

Last Saved: N:\47\472\47211 - TCNJ Campus Fire Alarm\010 Cable Infrastructure Upgrade\47211 - 11 - FA013.dwg, 5/4/20 at 5:10 PM By SGOWERS - Last Printed: 5/4/20 at 5:21 PM By Gowers, Scot

MN	0 1	P	Q		R		S	T	
ALANY PARTA ALANY PARTA ALANY PARTA ALANY		KEY N KEYNC 1a. Co Se St	OTES 1 THRU 5 OTES 1 THRU 5 ore Drill Founc ealed As Per G heets And TCN	ARE REPEATED lation Wall For I 005. Coordinate	ETC.) ON ALL INTERIO New Conduit Poi Final Point Of E	R FIBER ROUTING int Of Entry. Wall intry Location And	G DRAWINGS Penetration S d Conduit Qua	hall Be Sleeved Ar ntity With FA005	nd - FA008
		1b. Lo 1c. Ex To 2. Ro A 3. To Ro	ocation Of Exis xisting Spare Fi ermination Poi oute Fiber Patl nd Fiber Label erminate Fiber ack. Coordinat	ting Empty Con ber Capacity Av nts. way As Per GO ng As Per Specs Within New Ca e Labeling Term	duits. Provide No ailable At MDF. 03 From Point O 5. ble Connector H inations With T(ew Fiber And Inne Coordinate With f Entry To Main D lousing Located V CNJ IT Departmer	erduct. TCNJ IT Depar Distribution Fra Vithin Existing	tment For Specific nme. Provide Slack Main Distribution	c k Loop 2 n Frame
Increase Inc		4. Ro Fr Fi 5. N Ti 6. Ro	oute Fiber Patl rame Cable Co re Alarm Cont ew Wall Moun he Fire Alarm (oute Fiber Con	nway As Per GOG nnector Housing rol Panel. ted Connector I Control Panel. C duit As Close To	03 Containing 12 g To Wall Mount Housing (WCH) A oordinate Final I o The Existing Ce	2/12 Hybrid Fire A ted Connector Ho As Per Detail G00 Location With TC wiling As Possible.	Alarm Fiber Fro busing (WCH) L 3 / 06 Located NJ IT.	om Main Distributi ocated Adjacent T As Close As Possil	ion To The ible To 3
XISTING FIRE ALARM PANEL Fire Alarm Control Panel		9. Ro W	oordinate With xisting Fiber Ca dmin Splice To oute New 12/1 Vall Mounted C Vorkstation. Co	TCNJ IT Depar ble And To Rep Soccer Press Bo 2 Hybrid Fire A Connector Hous pordinate WCH	tment For Cable lace With A High ox, Admin Splice arm Fiber From Ing Located In Re Location With T	Removal For This ner Capacity Cable To Metzer Garag Main Distribution ecords Room For CNJ IT Before Inst	s Building. Th e Between Ad ge And Admin n Frame Cable New Life Safe tallation.	e Intent Is To Rem min Splice To Adm To Fire Pump. Connector Hosing ty Management Sy	nove The nin, g To ystem
		10. Pi M Sv 11. Pi Cu GENE	rovide New Fir lanagement Sy witch To Fiber rovide Two Ind oordinate Wor RAL NOTES	e Alarm Network stem Network Network. ependent Life S kstation Locatio	k Switch And Fil Architecture. Co afety Managem ons With TCNJ TI	per Patch Cords A pordinate With TC ent System Work Prior To Installat	as Required Fo CNJ IT Departn sstation Conne	r New Life Safety nent For Connection ctions From MDF.	on Of . 5
		1. Tl Ec In 2. N A	he Associated quipment And stallation (In C ew 1-1/4" Fib nd Elbows. Fi o Concealed Lo	Project Drawing Devices; Coord Conjunction Wit er Conduit To E exible Non Met cations.	gs Are Diagramr inate All Details h The Project Sp Be Concealed W callic Tubing Inst	natic And Are No Of Work As Req ecifications). /henever Possible cead Of Conduit I	ot Intended To uired To Achie e With Junctio s Acceptable V	Show The Location eve A Complete Fu n Boxes At All Tra Where Pathway Is	ion Of All unctional ransitions s Located
ASEMENT EXPOSED CEILING d Ceiling In The Basement		3. A H 4. Cu 5. A	II Work Shall B aving Jurisdicti onduit Routing onditions. II Work And M	e Done In Accor on. g Where Shown aterials Shall Be	rdance With Ind Are Diagramma New Unless Otl	ustry Constructio tic. Contractor To herwise Noted.	on Codes, Stan	dards, And Other A	Agencies ^{n Existing} 7
		 All Work And Materials Shall be New Onless Otherwise Noted. Contractor Shall Be Responsible To Sleeve Wall And Floor Penetrations Prior To Running Cable A Conduit For All Cable Runs Noted In Plans. Contractor To Firestop Wall And Floor Penetrations After Running Cables And Conduit. A Portion Of This Work Will Be Occurring In The Path Of An Emergency Egress Route. During All Pha Of This Project, A Protected Emergency Egress Route Must Be Maintained Through Each Affect Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department 						able And All Phases Affected ment Of	
		PART Identi ,0	IAL SYMBOLS	ber Pathway or Through Sec	rionse or ke-d	Identifier FACP POE	Description Fire Alarm Point Of En	<u>n</u> Control Panel try	9
EXISTING FIRE ALARM PANEL Introl Panel In Basement Electrical Room			Condu Down Fire Al Wall M IT Rack	it Pipe Drop / O arm Control Par Iounted Connec c fety Manageme	ffset nel ctor Housing nt System	MDF	Main Distri	bution Frame	10
			Photo Conne MDF /	Identification Ta ct To Existing POE	ag				11
								$\left(\right)$	12
							ALL		13
D - CORRIDOR CEILING ove Open Ceiling In Basement					CAI	GREEN LN	11		14
project TCNJ - CAMPUS FIRE PART A - CABLE INFR 2000 PENNINGTON F EWING NJ, 08618	ALARM PROJECT ASTRUCTURE UPGRAD ROAD,	title INTERI ADMIN FIRE A scale AS SHOW	IOR FIBER F N SERVICE F LARM	OUTING BUILDING & y checked SG	AIMM BUILI	DING 2020	dwg. no	FA013	B DLB Associates 2020

project
TCNJ - CAMPUS FIRE ALARM PROJECT
PART A - CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ. 08618





0

Ρ

PHOTO B - EXISTING MDF ROOM Existing MDF In First Floor Electrical Room

		Q		R		S	Т	
KEY	NOTES 1	(SYMBOLS	1,2, ETC.)					
Ia.	Core Dri Sealed A Sheets A	III Foundation V As Per G005. Co And TCNJ IT Dep	Vall For New Co ordinate Final P partment.	nduit Point O oint Of Entry	f Entry. Wall F Location And	Penetration Conduit Q	n Shall Be Sleeved And Quantity With FA005 - FA008	1
1b. 1c.	Location Existing Termina	n Of Existing Em Spare Fiber Cap	pty Conduits. Pr pacity Available	rovide New Fi At MDF. Coor	ber And Inne dinate With T	rduct. FCNJ IT Dep	partment For Specific	
2.	Route Fi And Fibe	ber Pathway As er Labeling As P	s Per G003 From Per Specs.	n Point Of Ent	ry To Main Di	stribution	Frame. Provide Slack Loop	2
3.	Termina Rack. Co	nte Fiber Within pordinate Labeli	New Cable Con ing Termination	inector Housi s With TCNJ I	ng Located W T Department	/ithin Existi t.	ing Main Distribution Frame	
4.	Route Fi Frame C Fire Alar	ber Pathway As able Connector m Control Pane	s Per G003 Cont Housing To Wa el.	aining 12/12 Ill Mounted C	Hybrid Fire Al onnector Hoเ	larm Fiber using (WCH	From Main Distribution I) Located Adjacent To The	
5.	New Wa The Fire	all Mounted Cor Alarm Control	nnector Housing Panel. Coordina	g (WCH) As Pe Ite Final Locat	er Detail G003 tion With TCN	5 / 06 Locat IJ IT.	ed As Close As Possible To	3
6.	Core Dr Housing	ill All Floor Pen (WCH) In Base	etrations To Rc ment. All Floor F	oute Fiber Fro Penetrations	om MDF On F To Be Labeled sible	irst Floor Per Spec /	To Wall Mounted Connector And Details On Sheet G005.	
8.	Route Ex 24"W x Interior	xterior Fiber Fro 30"H x 18"D Pu Space Above Co	om Undergroun Ilbox. Route Fro eiling Line.	d Conduit Up m The Pullbo	The Side Of T x Up The Exte	The Building Prior Of The	g To Enclosed Weatherproof e Building And Into The	4
GEN	NERAL N	OTES						
1.	The Ass Equipme Installat	ociated Project ent And Device ion (In Conjunc	Drawings Are I s; Coordinate A tion With The P wit To Be Conc	Diagrammatic II Details Of V roject Specific	And Are Not Vork As Requ cations).	intended ired To Ac	To Show The Location Of All hieve A Complete Functional	5
Ζ.	And Elbo Conceal	ows. Flexible N ed Locations.	on Metallic Tub	ing Instead O	f Conduit Is A	cceptable	Where Pathway Is Located In	
3.	All Worl Having J	< Shall Be Done urisdiction.	In Accordance	With Industry	Construction	n Codes, Sta	andards, And Other Agencies	6
4.	Conduit Conditic	Routing Where	e Shown Are Dia	igrammatic. C	Contractor To	Field Verif	y Routing Fiber With Existing	
5. 6.	All Worl	< And Materials	Shall Be New U	nless Otherw leeve Wall A	ise Noted. nd Floor Pen	netrations	Prior To Running Cable And	
7	Conduit	For All Cable R	uns Noted In Pla	ans. Penetrations	After Running	o Cables An	nd Conduit	7
8.	A Portio	n Of This Work	Will Be Occurr	ing In The Pat	th Of An Eme	rgency Egr	ess Route. During All Phases	
	Emerger Commu	ncy Egress Rounity Affairs Is Ro	equired To Close	etreat From	The Building. An Egress Ro	Approva	al From The Department Of	8
PAF	RTIAL SY	MBOLS & ABE	BREVIATIONS					$\left \right $
Ider	ntifier	Description			<u>Identifier</u>	Descript	ion	9
ــــــ	` -0	New Fiber Pat	hway Up Through Floo ough Section Cu	or t Line	FACP POE	Fire Alar Point Of	m Control Panel Entry	
<u>ـــــ</u>	Ð	Conduit Pipe I Down	Drop / Offset		MDF	Main Dis	tribution Frame	
F	ACP	Fire Alarm Co	ntrol Panel	ising				10
R		IT Rack						
(Photo Identifi Connect To E	cation Tag kisting					
		MDF / POE						11
			PENNINGTON RD		ç-1 c ^a -4 c ^a -4			
								12
							AL	
								13
				4				
				CAMPUS	GREEN LN			¹⁴
title INTE	RIOR F	IBER ROUTI	NG		~	dwg.	no.	┝
ARM FIRE	ISTRON ALARN	IG HALL & B	IOLOGY BUI	LDING _{date}			FA014	
AS SHO	OWN	ÁM Í	SG	05/03/2020		Confiden	tial and Proprietary / ©DLB Associate	es 2020

T C	•
F	

		Q		۲		S	Т	
KEY	NOTES	(SYMBOLS	1,2, ETC.)					
KEVI								
1a.	Core Dri	ill Foundation W	/all For New Cor	nduit Point Of	Entry. Wall F	Penetration	Shall Be Sleeved And	1
	Sealed A Sheets A	As Per G005. Coo And TCNJ IT Dep	ordinate Final P artment.	oint Of Entry I	Location And	Conduit Qu	antity With FA005 - FA008	
1b.	Locatior	n Of Existing Em	pty Conduits. Pr	ovide New Fil	per And Inne	rduct.		
1c.	Existing	Spare Fiber Cap	acity Available	At MDF. Coord	dinate With T	ГCNJ IT Depa	rtment For Specific	
2.	Route Fi	iber Pathway As	Per G003 From	Point Of Entr	y To Main Di	stribution Fr	ame. Provide Slack Loop	2
	And Fib	er Labeling Ás P	er Specs.		,			
3.	Termina Rack. Co	ate Fiber Within pordinate Labeli	New Cable Con ng Termination	nector Housir s With TCNJ IT	ng Located W Department	/ithin Existin _i t.	g Main Distribution Frame	
4.	Route Fi	iber Pathway As	Per G003 Conta Housing To Wa	aining 12/12 F	Hybrid Fire Al	arm Fiber Fr	om Main Distribution	
	Fire Ala	rm Control Pane	el.	in wounted et				
5.	New Wa The Fire	all Mounted Con Alarm Control	nector Housing Panel. Coordina	(WCH) As Perter (WCH) As Perte	r Detail G003 ion With TCN	/ 06 Locate IJ IT.	d As Close As Possible To	3
6.	Core Dr	ill All Floor Pen	etrations To Ro	ute Fiber Fro	m MDF On F	First Floor To	Wall Mounted Connector	
7.	Route Fi	iber Pathway Ah	nent. All Floor F	where Poss	ible.	i Per Spec Ar	la Details on sheet 6005.	
8.	Route E	xterior Fiber Fro	om Underground	d Conduit Up	The Side Of T	he Building ⁻	To Enclosed Weatherproof	
	24"W x Interior	30"H x 18"D Pul Space Above Ce	llbox. Route Fro eiling Line.	m The Pullbo>	‹ Up The Exte	erior Of The I	Building And Into The	4
GEN	IERAL N	IOTES						
1.	The Ass Equipme	ociated Project ent And Devices	Drawings Are E s; Coordinate Al	Diagrammatic I Details Of W	And Are Not /ork As Requ	: Intended Te ired To Achi	o Show The Location Of All eve A Complete Functional	5
	Installat	ion (In Conjunct	tion With The Pi	oject Specific	ations).			
2.	New 1-2	1/4" Fiber Cond	luit To Be Conc	ealed Whene	ver Possible Conduit Is A	With Junctio	on Boxes At All Transitions	
	Conceal	led Locations.			Conduit is A		nere Falliway is Located in	
3.	All Wor	k Shall Be Done	In Accordance V	With Industry	Construction	n Codes, Star	ndards, And Other Agencies	6
	Having J	lurisdiction.						
4.	Conduit Conditio	Routing Where	Shown Are Dia	grammatic. C	ontractor To	Field Verify	Routing Fiber With Existing	
5.	All Worl	k And Materials	Shall Be New U	nless Otherwi	se Noted.			
6.	Contrac	tor Shall Be Re	sponsible To S	leeve Wall Ar	nd Floor Pen	etrations Pr	ior To Running Cable And	
	Conduit For All Cable Runs Noted In Plans.							
7.	Contrac	tor To Firestop \	Wall And Floor I	Penetrations A	After Running	g Cables And	Conduit.	
8.	A Portic	on Of This Work	Will Be Occurri	ng In The Pat	h Of An Eme	rgency Egres	s Route. During All Phases	
	Emerge	ncy Egress Rou	tected Emerge te, Allowing Re	etreat From 1	The Building.	Approval	From The Department Of	
	Commu	nity Affairs Is Re	equired To Close	e Or Re-direct	An Egress Ro	oute.		8
PAF	RTIAL SY	MBOLS & ABB	REVIATIONS					
Ider	ntifier	Description			Identifier	Descriptio	<u>n</u>	
	`	New Fiber Pat	hway		FACP	Fire Alarm	Control Panel	9
	0	Conduit Pipe L Above Or Thro	Jp Through Floc ough Section Cu	or t Line	POE	Point Of E	ntry	
	Ð	Conduit Pipe [Drop / Offset		MDF	Main Distr	ibution Frame	
F								
<u>ا</u> ر	исн	Fire Alarm Cor	ntrol Panel I Connector Hou	ising				10
R	ACK	IT Rack						
(A	Photo Identific	cation Tag					
	•	Connect To Ex	isting					
		MDF / POE						
								12
						<u>I</u>		
							[]	
)[]	° −₩r≝		The Charles		
		۲ i				THE T		13
			L <u></u>					
		l.				1/F		
			~		GREEN LN			14
				CAMPUS				
^{title}	RIOR F	IBER ROUTI	NG			dwg. n	0.	
ARM FIRF	STRON	NG HALL & B	IOLOGY BUI	LDING			FA014	
scale AS SHC	DWN	drawn by AM	checked by SG	date 05/03/2020				
						Confidentia	I and Proprietary / ©DLB Associate	s 2020



S	^{title} INTERIOR F ARMSTRON FIRE ALARN	IBER ROUTI NG HALL & B A	NG IOLOGY BUI	LDING
	scale	drawn by	checked by	date
	AS SHOWN	AM	SG	05/03/2020

project
TCNJ - CAMPUS FIRE ALARM PROJECT
PART A - CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
FWING NI 08618



M	N	0	Р	Q	R	
	<image/>			 KEY NOTES (SYMBOLS (KEYNOTES 1 THRU 7 ARE REP) 1a. Core Drill Foundation Wa Sealed As Per G005. Coo Sheets And TCNJ IT Depa 1b. Location Of Existing Emp 1c. Existing Spare Fiber Capa Termination Points. 2. Route Fiber Pathway As I And Fiber Labeling As Pe 3. Terminate Fiber Within N Frame Rack. Coordinate 4. Route Fiber Pathway As I Frame Cabinet Connecto Fire Alarm Control Panel. 5. New Wall Mounted Conr The Fire Alarm Control P 6. Route Fiber Conduit As C 7. Core Drill All Floor Penet Housing (WCH) In Basem 	EATED ON ALL INTERIOR FIL all For New Conduit Point Condinate Final Point Of Entry rtment. ty Conduits. Provide New F city Available At MDF. Coo Per G003 From Point Of Ent r Specs. New Cabinet Connector Hot abeling Terminations With Per G003 Containing 12/12 r Housing To Wall Mounted hector Housing (WCH) As Per anel. Coordinate Final Loca lose To The Existing Ceiling rations To Route Fiber From ent. All Floor Penetrations	BER ROUTING of Entry. Wall P Location And iber And Inner rdinate With T try To Main Dis using Located of try To Main Dis try To Mai
Fire Alarm Control Panel				 GENERAL NOTES 1. The Associated Project E Equipment And Devices; Installation (In Conjunction) 2. New 1-1/4" Fiber Conduction And Elbows. Flexible Net In Concealed Locations. 	Drawings Are Diagrammatic Coordinate All Details Of V on With The Project Specifi it To Be Concealed When on Metallic Tubing Instead	c And Are Not Work As Requi cations). ever Possible Of Conduit Is

- 3. All Work Shall Be Done In Accordance With Industry Construction Co Having Jurisdiction.
- 4. Conduit Routing Where Shown Are Diagrammatic. Contractor To Fiel Conditions.
- 5. All Work And Materials Shall Be New Unless Otherwise Noted.
- 6. Contractor Shall Be Responsible To Sleeve Wall And Floor Penetra Conduit For All Cable Runs Noted In Plans.
- 7. Contractor To Firestop Wall And Floor Penetrations After Running Cable
- 8. A Portion Of This Work Will Be Occurring In The Path Of An Emerge Of This Project, A Protected Emergency Egress Route Must Be Emergency Egress Route, Allowing Retreat From The Building. Community Affairs Is Required To Close Or Re-direct An Egress Route

PARTIAL SYMBOLS & ABBREVIATIONS

<u>Identifier</u>	Description	Identifier
<u>۲</u>	New Fiber Pathway	FACP
⊶	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE
}	Conduit Pipe Drop / Offset Down	MDF
FACP	Fire Alarm Control Panel	
WCH	Wall Mounted Connector Housing	
RACK	IT Rack	
A	Photo Identification Tag	
•	Connect To Existing	
	MDF / POE	

PENNINGTON RD 드의 57

title INTERIOR FIBER ROUTING BLISS HALL & BROWER STUDENT CENTER FIRE ALARM						
	scale AS SHOWN	drawn by AM	checked by SG	date 05/03/2020		

GREEN LN

CAMPUS KEY

project
TCNJ - CAMPUS FIRE ALARM PROJECT
PART A - CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618

T	
RAWINGS netration Shall Be Sleeved And onduit Quantity With FA005 - FA008	1
uct. NJ IT Department For Specific	
ribution Frame. Provide Slack Loop	2
/ithin Existing Main Distribution ment. m Fiber From Main Distribution	
using (WCH) Located Adjacent To The	2
IT.	5
Floor To Wall Mounted Connector er Spec And Details On Sheet G005.	
	4
ntended To Show The Location Of All ed To Achieve A Complete Functional	
ith Junction Boxes At All Transitions cceptable Where Pathway Is Located	5
codes, Standards, And Other Agencies	
eld Verify Routing Fiber With Existing	
trations Prior To Running Cable And	6
Cables And Conduit.	
ency Egress Route. During All Phases Maintained Through Each Affected Approval From The Department Of te.	7
Description Fire Alarm Control Panel	8
Point Of Entry	
Main Distribution Frame	
	9
	10
	11
	12
	13
	14
dwg. no.	
+A015	
Confidential and Proprietary / ©DLB Associate	s 2019



M	N	0	Р		0	R	S	
		0		KEY NOTES	(SYMBOLS (1),②, ETC.)		
				 KEYNOTES 1 1 1a. Core Drill Sealed A Sheets A 1b. Location 1c. Existing S Termina 2. Route Fil And Fibe 3. Termina Rack. Co 4. Route Fil Frame Ca Fire Alari 5. New Wa The Fire 6. Core Drill Frame (N Level Sto 7. Route Fil 	 THRU 5 ARE REPEAULT II Foundation Walss Per G005. Coordend TCNJ IT Depart Of Existing Empty Spare Fiber Capaction Points. Spare Fiber Capaction Points. Spare Pathway As Pereaulter to the provide the second s	ATED ON ALL INTERIOR For New Conduit Point linate Final Point Of Ent tment. / Conduits. Provide New ity Available At MDF. Co er G003 From Point Of E Specs. ew Cable Connector Hou Terminations With TCN er G003 Containing 12/2 busing To Wall Mounted ector Housing (WCH) As nel. Coordinate Final Lo ations To Route Fiber Fr or. Route From MDF T oor Penetrations To Be bse To The Existing Ceili	FIBER ROUTING DI Of Entry. Wall Per ry Location And Co r Fiber And Innerde oordinate With TCl intry To Main Diste using Located With J IT Department. L2 Hybrid Fire Alar d Connector Housi Per Detail G003 / cation With TCNJ I fom Point Of Entry o Wall Mounted Labeled Per Spec / ng As Possible.	R/ neo N N N N N N N N N N N N N N N N N N N
				GENERAL N	OTES			
EXISTING FIRE ALARM P	PANEL		-	1. The Asso Equipme Installati	ociated Project Di nt And Devices; (on (In Conjunctio	awings Are Diagramma Coordinate All Details O n With The Project Spec	tic And Are Not Ir Work As Require	nt ec
g Fire Alarm Control Pane	2			2. New 1-1 And Elbo In Conce	/4" Fiber Condui ows. Flexible No aled Locations.	: To Be Concealed Whe n Metallic Tubing Instea	enever Possible W ad Of Conduit Is A	/it
				3. All Work Having Ju	Shall Be Done In urisdiction.	Accordance With Indus	try Construction C	ю
				4. Conduit Conditio	Routing Where Sl ns.	າown Are Diagrammatic	:. Contractor To Fig	el
				 All Work Contract 	And Materials Shor Shall Be Resp	all Be New Unless Othe onsible To Sleeve Wal	rwise Noted. I And Floor Penet	tra
				Conduit 7. Contract	For All Cable Runs or To Firestop Wa	Noted In Plans.	ns After Running C	Ca
		Y		8. A Portion Of This Emergen Commur	n Of This Work W Project, A Prote acy Egress Route, hity Affairs Is Requ	ill Be Occurring In The I cted Emergency Egress Allowing Retreat Fror aired To Close Or Re-dire	Path Of An Emerge Route Must Be The Building. ect An Egress Rout	er N A te
			-	PARTIAL SY	MBOLS & ABBR	EVIATIONS		
				Identifier	Description	(2)(Identifier	<u>D</u> Fi
					Conduit Pipe Up Above Or Throug	Through Floor sh Section Cut Line	POE	P
				}	Conduit Pipe Dro Down	op / Offset	MDF	M
				FACP	Fire Alarm Contr	ol Panel		
		P		RACK	IT Rack			
g Fire Alarm Control Pane					Photo Identificat	ion Tag		
				- V	MDF / POE	σ'''		
						PENNINGTON RD		
	······································						1 ×	2

AISTING CONDITIONS A Within The Game Room. Roo Above Drop Ceiling	the Fiber					GREEN LN
	project TCNJ - CAMPUS FIRE ALARM PROJECT PART A - CABLE INFRASTRUCTURE UPGRADES 2000 PENNINGTON ROAD,	^{title} INTERIOR I BUSINESS FIRE ALARI	FIBER ROUTI BUILDING & M	NG CENTENNIA	L HALL	
	EWING NJ, 08618	scale AS SHOWN	drawn by AM	checked by SG	date 05/03/2020	
						C

СТ	1
5 I	╂──
	-
NG DRAWINGS	1
all Penetration Shall Be Sleeved And	
nerduct.	
th TCNJ IT Department For Specific	
Distribution Frame, Provide Slack Loop	2
d Within Existing Main Distribution Frame	
e Alarm Fiber From Main Distribution	
Housing (WCH) Located Adjacent To The	
003 / 06 Located As Close As Possible To	3
TCNJ IT.	
Entry On Lower Level To Main Distribution nted Connector Housring (WCH) In Lower	
Spec And Details On Sheet G005.	
e.	
	4
	·
	{
	5
Not Intended To Show The Location Of All	
equired To Achieve A Complete Functional	
ble With Junction Boxes At All Transitions t Is Acceptable Where Pathway Is Located	
	6
tion Codes, Standards, And Other Agencies	
To Field Verify Routing Fiber With Existing	
Penetrations Prior To Running Cable And	'
ning Cables And Conduit.	
mergency Egress Route. During All Phases	
ing. Approval From The Department Of	0
Route.	0
	1
r <u>Description</u>	
Fire Alarm Control Panel	
Point Of Entry	
Main Distribution Frame	
	11
	12
How we have a second seco	
The second	
STA CONTRACTOR	
	13
~[]	
Ν	14
	\square
dwg. no.	
FA016	
Confidential and Proprietary / ODLB Associate	



Ρ

		1					<u> </u>		–	r –
T	KEV) (2) FTC)	R		S		Т	
								MINGS		
	1a.	Core Drill Sealed As Sheets Ar	Foundation Wal Per G005. Coord d TCNJ IT Depar	l For New Cor dinate Final P tment.	nduit Point C oint Of Entry	of Entry. Wall Location And	Penet I Cond	ration Shall Be Juit Quantity W	Sleeved And ⁄ith FA005 - FA008	1
	1b.	Location (Of Existing Empty	y Conduits. Pr	rovide New F	iber And Inne	erduct.	TDesertment	For Specific	
	10.	Terminat	ion Points.		ALMDF. COO			tion From D		
	2.	And Fiber	Labeling As Per	Specs.			istribu	ition Frame. Pr		
	3.	Rack. Coo	e Fiber Within Ne rdinate Labeling	ew Cable Con Termination	s With TCNJ	Ing Located M IT Departmen	/ithin t.	Existing Main L	Distribution Frame	
	4. 5	Route Fib Frame Ca Fire Alarn Provide M	er Pathway As Pe ble Connector He n Control Panel.	er G003 Cont ousing To Wa	aining 12/12 Il Mounted (Hybrid Fire A Connector Hor	larm F using (003 / (iber From Mai WCH) Located	n Distribution Adjacent To The	2
	<u>с</u>	To The Fi	re Alarm Control	Panel. Coord	linate Final L	ocation With	TCNJ I	T.		
	7.	Provide 3 New Wall Final Loca	0" Deep Wall Mc Mounted Cabin Ition With Existin	ounted Cabine et. Coordinat g Field Condi	et. Terminat e Labeling Te tions And TC	e Fiber Withir erminations W NJ IT Departn	n New /ith TC nent.	Cable Connect CNJ IT Departm	or Housing Within ent. Coordinate	
	8.	Provide T Labeling T Condition	wo Post Rack. Te Ferminations Wit is And TCNJ IT De	erminate Fibe h TCNJ IT De partment.	er Within Nev partment. Co	w Cable Conno oordinate Fina	ector I al Loca	Housing Withir ation With Exis	Rack. Coordinate ting Field	4
	9.	Contracto Circuit Sh #12G In 3	or Shall Provide A all Be Provided F /4" Conduit Witl	120V Circuit rom Nearest n A 20 Amp, 1	For Integral Electrical Dis 20V Single P	Fan And Light stribution Pan Phase Circuit B	t Powe el Wit Breake	er Within 30" D h Available Spa r.	eep Cabinet. ace Utilizing 2#12,	
	10.	Provide N Managem Switch To	ew Fire Alarm N nent System Netw Fiber Network.	etwork Switc work Architec	h And Fiber F ture. Coord	Patch Cords A inate With TC	s Requ NJ IT [uired For New I Department Fo	ife Safety r Connection Of	
	11.	New Life S Connectio	Safety Managem on To Switch Anc	ent System B I Fiber Netwo	ackup Serve ork.	r Location. Co	oordin	ate With TCNJ	IT Department For	
	12.	Route Fib New Wall Coordinat	er Pathway Cont Mounted Conne te Final Location	aining 12/12 actor Housing With TCNJ IT	Hybrid Fire A ; (WCH) At Li	Alarm Fiber Fr fe Safety Man	om M lagem	ain Distribution ent System Ser	n Frame Rack To vice Location.	
l	GEN	NERAL NC	DTES							6
	1.	The Asso Equipmer Installatic	ciated Project Dr nt And Devices; (on (In Conjunctio	rawings Are E Coordinate Al n With The Pi	Diagrammation Il Details Of V roject Specifi	c And Are No Work As Requ cations).	t Inter uired T	nded To Show To Achieve A C	The Location Of All omplete Functional	
	2.	New 1-1/ And Elboy In Concea	4" Fiber Conduit ws. Flexible Not lled Locations.	t To Be Conc n Metallic Tu	ealed When bing Instead	ever Possible Of Conduit Is	With 5 Acce	Junction Boxe ptable Where	s At All Transitions Pathway Is Located	7
	3.	All Work : Having Ju	Shall Be Done In risdiction.	Accordance V	With Industr	y Constructio	n Code	es, Standards, <i>I</i>	And Other Agencies	
	4.	Conduit R Condition	outing Where Sl	nown Are Dia	grammatic.	Contractor To	Field	Verify Routing	Fiber With Existing	
	5. 6.	All Work	And Materials Sh or Shall Be Resp	all Be New U onsible To S	nless Otherv leeve Wall A	vise Noted. And Floor Per	netrati	ions Prior To I	Running Cable And	8
	7.	Contracto	or To Firestop Wa	all And Floor I	ns. Penetrations	After Runnin	g Cabl	es And Condui	t.	
	8.	A Portion Of This F Emergence	Of This Work W Project, A Protecty Cy Egress Route,	'ill Be Occurri cted Emerge , Allowing Re uired To Close	ng In The Pa ncy Egress I etreat From	th Of An Eme Route Must I The Building t An Egress Ro	ergenc Be Ma . App Dute	y Egress Route aintained Thro proval From T	. During All Phases ugh Each Affected he Department Of	9
ł	PAF	RTIAL SYN	/BOLS & ABBRI	EVIATIONS						
	Ider	ntifier	Description			Identifier	Des	cription		
	<u> </u>	`	New Fiber Pathw	/ay		A	Pho	oto Identificatio	on Tag	10
	<u> </u>	Ō	Above Or Throug	through Floc gh Section Cu	t Line		MD	F / POE	Ig	
	ــــــز آ	ACP	Down Fire Alarm Contr	ol Panel		FACP	Fire	Alarm Control	Panel	
		WCH	Wall Mounted C	onnector Hou	using	POE	Poir	nt Of Entry		
	R	SMS-S	IT Rack Life Safety Mana	gement Syste	em	MDF	Mai	n Distribution	Frame	11
	L		Server							
				PENNINGTON RD						
										12
						י ני \ ר רז		Π		
					┙┶┛╶╏╌┍┙╷ ╼╝ <mark>╴</mark> ╴╴╴		Ì	o All		
							T	The second se		13
			q							
			T				尸			
						GREEN LN				14
					CAMPUS	S KEY				
	^{title}	RIOR FI	BER ROUTING	<u> </u>				dwg. no.		$\left \right $
	CRO FIRE	MWELL ALARM	HALL & DECH	KER GARAG	GE			FA	4017	
	scale AS SHO	OWN /	drawn by cl AM S	hecked by G	date 05/03/2020		Cor	fidential and Pro	priotony / ODLP Accociate	x 2020

		Q	R	9	5	Т	
KΕ	(NOTES	(SYMBOLS	5 (1), (2), ETC.)				
KFY	NOTES 1	THRU 5 ARF R	EPEATED ON ALL INTERIOR F		DRAWINGS		
1a.	Core Dri Sealed A Sheets A	II Foundation As Per G005. C And TCNJ IT De	Wall For New Conduit Point oordinate Final Point Of Enti epartment.	Of Entry. Wall Perry Location And	enetration Sh Conduit Quar	nall Be Sleeved And ntity With FA005 - FA008	1
1b.	Location	Of Existing Er	npty Conduits. Provide New	Fiber And Inner	duct.		
1c.	Existing Termina	Spare Fiber Ca ition Points.	apacity Available At MDF. Co	ordinate With To	CNJ IT Depart	ment For Specific	
2.	Route Fi And Fibe	ber Pathway A er Labeling As	As Per G003 From Point Of E Per Specs.	ntry To Main Dis	tribution Fra	me. Provide Slack Loop	2
3.	Termina Rack. Co	ite Fiber Withi oordinate Labe	in New Cable Connector Hou ling Terminations With TCN.	using Located Wi J IT Department.	thin Existing	Main Distribution Frame	
4.	Route Fi Frame C Fire Alar	ber Pathway A able Connecto m Control Par	As Per G003 Containing 12/1 or Housing To Wall Mounted nel.	2 Hybrid Fire Ala Connector Hous	arm Fiber Fro sing (WCH) Lo	m Main Distribution ocated Adjacent To The	
5. 6.	Provide To The F Location	Wall Mounted Fire Alarm Cor	d Connector Housing (WCH) Itrol Panel. Coordinate Final Iing Fire Alarm Control Panel	As Per Detail G0 Location With T(I (FACP).	03 / 06 Locat CNJ IT.	ed As Close As Possible	3
7.	Provide New Wa Final Loo	30" Deep Wal Ill Mounted Ca cation With Ex	I Mounted Cabinet. Termina abinet. Coordinate Labeling T isting Field Conditions And T	ate Fiber Within Terminations Wi CNJ IT Departme	New Cable C th TCNJ IT De ent.	onnector Housing Within partment. Coordinate	
8.	Provide Labeling Conditic	Two Post Racl Terminations ons And TCNJ I	K. Terminate Fiber Within No With TCNJ IT Department. T Department.	ew Cable Connec Coordinate Final	ctor Housing Location Wi	Within Rack. Coordinate th Existing Field	4
9.	Contract Circuit S #12G In	tor Shall Provi hall Be Provid 3/4" Conduit	de A 120V Circuit For Integra ed From Nearest Electrical D With A 20 Amp, 120V Single	al Fan And Light I Distribution Pane Phase Circuit Br	Power Withir I With Availa eaker.	n 30" Deep Cabinet. ble Space Utilizing 2#12,	
10.	Provide Manage Switch T	New Fire Alar ment System To Fiber Netwo	m Network Switch And Fiber Network Architecture. Coor ork.	r Patch Cords As dinate With TCN	Required For IJ IT Departm	New Life Safety ent For Connection Of	
11.	New Life Connect	e Safety Mana ion To Switch	gement System Backup Serv And Fiber Network.	er Location. Coc	ordinate With	n TCNJ IT Department For	5
12.	Route Fi New Wa Coordin	ber Pathway (Ill Mounted Co ate Final Loca	Containing 12/12 Hybrid Fire onnector Housing (WCH) At I tion With TCNJ IT.	e Alarm Fiber Fro Life Safety Mana	m Main Distr gement Syste	ibution Frame Rack To em Service Location.	
GEI	NERAL N	OTES					6
1.	The Ass Equipme Installat	ociated Projec ent And Devic ion (In Conjun	ct Drawings Are Diagrammates; Coordinate All Details Of ction With The Project Speci	tic And Are Not f Work As Requi ifications).	Intended To red To Achie	Show The Location Of All ve A Complete Functional	
2.	New 1-1 And Elbe In Conce	L/4" Fiber Cor ows. Flexible ealed Location	nduit To Be Concealed Whe Non Metallic Tubing Instea s.	never Possible \ d Of Conduit Is /	With Junction Acceptable V	n Boxes At All Transitions Vhere Pathway Is Located	7
3.	All Work Having J	< Shall Be Don urisdiction.	e In Accordance With Indust	try Construction	Codes, Stand	lards, And Other Agencies	
4.	Conduit Conditic	Routing When	re Shown Are Diagrammatic	. Contractor To F	Field Verify R	outing Fiber With Existing	
5. c	All Work	And Materia	ls Shall Be New Unless Other	rwise Noted.	atrations Drie	r To Dupping Coble And	8
0.	Conduit	For All Cable	Runs Noted In Plans.	And Floor Pene			
8.	A Portio	n Of This Wor	rk Will Be Occurring In The P	Path Of An Emer	gency Egress	Route. During All Phases	
	Emerger Commu	ncy Egress Rc nity Affairs Is I	oute, Allowing Retreat From Required To Close Or Re-dire	n The Building. ect An Egress Rou	Approval F ute.	rom The Department Of	9
PAI	RTIAL SY	MBOLS & AE	BREVIATIONS	l			
<u>Ide</u>	ntifier	Description		Identifier	Description		
<u> </u>	{	New Fiber Pa	athway		Photo Ident	ification Tag	10
	- O	Above Or Th	e Up Through Floor rough Section Cut Line			Existing	110
—	- Э	Conduit Pipe Down	e Drop / Offset	FACP	Fire Alarm (Control Panel	
Ē	ACP	Fire Alarm Co	ontrol Panel	POE	Point Of Ent	rv	
L' F	RACK	IT Rack		MDE	Main Distrik	nution Frame	
[SMS-S	Life Safety N Server	lanagement System				11
							12
					<u>I</u>		
					A ST A	1	
					it is the second		13
							10
		h			f		1 /
			CAMP				4
itle					dwg. no.		
NTE CRO FIRE	RIOR F MWELI ALARN	IBER ROUT L HALL & D 4	ING ECKER GARAGE			FA017	
cale AS SH(OWN	drawn by AM	checked by date SG 05/03/202	0	Confidential	and Proprietary / ODLR Associate	\$ 2020



project
TCNJ - CAMPUS FIRE ALARM PROJECT
PART A - CABLE INFRASTRUCTURE UPGRADE
2000 PENNINGTON ROAD,
EWING NU 08618



Last Saved: N:\47\472\47211 - TCNJ Campus Fire Alarm\010 Cable Infrastructure Upgrade\47211 - 11 - FA018.dwg, 10/3/19 at 2:28 PM By SGOWERS - Last Printed: 5/4/20 at 5:21 PM By Gowers, Scot

0

			Q		F	{		S		Т	
	KEY	NOTES	(SYMBC)LS (1),(2) , ETC.)						
	KEYI 1a.	NOTES 1 ⁻ Core Dri Sealed A	THRU 5 ARE Il Foundatio Is Per G005	E REPEATED on Wall For . Coordinat	O ON ALL I New Con te Final Pc	INTERIOR FI Iduit Point C Dint Of Entry	BER ROUTING of Entry. Wall P Location And	DRAW Penetra Condu	'INGS ation Shall Be S uit Quantity Wi	ileeved And th FA005 - FA008	1
	1b.	Location	Of Existing	Empty Cor	nduits. Pro	ovide New F	iber And Inner	rduct.			
	1c.	Existing :	Spare Fiber	Capacity A	vailable A	At MDF. Coo	rdinate With T	CNJ IT	Department F	or Specific	
	2.	Route Fi And Fibe	ber Pathwa er Labeling /	y As Per G(As Per Spec	003 From cs.	Point Of Ent	try To Main Dis	stribut	ion Frame. Pro	vide Slack Loop	2
	3.	Termina Rack. Co	te Fiber Wi ordinate La	thin New C beling Terr	able Conr ninations	nector Hous With TCNJ I	ing Located W T Department	ithin E	xisting Main Di	stribution Frame	
	4.	Route Fi Frame C Fire Alar	ber Pathwa able Conne m Control F	y As Per G(ctor Housir Panel.	003 Conta ng To Wal	iining 12/12 I Mounted (Hybrid Fire Ala Connector Hou	arm Fi Ising (\	ber From Main NCH) Located /	Distribution Adjacent To The	
	5.	New Wa The Fire	ll Mounted Alarm Cont	Connector trol Panel.	[.] Housing Coordinat	(WCH) As Pe te Final Loca	er Detail G003 tion With TCN	/ 06 L IJ IT.	ocated As Close	e As Possible To	3
	6.	Core Dri Frame (N All Floor	ll All Floor MDF) On Fir Penetratio	Penetration rst Floor. Ro ns To Be La	ns To Rou oute Fron abeled Pei	ute Fiber Fro n MDF To W r Spec And E	om Point Of El all Mounted C Details On Shee	ntry Ir Connec et G00	n Basement To ctor Housing (V 5.	Main Distribution VCH) In Basement.	
	7. 8.	Route Fi Provide Labeling	ber Pathwa Two Post Terminati	y Above Dr Rack. Ter ons With	rop Ceiling minate Fi TCNJ IT	g Where Pos iber Within Departmen	ssible. Cable Connec t. Coordinat	ctor H te Fina	ousing Within al Location W	Rack. Coordinate /ith Existing Field	4
		Conditio			inent.						
	GEN	NERAL N	OTES								5
	1.	The Asso Equipme Installati	ociated Pro ent And Dev on (In Coni	ject Drawir vices; Coor unction Wi	ngs Are D dinate All th The Pro	iagrammatio Details Of V oject Specifi	c And Are Not Work As Requi cations).	Inten ired To	ded To Show T o Achieve A Co	he Location Of All mplete Functional	
	2.	New 1-1 And Elbo In Conce	./4" Fiber C ows. Flexib aled Locati	Conduit To ble Non Me ons.	Be Conce etallic Tub	ealed When bing Instead	ever Possible Of Conduit Is	With J Accep	lunction Boxes table Where P	At All Transitions athway Is Located	6
	3.	All Work Having J	Shall Be Deurisdiction.	one In Acco	ordance V	Vith Industry	y Construction	Code	s, Standards, A	nd Other Agencies	
	4.	Conduit Conditio	Routing Wl	here Showr	n Are Diag	grammatic. (Contractor To	Field \	/erify Routing I	Fiber With Existing	
	5.	All Work	And Mate	rials Shall B	e New Ur	nless Otherw	vise Noted.				7
	6.	Contract	or Shall Be	e Responsil	ble To Sle	eeve Wall A	And Floor Pen	etratio	ons Prior To R	unning Cable And	
	7.	Contract	or To Firest	top Wall Ar	nd Floor P	enetrations	After Running	g Cable	s And Conduit.		
	8.	A Portio Of This Emerger Commu	n Of This W Project, A ncy Egress nity Affairs	/ork Will Be Protected Route, Alle Is Required	e Occurrir Emerger owing Re I To Close	ng In The Pa ncy Egress I treat From Or Re-direc	th Of An Emer Route Must B The Building. t An Egress Ro	rgency Be Mai App oute.	Egress Route. Intained Throu roval From Th	During All Phases Igh Each Affected Ie Department Of	8
	PAF	RTIAL SY	MBOLS & J	ABBREVIA	TIONS						
	Ider	ntifier	Descriptio	<u>in</u>			Identifier	Desc	cription		9
			New Fiber	Pathway			FACP	Fire	Alarm Control	Panel	
	,	Ō	Conduit Pi Above Or	pe Up Thro Through Se	ough Floor ection Cut	r : Line	POE	Poin	t Of Entry		
	<u>ـــــ</u>	Ð	Conduit Pi Down	pe Drop / (Offset		MDF	Mair	n Distribution F	rame	
	F	ACP	Fire Alarm	Control Pa	nel						10
		WCH	Wall Mou	nted Conne	ector Hou	sing					
	ſ	A	Photo Ider	ntification 7	Гад						
		•	Connect T	o Existing							
			MDF / POI	Ξ							11
	PENNINGTON RD								12		
					¥ L				TAN I		
									S for L		13
						CAMPUS	GREEN LN				14
┨	title INTE					TED			dwg. no.	010	
			LL & ELY drawn by AM	checke		date 05/03/2020			FА	V018	
1	2.10	1			I	, , 2020		Conf	idential and Prop	rietary / ©DLB Associate	s 2019

		Q		R		S	Т	Γ
KEY	NOTES	(SYMBC	DLS (1), (2), ETC.)					┢
KFYI	NOTES 1	THRU 5 ARI	F REPEATED ON ALL	INTERIOR FI	BER ROUTING	DRAWING	S	1
1a.	Core Dri	ill Foundatio	on Wall For New Co	onduit Point C	of Entry. Wall	Penetratio	n Shall Be Sleeved And	1
	Sealed A Sheets A	As Per G005 And TCNJ IT	. Coordinate Final F Department.	Point Of Entry	/ Location And	l Conduit Q	uantity With FA005 - FA008	
1b.	Locatior	n Of Existing	Empty Conduits. P	rovide New F	iber And Inne	rduct.		
1c.	Existing Termina	Spare Fiber ation Points	Capacity Available	At MDF. Coo	ordinate With	TCNJ IT Dep	partment For Specific	
2.	Route Fi	iber Pathwa er Labeling	ly As Per G003 Fron As Per Specs	n Point Of En	try To Main Di	istribution	Frame. Provide Slack Loop	2
3.	Termina	ate Fiber Wi	thin New Cable Cor	nnector Hous	ing Located W	/ithin Existi	ing Main Distribution Frame	
Л	Rack. Co	oordinate La	beling Termination	is With TCNJ	IT Departmen	t. Iarm Eibor I	From Main Distribution	
4.	Frame C Fire Alar	Cable Conne rm Control F	ctor Housing To Wa Panel.	all Mounted (Connector Ho	using (WCH	I) Located Adjacent To The	
5.	New Wa	all Mounted	Connector Housing	g (WCH) As P	er Detail G003	8 / 06 Locat	ed As Close As Possible To	3
6.	Core Dr	ill All Floor	Penetrations To Ro	oute Fiber Fr	om Point Of E	Entry In Bas	sement To Main Distribution	
	Frame (I All Floor	MDF) On Fii r Penetratio	rst Floor. Route Fro ns To Be Labeled P	om MDF To W er Spec And I	/all Mounted Details On She	Connector et G005.	Housing (WCH) In Basement.	
7.	Route Fi	iber Pathwa	y Above Drop Ceili	ng Where Po	ssible.			
8.	Provide Labeling	Two Post g Terminati	Rack. Terminate ons With TCNJ IT	Fiber Within Departmer	Cable Conne nt. Coordina	ctor Housi te Final L	ing Within Rack. Coordinate ocation With Existing Field	4
	Conditio	ons And TCN	IJ IT Department.					
		0750						
GER		IUTES						
1.	The Ass Equipme	ociated Pro ent And Dev	ject Drawings Are vices; Coordinate A	Diagrammati II Details Of	c And Are Not Work As Requ	t Intended iired To Ac	To Show The Location Of All hieve A Complete Functional	
	Installat	ion (In Conj	unction With The P	Project Specif	ications).			
2.	New 1-1 And Elb	1/4" Fiber (ows. Flexil	Conduit To Be Con ole Non Metallic Tu	cealed When ubing Instead	ever Possible Of Conduit Is	With Junc Acceptabl	tion Boxes At All Transitions le Where Pathway Is Located	
	In Conce	ealed Locati	ons.	0			,	6
3.	All Worl Having I	k Shall Be D	one In Accordance	With Industr	y Constructior	n Codes, Sta	andards, And Other Agencies	
4.	Conduit	Routing W	here Shown Are Dia	agrammatic.	Contractor To	Field Verif	v Routing Fiber With Existing	
	Conditio	ons.		0			,	
5.	All Worl	k And Mate	rials Shall Be New U	Jnless Otherv	vise Noted.			7
6.	Contrac Conduit	tor Shall Be For All Cab	e Responsible To S le Runs Noted In Pl	Sleeve Wall / ans.	And Floor Per	netrations	Prior To Running Cable And	
7.	Contrac	tor To Fires	top Wall And Floor	Penetrations	After Running	g Cables An	nd Conduit.	
8.	A Portio	on Of This W	/ork Will Be Occurr	ing In The Pa	th Of An Eme	rgency Egr	ess Route. During All Phases	
0.	Of This	Project, A	Protected Emerge	ency Egress	Route Must I	Be Maintai	ined Through Each Affected	8
	Commu	nity Affairs	Is Required To Clos	e Or Re-direc	t An Egress Ro	oute.	a From the Department Of	
PAF	RTIAL SY	MBOLS &	ABBREVIATIONS					1
Ider	ntifier	Descriptio	on		Identifier	Descript	ion	9
<u> </u>		New Fiber	Pathway		FACP	Fire Alar	m Control Panel	
	ō	Conduit P Above Or	ipe Up Through Flo Through Section Ci	or It Line	POE	Point Of	Entry	
<u>ـــــ</u>	Ð	Conduit P	ipe Drop / Offset		MDF	Main Dis	tribution Frame	
-		Down						10
<u>ا</u>	ACP WCH	Fire Alarm Wall Mou	i Control Panel nted Connector Ho	using				
R	ACK	IT Rack						
(A	Photo Ide	ntification Tag					
	ð	Connect T	o Existing					
		MDF / PO	E					
			PENNINGTON RD					1
				┶┷┷╼┓ ═╼╼╶╎┤╴┷╼┨				
			53					12
			FT FT					
				ПЛ			αM	
						A F		13
					No.			
			,			II III		
			T			17 -		
					\)∥[GREEN LN			14
				CAMPU	S KEY			
itle						dwg.	no.	┨──
INTE DECI	RIOR F KER HA	IBER ROU	JTING -ALLEN-BREWS	STER			E1010	
	ALARN	A drawn hy	checked by	date			LHNTQ	
AS SHO	OWN	AM	SG	05/03/2020		Confident	tial and Proprietary / @DLB Associate	-s 2010



	0	R		S	Т	
KEY NOTES	(SYMBOLS (1),②, ETC.)		5		┢
KEYNOTES 1 1a. Core Dr Sealed Sheets	THRU 5 ARE REPE ill Foundation Wa As Per G005. Coor And TCNJ IT Depa	EATED ON ALL INTERIOR F Il For New Conduit Point dinate Final Point Of Entr rtment.	FIBER ROUTING Of Entry. Wall I ry Location And	DRAWINGS Penetration Sł Conduit Quai	nall Be Sleeved And ntity With FA005 - FA008	1
1b. Location	n Of Existing Empt	y Conduits. Provide New	Fiber And Inne	rduct.		
Termina	ation Points.	or COO2 From Doint Of F		ichibution Fro	ment For Specific	
And Fib	er Labeling As Per	Specs.		/ithin Existing	Main Distribution Frame	
Rack. Co	oordinate Labeling	g Terminations With TCN	I IT Department	t. Iarm Eiber Fro		
Frame (Fire Ala	Cable Connector F rm Control Panel.	lousing To Wall Mounted	Connector Hou	using (WCH) Lo	ocated Adjacent To The	
5. New Wa The Fire	all Mounted Conn e Alarm Control Pa	ector Housing (WCH) As I anel. Coordinate Final Loc	Per Detail G003 ation With TCN	9 / 06 Located IJ IT.	As Close As Possible To	3
6. Core Dr Frame (ill All Floor Penet MDF) On First Flo r Penetrations To	rations To Route Fiber F or. Route From MDF To N Be Labeled Per Spec And	rom Point Of E Wall Mounted (Details On She	Entry In Basen Connector Hol	nent To Main Distribution using (WCH) In Basement.	
7. Route F	iber Pathway Abo	ve Drop Ceiling Where Po	ossible.			
8. Provide Labeling Conditio	Two Post Rack. g Terminations Nons And TCNJ IT D	Terminate Fiber Within Vith TCNJ IT Departme epartment.	n Cable Conne nt. Coordina	ctor Housing te Final Loca	Within Rack. Coordinate ation With Existing Field	4
GENERAL N	IOTES					5
1. The Ass Equipm	ociated Project D ent And Devices;	rawings Are Diagrammat Coordinate All Details Of	tic And Are Not Work As Requ	t Intended To lired To Achie	Show The Location Of All ve A Complete Functional	
2. New 1-	1/4" Fiber Condu	it To Be Concealed Whe	never Possible	With Junction	n Boxes At All Transitions	
And Elb In Conc	ows. Flexible No ealed Locations.	on Metallic Tubing Instea	d Of Conduit Is	Acceptable V	Vhere Pathway Is Located	6
. All Wor Having	k Shall Be Done Ir Iurisdiction.	Accordance With Indust	ry Constructior	n Codes, Stanc	lards, And Other Agencies	
. Conduit	Routing Where S	hown Are Diagrammatic	. Contractor To	Field Verify R	outing Fiber With Existing	
5. All Wor	k And Materials S	hall Be New Unless Other	wise Noted.			7
. Contrac Conduit	tor Shall Be Resp For All Cable Bur	oonsible To Sleeve Wall	And Floor Per	netrations Prio	or To Running Cable And	
7. Contrac	tor To Firestop W	all And Floor Penetration	s After Running	g Cables And C	Conduit.	
8. A Portio Of This Emerge Commu	on Of This Work V Project, A Prote ncy Egress Route nity Affairs Is Req	Vill Be Occurring In The P ected Emergency Egress e, Allowing Retreat From uired To Close Or Re-dire	eath Of An Eme Route Must E n The Building. ect An Egress Ro	rgency Egress Be Maintained . Approval F pute.	Route. During All Phases d Through Each Affected rom The Department Of	8
PARTIAL SY	MBOLS & ABBR	EVIATIONS				
Identifier	Description		Identifier	Description		9
}	New Fiber Path	way S Through Eloor	FACP	Fire Alarm (Control Panel	
o	Above Or Throu Conduit Pipe Dr	op / Offset	POE	Point Of Ent	ry Nution Frame	
EACE	Down	rol Danol				 1C
WCH	Wall Mounted (Connector Housing				
	IT Rack Photo Identifica	tion Tag				
	Connect To Exis	ting				
	MDF / POE					11
		PENNINGTON RD			~	12
						13
		CAMPI	GREEN LN			14
^{tle} NTERIOR F DECKER HA	IBER ROUTIN	G EN-BREWSTER		dwg. no.	FA018	
cale AS SHOWN	drawn by AM	checked by date 5G 05/03/202	0			

project
TCNJ - CAMPUS FIRE ALARM PROJECT
PART A - CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
FW/ING NI 08618



Last Saved: N:\47\472\47211 - TCNJ Campus Fire Alarm\010 Cable Infrastructure Upgrade\47211 - 11 - FA019.dwg, 10/3/19 at 2:28 PM By SGOWERS - Last Printed: 5/4/20 at 5:21 PM By Gowers, Scot

ΛΛ	
1\71	

0

PHOTO B - FIRE ALARM CONTROL PANEL Honeywell XLS1000 Addressable Fire Alarm Control Panel And Booster Panel With Exposed Conduit Located Within Lower Level Electrical

Ρ			Q	R			
	KEY NOTES (SYMBOLS 1), 2, ETC.)						
	KEYI	NOTES 1 T	HRU 5 ARE REPE	ATED ON ALL INTERIOR FIB	ER ROUTING		

		Q		R		S	Т	
KEY	(NOTES	(SYMBOLS	(1), (2), ETC.)			1	
KEY	NOTES 1	THRU 5 ARE R	EPEATED ON AL	L INTERIOR F	BER ROUTIN	G DRAWINGS		
1a.	Core Dr Sealed A Sheets A	ill Foundation As Per G005. Co And TCNJ IT De	Wall For New C oordinate Final partment.	onduit Point Point Of Entr	Of Entry. Wall ry Location An	Penetration Sl d Conduit Qua	hall Be Sleeved And ntity With FA005 - FA008	
1b.	Location	n Of Existing Er	npty Conduits.	Provide New	Fiber And Inn	erduct.		
1c.	Existing Termina	Spare Fiber Ca ation Points.	apacity Available	e At MDF. Co	ordinate With	TCNJ IT Depar	tment For Specific	
2.	Route F And Fib	iber Pathway A er Labeling As	As Per G003 Fro Per Specs.	m Point Of Ei	ntry To Main [Distribution Fra	me. Provide Slack Loop	2
3.	Termina Rack. Co	ate Fiber Withi oordinate Labe	n New Cable Co ling Terminatio	onnector Hou ns With TCN	ising Located \ I IT Departmer	Nithin Existing nt.	Main Distribution Frame	
4.	Route F Frame C Fire Alai	iber Pathway A Cable Connecto rm Control Par	As Per G003 Cor or Housing To W nel.	ntaining 12/1 /all Mounted	2 Hybrid Fire A Connector Ho	Alarm Fiber Fro Dusing (WCH) L	om Main Distribution ocated Adjacent To The	
5.	New Wa The Fire	all Mounted Co Alarm Contro	onnector Housir I Panel. Coordir	ng (WCH) As I nate Final Loc	Per Detail G00 cation With TC	3 / 06 Located NJ IT.	As Close As Possible To	3
6.	Core Dr Frame (Floor. A	ill All Floor Per MDF) On Thir Il Floor Penetra	netrations To Ro d Floor. Route ations To Be Lal	oute Fiber Fro From MDF ⁻ peled Per Spe	om Point Of Er To Wall Mour ec And Details	ntry On Lower I Ited Connector On Sheet G005	Level To Main Distribution r Housing (WCH) On First 5.	
7. 8	Mount V	WCH In Nearby	Accessible Loc	ation. Coord	inate With TCI	NJ IT Departme	nt.	
9.	Route F	iber Pathway A	Above Drop Ceil	ing Where Po	ossible.			4
10.	Provide Coordin Field Co	Two Post Ra ate Labeling T nditions And T	ck. Terminate Terminations W TCNJ IT Departm	Fiber Withi ith TCNJ IT I nent.	n New Cable Department.	Connector Ho Coordinate Fir	ousing Within New Rack. Nal Location With Existing	
GEI		IOTES						- 5
1.	The Ass	ociated Projec	t Drawings Are	Diagrammat	tic And Are No	ot Intended To	Show The Location Of All	
2	Equipme Installat	ent And Device ion (In Conjun	es; Coordinate ction With The oduit To Be Cor	All Details Of Project Speci	^E Work As Req fications).	uired To Achie	ve A Complete Functional	
2.	And Elb	ows. Flexible ealed Location	Non Metallic T s.	ubing Instea	d Of Conduit	ls Acceptable V	Where Pathway Is Located	6
3.	All Wor Having J	k Shall Be Don lurisdiction.	e In Accordance	e With Indust	ry Constructio	on Codes, Stand	lards, And Other Agencies	
4.	Conditio	ons.	e snown are d	lagrammatic	. Contractor 10	o Field Verliy R	outing Fiber with Existing	7
5.	All Wor	k And Material	s Shall Be New	Unless Other	wise Noted.			
6.	Contrac Conduit	tor Shall Be R For All Cable F	Responsible To Runs Noted In P	Sleeve Wall lans.	And Floor Pe	enetrations Prio	or To Running Cable And	
7.	Contrac	tor To Firestop	Wall And Floo	r Penetration	is After Runnir	ng Cables And (Conduit.	
8.	A Portic Of This Emerge Commu	on Of This Wor Project, A Pr ncy Egress Ro nity Affairs Is F	k Will Be Occur otected Emerg ute, Allowing Required To Clo	ring In The P ency Egress Retreat From se Or Re-dire	rath Of An Em Route Must In The Building Fect An Egress R	ergency Egress Be Maintaine g. Approval F Coute.	Route. During All Phases d Through Each Affected from The Department Of	8
ΡΔΓ	RTIAL SY	MBOLS & AB	BREVIATIONS					{
Ider	ntifier	Description			Identifier	Description	1	9
	{	New Fiber Pa	athway		FACP	Fire Alarm (- Control Panel	
	ю	Conduit Pipe Above Or Th	Up Through Florrough Section C	oor Cut Line	POE	Point Of En	try	
	Ð	Conduit Pipe Down	Drop / Offset		MDF	Main Distri	oution Frame	
F	ACP	Fire Alarm Co	ontrol Panel					10
	WCH	Wall Mounte	ed Connector He	ousing				
	A	Photo Identif	fication Tag					
	•	Connect To E	Existing					
		MDF / POE						
			PENNINGTON RD					12
								13
		5		۲ ۲				
				CAMP	GREEN LN			¹⁴
title			ING			dwg. no.		$\left \right $
EDU FIRE	CATIO	N BUILDING	6, GARAGE &	& EICKHOF	F HALL		FA019	
scale AS SH(OWN	drawn by AM	checked by SG	date 05/03/202	0	Confidential	and Proprietary / ©DLB Associate	es 2019

ADES	INTERIOR EDUCATIO FIRE ALAR	FIBER ROUT N BUILDING M	ING 6, garage 8	& EICKHOFF HALL
	scale	drawn by	checked by	date
	AS SHOWN	AM	SG	05/03/2020

TCNJ - CAMPUS FIRE ALARM PROJECT PART A - CABLE INFRASTRUCTURE UPGRA 2000 PENNINGTON ROAD,

Last Saved: N:\47\472\47211 - TCNJ Campus Fire Alarm\010 Cable Infrastructure Upgrade\47211 - 11 - FA020.dwg, 5/1/20 at 2:27 PM By MHABIB - Last Printed: 5/4/20 at 5:21 PM By Gowers, Scot

Μ	N	0	Р		Q (SYMBOLS (1	R		S	Т	-
				KEYNOTES 1 1a. Core Dr Sealed A Sheets A 1b. Location	THRU 5 ARE REPE ill Foundation Wa As Per G005. Coor And TCNJ IT Depar	ATED ON ALL INTERIO Il For New Conduit Po dinate Final Point Of E tment. v Conduits. Provide No	R FIBER ROUTING Int Of Entry. Wall I Intry Location And	DRAWINGS Penetration Sh Conduit Quar	all Be Sleeved And htity With FA005 - FA008	1
				 Eccation 1c. Existing Termina Route F And Fib Termina Frame F 	Spare Fiber Capac ation Points. Tiber Pathway As P Per Labeling As Per ate Fiber Within N Rack. Coordinate L	er G003 From Point O Specs. ew Cabinet Connector abeling Terminations	Coordinate With T f Entry To Main Di ^r Housing Located With TCNJ IT Depa	CNJ IT Depart stribution Fran Within Existin rtment.	ment For Specific me. Provide Slack Loop g Main Distribution	2
				 Route F Frame (Fire Ala New Wa The Fire Core Dr Frame 	Tiber Pathway As P Cabinet Connector rm Control Panel. all Mounted Conne e Alarm Control Pa rill All Floor Penet (MDE) On First Fl	er G003 Containing 12 Housing To Wall Mou ector Housing (WCH) / nel. Coordinate Final rations To Route Fibe por Boute From MD	2/12 Hybrid Fire Al Inted Connector H As Per Detail G003 Location With TCN r From Point Of E F To Wall Mount	arm Fiber Fro ousing (WCH) / 06 Located J IT. ntry In Basem	m Main Distribution Located Adjacent To The As Close As Possible To nent To Main Distribution Housing (WCH) On First	3
				Floor. A 7. New Lo 8. Provide Coordin Field Co 9. Provide	Ill Floor Penetratio cation For Fire Ala Two Post Rack. T nate Labeling Term onditions And TCN.	ns To Be Labeled Per s rm Control Panel. erminate Fiber Within inations With TCNJ IT I IT Department. etwork Switch And Fil	New Cable Conne Department. Coc	ector Housing rdinate Final I	Within New Rack. Location With Existing	4
				Manage Switch 10. New Lif Connec GENERAL N	ement System Net To Fiber Network. e Safety Managen tion To Switch And NOTES	work Architecture. Co nent System Server Lo d Fiber Network.	cation Coordinate	With TCNJ IT	ent For Connection Of Department For	5
				1. The Ass Equipm Installat	sociated Project D ent And Devices; tion (In Conjunctio	rawings Are Diagramr Coordinate All Details n With The Project Sp t To Be Concealed W	natic And Are Not Of Work As Requ ecifications).	Intended To ired To Achiev With Junction	Show The Location Of All ve A Complete Functional	-
				And Elb In Conc 3. All Wor Having	oows. Flexible No ealed Locations. k Shall Be Done In Jurisdiction.	n Metallic Tubing Inst Accordance With Ind	ead Of Conduit Is	Acceptable W	/here Pathway Is Located ards, And Other Agencies	6
				 Conduit Condition All Wor Contract Conduit 	t Routing Where S ons. k And Materials Sh ctor Shall Be Resp t For All Cable Run	hown Are Diagramma nall Be New Unless Ot oonsible To Sleeve W s Noted In Plans.	tic. Contractor To herwise Noted. all And Floor Per	Field Verify Ro	outing Fiber With Existing or To Running Cable And	7
				 Contrac A Portio Of This Emerge Commut 	ctor To Firestop W on Of This Work W Project, A Prote ncy Egress Route Inity Affairs Is Req	all And Floor Penetrat /ill Be Occurring In Th cted Emergency Egre , Allowing Retreat Fr uired To Close Or Re-c	ions After Running e Path Of An Eme ess Route Must E rom The Building. lirect An Egress Ro	g Cables And C rgency Egress Be Maintained Approval Fi oute.	onduit. Route. During All Phases I Through Each Affected rom The Department Of	8
				PARTIAL SY	MBOLS & ABBR <u>Description</u> New Fiber Pathw Conduit Pipe Up Above Or Throu	EVIATIONS vay Through Floor gh Section Cut Line	<mark>Identifier</mark> FACP POE	Description Fire Alarm C Point Of Ent	control Panel ry	9
E ALARM CONTROL	PANEL			FACP WCH RACK LSMS-S	Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Life Safety Mana	op / Offset ol Panel onnector Housing gement System	MDF	Main Distrib	oution Frame	10
nel With Exposed Co evel Electrical Room	onduit Located Within				Server Photo Identifica Connect To Exist MDF / POE	tion Tag :ing				11
						PENNINGTON RD			1	12
										13
- BASEMENT CEILING Be Run Along Basem	<u>G</u> lent Open Ceiling.				ليا ت	<u>CA</u>	GREEN LN			14
	^{project} TCNJ - CAMPU PART A - CABL 2000 PENNING EWING NJ, 080	IS FIRE ALARM PROJEC E INFRASTRUCTURE U GTON ROAD, 618	CT PGRADES	title INTERIOR F FORCINA H FIRE ALARN scale	IBER ROUTING ALL & GREEN	G HALL	2020	dwg. no.	FA020	$\left \right $
	I			אייע פרי אווא איי		05/03/2	-020	Confidential a	and Proprietary / ©DLB Associat	tes 2020

Last Saved: N:\47\472\47211 - TCNJ Campus Fire Alarm\010 Cable Infrastructure Upgrade\47211 - 11 - FA021.dwg, 10/3/19 at 2:31 PM By SGOWERS - Last Printed: 5/4/20 at 5:21 PM By Gowers, Scot

M	N	0	P		0	R		S	-	г	
				KEYNOTES 1 1a. Core Dri Sealed A Sheets A	(SYMBOLS (1) THRU 5 ARE REPE Il Foundation Wa as Per G005. Coor and TCNJ IT Depar), ②, ETC.) ATED ON ALL INTERIOR Il For New Conduit Poin dinate Final Point Of En rtment.	R FIBER ROUTING nt Of Entry. Wall ntry Location And	DRAWINGS Penetration Sha d Conduit Quant	ll Be Sleeved ity With FA00	And 05 - FA008	1
				 1b. Location 1c. Existing Termina 2. Route Fi And Fibe 3. Termina Frame R 4. Route Fi Frame C Fire Alar 5. New Wa The Fire 6. Provide 	Of Existing Empt Spare Fiber Capac tion Points. ber Pathway As Per tabeling As Per te Fiber Within N ack. Coordinate L ber Pathway As P abinet Connector m Control Panel. Il Mounted Conn Alarm Control Pa	ev Conduits. Provide New city Available At MDF. C Per G003 From Point Of Specs. New Cabinet Connector abeling Terminations W Per G003 Containing 12/ Housing To Wall Moun ector Housing (WCH) As anel. Coordinate Final Lo Terminate Fiber Wit	w Fiber And Inne Coordinate With Entry To Main D Housing Located Vith TCNJ IT Dep /12 Hybrid Fire A nted Connector H s Per Detail G00 ocation With TCI	 Prduct. TCNJ IT Department I Within Existing artment. I arm Fiber Fromertionsing (WCH) L J 06 Located A I IT. Connector Hou 	nent For Spec ne. Provide Sla Main Distribu n Main Distribu ocated Adjac s Close As Pos using Within	cific ack Loop ution ent To The ssible To New Rack.	2
EXISTING FIRE ALARM PANEL Alarm Control Panel Location				GENERAL N 1. The Asso	otiated Project D	rawings Are Diagramm	Department.	ot Intended To S	how The Loca	ation Of All	4
				Equipme Installati 2. New 1-1 And Elbe In Conce 3. All Work Having J 4. Conduit Condition 5. All Work	ent And Devices; ion (In Conjunctio ./4" Fiber Condui ows. Flexible No ealed Locations. C Shall Be Done In urisdiction. Routing Where S ons. C And Materials Si	Coordinate All Details (on With The Project Spe it To Be Concealed Wh on Metallic Tubing Inste Accordance With Indu hown Are Diagrammati	Of Work As Requescifications). Thenever Possible and Of Conduit I stry Construction ic. Contractor To erwise Noted.	uired To Achieve With Junction s Acceptable Wh n Codes, Standa S Field Verify Rou	e A Complete Boxes At All here Pathway rds, And Othe uting Fiber W	Functional Transitions Is Located er Agencies Yith Existing	5
D B - BASEMENT CEILING In Basement Room 108 And 110				 Contract Conduit 7. Contract 8. A Portio Of This Emerger Commun 	For All Cable Run for To Firestop W n Of This Work V Project, A Prote ncy Egress Route nity Affairs Is Req	all And Floor Penetratic Vill Be Occurring In The ected Emergency Egres e, Allowing Retreat Fro uired To Close Or Re-din	ons After Runnin Path Of An Eme ss Route Must om The Building rect An Egress R	g Cables And Co ergency Egress R Be Maintained g. Approval Frc oute.	nduit. Route. During Through Eac om The Depa	g All Phases ch Affected artment Of	7
				PARTIAL SY	MBOLS & ABBR	EVIATIONS way Through Floor gh Section Cut Line op / Offset rol Panel Connector Housing tion Tag ting	IdentifierFACPPOEMDF	Description Fire Alarm Co Point Of Entry Main Distribu	ontrol Panel y ation Frame		8 9 10
EXISTING FIRE ALARM PANEL Alarm Control Panel Location											11
						PENNINGTON RD			Λ		12
											13
sting POE In Basement						CAM	GREEN LN				14
	^{project} TCNJ - CAMPUS FIR PART A - CABLE INF 2000 PENNINGTON EWING NJ, 08618	E ALARM PROJECT RASTRUCTURE UPGI ROAD,	RADES	title INTERIOR F HAUSDOER FIRE ALARN scale AS SHOWN	IBER ROUTIN FFER HALL & 1 drawn by AM	G KENDALL HALL checked by date GG 05/03/20	020	dwg. no.	FA02	21	
								Confidential ar	nd Proprietary /	©DLB Associates	2019

				CAMPUS KEY
ROJECT RE UPGRADES	title INTERIOR F HAUSDOEF FIRE ALARN	FIBER ROUTII RFFER HALL & A	NG & KENDALL H	IALL
	scale AS SHOWN	drawn by AM	checked by SG	date 05/03/2020

Last Saved: N:\47\472\47211 - TCNJ Campus Fire Alarm\010 Cable Infrastructure Upgrade\47211 - 11 - FA022.dwg, 10/3/19 at 2:31 PM By SGOWERS - Last Printed: 5/4/20 at 5:21 PM By Gowers, Scot

0

Ρ

Fire Alarm Control Panel And Booster Panel With Exposed Conduit Located Within Lower Level Electrical Room

PHOTO B - POINT OF ENTRY Existing Point Of Entry Located Within Telecom Room 013

PHOTO D - CEILING CONDITION Drop Ceiling Located Throughout The Office Area And Corridor

Location Of Existing Point Of Entry For Maintenance Building Pull Box Mounted On Building Exterior With Empty Conduit.

project TCNJ - CAMPUS FIRE ALARM PROJECT PART A - CABLE INFRASTRUCTURE UPGRADES 2000 PENNINGTON ROAD, EWING NJ, 08618

		0		D		<u>c</u>				1
KEY			(1).(2). ETC	<u>к</u>)		5		I		
KEVI							INGS			
1a.	Core Dri Sealed A Sheets A	ill Foundation \ As Per G005. Co And TCNJ IT De	Wall For New (pordinate Final partment.	Conduit Point (Point Of Entr	Df Entry. Wall P y Location And	Penetra Condui	tion Shall I it Quantity	Be Sleeved With FA00	And 5 - FA008	1
1b.	Locatior	n Of Existing En	npty Conduits.	Provide New	Fiber And Inner	rduct.				
1c.	Existing Termina	Spare Fiber Ca ation Points.	pacity Availab	le At MDF. Coo	ordinate With T	TCNJ IT I	Departme	nt For Speci	fic	
2.	Route Fi And Fib	iber Pathway A er Labeling As I	as Per G003 Fro Per Specs.	om Point Of En	itry To Main Dis	stributi	on Frame.	Provide Sla	ck Loop	2
3.	Termina Frame R	ate Fiber Within ack. Coordinat	n New Cabinet te Labeling Ter	Connector Hominations Wit	ousing Located h TCNJ IT Depa	Within artment	Existing M	ain Distribu	ition	
4.	Route Fi Frame C Fire Alar	iber Pathway A Cabinet Connec rm Control Pan	as Per G003 Co ctor Housing To el.	ntaining 12/12 Wall Mounte	2 Hybrid Fire Al d Connector He	larm Fib lousing (oer From M (WCH) Loc	lain Distribu ated Adjace	ution ent To The	
5.	New Wa The Fire	all Mounted Co Alarm Control	onnector Housi I Panel. Coordi	ng (WCH) As P nate Final Loca	Per Detail G003 ation With TCN	5 / 06 Lo IJ IT.	ocated As C	Close As Pos	sible To	3
6.	Provide Coordin Field Co	Two Post Rad ate Labeling T nditions And T	ck. Terminate erminations V CNJ IT Departr	e Fiber Within Vith TCNJ IT D nent.	n New Cable (Department. C	Connec Coordina	tor Housii ate Final L	ng Within I ocation Wi	New Rack. th Existing	
7.	Pull Box Power H Existing	Located on ex louse. Empty (Pathway Into T	terior of maint Conduit Shall B The Office Spac	enance buildii e Traced, Real ce And Route A	ng with existing med And Clean Above The Ceili	g under ned. Ro ing To T	ground en ute From ⁻ The MDF.	npty condui The Pullbox	t from Utilizing	
8.	Provide New Wa Final Loo	12" Deep Wall all Mounted Ca cation With Exi	l Mounted Cab abinet. Coordi isting Field Cor	vinet. Termina nate Labeling nditions And To	ite Fiber Withir Terminations N CNJ IT Departm	n New (With T(nent.	Cable Conr CNJ IT Dep	nector Hous partment. (ing Within Coordinate	4
										5
GEN	NERAL N	OTES								
1.	The Ass	ociated Projec	t Drawings Are	e Diagrammat	ic And Are Not	t Intend	ed To Sho	w The Loca	tion Of All	
2	Equipmo Installat	ent And Device ion (In Conjune	es; Coordinate ction With The duit To Be Co	All Details Of Project Specif	Work As Requinities (Contractions).	iired To With II	Achieve A	Complete	Functional	6
Ζ.	And Elb	ows. Flexible ealed Locations	Non Metallic ⁻ s.	Tubing Instead	Of Conduit Is	Accept	able Whe	re Pathway	Is Located	
3.	All Worl Having J	k Shall Be Done urisdiction.	e In Accordanc	e With Industr	ry Construction	n Codes,	, Standard	s, And Othe	r Agencies	
4.	Conduit Conditic	Routing Wher	e Shown Are E	Diagrammatic.	Contractor To	Field Ve	erify Routi	ng Fiber Wi	th Existing	7
5.	All Worl	k And Material	s Shall Be New	Unless Other	wise Noted.					
6.	Contrac Conduit	tor Shall Be R For All Cable R	esponsible To Runs Noted In I	Sleeve Wall Plans.	And Floor Pen	netration	ns Prior T	o Running	Cable And	
7.	Contrac	tor To Firestop	Wall And Floc	or Penetrations	s After Running	g Cables	And Conc	luit.		8
8.	A Portic Of This Emerger Commu	on Of This Wor Project, A Pr ncy Egress Ro nity Affairs Is R	k Will Be Occu otected Emer ute, Allowing Required To Clo	rring In The Pa gency Egress Retreat From ose Or Re-dired	ath Of An Emer Route Must B The Building. ct An Egress Ro	rgency Be Mair . Appro oute.	Egress Rountained Th Ntained Th Oval From	ite. During nrough Eacl The Depa	All Phases n Affected rtment Of	
PAR	RTIAL SY	MBOLS & AB	BREVIATION	S						
Iden	ntifier	Description			Identifier	Descr	ription			9
<u> </u>	`	New Fiber Pa	thway		FACP	Fire A	larm Cont	rol Panel		
<u> </u>	0	Conduit Pipe Above Or Thr	Up Through Fl rough Section	oor Cut Line	POE	Point	Of Entry			
<u> </u>	Ð	Conduit Pipe Down	Drop / Offset		MDF	Main	Distributio	on Frame		
F.	ACP	Fire Alarm Co	ontrol Panel							10
۷ R	ACK	Wall Mounte	d Connector H	ousing						
(A	Photo Identif	ication Tag							
	ð	Connect To E	xisting							11
		MDF / POE								
			PENNINGTON RE							
										12
				┇┶╍┙╘ <u>╶</u> ┧ ┇╒╍╕╶ <u>┌</u> ─┤						
										13
					A HANNA					
			T	۲ ۲ ۲						
					GREEN LN					14
4:41				CAMPU	IS KEY					
τιτίe INTE GITE	RIOR F NSTEIN	IBER ROUT	ING & MAINTEN	ANCE BUIL	DING	d	awg. no.	∧∩า	า	
FIRE scale		A drawn by	checked by	date			Г	HUZ	۷	
AS SHO	JVVN	AIVI	36	05/03/2020	J	Confid	dential and	Proprietary /	©DLB Associate	s 2019

		Q	R		S	Т	
KEY	NOTES	(SYMBOLS (1,2, ETC.)				
KFYI	NOTES 1	THRU 5 ARF RFF	PEATED ON ALL INTERIO	R FIBER ROUTING	G DRAWINGS		
1a.	Core Dri	Il Foundation W	/all For New Conduit Poi	nt Of Entry. Wall	Penetration Sh	all Be Sleeved And	1
	Sealed A Sheets A	As Per G005. Coo And TCNJ IT Dep	ordinate Final Point Of E artment.	ntry Location And	d Conduit Quar	ntity With FA005 - FA008	
1b.	Location	Of Existing Em	pty Conduits. Provide No	ew Fiber And Inne	erduct.		
1c.	Existing Termina	Spare Fiber Cap ition Points.	acity Available At MDF.	Coordinate With	TCNJ IT Depart	ment For Specific	
2.	Route Fi	ber Pathway As	Per G003 From Point O	f Entry To Main D	istribution Fra	me. Provide Slack Loop	2
3.	Termina	ite Fiber Within	New Cabinet Connector	- Housing Located	l Within Existin	g Main Distribution	
	Frame R	ack. Coordinate	Labeling Terminations	With TCNJ IT Dep	artment.		
4.	Frame C Fire Alar	ber Pathway As abinet Connector m Control Pane	Per G003 Containing 12 or Housing To Wall Mou L	2/12 Hybrid Fire A Inted Connector F	larm Fiber Fro Housing (WCH)	m Main Distribution Located Adjacent To The	
5.	New Wa	Ill Mounted Con	nector Housing (WCH)	As Per Detail G003	3 / 06 Located	As Close As Possible To	3
6	The Fire	Alarm Control I	Panel. Coordinate Final	Location With TCI	NJ IT.	using Within New Rack	
0.	Coordina Field Co	ate Labeling Te nditions And TC	rminations With TCNJ I NJ IT Department.	T Department.	Coordinate Fin	al Location With Existing	
7.	Pull Box Power H	Located on exte	erior of maintenance bu	ilding with existin Reamed And Clea	ng underground	d empty conduit from	
	Existing	Pathway Into Th	ne Office Space And Rou	te Above The Cei	ling To The ME	DF.	4
8.	Provide New Wa	12" Deep Wall I all Mounted Cal	Mounted Cabinet. Tern binet. Coordinate Label	ninate Fiber With ing Terminations	in New Cable (With TCNJ IT	Connector Housing Within Department. Coordinate	
			ting Field Conditions An	u iciti îl Departi	nent.		
							5
GEN	NERAL N	OTES					
1.	The Ass	ociated Project	Drawings Are Diagram	natic And Are No	t Intended To	Show The Location Of All	
	Equipme	ent And Devices ion (In Conjunct	ion With The Project Sp	Of Work As Requestions).	uired to Achie	ve A Complete Functional	
2.	New 1-1	L/4" Fiber Cond	uit To Be Concealed W	henever Possible	With Junctior	n Boxes At All Transitions	6
	And Elbo In Conce	ows. Flexible Nealed Locations.	Ion Metallic Tubing Inst	ead Of Conduit Is	s Acceptable V	Vhere Pathway Is Located	
3.	All Work	< Shall Be Done	In Accordance With Ind	ustry Constructio	n Codes, Stand	ards, And Other Agencies	
	Having J	urisdiction.					
4.	Conduit Conditio	Routing Where	Shown Are Diagramma	tic. Contractor To	o Field Verify R	outing Fiber With Existing	7
5.	All Work	And Materials	Shall Be New Unless Ot	herwise Noted.			
6.	Contract	tor Shall Be Re	sponsible To Sleeve W	all And Floor Pe	netrations Pric	or To Running Cable And	
	Conduit	For All Cable Ru	uns Noted In Plans.				
7.	Contract	tor To Firestop \	Wall And Floor Penetrat	ions After Runnin	g Cables And C	Conduit.	8
8.	A Portio Of This	n Of This Work Project, A Pro	Will Be Occurring In Th tected Emergency Egre	e Path Of An Eme ess Route Must	ergency Egress Be Maintained	Route. During All Phases Through Each Affected	
	Emerger Commu	ncy Egress Rou nity Affairs Is Re	te, Allowing Retreat Fr quired To Close Or Re-c	om The Building	g. Approval F oute.	rom The Department Of	
							q
Ider	ntifier	Description	hway	FACP	Description	Sontrol Panel	
		Conduit Pipe L	Jp Through Floor				
<u> </u>	o	Above Or Thro	ough Section Cut Line	POE	Point Of Ent	ry	
—	Ð	Down	Stop / Onset	MDF	Main Distrib	oution Frame	
F	ACP	Fire Alarm Cor	ntrol Panel				10
	WCH	Wall Mounted	Connector Housing				
£	A	Photo Identific	cation Tag				
	•	Connect To Ex	isting				
		MDF / POE					11
			PENNINGTON RD		Z		
							12
				╧ ╧╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴	H- H- H- H- H- H- H- H- H- H- H- H- H- H		
		ŝ			and the		12
		3					
					APP -		
		Ē					
				GREEN LN			¹⁴
			CAI				
title	RIUD L	יידו ותפון וודו ומפו	NG		dwg. no.		
GITE	NSTEIN AI ARM	I LIBRARY &	MAINTENANCE BI	JILDING		FA022	
scale AS SHC	DWN	drawn by AM	checked by date SG 05/03/2	2020			
-					Confidential	and Proprietary / ©DLB Associate	s 2019

IRE ALARN	N			
cale AS SHOWN	drawn by AM	checked by SG	date 05/03/2020	

N/I	N	0	P		0	B		<u>s</u>	т	
	IN	0	Г	KEY NOTES	(SYMBOLS (1,2, ETC.)		5		
				KEYNOTES 1	THRU 5 ARE REF	PEATED ON ALL INTERIO	R FIBER ROUTING	DRAWINGS		
				1a. Core Dr Sealed A	ill Foundation W As Per G005. Coc	/all For New Conduit Poir ordinate Final Point Of Er	nt Of Entry. Wall ntry Location And	Penetration Sl	nall Be Sleeved And ntity With FA005 - FA008	
				1b. Location	n Of Existing Em	pty Conduits. Provide Ne	ew Fiber And Inne	rduct.		
				1c. Existing Termina	Spare Fiber Cap ation Points.	acity Available At MDF. (Coordinate With	TCNJ IT Depar	tment For Specific	
				2. Route F And Fib	iber Pathway As er Labeling As Po	Per G003 From Point Of er Specs.	Entry To Main D	istribution Fra	me. Provide Slack Loop	2
				3. Termina Frame R	ate Fiber Within lack. Coordinate	New Cabinet Connector	Housing Located	Within Existir artment.	ng Main Distribution	
				4. Route F	iber Pathway As	Per G003 Containing 12	/12 Hybrid Fire A	larm Fiber Fro	m Main Distribution	
11				Fire Ala	rm Control Pane	l.				
	T	-		5. New Wa	Alarm Control I	Panel. Coordinate Final L	ocation With TCN	IJ IT.		3
J VI	1 A			6. Provide New Wa Final Lo	30" Deep Wall I all Mounted Cal cation With Exis	Mounted Cabinet. Term binet. Coordinate Labeli ting Field Conditions And	ng Terminations TCNJ IT Departn	n New Cable (With TCNJ IT rent.	Department. Coordinate	n e
				7. Route F	iber Pathway Ab	oove Drop Ceiling Where	Possible.			
				8. Coordin Cable A	ate With TCNJ I nd To Replace W	T Department For Cable /ith A Higher Capacity Ca	Removal. The Intable.	ent Is To Rem	ove The Existing Fiber	4
-				9. Contrac Circuit S #12G In	tor Shall Provid Shall Be Provide 3/4" Conduit W	le A 120V Circuit For In d From Nearest Electrica (ith A 20 Amp, 120V Sing	ntegral Fan And al Distribution Pa de Phase Circuit F	Light Power \ nel With Avail Breaker	Within 30" Deep Cabinet able Space Utilizing 2#12	[.) ,
				#120 111	574 Conduit W	nin A 20 Amp, 1200 Sing				_
				GENERAL N	OTES					
				1. The Ass Equipme	ociated Project ent And Devices	Drawings Are Diagramm ; Coordinate All Details	natic And Are No Of Work As Requ	t Intended To iired To Achie	Show The Location Of Alve A Complete Functiona	5
XISTING FIRE ALARM P	ANEL			Installat	ion (In Conjunct	ion With The Project Spe	ecifications).	With lunctio	a Davas At All Transition	
				2. New 1 And Elb	ows. Flexible N	Ion Metallic Tubing Inst	ead Of Conduit Is	Acceptable V	Where Pathway Is Located	d
				3. All Wor	k Shall Be Done	In Accordance With Indu	ustry Construction	n Codes, Stand	lards, And Other Agencies	s 6
				Having J	urisdiction.					
				4. Conduit Conditio	Routing Where	Shown Are Diagrammat	tic. Contractor To	Field Verify R	outing Fiber With Existing	g
				5. All Wor	k And Materials	Shall Be New Unless Oth	nerwise Noted.			
				6. Contrac Conduit	tor Shall Be Re For All Cable Ru	sponsible To Sleeve Wa uns Noted In Plans.	all And Floor Per	netrations Prio	or To Running Cable And	^d 7
				7. Contrac	tor To Firestop \	Wall And Floor Penetrati	ons After Runnin	g Cables And (Conduit.	
				8. A Portic Of This	on Of This Work Project, A Pro	Will Be Occurring In The tected Emergency Egre	e Path Of An Eme ss Route Must	rgency Egress Be Maintaine	Route. During All Phases d Through Each Affected	s d
				Emerge Commu	ncy Egress Rout nity Affairs Is Re	te, Allowing Retreat Free Reduced Free Reduced To Close Or Reduced To Close Or Reduced R	om The Building irect An Egress Ro	. Approval F oute.	rom The Department O	f Q
Read				PARTIAL SY	MBOLS & ABB					
1 AS	TUTI			Identifier	Description		Identifier	Descriptior	<u> </u>	_
				<u>ک</u>	New Fiber Patl	hway	FACP	Fire Alarm (Control Panel	
				⊶	Conduit Pipe L Above Or Thro	Jp Through Floor ough Section Cut Line	POE	Point Of En	try	9
					Conduit Pipe D Down	Drop / Offset	MDF	Main Distril	oution Frame	
				FACP	Fire Alarm Con	ntrol Panel				
19				WCH RACK	IT Rack	Connector Housing				
	1			A	Photo Identific	cation Tag				
					Connect To Ex	isting				
XISTING FIRE ALARM P. Alarm Control Panel Loca	ANEL ation									
										11
						PENNINGTON RD				
										1.2
1										
									T	
					4 8			THE FULL		13
							GREENIN	1		1 /
C - LOWER LEVEL CEILIN hway Above Existing Drop	<u>IG</u> p Ceiling					CΔM				
	project			title				dwg. no.		
	TCNJ - CAMP PART A - CAE	PUS FIRE ALARM PRO BLE INFRASTRUCTURE	JECT E UPGRADES	INTERIOR F METZGER (IBER ROUTII GARAGE & N 4	NG IUSIC BUILDING			FA023	
	EWING NJ, O	8618		scale AS SHOWN	drawn by AM	checked by date SG 05/03/2	020			
								Confidential	and Proprietary / ©DLB Assoc	ciates 2019

project
TCNJ - CAMPUS FIRE ALARM PROJECT
PART A - CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
FWING NI 08618

Μ	Ν	0	Р		Q	R
				KEY N	NOTES (SYMBOLS 1),②, ETC.)
		SNRTS		KEYNO 1a. C S 1b. L 1c. E T 2. R A 3. T F 4. R	DTES 1 THRU 5 ARE REPER Core Drill Foundation Wal ealed As Per G005. Coord heets And TCNJ IT Depar ocation Of Existing Empty xisting Spare Fiber Capac cermination Points. Oute Fiber Pathway As Per and Fiber Labeling As Per ferminate Fiber Within Ne rame Rack. Coordinate La oute (2) 2" Conduits From	ATED ON ALL INTER I For New Conduit F dinate Final Point O tment. y Conduits. Provide tity Available At MD er G003 From Point Specs. ew Cabinet Connec abeling Termination
				E C P H	conduit Shall Be Spare. The Figure 1 of the Spare of the	his Includes One Fro Cable (12/12 Hybri re Alarm Control Pa
	THE REAL PROPERTY.			5. N T	lew Wall Mounted Conne The Fire Alarm Control Pa	ector Housing (WCH

PHOTO - OVERVIEW

PHOTO - OVERVIEW

PHOTO D - CONDUIT ROUTING Route New Fiber Pathway Similar To The Existing Conduit Runs That Are Routed Under The Second Floor Press Box And Up Into The Mechanical Room.

		Q	R		S
KEY	NOTES	(SYMBOLS (1),②, ETC.)		
KEYI	NOTES 1 T	HRU 5 ARE REPE	ATED ON ALL INTERIOR F	IBER ROUTING	DRA
1a.	Core Drill Sealed As Sheets Ai	Foundation Wal Per G005. Coord nd TCNJ IT Depar	l For New Conduit Point dinate Final Point Of Enti tment.	Of Entry. Wall I ry Location And	Penet Conc
1b.	Location	Of Existing Empty	y Conduits. Provide New	Fiber And Inne	rduct
1c.	Existing S Terminat	pare Fiber Capac ion Points.	ity Available At MDF. Co	ordinate With ⁻	[CNJ
2.	Route Fib And Fibe	er Pathway As Po r Labeling As Per	er G003 From Point Of E Specs.	ntry To Main Di	stribu
3.	Terminat Frame Ra	e Fiber Within No ck. Coordinate La	ew Cabinet Connector H abeling Terminations Wi	ousing Located th TCNJ IT Depa	With artme
4.	Route (2) Existing C Conduit S Per G004 Housing (2" Conduits From Conduit Routing E Shall Be Spare. The And The Second WCH) For The Fin	m Soccer Mechanical Roo Between The Spaces. On his Includes One From Th Cable (12/12 Hybrid) Fro re Alarm Control Panel.	om To Soccer P e Conduit Shall ne Softball Pres om Soccer MDF	ress E Cont sbox Rooi
5.	New Wal The Fire /	l Mounted Conne Alarm Control Pa	ector Housing (WCH) As nel. Coordinate Final Loc	Per Detail G003 ation With TCN) / 06 IJ IT.
6.	New Con	duit And Hybrid :	12/12 Fiber Cable From I	MDF To Stadiun	n Pres
7.	Provide 1 New Wal Final Loca	2" Deep Wall Mo I Mounted Cabir ation With Existir	ounted Cabinet. Termin net. Coordinate Labeling ng Field Conditions And T	ate Fiber Withi Terminations CNJ IT Departm	n Nev With nent.
8.	Fiber Rou Are Two	ute From Admin Separate Runs.	Splice To Softball Press	box And From	Softb
9.	Provide 3 New Wal Final Loca	0" Deep Wall Mo I Mounted Cabir ation With Existir	ounted Cabinet. Termin net. Coordinate Labeling ng Field Conditions And T	ate Fiber Withi Terminations CNJ IT Departm	n Nev With nent.
10.	Contracto Circuit Sh #12G In 3	or Shall Provide aall Be Provided 1 8/4" Conduit Witl	A 120V Circuit For Inte From Nearest Electrical h A 20 Amp, 120V Single	egral Fan And I Distribution Par Phase Circuit B	Light nel W reake
GEN	NERAL NO	DTES			
1.	The Asso Equipmen Installatio	ciated Project Di nt And Devices; (on (In Conjunctio	rawings Are Diagrammat Coordinate All Details Of n With The Project Speci	tic And Are Not Work As Requ fications).	t Inte iired ⁻
2.	New 1-1/ And Elbo In Concea	4" Fiber Condui ws. Flexible Not aled Locations.	t To Be Concealed Whe n Metallic Tubing Instea	never Possible d Of Conduit Is	With Acce
3.	All Work Having Ju	Shall Be Done In irisdiction.	Accordance With Indust	ry Constructior	n Cod
4.	Conduit F Conditior	Routing Where Sl ns.	hown Are Diagrammatic	. Contractor To	Field
5.	All Work	And Materials Sh	all Be New Unless Other	wise Noted.	
6.	Contracto Conduit F	or Shall Be Resp For All Cable Runs	onsible To Sleeve Wall s Noted In Plans.	And Floor Per	netrat
7.	Contracto	or To Firestop Wa	all And Floor Penetration	ទ After Runninរ្	g Cabl
8.	A Portion Of This I Emergen Commun	n Of This Work W Project, A Prote cy Egress Route, ity Affairs Is Requ	/ill Be Occurring In The F cted Emergency Egress , Allowing Retreat Fron uired To Close Or Re-dire	Path Of An Eme Route Must E In The Building Pect An Egress Ro	rgenc Be M . Ap oute.
PAF	RTIAL SYN	BOLS & ABBR	EVIATIONS		
Ider	ntifier	Description		Identifier	De
<u> </u>	{	New Fiber Pathw	vay	FACP	Fire
<u> </u>	0	Conduit Pipe Up Above Or Throu	Through Floor gh Section Cut Line	POE	Poi
<u> </u>	Ð	Conduit Pipe Dro Down	op / Offset	MDF	Ma
F	ACP	Fire Alarm Contr	ol Panel		Exis
	МСН	Wall Mounted C	onnector Housing		

	Q	R		S	Т	
KEY	NOTES (SYMBOLS	1,2, ETC.)				
KEY	NOTES 1 THRU 5 ARE RE	PEATED ON ALL INTERIOR I	FIBER ROUTING	DRAWINGS		
1a.	Core Drill Foundation V Sealed As Per G005. Co Sheets And TCNJ IT Dep	Vall For New Conduit Point ordinate Final Point Of Ent partment.	Of Entry. Wall I ry Location And	Penetration Sh Conduit Quar	nall Be Sleeved And ntity With FA005 - FA008	
1b.	Location Of Existing Em	pty Conduits. Provide New	Fiber And Inne	rduct.		
1c.	Existing Spare Fiber Cap Termination Points.	oacity Available At MDF. Co	ordinate With ⁻	TCNJ IT Depart	ment For Specific	
2.	Route Fiber Pathway A And Fiber Labeling As F	s Per G003 From Point Of E Per Specs.	ntry To Main Di	istribution Fra	me. Provide Slack Loop	2
3.	Frame Rack. Coordinate	e Labeling Terminations Wi	th TCNJ IT Depa	artment.		
4.	Route (2) 2" Conduits F Existing Conduit Routin Conduit Shall Be Spare. Per G004 And The Seco Housing (WCH) For The	rom Soccer Mechanical Ro g Between The Spaces. On This Includes One From Tl nd Cable (12/12 Hybrid) Fr Fire Alarm Control Panel.	om To Soccer P le Conduit Shall he Softball Pres om Soccer MDF	ress Box MDF Contain (2) Fi sbox to The Sc Room To Wa	Room Following The ber Cables And One occer MDF Room Sized Il Mounted Connector	3
5. 6.	New Wall Mounted Con The Fire Alarm Control New Conduit And Hybr	nnector Housing (WCH) As Panel. Coordinate Final Loc id 12/12 Fiber Cable From I	Per Detail G003 cation With TCN MDF To Stadiun	8 / 06 Located NJ IT. n Press Box.	As Close As Possible To	
7.	Provide 12" Deep Wall New Wall Mounted Ca Final Location With Exis	Mounted Cabinet. Termin binet. Coordinate Labeling sting Field Conditions And T	ate Fiber Withi Terminations TCNJ IT Departm	n New Cable (With TCNJ IT nent.	Connector Housing Within Department. Coordinate	
8.	 Fiber Route From Admin Splice To Softball Pressbox And From Softball Press Box To Soccer Press Box Are Two Separate Runs. 					
9.	 Provide 30" Deep Wall Mounted Cabinet. Terminate Fiber Within New Cable Connector Housing Within New Wall Mounted Cabinet. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department. 					
10.	 Contractor Shall Provide A 120V Circuit For Integral Fan And Light Power Within 30" Deep Cabinet. Circuit Shall Be Provided From Nearest Electrical Distribution Panel With Available Space Utilizing 2#12, #12G In 3/4" Conduit With A 20 Amp, 120V Single Phase Circuit Breaker. 					
GEI	GENERAL NOTES					
1.	The Associated Project Equipment And Device Installation (In Conjunc	Drawings Are Diagramma s; Coordinate All Details Of tion With The Project Spec	tic And Are Not f Work As Requ ifications).	t Intended To iired To Achie	Show The Location Of All ve A Complete Functional	
2.	New 1-1/4" Fiber Cond And Elbows. Flexible In Concealed Locations	duit To Be Concealed Whe Non Metallic Tubing Instea	never Possible d Of Conduit Is	With Junction Acceptable V	n Boxes At All Transitions Vhere Pathway Is Located	6
3.	All Work Shall Be Done Having Jurisdiction.	In Accordance With Indust	try Constructior	n Codes, Stand	ards, And Other Agencies	
4.	Conduit Routing Where Conditions.	e Shown Are Diagrammatic	. Contractor To	Field Verify R	outing Fiber With Existing	7
5.	All Work And Materials	Shall Be New Unless Other	rwise Noted.	petrations Pric	or To Running Cable And	
0.	Conduit For All Cable R	uns Noted In Plans.			of to Running Cable And	
7.	Contractor To Firestop	Wall And Floor Penetratior	ាs After Runninខ្ល	g Cables And C	Conduit.	
8.	A Portion Of This Work Of This Project, A Pro Emergency Egress Rou Community Affairs Is Re	Will Be Occurring In The Fotected Emergency Egress Stected Emergency Egress State, Allowing Retreat Fron Equired To Close Or Re-dire	Path Of An Eme Route Must E n The Building. ect An Egress Ro	rgency Egress Be Maintained . Approval F Dute.	Route. During All Phases d Through Each Affected rom The Department Of	8
ΡΔΙ	RTIAL SYMBOLS & ARI	BREVIATIONS				1
Idei	ntifier Description		Identifier	Description		9
<u> </u>	New Fiber Pat	hway	FACP	Fire Alarm C	Control Panel	
,	-O Conduit Pipe	Up Through Floor	POE	Point Of Ent	ry	
<u>ـــــ</u>	Conduit Pipe	Drop / Offset	MDF	Main Distrik	oution Frame	
	Down			Existing POF		10
F	Fire Alarm Co	ntrol Panel			-	
Ē	RACK IT Rack					
(A Photo Identifi	cation Tag				
	Connect To Ex	kisting				
	MDF / POE					11
		PENNINGTON RD				12
					1	
						13
			NA DA V			
		самр				14
itle		<u>,</u>		dwg. no		
NTE STAI	RIOR FIBER ROUTI DIUM & SOCCER FI ALARM	NG ELD BUILDINGS		d wg. 110.	FA024	
cale AS SH(drawn by OWN AM	checked by date SG 05/03/202	20	Confidential	and Pronrietary / MDI P Accosisto	s 2020

project
TCNJ - CAMPUS FIRE ALARM PROJECT
PART A - CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618

Last Saved: N:\47\472\47211 - TCNJ Campus Fire Alarm\010 Cable Infrastructure Upgrade\47211 - 11 - FA025.dwg, 10/3/19 at 2:32 PM By SGOWERS - Last Printed: 5/4/20 at 5:22 PM By Gowers, Scot

Μ	Ν	0	Р	Q	R	S
			к	EY NOTES (SYMBOLS (.), ②, ETC.)	

PHOTO B - BASEMENT CORRIDOR CEILING Route Fiber Pathway Above Drop Ceiling In Basement Corridor

		Q		R	(5	Т	
KEY	NOTES	(SYMBOLS 1), (2), ETC.)					
КЕҮІ 1а.	Core Dril Sealed A Sheets A	I HRU 5 ARE REPE Il Foundation Wal s Per G005. Coord nd TCNJ IT Depar	I For New Con dinate Final P tment.	nduit Point Of oint Of Entry I	ER ROUTING I Entry. Wall P Location And	DRAWINGS enetration SI Conduit Quar	hall Be Sleeved And ntity With FA005 - FA008	1
10. 1c.	Existing S Termina	Spare Fiber Capac tion Points.	ity Available	At MDF. Coord	dinate With T	duct. CNJ IT Depar	tment For Specific	
2.	Route Fil And Fibe	ber Pathway As Pe er Labeling As Per	er G003 From Specs.	Point Of Entr	y To Main Dis	tribution Fra	me. Provide Slack Loop	2
3.	Termina Frame Ra	te Fiber Within Ne ack. Coordinate La	ew Cabinet Co abeling Termi	onnector Hou nations With	sing Located \ TCNJ IT Depar	Within Existir rtment.	ng Main Distribution	
4.	Route Fil Frame Ca Fire Alar	ber Pathway As Pe abinet Connector m Control Panel.	er G003 Cont Housing To V	aining 12/12 H Vall Mounted	lybrid Fire Ala Connector Ho	arm Fiber Fro ousing (WCH)	om Main Distribution) Located Adjacent To The	
5.	New Wa The Fire	ll Mounted Conne Alarm Control Pa	ector Housing nel. Coordina	; (WCH) As Pei te Final Locat	Detail G003 ion With TCN	/ 06 Located I IT.	As Close As Possible To	3
6.	Core Dri Distribut Within L	ill All Floor Pene ion Frame (MDF) ower Level. All Flo	trations To On Third Flo oor Penetration	Route Fiber F or. Route Fror ons To Be Labe	rom Point O n MDF To Wa eled Per Spec	of Entry With all Mounted And Details	hin Lower Level To Main Connector Housing (WCH) On Sheet G005.	
7.	Route Fil	ber Pathway Abov	ve Drop Ceilin	ng Where Poss	ible.			
GEN	IERAL NO	OTES						4
1.	The Asso Equipme Installati	ociated Project Drent And Devices; Con (In Conjunction	awings Are E Coordinate Al n With The Pi	Diagrammatic Il Details Of W roject Specific	And Are Not /ork As Requi ations).	Intended To red To Achie	Show The Location Of All	
2.	And Elbo In Conce	ows. Flexible Noi aled Locations.	n Metallic Tu Accordance	ealed whene bing Instead (With Industry	Of Conduit Is	Acceptable V	h Boxes At All Transitions Where Pathway Is Located dards, And Other Agencies	5
Δ.	Having Ju	urisdiction.		grammatic C	ontractor To 1	Field Vorifier	Outing Fiber With Evisting	
4.	Conditio	ns.				rielu verity k	outing Fiber with Existing	G
5. 6.	All Work	or Shall Be Resp	all Be New U onsible To S	nless Otherwi leeve Wall Ar	se Noted. nd Floor Pene	etrations Prie	or To Running Cable And	0
7.	Conduit Contract	For All Cable Runs	Noted In Pla	ins. Penetrations A	After Running	Cables And (Conduit.	
8.	8. A Portion Of This Work Will Be Occurring In The Path Of An Emergency Egress Route. During All Phases Of This Project, A Protected Emergency Egress Route Must Be Maintained Through Each Affected Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department Of Community Affairs Is Required To Close Or Re-direct An Egress Route.						7	
PAF	TIAL SYI	MBOLS & ABBRI	EVIATIONS					
Ider	itifier	Description	av		Identifier FACP	Description	<u>)</u> Control Panel	8
<u>.</u>	0	Conduit Pipe Up Above Or Throug	, Through Floc gh Section Cu	or t Line	POE	Point Of En	try	
	Ð	Conduit Pipe Dro Down	op / Offset		MDF	Main Distrik	oution Frame	
F. V R	ACP VCH ACK	Fire Alarm Contro Wall Mounted Co IT Rack	ol Panel onnector Hou	using				9
(Photo Identificat Connect To Exist	ion Tag ing					
		MDF / POE						10
								11
			PENNINGTON RD			7		12
		6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7						13
					GREEN LN	, ,		14
				CAMPUS	KEY N			
^{le} ITE EW	RIOR FI	BER ROUTING	G WORTHY	HALL		dwg. no.	ΕΔΛ2	
IRE ^{ale} 5 SHC		l drawn by cl AM S	necked by G	date 05/03/2020				
						confidential	anu Proprietary / ©DLB Associate	s 2019

<u>Identifier</u>	Description	<u>Identifier</u>
<u>۲</u>	New Fiber Pathway	FACP
⊶	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE
ر	Conduit Pipe Drop / Offset Down	MDF
FACP	Fire Alarm Control Panel	
WCH	Wall Mounted Connector Housing	
RACK	IT Rack	
A	Photo Identification Tag	
	Connect To Existing	
	MDF / POE	

R		S	Т		
/BOLS ①,②, ETC.)		-	•		
ARE REPEATED ON ALL INTERIOR dation Wall For New Conduit Point 005. Coordinate Final Point Of Ent IJ IT Department.	FIBER ROUTING Of Entry. Wall I ry Location And	DRAWINGS Penetration Sh Conduit Quar	all Be Sleeved And htity With FA005 - FA008	1	
ting Empty Conduits. Provide New iber Capacity Available At MDF. Co	[,] Fiber And Inne pordinate With ⁻	rduct. TCNJ IT Depart	ment For Specific		
hway As Per G003 From Point Of E ing As Per Specs.	intry To Main Di	stribution Fra	me. Provide Slack Loop	2	
r Within New Cabinet Connector H ordinate Labeling Terminations W	lousing Located ith TCNJ IT Depa	Within Existin artment.	g Main Distribution		
hway As Per G003 Containing 12/2 Connector Housing To Wall Mount rol Panel.	L2 Hybrid Fire A ed Connector H	larm Fiber Fro lousing (WCH)	m Main Distribution Located Adjacent To The		
nted Connector Housing (WCH) As Control Panel. Coordinate Final Lo	Per Detail G003 cation With TCN	3 / 06 Located . IJ IT.	As Close As Possible To	3	
me (MDF) On Third Floor. Route Floe evel. All Floor Penetrations To Be I	From MDF To W abeled Per Spec	all Mounted (And Details (Connector Housing (WCH) On Sheet G005.		
				4	
Project Drawings Are Diagramma Devices; Coordinate All Details O Conjunction With The Project Spec	itic And Are Not f Work As Requ ifications).	t Intended To lired To Achiev	Show The Location Of All ve A Complete Functional		
er Conduit To Be Concealed Whe lexible Non Metallic Tubing Instea cations.	er Conduit To Be Concealed Whenever Possible With Junction Boxes At All Transitions lexible Non Metallic Tubing Instead Of Conduit Is Acceptable Where Pathway Is Located cations. e Done In Accordance With Industry Construction Codes, Standards, And Other Agencies ion.				
ion. g Where Shown Are Diagrammatic	c. Contractor To	Field Verify R	outing Fiber With Existing		
aterials Shall Be New Unless Otherwise Noted.					
Be Responsible To Sleeve Wall And Floor Penetrations Prior To Running Cable And Cable Runs Noted In Plans.					
restop Wall And Floor Penetrations After Running Cables And Conduit. is Work Will Be Occurring In The Path Of An Emergency Egress Route. During All Phases , A Protected Emergency Egress Route Must Be Maintained Through Each Affected ess Route, Allowing Retreat From The Building. Approval From The Department Of hirs Is Required To Close Or Re-direct An Egress Route.					
S & ABBREVIATIONS					
ption iber Pathway	Identifier FACP	Description Fire Alarm C	ontrol Panel	8	
it Pipe Up Through Floor Or Through Section Cut Line	POE	Point Of Ent	ry		
it Pipe Drop / Offset	MDF	Main Distrib	oution Frame		
arm Control Panel Aounted Connector Housing K				9	
Identification Tag					
POE				10	
				11	
PENNINGTON RD			~	12	
				13	
	GREEN LN	ţ		14	
CAMF	PUS KEY				
ROUTING & NORSWORTHY HALL		dwg. no.	FA025		
y checked by date SG 05/03/202	20	Confidential	and Proprietary / ©DLB Associates	s 2019	

RM PROJECT RUCTURE UPGRADES D,	title INTERIOR FIBER ROUTING NEW RESIDENCE & NORSWORTHY HALL FIRE ALARM				
,	scale	drawn by	checked by	date	
	AS SHOWN	AM	SG	05/03/2020	

Μ	N	0	Р

		Q	R		S	5	Т	Γ
KEY NO	OTES	(SYMBOLS (),②, ETC.)					
KEYNOT 1a. Col Sea She	TES 1 T re Dril aled A eets A	THRU 5 ARE REP I Foundation Wa s Per G005. Coo nd TCNJ IT Depa	EATED ON ALL INTERI Ill For New Conduit Po rdinate Final Point Of rtment.	OR FIBER oint Of Er Entry Loo	ROUTING E ntry. Wall Pe cation And (DRAWING enetratior Conduit Q	S n Shall Be Sleeved And uantity With FA005 - FA008	1
1b. Loc 1c. Exi	cation isting S	Of Existing Emp	ty Conduits. Provide N city Available At MDF	New Fiber Coordir	r And Innero	duct. CNJ IT Dep	partment For Specific	
2. Roi An	rminat ute Fik Id Fibe	tion Points. Der Pathway As I r Labeling As Pe	Per G003 From Point (r Specs.	Of Entry 1	To Main Dis	tribution f	Frame. Provide Slack Loop	2
3. Tei Fra	rminat ame Ra	te Fiber Within I ack. Coordinate	lew Cabinet Connecto _abeling Terminations	or Housin s With TC	ng Located V NJ IT Depar	Within Exis tment.	sting Main Distribution	
4. Rou Fra Fire	ute Fik ame Ca e Alari	per Pathway As abinet Connecto m Control Panel	Per G003 Containing 1 r Housing To Wall Mo	12/12 Hyl ounted Co	brid Fire Ala onnector Ho	arm Fiber F busing (WC	From Main Distribution CH) Located Adjacent To The	
5. Ne [·] The	w Wal e Fire	ll Mounted Conr Alarm Control P	ector Housing (WCH) anel. Coordinate Fina) As Per D I Locatior	etail G003 / n With TCNJ	/ 06 Locato I IT.	ed As Close As Possible To	3
6. Coi (W	re Dril /CH) W	l All Floor Penet /ithin First Floor	rations To Route From All Floor Penetration	m MDF Ir is To Be L	n Basement abeled Per	To Wall N Spec And	Mounted Connector Housing Details On Sheet G005.	
7. Roi	ute Fil	per Pathway Abo	ove Drop Ceiling Whe	re Possibl	le.			
GENER	RAL NO	DTES						4
 The Associated Project Drawings Are Diagrammatic And Are Not Intended To Show The Location Of All Equipment And Devices; Coordinate All Details Of Work As Required To Achieve A Complete Functional Installation (In Conjunction With The Project Specifications). 								
2. Ne An In (New 1-1/4" Fiber Conduit To Be Concealed Whenever Possible With Junction Boxes At All Transitions And Elbows. Flexible Non Metallic Tubing Instead Of Conduit Is Acceptable Where Pathway Is Located In Concealed Locations. 						5	
з. All Ha	vvork ving Ju	วาลา Be Done li urisdiction.	i Accordance With In	uustry CC	DIST UCTION	coues, Sta	anuarus, Anu Other Agencies	
4. Con Con	nduit nditio	Routing Where and the states the states of t	Shown Are Diagramm	atic. Con	tractor To F	ield Verify	y Routing Fiber With Existing	
5. All	Work	And Materials S	hall Be New Unless O	otherwise	Noted.			6
6. Coi Coi	Conduit For All Cable Runs Noted In Plans.							
7. Co	7. Contractor To Firestop Wall And Floor Penetrations After Running Cables And Conduit.							
8. A F Of Em Col	Of This Project, A Protected Emergency Egress Route Must Be Maintained Through Each Affected Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department Of Community Affairs Is Required To Close Or Re-direct An Egress Route.					7		
PARTIA	AL SYI	VIBOLS & ABBI	REVIATIONS					
<u>Identifi</u>	ier	Description		<u>lc</u>	lentifier	Descripti	ion	8
	<u> </u>	New Fiber Path Conduit Pipe U	way o Through Floor	F4		Fire Alarr	n Control Panel	
		Above Or Throu Conduit Pipe D Down	ugh Section Cut Line op / Offset	M	IDF	Main Dis	tribution Frame	
FACP		Fire Alarm Cont	rol Panel					9
RACK		IT Rack	connector Housing					
		Photo Identifica	tion Tag					
]	MDF / POE	ting					
								10
								11
			PENNINGTON RD					
								12
						<u>I</u>		
							~	
				▂┎┍┙ <mark>╏</mark> ╗╴				
] 	The state		13
		E		ß				
		- Fil						
		ч∟			GREEN LN			14
			<u>C</u>	AMPUS KEY				
	OR FI		G			dwg.		
PACKER FIRE AL	K HAI .ARM						FA026	
AS SHOWN	N	AM	SG 05/03	/2020		Confident	ial and Proprietary / ©DLB Associate	es 2019

Identifier	Description	<u>Identifier</u>
`	New Fiber Pathway	FACP
o	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE
	Conduit Pipe Drop / Offset Down	MDF
FACP	Fire Alarm Control Panel	
WCH	Wall Mounted Connector Housing	
RACK	IT Rack	
A	Photo Identification Tag	
•	Connect To Existing	
	MDF / POE	

title						
INTERIOR I	NTERIOR FIBER ROUTING					
PACKER HA	PACKER HALL & PHELPS HALL					
FIRE ALARI	FIRE ALARM					
scale	drawn by	checked by	date			
AS SHOWN	AM	SG	05/03/2020			

project		title
TCNJ - CAMPUS	S FIRE ALARM PROJECT	INTERI
PART A - CABLE	INFRASTRUCTURE UPGRADES	PACKE
2000 PENNING	TON ROAD,	FIRE A
EWING NJ, 086	18	scale AS SHOW

т	
RAWINGS	
netration Shall Be Sleeved And	1
onduit Quantity With FA005 - FA008	
luct.	
NJ IT Department For Specific	
ribution Frame. Provide Slack Loop	2
lithin Existing Main Distribution	2
ment.	
rm Fiber From Main Distribution using (WCH) Located Adjacent To The	
06 Located As Close As Possible To	
IT.	3
New Cable Connector Housing Within ith TCNJ IT Department. Coordinate	
nt.	
Basement Ceiling. Core Drill Ceiling	
Conduit Routing With Existing Field	4
to Ceiling Above Control Room.	
ating with existing Field Conditions	
Room Containing 12/12 Hybrid Fire Shall Be Mounted Tight To Ceiling /	
hla Franc MDF Daars Through Chiller	F
Building. Follow Routing OF Existing	С
ght Power Within 30" Deep Cabinet.	
el With Available Space Utilizing 2#12, eaker.	
ation Location. New Fire Alarm Front	
	6
ntended To Show The Location Of All	
ed To Achieve A Complete Functional	
/ith Junction Boxes At All Transitions	7
duit Is Acceptable Where Pathway Is	-
odes Standards And Other Agencies	
ield Verify Routing Fiber With Existing	
	8
trations Driar To Dunning Cable And	
trations Phor to Running Cable And	
Cables And Conduit.	
ency Egress Route. During All Phases	9
Maintained Through Each Affected Approval From The Department Of	
te.	
Description	10
Fire Alarm Control Panel	10
Point Of Entry	
Main Distribution Frame	
Photo Identification Tag	
Connect To Existing	11
MDF / POE	
	12
A CONTRACTOR OF	12
	13
	14
dwg. no.	
Confidential and Proprietary / @DLB Associate	2020

Last Saved: N:\47\472\47211 - TCNJ Campus Fire Alarm\010 Cable Infrastructure Upgrade\47211 - 11 - FA028.dwg, 5/3/20 at 7:57 AM By SGOWERS - Last Printed: 5/4/20 at 5:22 PM By Gowers, Scot

C

Existing Conditions Within Lower Level Lounge

project
TCNJ - CAMPUS FIRE ALARM PROJECT
PART A - CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618

		Q		R		S	Т	
KEY	NOTES	(SYMBOLS (1),②, ETC.)					
КЕҮІ 1 а	NOTES 1	I HRU 5 ARE REPE	LEOR NOW CO	INTERIOR FIB	ER ROUTING	DRAWINGS	hall Bo Slooved And	1
Id.	Sealed A	As Per G005. Coord	dinate Final P	oint Of Entry	Location And	Conduit Qua	ntity With FA005 - FA008	
1b.	Location	Of Existing Empty	v Conduits. Pr	rovide New Fi	ber And Inner	rduct.		
1c.	Existing	Spare Fiber Capac	, ity Available .	At MDF. Coor	dinate With T	CNJ IT Depar	tment For Specific	
	Termina	tion Points.				·	·	
2.	Route Fi And Fibe	ber Pathway As Pe er Labeling As Per	er G003 From Specs.	Point Of Entr	ry To Main Dis	stribution Fra	me. Provide Slack Loop	2
3.	Termina	ite Fiber Within N	ew Cabinet C	onnector Hou	sing Located	Within Existir	ng Main Distribution	
Л	Frame R	ack. Coordinate Li	abeling Termi	nations With	ICNJ II Depa	rtment. arm Eibar Era	m Main Distribution	
4.	Frame C	abinet Connector	Housing To V	Vall Mounted	Connector H	ousing (WCH)) Located Adjacent To The	
5.	New Wa	Ill Mounted Conne	ector Housing	(WCH) As Pe	r Detail G003	/ 06 Located	As Close As Possible To	2
	The Fire	Alarm Control Pa	nel. Coordina	te Final Locat	ion With TCN	Ĵ IT.		
6.	Core Dri To The \	ill All Floor Penetr Wall Mounted Cor	ations To Round Ro	ute Fiber Fror ing (WCH) Wi	n Main Distril thin Basemer	bution Frame nt. All Floor P	e (MDF) On The First Floor enetrations To Be Labeled	
7	Per Spec	c And Details On S	heet G005.					
7. 8	Provide			ig where Poss	New Cable (Connector H	ousing Within New Pack	
0.	Coordina Field Co	ate Labeling Tern	ninations Wit	h TCNJ IT De	partment. C	oordinate Fir	al Location With Existing	4
			Thepartine	iit.				
GEN	NERAL N	OTES						5
1.	The Ass	ociated Project D	rawings Are [Diagrammatic	And Are Not	Intended To	Show The Location Of All	
	Equipme Installati	ent And Devices; (ion (In Coniunctio	Coordinate Al n With The Pi	ll Details Of W	Vork As Requi	ired To Achie	ve A Complete Functional	
2	Now 1-1	1/4" Eiber Condui	t To Be Conc	ealed Whene	wer Possible	With Junctio	n Roves At All Transitions	
۷.	And Elbo	ows. Flexible No	n Metallic Tu	bing Instead (Of Conduit Is	Acceptable \	Where Pathway Is Located	
	In Conce	ealed Locations.						6
3.	All Work	k Shall Be Done In	Accordance V	With Industry	Construction	Codes, Stand	dards, And Other Agencies	
_								
4.	Conduit	Routing Where Slons.	hown Are Dia	grammatic. C	ontractor Io	Field Verity R	outing Fiber With Existing	
5.	All Work	< And Materials Sh	nall Be New U	nless Otherwi	ise Noted.			_
6	Contract	tor Shall Be Resn	onsible To S	loovo Wall A	nd Floor Pen	etrations Priv	or To Running Cable And	′
0.	Conduit	For All Cable Runs	s Noted In Pla	ins.				
7.	Contract	tor To Firestop Wa	all And Floor I	Penetrations A	After Running	Cables And (Conduit.	
8.	A Portio	n Of This Work W	/ill Be Occurri	ng In The Pat	h Of An Emer	rgency Egress	Route. During All Phases	
	Of This	Project, A Prote	cted Emerge	ncy Egress R	oute Must B	e Maintaine	d Through Each Affected	8
	Commu	nity Affairs Is Requ	, Allowing Re uired To Close	e Or Re-direct	An Egress Ro	ute.	fom the Department Of	
PAF	RTIAL SY	MBOLS & ABBR	EVIATIONS					
Ider	ntifier	Description			Identifier	Descriptior	1	9
	`	New Fiber Pathw	vay		FACP	Fire Alarm (Control Panel	
<u> </u>	o	Conduit Pipe Up	Through Floc	or	POE	Point Of En	trv	
	-	Above Or Throug	gh Section Cu on / Offset	t Line				
<u> </u>	Ð	Down			MDF	Main Distril	oution Frame	
F	ACP	Fire Alarm Contr	ol Panel					10
V	WCH	Wall Mounted C	onnector Hou	using				
R	ACK	IT Rack						
(A	Photo Identificat	ion Tag					
	ð	Connect To Exist	ing					
		MDF / POE						11
			PENNINGTON RD					
								11
						T		
					\ 	Д Л	~	
				۲ (] ج				
		G				- The second		13
		4 4				T		
		4						
		٢		-				
						7		
					\\\\ GREEN LN			14
				CANADUC				
title		IBER ROLITING	G			dwg. no.		
ROS		ALL & PHYSICS	BUILDING	ì			FA028	
scale		drawn by c	hecked by	date		\neg	 -	
42 SH(VVIN		U	ບວ/ປ3/2020		Confidential	and Proprietary / ©DLB Associate	s 2020

KEY NOTES [1] STRUCTS 1.THU, SAGE REPERTOR DAY, UNFITTED REPERTOR DUTING DREAMINGS [1] Social of the product with the two bubbers and that we make the two the transmission of the structure bubble of the the production of the type bubble of the production of the type bubble of the type bubble of the type bubble of the the production of the type bubble the the type bubble of the type bubble of the type bubble of the			Q	R		S	Т		
SPINOTES 11 HULL SAFE MERCENDER ALL LOTER OR FURTH ROLLING DRAVINES 1 12. Core of the surface New Longer and the rest of the surface New All Rest of the NEW AND CONTENT LODGE THAT SURFACE NEW AND THE SURFACE THAT SURFACE THAT SURFACE AND THE S	KEY	NOTES	(SYMBOLS (1),②, ETC.)					
1 1 1 1 1 1 1 <td>KEYI</td> <td>NOTES 1</td> <td>THRU 5 ARF RFPF</td> <td>ATED ON ALL INTERIOR F</td> <td></td> <td></td> <td></td> <td></td>	KEYI	NOTES 1	THRU 5 ARF RFPF	ATED ON ALL INTERIOR F					
	1a.	Core Dri Sealed A Sheets A	Il Foundation Wal As Per G005. Coord And TCNJ IT Depar	l For New Conduit Point dinate Final Point Of Entr tment.	Of Entry. Wall ry Location And	Penetration Sh I Conduit Quar	nall Be Sleeved And ntity With FA005 - FA008	1	
	1b.	Location	Of Existing Empty	y Conduits. Provide New	Fiber And Inne	erduct.			
	1c.	Existing Termina	Spare Fiber Capac tion Points.	ity Available At MDF. Co	ordinate With	TCNJ IT Depart	ment For Specific		
	2.	Route Fi And Fibe	ber Pathway As Pe er Labeling As Per	er G003 From Point Of Ei Specs.	ntry To Main D	istribution Fra	me. Provide Slack Loop	2	
Proceeds and concent sound in the Constant and Cons	3.	Termina Frame R	te Fiber Within Na ack. Coordinate La	ew Cabinet Connector Ho abeling Terminations Wit	ousing Located th TCNJ IT Depa	Within Existin artment.	g Main Distribution		
S. New York Markets Concerning Worth Aces Deall CO21 (5) Exceed A Close A Possible To The Fire Advancement Final Academic With Ital 10. Second Diff A Fire Proceedings To Rocke Piet Hand Nation With Ital 10. Second Diff A Fire Proceeding With Piet Processes A Dealed To Proceeding With Piet Processes A Dealed Trans Proceeding With Piet Proceeding With Neuron Recesses A Dealed Trans Proceeding With Piet Proceeding With Neuron Recesses A Dealed Trans Proceeding With Piet Proceeding With Neuron Recesses A Dealed Trans Proceeding With Piet Proceeding With Neuron Recesses A Dealed Trans Proceeding With Piet Proceeding With Neuron Recesses A Dealed Trans Proceeding With Piet Proceeding With Neuron Recesses A Dealed Trans Proceeding With Piet Proceeding With Neuron Recesses A Dealed Trans Proceeding With Piet Proceeding With Neuron Recesses A Dealed Trans Proceeding With Piet Proceeding With Neuron Recesses A Dealed Trans Proceeding With Piet Proceeding With Neuron Recesses A Dealed Trans Proceeding With Piet Proceeding With Neuron Recesses A Dealed Trans Proceeding With Piet Proceeding With Piet Proceeding A Dealed Trans Proceeding With Piet Proceeding With Recesses A Dealed Trans Proceeding With Piet Proceeding With Recesses A Dealed Trans Proceeding With Piet Proceeding With Recesses A	4.	Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cabinet Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.							
Construction of all fiber descented to its back fiber read with instruction frame (MCF) on the Hype Rec (MD Deale On Black COD). Read: Fiber backway Abox Drup Chiling Where Provable. Prodef: The State Rock. Transing Theme Works (MCC Case). Generating Transiences With ICA. If Department. Conditions Final Excellence With Instruction frame (MCF) and the states of the ICA of the Providence of the ICA of the ICA of the ICA of the ICA of the Providence of the ICA of t	5.	New Wa The Fire	II Mounted Conne Alarm Control Pa	ector Housing (WCH) As F nel. Coordinate Final Loc	Per Detail G003 ation With TCN	3 / 06 Located	As Close As Possible To	3	
7. Bouter Flater Pathway Above Drog Calling Whene Rasolate. Provide Two Pack Dock. Terminater Flater VIIIIn New Caste Connector Housing Wittin New Rade, Pred Conductors And TCAUT Department. Conductors Housing Wittin New Rade, Terminater Flater VIIII Toperment. S GENERAL NOTES 5 1. The Associated Project Disorings Are Diagrammatic And Are Not Intended To Show The Lackaton Of An Englanema And Devines, Conductors Al Dealls Of Wark As Required To Actives A: Completer Functional metabolity of Conduct In the Contract Of Devines, Conductors Al Dealls Of Wark As Required To Actives A: Completer Functional metabolity of Conduct In Accessible With Intended To Show The Lackaton Of An Intended To Show The Diagrammatic Contractor To Flad Werly Routing Their With Easting Intended Of Conduct Is Accessible With and Conduct Is Accessible With and Pace Transition And Book Predictions. 6 3. All Wark Shull Be Doe In Accordance With Industry Construction Codes, Standards, And Otter Agendes In Consent To Be Reproduction Internet Pathway Is Locked In The Industry Market Intended To Show The Diagrammatic. Contractor To Flad Werly Routing Their With Easting Decontrol of The Work And Market Not Net Diagrammatic. Contractor To Flad Werly Routing There With Beach Complex Parket Intended To Show The Diagrammatic Contractor To Flad Werly Routing There With Easting Intended To Allow Predictions Parket Intended To Show The Diagrammatic Contractor Parket Intended To Notice Intended To Show The Diagrammatic Contractor Parket Intended To Notice Intended To Show The Diagrammatic Contractor Parket Intended To Show The Diagrammatic Contractor To Running Cable And Conduct. 8. Arotene Of Theore	6.	Core Dri To The \ Per Spec	ll All Floor Penetr Wall Mounted Cor And Details On S	ations To Route Fiber Fr nnector Housing (WCH) \ heet G005.	om Main Distr Within Baseme	ibution Frame nt. All Floor Pe	(MDF) On The First Floor enetrations To Be Labeled		
	7.	Route Fi	ber Pathway Abov	ve Drop Ceiling Where Po	ossible.				
GENERAL NOTES 5 1. The Associated Project Densing, Are Diagrammetic And Are Not Intended To Show The Loadon Of All Equipment And Densics; Condition A Densition of VerA Required To Achieve A Complete Functional Installation (in Conjunction With The Project Specifications). 6 2. New 1.1/4" Fiber Concluit to be Concelled Whenever Installe With Junction Boost At All Finantions And Phones. Theorematic Tubing Instead Of Conduit Is Acceptable Where Pathway Is foracted in Concelled Locations. 7 3. All Work Shall be Usen in Acceptance With Industry Construction Codes, Standards, And Other Agencies Theory Burkleid Con. 7 4. Conduit Routing Where Shown Are Diagrammetic. Contractor To Held Verify Bouting Fiber With Beating Conduits For All Code Instances With Industry Construction Codes, Standards, And Other Agencies Theory Burkleid To All Code And Conduit For All Code Instances With Industry Construction Codes, Standards, And Other Agencies Theory Burkleid To All Code And Conduit For All Add Floor Penetrations Phor To Running Cable And Conduit For All Cable Trues Well And Floor Penetrations Phor To Running Cable And Conduit For All Cable Fuer Well And Floor Penetrations Mark Running Cables And Conduit. 8 PATTAL SYMBOLS & ABBREVIATIONS Beatifier Pacceptain 9 Image: Conduit Fire Burkley Hong All Coles On Redirect An Egress Route. Pacceptain 9 Image: Conduit Fire Burkley Hong All Floor Penetration Conduit Fire Burkley Hong Floor All Conduit	8.	Provide Coordina Field Coi	Two Post Rack. ate Labeling Tern nditions And TCNJ	Terminate Fiber Withi ninations With TCNJ IT [IT Department.	n New Cable Department. (Connector Ho Coordinate Fin	ousing Within New Rack. al Location With Existing	4	
GENERAL NOTES 5 1. The Associated Project Dowings Are Diagrammatic And Aire Nat Interneted To Show The Location Of All Equipment And Devices; Coordinate All Details (O Work As Required To Artiver A Complete Functional Installation (In Compution With The Project Specifications). 6 2. New 1-14" Hier Conduit To be Concelled Witherever Possible With Junction Bows At All Financions Int Concelled Locations. 7 3. All Work Shall Be Done In Accordance With Industry Construction Codes. Standards. And Other Agencies Historia Linduction. 7 4. Conduit Routing Where Shown Are Diagrammatic. Contractor To Field Wenty Housing Fiber With Eductor Conduit For All Linduction. 7 5. All Work And Materials Shell Be New Unless Otherwise Noted. 7 6. Contractor Shall Be Reportable To Sizew Wall And Floor Penetrations Phor To Running Cable And Conduit For All Linduck Auro Netal In Parts. 7 7. Contractor To Firestop Wall And Floor Penetrations After Running Cables And Conduit. 8 8. A Portion LThis Work Will Be Counting In The Path Of An Enropport Fires Route. Aurorg All Phases of This Myrephere Pathway 9 9 Conduit For Mithoused Connected For Number of Community Allusis Is Required To Cube Or Reidret: An Egress Route. 9 10 Work Mooned Connected For Dual Photophysics Note Counting Photophysics Note Photophysics Note Counting Photophysics Note Counting Photophysics Note Counting Photophysics Note Counting Photophysics Note And Note Note Photophysics Note Photophysics Note Counting Photophysic									
1. The Associated Project Drawings Are Diagrammatic And Are Not Intended To Show The Location Of All Epupment And Devices, Coordinate All Deals Of Work & Sequined To Achieve A Complete Functional Installation (in Conjunction With The Project Specifications). 6 2. New 1.14" Fiber Conduit To Be Concaded Whenever Possible With Junction Boxes At All Transition And Elbows. Reade Non Metallic Tubing Instead Of Conduit is Acceptable When Pathway is Located in Conceaded Understanding. Contractor To Field Verify Routing Fiber With Existing Conduitors. 7 3. All Work And Materials Shall Be New Unless Otherwise Noted. 7 4. Conduit Routing Where Shown Are Diagrammatic. Contractor To Field Verify Routing Fiber With Existing Conductors. A fire Addition. 7 5. All Work And Materials Shall Be New Unless Otherwise Noted. 7 6. Contractor To Field Verify Routing Fiber With Existing Conductors. A fire Routing Whene Shown Are Diagrammatic. Contractor To Field Verify Routing Hibers and Conduit. 8 7. Contractor To FireADP Wall And Floor Penetrations After Running Cables and Conduit. 8 8. A Pertion Of This Work Will Be Occurring In The Pith Of An Emergency Epress Noute. During All Press of This Project Shown Multi Be Materials Shall Be Rev Unless Of the Acception The Existing Control Fiber Math Actient Control Fiber Math Materials Shall Be Reverse From The Existing Community Affairs Required To Close Or Re direct An Egress Route. Mark Bear Provide Prove Difference Proved From The Department Of Community Affairs Required To Close Or Re direct An Egress Route. 9 PARTIAL SYMBOLS & ABBREVIATIONS 9 <	GEN	IERAL N	OTES					5	
2. New 11/4 [™] Fiber Conduit To Be Concealed Whenever Possible With Junction Boxes At All Transition and Blooks. Health Kon Metallic Tubing Indiced Of Conduit is Acceptable Where Pathway is Located in Concealed Locations. 6 3. All Work Shall Be Done In Accordance With Industry Construction Codes, Standards, And Other Agencies Insamp Juncdicton. 7 4. Conduit Routing Where Shown Are Diagrammatic. Contractor To Field Verify Routing Fiber With Existing Conditions. 7 5. All Work And Materials Shall Be New Unless Otherwise Noted. 7 6. Contractor Shall Be Reponsible To Sheeve Wall And Floor Penetrations Prior To Running Cable And Conduit For All Code Runs Noted in Plans. 7 7. Contractor To Firestop Wall And Floor Penetrations Alter Running Cables And Conduit. 8 8. A Portion Of This Work Will Be Occurring in The Path Of An Emergency Egress Route. During All Phases Of This Project, A Protected Emergency Egress Route Must Be Mainland Through Each Affected Emergency Egress Route. Allwain Retreet From The Building. Approval From The Department Of Community Affairs & Regured To Case Of Re-direct An Egress Route. 9 PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description 9 10 Yea New Fiber Pathway 10 11 Conduit Pipe Drop / Offset Doc on Through Station Cut Line Access Path Affair & Extended Through Floor Access Through Station Cut Line Access Through Station Cut Line Access Through Station Cut Line Access Route Main Control Panel 11 12 Yea New Fiber Routing Connect To Existing MDF / POE 11 13 <	1.	The Asso Equipme Installati	ociated Project Di ent And Devices; (ion (In Conjunctio	rawings Are Diagrammat Coordinate All Details Of n With The Project Speci	tic And Are No ^r Work As Requ fications).	t Intended To uired To Achie	Show The Location Of All ve A Complete Functional		
	2.	New 1-1 And Elbo In Conce	./4" Fiber Condui ows. Flexible No ealed Locations.	t To Be Concealed When n Metallic Tubing Instead	never Possible d Of Conduit Is	With Junctior Acceptable V	n Boxes At All Transitions Vhere Pathway Is Located	6	
	3.	All Work Having J	shall Be Done In urisdiction.	Accordance With Indust	ry Construction	n Codes, Stand	lards, And Other Agencies		
	4.	Conduit Conditio	Routing Where Sons.	nown Are Diagrammatic.	. Contractor To	Field Verify R	outing Fiber With Existing		
Conduit for Alche Kuns Noked on Plans. Conduit for Alche Kuns Noked on Plans. Conduit for Alche Kuns Noked on Plans. Conduit for Control Former Conduit for the Path Of An Emergency Egress Route. During All Phases Of This Project. A Protected Emergency Egress Route Must be Maintained Through Each Affected Emergency Egress Route, Allowing Retter Armon The Building. Approval from The Department Of Community Affairs Is Required To Close Or Re-direct An Egress Route. PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description Retter Affairs Is Required To Close Or Re-direct An Egress Route. PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description Retter Affairs Is Required To Close Or Re-direct An Egress Route. PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description Retter Affairs Is Required To Close Or Re-direct An Egress Route. PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description Retter Affairs Is Required To Close Or Re-direct An Egress Route. PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description Retter Affairs Is Required To Close Or Re-direct An Egress Route. PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description Retter Affairs Is Required To Close Or Re-direct An Egress Route. PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description Retter Affairs Is Required To Close Or Re-direct An Egress Route. PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description Retter Affairs Is Required To Close Or Re-direct An Egress Route. PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description Retter Affairs Is Required To Close Or Re-direct An Egress Route. PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description IT Retter Affairs Is Required To Close Or Re-direct An Egress Route. In Retter Affairs Is Required Connector Housing IT Rack Improve To Existing It Rack Improve To Existing It Rack Improve To Existing It Rack Improve To Existing It Rack Improve To Existing It Rack Improve To Existing It Retter Affairs It Retter Improve To Existing It Retter Improve To Ex	5. 6	All Work	And Materials Sh	onsible To Sleeve Wall	wise Noted.	petrations Drid	or To Running Cable And	7	
7. Contractor To Firestop Wall And Floor Penetrations After Running Cables And Conduit. 8. A Portion Of This Work Will Be Occurring in The Path Of An Emergency Egress Route. During All Phases Of This Project. A Protected Emergency Egress Route Musit Be Maintained Through Each Afflected Emergency Egress Route. Allowing Retract Prom The Building. Approval From The Department Of Community Affairs Is Required To Close Or Re-direct An Egress Route. 8 PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description 9 FARTIAL SYMBOLS & ABBREVIATIONS 9 Conduit Pipe Up Through Floor Above Or Through Section Cut Line Conduit Pipe Drino Uf Inton 9 Conduit Pipe Up Through Floor Above Or Through Section Cut Line Conduit Pipe Drino Uf Section Cut Line Conduit Pipe Drino Uf Section Cut Line Conduit Pipe Drino Uf Section Cut Line Conduct To Floor Pipe Into I for The Alarm Control Panel 9 Image: The Alarm Control Panel 9 9 9 Image: Wall Mounted Connector Housing 9 10 10 Image: Wall Mounted Connector Housing 11 11 12 Image: Wall Mounted Connector Housing 11 12 13 Image: Wall Mounted Connector Housing 13 13 14 Image: Wall Mounted Connector Housing 14 14 14 Image: Wall Mounted Connector Housing 14	0.	Conduit	For All Cable Runs	s Noted In Plans.	And Floor Fer		of to Running Cable And		
8. A Portion Of This Work Will Be Occurring in The Path Of An Emergency Egress Route. During All Phases Of This Freque, A Protected Emergency Egress Route. Maintained Through Each Affected Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department Of Community Affairs is Required To Close Or Re-direct An Egress Route. 9 PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description 9 Identifier Description Free Alarm Control Panel 9 Image: Conduit Pipe Up Through Floor Above Or Through Section Cut Life Conduit Pipe Drop / Offset Down PACE Fire Alarm Control Panel 9 Image: Fire Alarm Control Panel POE Point Of Entry MDF Main Distribution Frame 10 Image: Fire Alarm Control Panel Image: Fire Alarm Control Panel 10 11 11 Image: Fire Alarm Control Panel Image: Fire Alarm Control Panel 11 11 Image: Fire Alarm Control Panel Image: Fire Alarm Control Panel 12 Image: Fire Alarm Control Panel Image: Fire Alarm Control Panel 12 Image: Fire Alarm Control Panel Image: Fire Alarm Control Panel 12 Image: Fire Alarm Control Fiber	7.	Contract	tor To Firestop Wa	all And Floor Penetration	s After Runnin	g Cables And C	Conduit.		
PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description 9 New Fiber Pathway FACP Fire Alarm Control Panel 9 Conduit Pipe Up Through Floor Above OT Through Section Cut Line POE Point Of Entry 9 Down Conduit Pipe Drop / Offset Down MDF Main Distribution Frame 10 Image: Section Cut Line Poe Point Of Entry 10 Image: Section Cut Line Poe Point Of Entry 11 Image: Section Cut Line Image: Section Cut Line 10 11 Image: Section Cut Conduct To Existing Image: Section Cut Line 11 Image: Section Cut To Existing Image: Section Cut Conduct To Existing 11 Image: Section Cut To Existing Image: Section Cut Conduct To Existing 13 Image: Section Cut To Existing Image: Section Cut Conduct To Existing 13 Image: Section Cut To Existing Image: Section Cut Conduct To Existing 14 Image: Section Cut To Existing Image: Section Cut Conduct To Existing 14 Image: Section Cut To Existing Image: Section Cut Conduct To Existing 14 Image: Section Cut Conduct To Existing Image: Section Cut Conduct To Exis	8.	A Portio Of This Emerger Commu	n Of This Work W Project, A Prote ncy Egress Route nity Affairs Is Requ	(ill Be Occurring In The P cted Emergency Egress , Allowing Retreat From uired To Close Or Re-dire	ath Of An Eme Route Must I In The Building act An Egress Ro	ergency Egress Be Maintained . Approval F Dute.	Route. During All Phases d Through Each Affected rom The Department Of	8	
Identifier Description 9 New Fiber Pathway FACP Fire Alarm Control Panel 9 Conduit Pipe Up Through Section Cut Line POE Point Of Entry 9 MDF Main Distribution Frame 10 Image: Section Cut Line MDF Main Distribution Frame 10 Image: Section Cut Line Conduit Pipe Drop / Offset 10 11 Image: Section Cut Line Conduit Pipe Drop / Offset 11 11 Image: Section Cut Line Conduit Pipe Drop / Offset 11 11 Image: Section Cut Line Conduit Pipe Drop / Offset 11 11 Image: Section Cut Identification Tag Image: Section Cut Section	PAR	TIAL SY	MBOLS & ABBR	EVIATIONS					
New Fiber Pathway FACP Fire Alarm Control Panel Conduit Pipe Up Through Floor Above Or Through Section Cut Line Conduit Pipe Drop / Offset Down POE Point Of Entry MDF Main Distribution Frame 10 Image: Section Cut Line Conduit Pipe Drop / Offset MDF Main Distribution Frame Image: Section Cut Line Conduit Pipe Drop / Offset MDF Main Distribution Frame Image: Section Cut Line Connect To Existing 11 Image: Section Cut Line Connect To Existing 11 Image: Section Cut Line Connect To Existing 12 Image: Section Cut Line Computer Recommendation 13 Image: Section Cut Line Computer Recommendation 13 Image: Section Cut Line Computer Recommendation 14 Image: Section Cut Line Computer Recommendation 14 Image: Section Cut Line Computer Recommendation 14 Image: Section Cut Line Computer Recommendation 15 Image: Section Cut Line Computer Recommendation 14 Image: Section Cut Line Computer Recommendation 14 Image: Section Cut Line Computer Recommendation 15 Image: Section Cut Line Computer Recommendation 14 Image: Section Cut Line Computer Recommendation	Ider	ntifier	Description		Identifier	Description		9	
Conduit Pipe Up Through Section Cut Line POE Point Of Entry MDF Main Distribution Frame 10 IT Rack MDF Main Distribution Frame 10 IT Rack Photo Identification Tag 11 MDF / POE I1 11 MDF / POE I1 11 IT Rack In Track In Track MDF / POE I1 11 IT Rack In Track In Track MDF / POE I1 11 IT Rack In Track In Track In MDF / POE I1 In Track In MDF / POE In Track			New Fiber Pathw	/ay	FACP	Fire Alarm C	Control Panel		
Conduit Pipe Drop / Offset Down MDF Main Distribution Frame MDF Fire Alarm Control Panel MDF II MDF III	<u> </u>	0	Conduit Pipe Up Above Or Throu	Through Floor gh Section Cut Line	POE	Point Of Ent	ry		
Fire Alarm Control Panel 10 IT Rack It Rack It Repairs and the repairs and t		Ð	Conduit Pipe Dro Down	op / Offset	MDF	Main Distrik	oution Frame		
Wall Mounted Connector Housing IT Rack Photo Identification Tag Connect To Existing MDF / POE I1 Image: State of the state of	F.	ACP	Fire Alarm Contr	ol Panel				10	
IT Rack Photo Identification Tag Connect To Existing 11 MDF / POE 11 Image: Connect To Existing 12 Image: Connect To Existing 13 Image: Connect To Existing 13 Image: Connect To Existing 13 Image: Connect To Existing 14 Image: Connect To Exist Divertified Divert	V	VCH	Wall Mounted C	onnector Housing					
Connect To Existing MDF / POE	R	ACK	IT Rack						
MDF / POE 11 Image: State of the second by the s			Photo Identificat	ing					
TERNINGTON RD FENNINGTON RD FENNINGTON RD FENNINGTON RD FENNINGTON RD FENNINGTON RD FENNINGTON RD FENNING GREEN N GREEN			MDF / POE	ing				11	
The NITERIOR FIBER ROUTING CAMPUS KEY NO. The NITERIOR FIBER ROUTING CAMPUS KEY NO. THE NITERIOR FIBER ROUTING CAMPUS KEY NO. THE ALARM CAMPUS CONTING CONTINUES CO									
13 Image: state sta				PENNINGTON RD				12	
tle NTERIOR FIBER ROUTING OSCOE HALL & PHYSICS BUILDING IRE ALARM Tale S SHOWN AM by Checked by date S SHOWN AM Checked by Checked						ALL LA	I		
tle NTERIOR FIBER ROUTING COSCOE HALL & PHYSICS BUILDING IRE ALARM Tale S SHOWN AM SG 05/03/2020								13	
Image: state									
tle NTERIOR FIBER ROUTING COSCOE HALL & PHYSICS BUILDING IRE ALARM Tale S SHOWN AM SG Checked by date 05/03/2020 date			ել(GREEN LN	-		14	
TRE ALARM AM SG 05/03/2020 date 05/03/2020 date 05/03/2020				CAMPL	JS KEY				
cale drawn by checked by date S SHOWN AM SG 05/03/2020	^{tle} NTE ROS(IRF	RIOR F COE HA	IBER ROUTING	G BUILDING		dwg. no.	FA028		
	cale S SHC	DWN	drawn by c AM S	hecked by date G 05/03/202	0		and Drossister / Anton	. 20-	

Μ	N	0	P

Ρ			Q	R	S
	KEY	NOTES	(SYMBOLS 1), (2), ETC.)	

		Q	R		S	Т			
KEY	NOTES	(SYMBOLS (1),②, ETC.)						
KEYI	NOTES 1	THRU 5 ARE REPE	ATED ON ALL INTERIC	DR FIBER ROUTING	DRAWINGS				
1a.	Core Dri Sealed A Sheets A	ll Foundation Wa s Per G005. Coor nd TCNJ IT Depar	ll For New Conduit Po dinate Final Point Of I tment.	int Of Entry. Wall Entry Location And	Penetration Sl I Conduit Qua	hall Be Sleeved And ntity With FA005 - FA008			
1b.	Location Of Existing Empty Conduits. Provide New Fiber And Innerduct.								
10.	Termina	tion Points.	ity Available At MDF.	coordinate with	TCNJ TI Depar	tment for specific			
2.	Route Fil And Fibe	ber Pathway As P er Labeling As Per	er G003 From Point C Specs.)f Entry To Main D	istribution Fra	me. Provide Slack Loop	2		
3.	Termina Frame R	te Fiber Within N ack. Coordinate L	ew Cabinet Connecto abeling Terminations	r Housing Located With TCNJ IT Depa	Within Existir artment.	ng Main Distribution			
4.	Route Fil Frame Ca Fire Alar	Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cabinet Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.							
5.	New Wa The Fire	ll Mounted Conn Alarm Control Pa	ector Housing (WCH) nel. Coordinate Final	As Per Detail G003 Location With TC	3 / 06 Located NJ IT.	As Close As Possible To	3		
6.	Route Fiber Conduit Above Hard Ceiling.								
7. o	Route Fi	ber Pathway Abo	ve Drop Ceiling Where	e Possible. minata Eibar Withi	in Now Cable	Connector Housing Within			
o. 9.	New Wa Final Loc Route Ex	II Mounted Cabin ation With Existin	net. Coordinate Label ng Field Conditions Ar	ing Terminations d TCNJ IT Departr	With TCNJ IT nent. The Building T	Department. Coordinate	4		
-	24"W x Interior S	30"H x 18"D Pul Space In The Mec	lbox. Route From Th hanical Room.	e Pullbox Up The	Exterior Of T	he Building And Into The			
10.	Contract Include I	or To Remove A Entire Stamped H	nd Replace Existing H ardscape And Damage	lardscape To Prov ed Sidewall Sectio	vide Access Fo ns	r New Conduit. This Shall			
							5		
GEN	NERAL N	OTES							
1.	The Asso Equipme Installati	ociated Project D ent And Devices; on (In Conjunctio	rawings Are Diagram Coordinate All Details n With The Project Sp	matic And Are No s Of Work As Requ pecifications).	t Intended To uired To Achie	Show The Location Of All ve A Complete Functional			
2.	New 1-1 And Elbo In Conce	/4" Fiber Condui ows. Flexible No aled Locations.	t To Be Concealed W n Metallic Tubing Ins	/henever Possible tead Of Conduit Is	With Junctio Acceptable \	n Boxes At All Transitions Where Pathway Is Located	6		
3.	All Work Having J	Shall Be Done In urisdiction.	Accordance With Ind	lustry Construction	n Codes, Stand	dards, And Other Agencies			
4.	Conduit Conditio	Routing Where S ns.	hown Are Diagramma	atic. Contractor To	Field Verify R	outing Fiber With Existing	7		
5.	All Work	And Materials Sl	nall Be New Unless Ot	herwise Noted.					
6.	Contract Conduit	or Shall Be Resp For All Cable Run	oonsible To Sleeve W s Noted In Plans.	/all And Floor Pei	netrations Pri	or To Running Cable And			
7.	Contract	or To Firestop W	all And Floor Penetrat	tions After Runnin	g Cables And (Conduit.			
8.	A Portio Of This Emerger Commur	n Of This Work W Project, A Prote ncy Egress Route nity Affairs Is Req	/ill Be Occurring In Th cted Emergency Egr , Allowing Retreat F uired To Close Or Re-o	ne Path Of An Eme ess Route Must rom The Building direct An Egress Re	ergency Egress Be Maintaine . Approval F oute.	Route. During All Phases d Through Each Affected From The Department Of	8		
DΔF									
Ider	ntifier	Description		Identifier	Description		9		
<u>iuci</u>		New Fiber Pathv	vay	FACP	Fire Alarm (- Control Panel			
,	o	Conduit Pipe Up Above Or Throu	Through Floor gh Section Cut Line	POE	Point Of En	try			
	Ð	Conduit Pipe Dro	op / Offset	MDF	Main Distril	oution Frame			
F	ACP	Fire Alarm Contr	ol Panel				10		
L.	WCH	Wall Mounted C	onnector Housing						
R	ACK	IT Rack							
(A	Photo Identifica	tion Tag						
		MDF / POE	ing				11		
			PENNINGTON RD				12		
							13		
		μ		An A. T					
					F				
			1	GREEN LN			14		
			<u>CA</u>	MPUS KEY	·				
^{title} INTE SPIR	RIOR FI	IBER ROUTIN	G CIAL SCIENCE		dwg. no.	ϜΔΛϽϤ			
FIRE		drawn by c AM	hecked by date	2020	—				
			- 05/05/	_~	C onfidential	and Proprietary / ©DLB Associate	es 2019		

	Q	R		S	Т	Γ
KEY NOTES	(SYMBOLS (1),②, ETC.)				
KEYNOTES 1	THRU 5 ARE REPE	ATED ON ALL INTERIC	R FIBER ROUTING	i DRAWINGS		1
1a. Core Dr Sealed / Sheets /	ill Foundation Wa As Per G005. Coor And TCNJ IT Depai	ll For New Conduit Po dinate Final Point Of E tment.	int Of Entry. Wall Entry Location And	Penetration Sh I Conduit Quar	all Be Sleeved And htity With FA005 - FA008	
1b. Location	n Of Existing Empt	y Conduits. Provide N	ew Fiber And Inne	erduct.		
1c. Existing Termina	Spare Fiber Capae ation Points.	city Available At MDF.	Coordinate With	TCNJ IT Depart	ment For Specific	
2. Route F And Fib	iber Pathway As P er Labeling As Per	er G003 From Point O Specs.	f Entry To Main D	istribution Fra	me. Provide Slack Loop	2
3. Termina Frame F	ate Fiber Within N Rack. Coordinate L	ew Cabinet Connecto abeling Terminations	r Housing Located With TCNJ IT Depa	Within Existin artment.	g Main Distribution	
4. Route F Frame (iber Pathway As P Cabinet Connector	er G003 Containing 12 Housing To Wall Mou	2/12 Hybrid Fire A Inted Connector F	larm Fiber Fro lousing (WCH)	m Main Distribution Located Adiacent To The	
Fire Ala 5. New Wa	rm Control Panel. all Mounted Conn	ector Housing (WCH)	As Per Detail G003	3 / 06 Located	As Close As Possible To	3
The Fire	e Alarm Control Pa iber Conduit Aboy	nel. Coordinate Final e Hard Ceiling.	Location With TC	NJ IT.		
7. Route F	iber Pathway Abo	ve Drop Ceiling Where	e Possible.			
3. Provide New W	12" Deep Wall M all Mounted Cabi	ounted Cabinet. Tern net. Coordinate Label	ninate Fiber Withi ing Terminations	n New Cable (With TCNJ IT	Connector Housing Within Department. Coordinate	
). Route E	xterior Fiber From	Underground Condu	it Up The Side Of	The Building T	o Enclosed Weatherproof	4
Interior	Space In The Mec	hanical Room.		ide Access To	r New Conduit. This Shall	
Include	Entire Stamped H	ardscape And Damage	ed Sidewall Section	ns	r New Conduit. This Shall	
						5
SENERAL N	IOTES]
. The Ass Equipm	sociated Project D ent And Devices;	rawings Are Diagramr Coordinate All Details	matic And Are No Of Work As Requ	t Intended To vired To Achie	Show The Location Of All ve A Complete Functional	
Installat	tion (In Conjunctic	n With The Project Sp	ecifications).			6
And Elb	1/4" Fiber Condu pows. Flexible No ealed Locations	n Metallic Tubing Inst	tead Of Conduit Is	Acceptable V	Vhere Pathway Is Located	
. All Wor	k Shall Be Done In	Accordance With Ind	ustry Construction	n Codes, Stand	ards, And Other Agencies	
Having . Conduit	Jurisdiction.	hown Are Diagramma	tic Contractor To	Field Verify R	outing Fiber With Existing	
Conditio	ons.					7
. All Wor	k And Materials Sl	nall Be New Unless Ot	herwise Noted.	otrotiono Dui	To Dupping Coble And	
Conduit	t For All Cable Run	s Noted In Plans.	all And Floor Per	ietrations Pric	or to Running Cable And	
. Contrac	tor To Firestop W	all And Floor Penetrat	ions After Runnin	g Cables And C	conduit.	8
. A Portic Of This Emerge Commu	on Of This Work W Project, A Protency ncy Egress Routen Inity Affairs Is Req	/ill Be Occurring In Th octed Emergency Egre , Allowing Retreat Fi uired To Close Or Re-c	e Path Of An Eme ess Route Must rom The Building direct An Egress Ro	ergency Egress Be Maintained . Approval F pute.	Route. During All Phases d Through Each Affected rom The Department Of	
PARTIAL SY	MBOLS & ABBR	EVIATIONS	_			-
dentifier	Description		Identifier	Description		9
{	New Fiber Pathy	vay	FACP	Fire Alarm C	Control Panel	
<u> o</u>	Conduit Pipe Up Above Or Throu	Through Floor gh Section Cut Line	POE	Point Of Ent	ry	
 ə	Conduit Pipe Dr Down	op / Offset	MDF	Main Distrik	oution Frame	
FACP	Fire Alarm Conti	ol Panel				10
WCH	Wall Mounted C	Connector Housing				
	IT Rack					
	Photo Identifica	tion lag				
	MDF / POE	ung				11
		PENNINGTON RD				
						11
				H C A	1	
				The ful		
				TT.		13
	g		*			
		G		FP		╞
			GDEENIN	7		1 /
		CA	MPUS KEY			-4
				dwg. no.		╞
I ERIOR F PIRITUAL RE ALARN	HER ROUTIN CENTER & SO ∕I	G CIAL SCIENCE			FA029	
le SHOWN	drawn by G AM S	hecked by date G 05/03/2	2020			
				Confidential	and Proprietary / ©DLB Associate	es 201

project
TCNJ - CAMPUS FIRE ALARM PROJECT
PART A - CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
FW/ING NI 08618

Last Saved: N:\47\472\47211 - TCNJ Campus Fire Alarm\010 Cable Infrastructure Upgrade\47211 - 11 - FA030.dwg, 10/3/19 at 2:34 PM By SGOWERS - Last Printed: 5/4/20 at 5:22 PM By Gowers, Scot

Μ	Ν	0	Р		Q	R	
				KEY N	NOTES (SYMBOLS (1),②, ETC.)	

Existing Conditions Within STEM Building Corridors. Route Fiber Pathway As Close To The Top Of Ceiling As Possible.

	1						1	
		Q		R		5	Т	
KEY	NOTES	(SYMBOLS	1,2, ETC.)					
KEYI 1a.	NOTES 1 ⁻ Core Dril Sealed A Sheets A	THRU 7 ARE RE Il Foundation V s Per G005. Co nd TCNJ IT Dep	PEATED ON ALL Vall For New Co ordinate Final P partment.	INTERIOR FIB nduit Point Of Point Of Entry	ER ROUTING I Entry. Wall P Location And	DRAWINGS enetration Sh Conduit Quar	nall Be Sleeved And ntity With FA005 - FA008	1
1b.	Location	Of Existing Em	pty Conduits. P	rovide New Fi	ber And Inner	duct.		
1c.	Existing S Termina	Spare Fiber Cap tion Points.	oacity Available	At MDF. Coor	dinate With T	CNJ IT Depart	ment For Specific	
2.	Route Fil And Fibe	ber Pathway As er Labeling As P	s Per G003 Fron er Specs.	n Point Of Entr	ry To Main Dis	tribution Fra	me. Provide Slack Loop	2
3.	Termina	te Fiber Within	New Cabinet C	onnector Hou	sing Located V	Within Existin	g Main Distribution	
4	Frame Ra	ack. Coordinate	e Labeling Term	inations With	TCNJ IT Depai Hybrid Fire Ala	rtment. arm Fiber Fro	m Main Distribution	
5	Frame Ca Fire Alar	abinet Connect m Control Pane	or Housing To V	Wall Mounted	Connector Ho	ousing (WCH)	Located Adjacent To The	2
5.	The Fire	Alarm Control	Panel. Coordina	ate Final Locat	ion With TCN	I IT.		
6.	Core Dri Down To Fiber Jur Details C	II All Floor Pene Existing Rack I npers Installed On Sheet G005.	etrations To Rou In Security Roor Later By FMS C	ite Fiber From n 002. Install (ontractor. All	First Floor M Conduit To FA Floor Penetra	DF To The Fir CP From Secu tions To Be La	rst Floor IDF Room. Route urity Room 002. Individual abeled Per Spec And	
7.	Route Fil	ber Pathway Al	oove Drop Ceilir	ng Where Poss	sible And Drop	Down Into S	ecurity Room.	
8.	Coordina Existing I Cable. T Un-Splice Cluster 4 Access A	ate With TCNJ I Fiber Cable Fro wo (2) New 36 ed, One Cable (And Cluster 6 t Each Cluster	T Department F m Cromwell To /36 Fiber Cable Connecting Clus Each Cable To POE Along The	For Cable Rem Each Townho s Are To Enter ter 5 And Clus Be Continuou Way.	oval For This (use Cluster Ar The Complex ster 7 And The is To The Last	Complex. The nd To Replace Through The Other Cable POE In The Re	e Intent Is To Remove The With A Higher Capacity POE In Cluster 5 And Run Connecting Cluster 3, oute With Mid-span	4
9.	Provide Point Of Fire Alar Remain (Fiber Mid-span Entry Room. S m Control Pane Contiguous; Th	Splice Access A plice Shall Be 1 el Is Located. Fi ey Shall Not Be	t Each Cluster 2/12 At Cluste ber Counts Th Broken And R	With Sufficie r 3, 4, 6 and 7 at Do Not Ter e-Splice	nt Slack (min And 24/24 A minate At Th	imum 30 feet) In Each t Cluster 5 Where The le Access Location Shall	5
GEN		OTES						
1.	The Asso Equipme Installati	ociated Project ent And Devices on (In Conjunc	Drawings Are I s; Coordinate A tion With The P	Diagrammatic Il Details Of W roject Specific	And Are Not Vork As Requi ations).	Intended To red To Achiev	Show The Location Of All ve A Complete Functional	6
2.	New 1-1 And Elbo In Conce	/4" Fiber Conc ows. Flexible I aled Locations.	luit To Be Cond Non Metallic Tu	cealed Whene bing Instead (over Possible N Of Conduit Is	With Junctior Acceptable W	n Boxes At All Transitions Vhere Pathway Is Located	
3.	All Work Having J	Shall Be Done urisdiction.	In Accordance	With Industry	Construction	Codes, Stand	ards, And Other Agencies	7
4.	Conduit Conditio	Routing Where ns.	e Shown Are Dia	agrammatic. C	ontractor To I	Field Verify R	outing Fiber With Existing	
5.	All Work	And Materials	Shall Be New L	Inless Otherwi	ise Noted.			
6.	Contract Conduit	or Shall Be Re For All Cable R	esponsible To S uns Noted In Pla	ileeve Wall Ai ans.	nd Floor Pene	etrations Pric	or To Running Cable And	8
7. 8.	A Portio	n Of This Work	Will Be Occurr	ing In The Pat	h Of An Fmer	gency Egress	Route, During All Phases	
0.	Of This Emerger Commur	Project, A Pro cy Egress Rou nity Affairs Is Re	otected Emerge Ite, Allowing R equired To Clos	ency Egress R etreat From ⁻ e Or Re-direct	oute Must B The Building. An Egress Rou	e Maintained Approval Fi ute.	d Through Each Affected rom The Department Of	
PAF	RTIAL SY	MBOLS & ABE	BREVIATIONS					9
Iden	ntifier	Description			Identifier	Description		
<u>ــــــ</u>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	New Fiber Pat	hway		FACP	Fire Alarm C	Control Panel	
<u> </u>	o	Conduit Pipe Above Or Thre	Jp Through Floo ough Section Cu	or It Line	POE	Point Of Ent	ry	
	Ð	Conduit Pipe I Down	Drop / Offset		MDF	Main Distrib	oution Frame	10
F,	ACP	Fire Alarm Co	ntrol Panel					
V	WCH	Wall Mounted	d Connector Ho	using				
R.	ACK	IF Rack	cation Tag					
	$\mathbf{\hat{e}}$	Connect To Ex	kisting					11
		MDF / POE						
			PENNINGTON RD					12
								13
		Ĩ			GREEN LN			14
				CAMPUS	KEY N			
title INTE STFN	RIOR FI	BER ROUTI	NG VN HOUSE F	AST		dwg. no.		$\left[\right]$
FIRE	ALARN	drawn by	checked by	date		_	rausu	
AS SHO	OWN	ÂM	SG	05/03/2020		Confidential	and Proprietary / ©DLB Associate	es 2019

		Q	R		S	Т	
KEY	NOTES	(SYMBOLS (1), (2), ETC.)				
KEYI	NOTES 1	THRU 7 ARE REP	EATED ON ALL INTERIOR I	FIBER ROUTING	DRAWINGS		
1a.	Core Dri Sealed A Sheets A	ll Foundation Wa s Per G005. Coo and TCNJ IT Depa	all For New Conduit Point rdinate Final Point Of Ent artment.	Of Entry. Wall I ry Location And	Penetration Sł I Conduit Quai	nall Be Sleeved And ntity With FA005 - FA008	
1b. 1c	Location	Of Existing Emp	ty Conduits. Provide New	Fiber And Inne	rduct. TCNLIT Depart	tment For Specific	
10.	Termina	tion Points.	acity Available At MDF. Co	ordinate with		iment for specific	
2.	Route Fil And Fibe	ber Pathway As er Labeling As Pe	Per G003 From Point Of E r Specs.	ntry To Main Di	istribution Fra	me. Provide Slack Loop	2
3.	Termina Frame R	te Fiber Within I ack. Coordinate	New Cabinet Connector H Labeling Terminations Wi	ousing Located th TCNJ IT Depa	Within Existin artment.	g Main Distribution	
4.	Route Fil Frame Ca Fire Alar	ber Pathway AS abinet Connecto m Control Panel	Per G003 Containing 12/1 r Housing To Wall Mount	.2 Hybrid Fire A ed Connector H	larm Fiber Fro Iousing (WCH)	m Main Distribution Located Adjacent To The	
5.	New Wa The Fire	ll Mounted Coni Alarm Control P	nector Housing (WCH) As anel. Coordinate Final Loc	Per Detail G003 cation With TCN	8 / 06 Located NJ IT.	As Close As Possible To	3
6.	Core Dri Down To Fiber Jur Details C	ll All Floor Penet Existing Rack In Mpers Installed L On Sheet G005.	rations To Route Fiber Fro Security Room 002. Insta ater By FMS Contractor. A	om First Floor M Ill Conduit To FA All Floor Penetra	IDF To The Fi ACP From Secu ations To Be Li	rst Floor IDF Room. Route urity Room 002. Individual abeled Per Spec And	
7.	Route Fi	ber Pathway Abo	ove Drop Ceiling Where P	ossible And Dro	p Down Into S	Security Room.	
8.	Coordina Existing Cable. T Un-Splice Cluster 4 Access A	ate With TCNJ IT Fiber Cable From wo (2) New 36/3 ed, One Cable Co And Cluster 6. At Each Cluster P	Department For Cable Re o Cromwell To Each Town 36 Fiber Cables Are To Ent onnecting Cluster 5 And C Each Cable To Be Continu OE Along The Way.	emoval For This house Cluster A ter The Complex luster 7 And The lous To The Last	Complex. The and To Replace x Through The e Other Cable t POE In The R	e Intent Is To Remove The e With A Higher Capacity e POE In Cluster 5 And Run Connecting Cluster 3, oute With Mid-span	4
9.	Provide Point Of Fire Alar Remain	Fiber Mid-span S Entry Room. Sp m Control Panel Contiguous; The	Splice Access At Each Clust lice Shall Be 12/12 At Clust Is Located. Fiber Counts y Shall Not Be Broken Anc	ter With Sufficie ster 3, 4, 6 and 3 That Do Not Te d Re-Splice	ent Slack (min 7 And 24/24 A erminate At Th	imum 30 feet) In Each at Cluster 5 Where The ae Access Location Shall	5
GEN		OTES					
						Cham. The Law	-
1.	The Asso Equipme Installati	ociated Project I ent And Devices; ion (In Conjuncti	Drawings Are Diagramma Coordinate All Details Of on With The Project Spec	tic And Are Not f Work As Requ ifications).	t Intended To Jired To Achie	Show The Location Of All ve A Complete Functional	6
2.	New 1-1 And Elbo In Conce	./4" Fiber Condu ows. Flexible N ealed Locations.	uit To Be Concealed Whe on Metallic Tubing Instea	never Possible d Of Conduit Is	With Junction Acceptable V	n Boxes At All Transitions Vhere Pathway Is Located	
3.	All Work Having J	Shall Be Done I urisdiction.	n Accordance With Indust	try Constructior	n Codes, Stanc	lards, And Other Agencies	7
4. 5.	Conditio Conditio	And Materials S	Shall Be New Unless Other	rwise Noted.	Field Verify R	outing Fiber with Existing	
6.	Contract Conduit	or Shall Be Res For All Cable Ru	ponsible To Sleeve Wall ns Noted In Plans.	And Floor Per	netrations Prio	or To Running Cable And	8
7.	Contract	tor To Firestop V	Vall And Floor Penetration	ns After Running	g Cables And C	Conduit.	
8.	A Portio Of This Emerger Commun	n Of This Work V Project, A Prot ncy Egress Rout nity Affairs Is Red	Will Be Occurring In The F ected Emergency Egress e, Allowing Retreat Fron quired To Close Or Re-dire	Path Of An Eme Route Must E n The Building. ect An Egress Rc	rgency Egress Be Maintaineo . Approval F oute.	Route. During All Phases d Through Each Affected rom The Department Of	
PAF	RTIAL SY	MBOLS & ABBI	REVIATIONS				9
Ider	ntifier	Description		Identifier	Description		
—	`	New Fiber Path	way	FACP	Fire Alarm (Control Panel	
	0	Conduit Pipe U Above Or Thro	p Through Floor ugh Section Cut Line	POE	Point Of Ent	try	
	Ð	Conduit Pipe D Down	rop / Offset	MDF	Main Distrik	oution Frame	10
F	ACP	Fire Alarm Con	trol Panel				
	WCH	Wall Mounted	Connector Housing				
R (IT Rack Photo Identifica	ation Tag				
	•	Connect To Exi	sting				11
		MDF / POE					
			PENNINGTON RD				12
		5 5 5 5					13
				Un no V			
	GREEN LN 11						
			CAMP	US KEY			
title INTE STCN					dwg. no.		
	ALARN					FAU3U	
scale AS SHO	OWN	arawn by AM	спескей by date SG 05/03/202	20	Confidential	and Proprietary / ©DIB Associate	2019

GREEN LN
CAMPUS KEY
title INTERIOR FIBER ROUTING STEM BUILDING & TOWN HOUSE EAST FIRE ALARM

project
TCNJ - CAMPUS FIRE ALARM PROJECT
PART A - CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618

<image/> <section-header></section-header>	MECHANICAL ROOM

_										
Р					R		S	T		
	KEYNO	165 (5	rivibuls	(1),(2), EN)					
	KEYNOTE 1a. Core Seal	S 1 THRU Drill Fou ed As Per	5 ARE RE Indation V G005. Co	PEATED ON Vall For New ordinate Fin	ALL INTERIOR Conduit Poin al Point Of En	FIBER ROUTING t Of Entry. Wall try Location An	G DRAWINGS Penetration d Conduit Qu	S Shall Be Sleeved A Jantity With FA005	nd - FA008	1
	Shee 1b. Loca	ets And T tion Of E	CNJ IT Dep xisting Em	partment.	s. Provide Nev	v Fiber And Inn	erduct.			
	1c. Exist	ing Spare	e Fiber Cap	bacity Availa	ble At MDF. C	oordinate With	TCNJ IT Dep	artment For Specif	ic	
	2. Rout	te Fiber P	athway As	s Per G003 Fi	rom Point Of I	Entry To Main D)istribution F	rame. Provide Slac	k Loop	2
	And 3. Tern	Fiber Lak ninate Fil	oeling As P Der Within	er Specs.	et Connector F	Housing Located	d Within Mai	n Distribution Fram	ne Rack.	
	Coor	rdinate La	abeling Te	rminations V	Vith TCNJ IT D	epartment.	Narm Fibor F	rom Main Dictribut	tion	
	4. Kour Fran Fire	ne Cabine Alarm Co	et Connect ntrol Pane	or Housing T el.	ontaining 12/ To Wall Moun	ted Connector I	Housing (WC	H) Located Adjacer	nt To The	
	5. New The	[,] Wall Mo Fire Aları	unted Cor n Control	nnector Hou Panel. Coord	sing (WCH) As linate Final Lo	Per Detail G00 ecation With TC	3 / 06 Locate NJ IT.	ed As Close As Poss	ible To	3
	6. New Parti	Fiber To itions.	Parallel E	xisting IT Pat	hway Up Thro	ough Attic And I	Down To FAC	CP. Firestop All Wal	l / Ceiling	
	7. Coor Exist Cabl Thrc With	rdinate W Ting Fiber e. Town ough The n Mid-spa	/ith TCNJ I Cable Fro nouse Sou POE In Clu in Access /	T Departmer m Cromwell th And Towr Ister 9 Or Clu At Each POE	nt For Cable R To Each Towr nhouse West S uster 2. Each G Along The Wa	emoval For This nhouse Cluster A Shall Each Recei Cable To Be Cor ay.	s Complex. 1 And To Repla ive A New 48 ntinuous To ⁻	The Intent Is To Rer ace With A Higher (B/48 Fiber Cables Er The Last POE In Eac	nove The Capacity ntering ch Cluster	4
	8. Prov Poin Whe Acce	ride Fiber t Of Entr ere Each ess Locati	Mid-span y Room. S Of The Fir on Shall R	n Splice Acce Splice Shall E Te Alarm Cor emain Contig	ss At Each Clu Be 12/12 At Cl Itrol Panel Is guous; They S	uster With Suff luster 2, 8 and Located. Fiber hall Not Be Brol	icient Slack (10 And 24/2 Counts Tha ken And Re-S	(minimum 30 feet 4 At Cluster 1 And t Do Not Termina Splice.) In Each Cluster 9 te At The	
	9. Conc Ceilir Wall	eal New (ngs In The s And Ceil	Conduit / El Office Area ings Disturl	NT Within Fin a. No Condui bed To Their (ished Walls And t Shall Be Route Driginal Conditi	d Ceilings. Install ed Exposed In Th on.	l Cable In ENT e Office Area.	Concealed Behind Sl Contractor Shall Re	heetrock store The	5
	GENERA		5							
	1. The	Associate	ed Project	Drawings A	re Diagramma	atic And Are No	ot Intended 1	To Show The Locat	ion Of All	
	Equi Insta	pment A allation (I	nd Device	s; Coordinat	e All Details C e Project Spec	of Work As Req	uired To Ach	ieve A Complete F	unctional	6
	And In Co	Elbows.	Flexible I Locations	Non Metallic	Tubing Instead	ad Of Conduit I	s Acceptable	e Where Pathway I	s Located	
	3. All V Havi	Vork Shal ng Jurisd	l Be Done iction.	In Accordan	ce With Indus	stry Constructio	on Codes, Sta	ndards, And Other	Agencies	
	4. Cono Cono	duit Rout ditions.	ing Where	e Shown Are	Diagrammati	c. Contractor To	o Field Verify	Routing Fiber Wit	h Existing	7
	5. All V	Vork And	Materials	Shall Be Nev	w Unless Othe	erwise Noted.				
	6. Cont Cont	tractor S duit For A	nall Be Re Il Cable Ri	esponsible T uns Noted In	o Sleeve Wal Plans.	I And Floor Pe	netrations P	Prior To Running C	able And	
	7. Cont	tractor To) Firestop	Wall And Flo	or Penetratio	ns After Runnir	ng Cables And	d Conduit.		8
	8. A Pc Of T Eme Com	ortion Of This Proje rgency E Imunity A	This Work ect, A Pro gress Rou ffairs Is Re	Will Be Occ otected Eme ote, Allowing equired To C	urring In The rgency Egres g Retreat Fro lose Or Re-dir	Path Of An Emo s Route Must m The Building rect An Egress R	ergency Egre Be Maintair g. Approval oute.	ess Route. During A ned Through Each From The Depart	All Phases Affected tment Of	
	PARTIAI	SYMBC	OLS & ABE	BREVIATION	١S					a
	Identifie	r Des	cription			Identifier	Descripti	on		
		- — → Nev	· Fiber Pat	hway		FACP	Fire Alarn	n Control Panel		
	~	Con Abc	duit Pipe I ve Or Thro	Up Through ough Sectior	Floor Cut Line	POE	Point Of E	Entry		
	€5	Con Dov	duit Pipe l /n	Drop / Offset	t	MDF	Main Dist	ribution Frame		10
	FACP	Fire	Alarm Co	ntrol Panel						
	WCH	Wal	l Mounteo	d Connector	Housing					
	RACK	IT R Pho	ack to Identifi	cation Tag						
		Con	nect To Ex	kisting						11
		MD	F / POE							
										12
								AL		13
					CAMI	GREEN LN	(]]			14
	title						dwg. ı	no.		
ADES	INTERIO TOWNH FIRE ALA	R FIBEF OUSE S RM	ROUTI OUTH 8	NG & TOWNH	OUSE WES	ST		FA03	1	
	AS SHOWN	AM	 y	SG	05/03/20	20	Confident	ial and Proprietary / (î		\$ 2020

		Q		R		S	Т	
KEY	NOTES	(SYMBOLS (1),②, ETC.)					
(EYN	NOTES 1	THRU 5 ARE REPE	ATED ON ALL	INTERIOR FIE	BER ROUTING	DRAWINGS		
La.	Core Dr Sealed A Sheets A	ill Foundation Wal As Per G005. Coord And TCNJ IT Depar	l For New Cor dinate Final P tment.	nduit Point O oint Of Entry	f Entry. Wall F Location And	Penetration Sh Conduit Quar	all Be Sleeved And htity With FA005 - FA008	1
lb.	Locatio	n Of Existing Empty	y Conduits. Pr	ovide New Fi	ber And Inne	rduct.		
lc.	Existing Termina	Spare Fiber Capac ation Points.	ity Available	At MDF. Coor	dinate With T	ГСNJ IT Depart	ment For Specific	
2.	Route F And Fib	iber Pathway As Pe er Labeling As Per	er G003 From Specs.	Point Of Ent	ry To Main Di	stribution Frai	me. Provide Slack Loop	2
3.	Termina Coordir	ate Fiber Within Ne	ew Cabinet Co inations With	onnector Hou TCNJ IT Dep	using Located artment.	Within Main [Distribution Frame Rack.	
1.	Route F Frame (Fire Ala	iber Pathway As Pe Cabinet Connector rm Control Panel.	er G003 Cont Housing To V	aining 12/12 Vall Mounted	Hybrid Fire Al Connector H	larm Fiber Fro ousing (WCH)	m Main Distribution Located Adjacent To The	
5.	New Wa The Fire	all Mounted Conne e Alarm Control Pa	ector Housing nel. Coordina	; (WCH) As Pe te Final Locat	r Detail G003 tion With TCN	/ 06 Located / IJ IT.	As Close As Possible To	3
5.	New Fik Partitio	per To Parallel Exist ns.	ting IT Pathwa	ay Up Throug	h Attic And D	own To FACP.	Firestop All Wall / Ceiling	
7.	Coordir Existing Cable. Througl With M	nate With TCNJ IT E Fiber Cable From Townhouse South h The POE In Cluste id-span Access At I	Department F Cromwell To And Townhou er 9 Or Cluste Each POE Alo	or Cable Rem Each Townho use West Sha r 2. Each Cab ng The Way.	oval For This buse Cluster A Il Each Receiv ble To Be Cont	Complex. The nd To Replace e A New 48/4 tinuous To The	e Intent Is To Remove The With A Higher Capacity 8 Fiber Cables Entering e Last POE In Each Cluster	4
3.	Provide Fiber Mid-span Splice Access At Each Cluster With Sufficient Slack (minimum 30 feet) In Each Point Of Entry Room. Splice Shall Be 12/12 At Cluster 2, 8 and 10 And 24/24 At Cluster 1 And Cluster 9 Where Each Of The Fire Alarm Control Panel Is Located. Fiber Counts That Do Not Terminate At The Access Location Shall Remain Contiguous; They Shall Not Be Broken And Re-Splice.							
).	Conceal Ceilings Walls Ar	New Conduit / ENT In The Office Area. I nd Ceilings Disturbed	Within Finishe No Conduit Sha I To Their Origi	d Walls And Ce all Be Routed E inal Condition.	eilings. Install (Exposed In The	Cable In ENT Co Office Area. Co	oncealed Behind Sheetrock ontractor Shall Restore The	5
GEN		IOTES						
L.	The Ass Equipm Installat	sociated Project Dr ent And Devices; (tion (In Conjunction	rawings Are E Coordinate Al n With The Pi	Diagrammatic I Details Of V roject Specific	And Are Not Vork As Requ cations).	Intended To Fired To Achiev	Show The Location Of All ve A Complete Functional	6
2.	New 1- And Elb In Conc	1/4" Fiber Conduit oows. Flexible Nor ealed Locations.	t To Be Conc n Metallic Tu	ealed Whene bing Instead	ever Possible Of Conduit Is	With Junctior Acceptable W	n Boxes At All Transitions Vhere Pathway Is Located	0
3.	All Wor Having	k Shall Be Done In Jurisdiction.	Accordance	With Industry	Construction	Codes, Stand	ards, And Other Agencies	7
5.	Conditio	k And Materials Sh	all Be New U	nless Otherw	ise Noted.			,
5.	Contrac Conduit	tor Shall Be Resp For All Cable Runs	onsible To S s Noted In Pla	leeve Wall A ins.	nd Floor Pen	netrations Pric	or To Running Cable And	
7.	Contrac	tor To Firestop Wa	all And Floor I	Penetrations	After Running	g Cables And C	onduit.	8
3.	A Portio Of This Emerge	on Of This Work W Project, A Protect ncy Egress Route,	'ill Be Occurri cted Emerge , Allowing Re	ng In The Pat ncy Egress F etreat From	th Of An Eme Coute Must E The Building.	rgency Egress Be Maintainec Approval Fi	Route. During All Phases I Through Each Affected rom The Department Of	
	Commu	inity Analis is requ			All Egress NC	Jule.		
PAR	TIAL SY	MBOLS & ABBRI	EVIATIONS					9
den	tifier	Description			<u>Identifier</u>	Description		
	`	New Fiber Pathw	/ау		FACP	Fire Alarm C	control Panel	
(D D	Conduit Pipe Up Above Or Throug Conduit Pipe Dro	Through Floc gh Section Cu op / Offset	or t Line	POE MDF	Point Of Ent Main Distrib	ry oution Frame	10
F/	КСР	Fire Alarm Contr	ol Panel					
	СН	Wall Mounted C	onnector Hou	using				
		Photo Identificat	ion Tag					
- (D	Connect To Exist	ing					11
		MDF / POE						
			PENNINGTON RD					12
								13
					GREEN LN			14
				CAMPUS	KEY N			
E TE DW RE	RIOR F NHOU ALARN	TIBER ROUTING JSE SOUTH & T	G OWNHOU	JSE WEST		dwg. no.	FA031	
le SHC	WN	drawn by cl AM S	hecked by G	date 05/03/2020		Confidential		- 2020

^{title} INTERIOR F TOWNHOU FIRE ALARN	IBER ROUTI SE SOUTH 8 A	NG & TOWNHOU	JSE WEST
scale AS SHOWN	drawn by AM	checked by SG	date 05/03/2020

project
TCNJ - CAMPUS FIRE ALARM PROJECT
PART A - CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
FWING NL 08618

Μ	N O P	Q	R	S	Т	
		KEY NOTES (SYM	BOLS (1), (2), ETC.)			-
		KEYNOTES 1 THRU 5	ARE REPEATED ON ALL INTERIOR	R FIBER ROUTING DRAWINGS	Shall Be Sleeved And	1
		Sealed As Per GO Sheets And TCNJ	005. Coordinate Final Point Of En I IT Department.	itry Location And Conduit Qua	antity With FA005 - FA008	
		1b. Location Of Exist	ing Empty Conduits. Provide Nev	w Fiber And Innerduct.		
		1c. Existing Spare Fil Termination Poin	ber Capacity Available At MDF. C nts.	Coordinate With TCNJ IT Depa	rtment For Specific	
		2. Route Fiber Path And Fiber Labelin	way As Per G003 From Point Of ng As Per Specs.	Entry To Main Distribution Fra	ame. Provide Slack Loop	2
		3. Terminate Fiber Frame Back Coo	Within New Cabinet Connector I	Housing Located Within Existi	ng Main Distribution	
		4. Route Fiber Path	way As Per G003 Containing 12/	12 Hybrid Fire Alarm Fiber Fr	om Main Distribution	
		Frame Cabinet C Fire Alarm Contr	onnector Housing To Wall Moun ol Panel.	ited Connector Housing (WCF	I) Located Adjacent To The	
		5. New Wall Mount The Fire Alarm C	ted Connector Housing (WCH) As Control Panel. Coordinate Final Lo	s Per Detail G003 / 06 Located ocation With TCNJ IT.	As Close As Possible To	3
		6. Provide 12" Dee New Wall Moun	p Wall Mounted Cabinet. Termi Ited Cabinet. Coordinate Labelin	nate Fiber Within New Cable ng Terminations With TCNJ IT	Connector Housing Within Department. Coordinate	
		Final Location W	ith Existing Field Conditions And	TCNJ IT Department. ber From Point Of Entry V	vithin Basement To Main	
		Distribution Frar Within Basemen	me (MDF) Within Attic. Route Fi .t. All Floor Penetrations To Be La	rom MDF In Attic To Wall Mo abeled Per Spec And Details O	ounted Connector Housing In Sheet G005.	
		8. Provide 30" Dee New Wall Moun	p Wall Mounted Cabinet. Termi Ited Cabinet. Coordinate Labelir	nate Fiber Within New Cable ng Terminations With TCNJ IT	Connector Housing Within Department. Coordinate	4
		Final Location W	ith Existing Field Conditions And	TCNJ IT Department.	Within 30" Deen Cabinet	
		Circuit Shall Be F #12G In 3/4" Cor	Provided From Nearest Electrica nduit With A 20 Amp, 120V Singl	l Distribution Panel With Ava e Phase Circuit Breaker.	ilable Space Utilizing 2#12,	
J. Contraction						
RE ALARM CONTROL PANEL ire Alarm Control Panel						
		GENERAL NOTES				
		1. The Associated I Equipment And	Project Drawings Are Diagramm Devices; Coordinate All Details (atic And Are Not Intended To Of Work As Required To Achie	o Show The Location Of All eve A Complete Functional	6
		Installation (In Co	onjunction With The Project Spe	cifications).		
		2. New 1-1/4" Fibe And Elbows. Fle	er Conduit To Be Concealed Wh exible Non Metallic Tubing Inste	enever Possible With Junctic ead Of Conduit Is Acceptable	Where Pathway Is Located	
		In Concealed Loc	cations.	stry Construction Codes Stan	dards And Other Agencies	
		Having Jurisdictio	on.	stry construction codes, stan	uarus, And Other Agencies	7
		4. Conduit Routing Conditions.	Where Shown Are Diagrammati	ic. Contractor To Field Verify	Routing Fiber With Existing	
		5. All Work And Ma	aterials Shall Be New Unless Oth	erwise Noted.		
		6. Contractor Shall	Be Responsible To Sleeve Wa	ll And Floor Penetrations Pr	ior To Running Cable And	
		Conduit For All C	Cable Runs Noted In Plans.			8
		7. Contractor To Fi	restop Wall And Floor Penetratio	Path Of An Emergency Egres	Conduit.	
		Of This Project,	A Protected Emergency Egres	s Route Must Be Maintaine	ed Through Each Affected	<u> </u>
		Community Affa	irs Is Required To Close Or Re-di	rect An Egress Route.	From the Department Of	
		PARTIAL SYMBOLS	& ABBREVIATIONS			9
		Identifier Descrip	otion	Identifier Descriptio	<u>n</u>	
		≀ New Fil	ber Pathway	FACP Fire Alarm	Control Panel	
		∠O Condui Above	t Pipe Up Through Floor Or Through Section Cut Line	POE Point Of Er	ntry	
OWER FAILURE	En En	کے کے Condui Down	t Pipe Drop / Offset	MDF Main Distri	ibution Frame	10
Long hone Lake .		FACP Fire Ala	arm Control Panel			
			Iounted Connector Housing			
		A Photo I	dentification Tag			
		- Connec	ct To Existing			11
		MDF / I	POE			
			PENNINGTON RD			
						117
RE ALARM CONTROL PANEL						
ire Alarm Control Panel						
						13
				DA no Toma		
				GREEN LN		14
			<u>CA</u> M			
	project	title		dwg. no).	
	TCNJ - CAMPUS FIRE ALARM PROJECT PART A - CABLE INFRASTRUCTURE UPGRADES	INTERIOR FIBER R TRAVERS WOLFE,	OUTING T/W GARAGE, & TRENTC	ON HALL	FVU32	
	2000 PENNINGTON ROAD, EWING NJ, 08618	Scale drawn by	checked by date	120		
		AS SHOWN AM	05/03/20 05/03/20	Confidentia	l and Proprietary / ©DLB Associate	s 2020

project	tit
TCNJ - CAMPUS FIRE ALARM PROJECT	IN
PART A - CABLE INFRASTRUCTURE UPGRADES	T
2000 PENNINGTON ROAD,	F
EWING NJ, 08618	SC

^{title} INTERIOR F TRAVERS W FIRE ALARN	TIBER ROUTI VOLFE, T/W	NG GARAGE, & ⁻	TRENTON HALL
scale	drawn by	checked by	date
AS SHOWN	AM	SG	05/03/2020