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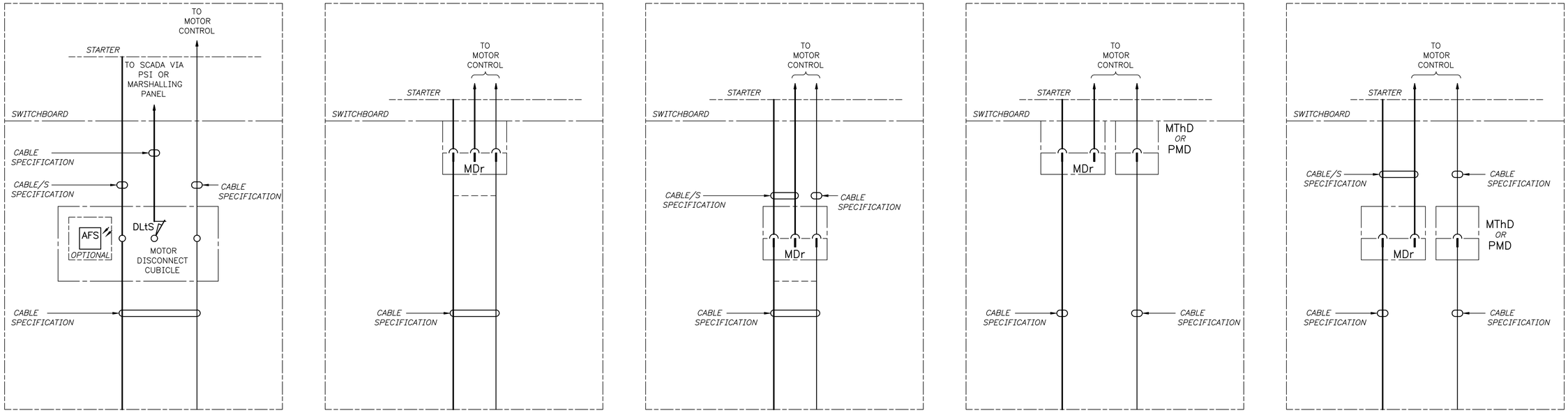

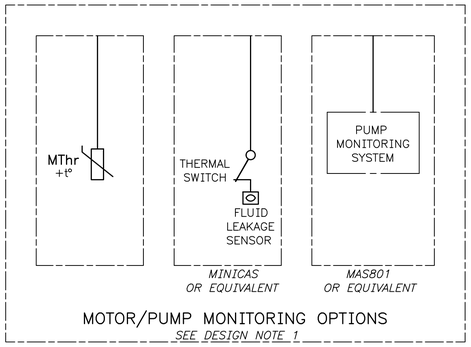

LEGEND

AFS — ARC FLASH SENSORS LOCATED WITHIN

CODE SCHEDULE

AFS	ARC FLASH SENSOR
DLtS	DOOR LIMIT SWITCH
MDr	MOTOR DECONTACTOR
MThD	MOTOR THERMISTOR DECONTACTOR
MThr	MOTOR THERMISTOR
PMD	PUMP MONITORING DECONTACTOR
PSI	POWER SYSTEM INTERFACE

DESIGN NOTES

1. *MINICAS AND MAS801 MONITORS ARE SPECIFIC TO FLYGT PUMPING SYSTEMS*
2. *USE OF SEPARATE DECONTACTORS IS NON–STANDARD. STANDARD SUBMERSIBLE SEWAGE PUMP MOTORS SHALL BE FITTED WITH A SINGLE CABLE WITH INTEGRAL POWER AND CONTROL CORES*
3. *MOTOR AND PUMP MONITORING MAY ALSO BE DIRECT CONNECTED DEPENDENT ON PROJECT REQUIREMENTS*
4. *THE CONNECTION/DISCONNECTION METHOD (i.e. DECONTACTOR OR DISCONNECT CUBICLE) SHALL BE DETERMINED BY THE DESIGNER IN CONSULTATION WITH THE DESIGN MANAGER. THE MAXIMUM RATING OF A DECONTACTOR SHALL NOT EXCEED 90A*

ISSUE	DATE	GRID	REVISION	DRN	REC	APPD
D	03/2021		MOTOR DISCONNECT CUBICLE DOOR LIMIT SWITCH REVISED	PH	~~TK~~	~~EG~~
C	06/2019		DESIGN NOTE 4 ADDED	PH	EG	KJ
B	05/2018		DECONTACTOR SYMBOLOGY REVISED; DOOR LIMIT SWITCH AND MDr INTERLOCK CIRCUIT ADDED; NOTE 4 DELETED	PH	EF	KOG

DESIGN SURVEY NONE | ASCON SURVEY NONE | VERTICAL DATUM NONE | COORDINATE SYS NONE | DES REF | DES CALC E FONG | DES CHD K O'GRADY | DRN P HARVEY | Q.C. CHD S MEMORY | NORTH POINT

ENGINEERING

SUBMITTED 24/07/2017 — E FONG (SIGNED) — SENIOR ENGINEER – ELECTRICAL

RECOMMENDED 24/07/2017 — K O'GRADY (SIGNED) — PRINCIPAL ENGINEER – ELECTRICAL

APPROVED 24/07/2017 — N JOHNSON (SIGNED) — SNR PRINCIPAL ENGINEER – ELECT

WATER CORPORATION

ELECTRICAL STANDARD SWITCHBOARD DESIGNS
SMALL PUMP STATIONS
PRIMARY DESIGN – POWER DIAGRAM TEMPLATE OPTIONS
MOTOR CONNECTIONS – WASTEWATER

FILE | PROJECT | PLAN MN01–12–2 | CAD | ISSUE D | ORIGINAL SHEET SIZE A1 | MF

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STANDARDS\APPROVED\MN01\MN01–012–002–01D 11:18 05/03/2021 HARVEYPO/WS27105

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