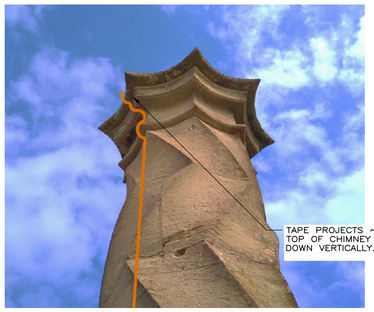
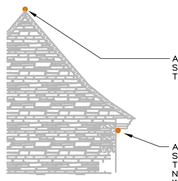
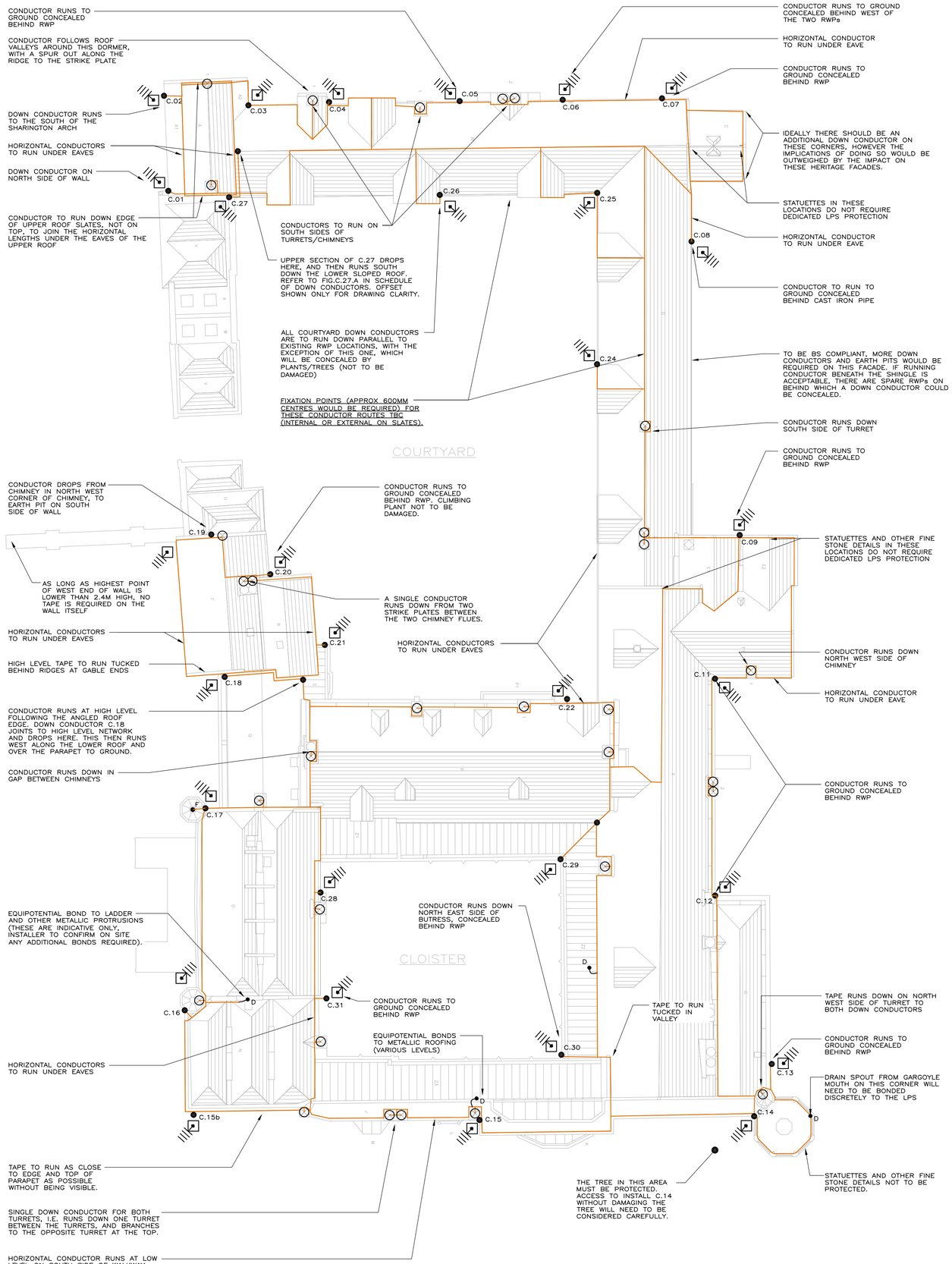
DETAIL A – BESPOKE TAPE DETAIL TO CHIMNEY
(NOT VISIBLE FROM ABOVE)



ALTERNATIVE OPTIONS COULD BE:
- A STRIKE PLATE TO THE TOP OF THE CHIMNEY (NOT VISIBLE FROM BELOW)
- OMIT PROTECTION TO THE CHIMNEYS IN ORDER TO PRESERVE EXISTING APPEARANCE. WOULD NEED AGREEMENT FROM INSURERS.

DETAIL B – HORIZONTAL TAPE RUN OPTIONS





SCALE BAR : 10.0m

NOTES:

1. THE DESIGN OF THE LIGHTNING PROTECTION SYSTEM IS A CONTRACTOR TYPE B DESIGN PORTION OF THE CONTRACT.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
   – ALL OTHER MAX FORDHAM DRAWINGS AND SPECIFICATIONS, INCLUDING THE SCHEDULE OF DOWN CONDUCTORS WHICH SETS OUT THE EXACT ROUTE TO BE FOLLOWED FOR EACH POSITION PROPOSED
   – ALL OTHER RELEVANT CONSULTANTS DRAWINGS AND SPECIFICATIONS
   – ALL MANUFACTURERS INSTALLATION INSTRUCTIONS
3. THE DESIGN OF THIS LPS DOES NOT MEET BS 62305. THE CLIENT HAS DISCUSSED THIS WITH THEIR INSURER AND ACCEPT THE REDUCED PROTECTION
4. THE AIR TERMINATION NETWORK IS TO CONSIST OF AN ALUMINIUM TAPE GRID AND CENTRAL STRIKE PLATES. FINIALS ARE ONLY TO BE USED IN THE INDICATED LOCATIONS OR IN LOCATIONS AGREED WITH THE CA. THE NUMBER AND POSITION OF DOWN CONDUCTORS SHOWN ON THIS DRAWING IS INDICATIVE ONLY. THE FINAL NUMBER AND POSITION SHOULD BE CONFIRMED TO MFLLP BY THE LIGHTNING PROTECTION SPECIALIST BY ISSUE OF LAYOUT DRAWINGS FOR COMMENT PRIOR TO CARRYING OUT ANY INSTALLATION WORKS.
5. CARE SHOULD BE TAKEN TO INSTALL DOWN CONDUCTOR TAP ON THE SIDE OF THE CHIMNEYS AS SHOWN HERE.
6. PROVIDE BONDS TO THE AIR TERMINATION NETWORK AT ROOF TOP LEVEL FROM ALL EXTRANEOUS METALLIC ITEMS THAT FALL OUTSIDE OF THE 'PROTECTED ZONE' THESE MAY INCLUDE BUT MAY NOT BE LIMITED TO GUTTERING, DUCTWORK TERMINATIONS, HAND RAILS, FALL ARREST SYSTEMS, AERIALS ETC.
7. ALLOWANCE TO BE MADE FOR BIMETALLIC BONDS TO MITIGATE GALVANIC CORROSION WHERE DIFFERENT METALS ARE CONNECTED TO THE LPS.
8. DOWN CONDUCTORS TO BE COORDINATED NEATLY WITH RWPs TO MAINTAIN HERITAGE AND AESTHETIC QUALITY OF BUILDING. CONTRACTOR TO ALLOW FOR NON-STANDARD PVC TAPE COATING TO A RAL COLOUR DEFINED BY THE CLIENT.
9. THERE SHOULD BE A PROVISION FOR TEST JOINTS IN EARTH PITS
10. LPS SPECIALIST CONTRACTOR TO CONFIRM ELECTRICAL CONTINUITY OF ANY EXPOSED METALLIC ELEMENTS USED AS PART OF THE AIR TERMINATING NETWORK.
11. LPS SPECIALIST IS TO ALLOW FOR CONNECTING THE LPS BACK TO THE BUILDING MAIN EARTH TERMINAL LOCATED IN ###. THE EXISTING PANEL IS TO BE FITTED WITH A SURGE PROTECTION DEVICE 'SPD' AS FURSE ESP 415 D1 SUPPLIED BY THE LPS SPECIALIST AND FITTED BY THE ELECTRICAL CONTRACTOR.

LEGEND

- STRIKE PLATE/BESPOKE TAPE DETAIL (REFER TO DETAIL A ON LAYOUT. CLIENT TO CONFIRM STRATEGY)
- C.## DOWN CONDUCTOR
- EARTH ROD IN PROPRIETARY CONCRETE PIT (EXACT LOCATIONS OF ALL EARTH PITS TO BE AGREED WITH CLIENT)
- D BOND TO DOWN CONDUCTOR – AT TOP TO AIR TERMINATION NETWORK – AT BASE TO EARTH ROD – PROVIDE TEST POINT AT TOP AND BASE
- Y JOINT LEFT FOR FUTURE EXTENSION OF LPS
- VISIBLE ROUND ALUMINIUM CONDUCTOR
- HIDDEN ROUND ALUMINIUM CONDUCTOR
- CONDUCTOR TUCKED BEHIND RWP/PIPE

rev	date	description	eng
B	18/08/21	ISSUED FOR PLANNING/HERITAGE REVIEW	AJS
A	30/03/21	FOR TENDER	SMW

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architect
-

job title
LACOCK ABBEY
LIGHTNING PROTECTION

project leader	date	scale (at A1)
AJS	NOV '19	1:200

drawing title
PRELIMINARY DESIGN
ROOF LAYOUT

job no	dwg no	rev
J6666	W[52]100	/B

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