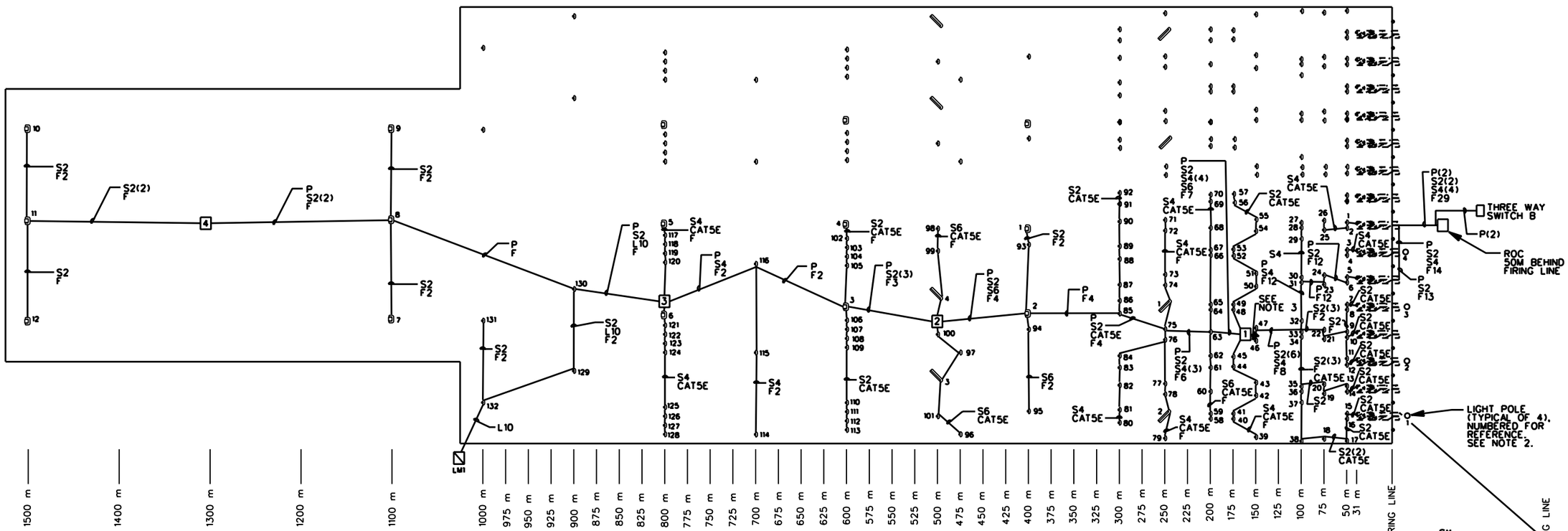

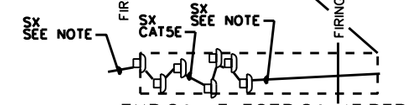

TYPICAL ELECTRICAL/FIBER LAYOUT FOR CPQC LANE

NOT TO SCALE

NOTE: TARGETS MAY BE FED FROM EITHER END OF THE LANE. DATA CABLE TO TARGETS CAN BE FIBER OR CAT5E DEPENDANT UPON LANE LOCATION.

ELECTRICAL LEGEND

SX(X)	USX(X) - UNDERGROUND SECONDARY POWER CABLE (TARGETRY POWER SUPPLY CABLE). DIRECT BURIED, MULTICONDUCTOR CABLE, WHERE X DENOTES WIRE SIZE IN AWG AND (X) INDICATES THE NUMBER OF CIRCUITS IF OTHER THAN ONE.
LX(X)	USLLX(X) - UNDERGROUND SECONDARY POWER CABLE FOR LATERAL LIMIT MARKERS, WHERE X DENOTES WIRE SIZE IN AWG AND (X) INDICATES THE NUMBER OF CIRCUITS IF OTHER THAN ONE.
FX	DIRECT BURIED, FIBER OPTIC CABLE, WHERE X INDICATES THE NUMBER OF 6-STRAND CABLES. X NOT SHOWN FOR SINGLE 6-STRAND.
CAT5E	DIRECT BURRIED, SHIELDED CATEGORY 5E (OR BETTER) COPPER NETWORK CABLE
P	UP - UNDERGROUND PRIMARY CABLE
[X]	POWER CENTER, WHERE X IS A REPRESENTATIVE NUMBER
LMX	LATERAL LIMIT MARKER, WHERE X IS A REPRESENTATIVE NUMBER

NOTES:

1. FOR MPMG TARGETS SEE FCC 17833 DETAILS
2. EACH LIGHT POLE CONTAINS TWO WHITE LIGHTS AND TWO RED LIGHTS. EACH TYPE OF LIGHT IS POWERED BY A CIRCUIT FROM THE ROC.
3. CABLES IN THIS SECTION OF TRENCH: P, S2(6), S4, F8, AND CAT5E(2).
4. DATA IS FED TO RANGE TARGETS VIA FIBER OPTIC CABLES AND CAT5E COPPER CABLES. FIBER OPTIC CALE IS USED FOR HOME RUNS AND DISTANCES BETWEEN TARGETS GREATER THAN 90 M. CAT5E CABLE IS USED BETWEEN ALL OTHER TARGETS.

LEGEND:

	SIT (STATIONARY INFANTRY TARGET)
	MIT (MOVING INFANTRY TARGET)
•	FOXHOLE
	SINGLE LANE OF A COMBAT PISTOL QUALIFICATION COURSE SEE FCC 17822 FOR LAYOUT INFORMATION

US Army Corps of Engineers

Rev.	Description	Date	Approved
*			

Designed by: | Date: | Rev.
Dwn by: | Ckd by: | Design file no.
Reviewed by: | Drawing code:
Submitted by: | File name: Plot scale: Plot date:

U. S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE HUNTSVILLE, ALABAMA

19 JUL 2005

RANGE AND TRAINING LAND PROGRAM STANDARD DESIGN MANUAL

FCC* 17809 QUALIFICATION TRAINING RANGE

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