START 9337.0056

0040854

Mr. John Grantham
State of Washington
Department of Ecology
Nuclear & Mixed Waste Program
P. O. Box 47600
Olympia, WA 98504-7600

FLUOR DANIEL, INC.

Date: February 11, 1994

Reference: Hanford Waste Vitrification Plant
DOE Contract DE-AC06-86RL10838
Fluor Contract 8457

Transmittal No.: WDOE-848

Dear Mr. Grantham:

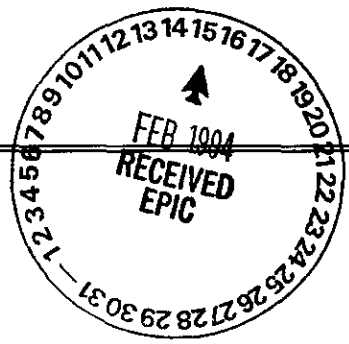
TRANSMITTAL

We enclosed 2 copy of the items listed below. These are issued per US-DOE request.

[ ] Approval [ ] Reference [ ] Review and Comment [X] DCN-RFC

Response due to Fluor: N/A
Responds to: A160 PACKAGE

NUMBER	REV	DATE	TITLE
DCN - #0149	0	02/04/94	DCN TITLE: **A160 UNDERGROUND RECONFIGURATION** "RELEASED FOR CONSTRUCTION"



Reference: FRP-1389, FUP-806
Distribution:
R. L. Long - DOE-RL, w/0
TWP/AME Corresp Cntrl Cntr MSIN A5-10
(A160 PACKAGE), w/0
P. Felise - WHC-RL (MSIN G6-06), w/1
Environmental Data Management Center
(MSIN [illegible]), w/1
D. Duncan - US EPA, Region X, w/0

Very truly yours,

Nazy Eshraghi for/

R.S. Poulter
Project Director

RSP:KKS: nre

9513337.0057

FLUOR DANIEL

US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DCN - 0149	REV 0	PAGE 1 OF 31
DCN TITLE: A160 Underground Reconfiguration		DATE INITIATED: 12/02/93
		PACKAGE NO.: A160

SECTION 1: DESCRIPTION OF CHANGE

1. Reconfigure underground cables from switchboard SB-32T-002 to SB-32T-001.
2. Superceded DCN-0047, DCN-0064, DCN-0072, DCN-0073, DCN-0133 and DCN-0139.
3. Removed Hold No. 435. Placed Hold No. 437.
4. Revised and added underground sections.

FOR LIST OF AFFECTED DOCUMENTS, SEE SECTIONS 6 AND 7.

CAUSE OF CHANGE:

- ☐ Field Change Request
- ☐ Supplier Disposition
- ☐ Deficiency Report
- ☐ Design Development
- ☒ Change Request
- ☐ TBD/Hold
- ☐ Other _____

CR-1069R1
Initiating Document(s)

SECTION 2: EVALUATION

			IF "YES", ADDITIONAL REVIEW REQUIRED BY:	REVIEWER COMMENTS AND SIGNATURE/DATE
WAPA DWG/SPEC?	☒ NO	☐ YES		
QUALITY LEVEL 1 DWG/SPEC?	☒ NO	☐ YES		
SAFETY CLASS 1 OR 2 DWG/SPEC?	☒ NO	☐ YES		
SYSTEMS ANALYSES AFFECTED?	☒ NO	☐ YES		
MULTI-DISCIPLINE CHANGE?	☒ NO	☐ YES		

DCN Evaluated by: Systems T. Thompson 12/9/93 ADM R. Clare Others _____

SECTION 3: APPROVED FOR CONSTRUCTION

J. L. Wood for K. K. Sanders 12/9/93
Originator Date

M. N. Featherston 12/9/93
Project/Resident Engineer Date

SECTION 4: CONCURRENCE

1/31/94
Project Management Date

1/31/94 BD
Systems Date: 2-1-94

1-27-94
Independent Safety Date

1-26-94
Quality Assurance Date

1-26-94
Configuration Management Date

SECTION 5: RELEASED FOR CONSTRUCTION

PE STAMP REQUIRED? ☐ NO ☒ YES

4 FEB 94
WHC Date

2-4-94
UCAT Date

2/4/94
DOE Date

COMMENTS:

9513337.0058

FLUOR DANIEL

US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DCN - 0149	REV	DISCIPLINE	PKG. NO.	PAGE
	0	Electrical	A160	2

PREPARED BY: M. McCaughey Date: 12/8/93

DISCIPLINE ENGINEER: Kumar Srivastava Date: 12/8/93

SECTION 6: CONSTRUCTION DOCUMENTS AFFECTED

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	INCLD Y/N	DESCRIPTION OF CHANGE
H-2-122083	1	1	Electrical One-Line Diagram	Y	Added power feeder for firewater pump PX-500-P002B and superceded DCN-0139.
H-2-122083	2	0	Electrical One-Line Diagram	Y	Deleted feeders.
H-2-122084	1	2	Electrical Underground Conduit and Grounding Plan	Y	Superceded DCN-0047, DCN-0064, DCN-0073 and DCN-0133.
H-2-122085	1	2	Electrical Underground Conduit and Grounding Plan	Y	REVISED UNDERGROUND DUCT
H-2-122086	1	2	Electrical Underground Sections	Y	Revised/added underground section and removed Hold No. 435. Place Hold No. 437.
H-2-122093	1	2	Electrical Underground Cable Plan	Y	SUPERCEDED DCN-0064.
Specification B-595-C-A160-16111	Attach-ment A	2	Conduit/Cable Schedule	Y	Changes due to DCN-0133, DCN-0139.
	Attach-ment B	2	Conduit/Cable Schedule	Y	Rerouted U/G cables.
B-595-C-A160-16100	11	2	Electrical Installation	Y	Revise Paragraph 3.1.9.2.3.
B-595-C-A160-16110	27	3	Electrical Material and Devices	Y	Revise Paragraph 2.1.27.

SECTION 7: NON-CONSTRUCTION DOCUMENTS AFFECTED

This section references affected items such as P&IDs or calculations/analyses, but they are generally not included in DCN package.

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	DESCRIPTION OF CHANGE
N/A				

9513337.0059

Attachment A, Pages 1, 8, 9, 10, 11, 12, 15 (SPEC. B-595-C-A160-16111)

Attachment B, Pages 7, 8, 9, 10, 13 (SPEC. B-595-C-A160-16111)

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE		
DESCRIPTION OF CHANGE A160 Underground Reconfiguration		BASE DOC. NO. B-595-C-A160-16111 SHT/PG. See Above REV. 2 DISCIPLINE: Electrical		
PREPARED BY: M. McCaughey	DATE: 12/8/93	DCN - 0149	REV 0	PAGE 3
DISCIPLINE ENGINEER: Kumar Srivastava	DATE: 12/8/93			

9513337.0060

2.1.27 Wood Boards

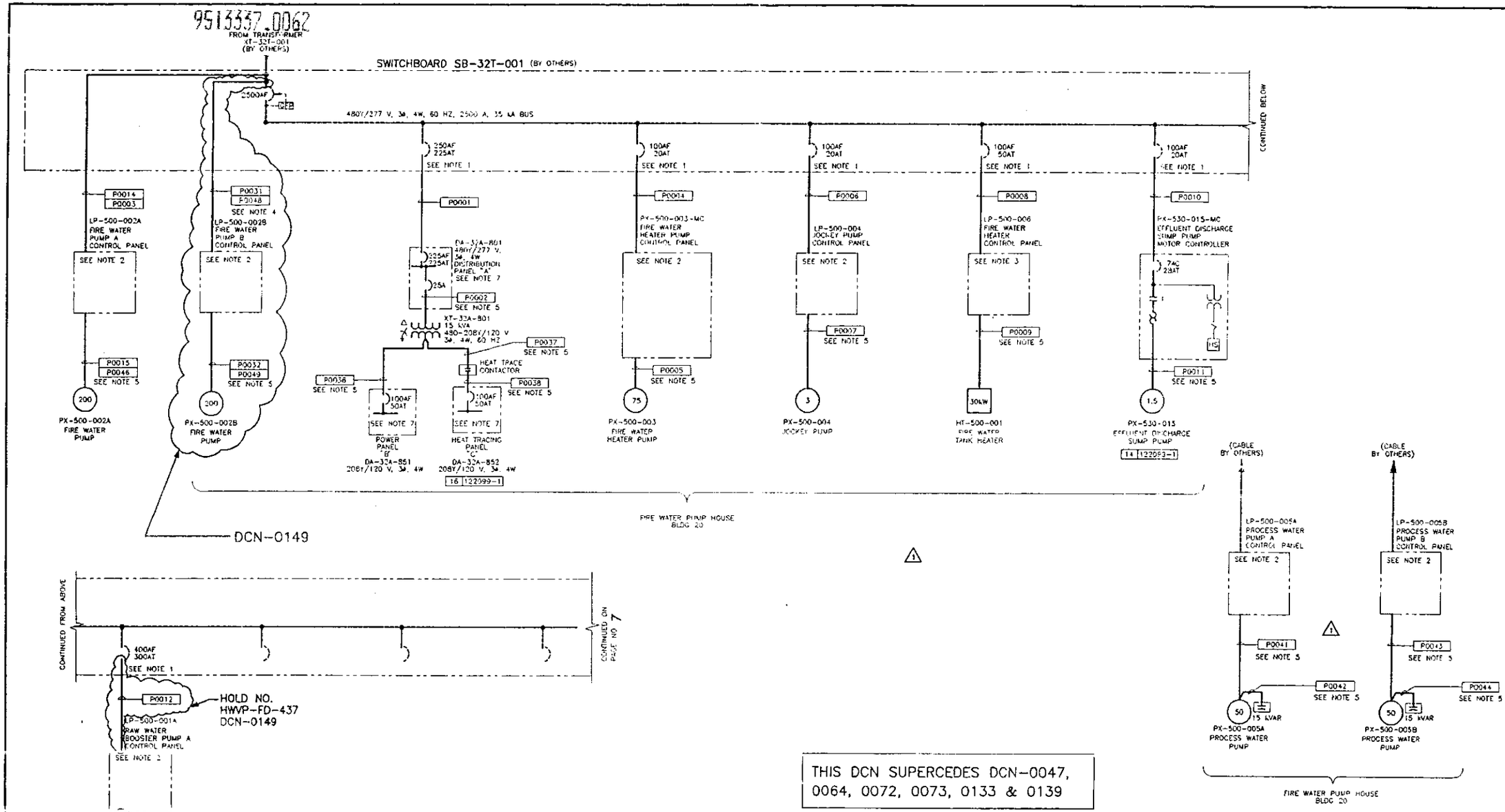
Boards for protecting underground direct buried cable(s) shall be ~~redwood~~ ~~preservative treated~~, one inch thick by eight inches wide (nominal).

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE		
DESCRIPTION OF CHANGE A160 Underground Reconfiguration		BASE DOC. NO. B-595-C-A160-16110 SHT/PG. 27 REV. 3 CR No. 1069 R1 DISCIPLINE: Electrical		
PREPARED BY: M. McCaughey	DATE: 12/8/93		REV	PAGE
DISCIPLINE ENGINEER: Kumar Srivastava	DATE: 12/8/93	DCN - 0149	0	4

3.1.9.2.3 Underground cables shall be protected by wood boards, ~~where as~~ shown on the Contract Drawings.

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE		
DESCRIPTION OF CHANGE A160 Underground Reconfiguration		BASE DOC. NO. B-595-C-A160-16100 SHT/PG. 11 REV. 2 CR. No - 1069 R1 DISCIPLINE: Electrical		
PREPARED BY: M. McCaughey	DATE: 12/8/93		REV	PAGE
DISCIPLINE ENGINEER: Kumar Srivastava	DATE: 12/8/93	DCN - 0149	0	5

9513537.0062



THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

FLUOR DANIEL

U.S. DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESCRIPTION OF CHANGE:

A160 UNDERGROUND RECONFIGURATION

PREPARED BY: [signature] DATE 12/02/93

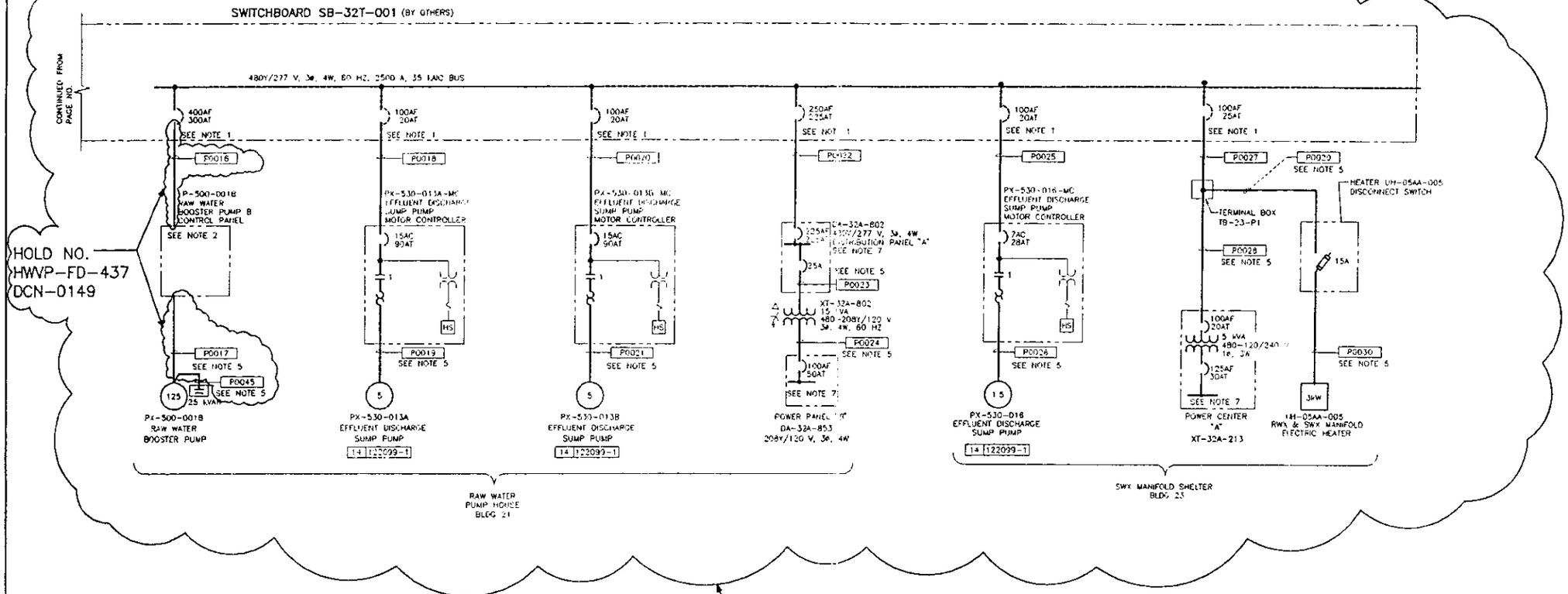
DISCIPLINE ENGINEER: [signature] DATE 12/09/93

DESIGN CHANGE NOTICE

BASE DOC. NO. H-2-122083
SHT/PG 1 REV. 1
CR NO 1069 R1
DISCIPLINE: ELECTRICAL

DCN-0149	REV. 0	PAGE 6

9513537.0065



HOLD NO.
HWVP-FD-437
DCN-0149

DCN-0149

THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

NOTES:

1. BRANCH FEEDERS SHALL BE CONNECTED TO EXISTING SWITCHBOARD CIRCUIT BREAKERS. CIRCUIT NUMBERS AND POSITIONS SHALL BE VERIFIED PRIOR TO CONNECTION.
2. MOTOR CONTROL EQUIPMENT SUPPLIED WITH THE PUMP. VENDOR WILL SUPPLY ALL WIRING AND ELEMENTARY DIAGRAMS REQUIRED FOR INSTALLATION, TESTING AND MAINTENANCE.
3. HEATER CONTROL EQUIPMENT SUPPLIED WITH THE HEATER.
4. NOT USED
5. CABLE NUMBERS REFLECT THE ASSIGNED NUMBER ALONG WITH A, B, C SUFFIXES FOR EACH PHASE AND N SUFFIX FOR NEUTRAL AND G SUFFIX FOR GROUND, IF APPLICABLE. SEE CABLE AND RACEWAY SCHEDULES FOR SPECIFIC WIRE INFORMATION.
6. FOR STANDARD DRAFTING SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG H-2-122081 SH 1 AND SH 2
7. SEE PANEL SCHEDULE ON DWG H-2-122098.

FLUOR DANIEL | U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT

DESCRIPTION OF CHANGE

A160 UNDERGROUND RECONFIGURATION

PREPARED BY: G. Spruegl — DATE: 12/02/93

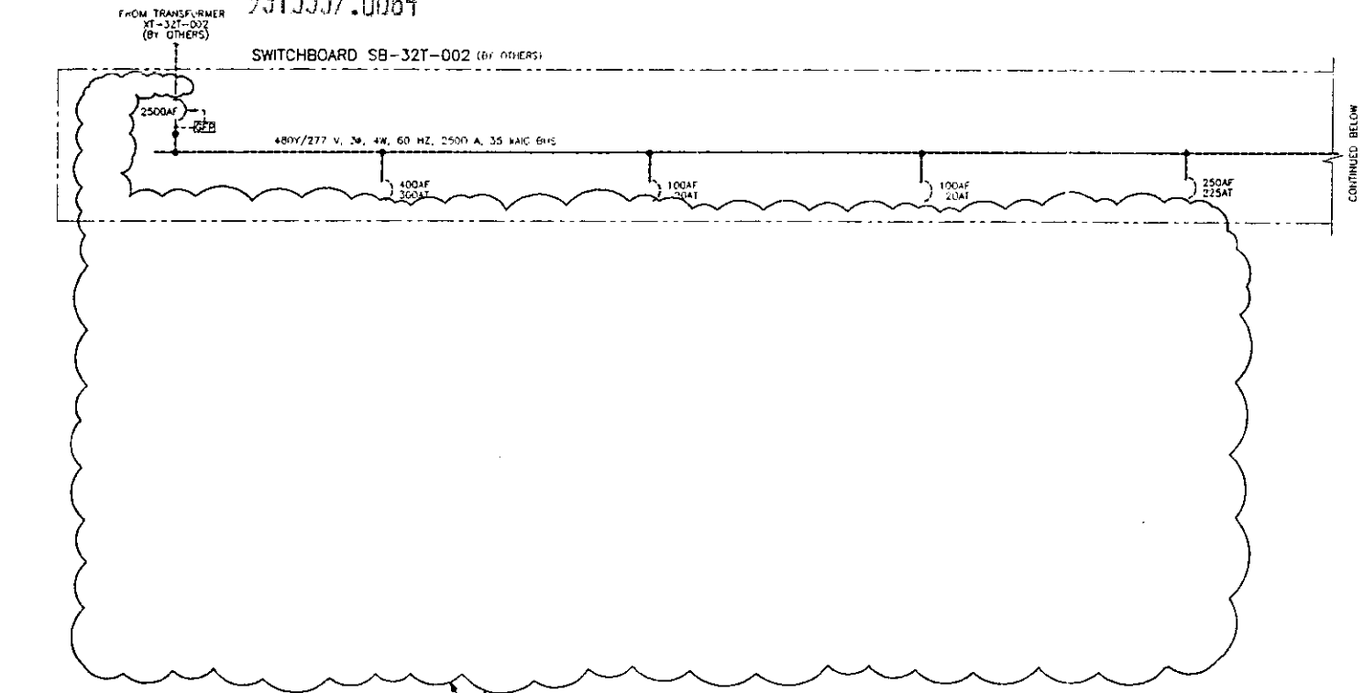
DISCIPLINE ENGINEER: L. Wagoner — DATE: 12/09/93

DESIGN CHANGE NOTICE

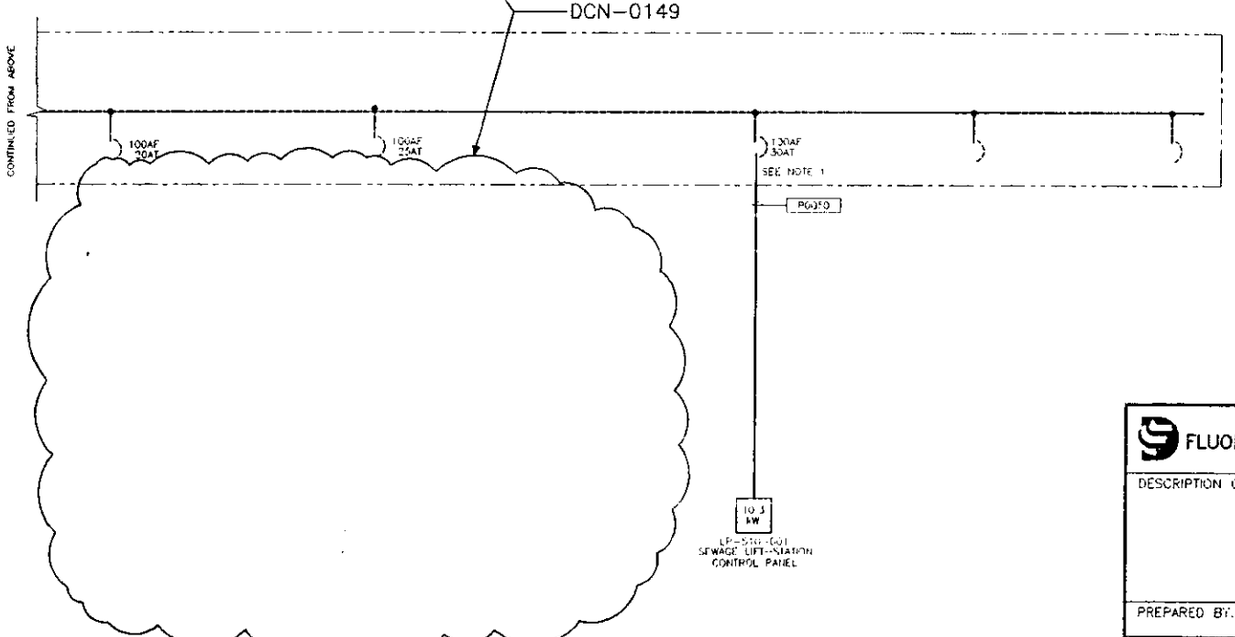
BASE DOC. NO. H-2-122083
SHT/PG. 1 REV. 1
CR NO. 1069 R1
DISCIPLINE: ELECTRICAL

DCN-0149	REV. 0	PAGE 7

9513357.0064



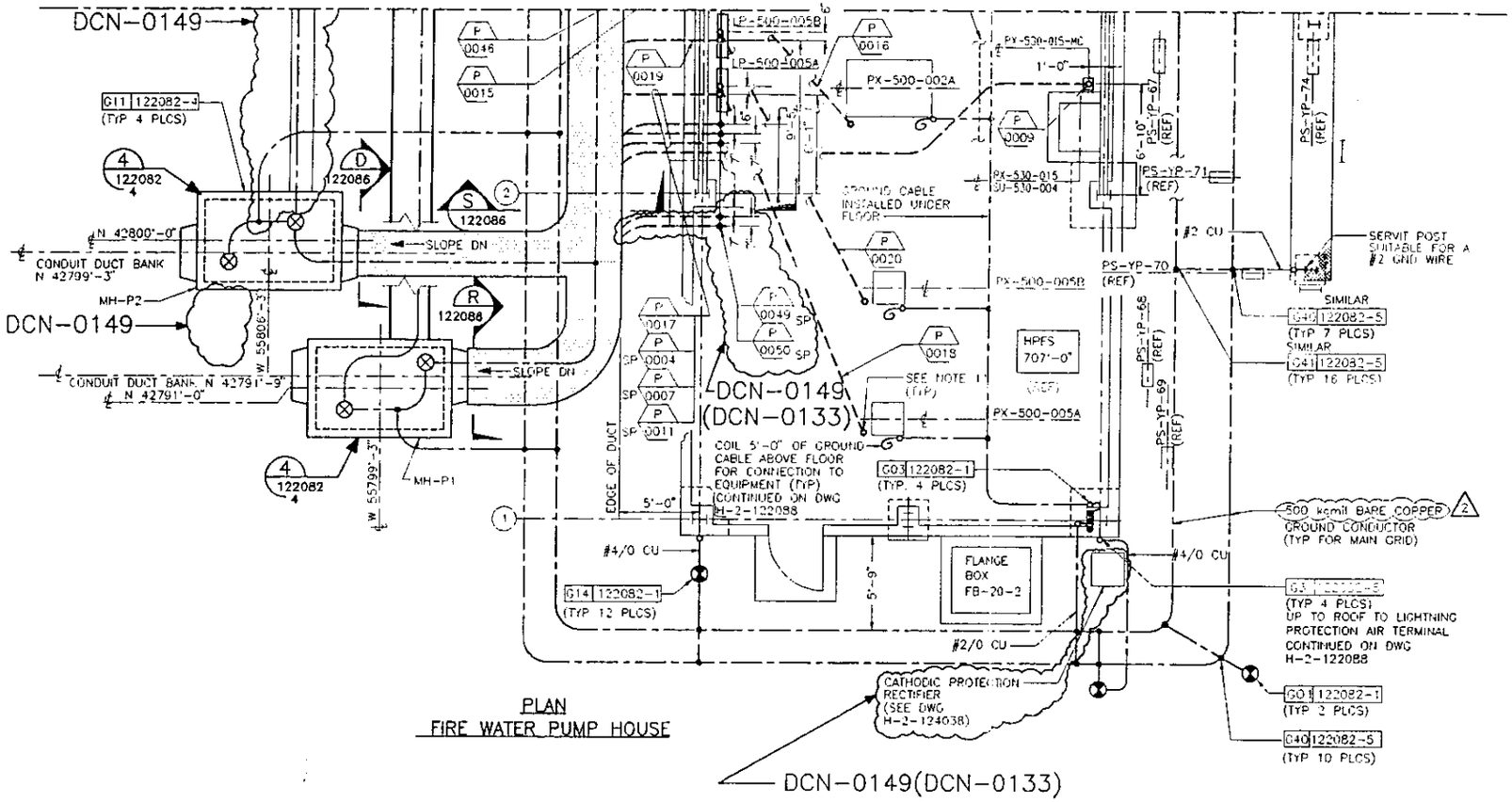
DCN-0149



THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: A160 UNDERGROUND RECONFIGURATION		BASE DOC. NO. H-2-122083 SHT/PG. 2 REV. 0 CR NO. 1069-R1 DISCIPLINE: ELECTRICAL
PREPARED BY: [signature] DATE: 12/07/93 DISCIPLINE ENGINEER: [signature] DATE: 12/9/93		DCN-0149 REV. 0 PAGE 8

9513337.0065



PLAN
FIRE WATER PUMP HOUSE

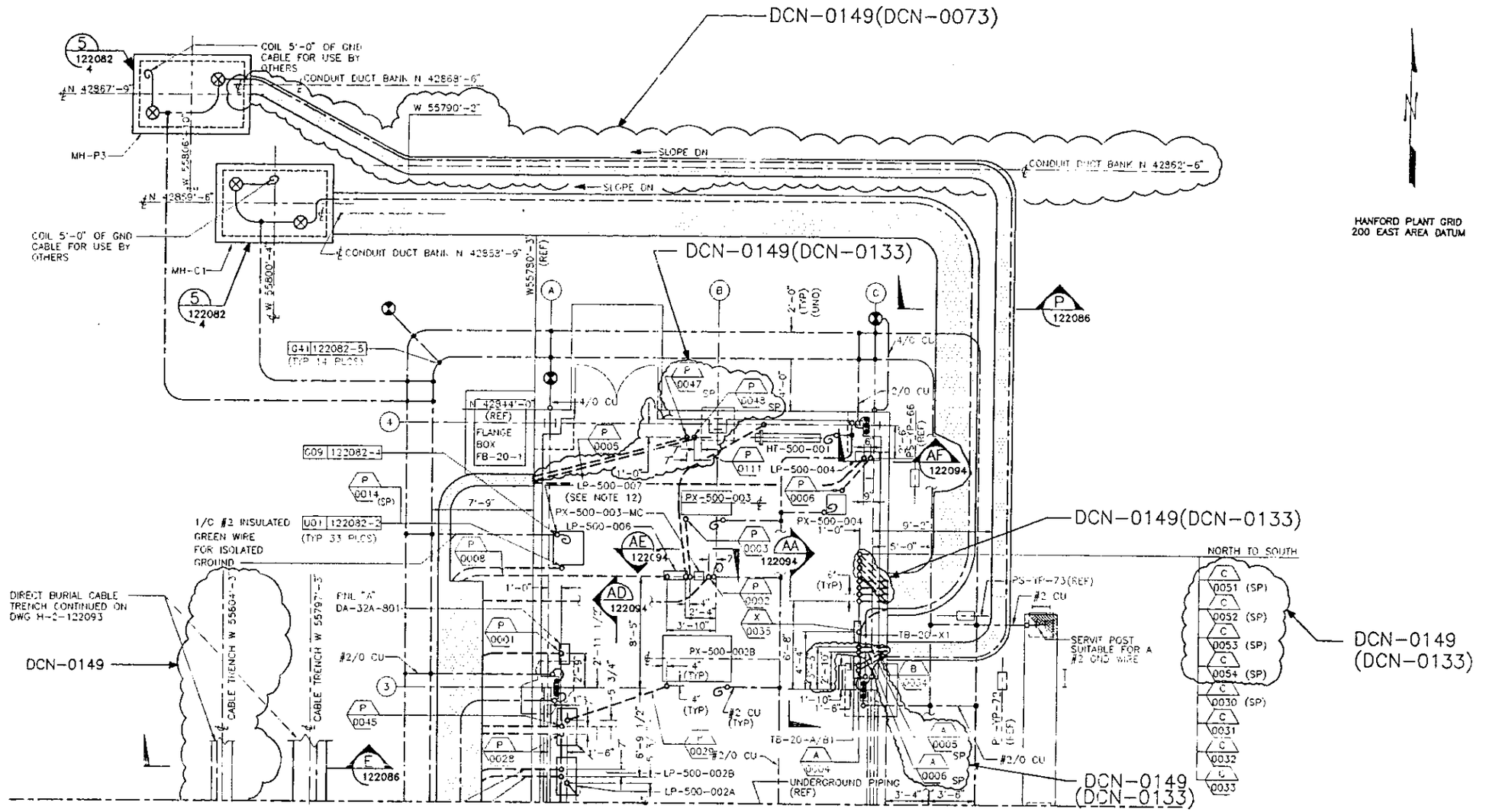
HANFORD PLANT GRID
200 EAST AREA DATUM

THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

NOTE:
ADDED 2-5" CONDUITS IN SECTIONS "D" & "R".

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: A160 UNDERGROUND RECONFIGURATION		BASE DOC. NO. H-2-122084 SHT/PG. 1 REV. 2 CR NO. 1069 R1 DISCIPLINE: ELECTRICAL
PREPARED BY: G. Spurgin	DATE: 12/02/93	
DISCIPLINE ENGINEER: W. Boss Davis	DATE: 1/9/93	DCN - 0149 / REV. 0 / PAGE 9

9513357.0066



THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

NOTE:
ADDED 6-4" CONDUITS TO SECTION "P" (A0005, A0006, C0051, C0052, C0053 & C0054)
ADDED 2-5" CONDUITS @ NORTH WALL (P0047 & P0048)

FLUOR DANIEL

U.S. DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

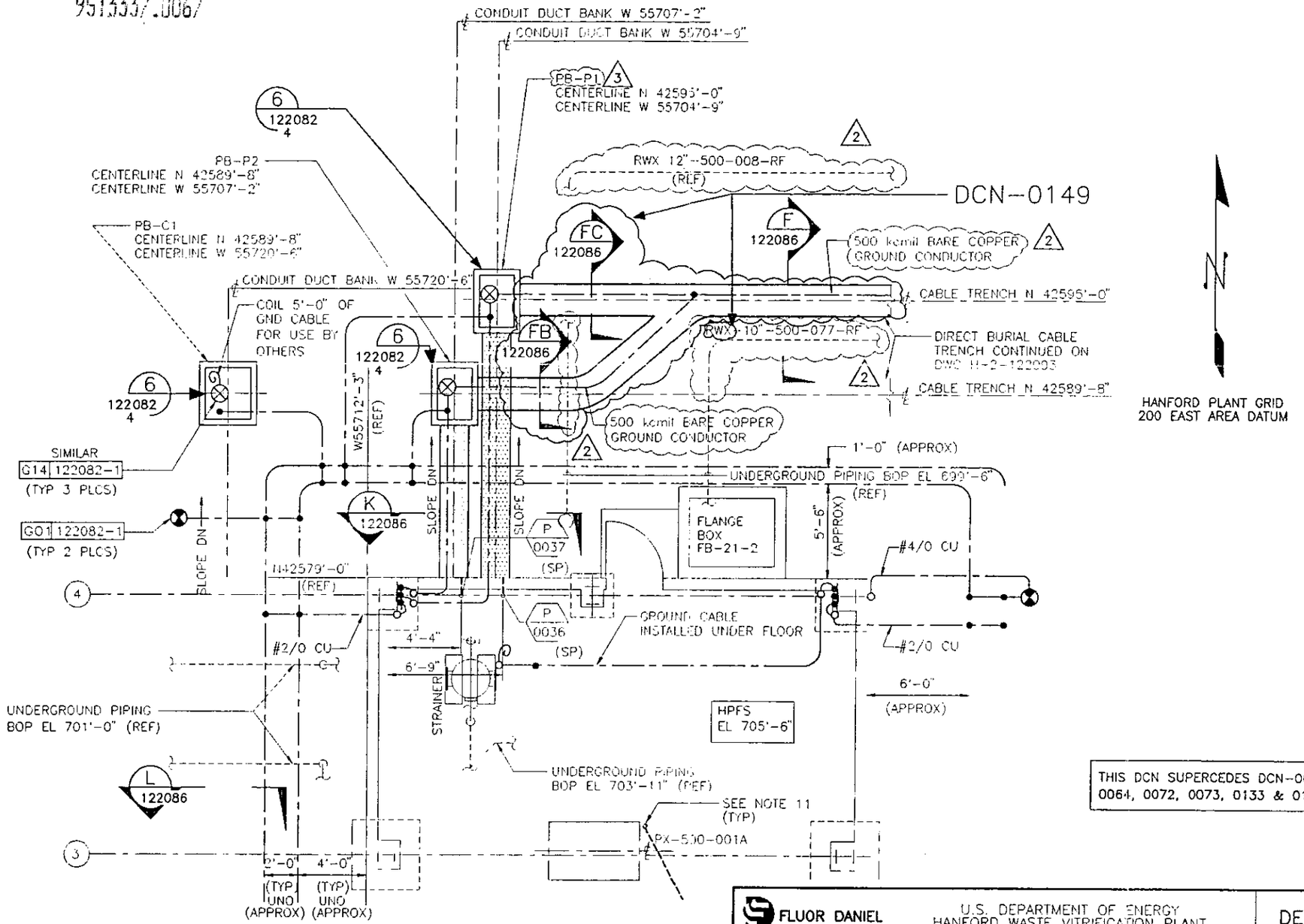
DESCRIPTION OF CHANGE
A160 UNDERGROUND RECONFIGURATION

BASE DOC NO H-2-122084
SHT/PG 1 REV 2
CR NO. 1069 R1
DISCIPLINE: ELECTRICAL

PREPARED BY: [signature] DATE: 12/02/93
DISCIPLINE ENGINEER: [signature] DATE: 12/9/93

DCN - 0149 | REV. 0 | PAGE 10

9513337.0067



THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

FLUOR DANIEL | U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT | DESIGN CHANGE NOTICE

DESCRIPTION OF CHANGE

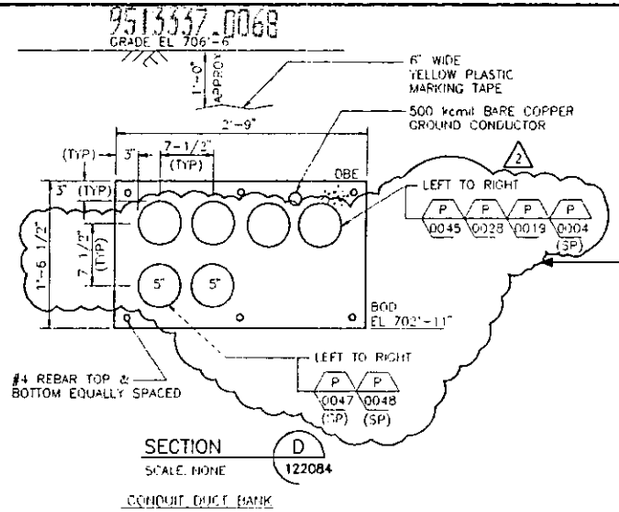
A160 UNDERGROUND RECONFIGURATION

BASE DOC. NO. H-2-122085
SHT/PG. 1 REV. 2
CR NO. 1069 R1
DISCIPLINE. ELECTRICAL

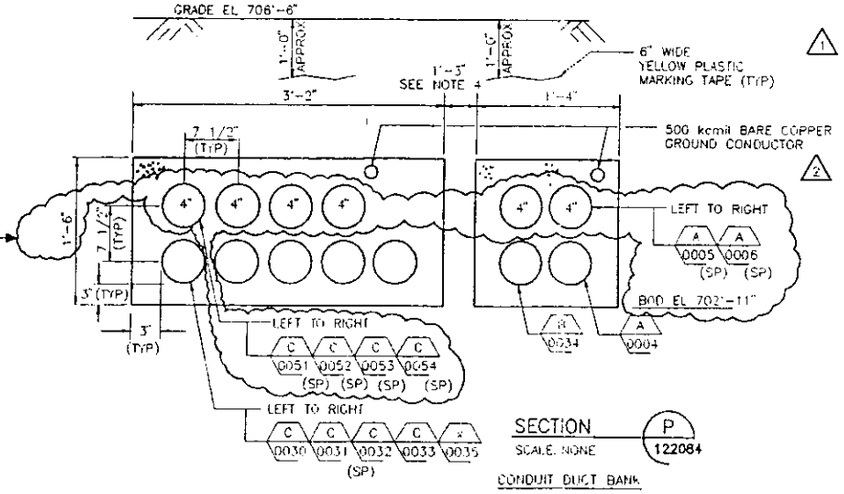
PREPARED BY: [signature] DATE: 11/18/93
DISCIPLINE ENGINEER: [signature] DATE: 1/24/94

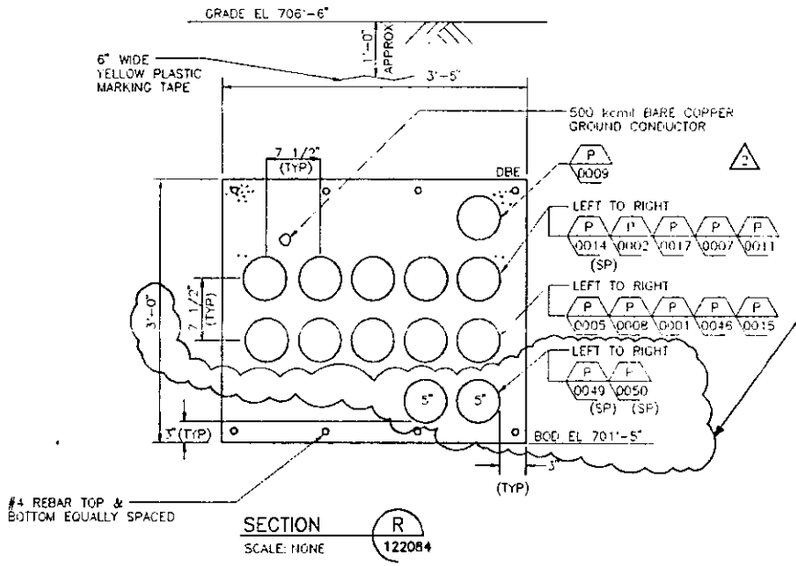
DCN-0149 | REV. 0 | PAGE //

9513337-0068

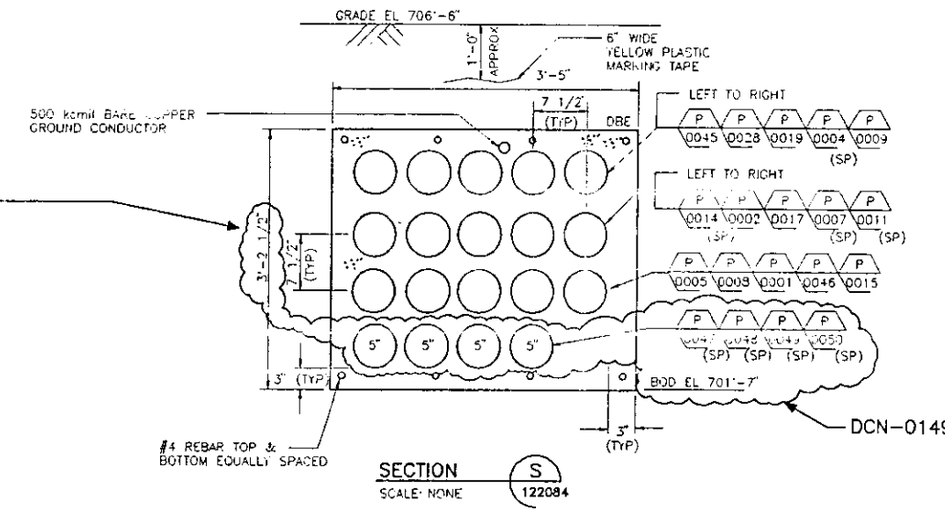


DCN-0149





DCN-0149



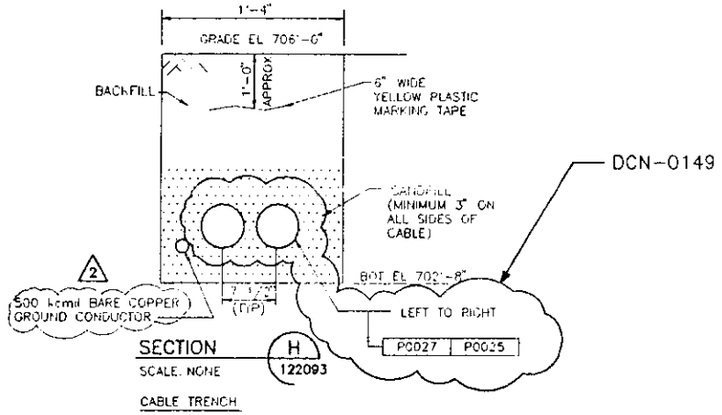
DCN-0149

CONDUIT DUCT BANK

THIS DCN SUPERCEDES DCN - 0047, 0064, 0072, 0073, 0133 & 0139

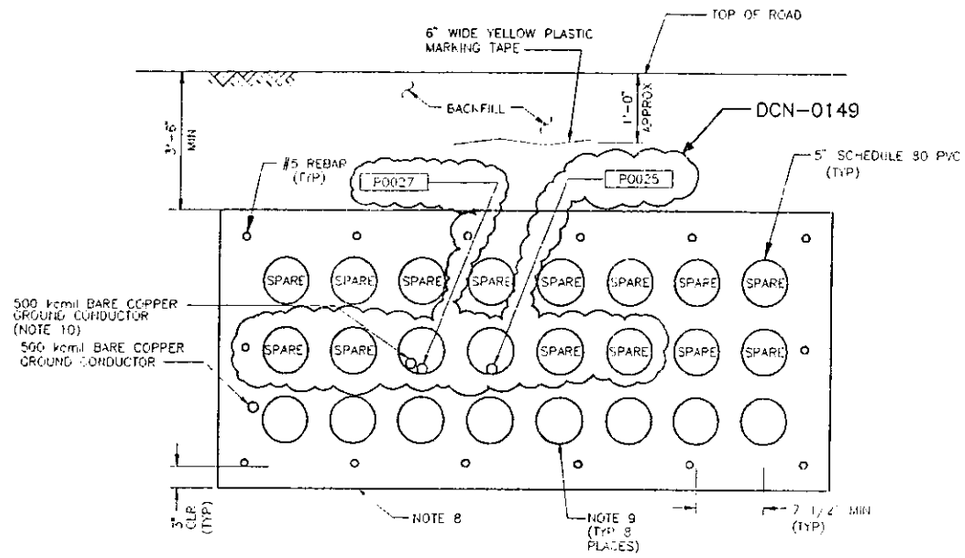
FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: A160 UNDERGROUND RECONFIGURATION		BASE DOC. NO. H-2-122086 SHT/PG. 1 REV. 2 CR NO. 1069 R1 DISCIPLINE: ELECTRICAL
PREPARED BY: [signature] DATE: 12/02/93		DCN - 0149 REV. 0 PAGE 12
DISCIPLINE ENGINEER: [signature] DATE: 12/9/93		

9515557.0069



SECTION H
SCALE: NONE
122093

CABLE TRENCH



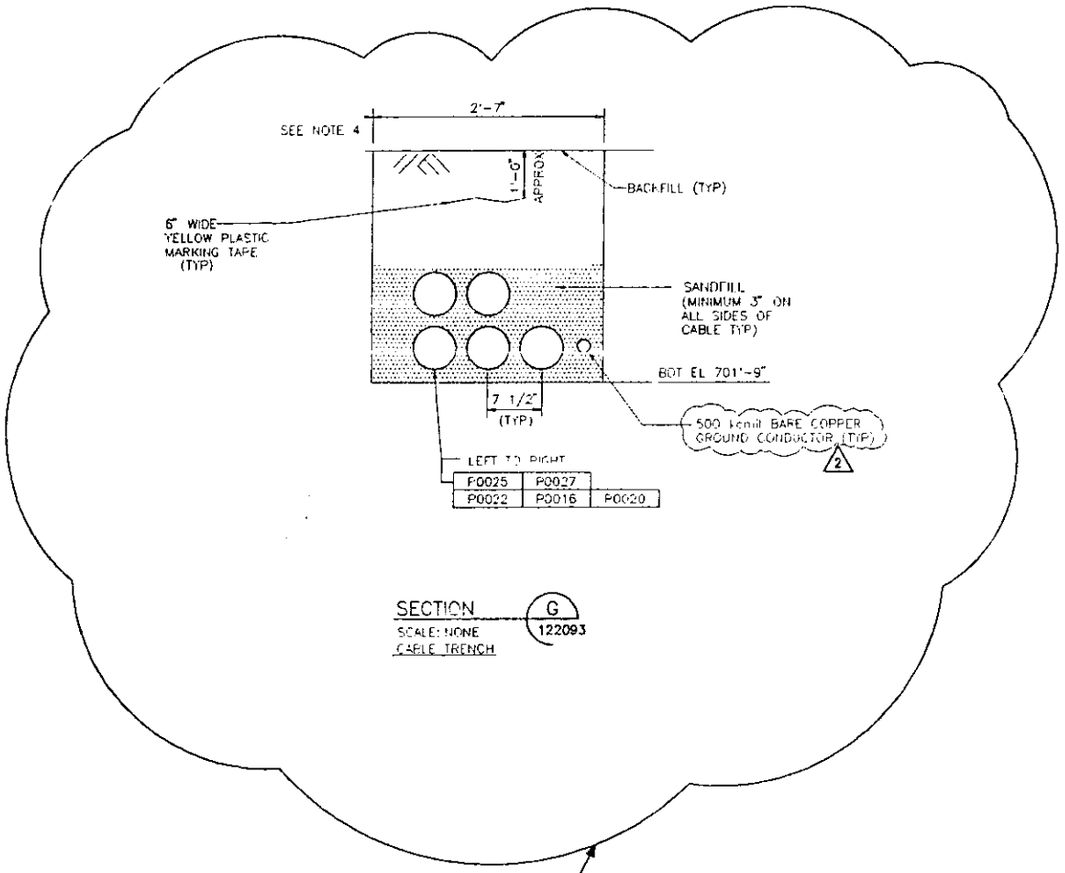
SEVENTH STREET CROSSING

SECTION HB
SCALE: NONE
122093

THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE		
DESCRIPTION OF CHANGE: A160 UNDERGROUND RECONFIGURATION		BASE DOC. NO. H-2-122086 SHT/PG. 1 REV. 2 CR NO. 1069-R1 DISCIPLINE: ELECTRICAL		
PREPARED BY: [signature]	DATE: 11/19/93	DCN - 0149	REV. 0	PAGE 13
DISCIPLINE ENGINEER: KK Boozarjania	DATE: 12/9/93			

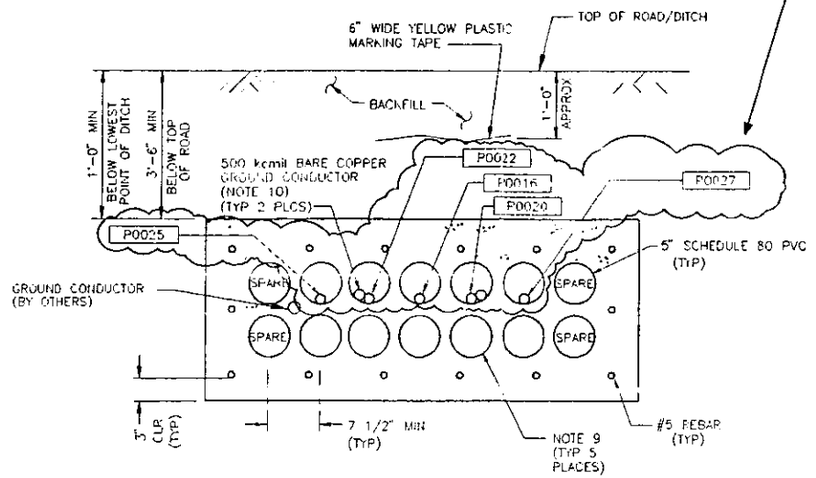
9513337.0070



SECTION G
SCALE: NONE
CABLE TRENCH
122093

DCN 0149

DCN 0149



ROAD & DITCH CROSSING

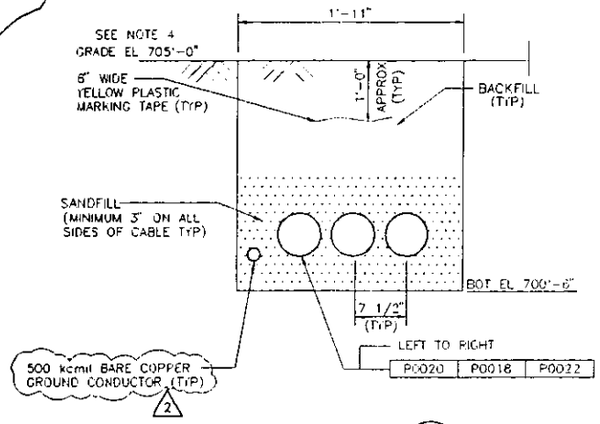
SECTION CG
SCALE: NONE
122093

THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

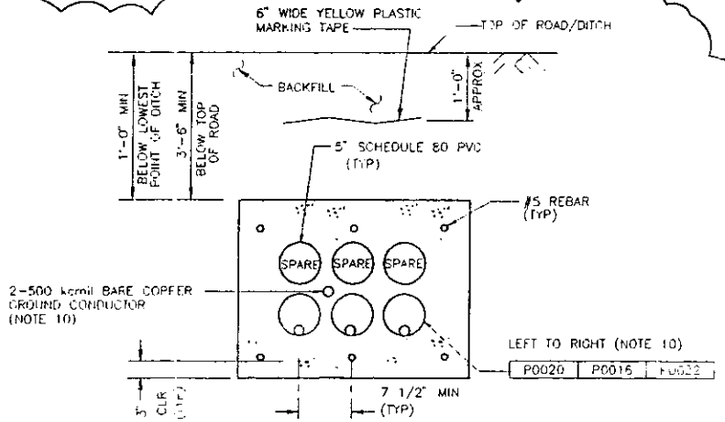
FLUOR DANIEL — U.S. DEPARTMENT OF ENERGY, HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: A160 UNDERGROUND RECONFIGURATION		BASE DOC. NO. H-2-122086 SHT/PG. 1 REV. 2 CP NO. 1069-R1 DISCIPLINE: ELECTRICAL
PREPARED BY:	DATE. 11\19\93	
DISCIPLINE ENGINEER:	DATE 12/9/93	DCN - 0149 / REV. 0 / PAGE 14

ACAD HS

9513557.0071

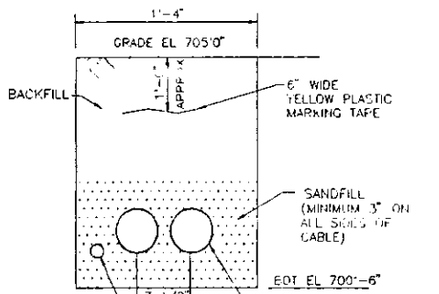


SECTION F
SCALE: NONE
CABLE TRENCH
122085
122093

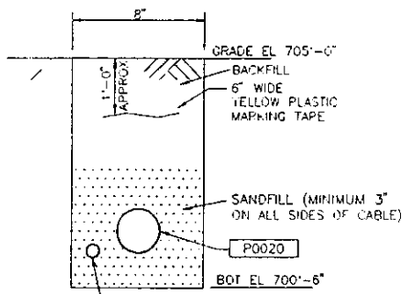


ROAD & DITCH CROSSING

SECTION FA
SCALE: NONE
122093



SECTION FB
SCALE: NONE
CABLE TRENCH
122085
122093



SECTION FC
SCALE: NONE
122085

THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

DCN 0149

FLUOR DANIEL | U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT | DESIGN CHANGE NOTICE

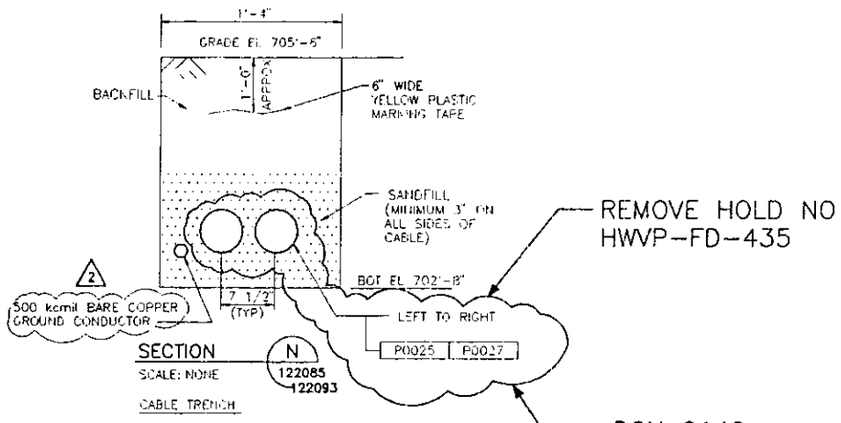
DESCRIPTION OF CHANGE:
A160 UNDERGROUND RECONFIGURATION

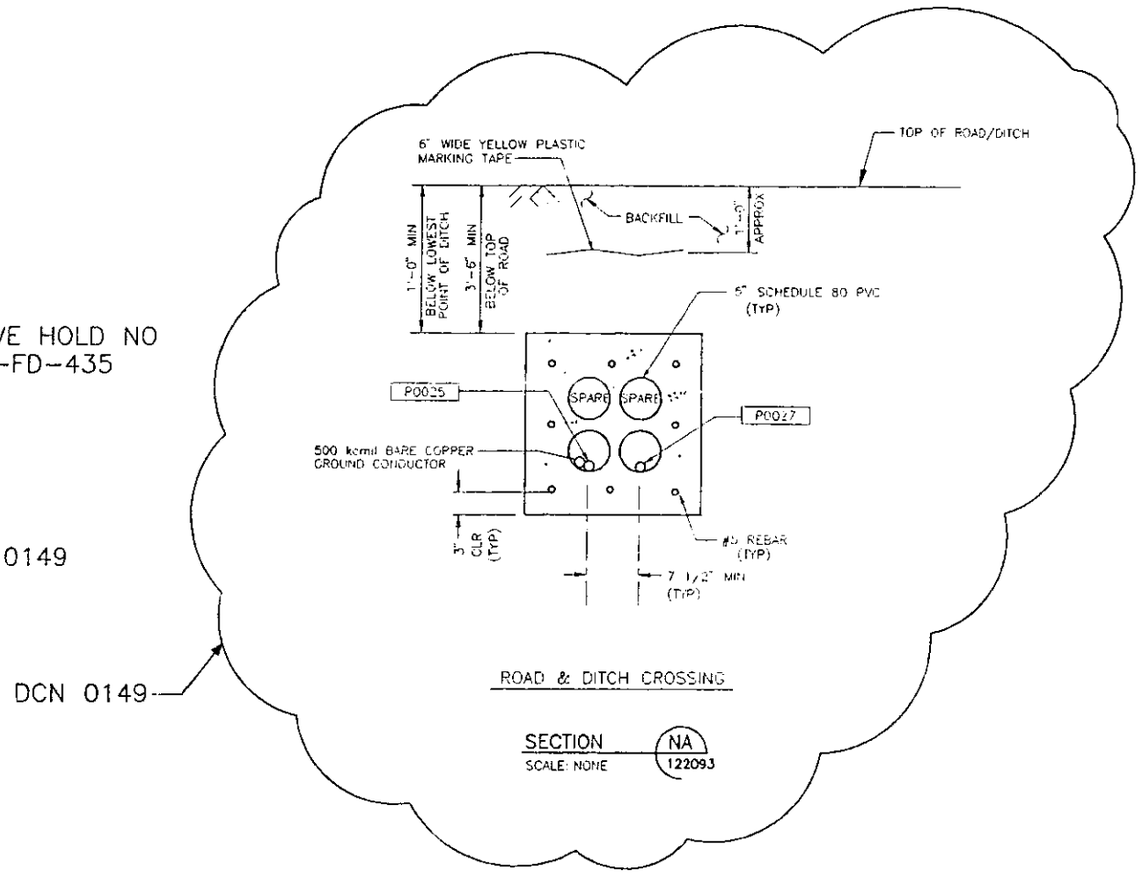
BASE DOC NO H-2-122086
SHT/PG. 1 REV. 2
CR NO. 1069-R1
DISCIPLINE: ELECTRICAL

PREPARED BY: [signature] DATE: 11/19/93
DISCIPLINE ENGINEER: [signature] DATE: 12/9/93

DCN - 0149 | REV. 0 | PAGE 15

9513537.0072

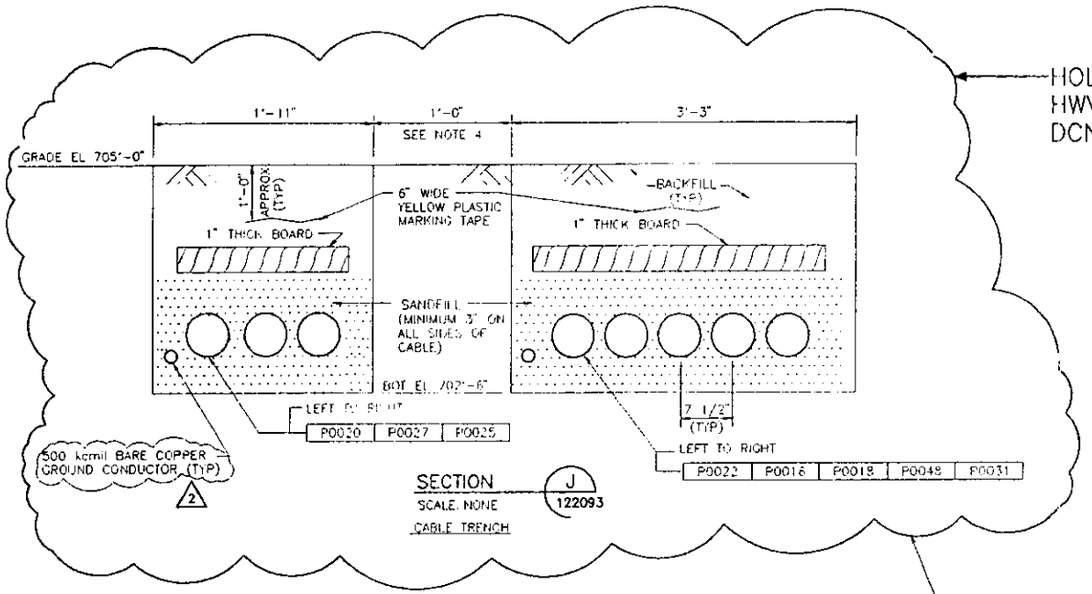




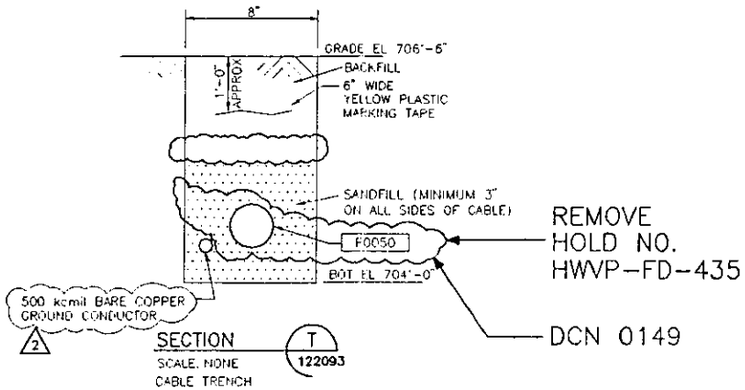
THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: A160 UNDERGROUND RECONFIGURATION		BASE DOC. NO. H-2-122086 SHT/PG 1 REV. 2 CR NO. 1069-R1 DISCIPLINE: ELECTRICAL
PREPARED BY:	DATE: 11/19/93	DCN - 0149 / REV. 0 / PAGE 16
DISCIPLINE ENGINEER:	DATE: 12/9/93	

9513557.0073



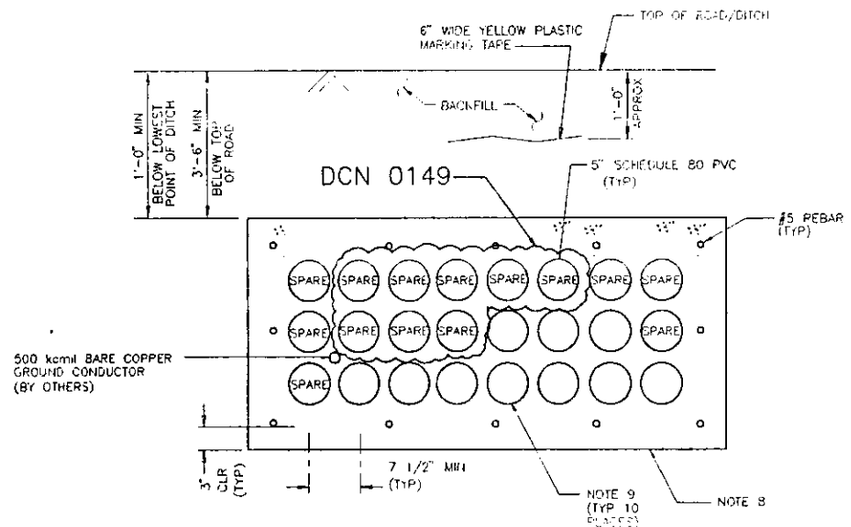
HOLD NO
HWVP-FD-437
DCN-0149



REMOVE
HOLD NO.
HWVP-FD-435

DCN 0149

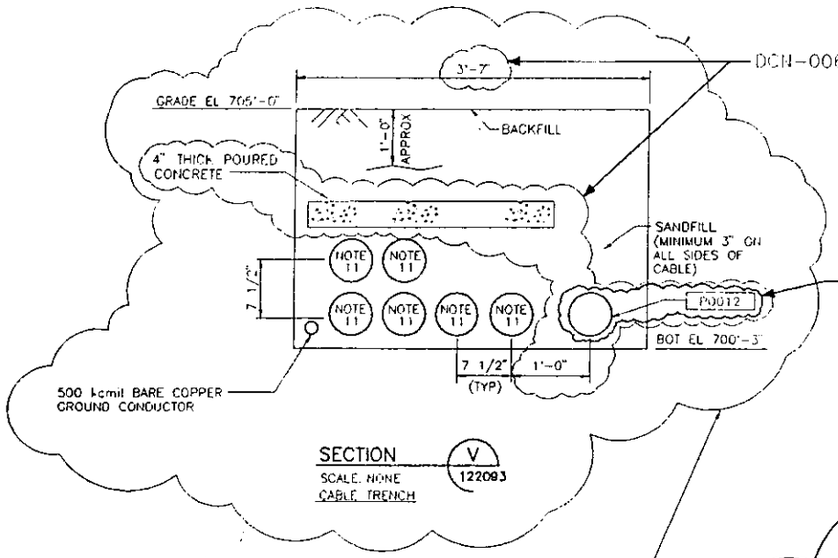
THESE SECTIONS WILL BE DELETED
WHEN THE BASE DOCUMENT IS REVISED



THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

FLUOR DANIEL	U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT	DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: A160 UNDERGROUND RECONFIGURATION		BASE DOC. NO H-2-122086 SHT/PG 1 REV. 2 CR NO. 1069-R1 DISCIPLINE ELECTRICAL
PREPARED BY: [signature]	DATE: 11/19/93	DCN - 0149 / REV 0 / PAGE 17
DISCIPLINE ENGINEER: [signature]	DATE: 12/9/94	

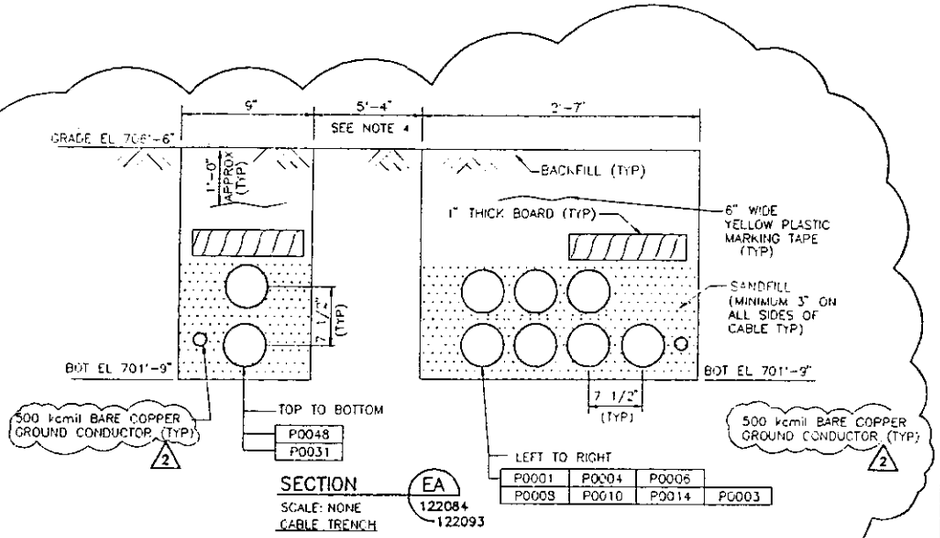
9513337.0074

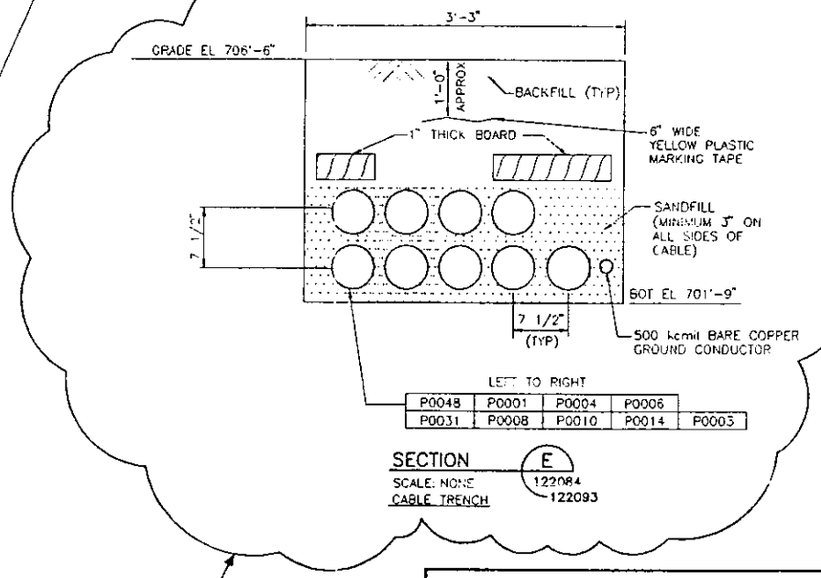


DCN-0064 REV 1

HOLD NO.
HWVP-FD-437
DCN-0149

THIS SECTION WILL BE DELETED
WHEN THE BASE DOCUMENT IS REVISED





THIS SECTION DELETED

SECTION U
SCALE: NONE
122093

DCN-0149

THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

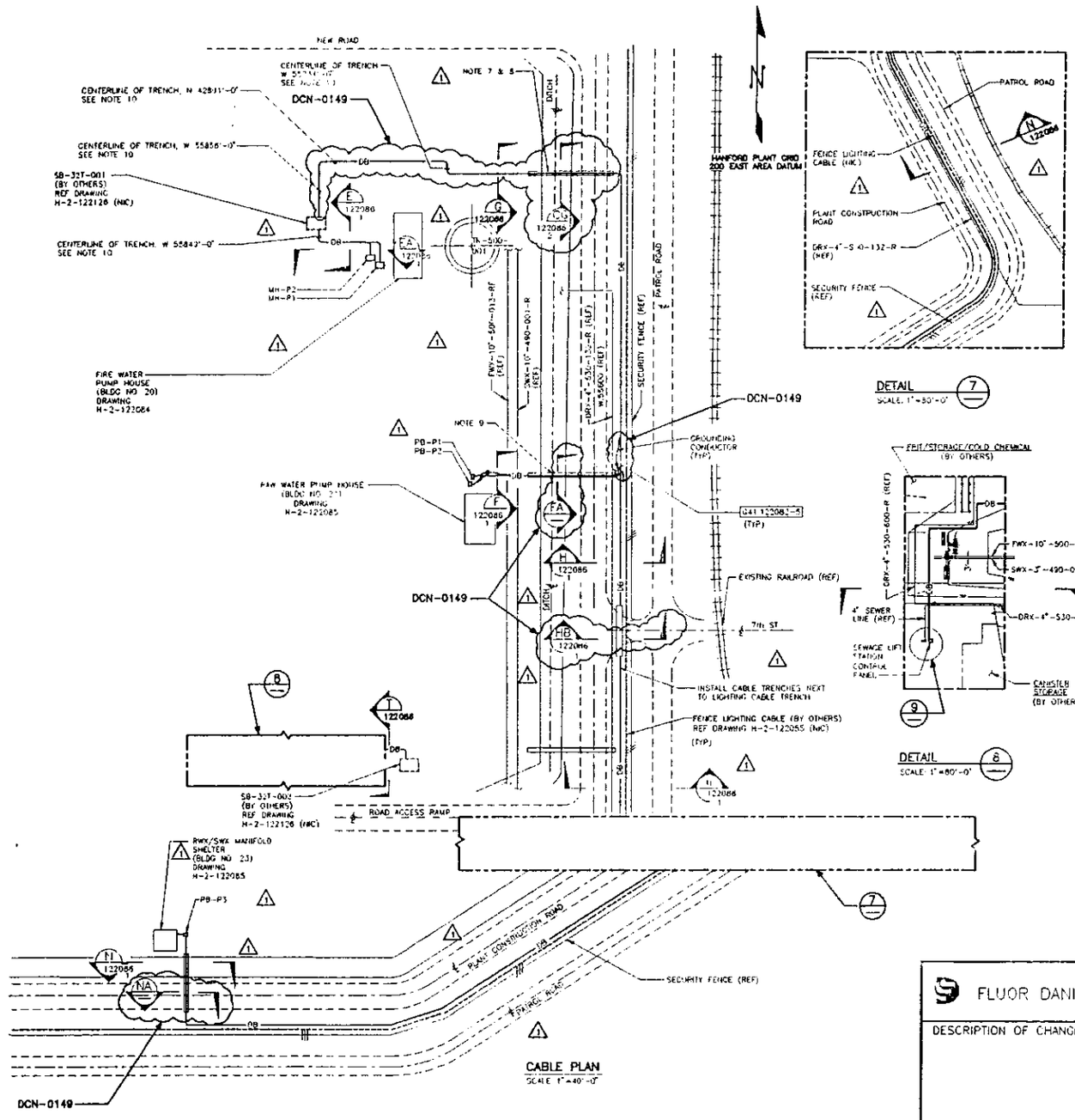
NOTE:

11 CABLES SHALL BE INSTALLED BY OTHERS.

FLUOR DANIEL — U.S. DEPARTMENT OF ENERGY, HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE
DESCRIPTION OF CHANGE: A160 UNDERGROUND RECONFIGURATION		BASE DOC. NO. H-2-122086 SHT/PG. 1 REV. 2 CR NO. 1069R1 DISCIPLINE: ELECTRICAL
PREPARED BY: H. Spruengli — DATE: 11/29/93 DISCIPLINE ENGINEER: [illegible] — DATE: 12/9/93		DCN – 0149 / REV. 0 / PAGE 18

AGAD HS

9513337.0075



NOTES:

1. FOR STANDARD DRAFTING SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DRAWING H-2-122081 SH 1 AND SH 2.
2. ALL GROUNDING CONDUCTORS IN THE TRENCH TO BE #500 kcmil BARE COPPER GROUND CONDUCTOR.
3. CONDUIT SLEEVES FOR SEWAGE LIFT STATION TO BE RIGID STEEL GALVANIZED ENCASED IN CONCRETE CAP UNDERGROUND CONDUIT SLEEVE FOR ALARM TO BE CONTINUED BY OTHERS.)
4. TERMINATE POWER AND GROUND CONDUCTORS AT TERMINALS L1, L2, L3 & GROUND LUG IN THE SEWAGE LIFT STATION CONTROL PANEL

THIS DCN SUPERCEDES DCN-0047, 0064, 0072, 0073, 0133 & 0139

FLUOR DANIEL | U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT | DESIGN CHANGE NOTICE

DESCRIPTION OF CHANGE
A-160 UNDERGROUND RECONFIGURATION

BASE DOC NO H-2-122093
SHT/PG. 1 REV. 2
CR NO. 1069-R1
DISCIPLINE: ELECTRICAL

PREPARED BY: [signature] DATE: 11/29/93
DISCIPLINE ENGINEER: [signature] DATE: 12/9/93

DCN - 0149 | REV. 0 | PAGE 19

Electrical Cable Schedule for Package Number A160

REV NO.	BLDG NO.	CABLE NO.	FROM		TO		CABLE DATA				ONE LINE DIAGRAM NO. M-2-	VIA
			EQUIPMENT NUMBER OR LOCATION	CONNECTION DRAWING	EQUIPMENT NUMBER OR LOCATION	CONNECTION DRAWING	SYS VOLT	NO. COND	SIZE	CABLE CODE		
2	23	P0029B	TB-23-P1	H-2-122100-8	FUSED DISC SW	H-2-122100-8	480Y/277	1	12	AL	H-2-122083-2	P0112
2	23	P0029C	TB-23-P1	H-2-122100-8	FUSED DISC SW	H-2-122100-8	480Y/277	1	12	AL	H-2-122083-2	P0112
2	23	P0029G	TB-23-P1	H-2-122100-8	FUSED DISC SW	H-2-122100-8	480Y/277	1	12	AL	H-2-122083-2	P0112
2	23	P0029N	TB-23-P1	H-2-122100-8	FUSED DISC SW	H-2-122100-8	480Y/277	1	12	AL	H-2-122083-2	P0112
2	23	P0030A	FUSED DISC SW	H-2-122100-8	UH-055AA-005		480Y/277	1	12	AL	H-2-122083-2	P0112A,P0112B
2	23	P0030B	FUSED DISC SW	H-2-122100-8	UH-055AA-005	REMOVE HOLD NO. HWVP_FD-435	480Y/277	1	12	AL	H-2-122083-2	P0112A,P0112B
2	23	P0030C	FUSED DISC SW	H-2-122100-8	UH-055AA-005		480Y/277	1	12	AL	H-2-122083-2	P0112A,P0112B
2	23	P0030G	FUSED DISC SW	H-2-122100-8	UH-055AA-005		480Y/277	1	12	AL	H-2-122083-2	P0112A,P0112B
2	23	P0030N	FUSED DISC SW	H-2-122100-8	UH-055AA-005		480Y/277	1	12	AL	H-2-122083-2	P0112A,P0112B
2	20	P0031	SB-32T-001	DCN-0149	LP-500-002B		480V ac	3	500	CY	H-2-122083-2	DB,MH-P2,P0028
2	20	P0032A	LP-500-002B		PX-500-002B		480V ac	1	500	AY	H-2-122083-2	P0029,P0029A
2	20	P0032B	LP-500-002B		PX-500-002B		480V ac	1	500	AY	H-2-122083-2	P0029,P0029A
2	20	P0032C	LP-500-002B		PX-500-002B		480V ac	1	500	AY	H-2-122083-2	P0029,P0029A
2	20	P0032G	LP-500-002B		PX-500-002B		480V ac	1	2	AQ	H-2-122083-2	P0029,P0029A
2	20	P0036A	XT-32A-801		DA-32A-851		208Y/120	1	8	AN	H-2-122083-1	P0110
2	20	P0036B	XT-32A-801		DA-32A-851		208Y/120	1	8	AN	H-2-122083-1	P0110

* Coaxial Cable Furnished By Vendor

DCN-0149 REV 0 PAGE 30

KK

9513337.0076

Electrical Cable Schedule for Package Number A160

REV NO.	BLDG NO.	CABLE NO.	FROM		TO		CABLE DATA				ONE LINE DIAGRAM NO. M-2-	VIA
			EQUIPMENT NUMBER OR LOCATION	CONNECTION DRAWING	EQUIPMENT NUMBER OR LOCATION	CONNECTION DRAWING	SYS VOLT	NO. COND	SIZE	CABLE CODE		
2	20	P0044A	SPLICE BOX @ PX-500-005B		CAPACITOR		480V ac	1	10	AM	M-2-122083-1	P0020A
2	20	P0044B	SPLICE BOX @ PX-500-005B		CAPACITOR		480V ac	1	10	AM	M-2-122083-1	P0020A
2	20	P0044C	SPLICE BOX @ PX-500-005B		CAPACITOR		480V ac	1	10	AM	M-2-122083-1	P0020A
2	21	P0045A	SPLICE BOX @ PX-500-001B	REMOVE HOLD NO. HWVP-FD-435	CAPACITOR		480V ac	1	8	AN	M-2-122083	P0117
2	21	P0045B	SPLICE BOX @ PX-500-001B		CAPACITOR		480V ac	1	8	AN	M-2-122083	P0117
2	21	P0045C	SPLICE BOX @ PX-500-001B		CAPACITOR		480V ac	1	8	AN	M-2-122083	P0117
2	20	P0046A	LP-500-002A		PX-500-002A		480V ac	1	4/0	AV	M-2-122083-1	P0016,P0016A
2	20	P0046B	LP-500-002A		PX-500-002A		480V ac	1	4/0	AV	M-2-122083-1	P0016,P0016A
2	20	P0046C	LP-500-002A		PX-500-002A		480V ac	1	4/0	AV	M-2-122083-1	P0016,P0016A
2	20	P0048	SB-32T-001		LP-500-002B		480V ac	3	500	CY	M-2-122083-2	DB,MH-P2,P0045
2	20	P0049A	LP-500-002B		PX-500-002B		480V ac	1	500	AY	M-2-122083-2	P0029,P0029A
2	20	P0049B	LP-500-002B	DCN-0149	PX-500-002B		480V ac	1	500	AY	M-2-122083-2	P0029,P0029A
2	20	P0049C	LP-500-002B		PX-500-002B		480V ac	1	500	AY	M-2-122083-2	P0029,P0029A
2A	NA	P0050	SB-32T-002		LP 510-001		480V ac	3	6	CO	M-2-122083	DB,P0121
2	21	P0051A	DA-32A-802		UH-5AA-001		480V ac	1	10	AM		P0105,P0105C,P01050
2	21	P0051B	DA-32A-802		UH-5AA-001		480V ac	1	10	AM		P0105,P0105C,P01050

* Coaxial Cable Furnished By Vendor

DCN-0149 REV 0 PAGE 31

KK

9513277.1077

Electrical Raceway Schedule for Package Number A160

REV NO.	BLDG NO.	RACEWY NO.	FOR	FROM		TO		RACEWAY DATA			INCLUDED CABLE NOs.
				EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	SIZE	TYPE	MATERIAL OF CONSTR	
2	NA	A0001	ALARM	LP-510-001	H-2-122093	STUB-OUT	H-2-122093	2"	COND	RSG	
2	23	A0002	ALARM	TB-23-A/B1	H-2-122085	PB-P3	H-2-122085	2"	COND	PVC	BY OTHERS (TBD HOLD #376)
2	21	A0003	ALARM	TB-21-A/B1	H-2-122085	PB-C1	H-2-122085	2"	COND	PVC	BY OTHERS
2	20	A0004	ALARM	TB-20-A/B1	H-2-122084	MH-P3	H-2-122084	2"	COND	PVC	BY OTHERS
2A	20	A0005	SPARE	MH-P3	H-2-122084	BLDG 20	H-2-122084	4"	COND	PVC	DCN-0149
2A	20	A0006	SPARE	MH-P3	H-2-122084	BLDG 20	H-2-122084	4"	COND	PVC	DCN-0149
2	20	A0800	ALARM	TB-20-AB1	H-2-122087-1	A0800A	H-2-122087-1	1-1/2"	COND	IMC	A0800,A0801
2	20	A0800A	ALARM	A0800	H-2-122087-1	LSL/H-DRX-501	H-2-122087-1	1-1/2"	COND	IMC	A0800,A0801
2	20	A0800B	ALARM	LSL-DRX-501	H-2-122087-1	A0800C	H-2-122087-1	1/2"	COND	FLEX	A0803
2	20	A0800C	ALARM	A0800B	H-2-122087-1	A0800D	H-2-122087-1	3/4"	COND	IMC	A0803
2	20	A0800D	ALARM	A0800C	H-2-122087-1	LE-DRX-501	H-2-122087-1	1/2"	COND	FLEX	A0803
2	20	A0801	ALARM	LP-500-007	H-2-122087-1	A0801A,A0801C	H-2-122087-1	1"	COND	IMC	A0806,A0807
2	20	A0801A	ALARM	A0801,A0801C	H-2-122087-1	A0801B	H-2-122087-1	3/4"	COND	FLEX	A0806
2	20	A0801B	ALARM	A0801A	H-2-122087-1	TSH-FWX-368	H-2-122087-1	1/2"	COND	FLEX	A0806
2	20	A0801C	ALARM	A0801,A0801A	H-2-122087-1	A0801D	H-2-122087-1	3/4"	COND	IMC	A0807
2	20	A0801D	ALARM	A0801C	H-2-122087-1	TSLL-FWX-005	H-2-122087-1	1/2"	COND	FLEX	A0807
2	20	A0802	ALARM	TB-20-A/B1	H-2-122087-1	A0802A,A0802C	H-2-122087-1	1"	COND	IMC	A0804,A0805

DCN-0149 REV 0
PAGE 20

9214367.0178

Electrical Raceway Schedule for Package Number A160

REV NO.	BLDG NO.	RACEWY NO.	FOR	FROM		TO		RACEWAY DATA			INCLUDED CABLE NOs.
				EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	SIZE	TYPE	MATERIAL OF CONSTR	
2	20	C0033	PHONE	MH-C1	H-2-122084	BLDG 20	H-2-122084	2"	COND	PVC	
2	21	C0039	SPARE	PB-C1	H-2-122085	BLDG 21	H-2-122085	2"	COND	PVC	
2	21	C0040	LAN	PB-C1	H-2-122085	BLDG 21	H-2-122085	2"	COND	PVC	
2	21	C0042	PHONE	PB-C1	H-2-122085	BLDG 21	H-2-122085	2"	COND	PVC	
2	21	C0043	PA	PB-C1	H-2-122085	BLDG 21	H-2-122085	2"	COND	PVC	
2	23	C0044	PHONE	PB-P3	H-2-122085	BLDG 23	H-2-122085	2"	COND	PVC	(TBD HOLD #376)
2A	20	C0051	SPARE	MH-C1	H-2-122084	BLDG 20	H-2-122084	4"	COND	PVC	DCN-0149
2A	20	C0052	SPARE	MH-C1	H-2-122084	BLDG 20	H-2-122084	4"	COND	PVC	DCN-0149
2A	20	C0053	SPARE	MH-C1	H-2-122084	BLDG 20	H-2-122084	4"	COND	PVC	DCN-0149
2A	20	C0054	SPARE	MH-C1	H-2-122084	BLDG 20	H-2-122084	4"	COND	PVC	DCN-0149
2	20	P0001	POWER	MH-P1	H-2-122084	DA-32A-801	H-2-122084	3"	COND	PVC	P0001
2	20	P0002	POWER	MH-P1	H-2-122084	PX-500-003-MC	H-2-122084	2"	COND	PVC	P0004
2	20	P0003	POWER	PX-500-003-MC	H-2-122084	P0003A	H-2-122084	2"	COND	PVC	P0005A,P0005B,P0005C,P0005G
2	20	P0003A	POWER	P0003	H-2-122084	PX-500-003	H-2-122088	3/4"	COND	INC	P0005A,P0005B,P0005C,P0005G
2	20	P0004	SPARE	MH-P2	H-2-122084	BLDG 20	H-2-122084	2"	COND	PVC	
2	20	P0005	POWER	MH-P1	H-2-122084	LP-500-004	H-2-122084	2"	COND	PVC	P0006

DCN-0149 Rev 0
PAGE 21

9512227.0079

Electrical Raceway Schedule for Package Number A160

REV NO.	BLDG NO.	RACEWY NO.	FOR	FROM		TO		RACEWAY DATA			INCLUDED CABLE NOs.
				EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	SIZE	TYPE	MATERIAL OF CONSTR	
2	20	P0006	POWER	LP-500-004	H-2-122084	P0006A	H-2-122084	2"	COND	PVC	P0007A,P0007B,P0007C,P0007G
2	20	P0006A	POWER	P0006	H-2-122084	PX-500-004	H-2-122088	1"	COND	FLEX	P0007A,P0007B,P0007C,P0007G
2	20	P0007	SPARE	MH-P1	H-2-122084	BLDG 20	H-2-122084	2"	COND	PVC	
2	20	P0008	POWER	MH-P1	H-2-122084	LP-500-006	H-2-122084	2"	COND	PVC	P0008
2	20	P0009	POWER	MH-P1	H-2-122084	PX-530-015-MC	H-2-122084	2"	COND	PVC	P0010
2	20	P0010	POWER	PX-530-015-MC	H-2-122088-1	P0010A	H-2-122088-1	3/4"	COND	IMC	P0011A,P0011B,P0011C,P0011G
2	20	P0010A	POWER	P0010	H-2-122088-1	PX-530-015	H-2-122088-1	3/4"	COND	FLEX	P0011A,P0011B,P0011C,P0011G
2	20	P0011	SPARE	MH-P1	H-2-122084	BLDG 20	H-2-122084	2"	COND	PVC	REMOVE HOLD NO. HWVP-FO-135
2	21	P0012	POWER	PB-P1	H-2-122085	LP-500-001A	H-2-122085	3"	COND	PVC	P0012
2	21	P0013	POWER	LP-500-001A	H-2-122085	SPLICE BOX @ PX-500-001A	H-2-122085	3"	COND	PVC	P0013A,P0013B,P0013C,P0013G
2	21	P0013A	POWER	SPLICE BOX	H-2-122089	CAPACITOR	H-2-122089	3/4"	COND	IMC	P0039A,P0039B,P0039C
2	21	P0013B	POWER	SPLICE BOX	H-2-122089	P0013C	H-2-122089	3"	COND	IMC	P0013A,P0013B,P0013C,P0013G
2	21	P0013C	POWER	P0013B	H-2-122089	PX-500-001A	H-2-122089	3"	COND	FLEX	P0013A,P0013B,P0013C,P0013G
2	20	P0014	SPARE	MH-P1	H-2-122084	BLDG 20	H-2-122084	2"	COND	PVC	
2	20	P0015	POWER	MH-P1	H-2-122084	LP-500-002A	H-2-122084	4"	COND	PVC	P0014
2	20	P0016	POWER	LP-500-002A	H-2-122084	BOX @ PX-500-002A	H-2-122084	5"	COND	PVC	P0015A,P0015B,P0015C,P0015G,P0046A, P0046B,P0046C

DCN-0149 REV 0 PAGE 22 KM.

9514327.0080

Electrical Raceway Schedule for Package Number A160

REV NO.	BLDG NO.	RACEWY NO.	FOR	FROM		TO		RACEWAY DATA			INCLUDED CABLE NOs.
				EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	SIZE	TYPE	MATERIAL OF CONSTR	
2	20	P0016A	POWER	BOX @ PX-500-002A	H-2-122088-1	PX-500-002A	H-2-122088-1	4"	COND	FLEX	P0015A,P0015B,P0015C,P0015G,P0046A, P0046B,P0046C
2	20	P0017	POWER	MH-P1	H-2-122084	LP-500-005A	H-2-122084	2"	COND	PVC	BY OTHERS
2	20	P0018	POWER	LP-500-005A	H-2-122084	SPLICE BOX @ PX-500-005A	H-2-122084	2"	COND	PVC	P0041A,P0041B,P0041C,P0041G
2	20	P0018A	POWER	SPLICE BOX	H-2-122088-1	CAPACITOR	H-2-122088-1	3/4"	COND	IMC	P0042A,P0042B,P0042C
2	20	P0018B	POWER	SPLICE BOX	H-2-122088-1	P0018C	H-2-122088-1	1-1/2"	COND	IMC	P0041A,P0041B,P0041C,P0041G
2	20	P0018C	POWER	P0018B	H-2-122088-1	PX-500-005A	H-2-122088-1	1-1/2"	COND	FLEX	P0041A,P0041B,P0041C,P0041G
2	20	P0019	POWER	MH-P2	H-2-122084	LP-500-005B	H-2-122084	2"	COND	PVC	BY OTHERS
2	20	P0020	POWER	LP-500-005B	H-2-122084	SPLICE BOX @ PX-500-005B	H-2-122084	2"	COND	PVC	P0043A,P0043B,P0043C,P0043G
2	20	P0020A	POWER	SPLICE BOX	H-2-122088-1	CAPACITOR	H-2-122088-1	3/4"	COND	IMC	P0044A,P0044B,P0044C
2	20	P0020B	POWER	SPLICE BOX	H-2-122088-1	P0020C	H-2-122088-1	1-1/2"	COND	IMC	P0043A,P0043B,P0043C,P0043G
2	20	P0020C	POWER	P0020B	H-2-122088-1	PX-500-005B	H-2-122088-1	1-1/2"	COND	FLEX	P0043A,P0043B,P0043C,P0043G
2	21	P0021	POWER	PB-P2	H-2-122085	LP-500-001B	H-2-122085	3"	COND	PVC	P0016
2	21	P0022	POWER	LP-500-001B	H-2-122085	SPLICE BOX @ PX-500-001B	H-2-122085	3"	COND	PVC	P0017A,P0017B,P0017C,P0017G
2	21	P0022A	POWER	SPLICE BOX	H-2-122089	CAPACITOR	H-2-122089	3/4"	COND	IMC	P0045A,P0045B,P0045C
2	21	P0022B	POWER	SPLICE BOX	H-2-122089	P0022C	H-2-122089	3"	COND	IMC	P0017A,P0017B,P0017C,P0017G

9513437.0081

REMOVE HOLD NO. HNVP-FO-435

DCN-0149 REV 0 PAGE 23

Remove Hold No. HWVP-FD-435

Electrical Raceway Schedule for Package Number A160

REV NO.	BLDG NO.	RACEWY NO.	FOR	FROM		TO		RACEWAY DATA			INCLUDED CABLE NOs.
				EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	SIZE	TYPE	MATERIAL OF CONSTR	
2	21	P0022C	POWER	P0022B	H-2-122089	PX-500-001B	H-2-122089	3"	COND	FLEX	P0017A,P0017B,P0017C,P0017G
2	21	P0023	POWER	PB-P2	H-2-122085	PX-530-013A-MC	H-2-122085	2"	COND	PVC	P0018
2	21	P0023A	POWER	PX-530-013A-MC	H-2-122089	P0023B	H-2-122089	3/4"	COND	IMC	P0019A,P0019B,P0019C,P0019G
2	21	P0023B	POWER	P0023A	H-2-122089	PX-530-013A	H-2-122089	3/4"	COND	FLEX	P0019A,P0019B,P0019C,P0019G
2	21	P0024	POWER	PB-P1	H-2-122085	PX-530-013B-MC	H-2-122085	2"	COND	PVC	P0020
2	21	P0024A	POWER	PX-530-013B-MC	H-2-122089	P0024B	H-2-122089	3/4"	COND	IMC	P0021A,P0021B,P0021C,P0021G
2	21	P0024B	POWER	P0024A	H-2-122089	PX-530-013B	H-2-122089	3/4"	COND	FLEX	P0021A,P0021B,P0021C,P0021G
2	21	P0025	POWER	PB-P2	H-2-122085	DA-32A-802	H-2-122085	3"	COND	PVC	P0022
2	23	P0026	POWER	PB-P3	H-2-122085	PX-530-016-MC	H-2-122085	2"	COND	PVC	P0025 (TBD HOLD #376)
2	23	P0026A	POWER	PX-500-016-MC	H-2-122089	P0026B	H-2-122089	3/4"	COND	IMC	P0026A,P0026B,P0026C,P0026G
2	23	P0026B	POWER	P0026A	H-2-122089	PX-530-016	H-2-122089	3/4"	COND	FLEX	P0026A,P0026B,P0026C,P0026G
2	23	P0027	POWER	PB-P3	H-2-122085	TB-23-B1	H-2-122094	2"	COND	PVC	P0027 (TBD HOLD #376)
2	20	P0028	POWER	MH-P2	H-2-122084	LP-500-002B	H-2-122084	4"	COND	PVC	P0031
2	20	P0029	POWER	LP-500-002B	H-2-122084	BOX @ PX-500-002B	H-2-122084	5"	COND	PVC	P0032A,P0032B,P0032C,P0032G,P0049A, P0049B,P0049C
2	20	P0029A	POWER	BOX @ PX-500-002B	H-2-122088-1	PX-500-002B	H-2-122088-1	4"	COND	FLEX	P0032A,P0032B,P0032C,P0032G,P0049A, P0049B,P0049C
2	21	P0036	SPARE	PB-P1	H-2-122085	BLDG 21	H-2-122085	2"	COND	PVC	

DCN-0149 Rev 0
PAGE 24

9512337.0082

Electrical Raceway Schedule for Package Number A160

REV NO.	BLDG NO.	RACEWY NO.	FOR	FROM		TO		RACEWAY DATA			INCLUDED CABLE NOs.
				EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	SIZE	TYPE	MATERIAL OF CONSTR	
2	21	P0037	SPARE	PB-P2	H-2-122085	BLDG 21	H-2-122085	2"	COND	PVC	
2	23	P0044	SPARE	PB-P3	H-2-122085	BLDG 23	H-2-122085	2"	COND	PVC	(TBD HOLD #376)
2	20	P0045	POWER	MH-P2	H-2-122084	LP-500-002B	H-2-122084	4"	COND	PVC	P0048
2	20	P0046	POWER	MH-P1	H-2-122084	LP-500-002A	H-2-122084	4"	COND	PVC	P0003
2A	20	P0047	SPARE	MH-P2	H-2-122084	BLDG 20	H-2-122084	5"	COND	PVC	DCN-0149
2A	20	P0048	SPARE	MH-P2	H-2-122084	BLDG 20	H-2-122084	5"	COND	PVC	DCN-0149
2A	20	P0049	SPARE	MH-P1	H-2-122084	BLDG 20	H-2-122084	5"	COND	PVC	DCN-0149
2A	20	P0050	SPARE	MH-P1	H-2-122084	BLDG 20	H-2-122084	5"	COND	PVC	DCN-0149
2	21	P0101	POWER	DA-32A-802	H-2-122094	XT-32A-802	H-2-122094	3/4"	COND	IMC	P0023A,P0023B,P0023C
2	21	P0102	POWER	XT-32A-802	H-2-122094	DA-32A-853	H-2-122094	1"	COND	IMC	P0024A,P0024B,P0024C,P0024N,P0024G
2	21	P0103	POWER	DISC SWITCH BL-05AB-003	H-2-122094	P0103A/B	H-2-122089	3/4"	COND	IMC	P0054A,P0054B,P0054C,P0054G
2	21	P0103A	POWER	P0103/B	H-2-122089	TIC-05AB-003	H-2-122089	3/4"	COND	IMC	P0054B,P0054C,P0054G,P0055B,P0055C
2	21	P0103B	POWER	P0103/A	H-2-122089	P0103C	H-2-122089	3/4"	COND	IMC	P0054A,P0055B,P0055C,P0055G
2	21	P0103C	POWER	P0103B	H-2-122089	BL-05AB-003	H-2-122089	3/4"	COND	FLEX	P0054A,P0055B,P0055C,P0055G
2	21	P0104	POWER	DISC SWITCH BL-05AB-002	H-2-122094	P0104A/B	H-2-122089	3/4"	COND	IMC	P0069A,P0069B,P0069C,P0069G
2	21	P0104A	POWER	P0104/B	H-2-122089	TIC-05AB-002	H-2-122089	3/4"	COND	IMC	P0069B,P0069C,P0069G,P0070B,P0070C
2	21	P0104B	POWER	P0104/A	H-2-122089	P0104C	H-2-122089	3/4"	COND	IMC	P0069A,P0070B,P0070C,P0070G

9513337.0083

DCN-0149 Rev 0
PAGE 25

REMOVE HOLD NO. HWVP-FD-435

Electrical Raceway Schedule for Package Number A160

REV NO.	BLDG NO.	RACEWY NO.	FOR	FROM		TO		RACEWAY DATA			INCLUDED CABLE NOs.
				EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	EQUIPMENT NUMBER OR LOCATION	PLAN DRAWING	SIZE	TYPE	MATERIAL OF CONSTR	
2	23	P0121	POWER	LS-510-001	H-2-122093	STUB-OUT	H-2-122093	2"	COND	RSG	P0050
2	23	P0122	POWER	LP-500-008A	H-2-122087-2	P0122A/B	H-2-122087-2	2"	COND	IMC	P0063,P0064,P0065,CKT.A6
2	23	P0122A	POWER	PDSH-003	H-2-122087-2	P0122/B	H-2-122087-2	1"	COND	FLEX	P0064
2	23	P0122B	POWER	P0122/A	H-2-122087-2	P0122C	H-2-122087-2	2"	COND	IMC	P0063,P0065,CKT.A6
2	23	P0122C	POWER	P0122B	H-2-122087-2	P0122D/F	H-2-122087-2	1-1/2"	COND	IMC	P0063,P0065
2	23	P0122D	POWER	P0122C/F	H-2-122087-2	P0122E	H-2-122087-2	3/4"	COND	IMC	P0063
2	23	P0122E	POWER	P0122D	H-2-122087-2	STRAINER MOTOR	H-2-122087-2	3/4"	COND	FLEX	P0063
2	23	P0122F	POWER	P0122D/C	H-2-122087-2	P0122G	H-2-122087-2	3/4"	COND	IMC	P0065
2	23	P0122G	POWER	P0122F	H-2-122087-2	PCV-DRX-002B	H-2-122087-2	3/4"	COND	FLEX	P0065
2	21	P0123	POWER	LP-500-008A	H-2-122087-2	P0123A/B	H-2-122087-2	2"	COND	IMC	P0066,P0067,P0068,CKT.B8
2	21	P0123A	POWER	PDSH-040	H-2-122087-2	P0123/B	H-2-122087-2	1"	COND	FLEX	P0067
2	21	P0123B	POWER	P0122/A	H-2-122087-2	P0122C	H-2-122087-2	2"	COND	IMC	P0066,P0068,CKT.B8
2	21	P0123C	POWER	P0123B	H-2-122087-2	P0123D/F	H-2-122087-2	1-1/2"	COND	IMC	P0066,P0068
2	21	P0123D	POWER	P0123C/F	H-2-122087-2	P0123E	H-2-122087-2	3/4"	COND	IMC	P0066
2	21	P0123E	POWER	P0123D	H-2-122087-2	STRAINER MOTOR	H-2-122087-2	3/4"	COND	FLEX	P0066
2	21	P0123F	POWER	P0123D/C	H-2-122087-2	P0123G	H-2-122087-2	3/4"	COND	IMC	P0068

9513367.0084

DCN-0149 REV 0
PAGE 26

Electrical Cable Schedule for Package Number A160

REV NO.	BLDG NO.	CABLE NO.	FROM		TO		CABLE DATA				ONE LINE DIAGRAM NO. N-2-	VIA
			EQUIPMENT NUMBER OR LOCATION	CONNECTION DRAWING	EQUIPMENT NUMBER OR LOCATION	CONNECTION DRAWING	SYS VOLT	NO. COND	SIZE	CABLE CODE		
2	20	P0010	SB-32T-001		PX-530-015-MC		480V ac	3	12	CL	N-2-122083-1	DB,MN-P1,P0009
2	20	P0011A	PX-530-015-MC	HOLD NO. HWVP-FD-DCN-0149	PX-530-015		480V ac	1	12	AL	N-2-122083-1	P0010,P0010A
2	20	P0011B	PX-530-015-MC		PX-530-015		480V ac	1	12	AL	N-2-122083-1	P0010,P0010A
2	20	P0011C	PX-530-015-MC		PX-530-015		480V ac	1	12	AL	N-2-122083-1	P0010,P0010A
2	20	P0011G	PX-530-015-MC		PX-530-015		480V ac	1	12	AL	N-2-122083-1	P0010,P0010A
2	21	P0012	SB-32T-001		LP-500-001A		480V ac	3	350	CX	N-2-122083-1	DB,PB-P1,P0012
2	21	P0013A	LP-500-001A		PX-500-001A		480V ac	1	250	AW	N-2-122083-1	P0013,P0013A
2	21	P0013B	LP-500-001A		PX-500-001A		480V ac	1	250	AW	N-2-122083-1	P0013,P0013A
2	21	P0013C	LP-500-001A		PX-500-001A		480V ac	1	250	AW	N-2-122083-1	P0013,P0013A
2	21	P0013G	LP-500-001A		PX-500-001A		480V ac	1	2	AQ	N-2-122083-1	P0013,P0013A
2	20	P0014	SB-32T-001		LP-500-002A		480V ac	3	4/0	CV	N-2-122083-1	DB,MN-P1,P0015
2	20	P0015A	LP-500-002A		PX-500-002A	REMOVE HOLD NO. HWVP-FD-435	480V ac	1	4/0	AV	N-2-122083-1	P0016,P0016A
2	20	P0015B	LP-500-002A		PX-500-002A		480V ac	1	4/0	AV	N-2-122083-1	P0016,P0016A
2	20	P0015C	LP-500-002A	DCN-0149	PX-500-002A		480V ac	1	4/0	AV	N-2-122083-1	P0016,P0016A
2	20	P0015G	LP-500-002A		PX-500-002A		480V ac	1	2	AQ	N-2-122083-1	P0016,P0016A
2	21	P0016	SB-32T-001		LP-500-001B		480V ac	3	250	CW	N-2-122083-2	DB,PB-P2,P0021
2	21	P0017A	LP-500-001B		PX-500-001B		480V ac	1	250	AW	N-2-122083-2	P0022,P0022A

* Coaxial Cable Furnished By Vendor

DCN-0149 REV 0
PAGE 27

9513337.0085

REMOVE HOLD NO. HWVP-FD-435

Electrical Cable Schedule for Package Number A160

REV NO.	BLDG NO.	CABLE NO.	FROM		TO		CABLE DATA				ONE LINE DIAGRAM NO. M-2-	VIA
			EQUIPMENT NUMBER OR LOCATION	CONNECTION DRAWING	EQUIPMENT NUMBER OR LOCATION	CONNECTION DRAWING	SYS VOLT	NO. COND	SIZE	CABLE CODE		
2	21	P0017B	LP-500-001B		PX-500-001B		480V ac	1	250	AW	M-2-122083-2	P0022,P0022A
2	21	P0017C	LP-500-001B		PX-500-001B		480V ac	1	250	AW	M-2-122083-2	P0022,P0022A
2	21	P0017G	LP-500-001B		PX-500-001B		480V ac	1	2	AQ	M-2-122083-2	P0022,P0022A
2	21	P0018	SB-32T-001		PX-530-013A-MC		480V ac	3	10	CM	M-2-122083-2	DB,PB-P2,P0023
2	21	P0019A	PX-530-013A-MC		PX-530-013A		480V ac	1	10	AM	M-2-122083-2	P0023A,P0023B
2	21	P0019B	PX-530-013A-MC		PX-530-013A		480V ac	1	10	AM	M-2-122083-2	P0023A,P0023B
2	21	P0019C	PX-530-013A-MC		PX-530-013A		480V ac	1	10	AM	M-2-122083-2	P0023A,P0023B
2	21	P0019G	PX-530-013A-MC		PX-530-013A		480V ac	1	10	AM	M-2-122083-2	P0023A,P0023B
2	21	P0020	SB-32T-001	DCN-0149	PX-530-013B-MC		480V ac	3	10	CM	M-2-122083-2	DB,PB-P1,P0024
2	21	P0021A	PX-530-013B-MC		PX-530-013B		480V ac	1	10	AM	M-2-122083-2	P0024A,P0024B
2	21	P0021B	PX-530-013B-MC		PX-530-013B		480V ac	1	10	AM	M-2-122083-2	P0024A,P0024B
2	21	P0021C	PX-530-013B-MC		PX-530-013B		480V ac	1	10	AM	M-2-122083-2	P0024A,P0024B
2	21	P0021G	PX-530-013B-MC		PX-530-013B		480V ac	1	10	AM	M-2-122083-2	P0024A,P0024B
2	21	P0022	SB-32T-001		DA-32A-802		480Y/277	4	4/0	EV	M-2-122083-2	DB,PB-P2,P0025
2	21	P0023A	DA-32A-802		XT-32A-802		480V ac	1	10	AM	M-2-122083-2	P0101
2	21	P0023B	DA-32A-802		XT-32A-802		480V ac	1	10	AM	M-2-122083-2	P0101

* Coaxial Cable Furnished By Vendor

DCN-0149 REV 0 PAGE 29

KK2

9513437.0086

Electrical Cable Schedule for Package Number A160

REV NO.	BLDG NO.	CABLE NO.	FROM		TO		CABLE DATA				ONE LINE DIAGRAM NO. H-2-	VIA
			EQUIPMENT NUMBER OR LOCATION	CONNECTION DRAWING	EQUIPMENT NUMBER OR LOCATION	CONNECTION DRAWING	SYS VOLT	NO. COND	SIZE	CABLE CODE		
2	21	P0023C	DA-32A-802		XT-32A-802		480V ac	1	10	AM	H-2-122083-2	P0101
2	21	P0023G	DA-32A-802		XT-32A-802		480V ac	1	10	AM	H-2-122083-2	P0101
2	21	P0024A	XT-32A-802	REMOVE HOLD NO. HWVP-FD-435	DA-32A-853		208Y/120	1	8	AM	H-2-122083-2	P0102
2	21	P0024B	XT-32A-802		DA-32A-853		208Y/120	1	8	AM	H-2-122083-2	P0102
2	21	P0024C	XT-32A-802		DA-32A-853		208Y/120	1	8	AM	H-2-122083-2	P0102
2	21	P0024G	XT-32A-802		DA-32A-853		208Y/120	1	8	AM	H-2-122083-2	P0102
2	21	P0024N	XT-32A-802		DA-32A-853		208Y/120	1	8	AM	H-2-122083-2	P0102
2	23	P0025	SB-32T-001		PX-530-016-MC		480V ac	3	12	CL	H-2-122083-2	DB,PB-P3,P0026
2	23	P0026A	PX-530-016-MC		PX-530-016		480V ac	1	12	AL	H-2-122083-2	P0026A,P0026B
2	23	P0026B	PX-530-016-MC		PX-530-016		480V ac	1	12	AL	H-2-122083-2	P0026A,P0026B
2	23	P0026C	PX-530-016-MC	DCN-0149	PX-530-016		480V ac	1	12	AL	H-2-122083-2	P0026A,P0026B
2	23	P0026G	PX-530-016-MC		PX-530-016		480V ac	1	12	AL	H-2-122083-2	P0026A,P0026B
2	23	P0027	SB-32T-001		23-PTB-01		480Y/277	4	4	EP	H-2-122083-2	DB,PB-P3,P0027
2	23	P0028A	TB-23-P1		XT-32A-213	H-2-122100-8	480Y/277	1	8	AM	H-2-122083-2	P0114
2	23	P0028B	TB-23-P1		XT-32A-213	H-2-122100-8	480Y/277	1	8	AM	H-2-122083-2	P0114
2	23	P0028G	TB-23-P1		XT-32A-213	H-2-122100-8	480Y/277	1	8	AM	H-2-122083-2	P0114
2	23	P0029A	TB-23-P1	H-2-122100-8	FUSED DISC SW	H-2-122100-8	480Y/277	1	12	AL	H-2-122083-2	P0112

KKJ

951227.0087

* Coaxial Cable Furnished By Vendor

DCN-0149 Rev 0 Page
PAGE 29