

DEC 29 1998

ENGINEERING DATA TRANSMITTAL

Page 1 of 1

1. EDT 623043

2. To: (Receiving Organization) Dan A. Batchelder TWM/TEL		3. From: (Originating Organization) LMSI TWM/TEL		4. Related EDT No.: N/A	
5. Proj./Prog./Dept./Div.: LMSI/TWM/99090-1		6. Design Authority/ Design Agent/Cog. Craig LeDuc		7. Purchase Order No.: N/A	
8. Originator Remarks: Please review the attached specifications HNF-3735 Rev 0				9. Equip./Component No.: N/A	
				10. System/Bldg./Facility: Telecommunications Infrastructure	
11. Receiver Remarks: 11A. Design Baseline Document? [X] Yes [] No Fiber Optic Cross-Connect Records Required with As-Built []				12. Major Assm. Dwg. No.: N/A	
				13. Permit/Permit Application No.: N/A	
				14. Required Response Date: 12/29/98	

15. DATA TRANSMITTED					(F)	(G)	(H)	(I)
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Approval Designator	Reason for Transmittal	Originator Disposition	Receiver Disposition
1	HNF-3735		0	183 KE HLAN	S/Q	4		

16. KEY					
Approval Designator (F)		Reason for Transmittal (G)		Disposition (H) & (I)	
E, S, Q, D or N/A (See WHC-CN-3-5, Sec. 12.7)		1. Approval 2. Release 3. Information	4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment	4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)						
(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M)	
4	1	Cog.Eng.:	See Specification cover sheet	<i>[Signature]</i>	12/14/98	G3-35
4	1	Design Authority: D.E. Havens	See Specification cover sheet	<i>[Signature]</i>	12/14/98	G3-35
4	1	OSP/ISP Lead: R.K. Curry	see specification cover sheet	<i>[Signature]</i>	12/14/98	G3-35
4	1	QA: R.K. Curry	See Specification cover sheet	<i>[Signature]</i>	12/14/98	G3-35
4	1	NM Lead: B.A. Marin	<i>[Signature]</i>	12/14/98	G2-04	
4	1	Electronics: W.F. Sheehan	<i>[Signature]</i>	12/14/98	G3-35	
4	1	TWM Lead: D.A. Batchelder	<i>[Signature]</i>	12-15-98	G3-35	
4	1	Operations: J.J. Blackmore	<i>[Signature]</i>	12/15/98	G3-35	
4	1	IVDTS: M.E. Froehlich	<i>[Signature]</i>	12/15/98	G3-35	
4	1	Facilities: T.M. Holmes	See Specification cover sheet	<i>[Signature]</i>	12/15/98	G3-60
4	1	Safety: T.M. Holmes	See Specification cover sheet	<i>[Signature]</i>	12/15/98	G3-60

18. Signature of Sub- Date Originator <i>[Signature]</i> 12/14/98	19. Authorized Representative Date for Receiving Organization D. A. Batchelder 12-15-98	20. Design Authority/ Cognizant Manager <i>[Signature]</i> 12/15/98	21. DOE APPROVAL (if required) Ctrl. No. [] Approved [] Approved w/comments [] Disapproved w/comments
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Fluor Daniel
Hanford Company

P.O. Box 1000
Richland, Washington 99352

HNF-3735

Revision No. 0

Total Pages *8* 7

Project Hanford Management Contractor
for the U.S. Department of Energy
under Contract No. DE-AC06-86RL13200.

HN960161

105384/AJ50

SPECIFICATION FOR 183KE HLAN

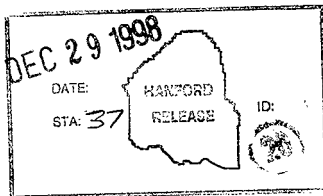
System No.
Equipment No.

Building: 183KE

Project: HLAN INSTALLATION

Impact Level: Q/S

Prepared By: Lockheed Martin Services, Inc.



Approved By:

Date

[Signature]
D. E. Havens, Design Authority

12/15/98

[Signature]
R. K. Curry, QA

12/14/98

[Signature]
T. M. Holmes, Facilities/Safety

12/15/98

TECHNICAL SPECIFICATIONS

DIVISION 1 -GENERAL REQUIREMENTS

SECTION 01010

SUMMARY OF WORK

PART 1. GENERAL

1.1 SCOPE OF WORK

- A. Purpose. The purpose of this specification is to provide [new] telecommunications service to 183KE, 100K.
- B. Site Description. Worksite is in the 100K Area of Hanford Site and is located approximately (45road miles) north of Richland.
- C. Milestones.
 - 1. Need by date: 1/8/99
 - 2. Completion date: 1/29/99
- D. Applicability. This specification documents telecommunications requirements for Site [HLAN] systems.
- E. Exceptions. This specification addresses the installation of systems for unclassified data only. Classified systems are subject to different requirements.

1.2 RELATED SECTIONS

Section 1540 - Worksite Security and Safety

1.3 DESIGN MEDIA

Unless otherwise specified, the Standard Specification for Hanford Site Telecommunications Systems and Facilities, HNF-S-0403 shall be used as a design basis for standard telecommunications systems and facilities.

1.4 WORKSITE CONDITIONS

Worksite safety and security conditions are described in the following Good Faith Inspection form.

1.4 Inspection form - Blank - N/A.
(This page intentionally left blank, per telecon
with Craig LeDuc, 12/29/98.)
J. Aardal/Sta. 37

1.5 REFERENCES

- A. HNF-3735, Standard Specification for Hanford Site Telecommunications Systems and Facilities.
- B. Purchase Order TGG-SVV-393260, "Integrated Voice Data Telecommunications System."

1.5 GENERAL REQUIREMENTS

- A. Terminology. Terminology used in this specification is defined in Federal Standard 1037C.
- B. Measurement. Measurements provided in this specification are computed using the International System of Units (SI), i.e. the metric system. U.S. System measurements are provided as supplementary information.
- C. System Description.
 - 1. Telecommunications Requirements. Standard telecommunications construction and installations are described in *Standard Specification for Hanford Site Telecommunications Systems and Facilities*, HNF-S-0403.
 - 2. Supporting Telecommunications Facilities.
 - a. Hanford Local Area Network (HLAN) Services. The supporting HLAN network node is located at m0-442
 - b. Telephone Service. Provided from the Area Switch Node at Building No. 2220W

D. Description of Work.

This project is to install HLAN into the 183KE building located at 100K Area. A two fiber optic cable shall be installed between M0-442 and 183 KE. The HLAN concentrator will be a UB Network with two HLAN drops installed.

1.6 CONTRACTOR USE OF SITE

Contractor use of the Site shall follow the guidelines and procedures set forth in the IVDTS Contract (Reference 1.3.B) and HNF-S-0403 (Reference 1.3.A).

1.7 DELIVERY, STORAGE AND HANDLING

Devices and equipment shall be visually inspected by the Contractor when received and prior to acceptance from conveyance. Stored items shall be protected from the environment in accordance with the manufacturer's published instructions. Specific delivery storage and handling instructions for specific items

are described in the pertinent section.

1.8 PERMITS AND INSPECTION

Guidelines and procedures for permits and inspections are described in the IVDTS Contract (Reference 1.3.B)

1.9 SKETCHES

The project sketches to be used for the performance of the work described in this specification are provided in Appendix A.

PART 2. PRODUCTS

Not Used

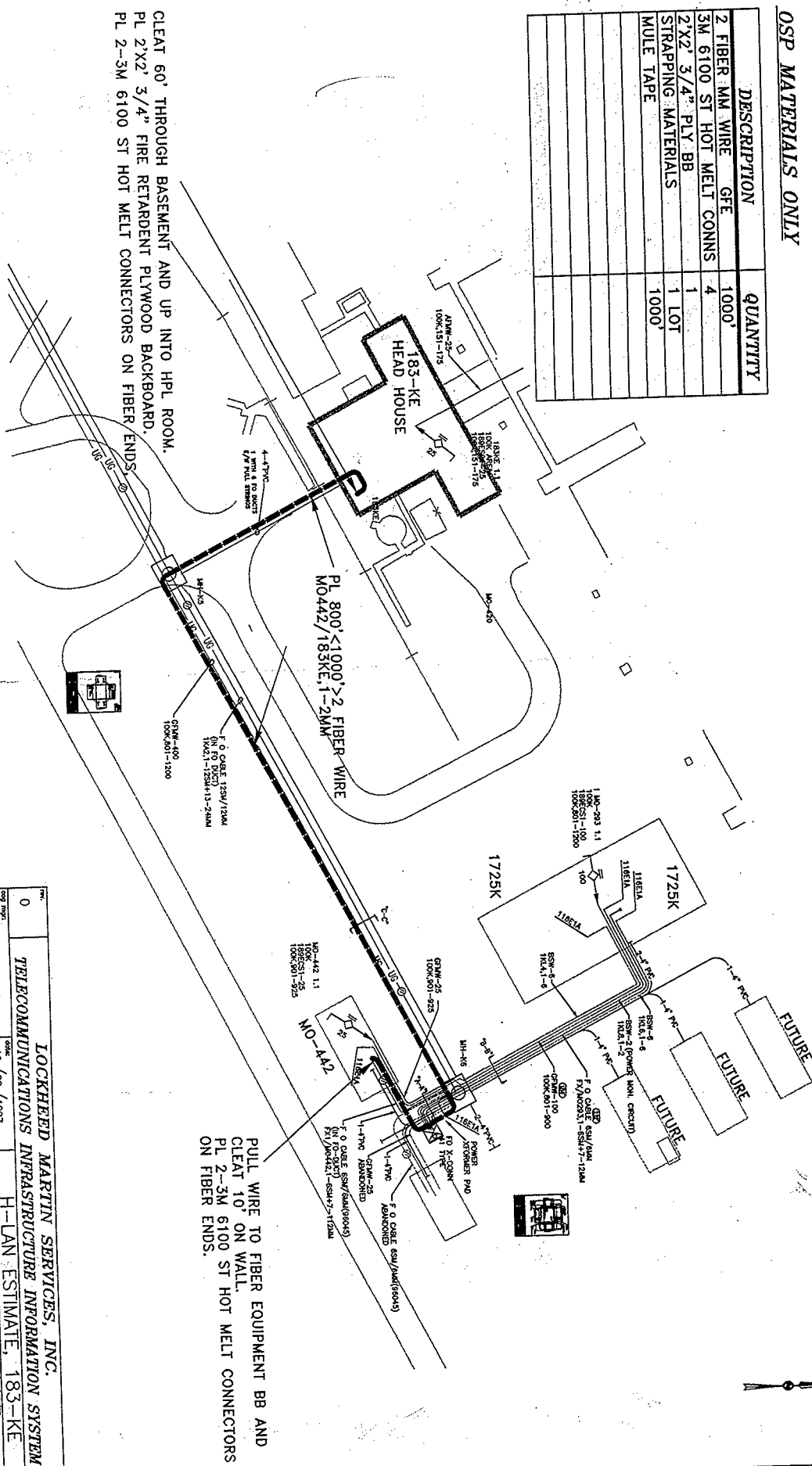
PART 3. EXECUTION

Not Used

END OF SECTION

OSP MATERIALS ONLY

DESCRIPTION	QUANTITY
2 FIBER MM WIRE GFE	1000'
3M 6100 ST HOT MELT CONNS	4
2'X2' 3/4" PLY BB	1
STRAPPING MATERIALS	1 LOT
MULE TAPE	1000'



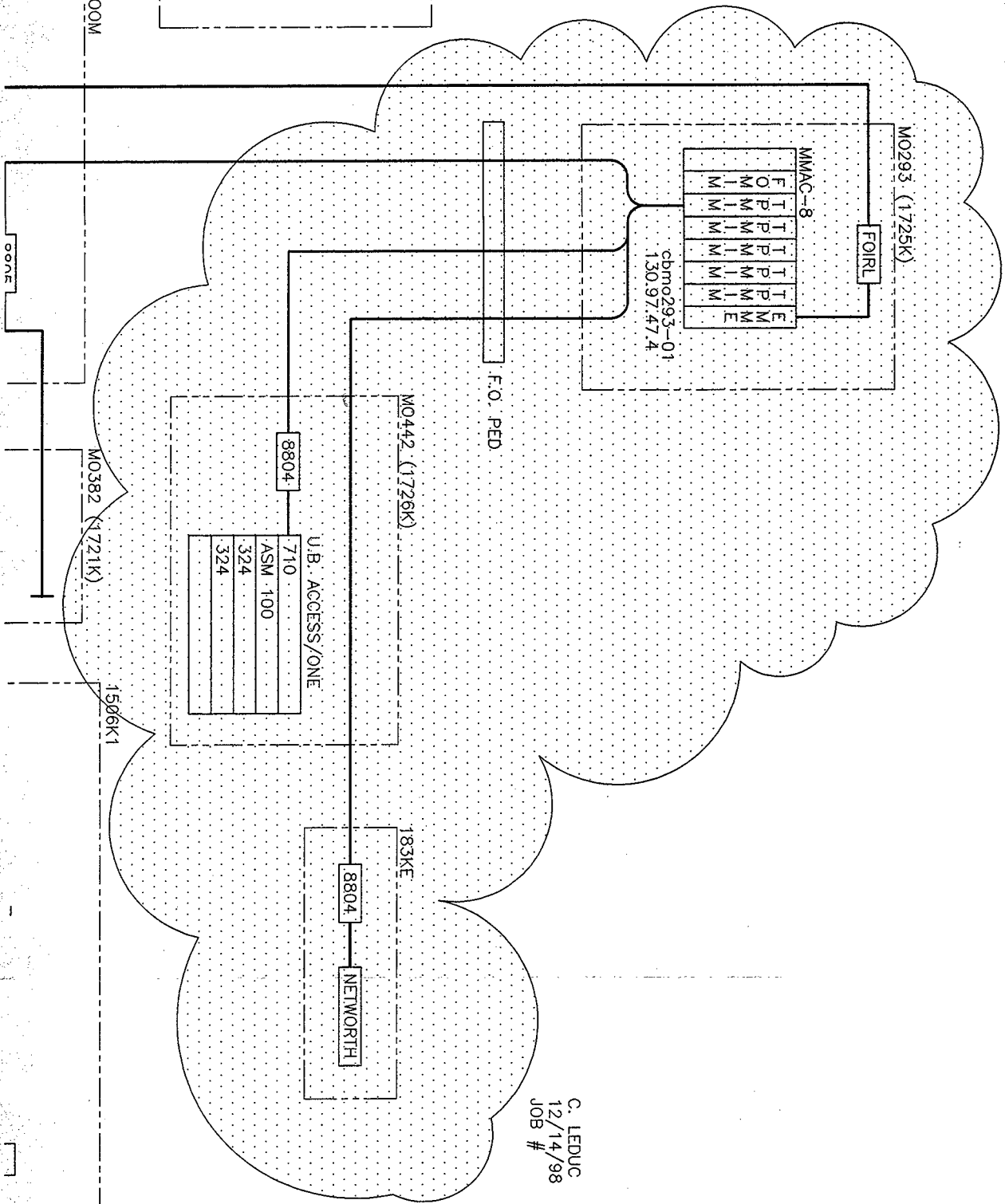
CAUTION: CONFINED SPACE.

[illegible]

C. LEDUC
12/14/98
JOB #

942/2

F.O. PANE



U.B. ACCESS/ONE
710
ASM 100

U.B. ACCESS/ONE
710
ASM 100

MMAC-8
T T T T T T T T E
P P P P P P P P
M M M M M M M M
130.97.15.2
cbmo401-01

MMAC-8
F O M M M M M M T T T T T T T T E
130.97.47.4
cbmo293-01

U.B. ACCESS/ONE
710
ASM 100
324
324
324

183KE
8804
NETWORTH

DISTRIBUTION SHEET

To Distribution	From Craig LeDuc 376-3435	Page 1 of 1			
		Date 12/10/98			
Project Title/Work Order 183KE HLAN Installation		EDT No. 623043			
		ECN No. N/A			
Name	MSIN	Text With All Attach .	Text Only	Attach. / Appendi x Only	EDT/ECN Only

LMSI Project Files (98090-1)	G3-35	X
Central Files (1 copy + original)	B1-07	X