CASE INSTALLATION

NOTE
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#	SCOPE OF WORK	RESPONSIBLE PARTY	
		REPLACEMENTS	NEW EQUIPMENT
		REMODEL	REMODEL
1	FURNISH THE NEW / REPLACEMENT CASES.	OEM/WMT	OEM/WMT
2	FURNISH AND INSTALL ALL (REFRIGERANT AND DRAIN) PIPING.	RC	RC
3	FURNISH ALL FIELD-INSTALLED REFRIGERATION VALVES.	OEM/WMT	OEM/WMT
4	FURNISH AND INSTALL ALL ISOLATION BALL VALVES.	RC	RC
5	INSTALL ALL FIELD INSTALLED REFRIGERATION VALVES.	RC	RC
6	FURNISH AND INSTALL ALL FACTORY INSTALLED REFRIGERATION VALVES.	OEM/WMT	OEM/WMT
7	FURNISH ALL CONTROLS CABLING AS NECESSARY TO COMPLETE THE WORK. (24 VOLTS OR LESS)	EMS	EMS
8	PROVIDE TYPEWRITTEN SCHEDULES FOR ALL AFFECTED ELECTRICAL PANELBOARDS.	GC	GC
9	INSTALL AND TERMINATE FURNISHED CONTROLS WIRING (24 VOLTS OR LESS) AS DETAILED ON THE PRINTS.	RC	RC
10	PROVIDE ELECTRICAL POWER CABLING FROM POWER SOURCE TO THE FIRST CASE IN THE CIRCUIT.	GC	GC
11	PROVIDE ALL "SLAVE" WIRING FROM FIRST CASE TO REMAINING CASES ON THE CIRCUIT.	RC	RC
12	PREFABRICATE AS MUCH OF THE NEW PIPE WORK AND ELECTRICAL CONDUIT AS POSSIBLE AND MOUNT ANY NEW DEVICES IN ORDER TO REDUCE THE AMOUNT OF "DOWN TIME" NEEDED TO COMPLETE THE INSTALLATION.	RC	RC
13	COORDINATE THE INSTALLATION TIME WITH STORE...	GC	GC
14	OBTAIN HOT WORK PERMITS AS REQUIRED.	GC	GC
15	NOTIFY THE EMS VENDOR 24 HRS. IN ADVANCE OF THE WORK - TELL THEM WHAT CASES ARE BEING INSTALLED AND WHAT SYSTEMS WILL BE IMPACTED.	RC	RC
16	NOTIFY THE WMT BUILDING CONTROLS TEAM AND ADVISE THEM WHICH SYSTEMS AND WHICH CASES WILL BE IMPACTED BY THE WORK.	RC	N/A
17	REMOVE ALL OF REFRIGERATED PRODUCTS FROM THE CASES THAT ARE BEING REPLACED.	WMT	N/A
18	REMOVE ALL OF THE ASSET PROTECTION (BUMP GUARDS) FROM AROUND THE CASES.	GC	N/A
19	DECOMMISSION AND REMOVE THE OLD CASES. IN TEXAS, ALL DECOMMISSIONED CASES WILL BE REMOVED FROM THE STORE BY QUICK REFRIGERATION. COORDINATE REMOVAL AND DISPOSAL WITH WMT CONSTRUCTION MANGER. WHEN REPLACING PRODUCE CASES, REMOVE WATER SUPPLY FROM MISTING SYSTEM. WHEN REPLACING DELI SERVE OVER CASES, COORDINATE THE REMOVAL OF THE DATA CABLING FOR THE DELI SCALES.	RC	N/A
20	CLEAN THE FLOOR UNDER THE CASES AND JET THE DRAINS.	RC	N/A
21	WHEN REPLACING MULTI-DECK AND / OR GLASS DOOR CASES, AND REUSING EXISTING PIPEWORK, RE-INSULATE THE REFRIGERATION PIPING BEHIND THE CASES. THIS APPLIES TO ALL PIPING THAT IS ACCESSIBLE WITHOUT DISTURBING EXISTING CASES, INSIDE PITS / TUNNELS OR IN A CHASE THAT IS NOT BEING OTHERWISE DISTURBED.	RC	N/A
22	SET THE NEW CASES IN THE POSITION DICTATED BY THE CONSTRUCTION PRINTS. ENSURE CASES ARE STRAIGHT AND LEVEL, AND SHIMMED PER THE MANUFACTURER'S GUIDANCE. SEAL ALL CASES WITH BUTYL SEALANT. ALIGN GLASS DOORS PLUMB AND LEVEL TO PREVENT "SAW-TOOTHING" OF THE DOORS.	RC	RC
23	CONNECT THE NEW CASES (MECHANICAL, ELECTRICAL, PLUMBING AND CONTROLS) AS DETAILED ON THE PRINTS.	RC	RC
24	EVACUATE AND PRESSURE TEST THE NEW CASES AND ANY PIPING MODIFIED OR DISTURBED DURING THE WORK.	RC	RC
25	SWITCH ON AND COMMISSION THE NEW CASES, VALVES AND CONTROLS AS REQUIRED. CHECK AND ADJUST MECHANICAL TXV SUPERHEATS TO OEM RECOMMENDATIONS AND EPR SETTINGS PER NEW LEGEND.	RC	RC
26	INSTALL FURNISHED LIDS TO REFRIGERATED BUNKERS.	RC	RC
27	FURNISH CONTROLS SUPPORT TO THE INSTALLING CONTRACTOR.	OEM	OEM
28	WHEN REPLACING PRODUCE CASES, INSTALL NEW MISTING SYSTEM TO CASES AND CONNECT TO DEDICATED WATER SUPPLY.	RC	RC
29	WHEN REPLACING DELI SERVE OVER CASES, COORDINATE THE INSTALLATION OF THE DATA CABLING FOR THE DELI SCALES.	WMT	WMT
30	NOTIFY WMT BUILDING CONTROLS THAT THE NEW CASES ARE RUNNING AND ONLINE.	RC	RC
31	CARRY OUT A THOROUGH LEAK TEST ON ALL WELDED AND MECHANICAL JOINTS INSTALLED OR DISTURBED DURING THE PROJECT.	RC	RC
32	HANDOVER THE NEW CASES TO THE STORE. (CASES MUST BE CLEAN, AT OPERATIONAL TEMPERATURE AND FULLY FUNCTIONAL WITH ALL PANS AND SHELVING IN PLACE.)	RC	RC
33	FILL THE NEW CASE WITH PRODUCT.	WMT	WMT
34	REPLACE MISSING OR DAMAGED FLOOR TILES OR REPAIR VISIBLE, DAMAGED CONCRETE FLOOR AROUND THE NEW CASES. (AS NEEDED)	GC (OR WMT PREFERRED FLOORNG INSTALLER)	N/A
35	INSTALL NEW CIRCUIT LABELS TO THE NEW CASES AS...	RC	RC
36	COMPLETE ASSET TAGGING PROCESS	RC	RC
37	REPLACE THE SHOP FLOOR DRAWINGS AND INSTALL REPLACEMENT LEGENDS.	RC	RC
38	REINSTALL ANY PREVIOUSLY REMOVED (UNDAMAGED) ASSET PROTECTION (BUMP GUARDS). INSTALL NEW OWNER FURNISHED PROTECTION EQUIPMENT AS NEEDED.	RC	RC
39	AFTER ALL CHANGES HAVE BEEN MADE TO A RACK, REMOVE ANY COMPRESSOR SUCTION FILTERS / SOCKS AND REPLACE THE RACK LIQUID LINE FILTERS. LEAVE THE OLD FILTERS / DRIERS IN THE RACK HOUSE TO BE INSPECTED BY THE MCM.	RC	RC
40	SUBMIT REQUIRED VERISAE AND OTHER REGULATORY FORMS AS REQUIRED BY THE END OF COMMISSIONING WEEK. COMPLETED VERISAE FORMS ARE TO BE EMAILED TO MCEQUIP@WAL-MART.COM.	RC	RC
41	REMOVE ALL OF THE OLD CASES AND CLEAR SITE OF ALL TOOLS, UNUSED INSTALLATION MATERIALS AND TRASH.	GC	GC

CONDENSER REPLACEMENT

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#	SCOPE OF WORK	RESPONSIBLE PARTY	
		REMODEL	CAPEX
1	FURNISH THE NEW REPLACEMENT CONDENSERS / VFD'S.	OEM/WMT	OEM/WMT
2	INSTALL ANY ADDITIONAL SUPPORT OR SCREENING STRUCTURES AS REQUIRED TO SUPPORT THE NEW CONDENSERS.	GC	RC
3	FURNISH AND INSTALL ALL (REFRIGERANT AND DRAIN) PIPING, AND ALL FIELD INSTALLED REFRIGERATION VALVES NECESSARY TO COMPLETE THE WORK.	RC	RC
4	FURNISH ALL CONTROLS CABLING AS NECESSARY TO COMPLETE THE WORK. (24 VOLTS OR LESS)	EMS	EMS
5	INSTALL AND TERMINATE CONTROLS WIRING (24 VOLTS OR LESS) AS DETAILED ON THE PRINTS.	RC	RC
6	TERMINATE ALL POWER CABLES.	RC	RC
7	PREFABRICATE AS MUCH OF THE NEW PIPE WORK AND ELECTRICAL CONDUIT AS POSSIBLE AND MOUNT ANY NEW DEVICES IN ORDER TO REDUCE THE AMOUNT OF "DOWN TIME" NEEDED TO COMPLETE THE INSTALLATION.	RC	RC
8	COORDINATE THE INSTALLATION TIME WITH STORE MANAGEMENT.	RC	RC
9	OBTAIN HOT WORK PERMITS AS REQUIRED.	GC	RC
10	NOTIFY THE EMS VENDOR 24 HRS. IN ADVANCE OF THE WORK - TELL THEM WHAT CONDENSERS ARE BEING INSTALLED AND WHAT SYSTEMS WILL BE IMPACTED.	RC	RC
11	NOTIFY THE WMT BUILDING CONTROLS TEAM AND ADVISE THEM WHICH SYSTEMS AND WHICH CASES WILL BE IMPACTED BY THE WORK.	RC	RC
12	TAKE WHATEVER STEPS ARE NECESSARY TO PROTECT THE PRODUCT THAT MAY BE AFFECTED BY THE WORK.	WMT	WMT
13	RECLAIM REFRIGERANT AS REQUIRED.	RC	RC
14	DECOMMISSION AND REMOVE THE OLD CONDENSERS / VFD'S.	RC	RC
15	INSTALL THE NEW FURNISHED CONDENSERS, VALVES, VFD'S ETC. AS DETAILED IN THE CONSTRUCTION PRINTS. (MECHANICAL, ELECTRICAL AND CONTROLS)	RC	RC
16	EVACUATE AND PRESSURE TEST THE NEW CONDENSERS AND ANY PIPING MODIFIED OR DISTURBED DURING THE WORK.	RC	RC
17	SWITCH ON AND COMMISSION THE NEW CONDENSERS / VFD'S AND ALL OTHER CONTROL VALVES AS REQUIRED. CHECK AND ADJUST ALL CONTROL VALVE SETTINGS PER THE LEGEND.	RC	RC
18	REPLACE THE REFRIGERANT THAT WAS RECLAIMED DURING THE SHUTDOWN / DECOMMISSIONING PROCESS.	RC	RC
19	COMMISSION THE CONDENSERS AND VFD'S, USING THE OEM'S SEQUENCE OF OPERATION AND THE EOR'S CONTROL SETTINGS.	RC	RC
20	CARRY OUT ANY CONTROLS PARAMETER CHANGES.	EMS	EMS
21	PERFORM REMOTE CHECKOUT.	RC	RC
22	FURNISH CONTROLS SUPPORT TO THE INSTALLING CONTRACTOR.	EMS	EMS
23	NOTIFY WMT BUILDING CONTROLS THAT THE NEW CONDENSERS ARE RUNNING AND ONLINE.	RC	RC
24	CARRY OUT A THOROUGH LEAK TEST ON ALL WELDED AND MECHANICAL JOINTS INSTALLED OR DISTURBED DURING THE PROJECT.	RC	RC
25	CONFIRM WITH STORE MANAGEMENT THAT THE NEW CONDENSERS ARE FULLY OPERATIONAL AND ALL CASES ARE AT THE CORRECT TEMPERATURE.	RC	RC
26	COORDINATE THE SALVAGE OF THE OLD CONDENSERS WITH AES. ***NOTE - IN TEXAS, WALMART'S PREFERRED SALVAGE PARTNER FOR REFRIGERATION EQUIPMENT IS QUICK REFRIGERATION.	RC	RC
27	REMOVE THE OLD LEGENDS AND INSTALL REPLACEMENT LEGENDS AS SUPPLIED BY THE EOR / OEM.	RC	RC
28	AFTER ALL CHANGES HAVE BEEN MADE TO A RACK, REMOVE ANY COMPRESSOR SUCTION FILTERS / SOCKS AND REPLACE THE RACK LIQUID LINE FILTERS. LEAVE THE OLD FILTERS / DRIERS IN THE RACK HOUSE TO BE INSPECTED BY THE MCM.	RC	RC
29	CARRY OUT ANY STRUCTURAL WORK REQUIRED AND AS INCLUDED ON THE STRUCTURAL ENGINEERING DRAWINGS. OBTAIN HOT WORK PERMITS AS REQUIRED.	GC	RC
30	PROVIDE CTL INSPECTION OF STRUCTURAL WORK	WMT	WMT
31	SUBMIT REQUIRED VERISAE AND OTHER REGULATORY FORMS AS REQUIRED BY THE END OF COMMISSIONING WEEK. COMPLETED VERISAE FORMS ARE TO BE EMAILED TO MCEQUIP@WAL-MART.COM.	RC	RC
32	CLEAR SITE OF ALL TOOLS, UNUSED INSTALLATION MATERIALS AND...	GC	RC

REFRIGERATION PIPE RE-INSULATION

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#	SCOPE OF WORK	RESPONSIBLE PARTY	
		REMODEL	CAPEX
1	FURNISH AND INSTALL ALL MATERIALS NECESSARY TO COMPLETE THE WORK.	RC	RC
2	COORDINATE THE INSTALLATION TIME WITH STORE MANAGEMENT. OBTAIN HOT WORK PERMITS AS REQUIRED.	RC	RC
3	NOTIFY THE WMT BUILDING CONTROLS TEAM AND ADVISE THEM WHICH SYSTEMS AND WHICH CASES WILL BE IMPACTED BY THE WORK.	RC	RC
4	WHEN REPLACING MULTI-DECK AND / OR GLASS DOOR CASES, AND REUSING EXISTING PIPEWORK, THE REFRIGERATION PIPING BEHIND THE CASES SHOULD BE RE-INSULATED. THIS APPLIES TO ALL PIPING...	RC	RC
5	CONFIRM WITH STORE MANAGEMENT THAT THE WORK IS COMPLETE AND ALL SYSTEMS IMPACTED BY THE WORK ARE FULLY FUNCTIONAL.	RC	RC
6	CLEAR SITE OF ALL TOOLS, OLD INSULATION, UNUSED INSTALLATION MATERIALS AND TRASH.	RC	RC

ABBREVIATION LEGEND

ABBREVIATION	DESCRIPTION
RC	REFRIGERATION CONTRACTOR AND SUB-CONTRACTORS
GC	GENERAL CONTRACTOR AND SUB-CONTRACTORS
EMS	EMS VENDOR
OEM	ORIGINAL RACK EQUIPMENT MANUFACTURER, ORIGINAL CASE EQUIPMENT MANUFACTURER, AHU MANUFACTURER, RTU MANUFACTURER
PS	WALK-IN BOX PANEL SUPPLIER
WMT	WALMART
AES	SUPPLIER OF AHU ADAPTER CURBS, RTU ADAPTER CURBS AND WALMART'S EQUIPMENT SALVAGE PARTNER
WTC	WATER TREATMENT CONTRACTOR
MC	MECHANICAL CONTRACTOR AND SUB-CONTRACTORS

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