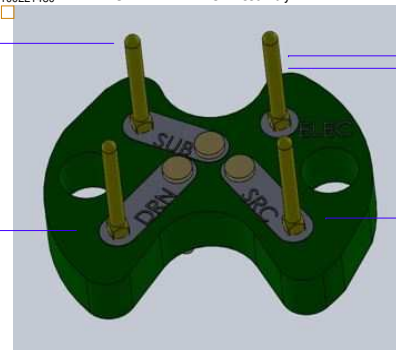


 Monterey Bay Aquarium Research Institute 7700 Sandholdt Road, Moss Landing, CA 95039		Schematic Name: GDF_Wire_Harness			
		Page Title: 1_OVERALL ASSEMBLY DRAWING			Engineer: Gene Manton
		Project Name: Chemical Sensors	Group Name: ChemicalSensors		Designer: Jim Montgomery
		System: Chemical Sensors	Subsystem: GDF pH Stem		Last Updated By: magne
Drawing Number: 10022 1659		Release: A	Version: 21	Status: Active	Size: B
Page Modify Date: Friday, July 22, 2022		Check in Date: 7/22/2022 9:27:37 AM		Sheet 1 of 6	

WIRE	CUT LENGTH	STRIP LENGTH
	"L"	
1A	14.25"	0.125"
2A	14.25"	0.125"
3A	14.25"	0.125"
4A	14.25"	0.125"
5A	3.75"	0.20"
6A	3.0"	0.4"
1B	2.5"	0.11"
2B	2.5"	0.11"
3B	4"	*0.5"
4B	2.5"	0.11"
5B	2.5"	0.11"
6B	0" NOT USED	0" NOT USED
PELLET	0.65"	0.11"

ASSY2
100221480

ISFET INTERFACE Assembly

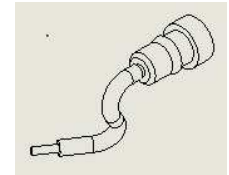


ASSY1
100221688

ELECTRODE/PELLET

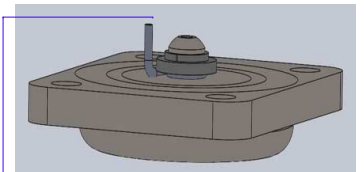
W1 M16878/6BGE-6
WEICO 2330 HOOK UP WIRE
MIL-SPEC TYPE ET
BLUE 30AWG TEFLON

VLPelletContact



BACK COVER PLATE

ASSY3
100221684



2 WRAPS AROUND SCREW
*WIRE 3B WILL BE STRIPPED AND TINNED

CP1 CC81L-2426-01-L
CP2 CC81L-2426-01-L
CP3 CC81L-2426-01-L
CP4 CC81L-2426-01-L

1
1
1
1

J2
031-70261

1

ST1
F221B3/32BK100

SHRINK TUBE
OVER WIRES
1A, 2A, 3A, AND 4A
CUT LENGTH = 11"

COAX LENGTH TO BOTTOM OF STEM
IS 12.0"

WHITE
RED
GREEN
BLACK
BLUE
ORANGE

1A 1B
2A 2B
3A 3B
4A 4B
5A 5B
6A 6B

J1
PAVE 5535

WHITE DRAIN
RED SUBSTRATE
GREEN COUNTER ELECTRODE
BLACK SOURCE
BLUE ELECTRODE/PELLET

NOTE: CUT ORANGE WIRE TO
LESS THAN 0.125"

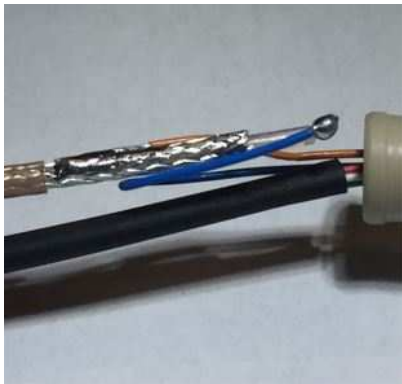
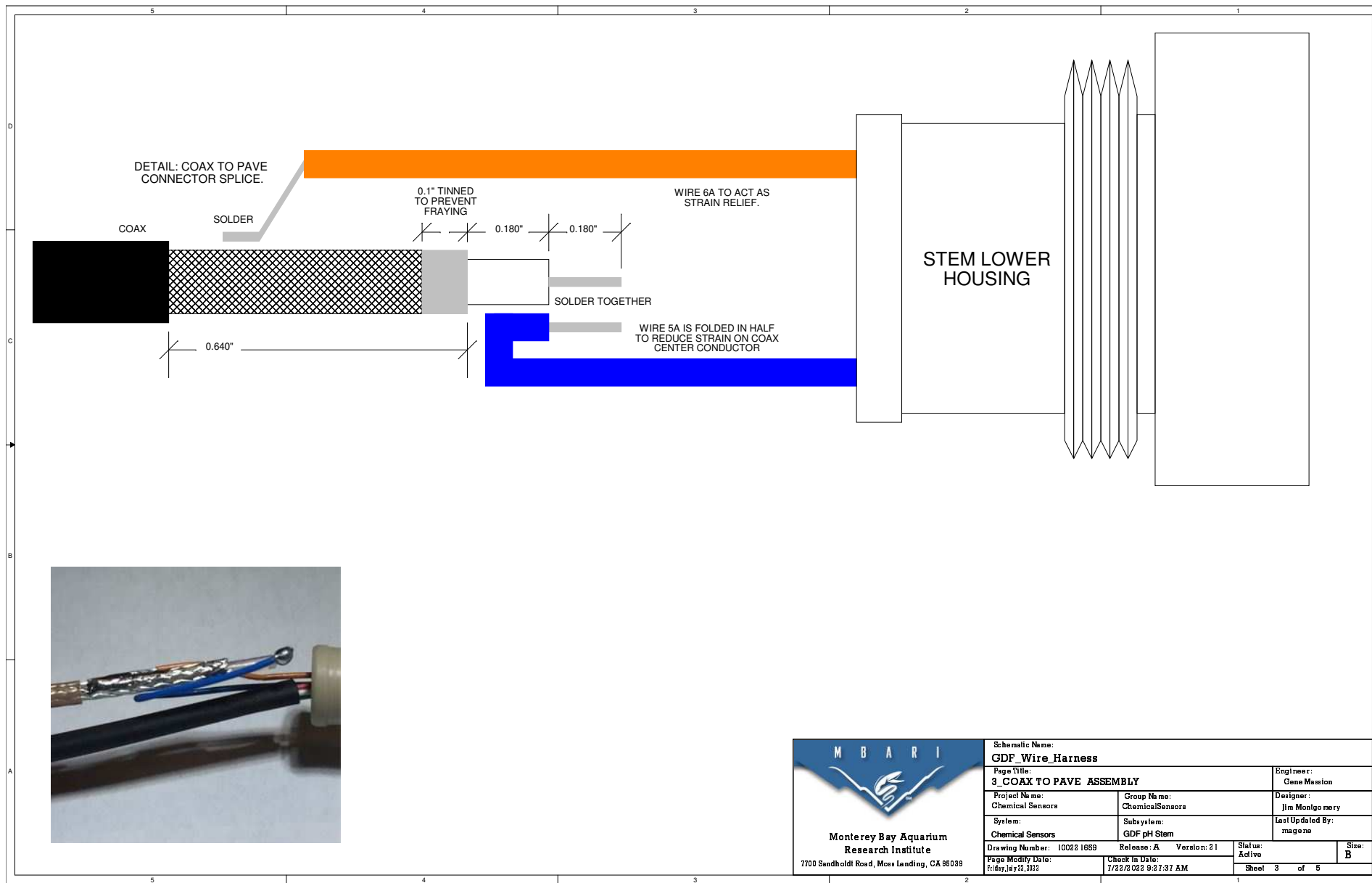
SEE COAX TO PAVE
ASSEMBLY DRAWING
FOR DETAILS ON
COAX SPLICE

NOTE: DOT SHOWS
SOLDER CONNECTION

NOTE:
1) INSTALL SAMTEC AND AMPHENOL CO-AXIAL
CONNECTOR PER MANUFACTURER INSTRUCTIONS.



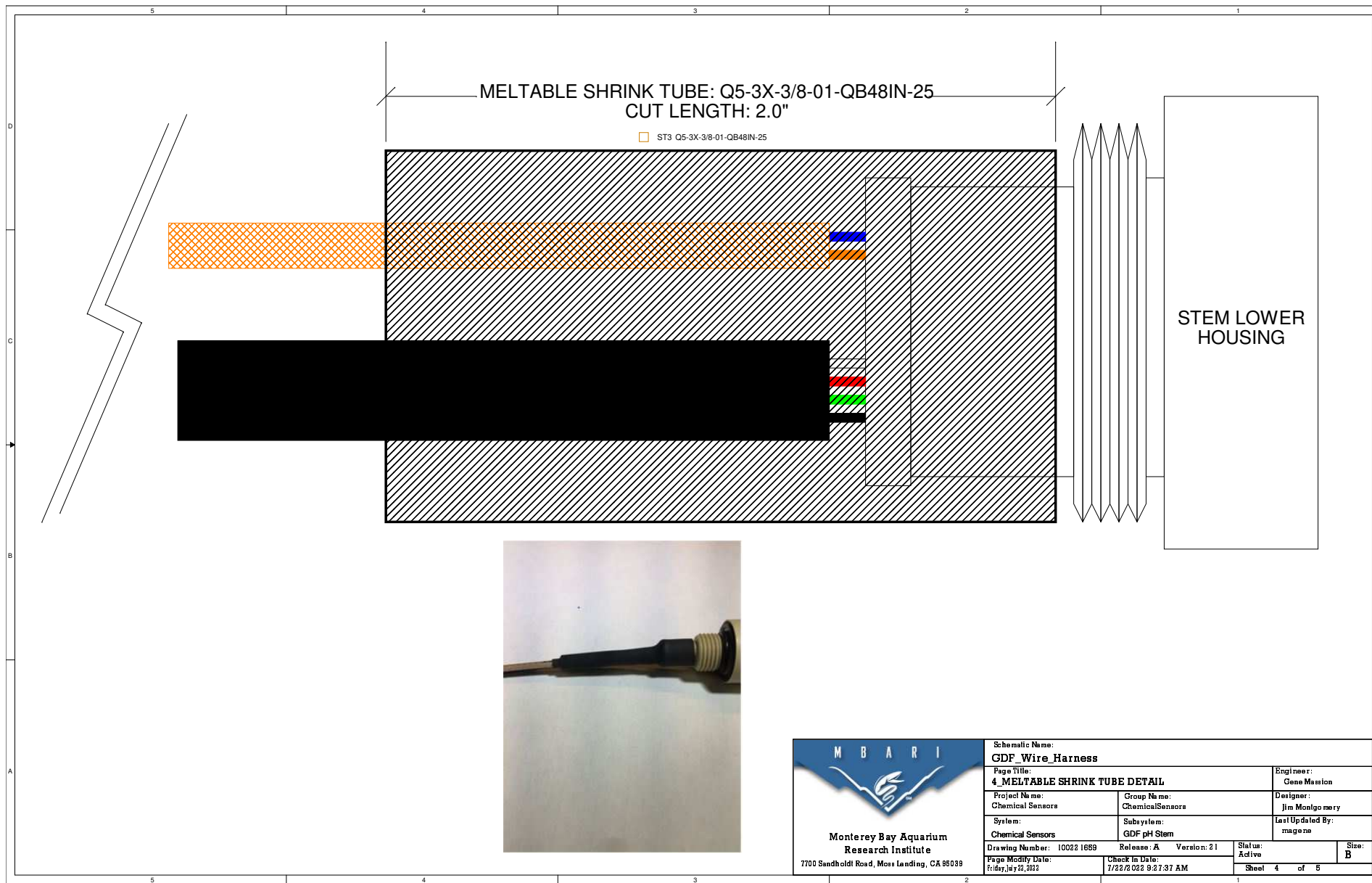
Schematic Name: GDF Wire Harness			
Page Title: 2_PAVE WIRING		Engineer: Gene Manton	
Project Name: Chemical Sensors	Group Name: Chemical Sensors	Designer: Jim Montgomerie	
System: Chemical Sensors	Subsystem: GDF pH Stem	Last Updated By: magne	
Drawing Number: 100221689	Release: A	Version: 21	Status: Active
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		Sheet	2 of 6





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Research Institute**
7700 Sandholdt Road, Moss Landing, CA 95039

Schematic Name: GDF_Wire_Harness			
Page Title: 3_COAX TO PAVE ASSEMBLY		Engineer: Gene Manton	
Project Name: Chemical Sensors	Group Name: ChemicalSensors	Designer: Jim Montgomery	
System: Chemical Sensors	Subsystem: GDF pH Stem	Last Updated By: magne	
Drawing Number: 10022 1659	Release: A	Version: 21	Status: Active
Page Modify Date: Friday, July 22, 2022	Check in Date: 7/22/2022 9:27:37 AM		Size: B
Sheet 3 of 6			



MELTABLE SHRINK TUBE: Q5-3X-3/8-01-QB48IN-25

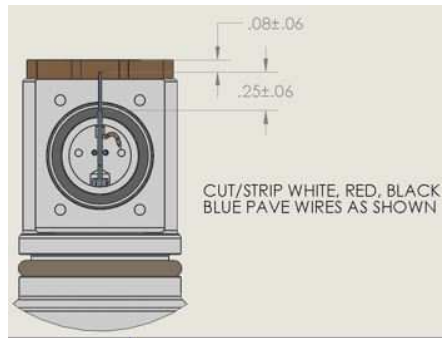
CUT LENGTH: 2.0"

ST3 Q5-3X-3/8-01-QB48IN-25

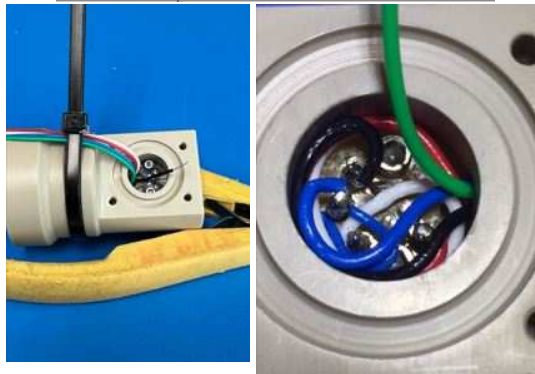
STEM LOWER
HOUSING



 Monterey Bay Aquarium Research Institute 7700 Sandholdt Road, Moss Landing, CA 95039		Schematic Name: GDF_Wire_Harness		Engineer: Gene Manton	
		Page Title: 4_MELTABLE SHRINK TUBE DETAIL		Designer: Jim Montgomery	
Project Name: Chemical Sensors		Group Name: ChemicalSensors		Last Updated By: magon	
System: Chemical Sensors		Subsystem: GDF pH Stem		Status: Active	
Drawing Number: 10022 1659		Release: A		Version: 21	
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				Size: B	



CUT/STRIP WHITE, RED, BLACK
BLUE PAVE WIRES AS SHOWN



ASSEMBLY NOTES:
1) TIE BACK WIRES. BEND, INSTALL, SOLDER WIRES
ONE AT A TIME.
2) NO MORE THAN 1 BROKEN, NICKED, SCRAPED
STRAND WHEN PREPARING WIRE.
3) WRAP WIRES A MINIMUM OF ONE WRAP
AROUND PCB PIN.

 Monterey Bay Aquarium Research Institute 7700 Sandholdt Road, Moss Landing, CA 95039		Schematic Name: GDF_Wire_Harness		Engineer: Gene Mastion		
		Page Title: 5_ASSEMBLY NOTES				Designer: Jim Montgomery
		Project Name: Chemical Sensors	Group Name: ChemicalSensors		Last Updated By: magne	
		System: Chemical Sensors	Subsystem: GDF pH Stem		Size: B	
Drawing Number: 10022 1659		Release: A	Version: 21	Status: Active	Sheet 6 of 6	
Page Modify Date: Friday, July 22, 2022		Check in Date: 7/22/2022 9:27:37 AM				