

NOTES AND SPECIFICATIONS

1. THE ENGINEER TO BE CONTACTED FOR SITE INSPECTIONS AT THE FOLLOWING STAGES OF CONSTRUCTION:
 1. ON COMPLETION OF EXCAVATIONS
 2. AFTER COMPACTION OF ROAD CROSSINGS
 3. INSTALLATION OF POLE FOOTINGS AND POLES.
 4. CONNECTION OF CABLES AND POWER SUPPLY AS PER DIAGRAM.
 5. INSTALLATION OF SIGNAL COMPONENTS, AND DETECTOR'S.
 6. INSTALLATION OF CONTROLLER.
 7. SITE INSTALLATION: MOUNTINGS, EARTHING, SEALANT, CONCRETE PLATFORM.
 8. COMMUNICATION INSTALLATION: CELLULAR & SIM CARD, TELKOM + ACCESS DUET + CONDUIT.
 9. COMMISSIONING

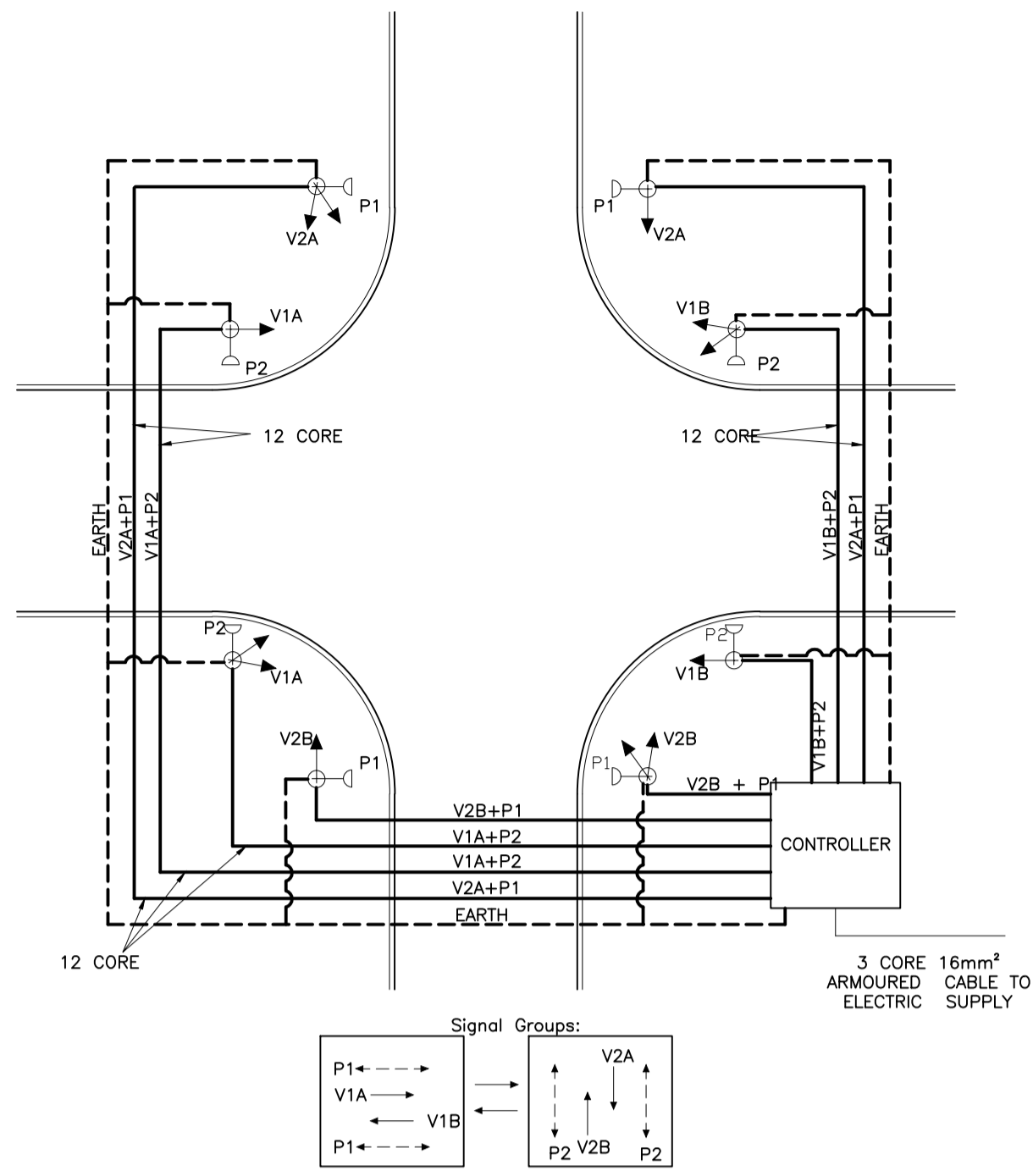


DIAGRAM 1A: CABLING AND PHASING DIAGRAM
STANDARD 2 PHASE TRAFFIC SIGNAL
Schematic

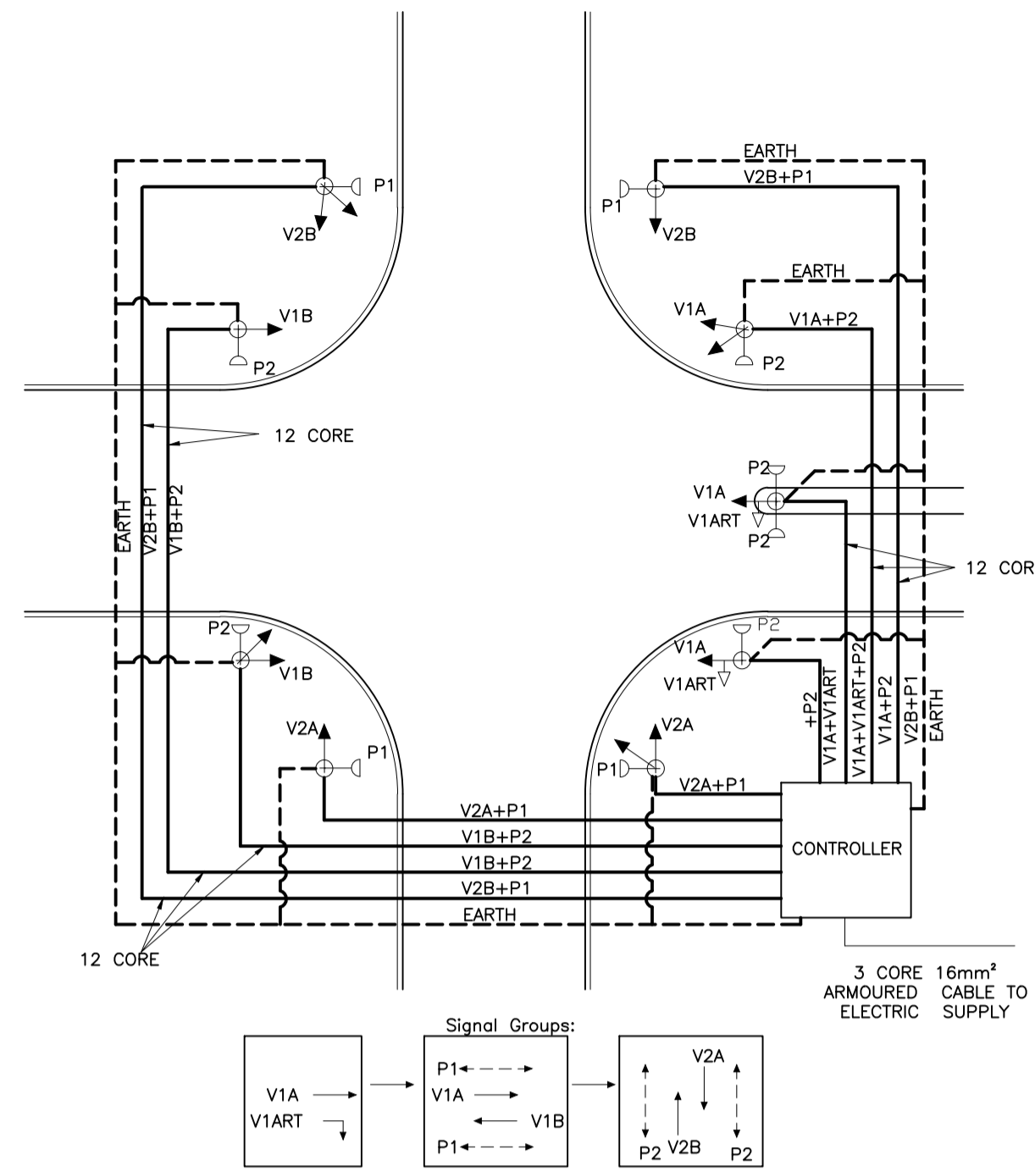


DIAGRAM 1B: CABLING AND PHASING DIAGRAM
TYPICAL 3 PHASE TRAFFIC SIGNAL
(SINGLE LEADING PHASE)
Schematic

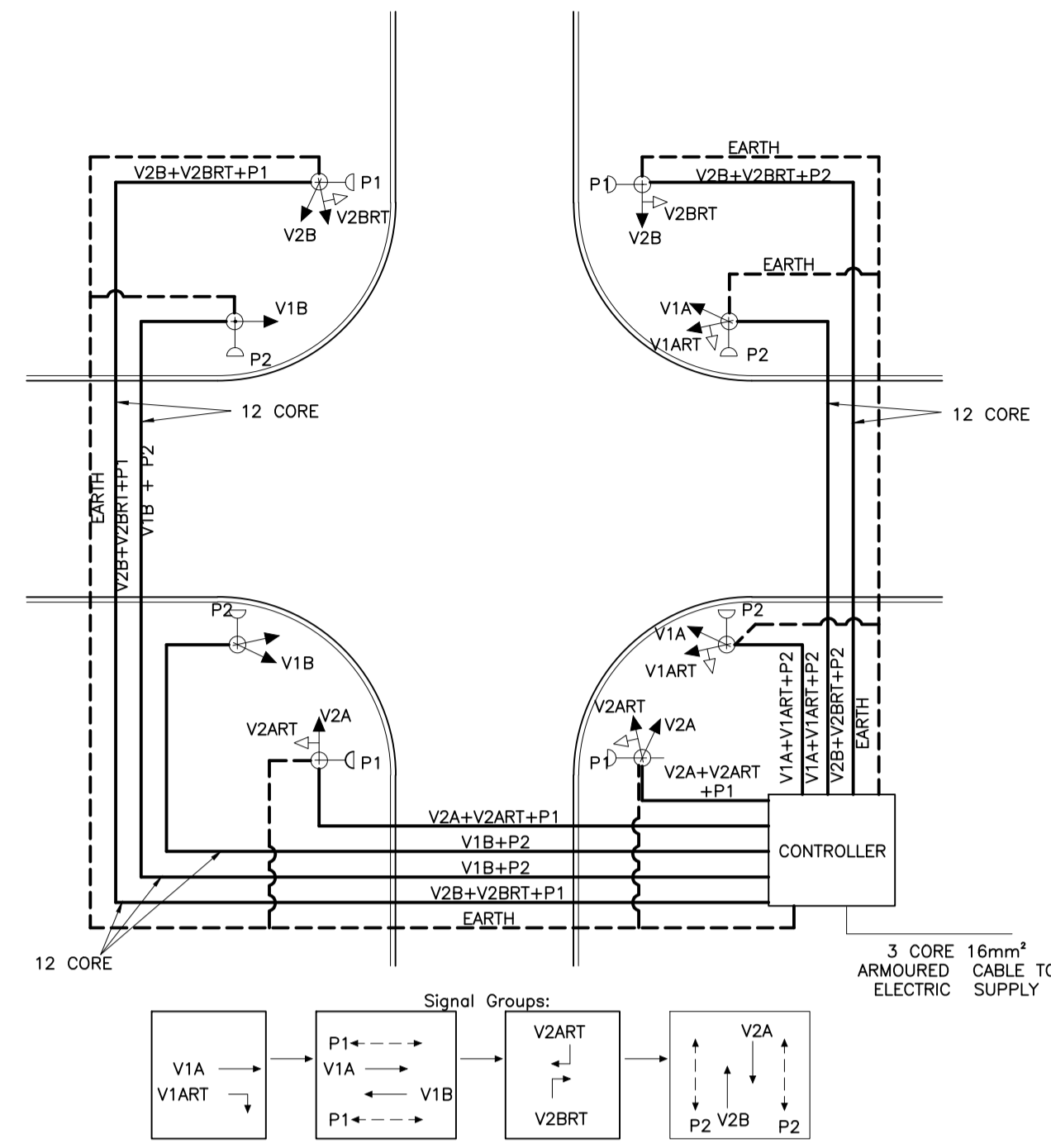


DIAGRAM 1C: CABLING AND PHASING DIAGRAM
TYPICAL 4 PHASE TRAFFIC SIGNAL
Schematic

TABLE 3C: CABLES BETWEEN CONTROLLER AND SIGNAL HEADS

USE	CABLE # OF CORES AND AREA
VEHICULAR PHASES, CAN BE USED FOR RED PHASES.	7 CORE x 1,5mm ² OR 12 CORE x 1,5mm ²
PEDESTRIAN PHASES, DETECTOR FEEDER CABLES, PEDESTRIAN PUSH BUTTONS.	4 CORE x 2,5mm ²
AS AND WHEN REQUIRED.	19 CORE x 1,5mm ²

TABLE 3D: CABLES BETWEEN POWER SUPPLY AND CONTROLLER

DISTANCE BETWEEN SUPPLY AND CONTROLLER	CABLE # OF CORES AND AREA
< 100m	4 CORE x 2,5mm ²
100 - 150m	4 CORE x 4mm ²
> 150m	3 CORE x 16mm ²

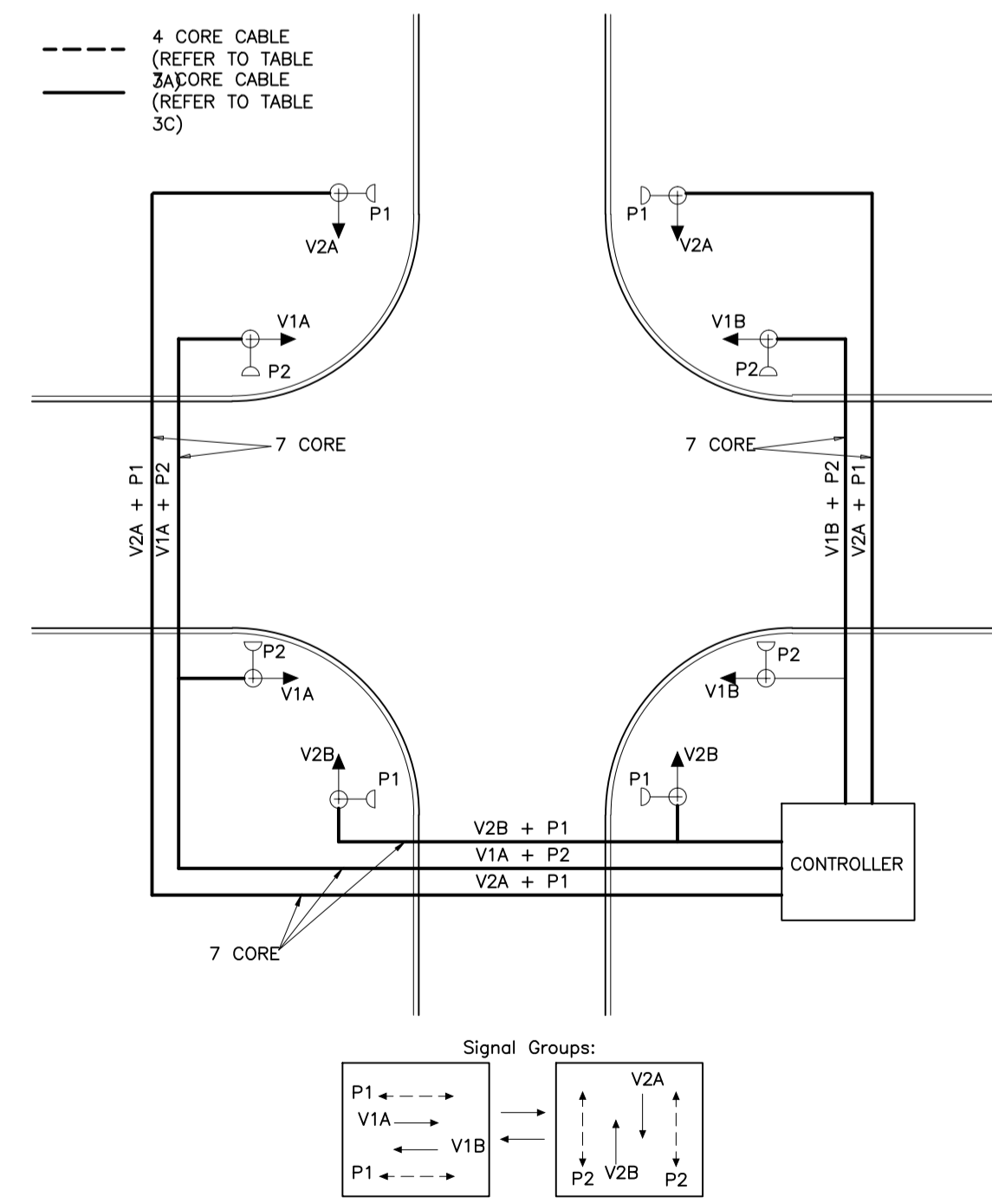


DIAGRAM 3A: CABLING AND PHASING DIAGRAM
STANDARD 2 PHASE TRAFFIC SIGNAL
Schematic

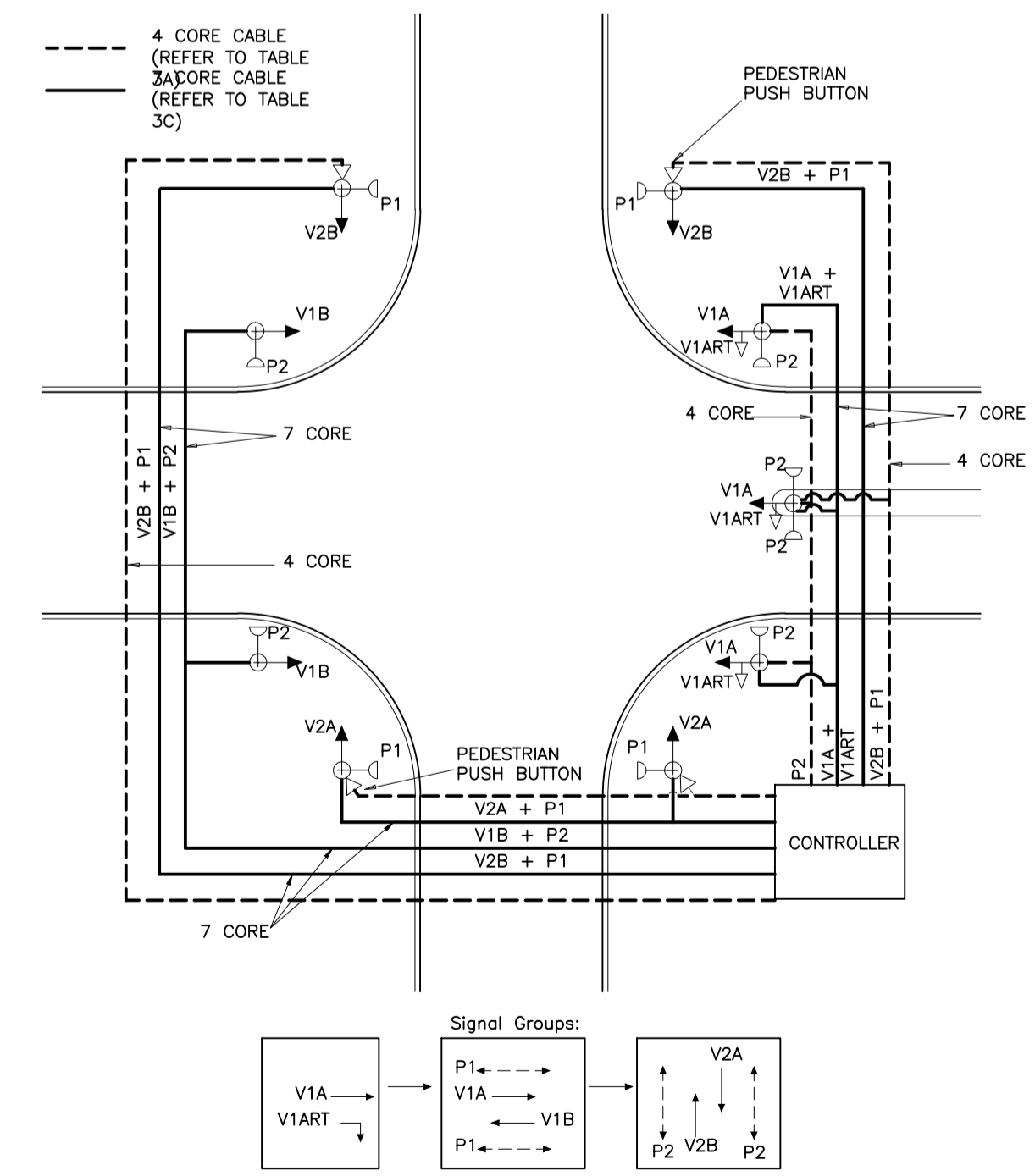


DIAGRAM 3B: CABLING AND PHASING DIAGRAM
TYPICAL 3 PHASE TRAFFIC SIGNAL
(SINGLE LEADING PHASE)
Schematic

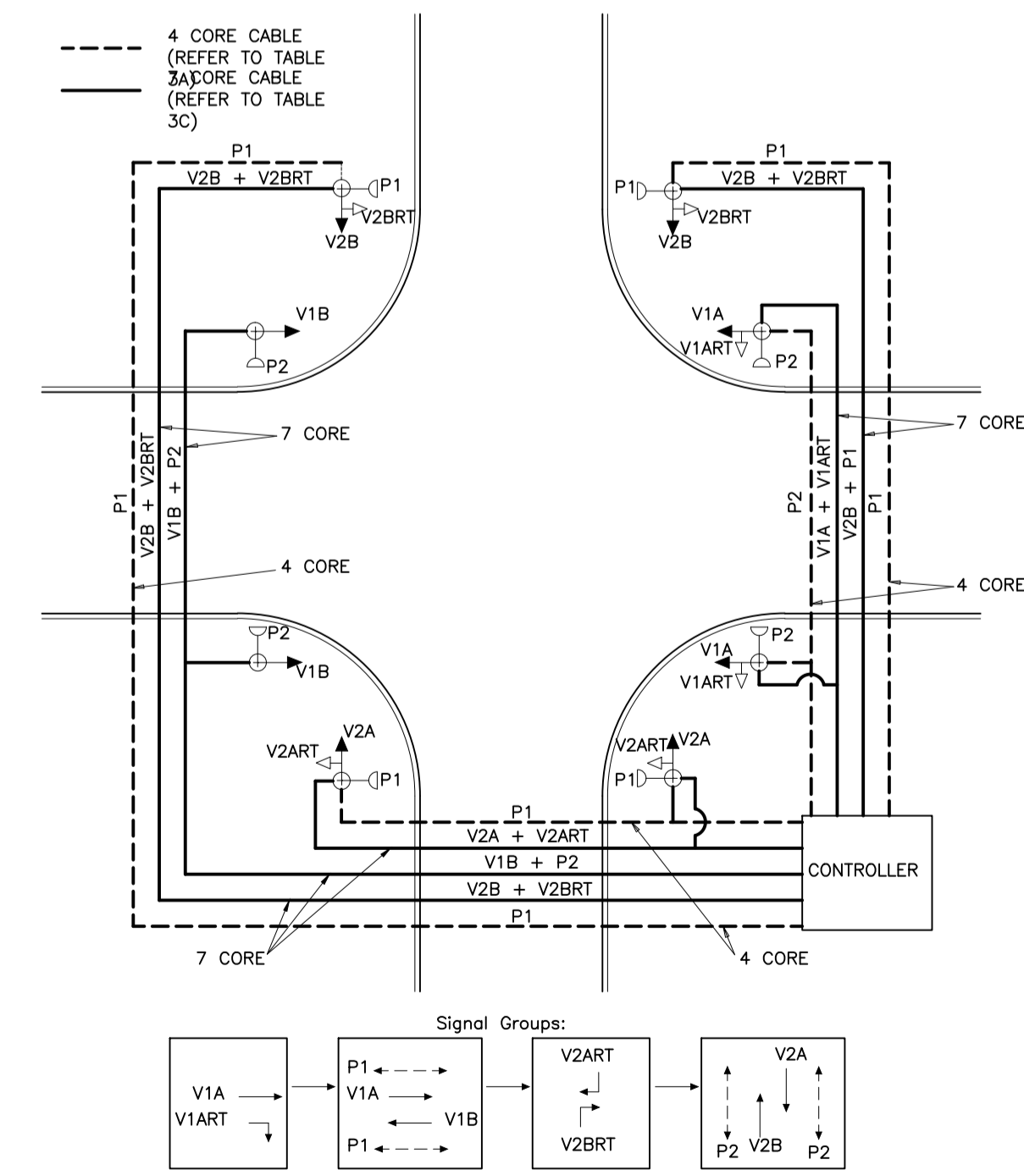


DIAGRAM 3C: CABLING AND PHASING DIAGRAM
TYPICAL 4 PHASE TRAFFIC SIGNAL
Schematic

AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.

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TYPICAL STANDARD DETAILS

TRAFFIC SIGNALS
CABLING DIAGRAMS

CONTRACT No.:	PROJECT No.:
DATE: FEBRUARY 2017	SCALE: AS SHOWN
DRAWING NO. STD019	SHEET NO. 4 OF 4

