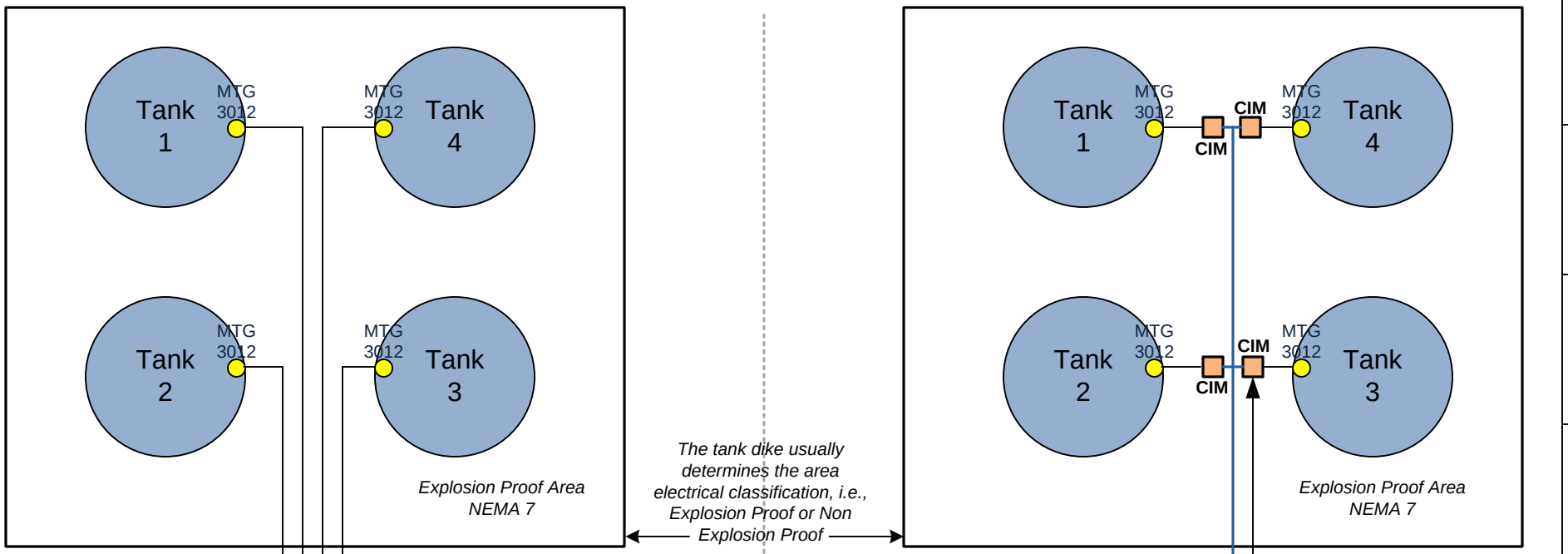

Communication Interface Module:

NEMA 4x Weather Proof
(Outside EXP Area)
One CIM per Four (4) MTG 3012
1) Data concentrator
2) Local display
3) Protocol converter
4) Topology converter
5) Houses I.S. Barriers for MTG's
6) Supplies power to MTG's (12vdc)
7) Point of I.S. Ground
(see MTG Control Drawing)

Optional (room for within NEMA 4x):
Ethernet Switch / Redundant topology
Radio, Cellular, Satellite, etc.

Standard CIM output:

IEEE RS 485 or RS 232 Electrical
MODBUS RTU Protocol
(MODBUS TCP/IP)
Options available..

Communication Interface Modules:

NEMA 7 – Explosion Proof
(Inside the EXP Area)
One CIM per MTG 3012
1) Data concentrator
2) Local display
3) Protocol converter
4) Topology converter
5) Houses I.S. Barriers for MTG's
6) Supplies power to MTG's (12vdc)
7) Point of I.S. Ground
(see MTG Control Drawing)

Options (Limited room within NEMA 7):
Minimal options
Costly for larger enclosure

Gauging Systems Inc.	**Area Location of CIM's**			
	Interface Configurations for Explosion Proof (EXP) and Non Explosion Proof Areas			
	SIZE	FSCM NO	DWG NO DW100119-JH	REV
Sugar Land, Texas, USA	SCALE 1 : 1		SHEET 1 OF 1	

Note: All of Gauging Systems Inc. manufactured Interfaces (E/TGI, E/IFI, & CIM) utilize the same enclosures and options based upon enclosure rating for the installation area (NEMA 4x or NEMA 7 EXP).

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