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**Monterey Bay Aquarium
Research Institute**

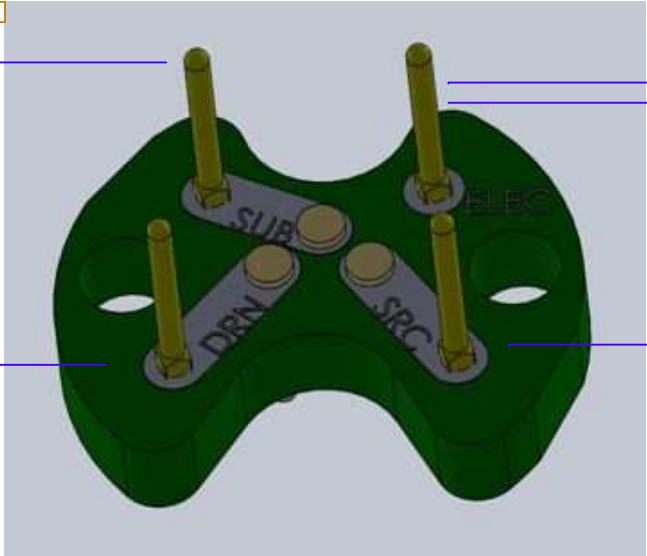
7700 Sandholdt Road, Moss Landing, CA 95039

Schematic Name: pH STEM WIRING				
Page Title: 1_OVERALL ASSEMBLY DRAWING			Engineer: Gene Massion	
Project Name: Chemical Sensors	Group Name: ChemicalSensors		Designer: Jim Montgomery	
System: Chemical Sensors	Subsystem: GDF pH Stem		Last Updated By: jrosal	
Drawing Number: 100221659		Release: A	Version: 17	Status: Active
Page Modify Date: Thursday, July 07, 2022		Check In Date: 7/7/2022 1:01:21 PM		Size: B
Sheet 1 of 5				

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 PCB



ASSY1
100221688

ELECTRODE/PELLET

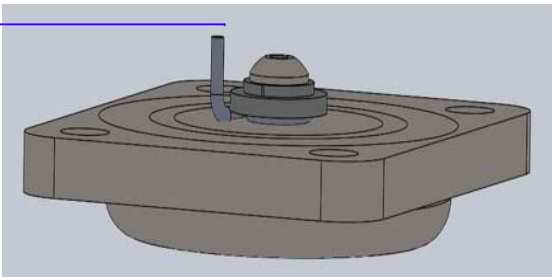
W1 M16878/6BGE-6

WEICO 2330 HOOK UP WIRE
MIL-SPEC TYPE ET
BLUE 30AWG TEFLON

VL PelletContact

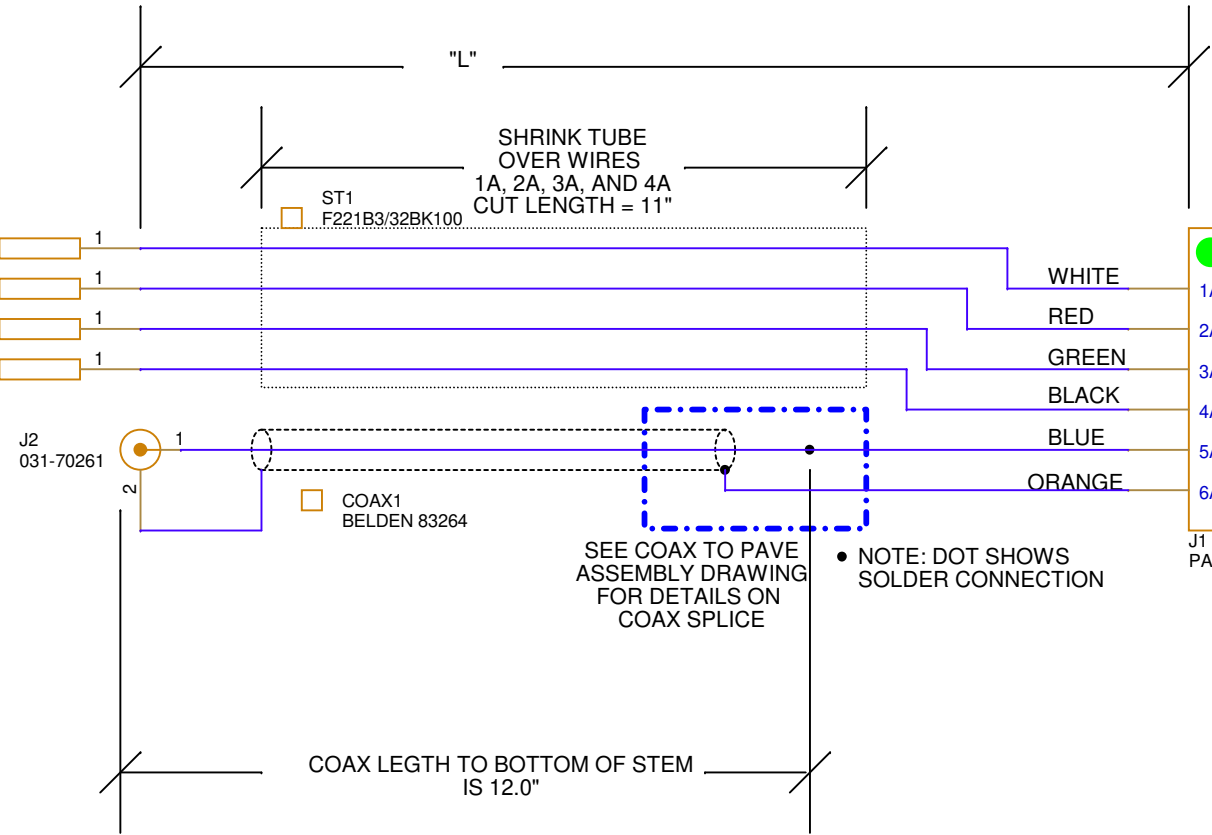
BACK COVER PLATE

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



WHITE
RED
GREEN
BLACK
BLUE
ORANGE

1A 1B
2A 2B
3A 3B
4A 4B
5A 5B
6A 6B
J1 PAVE 5535

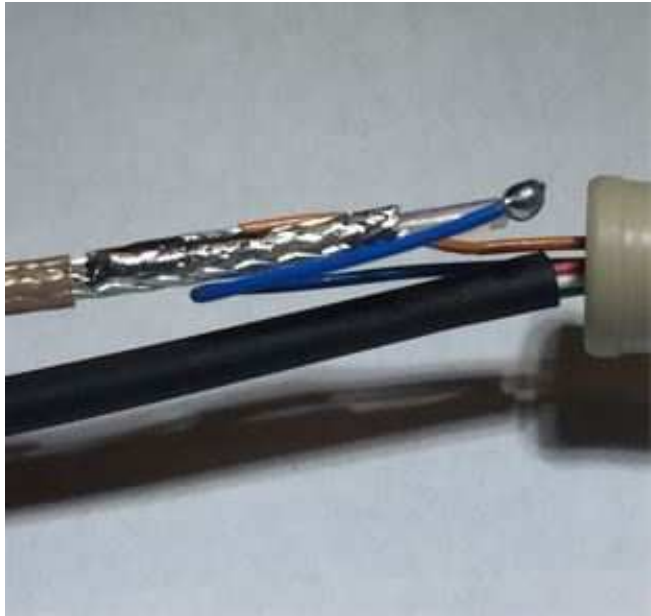
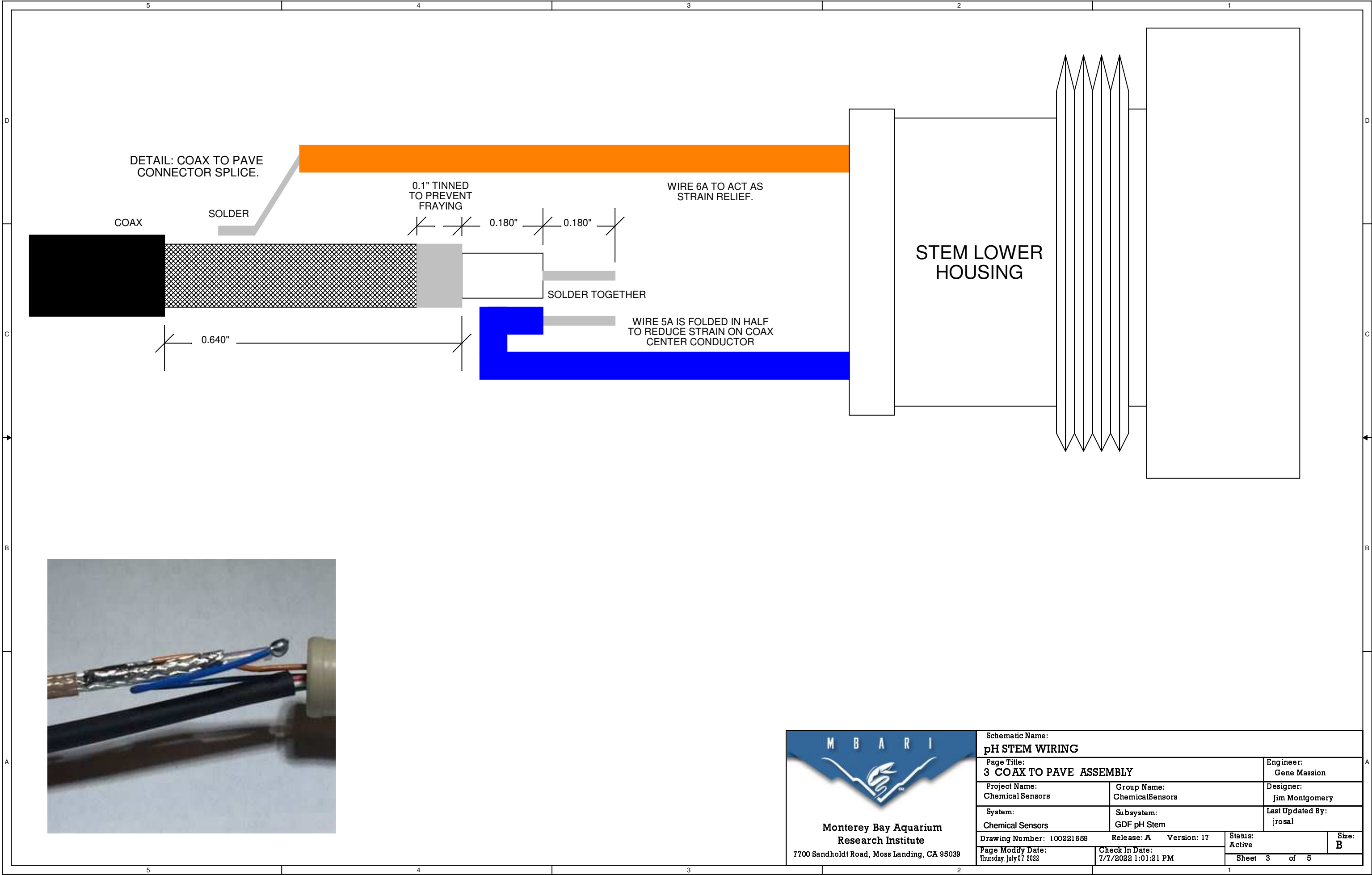
WHITE DRAIN
RED SUBSTRATE
GREEN COUNTER ELECTRODE
BLACK SOURCE
BLUE ELECTRODE/PELLET
ORANGE

NOTE: CUT ORANGE WIRE TO
LESS THAN 0.125"

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



Schematic Name:				
pH STEM WIRING				
Page Title:			Engineer:	
2_PAVE WIRING			Gene Massion	
Project Name:		Group Name:		Designer:
Chemical Sensors		ChemicalSensors		Jim Montgomery
System:		Subsystem:		Last Updated By:
Chemical Sensors		GDF pH Stem		jrosal
Drawing Number: 100221689		Release: A Version: 17		Status:
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		Sheet 2 of 5		

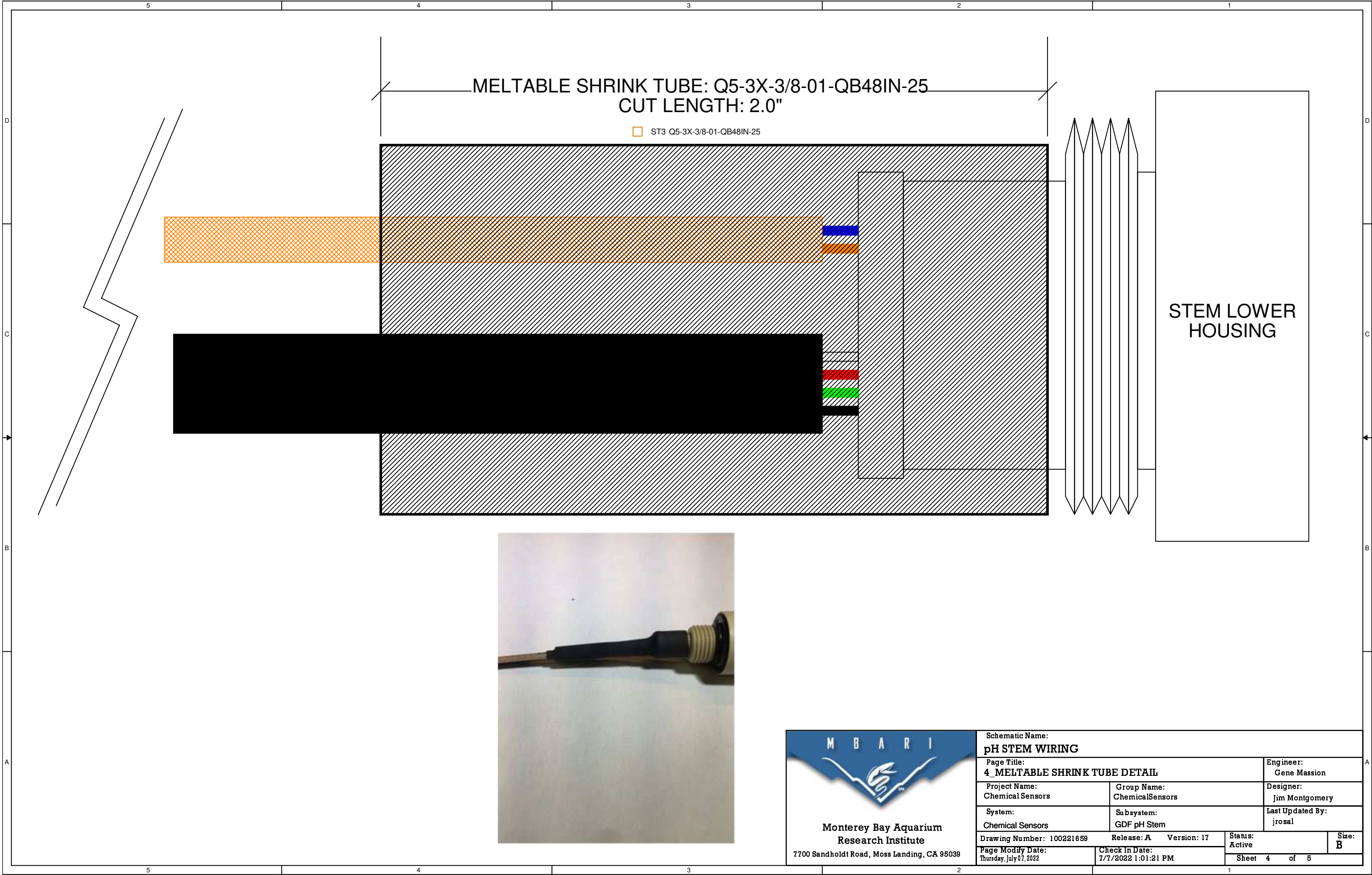


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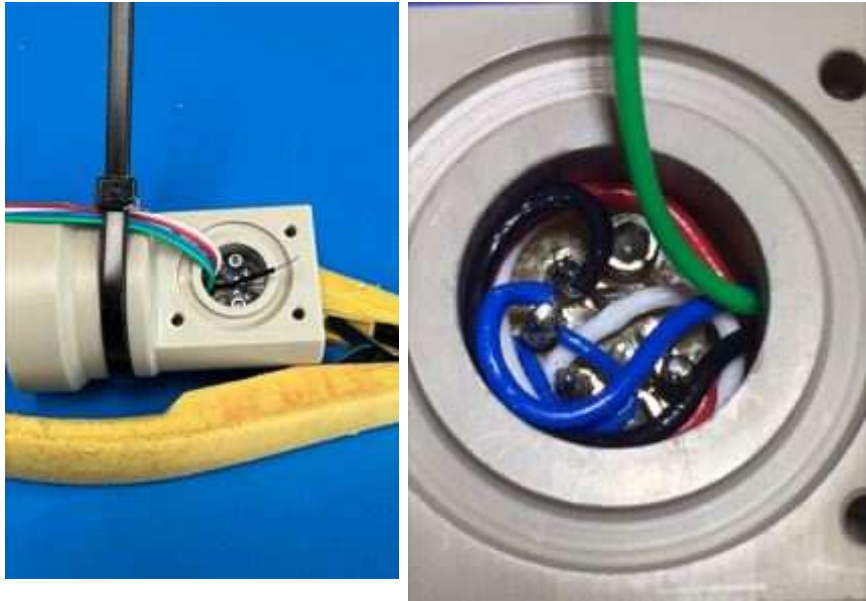
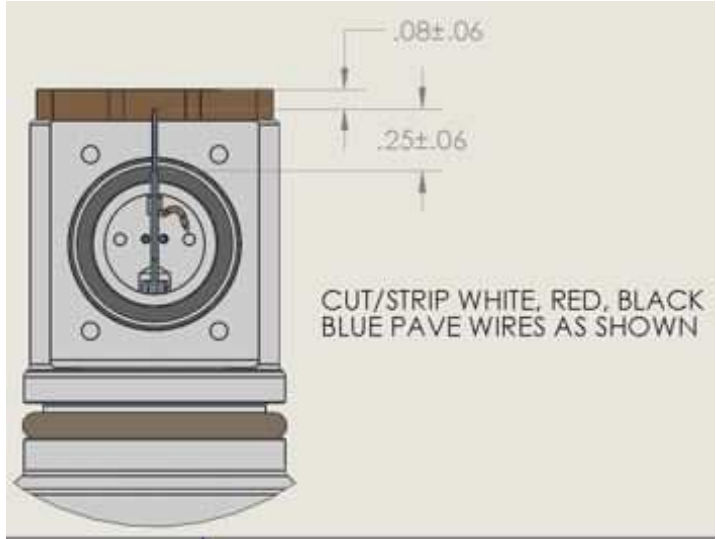
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Schematic Name: pH STEM WIRING			
Page Title: 3_COAX TO PAVE ASSEMBLY			Engineer: Gene Massion
Project Name: Chemical Sensors	Group Name: ChemicalSensors		Designer: Jim Montgomery
System: Chemical Sensors	Subsystem: GDF pH Stem		Last Updated By: jrosal
Drawing Number: 100221659		Release: A	Version: 17
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		Status: Active	Size: B
Sheet 3 of 5			



 Monterey Bay Aquarium Research Institute 7700 Sandholdt Road, Moss Landing, CA 95039		Schematic Name: pH STEM WIRING		
		Page Title: 4 MELTABLE SHRINK TUBE DETAIL		Engineer: Gene Massion
Project Name: Chemical Sensors		Group Name: ChemicalSensors		Designer: Jim Montgomery
System: Chemical Sensors		Subsystem: GDF pH Stem		Last Updated By: jrosal
Drawing Number: 100221659		Release: A	Version: 17	Status: Active
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		Sheet 4 of 5		



ASSEMBLY NOTES:
1) TIE BACK WIRES. BEND, INSTALL, SOLDER WIRES ONE AT A TIME.
2) NO MORE THAN 1 BROKEN, NICKED, SCRAPPED 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: pH STEM WIRING			
		Page Title: 5_ASSEMBLY NOTES			Engineer: Gene Massion
		Project Name: Chemical Sensors	Group Name: ChemicalSensors		Designer: Jim Montgomery
		System: Chemical Sensors	Subsystem: GDF pH Stem		Last Updated By: jrosal
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