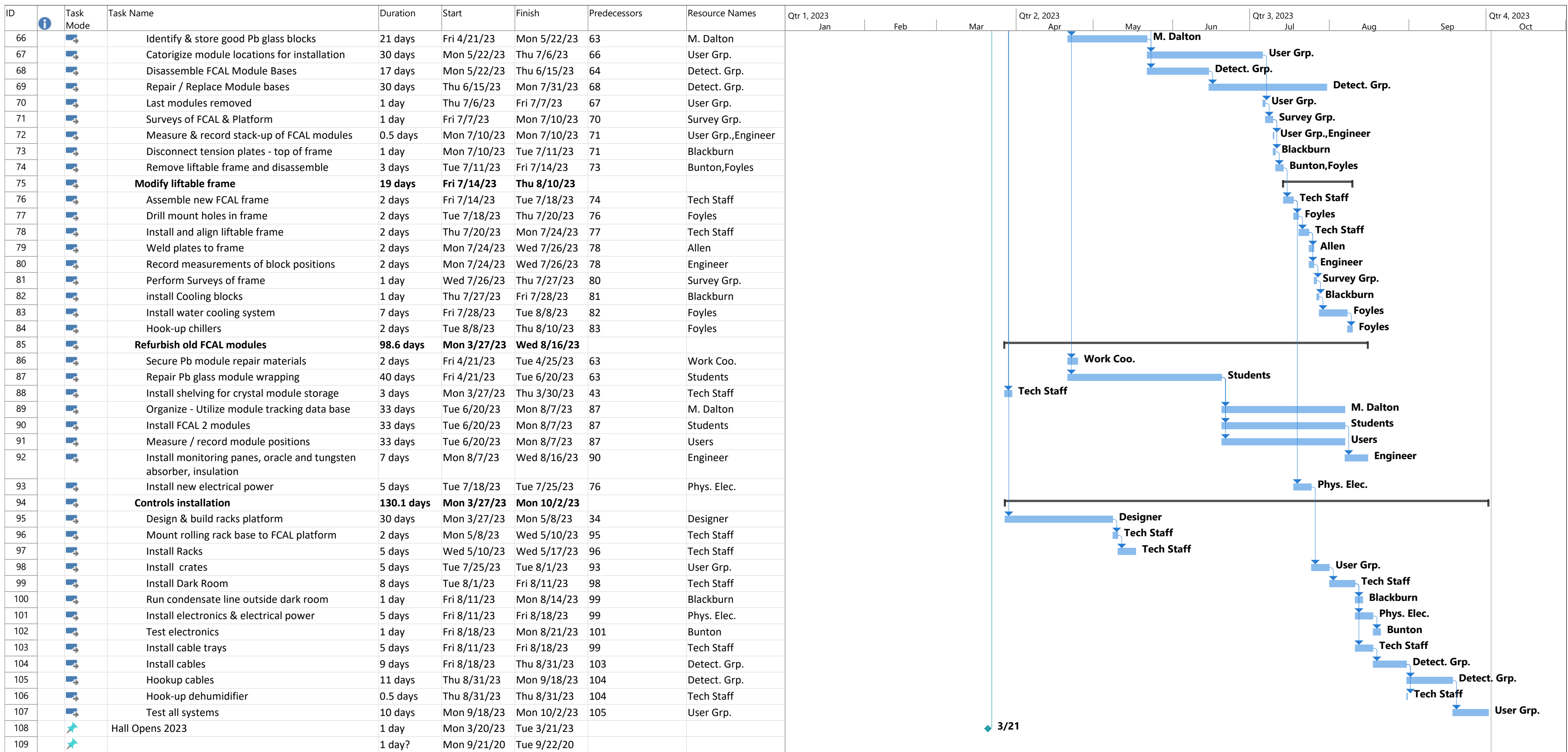


ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Qtr 1, 2023			Qtr 2, 2023			Qtr 3, 2023			Qtr 4, 2023
								Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1		Hall D Installation	771.8 days	Mon 9/21/20	Mon 10/2/23												
2		FCAL 2 Install	771.8 days	Mon 9/21/20	Mon 10/2/23												
3		Complete Design	403 days	Mon 9/21/20	Thu 4/7/22												
4		Final Design Review	7 days	Mon 9/21/20	Wed 9/30/20												
5		Check/correct 3D model	11 days	Wed 9/30/20	Thu 10/15/20	4											
6		Check/Correct Drawings	63 days	Mon 1/10/22	Thu 4/7/22	5FS+322 days											
7		Component Procurements	187 days	Mon 5/2/22	Mon 2/6/23												
8		Manifold	60 days	Mon 5/2/22	Thu 7/28/22	6											
9		Cooling Blocks	65 days	Mon 5/2/22	Thu 8/4/22	6											
10		Mounting brackets	35 days	Mon 5/2/22	Wed 6/22/22	6											
11		Plumbing hardware	30 days	Mon 5/2/22	Tue 6/14/22	6											
12		chillers	60 days	Mon 5/2/22	Thu 7/28/22	6											
13		dehumidifier	30 days	Mon 5/2/22	Tue 6/14/22	6											
14		structural hardware	65 days	Mon 5/2/22	Thu 8/4/22	6											
15		FCAL Detector - Stress tests	8 days	Mon 1/2/23	Thu 1/12/23												
16		Identify bad bases	3 days	Tue 1/3/23	Thu 1/5/23		M. Dalton										
17		I.D. & relabel cables for FCAL 2 Installations	4 days	Fri 1/6/23	Wed 1/11/23	16	Detect. Grp.										
18		De-Installation & Installation FCAL 2	1.2 days	Tue 3/21/23	Wed 3/22/23												
19		Open Hall for SAD	0.4 days	Tue 3/21/23	Tue 3/21/23	108	Crew Chief										
20		RadCon sweep of Hall	0.3 days	Tue 3/21/23	Tue 3/21/23	19	RADCON										
21		Down grade Hall D to RCA (NO TLD Required)	0.5 days	Tue 3/21/23	Wed 3/22/23	20	Work Co.										
22		Secure Manlift (Sunbelt Rental)	0.5 days	Tue 3/21/23	Wed 3/22/23	19	Work Co.										
23		Separate FCAL Platform	4 days	Tue 3/21/23	Mon 3/27/23												
24		Check & clear area around FCAL platform	0.1 days	Tue 3/21/23	Wed 3/22/23	20	Work Co.										
25		Gather tools & equip. For platform move	0.3 days	Wed 3/22/23	Wed 3/22/23	24	Foyles										
26		Conduct survey / establish detector baseline in current position	2 days	Wed 3/22/23	Fri 3/24/23	25	Survey Grp.										
27		Secure & position man-lifts for separation	0.1 days	Fri 3/24/23	Fri 3/24/23	26	Work Co.										
28		Remove Tie plates from structure	0.4 days	Fri 3/24/23	Fri 3/24/23	27	Foyles										
29		Raise platform feet & clear roller track	0.2 days	Fri 3/24/23	Fri 3/24/23	27	Blackburn										
30		Attach chain-fall to platform - East end	0.1 days	Fri 3/24/23	Fri 3/24/23	27	Allen										
31		Safety meeting & walk-down of job	0.1 days	Wed 3/22/23	Wed 3/22/23	25	Tech Staff										
32		Position personal look-outs around platform	0.1 days	Fri 3/24/23	Fri 3/24/23	30	Work Co.										
33		Perform separation of FCAL platform	0.3 days	Fri 3/24/23	Fri 3/24/23	32	Tech Staff										
34		Conduct survey / establish detector baseline in current position	1 day	Fri 3/24/23	Mon 3/27/23	33	Survey Grp.										
35		Remove TOF	4.3 days	Tue 3/21/23	Mon 3/27/23												
36		Power off - TOF	0.1 days	Tue 3/21/23	Tue 3/21/23	19	Users										
37		Clear Hall floor area to place TOF (SW corner)	0.5 days	Tue 3/21/23	Wed 3/22/23	36	Blackburn										
38		Set-up base to mount TOF	0.3 days	Wed 3/22/23	Wed 3/22/23	37	Foyles										
39		De-cable TOF	2 days	Tue 3/21/23	Thu 3/23/23	36	Detect. Grp.										
40		Obtain TOF lift plan & review	0.1 days	Tue 3/21/23	Tue 3/21/23	36	Foyles										
41		Lift plan safety briefing	0.2 days	Thu 3/23/23	Thu 3/23/23	39	Tech Staff										
42		Crane TOF to Floor	0.5 days	Thu 3/23/23	Fri 3/24/23	41	Bunton										
43		Secure TOF to wall space	1 day	Fri 3/24/23	Mon 3/27/23	42	Foyles										
44		Position lifts for FCAL disassembly	0.2 days	Mon 3/27/23	Mon 3/27/23	43	Tech Staff										
45		Move & position ladders onto FCAL platform	0.5 days	Mon 3/27/23	Mon 3/27/23	43	Allen										
46		Disassemble Dark room	9.1 days	Mon 3/27/23	Mon 4/10/23												
47		Remove exterior panels	0.5 days	Mon 3/27/23	Tue 3/28/23	45	Foyles,Allen										
48		Disconnect remove door electronics	0.5 days	Tue 3/28/23	Tue 3/28/23	47	Bunton										
49		Release door frame structure for craning	1 day	Fri 4/7/23	Mon 4/10/23	58	Foyles,Bunton										
50		Drill out floor rivets	0.3 days	Tue 3/28/23	Tue 3/28/23	47	Allen										
51		Remove floor panels for cable access	0.1 days	Tue 3/28/23	Tue 3/28/23	50	Allen										
52		Pull back cable bundles	5 days	Tue 3/28/23	Tue 4/4/23	51	Detect. Grp.										
53		Disassemble FCAL 2	86.1 days	Mon 3/27/23	Mon 7/31/23												
54		Disconnect platform power	2 days	Mon 3/27/23	Wed 3/29/23	45	Phys. Elec.										
55		Shut down VESDA	0.1 days	Wed 3/29/23	Thu 3/30/23	54	Fire Safety										
56		Remove VESDA piping	1 day	Thu 3/30/23	Fri 3/31/23	55	Fire Safety										
57		Remove acrylic panels from FCAL	1 day	Fri 3/31/23	Mon 4/3/23	56	Tech Staff										
58		De-cable FCAL modules	5 days	Fri 3/31/23	Fri 4/7/23	56	Students										
59		Surveys of FCAL & Platform	1 day	Fri 4/7/23	Mon 4/10/23	58	Survey Grp.										
60		Measure & record stack-up of FCAL modules	0.5 days	Mon 4/10/23	Mon 4/10/23	59	Tech Staff										
61		Remove cable bundles & stow (Top of Racks)	4 days	Fri 4/7/23	Thu 4/13/23	58	Students										
62		Remove Dark Room / Cable trays	2 days	Mon 4/10/23	Wed 4/12/23	60	Tech Staff										
63		Bar code I.D. of modules	10 days	Fri 4/7/23	Fri 4/21/23	58	Molte										
64		Identify Bad & Broken Pb glass blocks	21 days	Fri 4/21/23	Mon 5/22/23	63	User Grp.										
65		Check optical clarity of cookies	21 days	Mon 5/22/23	Thu 6/22/23	64	Somov										

Project: FCAL2_Installation_v2_S
Date: Wed 11/16/22

Task		Summary		Inactive Milestone		Duration-only		Start-only		External Milestone		Manual Progress
Split		Project Summary		Inactive Summary		Manual Summary Rollup		Finish-only		Deadline		
Milestone		Inactive Task		Manual Task		Manual Summary		External Tasks		Progress		



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