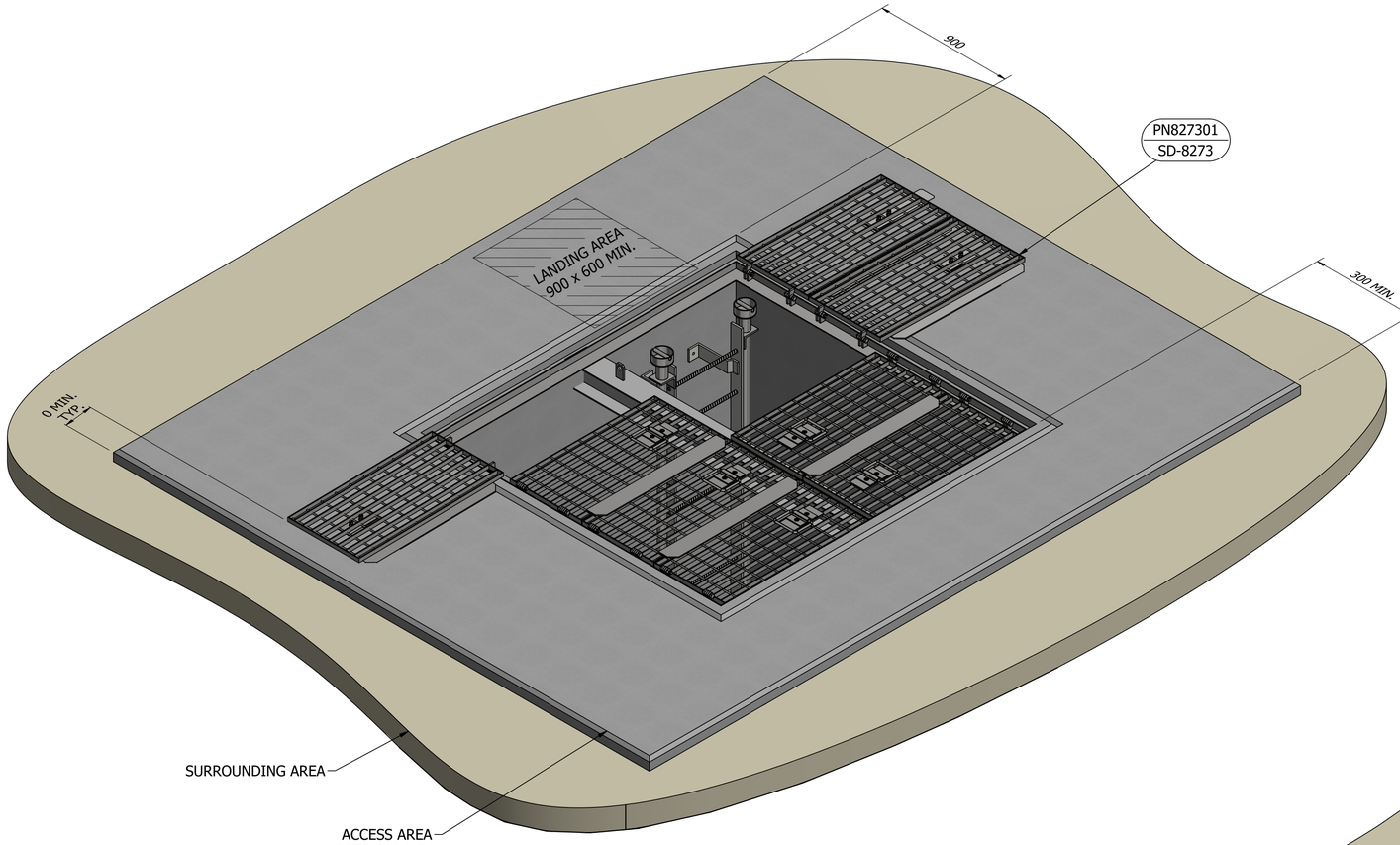
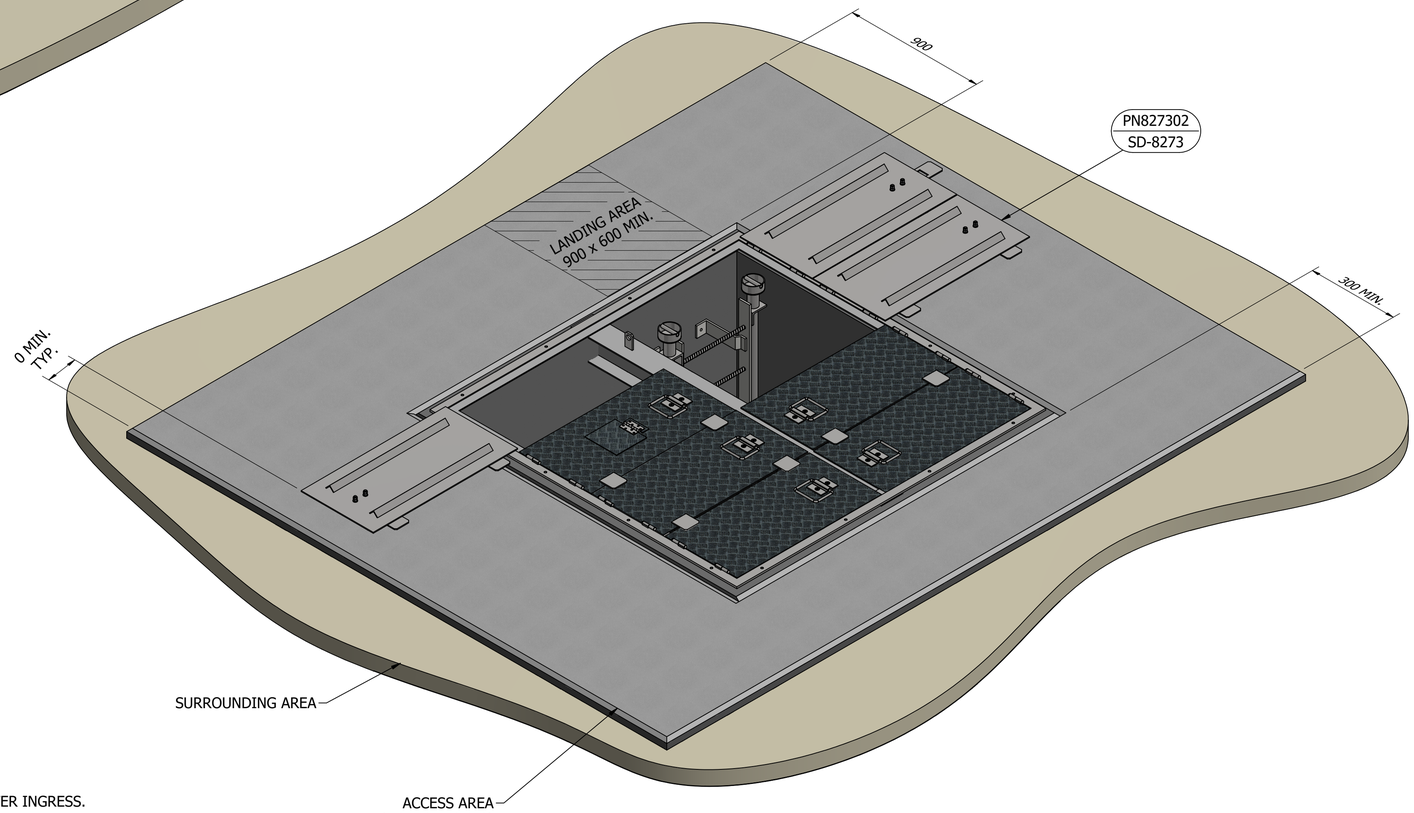




NOTES:

1. R.C. OR HARDSTAND ACCESS AREA TO EXTEND AS SHOWN SO THAT THE FOLD FLAT COVERS CAN BE WALKED UPON WHEN FULLY OPEN.

2. ACCESS AREA TO BE A MIN. HEIGHT OF 100 AND A MAX. HEIGHT OF 300 ABOVE THE SURROUNDING AREA TO AVOID/MINIMISE SURFACE WATER INGRESS.

3. WHERE COMPACTED FILL IS USED TO FORM HARDSTAND, BATTER FILL TO NATURAL SURFACE BEYOND REQUIRED FLAT ZONE. BATTER GRADE TO BE NO MORE THAN 1 IN 4.

4. LADDER TYPES SHOWN ARE FOR EXAMPLE PURPOSES ONLY. OTHER LADDER TYPES MAY BE INSTALLED.

5. THE DESIGNER SHALL FAMILIARISE THEMSELVES WITH THE REQUIREMENTS OF ICON WATER SPECIFICATIONS STD-SPE-G-008 AND 009 PRIOR TO DESIGNING ANY STRUCTURE WHICH REQUIRES HEIGHT SAFETY TO BE TAKEN INTO CONSIDERATION.

No.	ISSUE	DATE	DRAWN	CHECKED	AUTHORISED
A	INITIAL ISSUE	15/06/2018	S. Essery	K. Danenbergsons	D. Eager

ASSET AREA APPLICABILITY					
DAM	X	RES	X	SPS	X
BWS	X	WAT	X	STP	X
WTP	X	SEW	X		
WPS	X	REC	X		

icon WATER

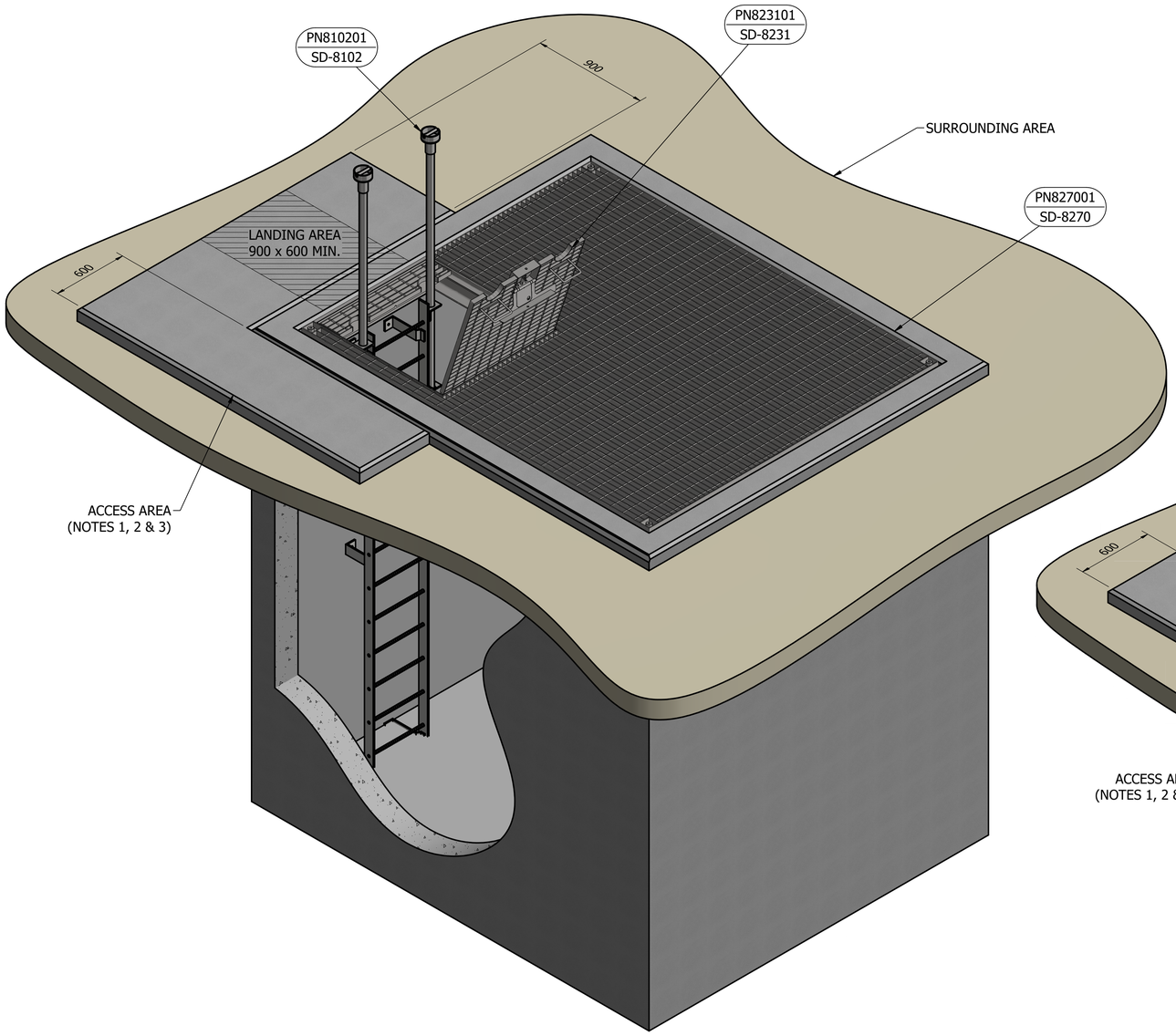
STANDARD DRAWING
ACCESS COVERS - HOT DIP GALVANISED STEEL
FIXED FRAME (FOLD FLAT) COVERS
EXAMPLE INSTALLATIONS

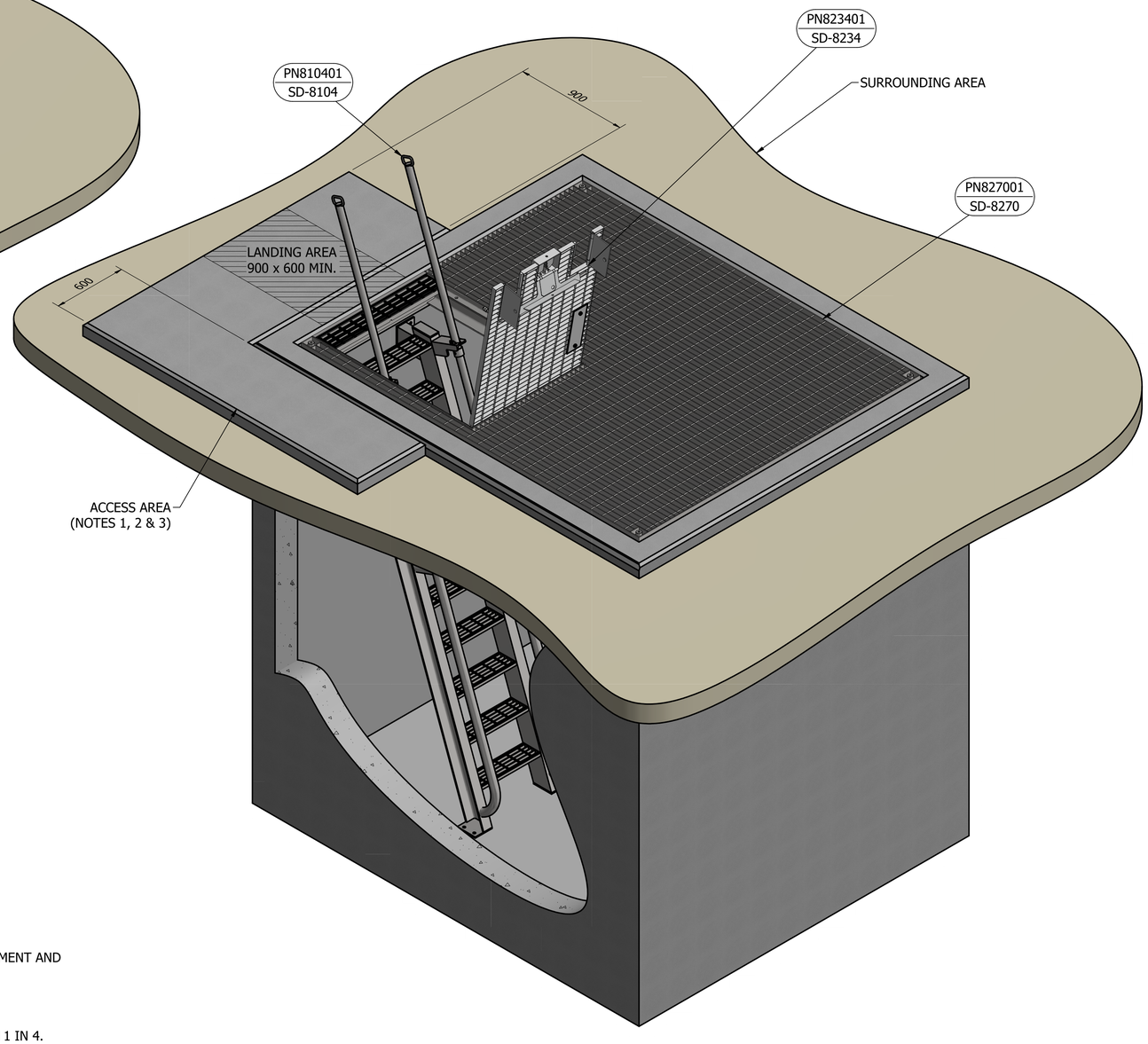
DRAWING STATUS: Current

SD-8001-C

A1

ISSUE: A





NOTES:

1. R.C. OR HARDSTAND ACCESS AREA AND PERIMETER AROUND THE DROP-IN COVER TO BE SIZED SO THAT APPROVED ICON WATER LIMITED FREE FALL ARREST EQUIPMENT AND PORTABLE BARRIERS CAN BE SET UP APPROPRIATELY. THE LANDING AREA SHALL BE IN ACCORDANCE WITH AS 1657 AS AMENDED BY ICON WATER.

2. ACCESS AREA TO BE A MIN. HEIGHT OF 100 AND A MAX. HEIGHT OF 300 ABOVE THE SURROUNDING AREA TO AVOID/MINIMISE SURFACE WATER INGRESS.

3. WHERE COMPACTED FILL IS USED TO FORM HARDSTAND, BATTER FILL TO NATURAL SURFACE BEYOND REQUIRED FLAT ZONE. BATTER GRADE TO BE NO MORE THAN 1 IN 4.

4. THE LADDERS AND COVER COMBINATIONS SHOWN ARE EXAMPLES ONLY. OTHER COMBINATIONS MAY BE INSTALLED AS APPROPRIATE.

5. THE DESIGNER SHALL FAMILIARISE THEMSELVES WITH THE REQUIREMENTS OF ICON WATER SPECIFICATIONS STD-SPE-G-008 AND 009 PRIOR TO DESIGNING ANY STRUCTURE WHICH REQUIRES HEIGHT SAFETY TO BE TAKEN INTO CONSIDERATION.

No.	ISSUE	DATE	DRAWN	CHECKED	AUTHORISED
A	INITIAL ISSUE	15/06/2018	S. Essery	K. Danenbergsons	D. Eager

ASSET AREA APPLICABILITY					
DAM	X	RES	X	SPS	X
BWS	X	WAT	X	STP	X
WTP	X	SEW	X		
WPS	X	REC	X		

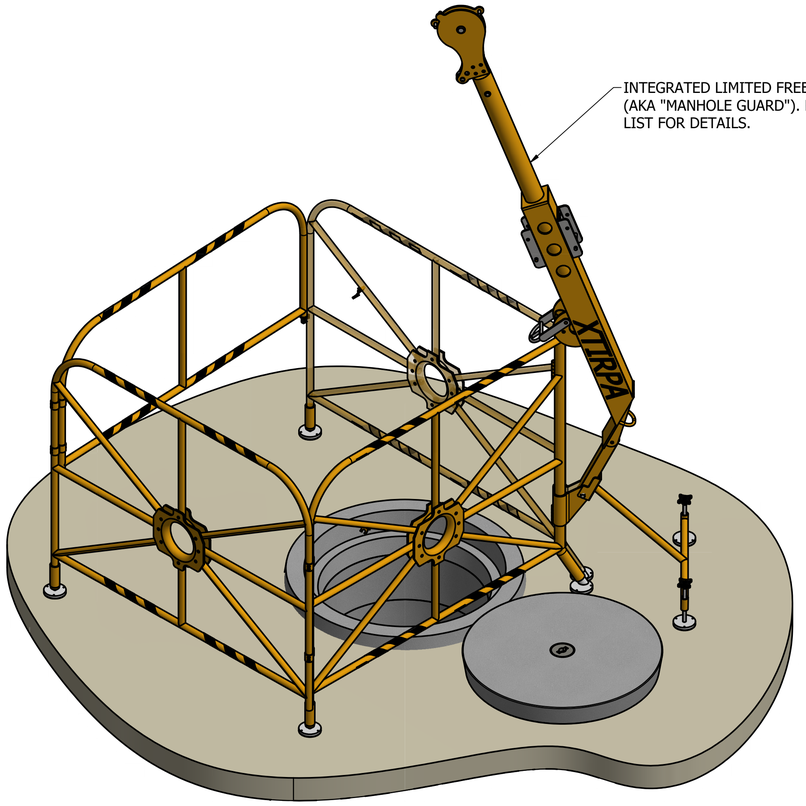
STANDARD DRAWING
ACCESS COVERS - DROP IN TYPE
VERTICAL AND INCLINE RUNG LADDER WITH EXTENDABLE STANCHIONS
EXAMPLE INSTALLATIONS

DRAWING STATUS: Current

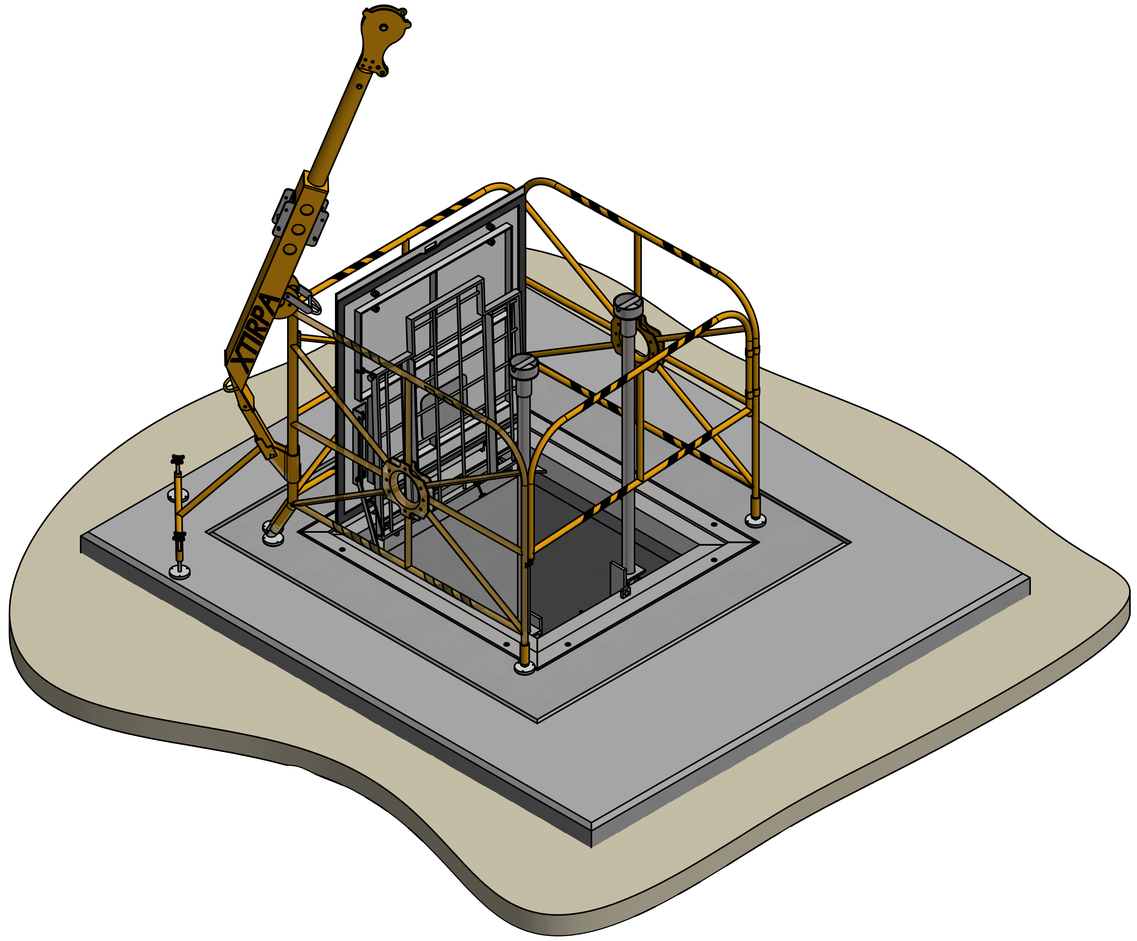
SD-8002-C

A1

ISSUE: A



EXAMPLE INSTALLATION 1
"MANHOLE GUARD" AROUND MAINTENANCE HOLE



EXAMPLE INSTALLATION 2
"MANHOLE GUARD" AROUND FLUSH FIT COVER

NOTES:

1. THE PURPOSE OF THIS DRAWING IS TO ILLUSTRATE HOW ICON WATER MAINTENANCE PERSONEL MAY ACCESS STANDARD MAINTENANCE HOLES AND OTHER BURIED MAINTENANCE STRUCTURES SUCH AS VALVE CHAMBERS. DESIGNERS SHALL TAKE INTO CONSIDERATION METHODS OF ACCESS, EGRESS AND FREE FALL ARREST WHEN DESIGNING SUCH STRUCTURES. REFER TO ICON WATER SPECIFICATIONS STD-SPE-G-008 AND 009 FOR DETAILED REQUIREMENTS AS WELL AS THE RELEVANT DRAWINGS ON ICON WATER'S STANDARD DRAWING SET NUMBERED SD-8000 TO SD-9000.

No.	ISSUE	DATE	DRAWN	CHECKED	AUTHORISED
A	INITIAL ISSUE	15/06/2018	S. Essery	K. Danenbergsons	D. Eager

DAM	X	RES	X	SPS	X
BWS	X	WAT	X	STP	X
WTP	X	SEW	X		
WPS	X	REC	X		

ASSET AREA APPLICABILITY

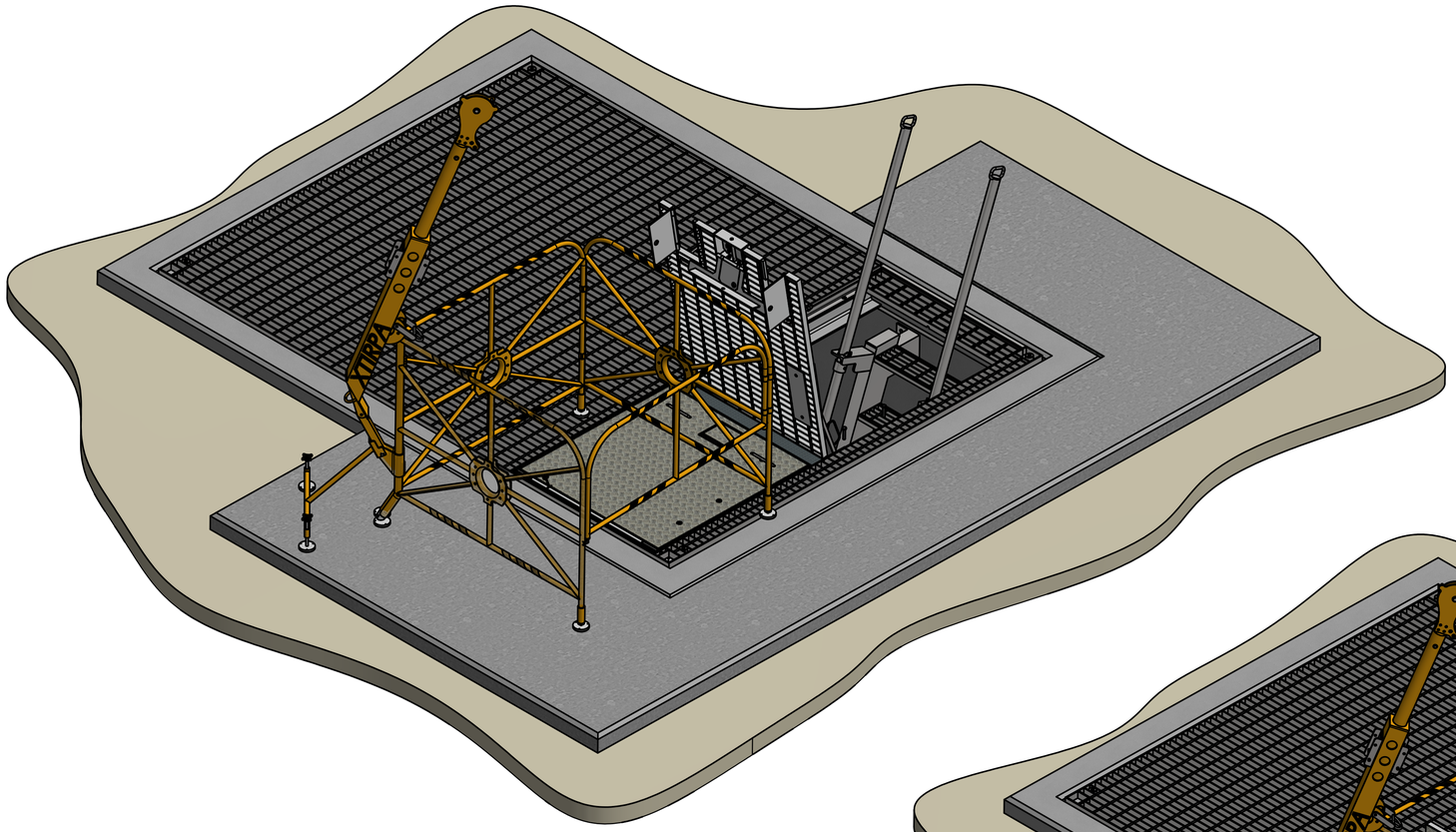
STANDARD DRAWING
PORTABLE EDGE PROTECTION AND DAVITS
SETUP AROUND HATCHES AND COVERS
EXAMPLE INSTALLATIONS SHEET 1 OF 2

DRAWING STATUS: Current

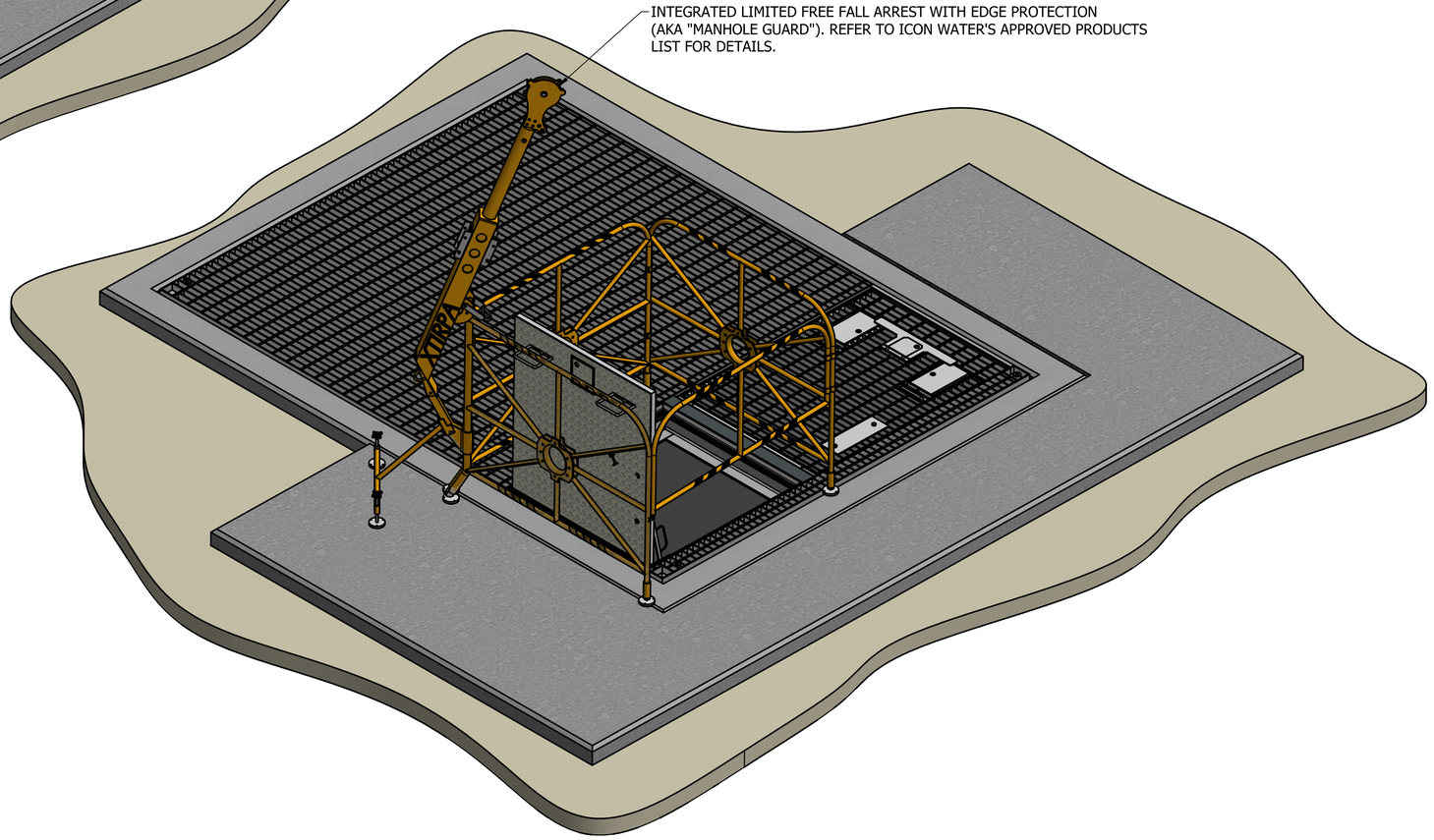
SD-8004-C

A1

ISSUE: A



EXAMPLE INSTALLATION 3 - POSITION 1
"MANHOLE GUARD" SHOWN IN STANDBY
POSITION OVER SECONDARY RESCUE HATCH



EXAMPLE INSTALLATION 3 - POSITION 2
"MANHOLE GUARD" SHOWN IN RESCUE
POSITION OVER SECONDARY RESCUE HATCH

NOTES:

1. THE PURPOSE OF THIS DRAWING IS TO ILLUSTRATE HOW ICON WATER MAINTENANCE PERSONEL MAY ACCESS STANDARD MAINTENANCE HOLES AND OTHER BURIED MAINTENANCE STRUCTURES SUCH AS VALVE CHAMBERS. DESIGNERS SHALL TAKE INTO CONSIDERATION METHODS OF ACCESS, EGRESS AND FREE FALL ARREST WHEN DESIGNING SUCH STRUCTURES. REFER TO ICON WATER SPECIFICATIONS STD-SPE-G-008 AND 009 FOR DETAILED REQUIREMENTS AS WELL AS THE RELEVANT DRAWINGS ON ICON WATER'S STANDARD DRAWING SET NUMBERED SD-8000 TO SD-9000.

2. SECONDARY RESCUE HATCHES MAY BE REQUIRED FOR BURIED MAINTENANCE STRUCTURES WHEN INCLINED LADDERS OR STAIRS ARE INSTALLED AS THE PRIMARY MEANS OF ACCESS AND EGRESS. DESIGNERS SHALL TAKE INTO CONSIDERATION POTENTIAL RESCUE PLANS WHEN SPECIFYING SUCH DESIGN ELEMENTS FOR STRUCTURES WHICH ARE DETERMINED TO BE "CONFINED SPACES" AS DEFINED BY AS 2865.

No.	ISSUE	DATE	DRAWN	CHECKED	AUTHORISED
A	INITIAL ISSUE	15/06/2018	S. Essery	K. Danenbergsons	D. Eager

ASSET AREA APPLICABILITY					
DAM	X	RES	X	SPS	X
BWS	X	WAT	X	STP	X
WTP	X	SEW	X		
WPS	X	REC	X		

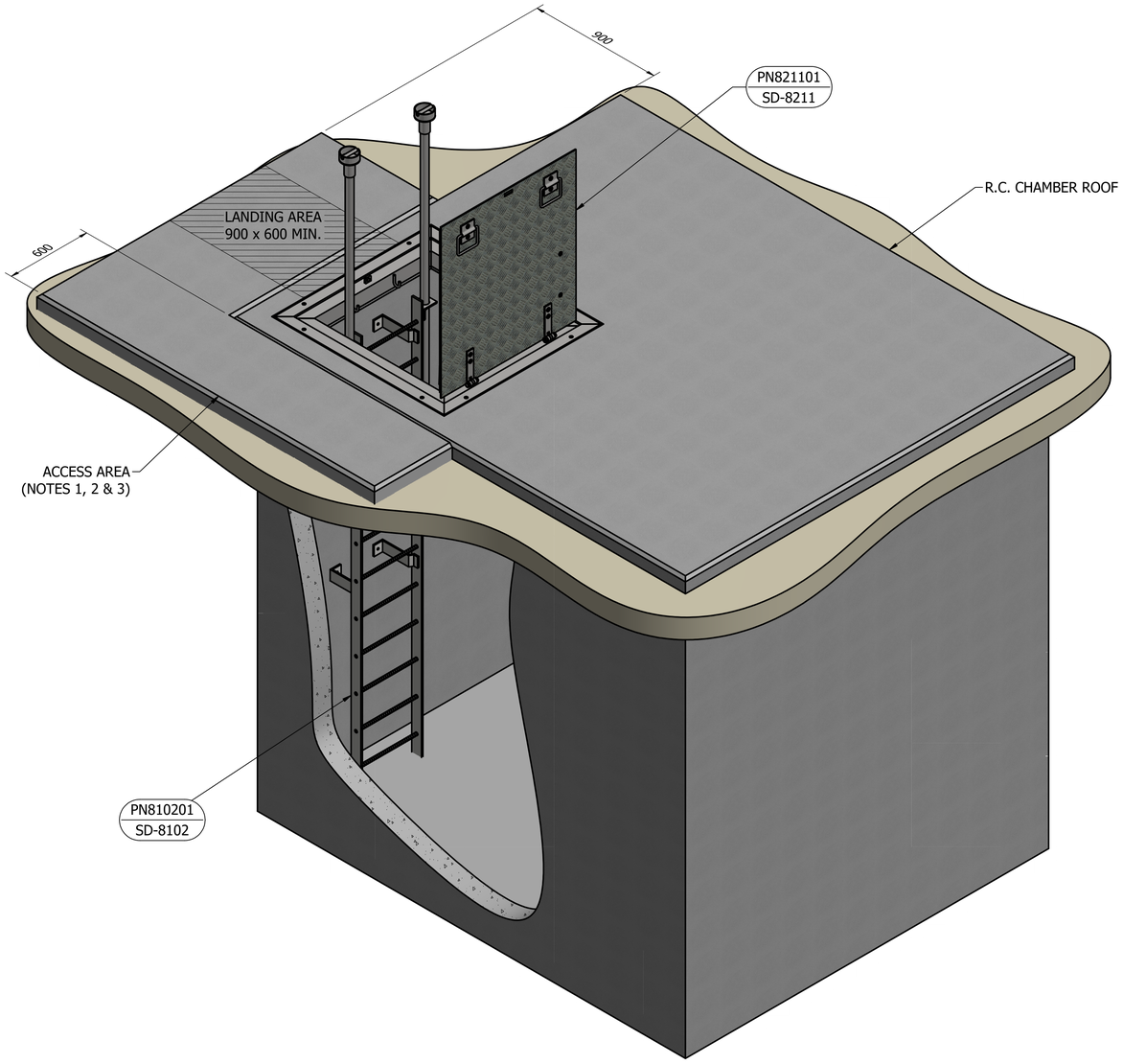
STANDARD DRAWING
PORTABLE EDGE PROTECTION AND DAVITS
SETUP AROUND HATCHES AND COVERS
EXAMPLE INSTALLATIONS SHEET 2 OF 2

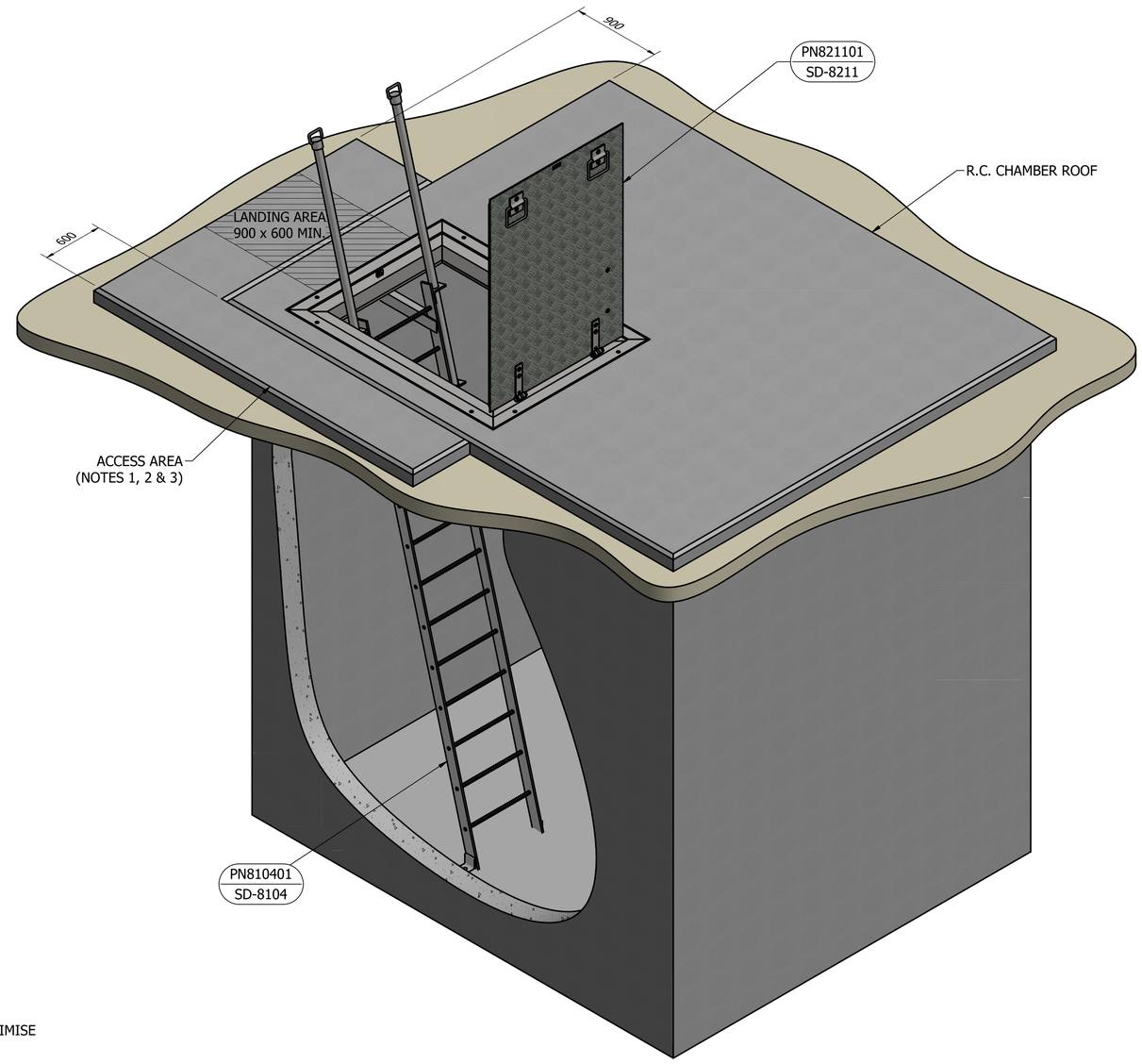
DRAWING STATUS: Current

SD-8005-C

A1

ISSUE: A





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2. THE ACCESS AREA AND PERIMETER AROUND THE DROP-IN COVER SHALL BE A MIN. HEIGHT OF 100 AND A MAX HEIGHT OF 300 ABOVE THE SURROUNDING AREA TO AVOID/MINIMISE SURFACE WATER INGRESS.

3. WHERE COMPACTED FILL IS USED TO FORM HARDSTAND, BATTER FILL TO NATURAL SURFACE BEYOND REQUIRED FLAT ZONE. BATTER GRADE TO BE NO MORE THAN 1 IN 4.

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A	INITIAL ISSUE	15/06/2018	S. Essery	K. Danenbergsons	D. Eager

DAM		RES		SPS	X			
BWS		WAT		STP	X			
WTP		SEW	X					
WPS		REC						

ASSET AREA APPLICABILITY

STANDARD DRAWING
GAS TIGHT COVERS
EXAMPLE INSTALLATIONS

DRAWING STATUS: Current

SD-8006-C

A1

ISSUE: A