

Cable Legend

- Austdac Lanyard Cable
- Fibre Backbone Connection
- Various Cables (By Others)

Conveyor Notes


1. Conveyor Stations Spaced Out Every 125mtrs.
2. Pre-Start Alarm Conveyor Stations Alternating Both Side.
3. Marshalling Panels Spaced Out Every 500mtrs.
4. Drive Motors Located at Head and Tail.
5. Motor Control Panel at 5000mtrs.
6. Conveyor Belt, Conveyor Stations, Marshalling Panels Between 375mtrs to 4750mtrs Not Shown.
7. Conveyor Belt, Conveyor Stations, Marshalling Panels Between 5250mtrs to 14250mtrs Not Shown.
8. Conveyor Belt, Conveyor Stations, Marshalling Panels Between 15000mtrs to 19500mtrs Not Shown.

- HubBus HBRX4D safety relay is fitted to the Tail End Control Panel with SIL2 rated outputs connected to the hardwired Emergency Stop / Pullwire control circuit of the Tail End Drives.
- The relay is programmed to look at the status of all Pullwires and Emergency Stops along the conveyor
- If a Pullwire Switch or Emergency Stop is operated the Patented Emergency Interrupt of the HubBus signal ensures the safety relay outputs Trip / Open within 300ms to stop the drives.
- Trip status is determined via communications to the HubBus controller.

NOT TO SCALE UNCONTROLLED COPY CHECK VALIDITY BEFORE USE

A	ISSUED FOR REVIEW	2019.05.03	ACB	AHJ	MG
ISSUE	DETAILS OF AMENDMENTS	DATE	DRAWN	CHECKED	APPROVED

COMMUNICATIONS & MONITORING FOR HAZARDOUS AREAS

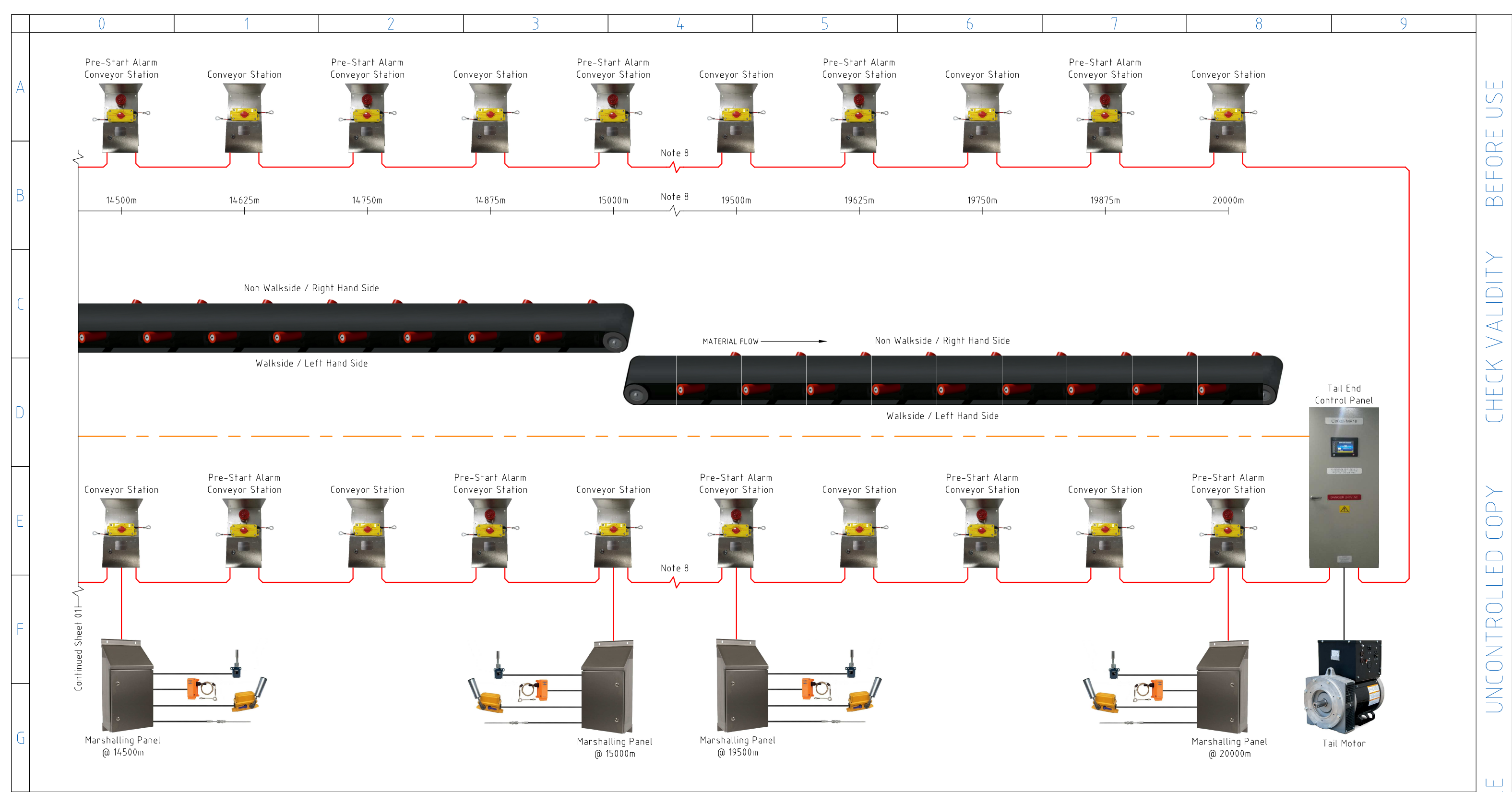


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TITLE
LONG DISTANCE CONVEYOR HUBBUS SYSTEM
BLOCK DIAGRAM

DOCUMENT NUMBER
TYPICAL
SHEET 01 OF 02

ISSUE
A
A3



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