



STANDARD CONSTRUCTION DRAWING FOR

G.I. FITTINGS

ED: ___ Date: ___ PMO: ___ Date: ___ MSSD: ___ Date: ___ MEQC: ___ Date: ___ PMD-N: ___ Date: ___

SHEET

CD: ___ Date: ___ PDD: ___ Date: ___ SCID: ___ Date: ___ MMD: ___ Date: ___ PMD-S: ___ Date: ___

No. 1/7



GENERAL NOTES :

All fittings shall be Black Hot-Dipped Galvanized casted malleable iron conforming to ASTM A338 - 84 (2009) Standard Specification for Malleable Iron Flanges, Pipe Fittings, and Valve Parts for Railroad, Marine, and Other Heavy Duty Service at Temperatures Up to 345°C; ASTM A153 Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; and latest edition of governing Philippine Nat'l Standards (PNS).

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STANDARD SHOP DRAWING FOR

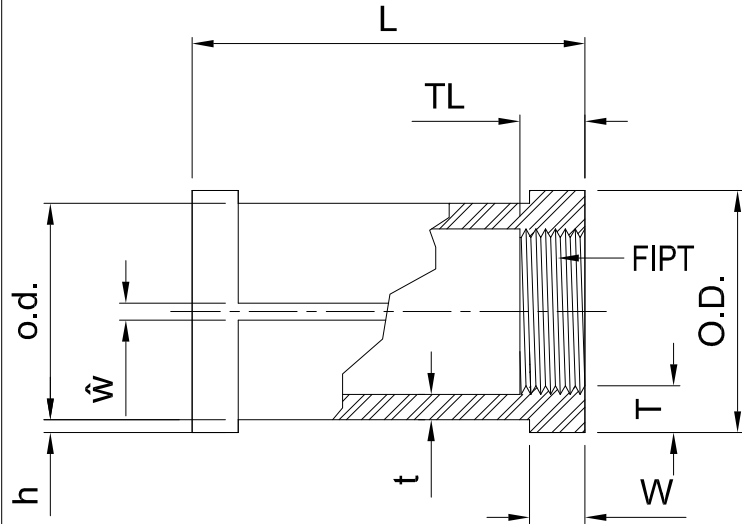
G.I. FITTINGS - COUPLINGS AND SOCKET REDUCERS

ED: ___ Date: ___ PMO: ___ Date: ___ MSSD: ___ Date: ___ MEQC: ___ Date: ___ PMD-N: ___ Date: ___

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No. 2/7



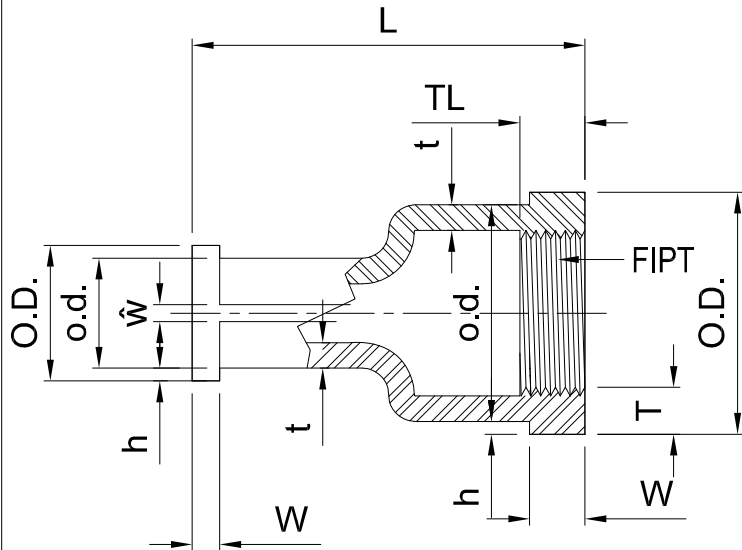
NOMINAL SIZE	o.d.	O.D.	L	TL	ŵ	h	W	T	t	THICKNESS TOLERANCE
(mm) (in.)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
15 (1/2)										+0.50 -0.25
20 (3/4)										+0.50 -0.25
25 (1)										+0.50 -0.25
50 (2)										+0.75 -0.25

SPECIFICATIONS:

Please refer to the cover page for details.

NOTE:

- MIPT - Male Iron Pipe Thread
- FIPT - Female Iron Pipe Thread





STANDARD SHOP DRAWING FOR

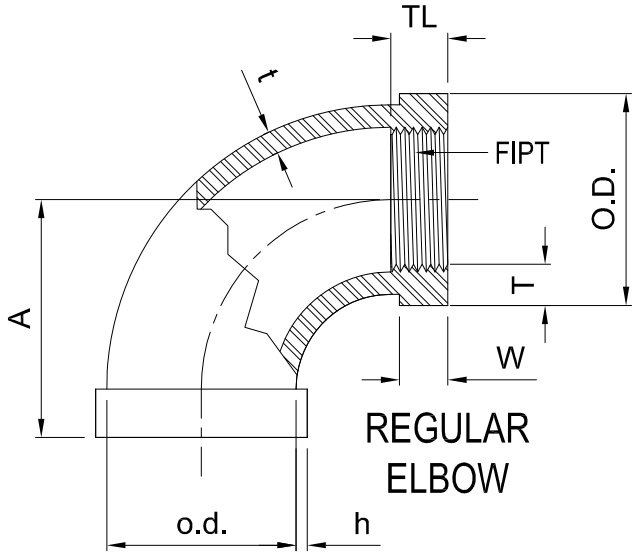
G.I. FITTINGS - ELBOWS

ED: _____ Date: _____ PMO: _____ Date: _____ MSSD: _____ Date: _____ MEQC: _____ Date: _____ PMD-N: _____ Date: _____

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No. 3/7



REGULAR ELBOW

NOMINAL SIZE	o.d.	O.D.	A	B	C	h	W	TL	ETL	Tx	T	t	THICKNESS TOLERANCE
(mm) (in.)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
15 (1/2)													+0.50 -0.25
20 (3/4)													+0.50 -0.25
25 (1)													+0.50 -0.25
50 (2)													+0.75 -0.25

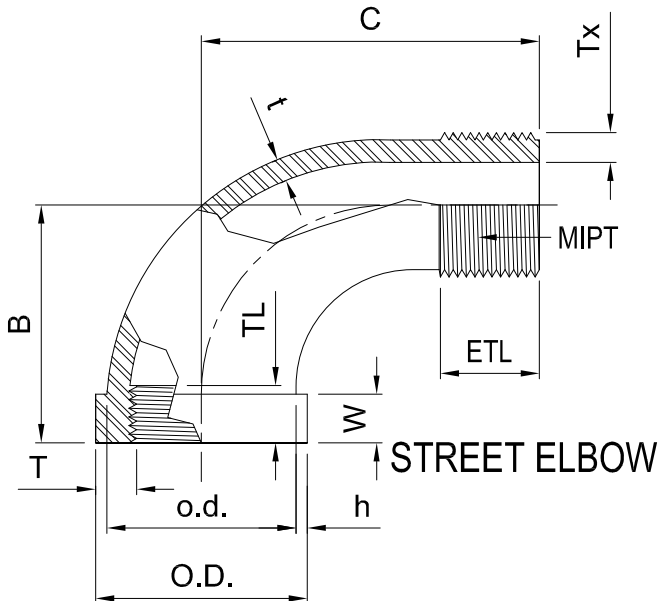
SPECIFICATIONS:

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NOTE:

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STREET ELBOW



STANDARD CONSTRUCTION DRAWING FOR

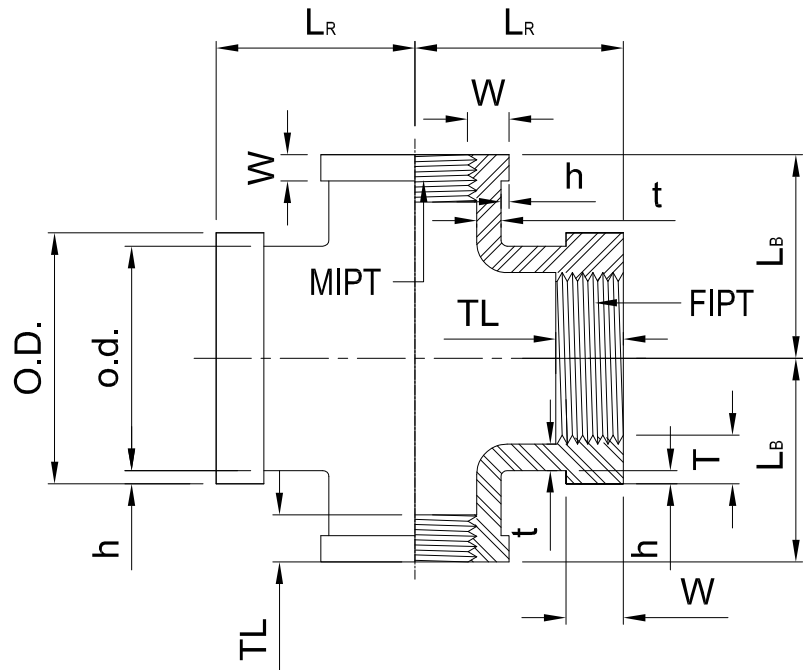
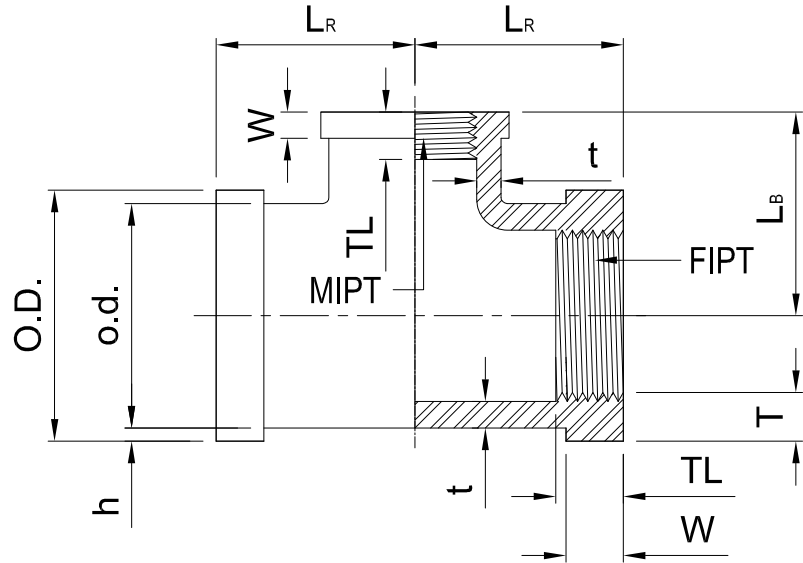
G.I. FITTINGS - TEES AND CROSS TEES

ED: ___ Date: ___ PMO: ___ Date: ___ MSSD: ___ Date: ___ MEQC: ___ Date: ___ PMD-N: ___ Date: ___

CD: ___ Date: ___ PDD: ___ Date: ___ SCID: ___ Date: ___ MMD: ___ Date: ___ PMD-S: ___ Date: ___

SHEET

No. 4/7



NOMINAL SIZE	o.d.	O.D.	L _R	L _B	TL	W	h	T	t	THICKNESS TOLERANCE
(mm) (in.)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
15 (1/2)										+0.50 -0.25
20 (3/4)										+0.50 -0.25
25 (1)										+0.50 -0.25
50 (2)										+0.75 -0.25

SPECIFICATIONS:

Please refer to the cover page for details.

NOTE:

MIPT - Male Iron Pipe Thread

FIPT - Female Iron Pipe Thread



STANDARD CONSTRUCTION DRAWING FOR

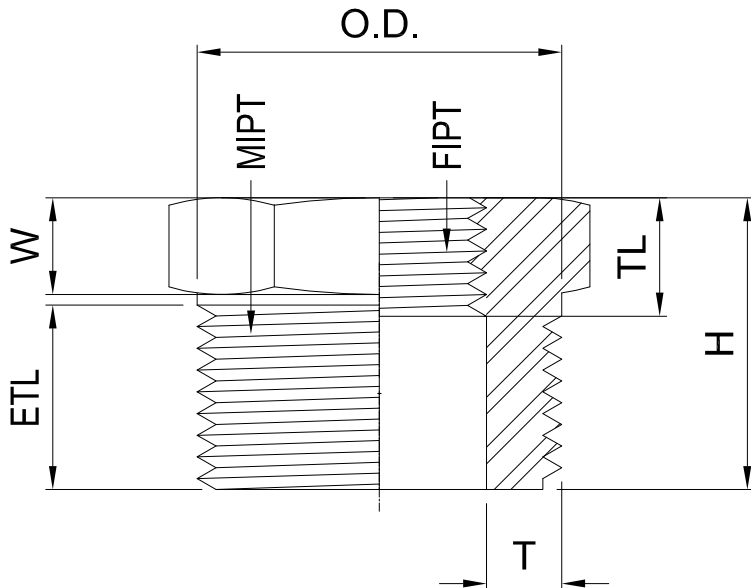
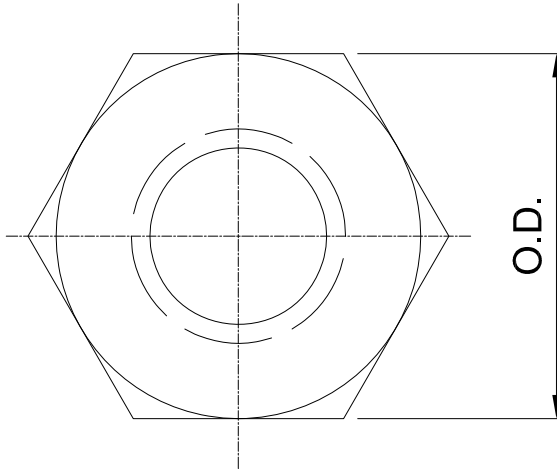
G.I. FITTINGS - BUSHING REDUCERS

ED: ___ Date: ___ PMO: ___ Date: ___ MSSD: ___ Date: ___ MEQC: ___ Date: ___ PMD-N: ___ Date: ___

CD: ___ Date: ___ PDD: ___ Date: ___ SCID: ___ Date: ___ MMD: ___ Date: ___ PMD-S: ___ Date: ___

SHEET

No. 5/7



NOMINAL SIZE		O.D.	W	TL	ETL	H	T	THICKNESS TOLERANCE
(mm)	(in.)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
20 x 15	(3/4 x 1/2)							+0.50 -0.25
25 x 20	(1 x 3/4)							+0.50 -0.25
25 x 15	(1 x 1/2)							+0.50 -0.25
50 x 25	(2 x 1)							+0.75 -0.25
50 x 20	(2 x 3/4)							+0.75 -0.25
50 x 15	(2 x 1/2)							+0.75 -0.25

SPECIFICATIONS:

Please refer to the cover page for details.

NOTE: MIPT - Male Iron Pipe Thread
 FIPT - Female Iron Pipe Thread



STANDARD CONSTRUCTION DRAWING FOR

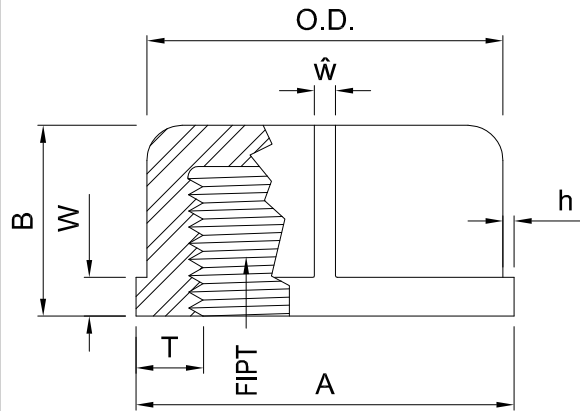
G.I. FITTINGS - PLUGS AND END CAPS

ED: _____ Date: _____ PMO: _____ Date: _____ MSSD: _____ Date: _____ MEQC: _____ Date: _____ PMD-N: _____ Date: _____

SHEET

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No. 6/7



NOMINAL SIZE (mm) (in.)	o.d.	O.D.	A	B	L	X	h	W	Ŵ	TL	Y	T	t	THICKNESS TOLERANCE (mm)
15 (1/2)														+0.50 -0.25
20 (3/4)														+0.50 -0.25
25 (1)														+0.50 -0.25
50 (2)														+0.75 -0.25

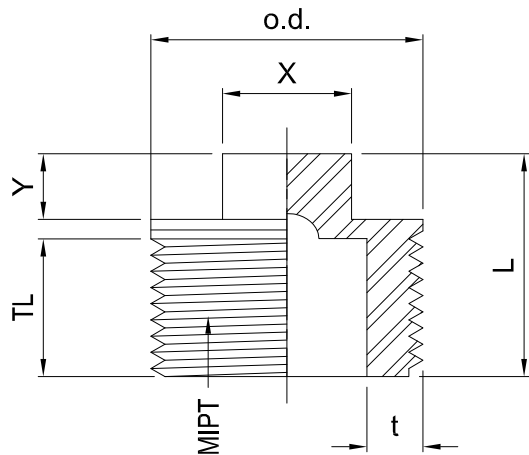
SPECIFICATIONS:

Please refer to the cover page for details.

NOTE:

MIPT - Male Iron Pipe Thread

FIPT - Female Iron Pipe Thread





METROPOLITAN CEBU WATER DISTRICT
TECHNICAL STANDARDS COMMITTEE

Prepared and submitted by the

Technical Standards Committee

SHOP DRAWING

No. DS34-01:2009

STANDARD CONSTRUCTION DRAWING FOR

G.I. FITTINGS - UNIONS

ED: _____ Date: _____ PMO: _____ Date: _____ MSSD: _____ Date: _____ MEQC: _____ Date: _____ PMD-N: _____ Date: _____

SHEET

CD: _____ Date: _____ PDD: _____ Date: _____ SCID: _____ Date: _____ MMD: _____ Date: _____ PMD-S: _____ Date: _____

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