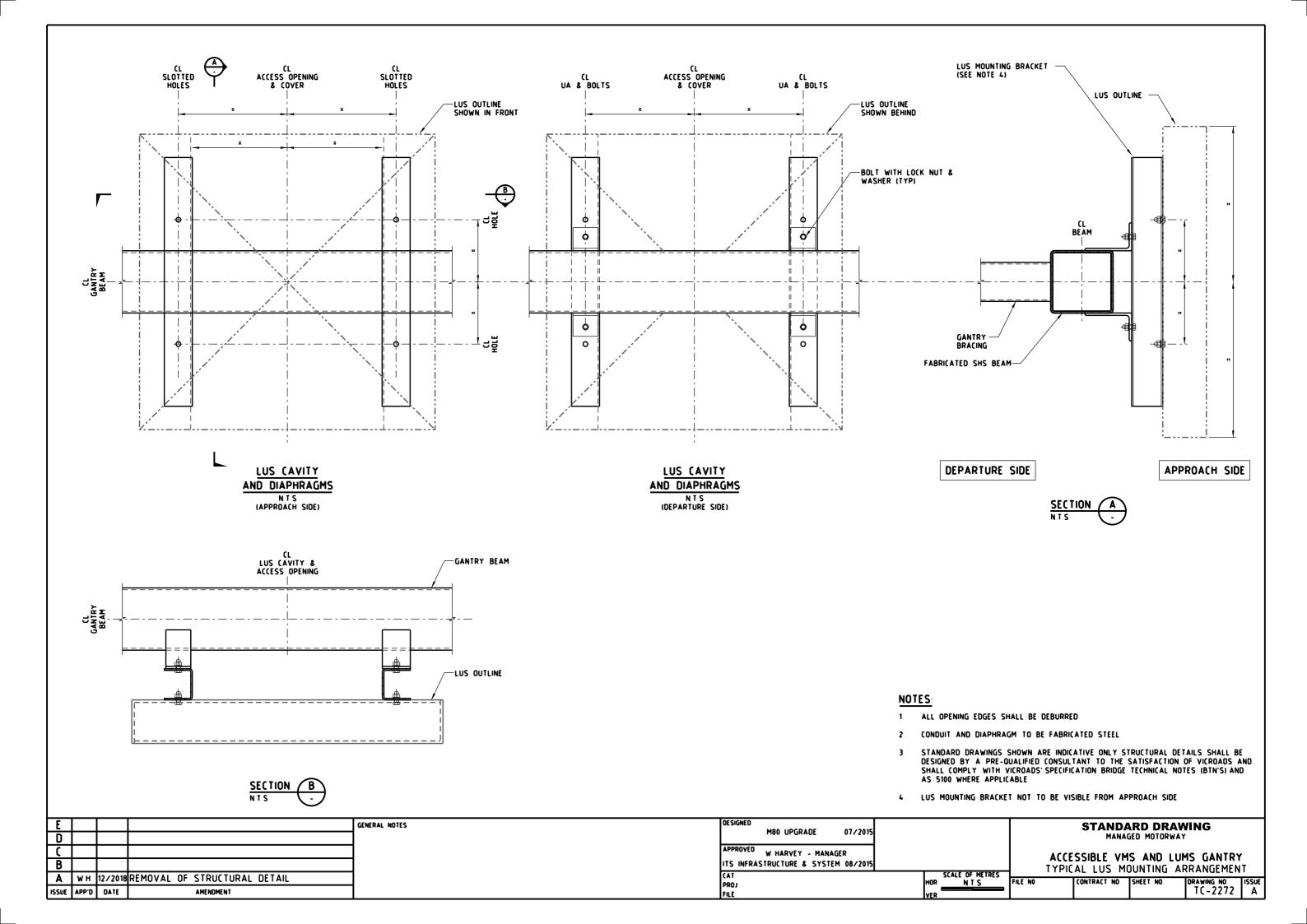
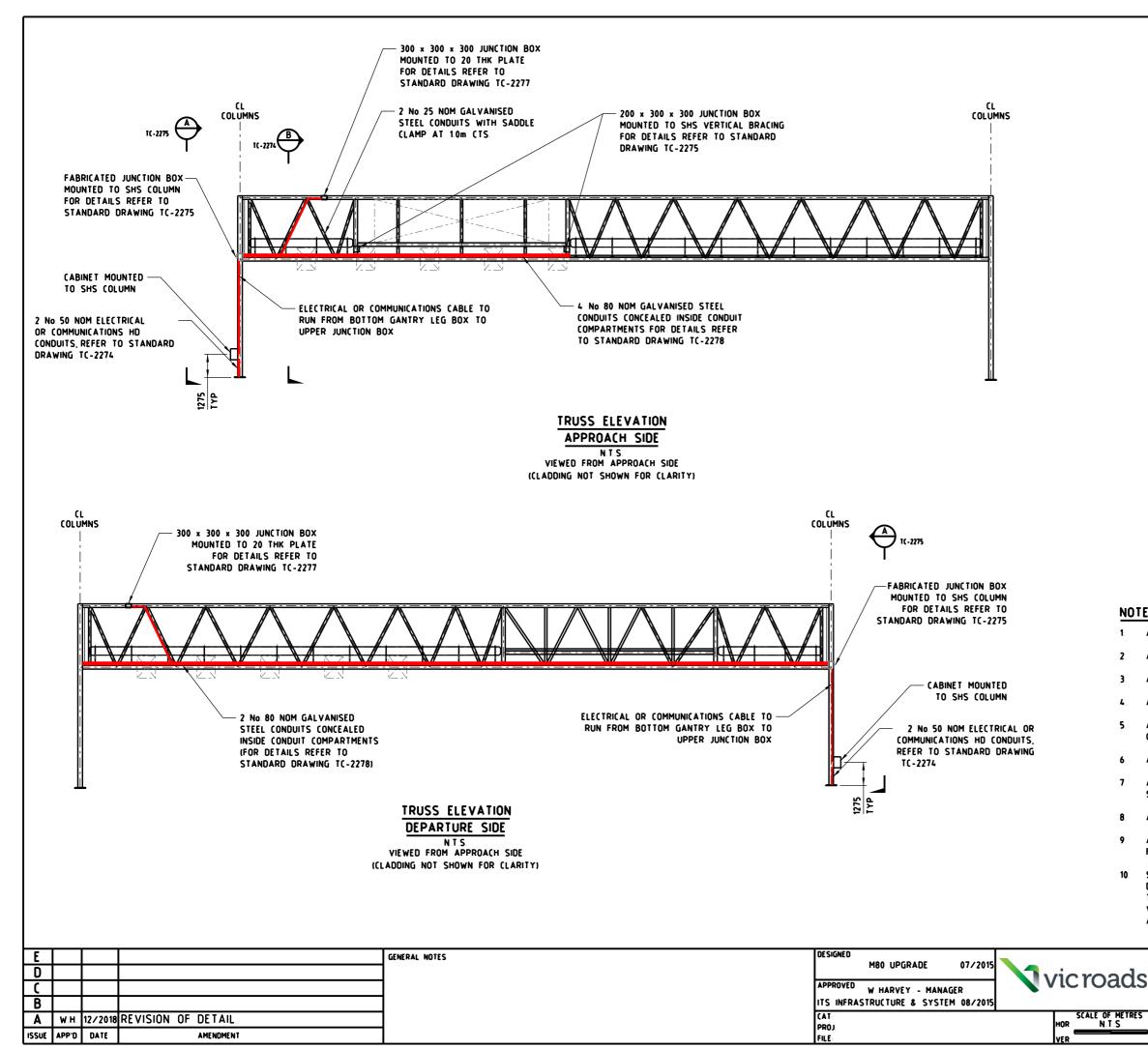


	-
TYPICAL ARRANGEMENT	
ALLESSIDLE VMS AND LUMS UANIRI	

FILE NO. CONTRACT NO. SHEET NO. DRAWING NO. ISSU TC-2270 A





NOTES

- 1 ALL STEEL CONDUIT TO BE HOT DIPPED GALVANIZED

 - ALL GALVANIZED STEEL CONDUIT TO BE SCREW JOINTED

 - ALL FREE ENDS OF GALVANIZED STEEL CONDUIT TO BE THREADED

ALL GALVANIZED STEEL CONDUIT TO BE HEAVY DUTY CONDUIT

ALL GALVANIZED STEEL CONDUIT TO BE ATTACHED USING

ALL GALVANIZING TO BE IN ACCORDANCE WITH AS/NZS 4680.

ALL CONDUITS SHALL BE HIDDEN TO THE ONCOMING TRAFFIC.

ALL GALVANIZED STEEL CONDUIT AND UNISTRUT SADDLE CLAMPS

ALL JUNCTION BOXES SHALL BE HIDDEN AS MUCH AS PRACTICAL

STANDARD DRAWINGS SHOWN ARE INDICATIVE ONLY STRUCTURAL

DETAILS SHALL BE DESIGNED BY A PRE-QUALIFIED CONSULTANT TO THE SATISFACTION OF VICROADS AND SHALL COMPLY WITH VICROADS' SPECIFICATION BRIDGE TECHNICAL NOTES (BTN'S) AND

STANDARD DRAWING

MANAGED MOTORWAY

ACCESSIBLE VMS AND LUMS GANTRY

TYPICAL CONDUIT ROUTE - SHEET 1 OF 6

RAWING NO.

TC-2273

ISSUE

Α

CONTRACT NO. SHEET NO.

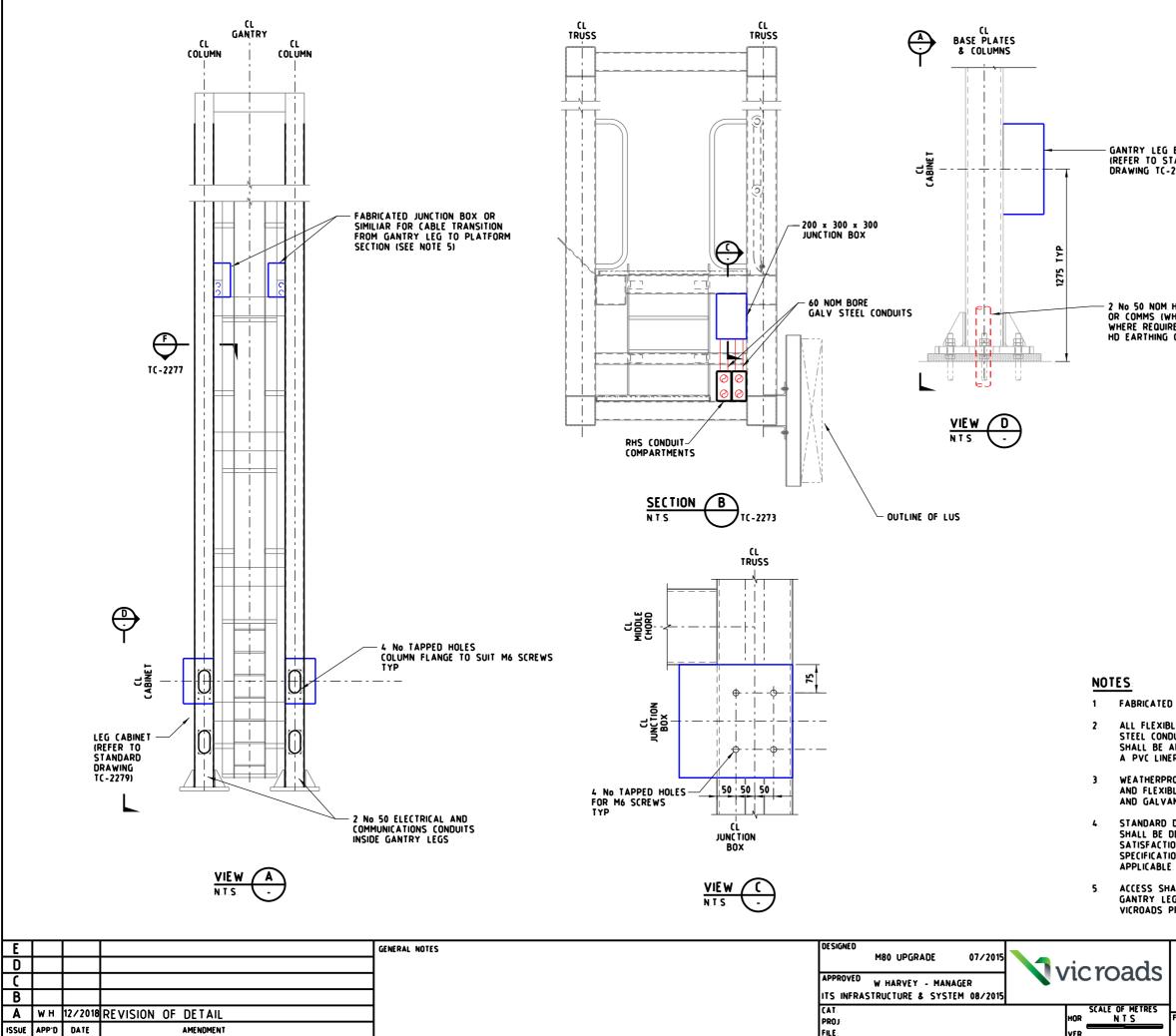
GALVANIZED UNISTRUT CHANNEL & BRACKETS

SHALL BE COATED TO MATCH GANTRY.

FROM THE ONCOMING TRAFFIC.

AS 5100 WHERE APPLICABLE

FILE NO



GANTRY LEG BOX CABINET DRAWING TC-2262)

2 No 50 NOM HD ELECTRICAL (ORANGE) OR COMMS (WHITE) CONDUITS AS REQUIRED WHERE REQUIRED ADDITIONAL 1 No 32 NOM HD EARTHING CONDUIT TO BE PROVIDED

FABRICATED JUNCTION BOX SHALL BE COATED TO MATCH GANTRY.

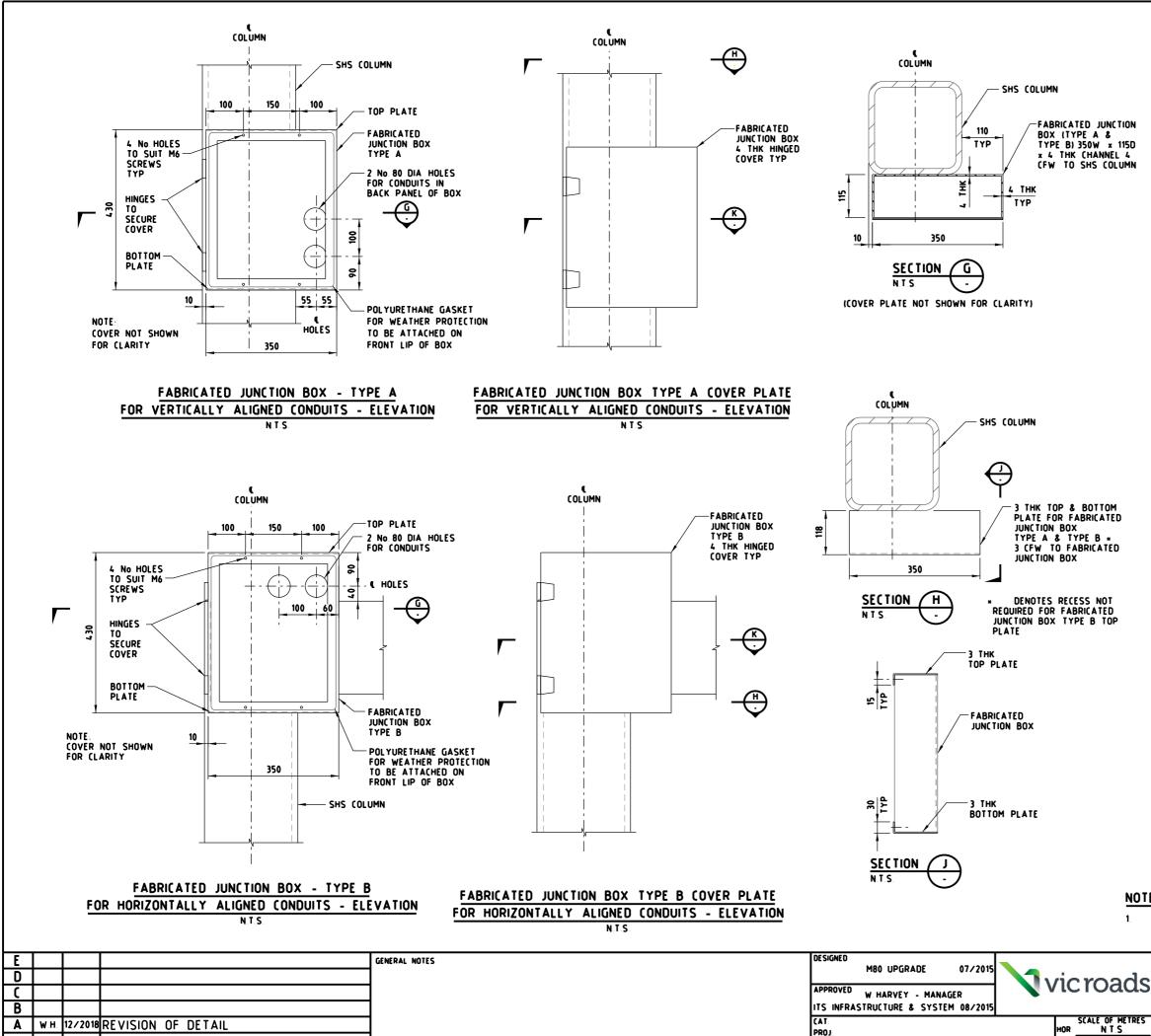
ALL FLEXIBLE CONDUITS CONNECTING STEEL CONDUIT TO STEEL CONDUIT. STEEL CONDUIT TO JUNCTION BOX AND JUNCTION BOX TO JUNCTION BOX SHALL BE ANACONDA TYPE CONDUIT (IE FLEXIBLE METAL INNER WITH A PVC LINER)

WEATHERPROOF COUPLING SHALL BE PROVIDED BETWEEN HD CONDUITS AND FLEXIBLE STEEL CONDUITS, AND BETWEEN FLEXIBLE STEEL CONDUITS AND GALVANISED STEEL CONDUITS

STANDARD DRAWINGS SHOWN ARE INDICATIVE ONLY STRUCTURAL DETAILS SHALL BE DESIGNED BY A PRE-QUALIFIED CONSULTANT TO THE SATISFACTION OF VICROADS AND SHALL COMPLY WITH VICROADS' SPECIFICATION BRIDGE TECHNICAL NOTES (BTN'S) AND AS 5100 WHERE

ACCESS SHALL BE PROVIDED TO INSTALL CABLES TRANSITIONING BETWEEN GANTRY LEG AND PLATFORM SECTION DESIGN TO BE APPROVED BY VICROADS PRIOR GANTRY FABRICATION.

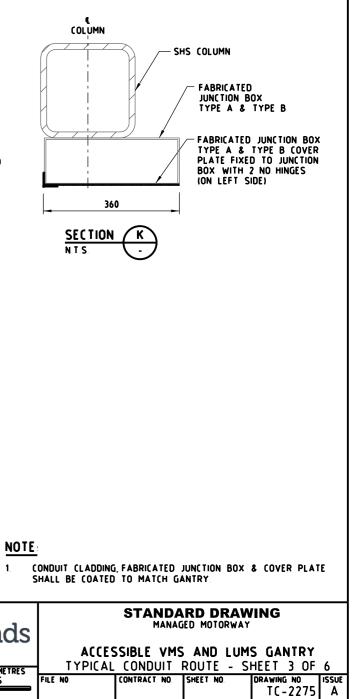
ds	STANDARD DRAWING MANAGED MOTORWAY						
TRES			<mark>s and lum</mark> Route - s				
	FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-2274	ISSUE A		

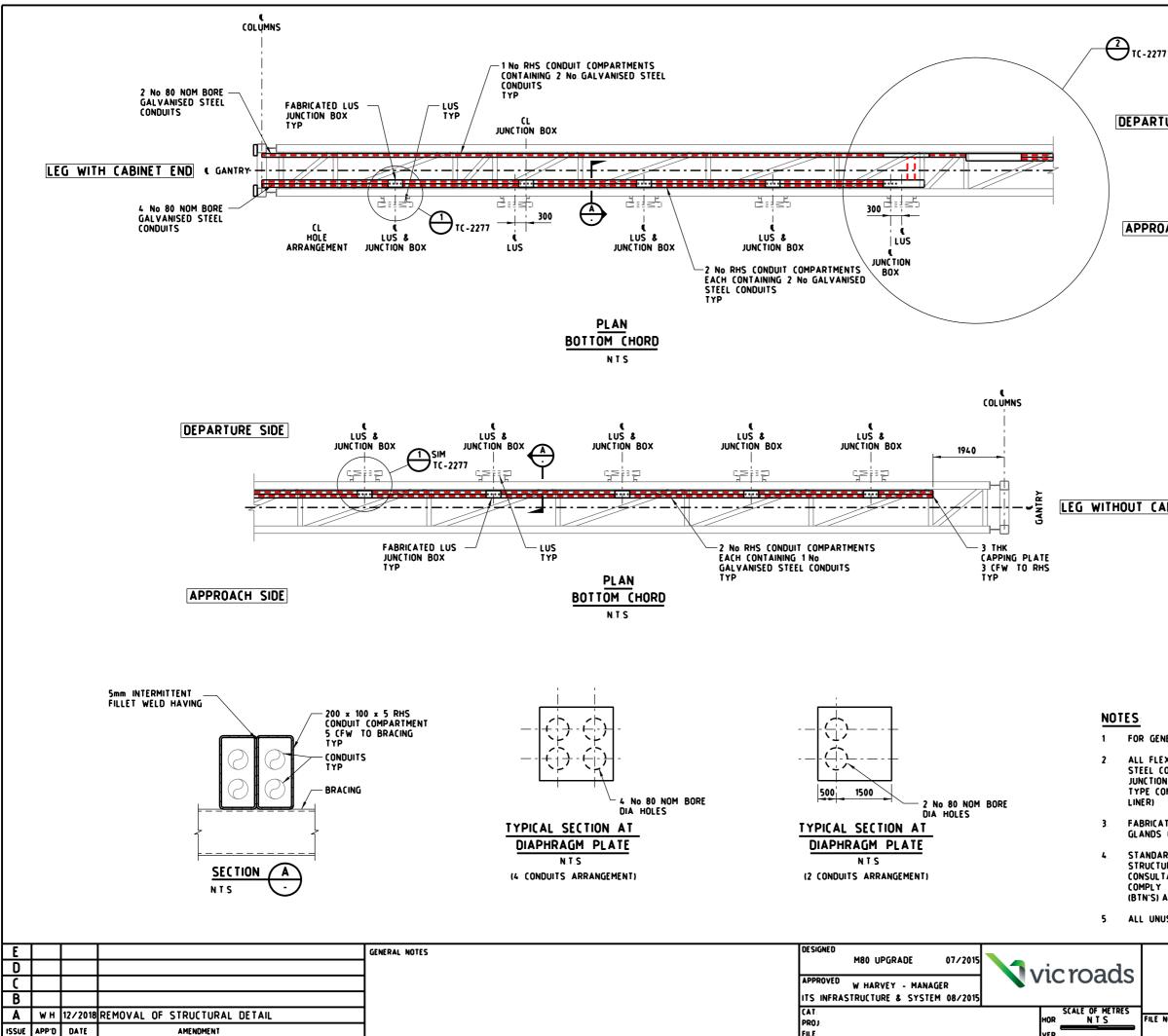


FILE

ISSUE APP'D DATE

AMENDMENT





DEPARTURE SIDE

APPROACH SIDE

LEG WITHOUT CABINET END

FOR GENERAL NOTES REFER DRG No. TC-2274

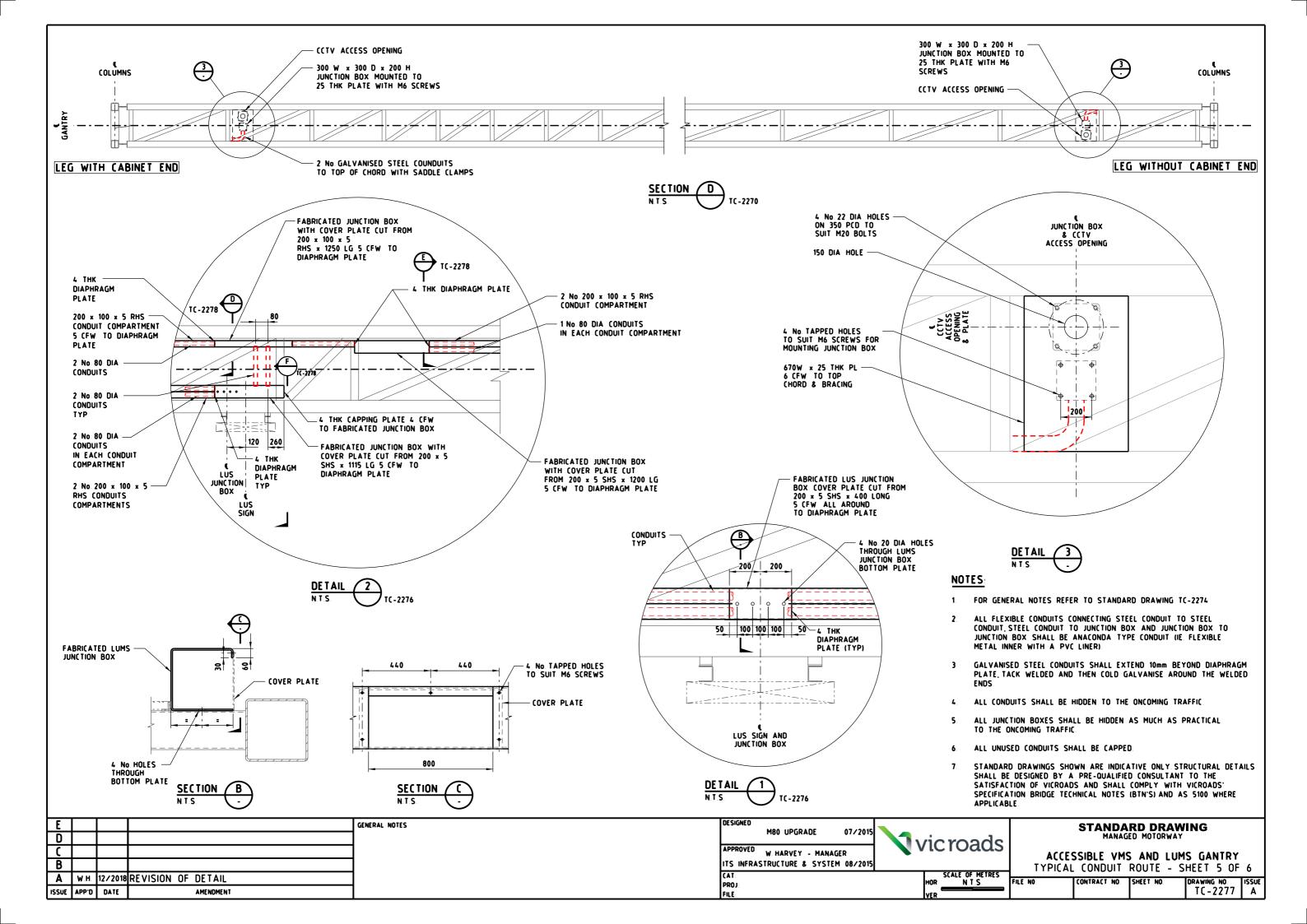
ALL FLEXIBLE CONDUITS CONNECTING STEEL CONDUIT TO STEEL CONDUIT, STEEL CONDUIT TO JUNCTION BOX AND JUNCTION BOX TO JUNCTION BOX SHALL BE ANACONDA TYPE CONDUIT (IE. FLEXIBLE METAL INNER WITH A PVC

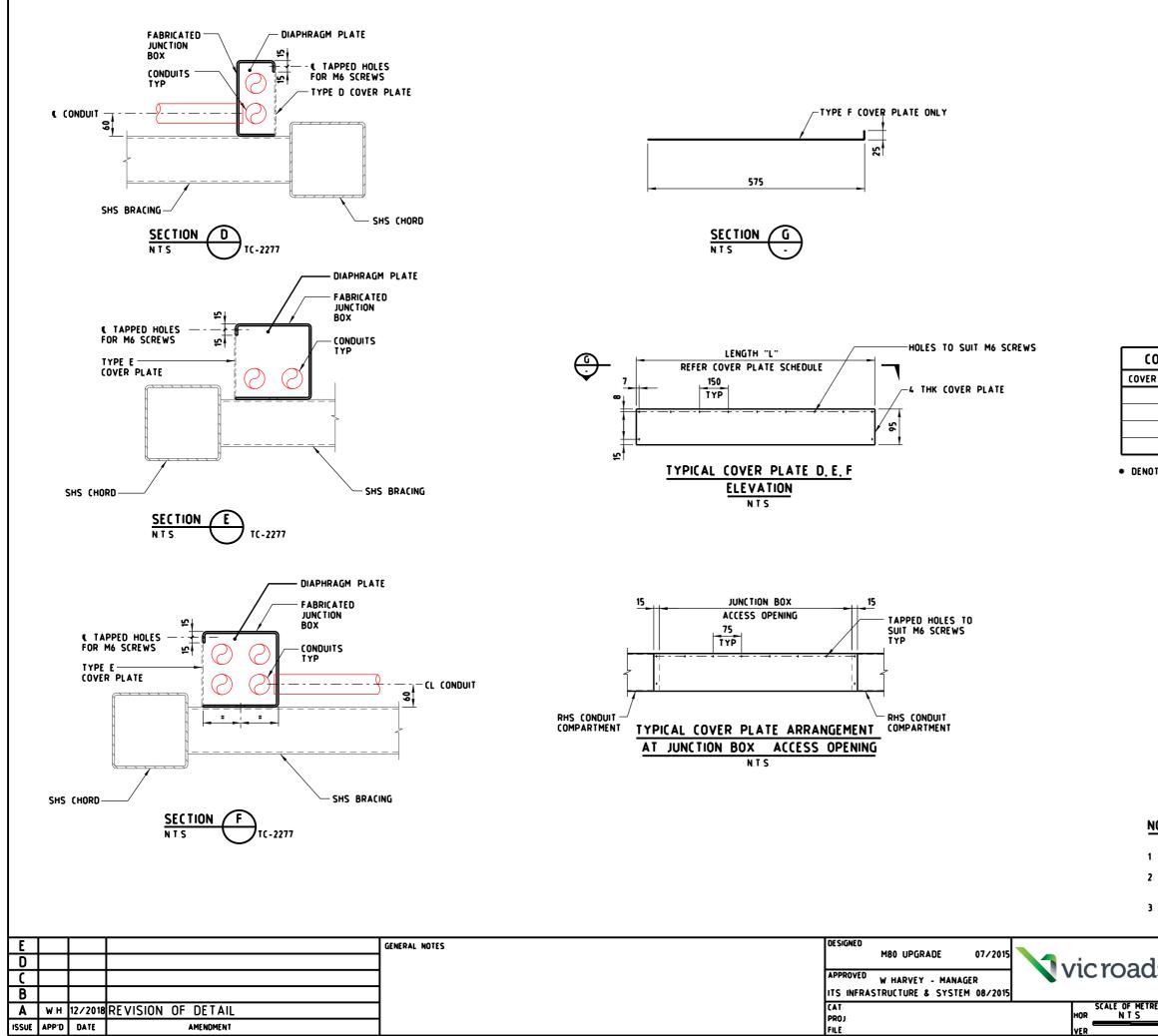
FABRICATED JUNCTION BOX SHALL BE 1P67 RATED, HAVE GLANDS ON ALL CONDUIT PENETRATIONS

STANDARD DRAWINGS SHOWN ARE INDICATIVE ONLY STRUCTURAL DETAILS SHALL BE DESIGNED BY A PRE-QUALIFIED CONSULTANT TO THE SATISFACTION OF VICROADS AND SHALL COMPLY WITH VICROADS' SPECIFICATION BRIDGE TECHNICAL NOTES (BTN'S) AND AS 5100 WHERE APPLICABLE

5. ALL UNUSED CONDUITS SHALL BE CAPPED.

ds	STANDARD DRAWING MANAGED MOTORWAY						
TRES	ACCESSIBLE VMS AND LUMS GANTRY TYPICAL CONDUIT ROUTE - SHEET 4 OF 6						
	FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-2276	ISSUE A		





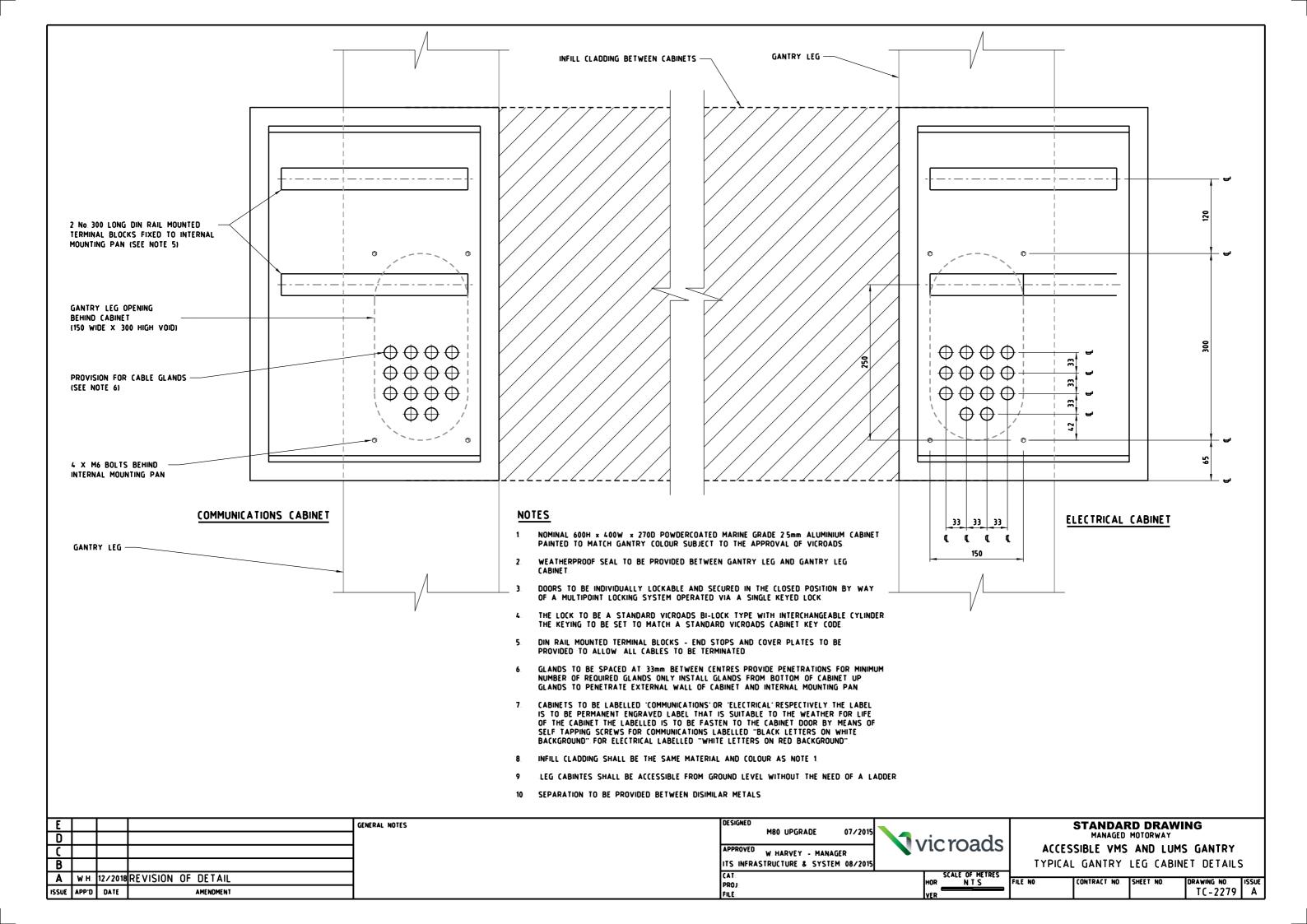
OVER PLATE SCHEDULE					
ER PLATE TYPE	LENGTH "L"				
C	460				
D	1310				
E	1560				
F	1150 *				

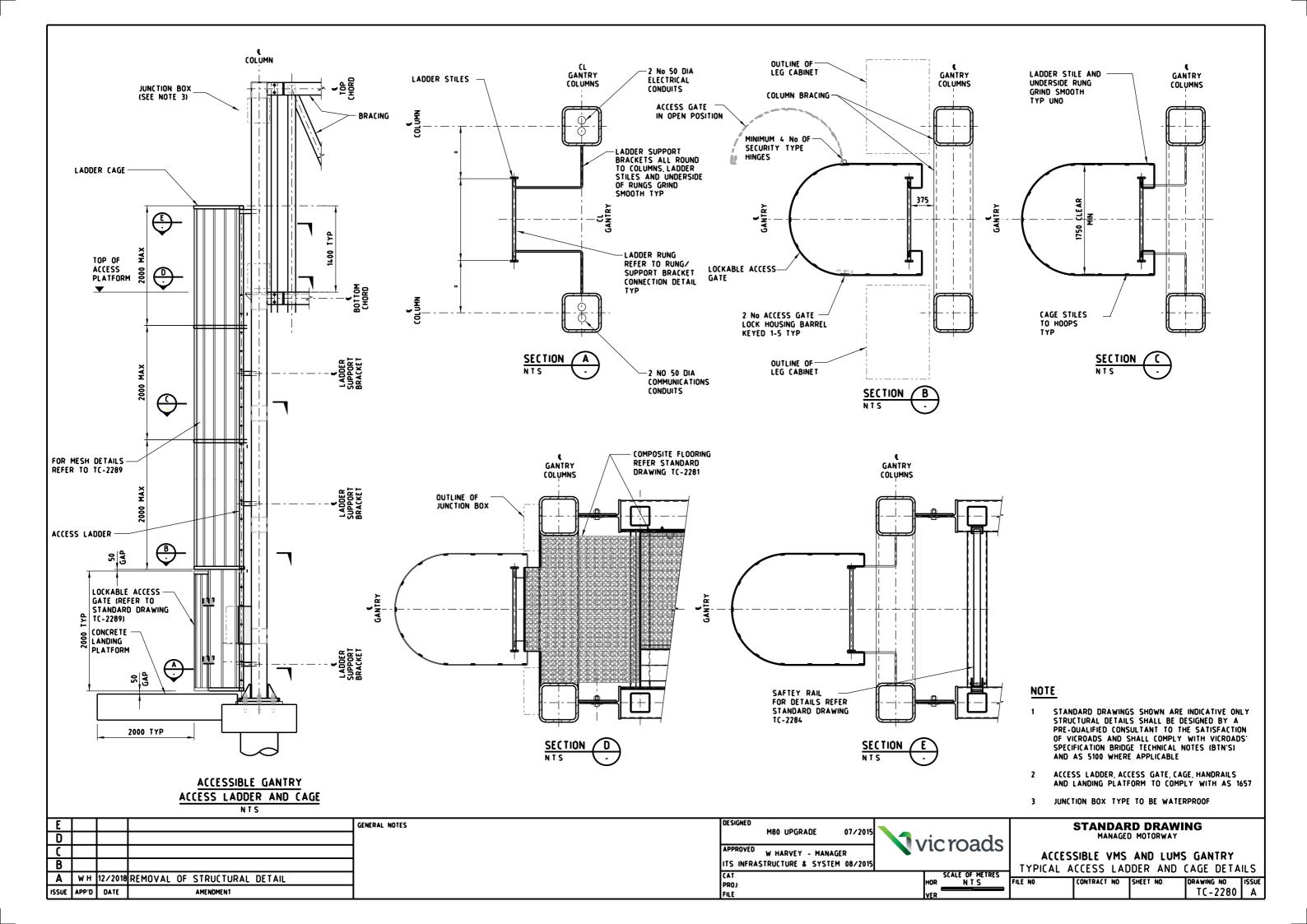
DENOTE FOLDED COVER PLATE (REFER SECTION G)

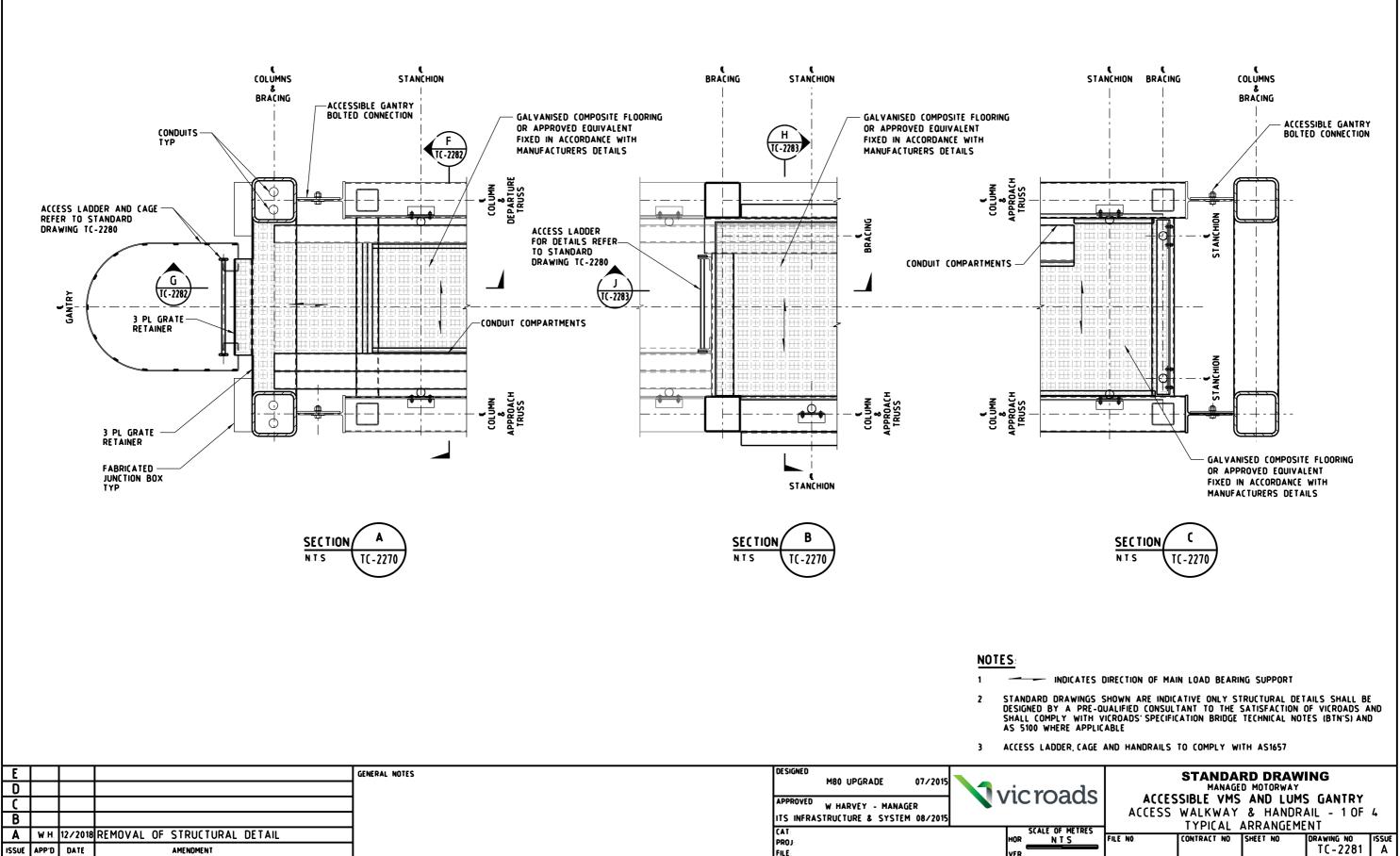
NOTES

- 1. FOR GENERAL NOTES REFER DRG No. TC-2274
- 2. CONDUIT CLADDING FABRICATED JUNCTION BOX & COVER PLATE SHALL BE COATED TO MATCH GANTRY.
- 3. ALL UNUSED CONDUITS SHALL BE CAPPED.

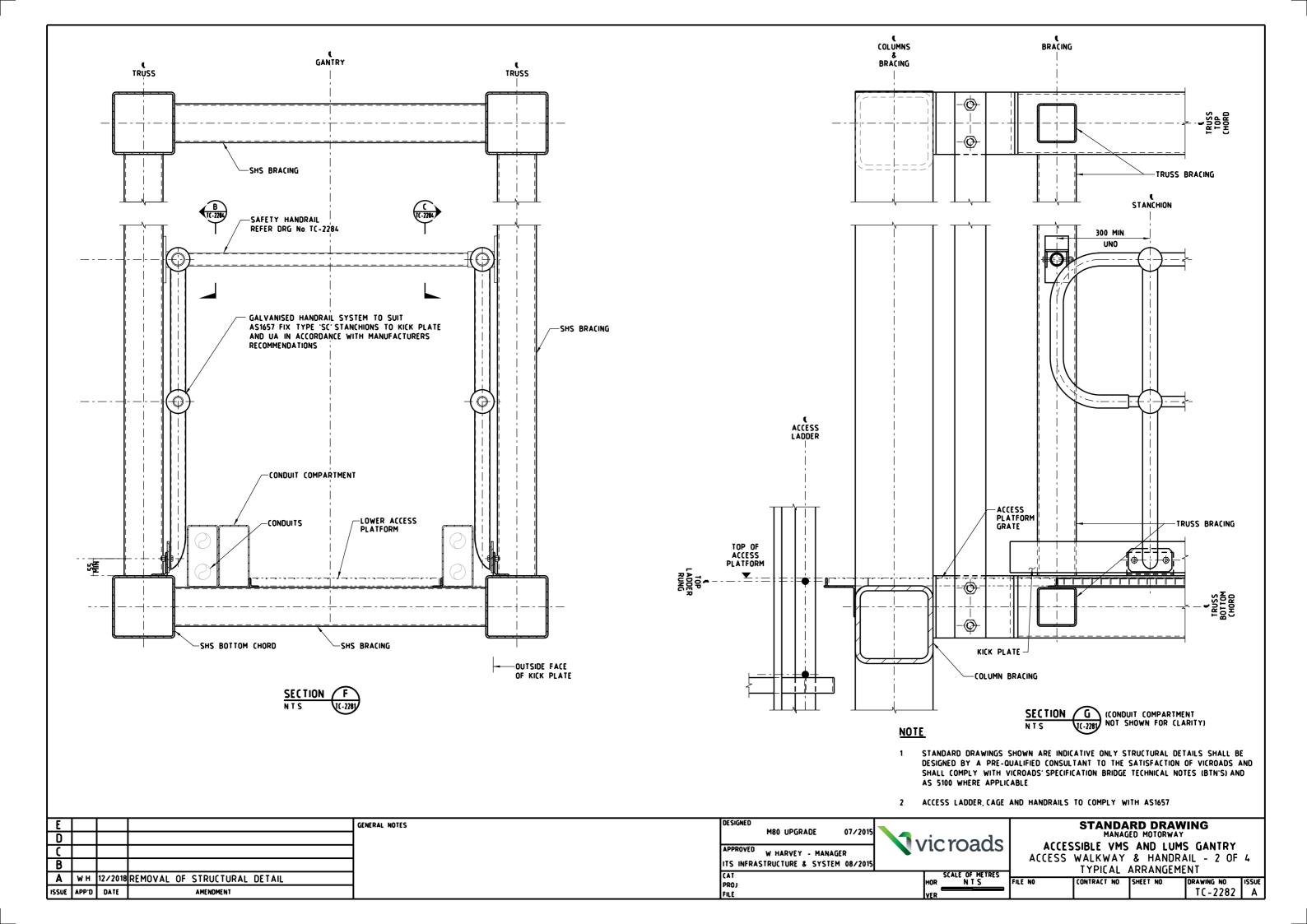
ds			MOTORWAY	NG	24	
TRES			AND LUMS	_	6	
	FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-2278	ISSUE A	

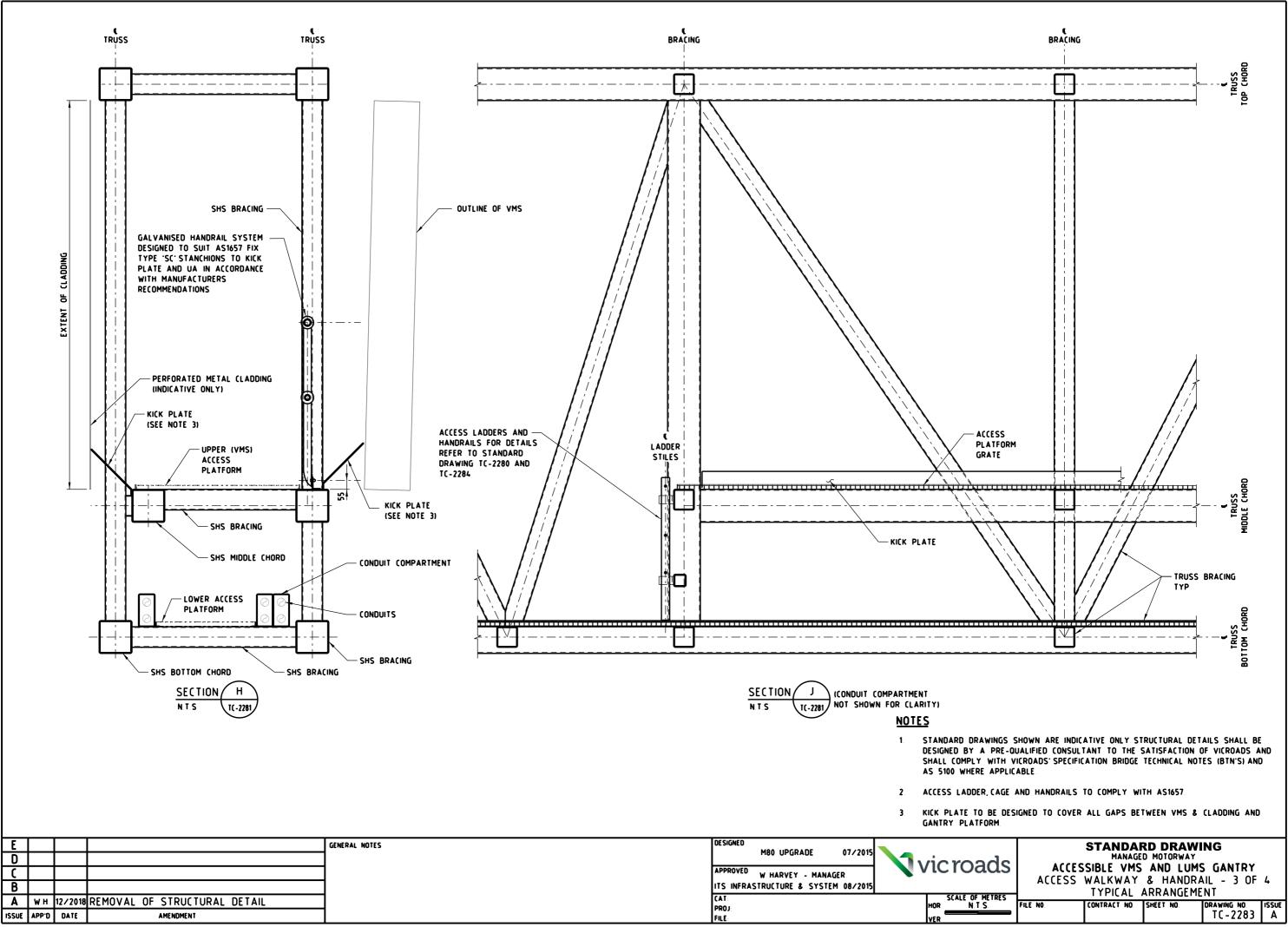




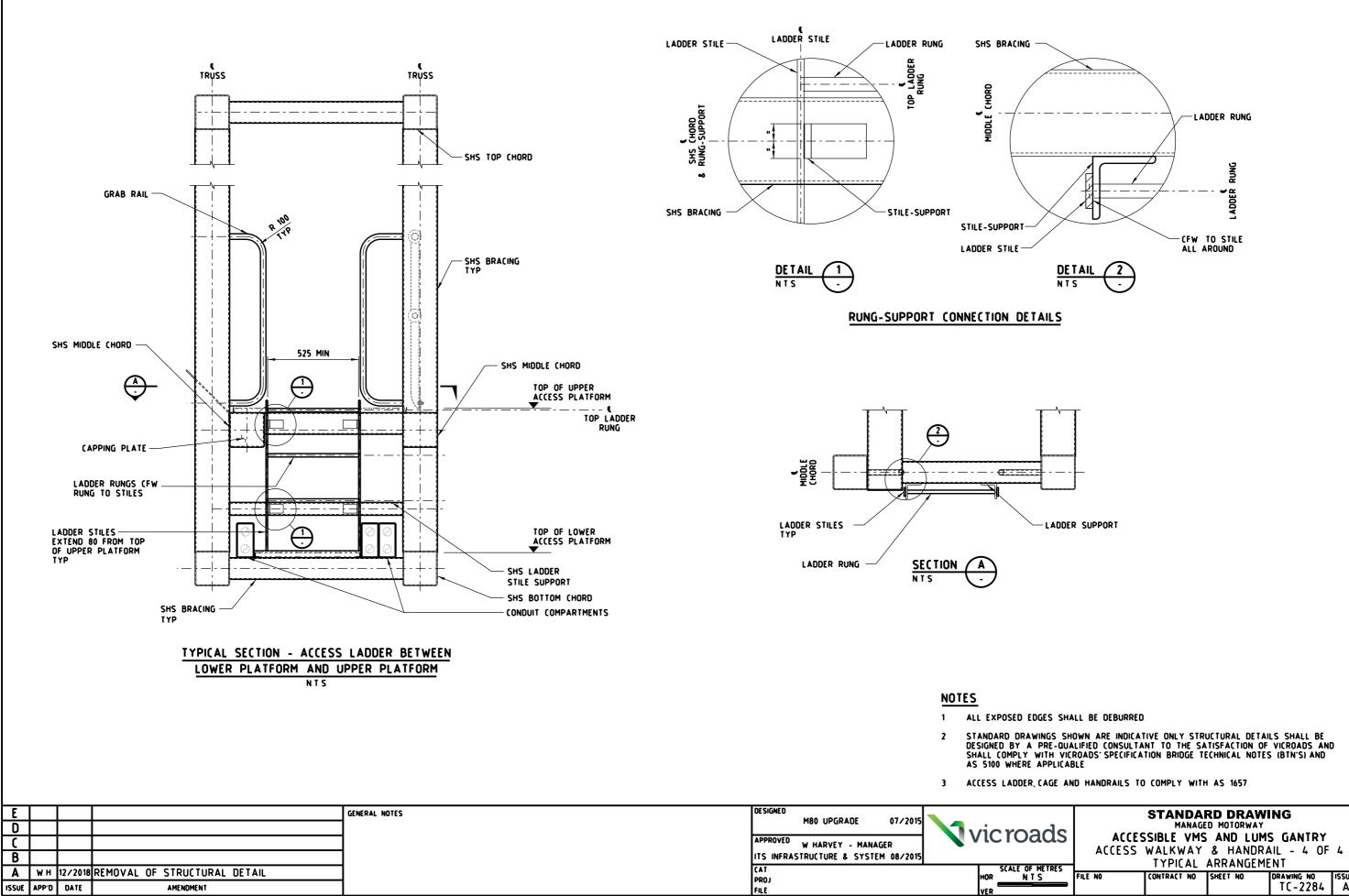


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				TC-2281	A		

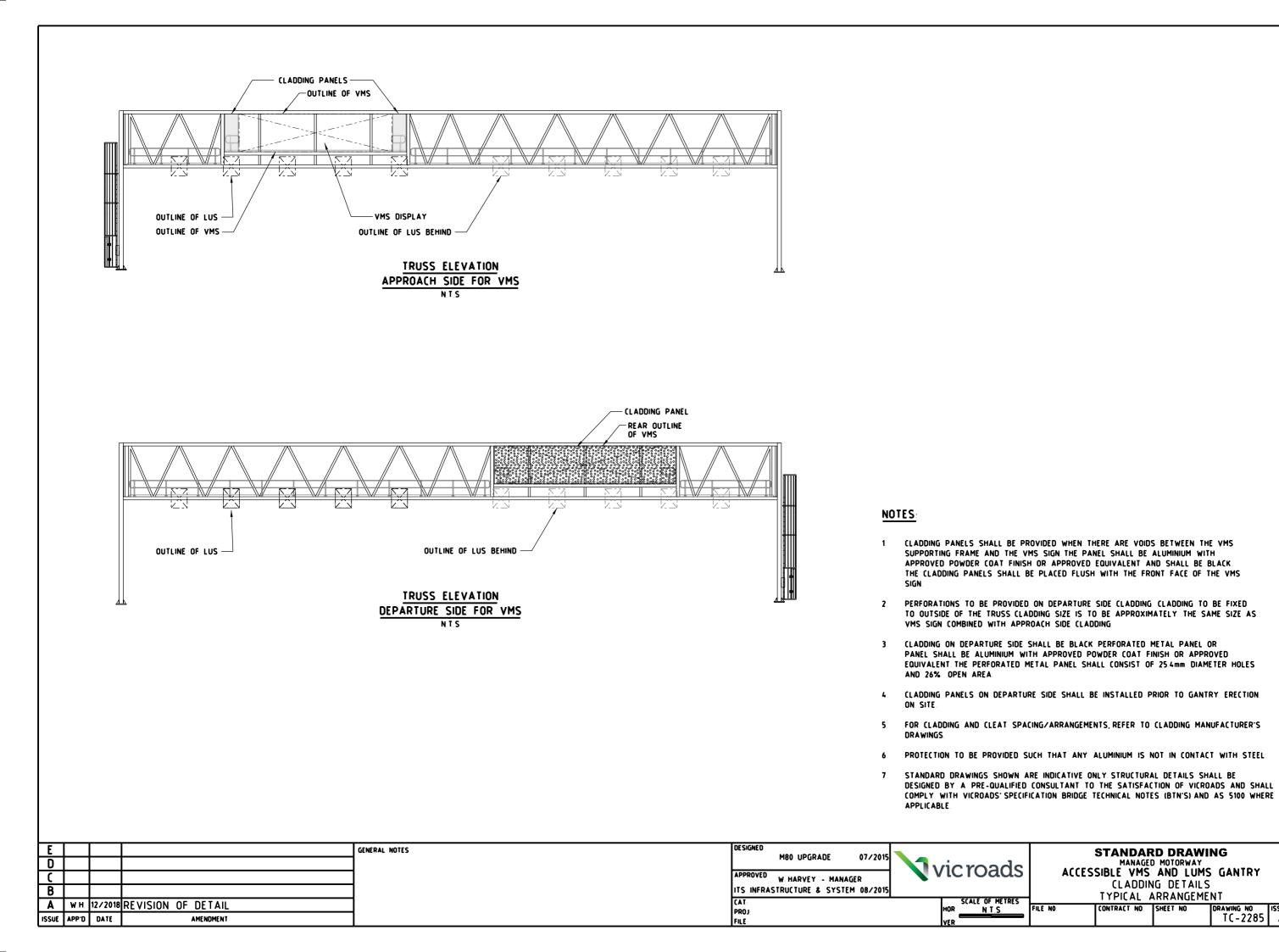




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	FILE NO.	CONTRACT NO.	SHEET NO.		ISSUE
				TC-2283	Α



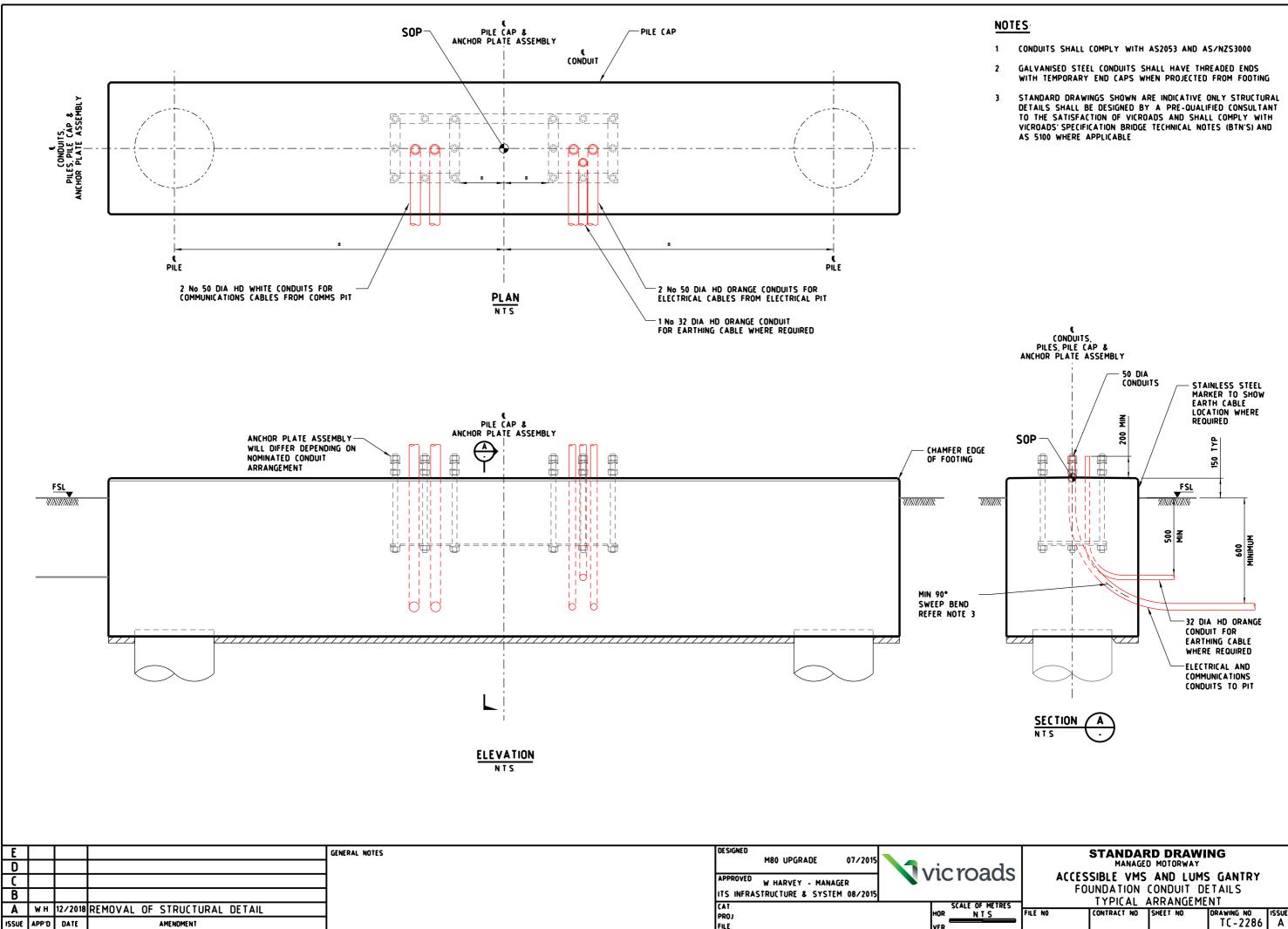
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	FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-2284	ISSUE A

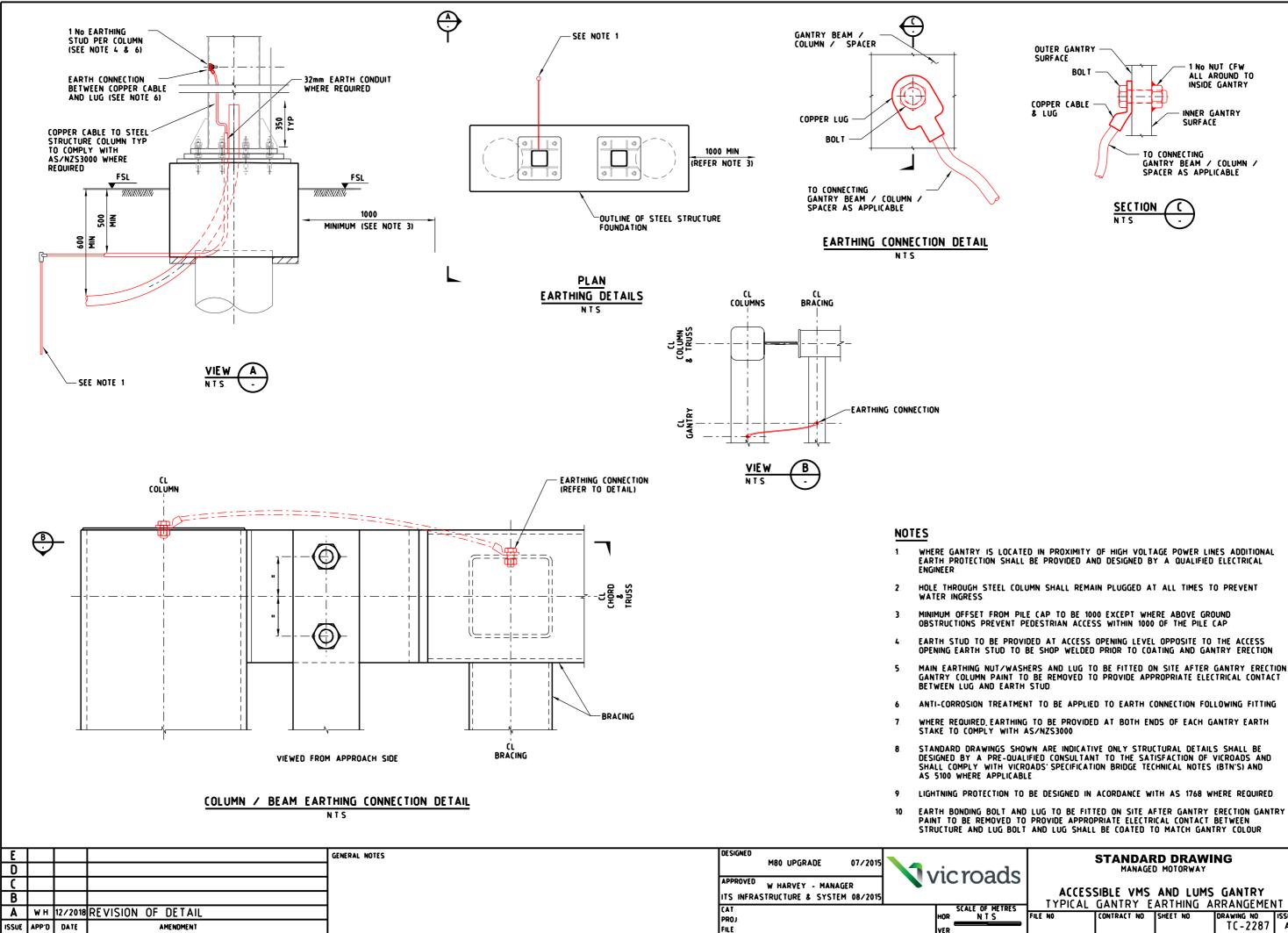


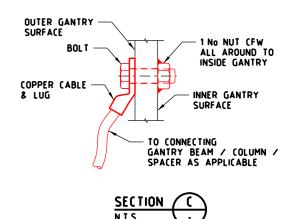
ds	AC	CESSIBLE VMS	D MOTORWAT	MS GANTRY	
TRES		TYPICAL	ARRANGE	MENT	
	FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-2285	issue A

SCALE OF ME

NTS







WHERE GANTRY IS LOCATED IN PROXIMITY OF HIGH VOLTAGE POWER LINES ADDITIONAL EARTH PROTECTION SHALL BE PROVIDED AND DESIGNED BY A QUALIFIED ELECTRICAL

HOLE THROUGH STEEL COLUMN SHALL REMAIN PLUGGED AT ALL TIMES TO PREVENT

MINIMUM OFFSET FROM PILE CAP TO BE 1000 EXCEPT WHERE ABOVE GROUND OBSTRUCTIONS PREVENT PEDESTRIAN ACCESS WITHIN 1000 OF THE PILE CAP

EARTH STUD TO BE PROVIDED AT ACCESS OPENING LEVEL OPPOSITE TO THE ACCESS OPENING EARTH STUD TO BE SHOP WELDED PRIOR TO COATING AND GANTRY ERECTION

MAIN EARTHING NUT/WASHERS AND LUG TO BE FITTED ON SITE AFTER GANTRY ERECTION. GANTRY COLUMN PAINT TO BE REMOVED TO PROVIDE APPROPRIATE ELECTRICAL CONTACT BETWEEN LUG AND EARTH STUD.

STANDARD DRAWING

MANAGED MOTORWAY

ACCESSIBLE VMS AND LUMS GANTRY

TYPICAL GANTRY EARTHING ARRANGEMENT

DRAWING NO.

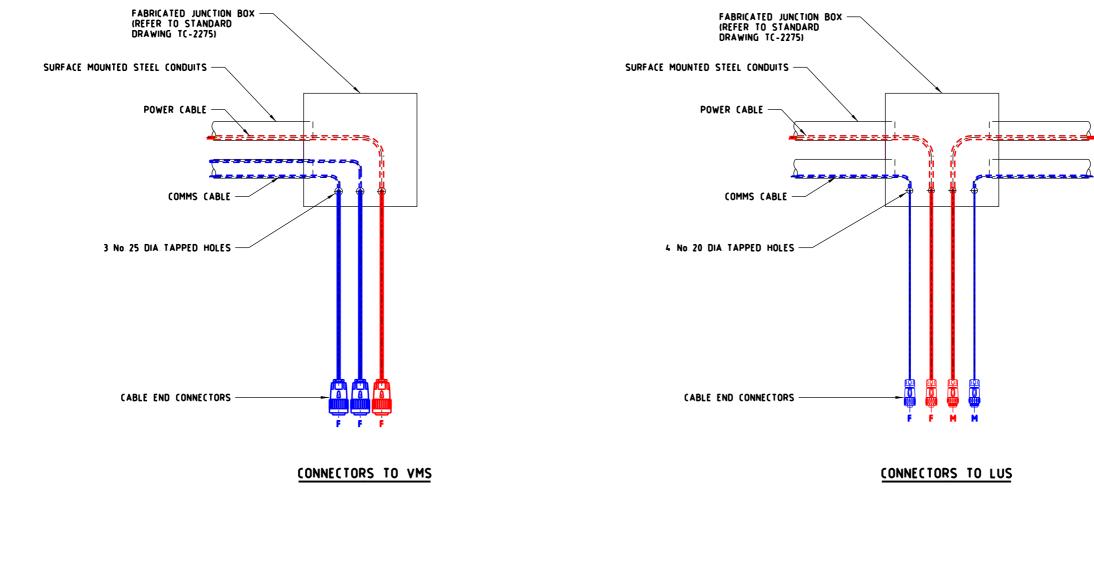
TC-2287

ISSUE

A

CONTRACT NO. SHEET NO.

FILE NO



LEGEND

NOTES

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E	\mathbf{F}	+	\neg		GENERAL NOTES	DESIGNED M80 UPGRADE 07/2015			STANDARI MANAGED	D DRAWI MOTORWAY	NG
C B						APPROVED W.HARVEY - MANAGER ITS INFRASTRUCTURE & SYSTEM 08/2015			CCESSIBLE VMS ELECTRICAL & CABLE CONNE	COMMUNIC	ATIONS
A	_	_		REVISION OF DETAIL		CAT: PROJ:	SCALE OF METRES HOR <u>N.T.S.</u>	FILE NO.			DRAWING NO. ISSI
ISSU	APP	D D/	ATE	AMENDMENT		FILE	VER				TC-2288 A

BLUE - COMMUNICATIONS CABLE RED - POWER CABLE

COMMUNICATIONS AND POWER CABLES BETWEEN GANTRY AND SIGN TO BE RUN INSIDE WEATHERPROOF FLEXIBLE CONDUIT WITH MATCHING WEATHERPROOF GLANDS

