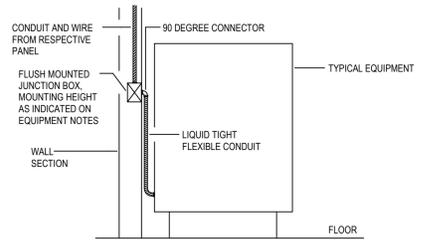


IF THE COMMUNICATIONS CONDUIT FORMS A COMPLETE RACEWAY SYSTEM, NO BONDING CONDUCTOR IS REQUIRED. IF THE COMMUNICATIONS CONDUIT IS USED AS A VERTICAL RACEWAY ONLY, PROVIDE A #12 COPPER BOND FROM AN ADJACENT ELECTRICAL BOX.

NOTE: WHERE FEED IS CONCEALED, NMD90 IS TO BE USED. FOR EXPOSED FEEDS USE AC90.

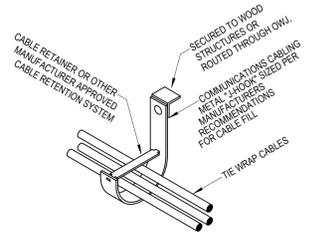
1 DETAIL-GENERIC FIXTURE DROP
E-5 SCALE: N.T.S.

2 POWER & COMMUNICATIONS OUTLET BOX SUPPORT
E-5 SCALE: N.T.S.

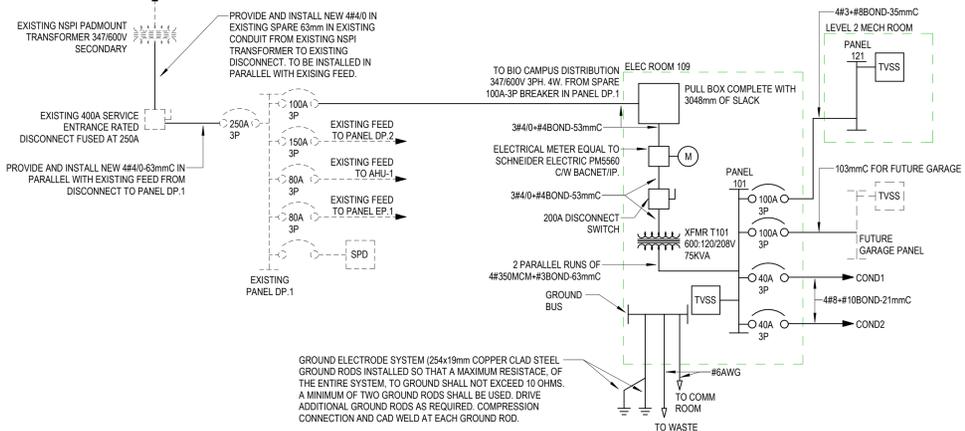


3 DETAIL - TYPICAL DIRECT CONNECTION
E-5 SCALE: N.T.S.

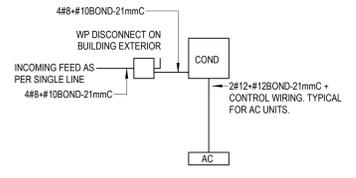
*J-HOOKS ARE TO BE SPACED 90mm CENTRE TO CENTRE (MAXIMUM).



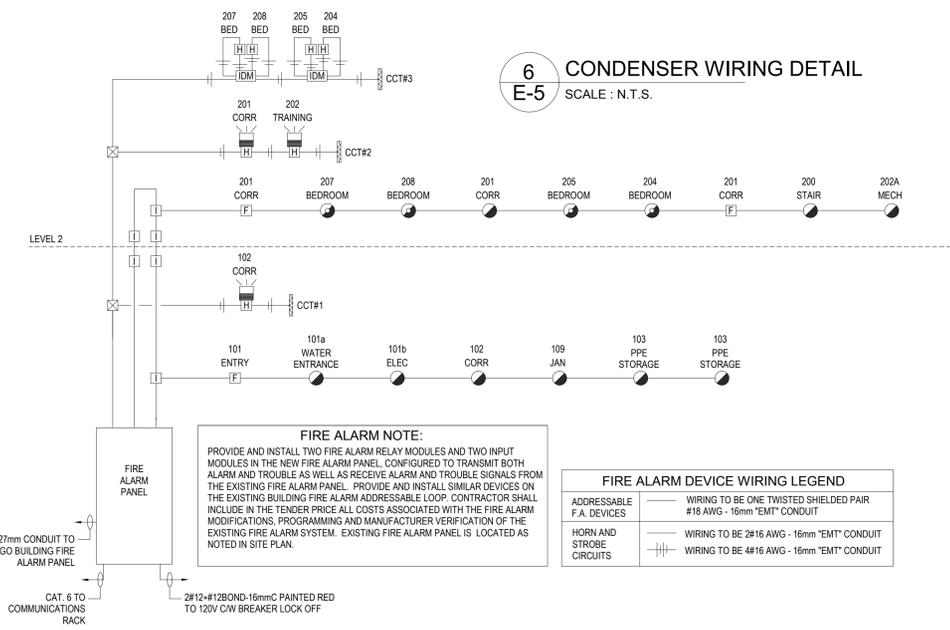
5 DETAIL - COMMUNICATIONS CABLE SUPPORT SYSTEM
E-5 SCALE: N.T.S.



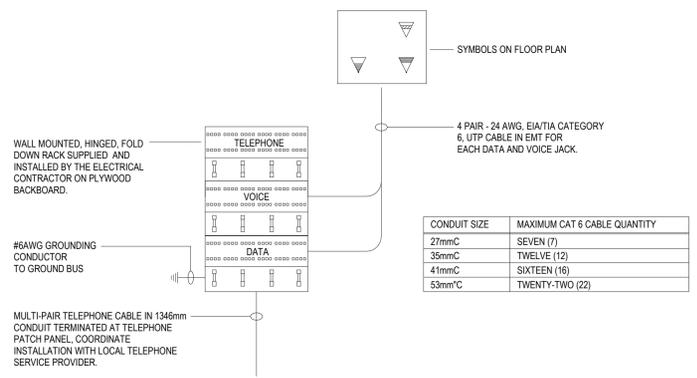
4 SINGLE LINE DIAGRAM
E-5 SCALE: N.T.S.



6 CONDENSER WIRING DETAIL
E-5 SCALE: N.T.S.



7 RISER - FIRE ALARM
E-5 SCALE: N.T.S.



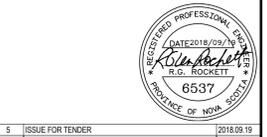
8 DETAIL - COMMUNICATIONS RACK
E-5 SCALE: N.T.S.

Panel: 101		Location: ELEC. 109		Type: EATON CAT. NO. P1aL4A4-60		Rating: 400 A 120/208 Wye 3Ph. 4W		Mounting Surface		Feeder REFER TO SINGLE LINE		Frame BAB	
No.	Rati...	Poles	Description	A	B	C	Description	Poles	Rati...	No.			
1	100 A	3	PANEL 121	12750...	0 VA		Spare for future Garage	3	100 A	2			
3	--	--	--	--	14332...	0 VA	--	--	--	4			
5	--	--	--	--			--	--	--	6			
7	40 A	3	COND1	2150 VA	2150 VA		COND2	3	40 A	8			
9	--	--	--	--	2150 VA	2150 VA	--	--	--	10			
11	--	--	--	--			--	--	--	12			
13	20 A	1	RECPT. OFFICE	800 VA	243 VA		CORR/STAIR LIGHTING	1	20 A	14			
15	15 A	1	RECPT. OFFICE		800 VA	1815 VA	LEVEL 1 GENERAL LIGHTING	1	20 A	16			
17	15 A	1	RECPT. OFFICE			200 VA	EXTERIOR LIGHTING	1	20 A	18			
19	15 A	1	RECPT. TV TRAINING ROOM	200 VA	216 VA		EXIT LIGHTING (LOCKABLE BREAKER)	1	20 A	20			
21	20 A	1	EXHAUST HOOD FAN		200 VA	800 VA	RECPT. GP 102, 106, 107, 109	1	15 A	22			
23	20 A	1	RECPT. TRAINING RM. DISHWASHER			200 VA	TRAP PRIMERS	1	15 A	24			
25	20 A	1	RECPT. TRAINING ROOM COUNTER	200 VA	1000 VA		RECPT. TRAINING ROOM	1	15 A	26			
27	20 A	1	RECPT. LEVEL 1 WASHROOM 105		200 VA	200 VA	RECPT. TRAINING ROOM COUNTER	1	20 A	28			
29	20 A	1	RECPT. LEVEL 1 SOUTH EXTERIOR			200 VA	RECPT. LEVEL 1 WASHROOM 108	1	20 A	30			
31	20 A	1	RECPT. TRAINING ROOM	800 VA	200 VA		RECPT. LEVEL 1 EAST EXTERIOR	1	20 A	32			
33	20 A	1	RECPT. WASHING MACHINE		200 VA	1500 VA	RECPT. DRYER	2	30 A	34			
35	20 A	1	RECPT. TRAINING ROOM FRIDGE			200 VA	--	--	--	36			
37	20 A	1	RECPT. TRAINING ROOM COUNTER	200 VA	200 VA		RECPT. TRAINING ROOM COUNTER	1	20 A	38			
39	20 A	1	EF-1, EF-2		190 VA	600 VA	RECPT. GP 101, 103	1	15 A	40			
41	50 A	2	RECPT. TRAINING ROOM STOVE		0 VA	3750 VA	LEVEL 1 ELECTRIC HEAT	2	50 A	42			
43	--	--	--	--			--	--	--	44			
45	20 A	2	AC UNITS LEVEL 1		200 VA	0 VA	Spare	1	15 A	46			
47	--	--	--	--			Spare	1	15 A	48			
49	20 A	1	Spare	0 VA	0 VA		Spare	1	20 A	50			
51	20 A	1	Spare		0 VA	0 VA	Spare	1	15 A	52			
53	20 A	1	Spare			0 VA	Spare	1	15 A	54			
55	20 A	1	Spare	0 VA	0 VA		Spare	1	15 A	56			
57	20 A	1	Spare		0 VA	0 VA	Spare	1	15 A	58			
59	20 A	1	Spare			0 VA	Spare	1	20 A	60			

Panel: 121		Location: SERVICE 202A		Type: EATON CAT. NO. P1aL4A2-42		Rating: 225 A 120/208 Wye 3Ph. 4W		Mounting Surface		Feeder REFER TO SINGLE LINE		Frame BAB	
No.	Rati...	Poles	Description	A	B	C	Description	Poles	Rati...	No.			
1	15 A	1	[AFCI] RECPT. BEDROOMS 205, 207	1200 VA	960 VA		LEVEL 2 GENERAL LIGHTING	1	20 A	2			
3	20 A	1	RECPT. LEVEL 2 WASHROOM	200 VA	800 VA		RECPT. RMS. 201, 202A	1	20 A	4			
5	15 A	1	RECPT. LIVING ROOM TV			400 VA	RECPT. LIVING ROOM COUNTER	1	20 A	6			
7	20 A	1	RECPT. LIVING ROOM COUNTER	400 VA	1200 VA		[AFCI] RECPT. BEDROOMS 204, 208	1	20 A	8			
9	35 A	2	HOT WATER TANK DHW1		2750 VA	800 VA	RECPT. LIVING ROOM	1	15 A	10			
11	--	--	--	--	2750 VA	2775 VA	LEVEL 2 ELECTRIC HEAT	2	40 A	12			
13	35 A	2	HOT WATER TANK DHW2	2750 VA	2775 VA		--	--	--	14			
15	--	--	--	--	2750 VA	3250 VA	LEVEL 2 ELECTRIC HEAT	2	40 A	16			
17	20 A	2	Receptacle			1200 VA	--	--	--	18			
19	--	--	--	--	0 VA	3500 VA	ERV-1 HEAT COILS	2	50 A	20			
21	20 A	2	ERV-1		282 VA	3500 VA	--	--	--	22			
23	--	--	--	--		282 VA	Spare	1	15 A	24			
25	20 A	1	Spare	0 VA	0 VA		Spare	1	20 A	26			
27	20 A	1	Spare		0 VA	0 VA	Spare	1	15 A	28			
29	20 A	1	Spare			0 VA	Spare	1	15 A	30			
31	20 A	1	Spare	0 VA		0 VA	Spare	1	15 A	32			
33	--	--	--	--			--	--	--	34			
35	--	--	--	--			--	--	--	36			
37	--	--	--	--			--	--	--	38			
39	--	--	--	--			--	--	--	40			
41	--	--	--	--			--	--	--	42			

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

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3	ISSUE FOR TENDER	2018.09.19
rev.		date
project	BIO SEARCH & RESCUE MARINA OPERATIONS BUILDING	
project	Dartmouth, Nova Scotia	
drawing	DETAILS	
designed RGR	conqu	
date	06/07/18	
drawn	TRP	dessiné
date	06/07/18	
approved RGR	approuvé	
date	06/07/18	
Tender	Soumission	
PWGSC Project Manager	Administrateur de projets TPSPGC	
project number	no. du projet	
	R.09002.001	
drawing no.	no. du dessin	
	E-5	