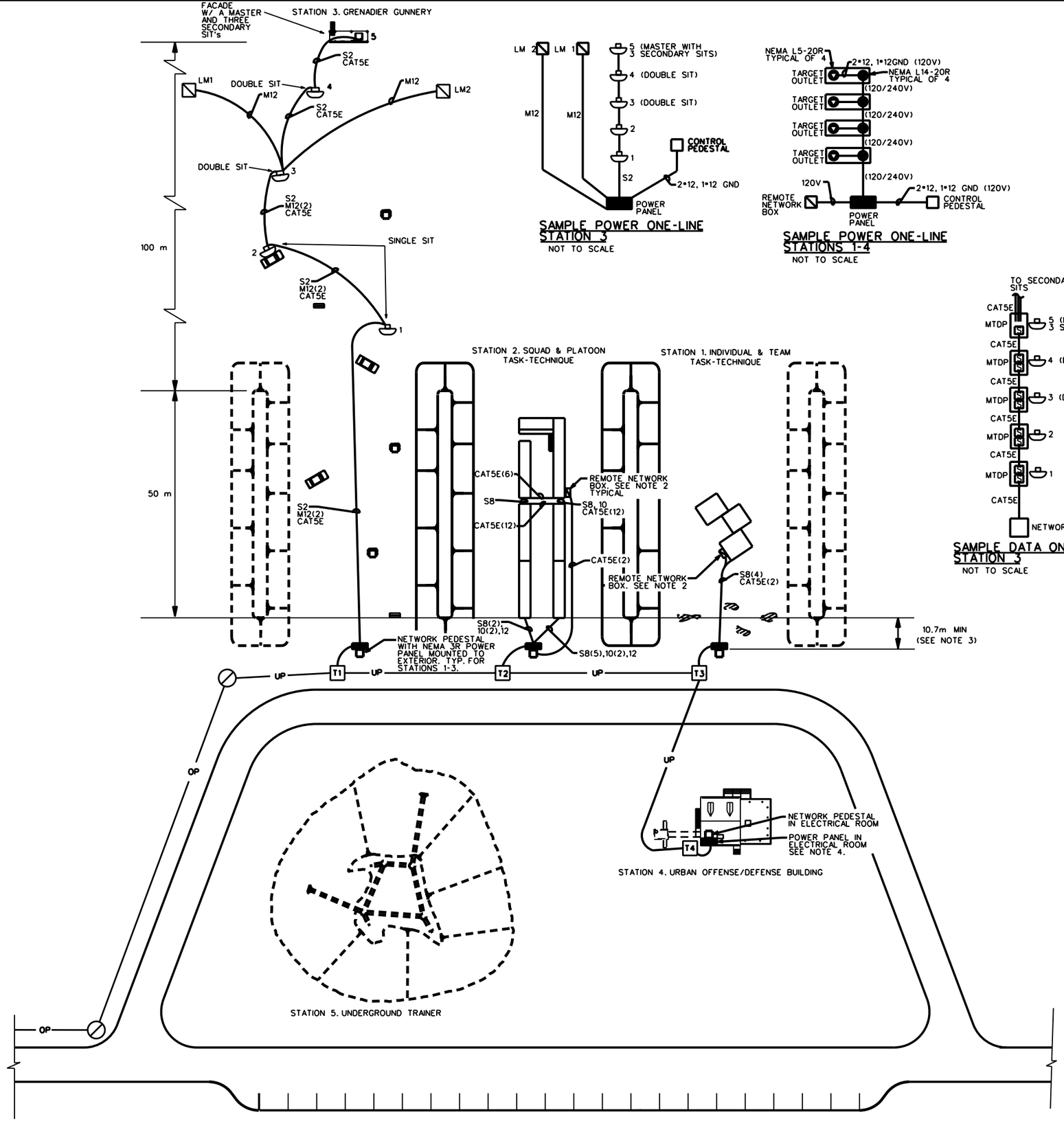
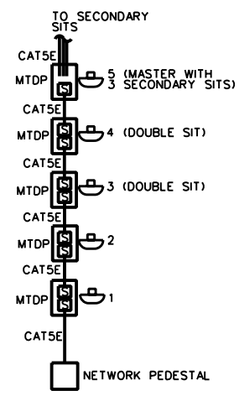


SAMPLE POWER ONE-LINE STATION 3

NOT TO SCALE

SAMPLE POWER ONE-LINE STATIONS 1-4

NOT TO SCALE



SAMPLE DATA ONE-LINE STATION 3

NOT TO SCALE

LEGEND:

	OBSERVATION PLATFORM
	COVER (SEE NOTE 2)
	RUBBLE
	BERM
	JUNK VEHICLE
	HASTY POSITION
	SHORT WALL
X	SANDBAG/SOIL TARGET BERM (SIT EMPLACEMENT), X IS A REPRESENTATIVE NUMBER.
	TARGET OUTLET (T.O.)
	POWER POLE
T	SINGLE PHASE TRANSFORMER WITH 120/240V SECONDARY FOR TARGETRY POWER
S	NETWORK SURGE PROTECTOR
UP	UNDERGROUND PRIMARY
OP	OVERHEAD PRIMARY
LMX	LATERAL LIMIT MARKER - X IS A REPRESENTATIVE NUMBER. LOCATION OF LIMIT MARKERS SHALL BE COORDINATED WITH USER.
SX(Y)	UNDERGROUND SECONDARY 3/C CABLE. X INDICATES WIRE SIZE IN AWG. (Y) INDICATES NUMBER OF 3/C CABLE IN TRENCH. (Y) NOT SHOWN FOR SINGLE 3/C CABLE.
CAT5E(Y)	CATEGORY 5E OR BETTER SHIELDED NETWORK CABLE SUITABLE FOR DIRECT BURIAL. (Y) INDICATES NUMBER OF NETWORK CAT5E CABLES, NOT SHOWN FOR SINGLE NETWORK CABLE. NETWORK CABLING WITHIN BUILDINGS SHALL BE CAT6 NETWORK CABLING.
MX(Y)	DIRECT BURIED POWER CABLE FOR LIMIT MARKER - X INDICATES SIZE IN AWG AND (Y) INDICATES NUMBER OF POWER CIRCUITS.

NOTES:

1. SEE UAC-A-01 THRU UAC-A-04 FOR LOCATIONS AND NUMBER OF TARGET OUTLETS IN STATIONS 1-4.
2. PROVIDE TWO SHIELDED CAT5E OR BETTER NETWORK CABLES BETWEEN NETWORK PEDESTAL AND REMOTE NETWORK BOX FOR STATIONS 1 & 2. TERMINATE EACH END WITH DATA NETWORK SURGE PROTECTION.
3. OBSERVATION PLATFORMS MUST BE SITED A MINIMUM OF 10.7 METERS FROM THE BASE LINE.
4. THE ELECTRICAL ROOM SHALL HOUSE THE ELECTRICAL POWER PANEL, THE LIGHTING CONTACTOR, THE NETWORK PEDESTAL, AND THE REMOTE COMMUNICATION ENCLOSURE.

ENSURE CIRCUIT RUNS OF CAT5E OR BETTER CABLING ARE UNDER 90 METERS BETWEEN EACH TERMINATION POINT.

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 date: | Plot scale:

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

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RANGE AND TRAINING LAND PROGRAM
STANDARD DESIGN MANUAL

SAMPLE POWER AND DATA LAYOUT

URBAN ASSAULT COURSE

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