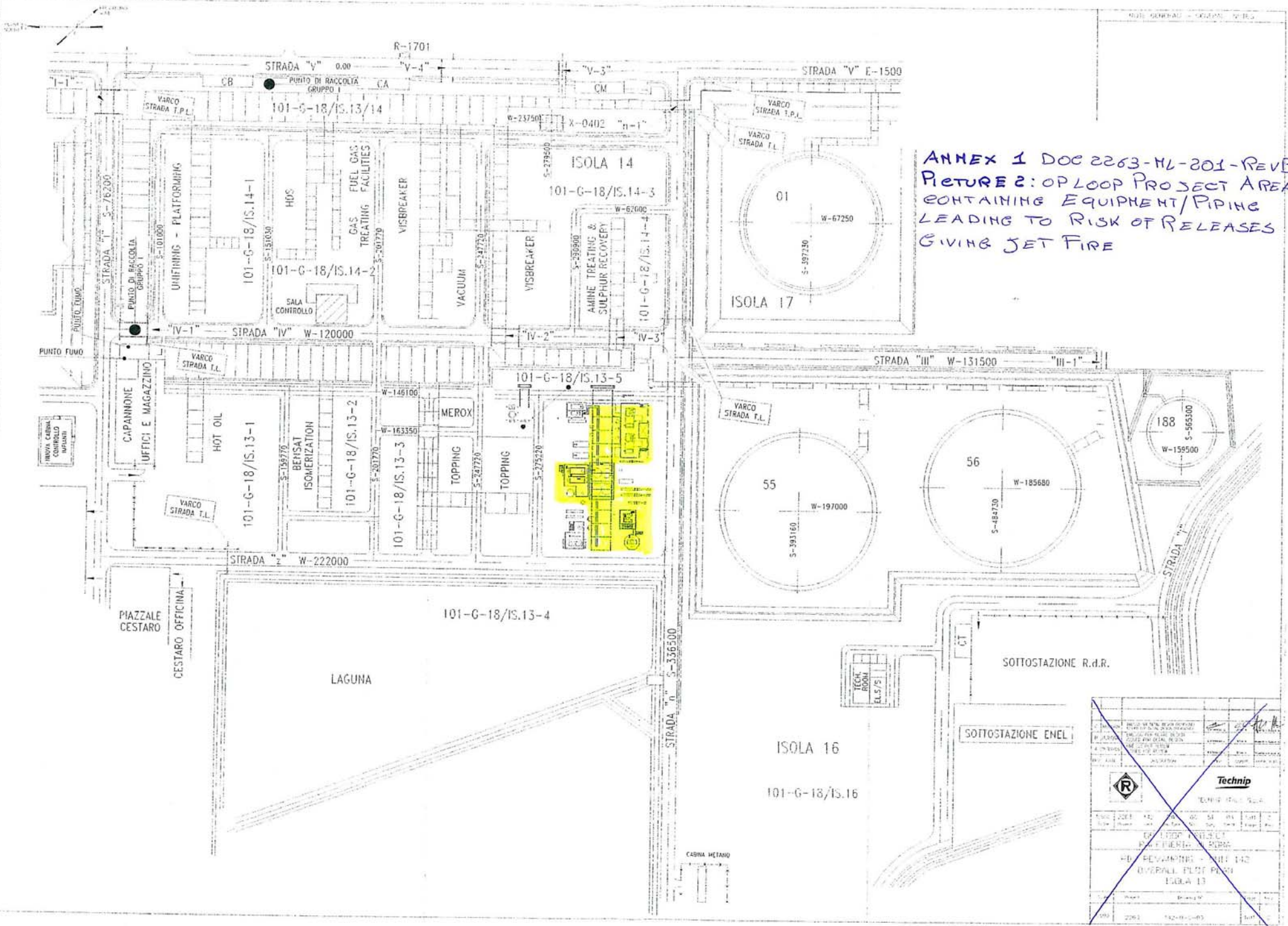


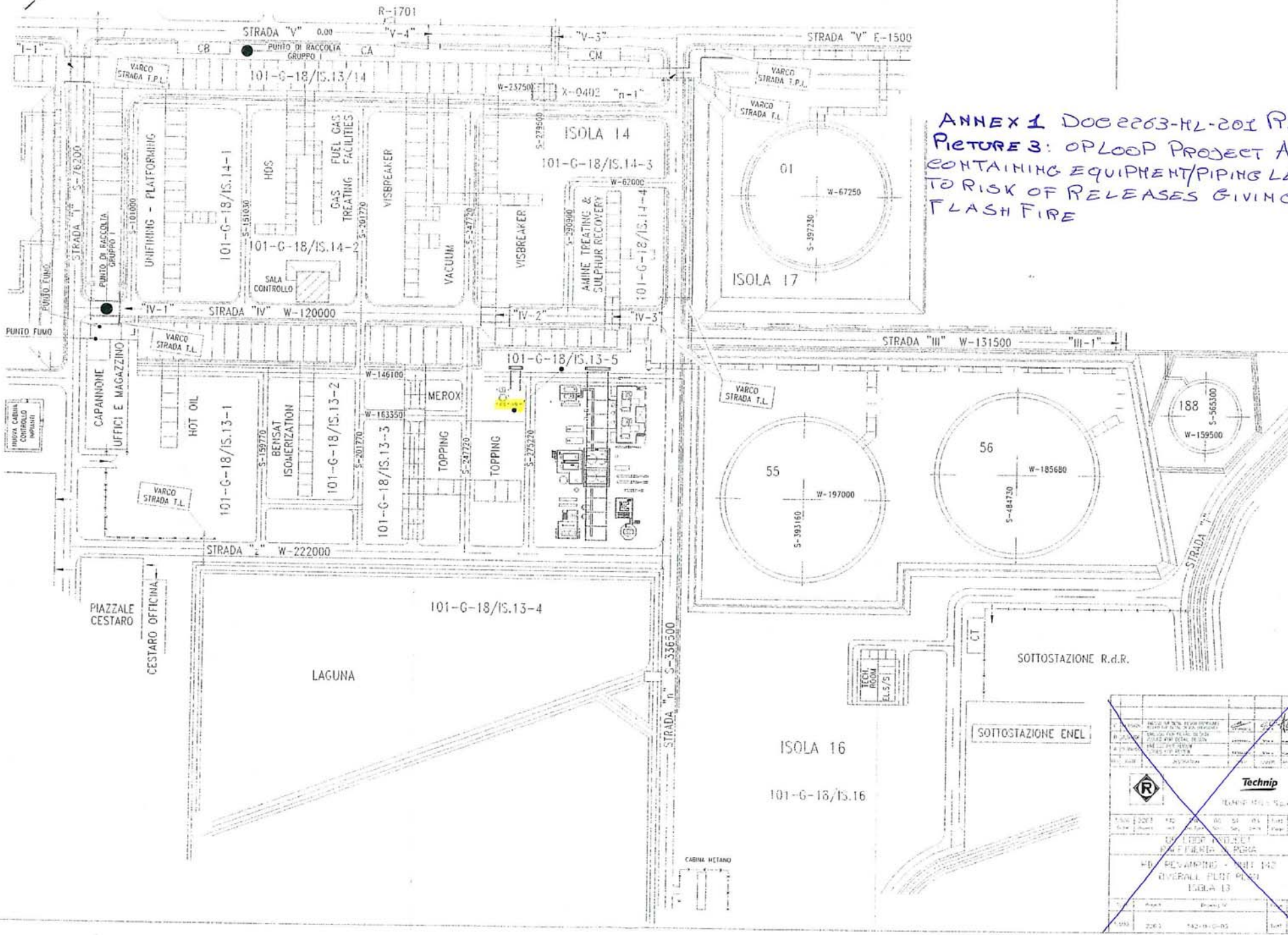
ANNEX 1 DOC 2263-ML-201 REV B
 PICTURE 1: OP LOOP PROJECT AREAS
 CONTAINING EQUIPMENT/PIPING
 LEADING TO RISK OF RELEASES
 GIVING POOL FIRE

ENSEI 15/1/2004			
NOME DESCRIZIONE DATA AUTORE REVISORE	DATA AUTORE REVISORE	DATA AUTORE REVISORE	DATA AUTORE REVISORE
HD PREVALENZA UNIT 142 GENERALI FLUIDI PLANT ISOLA 13			
Foglio 2263	Foglio 142-B-0-005	Foglio 142-B-0-005	Foglio 142-B-0-005



ANNEX 1 DOC 2263-MI-201-REV B
 PICTURE 2: OP LOOP PROJECT AREAS
 CONTAINING EQUIPMENT/PIPING
 LEADING TO RISK OF RELEASES
 GIVING JET FIRE

		Technip <small>TECHNIP ITALIA S.p.A.</small>	
<small>PROGETTO</small> <small>PROGETTO</small>	<small>PROGETTO</small> <small>PROGETTO</small>	<small>PROGETTO</small> <small>PROGETTO</small>	<small>PROGETTO</small> <small>PROGETTO</small>
OVERALL PLOT PLAN ISOLA 13			



ANNEX 1 DOC 2263-ML-201 REV B
 PICTURE 3: OLOOP PROJECT AREAS
 CONTAINING EQUIPMENT/PIPING LEADING
 TO RISK OF RELEASES GIVING
 FLASH FIRE

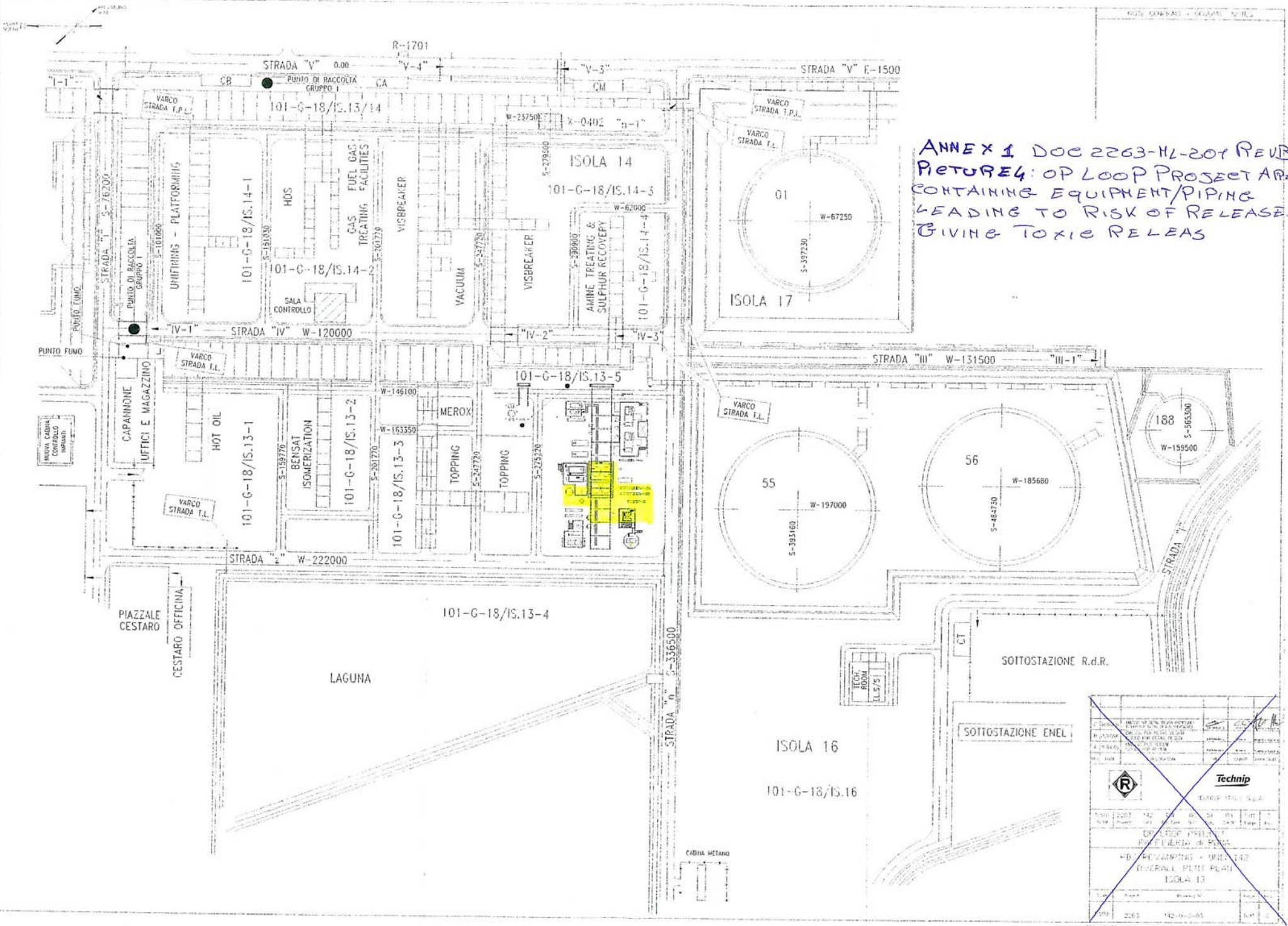
REVISIONI		AUTORE		VERIFICATORE	
NO.	DATA	NO.	DATA	NO.	DATA
1					
2					
3					
4					
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6					
7					
8					
9					
10					

Technip

TECHNIP 1910 - 1911

CHIEF PROJECT
 PROJECT MANAGER

REVAMPING - UNIT 142
 OVERALL FLUID HEAD
 ISOLA 13



ANNEX 1 DOC 2263-HI-201 REV B
 PICTURE 4: OP LOOP PROJECT AREAS
 CONTAINING EQUIPMENT/PIPING
 LEADING TO RISK OF RELEASES
 GIVING TOXIC RELEASES

SOTTOSTAZIONE EMEL	
SOTTOSTAZIONE R.d.R.	
ISOLA 16 101-G-18/IS.16	
ISOLA 17 101-G-18/IS.17-3	
ISOLA 14 101-G-18/IS.14-3	
ISOLA 13-5 101-G-18/IS.13-5	
ISOLA 13-2 101-G-18/IS.13-2	
ISOLA 13-1 101-G-18/IS.13-1	
ISOLA 13-4 101-G-18/IS.13-4	
ISOLA 13-3 101-G-18/IS.13-3	
ISOLA 13-1 101-G-18/IS.13-1	
ISOLA 13-2 101-G-18/IS.13-2	
ISOLA 13-3 101-G-18/IS.13-3	
ISOLA 13-4 101-G-18/IS.13-4	
ISOLA 13-5 101-G-18/IS.13-5	
ISOLA 14 101-G-18/IS.14-3	
ISOLA 17 101-G-18/IS.17-3	
ISOLA 17 101-G-18/IS.17-4	
ISOLA 17 101-G-18/IS.17-5	
ISOLA 17 101-G-18/IS.17-6	
ISOLA 17 101-G-18/IS.17-7	
ISOLA 17 101-G-18/IS.17-8	
ISOLA 17 101-G-18/IS.17-9	
ISOLA 17 101-G-18/IS.17-10	
ISOLA 17 101-G-18/IS.17-11	
ISOLA 17 101-G-18/IS.17-12	
ISOLA 17 101-G-18/IS.17-13	
ISOLA 17 101-G-18/IS.17-14	
ISOLA 17 101-G-18/IS.17-15	
ISOLA 17 101-G-18/IS.17-16	
ISOLA 17 101-G-18/IS.17-17	
ISOLA 17 101-G-18/IS.17-18	
ISOLA 17 101-G-18/IS.17-19	
ISOLA 17 101-G-18/IS.17-20	
ISOLA 17 101-G-18/IS.17-21	
ISOLA 17 101-G-18/IS.17-22	
ISOLA 17 101-G-18/IS.17-23	
ISOLA 17 101-G-18/IS.17-24	
ISOLA 17 101-G-18/IS.17-25	
ISOLA 17 101-G-18/IS.17-26	
ISOLA 17 101-G-18/IS.17-27	
ISOLA 17 101-G-18/IS.17-28	
ISOLA 17 101-G-18/IS.17-29	
ISOLA 17 101-G-18/IS.17-30	
ISOLA 17 101-G-18/IS.17-31	
ISOLA 17 101-G-18/IS.17-32	
ISOLA 17 101-G-18/IS.17-33	
ISOLA 17 101-G-18/IS.17-34	
ISOLA 17 101-G-18/IS.17-35	
ISOLA 17 101-G-18/IS.17-36	
ISOLA 17 101-G-18/IS.17-37	
ISOLA 17 101-G-18/IS.17-38	
ISOLA 17 101-G-18/IS.17-39	
ISOLA 17 101-G-18/IS.17-40	
ISOLA 17 101-G-18/IS.17-41	
ISOLA 17 101-G-18/IS.17-42	
ISOLA 17 101-G-18/IS.17-43	
ISOLA 17 101-G-18/IS.17-44	
ISOLA 17 101-G-18/IS.17-45	
ISOLA 17 101-G-18/IS.17-46	
ISOLA 17 101-G-18/IS.17-47	
ISOLA 17 101-G-18/IS.17-48	
ISOLA 17 101-G-18/IS.17-49	
ISOLA 17 101-G-18/IS.17-50	
ISOLA 17 101-G-18/IS.17-51	
ISOLA 17 101-G-18/IS.17-52	
ISOLA 17 101-G-18/IS.17-53	
ISOLA 17 101-G-18/IS.17-54	
ISOLA 17 101-G-18/IS.17-55	
ISOLA 17 101-G-18/IS.17-56	
ISOLA 17 101-G-18/IS.17-57	
ISOLA 17 101-G-18/IS.17-58	
ISOLA 17 101-G-18/IS.17-59	
ISOLA 17 101-G-18/IS.17-60	
ISOLA 17 101-G-18/IS.17-61	
ISOLA 17 101-G-18/IS.17-62	
ISOLA 17 101-G-18/IS.17-63	
ISOLA 17 101-G-18/IS.17-64	
ISOLA 17 101-G-18/IS.17-65	
ISOLA 17 101-G-18/IS.17-66	
ISOLA 17 101-G-18/IS.17-67	
ISOLA 17 101-G-18/IS.17-68	
ISOLA 17 101-G-18/IS.17-69	
ISOLA 17 101-G-18/IS.17-70	
ISOLA 17 101-G-18/IS.17-71	
ISOLA 17 101-G-18/IS.17-72	
ISOLA 17 101-G-18/IS.17-73	
ISOLA 17 101-G-18/IS.17-74	
ISOLA 17 101-G-18/IS.17-75	
ISOLA 17 101-G-18/IS.17-76	
ISOLA 17 101-G-18/IS.17-77	
ISOLA 17 101-G-18/IS.17-78	
ISOLA 17 101-G-18/IS.17-79	
ISOLA 17 101-G-18/IS.17-80	
ISOLA 17 101-G-18/IS.17-81	
ISOLA 17 101-G-18/IS.17-82	
ISOLA 17 101-G-18/IS.17-83	
ISOLA 17 101-G-18/IS.17-84	
ISOLA 17 101-G-18/IS.17-85	
ISOLA 17 101-G-18/IS.17-86	
ISOLA 17 101-G-18/IS.17-87	
ISOLA 17 101-G-18/IS.17-88	
ISOLA 17 101-G-18/IS.17-89	
ISOLA 17 101-G-18/IS.17-90	
ISOLA 17 101-G-18/IS.17-91	
ISOLA 17 101-G-18/IS.17-92	
ISOLA 17 101-G-18/IS.17-93	
ISOLA 17 101-G-18/IS.17-94	
ISOLA 17 101-G-18/IS.17-95	
ISOLA 17 101-G-18/IS.17-96	
ISOLA 17 101-G-18/IS.17-97	
ISOLA 17 101-G-18/IS.17-98	
ISOLA 17 101-G-18/IS.17-99	
ISOLA 17 101-G-18/IS.17-100	



**OP LOOP PROJECT
RAFFINERIA DI ROMA**

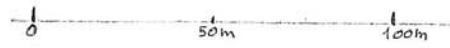
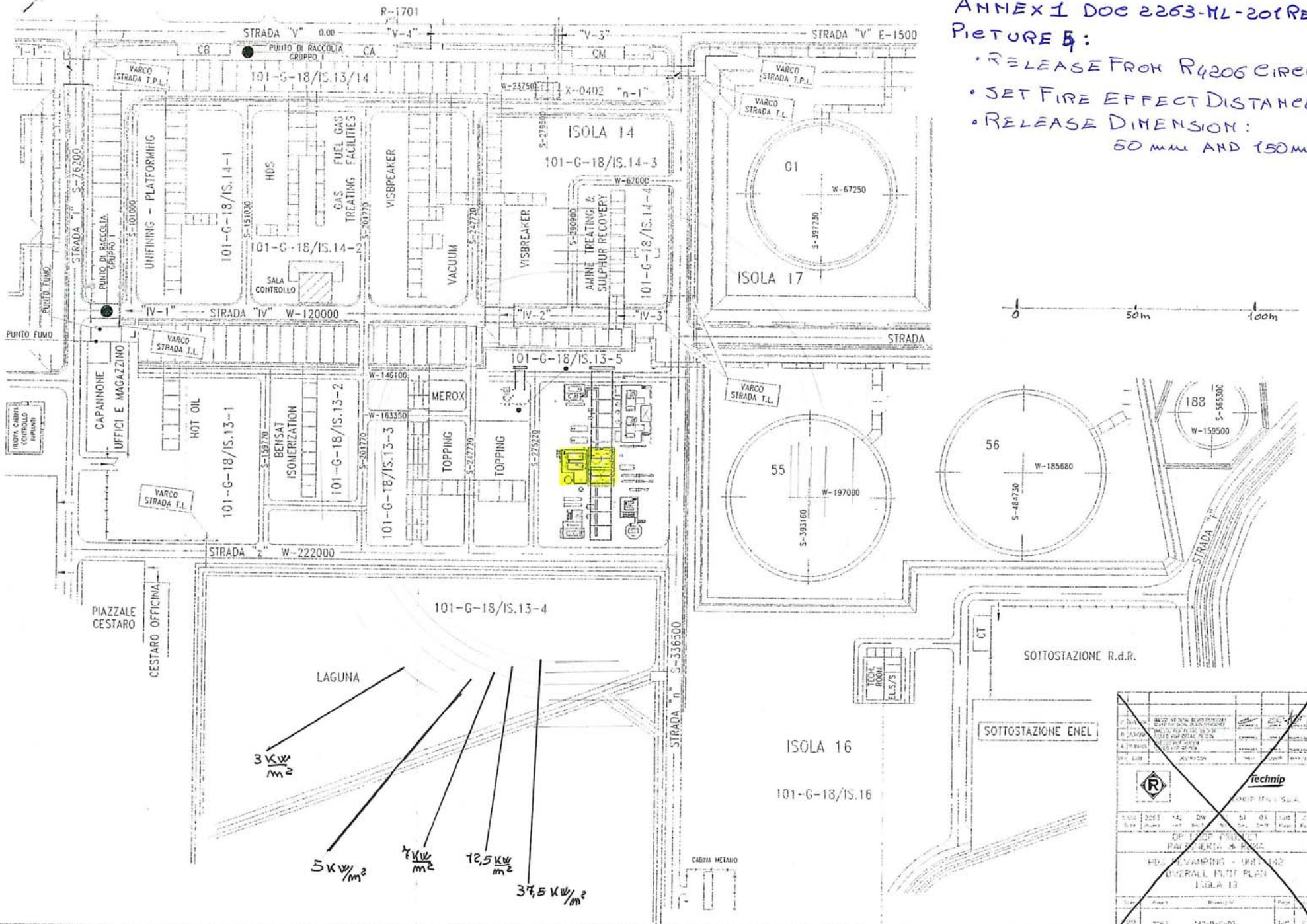
In the following pictures the hazardous effect distances are represented with respect to each hazardous circuit identified in the HAZAN Analysis.

Notes

1. Hazardous scenario effect distances are represented with respect to the threshold limit shown on paragraph 3.4
2. The greater effect distances between 5D and 2F class wind has been represented
3. Only effect distances greater than 40 m have been represented
4. The effect distances are in many cases related to wind direction; the pictures represent the envelopment of the hazardous areas associated to all wind direction

ANNEX 1 DOC 2263-ML-201 REV B
PICTURE 5:

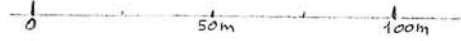
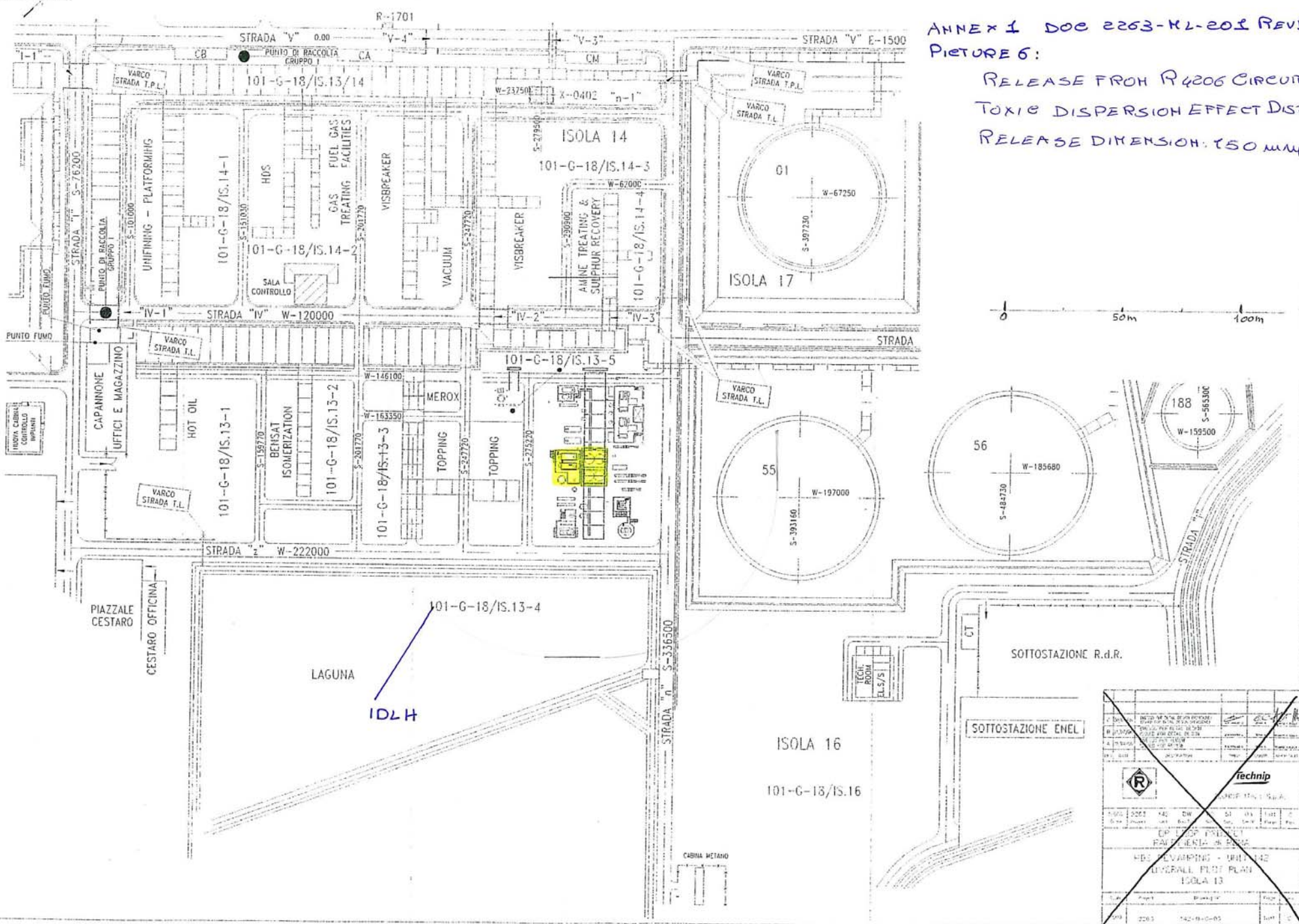
- RELEASE FROM R4206 CIRCUIT
- SET FIRE EFFECT DISTANCES
- RELEASE DIMENSION:
50 mm AND 150 mm



SOTTOSTAZIONE ENEL	
SOTTOSTAZIONE R.d.R.	
ISOLA 16 101-G-18/IS.16	
ISOLA 17 101-G-18/IS.17-3	
ISOLA 18 101-G-18/IS.18-3	
ISOLA 19 101-G-18/IS.19-3	
ISOLA 20 101-G-18/IS.20-3	
ISOLA 21 101-G-18/IS.21-3	
ISOLA 22 101-G-18/IS.22-3	
ISOLA 23 101-G-18/IS.23-3	
ISOLA 24 101-G-18/IS.24-3	
ISOLA 25 101-G-18/IS.25-3	
ISOLA 26 101-G-18/IS.26-3	
ISOLA 27 101-G-18/IS.27-3	
ISOLA 28 101-G-18/IS.28-3	
ISOLA 29 101-G-18/IS.29-3	
ISOLA 30 101-G-18/IS.30-3	
ISOLA 31 101-G-18/IS.31-3	
ISOLA 32 101-G-18/IS.32-3	
ISOLA 33 101-G-18/IS.33-3	
ISOLA 34 101-G-18/IS.34-3	
ISOLA 35 101-G-18/IS.35-3	
ISOLA 36 101-G-18/IS.36-3	
ISOLA 37 101-G-18/IS.37-3	
ISOLA 38 101-G-18/IS.38-3	
ISOLA 39 101-G-18/IS.39-3	
ISOLA 40 101-G-18/IS.40-3	
ISOLA 41 101-G-18/IS.41-3	
ISOLA 42 101-G-18/IS.42-3	
ISOLA 43 101-G-18/IS.43-3	
ISOLA 44 101-G-18/IS.44-3	
ISOLA 45 101-G-18/IS.45-3	
ISOLA 46 101-G-18/IS.46-3	
ISOLA 47 101-G-18/IS.47-3	
ISOLA 48 101-G-18/IS.48-3	
ISOLA 49 101-G-18/IS.49-3	
ISOLA 50 101-G-18/IS.50-3	
ISOLA 51 101-G-18/IS.51-3	
ISOLA 52 101-G-18/IS.52-3	
ISOLA 53 101-G-18/IS.53-3	
ISOLA 54 101-G-18/IS.54-3	
ISOLA 55 101-G-18/IS.55-3	
ISOLA 56 101-G-18/IS.56-3	
ISOLA 57 101-G-18/IS.57-3	
ISOLA 58 101-G-18/IS.58-3	
ISOLA 59 101-G-18/IS.59-3	
ISOLA 60 101-G-18/IS.60-3	
ISOLA 61 101-G-18/IS.61-3	
ISOLA 62 101-G-18/IS.62-3	
ISOLA 63 101-G-18/IS.63-3	
ISOLA 64 101-G-18/IS.64-3	
ISOLA 65 101-G-18/IS.65-3	
ISOLA 66 101-G-18/IS.66-3	
ISOLA 67 101-G-18/IS.67-3	
ISOLA 68 101-G-18/IS.68-3	
ISOLA 69 101-G-18/IS.69-3	
ISOLA 70 101-G-18/IS.70-3	
ISOLA 71 101-G-18/IS.71-3	
ISOLA 72 101-G-18/IS.72-3	
ISOLA 73 101-G-18/IS.73-3	
ISOLA 74 101-G-18/IS.74-3	
ISOLA 75 101-G-18/IS.75-3	
ISOLA 76 101-G-18/IS.76-3	
ISOLA 77 101-G-18/IS.77-3	
ISOLA 78 101-G-18/IS.78-3	
ISOLA 79 101-G-18/IS.79-3	
ISOLA 80 101-G-18/IS.80-3	
ISOLA 81 101-G-18/IS.81-3	
ISOLA 82 101-G-18/IS.82-3	
ISOLA 83 101-G-18/IS.83-3	
ISOLA 84 101-G-18/IS.84-3	
ISOLA 85 101-G-18/IS.85-3	
ISOLA 86 101-G-18/IS.86-3	
ISOLA 87 101-G-18/IS.87-3	
ISOLA 88 101-G-18/IS.88-3	
ISOLA 89 101-G-18/IS.89-3	
ISOLA 90 101-G-18/IS.90-3	
ISOLA 91 101-G-18/IS.91-3	
ISOLA 92 101-G-18/IS.92-3	
ISOLA 93 101-G-18/IS.93-3	
ISOLA 94 101-G-18/IS.94-3	
ISOLA 95 101-G-18/IS.95-3	
ISOLA 96 101-G-18/IS.96-3	
ISOLA 97 101-G-18/IS.97-3	
ISOLA 98 101-G-18/IS.98-3	
ISOLA 99 101-G-18/IS.99-3	
ISOLA 100 101-G-18/IS.100-3	

ANNEX 1 DOC 2263-KL-201 REV B
PICTURE 6:

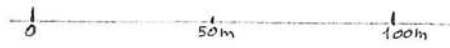
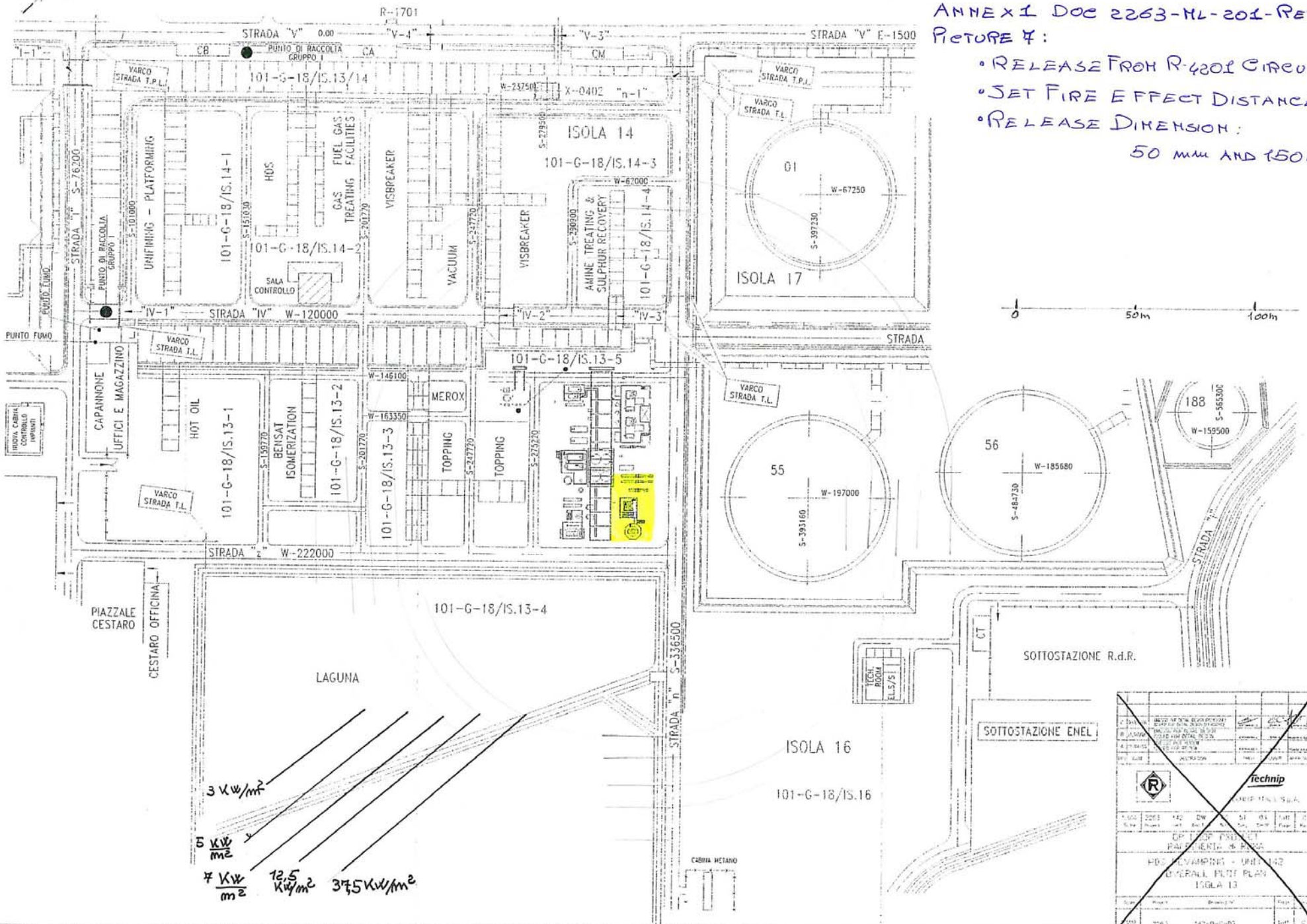
RELEASE FROM R4206 CIRCUIT
TOXIC DISPERSION EFFECT DISTANCES
RELEASE DIMENSION: 150 MM



SOTTOSTAZIONE ENEL			
SOTTOSTAZIONE R.d.R.			
ISOLA 16 101-G-18/IS.16			
ISOLA 13			
HBS EVAPORING - UNIT 142			
GENERAL PLOT PLAN			
ISOLA 13			
2003			

ANNEX I DOC 2263-ML-201-REV B PICTURE 4:

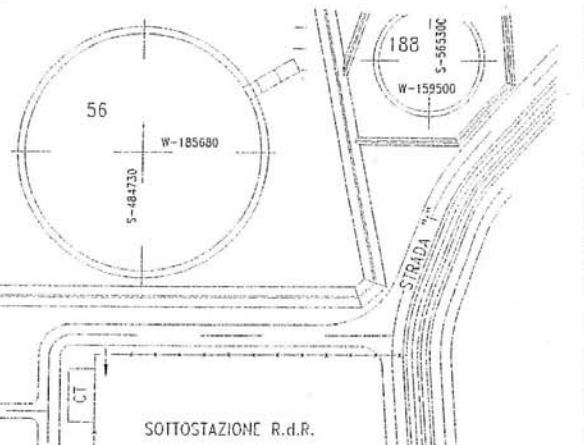
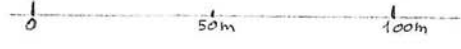
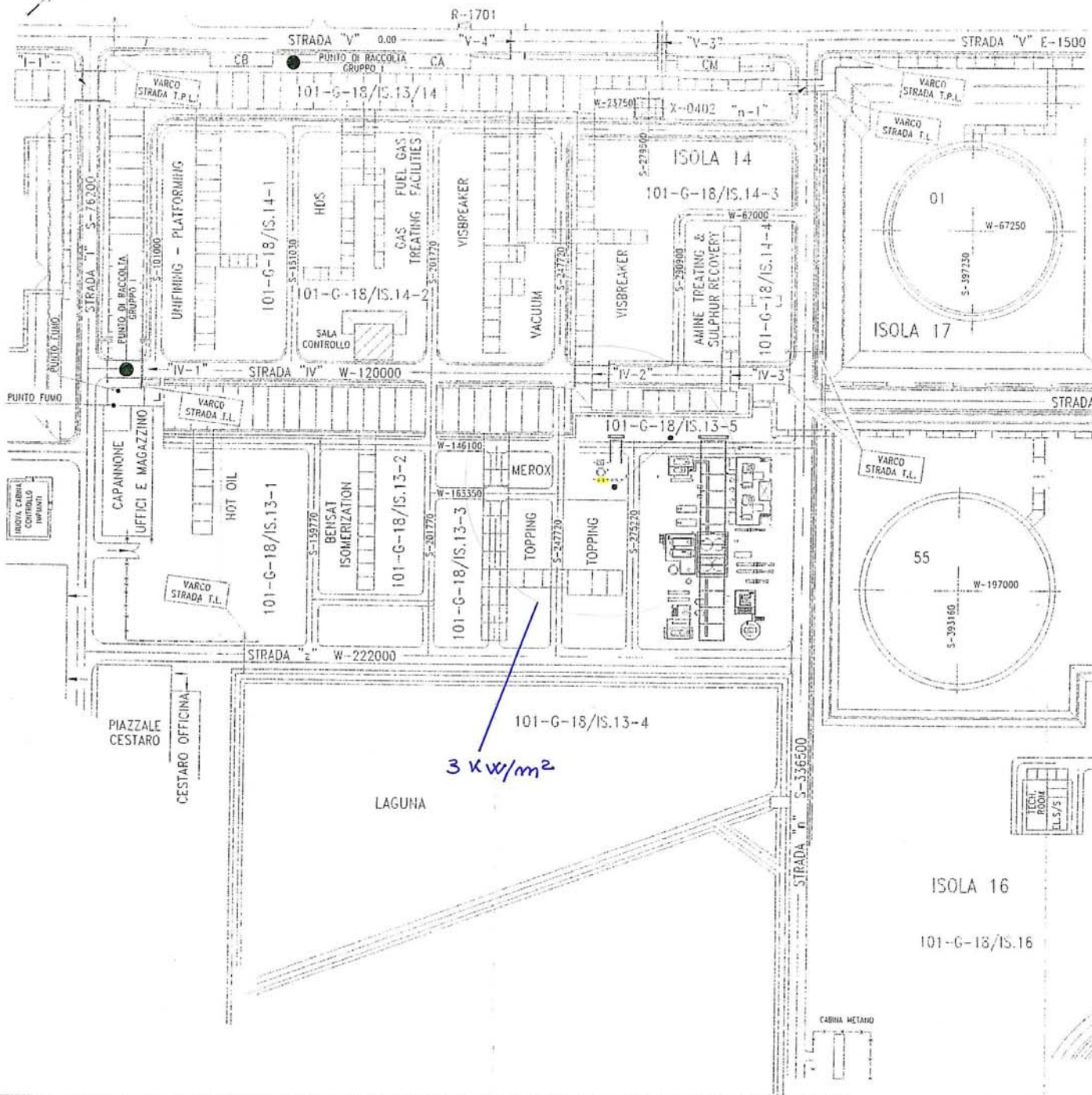
- RELEASE FROM R-4201 CIRCUIT
- SET FIRE EFFECT DISTANCES
- RELEASE DIMENSION:
50 mm AND 150 mm



SOTTOSTAZIONE ENEL			
SOTTOSTAZIONE R.d.R.			
LEGN. ROOM EL5/S1			
CABINA METANO			
PIAZZALE CESTARO			
CESTARO OFFICINA			
LAGUNA			
ISOLA 16 101-G-18/IS.16			
ISOLA 17 101-G-18/IS.17			
ISOLA 14 101-G-18/IS.14-3			
ISOLA 18 101-G-18/IS.18			
ISOLA 13 101-G-18/IS.13			
ISOLA 12 101-G-18/IS.12			
ISOLA 11 101-G-18/IS.11			
ISOLA 10 101-G-18/IS.10			
ISOLA 9 101-G-18/IS.9			
ISOLA 8 101-G-18/IS.8			
ISOLA 7 101-G-18/IS.7			
ISOLA 6 101-G-18/IS.6			
ISOLA 5 101-G-18/IS.5			
ISOLA 4 101-G-18/IS.4			
ISOLA 3 101-G-18/IS.3			
ISOLA 2 101-G-18/IS.2			
ISOLA 1 101-G-18/IS.1			
ISOLA 0 101-G-18/IS.0			

ANNE x I DOE 2263-ML-201-REV B
PICTURE 8:

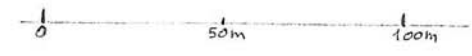
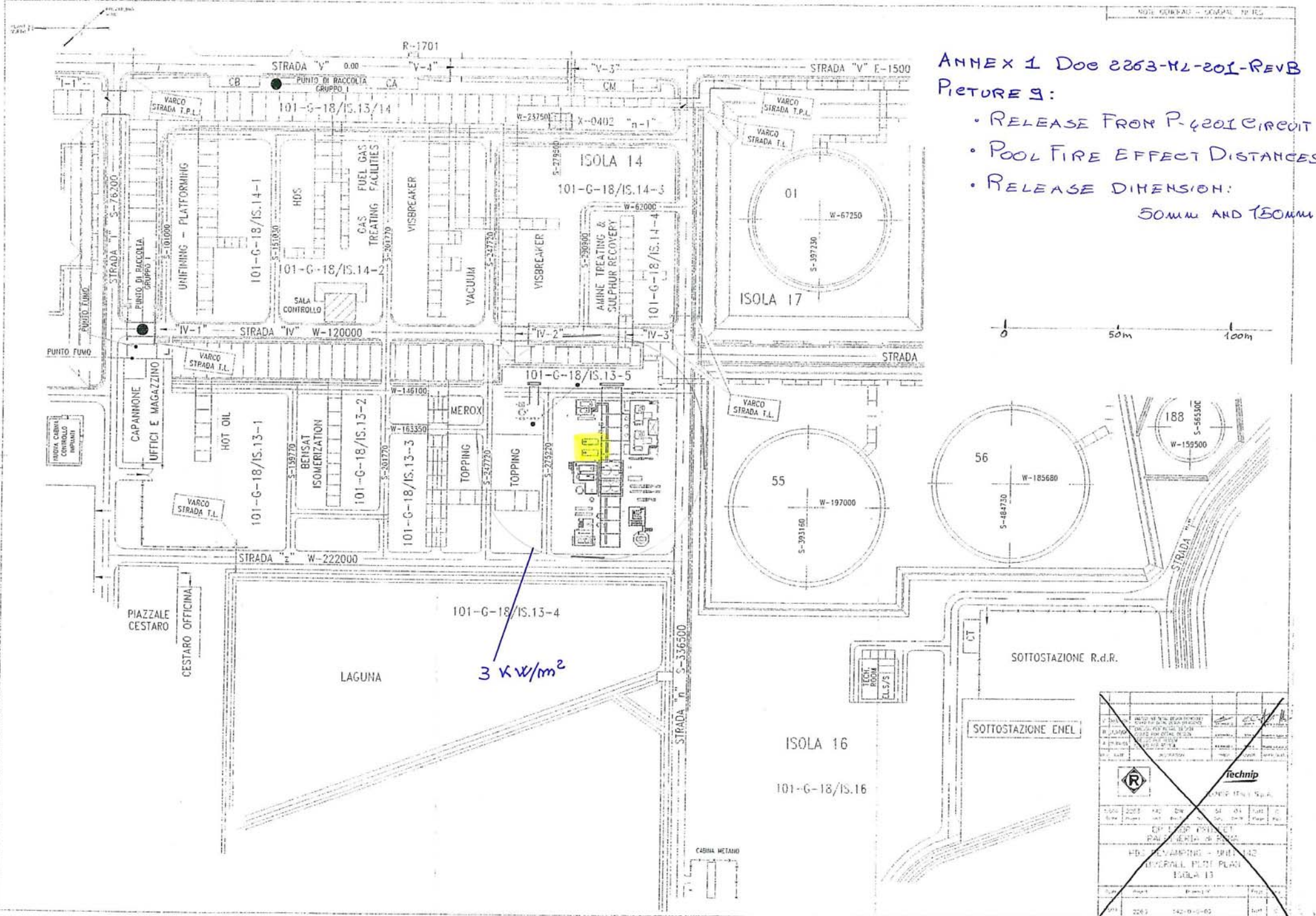
- RELEASE FROM P-4206 CIRCUIT (VACUUM DRYER SYSTEM)
- POOL FIRE EFFECT DISTANCES
- RELEASE DIMENSION: 50 MM



GENERAL PLD PLAN ISOLA 13	
Scale: 1:500 Date: 14/2-8-05	

ANNEX 1 DOG 2263-M2-201-REV B
 PICTURE 9:

- RELEASE FROM P-4201 CIRCUIT
- POOL FIRE EFFECT DISTANCES
- RELEASE DIMENSION:
 50MM AND 150MM

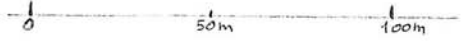
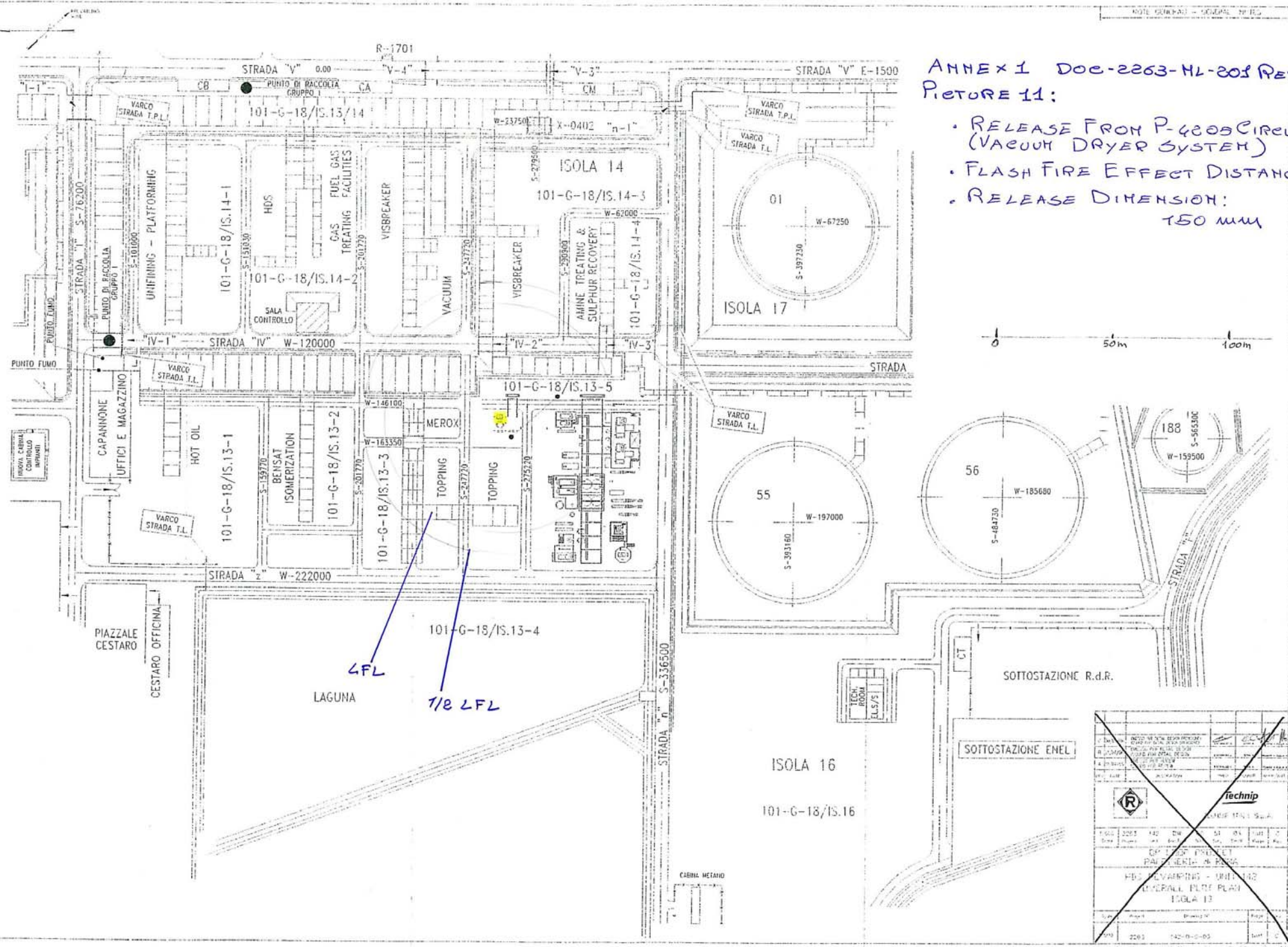


3 KW/m²

GENERAL PILOT PLANT ISOLA 13			
FIRE ALARM SYSTEM PALESTRA DI FERRA	HB-FLVAMPING - SPIN-142	FIRE ALARM SYSTEM PALESTRA DI FERRA	HB-FLVAMPING - SPIN-142
2263	142	01-02	01-02
2263	142-01-02	01-02	01-02

ANNEX I DOC-2263-ML-205 REV B
PICTURE 11:

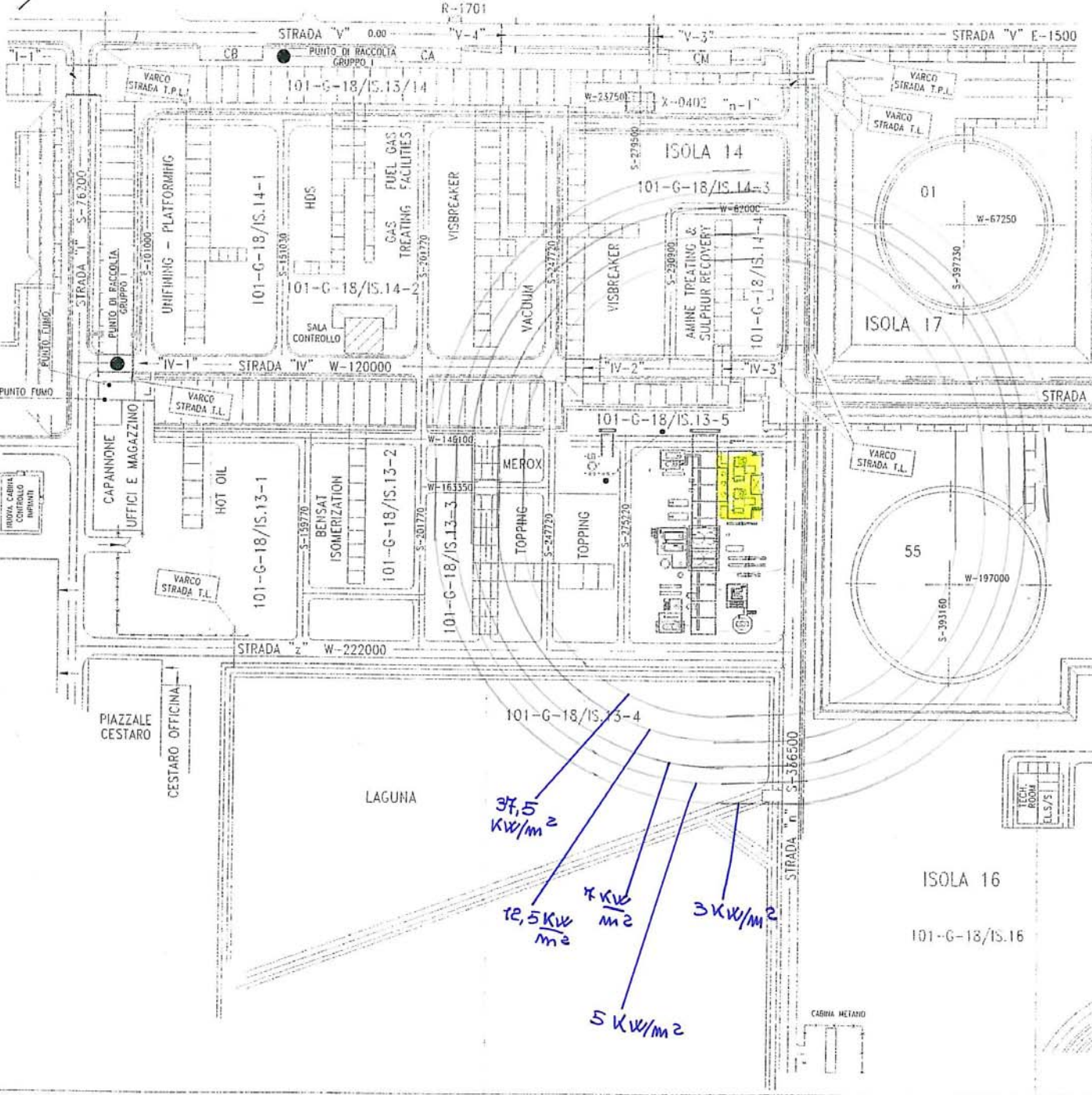
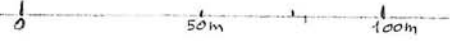
- RELEASE FROM P-4209 CIRCUIT (VACUUM DRYER SYSTEM)
- FLASH FIRE EFFECT DISTANCES
- RELEASE DIMENSION: 150 MM



<p>PROGETTO: ...</p> <p>SCALE: ...</p> <p>PRODOTTORE: ...</p> <p>PROGETTISTA: ...</p> <p>REDAZIONE: ...</p> <p>REVISIONI:</p>			
<p>GENERAL PLANT PLAN ISOLA 13</p>			
<p>Scale</p> <p>1:500</p>	<p>Scale</p> <p>1:1000</p>	<p>Scale</p> <p>1:2000</p>	<p>Scale</p> <p>1:5000</p>
<p>Scale</p> <p>1:10000</p>	<p>Scale</p> <p>1:20000</p>	<p>Scale</p> <p>1:50000</p>	<p>Scale</p> <p>1:100000</p>
<p>Scale</p> <p>1:200000</p>	<p>Scale</p> <p>1:500000</p>	<p>Scale</p> <p>1:1000000</p>	<p>Scale</p> <p>1:2000000</p>
<p>Scale</p> <p>1:5000000</p>	<p>Scale</p> <p>1:10000000</p>	<p>Scale</p> <p>1:20000000</p>	<p>Scale</p> <p>1:50000000</p>
<p>Scale</p> <p>1:100000000</p>	<p>Scale</p> <p>1:200000000</p>	<p>Scale</p> <p>1:500000000</p>	<p>Scale</p> <p>1:1000000000</p>
<p>Scale</p> <p>1:2000000000</p>	<p>Scale</p> <p>1:5000000000</p>	<p>Scale</p> <p>1:10000000000</p>	<p>Scale</p> <p>1:20000000000</p>

ANNEX 1 DOC 2263-M2-201 REV B
PIETURE 12:

- RELEASE FROM K4201 CIRCUIT
- SET FIRE EFFECT DISTANCES
- RELEASE DIMENSION:
50 MM AND 150 MM



Handwritten annotations in blue ink:

- 37,5 KW/m²
- 12,5 KW/m²
- 7 KW/m²
- 5 KW/m²
- 3 KW/m²



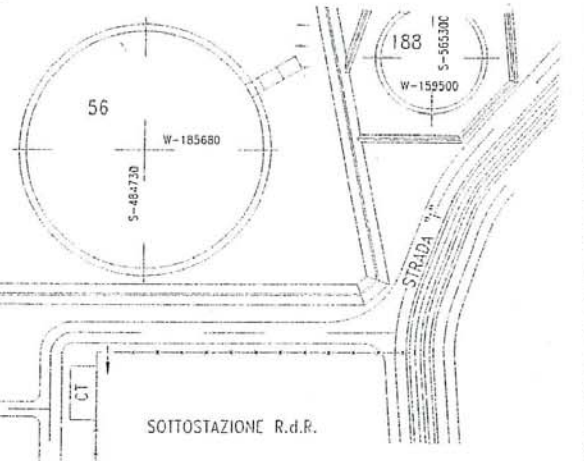
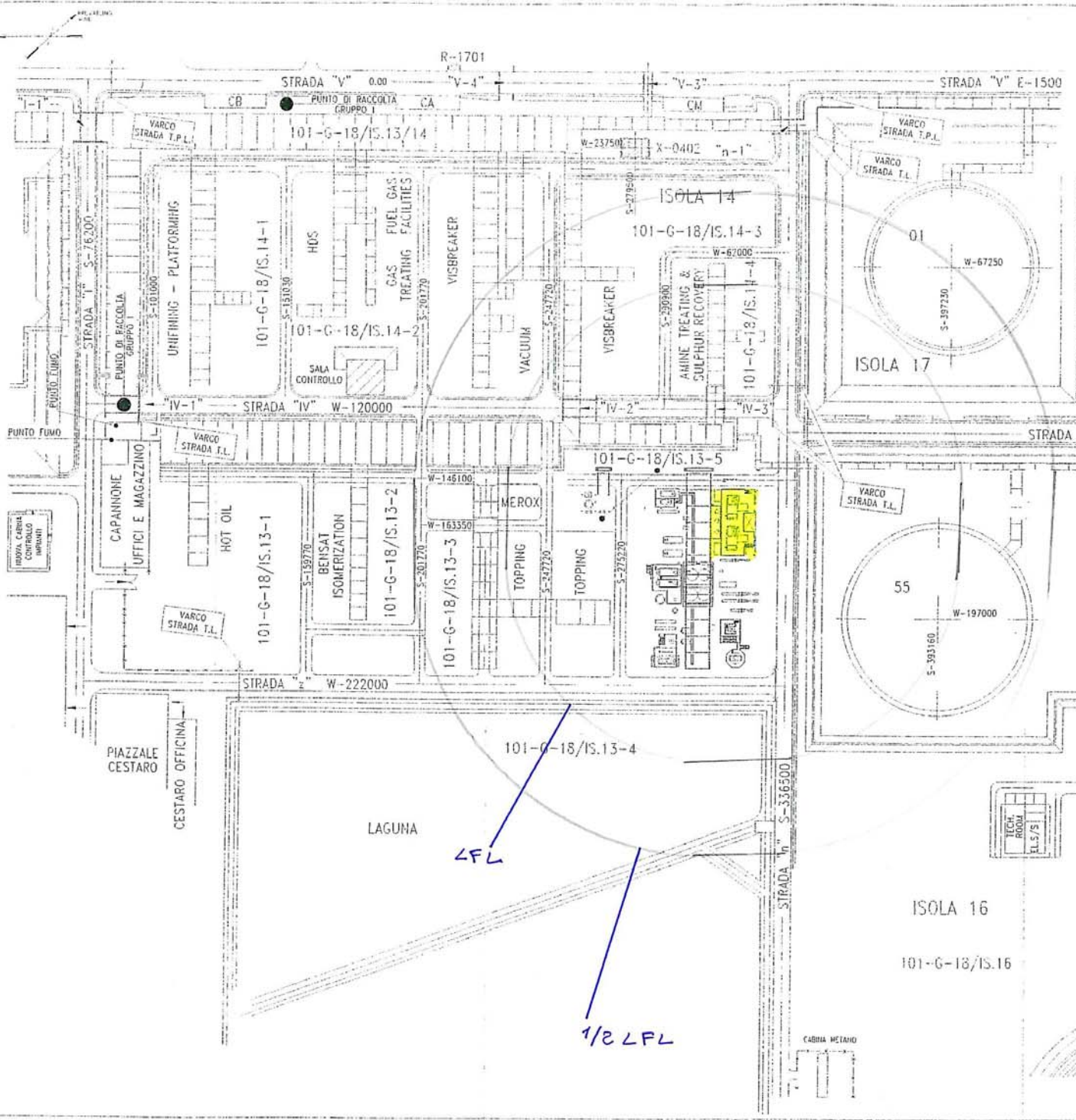
SOTTOSTAZIONE R.d.R.

SOTTOSTAZIONE ENEL

PROJECT: PAV. AREA 2000 UNIT: HEAVY VAPORING - UNIT 142 DRAWING: GENERAL FLOOR PLAN ISOLA 13	
Scale: 1:100 Date: 2003-05-05	Author: [Name] Checked: [Name]

ANNEX 1 DOE 2263 - H2-201-REV B
 RETURE 13:

- RELEASE FROM K4201 CIRCUIT
- FLASH FIRE EFFECT DISTANCES
- RELEASE DIMENSION:
50 mm



LFL

1/2 LFL

SOTTOSTAZIONE R.d.R.

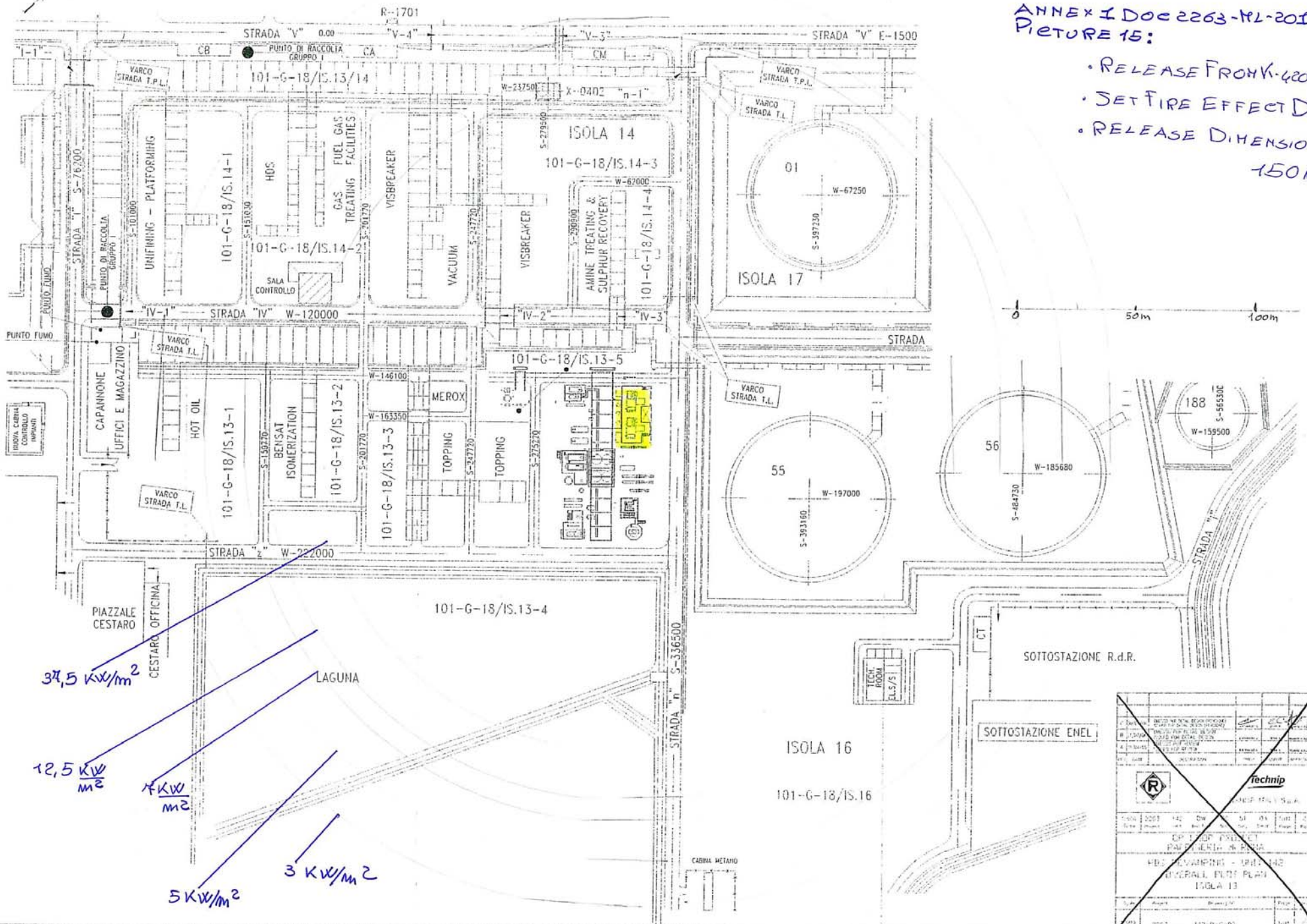
SOTTOSTAZIONE ENEL

ISOLA 16
 101-G-18/IS.16

		Technip S.p.A.	
SOTTOSTAZIONE ENEL			
H2S EVAPORATOR - UNIT 142 OVERALL LAYOUT PLAN ISOLA 13			
Scale	Project	Revision	Date
1:500	2263	142-16-01-02	14/01/02

ANNEX I DOC 2263-ML-201-REV B
PICTURE 15:

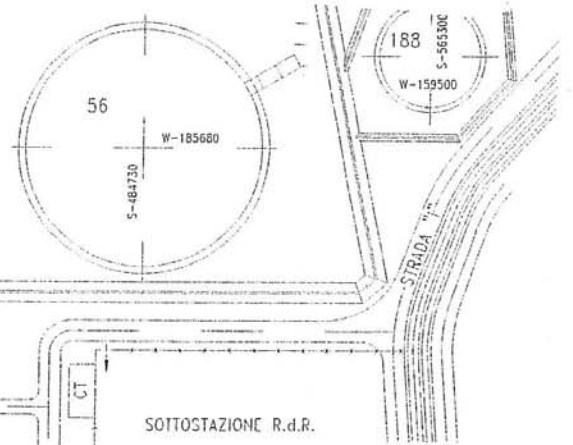
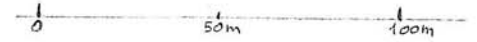
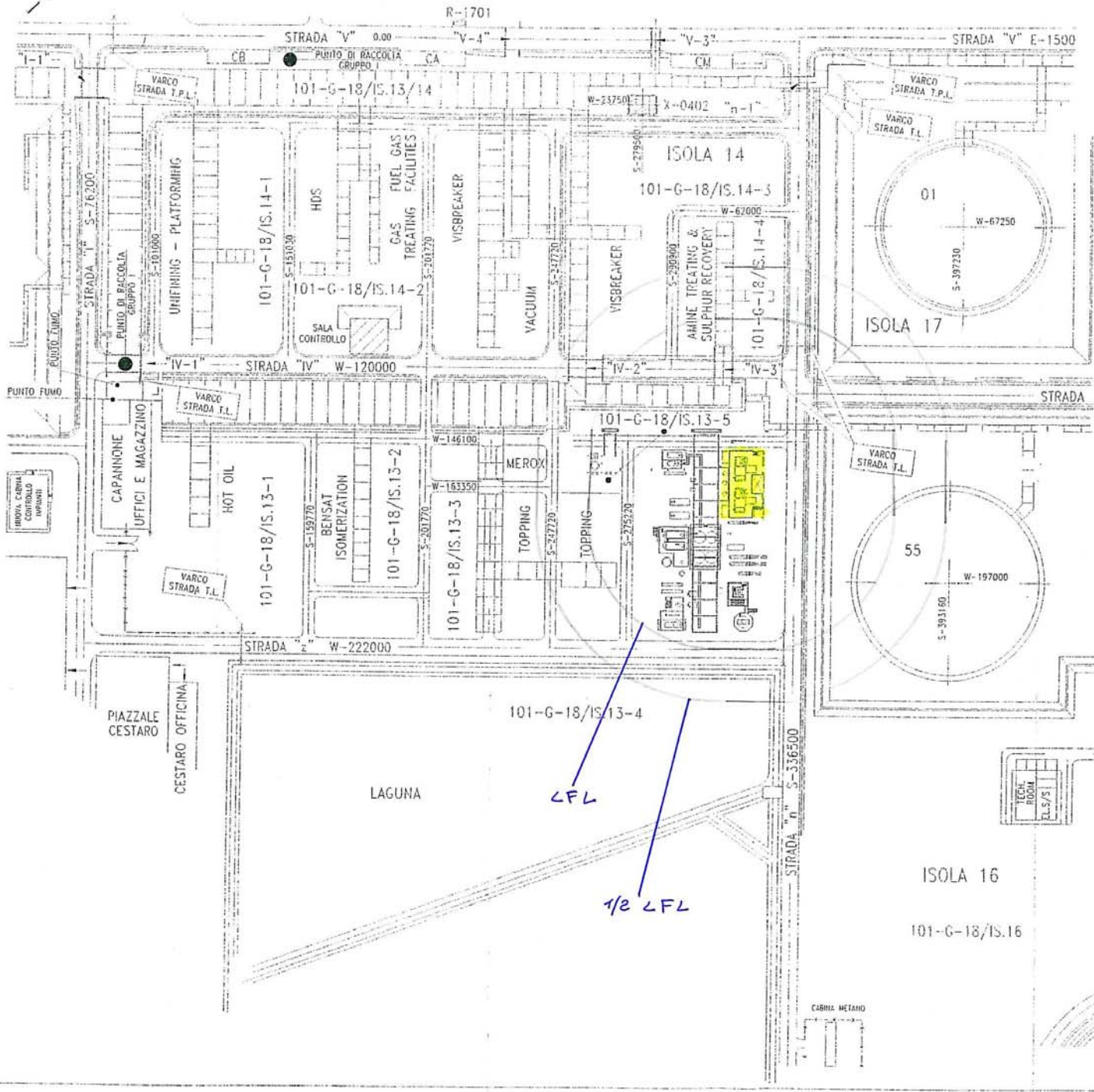
- RELEASE FROM K-4202 CIRCUIT
- SET FIRE EFFECT DISTANCES
- RELEASE DIMENSION 150 MM



SOTTOSTAZIONE ENEL SOTTOSTAZIONE R.d.R.			
ISOLA 16 101-G-18/IS.16			
TECHNICAL DRAWING PROJECT NO. 2263-ML-201-REV B SHEET NO. 15 DATE: 14/05/03 DRAWN BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name]			
Scale	1:500	1:1000	1:2000
Proj.	142	142	142
Rev.	01	01	01
Drawn	[Name]	[Name]	[Name]
Checked	[Name]	[Name]	[Name]
Approved	[Name]	[Name]	[Name]
GENERAL FIELD PLAN ISOLA 13			
Scale	1:500	1:1000	1:2000
Proj.	142	142	142
Rev.	01	01	01
Drawn	[Name]	[Name]	[Name]
Checked	[Name]	[Name]	[Name]
Approved	[Name]	[Name]	[Name]

ANNEX I DOG 2263-ML-201-REV B
 PICTURE 16:

- RELEASE FROM K-4202 CIRCUIT
- FLASH FIRE EFFECT DISTANCES
- RELEASE DIMENSION:
50 mm



TECHNIP

~~TECHNIP~~

PROGETTO							
PROGETTO	PROGETTISTA	VERIFICATO	APPROVATO	DATA	SCALE	FOGLIO	TOT. FOGLI
101-G-18/IS.13-4	PAV. AREA 4/1000	PAV. AREA 4/1000	PAV. AREA 4/1000	10/02/2001	1:100	101-G-18/IS.13-4	10
GENERALI							
PROGETTO	PROGETTISTA	VERIFICATO	APPROVATO	DATA	SCALE	FOGLIO	TOT. FOGLI
101-G-18/IS.13-4	PAV. AREA 4/1000	PAV. AREA 4/1000	PAV. AREA 4/1000	10/02/2001	1:100	101-G-18/IS.13-4	10