

Target Interface Inspection {Construction Compliance} Checklist

INSPECTION ITEM		YES	NO	NOTES
10	MAT Emplacements:			
a	Emplacement size is IAW CEHNC 1110-1-23 (see drawing CD-06).			©
b	No. 6 AWG bare copper conductor is provided between the grounding rod and the LC(power panel) mounting bolt.			©
c	10 KVA (minimum) power center with 120/240VAC secondary power is provided.			©
d	Target power outlet is a NEMA L14-20R, 20Amp, 125/250V with weatherproof cover.			©
e	2-120V NEMA L5-20R receptacles with in-use cover are provided.			©
f	Track bed/service road width is a minimum of 8.25 meters.			©
g	MAT track bed/service road grade does not exceed 5.7 degrees (10 percent).			©
h	The first 60 meters (196 feet) of MAT roadbed (at its power source end) and the last 40 meters (131 feet) of track has a grade of 0 degrees ±1 percent.			©
i	Ensure all metal equipment is bonded and grounded.			
j	The minimum turning radius of curved track is 152.4 meter (500 feet).			©
k	A No. 6 AWG bare copper conductor is provided between the grounding rod and the LC and TDP equipment grounding bar.			©
l	A 15-foot free length coil of No. 1/0 AWG copper wire is provided from the grounding rod.			©
m	Berm fill is sloped 3" above wall level and tapers to level with protective timber at the front of the emplacement.			©
n	TDP and LC location, configuration, and dimension is IAW CEHNC 1110-1-23. (see drawing ED-04).			©
o	All data and power conduits are routed to the rear or side of emplacement.			©
p	TDP has adequate free space for installation of media converter, copper data cable protector, optical fiber switch, or hub.			©
q	Data cables are installed in the TDP with a minimum of a one meter service loop coiled inside the box.			©
r	Permanent tags are attached to the cables (inside the box, directly above the conduit opening) to identify the cable destination.			©
s	Buffer tube fan-out kits are properly installed and anchored (furcation units are not required).			
t	All conduits are sealed entering the TDP from the ground.			©
u	SC type connectors installed on all fiber cables.			
v	SC connector panels are individually and permanently labeled showing fiber destinations.			
w	Watertight fittings are provided for all conduit and cable entries.			©
x	All data cable armor and/or shields are bonded to ground bar in TDP.			©
y	Minimum bend radius of optical cable has not been exceeded (10 times the diameter of the cable under no load conditions).There is also no micro bending of optical cable (pinched).			©
z	Data cables meet CEHNC 1110-1-23 specifications.			©
aa	A 120-volt duplex receptacle is provided in the TDP.			©
bb	A 120-volt, 20-amp weatherproof duplex GFCI receptacle is provided for maintenance.			©
cc	Provide surge suppression.			

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10	MAT Emplacements:			
dd	Data surge protection is provided between targetry emplacements on one end of any copper cabling.			
ee	Emplacement bed and berm are compacted to the designed 95% compaction and are free of large holes.			
ff	All enclosures are clean of dirt and debris.			
gg	All emplacements are clean of unwanted dirt and debris.			