TileFOX_E Construction

FOX

3rd - 7th July 2019

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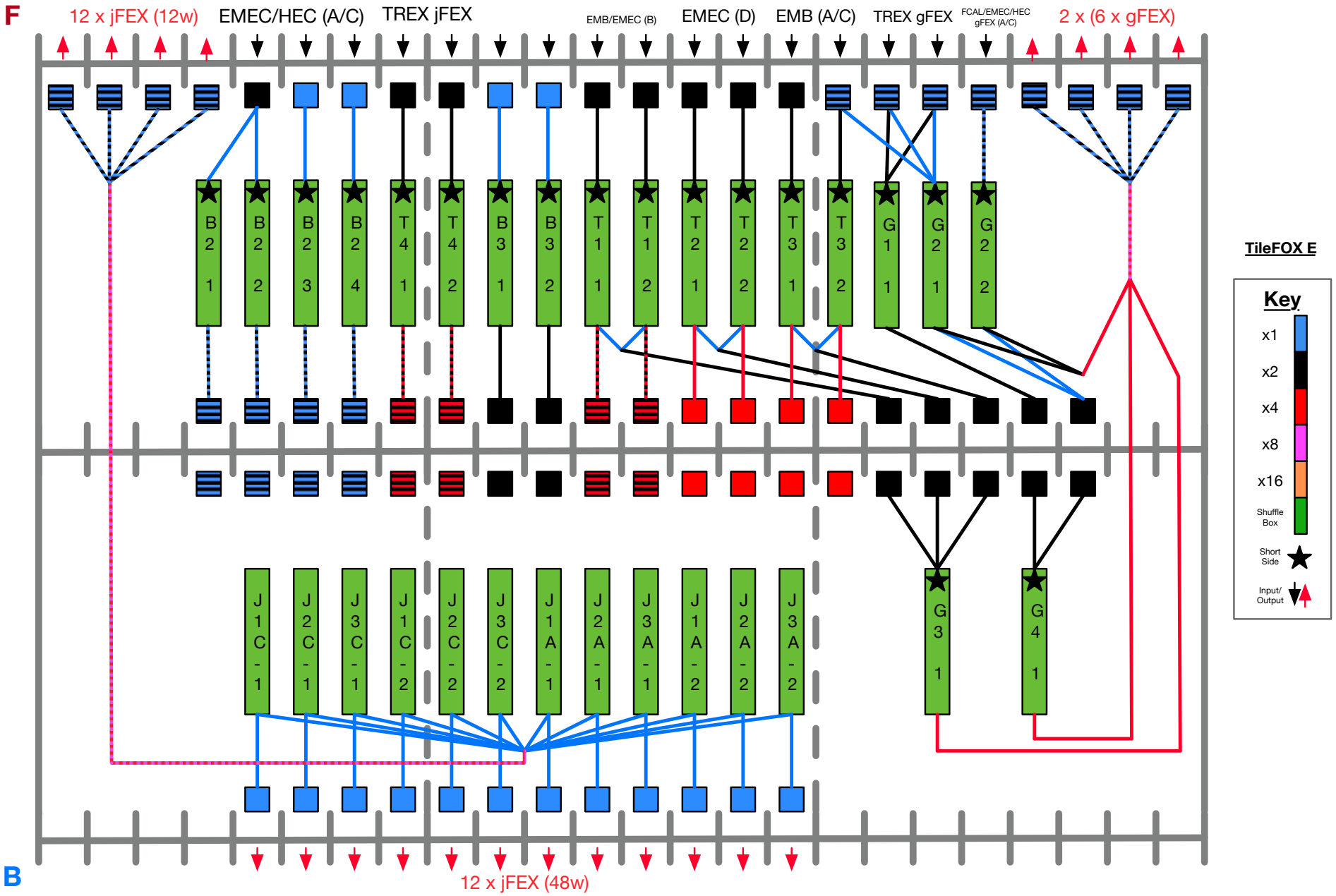
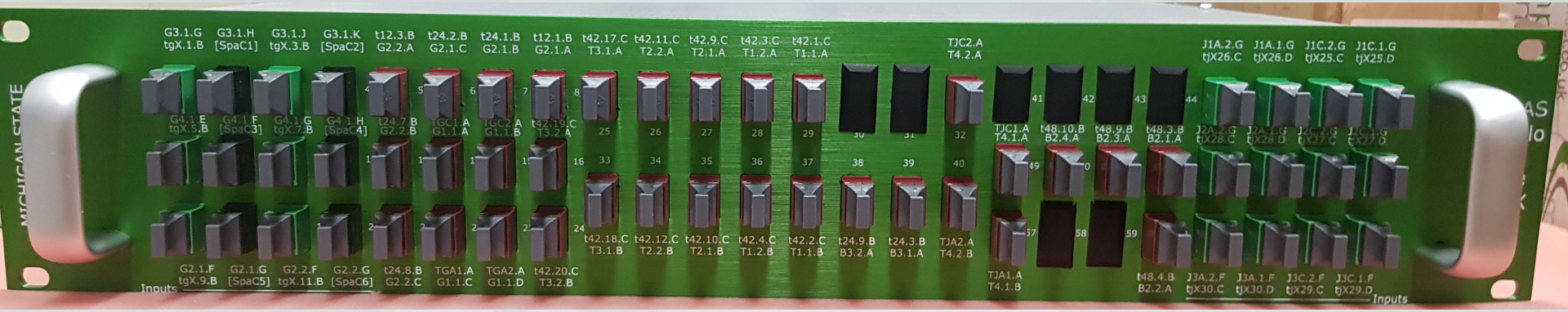
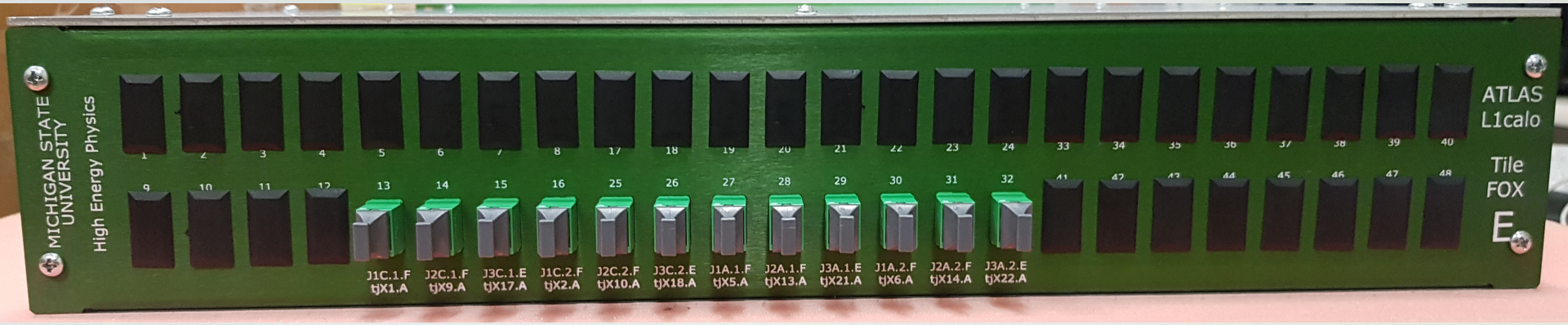
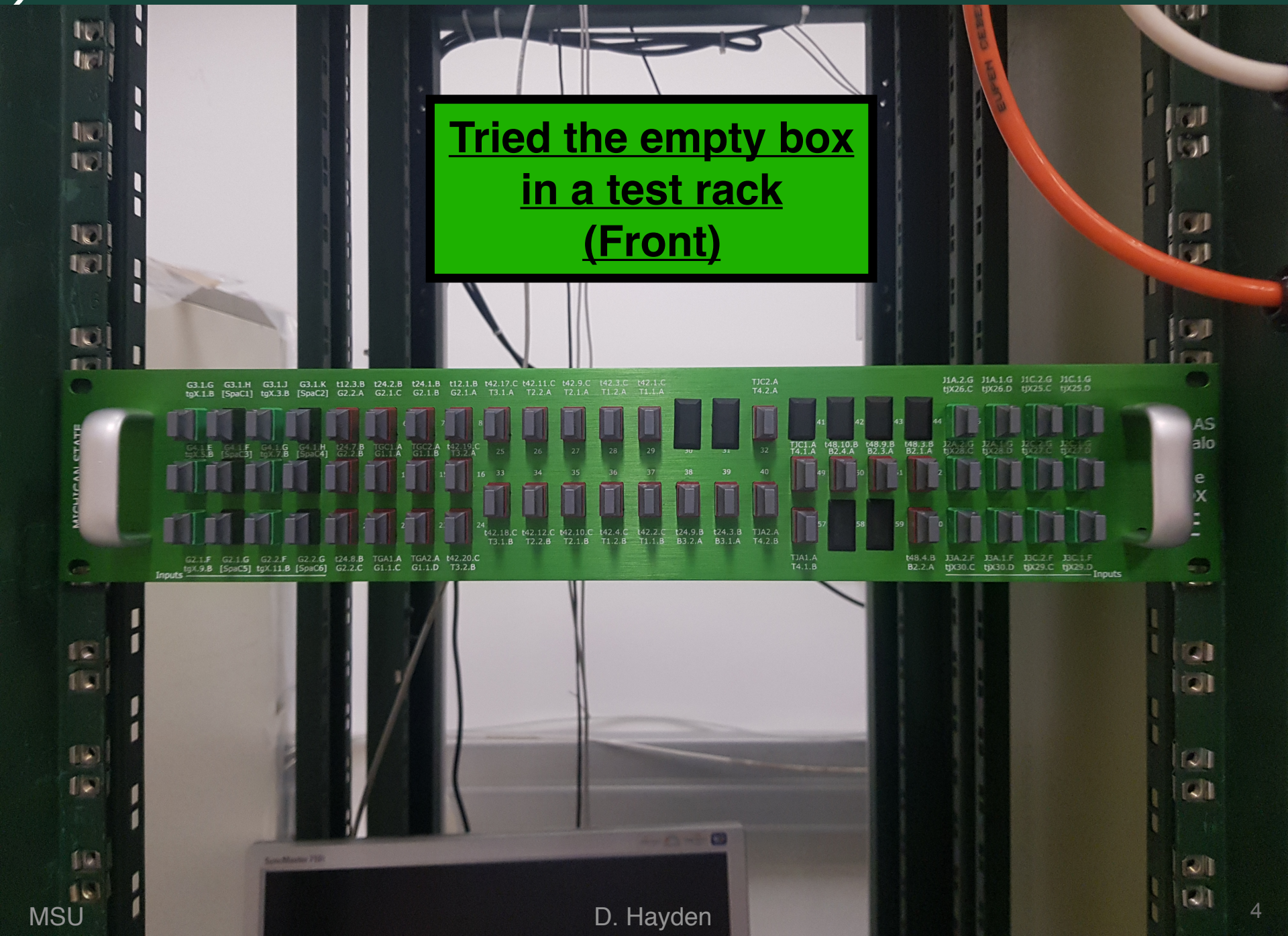

F
12 x jFEX (12w)
EMEC/HEC (A/C)
TREX jFEX
EMB/EMEC (B)
EMEC (D)
EMB (A/C)
TREX gFEX
FCAL/EMEC/HEC gFEX (A/C)
2 x (6 x gFEX)
B21
B22
B23
B24
T41
T42
B31
B32
T11
T12
T21
T22
T31
T32
G11
G21
G22
J1C-1
J2C-1
J3C-1
J1C-2
J2C-2
J3C-2
J1A-1
J2A-1
J3A-1
J1A-2
J2A-2
J3A-2
G31
G41
B
12 x jFEX (48w)
TileFOX E
Key
x1
x2
x4
x8
x16
Shuffle Box
Short Side
Input/ Output

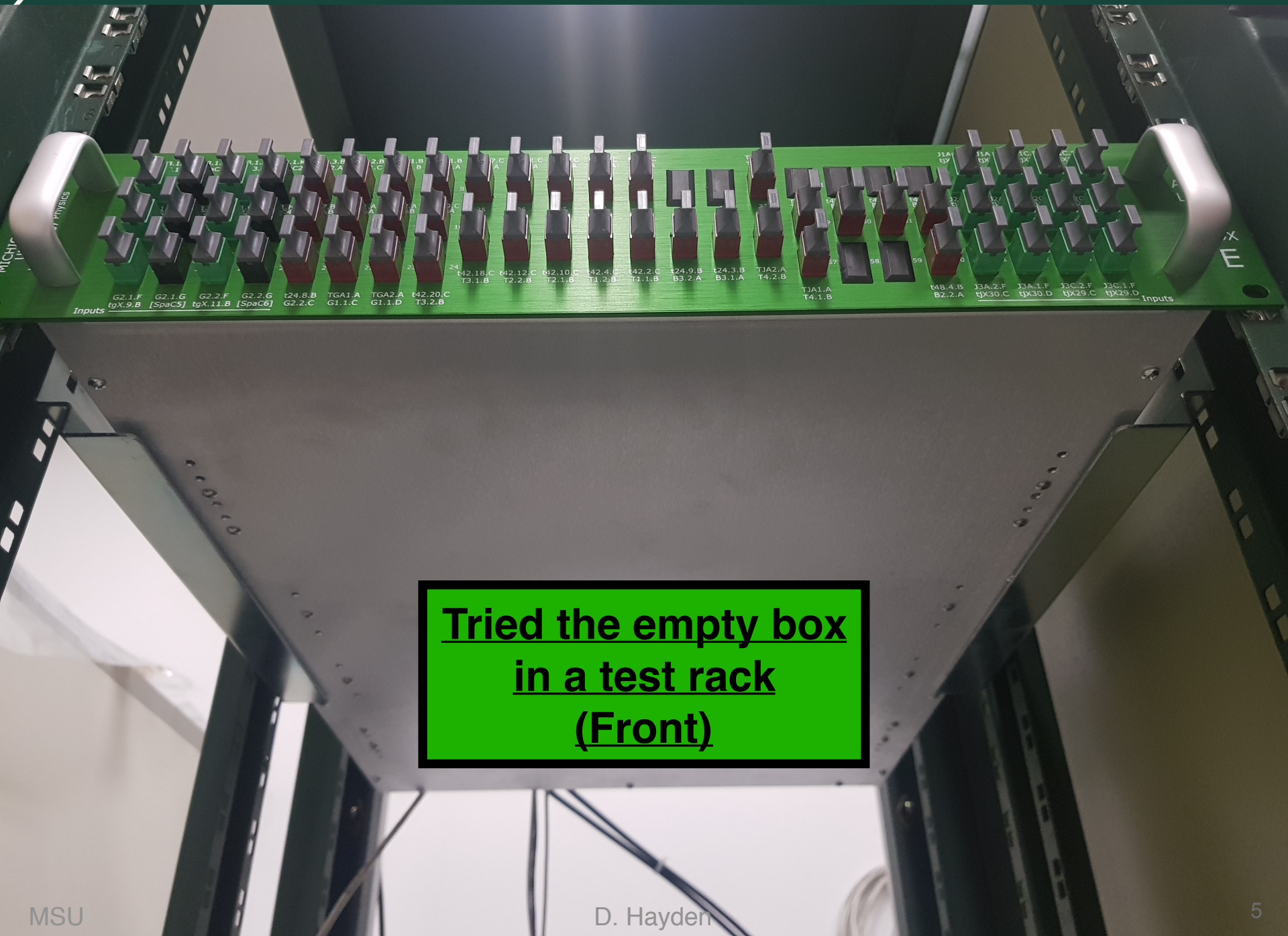
Front Panel

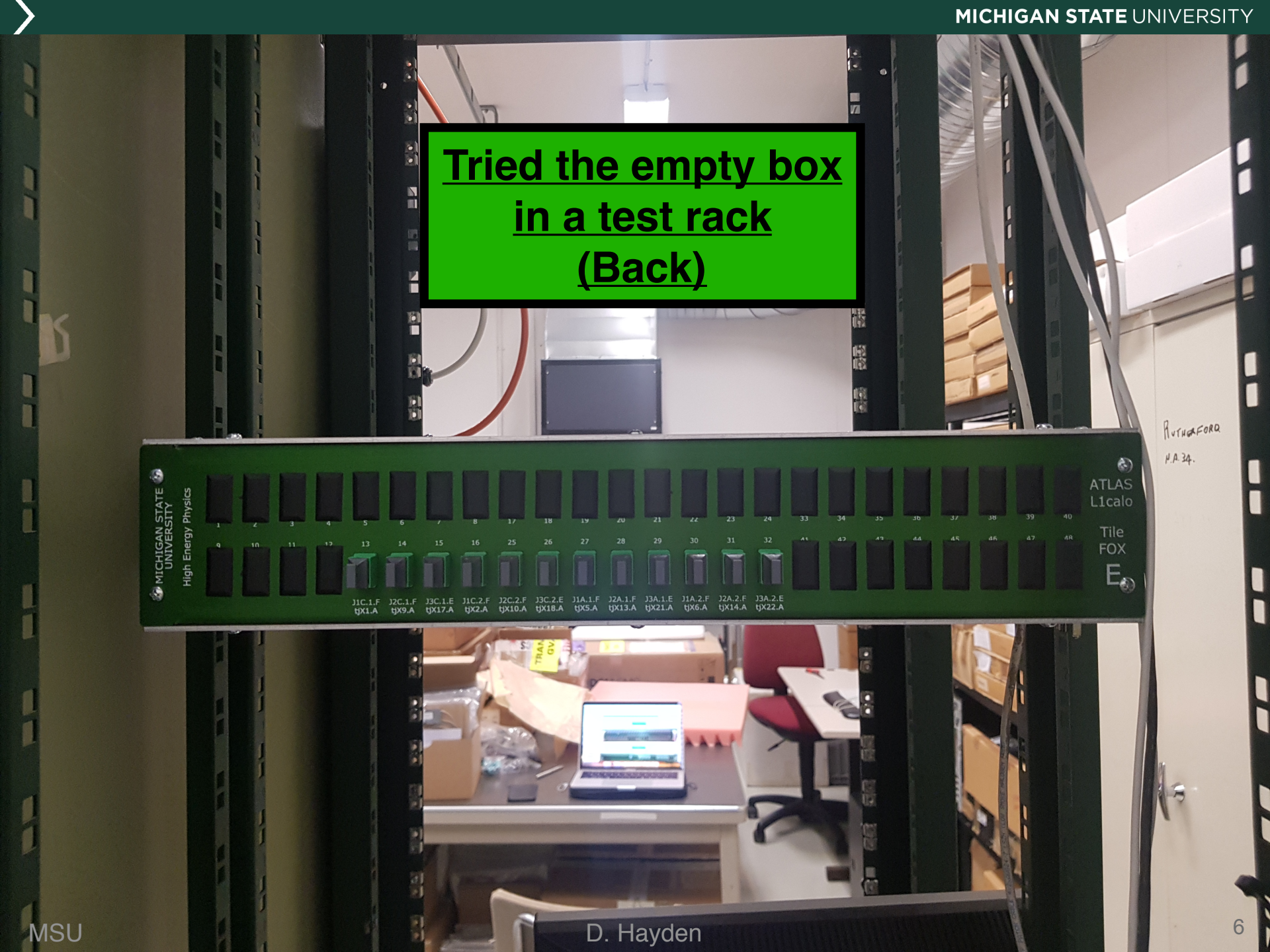


Back Panel



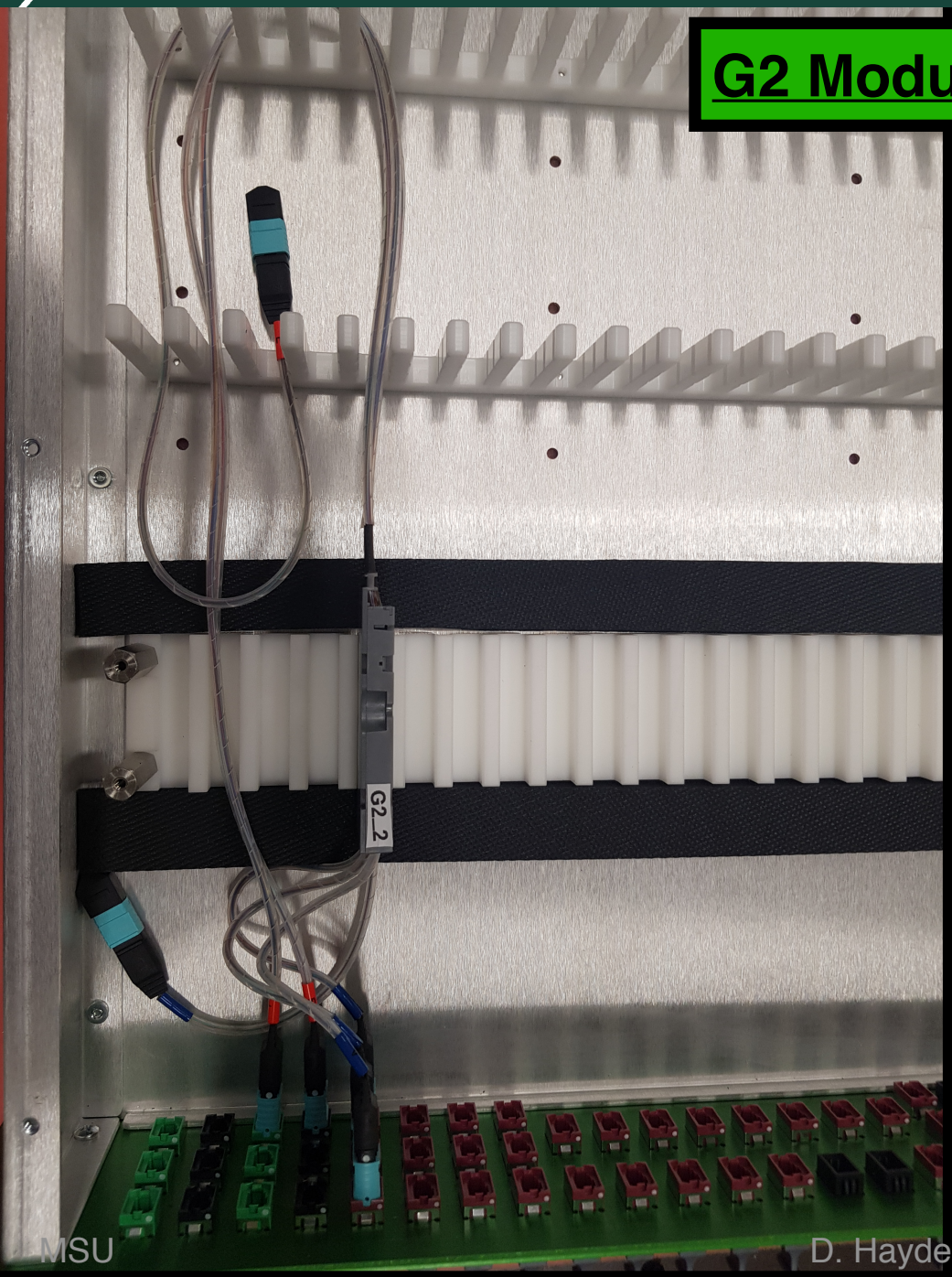

Tried the empty box
in a test rack
(Front)


Tried the empty box
in a test rack
(Front)


Tried the empty box in a test rack (Back)
MICHIGAN STATE UNIVERSITY
High Energy Physics
ATLAS
L1calo
Tile
FOX
E
J1C.1.F tjX1.A
J2C.1.F tjX9.A
J3C.1.E tjX17.A
J1C.2.F tjX2.A
J2C.2.F tjX10.A
J3C.2.E tjX18.A
J1A.1.F tjX5.A
J2A.1.F tjX13.A
J3A.1.E tjX21.A
J1A.2.F tjX6.A
J2A.2.F tjX14.A
J3A.2.E tjX22.A


Tried the empty box
in a test rack
(Side)

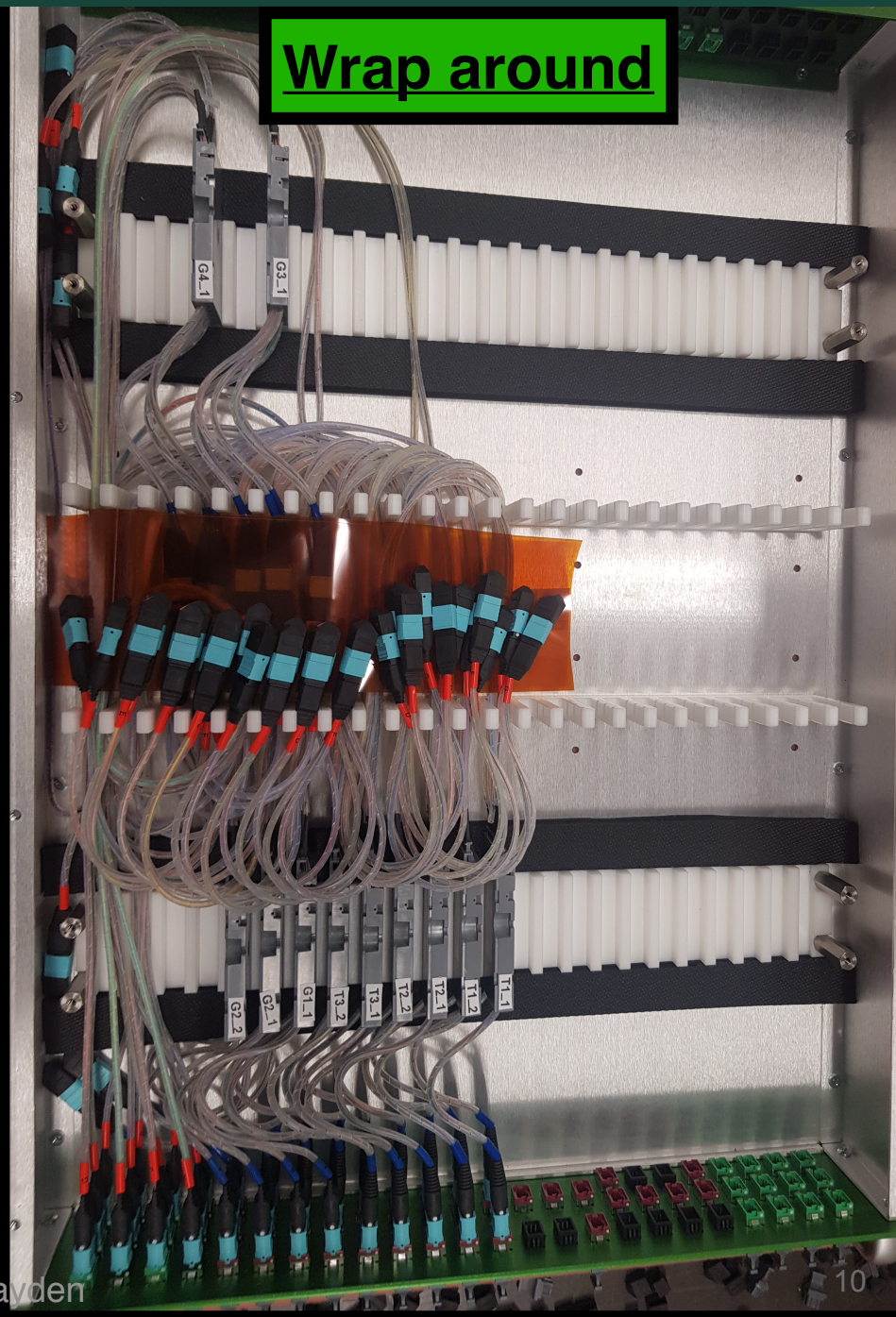
G2 Modules



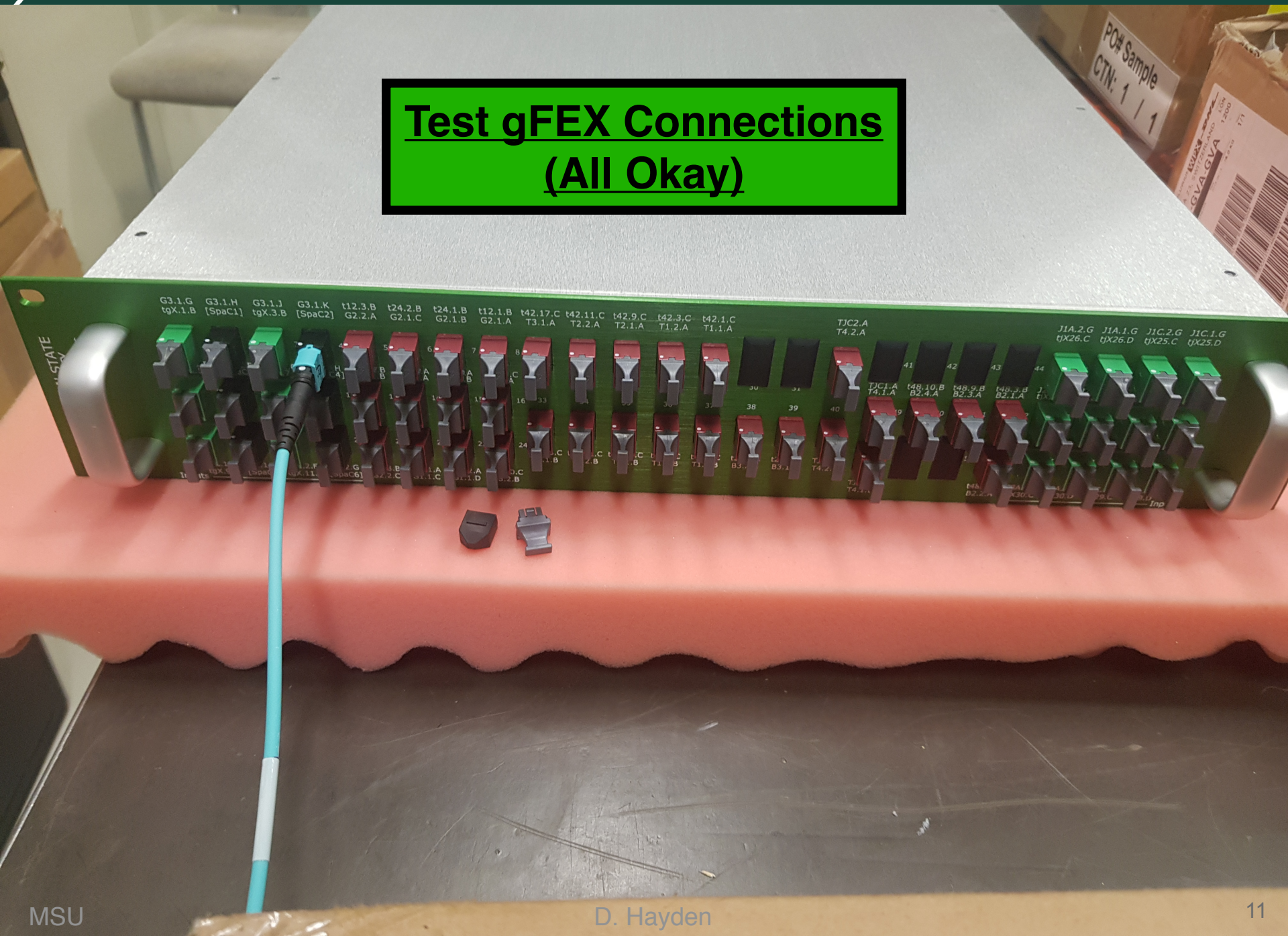

G1 / T1 / T2 / T3 Modules


G4 and G3 Modules


First plastic layer
G4_1
G3_1
G2_2
G2_1
T3_2
T2_2
T2_1
T1_2
T1_1


Wrap around
G4_1
G3_1
G2_2
G2_1
G1_1
T3_2
T3_1
T2_2
T2_1
T1_2
T1_1

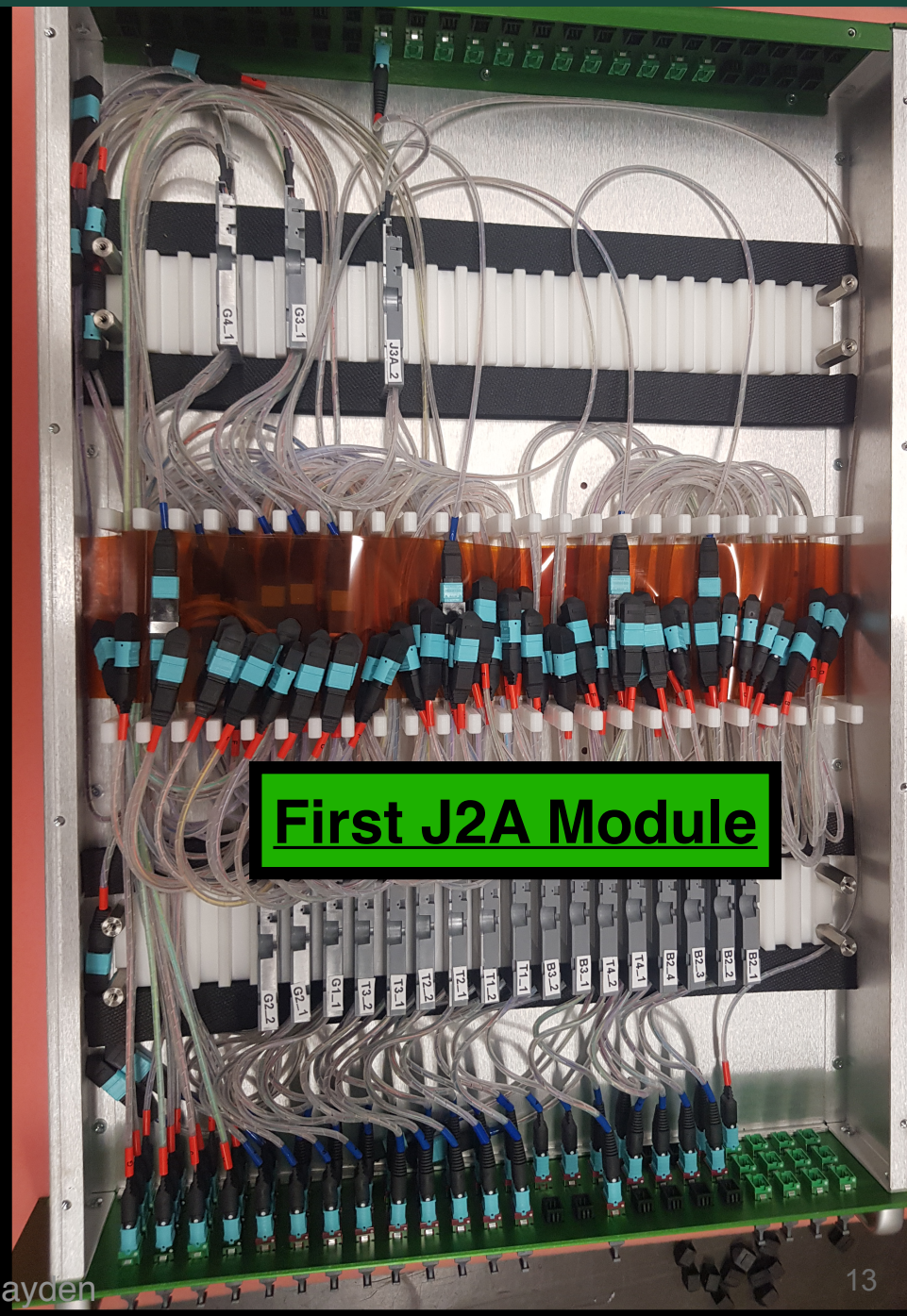
Test gFEX Connections (All Okay)

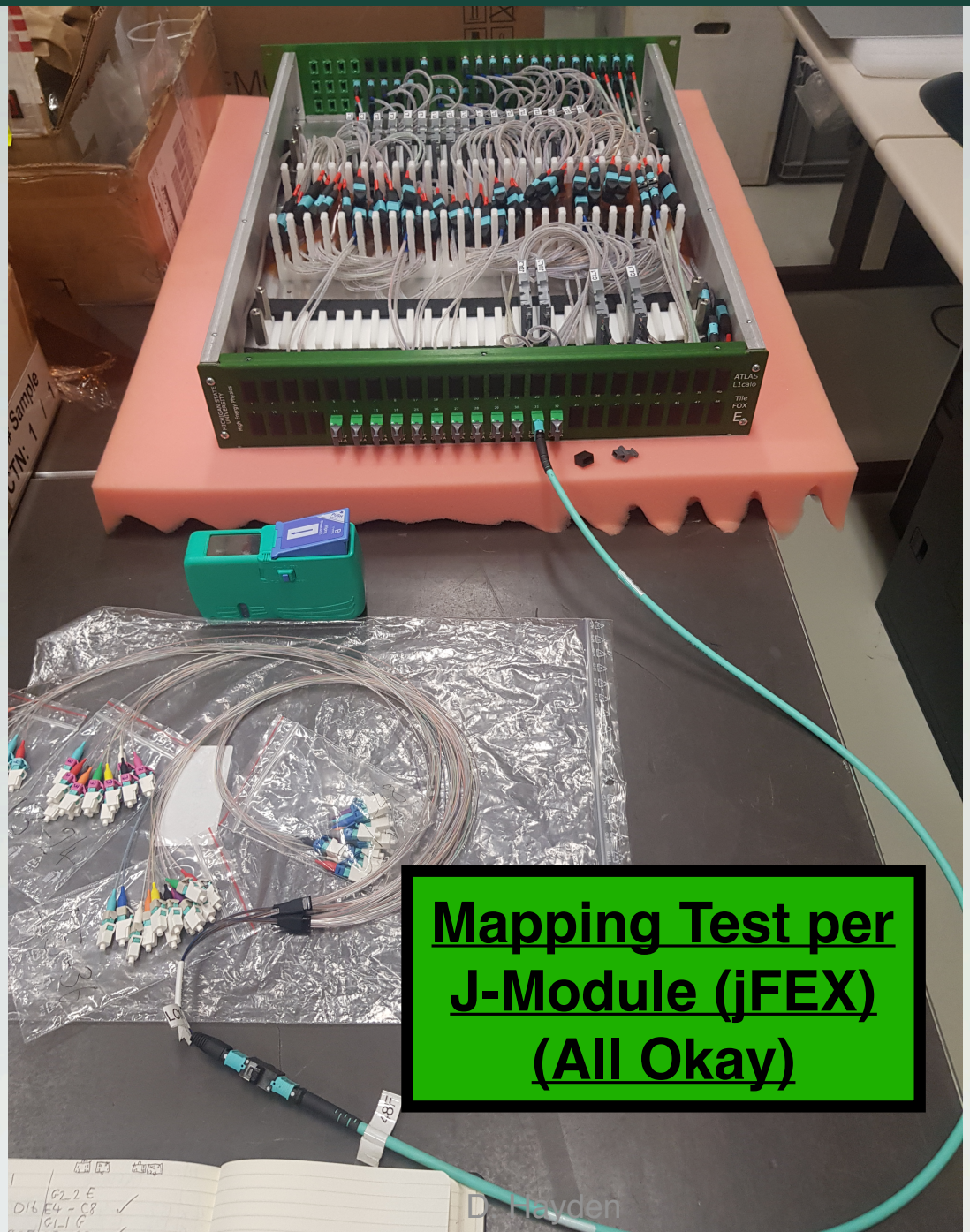



B3 Modules
G4_1
G3_1
G2_2
G2_1
G1_1
T3_2
T3_1
T2_2
T2_1
T1_2
T1_1
B3_2
B3_1


T4 / B2 Modules
G4_1
G3_1
G2_2
G2_1
G1_1
T3_2
T3_1
T2_2
T2_1
T1_2
T1_1
T4_1
B2_4
B2_3
B2_2
B2_1

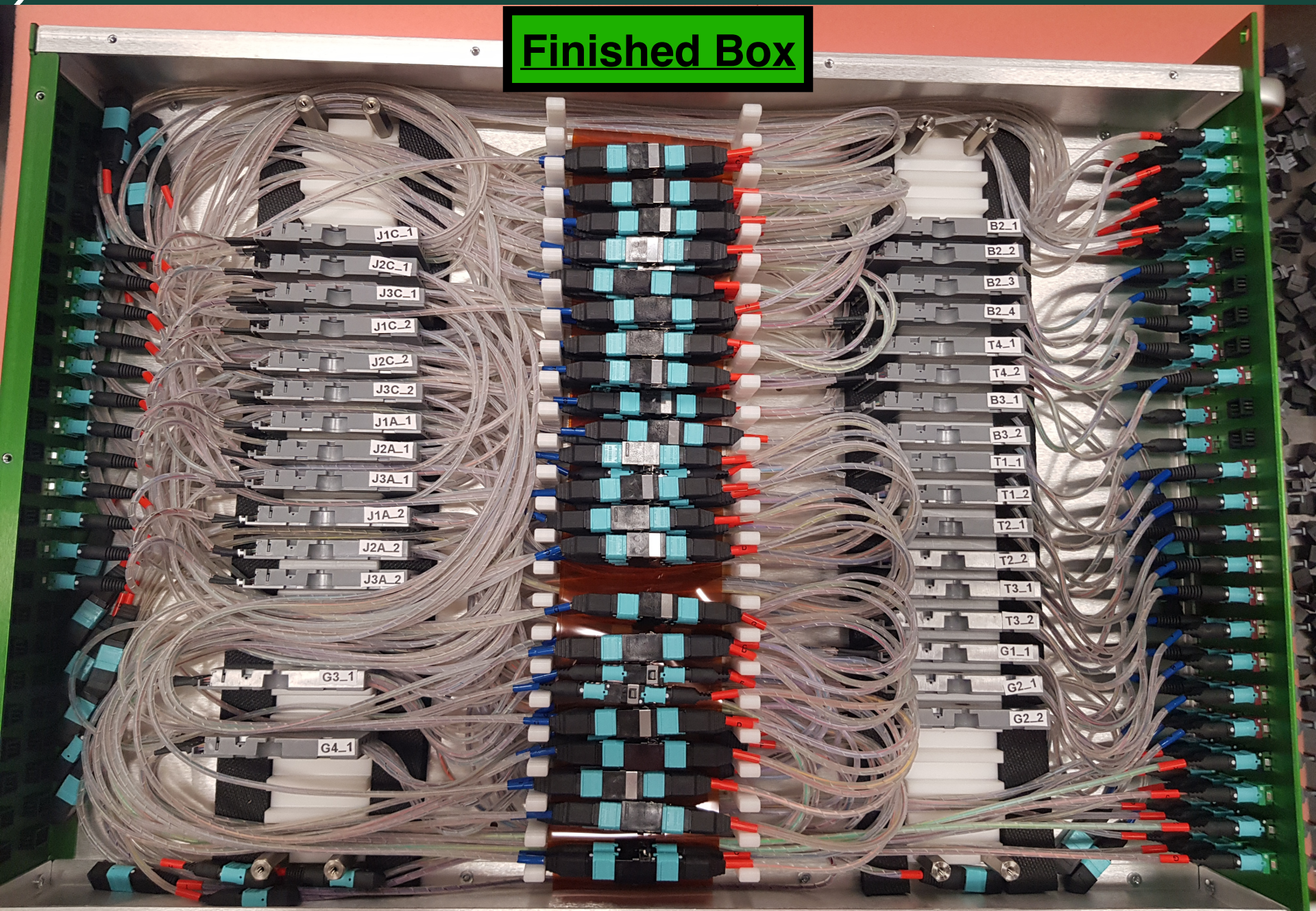

Plastic Layer
and
Wrap Around
G4_1
G3_1
G2_2
G2_1
G1_1
T3_2
T3_1
T2_2
T2_1
T1_2
T1_1
B3_2
B3_1
T4_2
T4_1
B2_4
B2_3
B2_2
B2_1


First J2A Module
G4_1
G3_1
J3A_2
G2_2
G2_1
G1_1
T3_2
T3_1
T2_2
T2_1
T1_2
T1_1
B3_2
B3_1
T4_2
T4_1
B2_4
B2_3
B2_2
B2_1

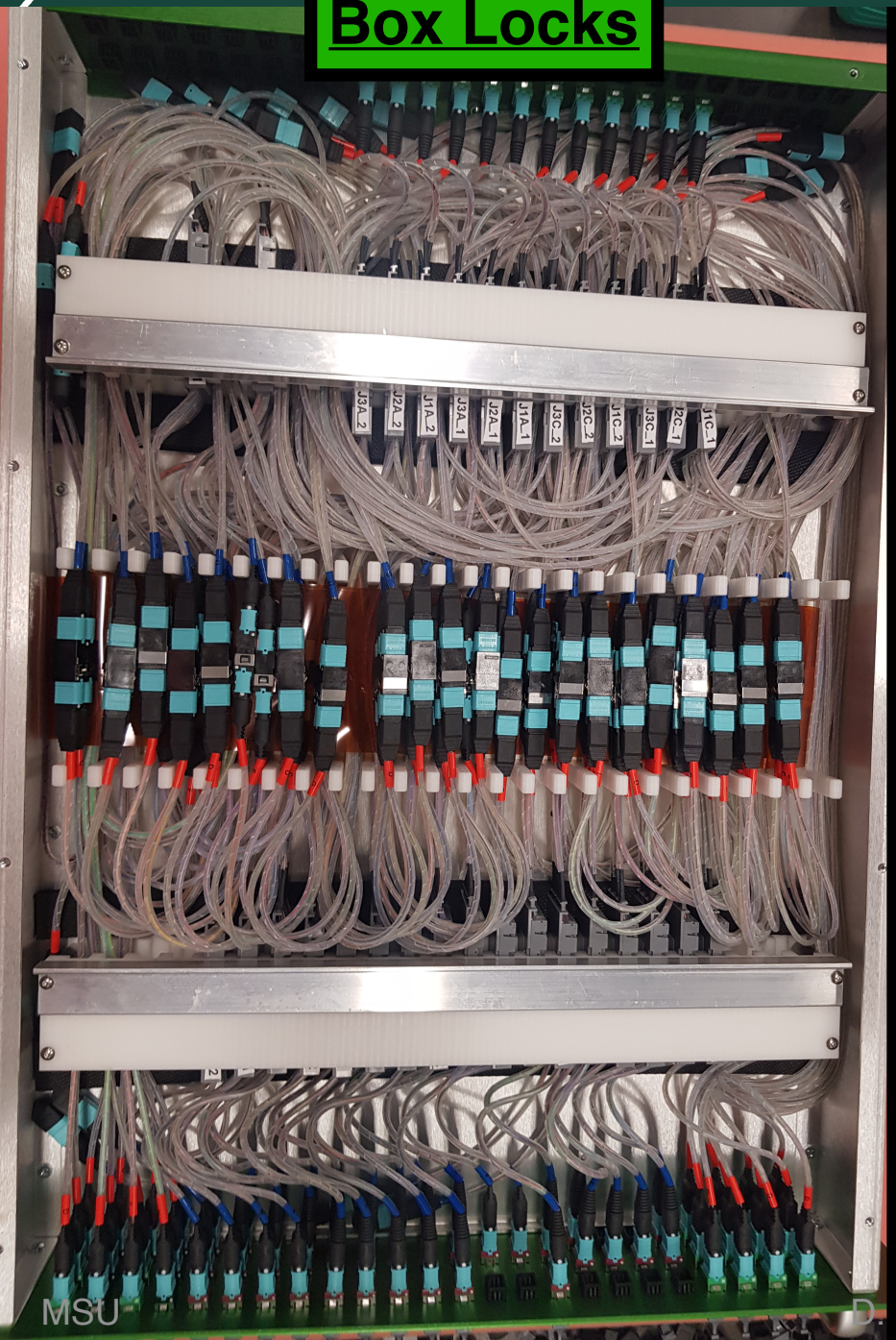


Mapping Test per J-Module (jFEX) (All Okay)

Finished Box



Box Locks



Final Plastic Layer