

IN						
IIN	STALLATIO	N OF DUCT	TILE IRON V	VATER MAI	NS	
Maximun	T Joint Defle	ABLE 3 AW	/WA C600-0)5 - Push on 1	Type Joint	
			-igar or ripe	Approxima	ate Radius]
		Maximum (Inc	Offset - S*	of Cur	ve - R*	
			103)	Successio	n of Joints	
Nominal	Deflection	Joint	Joint	Joint	Joint	
Pipe Size (inches)	Angle - θ	Length	Length 20-Feet	Length	Length 20-Feet	
3	(dogroo)	19	201 000	205	230	-
4	5°	19	21	205	230	-
6	5°	19	21	205	230	_
8	5°	19	21	205	230	_
10	5°	19	21	205	230	-
12	5°	19	21	205	230	-
14	3°	11	12	340	380	-
16	3°	11	12	340	380	-
18	3°	11	12	340	380	-
20	3°	11	12	340	380	_
24	3°	11	12	340	380	-
30	3°	11	12	340	380	-
* SEE FIG	URE 4.		1	1		1
For 14-incl	n and larger	oush-on join	ts, maximur	n deflection	angle may	
be larger tr	ian shown a	bove. Cons	uit the mant	liacturer.		
IN	STALLATIO	N OF DUCT	ILE IRON V	VATER MAI	NS	
Maximum	Joint Deflect	ABLE 4 AW	WA C600-0 ath of Pipe -	15 - Mechanica	Joint Pine	
	Believe		gui or i pe	Approvim	ate Radius	1 /
		Maximum Offset - S*		of Curve - R*		
		(Inches)		Produced by		
Nominal	Deflection	loint	loint			-
Pipe Size	Angle - θ	Length	Length	Length	Length	
(inches)	(degree)	18-Feet	20-Feet	18-Feet	20-Feet	-
3	8°-18"	31	35	125	140	-
4	8°-18"	31	35	125	140	-
6	7°-07"	27	30	145	160	_
8	5°-21"	20	22	195	220	-
10	5°-21"	20	22	195	220	-
12	5°-21"	20	22	195	220	-
14	3°-35"	13.5	15	285	320	-
16	3°-35"	13.5	15	285	320	-
	3~-00"	11	12	340	380	-
20	3°-00"	11	12	340	380	-
24	2 - 23	9	10	450	500]
* SEE FIG	URE 4.					
* SEE FIG	URE 4. WES	TERN V	IRGINIA	REGIO	NAL - (CONSTRU
* SEE FIG	WES	TERN V	TIRGINIA	REGIOI	NAL - (
* SEE FIG	WES	DEF	TRGINIA DUC LECTIO	REGIOI TILE IR N ALLO	NAL - C ON PIPI WANCE	E TABLES
* SEE FIG	URE 4. WES	DEF	T IRGINIA DUC LECTIO	REGIOI	NAL - C ON PIPI WANCE	E TABLES
* SEE FIG	URE 4.	DEF	DUC LECTIO	TILE IR N ALLO	NAL - C ON PIPI WANCE	E TABLES
* SEE FIG	URE 4. WES	DEF	DUC LECTIO	TILE IR	NAL - C ON PIPI WANCE	E TABLES
* SEE FIG	URE 4. WES	DEF	DUC LECTIO	TILE IR	NAL - C ON PIPI WANCE	E TABLES
* SEE FIG	URE 4. WES	DEF	DUC LECTIO	TILE IR	NAL - C ON PIPI WANCE	E TABLES
* SEE FIG	RS	DEF	T RGINIA DUC LECTIO	TILE IR N ALLO	NAL - C ON PIPI WANCE	E TABLES
* SEE FIG 2" LETTE (RECESS FI 11	RS ED SH)	DEF	IRGINIA DUC LECTIO	NON-SLIP	NAL - C ON PIPI WANCE	
* SEE FIG 2" LETTE (RECESS FLUS	RS ED SH)	DEF		NON-SLIP TEXTURE	NAL - C	STOP LUGS
* SEE FIG 2" LETTE (RECESS FLUS	RS ED SH)	DEF		NON-SLIP TEXTURE (2) CLOSE	NAL - C	STOP LUGS
* SEE FIG 2" LETTE (RECESS FLUS	RS ED SH)			NON-SLIP TEXTURE (2) CLOSE PICKHOLI	NAL - C ON PIPI WANCE	CONSTRUE TABLES
* SEE FIG	RS ED SH)			NON-SLIP TEXTURE (2) CLOSE PICKHOLI	NAL - C ON PIPI WANCE	STOP LUGS
* SEE FIG	RS ED SH)			NON-SLIP TEXTURE (2) CLOSE PICKHOLI	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH)			NON-SLIP TEXTURE (2) CLOSE PICKHOLI	NAL - C ON PIPI WANCE	STOP LUGS
* SEE FIG	RS ED SH)			NON-SLIP TEXTURE (2) CLOSE PICKHOLI	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH)	DEF		NON-SLIP TEXTURE (2) CLOSE PICKHOLI (2) PICKBAR SEE DETAIL BELOW	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH)			NON-SLIP TEXTURE (2) CLOSE PICKHOLI (2) PICKBAF SEE DETAIL 3ELOW	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH			NON-SLIP TEXTURE (2) CLOSE PICKHOLI (2) PICKBAF SEE DETAIL 3ELOW	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH)			NON-SLIP TEXTURE (2) CLOSE PICKHOLI (2) PICKBAF SEE DETAIL BELOW		STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH SH	DEF	IRGINIA DUC LECTIO	NON-SLIP TEXTURE (2) CLOSE PICKHOLI (2) CLOSE PICKHOLI (2) PICKBAF SEE DETAIL BELOW ATING UTIL THE WVWA I-LOGO MAI LED "SEWF	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH)		IRGINIA DUC LECTIO	A REGIOI	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH)		IRGINIA DUC LECTIO	NON-SLIP TEXTURE (2) CLOSE PICKHOLI (2) CLOSE PICKHOLI (1" 2) PICKBAF SEE DETAIL BELOW ATING UTIL THE WVWA I-LOGO MAI LED "SEWE	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH)		IRGINIA DUC LECTIO	A REGIOI	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH)		IRGINIA DUC LECTIO	NON-SLIP TEXTURE (2) CLOSE PICKHOLI (2) CLOSE PICKHOLI (1" 2) PICKBAF SEE DETAIL BELOW ATING UTIL THE WVWA -LOGO MAI LED "SEWE STITUTED	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH SH		IRGINIA DUC LECTIO	A REGIOI	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH) SH) SH) SH) SH)		IRGINIA DUC LECTIO	NON-SLIP TEXTURE (2) CLOSE PICKHOLI (2) CLOSE PICKHOLI (1" 2) PICKBAF SEE DETAIL 3ELOW ATING UTIL THE WVWA LOGO MAI LED "SEWE SSTITUTED	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH) SH) SH) SH)		IRGINIA DUC LECTIO	NON-SLIP TEXTURE (2) CLOSE PICKHOLI (2) CLOSE PICKHOLI (1" 2) PICKBAR SEE DETAIL BELOW ATING UTIL THE WVWA I-LOGO MAI I-LOGO MAI I-LOGO MAI I-LOGO MAI I-LOGO MAI I-LOGO MAI I-LOGO MAI	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH) SH) SH) SH) SH)		PARTICIP HER THAN VERS LABE	A REGIOI	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH) SH) SH) SH) SH) SH)		IRGINIA DUC LECTIO	A REGIOI	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH SH SH SH SH SH SH SH SH SH SH SH SH		IRGINIA DUC LECTIO	A REGIOI	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH) SH) SH) SH) SH) SH) SH) SH)		IRGINIA DUC LECTIO	A REGIOI	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH) SH) SH) SH) SH) SH	DEF	IRGINIA DUC LECTIO	NON-SLIP TEXTURE (2) CLOSE PICKHOLI (2) CLOSE PICKHOLI (1" 2) PICKBAF SEE DETAIL BELOW ATING UTIL THE WVWA -LOGO MAI LED "SEWE STITUTED (1 1/2" (1 1/4" Ø NEOP GASK	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH) SH) SH SH		PARTICIP HER THAN VERS LABE	A REGIOI	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM
* SEE FIG	RS ED SH) SH) SH) SH) SH) SH) SH) SH SH	DEF DEF DEF DEF DEF DEF DEF DEF DEF DEF	IRGINIA DUC LECTIO	A REGIOI	NAL - C ON PIPI WANCE	STOP LUGS FOR CAM

WATERTIGHT MANHOLE COVER

.63" Ø STAINLESS STEEL ROD

PICKBAR DETAIL

STANDARD MANHOLE COVER



APPROVED, 8/4/2021