

NOTES:

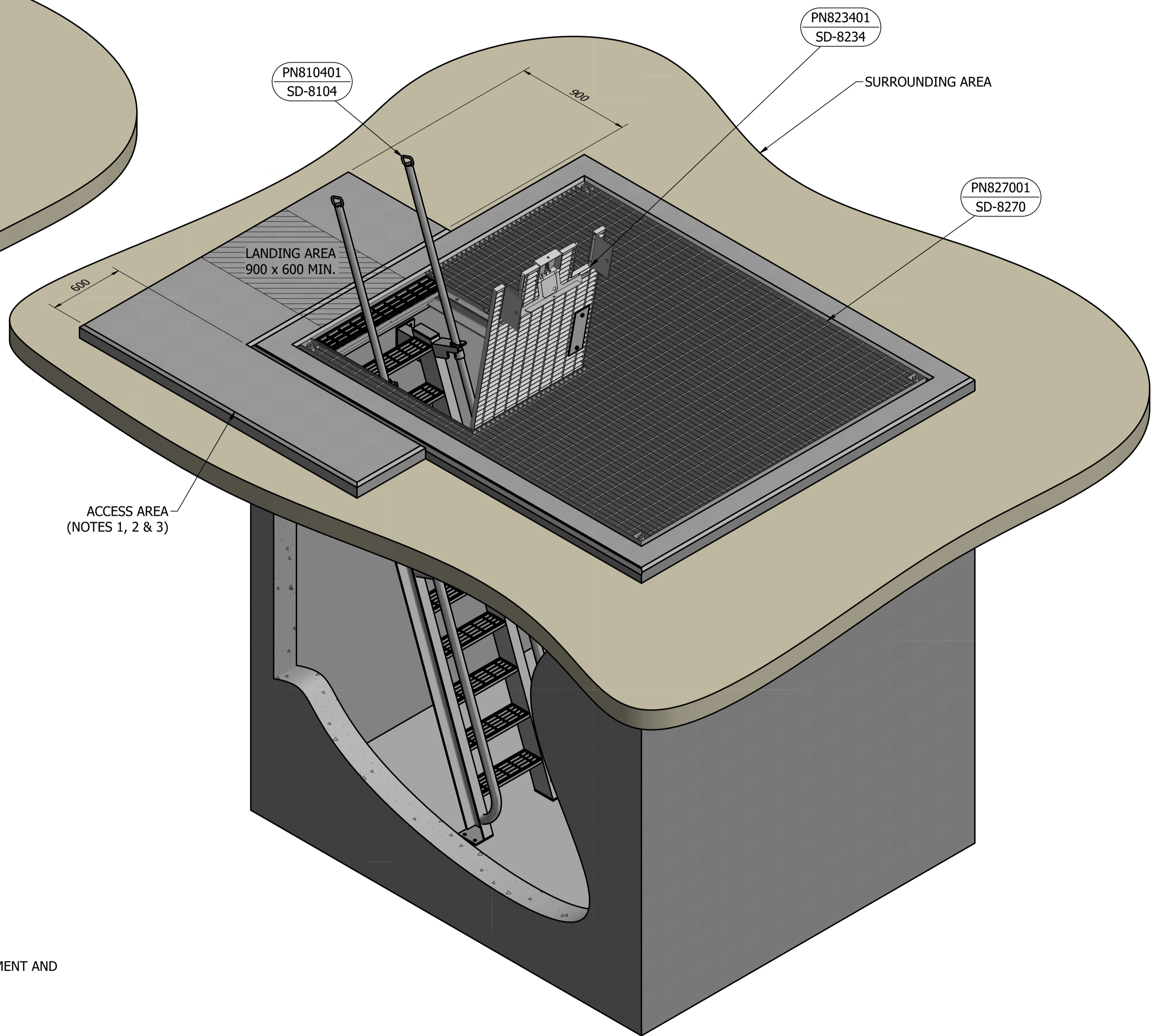
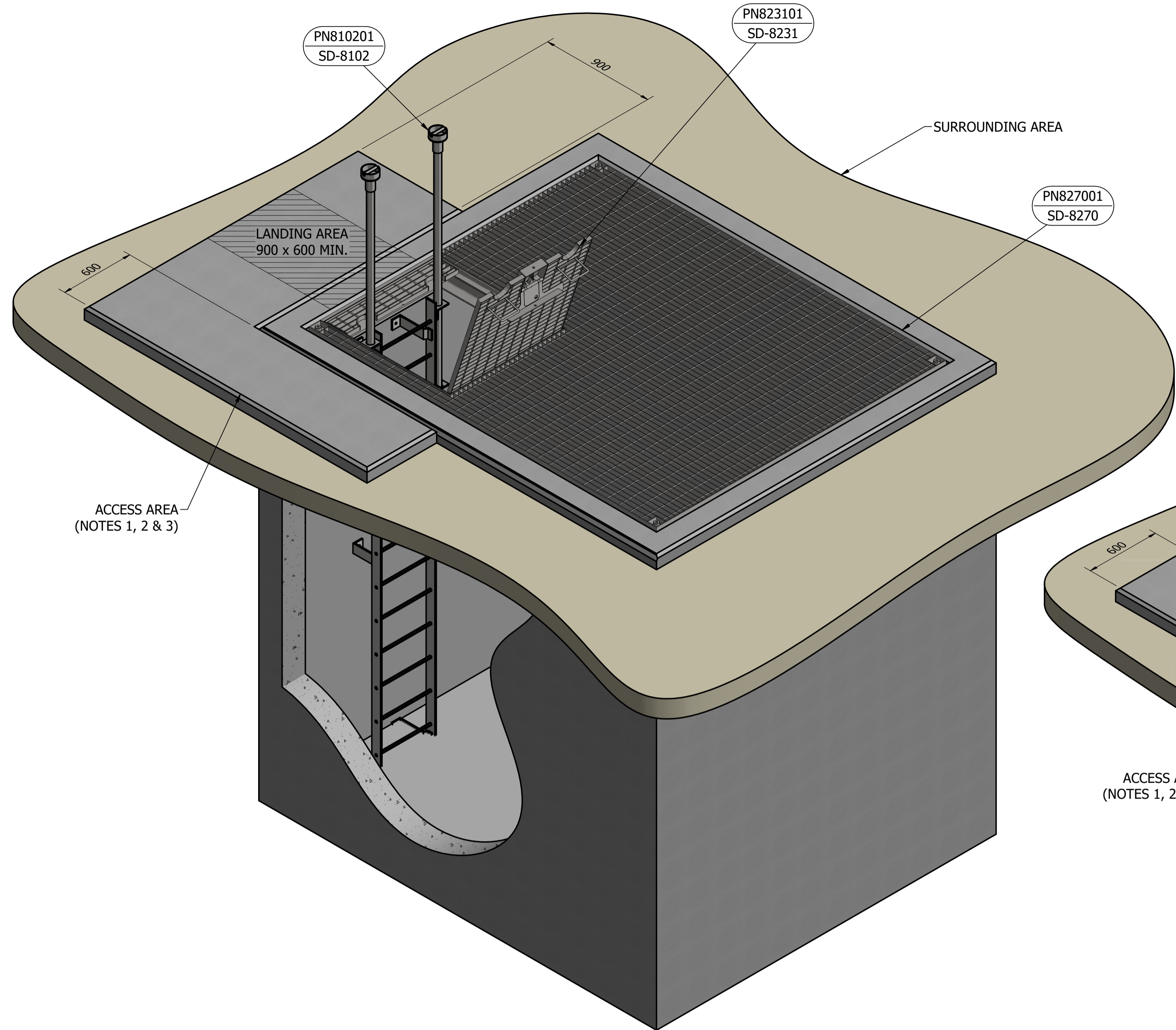
1. R.C. OR HARDSTAND ACCESS AREA TO EXTEND AS SHOWN SO THAT THE FOLD FLAT COVERS CAN BE WALKED UPON WHEN FULLY OPEN.
2. ACCESS AREA TO BE A MIN. HEIGHT OF 100 AND A MAX. HEIGHT OF 300 ABOVE THE SURROUNDING AREA TO AVOID/MINIMISE SURFACE WATER INGRESS.
3. WHERE COMPACTED FILL IS USED TO FORM HARDSTAND, 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.

DAM	<input checked="" type="checkbox"/>	RES	<input checked="" type="checkbox"/>	SPS	<input checked="" type="checkbox"/>
BWS	<input checked="" type="checkbox"/>	WAT	<input checked="" type="checkbox"/>	STP	<input checked="" type="checkbox"/>
WTP	<input checked="" type="checkbox"/>	SEW	<input checked="" type="checkbox"/>		
WPS	<input checked="" type="checkbox"/>	REC	<input checked="" type="checkbox"/>		
ASSET AREA APPLICABILITY					



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

DRAWING STATUS		Current
SD-8001-C		ISSUE A
A1	Icon Water 2017	



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.

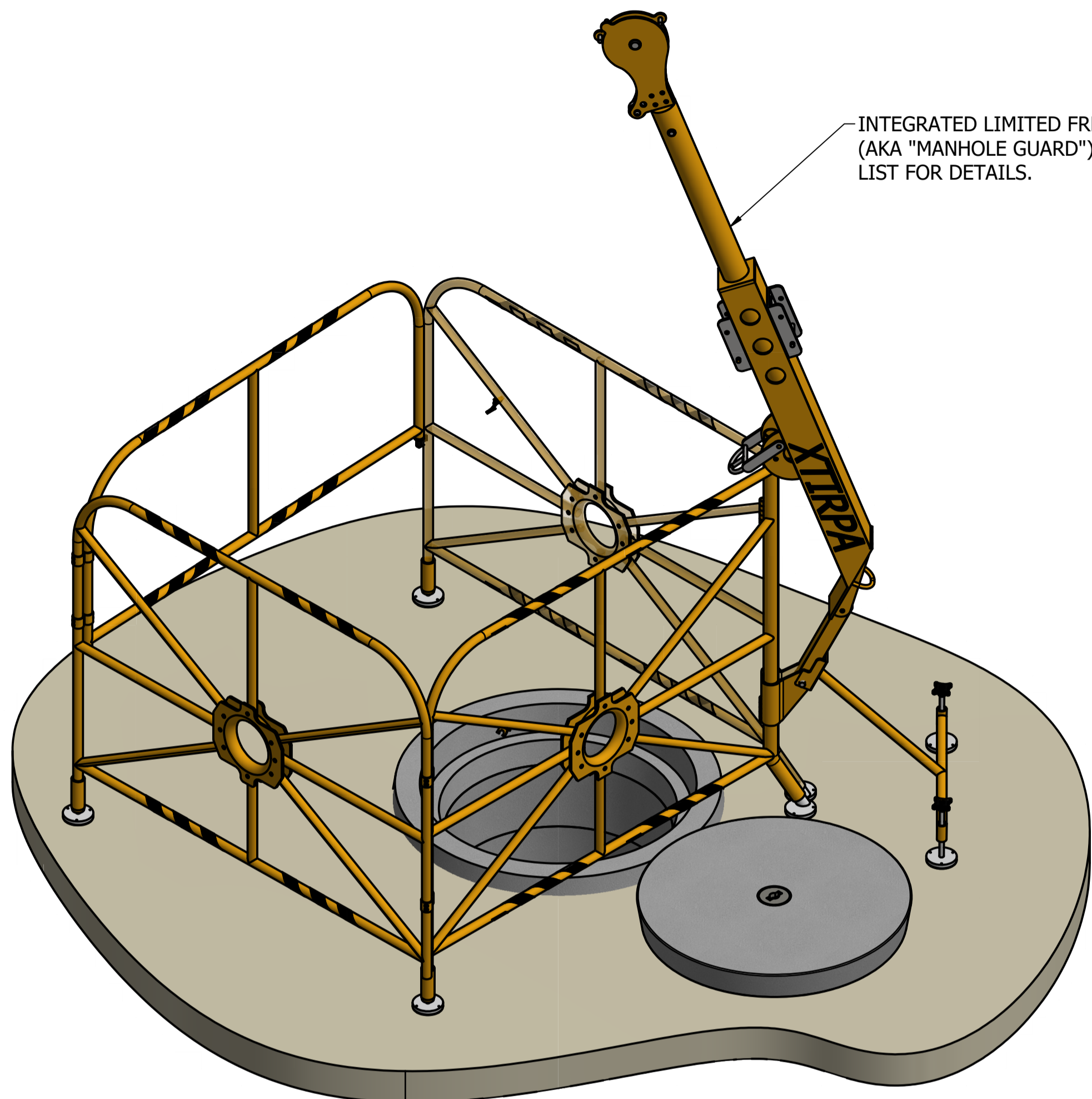
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ASSET AREA APPLICABILITY					



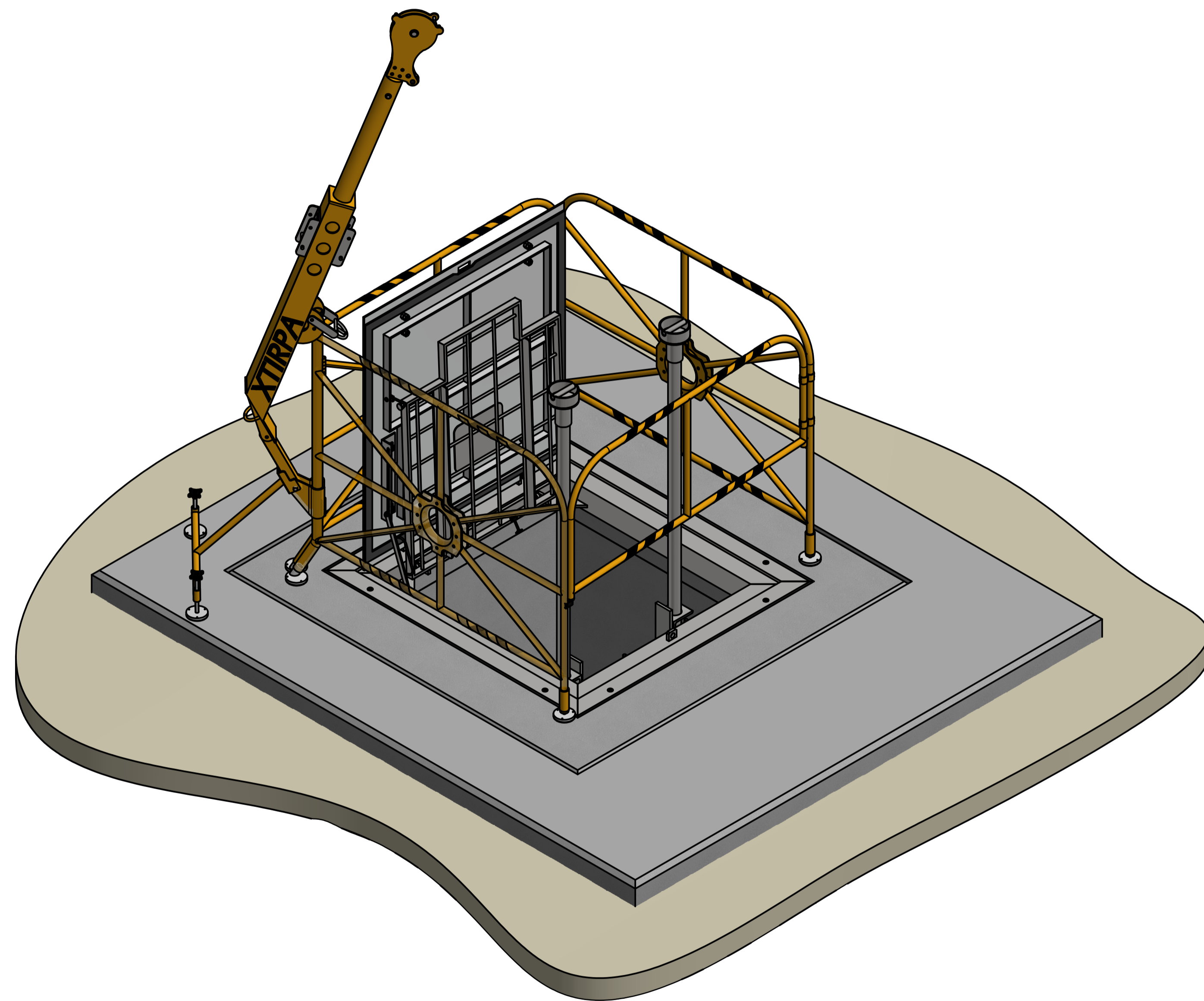
STANDARD DRAWING
ACCESS COVERS - DROP IN TYPE
VERTICAL AND INCLINE RUNG LADDER WITH EXTENDABLE STANCHIONS
EXAMPLE INSTALLATIONS

DRAWING STATUS		Current
SD-8002-C		ISSUE A
A1	© Icon Water 2017	

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



EXAMPLE INSTALLATION 1
"MANHOLE GUARD" AROUND MAINTENANCE HOLE



EXAMPLE INSTALLATION 2
"MANHOLE GUARD" AROUND FLUSH FIT COVER

NOTES:

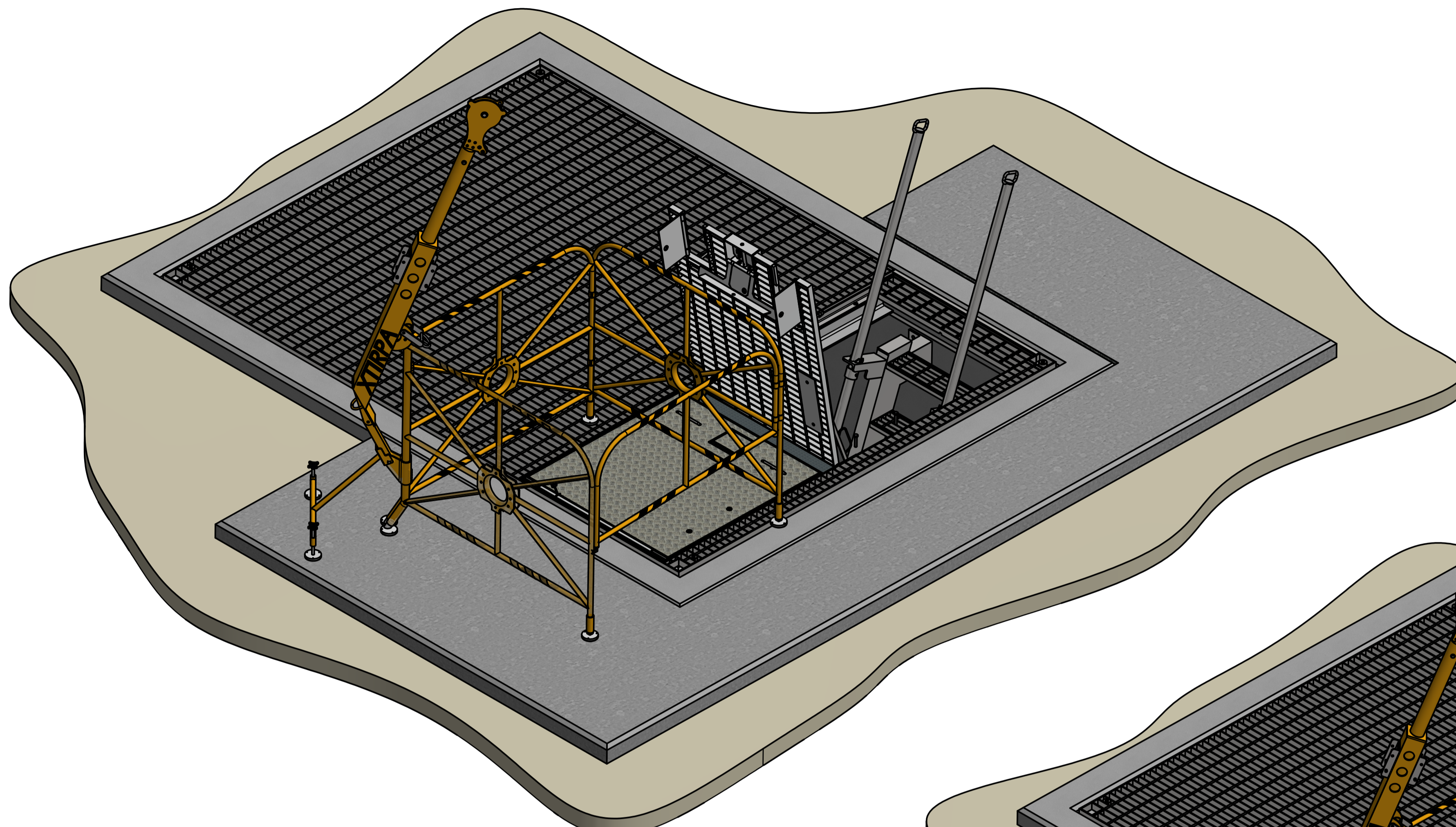
1. THE PURPOSE OF THIS DRAWING IS TO ILLUSTRATE HOW ICON WATER MAINTENANCE PERSONEL MAY ACCESS STANDARD MAINTENANCE HOLES AND OTHER BURIED MAINTENANCE STRUCTURES SUCH AS VALVE CHAMBERS. DESIGNERS SHALL TAKE INTO CONSIDERATION METHODS OF ACCESS, EGRESS AND FREE FALL ARREST WHEN DESIGNING SUCH STRUCTURES. 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.

DAM	<input checked="" type="checkbox"/>	RES	<input checked="" type="checkbox"/>	SPS	<input checked="" type="checkbox"/>
BWS	<input checked="" type="checkbox"/>	WAT	<input checked="" type="checkbox"/>	STP	<input checked="" type="checkbox"/>
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ASSET AREA APPLICABILITY					

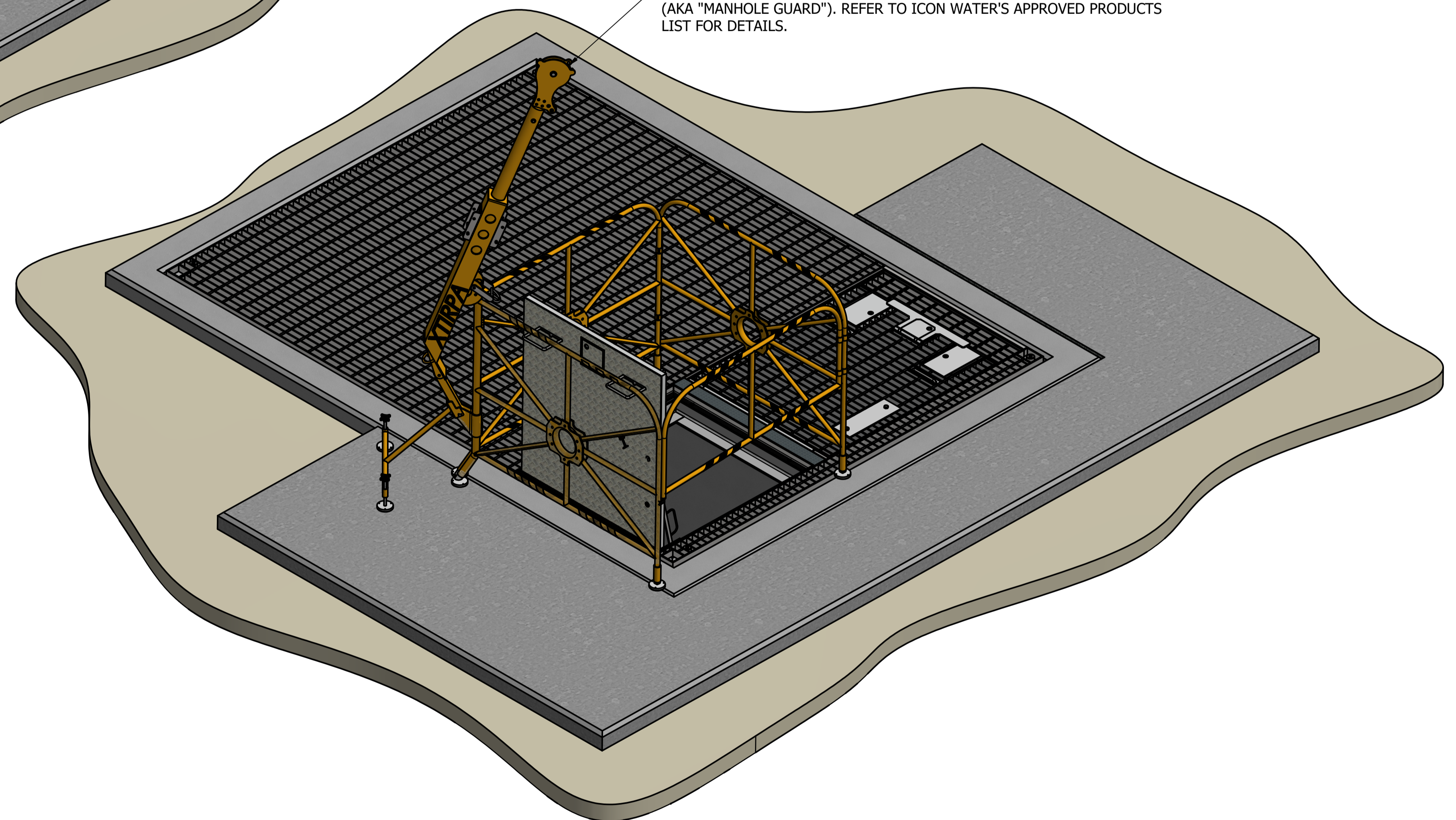


STANDARD DRAWING
 PORTABLE EDGE PROTECTION AND DAVITS
 SETUP AROUND HATCHES AND COVERS
 EXAMPLE INSTALLATIONS SHEET 1 OF 2

DRAWING STATUS		Current
No.		ISSUE
1		A
DATE		© Icon Water 2017
DRAWN		
CHECKED		
AUTHORISED		



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



INTEGRATED LIMITED FREE FALL ARREST WITH EDGE PROTECTION (AKA "MANHOLE GUARD"). REFER TO ICON WATER'S APPROVED PRODUCTS LIST FOR DETAILS.

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.

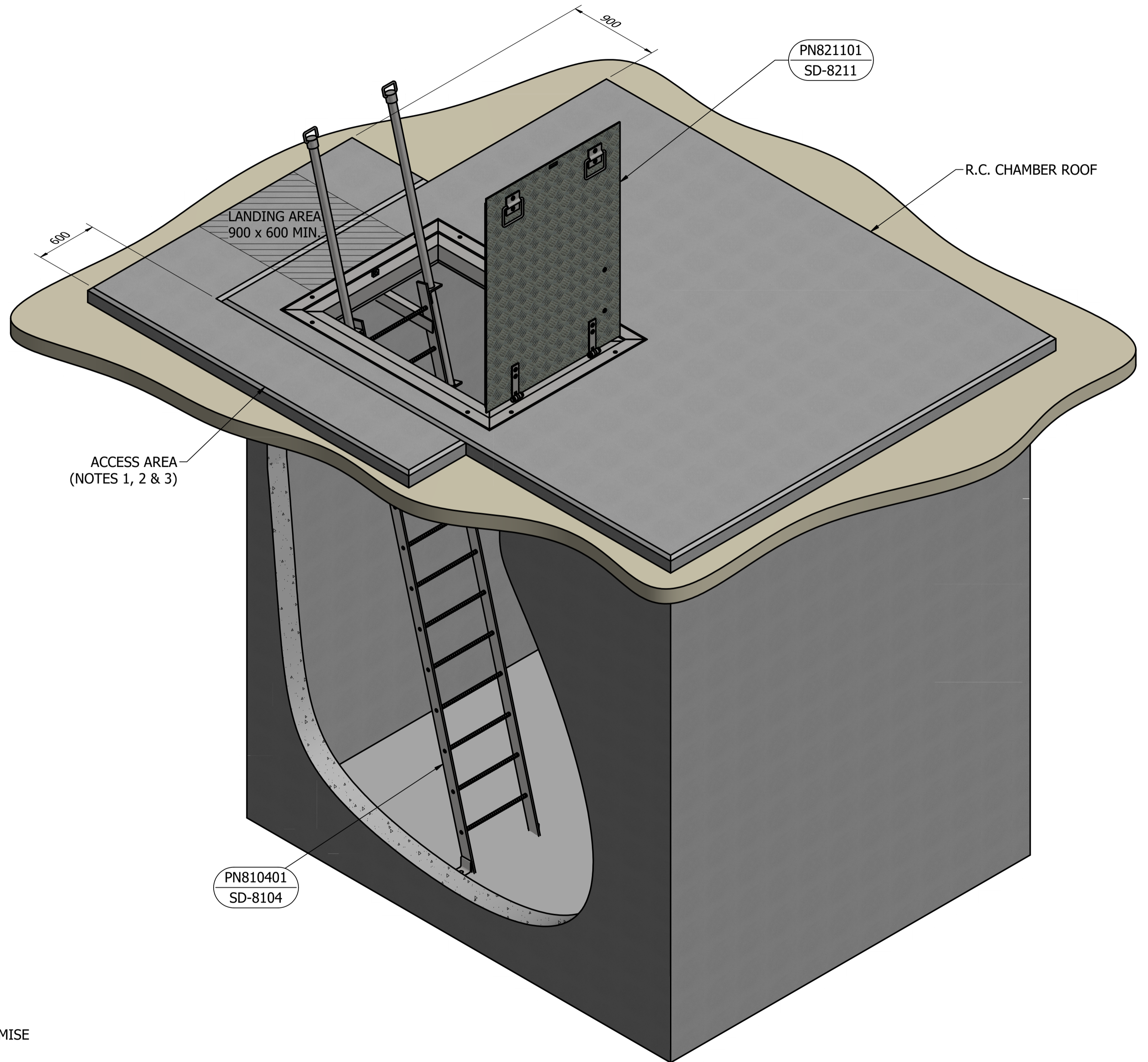
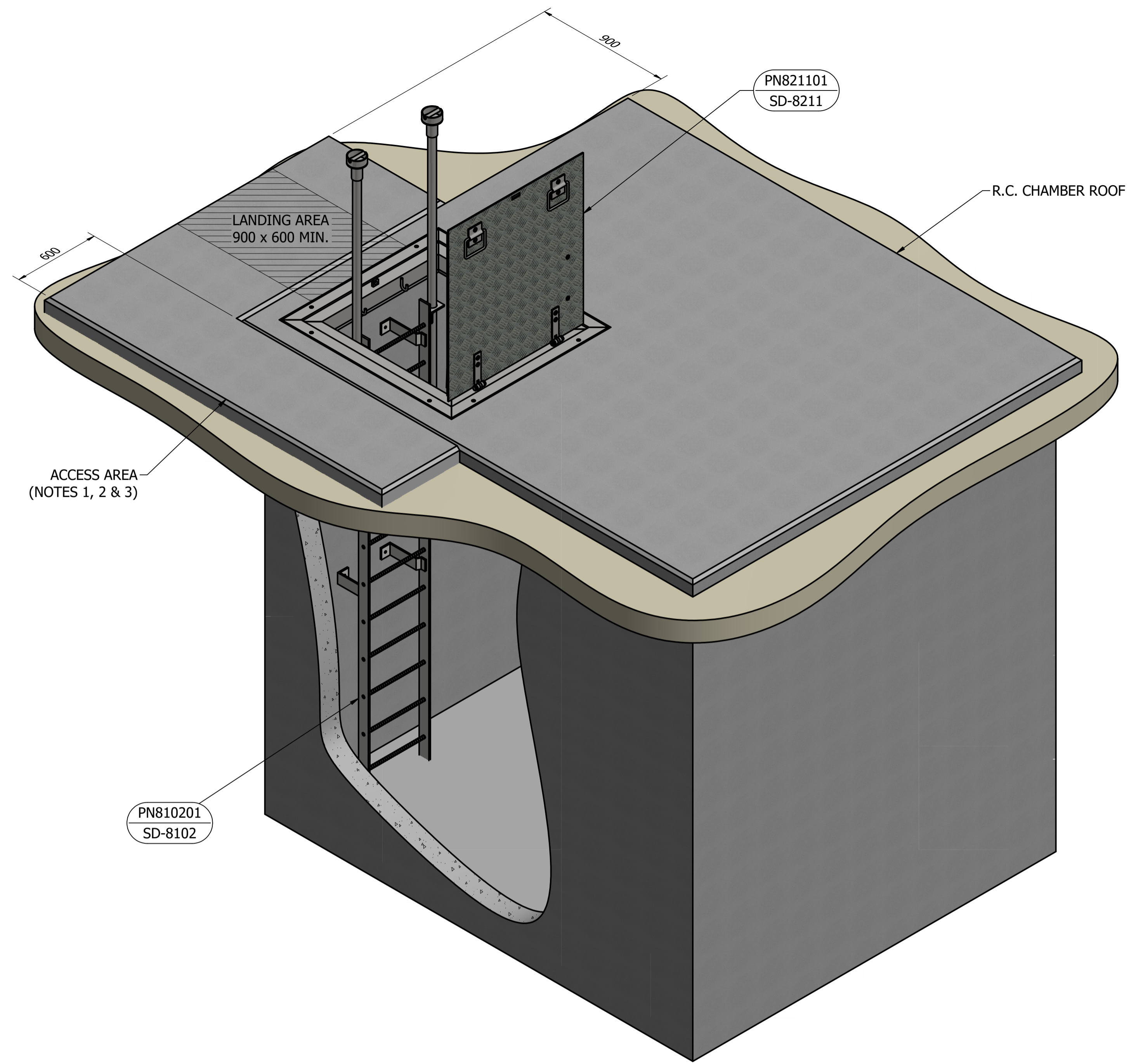
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BWS	<input checked="" type="checkbox"/>	WAT	<input checked="" type="checkbox"/>	STP	<input checked="" type="checkbox"/>
WTP	<input checked="" type="checkbox"/>	SEW	<input checked="" type="checkbox"/>		
WPS	<input checked="" type="checkbox"/>	REC	<input checked="" type="checkbox"/>		
ASSET AREA APPLICABILITY					



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

DRAWING STATUS		Current
No.		SD-8005-C
A1	ISSUE	A

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



- 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. 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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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		ISSUE A
A1	© Icon Water 2017	