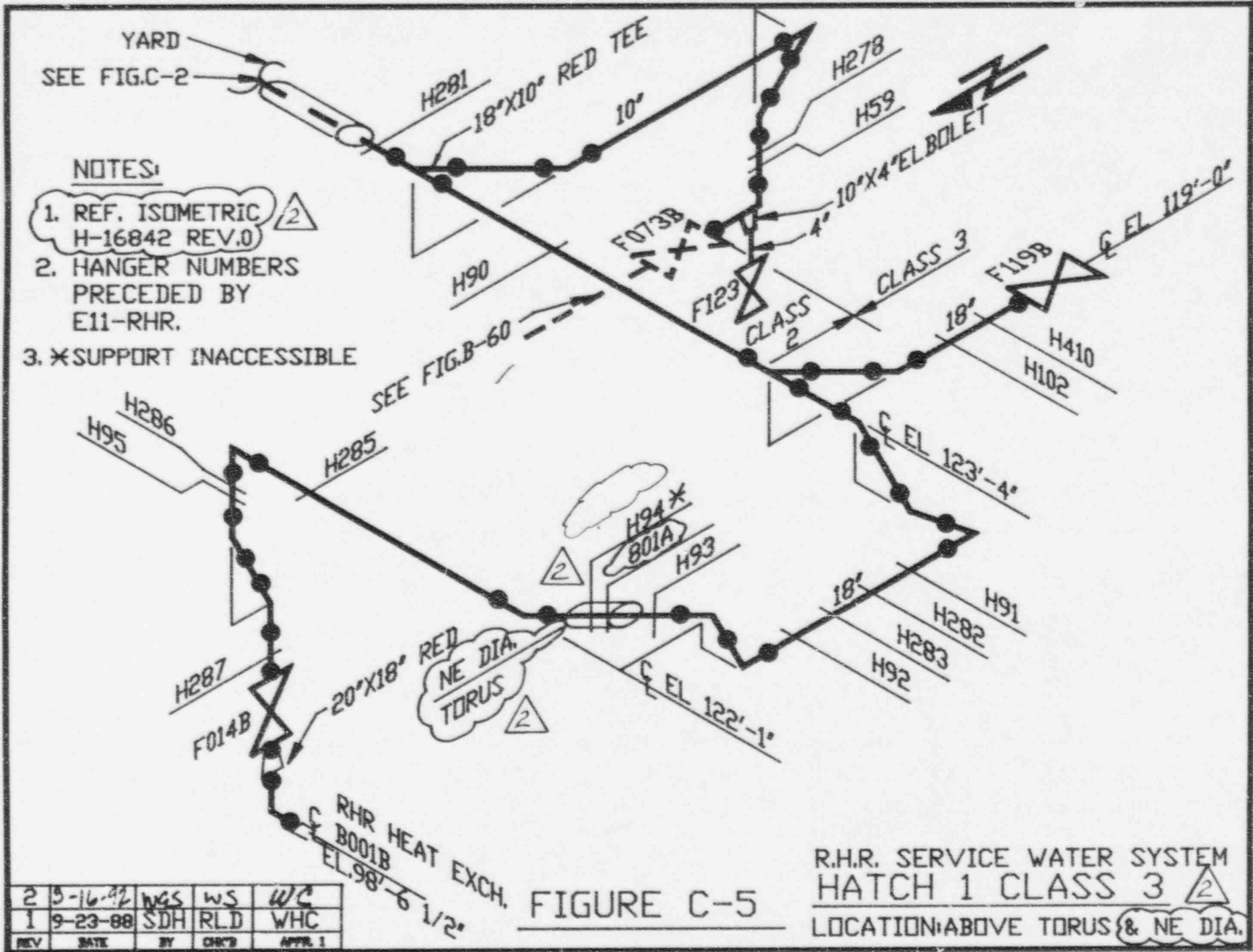
1. REF. FAB. ISO. S-00770 REV. A 

2. ▲ INDICATES WALL PENETRATION.

1	5-16-92	WGS	WS	WC
0	8-7-87	SDH	CWD	MB
REV	DATE	BY	CHK'D	APPR.

FIGURE C-4

RHR SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION • INTAKE STRUCTURE



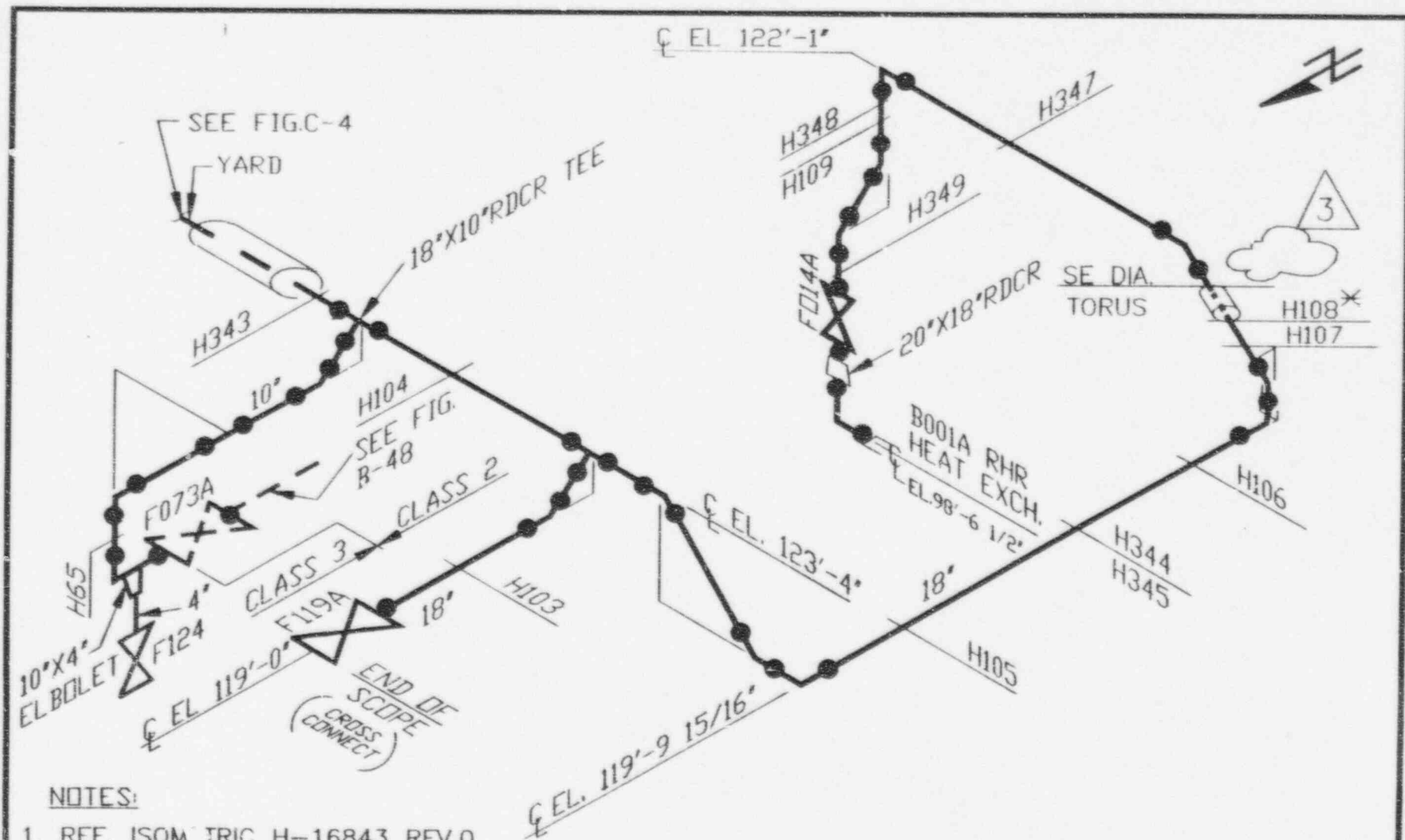
NOTES:

- 1. REF. ISOMETRIC H-16842 REV.0
- 2. HANGER NUMBERS PRECEDED BY E11-RHR.
- 3. *SUPPORT INACCESSIBLE

2	5-16-92	WGS	WS	WC
1	9-23-88	SDH	RLD	WHC
REV	DATE	BY	CHK'D	APPR. 1

FIGURE C-5

R.H.R. SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION: ABOVE TORUS & NE DIA.



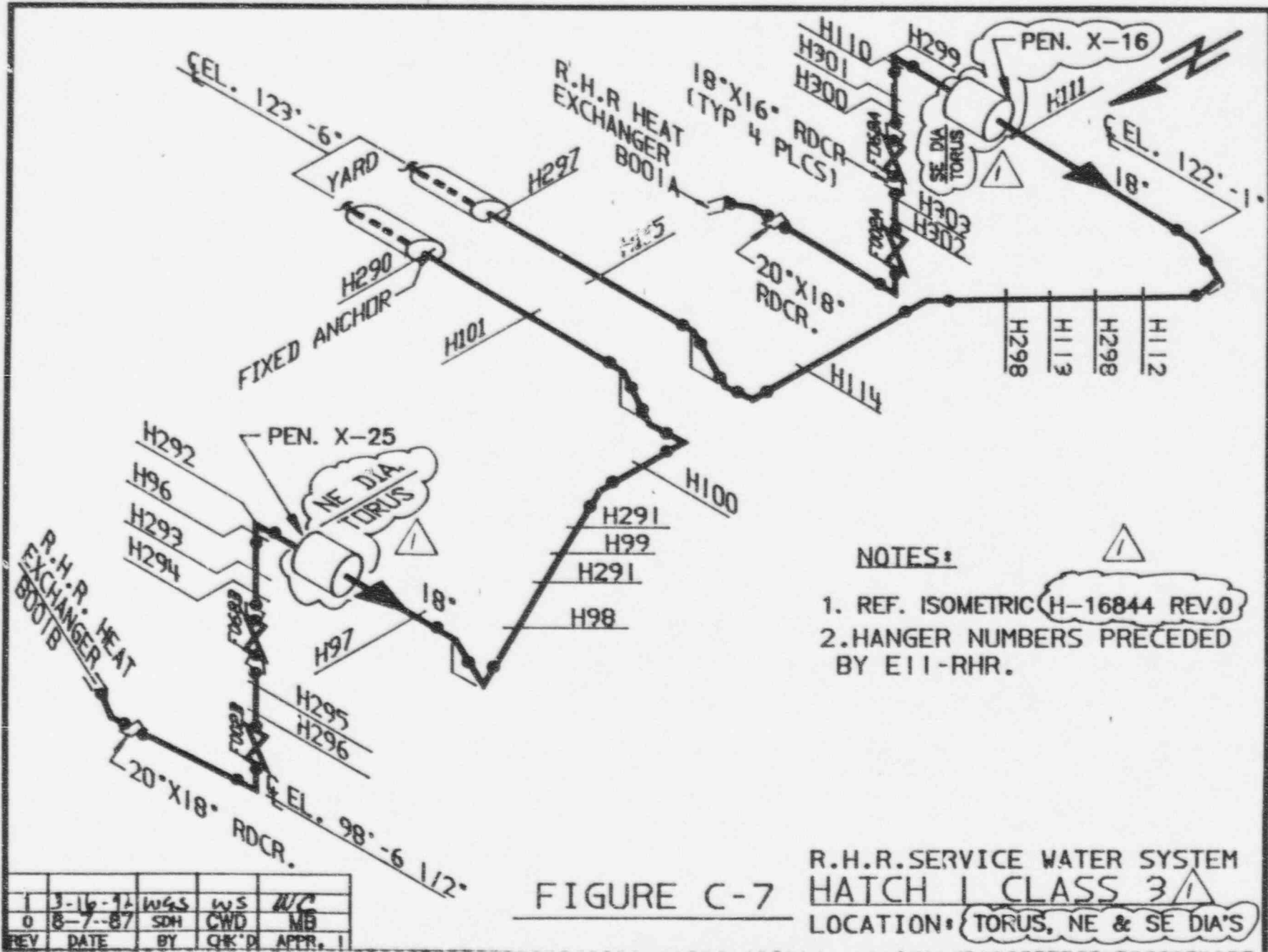
NOTES:

1. REF. ISOMETRIC H-16843 REV.0
2. HANGER NUMBERS PRECEDED BY E11-R.H.R.
3. * SUPPORT INACCESSIBLE

3	4-20-93	WS	KFW	WC
2	3-16-92	WGS	WS	WC
1	10-11-88	SDH	RLD	WC
REV	DATE	BY	CHK'D	APPR. I

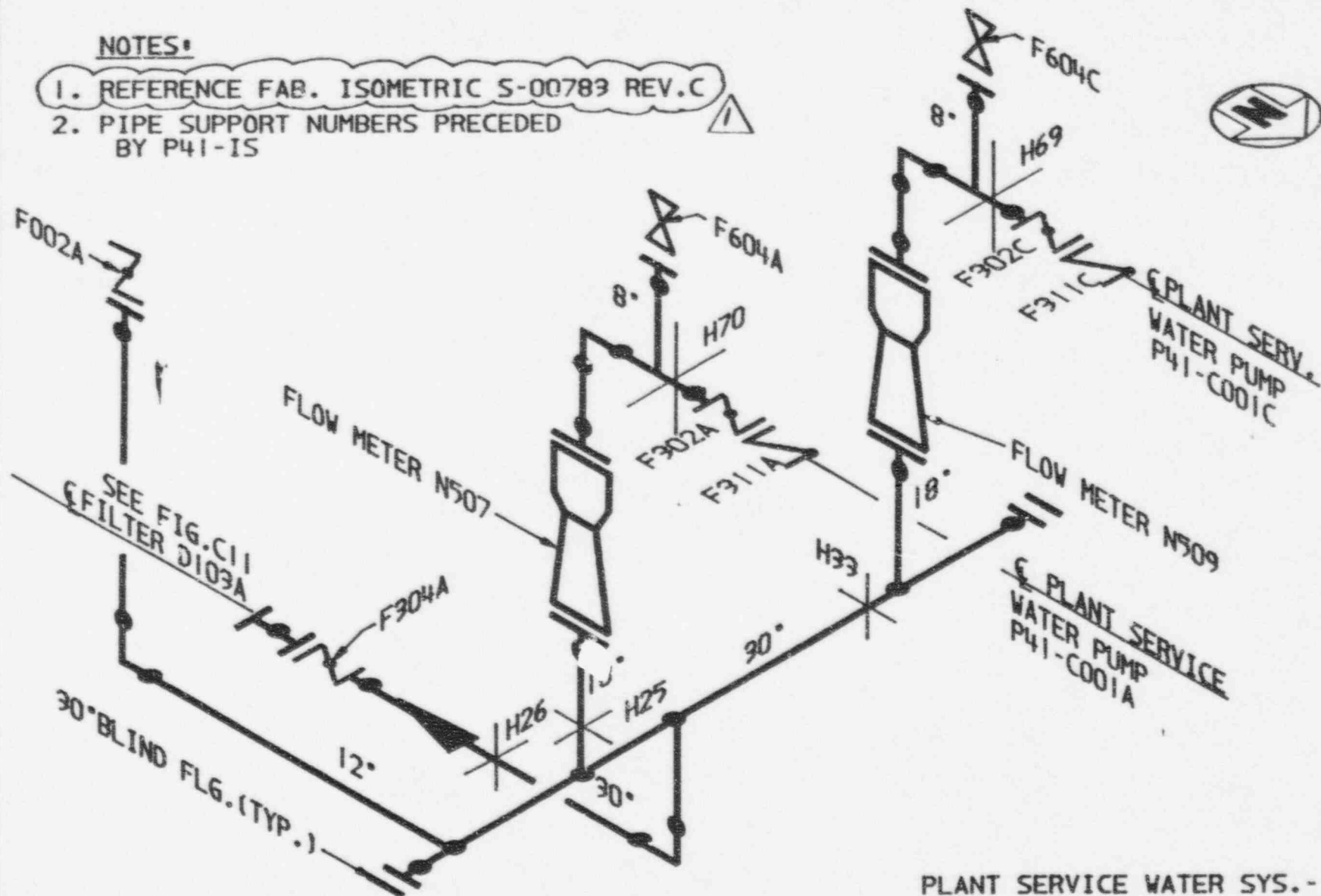
FIGURE C-6

R.H.R. SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION: ABOVE TORUS & SE DIA.



NOTES:

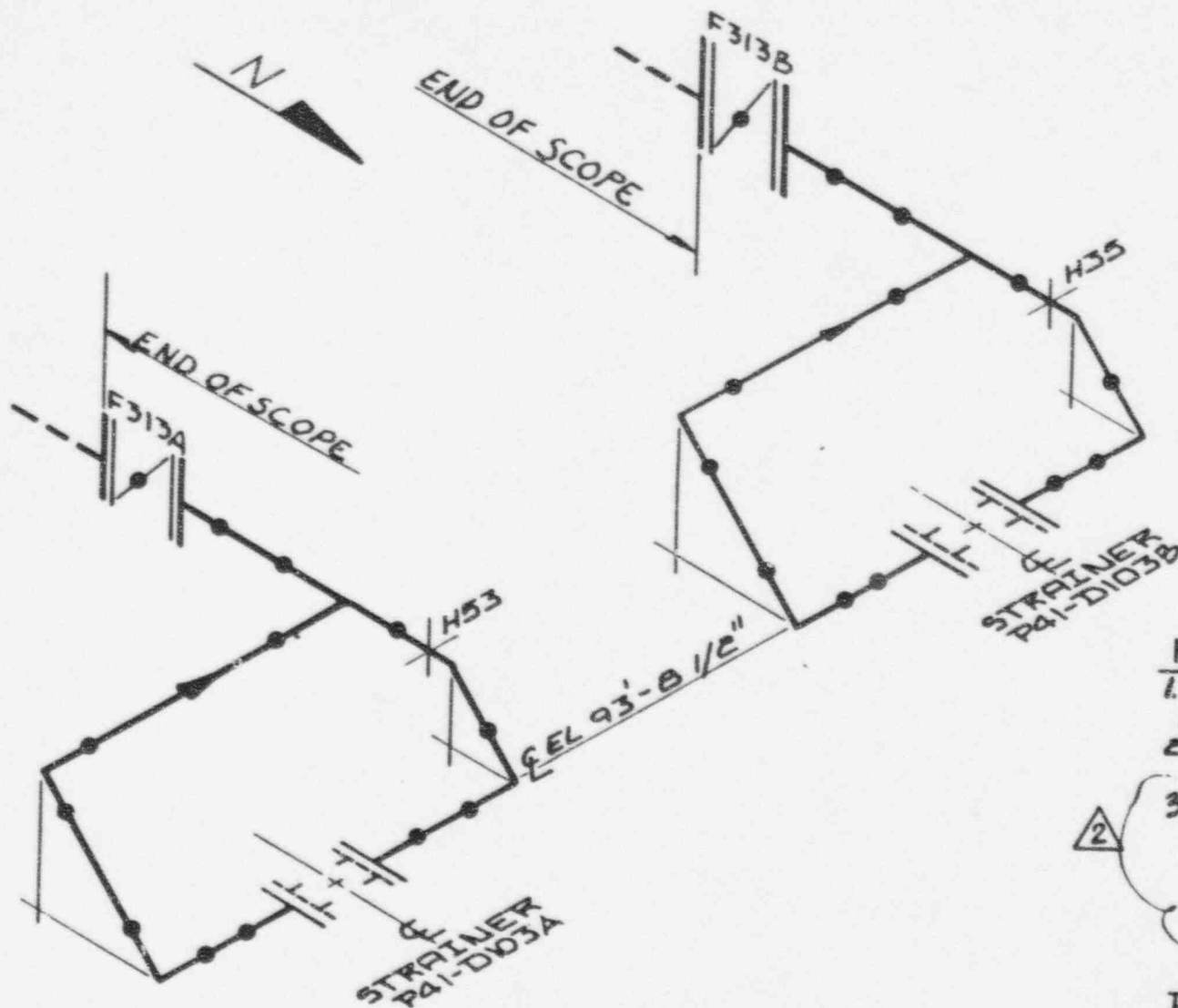
1. REFERENCE FAB. ISOMETRIC S-00783 REV.C
2. PIPE SUPPORT NUMBERS PRECEDED BY P41-IS



1	3-16-92	WGS	WS	WC
0	8-7-87	BKG	CWD	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE C-8

PLANT SERVICE WATER SYS. -
 HATCH 1 - CLASS 3
 LOCATION - INTAKE STRUCTURE



NOTES :

1. REFERENCE FABRICATION ISOMETRIC S-00780 REV B
2. PIPE SUPPORT NUMBERS PRECEDED BY P41-IS.
3. PIPING ON THIS DWG. ARE BACKWASH LINES. FOR MAIN S.W. PIPING SEE FIG. C-8, C-9, C-10 AND C-11.

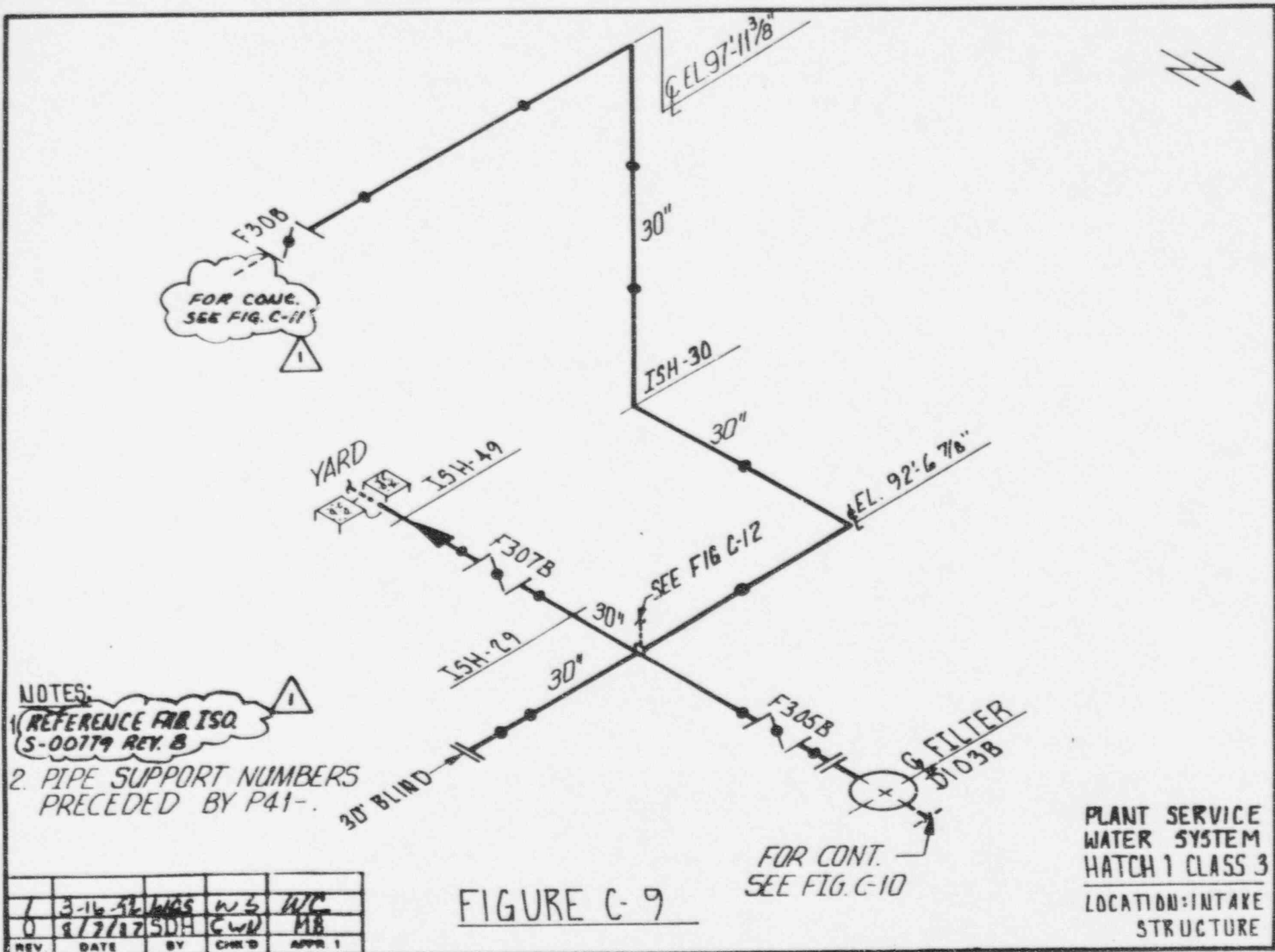


PLANT SERVICE
WATER SYSTEM
HATCH 1 CLASS 3

LOCATION : RIVER
INTAKE
STRUCTURE

FIGURE C-8A

2	7/22/92	W43	WS	W/C
1	3-16-92	W43	WS	W/C
0	8/7/87	BST	CLD	MB
REV	DATE	BY	CHK'D	APPR 1



NOTES:

1. REFERENCE FAB. ISOMETRIC S-00783 REV.C AND S-00784 REV.B

2. PIPE SUPPORT NUMBERS PRECEDED BY P41-IS

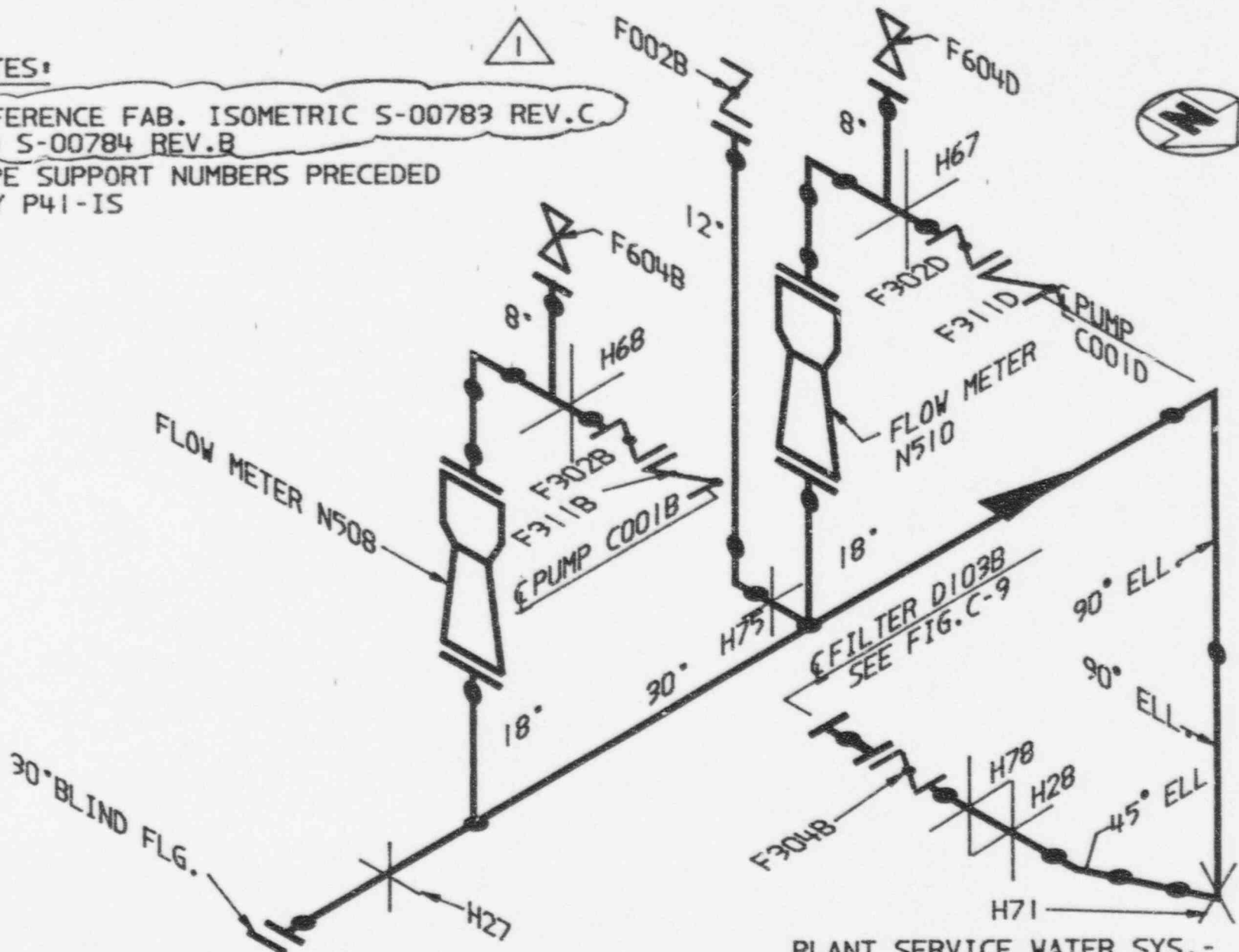
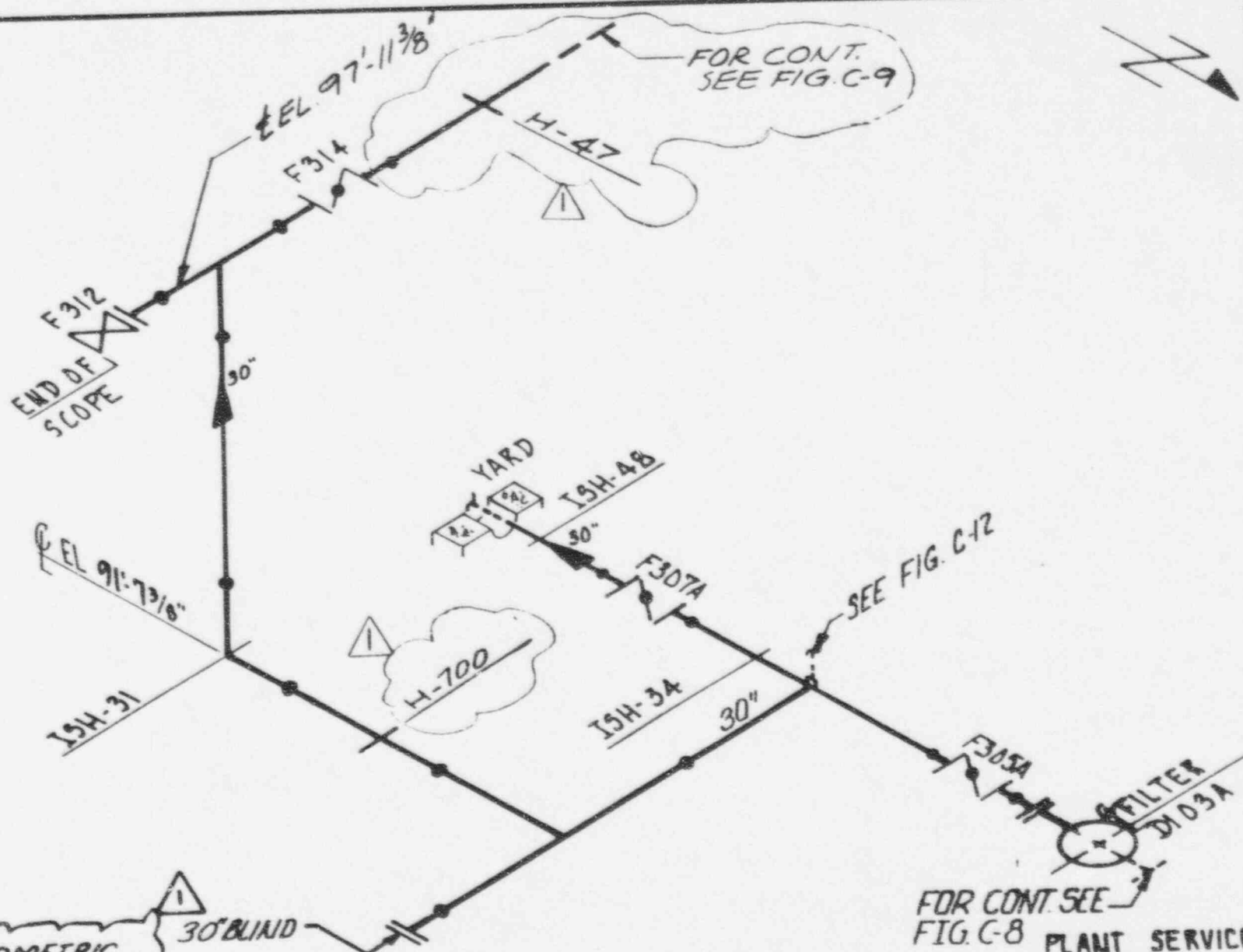


FIGURE C-10

PLANT SERVICE WATER SYS. -
HATCH 1 - CLASS 3
LOCATION: INTAKE STRUCTURE

1	3-16-92	WGS	WS	WC
0	8-7-87	BKG	CWD	MB
REV.	DATE	BY	CHK'D	APPR.1

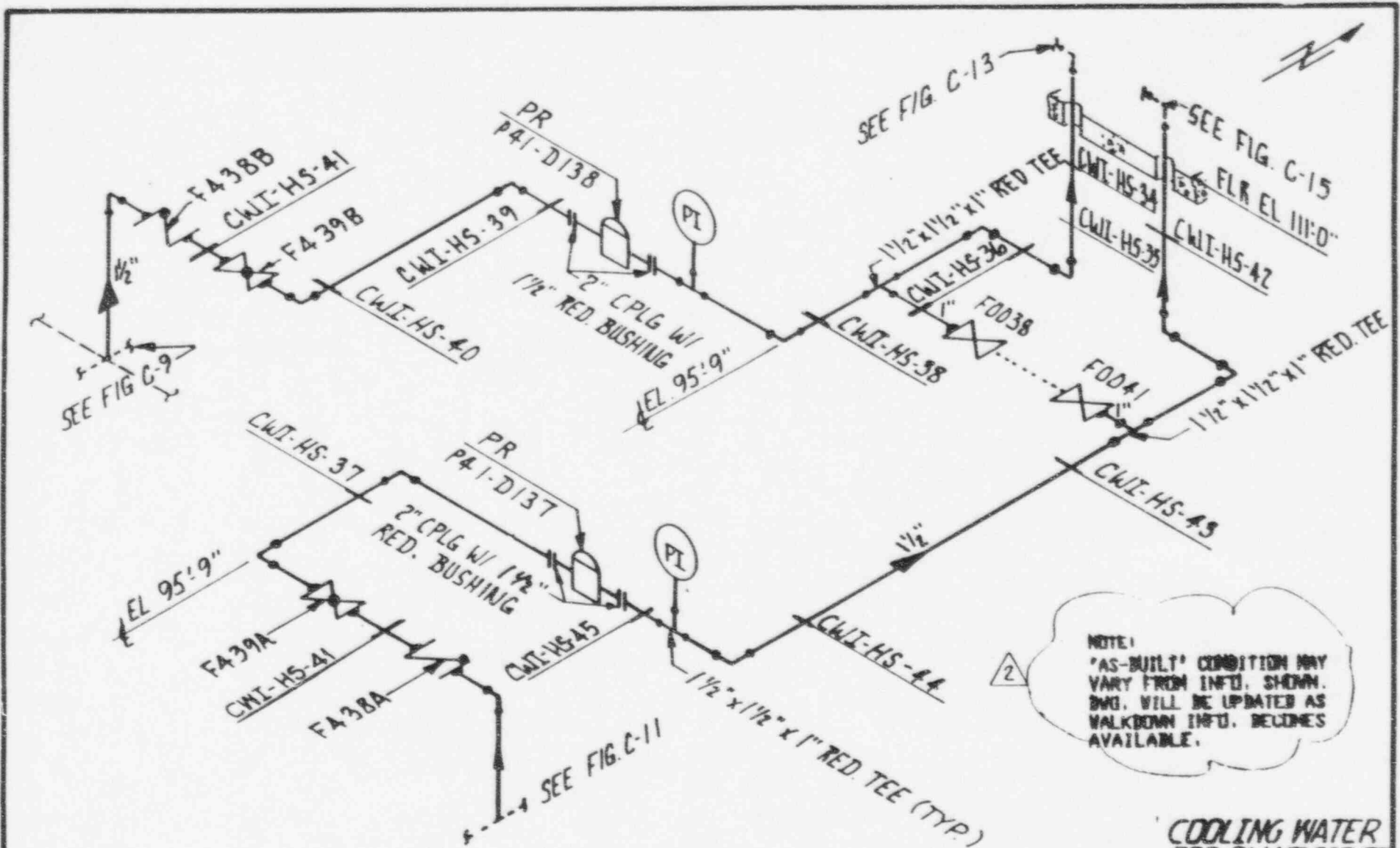


NOTES:
 1. REF. FAB. ISOMETRIC S-00779 REV. B
 2. PIPE SUPPORT NUMBERS PRECEDED BY P41-

1	3-16-92	WCS	WC
0	8/7/87	SMH	MB
REV	DATE	BY	CHK'D
			APPR 1

FIGURE C-11

FOR CONT. SEE FIG. C-8
 PLANT SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION: INTAKE STRUCTURE



NOTE:
 "AS-BUILT" CONDITION MAY VARY FROM INFO. SHOWN. DWG. WILL BE UPDATED AS WALKDOWN INFO. BECOMES AVAILABLE.

NOTES:
 1. REFERENCE P&ID D-11001

2	3-16-91	WGS	WS	WHC
1	7-2-91	WGS	HLW	WHC
0	8/7/97	SDH	CUD	MB
REV	DATE	BY	CHK'D	APPR 1

FIGURE C-12

COOLING WATER
 FOR PLANT SERVICE
 WATER AND PLANT
 RHR PUMPS

HATCH 1 CLASS 3
 LOCATION: INTAKE
 STRUCTURE

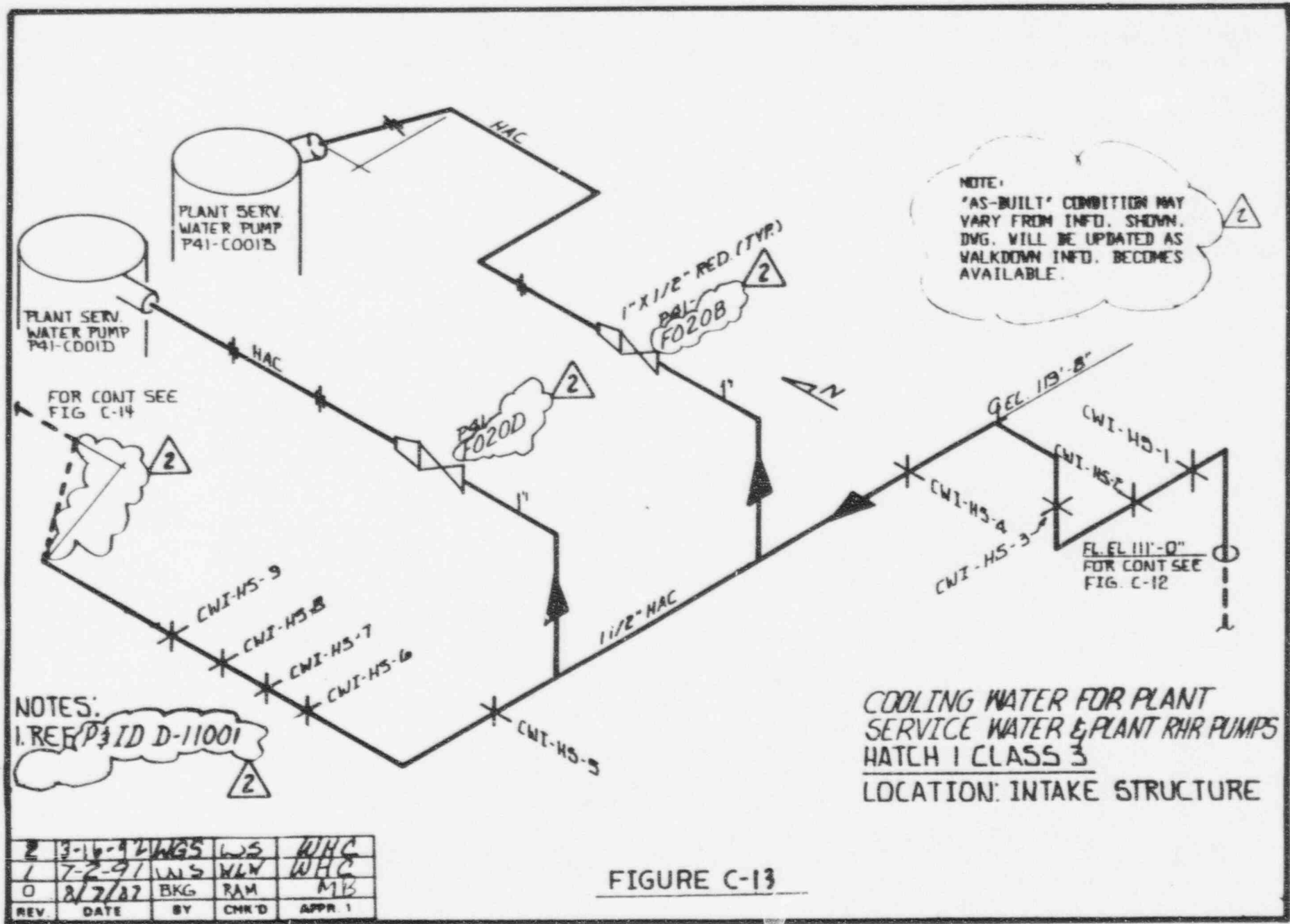
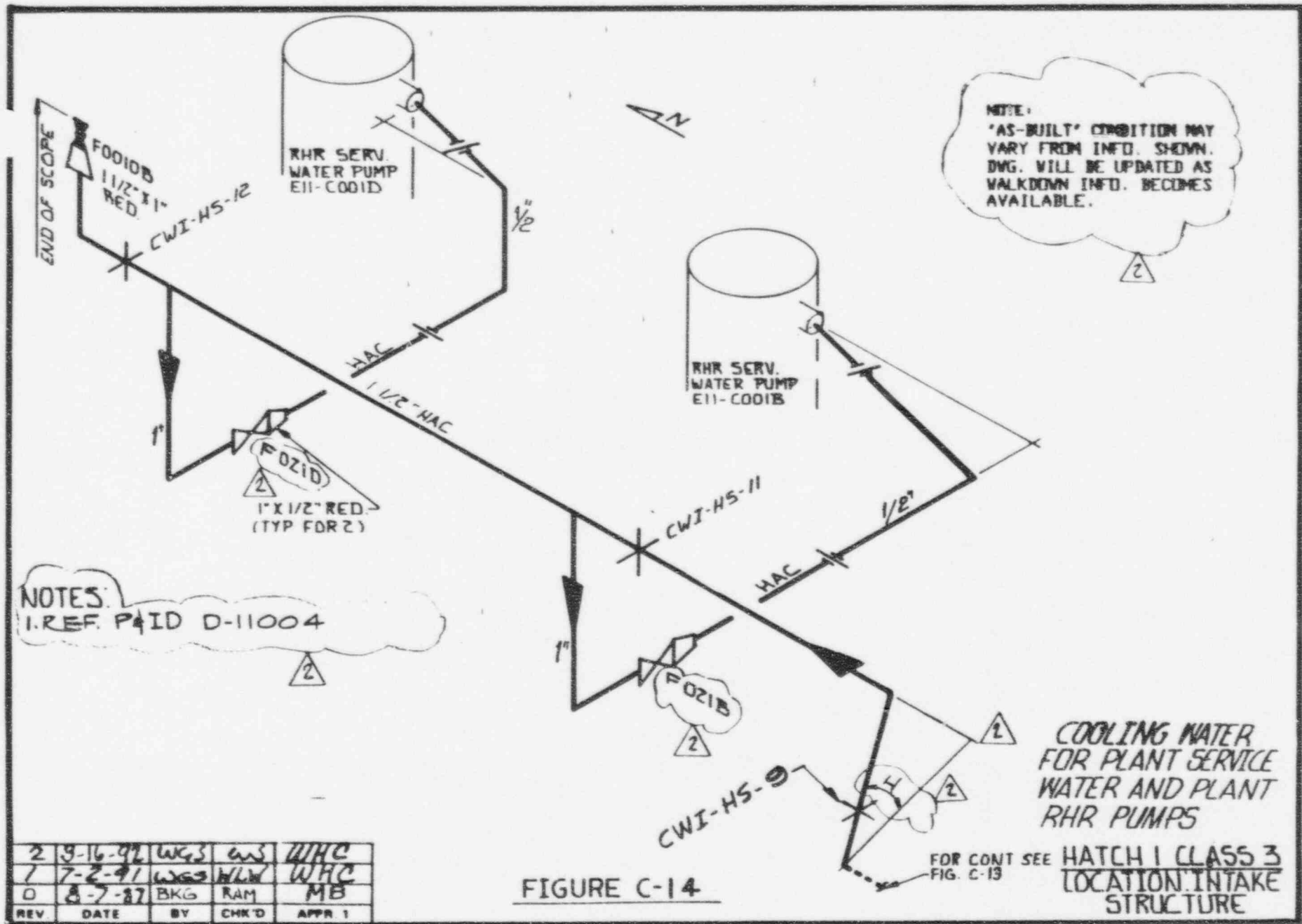
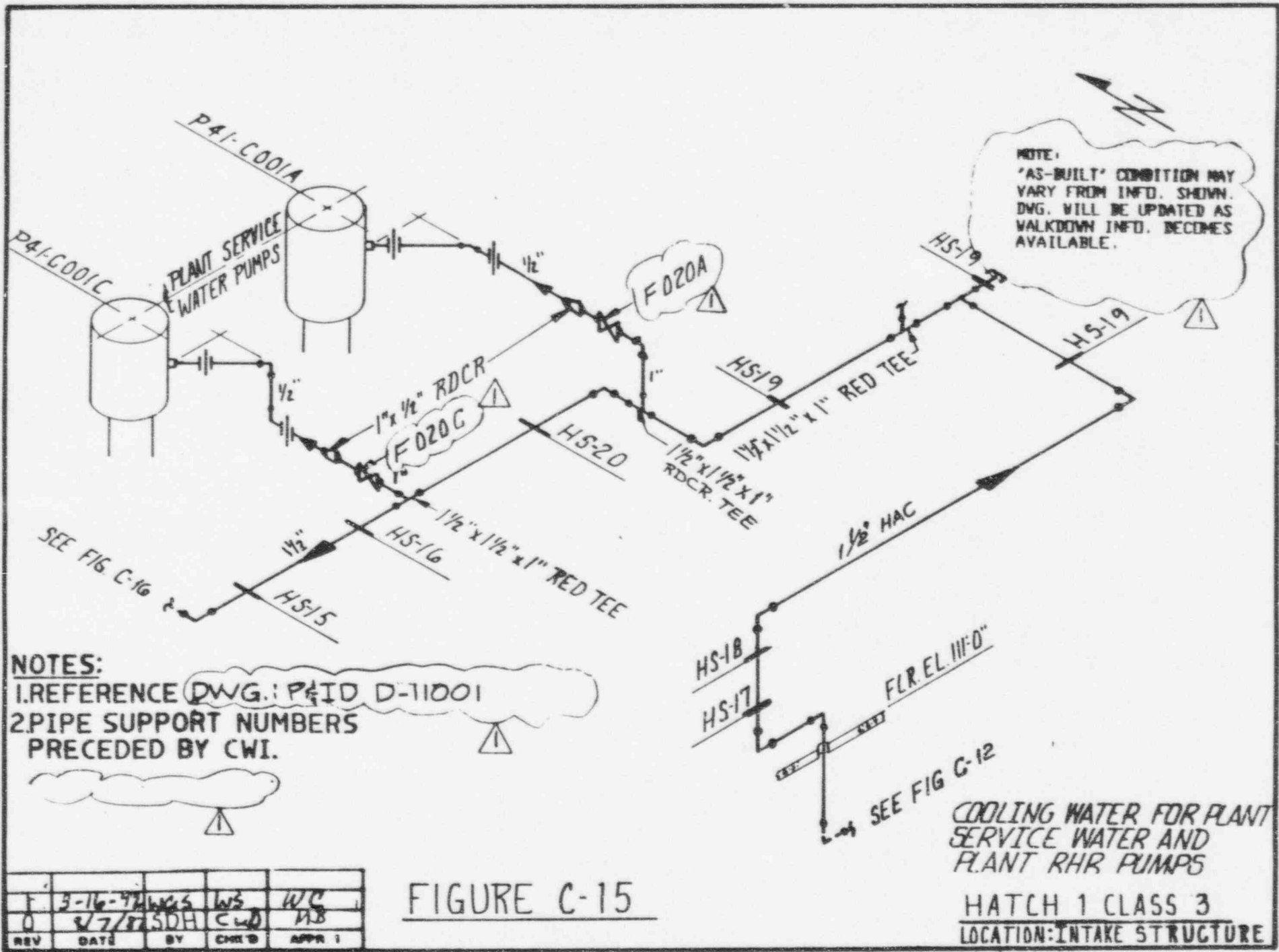


FIGURE C-13



2	9-16-92	WGS	aw	WHC
1	7-2-91	WGS	HLW	WHC
0	8-7-87	BKG	RAM	MB
REV	DATE	BY	CHK'D	APPR 1



NOTES:

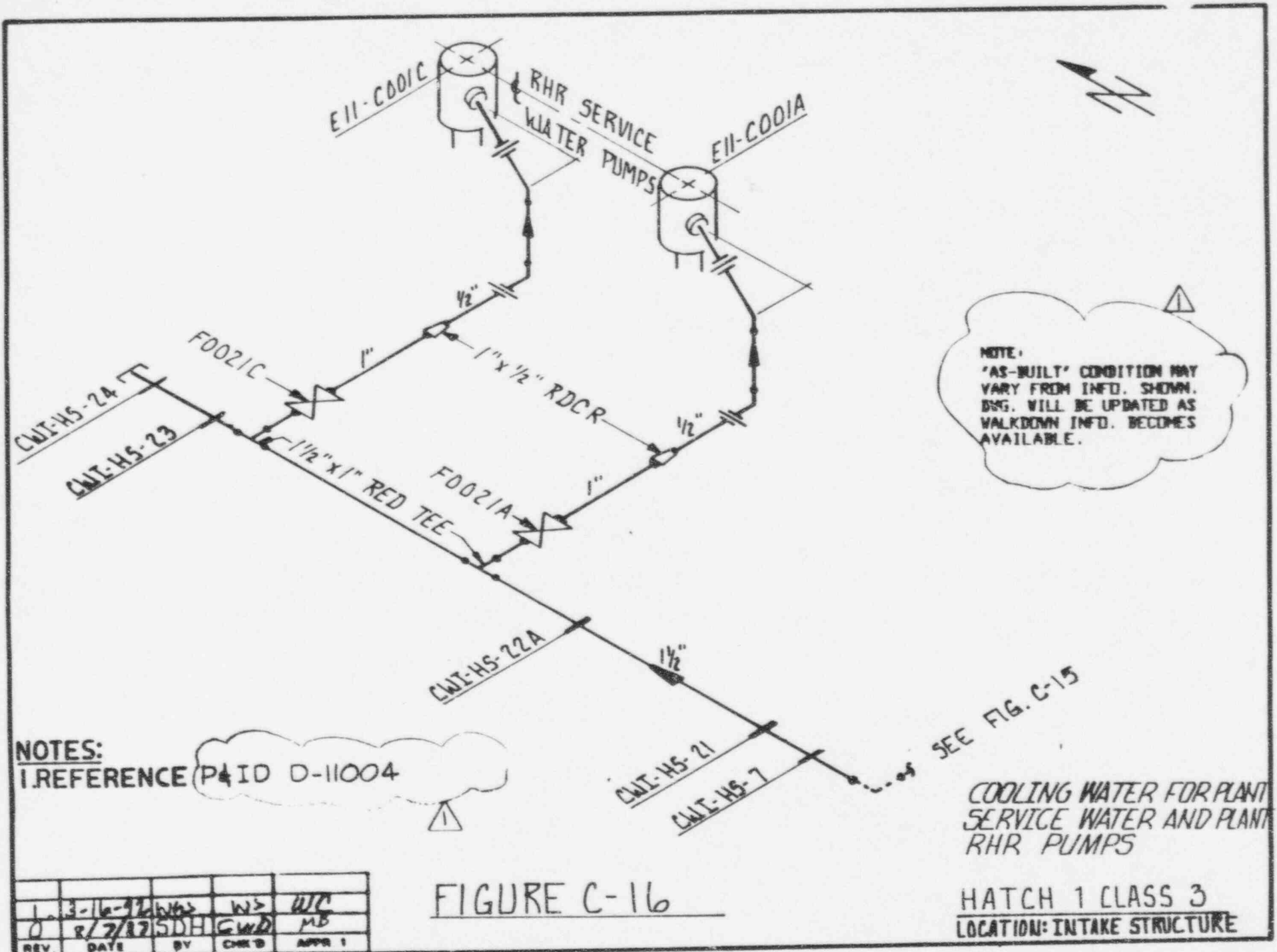
- 1. REFERENCE DWG.: P41D D-11001
- 2. PIPE SUPPORT NUMBERS PRECEDED BY CWI.

FIGURE C-15

COOLING WATER FOR PLANT SERVICE WATER AND PLANT RHR PUMPS

HATCH 1 CLASS 3
LOCATION: INTAKE STRUCTURE

REV	DATE	BY	CHK'D	APPR 1
0	3-16-97	WCS	WCS	WCS
	7/8/98	SDH	CWD	MS



NOTE:
 'AS-BUILT' CONDITION MAY VARY FROM INFO. SHOWN. DWG. WILL BE UPDATED AS WALKDOWN INFO. BECOMES AVAILABLE.

NOTES:
 1. REFERENCE P&ID D-11004

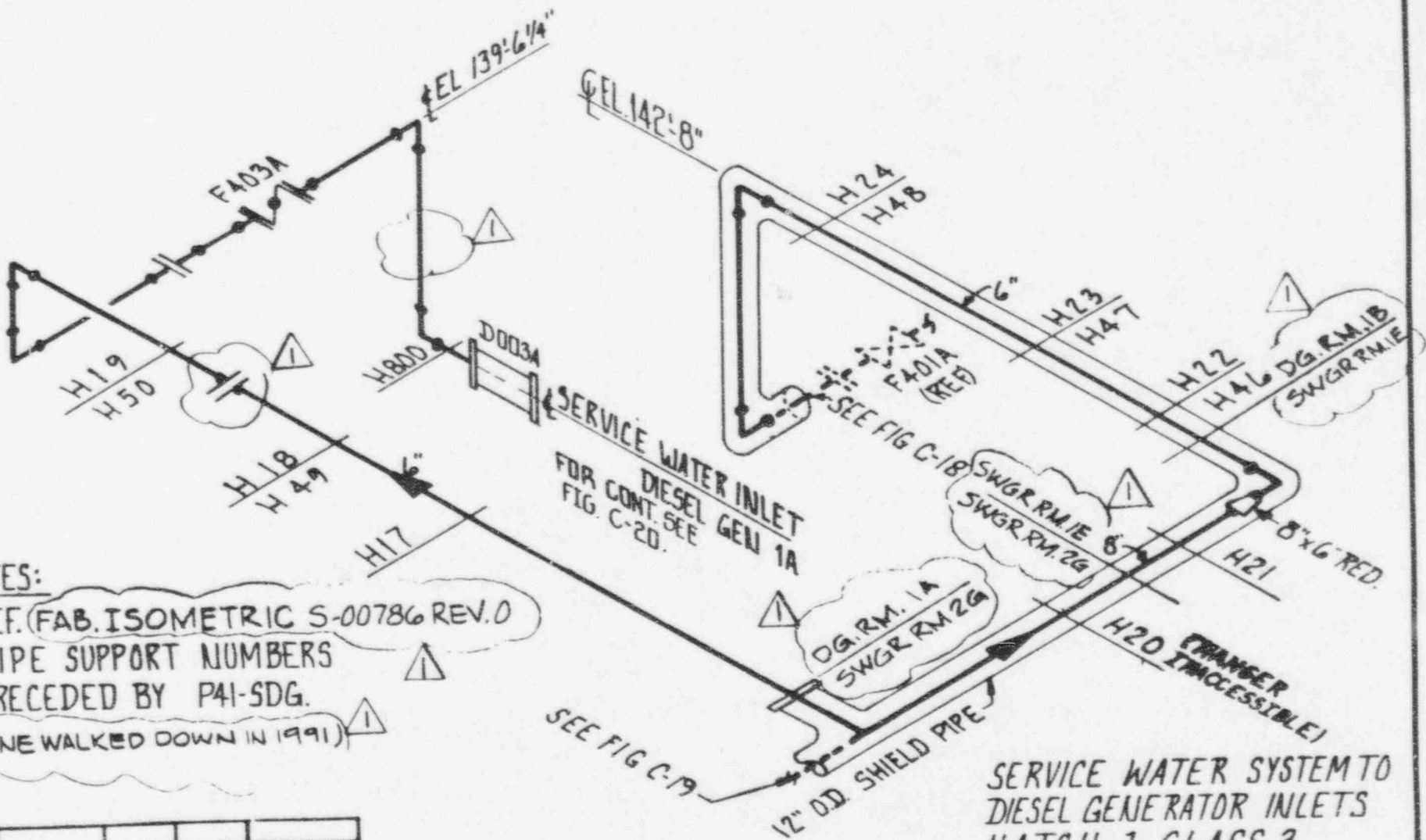
SEE FIG. C-15

COOLING WATER FOR PLANT
 SERVICE WATER AND PLANT
 RHR PUMPS

HATCH 1 CLASS 3
 LOCATION: INTAKE STRUCTURE

FIGURE C-16

1	3-16-92	WWS	WS	WC
0	8/2/87	SDH	GWD	MB
REV	DATE	BY	CHK'D	APP'R



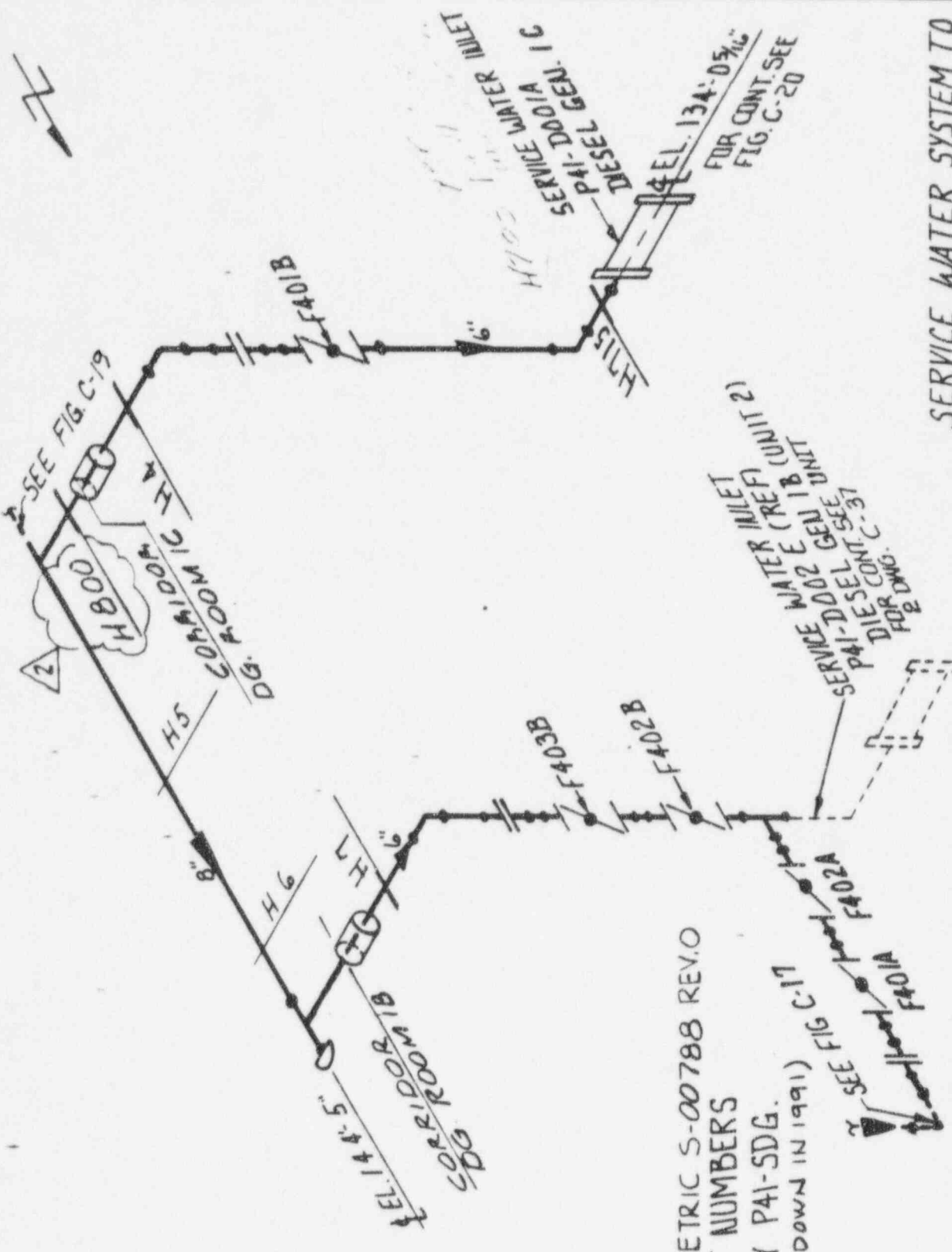
NOTES:

1. REF. (FAB. ISOMETRIC S-00786 REV. 0)
 2. PIPE SUPPORT NUMBERS PRECEDED BY PAI-SDG.
- (LINE WALKED DOWN IN 1991)

1	3-16-92	WGS	WS	WC
0	8/7/87	SDH	CWD	MB
REV	DATE	BY	CHK'D	APPR 1

FIGURE C-17 .

SERVICE WATER SYSTEM TO
DIESEL GENERATOR INLETS
HATCH 1 CLASS 3
LOCATION: DIESEL GENERATOR BLDG.

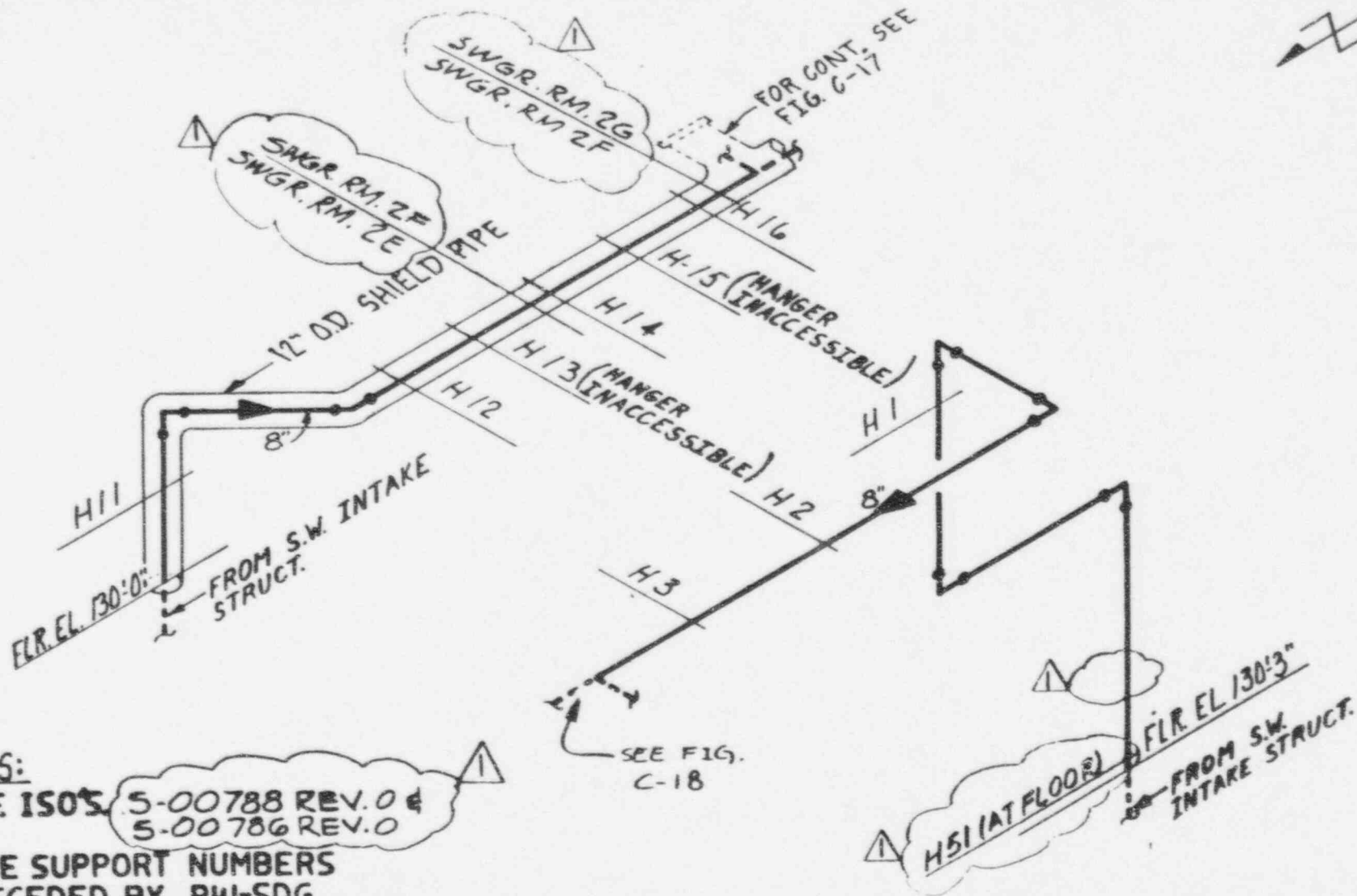


SERVICE WATER SYSTEM TO
 DIESEL GENERATOR INLETS
 HATCH 1 CLASS 3
 LOCATION: DIESEL GENERATOR BLDG

FIGURE C-18

NOTES:
 1. REF. FAB. ISOMETRIC S-00788 REV. 0
 2. PIPE SUPPORT NUMBERS
 PRECEDED BY PA1-SDG.
 (LINE WALKED DOWN IN 1991)

REV	DATE	BY	CHK'D	APPR 1
2	12-15-93	NS	KFA	ALC
1	3-16-92	WGS	WGS	ALC
0	8/7/87	SDH	GWD	MB



NOTES:

1. REF. ISO'S 5-00788 REV.0 & 5-00786 REV.0

2. PIPE SUPPORT NUMBERS PRECEDED BY P4I-SDG.

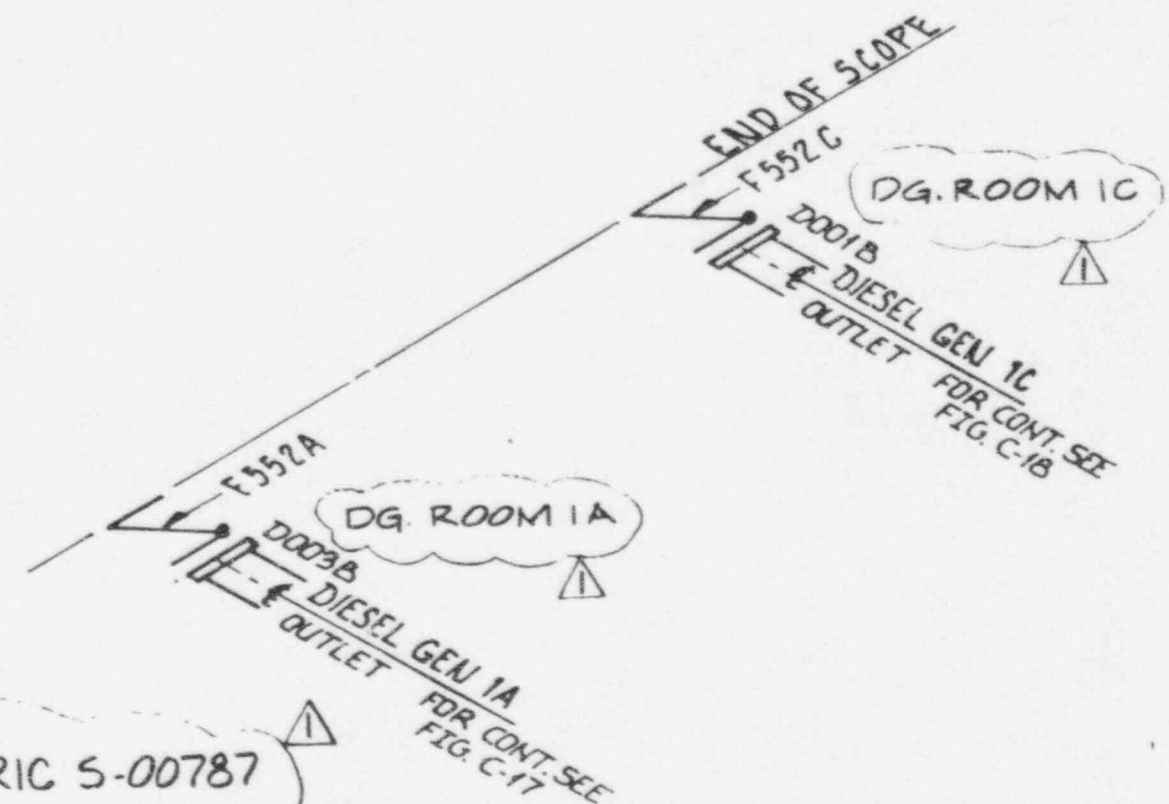
3. POSSIBLE INACCESSIBLE WELD TO PIPE.

(LINE WALKED DOWN IN 1991)

REV	DATE	BY	CHK'D	APPR 1
1	3-16-92	WGS	W9	WIC
0	12/7/87	SDH	CWD	MB

FIGURE C-19

SERVICE WATER SYSTEM TO
 DIESEL GENERATOR INLETS
 HATCH 1 CLASS 3
 LOCATION: DIESEL GENERATOR BLDG

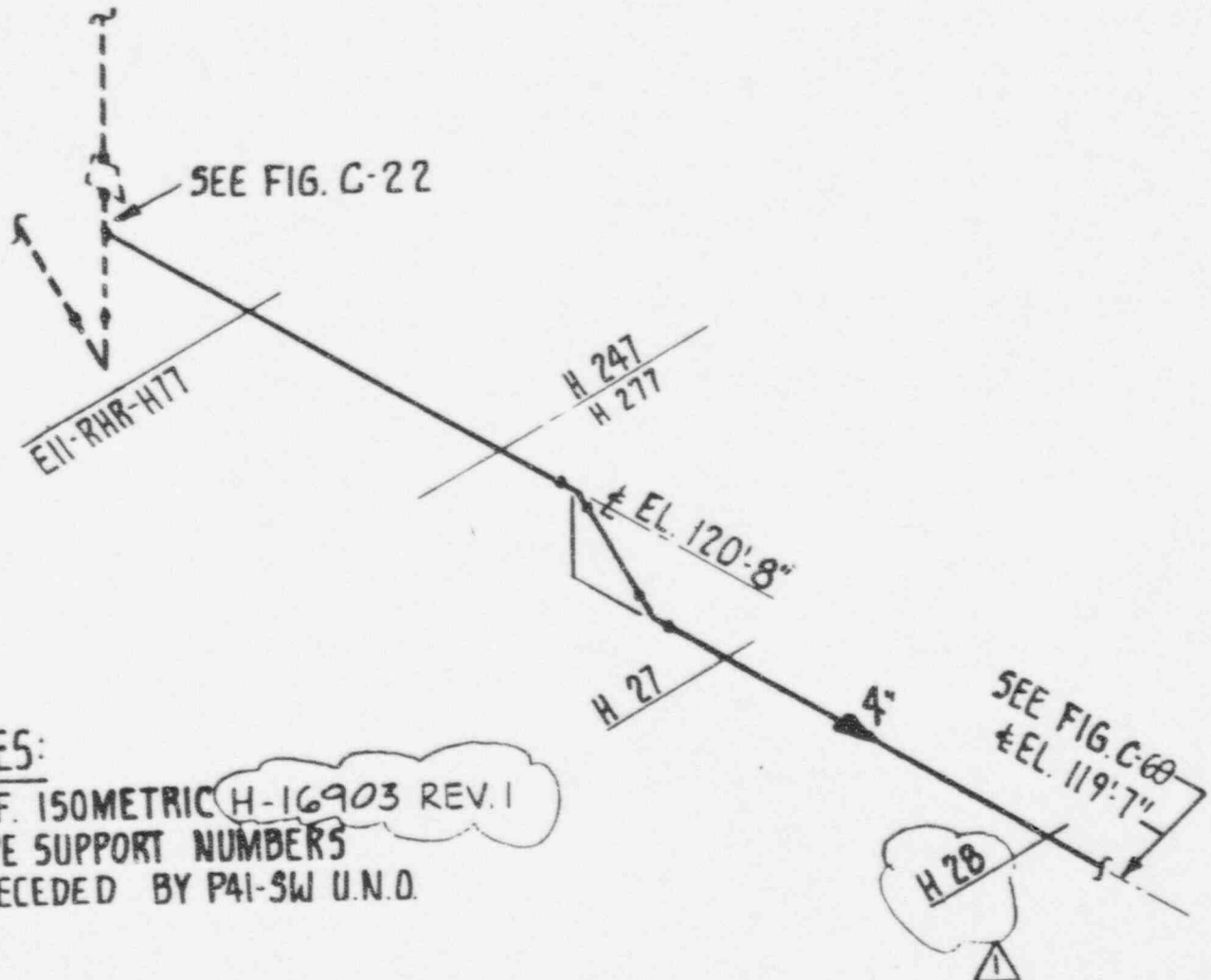
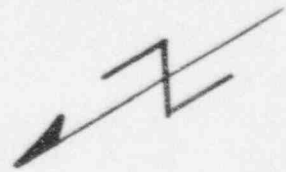


NOTE:
 REF. FAB. ISOMETRIC S-00787
 REV. A.

FIGURE C-20

SERVICE WATER SYSTEM TO
 DIESEL GENERATOR OUTLETS
 HATCH 1 CLASS 3
 LOCATION: DIESEL GENERATOR BLDG.

1	3-16-92	WGS	WS	WIC
0	8/7/92	SDH	CVD	MB
REV	DATE	BY	CHK'D	APP'R



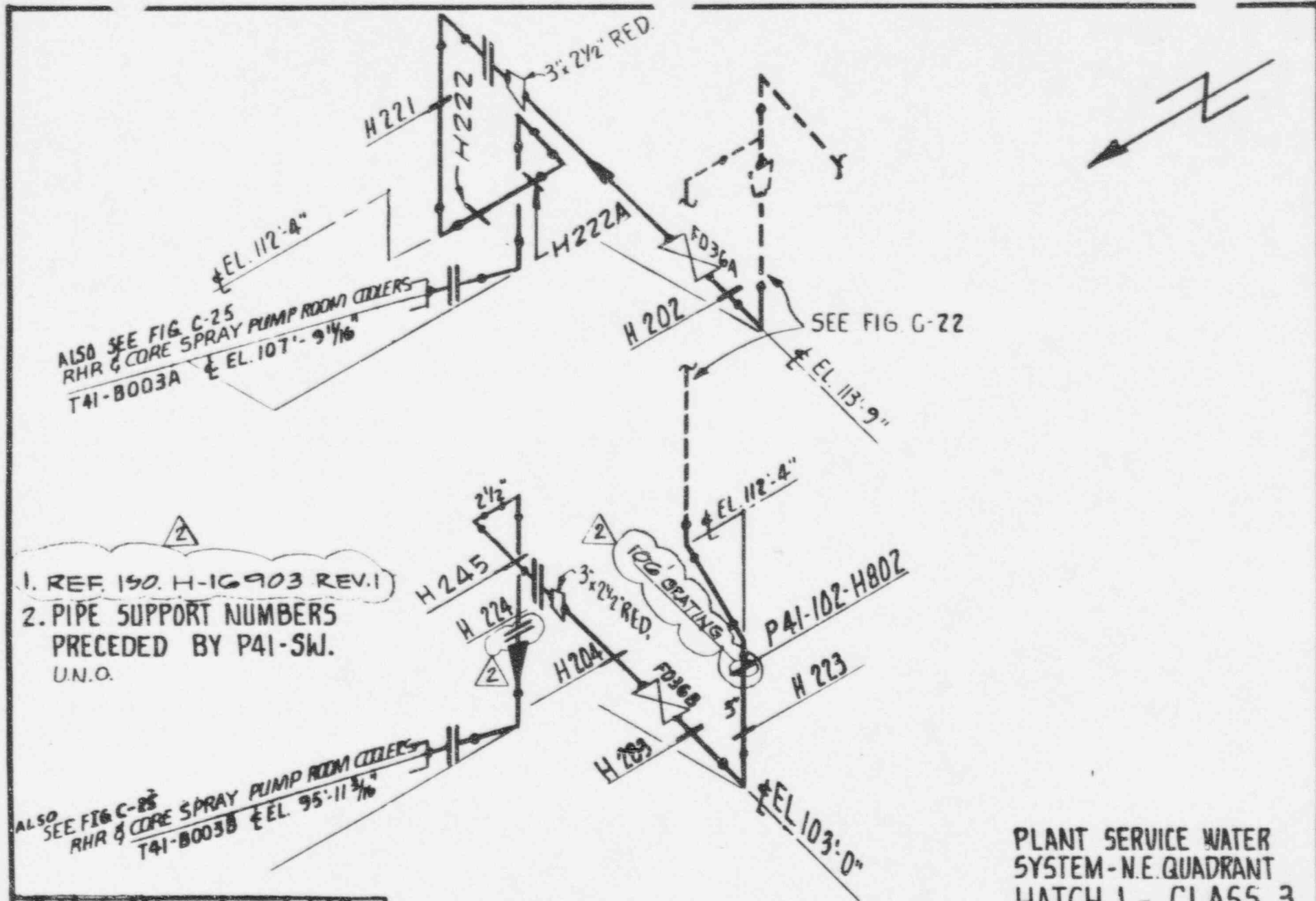
NOTES:

- 1. REF. ISOMETRIC H-16903 REV. 1
- 2. PIPE SUPPORT NUMBERS PRECEDED BY PAI-SW U.N.O.

FIGURE C-23

PLANT SERVICE WATER SYSTEM - N.E. QUADRANT
HATCH 1 - CLASS 3
LOCATION: TORUS

REV.	DATE	BY	CHK'D	APPR. 1
	3-16-92	WGS	WS	WC
0	4/7/87	MAC	CLD	MB



ALSO SEE FIG. C-25
 RHR & CORE SPRAY PUMP ROOM COOLERS
 T41-B003A

SEE FIG. C-22

- 1. REF. ISO. H-16903 REV.1
- 2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW. U.N.O.

ALSO SEE FIG. C-25
 RHR & CORE SPRAY PUMP ROOM COOLERS
 T41-B003B

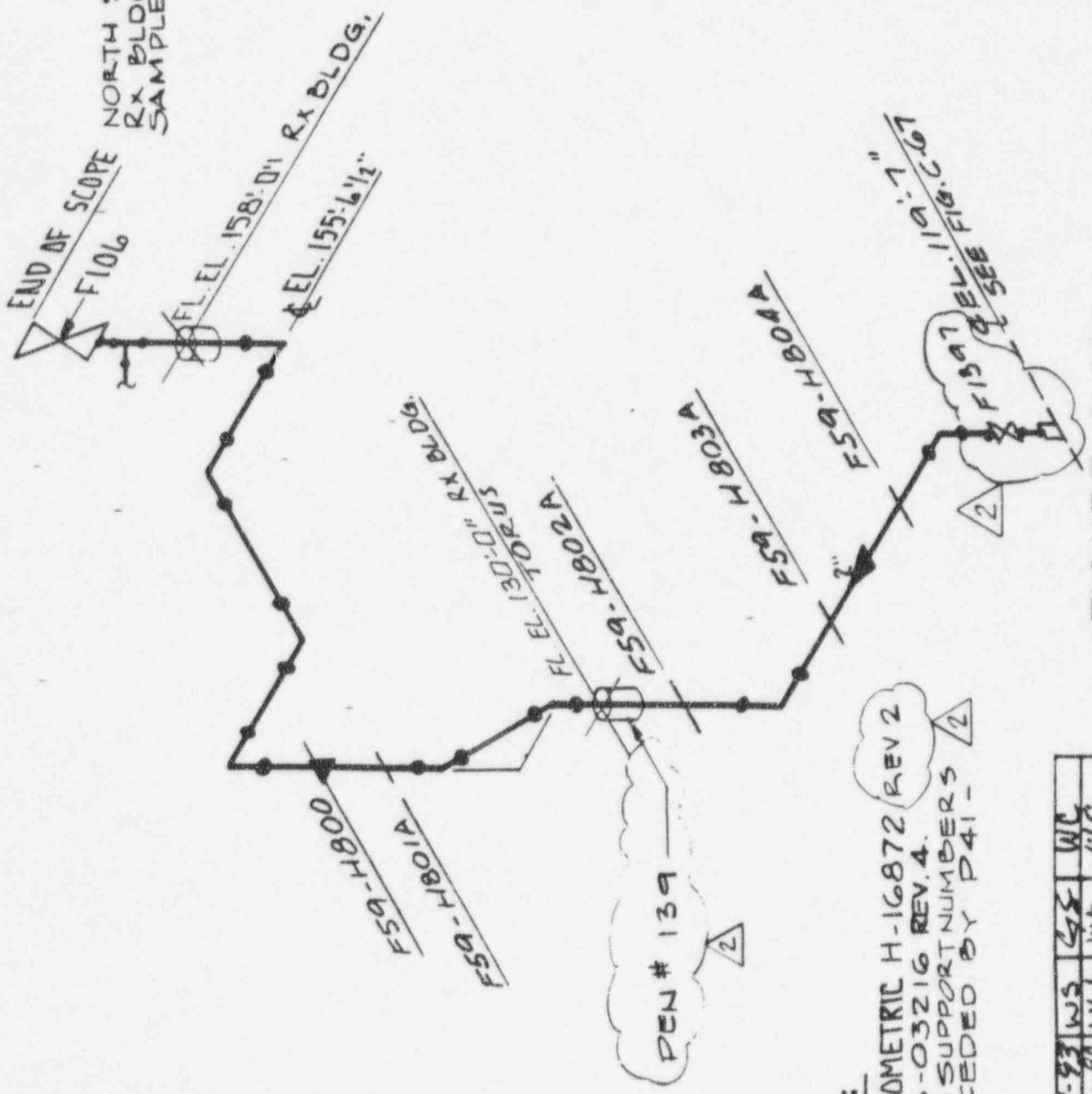
PLANT SERVICE WATER
 SYSTEM - N.E. QUADRANT
 HATCH 1 - CLASS 3
 LOCATION: NE DIAGONAL

FIGURE C-24

2	3-16-92	WGS	WS	WC
1	1/25/89	WS	BGS	KLD
0	8/7/87	MAC		MB
REV.	DATE	BY	CHK'D	APP'R



END OF SCOPE
F106
NORTH SIDE
RX BLDG. BEHIND
SAMPLE PANEL.



NOTES:

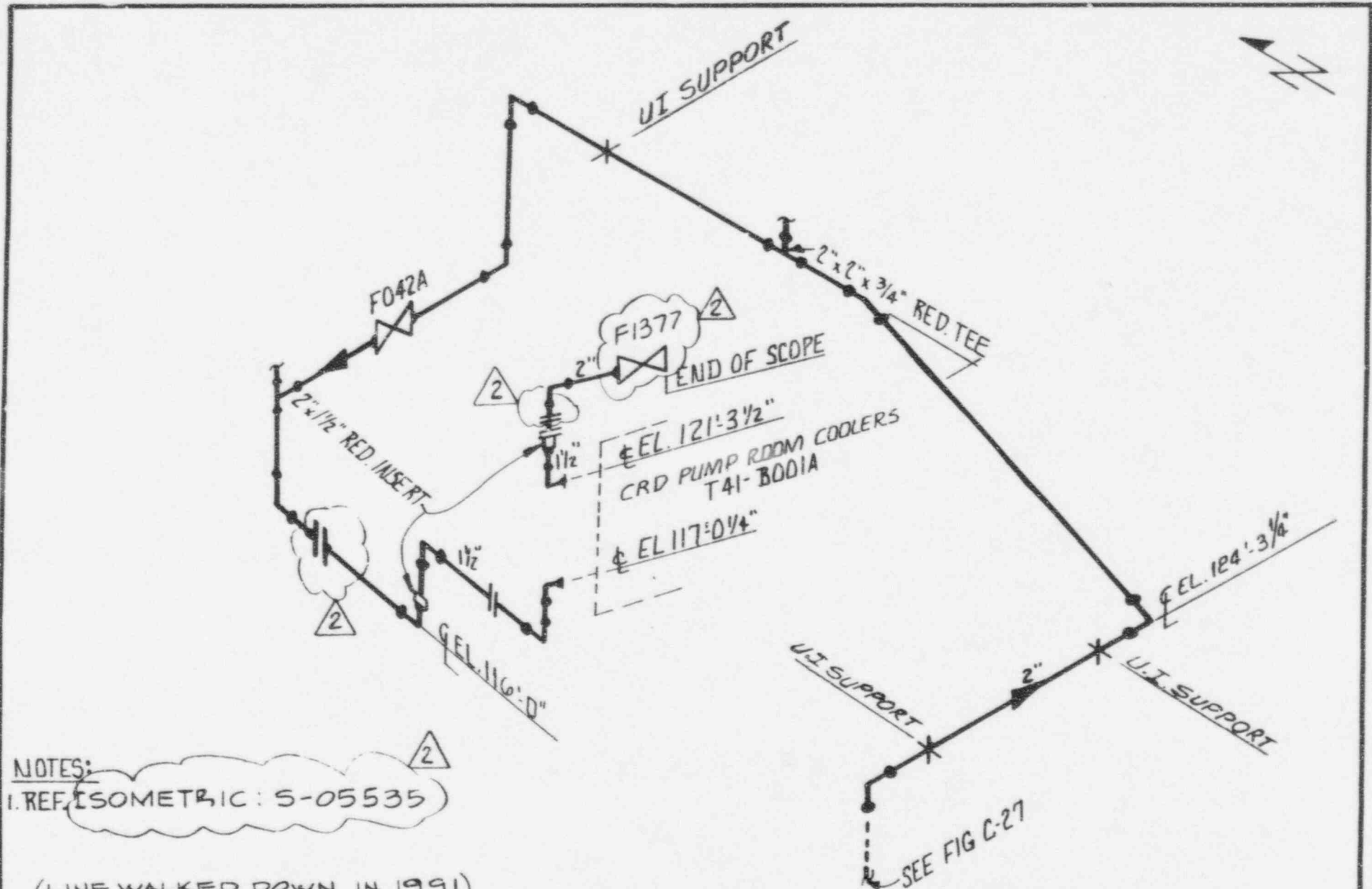
1. REF. ISOMETRIC H-16872 REV. 2 AND S-03216 REV. 4.
2. PIPE SUPPORT NUMBERS PRECEDED BY P41 -

INSULATED

PLANT SERVICE WATER SYSTEM
HATCH 1 CLASS 3
LOCATION: RX BLDG & TORUS

FIGURE C-26

REV	DATE	BY	CHKD	APPR
2	2-11-93	WS	CS	WC
1	3-19-92	WS	WS	WC
0	8/7/87	SDH	CYP	MB



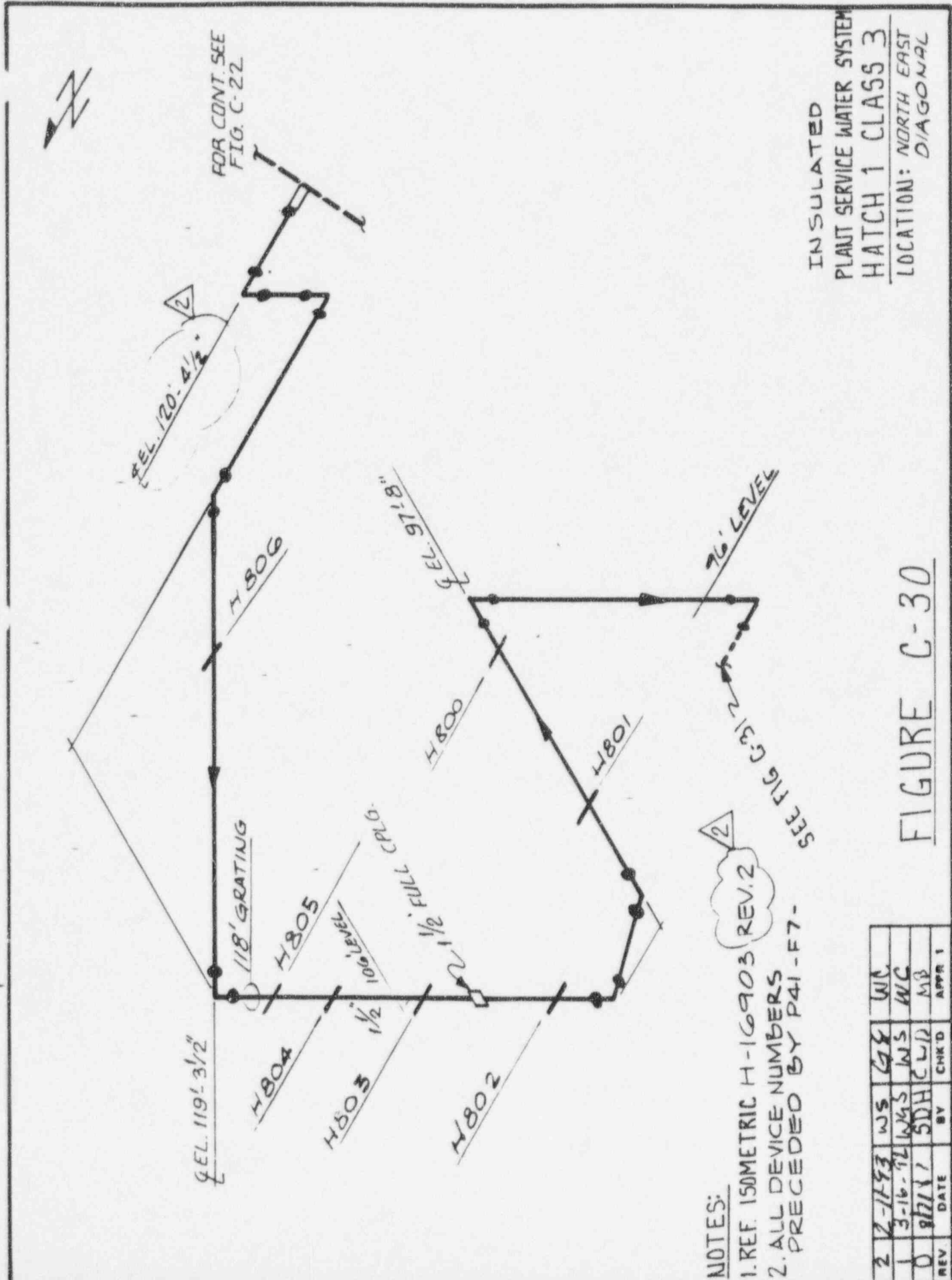
NOTES: 2
 1. REF. ISOMETRIC: S-05535

(LINE WALKED DOWN IN 1991)

2	2-11-93	WS	GS	WC
1	3-16-92	WGS	WS	WC
0	8/7/89	SDH	GVJ	MB
REV	DATE	BY	CHKD	APPR 1

FIGURE C-28

INSULATED
 PLANT SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION: N.W. DIAGONAL



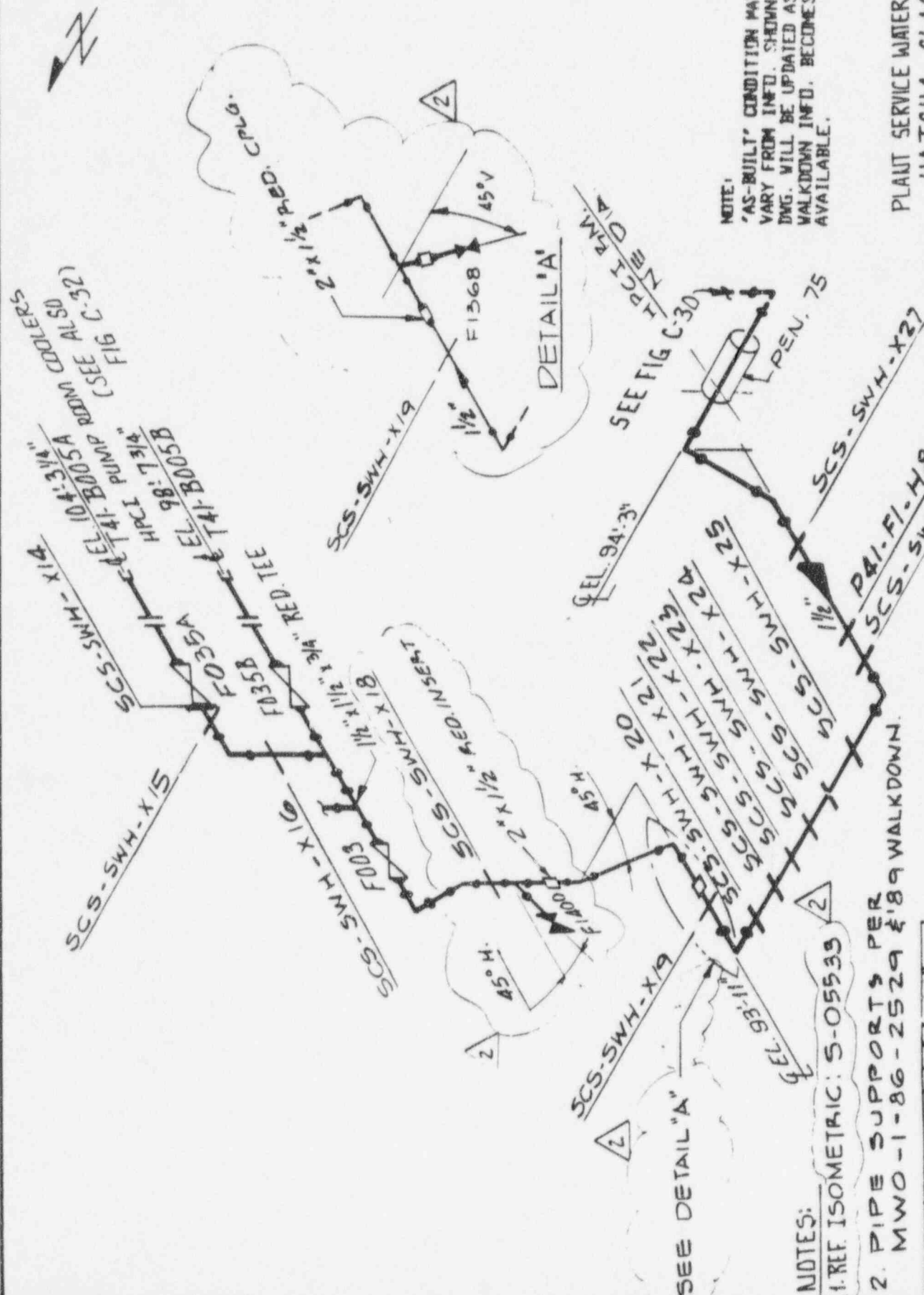
INSULATED
 PLANT SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION: NORTH EAST
 DIAGONAL

SEE FIG C-31-2

NOTES:
 1. REF. ISOMETRIC H-16903 REV.2
 2. ALL DEVICE NUMBERS
 PRECEDED BY P41-F7-

FIGURE C-30

REV	DATE	BY	CHK'D	APPR 1
2	2-17-93	WS	GS	WC
1	3-16-92	WKS	WS	WC
0	9/21/91	SDH	CLD	MB



NOTE:
 'AS-BUILT' CONDITION MAY VARY FROM INFO. SHOWN. DWG. WILL BE UPDATED AS WALKDOWN INFO. BECOMES AVAILABLE.

PLAUT SERVICE WATER SYS.
 HATCH 1 CLASS 3
 LOCATION: HPCI ROOM
 & N.E. DIAGONAL

SCS-SWH-X14
 EL. 104.31A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X15
 EL. 104.31A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X16
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X17
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X18
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X19
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X20
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X21
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X22
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X23
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X24
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X25
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X26
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X27
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X28
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X29
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X30
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X31
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X15
 EL. 104.31A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X16
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X17
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X18
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X19
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X20
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X21
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X22
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X15
 EL. 104.31A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X16
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X17
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X18
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X19
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X20
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X21
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X22
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X15
 EL. 104.31A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X16
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X17
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X18
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X19
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X20
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X21
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X22
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X15
 EL. 104.31A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X16
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X17
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X18
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X19
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X20
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X21
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X22
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X15
 EL. 104.31A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X16
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X17
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X18
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X19
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X20
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X21
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

SCS-SWH-X22
 EL. 98.73A
 HPCI PUMP ROOM COOLERS (SEE FIG. C-32)

FIGURE C-31

NOTES:
 1. REF. ISOMETRIC: S-05533

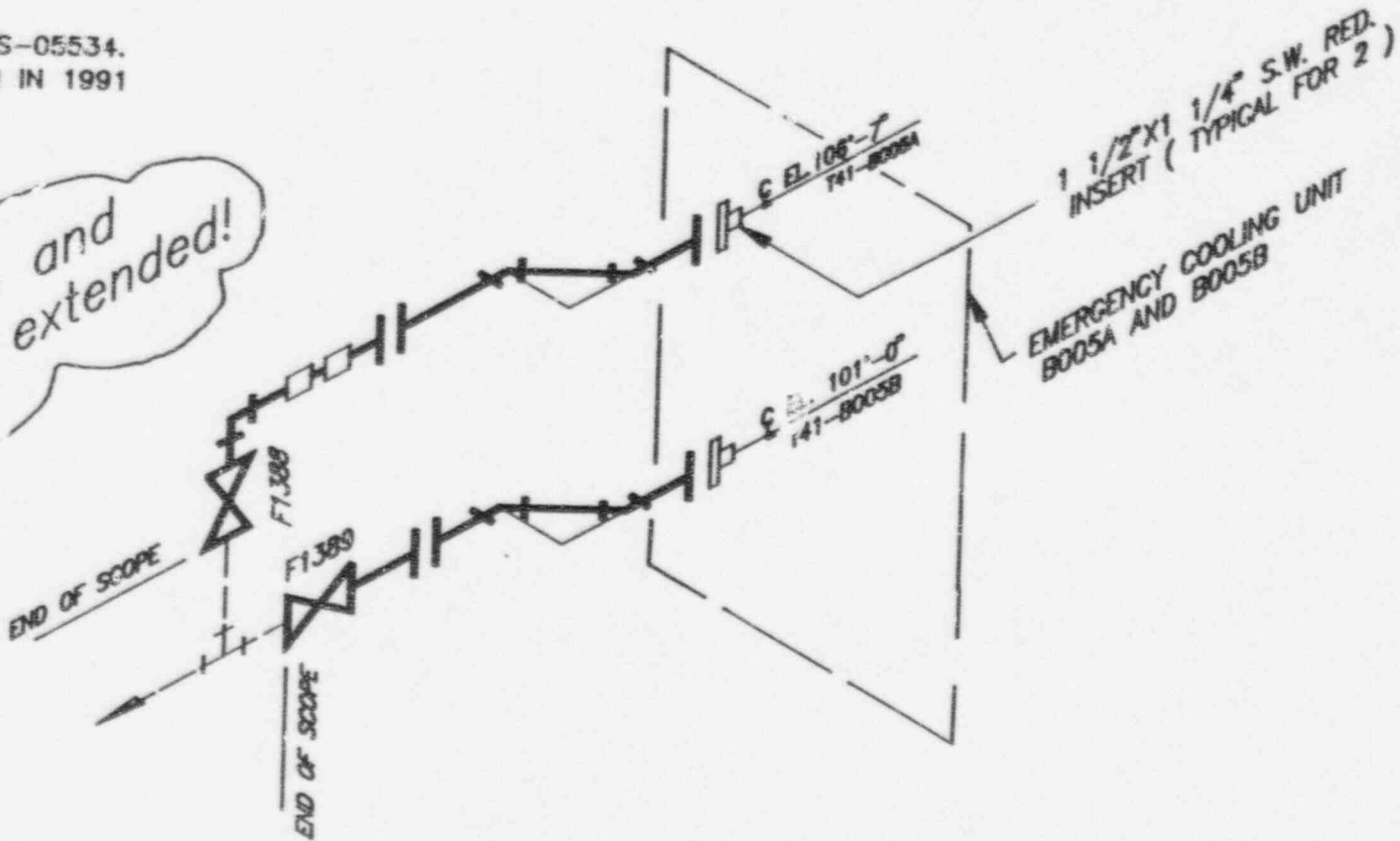
2. PIPE SUPPORTS PER MWO-1-86-2529 & 89 WALKDOWN.

REV	DATE	BY	CHKD	APPR
2	2-11-93	WS	WS	WLC
1	3-16-92	WS	WS	WLC
0	8/7/82	SDH	C-D	MB

NOTES

1. REF. STRESS ISO. S-05534.
2. LINE WALKED DOWN IN 1991

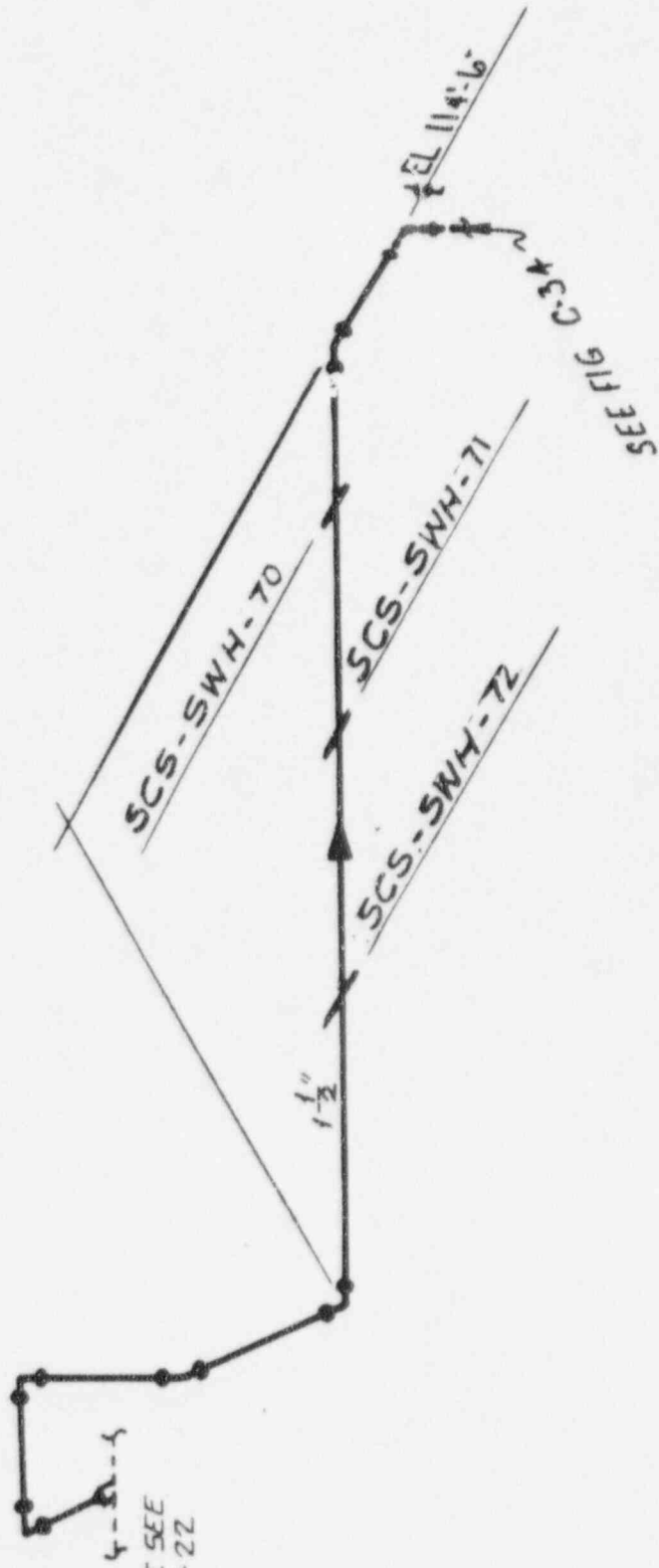
redrawn and
scope extended!



2	2-15-93	WS	<i>CJS</i>	<i>WC</i>
1	3-16-92	WGS	WS	WC
0	8-7-87	SDH	CWD	MB
REV	DATE	BY	CHK'D	APPR 1

FIGURE C-32

PLANT SERVICE WATER SYSTEM
HATCH 1 CLASS 3
 LOCATION: HPCI PUMP ROOM



FOR CONT. SEE
FIG. C-22

NOTES:

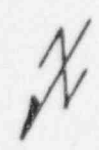
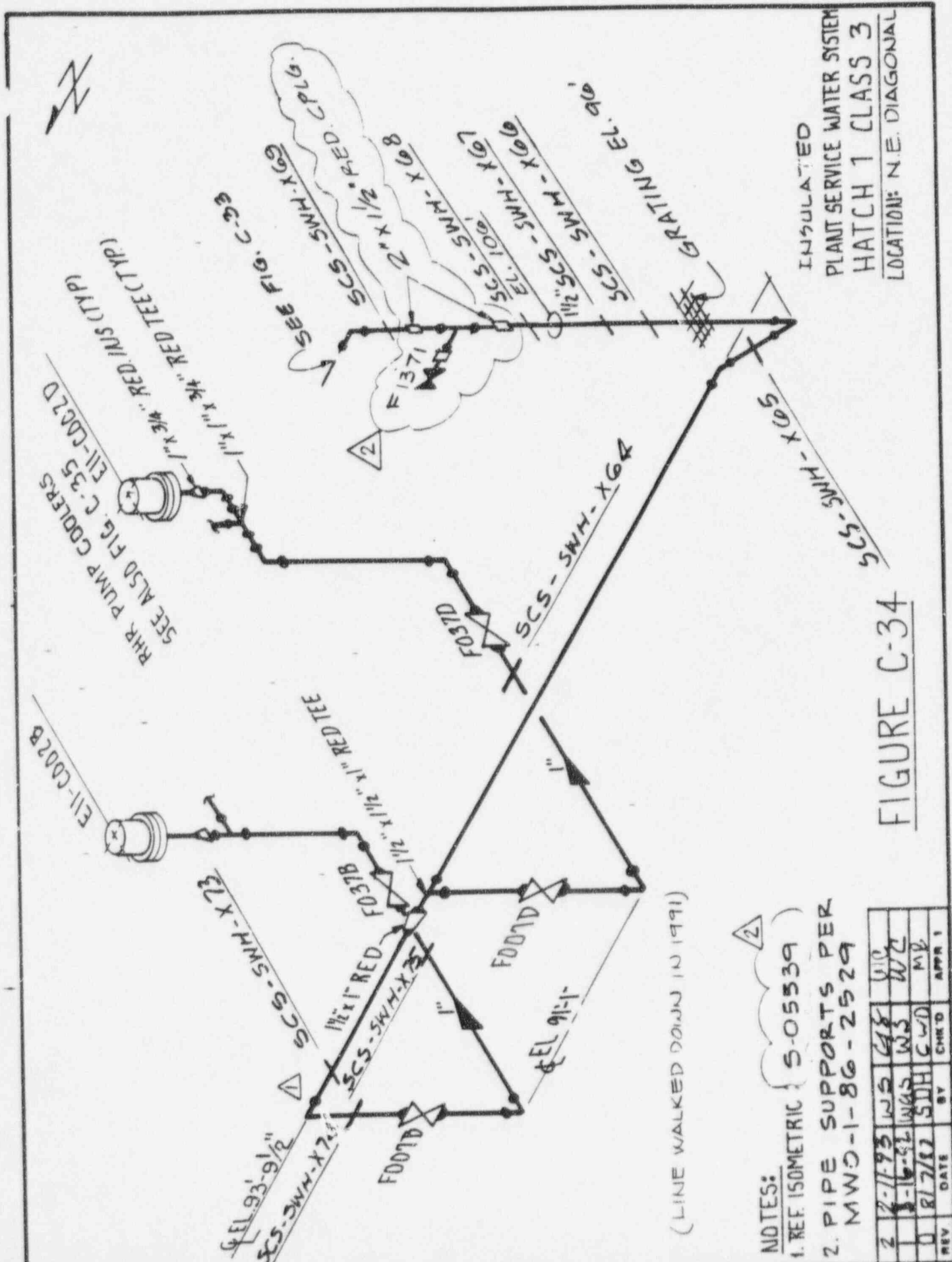
- 1. REF. BOUNDARY DIAGRAM ID-P41-1
- 2. REF. ISOMETRIC S-05552 REV. 0
- 3. ALL DEVICE NUMBERS PRECEDED BY-P41-

(LINE WALKED DOWN IN 1991)

REV	DATE	BY	CHK'D	APPR 1
2	10/2/59	WS	RLP	MJ
1	3/7/59	WS	ELD	MJ
3	3-14-91	WAS	WS	WJC

INSULATED EL. LOG.
PLANT SERVICE WATER SYSTEM
HATCH 1 CLASS 3
LOCATION: N.E. DIAG.

FIGURE C-33



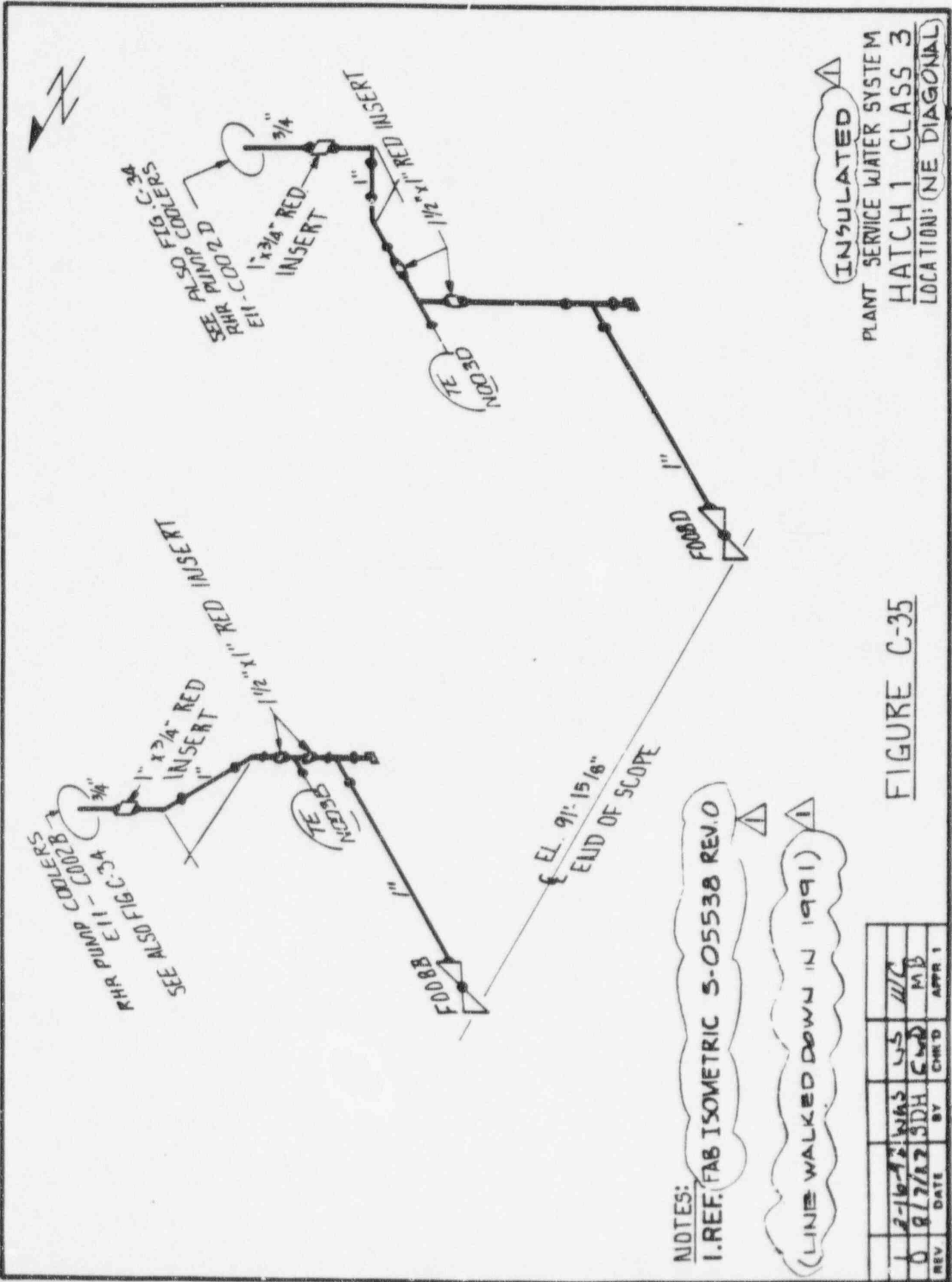
INSULATED
 PLANT SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION: N.E. DIAGONAL

FIGURE C-34

(LINE WALKED DOWN IN 1991)

- NOTES:
1. REF. ISOMETRIC S-05539
 2. PIPE SUPPORTS PER MWD-1-86-2529

REV	DATE	BY	CHKD	APPR
2	2-11-93	WS	CS	WJ
1	8-16-92	WAS	WS	WJ
0	8/7/87	SH	GW	MB



INSULATED
 PLANT SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION: (NE DIAGONAL)

FIGURE C-35

NOTES:
 I. REF. FAB ISOMETRIC 5-05538 REV. 0
 (LINE WALKED DOWN IN 1991)

REV	DATE	BY	CHK'D	APPR 1
1	8-16-72	WAS	LS	WLC
0	8/7/87	SDH	CMB	MB

EL. 91'-15 1/8"
 END OF SCOPE

SEE ALSO FIG. C-34
 RHR PUMP COOLERS
 E11-C00228

SEE ALSO FIG. C-34
 RHR PUMP COOLERS
 E11-C00228

SEE ALSO FIG. C-34
 RHR PUMP COOLERS
 E11-C00228

1" x 3/4" RED INSERT
 1" x 1/2" RED INSERT

1" x 3/4" RED INSERT
 3/4"

1 1/2" x 1" RED INSERT

F008B

1"

TE NEEDS

1 1/2" x 1" RED INSERT

1"

F008D

1"

F008D

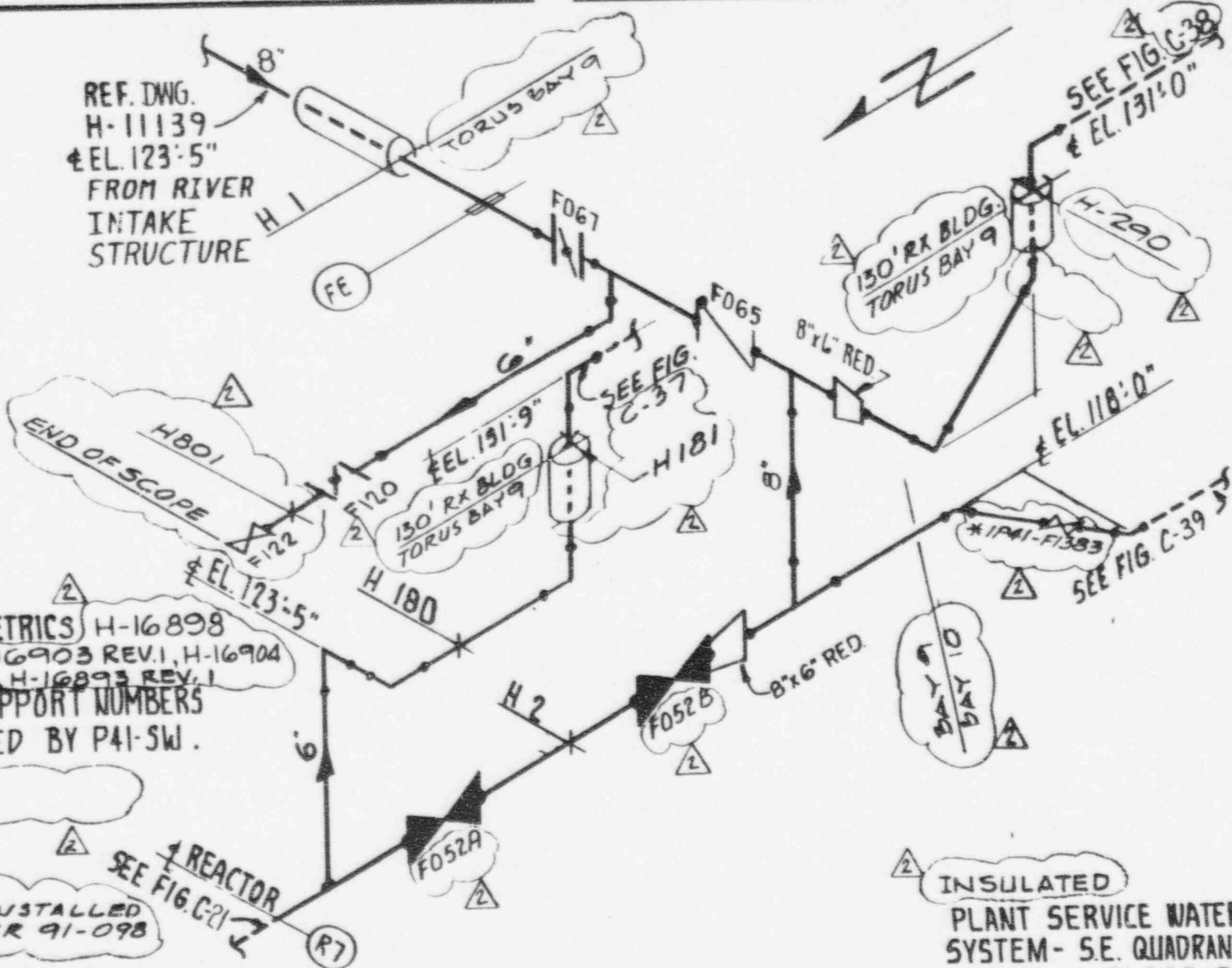
1"

F008D

1"

F008D

REF. DWG.
H-11139
EL. 123'-5"
FROM RIVER
INTAKE
STRUCTURE



NOTES:

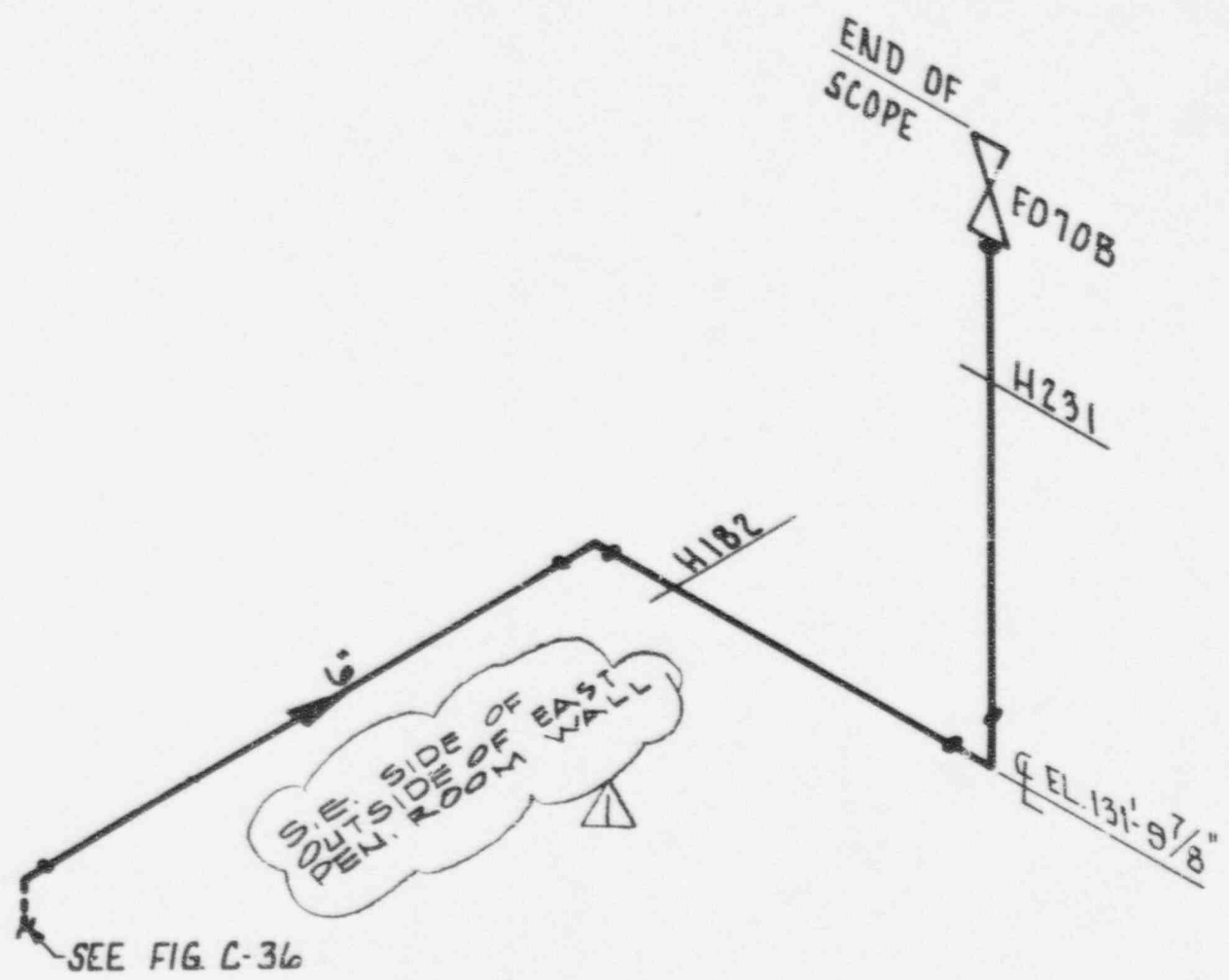
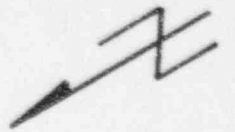
1. REF. ISOMETRICS H-16898
(REV. 2, H-16903 REV. 1, H-16904
REV. 2, H-16893 REV. 1)
2. PIPE SUPPORT NUMBERS
PRECEDED BY P41-SW.

* VALVE INSTALLED
DER OCR 91-098

INSULATED
PLANT SERVICE WATER
SYSTEM - S.E. QUADRANT
HATCH I-CLASS 3
LOCATION: TORUS & RX BLDG 130

2	3-16-92	WMS	WS	WHC
1	9/30/88	WS	RLD	WHC
0	8/7/87	MAG	CVD	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE C-36



NOTES:

1. REF. ISOMETRIC H-16898 REV. 2
2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW.

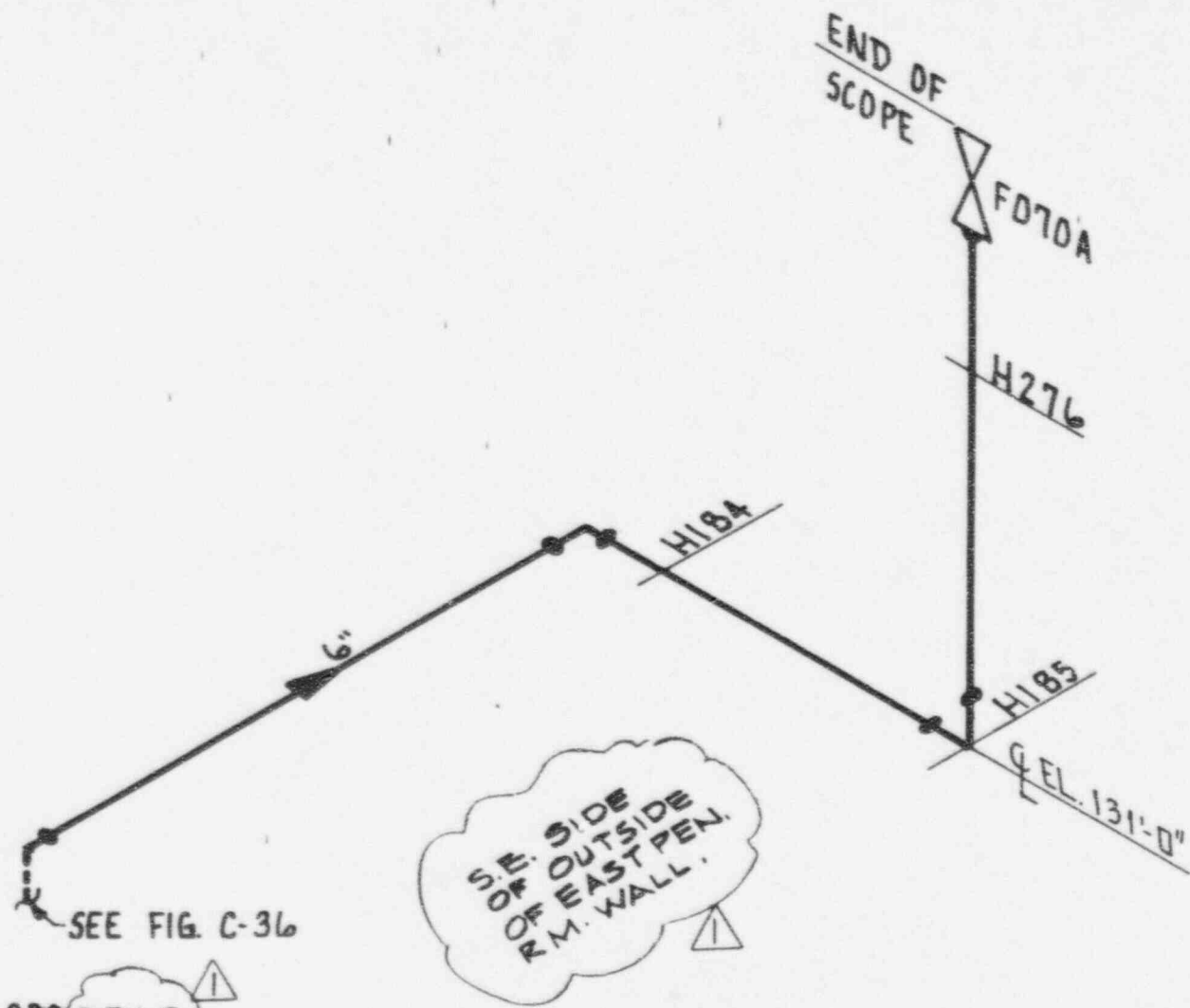
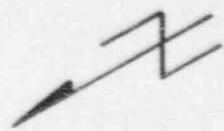
INSULATED

PLANT SERVICE WATER SYSTEM - S.E. QUADRANT
HATCH 1 - CLASS 3

LOCATION: REACTOR BLDG. (130')

FIGURE C-37

REV.	DATE	BY	CHK'D	APPR. 1
1	8-16-92	W45	WS	WC
0	8-7-87	SDH	BK-	MB



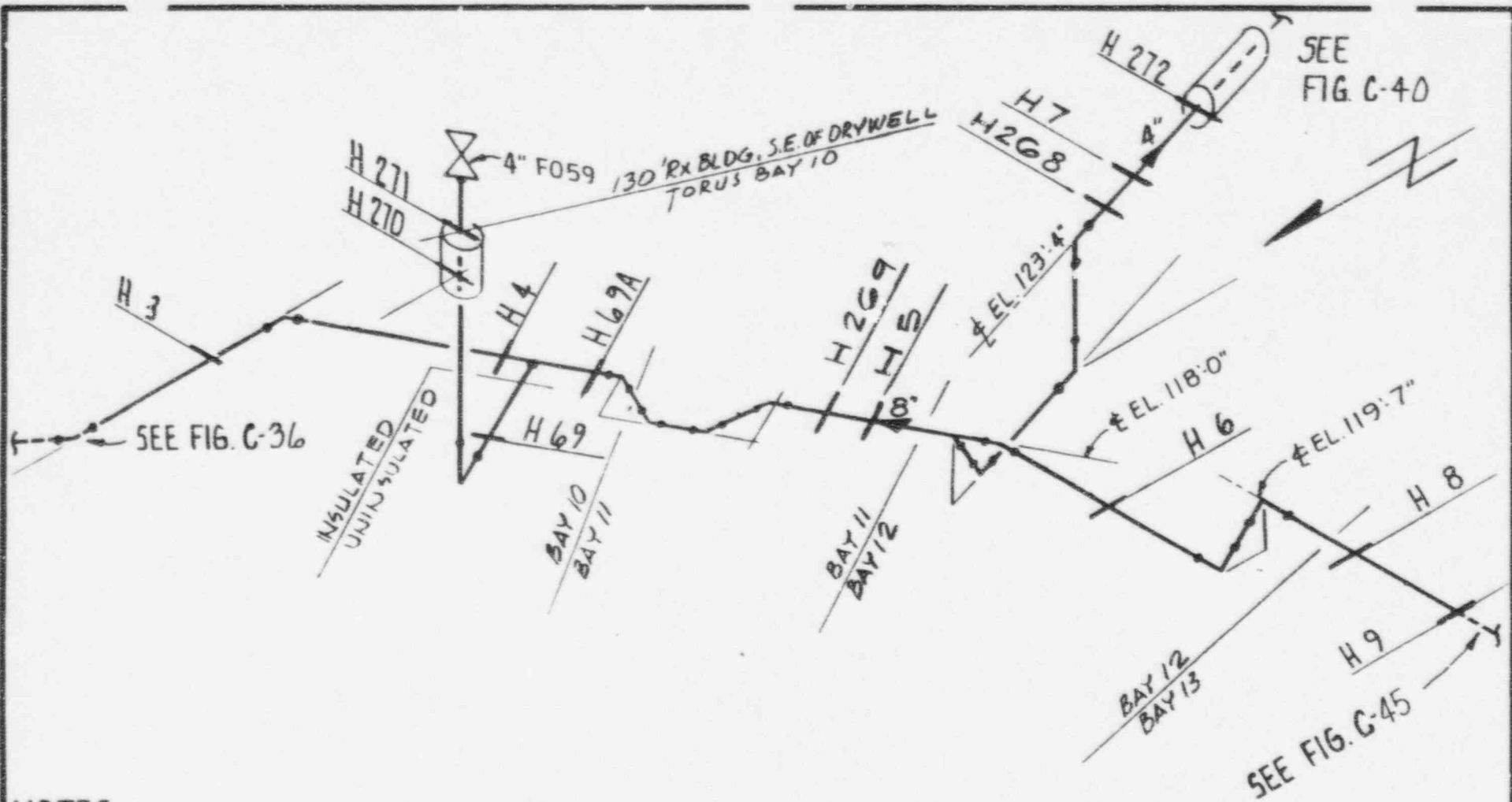
NOTES:

1. REF. ISOMETRIC H-16898 REV. 2
2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW.

FIGURE C-38

PLANT SERVICE WATER SYSTEM - S.E. QUADRANT
HATCH 1 - CLASS 3
 LOCATION: REACTOR BLDG-130

1	3-16-92	WGS	WS	WC
0	8/2/82	SDH	CWP	MP
REV.	DATE	BY	CHK'D	APPR 1



NOTES

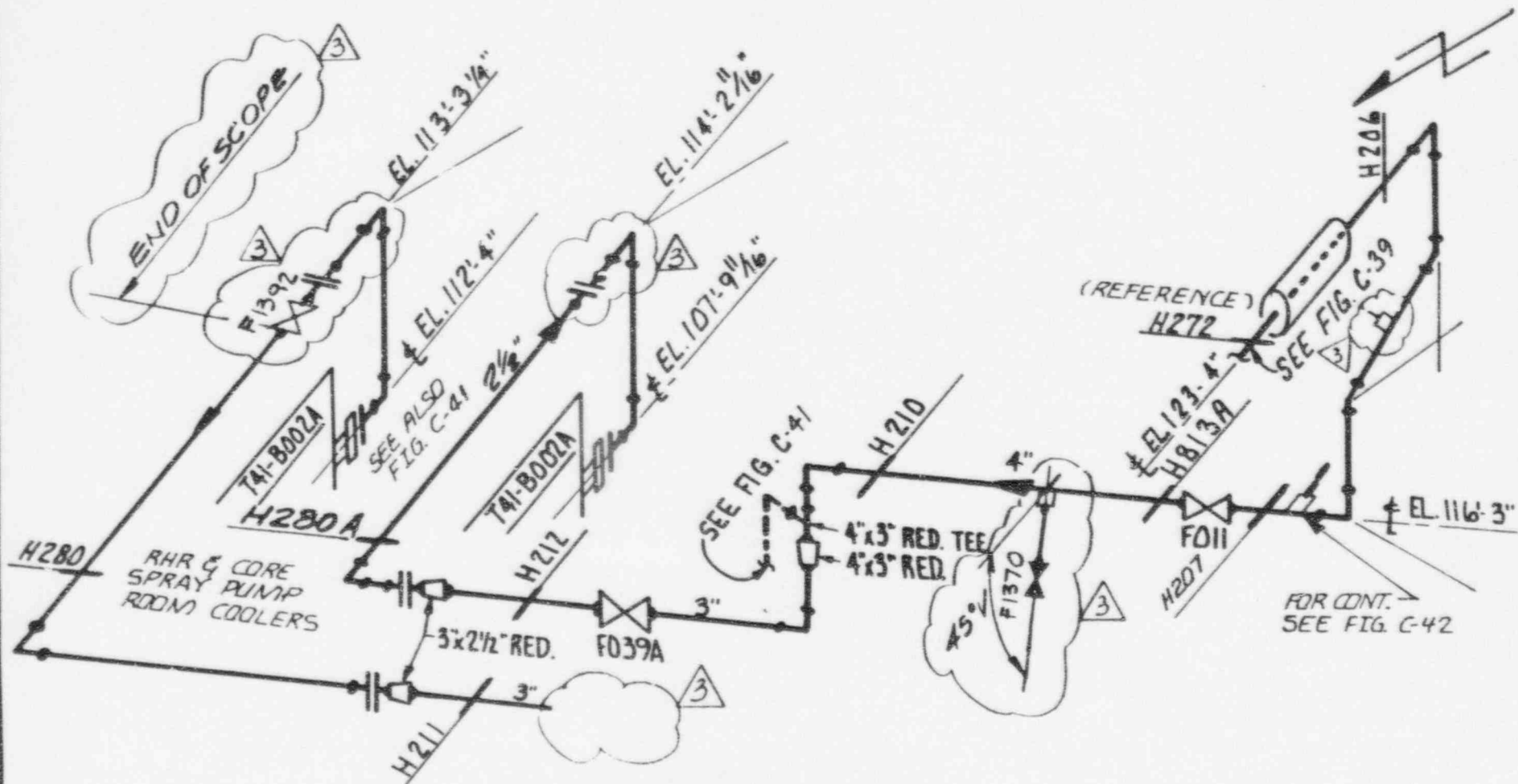
1. REF. ISOMETRIC: H-16904 REV. 3
2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW.



PLANT SERVICE WATER
 SYSTEM - SE. QUADRANT
 HATCH 1 - CLASS 3
 LOCATION: REACTOR BLDG. &
 TORUS

FIGURE C-39

2	3-16-92	NGS	WS	WC
1	8/10/89	WS	...	17B
3	2-11-93	WS	...	WC
REV.	DATE	BY	CHK'D	APPR. 1



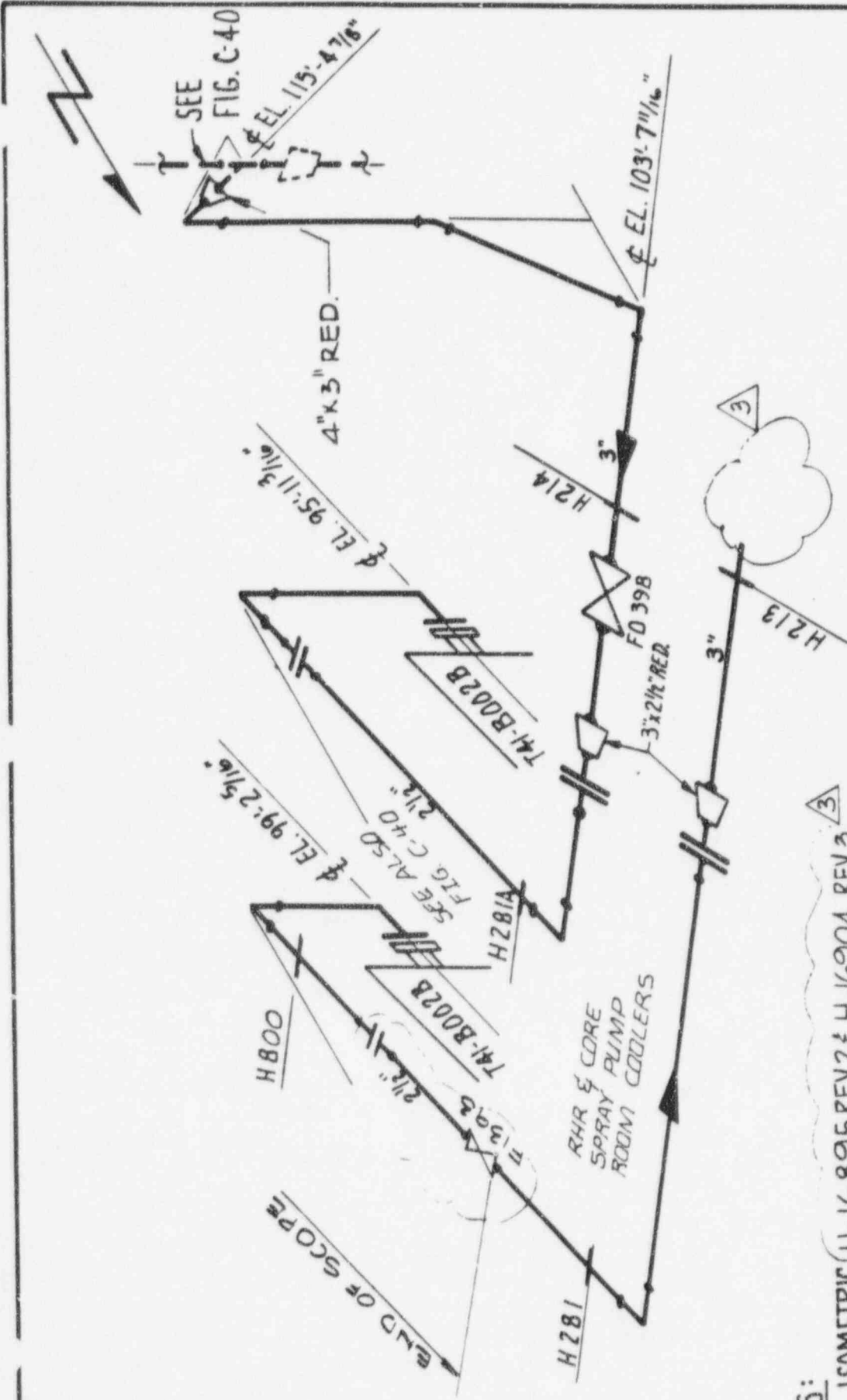
NOTES:

- 1. REF. ISOMETRIC: H-16895 REV. 2 & H-16904 REV. 3
- 2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW.

FIGURE C-40

PLANT SERVICE WATER SYSTEM - S.E. QUADRANT HATCH 1 - CLASS 3
 LOCATION: S.E. DIAGONAL

2	3-16-92	WCS	WS	WC
1	3/10/83	WS	RLD	MB
3	2-11-93	WS	GS	WC
REV.	DATE	BY	CHK'D	APPR 1

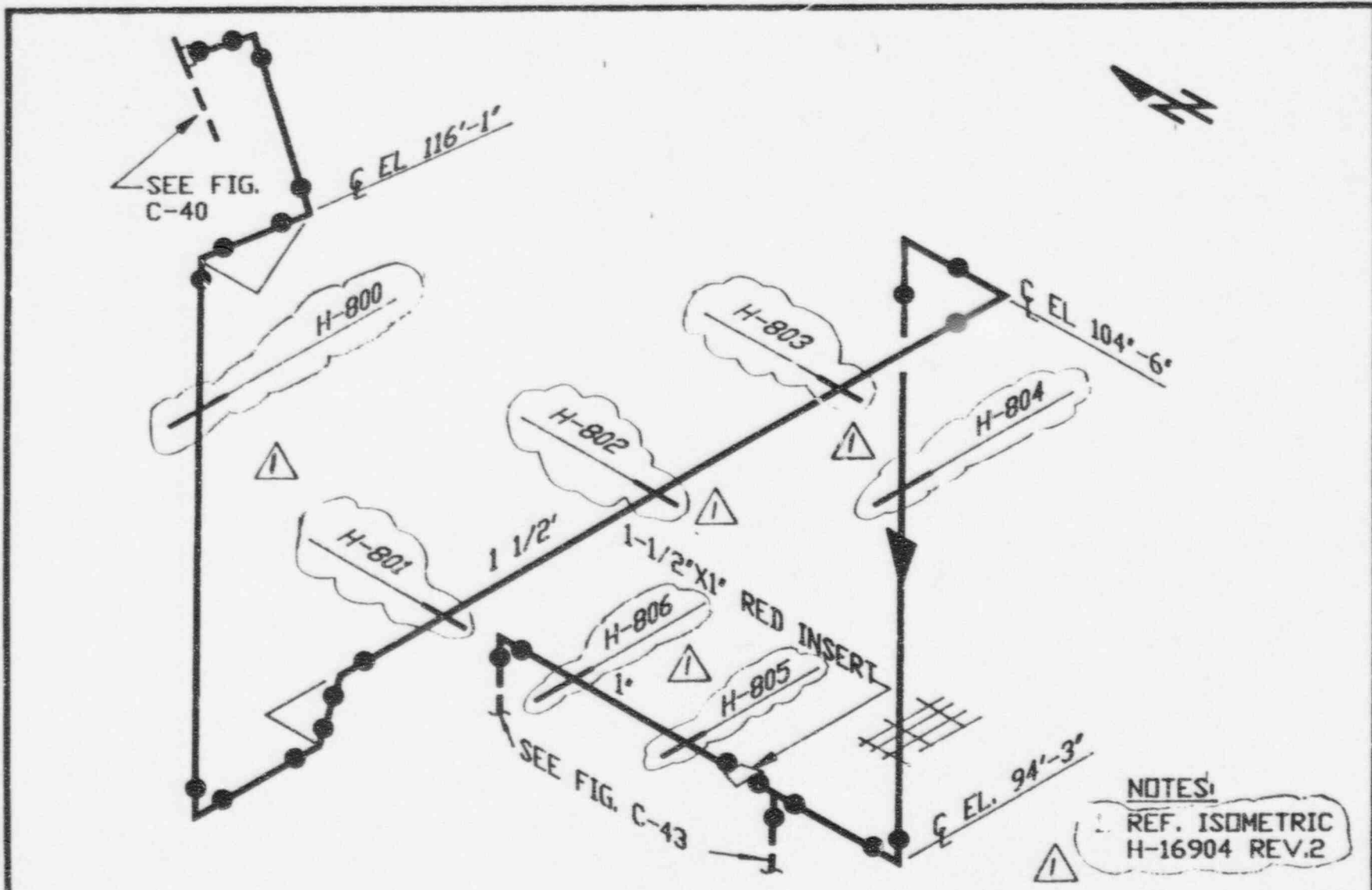


NOTES:
 1. REF. ISOMETRIC H-16895, REV 2 & H-16904, REV 3
 2. PIPE SUPPORT NUMBERS PRECEDED BY PAI-SWJ.

REV	DATE	BY	CHKD	APPR 1
2	3-16-92	WGS	W3	WJ
1	10/16/84	W3	RLD	MB
3	2-11-93	W3	CS	WJ

FIGURE - C41

PLANT SERVICE WATER
 SYSTEM - S.E. QUADRANT
HATCH I - CLASS 3
 LOCATION: S.E. DIAGONAL

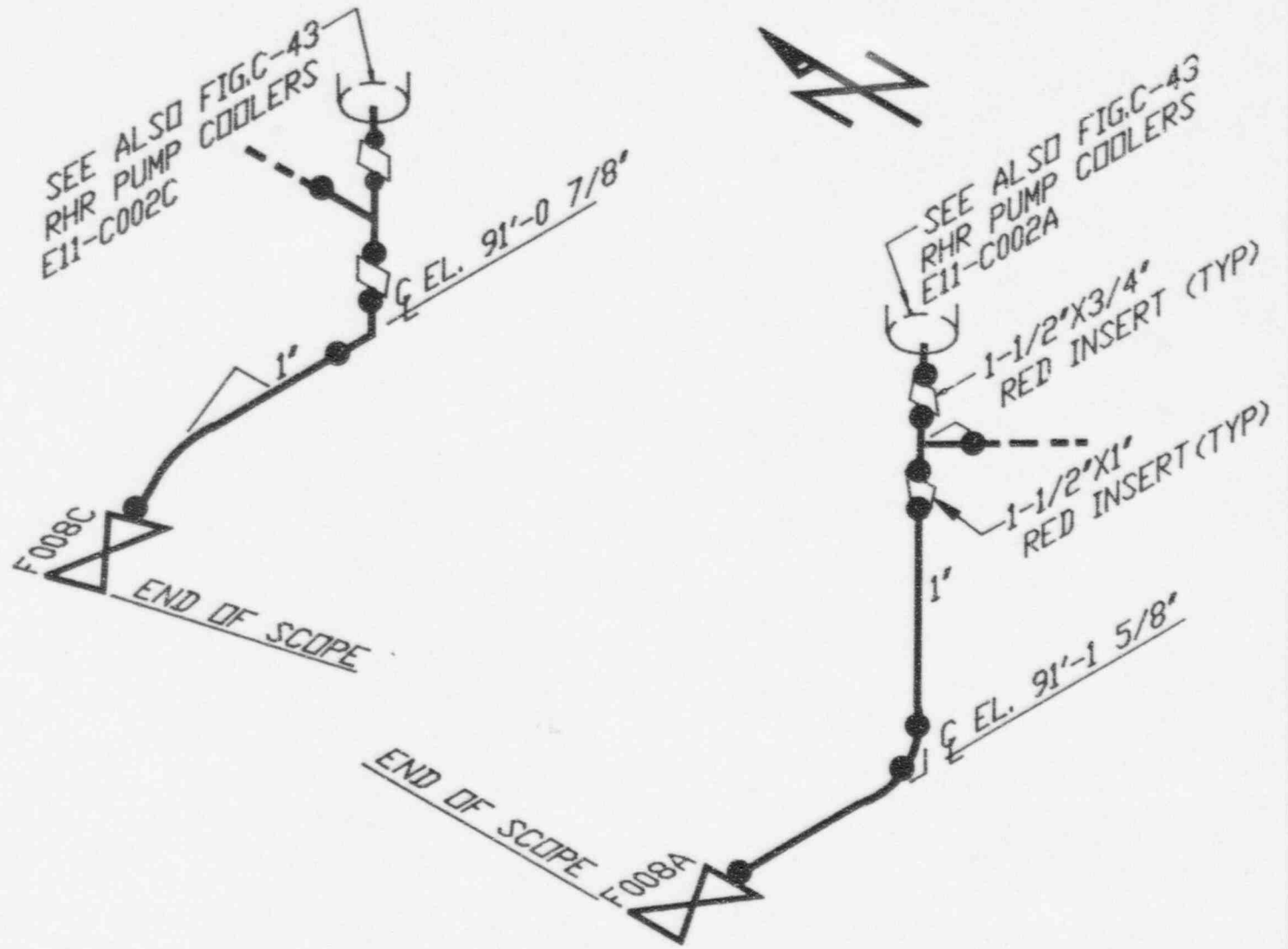


NOTES:
 1. REF. ISOMETRIC H-16904 REV.2

1	3-16-79	WGS	WS	WIC
0	8/7/89	SDH	CVD	MB
REV	DATE	BY	CHK'D	APPR. 1

FIGURE C-42

PLANT SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION: (SE DIA.)



NOTES:

1. REFERENCE ISO. H-16895 REV. 2

2	2-16-93	CS	WS	JWC
1	3-18-92	GS	WS	WHC
0	8-7-87	SDH	CWD	MB
REV	DATE	BY	CHK'D	APPR. 1

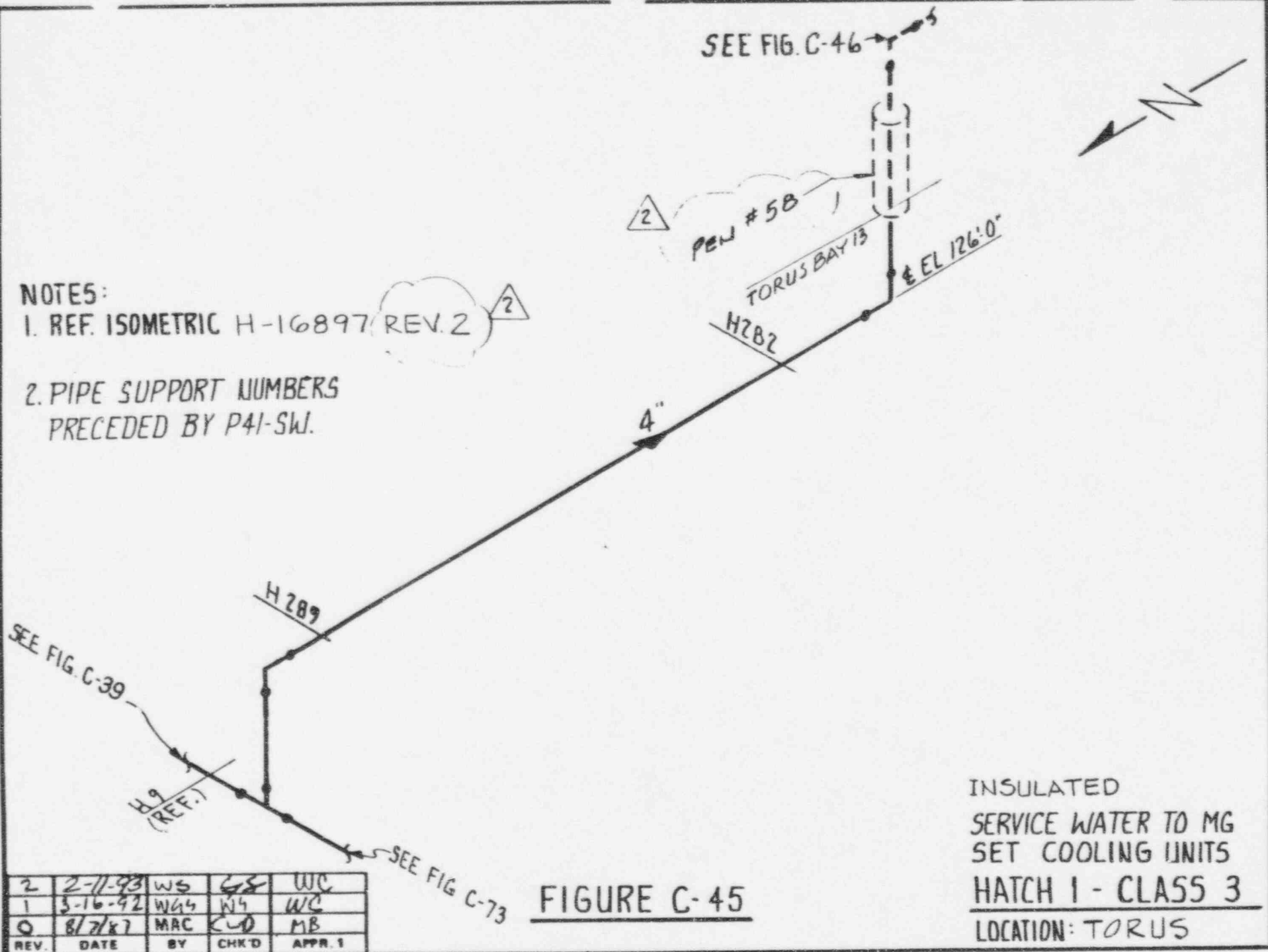
FIGURE C-44

PLANT SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION: SE DIA.

NOTES:

1. REF. ISOMETRIC H-16897 REV. 2

2. PIPE SUPPORT NUMBERS
PRECEDED BY P41-SW.

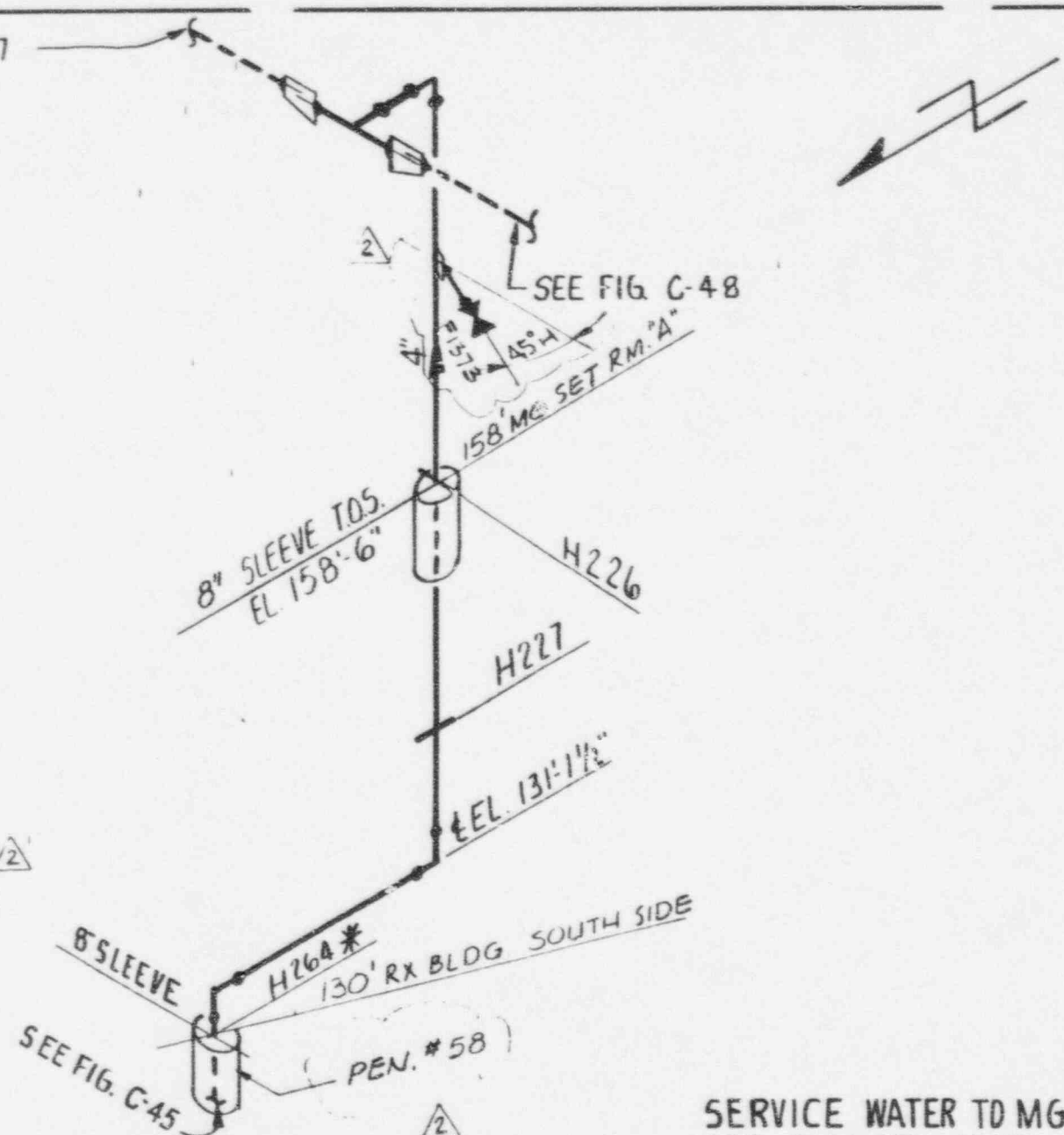


2	2-11-93	WS	GS	WC
1	3-16-92	W44	W4	WC
0	8/7/87	MAC	CD	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE C-45

INSULATED
SERVICE WATER TO MG
SET COOLING UNITS
HATCH 1 - CLASS 3
LOCATION: TORUS

SEE FIG. C-47



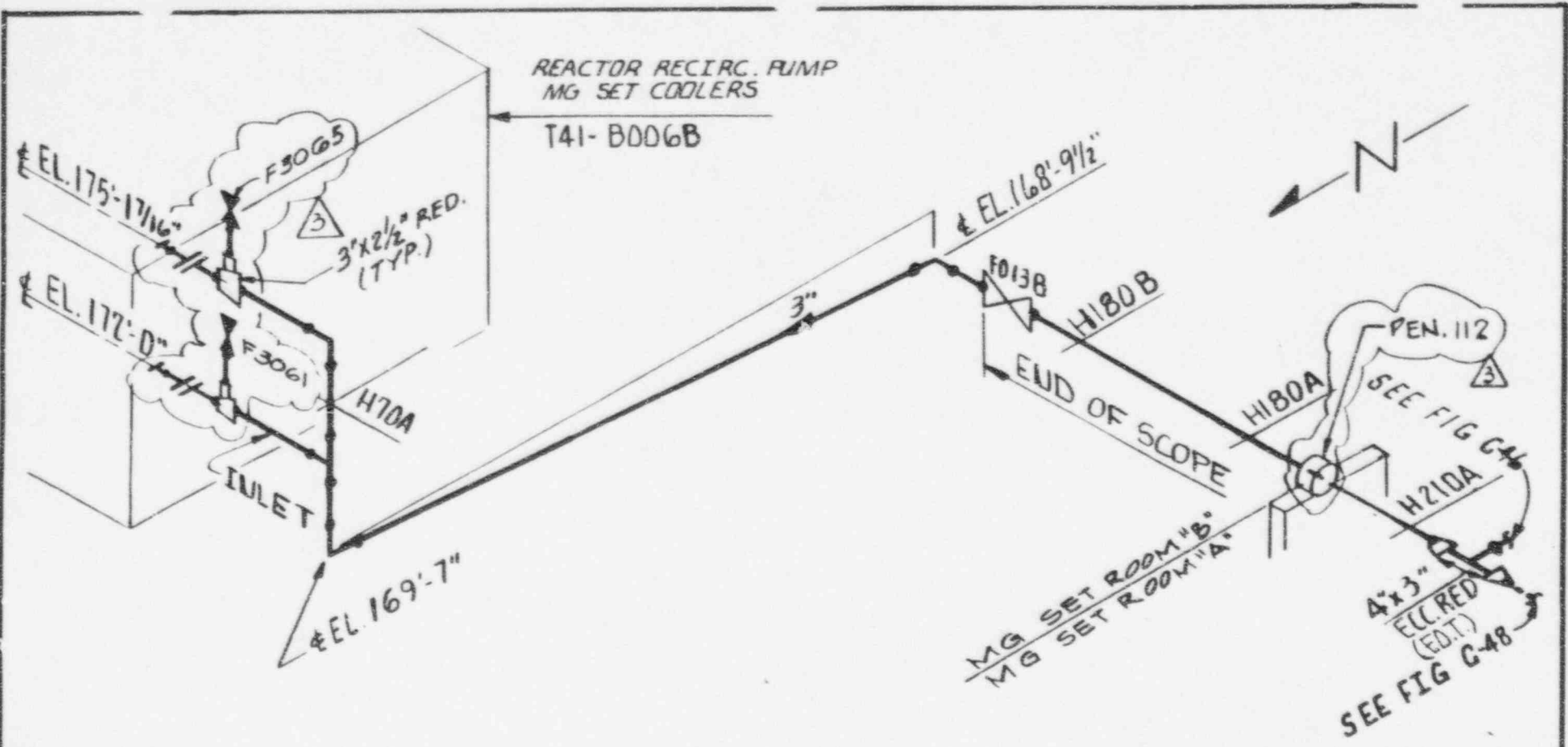
NOTES:

1. REF. ISOMETRIC H-16897 REV. 2
2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW.
3. * POSSIBLE INACCESSIBLE WELD TO PIPE.

2	2-11-93	WS	GB	WC
1	3-16-92	WGS	WS	WC
0	8/7/87	MAC	CD	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE C-46

SERVICE WATER TO MG
 SET COOLING UNITS
 HATCH 1 - CLASS 3
 LOCATION: REACTOR BUILDING

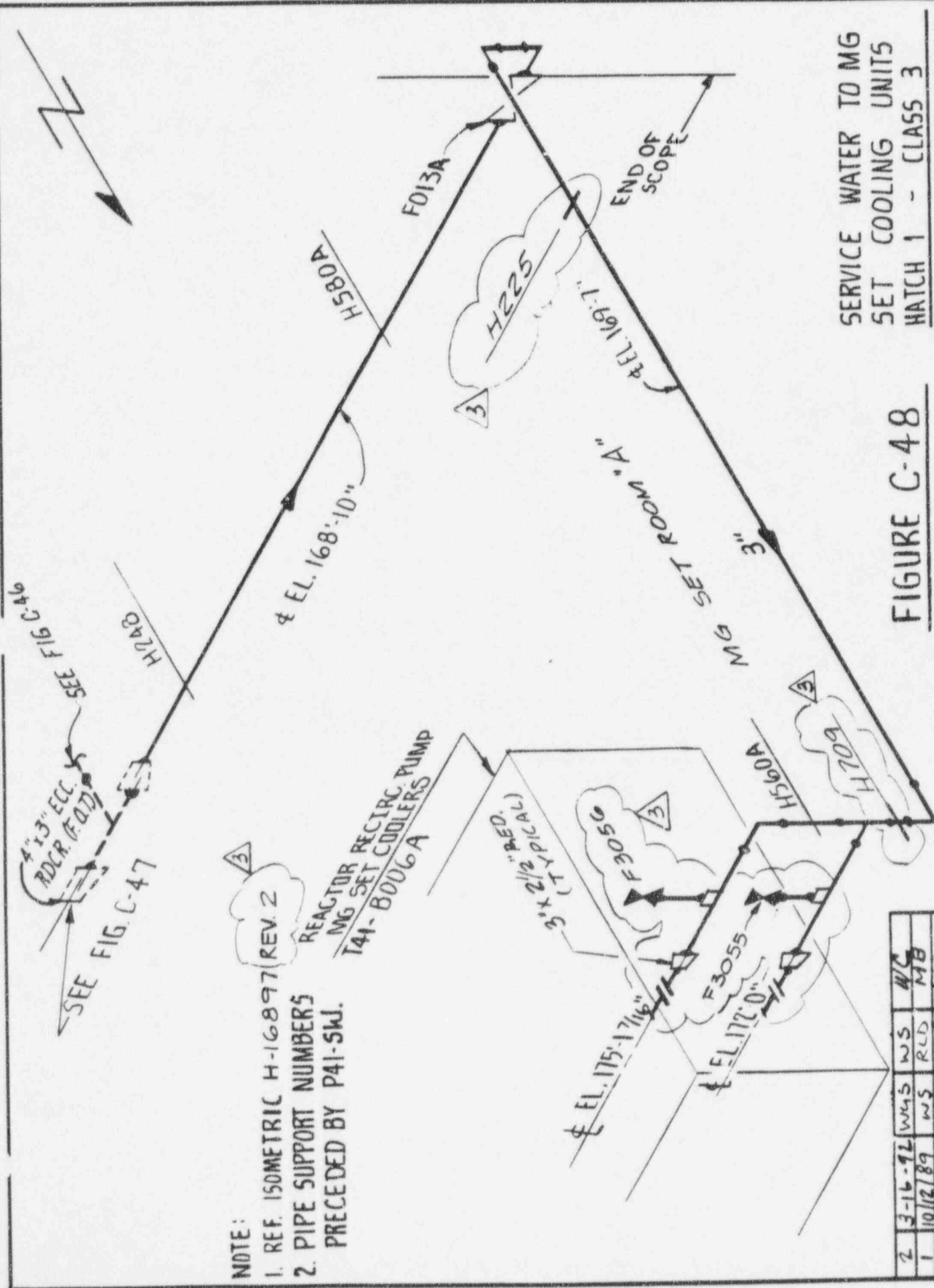


- NOTES:
1. REF. ISOMETRIC H-16897 REV. 2 ³
 2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW

2	3-16-92	WGS	WS	WC
1	8/27/89	DST	RGS	RLD
3	7-11-95	WS	GS	WC
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE C-47

SERVICE WATER TO MG
 SET COOLING UNITS
HATCH 1-CLASS 3
 LOCATION: REACTOR BLDG.



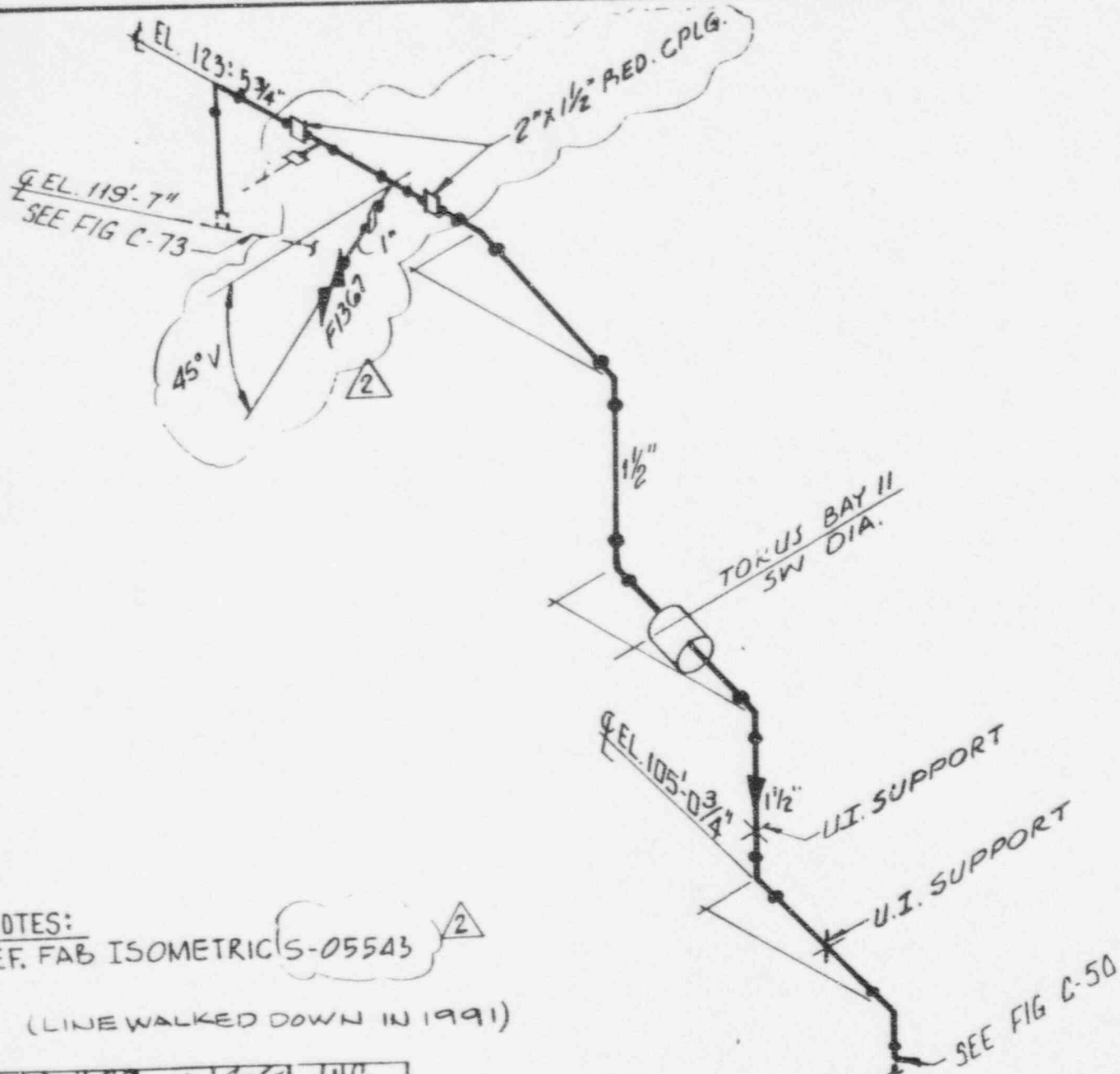
NOTE:
 1. REF. ISOMETRIC H-16897 (REV. 2)
 2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SWJ.

REACTOR RECIRC. PUMP
 MG SET COOLERS
 T41-8006A

REV.	DATE	BY	CHK'D	APPR. 1
2	3-16-92	WJS	WJS	WJC
1	10/12/89	WJS	RLD	MB
3	2-11-93	WJS	CS	WJC

SERVICE WATER TO MG
 SET COOLING UNITS
 HATCH 1 - CLASS 3
 LOCATION: REACTOR BUILDING

FIGURE C-48

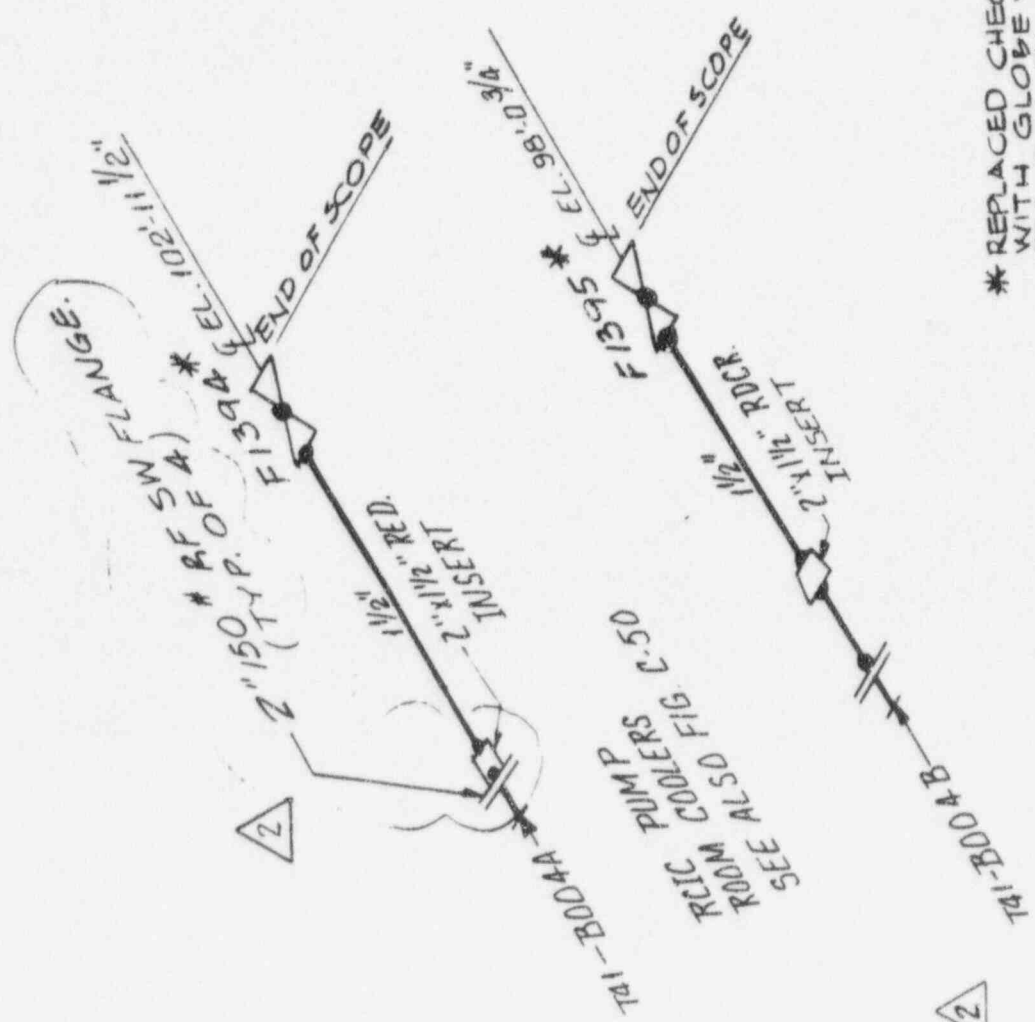
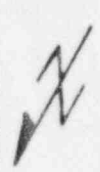


NOTES:
 REF. FAB ISOMETRIC (S-05543) 2
 (LINE WALKED DOWN IN 1991)

REV	DATE	BY	CHK'D	APPR 1
2	2-11-93	WJ	GS	WC
1	3-16-72	WLS	WS	WC
Δ	8/7/82	SDH	CD	MB

FIGURE C-49

INSULATED
 PLANT SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION: S.W. DIAG. &
 TORUS



* REPLACED CHECKVALVES F028A & F028B WITH GLOBE VALVES F1394 & F1395 PER DCR 91-098

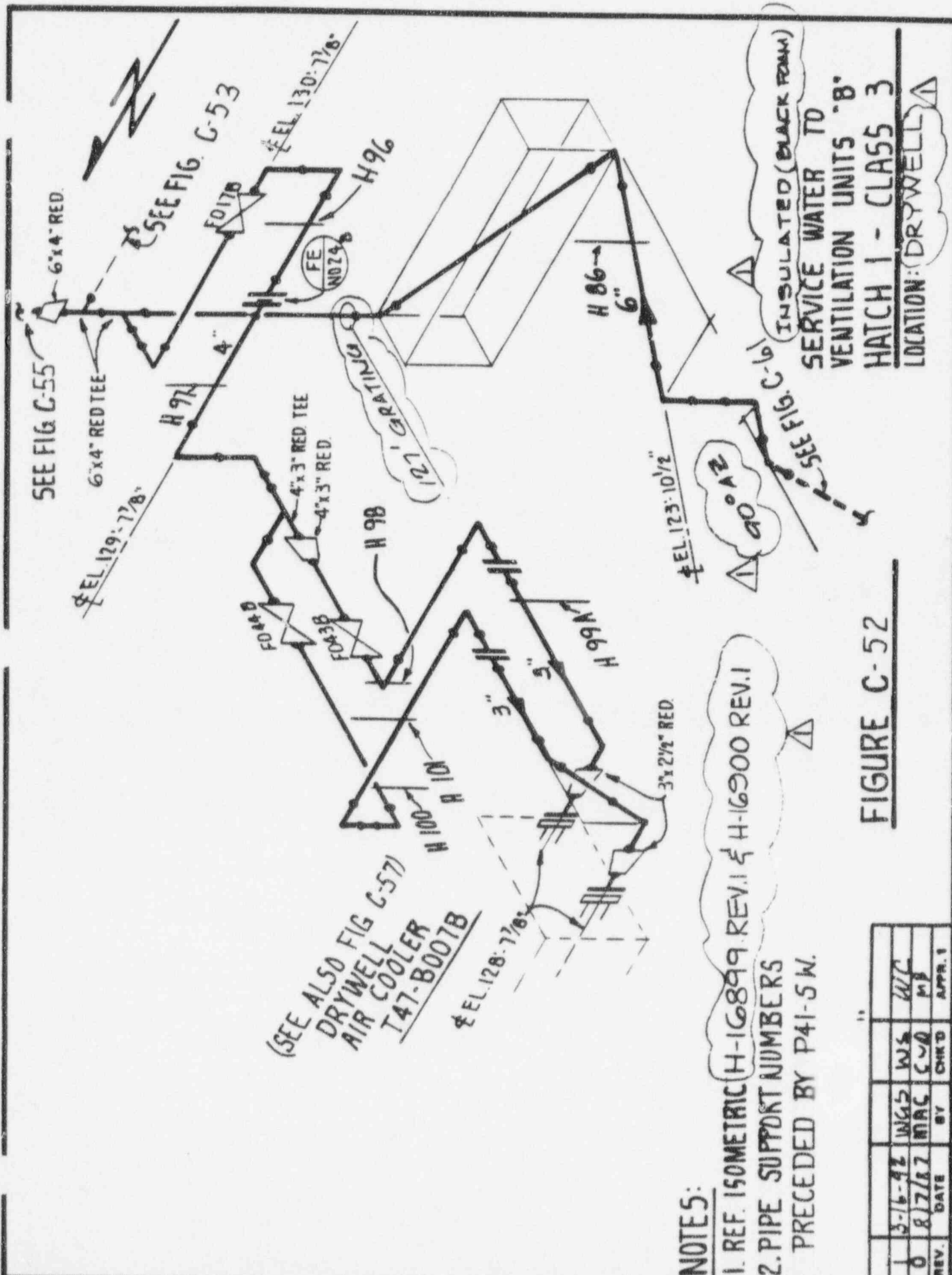
NOTES:
 1. REF ISOMETRIC 5-05544

(LINE WALKED DOWN IN 1991)

FIGURE C-51

PLANT SERVICE WATER SYSTEM
 HATCH 1 CLASS 3
 LOCATION: S.W. DIAGONAL

REV	DATE	BY	CHECKED	APPROVED
2	2-15-93	WS	WS	WIC
1	8-6-92	WS	WS	WIC
0	8/7/87	SDH	CWB	MB



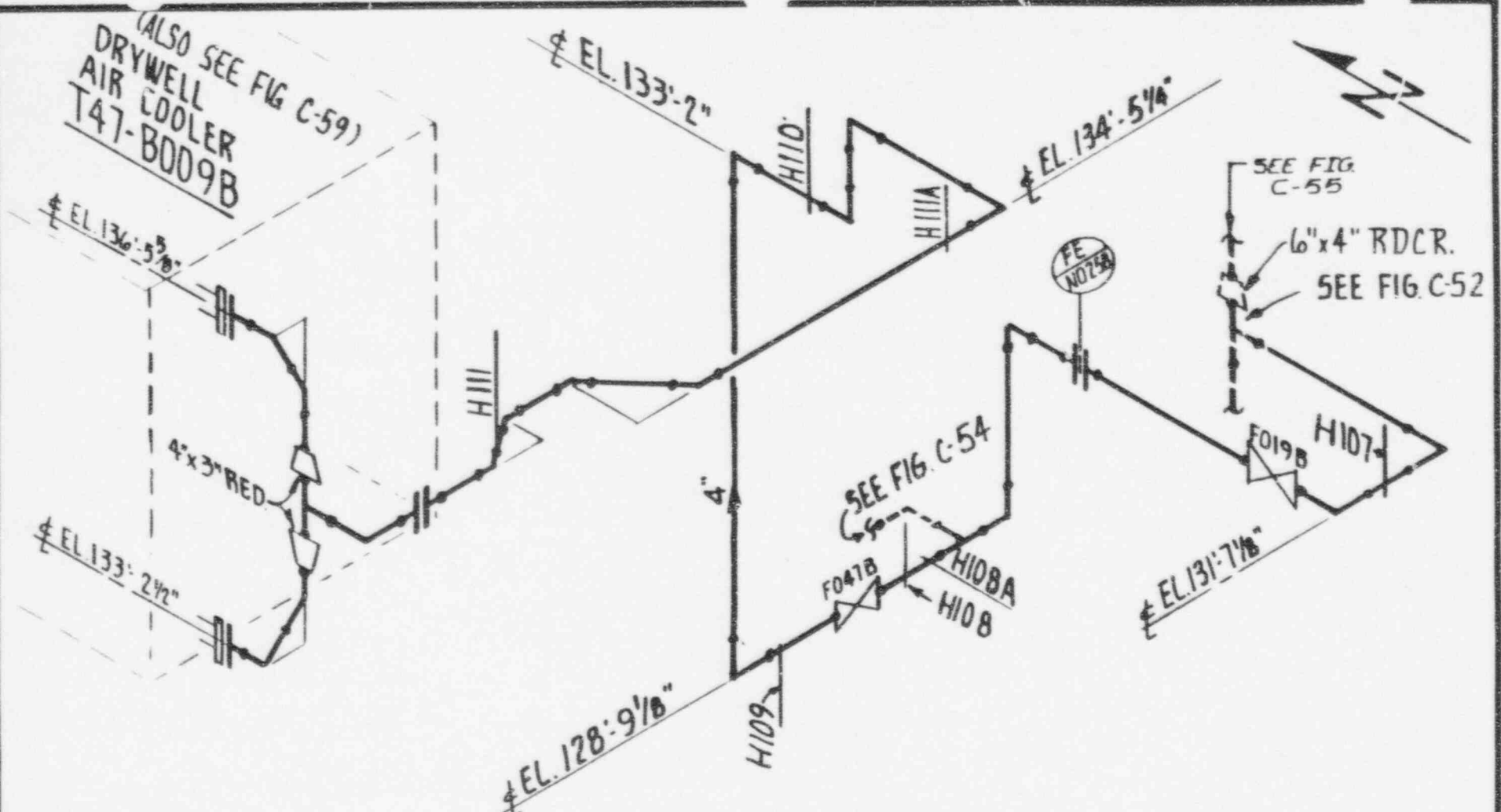
(SEE ALSO FIG. C-57)
 DRYWELL
 AIR COOLER
 T47-B007B


NOTES:
 1. REF. ISOMETRIC H-16899 REV.1 & H-16900 REV.1
 2. PIPE SUPPORT NUMBERS
 PRECEDED BY P41-S.W.

REV.	DATE	BY	CHK'D	APPR.
1	3-16-92	WGS	WGS	W/C
0	8/7/87	MAC	CMD	MP

FIGURE C-52

INSULATED (BLACK FOAM)
 SERVICE WATER TO
 VENTILATION UNITS - 8"
 HATCH 1 - CLASS 3
 LOCATION: DRYWELL



NOTES:
 1. REF. ISOMETRIC H-16900 (REV. 1) 
 2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW.



SERVICE WATER TO
 VENTILATION UNITS "B"
 HATCH 1 - CLASS 3
 LOCATION: (DRYWELL) 

FIGURE C-53

REV.	DATE	BY	CHK'D	APPR. 1
1	2-16-92	NGS	W3	W/C
0	8/2/87	MAC	CWD	MB

NOTES:

- 1. REF. ISOMETRIC H-16900 (REV. 1) 
- 2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW.

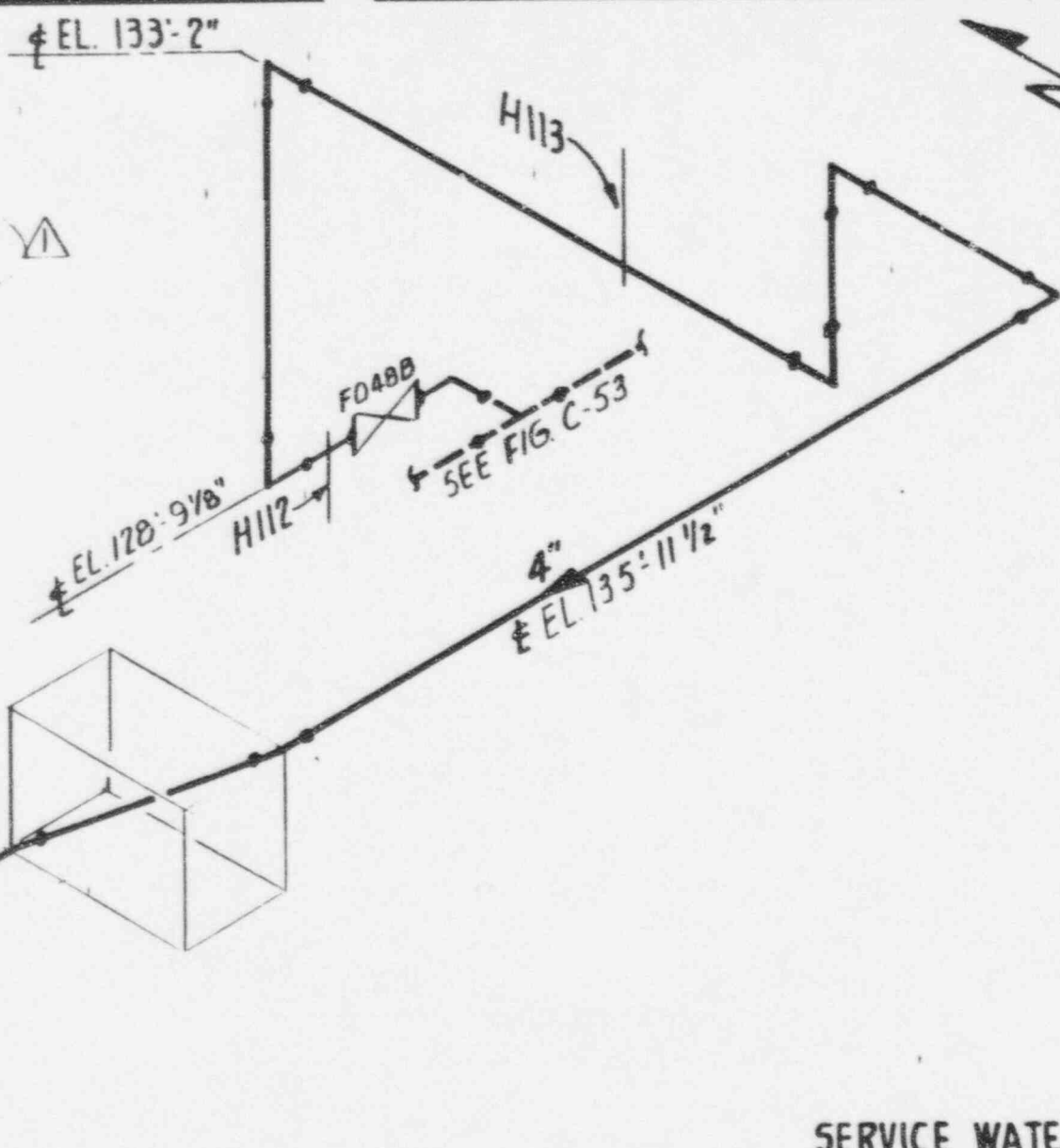
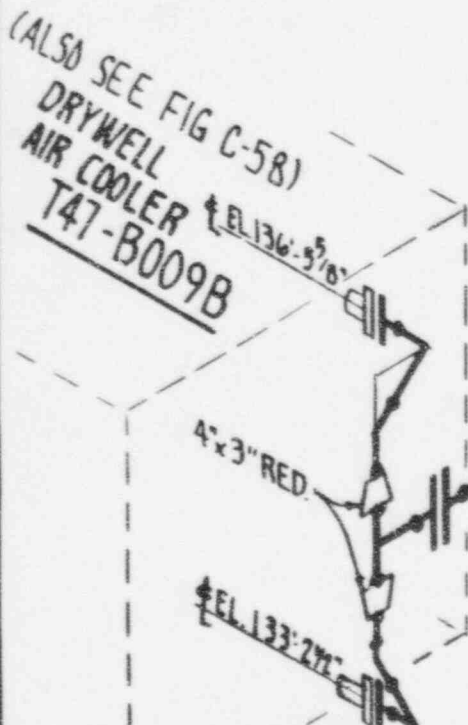

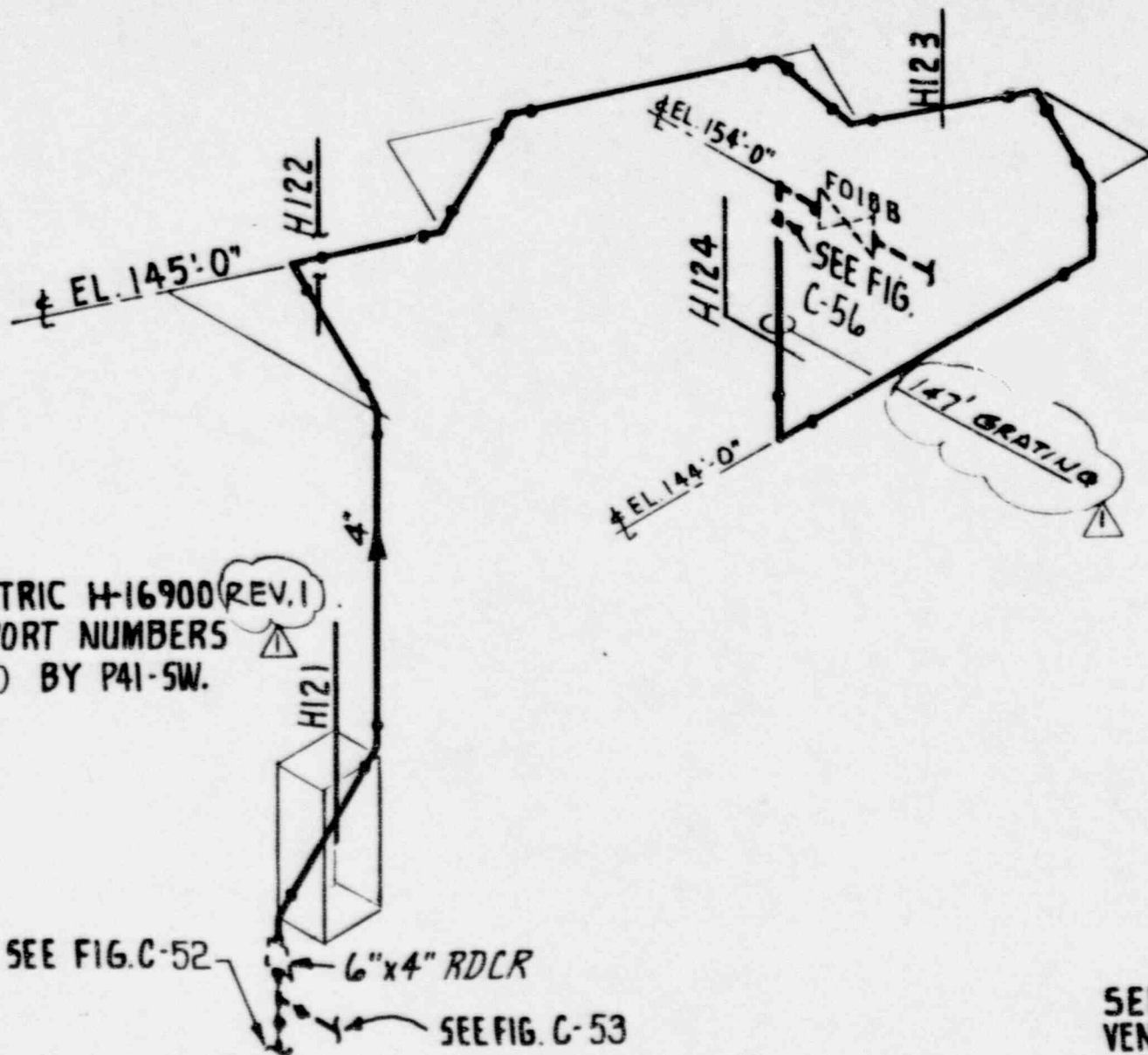


FIGURE C-54

SERVICE WATER TO
 VENTILATION UNITS "B"
 HATCH 1-CLASS 3
 LOCATION: (DRYWELL) 

1	2-16-92	WAS	W6	W/C
0	2/2/92	MAC	END	MB
REV.	DATE	BY	CHK'D	APPR. 1



NOTES:

- 1. REF. ISOMETRIC H-16900 (REV. 1)
- 2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW.

SEE FIG. C-52

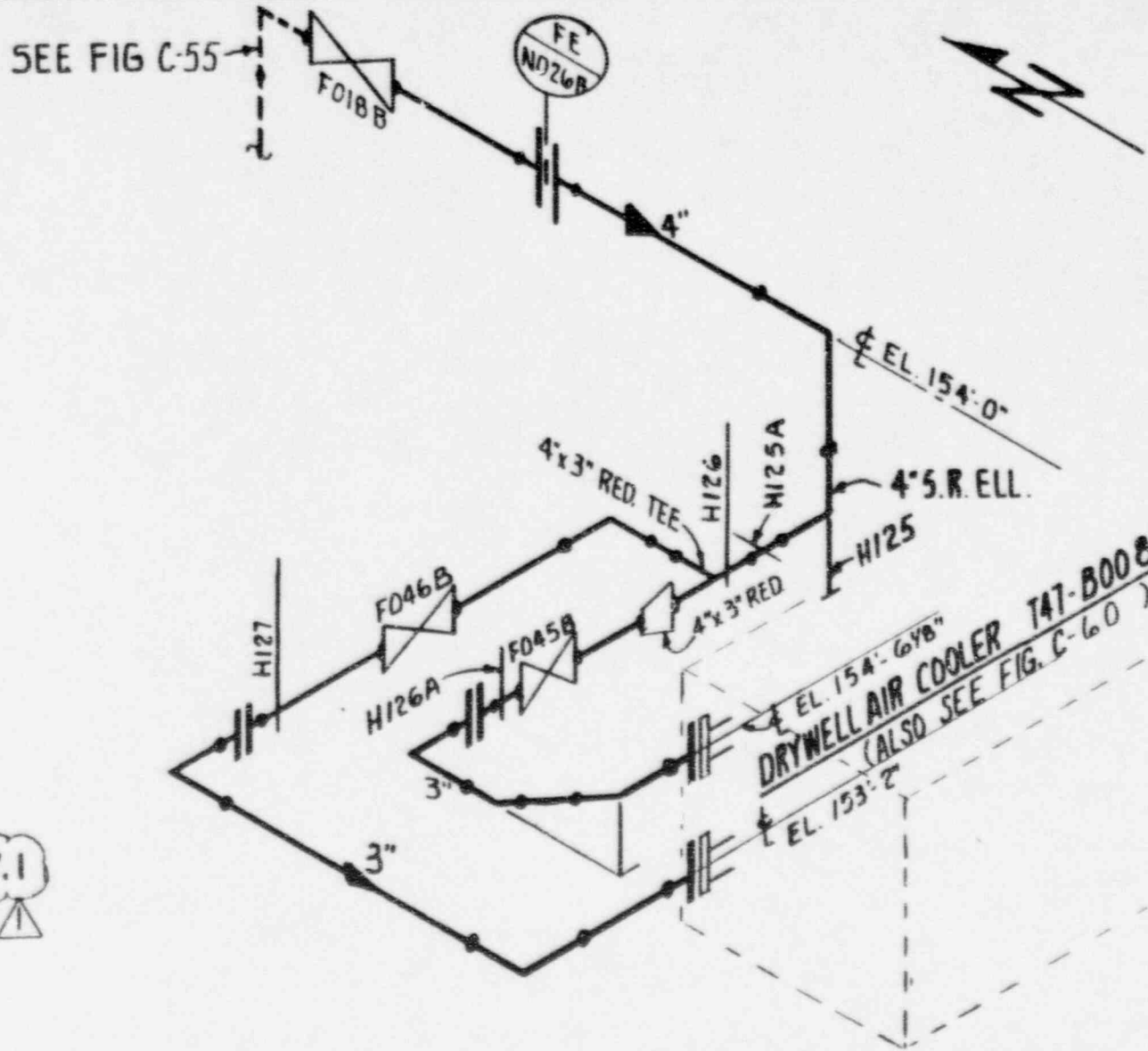
6" x 4" RDCR

SEE FIG. C-53

FIGURE C-55

REV.	DATE	BY	CHK'D	APP'R.
1	3-16-92	WAS	WAS	WJC
0	8/7/87	MAC	CWD	MB

SERVICE WATER TO
VENTILATION UNITS "B"
HATCH 1-CLASS 3
LOCATION DRYWELL



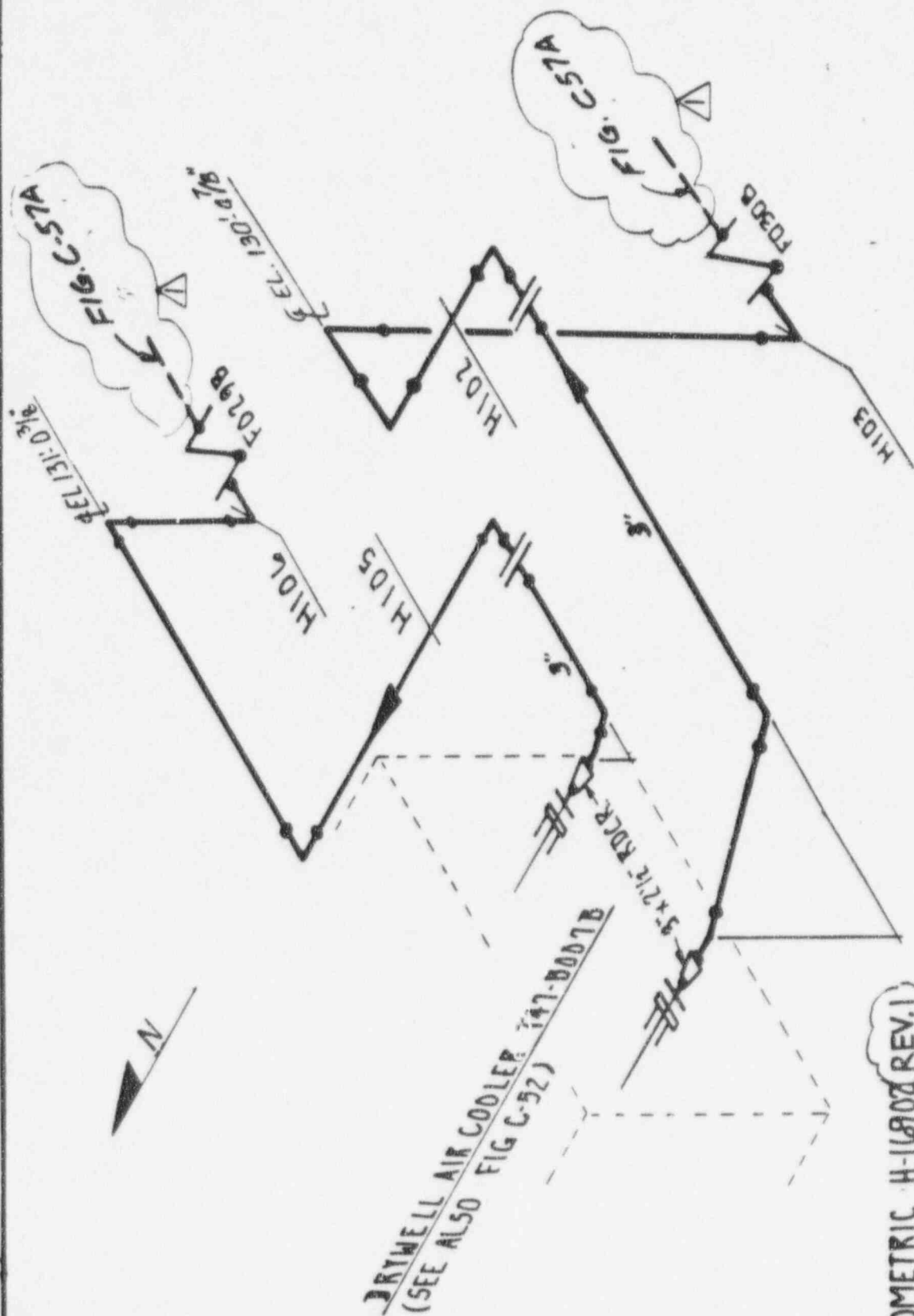
NOTES:

- 1. REF. ISOMETRIC H-16900 REV. 1
- 2. PIPE SUPPORT NUMBERS PRECEDED BY PAI-SW.

REV.	DATE	BY	CHK'D	APPR.
0	3-16-96	WGS	WS	WLC
	2/2/02	HAC	CWD	MB

FIGURE C-56

SERVICE WATER TO VENTILATION UNITS "B" HATCH 1 CLASS 3
 LOCATION: DRYWELL



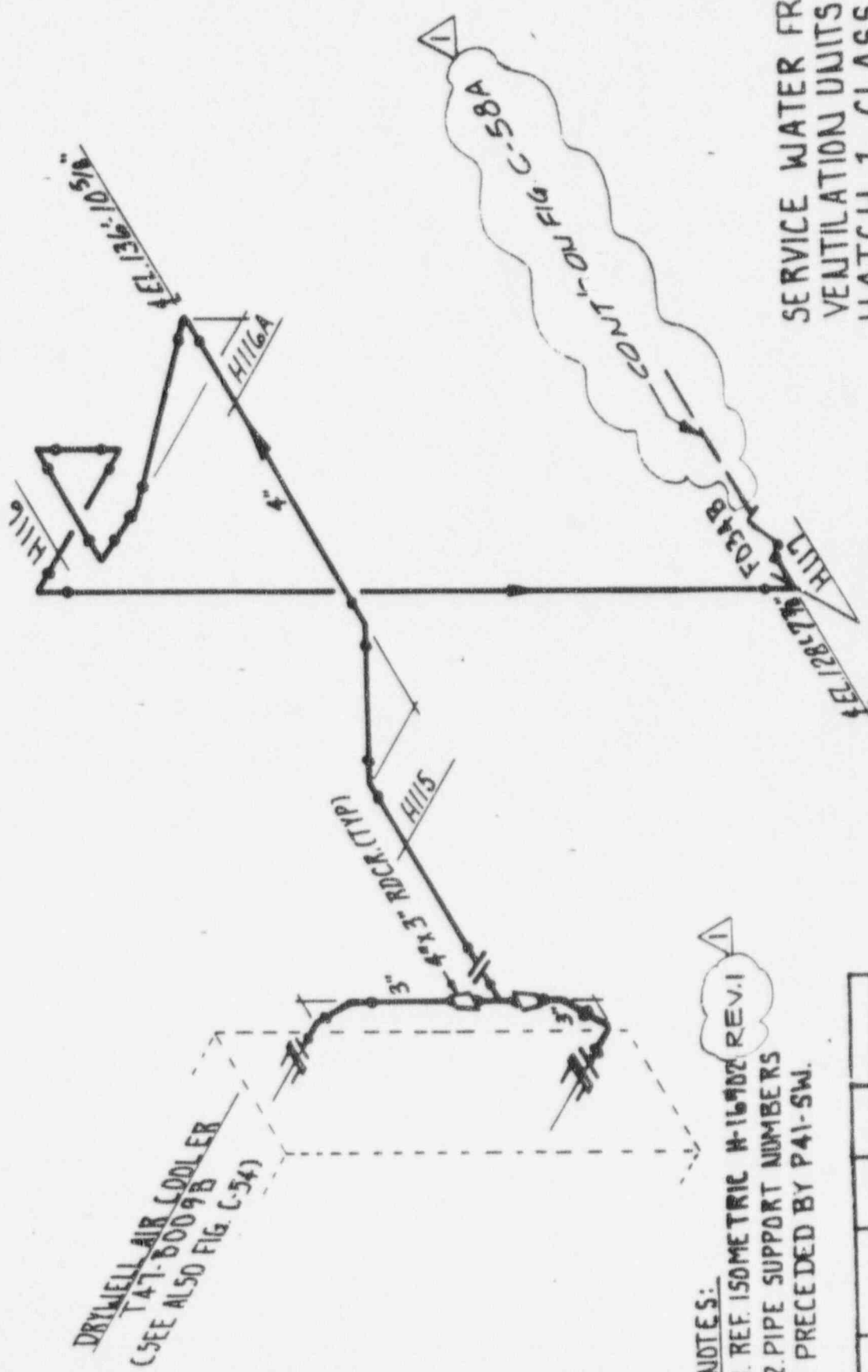
DRYWELL AIR COOLER (47-B007B)
 (SEE ALSO FIG C-52)

- NOTES
1. REF. ISOMETRIC H-16802 REV.1
 2. PIPE SUPPORT NUMBERS PRECEDED BY PAI-SW.

REV	DATE	BY	CHK'D	APPR 1
1	8-16-92	WGS	WIC	
0	8/22/92	SDH	MB	

FIGURE C-57

SERVICE WATER FROM
 VENTILATION UNITS "B"
 HATCH 1 CLASS 3
 LOCATION (DRYWELL)



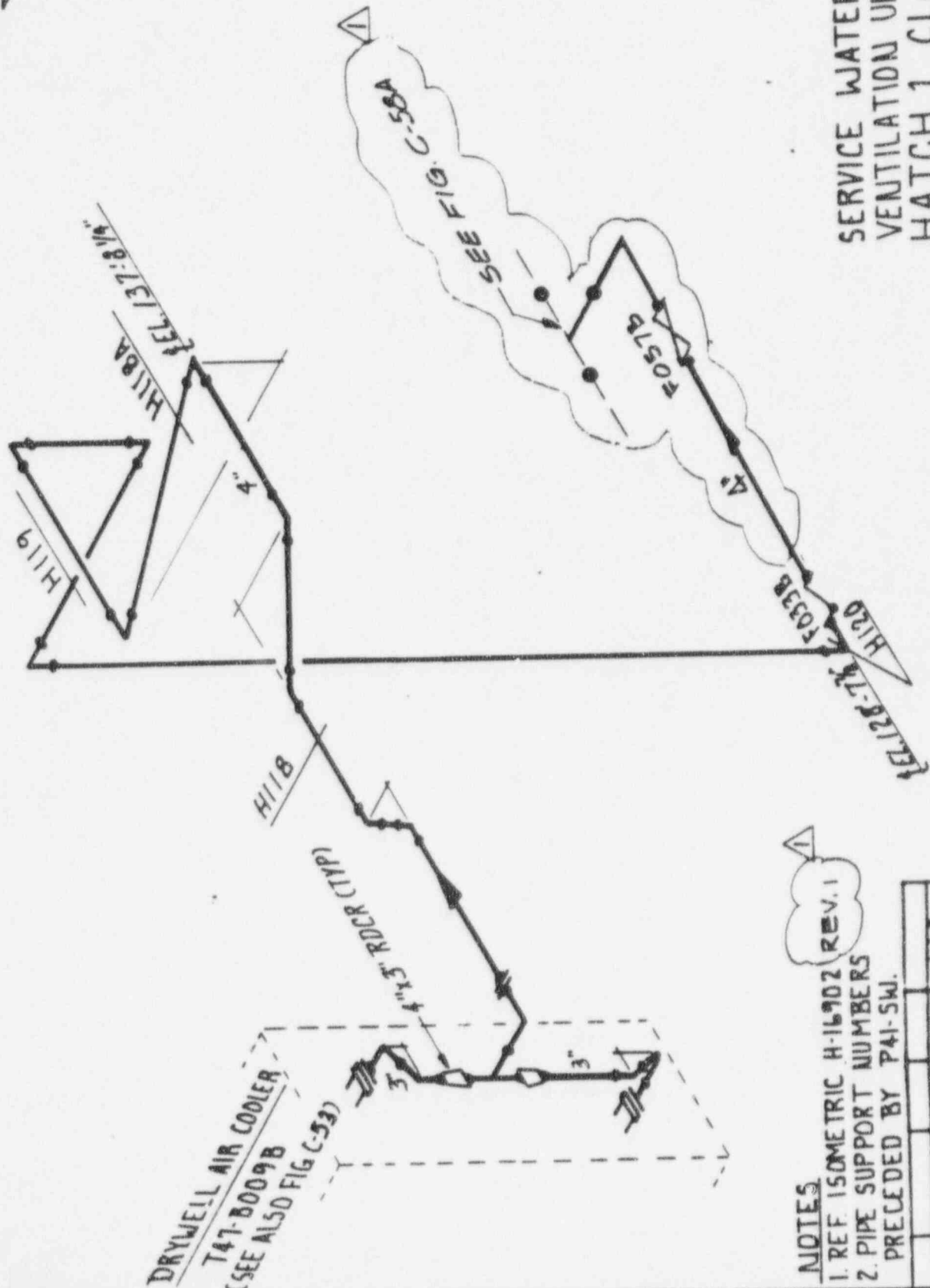
DRYWELL AIR COOLER
T-47-6009B
(SEE ALSO FIG. C-54)

- NOTES:
1. REF. ISOMETRIC H-16102 REV. 1
 2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW.

REV	DATE	BY	CHK'D	APPR 1
1	8/7/47	WAS	WLS	WLC
0	8/7/47	SDH	EWD	MIB

FIGURE C-58

SERVICE WATER FROM
VENTILATION UNITS "B"
HATCH 1 CLASS 3
LOCATION: DRYWELL

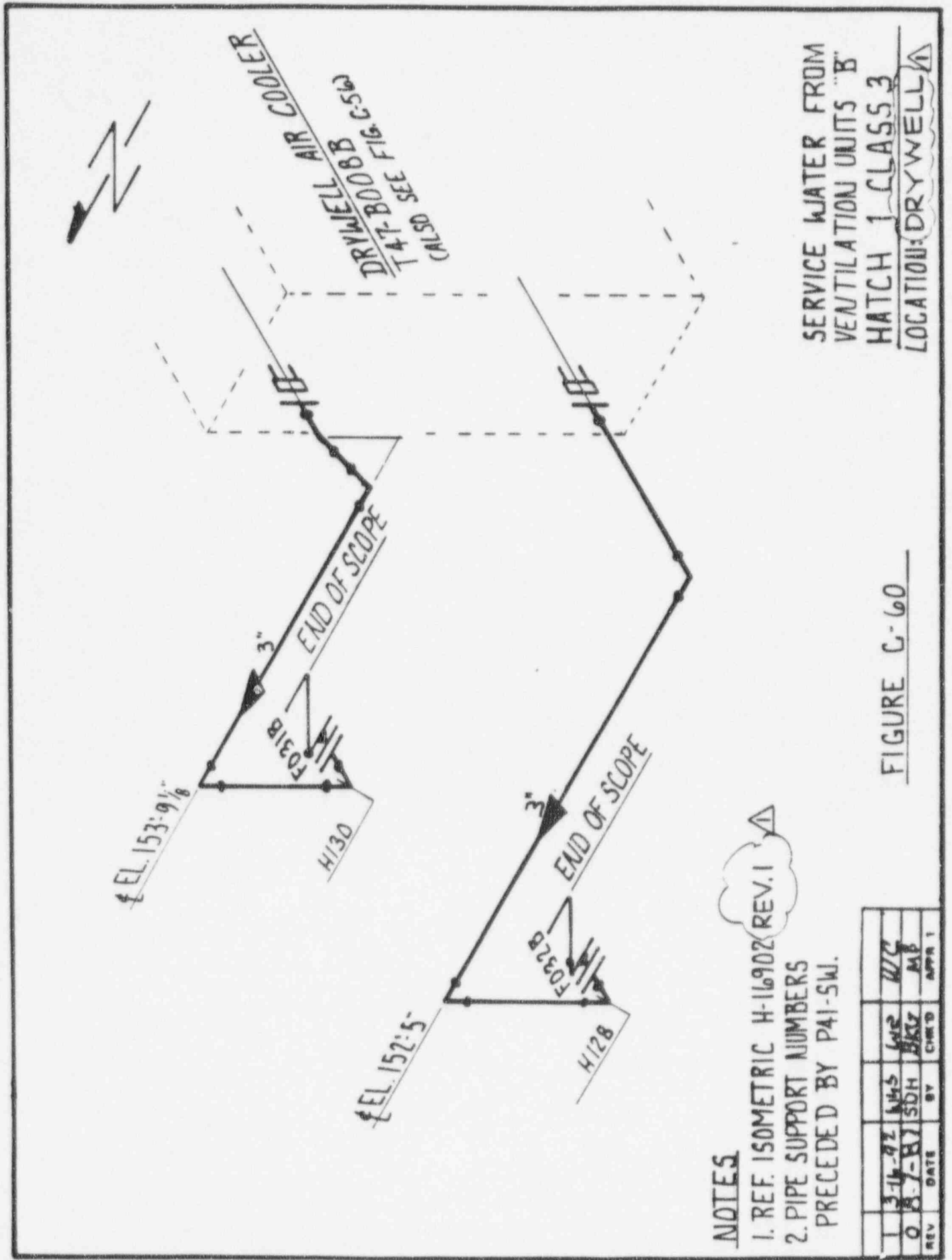


SERVICE WATER FROM
 VENTILATION UNITS "B"
 HATCH 1 CLASS 3
 LOCATION: DRYWELL

FIGURE C-59

NOTES
 1. REF ISOMETRIC H-16902 REV.1
 2. PIPE SUPPORT NUMBERS
 PRECEDED BY P41-SW.

REV	DATE	BY	CHK'D	APP'R
1	3-16-92	WLB	MS	WIC
0	8/27/87	SDH	MS	MB



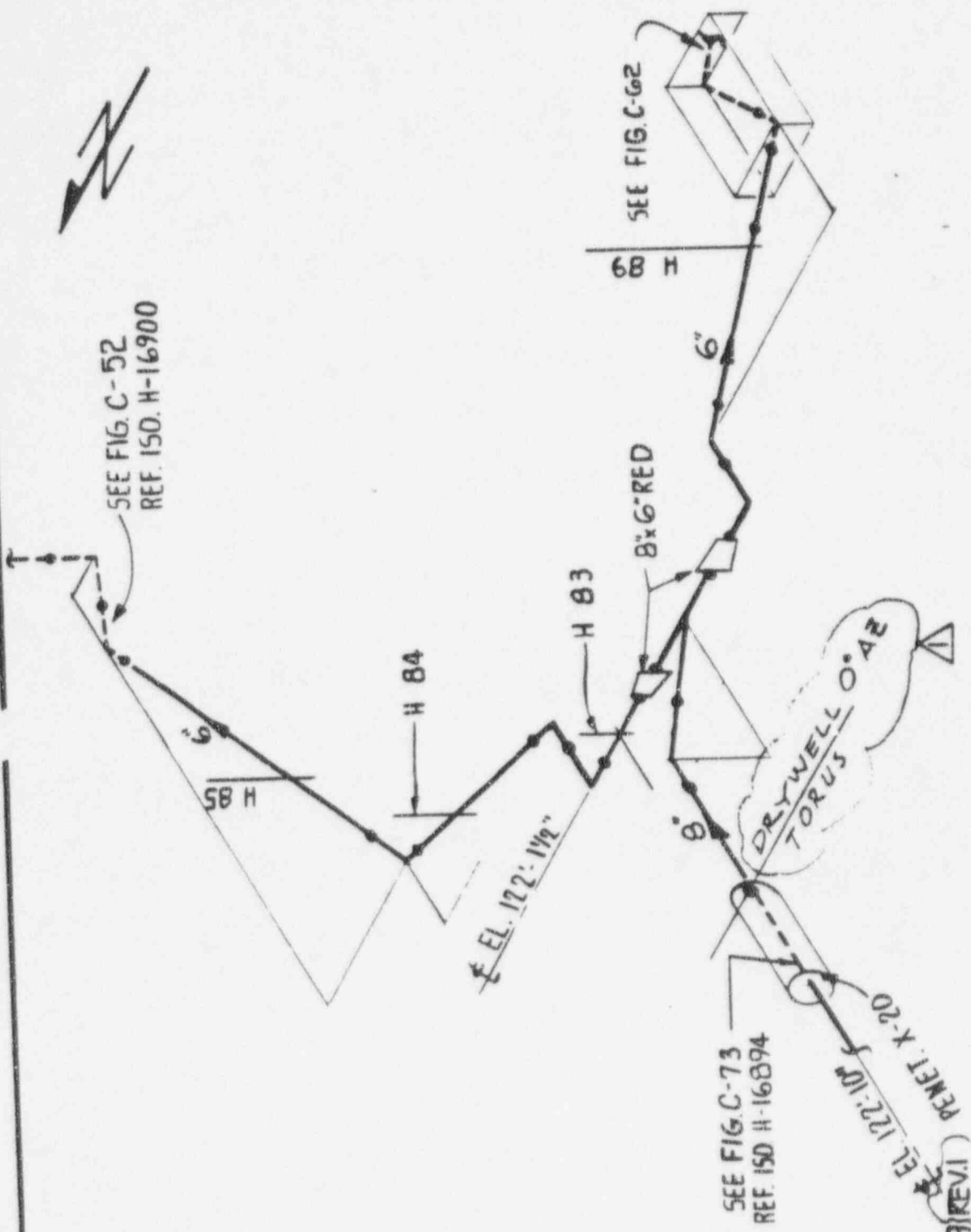
NOTES

1. REF. ISOMETRIC H-116902 REV. 1
2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW.

REV	DATE	BY	CHKD	APPR
1	3-14-92	MHS	WCS	WCS
0	8-7-87	SDH	BRK	MB

FIGURE C-60

SERVICE WATER FROM
VENTILATION UNITS "B"
HATCH 1 CLASS 3
LOCATION: DRYWELL



SERVICE WATER TO
 VENTILATION UNITS "A"
 HATCH J-CLASS 3
 LOCATION: DRYWELL & TORUS

FIGURE C-61

NOTES

1. REF. ISOMETRIC H-16899 (REV. I)

2. PIPE SUPPORT NUMBERS
 PRECEDED BY P41-SW.

REV.	DATE	BY	CHK'D	APP'R.
1	3-16-74	MAC	MS	MLC
0	5/7/87	MAC	CVD	MS

SEE FIG. C-73
 REF. ISO. H-16894
 EL. 122.10' PENET. X-20

DRYWELL O'AZ
 TORUS

EL. 122.1192'

SEE FIG. C-62
 H 83

8x6" RED

H 84

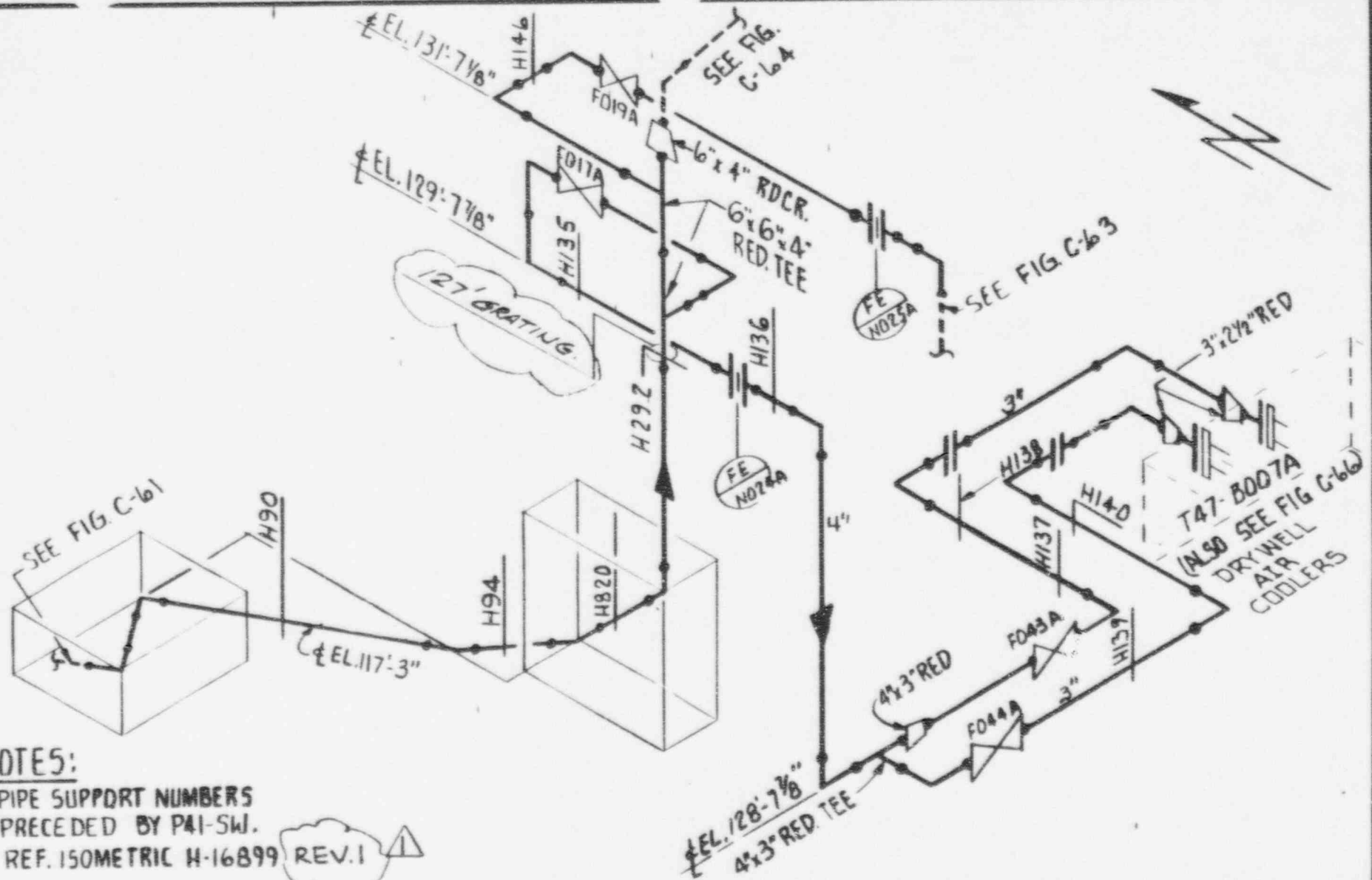
H 85

6"

6"

6"

H 83

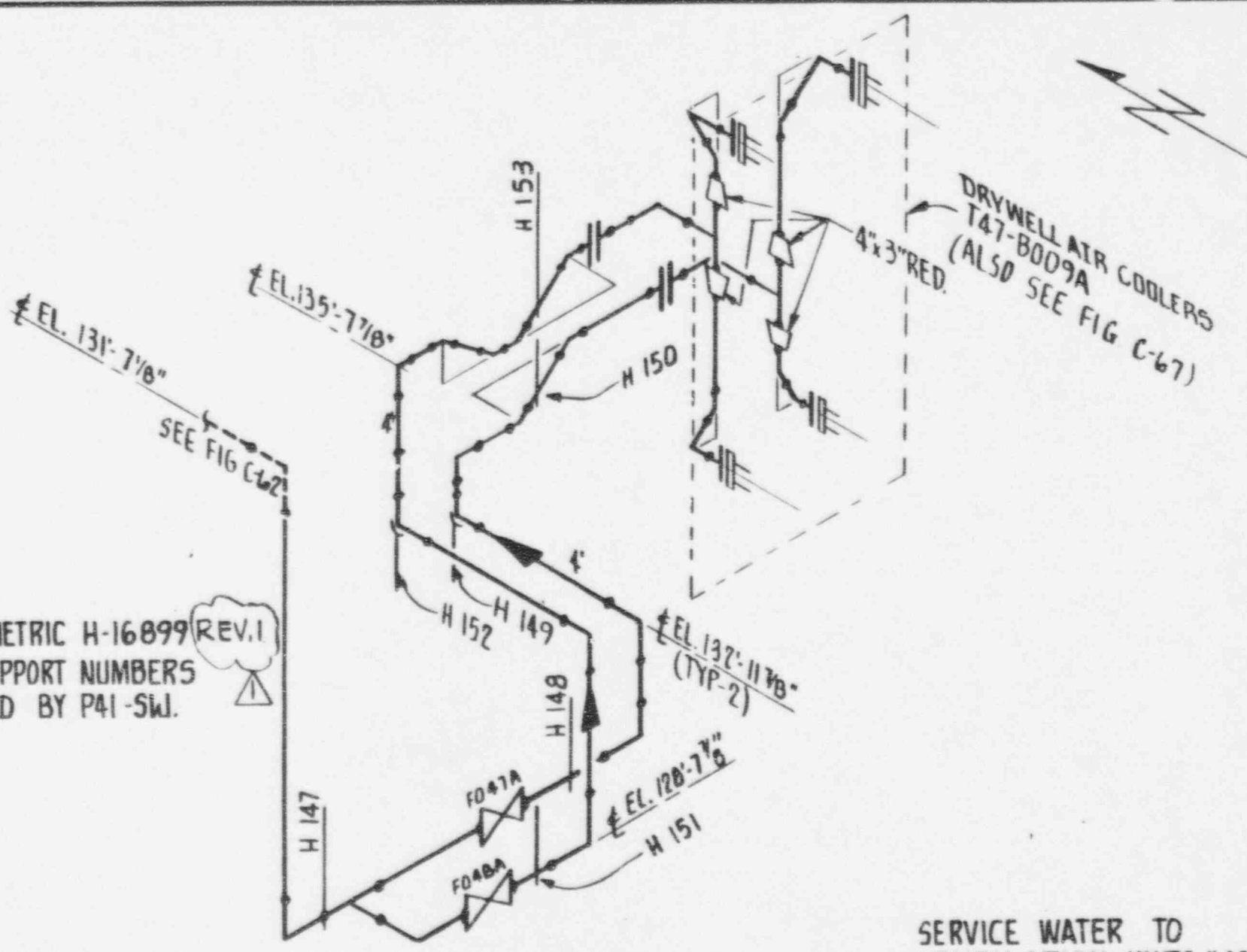


NOTES:
 1. PIPE SUPPORT NUMBERS PRECEDED BY PAI-SW.
 2. REF. ISOMETRIC H-16899 REV.1

1	3-16-92	W4S	WS	W/C
0	8/7/97	MAC	CVO	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE C-62

SERVICE WATER TO VENTILATION UNITS "A" HATCH 1 - CLASS 3
 LOCATION: DRYWELL



NOTES:
 1. REF. ISOMETRIC H-16899 REV.1
 2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW.

1	3-16-92	WLS	WS	WC
0	6/7/87	MAC	C-D	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE C-63

SERVICE WATER TO
 VENTILATION UNITS "A"
 HATCH 1 CLASS 3
 LOCATION: DRYWELL ⚠

NOTES:

1. REF. ISOMETRIC H-16899 REV.1
2. PIPING SUPPORT NUMBERS PRECEDED BY P41-SW-

REF. 6x4" RED.
SEE FIG. C-62

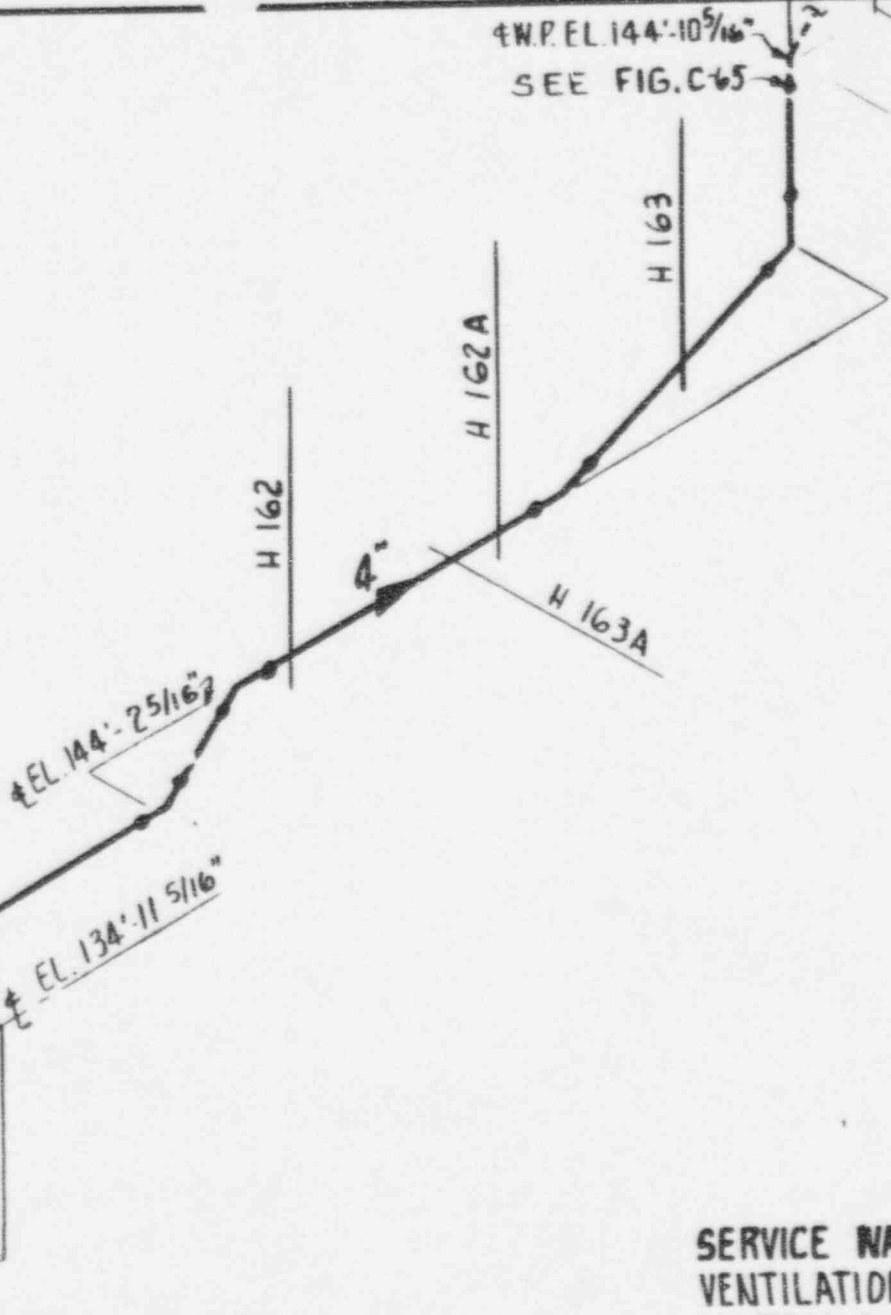
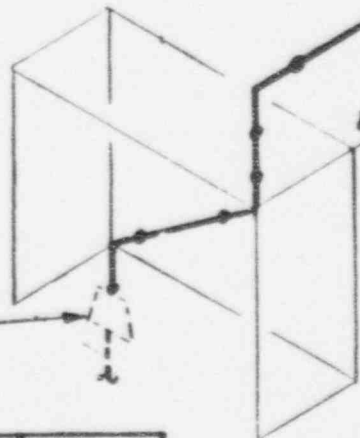
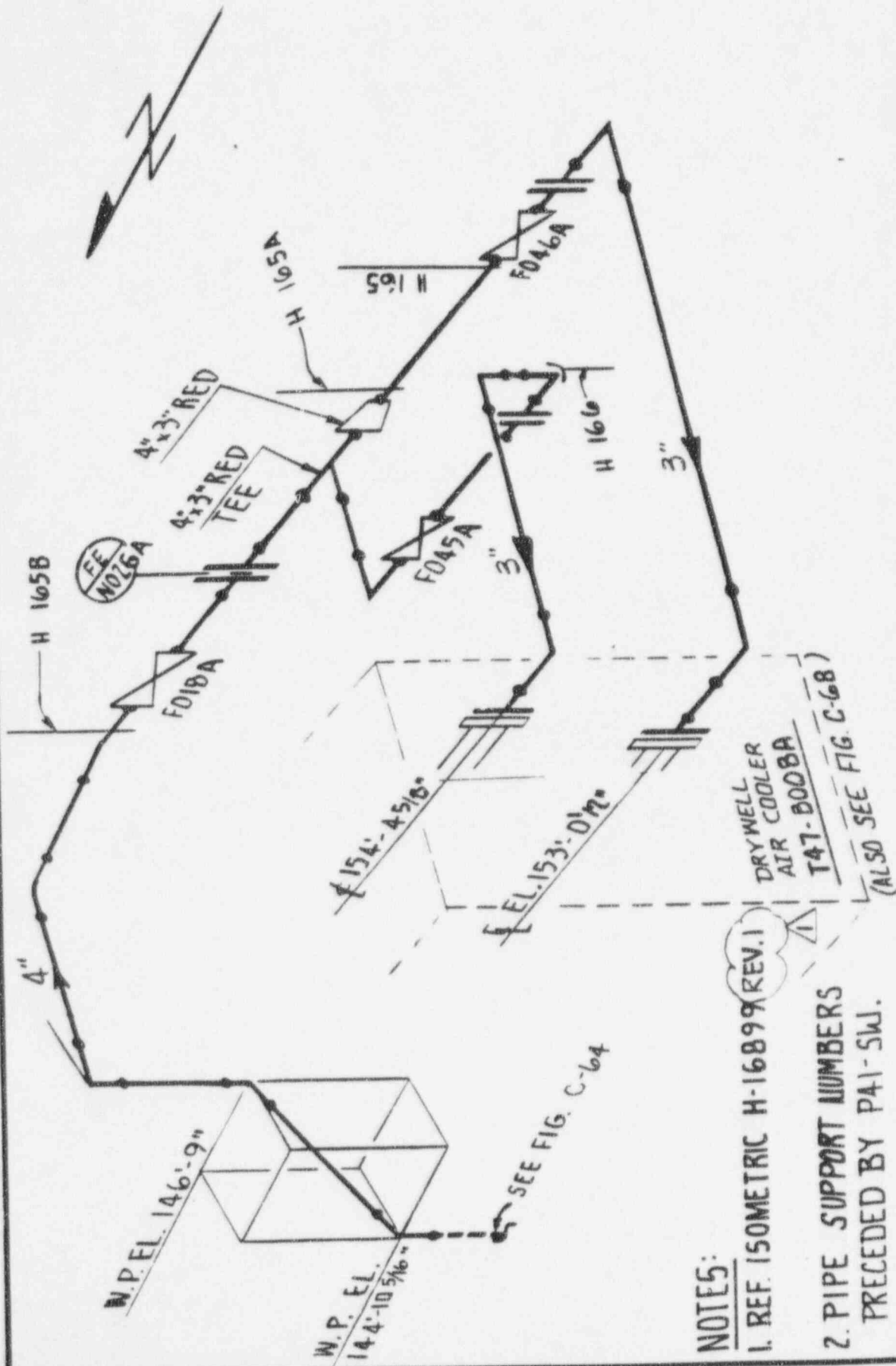


FIGURE C-64

SERVICE WATER TO
VENTILATION UNITS "A"
HATCH 1 - CLASS 3
LOCATION: DRYWELL

1	8/16/82	NGS	MS	WC
0	8/7/82	MAC	CUP	MB
REV.	DATE	BY	CHK'D	APPR. 1



SERVICE WATER TO
 VENTILATION UNITS "A"
 HATCH 1 - CLASS 3
 LOCATION: DRYWELL

FIGURE C-65

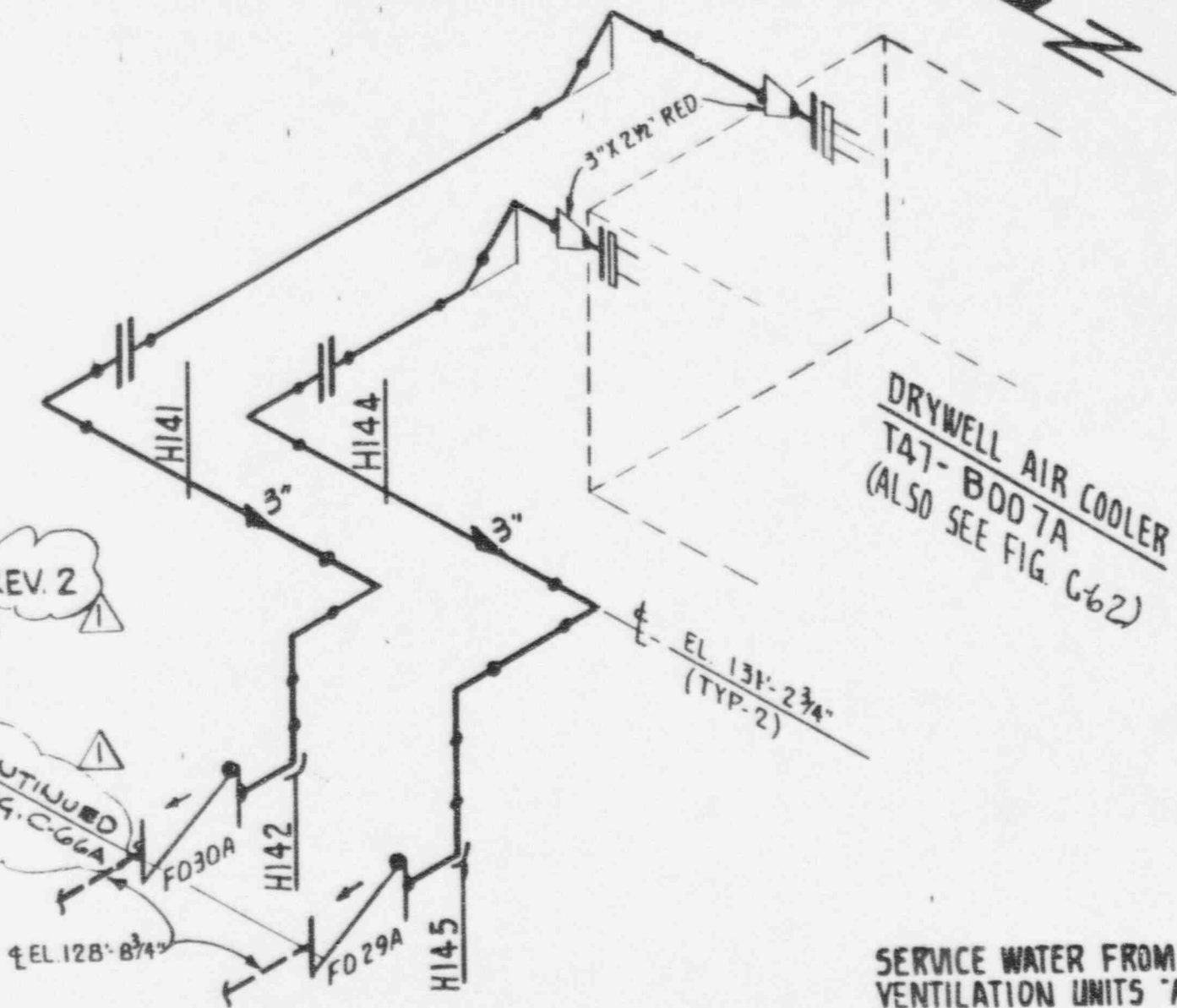
- NOTES:
1. REF. ISOMETRIC H-16899 (REV. 1)
 2. PIPE SUPPORT NUMBERS PRECEDED BY PA1-SW.

REV.	DATE	BY	CHK'D	APP'R.
1	3-16-72	WGL	MB	MLC
0	8/27/77	MAC	C-10	MB

NOTES:

1. REF. ISOMETRIC H-16901 REV. 2
2. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW.

CONTINUED
ON FIG. C-66A



SERVICE WATER FROM
VENTILATION UNITS "A"
HATCH 1-CLASS 3
LOCATION: DRYWELL

FIGURE C-66

1	3-16-92	WMS	WMS	WC
0	8/7/87	MAC	CLD	MB
REV.	DATE	BY	CHK'D	APPR. 1

NOTES:

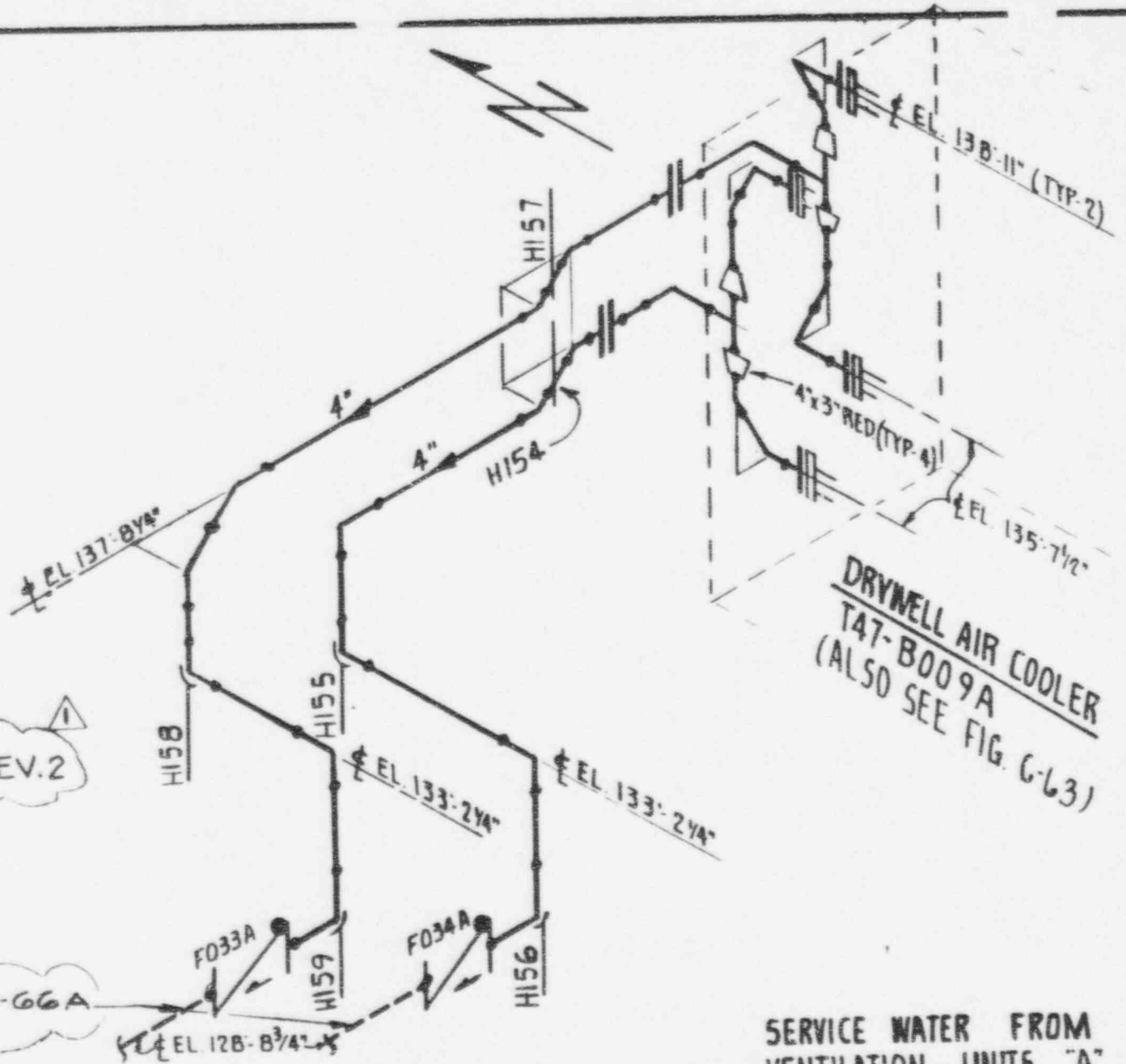
1. REF. ISOMETRIC H-16901 REV.2
2. PIPE SUPPORT NUMBERS PRECEDED BY PA1-5W.

1

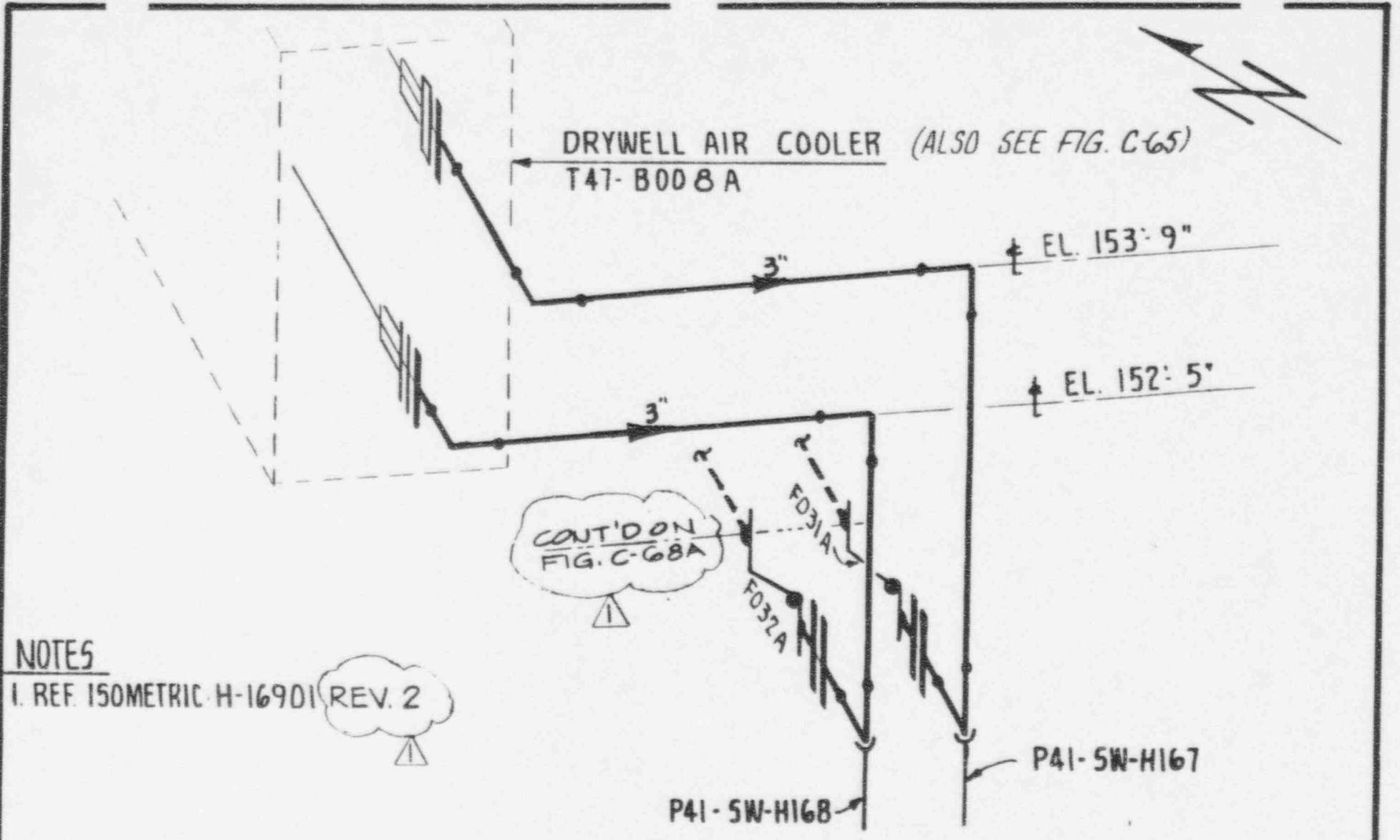
CONT'D ON FIG. C-66A

1	3-16-92	WLB	W4	WC
2	8/7/82	MAC	CVD	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE C-67



SERVICE WATER FROM
 VENTILATION UNITS "A"
 HATCH 1 - CLASS 3
 LOCATION: DRYWELL 1



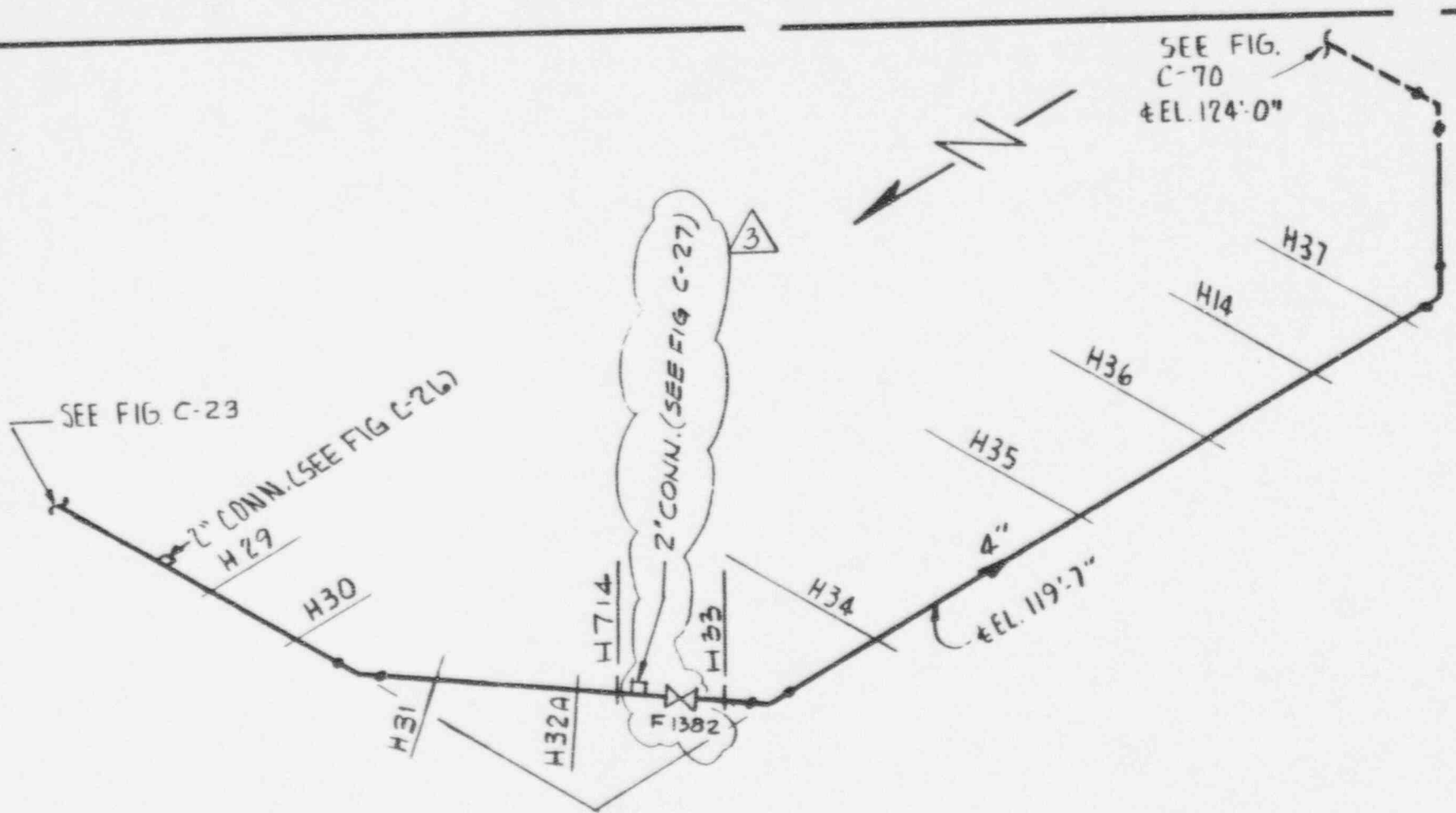
NOTES

1. REF ISOMETRIC H-16901 REV. 2

FIGURE C-68

SERVICE WATER FROM
VENTILATION UNITS "A"
HATCH 1 - CLASS 3
LOCATION: DRYWELL

REV.	DATE	BY	CHK'D	APPR. 1
1	3-16-93	WGS	WS	WC
0	8/2/87	MAC	CW	MB



NOTE:
 1. REF. ISOMETRIC H-16894 (REV. 3) 3
 2. PIPING SUPPORT NUMBERS PRECEDED BY P41-SW.

PLANT SERVICE WATER
 SYSTEM - WEST SIDE
 HATCH 1 - CLASS 3
 LOCATION: TORUS

FIGURE C-69

2	3-16-92	WGS	WS	WC
1	2/27/82	BST	BFS	LD
3	2-11-93	WS	GR	WC
REV.	DATE	BY	CHK'D	APPR. 1

NOTES:

1. REFERENCE ISO. H-16894 REV.3 2
2. PIPING SUPPORT NUMBERS PRECEDED BY P41-SW.
3. POSSIBLE INACCESSIBLE WELD TO PIPE.

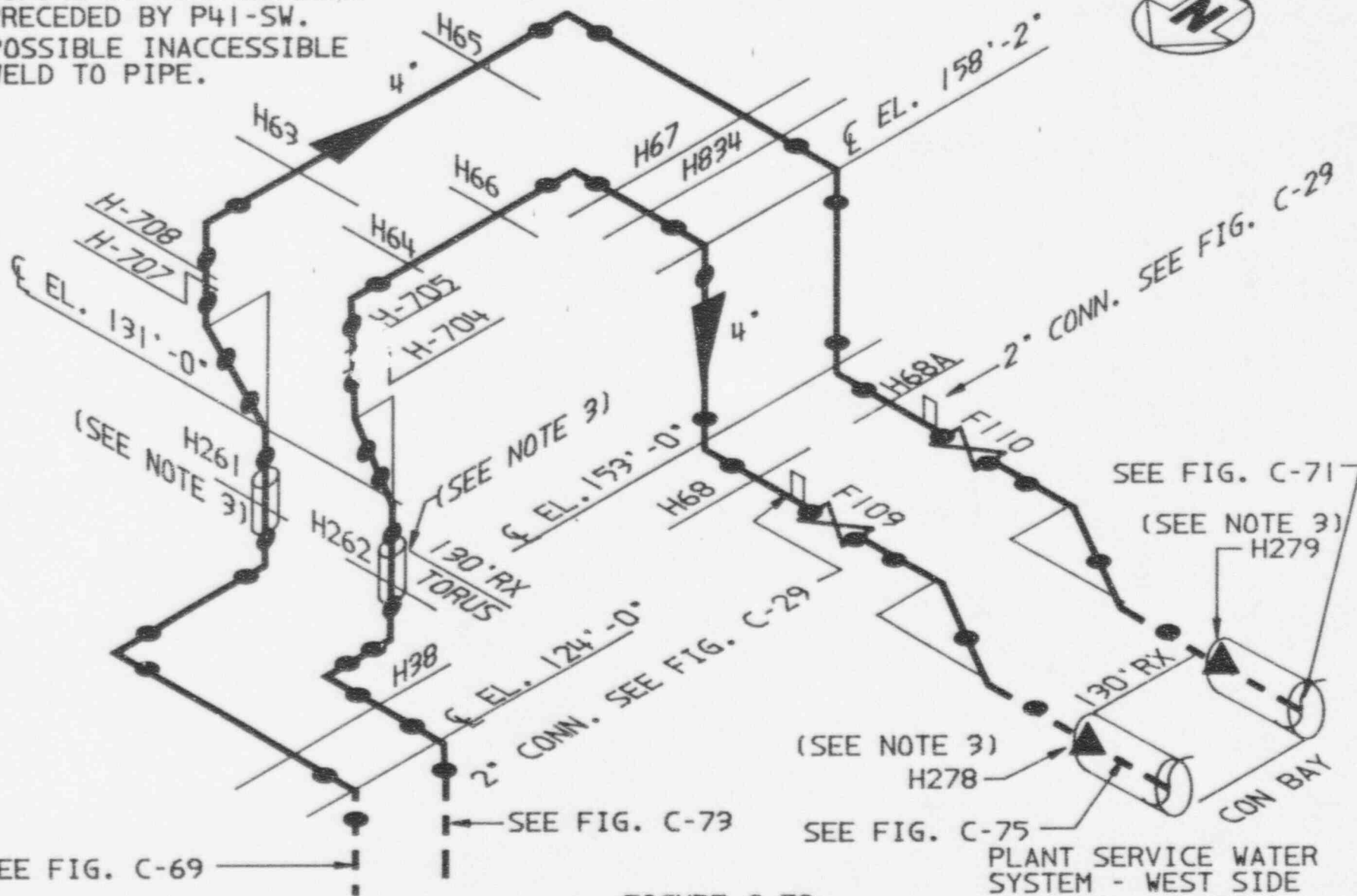
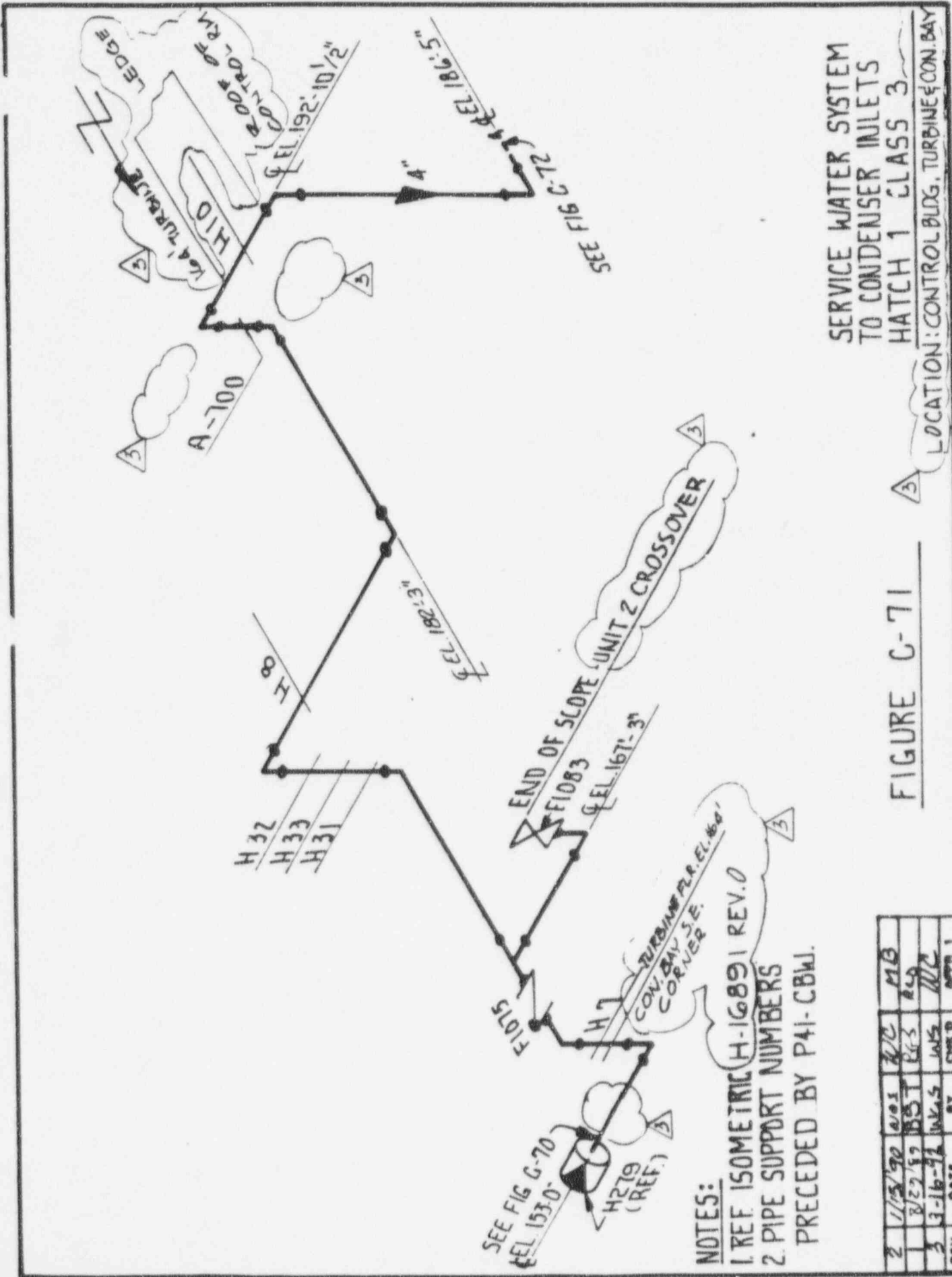


FIGURE C-70

PLANT SERVICE WATER SYSTEM - WEST SIDE HATCH I - CLASS 3
 LOCATION: REACTOR BLDG. & TORUS

2	2-16-93	CK	WS	WC
1	3-16-92	GS	WGS	WHC
REV.	DATE	BY	CHK'D	APPR. 1



NOTES:

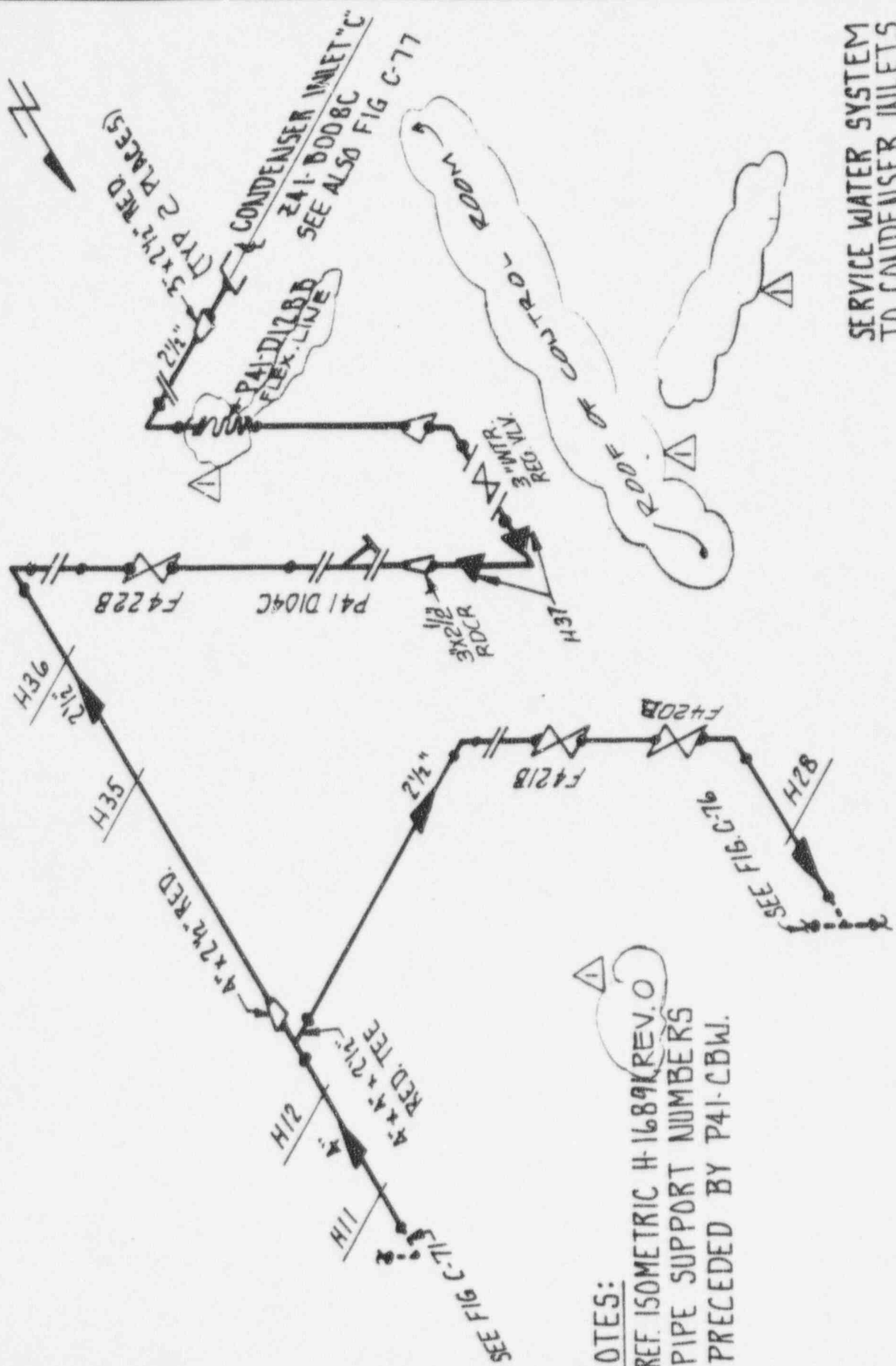
- 1. REF ISOMETRIC H-16891 REV.0
- 2. PIPE SUPPORT NUMBERS PRECEDED BY P41-CBWJ.

SERVICE WATER SYSTEM
TO CONDENSER INLETS
HATCH 1 CLASS 3

LOCATION: CONTROL BLDG. TURBINE & CON. BAY

FIGURE C-71

REV	DATE	BY	CHKD	APP'R
2	11/28/90	MB	MB	MB
1	8/22/89	MB	MB	MB
3	3-16-91	JWS	JWS	JWS



SERVICE WATER SYSTEM
TO CONDENSER INLETS
HATCH 1 CLASS 3
LOCATION: CONTROL BUILDING

FIGURE C-72

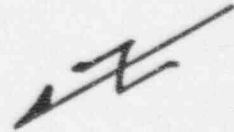
NOTES:
1. REF. ISOMETRIC H-1689 (REV. 0)
2. PIPE SUPPORT NUMBERS
PRECEDED BY P41-CBW.

REV	DATE	BY	CHK'D	APPR 1
1	5-16-52	NLS	MS	W/C
0	8/7/57	SDH	CYD	MB

SEE FIG. C-39

H 9
(REF.)

SEE FIG. C-45
REF. ISO. H-16897



SEE FIG C-61
EL. 122'-10"

PEN. X-20

BAY 13
BAY 14

H 10
H 11
2" CONDUIT
SEE FIG C-49 (SEE NOTE 3)

BAY 14
BAY 15

EL. 119'-7"

SEE FIG C-70
EL. 124'-0"

8"

F049
1/4 16



INSULATED
PLANT SERVICE WATER
SYSTEM - WEST SIDE
HATCH 1 - CLASS 3
LOCATION: TORUS

- NOTES:
1. REF. ISOMETRIC H-16894 **REV. 3**
 2. PIPING SUPPORT NUMBERS PRECEDED BY P41-SW.

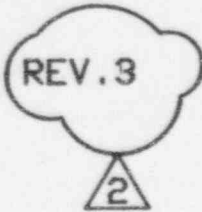
SEE FIG C-74

FIGURE C-73

2	3-16-92	WGS	WS	WC
1	3/23/89	BST	BS	RS
3	2-11-93	WGS	GS	WC
REV.	DATE	BY	CHK'D	APPR. 1

NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY P41-SW-
2. REFERENCE ISJ. H-16894 (REV.3)



SEE FIG. C-73

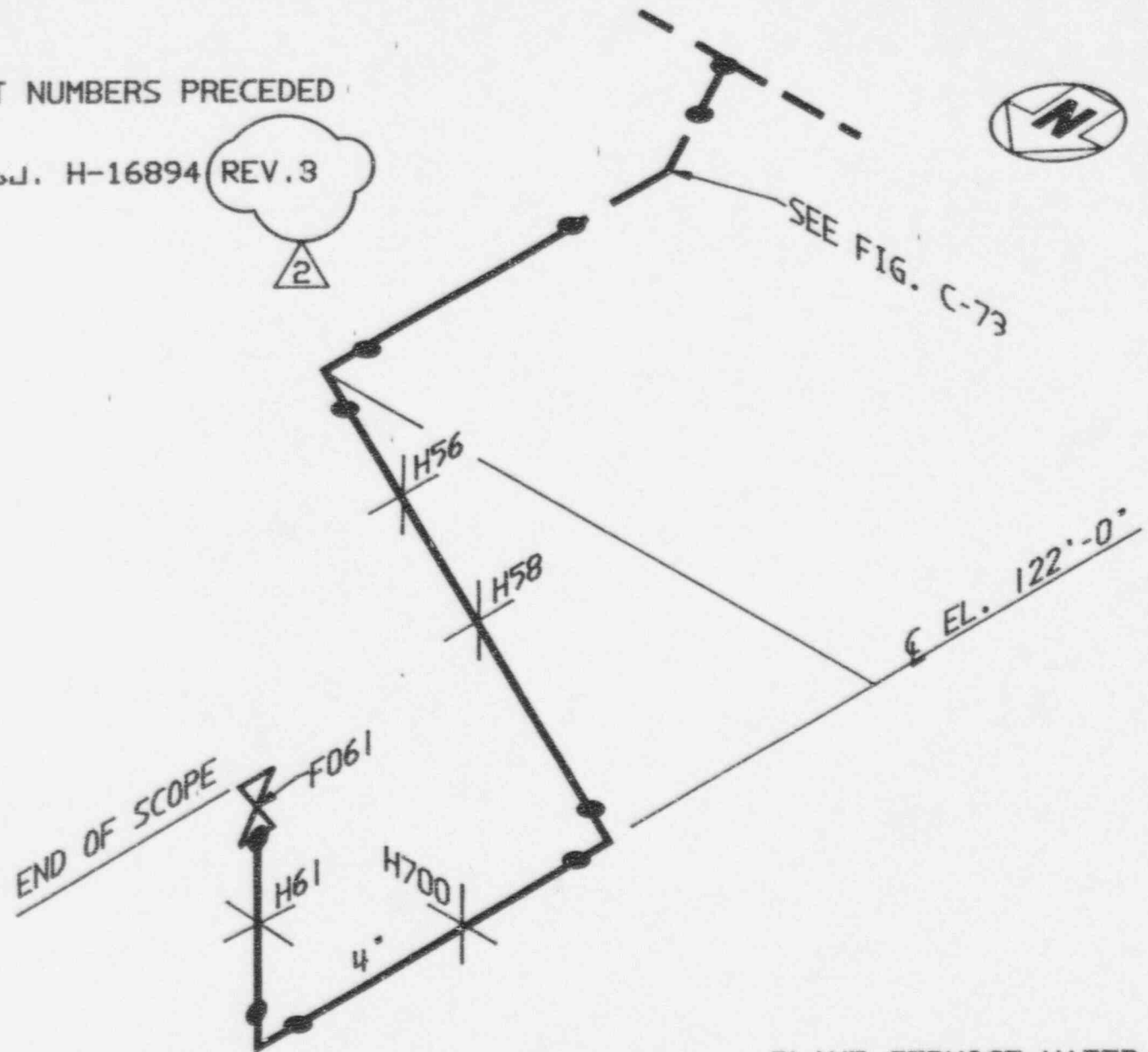
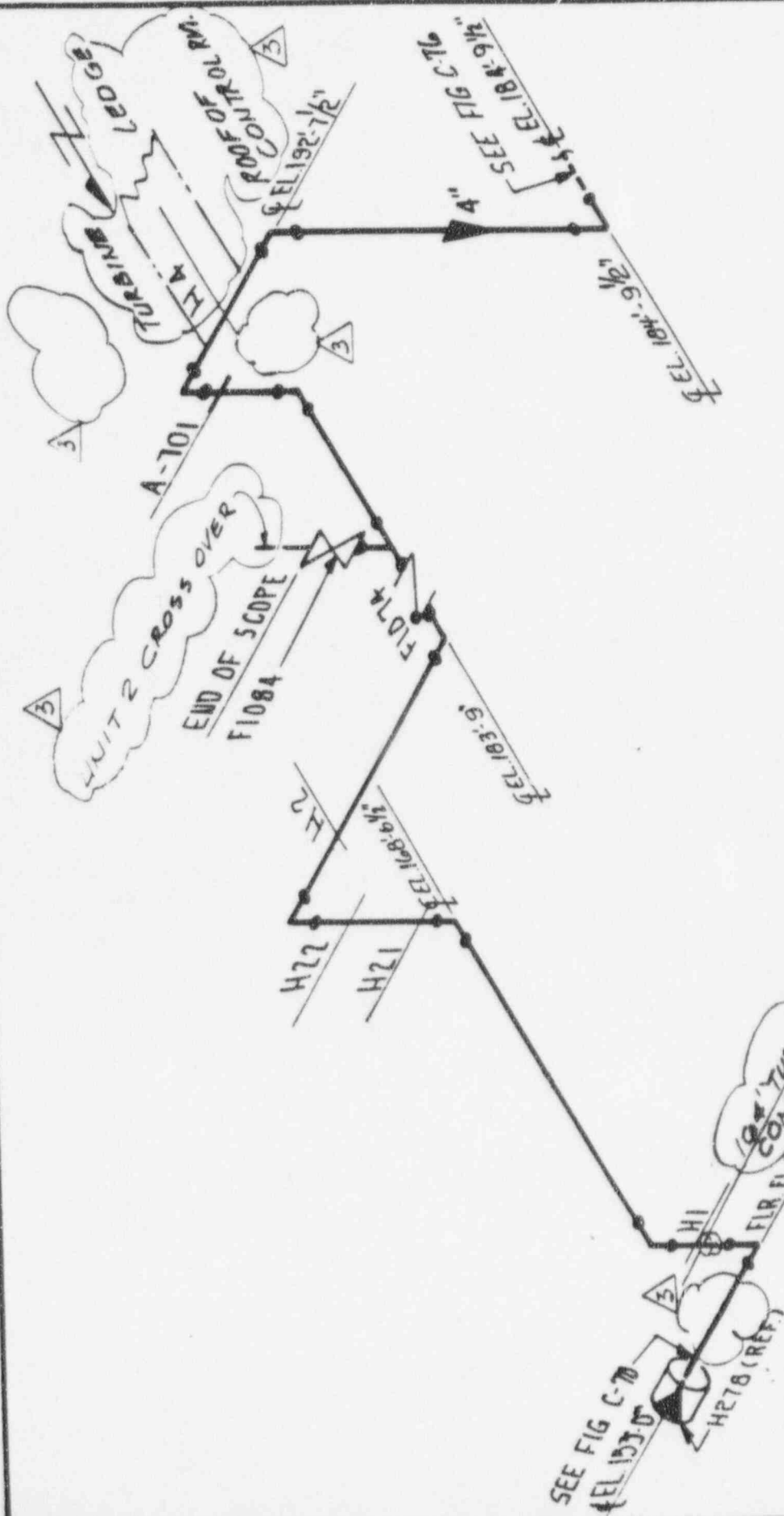


FIGURE C-74

PLANT SERVICE WATER SYS. -
 WEST SIDE
 HATCH 1 - CLASS 3
 LOCATION: REACTOR BLDG.

2	2-16-93	Y8	WS	WC
1	3-16-92	WGS	WS	WC
REV.	DATE	BY	CHK'D	APPR. 1



NOTES:
 1. REF. ISOMETRIC H-1689 (REV. 0)
 2. PIPE SUPPORT NUMBERS PRECEDED BY PAI-CBW.

REV	DATE	BY	CHKD	APPR 1
2	1/15/90	W.S.	B/C	M.B.
1	8/25/89	B.S.T.	B.G.S.	R.D.
3	3-16-90	W.S.	W.S.	B/C

FIGURE C-75

SERVICE WATER SYSTEM
 TO CONDENSER INLETS
 HATCH 1 CLASS 3

LOCATION: CONTROL BAY, TURBINE & CON BAY

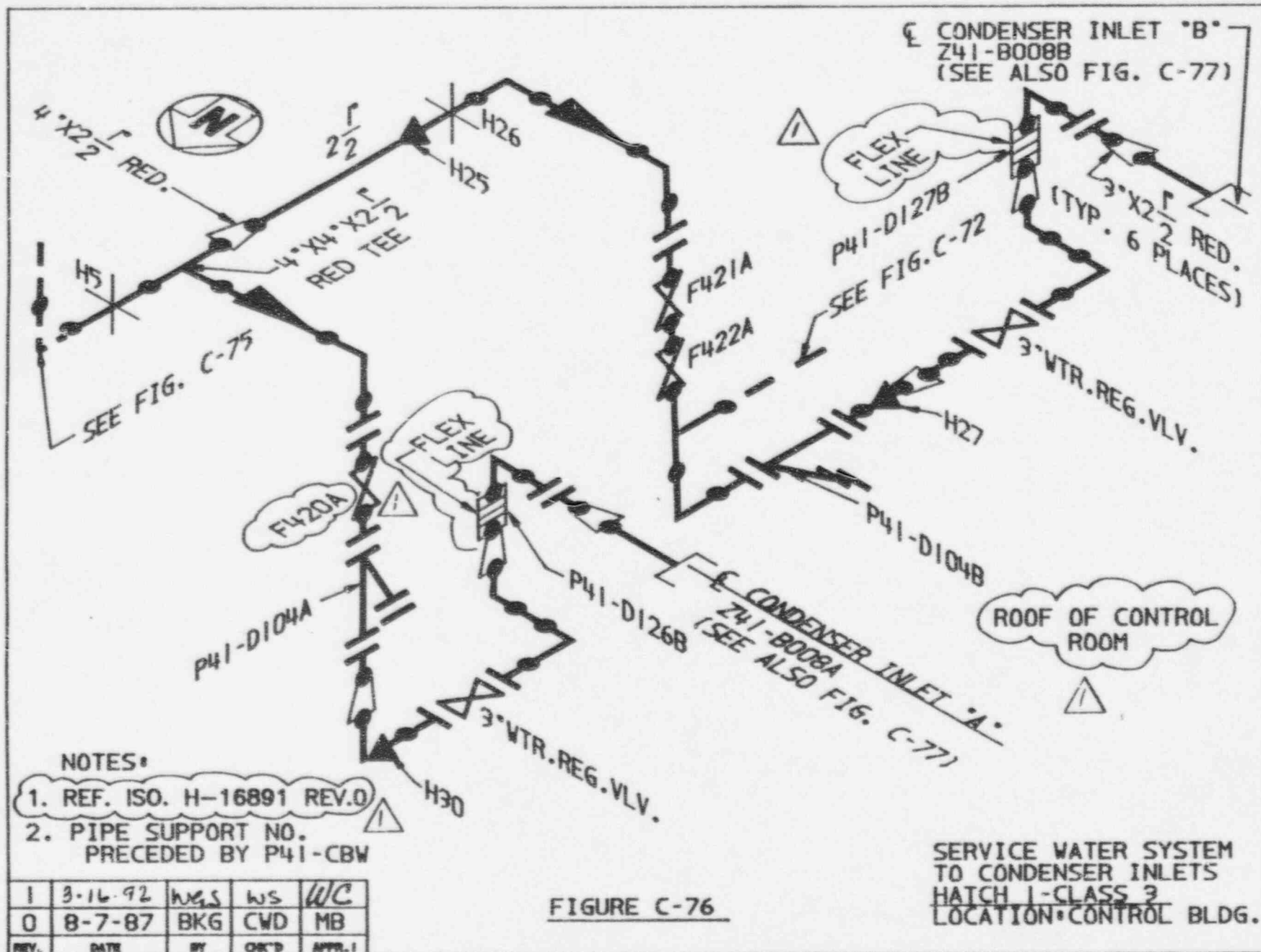
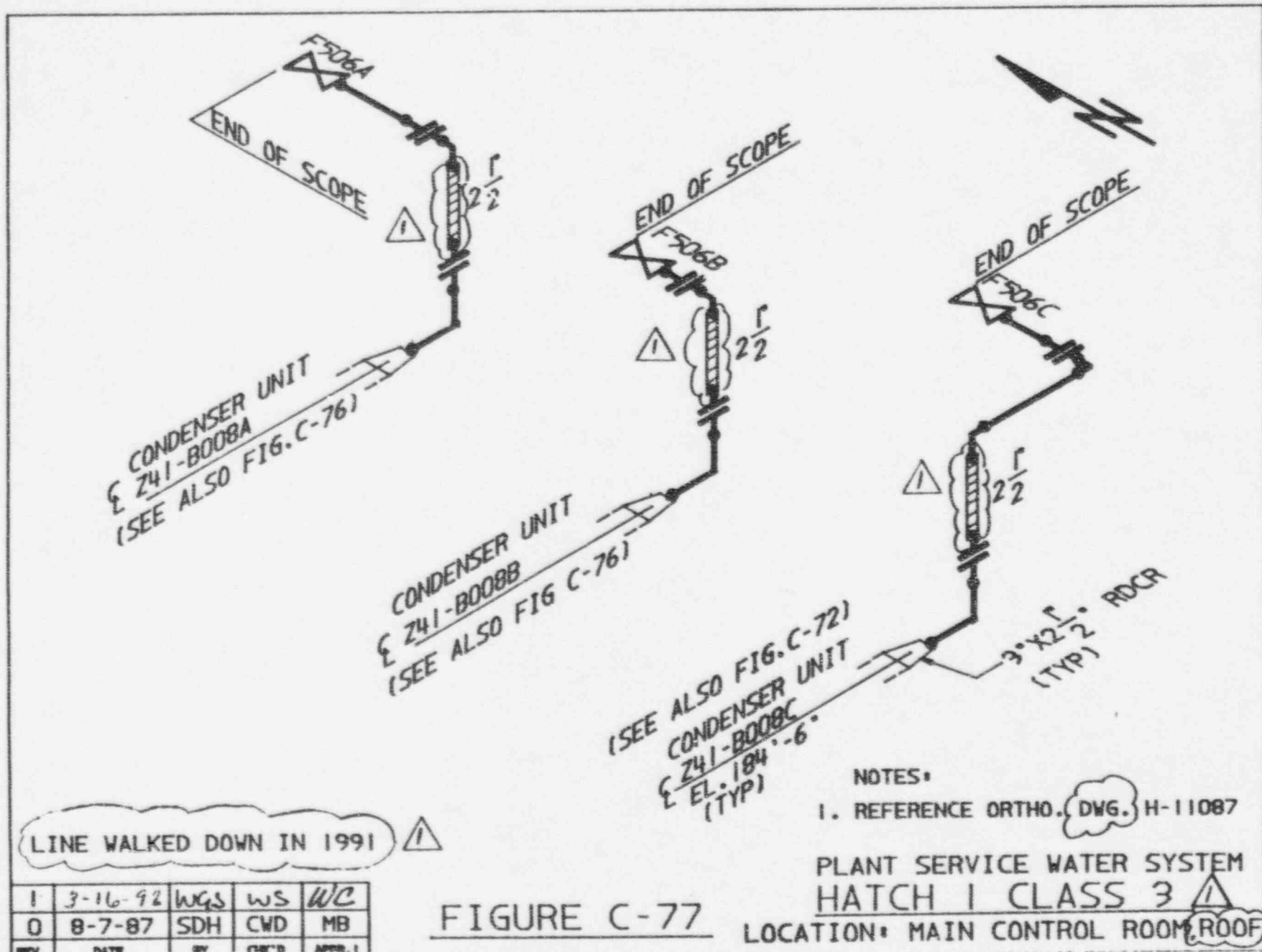


FIGURE C-76

SERVICE WATER SYSTEM
TO CONDENSER INLETS
HATCH 1-CLASS 3
LOCATION: CONTROL BLDG.



LINE WALKED DOWN IN 1991

1	3-16-92	WGS	WS	WC
0	8-7-87	SDH	CWD	MB
REV.	DATE	BY	CHK'D	APPR.1

FIGURE C-77

NOTES:
1. REFERENCE ORTHO. DWG. H-11087

PLANT SERVICE WATER SYSTEM
HATCH I CLASS 3

LOCATION: MAIN CONTROL ROOM ROOF

NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY B21-
2. REFERENCE ISO. H-16800 REV.1 3
3. • SUPPORT IS ALSO SHOWN ON FIG.C-79
4. •• SUPPORT IS ALSO SHOWN ON FIG.C-89

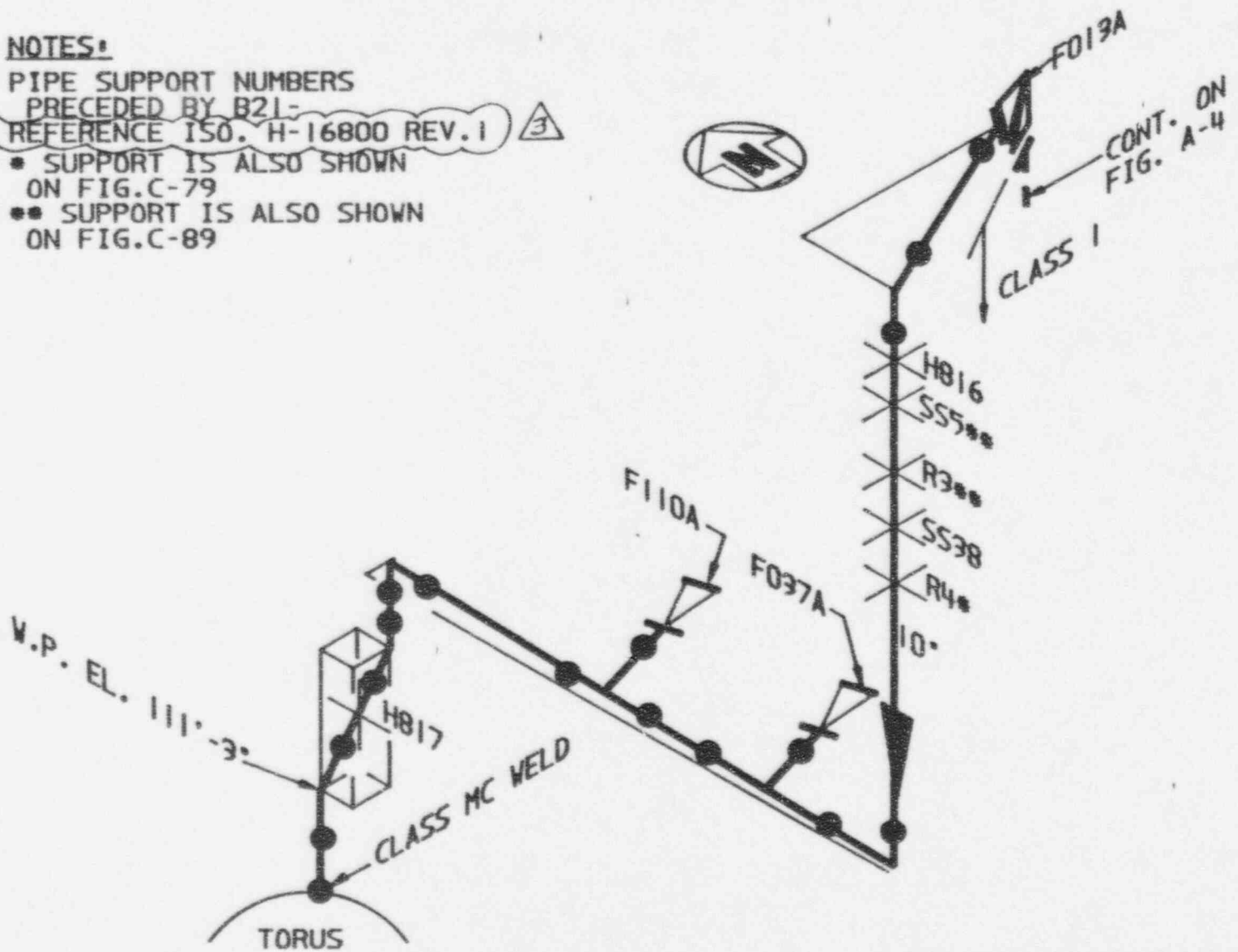


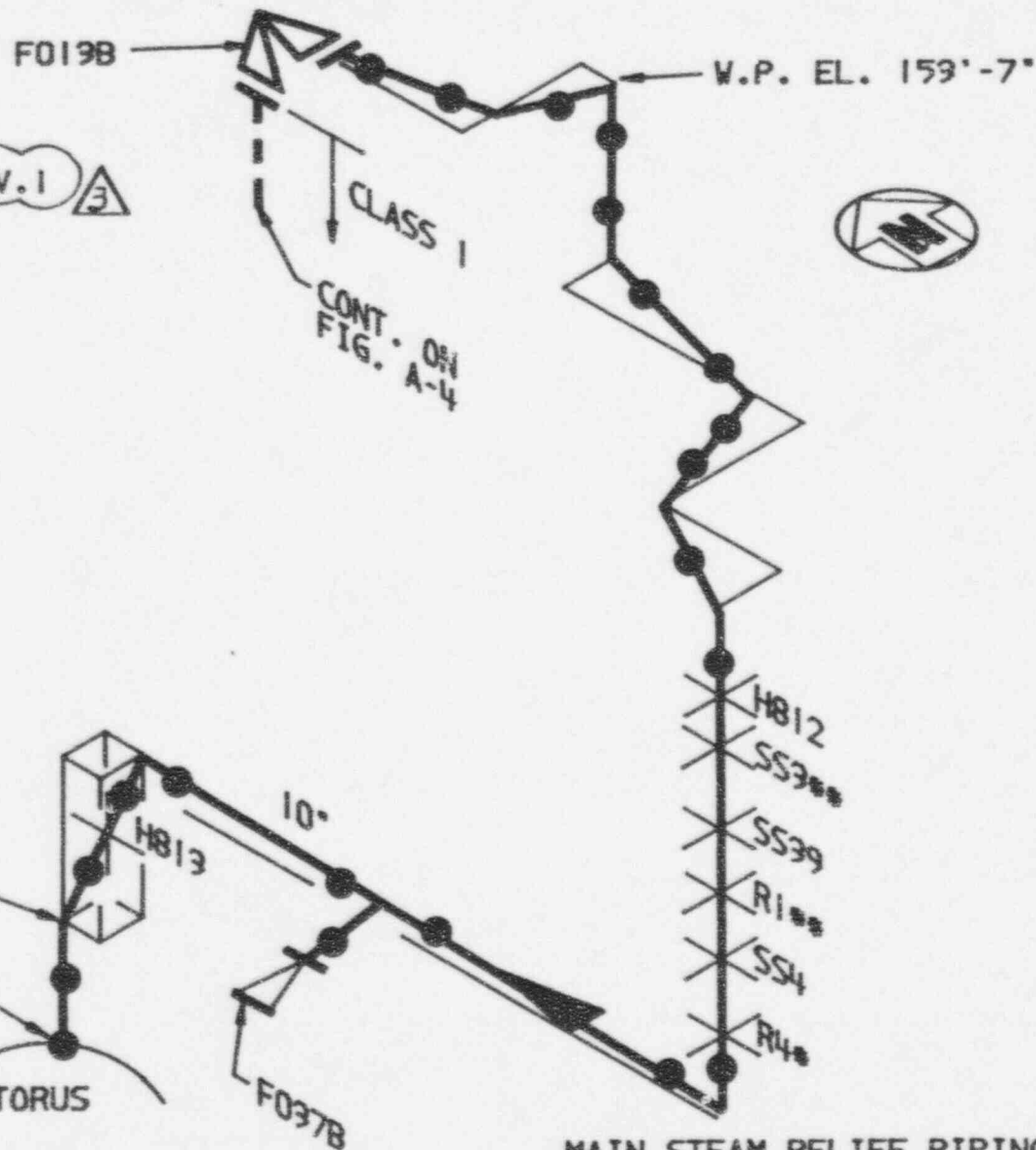
FIGURE C-78

MAIN STEAM RELIEF PIPING
 HATCH 1-CLASS 3
 LOCATION: DRYWELL 3

REV.	DATE	BY	CHK'D	APPR.1
3	9-16-72	WMS	WS	WC
2	10-18-89	WS	RLD	MB

NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY B21-
2. REFERENCE ISO. H-16800 REV.1
3. * SUPPORT IS ALSO SHOWN ON FIG.C-78
4. ** SUPPORT IS ALSO SHOWN ON FIG.C-90



W.P. EL. 110'-0"
CLASS MC WELD
TORUS

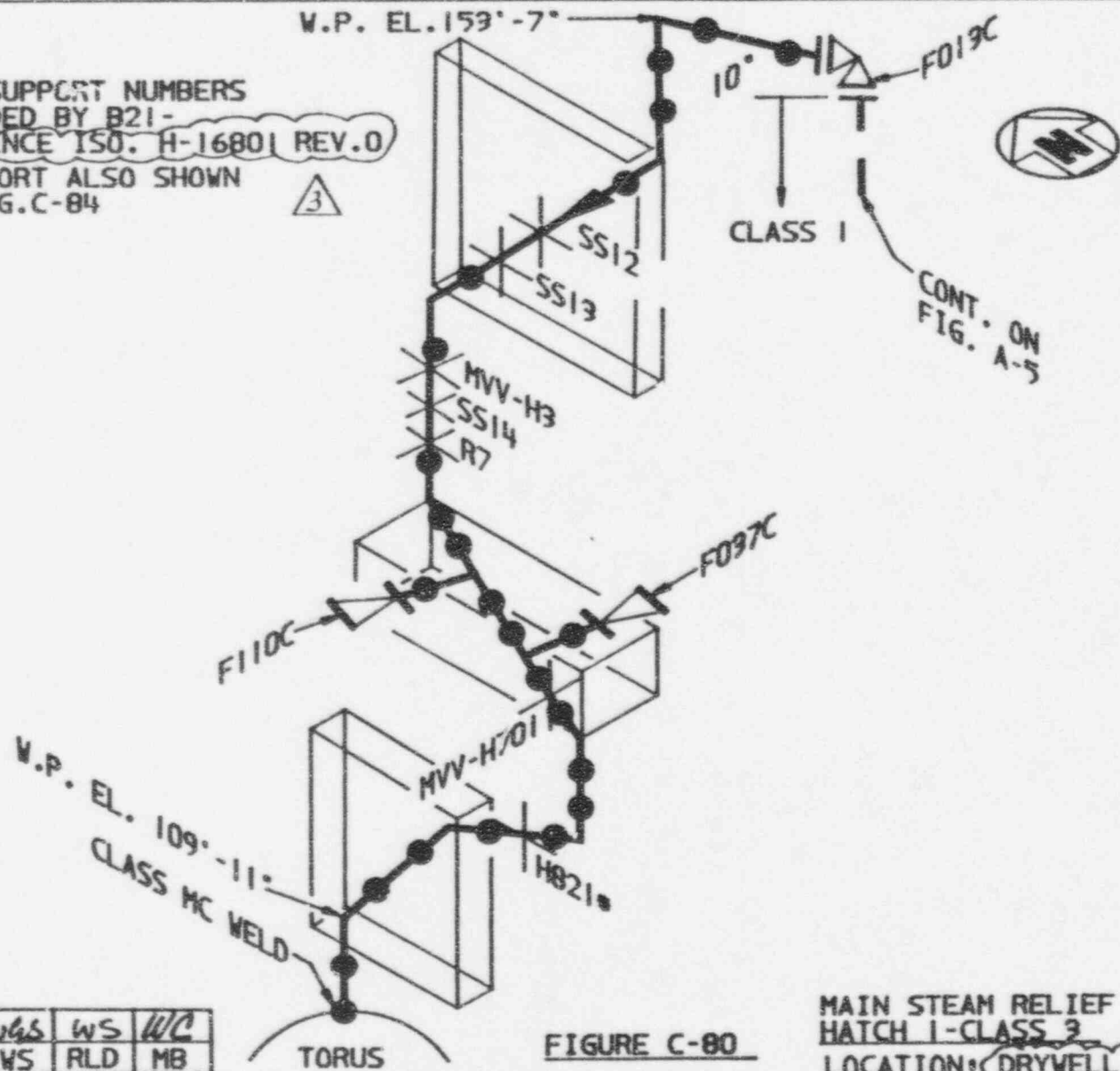
FIGURE C-79

MAIN STEAM RELIEF PIPING
HATCH 1-CLASS 3
LOCATION: DRYWELL

3	3-16-92	WYS	WS	WC
2	10-18-89	WS	RLD	MB
REV.	DATE	BY	CHK'D	APPR.1

NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY B21-
2. REFERENCE ISO. H-16801 REV.0
3. * SUPPORT ALSO SHOWN ON FIG.C-84



CONT. ON
FIG. A-5

3	3-16-12	WGS	WS	WC
2	10-19-89	WS	RLD	MB
REV.	DATE	BY	CHK'D	APPR.1

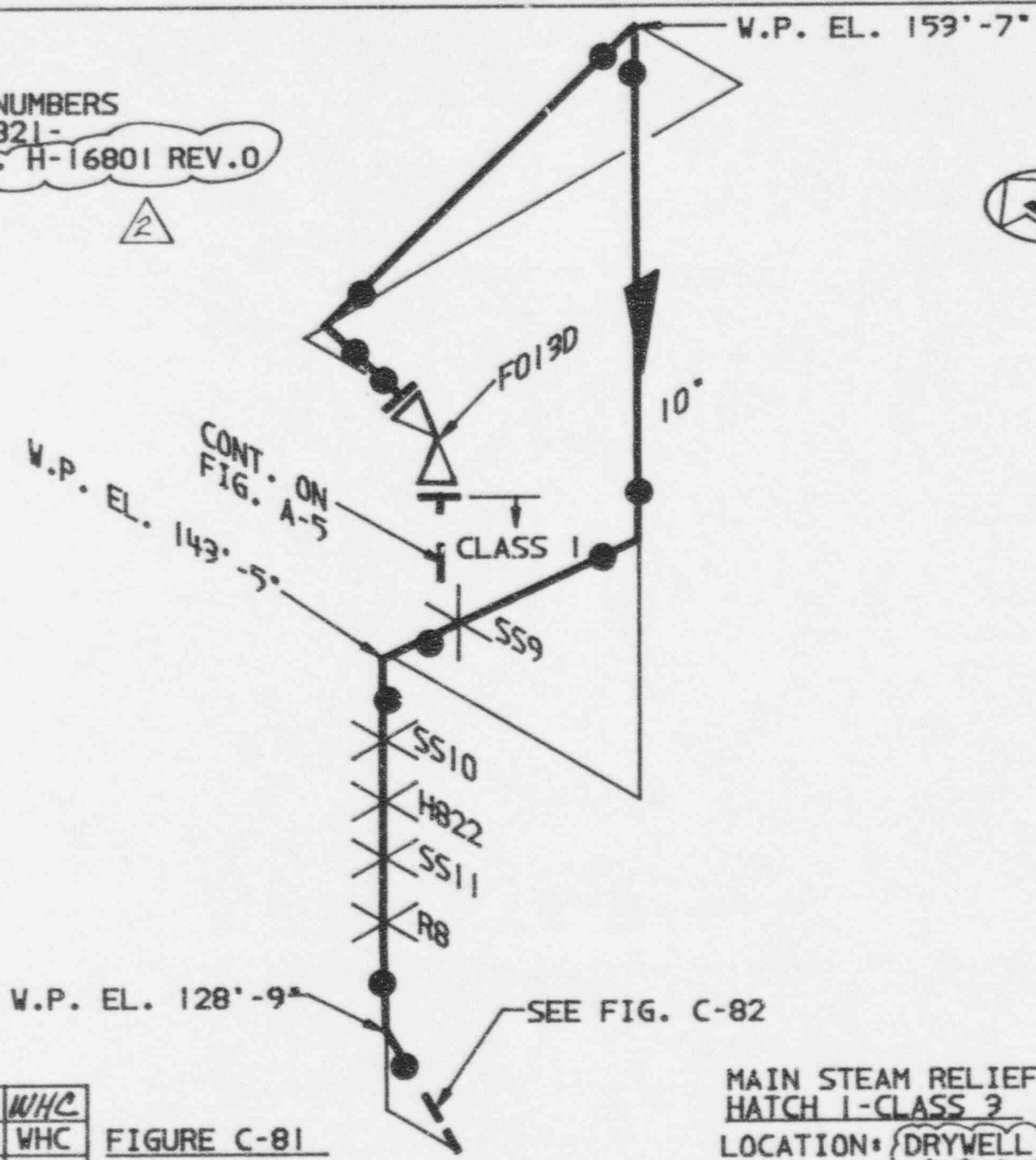
FIGURE C-80

MAIN STEAM RELIEF PIPING
HATCH 1-CLASS 3
LOCATION: DRYWELL

NOTES:

- 1. PIPE SUPPORT NUMBERS PRECEDED BY B21-
- 2. REFERENCE ISO. H-16801 REV.0

2



W.P. EL. 128'-9"

SEE FIG. C-82

MAIN STEAM RELIEF PIPING
 HATCH 1-CLASS 3
 LOCATION: DRYWELL 2

2	3-16-92	WYS	WS	WHC
1	9-29-88	SDH	RLD	WHC
REV.	DATE	BY	CHK'D	APPR.1

FIGURE C-81

SEE FIG. C-81

W.P. EL. 128'-9"

NOTES:

- 1. PIPE SUPPORT NUMBERS PRECEDED BY B21-
- 2. REFERENCE ISO. H-16801 REV.0

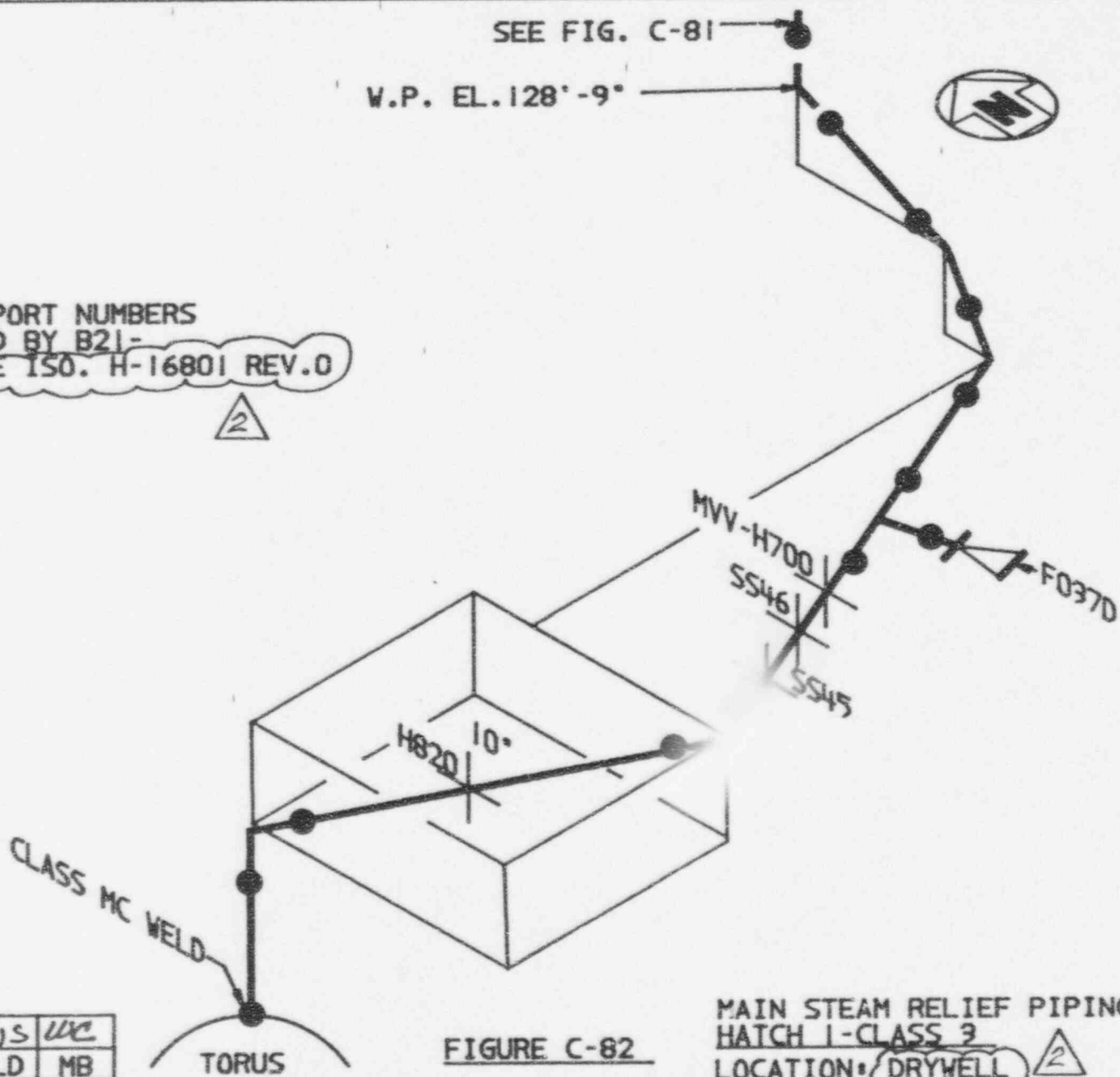
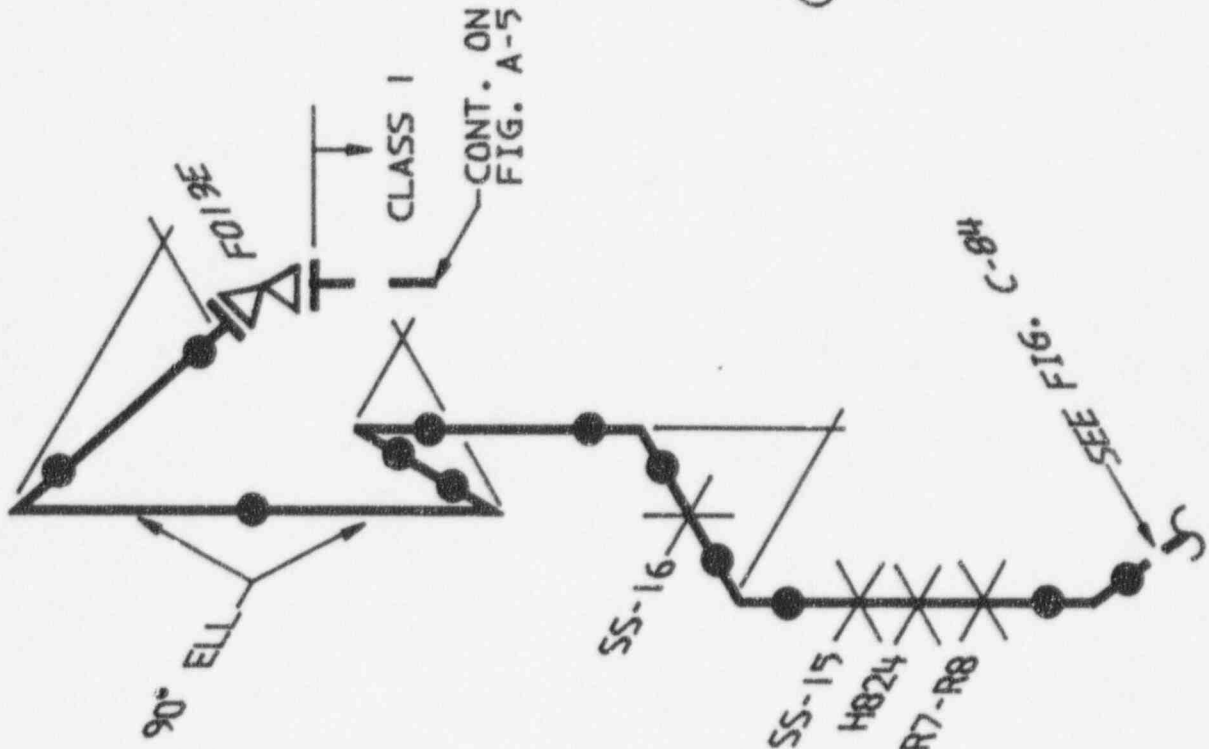


FIGURE C-82

MAIN STEAM RELIEF PIPING
 HATCH 1-CLASS 3
 LOCATION: DRYWELL

2	3-16-92	W&S	WS	UC
1	10-18-89	VS	RLD	MB
REV.	DATE	BY	CHK'D	APP'R.



NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY B21.
2. REFERENCE ISO. H-16804 REV. 1



MAIN STEAM RELIEF PIPING
 HATCH 1-CLASS 2
 LOCATION: DRYWELL

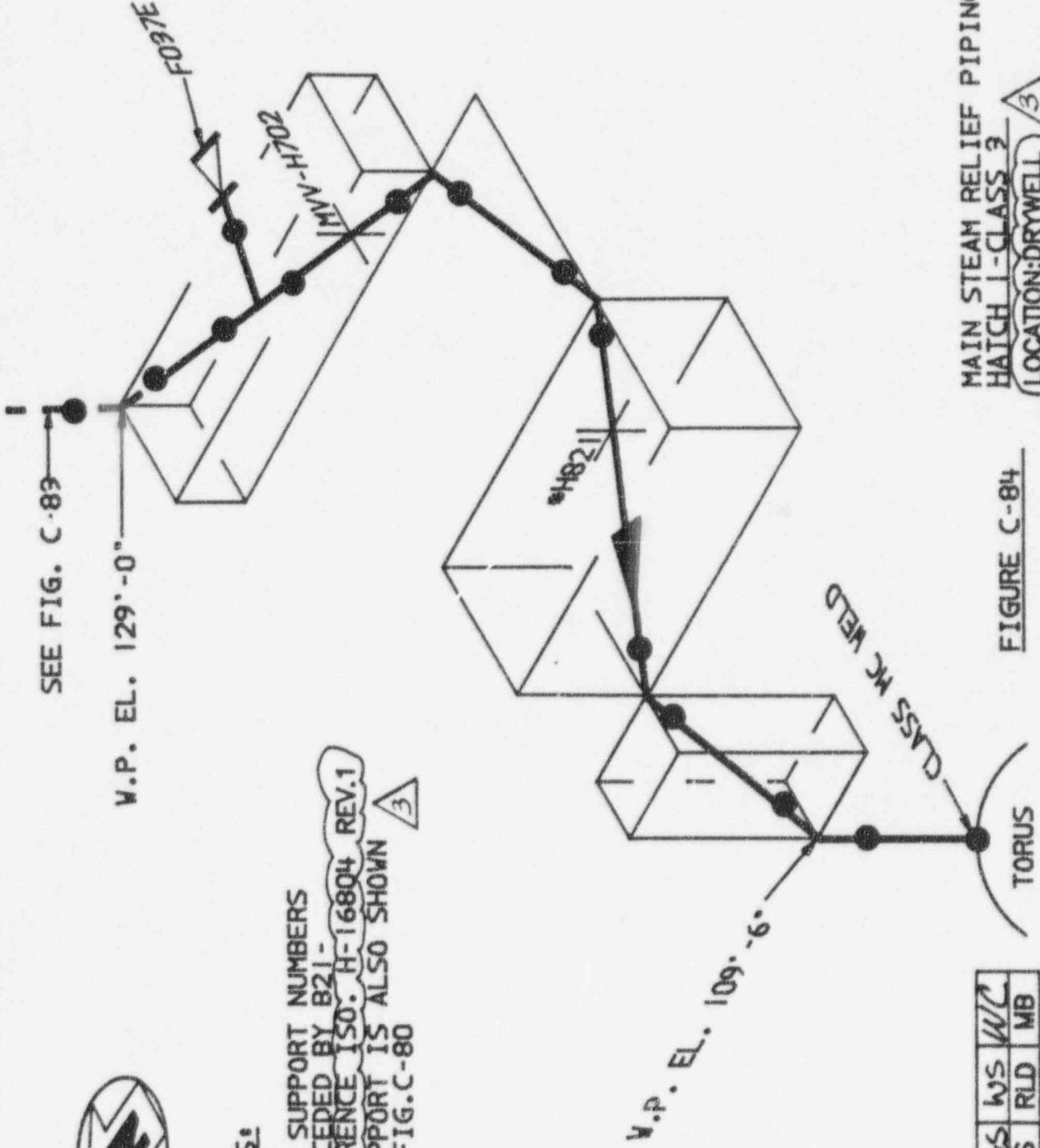
FIGURE C-83

REV.	DATE	BY	CHK'D	APP'D
2	3-16-92	WAS	NS	WHC
1	9-23-88	SDH	RLD	WHC



SEE FIG. C-83

V.P. EL. 129'-0"



NOTES:

- 1. PIPE SUPPORT NUMBERS PRECEDED BY B21 - REFERENCE ISO. H-16804 REV.1
- 2. REFERENCE ISO. H-16804 REV.1
- 3. SUPPORT IS ALSO SHOWN ON FIG. C-80

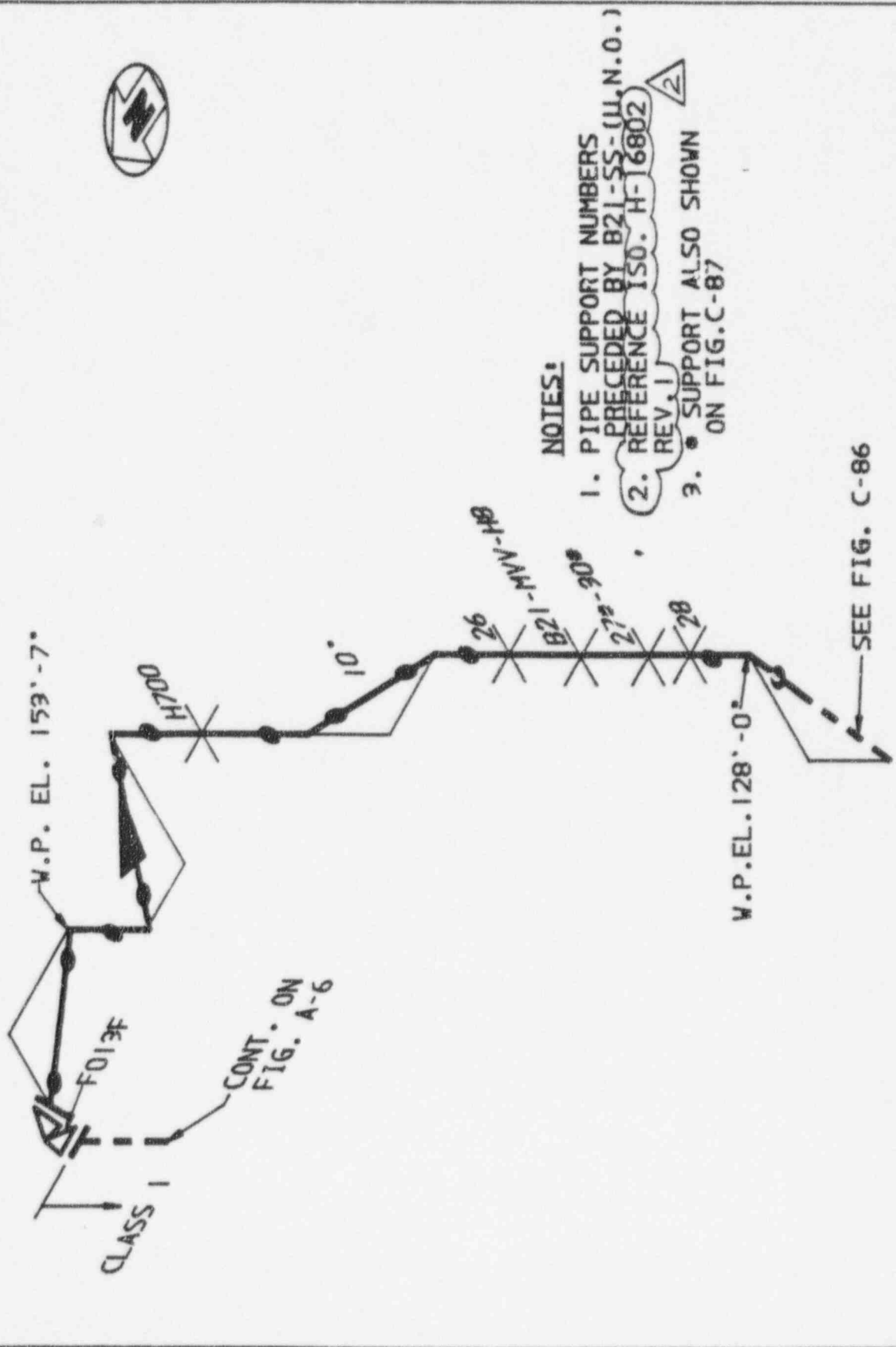


V.P. EL. 109'-6"

MAIN STEAM RELIEF PIPING
 HATCH I-CLASS 3
 LOCATION: DRYWELL 3

FIGURE C-84

REV.	DATE	BY	CHK'D	APPR.
3	3-16-92	WGS	WS	W/C
2	10-18-89	WS	R/D	MB



NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY B21-55-(U,N.O.)
2. REFERENCE ISO. H-16802 REV. 1
3. SUPPORT ALSO SHOWN ON FIG. C-87

SEE FIG. C-86

MAIN STEAM RELIEF PIPING
HATCH 1-CLASS 2
LOCATION: DRYWELL

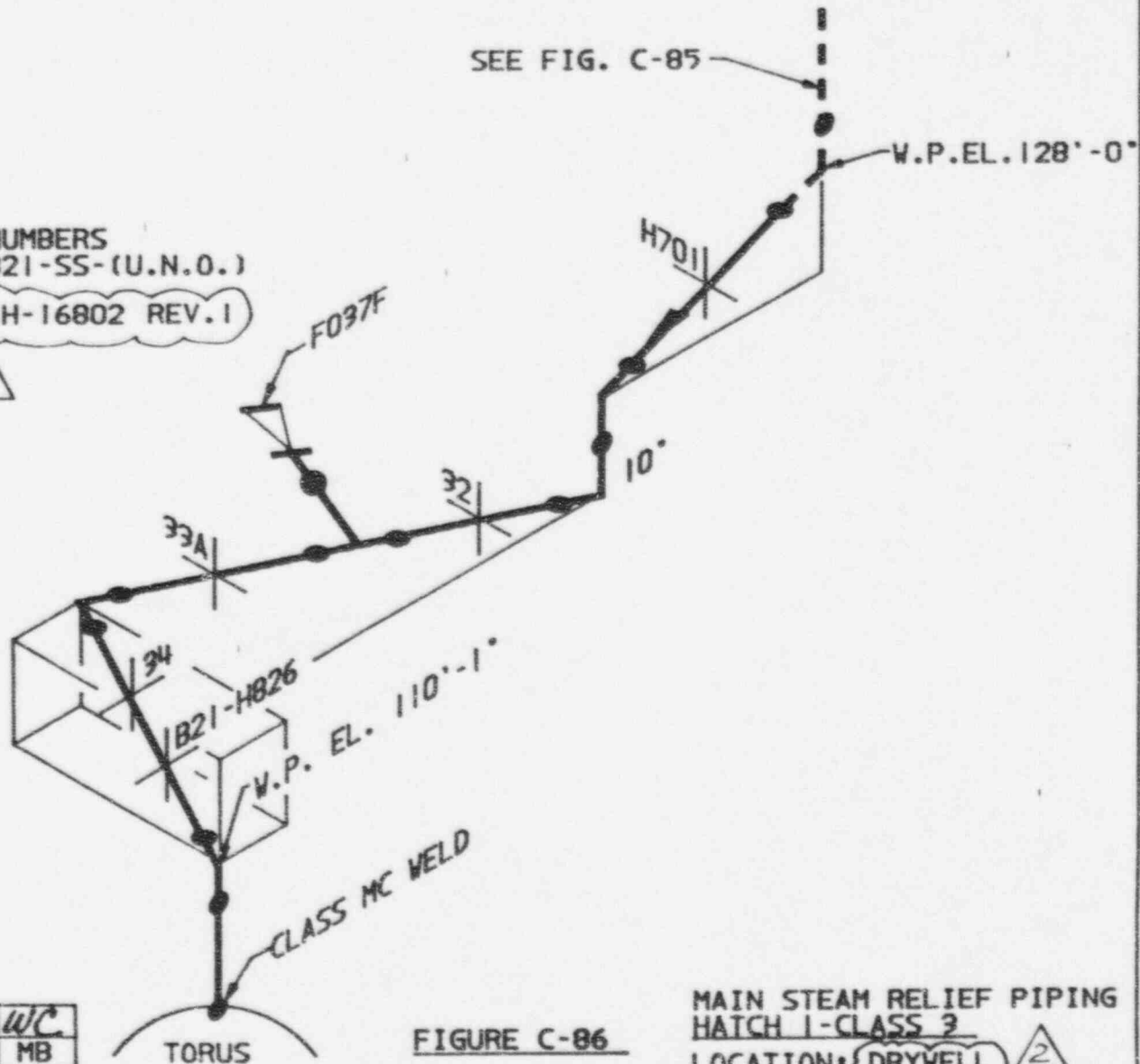
FIGURE C-85

REV.	DATE	BY	CHK'D	W/C	APP. 1
2	3-16-72	WKS	NS	WC	
1	10-11-88	SDH	RLD	VC	



NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY B21-SS-(U.N.O.)
2. REFERENCE ISO. H-16802 REV.1

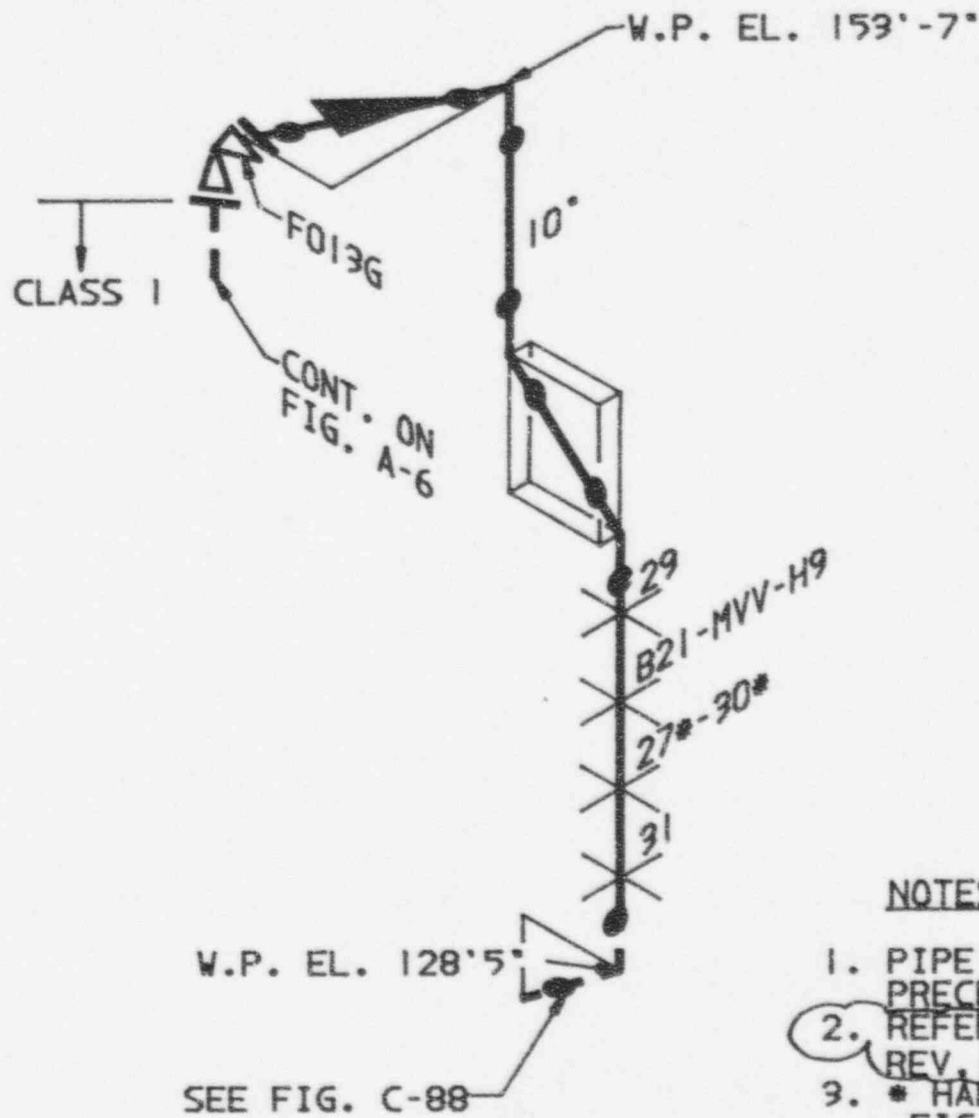


2	3-16-92	WMS	WS	WC
1	10-18-89	WS	RLD	MB
REV.	DATE	BY	CHK'D	APP'R.

FIGURE C-86

**MAIN STEAM RELIEF PIPING
HATCH 1-CLASS 3
LOCATION: DRYWELL**





NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY B21-SS-(U.N.O.)
2. REFERENCE ISO. H-16802 REV. 1
3. * HANGER ALSO SHOWN ON FIG.C-85

SEE FIG. C-88

MAIN STEAM RELIEF PIPING
 HATCH 1-CLASS 3
 LOCATION: DRYWELL

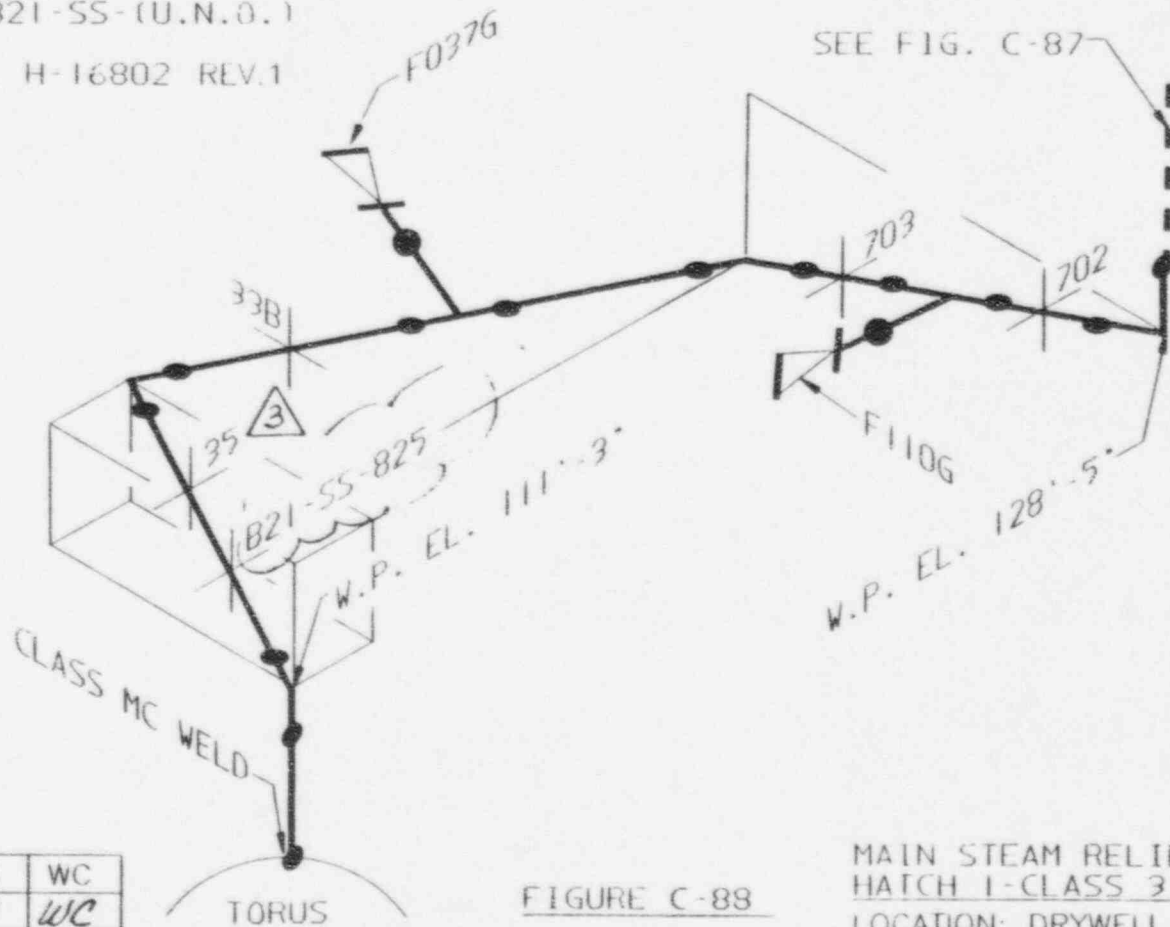
FIGURE C-87

2	3-16-12	WGS	WS	WHC
1	9-23-88	SDH	RLD	WHC
REV.	DATE	BY	CHK'D	APPR. 1



NOTES:

1. PIPE SUPPORT NUMBERS
PRECEDED BY B21-SS-(U.N.O.)
2. REFERENCE ISO. H-16802 REV.1



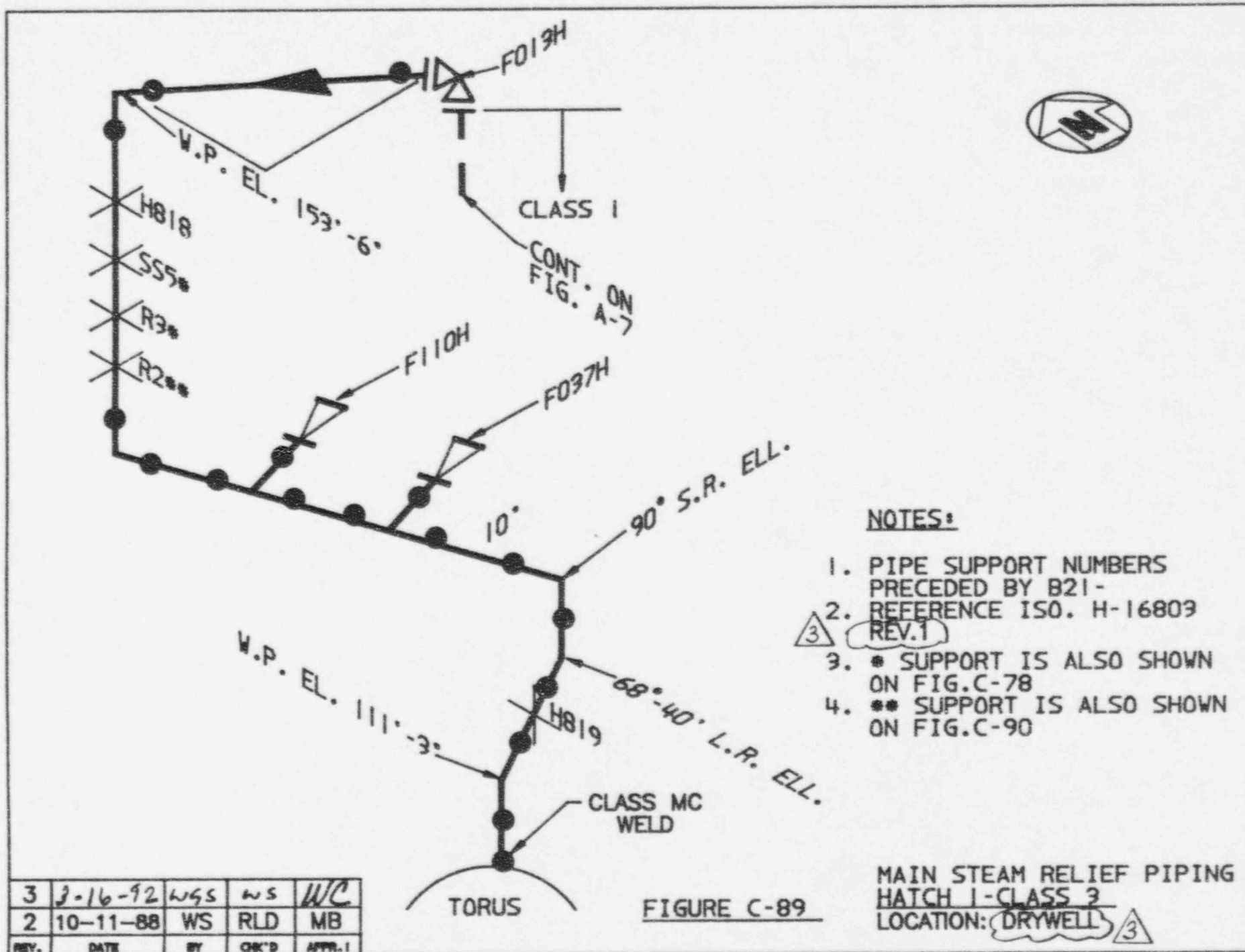
SEE FIG. C-87

W.P. EL. 128'-5"

2	3-16-92	WGS	WS	WC
3	12-15-93	WS	KFW	WC
REV.	DATE	BY	CHK'D	APPR. I

FIGURE C-88

MAIN STEAM RELIEF PIPING
HATCH 1-CLASS 3
LOCATION: DRYWELL



NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY B21-
2. REFERENCE ISO. H-16803
3. * SUPPORT IS ALSO SHOWN ON FIG.C-78
4. ** SUPPORT IS ALSO SHOWN ON FIG.C-90

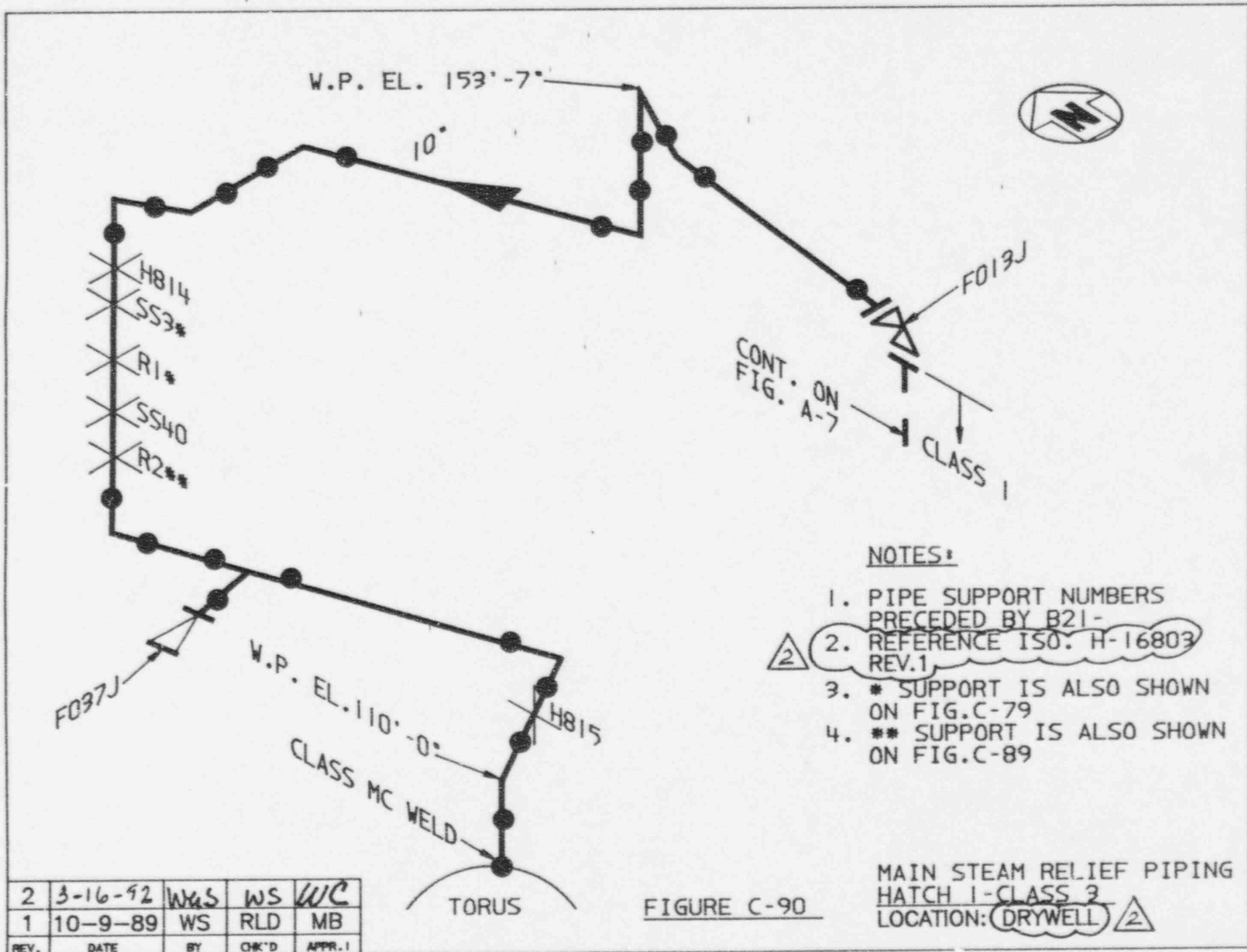
3

REV.1

3	3-16-92	WGS	WS	WC
2	10-11-88	WS	RLD	MB
REV.	DATE	BY	CHK'D	APPR.1

FIGURE C-89

MAIN STEAM RELIEF PIPING
 HATCH 1-CLASS 3
 LOCATION: DRYWELL 3



CONT. ON FIG. A-7

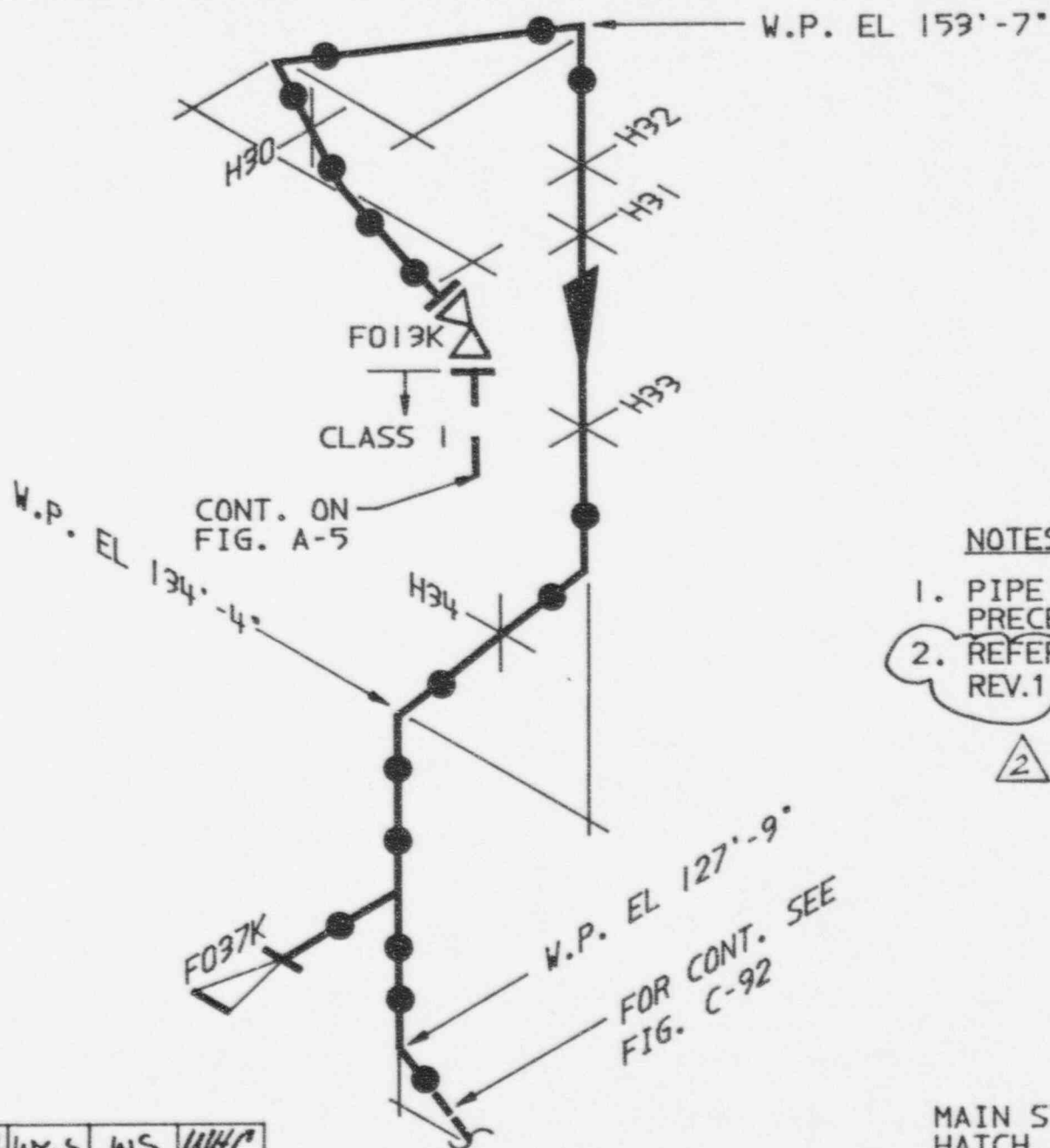
NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY B21-
2. REFERENCE ISO. H-16803 REV.1
3. * SUPPORT IS ALSO SHOWN ON FIG.C-79
4. ** SUPPORT IS ALSO SHOWN ON FIG.C-89

2	3-16-92	W&S	WS	WC
1	10-9-89	WS	RLD	MB
REV.	DATE	BY	CHK'D	APPR.1

FIGURE C-90

MAIN STEAM RELIEF PIPING
 HATCH 1-CLASS 3
 LOCATION: DRYWELL



NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY B21-MVV-
2. REFERENCE ISO. H-16804 REV.1



2	3-16-92	WYS	WS	WHC
1	9-23-88	SDH	RLD	WHC
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE C-91

MAIN STEAM RELIEF PIPING
 HATCH 1-CLASS 3
 LOCATION: DRYWELL 2

NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY B21-MVV-
2. REFERENCE ISO. H-16804 REV.1

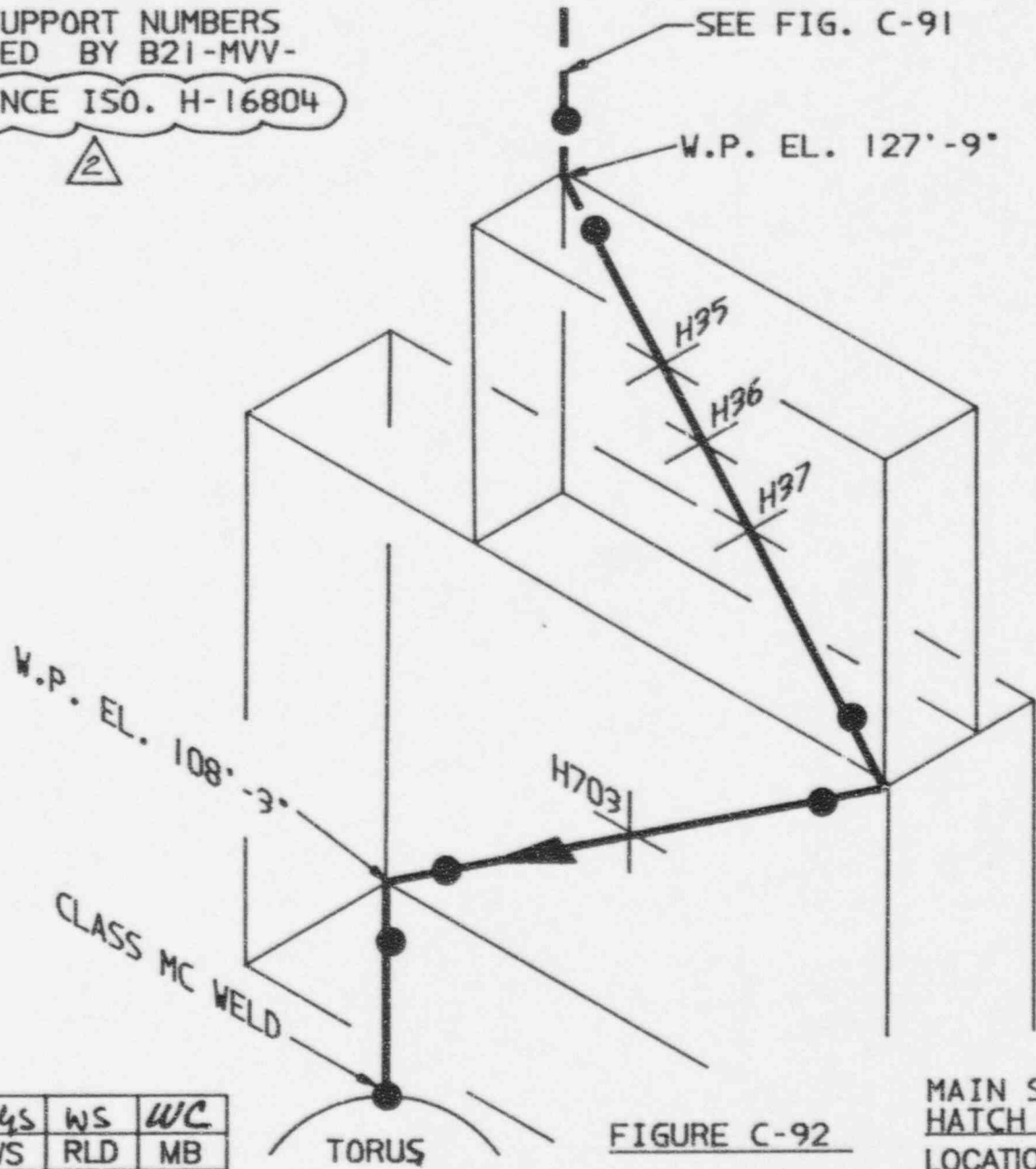
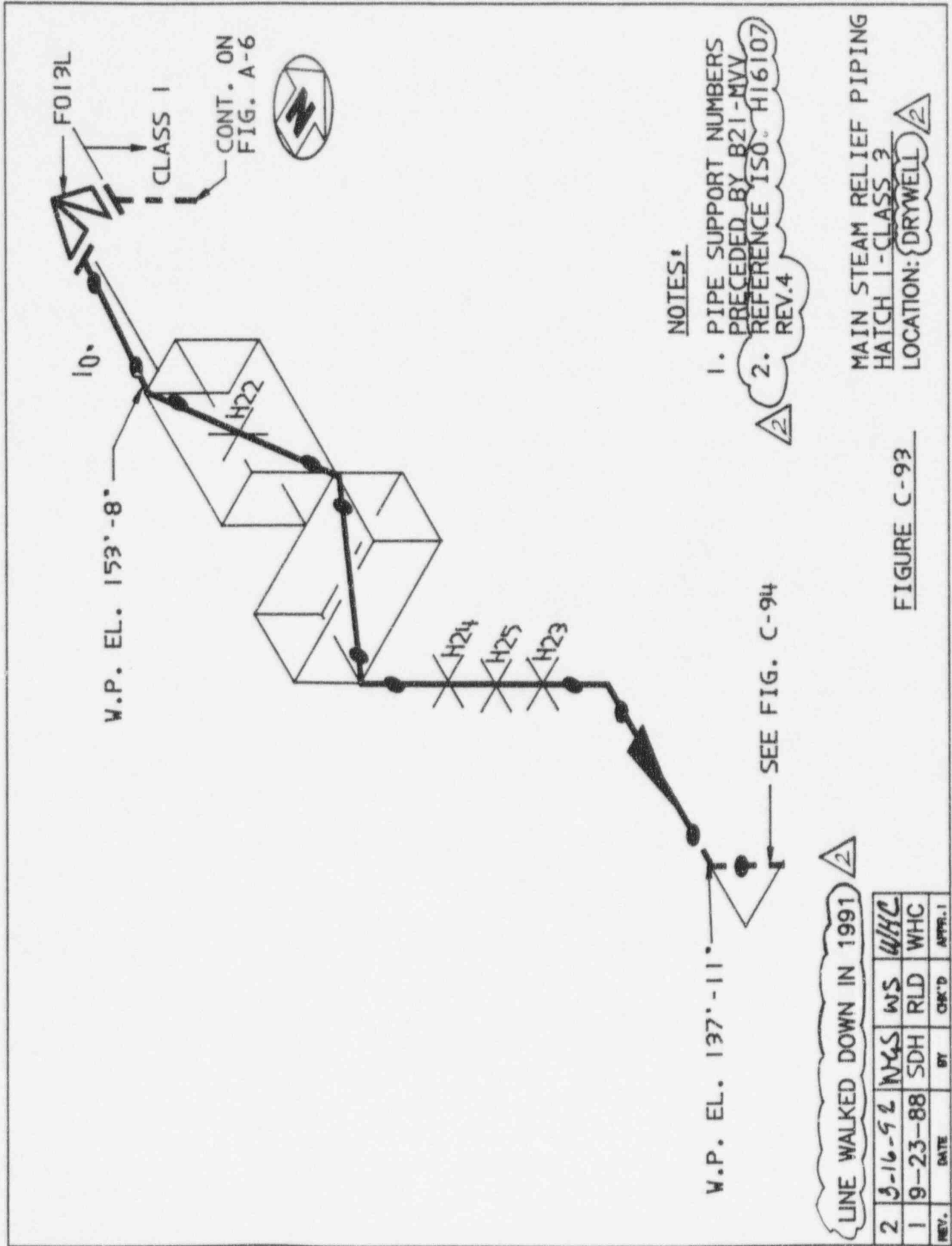


FIGURE C-92

MAIN STEAM RELIEF PIPING
 HATCH 1-CLASS 3
 LOCATION: DRYWELL

2	3-16-72	WYS	WS	WC
1	10-19-87	WS	RLD	MB
REV.	DATE	BY	CHK'D	APPR. 1



NOTES:

- 1. PIPE SUPPORT NUMBERS PRECEDED BY B21-MVV REFERENCE ISO. H16107
- 2. REV.4

SEE FIG. C-94

LINE WALKED DOWN IN 1991

REV.	DATE	BY	CHK'D	APPR.-1
2	3-16-92	WGS	WS	WHC
1	9-23-88	SDH	RLD	WHC

FIGURE C-93

MAIN STEAM RELIEF PIPING
HATCH 1-CLASS 3
LOCATION: DRYWELL

F013L
CLASS 1
CONT. ON FIG. A-6



W.P. EL. 153'-8"

10'

H22

H24

H25

H23

W.P. EL. 137'-11"

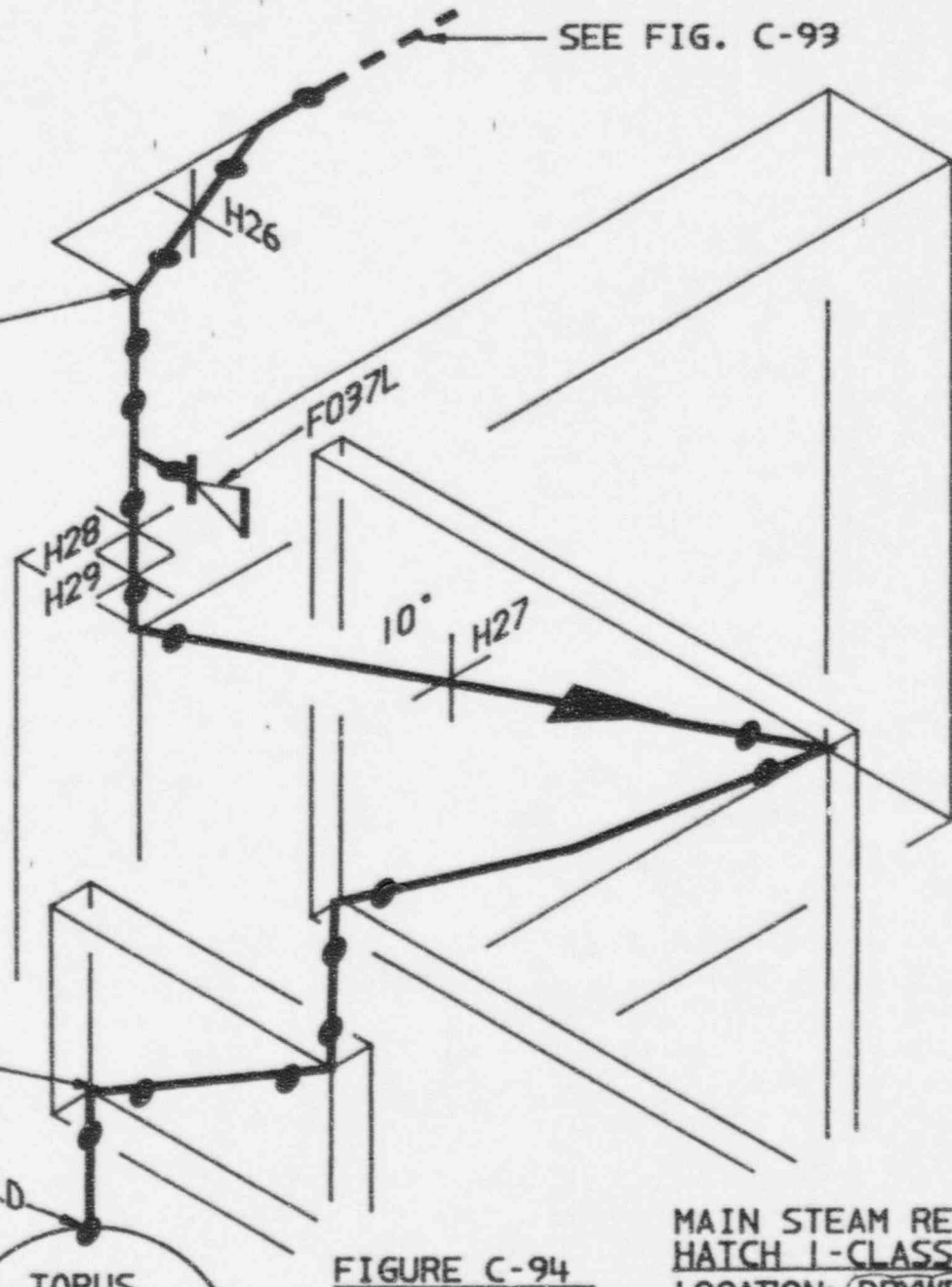
NOTES:

1. PIPE SUPPORT NUMBERS PRECEDED BY B21-MVV-
2. REFERENCE ISO. H-16107

REV.4 

W.P. EL. 197'-11"

SEE FIG. C-93



W.P. EL. 95'-9"


CLASS MC WELD

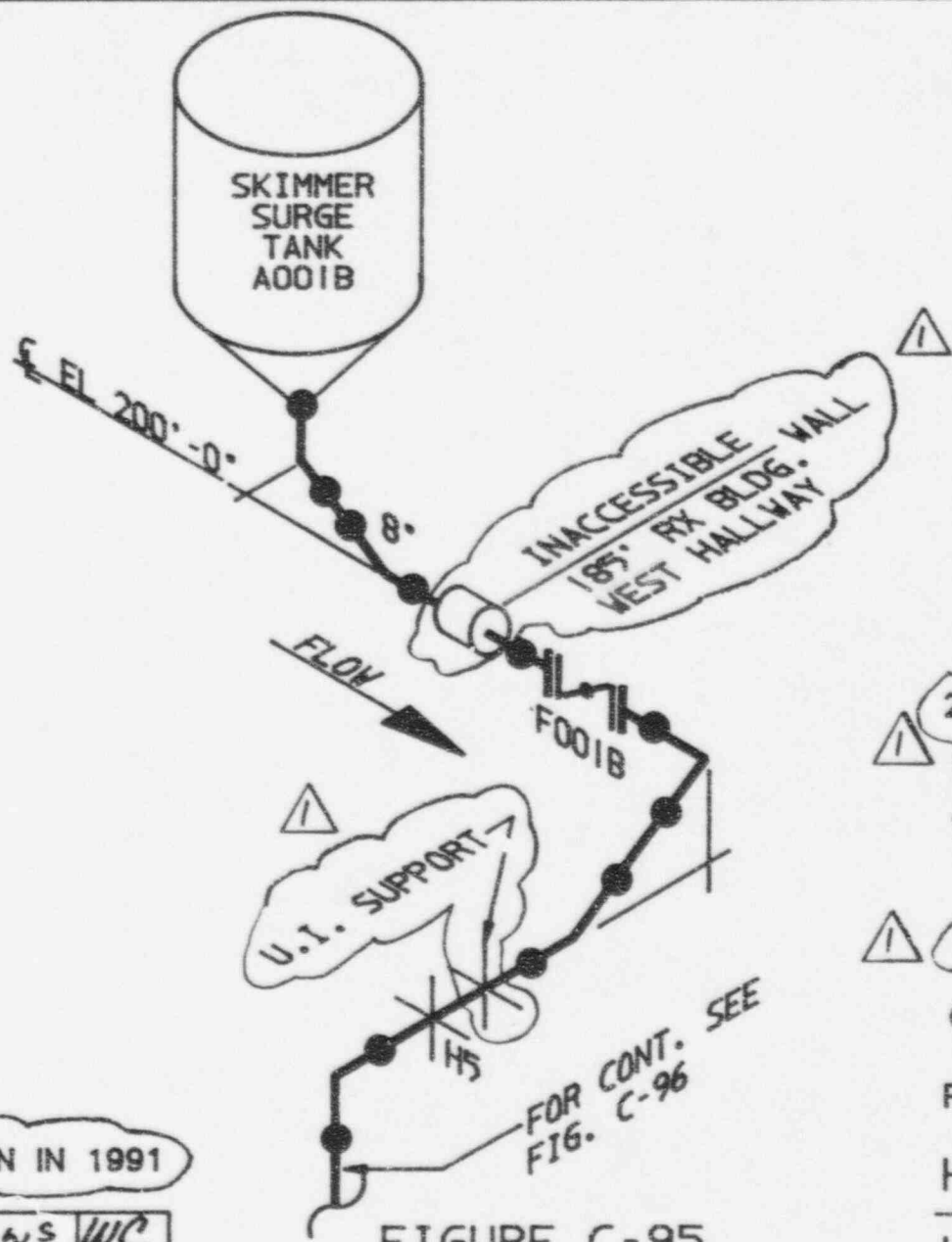
LINE WALKED DOWN IN 1991

2	3-16-92	WGS	WS	WC
1	10-19-89	WS	RLD	MB
REV.	DATE	BY	CHK'D	APPR.1

TORUS

FIGURE C-94

MAIN STEAM RELIEF PIPING
HATCH 1-CLASS 3
LOCATION: DRYWELL 



NOTES:

1. ALL EQUIPMENT AND VALVES ARE PREFIXED BY SYSTEM NUMBER G41, UNLESS NOTED OTHERWISE.

2. REFERENCE FAB. ISO. S-00242 REV. 3 AND S-00243 REV. A

3. PIPE SUPPORT NUMBERS PRECEDED BY G41-PC-

(UNINSULATED)

FUEL POOL COOLING SYSTEM

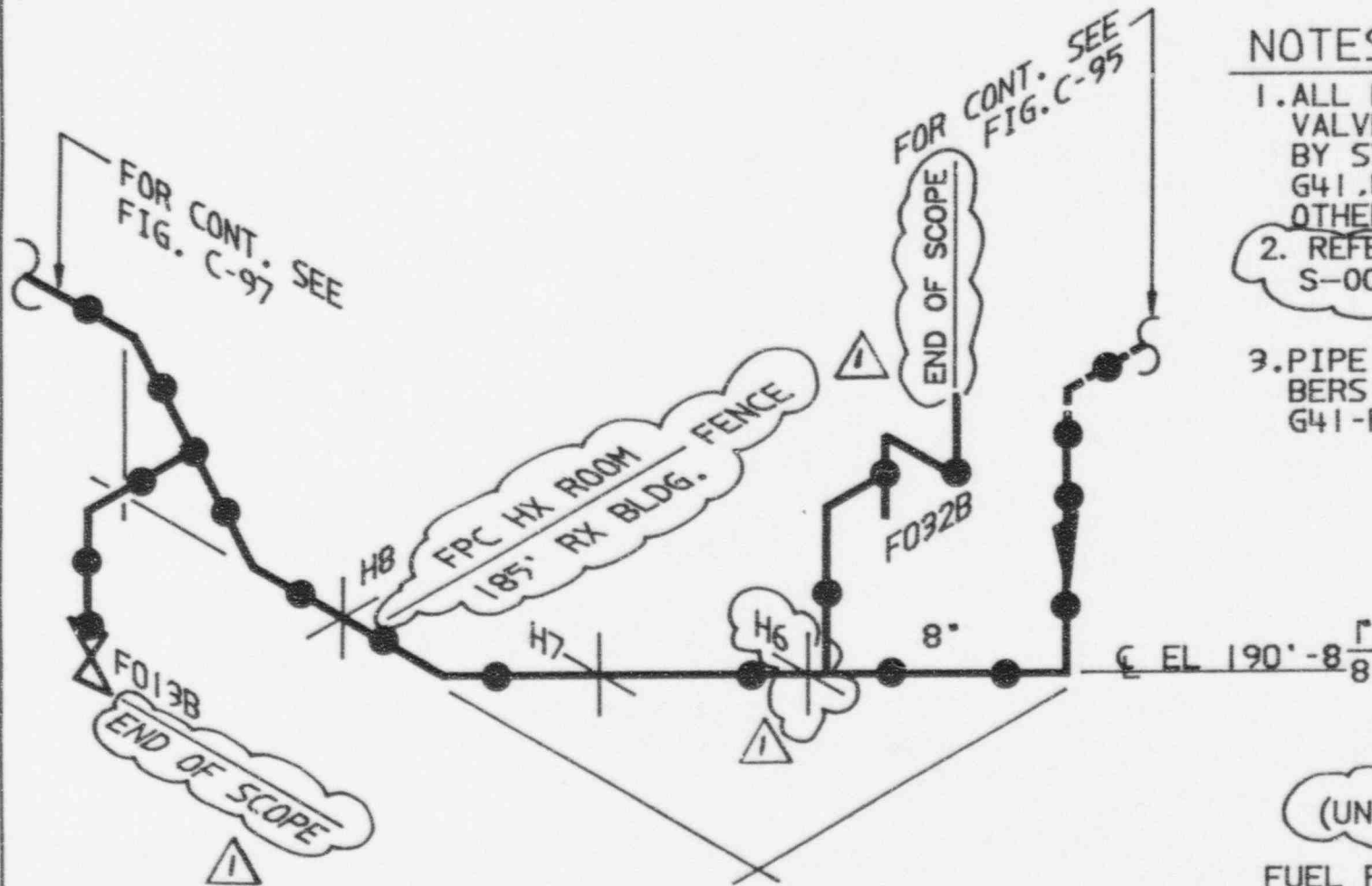
HATCH 1 CLASS 3

LOCATION: REACTOR BLDG. 185' EL.

LINE WALKED DOWN IN 1991

1	3-16-92	WGS	NS	WC
0	8-7-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE C-95



NOTES:

1. ALL EQUIPMENT AND VALVES ARE PREFIXED BY SYSTEM NUMBER G41, UNLESS NOTED OTHERWISE.
2. REFERENCE FAB. ISO. S-00243 REV.A
3. PIPE SUPPORT NUMBERS PRECEDED BY G41-PC-.

(UNINSULATED) ⚠

FUEL POOL COOLING SYSTEM

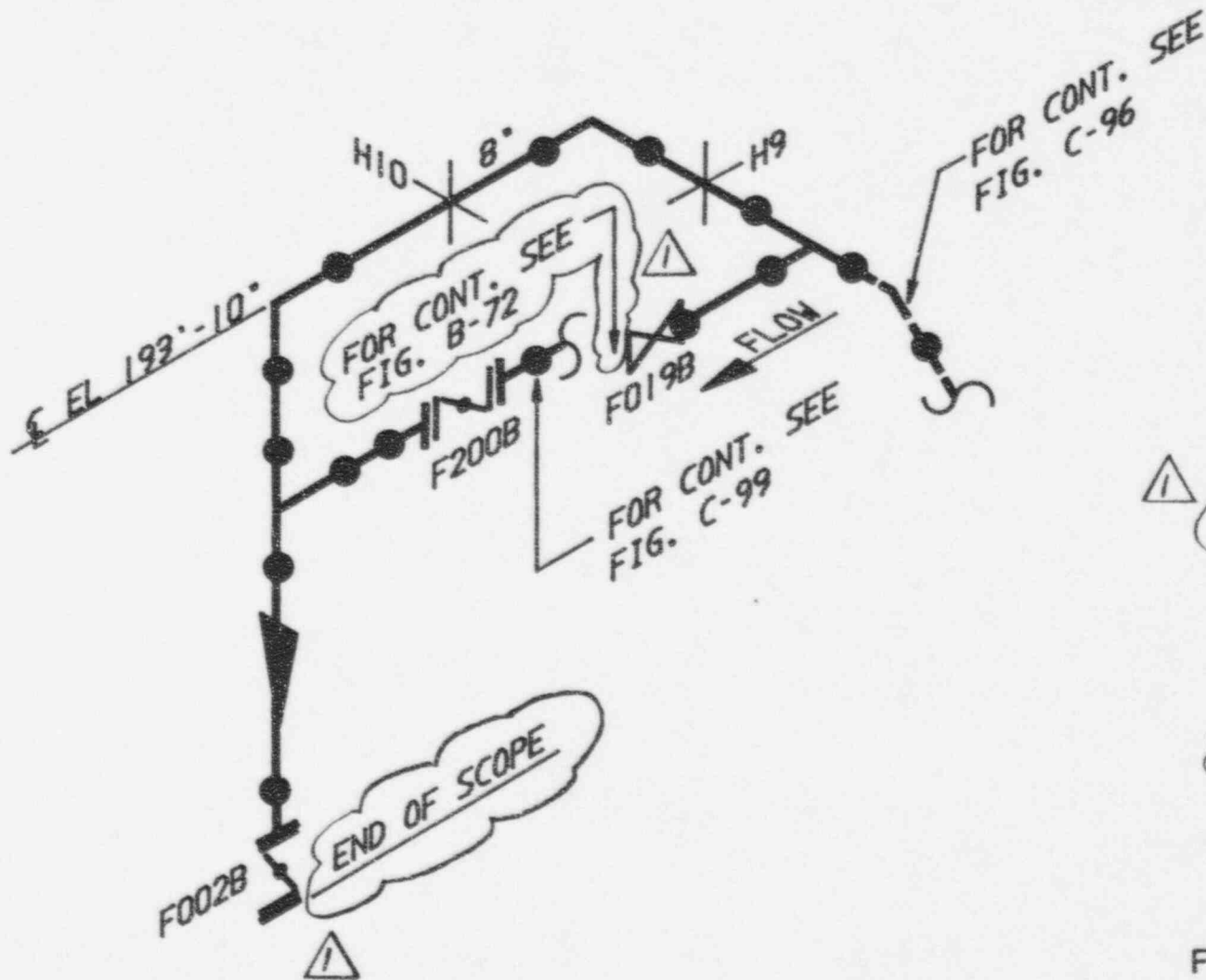
HATCH 1 CLASS 3

LOCATION: REACTOR BLDG. & FPC HX ROOM

LINE WALKED DOWN IN 1991

FIGURE C-96

1	3-16-92	WGS	WS	WC
0	8-7-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR. I



NOTES:

1. ALL EQUIPMENT AND VALVES ARE PREFIXED BY SYSTEM NUMBER G41, UNLESS NOTED OTHERWISE.

2. REFERENCE FAB. ISO. S-00243 REV.A

3. PIPE SUPPORT NUMBERS PRECEDED BY G41-PC-.



(UNINSULATED)

FUEL POOL COOLING SYSTEM

HATCH 1 CLASS 3

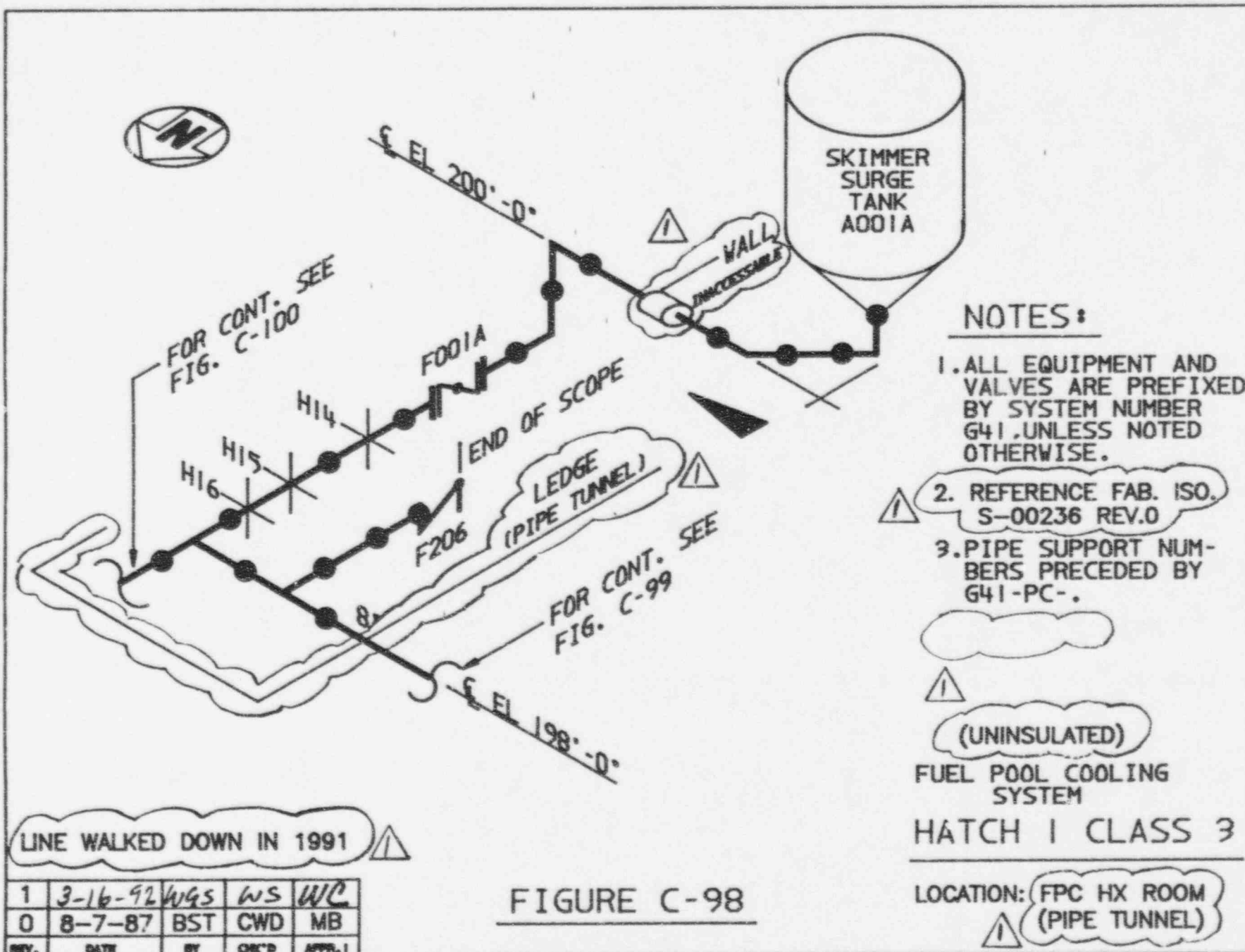
LOCATION: FPC HX ROOM



LINE WALKED DOWN IN 1991

FIGURE C-97

1	3-16-92	wgs	ws	WC
0	8-7-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR.1



NOTES:

1. ALL EQUIPMENT AND VALVES ARE PREFIXED BY SYSTEM NUMBER G41, UNLESS NOTED OTHERWISE.

2. REFERENCE FAB. ISO. S-00236 REV.0

3. PIPE SUPPORT NUMBERS PRECEDED BY G41-PC-.

(UNINSULATED)

FUEL POOL COOLING SYSTEM

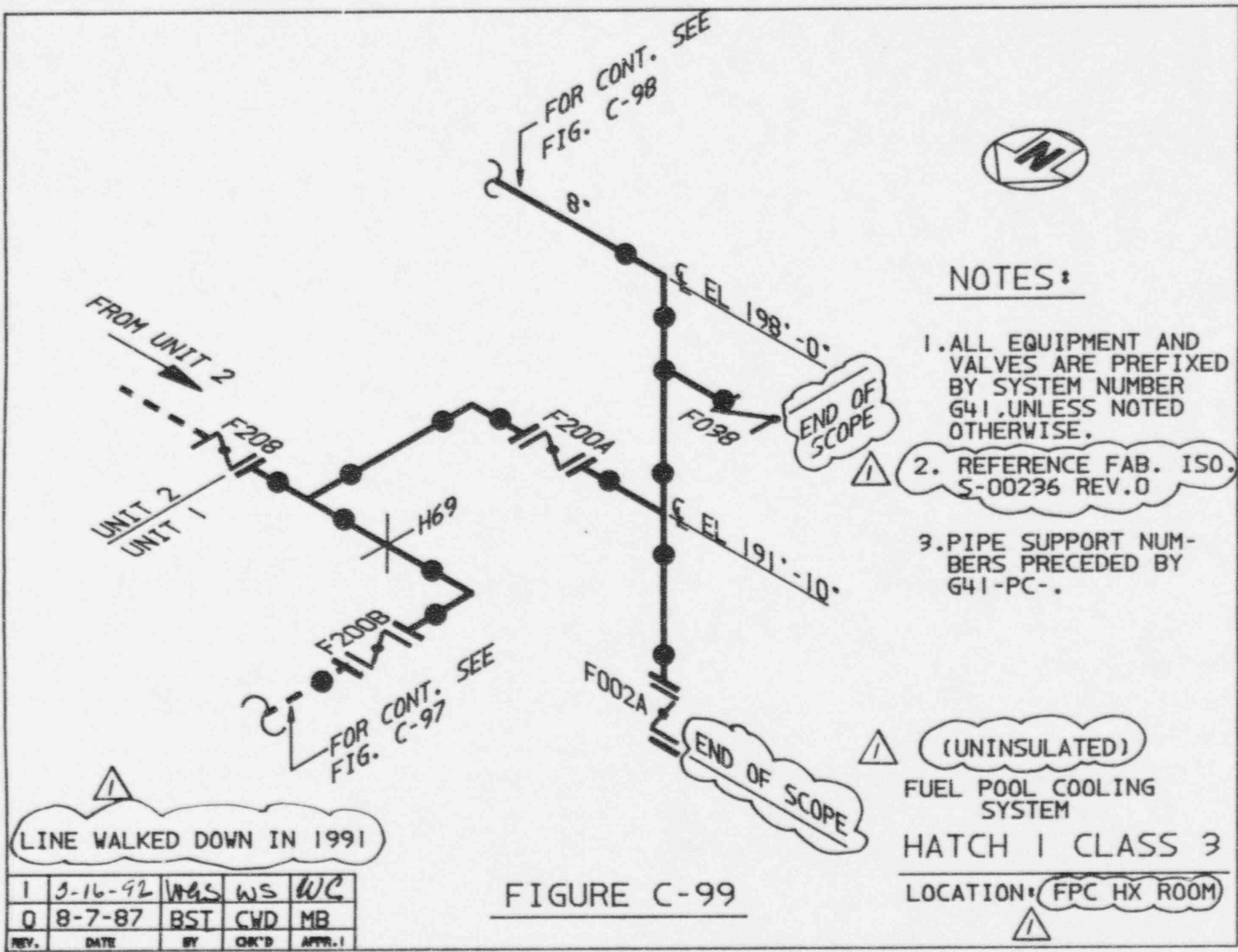
HATCH 1 CLASS 3

LOCATION: FPC HX ROOM (PIPE TUNNEL)

LINE WALKED DOWN IN 1991

1	3-16-92	WGS	WS	WC
0	8-7-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR. I

FIGURE C-98



NOTES:

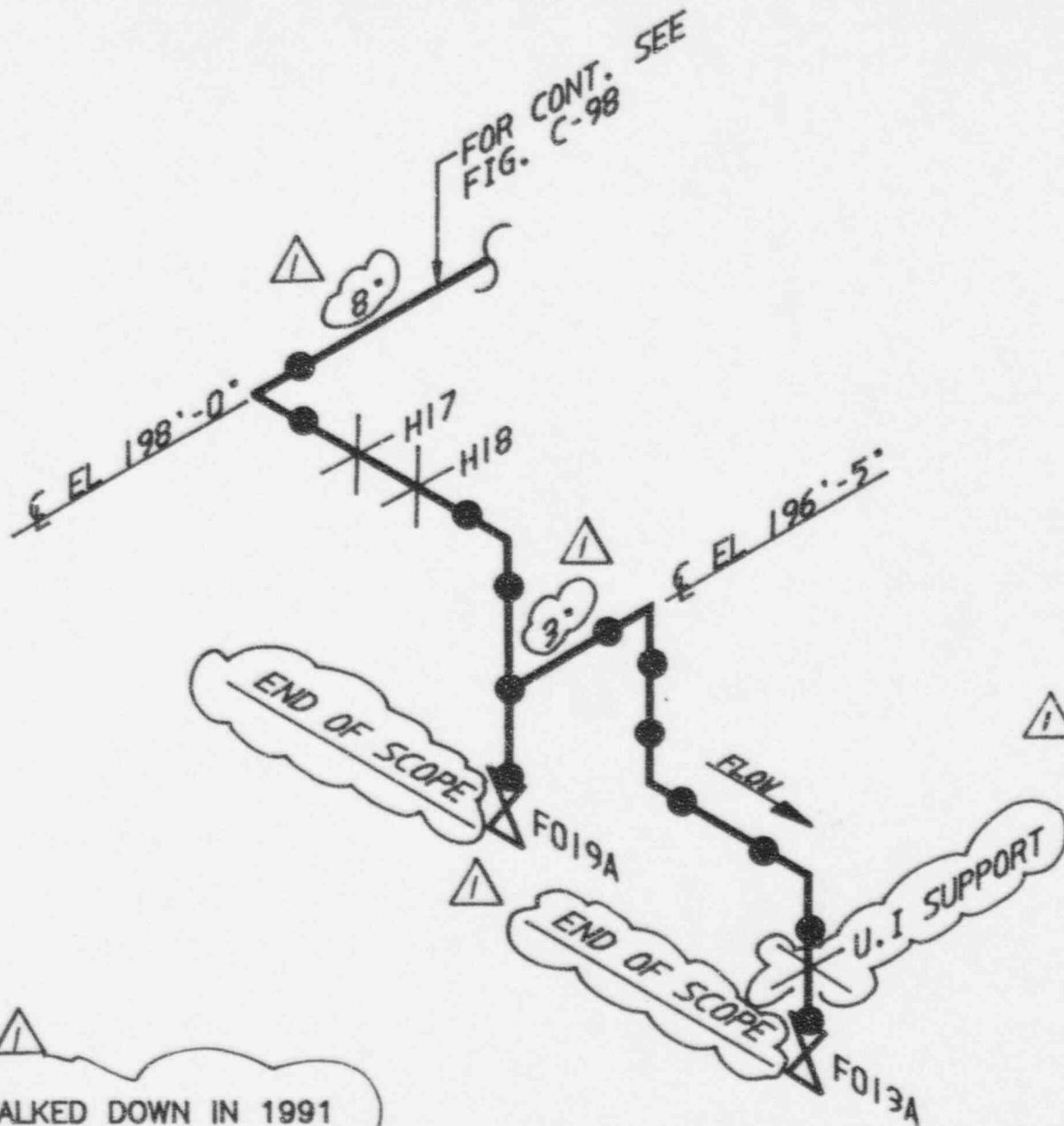
1. ALL EQUIPMENT AND VALVES ARE PREFIXED BY SYSTEM NUMBER G41, UNLESS NOTED OTHERWISE.
2. REFERENCE FAB. ISO. S-00236 REV.0
3. PIPE SUPPORT NUMBERS PRECEDED BY G41-PC-.

⚠ LINE WALKED DOWN IN 1991

1	3-16-92	WGS	WS	WC
0	8-7-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR.1



FIGURE C-99


⚠ (UNINSULATED)
 FUEL POOL COOLING SYSTEM
 HATCH 1 CLASS 3
 LOCATION: FPC HX ROOM
 ⚠



NOTES:

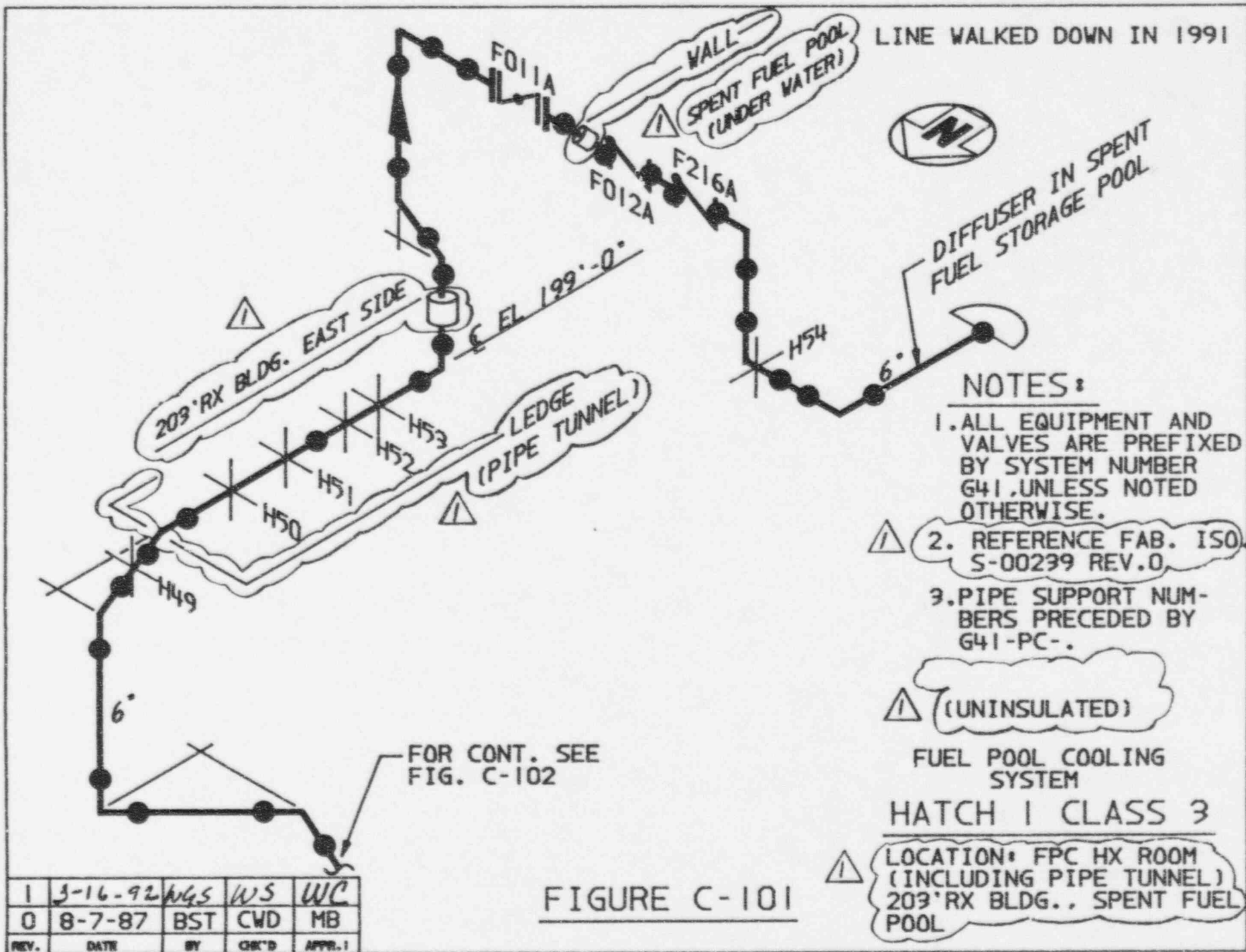
1. ALL EQUIPMENT AND VALVES ARE PREFIXED BY SYSTEM NUMBER G41, UNLESS NOTED OTHERWISE.
2. REFERENCE FAB. ISO. S-00236 REV.0
3. PIPE SUPPORT NUMBERS PRECEDED BY G41-PC-.

(UNINSULATED) 
 FUEL POOL COOLING SYSTEM
 HATCH 1 CLASS 3
 LOCATION: FPC HX ROOM 


 LINE WALKED DOWN IN 1991

1	3-16-92	W4S	WS	WC
0	8-7-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR. I

FIGURE C-100



LINE WALKED DOWN IN 1991



NOTES:

1. ALL EQUIPMENT AND VALVES ARE PREFIXED BY SYSTEM NUMBER G41, UNLESS NOTED OTHERWISE.
2. REFERENCE FAB. ISO S-00239 REV. 0.
3. PIPE SUPPORT NUMBERS PRECEDED BY G41-PC-.

⚠ (UNINSULATED)

⚠ (UNINSULATED)

FUEL POOL COOLING SYSTEM

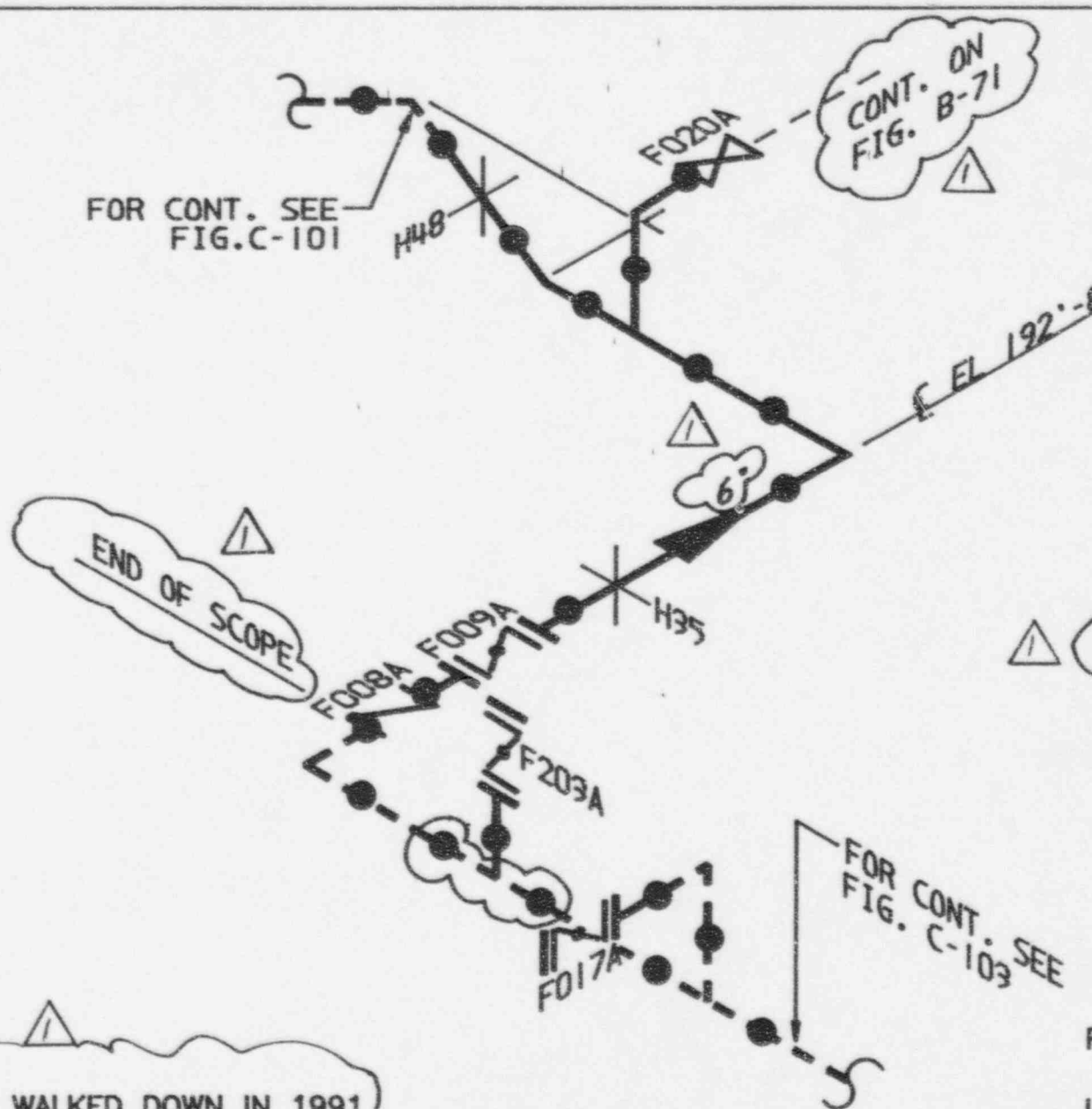
HATCH 1 CLASS 3

⚠ LOCATION: FPC HX ROOM (INCLUDING PIPE TUNNEL) 203'RX BLDG., SPENT FUEL POOL

FOR CONT. SEE FIG. C-102

FIGURE C-101

1	3-16-92	WGS	WS	WC
0	8-7-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR. 1



NOTES:

1. ALL EQUIPMENT AND VALVES ARE PREFIXED BY SYSTEM NUMBER G41, UNLESS NOTED OTHERWISE.
2. REFERENCE FAB. ISO. S-00239 REV.0
3. PIPE SUPPORT NUMBERS PRECEDED BY G41-PC-.

⚠
 (UNINSULATED)
 STAINLESS

FUEL POOL COOLING
 SYSTEM

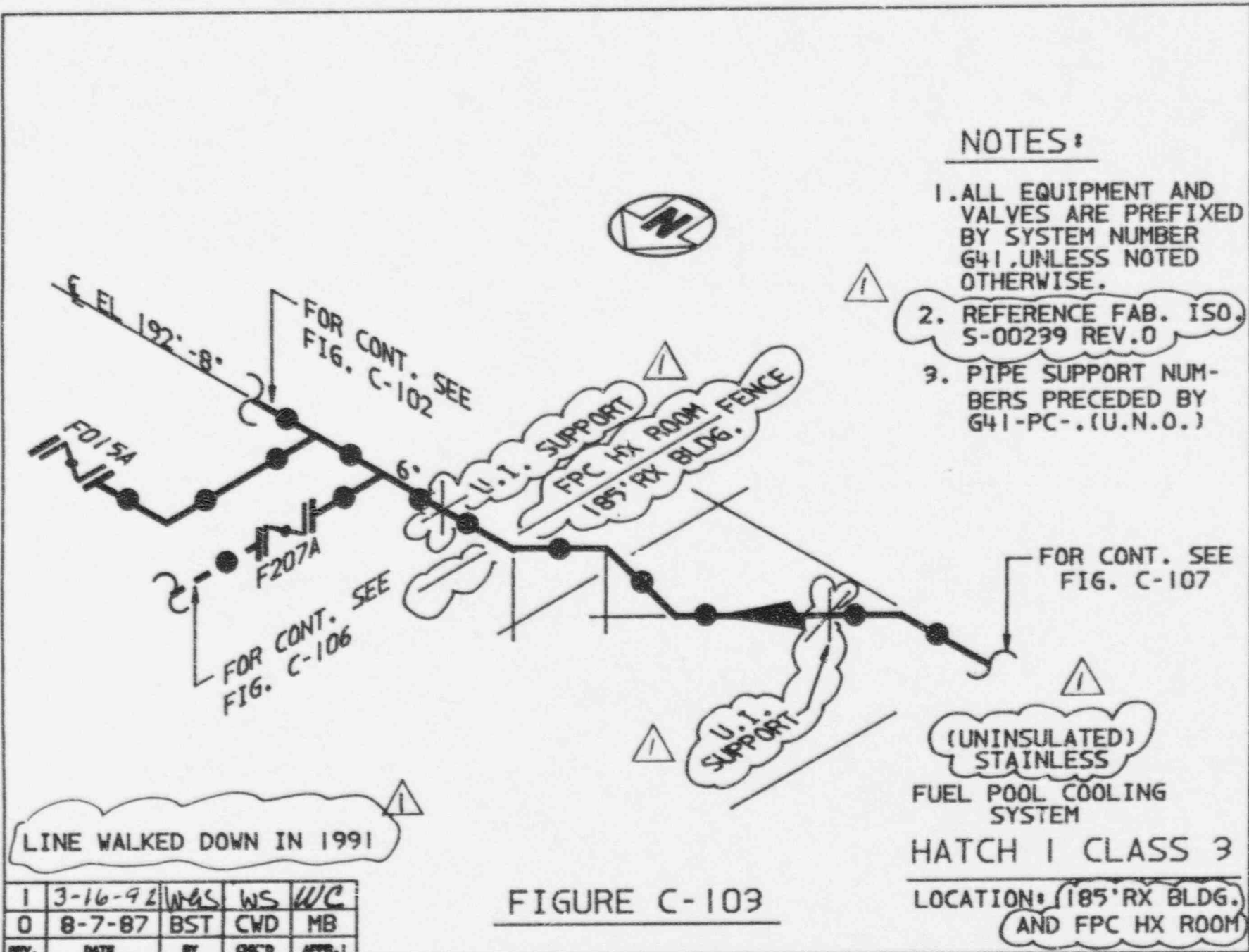
HATCH 1 CLASS 3

LOCATION: FPC HX ROOM

⚠
 LINE WALKED DOWN IN 1991

1	3-16-92	WGS	WS	WC
0	8-7-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE C-102

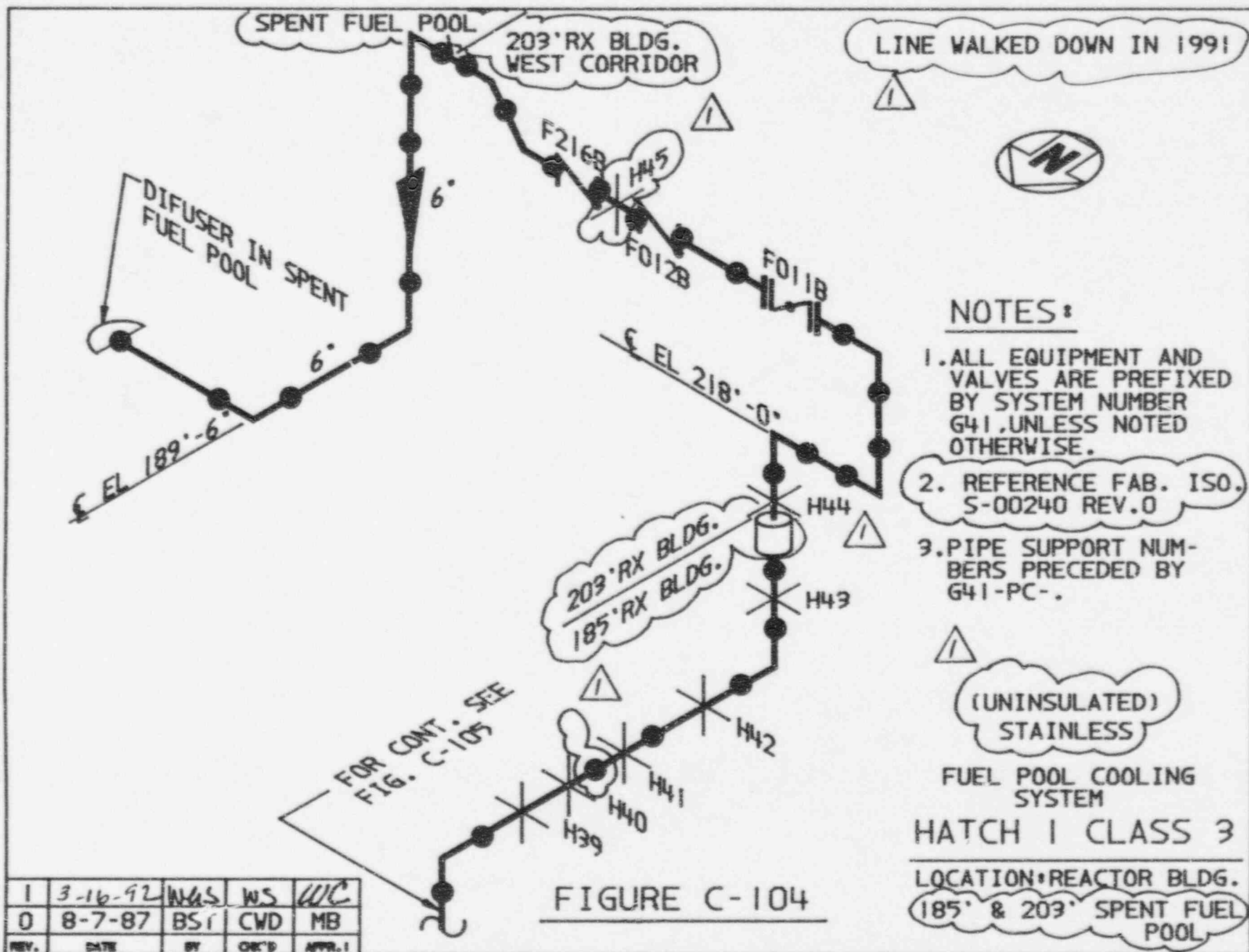


NOTES:

1. ALL EQUIPMENT AND VALVES ARE PREFIXED BY SYSTEM NUMBER G41, UNLESS NOTED OTHERWISE.
2. REFERENCE FAB. ISO. S-00299 REV.0
3. PIPE SUPPORT NUMBERS PRECEDED BY G41-PC-. (U.N.O.)

FIGURE C-103

1	3-16-92	WAS	WS	WC
0	8-7-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR.1



NOTES:

1. ALL EQUIPMENT AND VALVES ARE PREFIXED BY SYSTEM NUMBER G41, UNLESS NOTED OTHERWISE.

2. REFERENCE FAB. ISO. S-00240 REV.0

3. PIPE SUPPORT NUMBERS PRECEDED BY G41-PC-.

(UNINSULATED)
STAINLESS

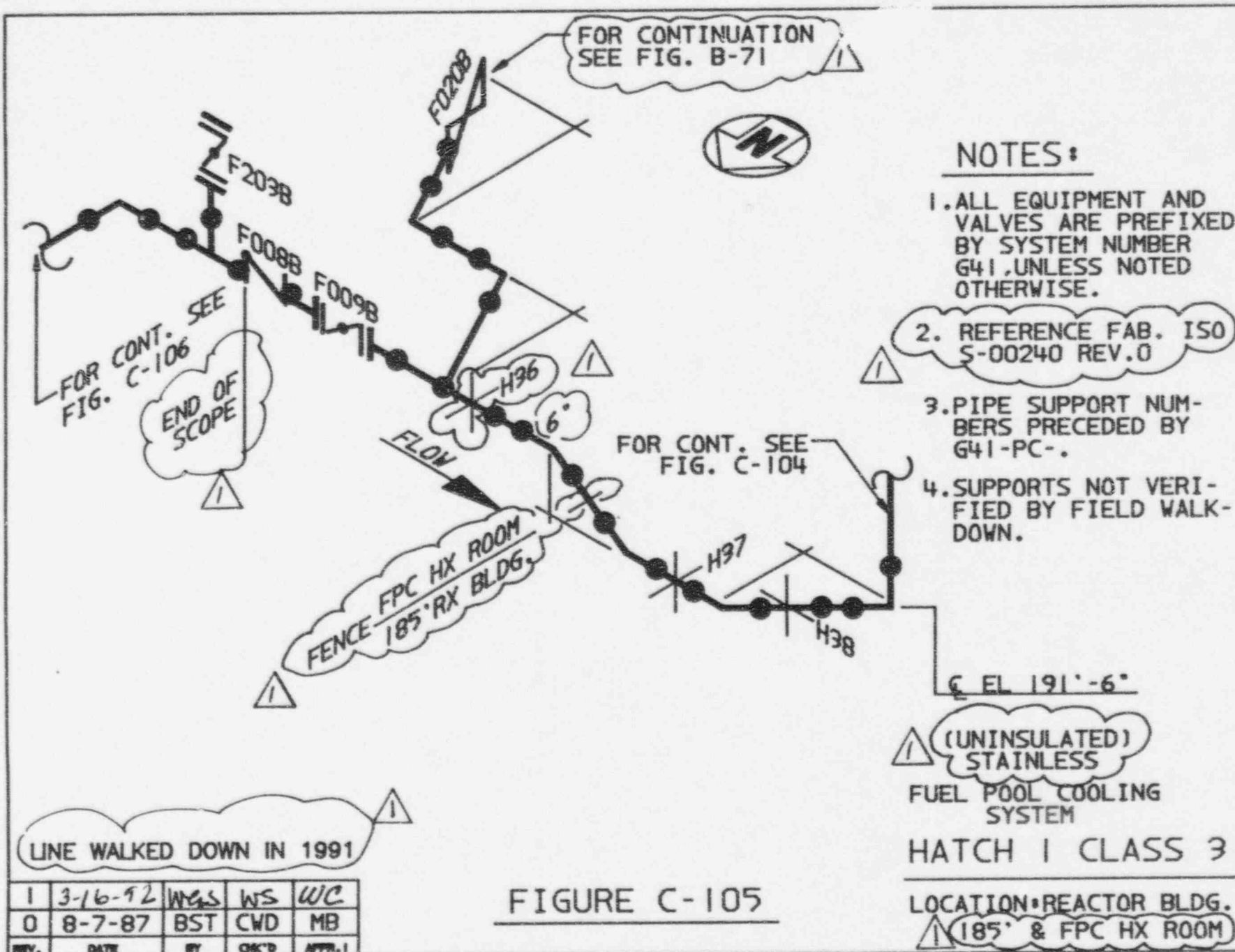
FUEL POOL COOLING
SYSTEM

HATCH I CLASS 3

LOCATION: REACTOR BLDG.
185' & 203' SPENT FUEL
POOL

FIGURE C-104

1	3-16-92	WAS	WS	WC
0	8-7-87	BSI	CWD	MB
REV.	DATE	BY	CHK'D	APPR.1



NOTES:

1. ALL EQUIPMENT AND VALVES ARE PREFIXED BY SYSTEM NUMBER G41, UNLESS NOTED OTHERWISE.
2. REFERENCE FAB. ISO 5-00240 REV.0
3. PIPE SUPPORT NUMBERS PRECEDED BY G41-PC-.
4. SUPPORTS NOT VERIFIED BY FIELD WALK-DOWN.

(UNINSULATED) STAINLESS
FUEL POOL COOLING SYSTEM

HATCH 1 CLASS 3

LOCATION: REACTOR BLDG.
185' & FPC HX ROOM

LINE WALKED DOWN IN 1991

1	3-16-92	WGS	WS	WC
0	8-7-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR. 1

FIGURE C-105

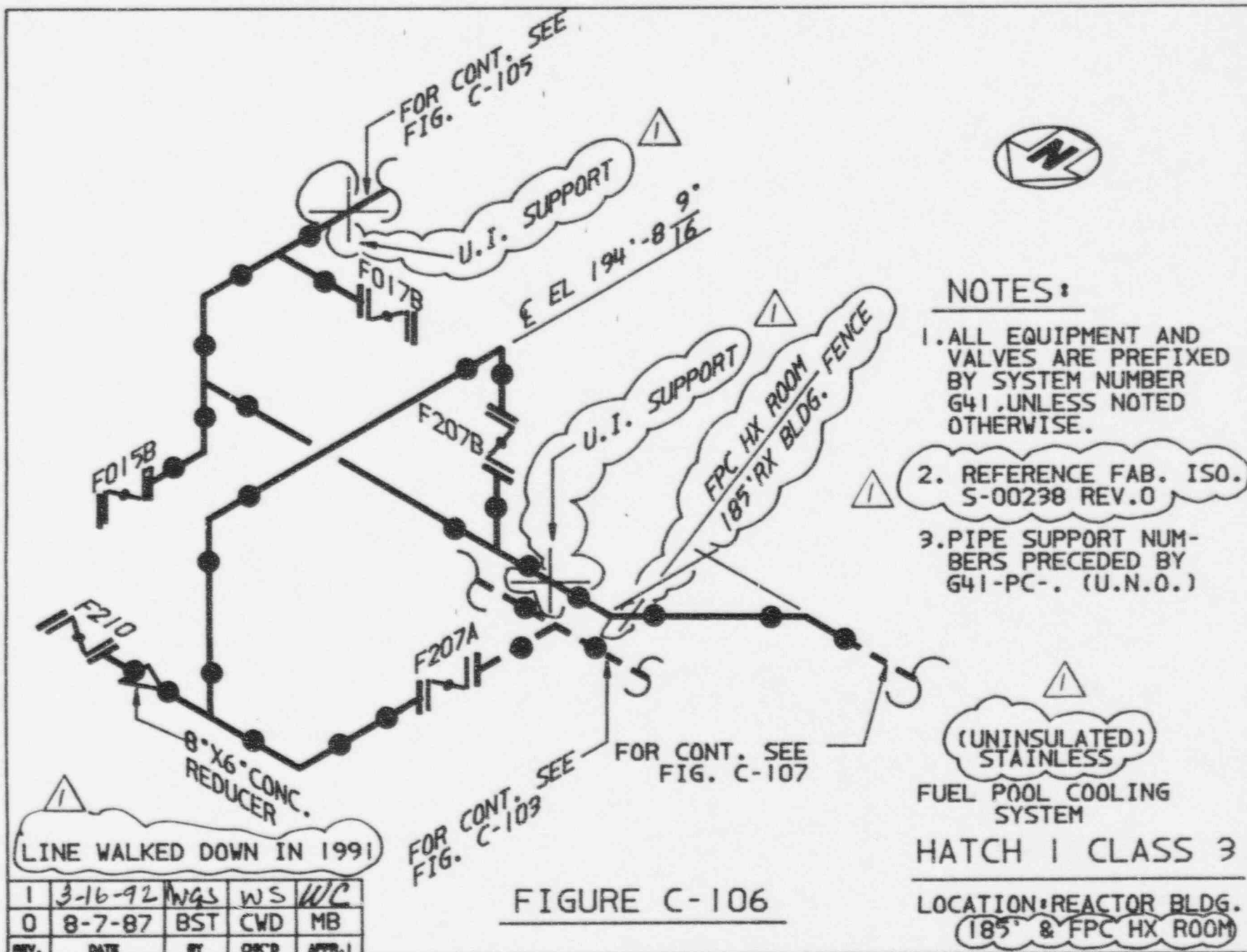
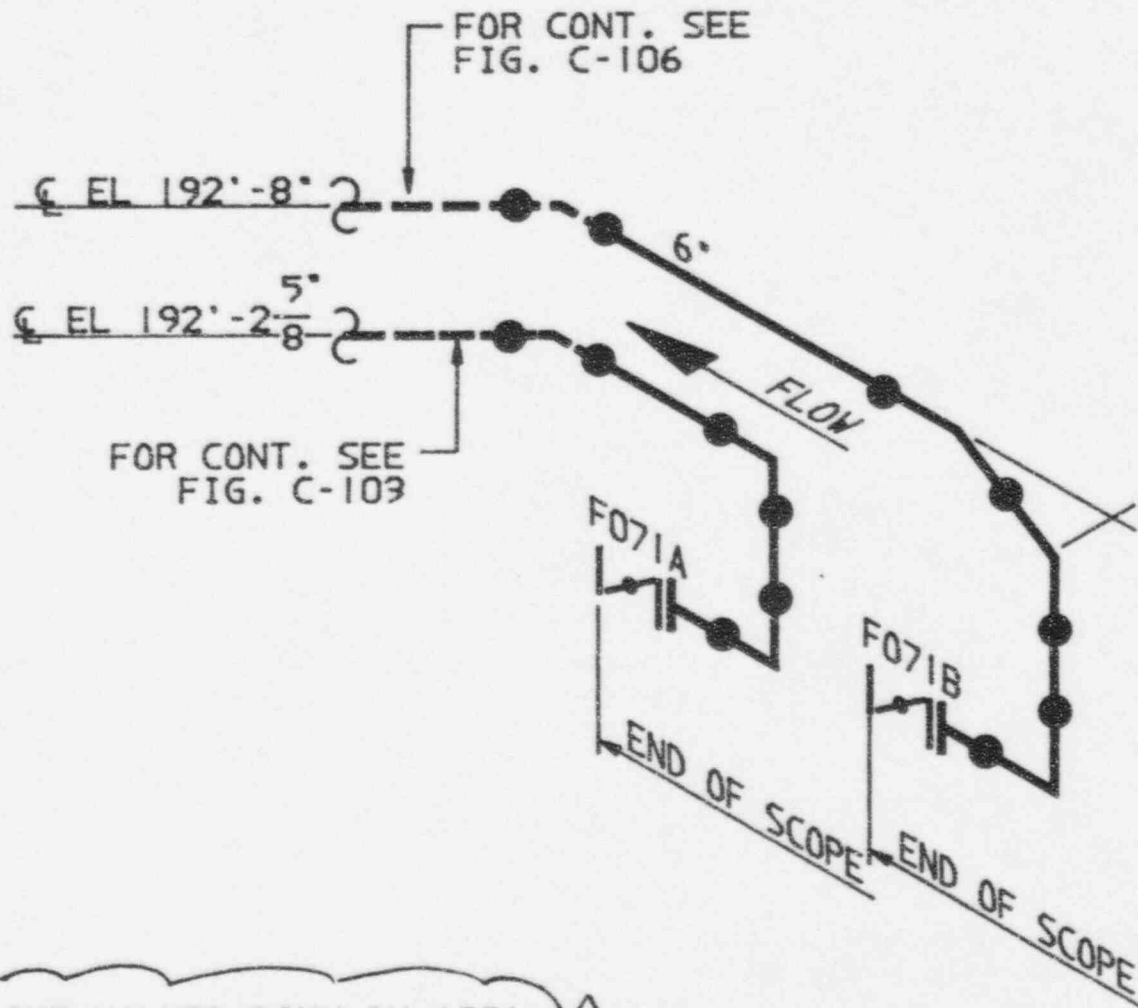


FIGURE C-106



NOTES:

1. ALL EQUIPMENT AND VALVES ARE PREFIXED BY SYSTEM NUMBER G41, UNLESS NOTED OTHERWISE.
2. REFERENCE GRAVER LAYOUT 5-17518 (T16403)

⚠

(UNINSULATED) ⚠

FUEL POOL COOLING SYSTEM
HATCH 1 CLASS 3

LOCATION: REACTOR BLDG.
⚠ 185' WEST HALLWAY

LINE WALKED DOWN IN 1991 ⚠

FIGURE C-107

1	3-16-92	WGS	WS	WC
0	8-7-87	BST	CWD	MB
REV.	DATE	BY	CHK'D	APPR. I

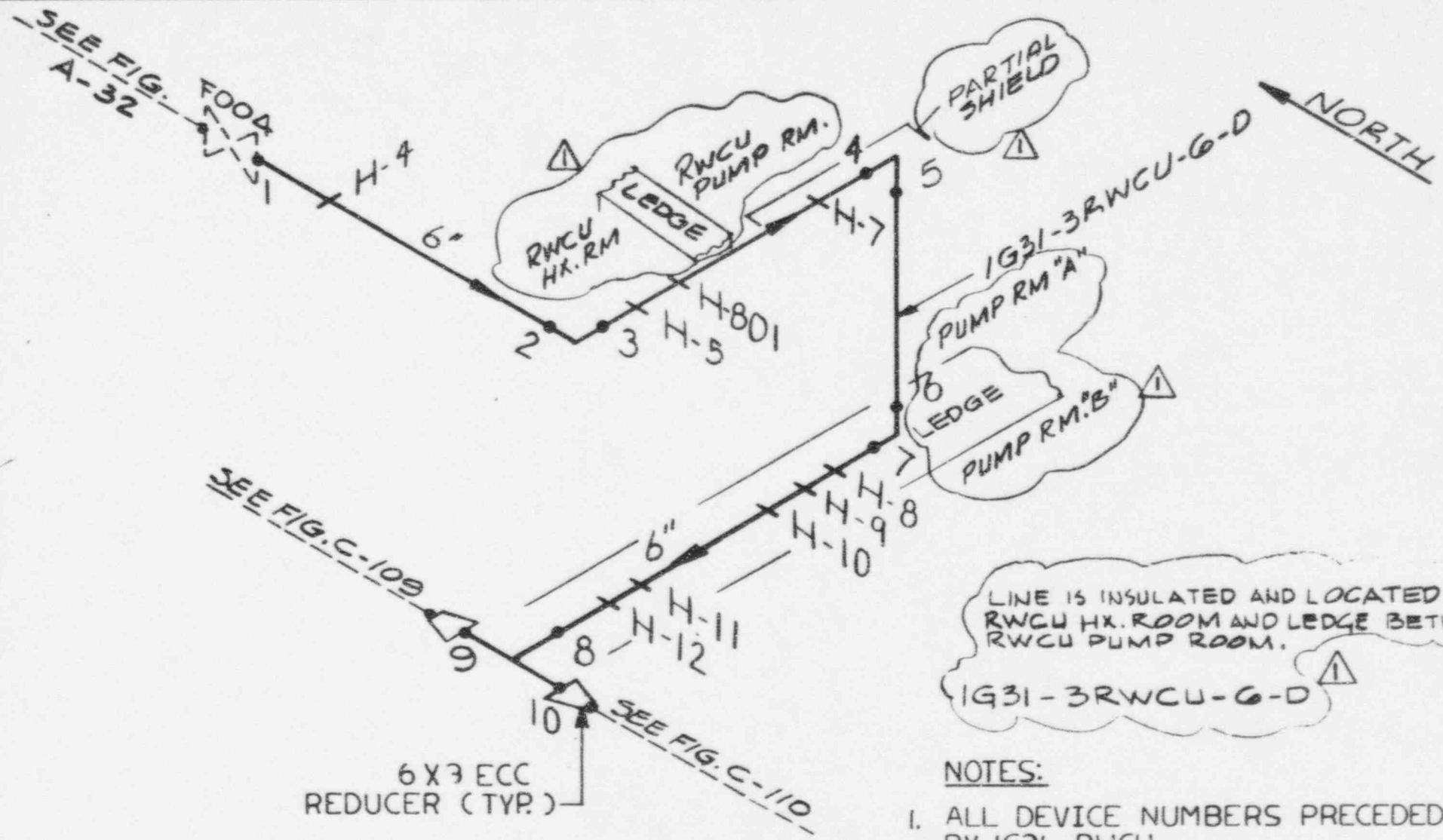


FIGURE C-108

LINE IS INSULATED AND LOCATED IN RWCU HX. ROOM AND LEDGE BETWEEN RWCU PUMP ROOM.
 1G31-3RWCU-G-D

NOTES:

1. ALL DEVICE NUMBERS PRECEDED BY 1G31-RWCU.
2. PIPING/SUPPORTS NOT COVERED BY TABLE IWD-2500-1.
3. REF. DWG: H-16887 REV.1

1	3-16-92	WGS	WS	WC
0	12/20/89	WGS	WS	RLD
REV.	DATE	BY	CKD	APPR.

HATCH 1 CLASS 3

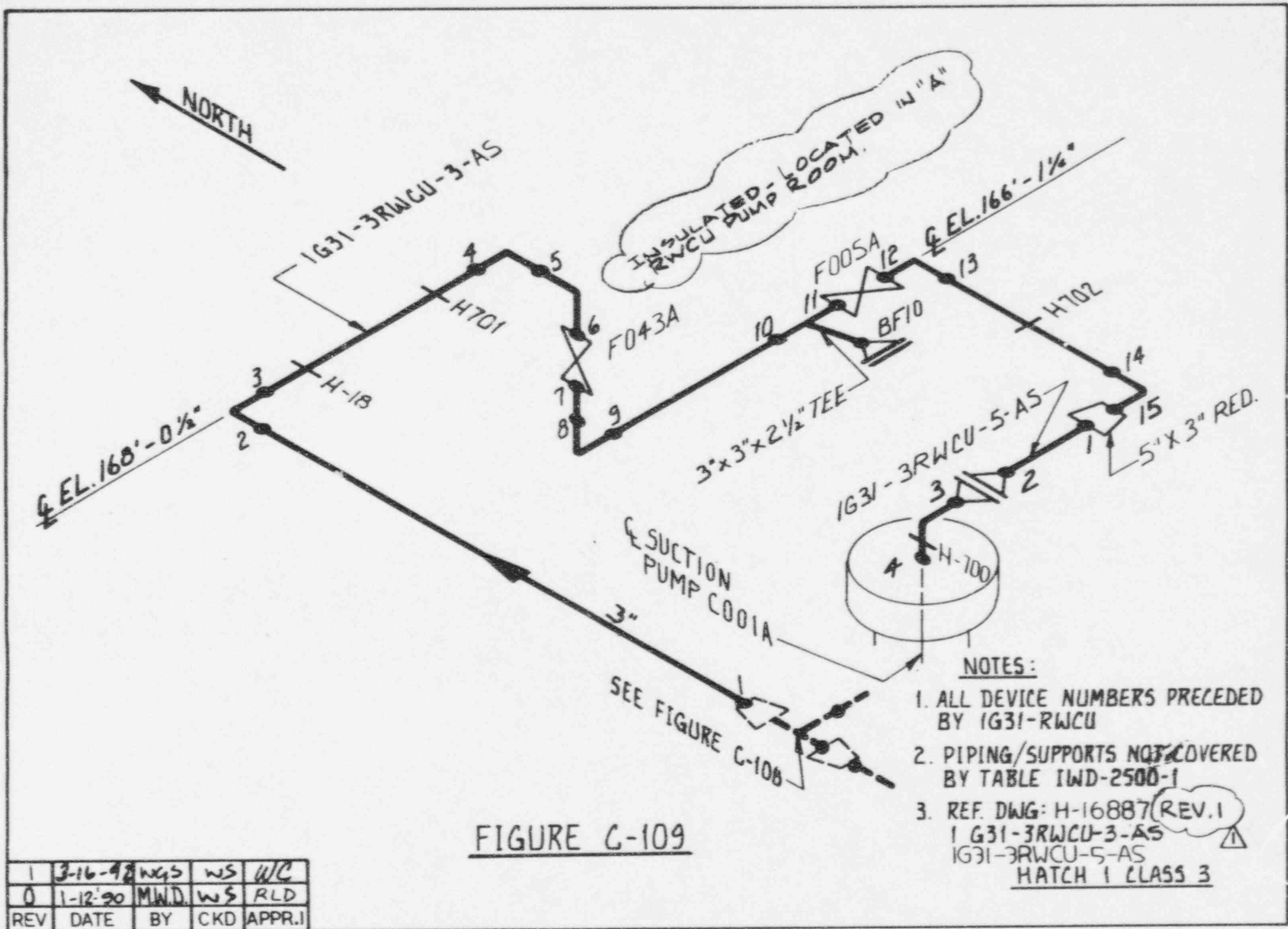
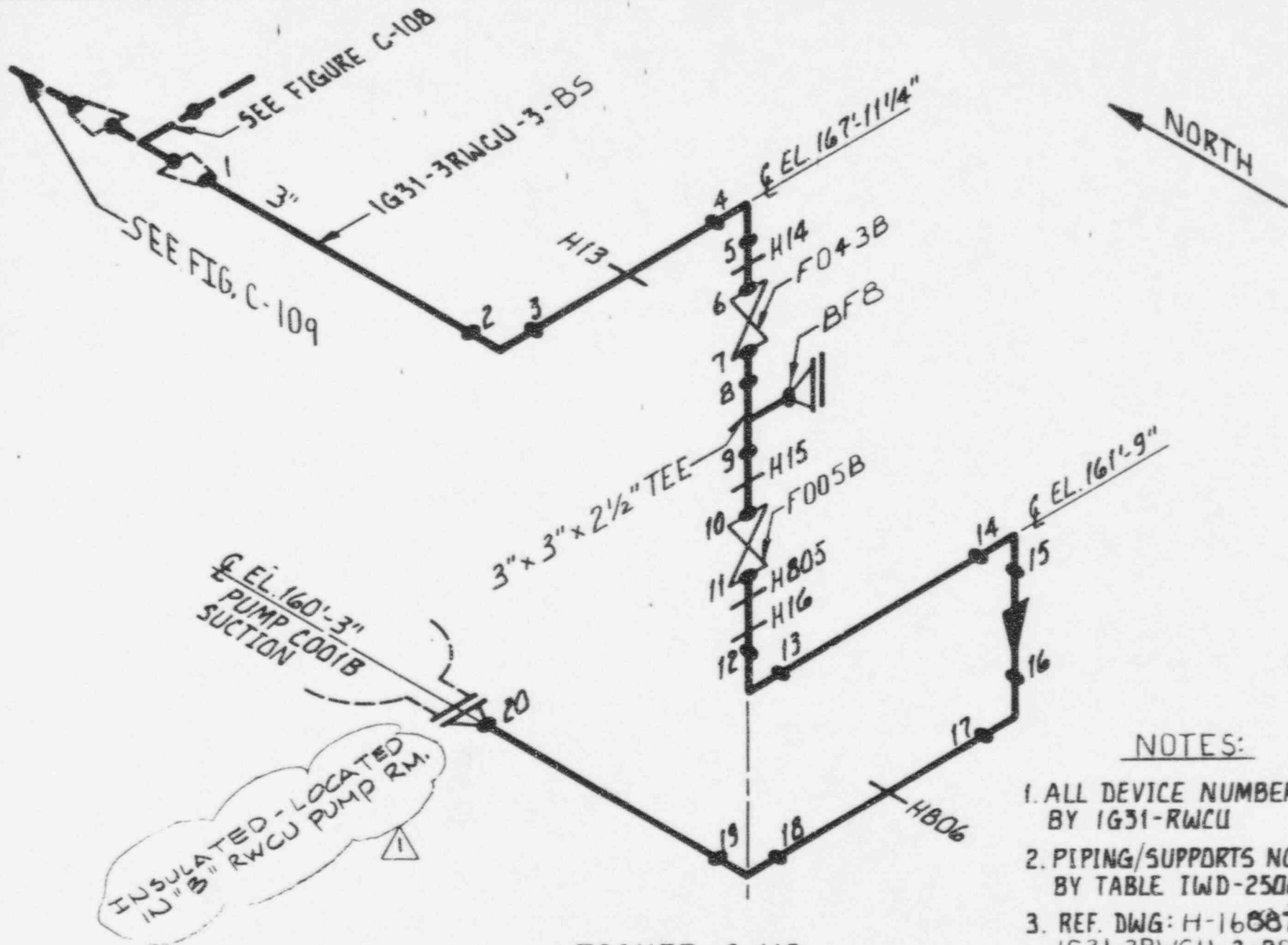


FIGURE C-109

NOTES:

1. ALL DEVICE NUMBERS PRECEDED BY 1G31-RWCU
2. PIPING/SUPPORTS NOT COVERED BY TABLE IWD-2500-1
3. REF. DWG: H-16887 (REV. 1)
 1 G31-3RWCU-3-AS
 1G31-3RWCU-5-AS
 HATCH 1 CLASS 3

1	3-16-98	WGS	WS	WC
0	1-12-90	MWD	WS	RLD
REV	DATE	BY	CKD	APPR.1



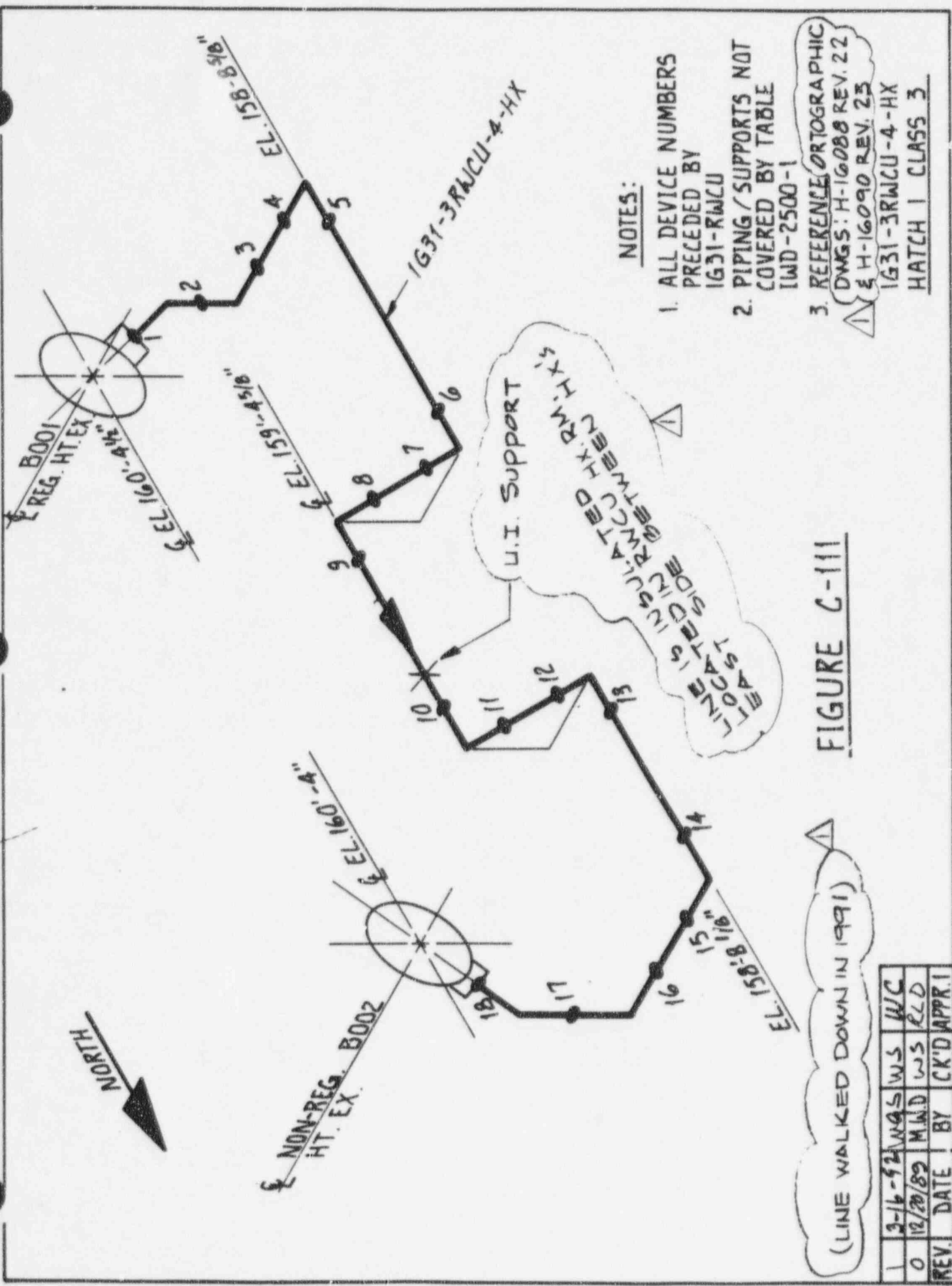
NOTES:

1. ALL DEVICE NUMBERS PRECEDED BY 1G31-RWCU
2. PIPING/SUPPORTS NOT COVERED BY TABLE IWD-2500-1
3. REF. DWG: H-16087 REV. 1
1G31-3RWCU-3-BS

FIGURE C-110

HATCH 1 CLASS 3

1	9-16-92	WGS	WS	WC
0	1-12-90	MWD	WS	RLD
REV.	DATE	BY	CKD	APPR.1



NOTES:

1. ALL DEVICE NUMBERS PRECEDED BY 1G31-RWCU
2. PIPING / SUPPORTS NOT COVERED BY TABLE IWD-2500-1
3. REFERENCE ORTHOGRAPHIC DWGS: H-16088 REV. 22 & H-16090 REV. 23

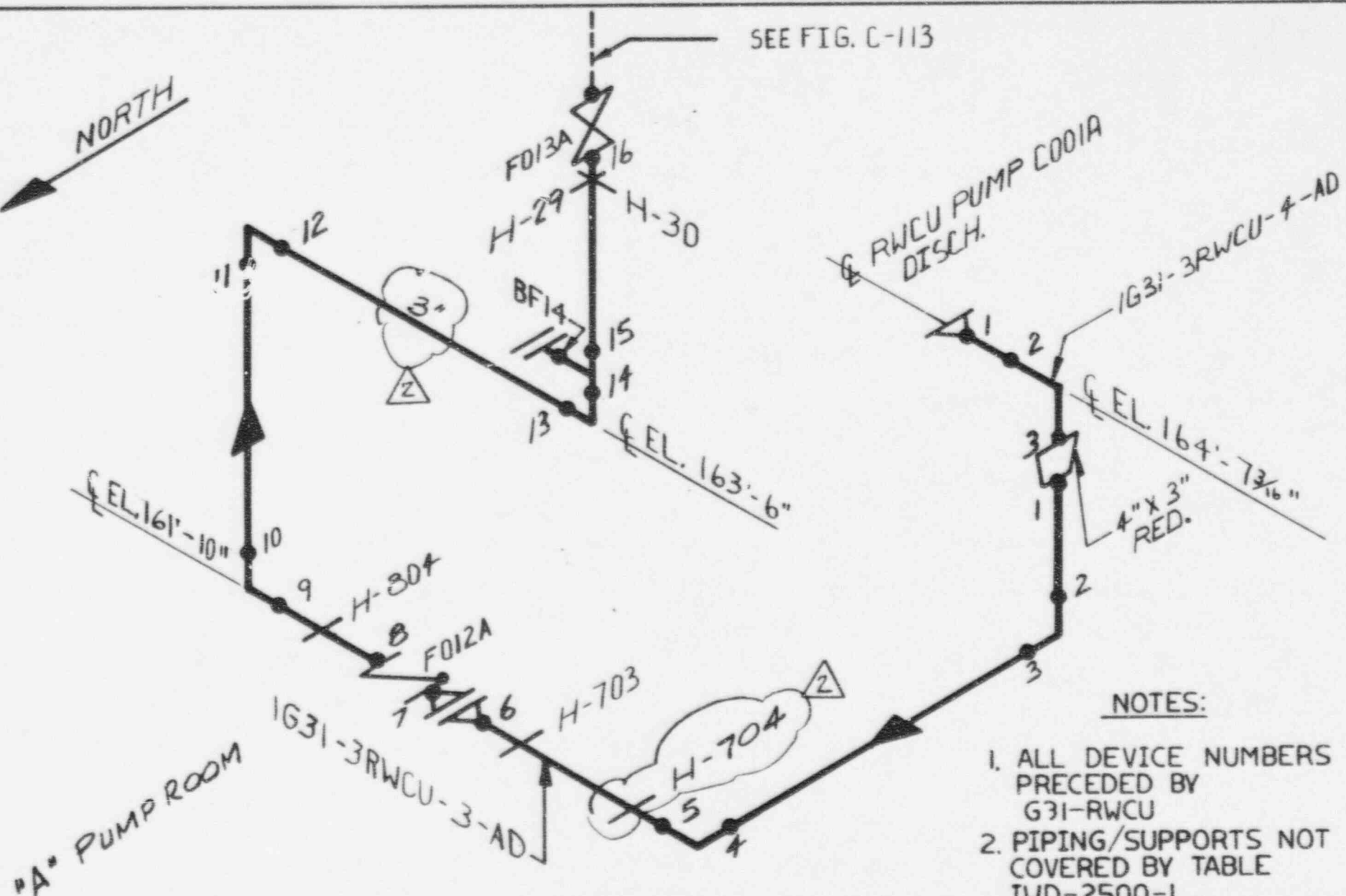
FIGURE C-111

(LINE WALKED DOWN IN 1991)

REV.	DATE	BY	CK'D	APPR.
1	3-16-92	WAS	WS	WJC
0	12/20/89	MWD	WS	RLD

SEE FIG. C-113

NORTH



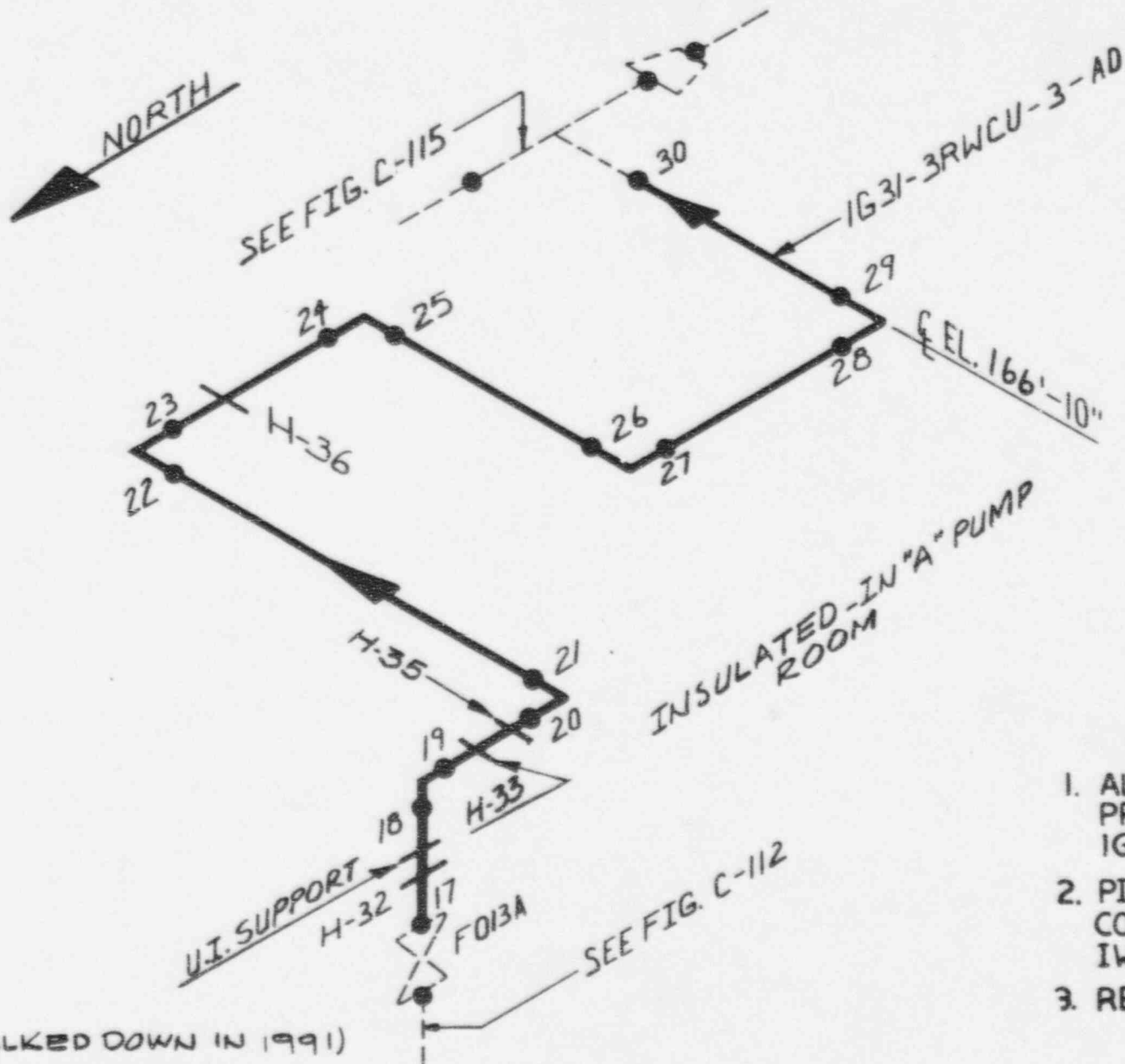
NOTES:

1. ALL DEVICE NUMBERS PRECEDED BY G31-RWCU
2. PIPING/SUPPORTS NOT COVERED BY TABLE IWD-2500-1
3. REFERENCE DWG. H-16888
 1G31-3RWCU-3-AD P. EV. 2
 1G31-3RWCU-4-AD
 HATCH 1 CLASS 3

(LINE WALKED DOWN IN 1991)

FIGURE C-112

REV.	DATE	BY	CHKD	APPR.
1	3-16-92	WGS	WS	WC
2	2-11-93	WGS	CS	WC



(LINE WALKED DOWN IN 1991)

1	3-16-91	WGS	WS	WIC
2	2-11-98	WS	CKD	WG
REV.	DATE	BY	CKD	APPR.

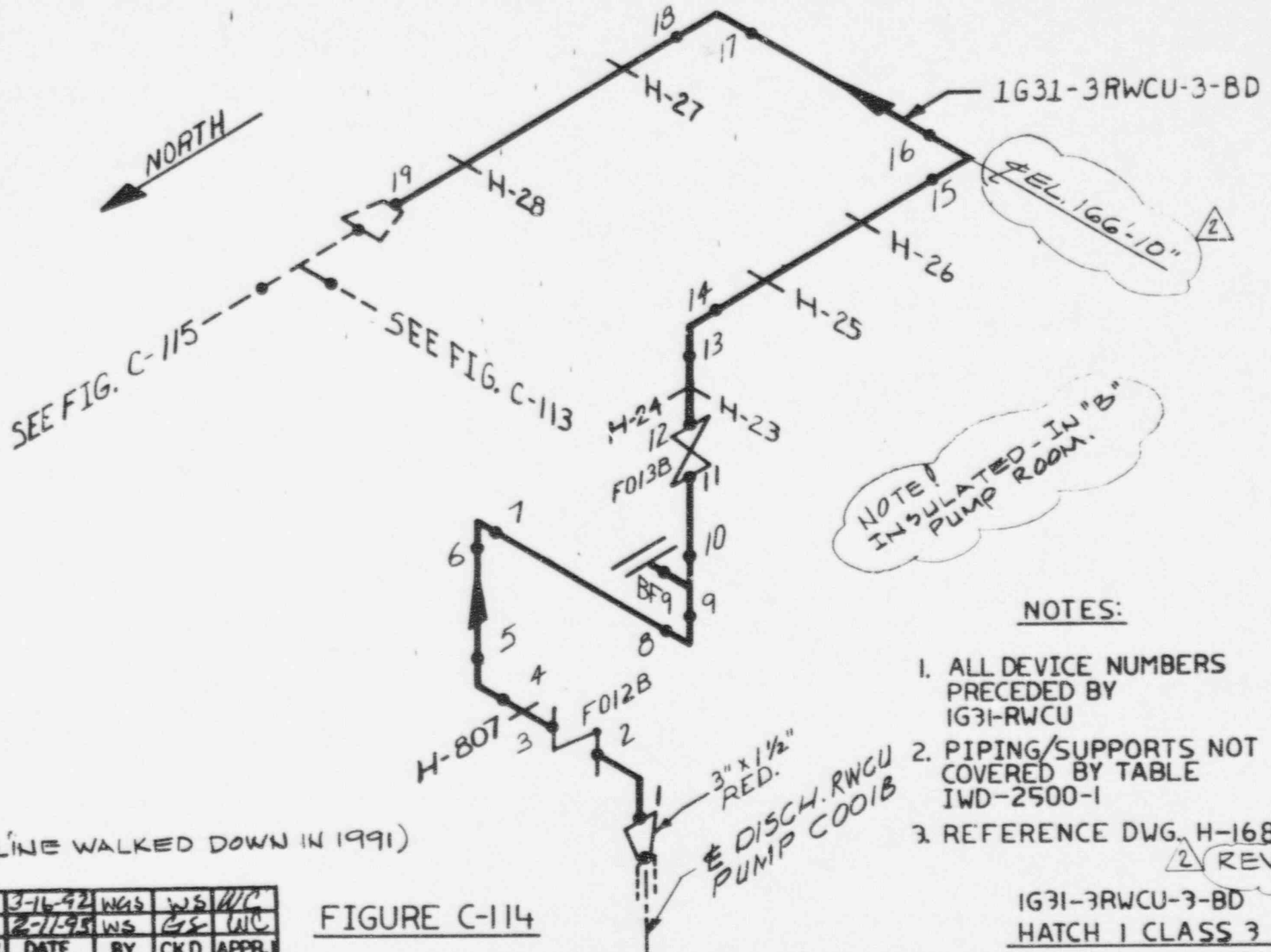
FIGURE C-113

NOTES:

1. ALL DEVICE NUMBERS PRECEDED BY 1G31-RWCU
2. PIPING/SUPPORTS NOT COVERED BY TABLE IWD-2500-1
3. REFERENCE DWG. H-16888

2 (REV. 2)

1G31-3RWCU-3-AD
HATCH 1 CLASS 3



NOTE!
INSULATED - IN "B"
PUMP ROOM.

NOTES:

1. ALL DEVICE NUMBERS PRECEDED BY 1G31-RWCU
2. PIPING/SUPPORTS NOT COVERED BY TABLE IWD-2500-1
3. REFERENCE DWG. H-16888

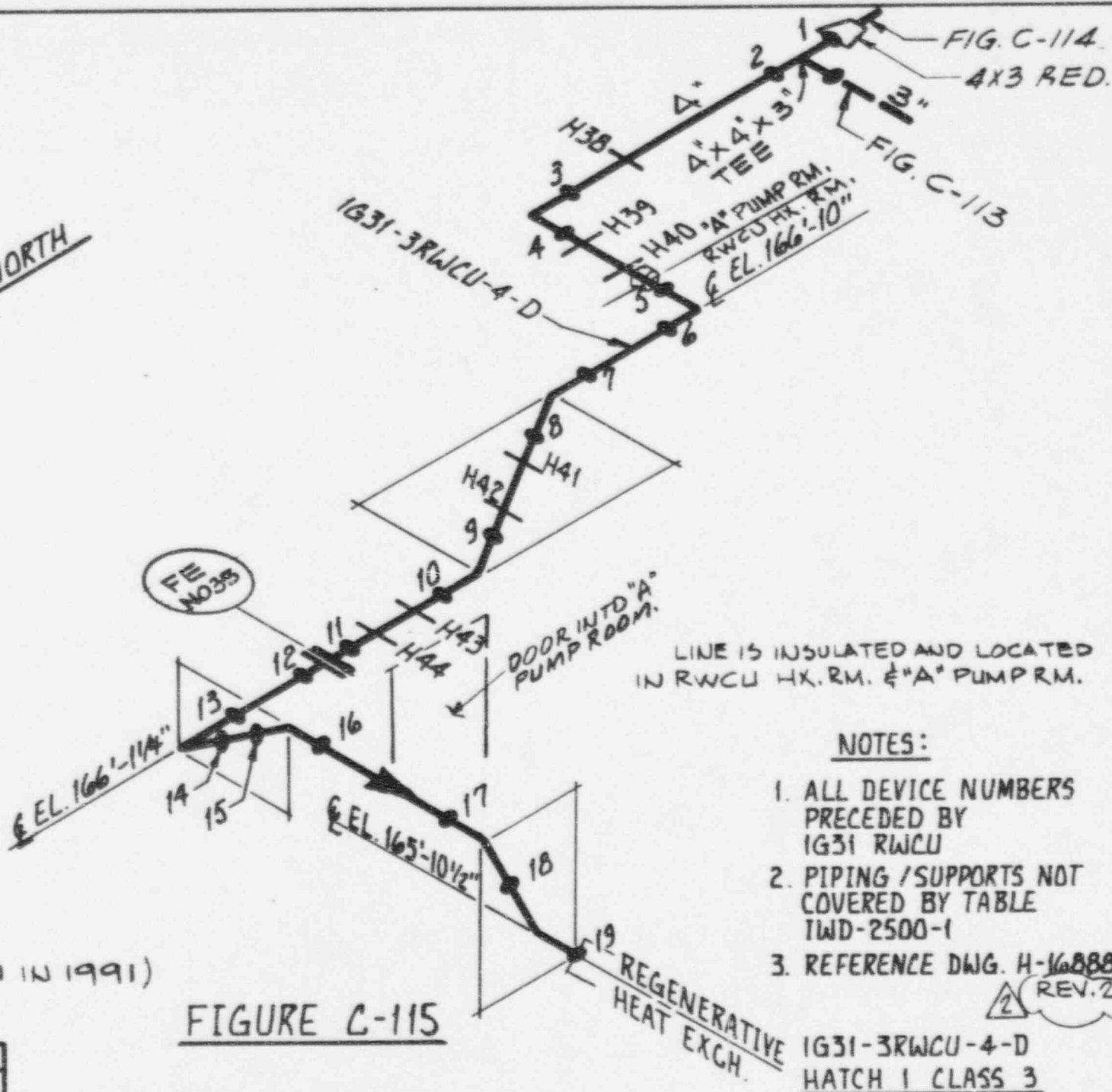
2 REV.2

1G31-3RWCU-3-BD
HATCH 1 CLASS 3

(LINE WALKED DOWN IN 1991)

1	3-16-92	WGS	WS	WC
2	2-11-95	WS	GS	WC
REV.	DATE	BY	CKD	APPR.

FIGURE C-114



(LINE WALKED DOWN IN 1991)

FIGURE C-115

LINE IS INSULATED AND LOCATED IN RWCU HX. RM. & "A" PUMP RM.

NOTES:

1. ALL DEVICE NUMBERS PRECEDED BY 1G31 RWCU
2. PIPING /SUPPORTS NOT COVERED BY TABLE IWD-2500-1
3. REFERENCE DWG. H-16888

2 REV. 2

1G31-3RWCU-4-D
HATCH 1 CLASS 3

1	8-16-92	WGS	WS	W/C
2	2-1-93	NS	GS	W/C
REV.	DATE	BY	CKD	APPR.

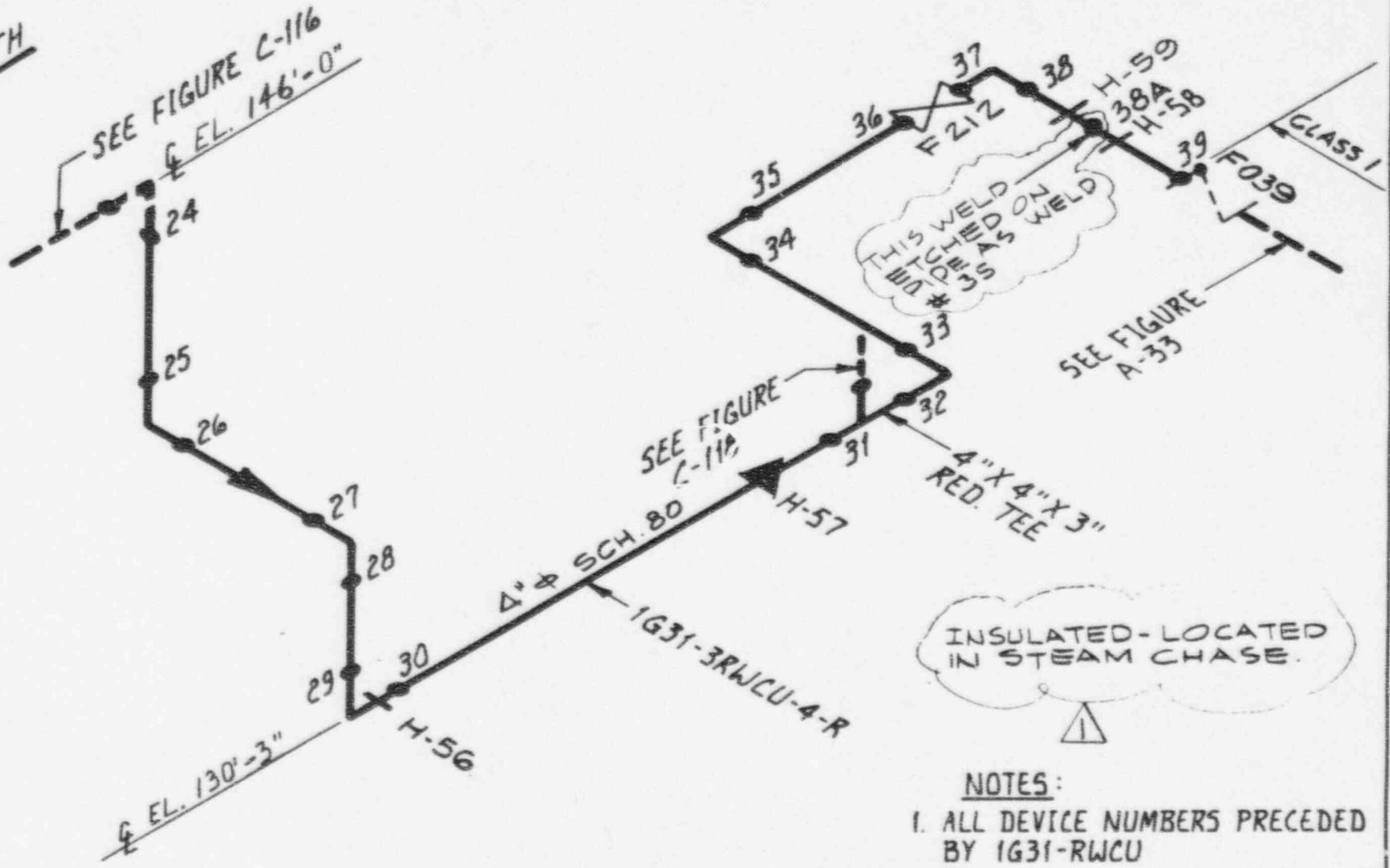




FIGURE C-117

INSULATED-LOCATED
IN STEAM CHASE.



- NOTES:
1. ALL DEVICE NUMBERS PRECEDED BY 1G31-RWCU
 2. PIPING / SUPPORTS NOT COVERED BY TABLE IWD-2500-1
 3. REF. DWG: H-16889 (REV.0) 
1 G31-3RWCU-4-R

HATCH 1 CLASS 3

1	3-16-92	WGS	WS	WIC
0	12/20/89	H.W.D	WS	RLD
REV.	DATE	BY	CHKD	APPR.

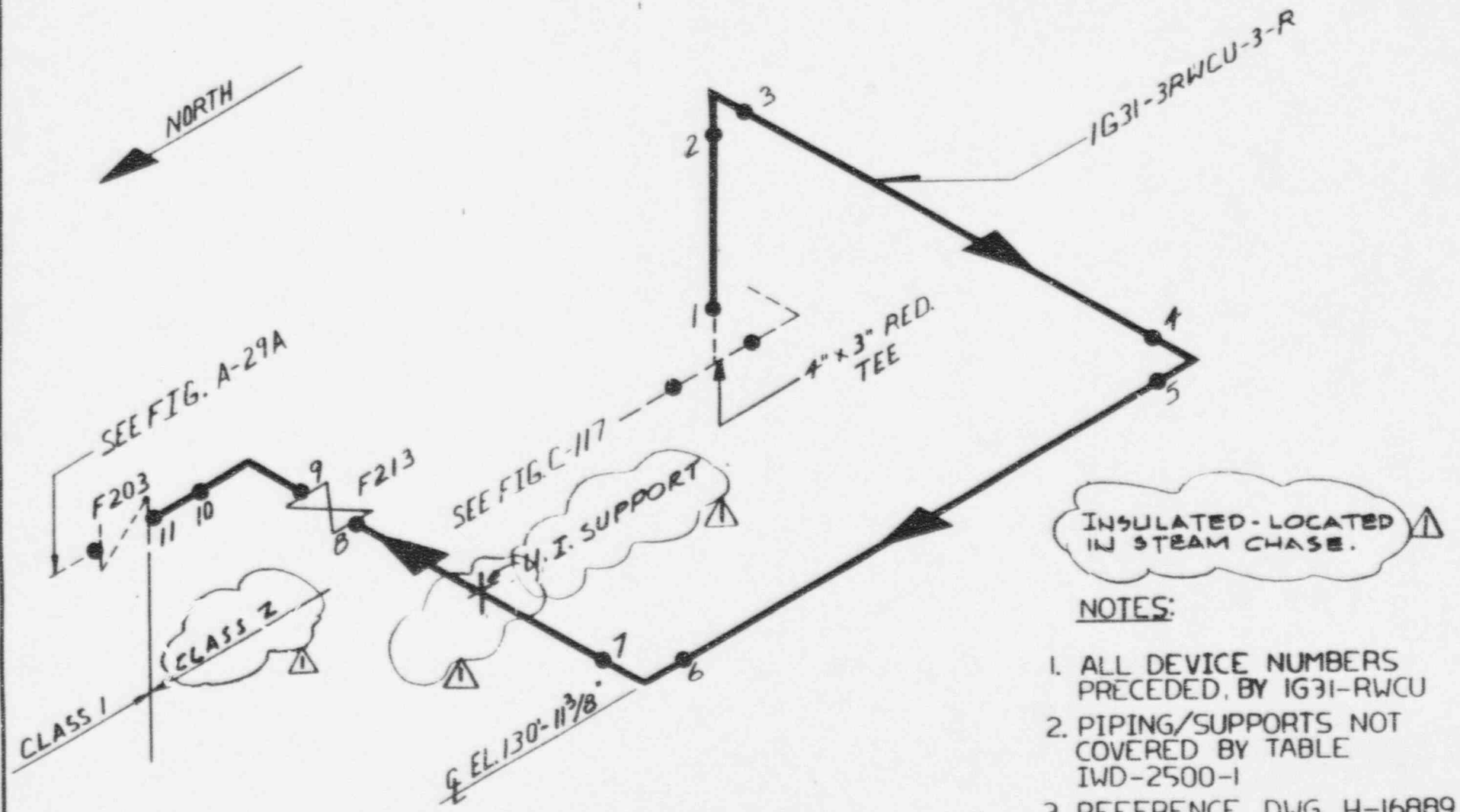


FIGURE C-118

1	7-16-92	WGS	WS	W/C
0	1-12-90	WGS	WS	W/G
REV.	DATE	BY	CKD	APPR.