

EMBEDDED
CONDUIT NUMBER

01
CMM424
8"

01
CMM425
8"

01
CMM434
8"

01
CMM435
8"

01
CMM436
8"

01
CMM437
4"

PULL BOX
01PB03

1925 [6'-4"] REF.

300 [1'] REF.

300 [1'] REF.

300 [1'] REF.

300 [1'] REF.

300 [1'] REF.

PULL BOX
01PB03-S

FIELD RUN CONTROL
CABLE TRAY 150 X 150

5500 [18'-1"] REF.

FIELD RUN POWER CABLE
TRAY - 150 X 150

42

HOLD CJ01E &
DJ01E LOCATION

CJ01-E & DJ01-E

CJ01-E & DJ01-E

CJ01-E & DJ01-E

CE01-MKL/G1_3PTC

CE01-MKL_BN

CG02-MKL/G/Y1_3PTC

CG02-MKL_BN

CI01-MKL1_3PTC

CI01-MKL_BN

CJ01-E & DJ01-E

CG02-MKL_BRK

CI01-MKL1

CE01-MKL/G 1

CG02-MKL/G/Y 1

01
CMM435B
3/4"

EXPOSED
CONDUIT NUMBER

2.09
STRIP THICKNESS GAUGE METER No.1

2.08
FLATTENER No.1

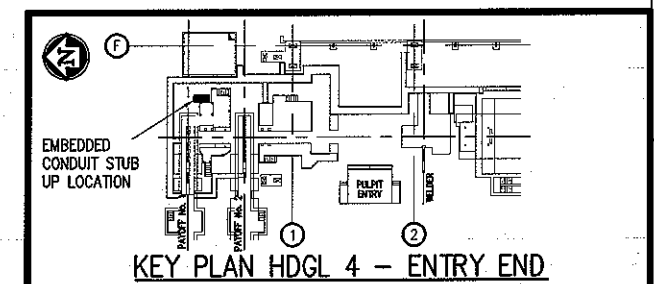
2.06
THREADING PINCH ROLL No.1

2.04
THREADING BELT CONVEYOR No.1

NOTE:

*: TO PCR 1
+E03S01P00

**: TO PCR 2
+E06S01P00



ThyssenKrupp Steel USA

Calvert, Alabama
HDGL 1 - 4

JNE CONSULTING LTD.
Professional Engineers
170 Shaw Street, Hamilton, Ontario, Canada L8L 3P7
Tel: 905-528-9122, Fax: 905-528-9123, www.jne.ca

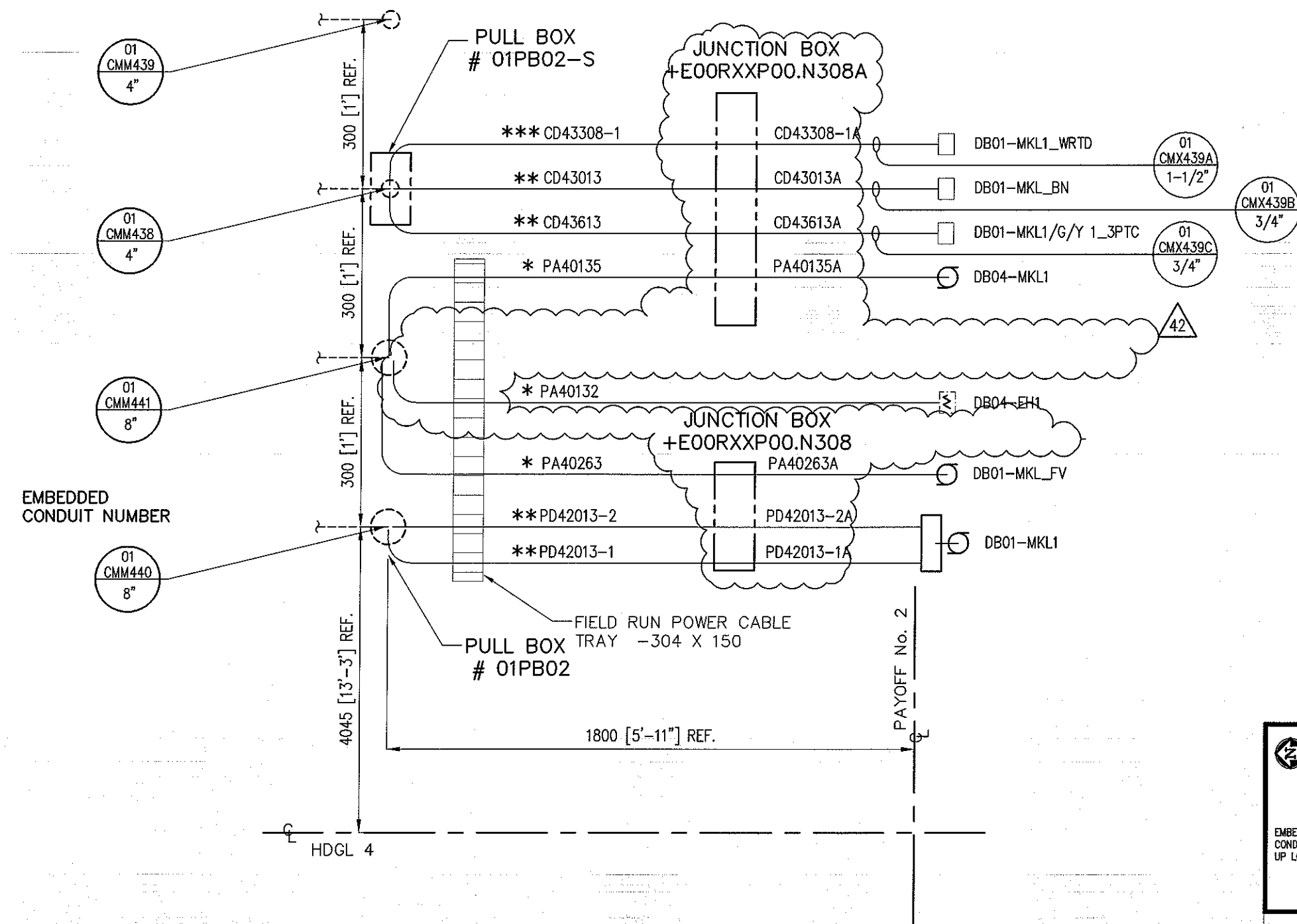
PROJECT No. 03-48-4000-00 DRAWING No. 484000-04-2505ENS

NO.	DESCRIPTION	DATE	BY	CHKD.	APP'D.
42	REVISED DRAWING	APR 27/02	AS		
43	REVISED DRAWING	APR 27/02	AS		
44	ISSUED FOR CONSTRUCTION	MAY 14/02	AS		
45	REVISED FOR FINAL BID	MAY 14/02	AS		
46	ISSUED FOR FINAL BID	MAY 14/02	AS		
47	ISSUED FOR FINAL BID	MAY 14/02	AS		
48	ISSUED FOR FINAL BID	MAY 14/02	AS		
49	ISSUED FOR FINAL BID	MAY 14/02	AS		
50	ISSUED FOR FINAL BID	MAY 14/02	AS		

CONVEYTEAM
427017.4935.KWP-3.42

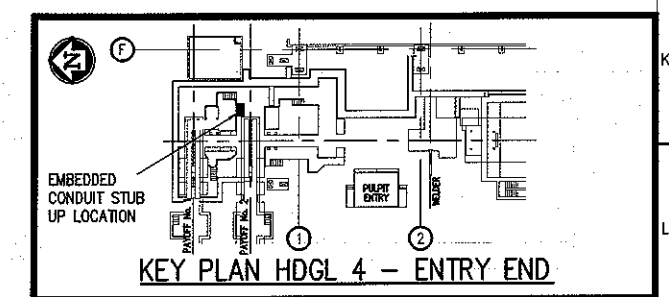
CONVEYTEAM GmbH

2.12
PAY-OFF REEL No.2



NOTE:

- *: TO PCR 1
+E03S01P00
- ** : TO PCR-2
+E06S01P00
- ***: TO RIO PANEL
+E00RXXP00



ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 1 - 4

NO.	DESCRIPTION	DATE	BY	CHKD	APP'D
42	ISSUED FOR CONSTRUCTION	MAY 15/00	GR	GR	GR
41	ISSUED FOR CONSTRUCTION	MAY 15/00	GR	GR	GR
40	ISSUED FOR CONSTRUCTION	MAY 15/00	GR	GR	GR
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2	ISSUED FOR CONSTRUCTION	MAY 15/00	GR	GR	GR
1	ISSUED FOR CONSTRUCTION	MAY 15/00	GR	GR	GR

CONVECTEAM 427017-4935.KWP-3.42

JNE CONSULTING LTD.
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175 Shaw Street, Hamilton, Ontario, Canada L8L 5P7
Tel: 905-528-0122, Fax: 905-528-8974, www.jne.ca

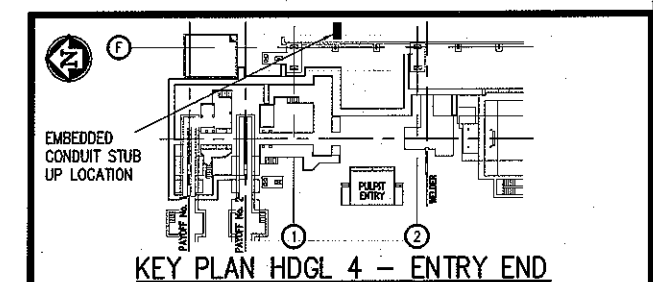
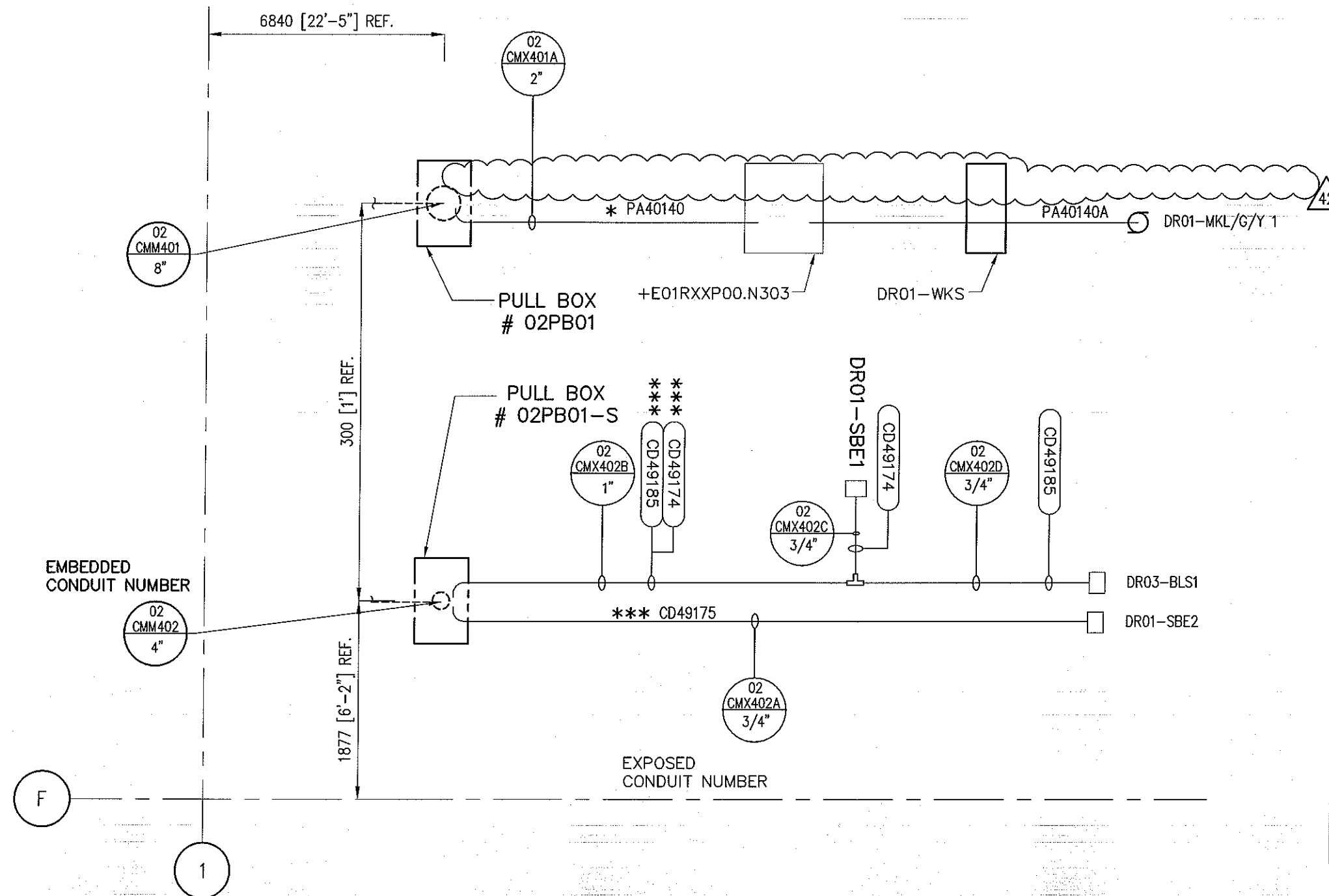
PROJECT NO. 03-48-4800-00 DRAWING NO. 484000-04-2506ENS

2.24
SCRAP BUCKET SHIFTING DEVICE

2.23
SCRAP CONVEYOR SYSTEM

NOTE:

- *: TO PCR 1
+E03S01P00
- ** TO PCR 2
+E06S01P00
- *** TO RIO PANEL
+E00RXXP00



ThyssenKrupp Steel USA

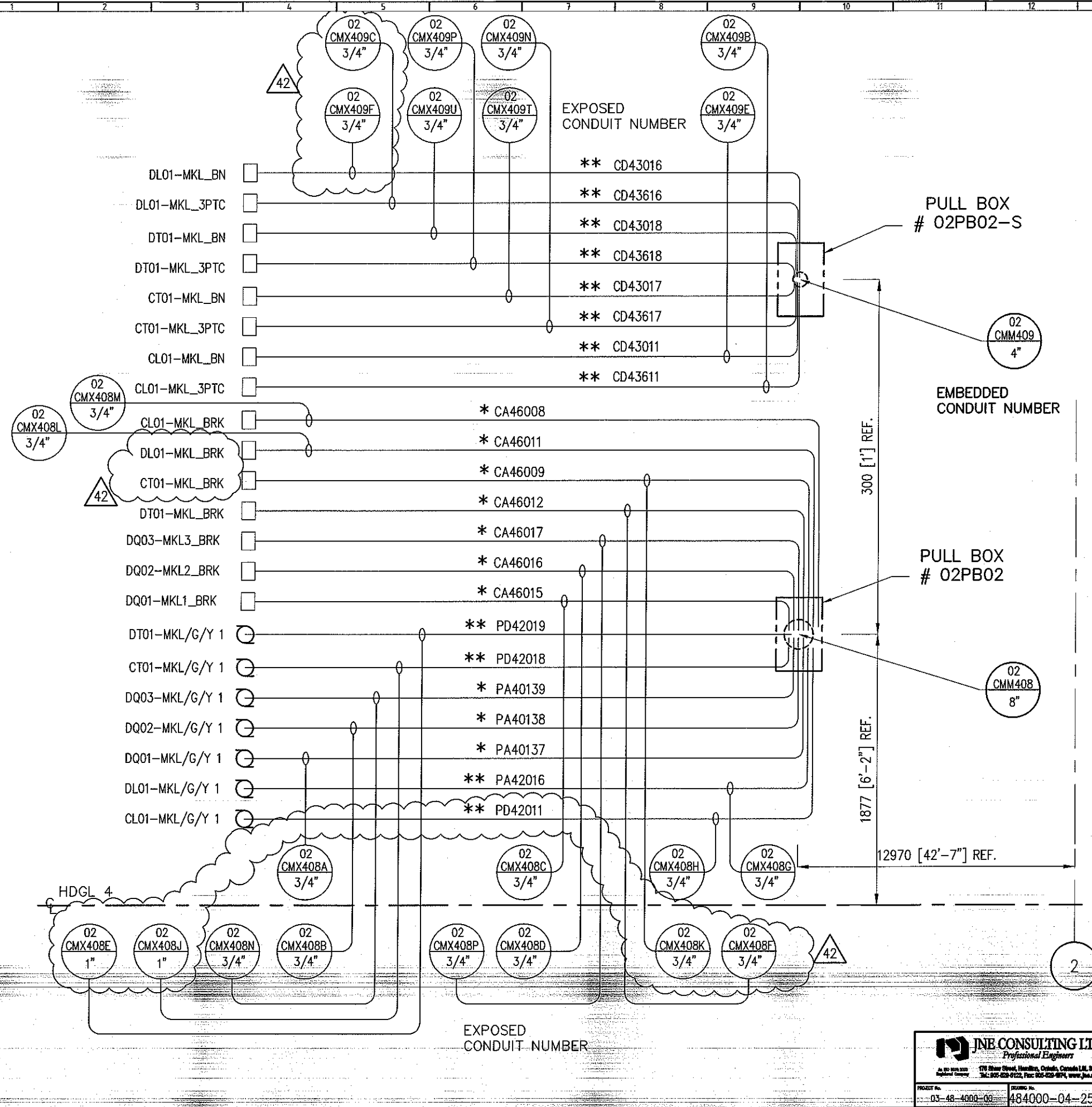
Calvert, Alabama
HDGL 1 - 4

JNE CONSULTING LTD.
Professional Engineers

As to Project: 170 Shaw Street, Hamilton, Ontario, Canada L8L 8P7
Tel: 905-525-0422, Fax: 905-525-4574, www.jne.ca

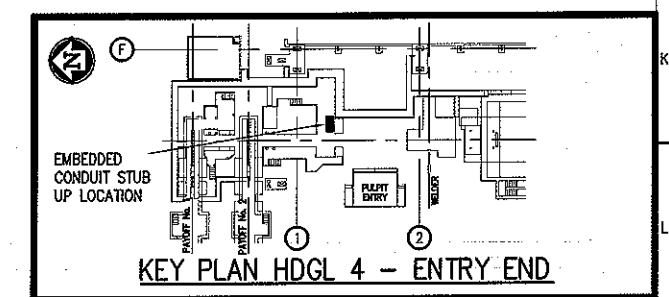
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41	TO UPGRADE BULK	APR 27/02	42	TO UPGRADE BULK	APR 27/02
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- 2.10.01
CROSSCUT SHEAR NO.1
- 2.21.01
CROSSCUT SHEAR NO.2
- 2.26.02
DEFLECTOR PINCH ROLL (LOWER)
- 2.26.01
DEFLECTOR PINCH ROLL (UPPER)
- 2.23
SCRAP CONVEYOR SYSTEM

NOTE:
*: TO PCR 1
+E03S01P00
**: TO PCR 2
+E06S01P00



ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 1 - 4

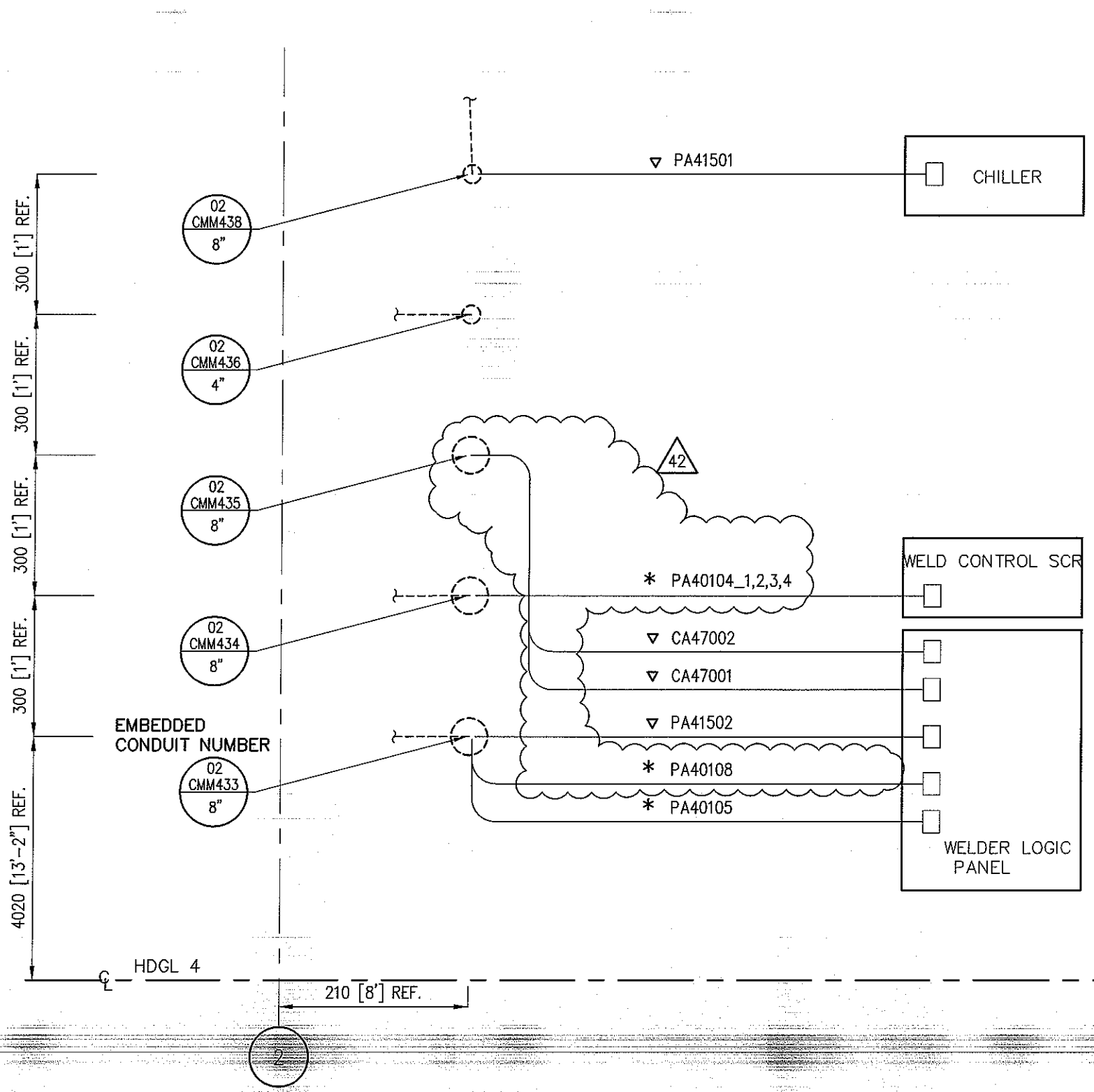
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PROJECT No. 03-48-4000-00

DRAWING No. 484000-04-2518ENS

CONVEYTEAM

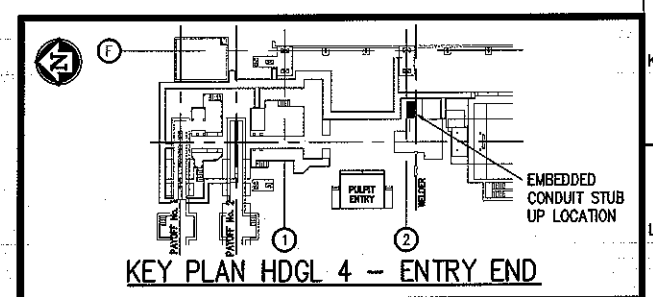
427017.4935:KWP-3.42



2.28
WELDER

NOTE:

- *: TO PCR 1
+E03S01P00
- ▽: TO
+E02RXXP00



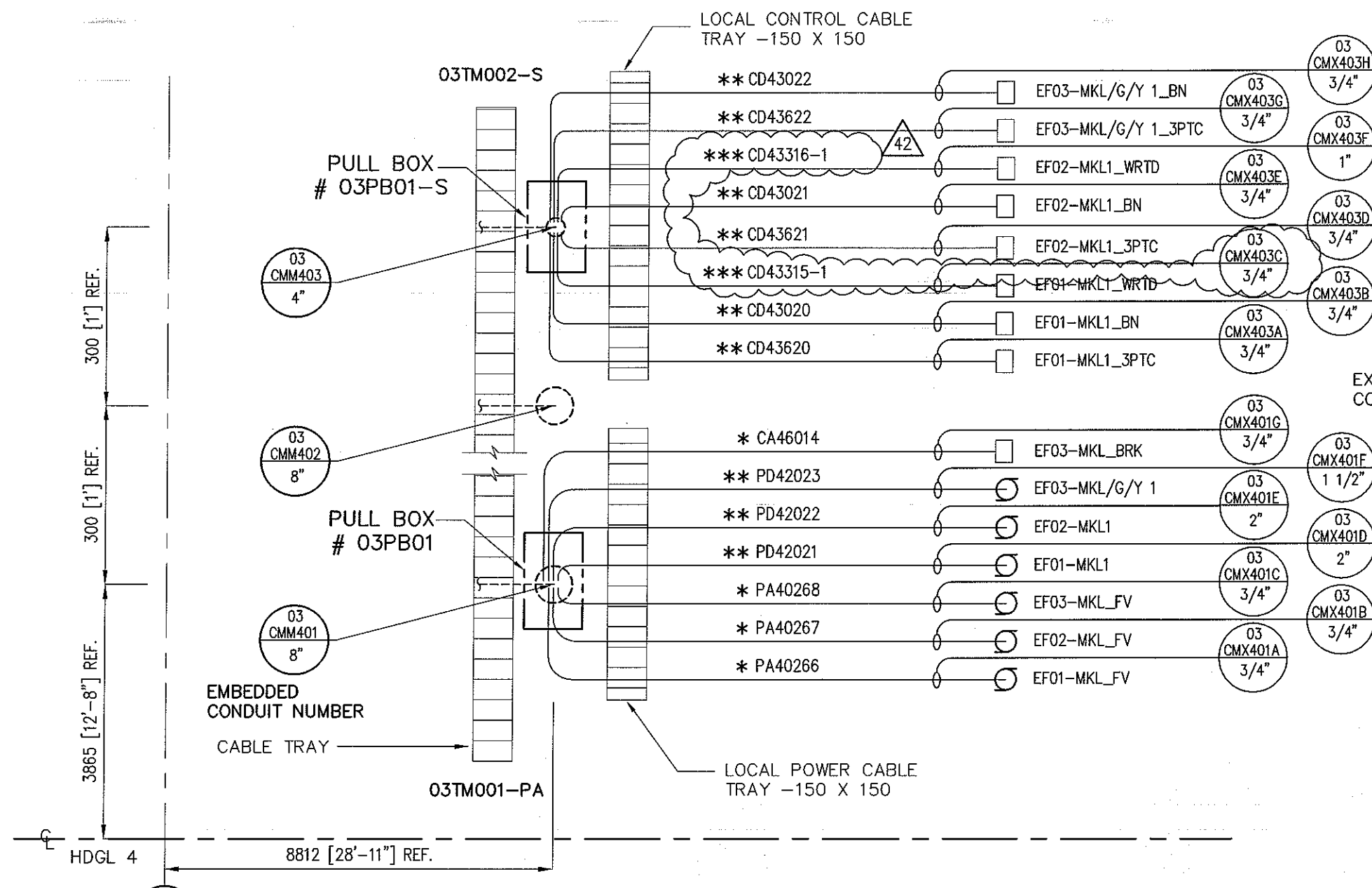
ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 1 - 4

JNE CONSULTING LTD.
Professional Engineers
As per 400-0000
176 Street Street, Hamilton, Ontario, Canada L8L 9P7
Tel: 905-525-0122, Fax: 905-525-0174, www.jne.ca

PROJECT No. 03-48-4000-00 DRAWING No. 484000-04-2522ENS

Revised	By	Date	Reason	Scale	Notes
48	NO IMPROVED SCALE	APR 27/00	U.S.	1"=100'	NO IMPROVED SCALE
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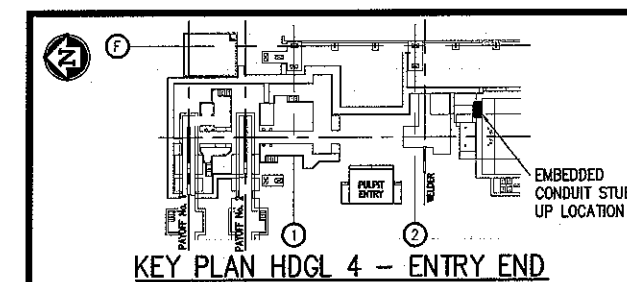
CONVECTEAM	427017.4935.KWP-3.42	Sheet 24 of 24
ConveTeam GmbH	ConveTeam GmbH	ConveTeam GmbH



2.31 BRIDLE ROLL SET No.1

NOTE:

- *: TO PCR 1
+E03S01P00
- ** TO PCR 2
+E06S01P00
- *** TO RIO PANEL
+E00RXXP00



ThyssenKrupp Steel USA

Calvert, Alabama
HDGL 4 - 4

JNE CONSULTING LTD.
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175 Beaver Street, Hamilton, Ontario, Canada L8L 5P7
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PROJECT No. 03-48-4800-00 DRAWING No. 484000-04-2525ENS

Revised	By	Date	Revised	By	Date	Revised	By	Date	Revised	By	Date
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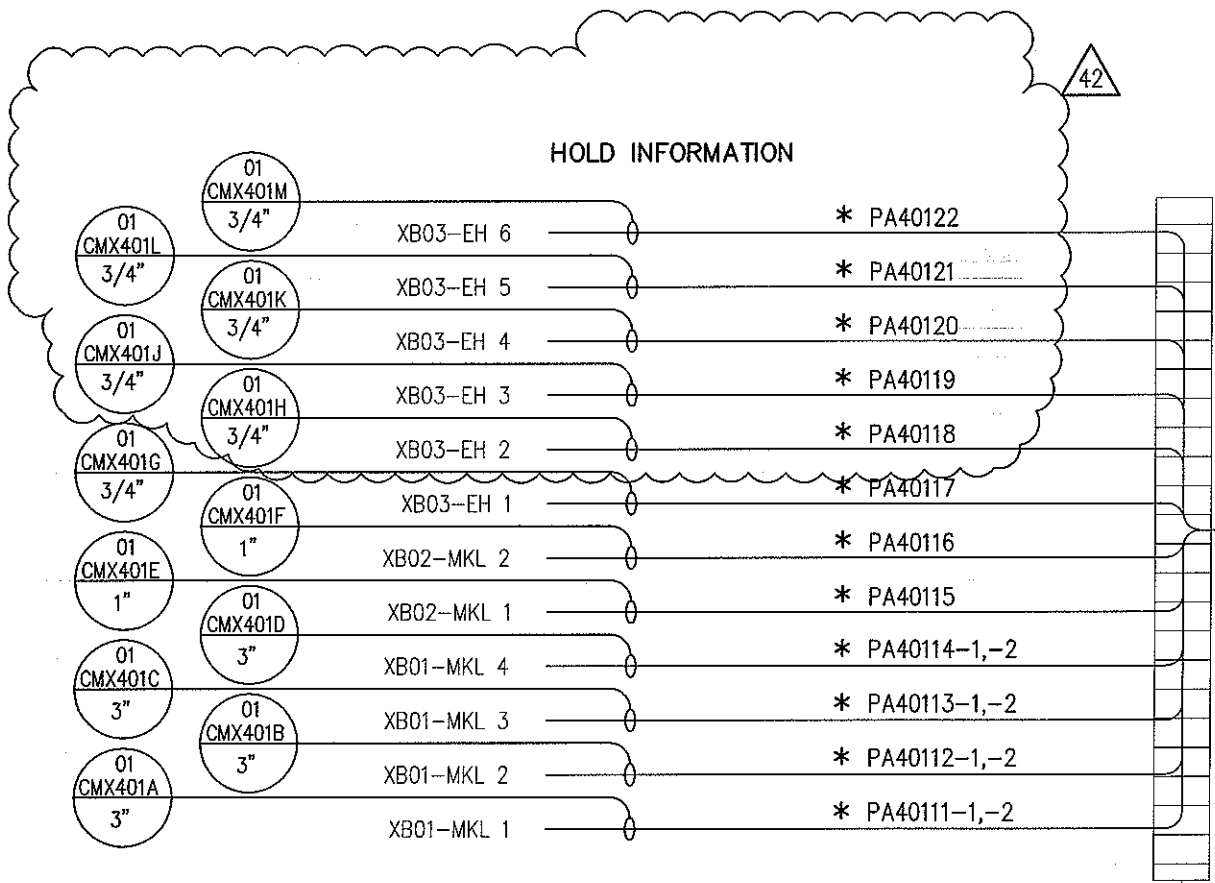
CONVERTEAM 427017.4935.KWP-3.42

 JNE CONSULTING LTD. <i>Professional Engineers</i>	
A/S 90-9020 Registered Company	
76 Silver Street, Hamilton, Ontario, Canada L8L 9P7 Tel: 905-523-6722, Fax: 905-523-6774, www.jne.co	
PROJECT No.	DRAWING No.
03-48-4000-00	484000-04-2526

14.01.01
ENTRY SEC. LP HYDRAULIC
SYSTEM (POWER)

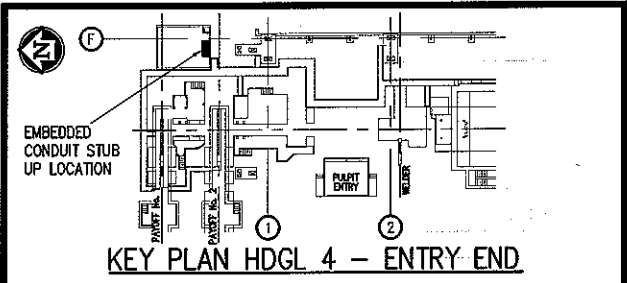
NOTE:

*: TO PCR 1
+E03S01P00



ELECTRICAL
MANHOLE
#EMH401

LOCAL FIELD RUN POWER
CABLE TRAY - 457 X 150



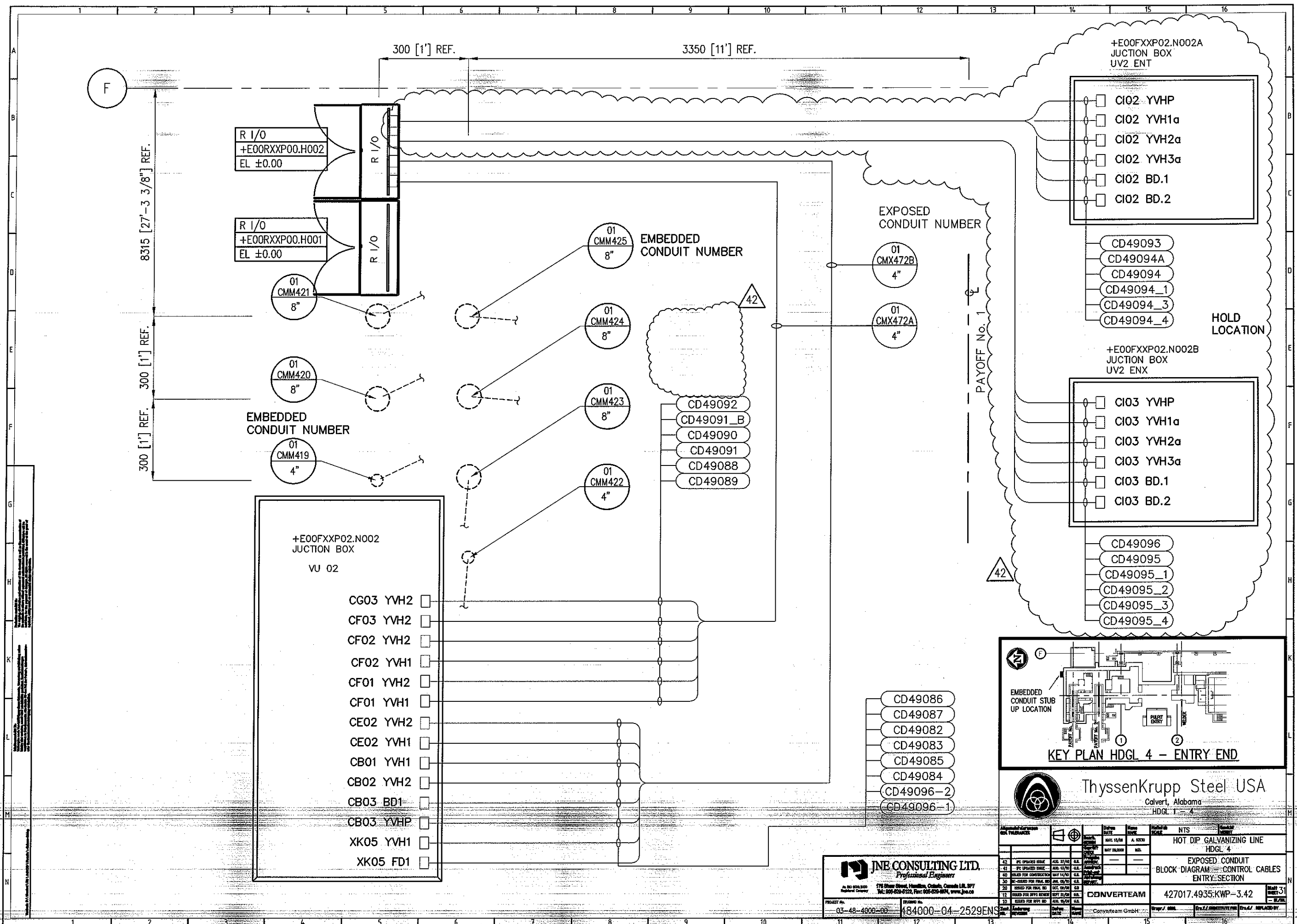
ThyssenKrupp Steel USA

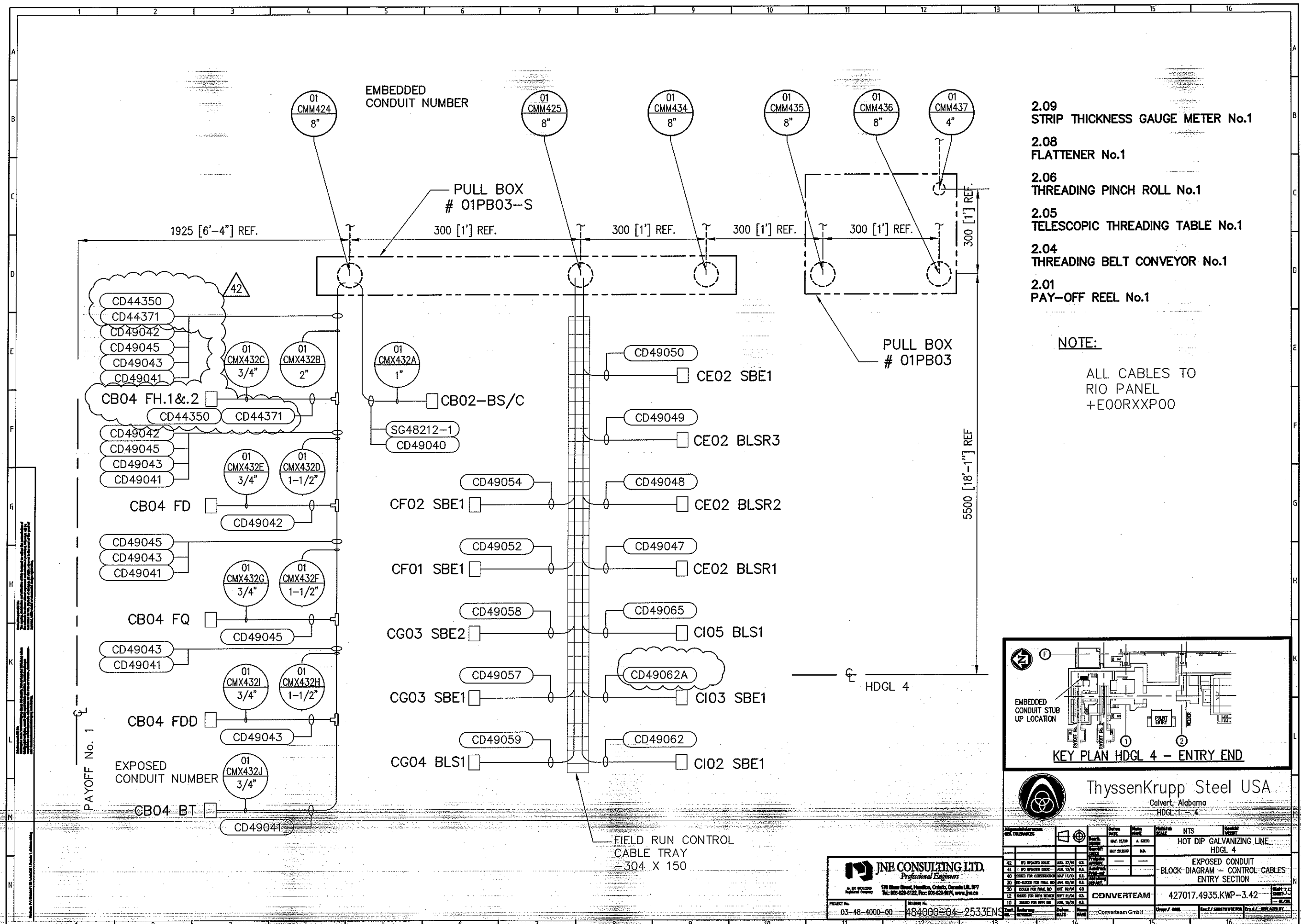
Calvert, Alabama
HDGL 1 - 4

JNE CONSULTING LTD.
Professional Engineers
As to 900000
Engineer Company
178 Shaw Street, Hamilton, Ontario L8L 5P7
Tel: 905-520-6122, Fax: 905-520-6174, www.jne.ca

PROJECT NO. 03-48-4000-00 DRAWING NO. 484000-04-2527ENS

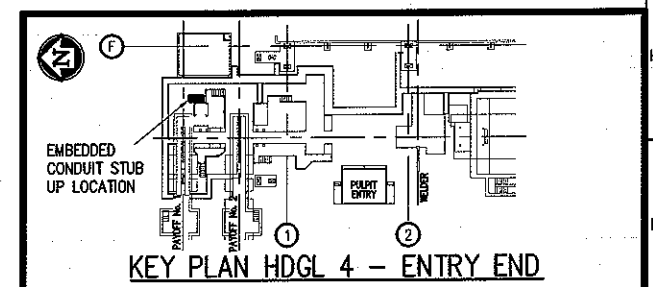
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9	ISSUED FOR FINAL BID	08/12/03	1:1	1:1	08/12/03
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7	ISSUED FOR FINAL BID	08/12/03	1:1	1:1	08/12/03
6	ISSUED FOR FINAL BID	08/12/03	1:1	1:1	08/12/03
5	ISSUED FOR FINAL BID	08/12/03	1:1	1:1	08/12/03
4	ISSUED FOR FINAL BID	08/12/03	1:1	1:1	08/12/03
3	ISSUED FOR FINAL BID	08/12/03	1:1	1:1	08/12/03
2	ISSUED FOR FINAL BID	08/12/03	1:1	1:1	08/12/03
1	ISSUED FOR FINAL BID	08/12/03	1:1	1:1	08/12/03





- 2.09 STRIP THICKNESS GAUGE METER No.1
- 2.08 FLATTENER No.1
- 2.06 THREADING PINCH ROLL No.1
- 2.05 TELESCOPIC THREADING TABLE No.1
- 2.04 THREADING BELT CONVEYOR No.1
- 2.01 PAY-OFF REEL No.1

NOTE:
ALL CABLES TO
RIO PANEL
+E00RXXP00



ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 1 - 4

JNE CONSULTING LTD.
Professional Engineers
As per ASCE 2000
170 Bloor Street, Hamilton, Ontario, Canada L8L 8P7
Tel: 905-520-6122, Fax: 905-520-9774, www.jne.ca

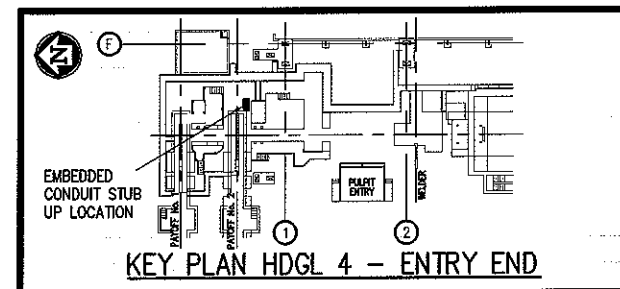
PROJECT No. 03-48-4000-00 DRAWING No. 484000-04-2533ENS

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CONVESTEAM 427017.4935.KWP-3.42

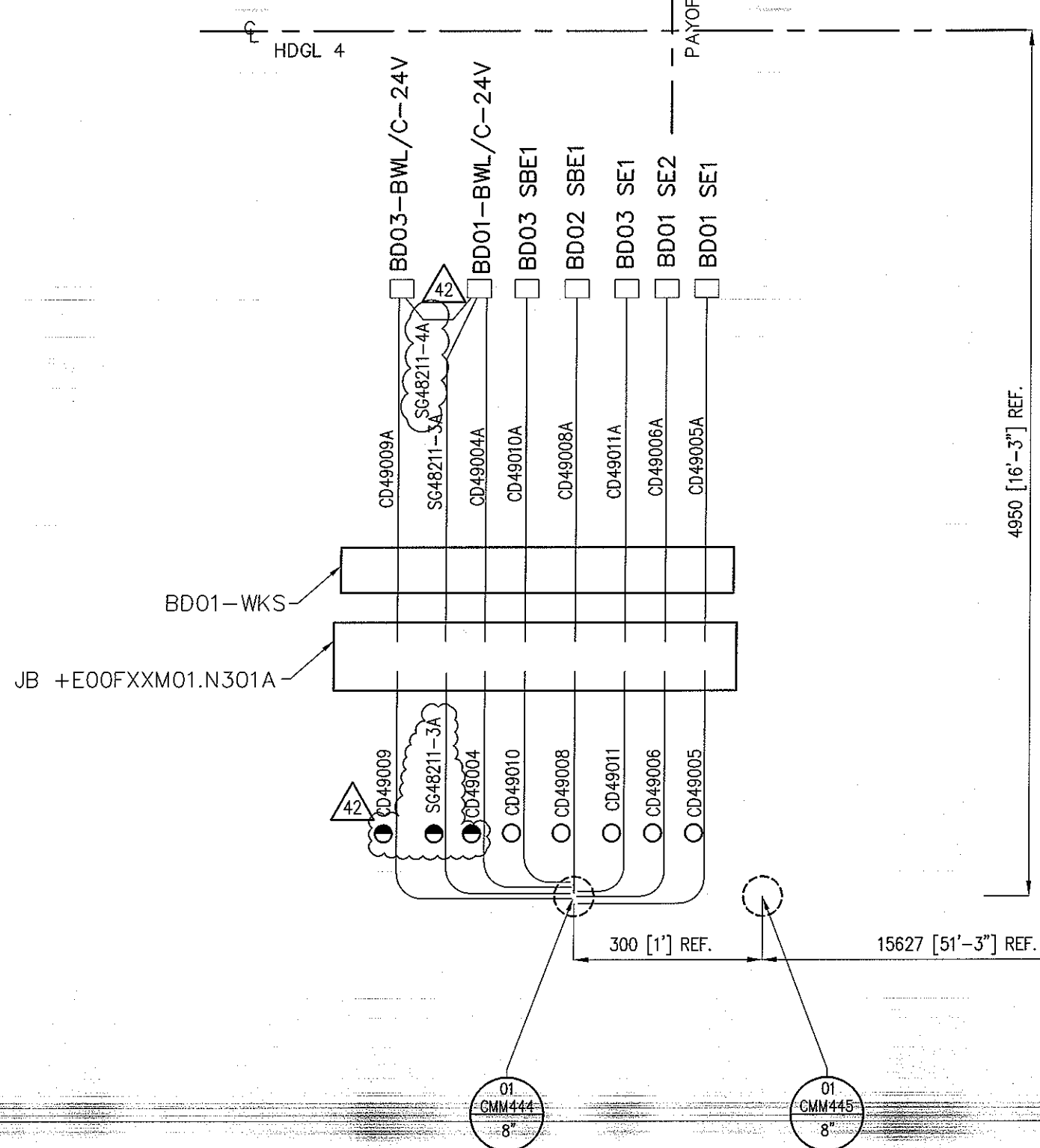
NOTE:

TO RIO PANEL
+E00RXXP00.H002



Calvert, Alabama
HDGL 1 - 4

Approved for release GEN. T. W. BAKER				Date of Issue MAY 19/68 Date Valid A. 6820 Date of Expiry MAY 20/69 Date of Renewal MAY 19/69		NTS HOT DIP GALVANIZING LINE HDGL 4		Number of Pages 1	
43. 1ST SPUNGE ROSE		ASD. 07/68		GA.		---		---	
41. 1ST UPTAKE ROSE		ASD. 05/68		GA.		---		---	
40. 4000 FOR CONSTRUCTION		MAY 14/68		GA.		---		---	
30. 80-5000 FOR FINAL RD.		AEN. 02/67		GA.		---		---	
20. 8000 FOR FINAL RD.		GCL. 04/68		GB.		---		---	
12. 8000 FOR 2000. 8000		SPT. 20/68		GB.		---		---	
10. 8000 FOR 8000 RD.		AEN. 02/67		GB.		---		---	
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Name of Company		Drawing Number		Drawing Date		Drawing Scale		Drawing Unit	
Conveyorteam GmbH		14		16		16		16	

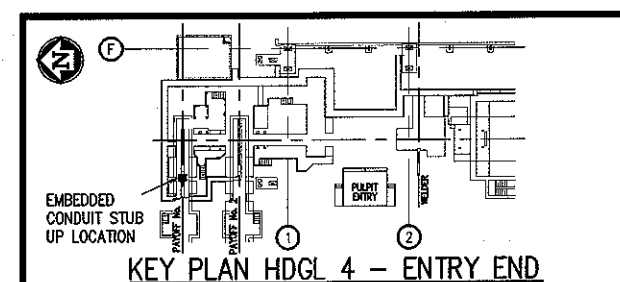


1.02
COIL CAR No.1

NOTE:

- : TO RIO PANEL
+E01P01P00.H101
- : TO RIO PANEL
+E00RXXP00.H001

42



ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 1 - 4

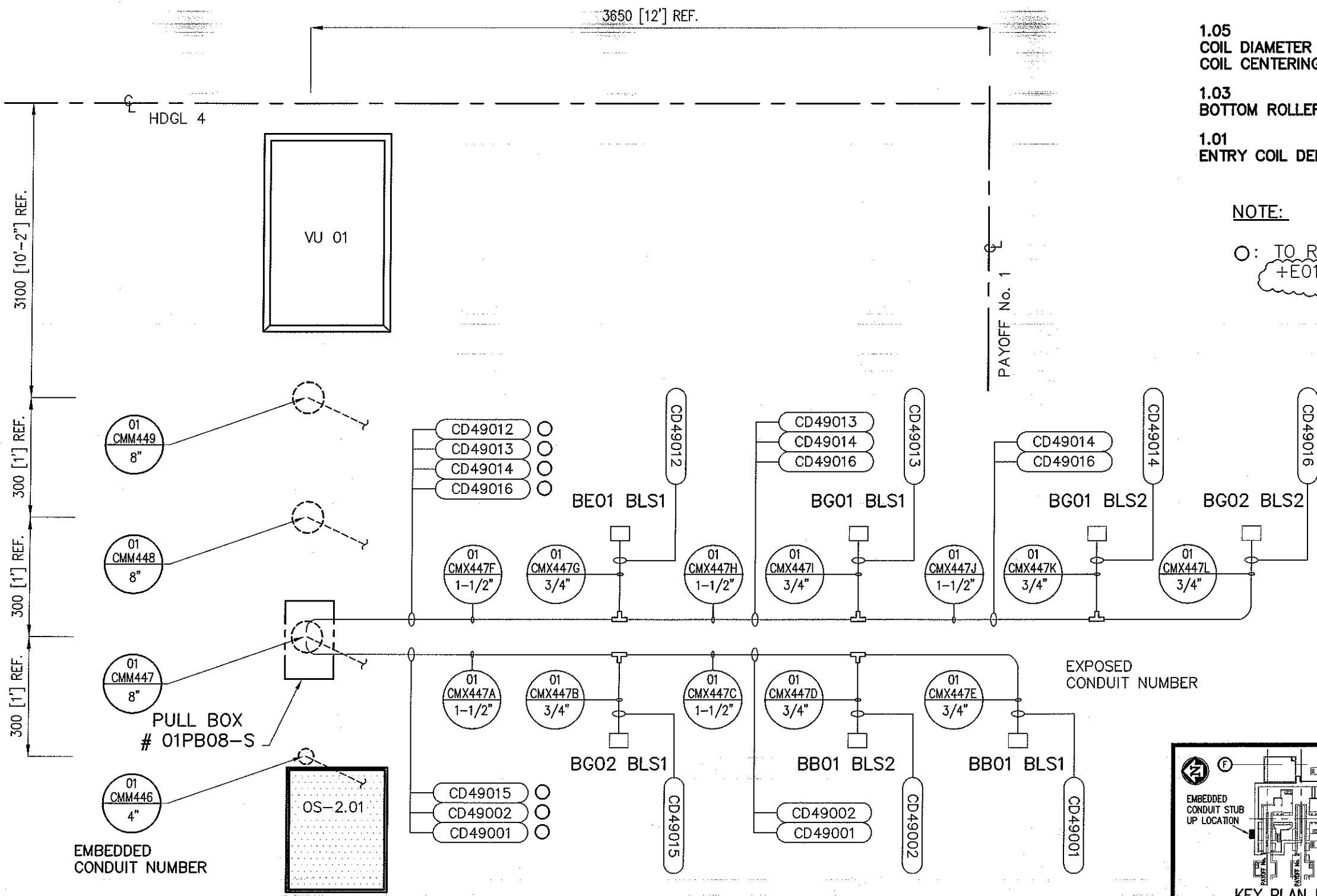
JNE CONSULTING LTD.
Professional Engineers

As per 900-2000
Registered Company

170 Stone Street, Hamilton, Ontario, Canada L8L 9P7
Tel: 905-528-9122, Fax: 905-528-9074, www.jne.ca

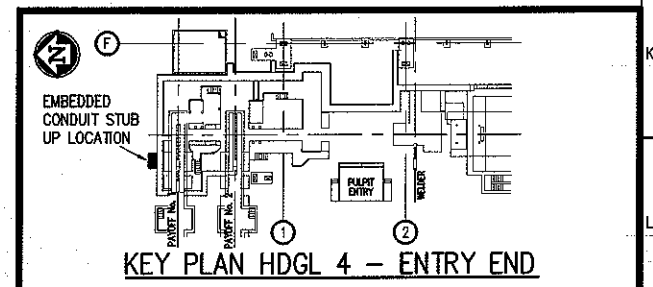
PROJECT No. 03-48-4000-00 DRAWING No. 484000-04-2536ENS


Revised/Issued	DATE	BY	CHKD	NTS	REVISION
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39					
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4					
3					
2					
1					



- 1.05 COIL DIAMETER MEASURING DEVICE AND COIL CENTERING No.1
- 1.03 BOTTOM ROLLER STATION No.1
- 1.01 ENTRY COIL DEPOSIT No.1

NOTE:
O: TO RIO PANEL
+E01P01P00.H101
42






ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 1 - 4

Revisions	Date	By	Check	Scale	Notes
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CONVERTEAM

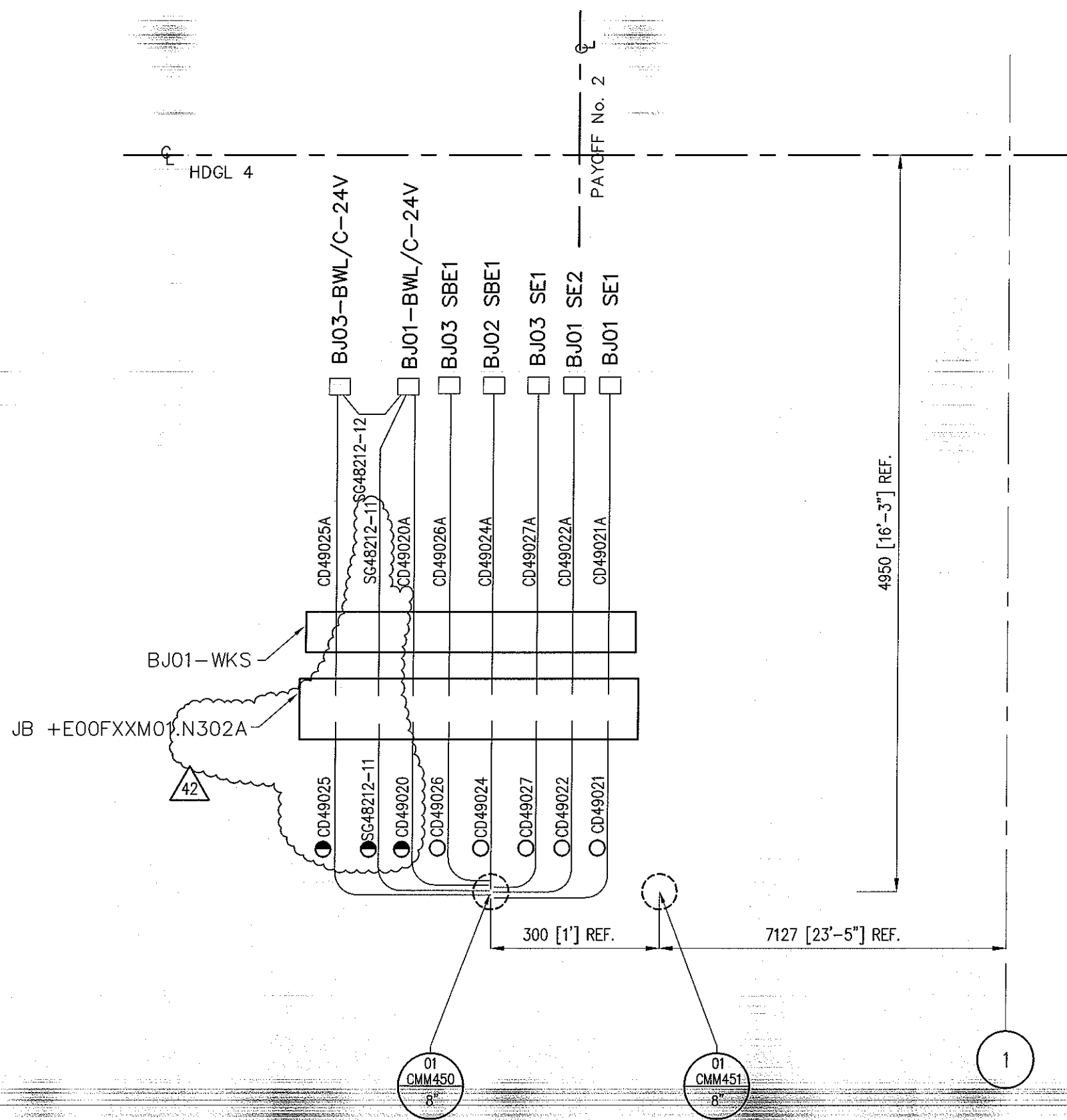
427017.4935.KWP-3.42



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Professional Engineers

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PROJECT NO. 03-48-4000-00 DRAWING NO. 484000-04-2537ENS

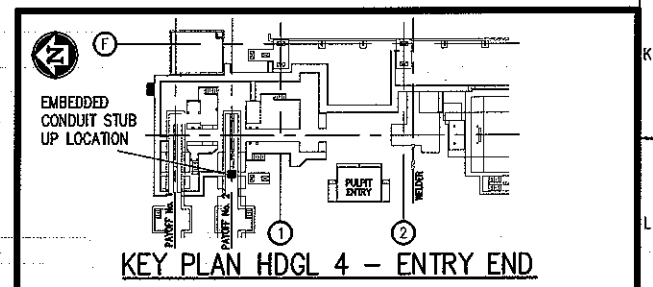


1.07
COIL CAR No.2

NOTE:

- : TO RIO PANEL
+E01P01P00.H101
- : TO RIO PANEL
+E00RXXP00.H001

42



ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 1 - 4

Revised	By	Date	Reason	Scale	Notes
42	PG UPDATED	APR 27/00	A. B. B. P.	NTS	HOT DIP GALVANIZING LINE HDGL 4
41	PG UPDATED	APR 15/00	A. B. B. P.	NTS	EXPOSED CONDUIT BLOCK DIAGRAM - CONTROL CABLES ENTRY SECTION
40	PG UPDATED	MAY 14/00	A. B. B. P.	NTS	427017.4935.KWP-3.42
39	PG UPDATED	MAY 14/00	A. B. B. P.	NTS	
38	PG UPDATED	MAY 14/00	A. B. B. P.	NTS	
37	PG UPDATED	MAY 14/00	A. B. B. P.	NTS	
36	PG UPDATED	MAY 14/00	A. B. B. P.	NTS	
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32	PG UPDATED	MAY 14/00	A. B. B. P.	NTS	
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PROJECT NO. 03-48-4000-00 DRAWING NO. 484000-04-2538

EMBEDDED
CONDUIT NUMBER

01
CMM450
8"

01
CMM451
8"

1

1.10
COIL DIAMETER MEASURING DEVICE AND
COIL CENTERING No.2

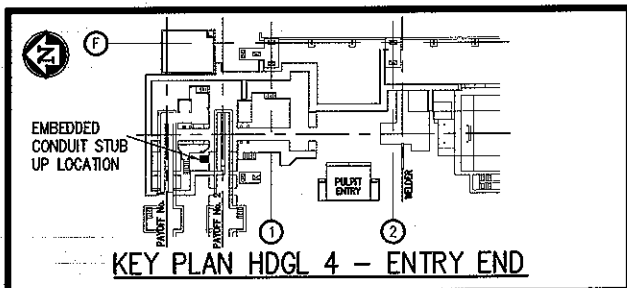
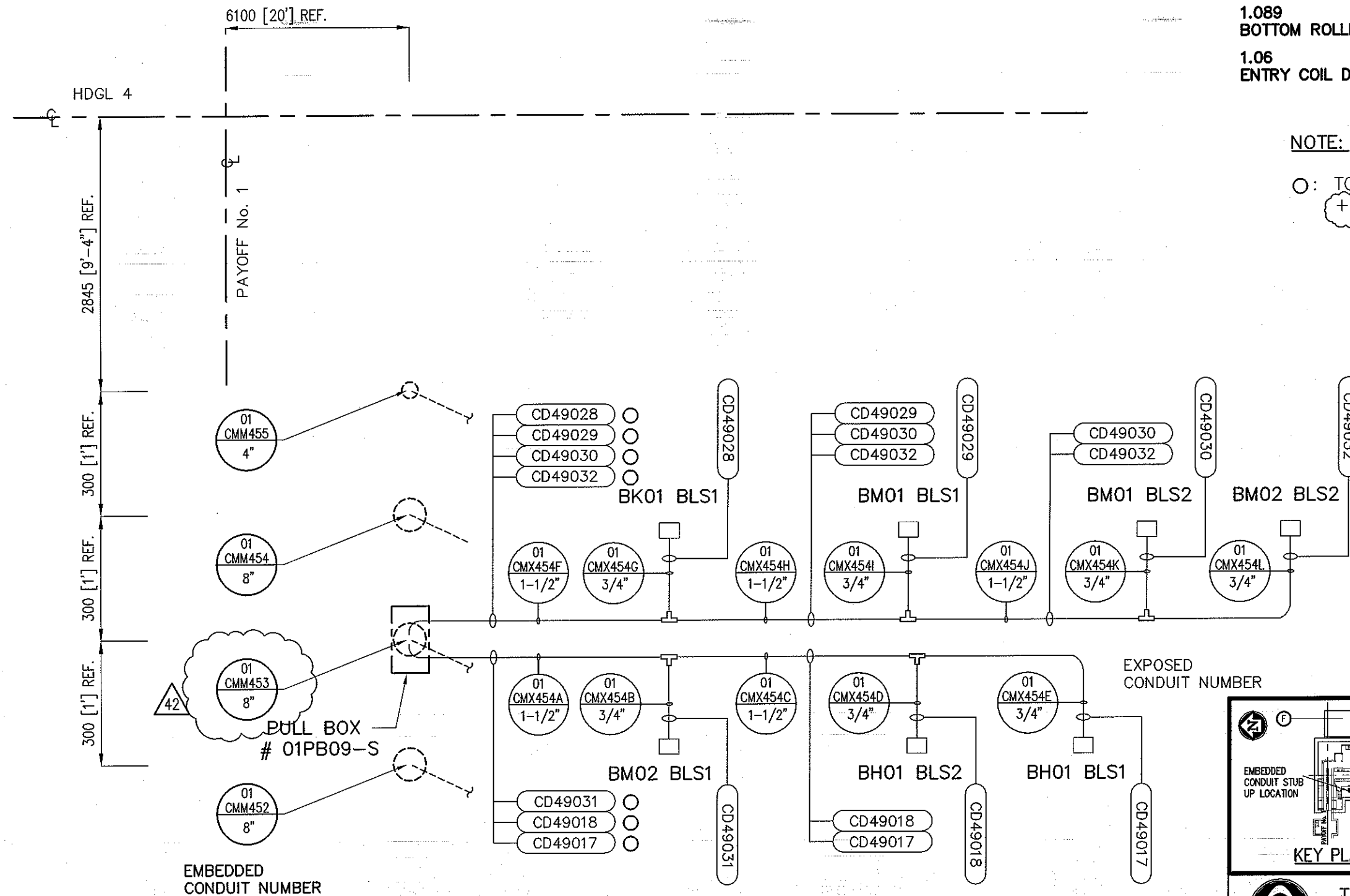
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BOTTOM ROLLER STATION No.2

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ENTRY COIL DEPOSIT No.2

NOTE:

○: TO RIO PANEL
+E01P01P00.H101

42

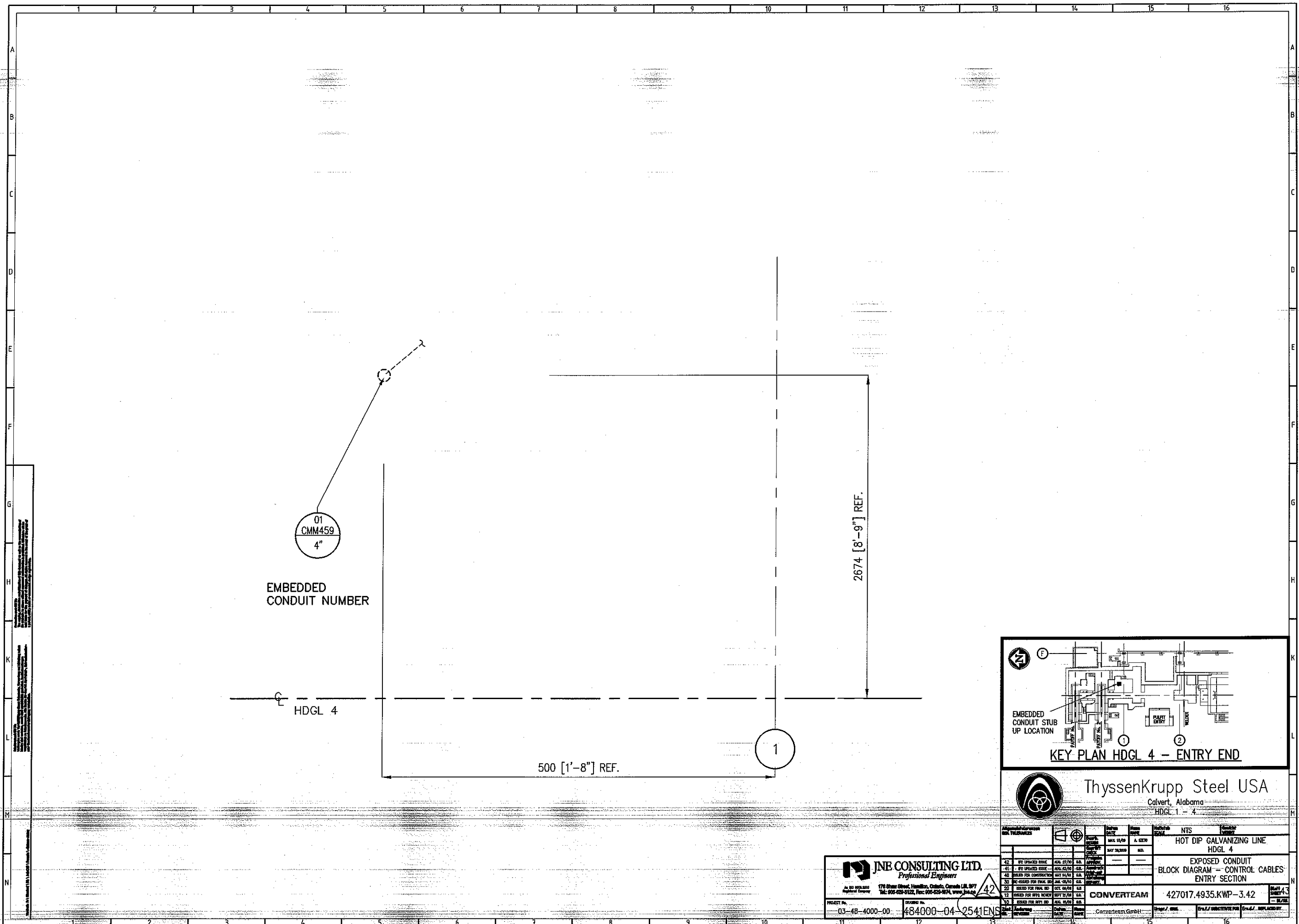



		ThyssenKrupp Steel USA	
Calvert, Alabama		HDGL 4	
NTS		HOT DIP GALVANIZING LINE	
HDGL 4		EXPOSED CONDUIT	
BLOCK DIAGRAM - CONTROL CABLES		ENTRY SECTION	
CONVERTEAM		427017.4935.KWP-3.42	
CONVERTEAM GmbH		CONVERTEAM	
CONVERTEAM		CONVERTEAM	

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PROJECT No. 03-48-4000-00 DRAWING No. 484000-04-2539EN






KEY PLAN HDGL 4 - ENTRY END



ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 1 - 4

Revisions	DATE	BY	CHKD	DESCRIPTION
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PROJECT No. 03-48-4000-00

DRAWING No. 484000-04-2541ENS

CONVERTEAM

427017.4935.KWP-3.42

NTS

HOT DIP GALVANIZING LINE

HDGL 4

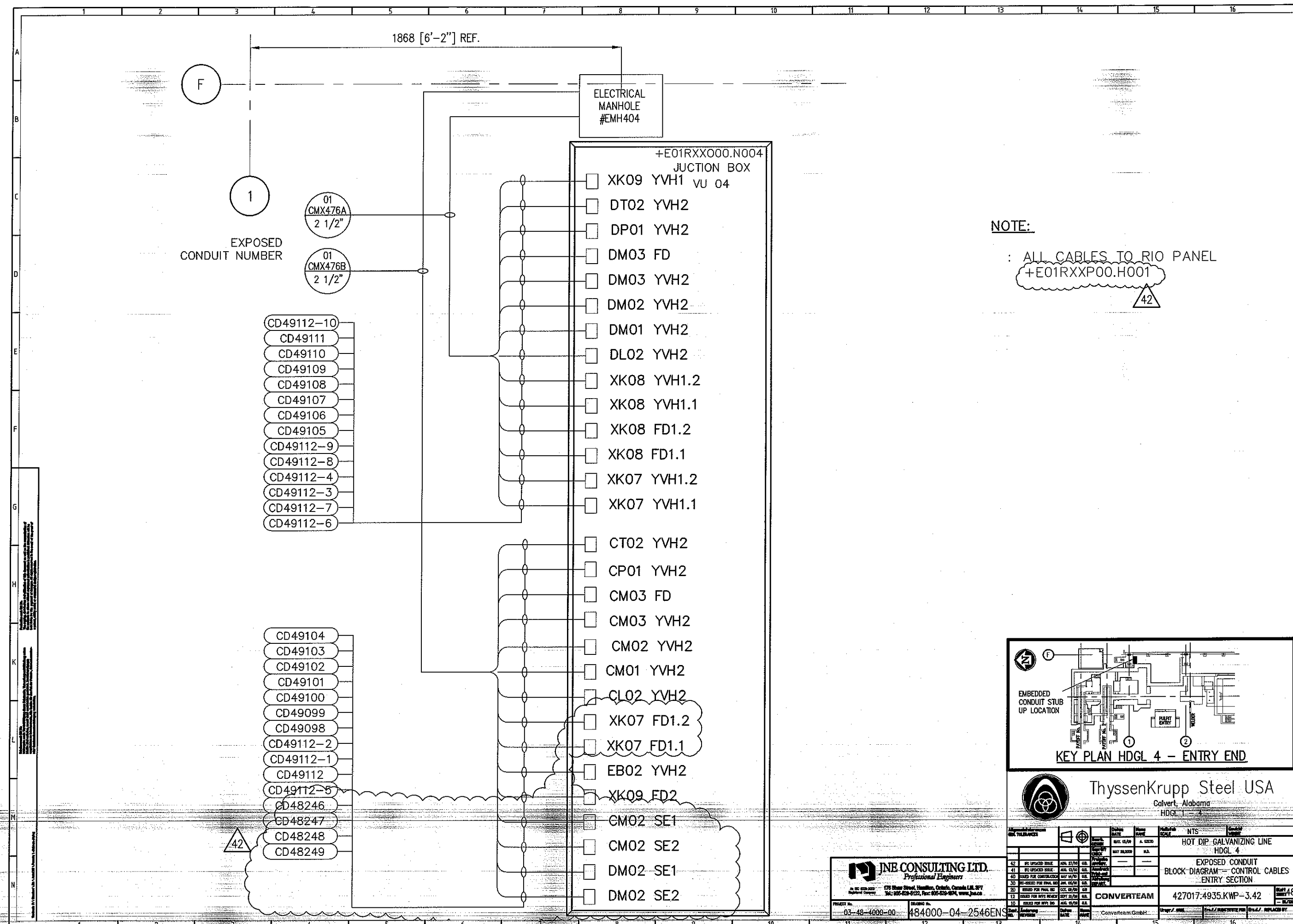
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BLOCK DIAGRAM - CONTROL CABLES

ENTRY SECTION

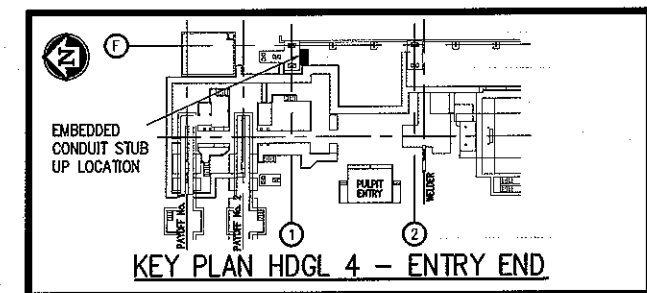
Sheet 43

43



NOTE:

: ALL CABLES TO RIO PANEL
+E01RXXP00.H001



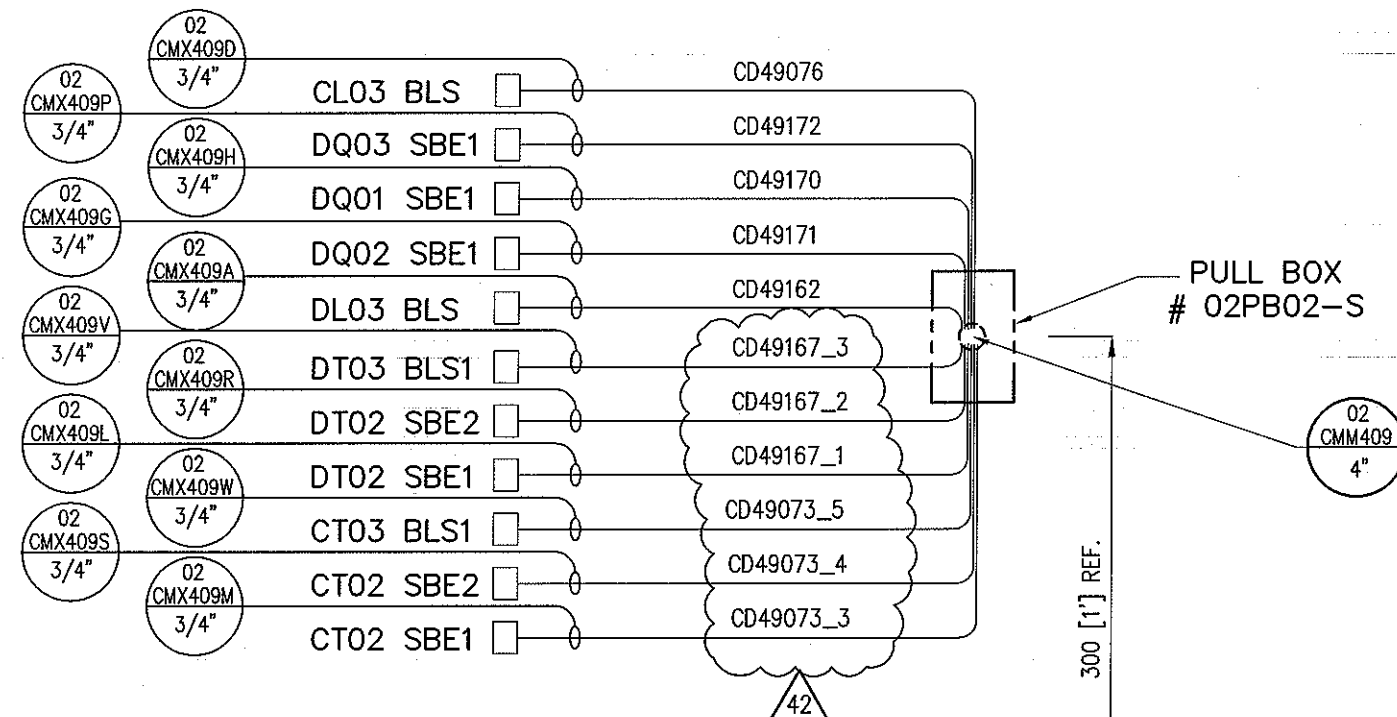
ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 4

NO.	DESCRIPTION	DATE	BY	CHKD.	APP'D.
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41	REVISED ISSUE	APR 15/00	GB		
40	ISSUED FOR CONSTRUCTION	MAY 14/00	GB		
39	REVISED FOR FINAL	APR 15/00	GB		
38	ISSUED FOR FINAL	APR 15/00	GB		
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3	ISSUED FOR FINAL	APR 15/00	GB		
2	ISSUED FOR FINAL	APR 15/00	GB		
1	ISSUED FOR FINAL	APR 15/00	GB		

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PROJECT NO. 03-48-4000-00
DRAWING NO. 484000-04-2546ENS

CONVESTEAM
427017-4935.KWP-3.42



EXPOSED
CONDUIT NUMBER

PULL BOX
02PB02-S

PULL BOX
02PB02

EMBEDDED
CONDUIT NUMBER

HDGL 4

12970 [42'-7"] REF.

2.26.01
DEFLECTOR PINCH ROLL (UPPER)

2.26.02
DEFLECTOR PINCH ROLL (LOWER)

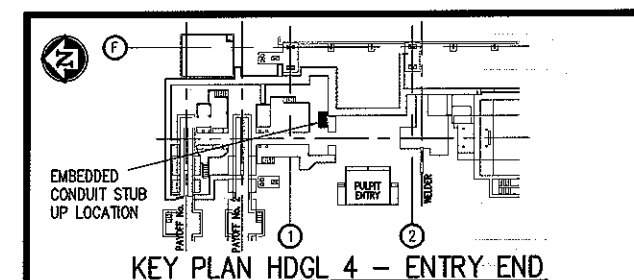
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SCRAP CONVEYOR SYSTEM

2.10.01
CROSS CUT SHEAR No.1

2.21.01
CROSS CUT SHEAR No.2

NOTE:

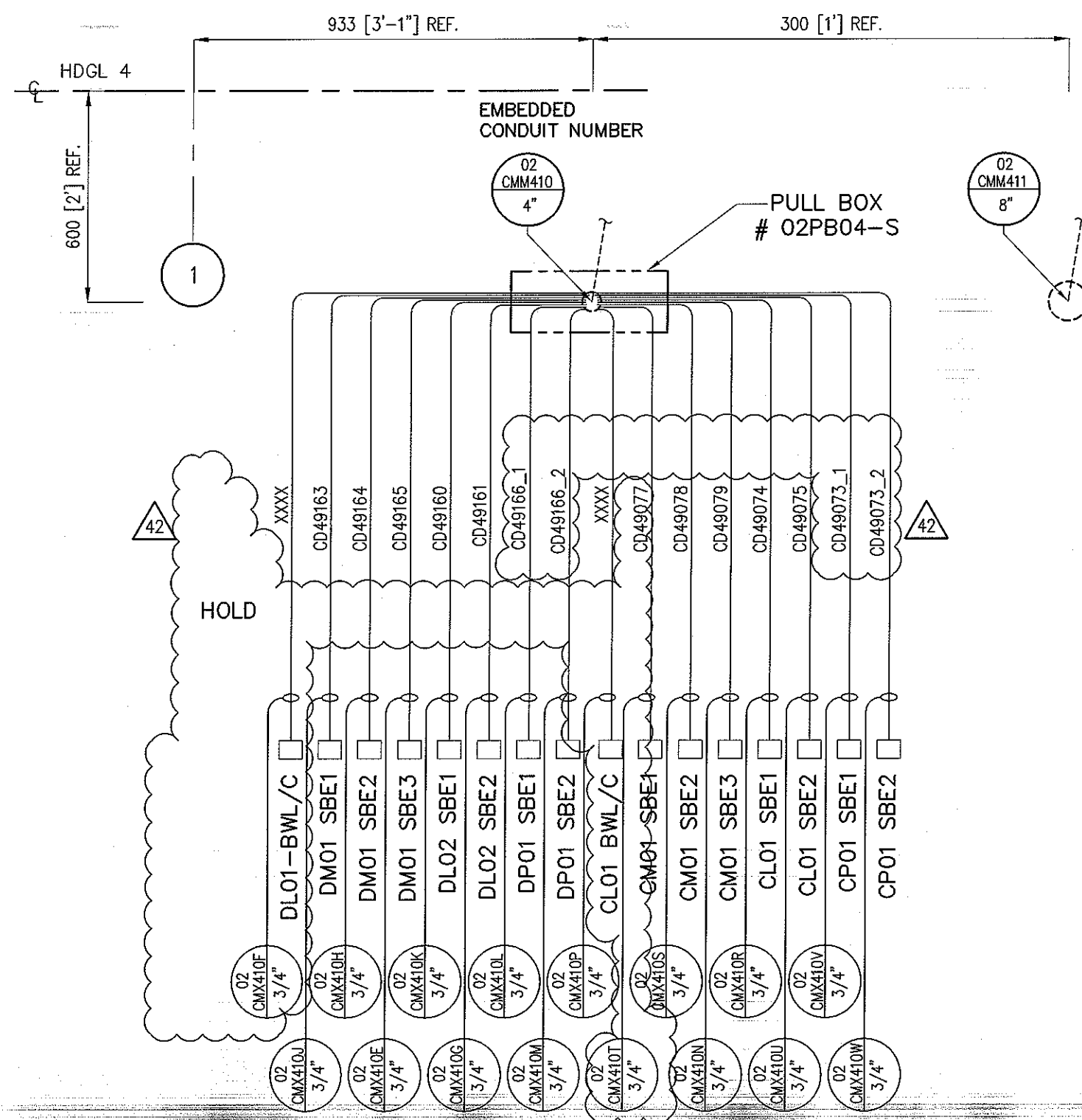
ALL CABLES TO
RIO PANEL
+E01RXXP00.H001



ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 1-4

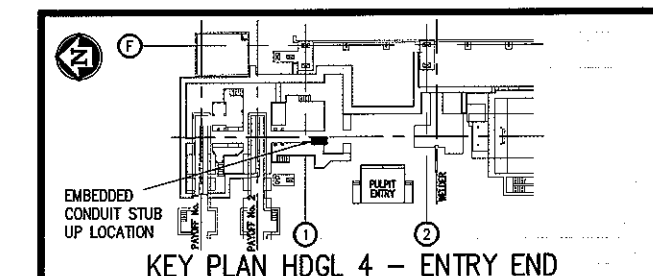
JNE CONSULTING LTD.
Professional Engineers
170 Shaw Street, Hamilton, Ontario, Canada L8L 9P7
Tel: 905-528-8122, Fax: 905-528-8199, www.jne.ca

NO.	DESCRIPTION	DATE	BY	CHKD.	SCALE	NTS
42	NO. 1000000000	NOV. 27/00	C.E.			
43	NO. 1000000000	NOV. 27/00	C.E.			
44	NO. 1000000000	NOV. 27/00	C.E.			
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59	NO. 1000000000	NOV. 27/00	C.E.			
60	NO. 1000000000	NOV. 27/00	C.E.			



- 2.10.01 AUXILIARY PINCH ROLL NO.1
- 2.10.02 CROSS CUT SHEAR NO.1
- 2.11 STRIP SWITCH NO.1
- 2.21.01 AUXILIARY PINCH ROLL NO.2
- 2.21.02 CROSS CUT SHEAR NO.2
- 2.22 STRIP SWITCH NO.2

NOTE:
ALL CABLES TO
RIO PANEL
+E01RXXP00.H001



ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 1 - 4

Revised	By	Date	Description
42	IC	07/10	IC UPDATED ISSUE
41	IC	07/10	IC UPDATED ISSUE
40	IC	07/10	IC UPDATED ISSUE
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427017.4935.KWP=3.42

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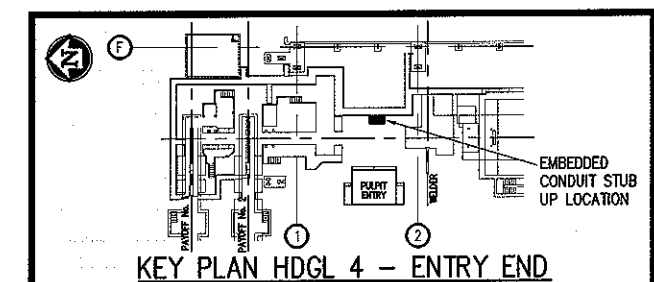
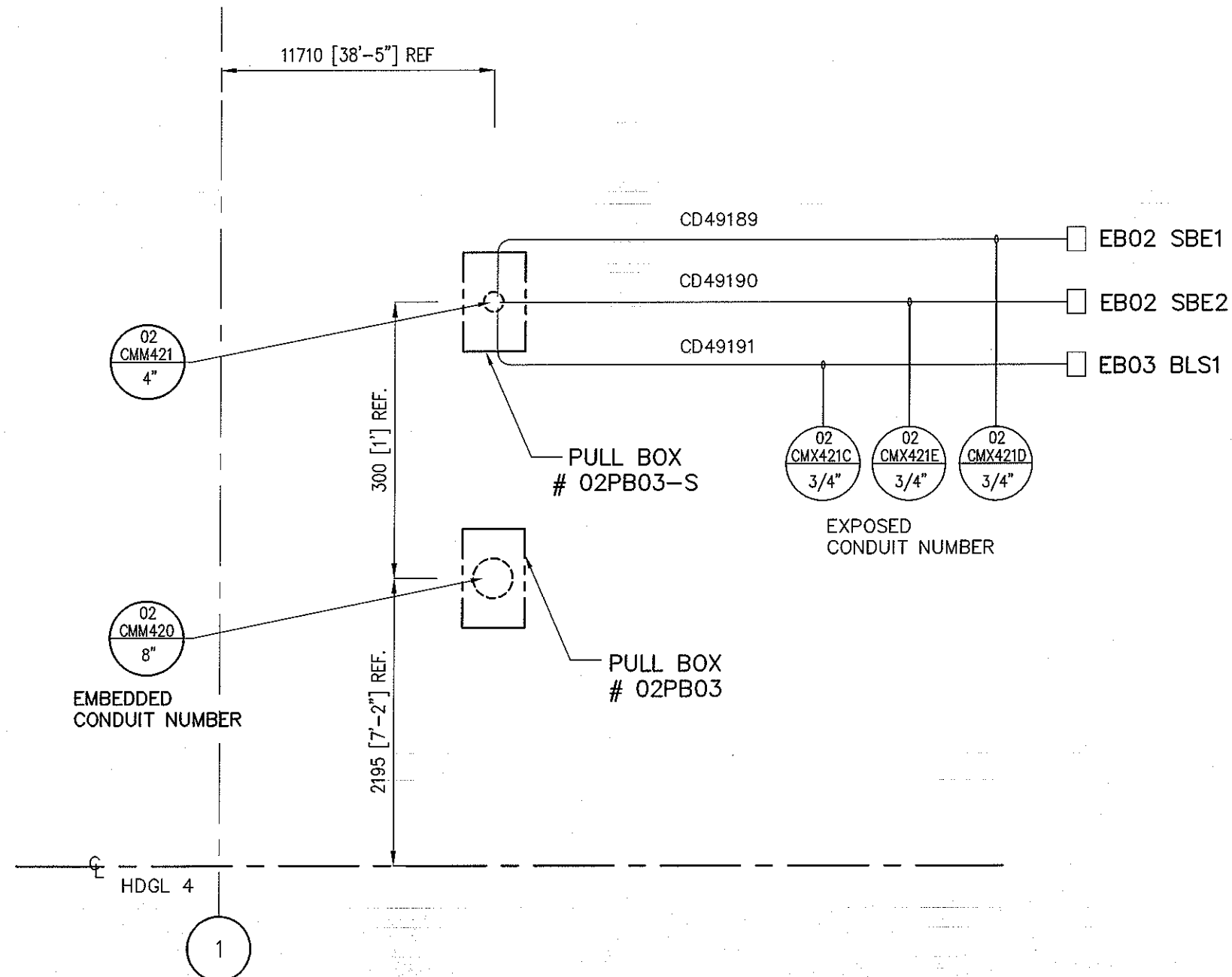
PROJECT No. 03-48-4000-00
DRAWING No. 484000-04-2549ENS


2.27 DEFLECTOR PINCH ROLL No.3

NOTE:

ALL CABLES TO
RIO PANEL
+E01RXXP00.H001

42



		ThyssenKrupp Steel USA	
		Colvert, Alabama HDGL 4	
Revisions NO. DATE DESCRIPTION		Order DATE	Issue DATE
42 03/27/01 PC UPDATED		MAY 15/00	A. GORD
41 03/27/01 PC UPDATED		MAY 15/00	N/A
40 03/27/01 PC UPDATED			
39 03/27/01 PC UPDATED			
38 03/27/01 PC UPDATED			
37 03/27/01 PC UPDATED			
36 03/27/01 PC UPDATED			
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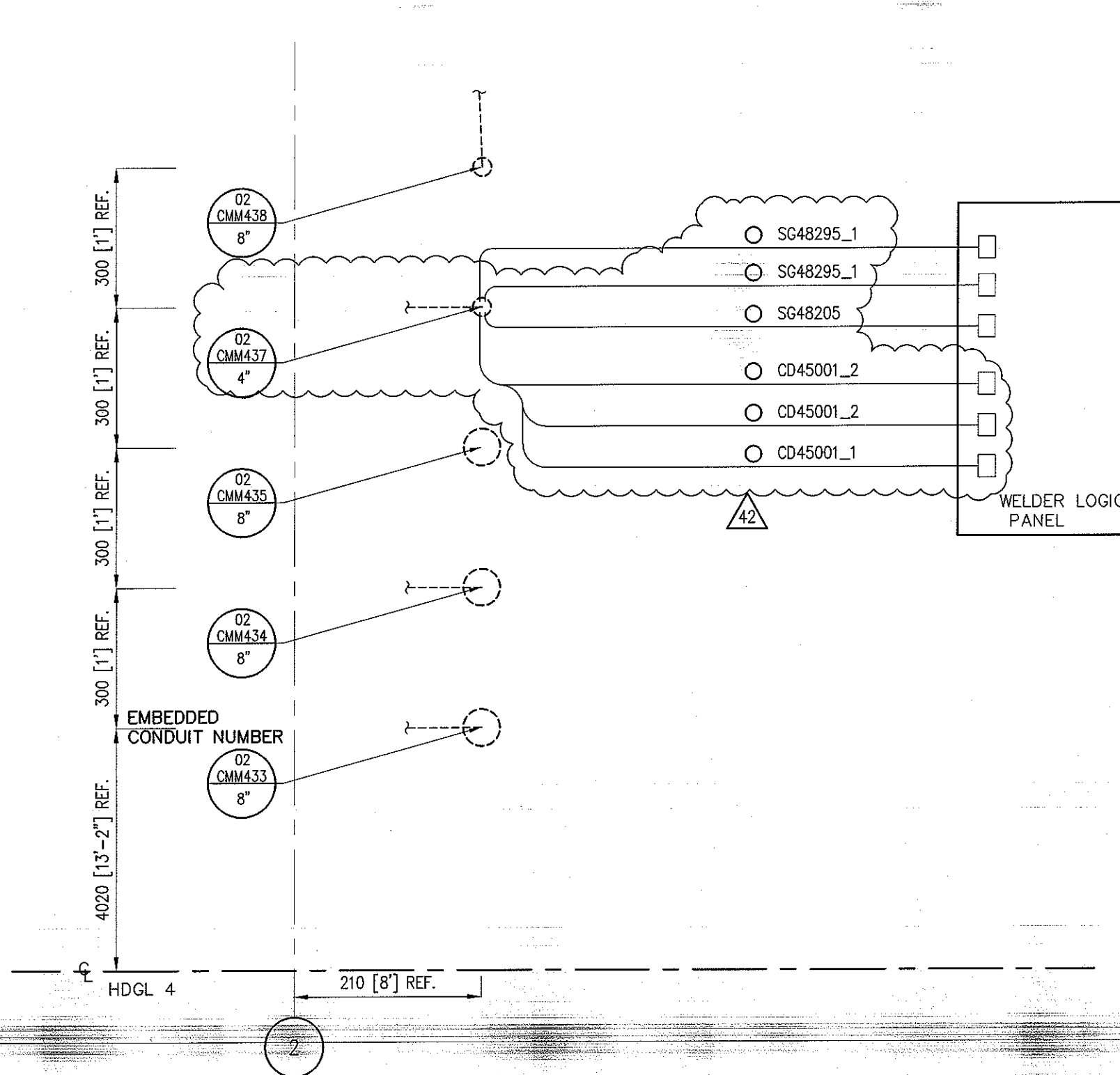
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EXPOSED CONDUIT BLOCK DIAGRAM -- CONTROL CABLES ENTRY SECTION		
CONVERTEAM		427017.4935.KWP-3.42
Converteam Global		427017.4935.KWP-3.42

Order #	Drawn by	Checked by	Approved by
427017.4935.KWP-3.42	427017.4935.KWP-3.42	427017.4935.KWP-3.42	427017.4935.KWP-3.42

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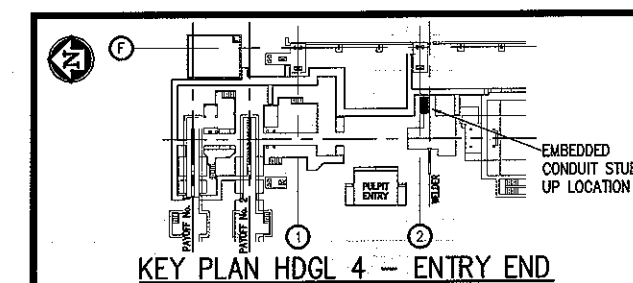
PROJECT No. 03-48-4000-00 DRAWING No. 484000-04-2550ENS



2.28 WELDER

NOTE:

- : TO RIO PANEL
+E01P01P00
- : WELDER MAIN
CONTROL PANEL
+E02RXXP00



ThyssenKrupp Steel USA

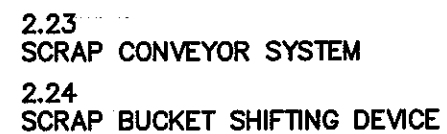
Calvert, Alabama
HDGL 4

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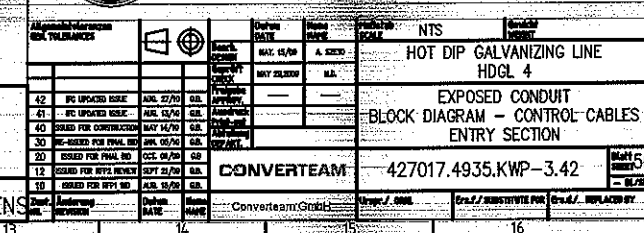
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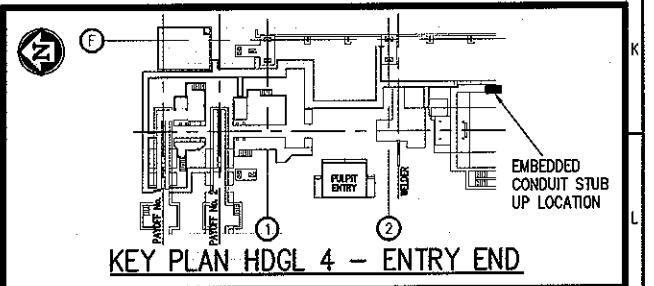
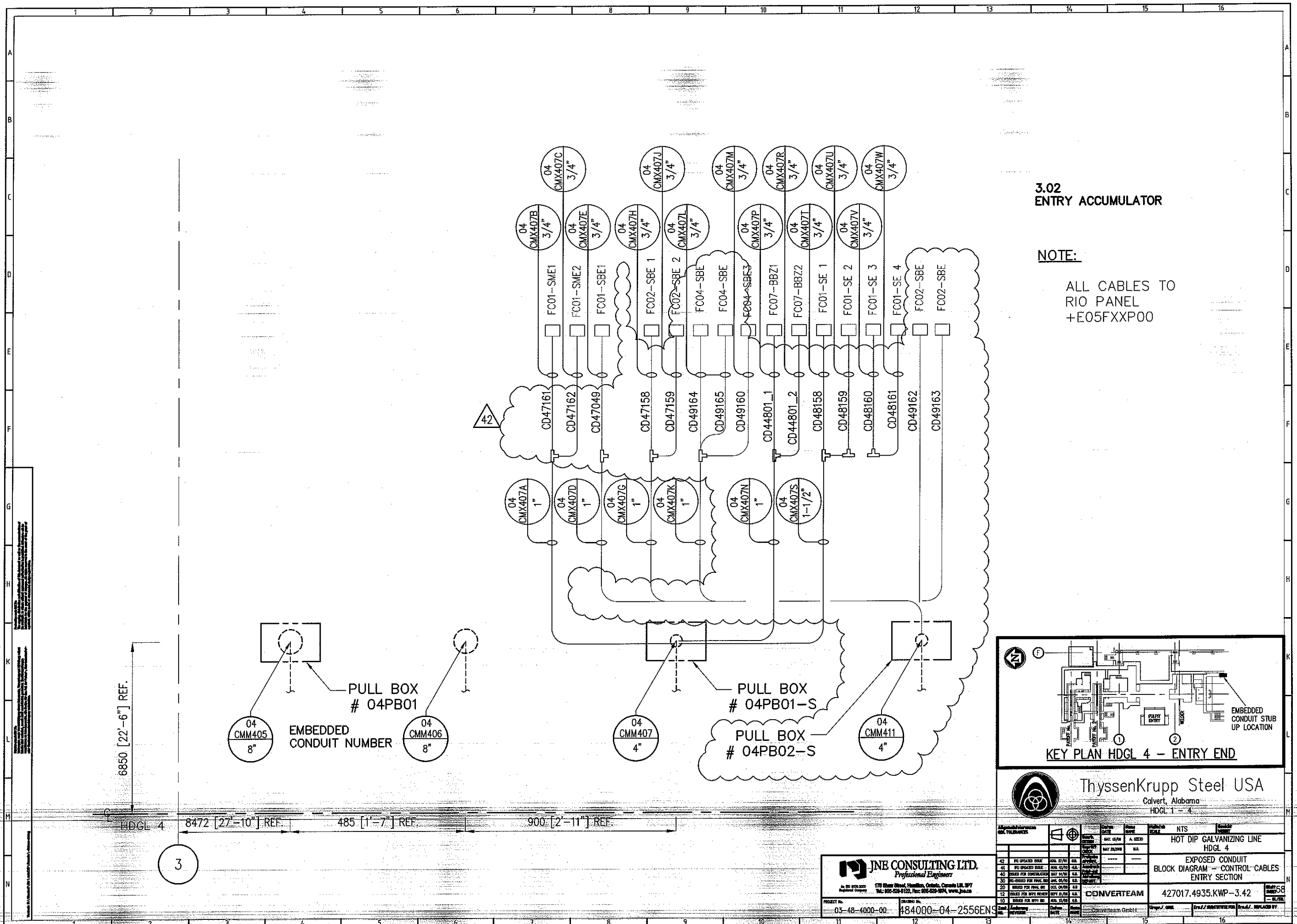
PROJECT No. 03-48-4000-00
DRAWING No. 484000-04-2552ENS

CONVERTEAM
427017.4935.KWP-3.42



ALL CABLES TO
RIO PANEL
+E01RXXP00.H001





ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 1 - 4

42	PC UPDATED DATE	APR 27/00	BY	AS
41	PC UPDATED DATE	APR 15/00	BY	AS
40	PC UPDATED DATE	APR 14/00	BY	AS
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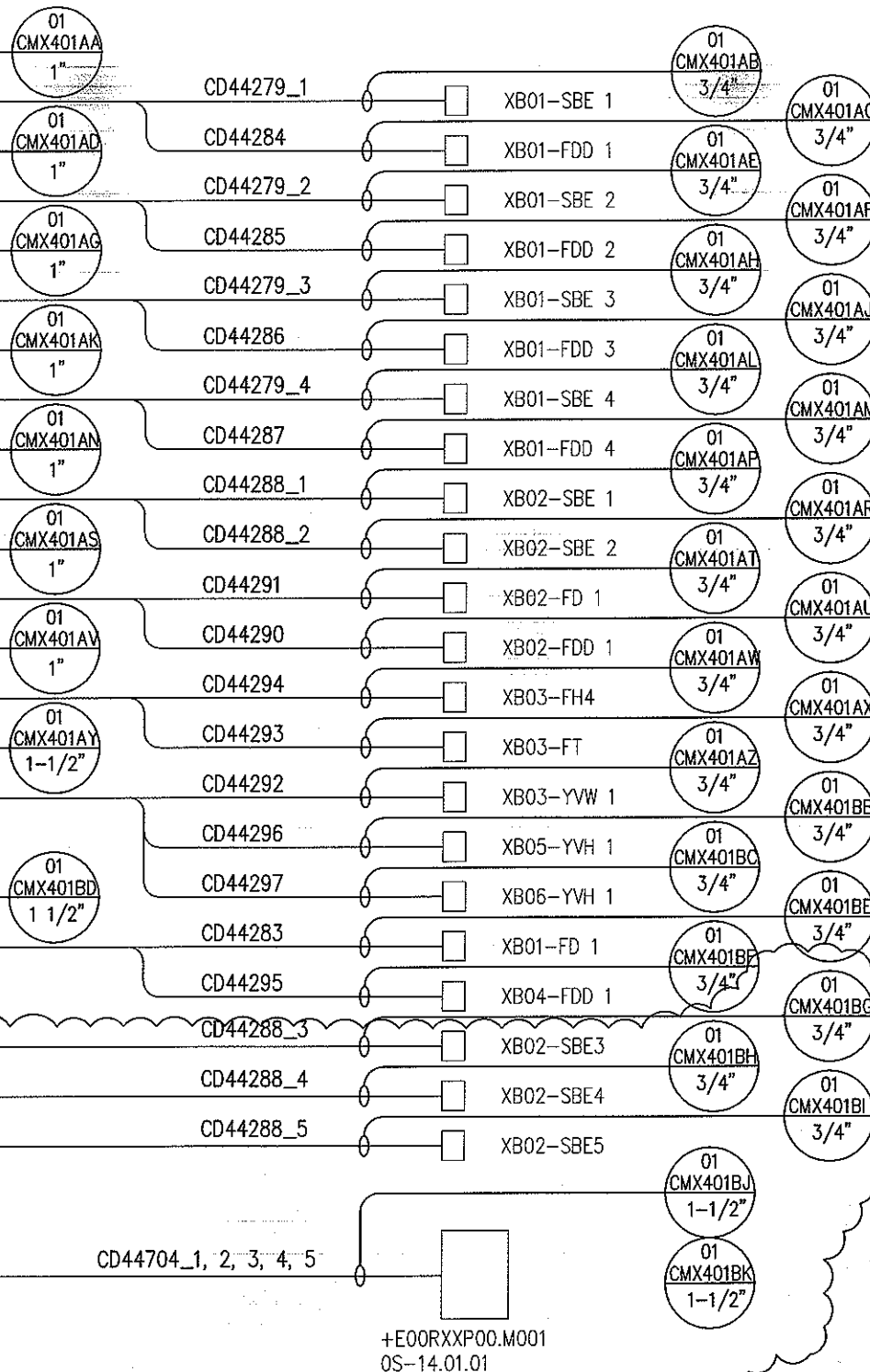
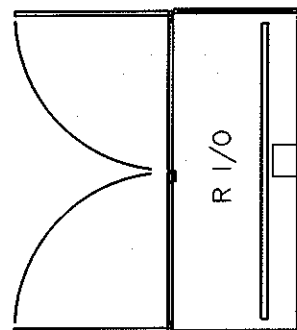
CONVESTEAM
427017.4935.KWP-3.42

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PROJECT NO. 03-48-4000-00 DRAWING NO. 484000-04-2556EN

LOCAL FIELD RUN
CONTROL CABLE TRAY
-304 X 150

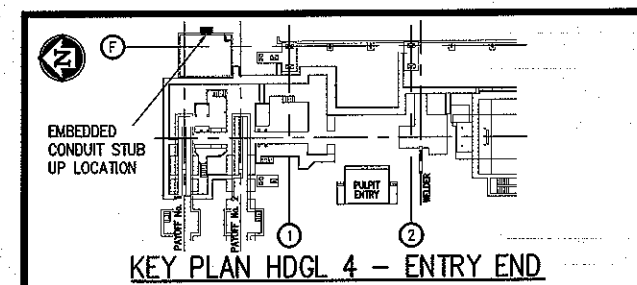
R I/O
+E00RXXP00.H003
EL ±0.00



14.01.01
ENTRY SEC. LP HYDRAULIC
SYS. (CONTROL)

NOTE:

: ALL CABLES TO RIO PANEL
+E00RXXP00



ThyssenKrupp Steel USA

Calvert, Alabama
HDGL 1 - 4

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Professional Engineers

As per 402/2002
Regulated Company 178 Beaver Street, Hamilton, Ontario, Canada L8L 5P7
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PROJECT No. 03-48-4000-00 DRAWING No. 184000-04-2557/ENS

Revisions	DATE	BY	CHKD	APPD	REASON
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41	10/27/00	GA			REVISED FOR CONSTRUCTION
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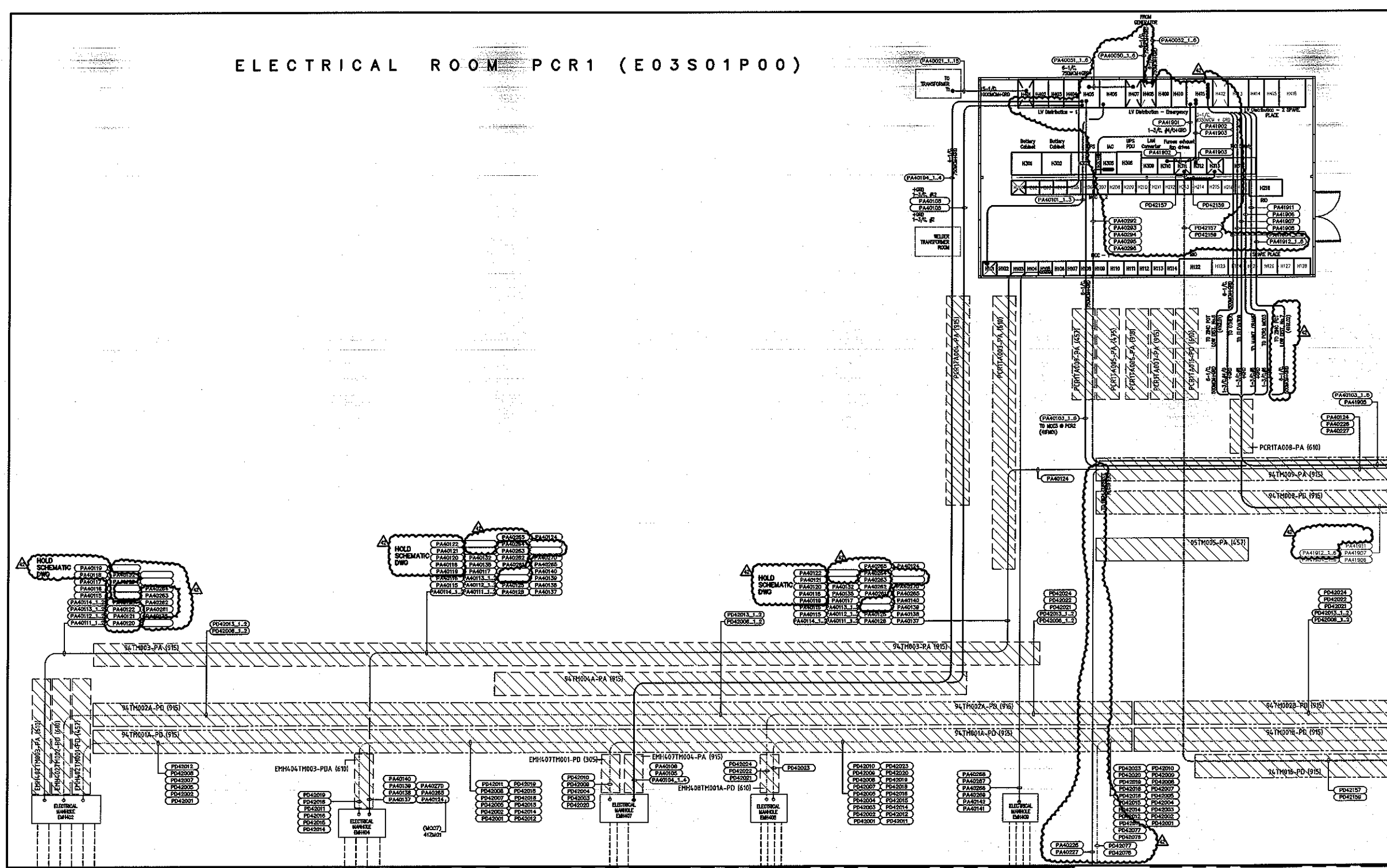
NTS
HOT DIP GALVANIZING LINE
HDGL 4

EXPOSED CONDUIT
BLOCK DIAGRAM - CONTROL CABLES
ENTRY SECTION

427017.4935:KWP-3.42

CONVERTEAM

ELECTRICAL ROOM PCR1 (E03S01P00)



CONT. ON DWG. JNE# 484000-04-2503

CONT. ON DWG. JNE# 484000-04-2504

LEGEND



EMBEDDED CONDUIT NO.

EMBEDDED CONDUIT SIZE (INCHES)

JNE CABLE NUMBER

(SEE CABLE AND CONDUIT SCHEDULE FOR CABLE ID REFERENCE)

ALL CABLES SHALL HAVE CMT CABLE ID AT BOTH END

NOTES

1. REFER TO CABLE TRAY LAYOUT DRAWINGS FOR EXACT DETAIL TRAY LOCATION.
2. REFER TO EMBEDDED CONDUIT LAYOUT DRAWINGS FOR EXACT DETAIL CONDUITS LOCATION.
3. REFER TO CABLE AND CONDUIT SCHEDULES FOR CABLE TYPE AND SPECIFICATION DETAILS
4. REFER TO EQUIPMENT LAYOUT DRAWINGS + MECHANICAL LAYOUT DRAWINGS FOR EXACT EQUIPMENT LOCATION DETAIL



ThyssenKrupp Steel USA

Calvert, Alabama
HDGL 1 - 4

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170 Shaw Street, Hamilton, Ontario, Canada L8E 3P7
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PROJECT No. 03-48-4000-00 DRAWING No. 484000-04-2502

Revised	By	Date	Revised	By	Date
42	PC UPDATED	2008/07/01	43	PC UPDATED	2008/07/01
41	PC UPDATED	2008/07/01	40	PC UPDATED	2008/07/01
39	PC UPDATED	2008/07/01	38	PC UPDATED	2008/07/01
37	PC UPDATED	2008/07/01	36	PC UPDATED	2008/07/01
35	PC UPDATED	2008/07/01	34	PC UPDATED	2008/07/01
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31	PC UPDATED	2008/07/01	30	PC UPDATED	2008/07/01
29	PC UPDATED	2008/07/01	28	PC UPDATED	2008/07/01
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17	PC UPDATED	2008/07/01	16	PC UPDATED	2008/07/01
15	PC UPDATED	2008/07/01	14	PC UPDATED	2008/07/01
13	PC UPDATED	2008/07/01	12	PC UPDATED	2008/07/01
11	PC UPDATED	2008/07/01	10	PC UPDATED	2008/07/01
9	PC UPDATED	2008/07/01	8	PC UPDATED	2008/07/01
7	PC UPDATED	2008/07/01	6	PC UPDATED	2008/07/01
5	PC UPDATED	2008/07/01	4	PC UPDATED	2008/07/01
3	PC UPDATED	2008/07/01	2	PC UPDATED	2008/07/01
1	PC UPDATED	2008/07/01	0	PC UPDATED	2008/07/01

HOT DIP GALVANIZING LINE
HDGL 4

POWER CABLES
BLOCK DIAGRAM
PCR1

427017:4935.KWP=3.42

CONVERTEAM

WELDER PACKAGE UNIT: 
FOR DETAIL POWER AND CONTROL
CABLE BLOCK DIAGRAM,
SEE DRAWING
INF#03-48-4000-04-255BNS

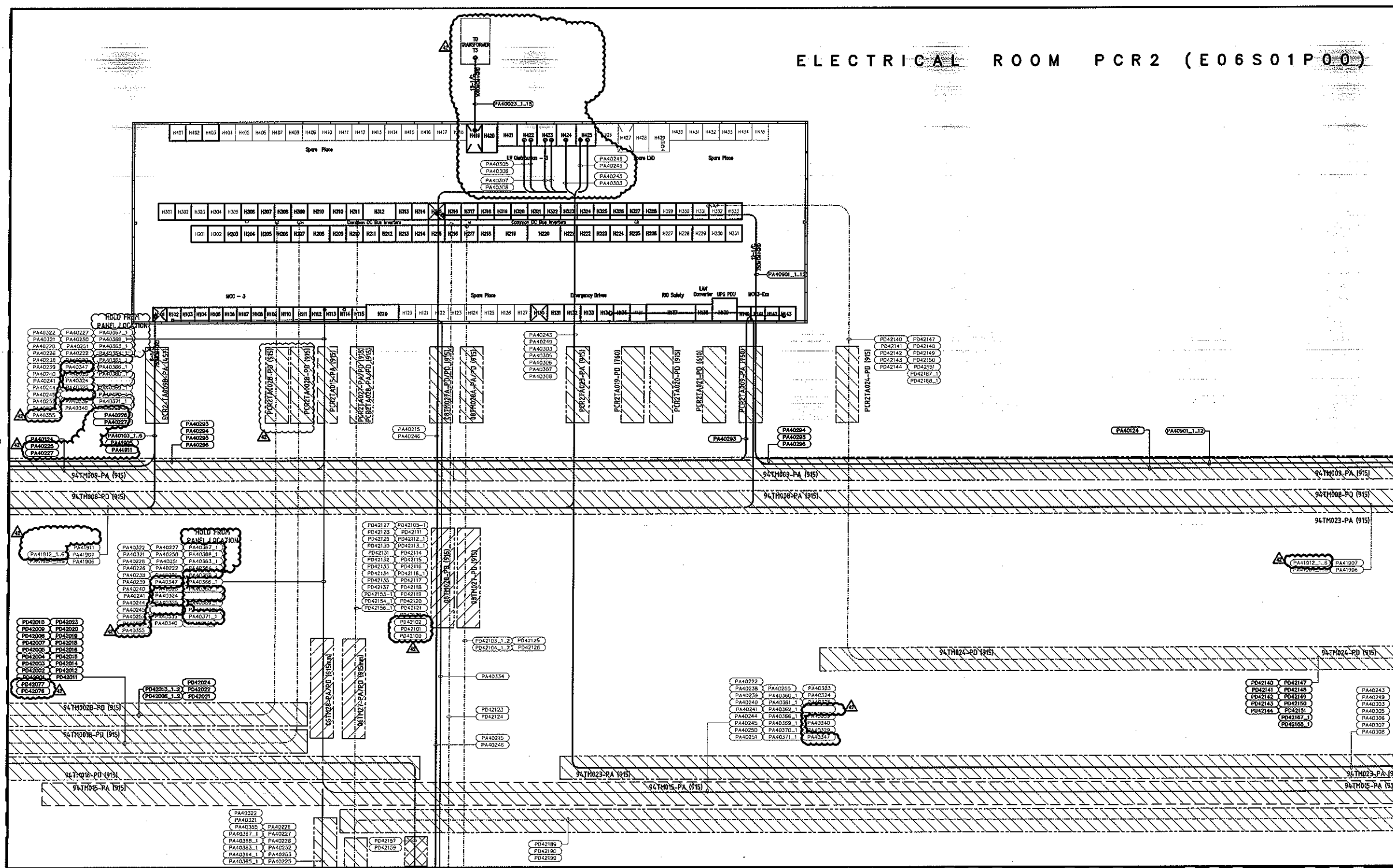
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03-48-4000-03 464000-04-23

ELECTRICAL ROOM PCR2 (E06S01P00)

CONT. ON DWG. JNE# 484000-04-2502

CONT. ON DWG. JNE# 484000-04-2507



CONT. ON DWG. JNE# 484000-04-2504

CONT. ON DWG. JNE# 484000-04-2506

LEGEND

- 01 EMBEDDED CONDUIT NO.
- CMX XXXX EMBEDDED CONDUIT SIZE (INCHES)
- XXXXXX JNE CABLE NUMBER
- (SEE CABLE AND CONDUIT SCHEDULE FOR CMT CABLE ID REFERENCE)
- ALL CABLES SHALL HAVE CMT CABLE ID AT BOTH END

NOTES:

1. REFER TO CABLE TRAY LAYOUT DRAWINGS FOR EXACT DETAIL TRAY LOCATION.
2. REFER TO EMBEDDED CONDUIT LAYOUT DRAWINGS FOR EXACT DETAIL CONDUITS LOCATION.
3. REFER TO CABLE AND CONDUIT SCHEDULES FOR CABLE TYPE AND SPECIFICATION DETAILS.
4. REFER TO EQUIPMENT LAYOUT DRAWINGS + MECHANICAL LAYOUT DRAWINGS FOR EXACT EQUIPMENT LOCATION DETAIL.



ThyssenKrupp Steel USA

Calvert, Alabama
HDGL 1 - 4

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NO.	DESCRIPTION	DATE	BY	CHKD.	APP'D.
42	PC UPDATED ISSUE	APR 27/05	G.S.		
41	PC UPDATED ISSUE	APR 13/05	G.S.		
40	DESIGN FOR CONSTRUCTION	APR 14/05	G.S.		
39	2D - AS-BUILT FOR FINAL	APR 07/05	G.S.		
38	DESIGN FOR FINAL	APR 06/05	G.S.		
37	DESIGN FOR NPPS REVIEW	SEP 21/04	G.S.		
36	DESIGN FOR NPPS REVIEW	APR 16/04	G.S.		

CONVERTEAM

427017.4935.KWP-3.42

Scale: 1/4" = 1'-0"

TR 6 - TR 8 AREA

CONT. ON DWG. JNE# 484000-04-2505

CONT. ON DWG. JNE# 484000-04-2509

CONT. ON DWG. JNE# 484000-04-2508

LEGEND

- 01
CMMXXXX
"X"
EMBEDDED CONDUIT NO.
EMBEDDED CONDUIT SIZE (INCHES)
- PXXXXXX
JNE CABLE NUMBER
(SEE CABLE AND CONDUIT SCHEDULE FOR CMT CABLE ID REFERENCE)
ALL CABLES SHALL HAVE CMT CABLE ID AT BOTH ENDS

NOTES

- REFER TO CABLE TRAY LAYOUT DRAWINGS FOR EXACT DETAIL TRAY LOCATION.
- REFER TO EMBEDDED CONDUIT LAYOUT DRAWINGS FOR EXACT DETAIL CONDUITS LOCATION.
- REFER TO CABLE AND CONDUIT SCHEDULES FOR CABLE TYPE AND SPECIFICATION DETAILS.
- REFER TO EQUIPMENT LAYOUT DRAWINGS + MECHANICAL LAYOUT DRAWINGS FOR EXACT EQUIPMENT LOCATION DETAIL.

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PROJECT NO. 03-48-4000-00 DRAWING NO. 484000-04-2507

ThyssenKrupp Steel USA
Calvert, Alabama
HDGL 1 - 4

Revised	By	Date	Description
45	W. D. W.	08/27/00	REVISED FOR FINAL
44	W. D. W.	08/27/00	REVISED FOR FINAL
43	W. D. W.	08/27/00	REVISED FOR FINAL
42	W. D. W.	08/27/00	REVISED FOR FINAL
41	W. D. W.	08/27/00	REVISED FOR FINAL
40	W. D. W.	08/27/00	REVISED FOR FINAL
39	W. D. W.	08/27/00	REVISED FOR FINAL
38	W. D. W.	08/27/00	REVISED FOR FINAL
37	W. D. W.	08/27/00	REVISED FOR FINAL
36	W. D. W.	08/27/00	REVISED FOR FINAL
35	W. D. W.	08/27/00	REVISED FOR FINAL
34	W. D. W.	08/27/00	REVISED FOR FINAL
33	W. D. W.	08/27/00	REVISED FOR FINAL
32	W. D. W.	08/27/00	REVISED FOR FINAL
31	W. D. W.	08/27/00	REVISED FOR FINAL
30	W. D. W.	08/27/00	REVISED FOR FINAL
29	W. D. W.	08/27/00	REVISED FOR FINAL
28	W. D. W.	08/27/00	REVISED FOR FINAL
27	W. D. W.	08/27/00	REVISED FOR FINAL
26	W. D. W.	08/27/00	REVISED FOR FINAL
25	W. D. W.	08/27/00	REVISED FOR FINAL
24	W. D. W.	08/27/00	REVISED FOR FINAL
23	W. D. W.	08/27/00	REVISED FOR FINAL
22	W. D. W.	08/27/00	REVISED FOR FINAL
21	W. D. W.	08/27/00	REVISED FOR FINAL
20	W. D. W.	08/27/00	REVISED FOR FINAL
19	W. D. W.	08/27/00	REVISED FOR FINAL
18	W. D. W.	08/27/00	REVISED FOR FINAL
17	W. D. W.	08/27/00	REVISED FOR FINAL
16	W. D. W.	08/27/00	REVISED FOR FINAL
15	W. D. W.	08/27/00	REVISED FOR FINAL
14	W. D. W.	08/27/00	REVISED FOR FINAL
13	W. D. W.	08/27/00	REVISED FOR FINAL
12	W. D. W.	08/27/00	REVISED FOR FINAL
11	W. D. W.	08/27/00	REVISED FOR FINAL
10	W. D. W.	08/27/00	REVISED FOR FINAL
9	W. D. W.	08/27/00	REVISED FOR FINAL
8	W. D. W.	08/27/00	REVISED FOR FINAL
7	W. D. W.	08/27/00	REVISED FOR FINAL
6	W. D. W.	08/27/00	REVISED FOR FINAL
5	W. D. W.	08/27/00	REVISED FOR FINAL
4	W. D. W.	08/27/00	REVISED FOR FINAL
3	W. D. W.	08/27/00	REVISED FOR FINAL
2	W. D. W.	08/27/00	REVISED FOR FINAL
1	W. D. W.	08/27/00	REVISED FOR FINAL

CONVERTEAM 427017.4935.KWP-3.42

TO TRANSFORMER T10

H401 H402 H403 H404 H405 H406 H407 H408 H409 H410 H411 H412

LV Distribution - 1 LV Distribution - Emergency LV Distribution - 2 SPARE PLACE

Battery Cabinet UPS IAC LAN Converter Furnace exhaust fan drive NO Safety

H301 H302 H303 H304 H305 H306 H309 H310 H311 H312 H314

H201 H202 H203 H204 H205 H206 H207 H208 H209 H210 H211 H212 H213 H214 H215 H216 H217 H218


MCC - 2 MCC - 1 SPARE PLACE

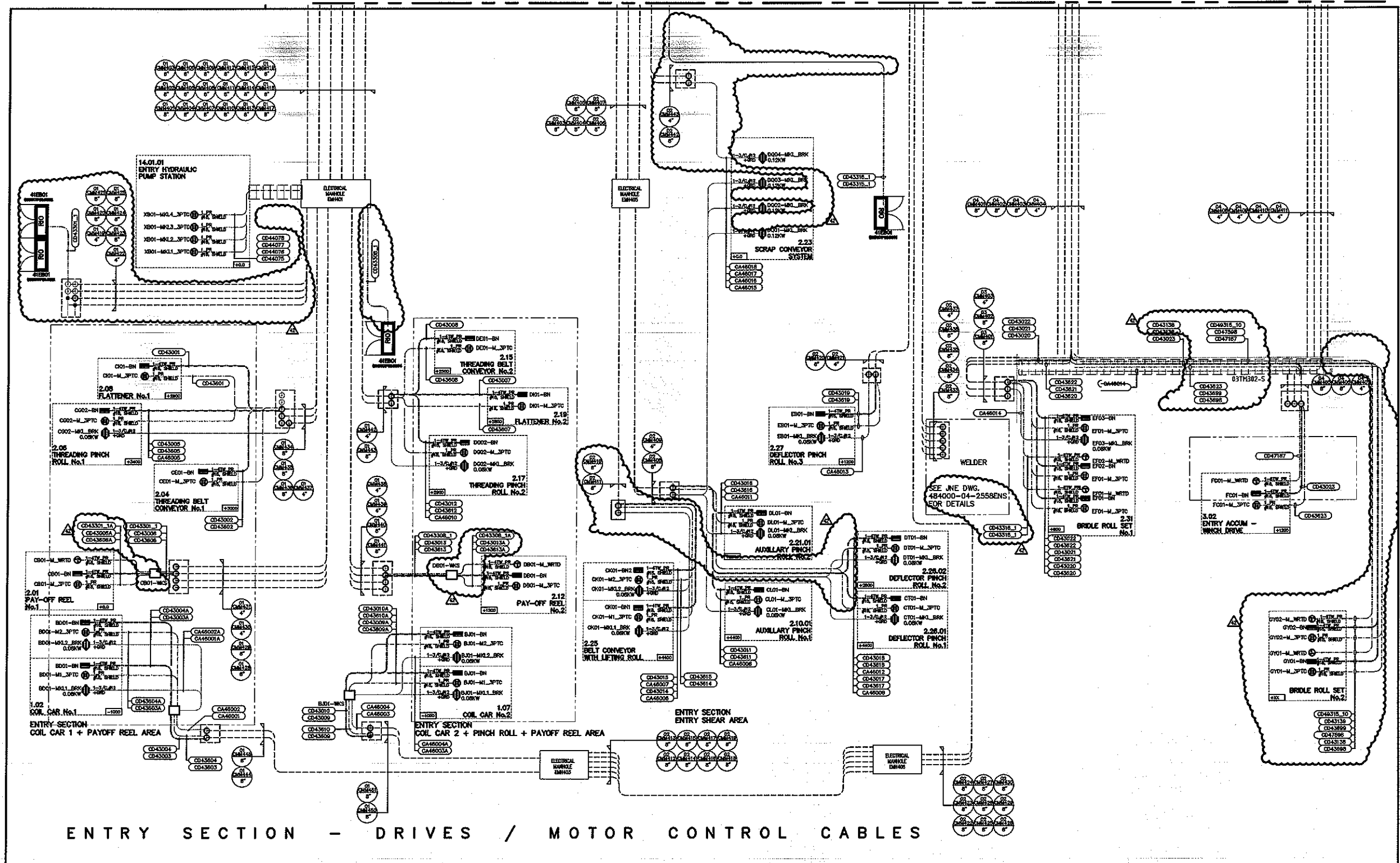
TO TRANSFORMER T10

CONT. ON DWG. JNE# 484000-04-2524

JNE CABLE NUMBER
(SEE CABLE AND CONDUIT SCHEDULE FOR CVT CABLE ID REFERENCE
ALL CABLES SHALL HAVE CVT CABLE ID AT BOTH END

1. REFER TO CABLE TRAY LAYOUT DRAWINGS FOR EXACT DETAIL TRAY LOCATION.
2. REFER TO EMBEDDED CONDUIT LAYOUT DRAWINGS FOR EXACT DETAIL CONDUITS LOCATION.
3. REFER TO CABLE AND CONDUIT SCHEDULES FOR CABLE TYPE AND SPECIFICATION DETAILS
4. REFER TO EQUIPMENT LAYOUT DRAWINGS + MECHANICAL LAYOUT DRAWINGS FOR EXACT EQUIPMENT LOCATION DETAIL.

1. As indicated on drawing 2. As indicated on drawing			3. As indicated on drawing 4. As indicated on drawing	5. DATE 6. TIME	7. DATE 8. TIME	9. DATE 10. TIME	11. DATE 12. TIME	13. DATE 14. TIME	15. DATE 16. TIME	17. DATE 18. TIME	19. DATE 20. TIME	21. DATE 22. TIME	23. DATE 24. TIME	25. DATE 26. TIME	27. DATE 28. TIME	29. DATE 30. TIME	31. DATE 32. TIME	33. DATE 34. TIME	35. DATE 36. TIME	37. DATE 38. TIME	39. DATE 40. TIME	41. DATE 42. TIME	43. DATE 44. TIME	45. DATE 46. TIME	47. DATE 48. TIME	49. DATE 50. TIME	51. DATE 52. TIME	53. DATE 54. TIME	55. DATE 56. TIME	57. DATE 58. TIME	59. DATE 60. TIME	61. DATE 62. TIME	63. DATE 64. TIME	65. DATE 66. TIME	67. DATE 68. TIME	69. DATE 70. TIME	71. DATE 72. TIME	73. DATE 74. TIME	75. DATE 76. TIME	77. DATE 78. TIME	79. DATE 80. TIME	81. DATE 82. TIME	83. DATE 84. TIME	85. DATE 86. TIME	87. DATE 88. TIME	89. DATE 90. TIME	91. DATE 92. TIME	93. DATE 94. TIME	95. DATE 96. TIME	97. DATE 98. TIME	99. DATE 100. TIME	101. DATE 102. TIME	103. DATE 104. TIME	105. DATE 106. TIME	107. DATE 108. TIME	109. DATE 110. TIME	111. DATE 112. TIME	113. DATE 114. TIME	115. DATE 116. TIME	117. DATE 118. TIME	119. DATE 120. TIME	121. DATE 122. TIME	123. DATE 124. TIME	125. DATE 126. TIME	127. DATE 128. TIME	129. DATE 130. TIME	131. DATE 132. TIME	133. DATE 134. TIME	135. DATE 136. TIME	137. DATE 138. TIME	139. DATE 140. TIME	141. DATE 142. TIME	143. DATE 144. TIME	145. DATE 146. TIME	147. DATE 148. TIME	149. DATE 150. TIME	151. DATE 152. TIME	153. DATE 154. TIME	155. DATE 156. TIME	157. DATE 158. TIME	159. DATE 160. TIME	161. DATE 162. TIME	163. DATE 164. TIME	165. DATE 166. TIME	167. DATE 168. TIME	169. DATE 170. TIME	171. DATE 172. TIME	173. DATE 174. TIME	175. DATE 176. TIME	177. DATE 178. TIME	179. DATE 180. TIME	181. DATE 182. TIME	183. DATE 184. TIME	185. DATE 186. TIME	187. DATE 188. TIME	189. DATE 190. TIME	191. DATE 192. TIME	193. DATE 194. TIME	195. DATE 196. TIME	197. DATE 198. TIME	199. DATE 200. TIME	201. DATE 202. TIME	203. DATE 204. TIME	205. DATE 206. TIME	207. DATE 208. TIME	209. DATE 210. TIME	211. DATE 212. TIME	213. DATE 214. TIME	215. DATE 216. TIME	217. DATE 218. TIME	219. DATE 220. TIME	221. DATE 222. TIME	223. DATE 224. TIME
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ENTRY SECTION - DRIVES / MOTOR CONTROL CABLES

LEGEND

- 01 EMBEDDED CONDUIT NO.
- CMXXXXX EMBEDDED CONDUIT SIZE (INCHES)
- XXXXXXX JNE CABLE NUMBER
(SEE CABLE AND CONDUIT SCHEDULE FOR CABLE ID REFERENCE)
- ALL CABLES SHALL HAVE CMT CABLE ID AT BOTH END

NOTES:

1. REFER TO CABLE TRAY LAYOUT DRAWINGS FOR EXACT DETAIL TRAY LOCATION.
2. REFER TO EMBEDDED CONDUIT LAYOUT DRAWINGS FOR EXACT DETAIL CONDUITS LOCATION.
3. REFER TO CABLE AND CONDUIT SCHEDULES FOR CABLE TYPE AND SPECIFICATION DETAILS.
4. REFER TO EQUIPMENT LAYOUT DRAWINGS + MECHANICAL LAYOUT DRAWINGS FOR EXACT EQUIPMENT LOCATION DETAIL.



ThyssenKrupp Steel USA

Calvert, Alabama
HDGL 1 - 4



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PROJECT No. 03-48-4000-00 DRAWING No. 484000-04-2522

Revised	By	Date	Revised	By	Date
42	PG UPONED ISSUE	APR 27/00	43	PG UPONED ISSUE	APR 27/00
41	PG UPONED ISSUE	APR 13/00	40	PG UPONED ISSUE	APR 13/00
40	PG UPONED ISSUE	APR 13/00	39	PG UPONED ISSUE	APR 13/00
39	PG UPONED ISSUE	APR 13/00	38	PG UPONED ISSUE	APR 13/00
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37	PG UPONED ISSUE	APR 13/00	36	PG UPONED ISSUE	APR 13/00
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8	PG UPONED ISSUE	APR 13/00	7	PG UPONED ISSUE	APR 13/00
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3	PG UPONED ISSUE	APR 13/00	2	PG UPONED ISSUE	APR 13/00
2	PG UPONED ISSUE	APR 13/00	1	PG UPONED ISSUE	APR 13/00

NTS
HOT DIP GALVANIZING LINE
HDGL 4
DRIVE CONTROL CABLES
BLOCK DIAGRAM
ENTRY SECTION
427017.4935.KWP-3.42
CONVERTEAM
484000-04-2522

ELECTRICAL ROOM PCR2 (E06S01P00)

CONT. ON DWG. JNE# 484000-04-2522

CONT. ON DWG. JNE# 484000-04-2527

CONT. ON DWG. JNE# 484000-04-2524

CONT. ON DWG. JNE# 484000-04-2526

- LEGEND
- 01 EMBEDDED CONDUIT NO.
 - 01 EMBEDDED CONDUIT SIZE (INCHES)
 - PXXXXX JNE CABLE NUMBER
 - (SEE CABLE AND CONDUIT SCHEDULE FOR CMT CABLE ID REFERENCE)
 - ALL CABLES SHALL HAVE CMT CABLE ID AT BOTH END
- NOTES
- REFER TO CABLE TRAY LAYOUT DRAWINGS FOR EXACT DETAIL TRAY LOCATION.
 - REFER TO EMBEDDED CONDUIT LAYOUT DRAWINGS FOR EXACT DETAIL CONDUITS LOCATION.
 - REFER TO CABLE AND CONDUIT SCHEDULES FOR CABLE TYPE AND SPECIFICATION DETAILS.
 - REFER TO EQUIPMENT LAYOUT DRAWINGS + MECHANICAL LAYOUT DRAWINGS FOR EXACT EQUIPMENT LOCATION DETAIL.

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PROJECT No. 03-48-4000-00 DRAWING No. 484000-04-2525

ThyssenKrupp Steel USA

Calvert, Alabama

HDGL 1 - 4

DATE	BY	CHKD	APP'D	REVISION
03/15/00	03/15/00	03/15/00	03/15/00	03/15/00

NTS
HOT DIP GALVANIZING LINE
HDGL 4

DRIVE CONTROL CABLES
BLOCK DIAGRAM
PCR2

427017.4935.KWP-3.42

CONVERTEAM

427017.4935.KWP-3.42